

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ACURA- FRONT DRIVE - Integra, Legend, NSX, RSX, TSX, Vigor, 2.2CL, 2.3CL, 2.5TL, 3.0CL, 3.2CL, 3.2TL, 3.5RL</b>					

<b>FRONT WHEEL</b>		
2007-2004	3.2TL	
Ball Bearing .....		510073
2007-2004	TSX	
Ball Bearing .....		510073
2006-2002	RSX	
Ball Bearing .....		510039
2005-1991	NSX	
Bearing Assm .....		513099
2004-1996	3.5RL	
Ball Bearing .....		510011
2003-2001	3.2CL	
Ball Bearing .....		510050
2003-1999	3.2TL	
Ball Bearing .....		510050
2001-1994	Integra	
Ball Bearing .....		510030
1999-1998	2.3CL	
Bearing Assm .....		513098
1999-1997	3.0CL	
Bearing Assm .....		510038
1998-1996	3.2TL	
Ball Bearing .....		510011
1998-1995	2.5TL	
Bearing Assm .....		510038
1997	2.2CL	
Bearing Assm .....		513098
1995-1991	Legend	
Ball Bearing .....		510011
1994-1992	Vigor	
Bearing Assm .....		513093
1993-1990	Integra	
Ball Bearing .....		513241
1990-1988	Legend	
Ball Bearing .....		513052
1989-1986	Integra	
Ball Bearing .....		513024
1987	Legend Coupe	
Ball Bearing .....		513052
1987-1986	Legend Sedan	
Ball Bearing .....		513054

<b>REAR WHEEL</b>		
2007-2004	3.2TL	
Hub Assembly .....		512188
2006-2002	RSX	
Hub Assembly .....		512259
2005-1991	NSX	
Seal .....		710293
Bearing Assm .....		511012
2004-1996	3.5RL	
Hub Assembly .....		512123
2003-2001	3.2CL	
Hub Assembly .....		512173
2003-1999	3.2TL	
Hub Assembly .....		512179

<b>REAR WHEEL(cont)</b>		
2001-1997	Integra GSR, GS, LS, RS	
Hub Assembly .....		513105
1999-1998	2.3CL	
Hub Assembly .....		512172
1999-1997	3.0CL	
Hub Assembly .....		512172
1998-1996	3.2TL	
Hub Assembly .....		512121
1998-1995	2.5TL	
Hub Assembly .....		512120
1997	2.2CL	
Hub Assembly .....		512172
1996-1994	Integra (Non-ABS)	
Hub Assembly .....		513105
1995-1991	Legend	
Hub Assembly .....		512008
1994-1992	Vigor	
Hub Assembly .....		512031
1993-1990	Integra (ABS)	
Hub Assembly .....		513105
1993-1990	Integra (Non-ABS)	
Hub Assembly .....		513033
1990-1987	Legend	
Hub Assembly .....		513049
1989-1986	Integra	
Hub Assembly .....		513050
1988-1986	Legend Sedan	
Ball Bearing .....		513051

<b>REAR AXLE</b>		
<b>Differential</b>		
1994-1992	Vigor	
Cone/Cup .....		32009XA
Seal .....		710147
<b>Pinion</b>		
1994-1992	Vigor	
Cone/Cup ; Outer .....		32008
Cone/Cup ; Inner .....		33208
Seal ; Inner .....		710242
Seal ; Outer .....		

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
2001-1986	4 Cyl	
Ball Bearing .....		102CC
<b>Release Bearing</b>		
2001-1994	Integra (GSR, GSRI, Type R)	
Clutch Bearing .....		614072
2001-1994	Integra (RS, GS, LS, LS SPL)	
Bearing Assembly .....		614068
2000-1991	NSX	
Bearing Assembly .....		614138
1999-1998	2.3CL	
Bearing Assembly .....		614068

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## CLUTCH(cont)

### Release Bearing(cont)

1997	2.2CL	
	Bearing Assembly .....	614068
1995-1991	Legend	
	Bearing Assembly .....	614138
1994-1992	Vigor	
	Bearing Assembly .....	614139
1993-1990	Integra	
	Bearing Assembly .....	614104
1990-1986	Legend	
	Bearing Assembly .....	614068

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

2004-1996	3.5RL (M5DA)	
	Cone/Cup .....	32009XA
2001-1986	Integra	
	Ball Bearing .....	208
2000-1991	NSX	
	Cone/Cup .....	32011X
1999-1998	2.3CL	
	Cone/Cup ; LH .....	30208
1999-1996	3.2TL	
	Cone/Cup .....	32009XA
1998-1995	2.5TL	
	Cone/Cup .....	32009XA
1997	2.2CL (A6VA)	
	Cone/Cup ; LH .....	30208
1995-1991	Legend	
	Cone/Cup .....	32009XA
1994-1992	Vigor	
	Cone/Cup .....	32009XA
1990-1986	Legend	
	Cone/Cup .....	30208

### Pinion

2001-1996	3.5RL	
	Cone/Cup ; Rr .....	32207
	Seal ; Frt .....	221207
1998-1996	3.2TL	
	Cone/Cup ; Rr .....	32207
	Seal ; Frt .....	221207
1998-1995	2.5TL	
	Cone/Cup ; Rr .....	32009XA
	Cone/Cup ; Frt .....	33208
	Seal ; Frt .....	710242
1995-1991	Legend	
	Cone/Cup ; Rr .....	32207
	Seal ; Frt .....	221207
1994-1992	Vigor	
	Cone/Cup ; Rr .....	32008
	Cone/Cup ; Frt .....	33208
	Seal ; Frt .....	710242

### Torque Converter / Frt Pump

2004-1999	3.2TL	
	Seal .....	417486

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Torque Converter / Frt Pump(cont)

2001	3.2CL	
	Seal .....	350609
2001-1986	Integra (SKWA)	
	Seal .....	350609
1999-1998	2.3CL	
	Seal .....	350609
1999-1997	3.0CL	
	Seal .....	350609
1998-1996	3.2TL	
	Seal .....	350609
1998-1995	2.5TL	
	Seal .....	350609
1997	2.2CL	
	Seal .....	350609
1994-1992	Vigor	
	Seal .....	350609
1990-1986	Legend	
	Seal .....	350609

### Output Shaft

2004-1996	3.5RL (M5DA)	
	Repair Sleeve; RH .....	99177
	Repair Sleeve; LH .....	710260
	Seal ; RH .....	225545
	Seal ; LH .....	
2004-1991	NSX (MR9A)	
	Repair Sleeve; RH .....	99157
	Repair Sleeve; LH .....	710291
	Seal ; RH .....	224068
	Seal ; LH .....	
2001-1994	Integra	
	Repair Sleeve; RH .....	99157
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	1036
	Seal ; LH .....	223543
1999-1998	2.3CL	
	Repair Sleeve; RH .....	99157
	Seal ; RH .....	224066
	Seal Viton ; LH .....	224026
1999-1997	3.0CL (M7ZA)	
	Repair Sleeve; RH .....	710110
	Seal ; RH .....	224026
	Seal Viton ; LH .....	
1999-1996	3.2TL (M5HA, B7VA)	
	Repair Sleeve; RH .....	225545
	Repair Sleeve; LH .....	223805
	Seal ; RH .....	
	Seal ; LH .....	

# Bearings and Seals

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## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft(cont)

<b>1998-1995</b>	<b>2.5TL</b>		
Repair Sleeve; RH	.....	99157	
Repair Sleeve; LH	.....	99170	
Seal ; RH	.....	710173	
Seal ; LH	.....	350609	
<b>1997</b>	<b>2.2CL</b>		
Repair Sleeve; RH	.....	99157	
Repair Sleeve; LH	.....	99157	
Seal ; RH	.....	224066	
Seal ; LH	.....	712551	
<b>1995-1991</b>	<b>Legend</b>		
Repair Sleeve; RH	.....	99177	
Repair Sleeve; LH	.....	710260	
Seal ; RH	.....	225545	
Seal ; LH	.....		
<b>1994-1992</b>	<b>Vigor</b>		
Repair Sleeve; RH	.....	99157	
Repair Sleeve; LH	.....	99196	
Seal ; RH	.....	224025	
Seal ; LH	.....	710173	
<b>1993-1990</b>	<b>Integra</b>		
Repair Sleeve; RH	.....	99157	
Repair Sleeve; LH	.....	99157	
Seal ; RH	.....	1036	
Seal ; LH	.....	223805	
<b>1990-1986</b>	<b>Legend</b>		
Seal Viton	.....	224026	
<b>1989-1986</b>	<b>Integra</b>		
Repair Sleeve; RH	.....	99157	
Repair Sleeve; LH	.....	99157	
Seal ; RH	.....	224045	
Seal ; LH	.....	223805	

### Extension Housing

<b>1998-1995</b>	<b>2.5TL (M1WA)</b>		
Cone/Cup	.....	32008	

### Selector Shaft Seal/Man. Shaft

<b>2005-1986</b>	<b>All</b>		
Repair Sleeve	.....	221207	
Seal	.....		

## 5-SPEED AUTOMATIC TRANSAXLE

### Differential

<b>2001-2000</b>	<b>3.2TL</b>		
Cone/Cup	.....	32009XA	

### Output Shaft

<b>2003-2001</b>	<b>3.2CL (MGFA)</b>		
Repair Sleeve; RH	.....	99157	
Repair Sleeve; LH	.....	99139	
Seal ; LH	.....	710199	
<b>2002</b>	<b>RSX (MRMA)</b>		
Repair Sleeve; LH	.....	99157	
Seal ; LH	.....	710300	

## 5-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft(cont)

<b>2002-2001</b>	<b>3.2TL (B7WA)</b>		
Repair Sleeve; LH	.....	99139	
Seal ; LH	.....	710199	
<b>2000</b>	<b>3.2TL (M7WA)</b>		
Repair Sleeve; LH	.....	99139	
Seal ; LH	.....	710199	
Seal Viton ; RH	.....	224026	

### Selector Shaft Seal/Man. Shaft

<b>2005-1991</b>	<b>All</b>		
Repair Sleeve	.....	221207	
Seal	.....		

### Torque Converter

<b>2003-2001</b>	<b>3.2CL (MGFA)</b>		
Seal	.....	350609	
<b>2003-2001</b>	<b>3.2TL (B7WA)</b>		
Seal	.....	350609	
<b>2002</b>	<b>RSX (MRMA)</b>		
Seal	.....	350609	
<b>2000</b>	<b>3.2TL (M7WA)</b>		
Seal	.....	350609	

## 5-SPEED MANUAL TRANSAXLE

### Differential

<b>2004-2002</b>	<b>RSX, TSX</b>		
Ball Bearing	.....	208	
<b>2001-1986</b>	<b>Integra (A1,CG,S1,SS0,S80,YS1,Y80)</b>		
Ball Bearing	.....	208	
<b>1994-1992</b>	<b>Vigor (L3A3)</b>		
Cone/Cup ; RH	.....	32010X	
<b>1990-1986</b>	<b>Legend (C3P4, G3T4)</b>		
Cone/Cup ; RH	.....	32010X	

### Pinion

<b>1995-1991</b>	<b>Legend (K4A6)</b>		
Seal ; Frt	.....	225775	
<b>1994-1992</b>	<b>Vigor (L3A3)</b>		
Cone/Cup ; Rr	.....	32008	
Cone/Cup ; Frt	.....	33208	
Seal ; Frt	.....	710242	

### Output Shaft

<b>2004-2002</b>	<b>RSX, TSX</b>		
Seal ; RH	.....	710291	
Seal ; LH	.....	224068	
<b>2001-1994</b>	<b>Integra</b>		
Repair Sleeve; RH	.....	99157	
Repair Sleeve; LH	.....	99139	
Seal ; RH	.....	224045	
Seal ; LH	.....	223543	

# Bearings and Seals

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<b>ACURA- FRONT DRIVE - Integra, Legend, NSX, RSX, TSX, Vigor, 2.2CL, 2.3CL, 2.5TL, 3.0CL, 3.2CL, 3.2TL, 3.5RL (cont.)</b>					

## 5-SPEED MANUAL TRANSAXLE(cont)

### Output Shaft(cont)

<b>1999-1998</b>	<b>2.3CL</b>	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99139
Seal ; RH .....		3459
Seal ; LH .....		2007N
<b>1997</b>	<b>2.2CL</b>	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99139
Seal ; RH .....		3459
Seal ; LH .....		2007N
<b>1996-1991</b>	<b>NSX</b>	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99162
Seal ; RH .....		224068
Seal ; LH .....		710291
<b>1995-1991</b>	<b>Legend</b>	
Repair Sleeve; RH .....		99177
Repair Sleeve; LH .....		225545
Seal ; RH .....		224520
Seal ; LH .....		
<b>1994-1992</b>	<b>Vigor</b>	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99196
Seal ; RH .....		224025
Seal ; LH .....		710173
<b>1993-1990</b>	<b>Integra</b>	
Repair Sleeve; LH .....		99157
Seal ; LH .....		224025
<b>1990-1986</b>	<b>Legend</b>	
Repair Sleeve .....		99157
Seal .....		712551
<b>1989-1986</b>	<b>Integra</b>	
Seal Viton .....		222742

### Extension Housing

<b>1994-1992</b>	<b>Vigor</b>	
Repair Sleeve .....		99157
Seal .....		224025

### Selector Shaft Seal/Man. Shaft

<b>1994-1992</b>	<b>Vigor</b>	
Repair Sleeve; Side .....		221607
Repair Sleeve; Top .....		710249
Seal ; Side .....		
Seal ; Top .....		

### Input Shaft

<b>2001-1990</b>	<b>Integra (A1,S1,SS0,S80, YS1,Y80)</b>	
Repair Sleeve .....		222830
Seal .....		
<b>1997</b>	<b>2.2CL (P2)</b>	
Repair Sleeve .....		222830
Seal .....		

## 5-SPEED MANUAL TRANSAXLE(cont)

### Input Shaft(cont)

<b>1994-1992</b>	<b>Vigor (L3A3)</b>	
Repair Sleeve .....		222830
Seal .....		
<b>1994-1991</b>	<b>NSX (J4A4)</b>	
Repair Sleeve .....		99128
Seal .....		223235
<b>1993-1991</b>	<b>Legend (K4A6)</b>	
Repair Sleeve .....		710157
Seal .....		
<b>1990-1986</b>	<b>Legend (C3P4, G3T4)</b>	
Repair Sleeve .....		710157
Seal .....		
<b>1989-1986</b>	<b>Integra (CG)</b>	
Repair Sleeve .....		239146
Seal .....		

## 6-SPEED MANUAL TRANSAXLE

### Differential

<b>2002-1997</b>	<b>NSX</b>	
Cone/Cup ; RH .....		32011X

### Output Shaft

<b>2004-1997</b>	<b>NSX</b>	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99157
Seal ; RH .....		224068
Seal ; LH .....		710291

### Input Shaft

<b>2004-1997</b>	<b>NSX</b>	
Repair Sleeve .....		99128
Seal .....		223235

## POWER STEERING

### Pump Shaft

<b>1999-1991</b>	<b>2.2CL, 2.3CL, 3.2TL, Legend</b>	
Seal .....		221920
<b>1994-1992</b>	<b>Vigor</b>	
Seal .....		222028
<b>1991</b>	<b>Integra</b>	
Seal .....		221620
<b>1990-1986</b>	<b>All</b>	
Seal .....		221620

## CAMSHAFT SEAL

### 4 Cylinder

<b>2001-1994</b>	<b>1.8L (DOHC)</b>	
Seal .....		222743
<b>2001-1994</b>	<b>1.8L VTEC</b>	
Seal .....		1989
<b>1999-1998</b>	<b>2.3CL</b>	
Seal .....		712008
<b>1997</b>	<b>2.2CL</b>	
Seal .....		712008

# Bearings and Seals

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## CAMSHAFT SEAL(cont)

### 4 Cylinder(cont)

1993-1990 Integra RS LS LSSP GS GSL  
Seal ..... 222743

1989-1986 Integra  
Seal ..... 222743

### 5 Cylinder

1998-1995 2.5TL  
Seal ..... 1989

1994-1992 Vigor  
Seal ..... 1989

### 6 Cylinder

2004-1996 3.5RL  
Seal ..... 3771

2004-1991 NSX  
Repair Sleeve ..... 99112  
Seal ..... 1989

2003-2001 3.2CL  
Repair Sleeve ..... 710451  
Seal .....

2003-1999 3.2TL  
Repair Sleeve ..... 710451  
Seal .....

1999-1997 3.0CL  
Repair Sleeve ..... 710451  
Seal .....

1998-1996 3.2TL  
Seal ..... 3771

1995-1991 Legend  
Seal ..... 3771

1990-1986 Legend  
Seal Viton ..... 713771

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2001-1990 Integra  
Repair Sleeve ..... 223802  
Seal .....

1999-1998 2.3CL  
Repair Sleeve ..... 99157  
Seal ..... 224015

1997 2.2CL  
Repair Sleeve ..... 99157  
Seal ..... 224015

1989-1986 Integra  
Repair Sleeve ..... 710332  
Seal .....

### 5 Cylinder

1998-1995 2.5TL  
Repair Sleeve ..... 99157  
Seal ..... 224015

1994-1992 Vigor  
Repair Sleeve ..... 99157  
Seal ..... 224015

## CRANKSHAFT FRONT SEAL(cont)

### 6 Cylinder

2005-1996 3.2TL  
Repair Sleeve ..... 99162  
Seal ..... 1181

2004-1996 3.5RL  
Repair Sleeve ..... 99162  
Seal ..... 1181

2004-1991 NSX  
Repair Sleeve ..... 99162  
Seal ..... 1181

1999-1997 3.0CL  
Repair Sleeve ..... 99162  
Seal ..... 1181

1995-1986 Legend  
Repair Sleeve ..... 99162  
Seal ..... 1181

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2005-2004 TSX  
Seal Viton ..... 228008  
Repair Sleeve ..... 99315

2005-2002 RSX  
Seal Viton ..... 228008  
Repair Sleeve ..... 99315

2001-1986 Integra  
Repair Sleeve ..... 99315  
Seal ..... 228015

1999-1998 2.3CL  
Repair Sleeve ..... 99315  
Seal ..... 228015

1997 2.2CL  
Repair Sleeve ..... 99315  
Seal ..... 228015

### 5 Cylinder

1998-1995 2.5TL  
Repair Sleeve ..... 99315  
Seal ..... 228015

1994-1992 Vigor  
Repair Sleeve ..... 99315  
Seal ..... 228015

### 6 Cylinder

2005-1991 NSX  
Seal Viton ..... 228008  
Repair Sleeve ..... 99315

2004-1996 3.5RL  
Seal Viton ..... 228008  
Repair Sleeve ..... 99315

2003-2001 3.2CL  
Seal Viton ..... 228008  
Repair Sleeve ..... 99315

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<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
2003-1996	3.2TL	
Seal Viton .....		228008
Repair Sleeve .....		99315
1999-1997	3.0CL	
Seal Viton .....		228008
Repair Sleeve .....		99315

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1995-1986	Legend	
Seal Viton .....		228008
Repair Sleeve .....		99315

## ACURA TRUCK- SUV - MDX

<b>FRONT WHEEL</b>		
2006-2003	All	
Ball Bearing .....		510085
2002-2001	All	
Ball Bearing .....		510011

<b>REAR WHEEL</b>		
2002-2001	All	
Ball Bearing .....		510039

<b>5-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Output Shaft</b>		
2005-2001	All	
Seal ; RH .....		710110
<b>Selector Shaft Seal/Man. Shaft</b>		
2004-2001	All	
Repair Sleeve .....		221207
Seal .....		
<b>Torque Converter</b>		
2002-2001	(BGHA, MGHA)	
Seal .....		350609

<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2002-2001	3471cc/3.5L	
Seal .....		710451

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2002-2001	3471cc/3.5L	
Seal Viton .....		228008
Repair Sleeve .....		99315

## ACURA TRUCK- SUV - SLX

<b>FRONT WHEEL</b>		
1999-1996	All	
Cone/Cup ; Outer .....		32008
Cone/Cup ; Inner .....		32009XA
Seal ; Inner .....		710168

<b>REAR WHEEL</b>		
1999-1996	All	
Seal ; Inner .....		225230
Seal ; Outer .....		473179
Ball Bearing ; Inner .....		511016

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
1999-1996	All	
Cup/Cone .....		A35

<b>Pinion</b>		
1999-1996	All	
Seal .....		474133
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307

# Bearings and Seals

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<b>ACURA TRUCK- SUV - SLX (cont.)</b>					
<b>4WD FRONT AXLE(cont)</b>			<b>CAMSHAFT SEAL</b>		
<b>Axle Shaft</b>			<b>6 Cylinder</b>		
1999-1996	All		1999-1998	3496cc/3.5L	
	Ball Bearing .....	106CC		Repair Sleeve .....	99114
	Seal .....	710516		Seal .....	1981
<b>REAR AXLE</b>			1997-1996 3165cc/3.2L		
<b>Differential</b>			Repair Sleeve .....		
1999-1996	All		99114		
	Cone/Cup .....	30210	Seal .....		
<b>Pinion</b>			1981		
1999-1996	All		<b>CRANKSHAFT FRONT SEAL</b>		
	Seal .....	710248	<b>6 Cylinder</b>		
	Cone/Cup ; Outer .....	32332C	1999-1996 3165cc/3.2, 3494cc/3.5L		
	Cone/Cup ; Inner .....	32307	Repair Sleeve .....		
<b>4-SPEED AUTOMATIC TRANSMISSION</b>			99157		
<b>Rear Seal/Ext. Housing</b>			Seal .....		
1999-1996	All		224025		
	Seal .....	3459	<b>CRANKSHAFT REAR SEAL</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			<b>6 Cylinder</b>		
1999-1996	All		1999-1996 3165cc/3.2, 3494cc/3.5L		
	Seal .....	8792S	Repair Sleeve .....		
<b>Torque Converter</b>			99364		
1999-1996	All		Seal .....		
	Repair Sleeve .....	99174	710060		
	Seal .....	3227			
<b>POWER STEERING</b>					
<b>Pump Shaft</b>					
1999-1996	All				
	Seal Viton .....	222036			

## ALFA ROMEO- Alfetta, Berlina, Giulia, GTV, Milano, Spider, Sport, 164

<b>FRONT WHEEL</b>			<b>REAR WHEEL</b>		
1994-1980	Spider		1994-1980	Spider	
	Cone/Cup ; Inner .....	30206		Ball Bearing .....	88107
	Seal ; Inner .....	224100		Seal .....	223035
	Cone/Cup; Outer .....	32303	1989-1987 <b>Milano</b>		
1989-1987	Milano			Ball Bearing .....	513106
	Seal ; Inner .....	1973		Seal .....	224210
	Cup/Cone; Inner .....	A15	1986-1981 <b>GTV 6</b>		
	Cup/Cone; Outer .....	A2		Ball Bearing .....	513106
1986-1981	GTV 6			Seal .....	224210
	Seal ; Inner .....	1973	<b>REAR AXLE</b>		
	Cup/Cone; Inner .....	A15	<b>Differential</b>		
	Cup/Cone; Outer .....	A2	1993-1991 164		
			Cone/Cup .....		
			32009XA		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ALFA ROMEO- Alfetta, Berlina, Giulia, GTV, Milano, Spider, Sport, 164 (cont.)</b>					

## REAR AXLE(cont)

### Differential(cont)

1989-1987	Milano	
Cup/Cone	.....	A35
1988-1980	Spider 2000, Graduate, Quadrifoglio, Veloce	
Cup/Cone	.....	A35
1986-1981	GTV 6	
Cup/Cone	.....	A37
1981	GTV / GT Veloce	
Cup/Cone	.....	A35

### Pinion

1989-1987	Milano	
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	HM89446-HM89410
1986-1983	GTV 6	
Cone/Cup ; Outer	.....	HM89446-HM89410
Cone/Cup ; Inner	.....	HM801346X-HM801310
1986-1980	2000 Spider, Berlina, Graduate, Quadrifoglio	
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	HM89446-HM89410

## CLUTCH

### Release Bearing

1994-1976	Spider 2000	
Bearing Assembly	.....	614100

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1983-1980	(ZF3HP22)	
Ball Bearing	.....	107
Seal	.....	3459

### Torque Converter

1983-1980	(ZF3HP22)	
Repair Sleeve	.....	99157
Seal	.....	224010

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1990-1984	(ZF4HP22)	
Seal	.....	3459

### Torque Converter

1990-1984	(ZF4HP22)	
Repair Sleeve	.....	99157
Seal	.....	224052

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

1995-1991	(ZF4HP18Q)	
Cone/Cup ; LH	.....	LM806649-LM806610
Cone/Cup ; RH	.....	LM300849-LM300811

## ALTERNATOR

1987-1980	(Bosch 35 Amp.)	
Ball Bearing ; Rear End	.....	201S

## ALTERNATOR(cont)

1987-1980	(Bosch 45 Amp.)	
Ball Bearing ; Rear End	.....	201S
Ball Bearing ; Drive End	.....	203S
1987-1980	(Bosch 55, 65 Amp.)	
Ball Bearing ; Drive End	.....	203S

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

1994-1980	1962cc/2.0L	
Repair Sleeve	.....	99139
Seal	.....	223520

### 6 Cylinder

1995-1991	2959cc/3.0L	
Repair Sleeve	.....	99139
Seal	.....	223520
1989-1981	2492cc/2.5L, 2959cc/3.0L	
Seal	.....	223520

## CRANKSHAFT REAR SEAL

### 4 Cylinder

1994-1980	1962cc/2.0L	
Repair Sleeve	.....	228480
Seal	.....	

### 6 Cylinder

1995-1991	2959cc/3.0L	
Repair Sleeve	.....	228480
Seal	.....	
1989-1981	2492cc/2.5L, 2959cc/3.0L	
Repair Sleeve	.....	228480
Seal	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>AMERICAN MOTORS- Ambassador, AMX, Classic, Concord, Gremlin, Hornet, Javelin, Marlin, Matador, Pacer, Rambler, Rambler American, Rebel, Scrambler, Spirit</b>					

<b>FRONT WHEEL</b>		
1983-1980	All	
Seal ; Inner	.....	7022S
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A2

<b>REAR WHEEL</b>		
1983-1980	(Exc. 8 Cyl.)	
Seal ; Inner	.....	7686S
Seal ; Outer	.....	8429S
Cup/Cone; Outer	.....	A6

<b>REAR AXLE</b>		
<b>Differential</b>		
1983-1980	(7.506" R.G.)	
Cone/Cup	.....	LM501349-LM501314
<b>Pinion</b>		
1983-1980	(6 Cyl.)	
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM88648-HM88610
1982-1980	4 Cyl	
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	

<b>ALTERNATOR</b>		
1983	(Delco 56 Amp.)	
Ball Bearing ; Drive End	.....	203F
Needle Bearing; Rear End	.....	MNJ471S
1983	(Delco 66 Amp.)	
Ball Bearing ; Drive End	.....	203F
Needle Bearing; Rear End	.....	MNJ471S
1983	(Delco 78 Amp.)	
Ball Bearing ; Drive End	.....	203F
Needle Bearing; Rear End	.....	MNJ471S
1982-1980	(Delco 63 Amp.)	
Ball Bearing ; Drive End	.....	203S
Needle Bearing; Rear End	.....	MNJ471S

<b>ALTERNATOR(cont)</b>		
1982-1980	(Delco 70 Amp.)	
Ball Bearing ; Drive End	.....	203S
Needle Bearing; Rear End	.....	MNJ471S
1980	(Bosch)	
Ball Bearing ; Rear End	.....	201S
Ball Bearing ; Drive End	.....	203S

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1982-1980	151/2.5L	
Seal	.....	9845
<b>6 Cylinder</b>		
1983-1980	195/3.2L, 199/3.3, 232/3.8, 258/4.2	
Seal	.....	321460

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1982-1980	151/2.5L	
Seal	.....	3698
<b>6 Cylinder</b>		
1983-1980	195/3.2L, 199/3.3, 232/3.8, 258/4.2	
Seal	.....	5111S

## AMERICAN MOTORS- Eagle, SX/4

<b>FRONT WHEEL</b>		
1988-1980	All	
Seal ; Inner	.....	3942
Cup/Cone; Inner	.....	A40
Cup/Cone; Outer	.....	A40

<b>REAR WHEEL</b>		
1988-1980	All	
Seal ; Inner	.....	7686S
Seal ; Outer	.....	8429S
Cup/Cone; Inner	.....	A6

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
1988-1980	All	
Cone/Cup	.....	LM501349-LM501314
<b>Pinion</b>		
1988-1980	All	
Seal Viton	.....	5778V
Cone/Cup ; Outer	.....	02872-02820
Cone/Cup ; Inner	.....	HM88649-HM88610

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## AMERICAN MOTORS- Eagle, SX/4 (cont.)

### REAR AXLE

#### Differential

1988-1980	All	
Cone/Cup	.....	LM501349-LM501314

#### Pinion

1988-1980	All	
Seal	.....	470331N
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM88648-HM88610

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1984-1982	(Warner T4)	
Seal	.....	7412S
Cup/Cone	.....	A5

#### Rear Output Shaft

1984-1982	(Warner T4) (23 splines)	
Cone/Cup	.....	25877-25821
Seal	.....	472439
1984-1982	(Warner T4) (26 splines)	
Cone/Cup	.....	25877-25821
Seal	.....	2506

#### Countershaft

1984-1982	(Warner T4)	
Cyl Bearing ; Rr	.....	5707

### 5-SPEED MANUAL TRANSMISSION

#### Front Input Shaft

1988-1982	(Warner T5)	
Seal	.....	7412S
Cup/Cone	.....	A5

#### Rear Output Shaft

1988-1982	(Warner T5) (23 spline)	
Cone/Cup	.....	25877-25821
Seal	.....	472439

### 5-SPEED MANUAL TRANSMISSION(cont)

#### Rear Output Shaft(cont)

1988-1982	(Warner T5) (26 spline)	
Cone/Cup	.....	25877-25821
Seal	.....	2506

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1984-1983	150/2.5L	
Seal	.....	321460
1983-1981	151/2.5L	
Seal	.....	9845

#### 6 Cylinder

1988-1980	258/4.2L	
Seal	.....	321460

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1984-1983	150/2.5L	
Seal Viton	.....	716445
Repair Sleeve	.....	99294

1983-1981	151/2.5L	
Seal	.....	3698

#### 6 Cylinder

1988-1980	258/4.2L	
Seal	.....	5111S

## ASTON MARTIN- DB1, DB7, DB9, DBS, Lagonda, V-8, V8 Vantage, Vanquish, Virage, Zagato

### FRONT WHEEL

1994-1990	Virage	
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A15
1989	Virage	
Cup/Cone; Inner	.....	A13
Cup/Cone; Outer	.....	A15
1989-1980	Lagonda	
Cup/Cone; Inner	.....	A13
Cup/Cone; Outer	.....	A12

### REAR WHEEL

1989-1980	Lagonda	
Cup/Cone	.....	A37

### REAR AXLE

#### Differential

1992-1980	DBS, Lagonda, Vantage, Virage, Volante, V8	
Cone/Cup	.....	25577-25523

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ASTON MARTIN- DB1, DB7, DB9, DBS, Lagonda, V-8, V8 Vantage, Vanquish, Virage, Zagato (cont.)</b>					

<b>REAR AXLE(cont)</b>		
<b>Pinion</b>		
1992-1990	Virage	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	HM89446-HM89410
1989-1980	Lagonda	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	HM89446-HM89410
1989-1980	V8	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	HM89446-HM89410
<b>Axle Shaft</b>		
1993-1980	DBS, Lagonda, Vantage, Virage, Volante, V8	
	Cup/Cone .....	A17
<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1993-1980	(A727)	
	Ball Bearing .....	207XLO
	Seal .....	7300S
	Seal Kit .....	5206
<b>Torque Converter</b>		
1993-1980	(A727)	
	Repair Sleeve .....	99187
	Seal .....	331227H
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Output Shaft</b>		
1997	(4L80E)	
	Seal .....	4934

<b>4-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Rear Seal/Ext. Housing</b>		
1997	(4L80E)	
	Seal .....	9449
	Seal Kit .....	5208
<b>Selector Shaft Seal/Man. Shaft</b>		
1997	(4L80E)	
	Seal .....	8792S
<b>Torque Converter</b>		
1997	(4L80E)	
	Repair Sleeve .....	99199
	Seal .....	4598

## AUDI- 80 80 Quattro 90 90 Quattro 100 100 Quattro 200 200 Quattro

<b>FRONT WHEEL</b>		
1995-1989	90 Quattro	
	Ball Bearing .....	510019
1995-1988	90	
	Ball Bearing .....	513014
1994-1992	100	
	Ball Bearing .....	510019
1994-1992	100 Quattro	
	Ball Bearing .....	510019
1992-1988	80	
	Ball Bearing .....	513014
1992-1988	80 Quattro	
	Ball Bearing .....	510020
1991	100	
	Ball Bearing .....	510019

<b>FRONT WHEEL(cont)</b>		
1991-1989	200 (A/T) (Turbo)	
	Ball Bearing .....	513242
1991-1989	200 (M/T) (Turbo)	
	Ball Bearing .....	510020
1990-1989	100 (3 Spd.)	
	Ball Bearing .....	513242
1990-1989	100 (5 Spd.)	
	Ball Bearing .....	510020
1988	90 Quattro	
	Ball Bearing .....	510020
<b>REAR WHEEL</b>		
1995-1989	90 Quattro	
	Ball Bearing .....	510020

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>AUDI- 80 80 Quattro 90 90 Quattro 100 100 Quattro 200 200 Quattro (cont.)</b>					

## REAR WHEEL(cont)

<b>1995-1988</b>	<b>90 (Disc Brks.)</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A2
<b>1994-1989</b>	<b>100</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A2
<b>1994-1989</b>	<b>100 Quattro</b>	
Ball Bearing .....		510019
<b>1992-1989</b>	<b>80 Quattro</b>	
Ball Bearing .....		510020
<b>1992-1988</b>	<b>80 (Disc Brks.)</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A2
<b>1991-1989</b>	<b>200 (Turbo)</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A2
<b>1991-1989</b>	<b>200 (Turbo) Quattro</b>	
Ball Bearing .....		510019
<b>1989-1988</b>	<b>80 (Drum Brks.)</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1
<b>1989-1988</b>	<b>90 (Drum Brks.)</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1
<b>1988</b>	<b>80 Quattro (From Ch. # 89J35000)</b>	
Ball Bearing .....		510020
<b>1988</b>	<b>80 Quattro (Thru Ch. # 89J350000)</b>	
Ball Bearing .....		513106
<b>1988</b>	<b>90 Quattro (From Ch. # 89J350001)</b>	
Ball Bearing .....		510020
<b>1988</b>	<b>90 Quattro (Thru Ch. # 89J350000)</b>	
Ball Bearing .....		513106

## FRONT AXLE

### Differential

<b>1993-1989</b>	<b>100 Quattro</b>	
Cone/Cup ; RH .....		LM300849-LM300811
Cup/Cone; LH .....		A35
<b>1993-1988</b>	<b>90 Quattro</b>	
Cone/Cup ; RH .....		LM300849-LM300811
Cup/Cone; LH .....		A35
<b>1992-1988</b>	<b>80 Quattro</b>	
Cone/Cup ; RH .....		LM300849-LM300811
Cup/Cone; LH .....		A35
<b>1991</b>	<b>80 (M/T)</b>	
Cone/Cup ; RH .....		LM300849-LM300811
Cup/Cone; LH .....		A35
<b>1991-1989</b>	<b>200 (Turbo)</b>	
Cone/Cup ; RH .....		LM300849-LM300811
Cup/Cone; LH .....		A35

## FRONT AXLE(cont)

### Differential(cont)

<b>1991-1989</b>	<b>200 (Turbo) Quattro</b>	
Cone/Cup ; RH .....		LM300849-LM300811
Cup/Cone; LH .....		A35
<b>1990-1988</b>	<b>80 (A/T)</b>	
Cone/Cup .....		LM300849-LM300811
<b>1990-1988</b>	<b>80 (M/T)</b>	
Cone/Cup ; RH .....		LM300849-LM300811
Cup/Cone; LH .....		A35
<b>1990-1988</b>	<b>90 (A/T)</b>	
Cone/Cup .....		LM300849-LM300811

### Pinion

<b>1991</b>	<b>100 (A/T)</b>	
Cone/Cup ; Inner .....		LM29749-LM29710
<b>1991</b>	<b>80 (A/T)</b>	
Cone/Cup ; Inner .....		LM29749-LM29710
<b>1991</b>	<b>90 (A/T)</b>	
Cone/Cup ; Inner .....		LM29749-LM29710
<b>1991-1989</b>	<b>200 (Turbo) (A/T)</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M86649-M86610
<b>1990-1989</b>	<b>100 (A/T)</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M86649-M86610
<b>1990-1988</b>	<b>80 (A/T)</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M86649-M86610
<b>1990-1988</b>	<b>90 (A/T)</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M86649-M86610

## REAR AXLE

### Differential

<b>1992-1988</b>	<b>All</b>	
Cup/Cone; LH .....		A37
Cup/Cone; RH .....		A35

### Pinion

<b>1992-1988</b>	<b>All</b>	
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		HM801346X-HM801310

## CLUTCH

### Pilot Bearing

<b>1990-1988</b>	<b>5 Cyl</b>	
Needle Bearing .....		F85706

### Release Bearing

<b>1995-1988</b>	<b>90</b>	
Bearing Assembly .....		614073
<b>1994-1989</b>	<b>100</b>	
Bearing Assembly .....		614073
<b>1992-1988</b>	<b>80</b>	
Bearing Assembly .....		614073
<b>1991-1989</b>	<b>200 Turbo</b>	
Bearing Assembly .....		614073

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>AUDI- 80 80 Quattro 90 90 Quattro 100 100 Quattro 200 200 Quattro (cont.)</b>					

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1991-1988 (VW 003, 087)		
Cone/Cup .....	LM300849-LM300811	
1990-1988 (VW 089)		
Cone/Cup .....	LM29749-LM29710	
<b>Pinion</b>		
1991-1988 (VW 087)		
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M86649-M86610	
Seal ; Inner .....	1012N	
Seal ; Outer .....	222820	
Repair Sleeve; Inner .....	99177	
Repair Sleeve; Outer .....	99177	
1990-1988 (VW 089)		
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M86649-M86610	
Seal ; Inner .....	239146	
Seal ; Outer .....	222535	
Repair Sleeve; Inner .....	99098	
Repair Sleeve; Outer .....	99098	
<b>Output Shaft</b>		
1991-1988 (VW 003, 087, 089)		
Repair Sleeve .....	99177	
Seal .....	224520	
<b>Torque Converter</b>		
1991-1988 (VW 087, 089)		
Repair Sleeve .....	99169	
Seal .....	3083	

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1995-1992 (ZF 4HP 18)		
Cone/Cup ; LH .....	LM806649-LM806610	
Cone/Cup ; RH .....	LM300849-LM300811	
1995-1991 (VW 097)		
Cone/Cup .....	LM503349A-LM503310	
1994-1991 (VW 095)		
Cone/Cup .....	LM300849-LM300811	
<b>Pinion</b>		
1995-1991 (VW 097)		
Cone/Cup ; Outer .....	LM29749-LM29710	
Wheel Brg; Inner .....	513185	
<b>Torque Converter / Frt Pump</b>		
1995-1992 (ZF 4HP 18)		
Repair Sleeve .....	99177	
Seal .....	225110	
1994-1991 (VW 095)		
Repair Sleeve .....	99177	
Seal .....	225110	
<b>Output Shaft</b>		
1994-1991 (VW 095)		
Repair Sleeve .....	99196	
Seal .....	225010	

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1995-1988 (VW 016, 01E, 012, 093)		
Cone/Cup ; RH .....	LM300849-LM300811	
Cup/Cone; LH .....	A35	
<b>Output Shaft</b>		
1995-1988 (VW 016, 01E, 012, 093)		
Repair Sleeve .....	99177	
Seal .....	224520	
<b>Input Shaft</b>		
1995-1988 (VW 016, 01E, 012, 093)		
Repair Sleeve .....	99098	
Seal .....	222540	
<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
1995-1992 2771cc/2.8L		
Repair Sleeve .....	99128	
Seal .....	3476	
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1990-1988 1983cc/2.0L		
Repair Sleeve .....	99128	
Seal .....	3476	
<b>5 Cylinder</b>		
1992-1988 1986cc/2.0L, 2144cc/2.1L, 2226cc/2.2L, 2309cc/2.3L		
Seal Viton .....	1108	
Repair Sleeve .....	99139	
<b>6 Cylinder</b>		
1995-1992 2671cc/2.7L, 2771cc/2.8L		
Seal Viton .....	1108	
Repair Sleeve .....	99139	
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1990-1988 1983cc/2.0L		
Repair Sleeve .....	716102	
Seal .....		
<b>5 Cylinder</b>		
1992-1988 2226cc/2.2L, 2309cc/2.3L		
Repair Sleeve .....	716102	
Seal .....		
<b>6 Cylinder</b>		
1995-1992 2671cc/2.7L, 2771cc/2.8L		
Repair Sleeve .....	716102	
Seal .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## AUDI- A4, A6, A8, Cabriolet, RS6, S4, S6, S8, TT, V8 Quattro

### FRONT WHEEL

2006-2000	TT, TT Quattro	
	Ball Bearing .....	510003
2004-2002	A4, A4 Quattro, A6, A6 Quattro, A8 Quattro, RS6, S4, S6, S8	
	Hub Assembly .....	513205
2001-2000	S4	
	Ball Bearing .....	510019
2001-1997	A4, A4 Quattro (4 Cyl)	
	Ball Bearing .....	510020
2001-1997	A4, A4 Quattro (6 Cyl)	
	Ball Bearing .....	510019
1999	A8 (2nd Design)	
	Ball Bearing .....	510020
1999	A8 Quattro (2nd Design)	
	Hub Assembly .....	513205
1999	A8, A8 Quattro (1st Design)	
	Ball Bearing .....	510069
1999-1990	A6, A6 Quattro, S4, S6, V8	
	Ball Bearing .....	510019
1998-1997	A8, A8 Quattro	
	Ball Bearing .....	510069
1998-1994	Cabriolet	
	Ball Bearing .....	510020
1996	A4 Quattro (1st Design)	
	Ball Bearing .....	510069
1996	A4 Quattro (2nd Design)	
	Ball Bearing .....	510019
1996	A4 V6 (1st Design)	
	Ball Bearing .....	510069
1996	A4 V6 (2nd Design)	
	Ball Bearing .....	510019
1994-1992	V8 Quattro	
	Ball Bearing .....	510019
1991-1990	V8 Quattro	
	Ball Bearing .....	510020

### REAR WHEEL

2006-2000	A6 Quattro Sedan V8	
	Ball Bearing .....	510020
2006-1998	A6 Quattro Wagon	
	Ball Bearing .....	510020
2006-1995	A6 Quattro Sedan V6	
	Ball Bearing .....	510019
	Cup/Cone; Outer .....	A2
2005-2002	A4	
	Hub Assembly .....	512231
2005-2002	S4	
	Ball Bearing .....	510020
2005-2000	TT	
	Hub Assembly .....	512012
2005-2000	TT Quattro	
	Ball Bearing .....	510003
2005-1998	A4 Quattro	
	Ball Bearing .....	510020
2005-1997	A8 A8 Quattro	
	Ball Bearing .....	510020
2004-2002	RS6, S6	
	Ball Bearing .....	510019

### REAR WHEEL(cont)

2004-1998	A6	
	Hub Assembly .....	512187
2003-2001	S8	
	Ball Bearing .....	510020
2001-1996	A4	
	Seal ; Inner .....	1962
	Cup/Cone; Inner .....	A15
	Cup/Cone; Outer .....	A2
1998-1994	Cabriolet	
	Seal ; Inner .....	1962
	Cup/Cone; Inner .....	A15
	Cup/Cone; Outer .....	A2
1997-1996	A4 Quattro	
	Ball Bearing .....	510019
1997-1995	A6	
	Ball Bearing .....	510020
	Seal ; Inner .....	1962
	Cup/Cone; Inner .....	A15
	Cup/Cone; Outer .....	A2
1994-1990	V8 Quattro	
	Ball Bearing .....	510019

### REAR AXLE

#### Differential

2004-2002	A4, A6, A8, TT Quattro Models	
	Cone/Cup ; LH .....	LM300849-LM300811
2001-1995	A4, A6, A8, TT Quattro Models	
	Cone/Cup ; LH .....	LM300849-LM300811
	Repair Sleeve; RH .....	99177
	Seal ; RH .....	224520
	Cup/Cone; RH .....	A35
1994-1990	V8 Quattro	
	Repair Sleeve; RH .....	99177
	Seal ; RH .....	224520
	Cup/Cone; LH .....	A37
	Cup/Cone; RH .....	A35

#### Pinion

2005-1990	All	
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	HM801346X-HM801310

### CLUTCH

#### Pilot Bearing

2002-1997	4 Cyl 1781cc/1.8L DOHC	
	Needle Bearing .....	F85265
2002-1994	6 Cyl 2671cc/2.7L, 2771cc/2.8L, 2976cc/3.0L	
	Needle Bearing .....	F212285
2002-1990	8 Cyl 3562cc/3.6L, 4172cc/4.2L	
	Needle Bearing .....	F212285

#### Release Bearing

2002-2000	4 Cyl 1781cc/1.8L (228mm Cl.)	
	Bearing Assembly .....	614111
2002-1997	4 Cyl 1781cc/1.8L (220mm Cl.)	
	Bearing Assembly .....	614073

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>AUDI- A4, A6, A8, Cabriolet, RS6, S4, S6, S8, TT, V8 Quattro (cont.)</b>					

## CLUTCH(cont)

**Release Bearing(cont)**

2002-1994	6 Cyl 2671cc/2.7L, 2771cc/2.8L, 2976cc/3.0L	
	Bearing Assembly .....	614073
1991-1990	8 Cyl 3562cc/3.6L	
	Bearing Assembly .....	614073

## 3-SPEED AUTOMATIC TRANSAXLE

**Differential**

1991-1990	(VW 003, 087)	
	Cone/Cup .....	LM300849-LM300811
1990	(VW 089)	
	Cone/Cup .....	LM29749-LM29710

**Pinion**

1991-1990	(VW 087)	
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	M86649-M86610
	Seal ; Inner .....	1012N
	Seal ; Outer .....	222820
	Repair Sleeve; Inner .....	99177
	Repair Sleeve; Outer .....	99177
1990	(VW 089)	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M86649-M86610
	Seal ; Inner .....	239146
	Seal ; Outer .....	222535
	Repair Sleeve; Inner .....	99098
	Repair Sleeve; Outer .....	99098

**Output Shaft**

1991-1990	(VW 003, 087, 089)	
	Repair Sleeve .....	99177
	Seal .....	224520

**Torque Converter**

1991-1990	(VW 087, 089)	
	Repair Sleeve .....	99169
	Seal .....	3083

## 4-SPEED AUTOMATIC TRANSAXLE

**Differential**

1998-1992	(ZF 4HP 18)	
	Cone/Cup ; LH .....	LM806649-LM806610
	Cone/Cup ; RH .....	LM300849-LM300811
1998-1991	(VW 097)	
	Cone/Cup .....	LM503349A-LM503310
1994-1991	(VW 095)	
	Cone/Cup .....	LM300849-LM300811

**Pinion**

1998-1991	(VW 097)	
	Cone/Cup ; Outer .....	LM29749-LM29710
	Wheel Brg; Inner .....	513185

**Torque Converter / Frt Pump**

1998-1992	(ZF 4HP 18)	
	Repair Sleeve .....	99177
	Seal .....	225110

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

**Torque Converter / Frt Pump(cont)**

1994-1991	(VW 095)	
	Repair Sleeve .....	99177
	Seal .....	225110

**Output Shaft**

1994-1991	(VW 095)	
	Repair Sleeve .....	225010
	Seal .....	

## 5-SPEED AUTOMATIC TRANSAXLE

**Torque Converter**

2002-1996	(ZF5HP19, ZF5HP24A)	
	Repair Sleeve .....	99157
	Seal .....	224052

## 5-SPEED MANUAL TRANSAXLE

**Differential**

2001-1990	(VW 016, 01E, 012, 093)	
	Cone/Cup ; RH .....	LM300849-LM300811
	Cup/Cone; LH .....	A35

**Output Shaft**

2001-1990	(VW 016, 01E, 012, 093)	
	Repair Sleeve .....	99177
	Seal .....	224520

**Input Shaft**

2001-1990	(VW 016, 01E, 012, 093)	
	Repair Sleeve .....	99098
	Seal .....	222540

## CAMSHAFT SEAL

**4 Cylinder**

2003-1997	1781cc/1.8L (DOHC)	
	Repair Sleeve .....	99128
	Seal .....	3476

**6 Cylinder**

2003-1994	2671cc/2.7L, 2771cc/2.8L, 2976cc/3.0L	
	Repair Sleeve .....	99128
	Seal .....	3476

**8 Cylinder**

2003-1997	3697cc/3.7L, 4172cc/4.2L	
	Seal Viton .....	3476
	Repair Sleeve .....	99128
1994-1990	3562cc/3.6L, 4172cc/4.2L	
	Repair Sleeve .....	99128
	Seal .....	3476

## CRANKSHAFT FRONT SEAL

**4 Cylinder**

2003-2000	1781cc/1.8L (DOHC)	
	Seal Viton .....	1108
	Repair Sleeve .....	99139

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## AUDI- A4, A6, A8, Cabriolet, RS6, S4, S6, S8, TT, V8 Quattro (cont.)

### CRANKSHAFT FRONT SEAL(cont)

#### 4 Cylinder(cont)

1999-1997	1781cc/1.8L (DOHC)	
Repair Sleeve	.....	99128
Seal	.....	3476

#### 6 Cylinder

2003-1994	2671cc/2.7L, 2771cc/2.8L, 2976cc/3.0L	
Seal Viton	.....	1108
Repair Sleeve	.....	99139

#### 8 Cylinder

2002-1997	4172cc/4.2L	
Seal Viton	.....	1108
Repair Sleeve	.....	99139
1994-1990	3562cc/3.6L, 4172cc/4.2L	
Seal Viton	.....	1108
Repair Sleeve	.....	99139

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2000-1997	1781cc/1.8L	
Repair Sleeve	.....	716102
Seal	.....	

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

2002-1994	2671cc/2.7L, 2771cc/2.8L	
Repair Sleeve	.....	716102
Seal	.....	

#### 8 Cylinder

1994-1990	3562cc/3.6L, 4172cc/4.2L	
Repair Sleeve	.....	716102
Seal	.....	

## AUDI- Coupe, Coupe Quattro, 4000, 4000 Quattro, 5000, 5000 Quattro

### FRONT WHEEL

1991-1990	Quattro Coupe	
Ball Bearing	.....	510020
1988-1986	5000 Quattro (75mm O.D. Brg.)	
Ball Bearing	.....	513106
1988-1986	5000 Quattro (82mm O.D. Brg.)	
Ball Bearing	.....	513242
1988-1980	5000 Ser.	
Ball Bearing	.....	513242
1987-1984	4000 Quattro	
Ball Bearing	.....	513014
1987-1981	(Coupe)	
Ball Bearing	.....	513014
1987-1980	4000 Ser.	
Ball Bearing	.....	513014
1985-1984	Quattro	
Ball Bearing	.....	513242

### REAR WHEEL

1991-1990	Quattro Coupe	
Ball Bearing	.....	510020
1988-1986	5000 S, CS, Quattro	
Ball Bearing	.....	513242
1988-1980	5000 Ser.	
Seal ; Inner	.....	1962
Cup/Cone; Inner	.....	A15
Cup/Cone; Outer	.....	A2
1987-1983	4000, S, CS, Quattro	
Ball Bearing	.....	513242

### REAR WHEEL(cont)

1987-1981	(Coupe)	
Seal ; Inner	.....	1962
Cup/Cone; Inner	.....	A15
Cup/Cone; Outer	.....	A1
1987-1980	4000 Ser.	
Seal ; Inner	.....	1962
Cup/Cone; Inner	.....	A15
Cup/Cone; Outer	.....	A1

### FRONT AXLE

#### Pinion

1988-1982	5000CS	
Cone/Cup ; Outer	.....	M88048-M88010
1988-1980	5000 Ser. (Exc. CS) (A/T)	
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M86649-M86610
1987-1984	4000CS (M/T)	
Cone/Cup ; Outer	.....	24780-24720
1987-1980	4000 Ser. (A/T)	
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	M86649-M86610
1986-1982	4000 Ser. (M/T)	
Cone/Cup ; Outer	.....	24780-24721

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>AUDI- Coupe, Coupe Quattro, 4000, 4000 Quattro, 5000, 5000 Quattro (cont.)</b>					

## REAR AXLE

<b>Differential</b>		
1991-1982	All	
	Cup/Cone; LH .....	A37
	Cup/Cone; RH .....	A35
<b>Pinion</b>		
1991-1982	All	
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	HM801346X-HM801310

## CLUTCH

<b>Pilot Bearing</b>		
1991-1990	Quattro Coupe	
	Ball Bearing .....	202FF
<b>Release Bearing</b>		
1991-1990	Quattro Coupe	
	Bearing Assembly .....	614073

## 3-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
1991-1980	(VW 003, 087)	
	Cone/Cup .....	LM300849-LM300811
1990-1980	(VW 089)	
	Cone/Cup .....	LM29749-LM29710
<b>Pinion</b>		
1991-1980	(VW 087)	
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	M86649-M86610
	Seal ; Inner .....	1012N
	Seal ; Outer .....	222820
	Repair Sleeve; Inner .....	99177
	Repair Sleeve; Outer .....	99177
1990-1980	(VW 089)	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M86649-M86610
	Seal ; Inner .....	239146
	Seal ; Outer .....	222535
	Repair Sleeve; Inner .....	99098
	Repair Sleeve; Outer .....	99098
<b>Output Shaft</b>		
1991-1980	(VW 003, 087, 089)	
	Repair Sleeve .....	99177
	Seal .....	224520
<b>Torque Converter</b>		
1991-1980	(VW 087, 089)	
	Repair Sleeve .....	99169
	Seal .....	3083

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
1991	(VW 095)	
	Cone/Cup .....	LM300849-LM300811

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

<b>Pinion</b>		
1991	(VW 097)	
	Cone/Cup ; Outer .....	LM29749-LM29710
	Wheel Brg; Inner .....	513185
<b>Torque Converter / Frt Pump</b>		
1991	(VW 095)	
	Repair Sleeve .....	99177
	Seal .....	225110
<b>Output Shaft</b>		
1991	(VW 095)	
	Repair Sleeve .....	99196
	Seal .....	225010

## 4-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
1983-1980	(VW 014, 088)	
	Cone/Cup .....	LM300849-LM300811
<b>Output Shaft</b>		
1983-1980	(VW 014, 019, 088)	
	Repair Sleeve .....	99157
	Seal .....	224015
<b>Input Shaft</b>		
1983-1980	(VW 014, 019, 088)	
	Repair Sleeve .....	99157
	Seal .....	222030

## 5-SPEED MANUAL TRANSAXLE

<b>Output Shaft</b>		
1991-1980	(VW 016, 01E, 012, 093)	
	Repair Sleeve .....	99177
	Seal .....	224520
1987-1980	(VW 013)	
	Repair Sleeve .....	99157
	Seal .....	224015
<b>Input Shaft</b>		
1991-1980	(VW 016, 01E, 012, 093)	
	Repair Sleeve .....	99098
	Seal .....	222540
1987-1980	(VW 013)	
	Repair Sleeve .....	222030
	Seal .....	

## CRANKSHAFT FRONT SEAL

<b>4 Cylinder</b>		
1987-1980	1588cc/1.6L, 1715cc/1.7L, 1780cc/1.8L	
	Seal .....	3476
<b>5 Cylinder</b>		
1991-1980	1986cc/2.0L, 2144cc/2.2L, 2226cc/2.2L, 2309cc/2.3L	
	Seal Viton .....	1108

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>AUDI- Coupe, Coupe Quattro, 4000, 4000 Quattro, 5000, 5000 Quattro (cont.)</b>					

## CRANKSHAFT REAR SEAL

### 4 Cylinder

1983-1980	1588cc/1.6L, 1715cc/1.7L, 1781cc/1.8L	
Repair Sleeve	.....	716102
Seal	.....	

## CRANKSHAFT REAR SEAL(cont)

### 5 Cylinder

1991-1980	1986cc/2.0L, 2144cc/2.2L, 2226cc/2.2L, 2309cc/2.3L	
Repair Sleeve	.....	716102
Seal	.....	

## AUDI- Fox, Super 90, S4, S6, RS6

## FRONT WHEEL

2004-2002	S4	
Ball Bearing	.....	510019
2003-2002	S6	
Ball Bearing	.....	510020
2001-2000	S4	
Ball Bearing	.....	510020
1997-1995	S6	
Ball Bearing	.....	510019
1994-1992	S4	
Ball Bearing	.....	510019

## REAR WHEEL

2002-1995	S6	
Ball Bearing	.....	510019

## REAR AXLE

### Differential

2004-2002	S4	
Cone/Cup ; LH	.....	LM300849-LM300811
2001-2000	S4	
Cone/Cup ; LH	.....	LM300849-LM300811
Repair Sleeve; RH	.....	99177
Seal ; RH	.....	224520
Cup/Cone; RH	.....	A35

### Pinion

2004-2000	S4	
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	HM801346X-HM801310

## CLUTCH

### Pilot Bearing

2002-2000	6 Cyl 2671cc/2.7L	
Needle Bearing	.....	F212285

### Release Bearing

2002-2000	6 Cyl 2671cc/2.7L	
Bearing Assembly	.....	614073

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

1997-1992	(VW 097)	
Cone/Cup	.....	LM503349A-LM503310
1997-1992	(ZF 4HP 18)	
Cone/Cup ; LH	.....	LM806649-LM806610
Cone/Cup ; RH	.....	LM300849-LM300811

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Differential(cont)

1994-1992	(VW 095)	
Cone/Cup	.....	LM300849-LM300811

### Pinion

1997-1992	(VW 097)	
Cone/Cup ; Outer	.....	LM29749-LM29710
Wheel Brg; Inner	.....	513185

### Torque Converter / Frt Pump

1997-1992	(ZF 4HP 18)	
Repair Sleeve	.....	99177
Seal	.....	225110
1994-1992	(VW 095)	
Repair Sleeve	.....	99177
Seal	.....	225110

### Output Shaft

1994-1992	(VW 095)	
Repair Sleeve	.....	99196
Seal	.....	225010

## 5-SPEED AUTOMATIC TRANSAXLE

### Torque Converter

2002-2000	(ZF5HP19, ZF5HP24A)	
Repair Sleeve	.....	99157
Seal	.....	224052

## 5-SPEED MANUAL TRANSAXLE

### Differential

2001-1992	(VW 016, 01E, 012, 093)	
Cone/Cup ; RH	.....	LM300849-LM300811
Cup/Cone; LH	.....	A35

### Output Shaft

2001-1992	(VW 016, 01E, 012, 093)	
Repair Sleeve	.....	99177
Seal	.....	224520

### Input Shaft

2001-1992	(VW 016, 01E, 012, 093)	
Repair Sleeve	.....	99098
Seal	.....	222540

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## AUDI- Fox, Super 90, S4, S6, RS6 (cont.)

<b>CAMSHAFT SEAL</b>			<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>5 Cylinder</b>			<b>8 Cylinder</b>		
1997-1992	2226cc/2.2L DOHC		2003-2002	4172cc/4.2L	
Repair Sleeve .....		99128	Seal Viton .....		1108
Seal .....		3476	Repair Sleeve .....		99139
<b>6 Cylinder</b>			<b>CRANKSHAFT REAR SEAL</b>		
2002-2000	2671cc/2.7L		<b>5 Cylinder</b>		
Repair Sleeve .....		99128	1997-1992	2226cc/2.2L (DOHC)	
Seal .....		3476	Repair Sleeve .....		716102
<b>8 Cylinder</b>			<b>6 Cylinder</b>		
2003-2002	4172cc/4.2L		2002-2000	2671cc/2.7L	
Repair Sleeve .....		99128	Repair Sleeve .....		716102
Seal .....		3476	Seal .....		
<b>CRANKSHAFT FRONT SEAL</b>					
<b>5 Cylinder</b>					
1997-1992	2226cc/2.2L (DOHC)				
Seal Viton .....		1108			
Repair Sleeve .....		99139			
<b>6 Cylinder</b>					
2002-2000	2671cc/2.7L				
Seal Viton .....		1108			
Repair Sleeve .....		99139			

## AUDI TRUCK- SUV - Allroad Quattro

<b>FRONT WHEEL</b>			<b>CLUTCH(cont)</b>		
2005-2001	All		<b>Release Bearing</b>		
Ball Bearing .....		510019	2002-2001	6 Cyl 2671cc/2.7L 240mm Clutch	
<b>REAR WHEEL</b>			Bearing Assembly .....		
2005-2001	All		614073		
Ball Bearing .....		510020	<b>5-SPEED AUTOMATIC TRANSAXLE</b>		
<b>REAR AXLE</b>			<b>Torque Converter</b>		
<b>Differential</b>			2005-2001	(5HP24A, ZF5HP19)	
2005-2001	All		Repair Sleeve .....		99157
Cone/Cup ; LH .....	LM300849-LM300811		Seal .....		224052
Repair Sleeve; RH .....		99177	<b>CAMSHAFT SEAL</b>		
Seal ; RH .....		224520	<b>6 Cylinder</b>		
Cup/Cone; RH .....		A35	2005-2001	2671cc/2.7L	
<b>Pinion</b>			Repair Sleeve .....		
2005-2001	All		3476		
Cone/Cup ; Outer .....	M88048-M88010		<b>8 Cylinder</b>		
Cone/Cup ; Inner .....	HM801346X-HM801310		2005-2003	4172cc/4.2L	
<b>CLUTCH</b>			Seal .....		
<b>Pilot Bearing</b>			3476		
2002-2001	6 Cyl 2671cc/2.7L				
Needle Bearing .....		F212285			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## AUDI TRUCK- SUV - Allroad Quattro (cont.)

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2005-2001	2671cc/2.7L	
Seal Viton .....		1108
Repair Sleeve .....		99139

#### 8 Cylinder

2005-2003	4172cc/4.2L	
Seal Viton .....		1108

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2005-2001	2671cc/2.7L	
Repair Sleeve .....		716102
Seal .....		

#### 8 Cylinder

2005-2003	4172cc/4.2L	
Seal .....		716102

## AVANTI II- All Models

### FRONT WHEEL

1991-1989	All	
Seal ; Inner .....		205017
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3
1988-1987	All	
Seal ; Inner .....		205017
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34
1985-1980	All	
Seal ; Inner .....		205017
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2

### REAR WHEEL

1991-1987	All	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
1985-1980	All	
Seal .....		2689S
Wheel Brg .....		A10

### REAR AXLE

#### Differential

1988-1980	All	
Cone/Cup .....		25577-25523

### REAR AXLE(cont)

#### Pinion

1990	(RC On)	
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
1990-1987	(To 1990 RC)	
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210
1986-1980	All	
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31594-31520

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1986-1980	(THM200 4R)	
Seal .....		9613S
Seal Kit .....		5200
1986-1980	(THM350)	
Seal .....		9613S
Seal Kit .....		5200

#### Selector Shaft Seal/Man. Shaft

1986-1980	(THM200 4R)	
Seal .....		8792S
1986-1980	(THM350)	
Seal .....		8792S

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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**AVANTI II- All Models (cont.)**

<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Torque Converter</b>		
1986-1982	(THM200 4R)	
Repair Sleeve .....		99174
Seal .....		3227
1981-1980	(THM350)	
Repair Sleeve .....		99187
Seal .....		6712NA

<b>CRANKSHAFT REAR SEAL</b>		
<b>8 Cylinder</b>		
1990-1986	305/5.0L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		5274A
1985-1981	305/5.0L	
Seal .....		5092

<b>CRANKSHAFT FRONT SEAL</b>		
<b>8 Cylinder</b>		
1990-1980	305/5.0L, 350/5.7L	
Repair Sleeve .....		99176
Seal .....		9845

**BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T10**

<b>REAR WHEEL</b>		
1992-1980	All	
Cone/Cup ; Outer .....		18690-18620

**BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T2**

<b>A/C COMPRESSOR</b>		
1984-1980	(Frigidaire A6) (axial)	
Ball Bearing .....		907257

**BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T3**

<b>FRONT WHEEL</b>		
1992-1980	All	
Cone/Cup ; Inner .....		LM29749-LM29710

**BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T4**

<b>FRONT WHEEL</b>		
1992-1980	All	
Cup/Cone; Outer .....		A4

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T5</b>					

<b>REAR AXLE</b>
<b>Differential</b>
1992-1980 All Cone/Cup ; LH .....
25590-25520

<b>BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T6</b>					
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<b>REAR AXLE</b>
<b>Differential</b>
1992-1980 All Cone/Cup ; RH .....
368A-362A

<b>BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T7</b>					
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<b>REAR AXLE</b>
<b>Pinion</b>
1992-1980 All Cone/Cup ; Inner .....
HM903249-HM903210

<b>BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T8</b>					
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<b>REAR AXLE</b>
<b>Pinion</b>
1992-1980 All Cone/Cup ; Outer .....
HM88649-HM88610

<b>BENTLEY - ROLLS ROYCE- Continental, Corniche, Eight, Mulsanne, Turbo R, T9</b>					
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<b>REAR WHEEL</b>
1992-1980 All Cone/Cup ; Inner .....
18790-18720

<b>BMW- 3 Series - 318i, 318is, 318ti, 320i, 323i, 323is, 323ci, 325, 325e, 325es, 325i, 325is, 325ix, 325ci, 325xi, 328i, 328is, 328ci, 328xi, 330i, 330ci, 330xi, 335xi, M3, Z3</b>					
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<b>FRONT WHEEL</b>
2007-2006 (AWD) Ball Bearing .....
510081

<b>FRONT WHEEL(cont)</b>
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# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 3 Series - 318i, 318is, 318ti, 320i, 323i, 323is, 323ci, 325, 325e, 325es, 325i,325is, 325ix, 325ci, 325xi, 328i, 328is, 328ci, 328xi, 330i, 330ci, 330xi, 335xi, M3, Z3 (cont.)</b>					

<b>FRONT WHEEL(cont)</b>		
2005-2001	(Exc. 325xi & 330xi)	
	Hub Assembly .....	513125
2005-2001	325xi & 330xi	
	Ball Bearing .....	510080
2000	323	
	Hub Assembly .....	513125
2000-1996	Z3	
	Hub Assembly .....	513125
1991-1988	325iX	
	Ball Bearing .....	513106
1991-1988	M3	
	Hub Assembly .....	513094
1991-1984	318i, 318is, 325, 325e, 325es, 325i, 325is	
	Bearing Assm .....	513111
1983-1980	All	
	Seal ; Inner .....	224010
	Cup/Cone; Inner .....	A15
	Cup/Cone; Outer .....	A1

<b>REAR WHEEL</b>		
2005-2001	2.5L	
	Ball Bearing .....	513106
2005-2001	3.0L, 3.2L	
	Ball Bearing .....	511026
2000-1987	318i, 318is, 323i, 323is, 323ci,325, 325e, 325es, 325i, 325is,325ix, 325ci, 328i, 328i 328ci	
	Ball Bearing .....	513106
1999-1997	Z3	
	Ball Bearing .....	513106
1999-1995	318ti	
	Ball Bearing .....	513113
1991-1988	M3	
	Ball Bearing .....	513113
1986-1984	All	
	Ball Bearing .....	513113
1983-1980	All	
	Seal ; Inner .....	224235
	Seal ; Outer .....	224235
	Ball Bearing ; Inner .....	RW122
	Ball Bearing ; Outer .....	RW122

<b>FRONT AXLE</b>		
<b>Differential</b>		
1991-1988	325iX	
	Cone/Cup .....	LM29749-LM29710
	Repair Sleeve .....	99139
	Seal .....	473823
<b>Pinion</b>		
1991-1988	325iX	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M88048-M88010

<b>REAR AXLE</b>		
<b>Differential</b>		
2005-1984	M3, 325 Ser., 328 Ser., 330i,	
	Cone/Cup .....	LM503349A-LM503310
2005-1984	M3, 325 Ser., 328 Ser., 330i, 330xi	
	Repair Sleeve .....	99139
	Seal .....	473823
2002-1991	Z3, 318 Ser., 323 Ser.	
	Seal .....	239146
	Cup/Cone .....	A35
1985-1980	318i, 320i	
	Seal .....	239146
	Cup/Cone .....	A35
<b>Pinion</b>		
2005-1984	M3, 325 Ser., 328 Ser., 330i,330xi	
	Repair Sleeve .....	99177
	Seal .....	1979
	Cone/Cup ; Outer .....	HM88542-HM88510
	Cone/Cup ; Inner .....	HM89449-HM89410
2002-1991	Z3, 318 Ser., 323 Ser.	
	Repair Sleeve .....	99157
	Seal .....	1992
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89446-HM89410
1985-1980	318i, 320i	
	Repair Sleeve .....	99157
	Seal .....	1992
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89446-HM89410

<b>DRIVESHAFT SUPPORT</b>		
1997-1980	(1.1811 30mm I.D.)	
	Ball Bearing .....	106CC

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
2003-1996	6 Cyl 2494cc/2.5L, 2793cc/2.8L,2990cc/3.0L, 3152cc/3.2L,3245cc/3.2L	
	Ball Bearing .....	102CC
1999-1991	4 Cyl 1796cc/1.8L, 1895cc/1.9L	
	Ball Bearing .....	102CC
1995-1984	6 Cyl 2494cc/2.5L, 2693cc/2.7L,2788cc/2.8L, 2985cc/3.0L,2990cc/3.0L	
	Ball Bearing .....	201CC
1994-1980	4 Cyl 1766cc/1.8L, 1796cc/1.8L,1990cc/2.0L, 2302cc/2.3L	
	Ball Bearing .....	201CC

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 3 Series - 318i, 318is, 318ti, 320i, 323i, 323is, 323ci, 325, 325e, 325es, 325i,325is, 325ix, 325ci, 325xi, 328i, 328is, 328ci, 328xi, 330i, 330ci, 330xi, 335xi, M3, Z3 (cont.)</b>					

## CLUTCH(cont)

### Release Bearing

2002-1984	6 Cyl 2494cc/2.5L, 2693cc/2.7L,2788cc/2.8L, 2985cc/3.0L,2990cc/3.0L	
Bearing Assembly	.....	614105
1999-1977	4 Cyl 1766cc/1.8L, 1796cc/1.8L,1895cc/1.9L, 1990cc/2.0L, 2302cc/2.3L	
Bearing Assembly	.....	614105

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1985-1980	(ZF3HP22)	
Ball Bearing	.....	107
Seal	.....	3459

### Torque Converter

1985-1980	(ZF3HP22)	
Repair Sleeve	.....	99157
Seal	.....	224010

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1993-1989	(ZF4HP22)	
Seal	.....	710140
1988-1984	(ZF4HP22)	
Seal	.....	3459

### Selector Shaft Seal/Man. Shaft

1999-1990	(4L30E)	
Seal	.....	8792S

### Torque Converter

2000-1990	(4L30E)	
Repair Sleeve	.....	99174
Seal	.....	3227
1993-1984	(ZF4HP22)	
Repair Sleeve	.....	99157
Seal	.....	224052

## 5-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2005-1995	(ZF5HP18) (ZF5HP19)	
Seal	.....	710140

### Torque Converter

2005-2001	(ZF5HP19)	
Seal	.....	224510
1999-1995	(ZF5HP18)	
Seal	.....	224052

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1996	(ZF S5 31)	
Seal	.....	470672

## 5-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft(cont)

1992-1991	(Getrag 245)	
Repair Sleeve	.....	99114
Seal	.....	223010
1992-1983	(Getrag 240, 260)	
Repair Sleeve	.....	99139
Seal	.....	223535
1991-1988	(Getrag 265)	
Ball Bearing	.....	306L
Repair Sleeve	.....	99114
Seal	.....	223010
1985-1984	(ZF S5 16)	
Repair Sleeve	.....	99114
Seal	.....	223020
1982-1980	(Getrag 245)	
Ball Bearing	.....	206
Repair Sleeve	.....	99114
Seal	.....	223010

### Rear Output Shaft

1996	(ZF S5 31)	
Seal	.....	224010
1992-1983	(Getrag 240, 245, 260)	
Seal	.....	473677
1991-1988	(Getrag 265)	
Ball Bearing	.....	306L
Seal	.....	473677
1985-1984	(ZF S5 16)	
Seal	.....	223535
1982-1980	(Getrag 245)	
Ball Bearing	.....	306L
Seal	.....	473677

### Countershaft

1991-1988	(Getrag 265)	
Ball Bearing ; Frt	.....	305
1982-1980	(Getrag 245)	
Ball Bearing ; Frt	.....	304

## AUXILIARY SHAFT

### 6 Cylinder

2005-1984	2494cc/2.5L , 2494cc/2.5L (DOHC), 2693cc/2.7L,2793cc/2.8L (DOHC),2979cc/3.0L (DOHC)	
Seal	.....	223802

## TRANSFER CASE

### Input Shaft

1991-1987	(A95) (A/T)	
Ball Bearing	.....	109
1991-1987	(A95) (M/T)	
Ball Bearing	.....	109
Seal	.....	710310

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 3 Series - 318i, 318is, 318ti, 320i, 323i, 323is, 323ci, 325, 325e, 325es, 325i,325is, 325ix, 325ci, 325xi, 328i, 328is, 328ci, 328xi, 330i, 330ci, 330xi, 335xi, M3, Z3 (cont.)</b>					

<b>TRANSFER CASE(cont)</b>		
<b>Front Output Shaft</b>		
1991-1987 (A95)		
Repair Sleeve .....		99139
Seal .....		1172
<b>Rear Output Shaft</b>		
1991-1987 (A95)		
Ball Bearing ; Rr .....		105
Ball Bearing ; Center .....		107

<b>ALTERNATOR</b>		
1994-1987 (Bosch 80, 105, 115, 140 Amp.)		
Ball Bearing ; Rear End .....		201CC
1994-1984 (Bosch 80, 105, 115, 140 Amp.)		
Ball Bearing ; Drive End .....		303CC
1993-1980 (Bosch 45, 65, 90 Amp.)		
Ball Bearing ; Rear End .....		201S
1985-1980 (Bosch 45, 65, 90 Amp.)		
Ball Bearing ; Drive End .....		203S

<b>A/C COMPRESSOR</b>		
1991-1984 (Nippondenso 10P15) (axial)		
Ball Bearing .....		5000KFF
1989-1984 (Sanden SD 508) (axial)		
Ball Bearing .....		5001KFF

<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
1983-1980 All		
Ball Bearing .....		104CC
Seal .....		222060

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1985-1980 1766cc/1.8L		
Seal .....		223540

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>6 Cylinder</b>		
2005-1995 2494cc/2.5L , 2494cc/2.5L (DOHC), 2693cc/2.7L,2793cc/2.8L (DOHC),2979cc/3.0L (DOHC)		
Seal Viton .....		716484
Repair Sleeve .....		99189
2000-1996 3152cc/3.2L		
Seal .....		231003

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1999-1980 All		
Seal Viton .....		229005
Repair Sleeve .....		
<b>6 Cylinder</b>		
2004-1984 2494cc/2.5L, 2693cc/2.7L,2793cc/2.8L, 2990cc/3.0L		
Seal Viton .....		229005
Repair Sleeve .....		
2000-1996 3152cc/3.2L		
Seal Viton .....		229005

## BMW- 4 Series - Z4

<b>FRONT WHEEL</b>		
2006-2003 Z4		
Hub Assembly .....		513125

<b>REAR WHEEL</b>		
2006-2003 Z4		
Ball Bearing .....		513106

<b>5-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2007-2006 (A6HP19Z)		
Seal .....		710140

<b>5-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Torque Converter</b>		
2005-2003 (ZF5HP19)		
Seal .....		224510

<b>AUXILIARY SHAFT</b>		
<b>6 Cylinder</b>		
2005-2003 2494cc/2.5L (DOHC),2979cc/3.0L (DOHC)		
Seal .....		223802

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## BMW- 4 Series - Z4 (cont.)

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

YEAR	APPLICATION	Part. No.
2004-2003	2492cc/2.5L, 2959cc/3.0L	
	Seal Viton .....	716484
	Repair Sleeve .....	99189

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

YEAR	APPLICATION	Part. No.
2007-2003	2494cc/2.5L (DOHC),2979cc/3.0L (DOHC),2996cc/3.0L (DOHC)	
	Seal Viton .....	229005
	Repair Sleeve .....	

## BMW- 5 Series - 524td, 525i, 525Xi, 528e, 528i, 530i, 530Xi, 533i, 535i, 535is, 540i,545i, 550i, M5

### FRONT WHEEL

2007-2006	(AWD)	
	Ball Bearing .....	510081
2005-1997	525i, 528i, 530i, 540i	
	Hub Assembly .....	513172
1995-1992	(Exc. M5)	
	Hub Assembly .....	513125
1993-1991	M5	
	Hub Assembly .....	513096
1991	525i, 535i	
	Hub Assembly; To 3/31/91 .....	513096
	Hub Assembly; From 4/1/91 .....	513125
1990-1989	All	
	Hub Assembly .....	513096
1988-1982	All	
	Hub Assembly .....	513094
1981-1980	All	
	Seal ; Inner .....	224250
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2

### REAR WHEEL

2006	(Exc. M5 & Wagon)	
	Hub Assembly .....	512225
2006	Wagon	
	Bearing Assm .....	512226
2005-1997	All	
	Hub Assembly .....	512225
1995-1989	525i	
	Ball Bearing ; Sedan .....	511020
	Ball Bearing ; Wagon .....	513180
1995-1982	(Exc. 525i)	
	Ball Bearing .....	513180
1981-1980	528i	
	Seal ; Inner .....	224250
	Seal ; Outer .....	226020
	Ball Bearing ; Inner .....	206FF
	Ball Bearing ; Outer .....	208FF

### REAR AXLE

#### Differential

2005-2001	525i, 530i	
	Cone/Cup .....	LM503349A-LM503310
	Seal .....	473823

### REAR AXLE(cont)

#### Differential(cont)

2003-1997	M5, 528i, 540i	
	Cone/Cup .....	JLM104948-JLM104910
	Repair Sleeve .....	99177
	Seal .....	1012N
1995-1991	M5, 540i	
	Cone/Cup .....	JLM104948-JLM104910
	Repair Sleeve .....	99177
	Seal .....	1012N
1995-1980	524td, 525i, 528e, 528i, 530i,533i, 535i, 535is	
	Cone/Cup .....	LM503349A-LM503310
	Repair Sleeve .....	99139
	Seal .....	473823

#### Pinion

2005-2001	525i, 530i	
	Seal .....	1979
	Cone/Cup ; Outer .....	HM88542-HM88510
	Cone/Cup ; Inner .....	HM89449-HM89410
2003-1997	M5, 528i, 540i	
	Repair Sleeve .....	99139
	Seal .....	223520
	Cone/Cup ; Outer .....	
	Cone/Cup ; Inner .....	
1995-1991	M5, 540i	
	Repair Sleeve .....	99139
	Seal .....	223520
	Cone/Cup ; Outer .....	
	Cone/Cup ; Inner .....	
1995-1980	524td, 525i, 528e, 528i, 530i,533i, 535i, 535is	
	Repair Sleeve .....	99177
	Seal .....	1979
	Cone/Cup ; Outer .....	HM88542-HM88510
	Cone/Cup ; Inner .....	HM89449-HM89410
1988	M5	
	Repair Sleeve .....	99139
	Seal .....	223520
	Cone/Cup ; Outer .....	
	Cone/Cup ; Inner .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 5 Series - 524td, 525i, 525Xi, 528e, 528i, 530i, 530Xi, 533i, 535i, 535is, 540i,545i, 550i, M5 (cont.)</b>					
<b>DRIVESHAFT SUPPORT</b>			<b>5-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
1995-1980	(1.1811 30mm I.D.)		<b>Torque Converter(cont)</b>		
	Ball Bearing .....	106CC	1995-1994	(ZF5HP18) (ZF5HP30)	
<b>CLUTCH</b>				Seal .....	224052
<b>Pilot Bearing</b>			<b>4-SPEED MANUAL TRANSMISSION</b>		
1995-1994	8 Cyl 2997cc/3.0L		<b>Input Shaft</b>		
	Ball Bearing .....	201CC	1980	(Getrag 242, 262)	
1995-1980	6 Cyl 2494cc/2.5L, 2693cc/2.7L,2788cc/2.8L, 2985cc/3.0L,2990cc/3.0L			Ball Bearing .....	206L
	Ball Bearing .....	201CC		Seal .....	714619
<b>Release Bearing</b>			<b>Rear Output Shaft</b>		
2002-1976	6 Cyl		1980	(Getrag 262)	
	Bearing Assembly .....	614105		Ball Bearing .....	306L
<b>3-SPEED AUTOMATIC TRANSMISSION</b>				Seal .....	473677
<b>Rear Seal/Ext. Housing</b>			<b>Countershaft</b>		
1984-1980	(ZF3HP22)		1980	(Getrag 262)	
	Ball Bearing .....	107		Ball Bearing ; Frt .....	305
	Seal .....	3459	<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Torque Converter</b>			<b>Front Input Shaft</b>		
1984-1980	(ZF3HP22)		1995-1991	(ZF S5 31)	
	Repair Sleeve .....	99157		Seal .....	470672
	Seal .....	224010	1993-1983	(Getrag 260, 280)	
<b>4-SPEED AUTOMATIC TRANSMISSION</b>				Repair Sleeve .....	99139
<b>Rear Seal/Ext. Housing</b>				Seal .....	223535
1999-1991	(4L30E)		1987-1980	(Getrag 265)	
	Seal .....	710437		Ball Bearing .....	306L
1993-1989	(ZF4HP22)			Repair Sleeve .....	99114
	Seal .....	710140		Seal .....	223010
1988-1983	(ZF4HP22)		<b>Rear Output Shaft</b>		
	Seal .....	3459	1995-1991	(ZF S5 31)	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal .....	224010
1999-1991	(4L30E)		1993-1983	(Getrag 260, 280)	
	Seal .....	8792S		Seal .....	473677
<b>Torque Converter</b>			1987-1980	(Getrag 265)	
1997-1991	(4L30E)			Ball Bearing .....	306L
	Repair Sleeve .....	99174		Seal .....	473677
	Seal .....	3227	<b>Countershaft</b>		
1993-1983	(ZF4HP22)		1987-1980	(Getrag 265)	
	Repair Sleeve .....	99157		Ball Bearing ; Frt .....	305
	Seal .....	224052		Ball Bearing ; Rr .....	306L
<b>5-SPEED AUTOMATIC TRANSMISSION</b>			<b>6-SPEED MANUAL TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>			<b>Front Input Shaft</b>		
2004-1994	(ZF5HP18) (ZF5HP19)		1995	(Getrag 286)	
	Seal .....	710140		Repair Sleeve .....	99139
<b>Torque Converter</b>				Seal .....	
2004-2002	(ZF5HP19)		<b>Rear Output Shaft</b>		
	Seal .....	224510	1995	(Getrag 286)	
2003-1997	(ZF5HP24)			Seal Viton .....	710279
	Seal .....	224052			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 5 Series - 524td, 525i, 525Xi, 528e, 528i, 530i, 530Xi, 533i, 535i, 535is, 540i,545i, 550i, M5 (cont.)</b>					

## AUXILIARY SHAFT

### 6 Cylinder

2005-1991	2494cc/2.5L, 2793cc/2.8L,2979cc/3.0L	
Seal .....		223802

## ALTERNATOR

1994-1987	(Bosch 80, 105, 115, 140 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
1988-1980	(Bosch 45, 65, 90 Amp.)	
Ball Bearing ; Rear End .....		201S
1986-1985	(Bosch 80 Amp.) (Diesel)	
Ball Bearing ; Drive End .....		203FF
1983-1980	(Bosch 45, 65, 90 Amp.)	
Ball Bearing ; Drive End .....		203S

## POWER STEERING

### Pump Shaft

1993-1982	All	
Seal .....		222820
1981-1980	All	
Ball Bearing .....		104CC
Seal .....		222060

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

2005-1994	2494cc/2.5L, 2793cc/2.8L,2979cc/3.0L	
Seal Viton .....		716484
Repair Sleeve .....		99189
1993-1991	3535cc/3.5L (DOHC)	
Seal .....		224462
1993-1983	3210cc/3.2L, 3430cc/3.5L	
Repair Sleeve .....		224250
Seal .....		
1993-1982	2443cc/2.4L (Diesel) 2494cc/2.5L, 2693cc/2.7L	
Seal Viton .....		716484
Repair Sleeve .....		99189
1981-1980	2788cc/2.8L, 2985cc/3.0L	
Seal .....		224250

## CRANKSHAFT FRONT SEAL(cont)

### 8 Cylinder

2005-1994	2997cc/3.0, 3982cc/4.0L,4398cc/4.4L	
Seal Viton .....		716484
Repair Sleeve .....		99189
2003-2000	4941cc/5.0L	
Seal Viton .....		716484

## CRANKSHAFT REAR SEAL

### 6 Cylinder

2005-1994	2494cc/2.5L, 2793cc/2.8L,2979cc/3.0L	
Seal Viton .....		229005
Repair Sleeve .....		
1993-1980	2443cc/2.4L (Diesel)2494cc/2.5L, 2693cc/2.7L,2788cc/2.8L, 3210cc/3.2L,3430cc/3.4L, 3453cc/3.5L,3535c	
Seal Viton .....		229005
Repair Sleeve .....		

### 8 Cylinder

2005-1994	2997cc/3.0L, 3982cc/4.0L,4398cc/4.4L	
Repair Sleeve .....		99393
Seal .....		231003
2003-2000	4941cc/5.0L	
Repair Sleeve .....		99393
Seal .....		231003

# BMW- 6 Series - 630csi, 633csi, 635csi, 645Ci, 650i, L6, M6

## FRONT WHEEL

1989-1983	All	
Hub Assembly .....		513094
1982-1980	All	
Seal ; Inner .....		224820
Cup/Cone; Inner .....		A13
Cup/Cone; Outer .....		A12

## REAR WHEEL

2007-2006	(Exc. M6)	
Bearing Assm .....		512226

## REAR WHEEL(cont)

2005-2004	All	
Bearing Assm .....		512226
1989-1983	All	
Ball Bearing .....		513180

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 6 Series - 630csi, 633csi, 635csi, 645Ci, 650i, L6, M6 (cont.)</b>					

## REAR WHEEL(cont)

1982-1980	All	
Seal ; Inner	.....	224250
Seal ; Outer	.....	226020
Ball Bearing ; Inner	.....	206FF
Ball Bearing ; Outer	.....	208FF

## REAR AXLE

### Differential

1989-1985	All	
Cone/Cup	..... JLM104948-JLM104910	
Repair Sleeve	.....	99177
Seal	.....	1012N

1984-1980	All	
Cone/Cup	..... LM503349A-LM503310	
Repair Sleeve	.....	99139
Seal	.....	473823

### Pinion

1989-1985	All	
Repair Sleeve	.....	99139
Seal	.....	223520
Cone/Cup ; Outer	.....	
Cone/Cup ; Inner	.....	

1984-1980	All	
Repair Sleeve	.....	99177
Seal	.....	1979
Cone/Cup ; Outer	..... HM88542-HM88510	
Cone/Cup ; Inner	..... HM89449-HM89410	

## DRIVESHAFT SUPPORT

1989-1980	(1.1811 30mm I.D.)	
Ball Bearing	.....	106CC

## CLUTCH

### Pilot Bearing

1989-1980	6 Cyl	
Ball Bearing	.....	201CC

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1984-1980	(ZF3HP22)	
Ball Bearing	.....	107
Seal	.....	3459

### Torque Converter

1984-1980	(ZF3HP22)	
Repair Sleeve	.....	99157
Seal	.....	224010

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1989	(ZF4HP22)	
Seal	.....	710140
1988-1983	(ZF4HP22)	
Seal	.....	3459

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter

1989-1983	(ZF4HP22)	
Repair Sleeve	.....	99157
Seal	.....	224052

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1980	(Getrag 242, 262)	
Ball Bearing	.....	206L
Seal	.....	714619

### Rear Output Shaft

1980	(Getrag 262)	
Ball Bearing	.....	306L
Seal	.....	473677

### Countershaft

1980	(Getrag 262)	
Ball Bearing ; Frt	.....	305

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1989-1983	(Getrag 260, 280)	
Seal	.....	223535

1987-1985	(Getrag 265)	
Ball Bearing	.....	306L
Repair Sleeve	.....	99114
Seal	.....	223010

1982-1980	(Getrag 265)	
Ball Bearing	.....	306L
Repair Sleeve	.....	99114
Seal	.....	223010

### Rear Output Shaft

1989-1983	(Getrag 260, 280)	
Seal	.....	473677

1987-1985	(Getrag 265)	
Ball Bearing	.....	306L
Seal	.....	473677

1982-1980	(Getrag 265)	
Ball Bearing	.....	306L
Seal	.....	473677

### Countershaft

1987-1985	(Getrag 265)	
Ball Bearing ; Frt	.....	305
Ball Bearing ; Rr	.....	306L

1982-1980	(Getrag 265)	
Ball Bearing ; Frt	.....	305
Ball Bearing ; Rr	.....	306L

## ALTERNATOR

1988-1985	(Bosch 80, 115, 140 Amp.)	
Ball Bearing ; Drive End	.....	303CC

1988-1980	(Bosch 65, 90 Amp.)	
Ball Bearing ; Rear End	.....	201S

1986-1980	(Bosch 65 Amp.)	
Ball Bearing ; Drive End	.....	203S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## BMW- 6 Series - 630csi, 633csi, 635csi, 645Ci, 650i, L6, M6 (cont.)

### A/C COMPRESSOR

1989-1980	(Sanden SD 508) (axial)	
Ball Bearing .....		5001KFF

### POWER STEERING

#### Pump Shaft

1982-1980	All	
Ball Bearing .....		104CC
Seal .....		222060

### CAMSHAFT SEAL

#### 6 Cylinder

1988-1987	3453cc/3.5 (DOHC)	
Repair Sleeve .....		222820
Seal .....		

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

1989-1980	2985cc/3.0L, 3210cc/3.2L, 3430cc/ 3.4L	
Seal .....		224250

### CRANKSHAFT FRONT SEAL(cont)

#### 8 Cylinder

2005-2004	4398cc/4.4L (DOHC)	
Seal Viton .....		716484

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1989-1980	2985cc/3.0L, 3210cc/3.2L, 3430cc/ 3.4L, 3453cc/3.5L	
Seal Viton .....		229005
Repair Sleeve .....		

#### 8 Cylinder

2005-2004	4398cc/4.4L (DOHC)	
Seal .....		231003

## BMW- 7 Series - 733i, 735i, 735il, 740i, 740il, 745i, 745iL, 750i, 750il, 750Li, 760i, 760Li, L7

### FRONT WHEEL

2001-1995	All	
Hub Assembly .....		513171
1994-1992	All	
Hub Assembly .....		513125
1991-1988	All	
Hub Assembly .....		513096
1987	735i	
Hub Assembly .....		513096
1987-1986	L7	
Hub Assembly .....		513094
1986-1980	733i, 735i	
Seal ; Inner .....		224820
Cup/Cone; Inner .....		A13
Cup/Cone; Outer .....		A12

### REAR WHEEL

2007-2002	745i, IL 760Li	
Bearing Assm .....		512226
2001-1995	All	
Ball Bearing .....		511026
1994-1982	All	
Ball Bearing .....		513180
1981-1980	All	
Seal ; Inner .....		224250
Seal ; Outer .....		226020
Ball Bearing ; Inner .....		206FF
Ball Bearing ; Outer .....		208FF

### REAR AXLE

#### Differential

2001-1986	L7, 740i, 740il, 750il	
Cone/Cup .....	JLM104948-JLM104910	
Repair Sleeve .....		99177
Seal .....		1012N
1992-1982	733i, 735i, 735il	
Cone/Cup .....	LM503349A-LM503310	
Repair Sleeve .....		99139
Seal .....		473823
1981-1980	733i	
Cone/Cup .....	JLM104948-JLM104910	
Repair Sleeve .....		99177
Seal .....		1012N

#### Pinion

2001-1986	L7, 740i, 740il, 750il	
Repair Sleeve .....		99139
Seal .....		223520
Cone/Cup ; Outer .....		
Cone/Cup ; Inner .....		
1992-1982	733i, 735i, 735il	
Repair Sleeve .....		99177
Seal .....		1979
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM89449-HM89410	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 7 Series - 733i, 735i, 735il, 740i, 740il, 745i, 745iL, 750i, 750il, 750Li, 760i, 760Li, L7 (cont.)</b>					
<b>REAR AXLE(cont)</b>			<b>4-SPEED MANUAL TRANSMISSION(cont)</b>		
<b>Pinion(cont)</b>			<b>Rear Output Shaft</b>		
1981-1980	All		1980	(Getrag 262)	
	Repair Sleeve .....	99139		Ball Bearing .....	306L
	Seal .....	223520		Seal .....	473677
	Cone/Cup ; Outer .....		<b>Countershaft</b>		
	Cone/Cup ; Inner .....		1980	(Getrag 262)	
<b>DRIVESHAFT SUPPORT</b>				Ball Bearing ; Frt .....	305
1997-1980	(1.1811 30mm I.D.)		<b>5-SPEED MANUAL TRANSMISSION</b>		
	Ball Bearing .....	106CC	<b>Front Input Shaft</b>		
<b>CLUTCH</b>			1992-1983	(Getrag 260)	
<b>Pilot Bearing</b>				Repair Sleeve .....	99139
1992-1980	6 Cyl			Seal .....	223535
	Ball Bearing .....	201CC	1987-1985	(Getrag 265)	
<b>Release Bearing</b>				Ball Bearing .....	306L
1992-1978	6 Cyl			Repair Sleeve .....	99114
	Bearing Assembly .....	614105		Seal .....	223010
<b>3-SPEED AUTOMATIC TRANSMISSION</b>			1982-1980	(Getrag 265)	
<b>Rear Seal/Ext. Housing</b>				Ball Bearing .....	306L
1983-1980	(ZF3HP22)			Repair Sleeve .....	99114
	Ball Bearing .....	107		Seal .....	223010
	Seal .....	3459	<b>Rear Output Shaft</b>		
<b>Torque Converter</b>			1992-1983	(Getrag 260)	
1983-1980	(ZF3HP22)			Seal .....	473677
	Repair Sleeve .....	99157	1987-1985	(Getrag 265)	
	Seal .....	224010		Ball Bearing .....	306L
<b>4-SPEED AUTOMATIC TRANSMISSION</b>				Seal .....	473677
<b>Rear Seal/Ext. Housing</b>			1982-1980	(Getrag 265)	
1992-1989	(ZF4HP22, ZF4HP24)			Ball Bearing .....	306L
	Seal .....	710140		Seal .....	473677
1988-1983	(ZF4HP22, ZF4HP24)		<b>Countershaft</b>		
	Seal .....	3459	1987-1985	(Getrag 265)	
<b>Torque Converter</b>				Ball Bearing ; Frt .....	305
1992-1983	(ZF4HP22, ZF4HP24)			Ball Bearing ; Rr .....	306L
	Repair Sleeve .....	99157	1982-1980	(Getrag 265)	
	Seal .....	224052		Ball Bearing ; Frt .....	305
<b>5-SPEED AUTOMATIC TRANSMISSION</b>				Ball Bearing ; Rr .....	306L
<b>Torque Converter</b>			<b>AUXILIARY SHAFT</b>		
2001-1993	(ZF5HP24) (ZF5HP30)		<b>12 Cylinder</b>		
	Seal .....	224052	2001-1988	4988cc/5.0L, 5379cc/5.4L	
<b>4-SPEED MANUAL TRANSMISSION</b>				Seal .....	222820
<b>Input Shaft</b>			<b>ALTERNATOR</b>		
1980	(Getrag 262)		1994-1986	(Bosch 80, 115, 140 Amp.)	
	Ball Bearing .....	206L		Ball Bearing ; Drive End .....	303CC
	Repair Sleeve .....	99114	1994-1985	(Bosch 80, 115, 140 Amp.)	
	Seal .....	714619		Ball Bearing ; Rear End .....	201CC
			1993-1980	(Bosch 65, 90 Amp.)	
				Ball Bearing ; Rear End .....	201S
			1986-1980	(Bosch 65 Amp.)	
				Ball Bearing ; Drive End .....	203S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BMW- 7 Series - 733i, 735i, 735il, 740i, 740il, 745i, 745iL, 750i, 750il, 750Li, 760i, 760Li, L7 (cont.)</b>					

## A/C COMPRESSOR

1989-1980	(Sanden SD 508) (axial)	
Ball Bearing	.....	5001KFF

## POWER STEERING

### Pump Shaft

1987-1986	L7	
Seal	.....	7013S
1986-1980	All	
Ball Bearing	.....	104CC
Seal	.....	222060

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

1992-1980	3210cc/3.2L, 3430cc/3.5L	
Repair Sleeve	.....	224250
Seal	.....	

### 8 Cylinder

2005-1993	3982cc/4.0L, 4398cc/4.4L	
Seal Viton	.....	716484
Repair Sleeve	.....	99189

### 12 Cylinder

2007-2003	5972cc/6.0L	
Seal Viton	.....	716484
Repair Sleeve	.....	99189

## CRANKSHAFT FRONT SEAL(cont)

### 12 Cylinder(cont)

2001-1988	4988cc/5.0L, 5379cc/5.4L	
Repair Sleeve; Upper	.....	222820
Repair Sleeve; Lower	.....	225530
Seal ; Upper	.....	
Seal ; Lower	.....	

## CRANKSHAFT REAR SEAL

### 6 Cylinder

1992-1980	3210cc/3.2L, 3430cc/3.5L	
Seal Viton	.....	229005
Repair Sleeve	.....	

### 8 Cylinder

2005-1993	3982cc/4.0L, 4398cc/4.4L	
Repair Sleeve	.....	99393
Seal	.....	231003

### 12 Cylinder

2007-2003	5972cc/6.0L	
Repair Sleeve	.....	99393
Seal	.....	231003
2001-1988	4988cc/5.0L, 5379cc/5.4L	
Repair Sleeve	.....	99393
Seal	.....	231003

## BMW- 8 Series - 840ci, 850ci, 850csi, 850i, Z8 Roadster

## FRONT WHEEL

2003-2000	Z8 Roadster	
Hub Assembly	.....	513172
1997-1993	All	
Hub Assembly	.....	513125
1992	All	
Hub Assembly; To 3/31/92	.....	513096
Hub Assembly; From 4/1/92	.....	513125
1991	All	
Hub Assembly	.....	513096

## REAR WHEEL

2003-1991	Z8 Roadster	
Ball Bearing	.....	511026

## REAR AXLE

### Differential

1997-1991	All	
Cone/Cup	JLM104948-JLM104910	
Repair Sleeve	.....	99177
Seal	.....	1012N

## REAR AXLE(cont)

### Pinion

1997-1991	All	
Repair Sleeve	.....	99139
Seal	.....	223520
Cone/Cup ; Outer	.....	
Cone/Cup ; Inner	.....	

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1994-1991	(ZF4HP22, ZF4HP24)	
Seal	.....	710140

### Torque Converter

1994-1991	(ZF4HP22, ZF4HP24)	
Repair Sleeve	.....	99157
Seal	.....	224052

## 5-SPEED AUTOMATIC TRANSMISSION

### Torque Converter

1997-1994	(ZF5HP24) (ZF5HP30)	
Seal	.....	224052

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## BMW- 8 Series - 840ci, 850ci, 850csi, 850i, Z8 Roadster (cont.)

<b>6-SPEED MANUAL TRANSMISSION</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Front Input Shaft</b>			<b>8 Cylinder</b>		
1997-1991	(Getrag 286)		2003-2000	4837cc/4.8L, 4941/5.0L	
Repair Sleeve	.....	99139	Repair Sleeve	.....	99393
Seal	.....		Seal	.....	231003
<b>Rear Output Shaft</b>			1997-1994 3982cc/4.0L, 4398cc/4.4L		
1997-1991	(Getrag 286)		Repair Sleeve	.....	99393
Seal Viton	.....	710279	Seal	.....	231003
<b>ALTERNATOR</b>			<b>12 Cylinder</b>		
1997-1991	(Bosch 140 Amp.)		1997-1991	4988cc/5.0L, 5379cc/5.4L, 5576/5.6L	
Ball Bearing ; Rear End	.....	201CC	Repair Sleeve	.....	99393
Ball Bearing ; Drive End	.....	303CC	Seal	.....	231003
<b>CRANKSHAFT FRONT SEAL</b>					
<b>8 Cylinder</b>					
2003-2000	4941cc/5.0L				
Seal Viton	.....	716484			
Repair Sleeve	.....	99189			
1997-1994	3982cc/4.0L, 4398cc/4.4L				
Seal Viton	.....	716484			
Repair Sleeve	.....	99189			
<b>12 Cylinder</b>					
1997-1991	4988cc/5.0L, 5379cc/5.4L, 5576/5.6L				
Repair Sleeve; Upper	.....	222820			
Repair Sleeve; Lower	.....	225530			
Seal ; Upper	.....				
Seal ; Lower	.....				

## BMW TRUCK- SUV - X3, X5

<b>FRONT WHEEL</b>			<b>AUXILIARY SHAFT</b>		
2006-2004	X3		<b>6 Cylinder</b>		
Ball Bearing	.....	510081	2007-2001	2494cc/2.5L (DOHC), 2979cc/3.0L (DOHC), 2996cc/3.0L (DOHC)	
2006-2001	X5		Seal	.....	223802
Ball Bearing	.....	510081	<b>CRANKSHAFT FRONT SEAL</b>		
2000	X5		<b>6 Cylinder</b>		
Ball Bearing ; To 4/00	.....	510080	2007-2001	2494cc/2.5L (DOHC), 2979cc/3.0L (DOHC), 2996cc/3.0L (DOHC)	
Ball Bearing ; From 4/00	.....	510081	Seal Viton	.....	716484
<b>REAR WHEEL</b>			Repair Sleeve	.....	99189
2006-2004	X3		<b>8 Cylinder</b>		
Ball Bearing	.....	511026	2006-2000	4398cc/4.4L (DOHC), 4598cc/4.6L (DOHC)	
2006-2000	X5		Seal Viton	.....	716484
Bearing Assm	.....	512226	Repair Sleeve	.....	99189
<b>5-SPEED AUTOMATIC TRANSMISSION</b>					
<b>Torque Converter</b>					
2003-2000	(ZF5HP24)				
Seal	.....	224052			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## BMW TRUCK- SUV - X3, X5 (cont.)

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2007-2001	2494cc/2.5L (DOHC), 2979cc/3.0L (DOHC), 2996cc/3.0L (DOHC)	
Seal Viton .....		229005
Repair Sleeve .....		

#### 8 Cylinder

2006-2000	4398cc/4.4L, 4619cc/4.6L	
Repair Sleeve .....		99393
Seal .....		231003

## BUICK- FRONT DRIVE - Century

### FRONT WHEEL

2005-2003	(Non-ABS)	
Hub Assembly .....		513160
2005-1997	(ABS)	
Hub Assembly .....		513121 <sup>94</sup>
1996-1994	All	
Hub Assembly .....		513087
1993-1990	All	
Hub Assembly .....		513016K <sup>96</sup>
Seal Kit .....		5698 <sup>95</sup>
1989-1985	(9.75" Disc)	
Hub Assembly .....		513011K <sup>96</sup>
Seal Kit .....		5699 <sup>95</sup>
1989-1983	(10.25" Disc)	
Hub Assembly .....		513016K <sup>96</sup>
Seal Kit .....		5698 <sup>95</sup>
1984-1983	(9.75" Disc)	
Hub Assembly .....		513011K <sup>96</sup>
Seal Kit .....		5699 <sup>95</sup>
1982	All	
Hub Assembly .....		513011K <sup>96</sup>
Seal Kit .....		5699 <sup>95</sup>

### REAR WHEEL

2005-2004	(ABS)	
Hub Assembly .....		512237
2005-2003	(Non-ABS)	
Hub Assembly .....		513018
2003-1997	(ABS) (Drum)	
Hub Assembly .....		512151
1996-1994	All	
Hub Assembly .....		512078
1993-1990	All	
Hub Assembly .....		513018
1989-1984	(JA1 Brks.)	
Hub Assembly .....		513003
1989-1984	(JA2, JA8 Brks.)	
Hub Assembly .....		513018
1983	(JA1, JA8, Brks.)	
Hub Assembly .....		513003

### REAR WHEEL(cont)

1983	(JA2 Brks.)	
Hub Assembly .....		513018
1982	All	
Hub Assembly .....		513003

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

1996-1994	All	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		3543
1993-1982	All	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		3543

#### Selector Shaft Seal/Man. Shaft

1996-1982	All	
Repair Sleeve .....		340847
Seal .....		

#### Torque Converter

1996-1982	All	
Seal .....		4072N

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2005-1984	(4T60E, 4T60, 4T65E)	
Seal .....		4072N

#### Output Shaft

2005-2000	(4T65 E)	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		100165

<sup>94</sup> Incl: Metal and Plastic Clip <sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- FRONT DRIVE - Century (cont.)**

### **4-SPEED AUTOMATIC TRANSAXLE(cont)**

#### **Output Shaft(cont)**

<b>2000-1997 (4T60E)</b>		
Repair Sleeve; RH .....	99139	
Repair Sleeve; LH .....	99139	
Seal ; RH .....	3543	
Seal ; LH .....	710096	
<b>1996-1984 All</b>		
Repair Sleeve; RH .....	99139	
Repair Sleeve; LH .....	99139	
Seal ; RH .....	3543	
Seal ; LH .....	710096	

#### **Selector Shaft Seal/Man. Shaft**

<b>2005-1984 All</b>		
Repair Sleeve .....	8792S	
Seal .....		

### **ALTERNATOR**

<b>2001-1983 All</b>		
Ball Bearing ; Rear End .....	100CC4	
Ball Bearing ; Drive End .....	203FF	

### **POWER STEERING**

#### **Pump Shaft**

<b>1991-1987 All</b>		
Seal .....	22192S	
<b>1986-1983 (integral reservoir)</b>		
Seal .....	22192S	
<b>1986-1982 (remote reservoir)</b>		
Seal .....	7013S	

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

<b>1996-1993 134/2.2L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	
<b>1992-1982 151/2.5L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	

#### **6 Cylinder**

<b>2005-1994 3.1L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	
<b>1993-1989 204/3.3L</b>		
Seal Viton .....	710162	
Repair Sleeve .....	99193	
<b>1988-1984 231/3.8L</b>		
Seal Viton .....	710162	
<b>1988-1983 173/2.8L</b>		
Seal .....	9845	
<b>1985-1982 181/3.0L</b>		
Seal .....	710163	
<b>1985-1982 260/4.3 (Diesel)</b>		
Seal .....	9845	

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

<b>1996-1993 134/2.2L</b>		
Repair Sleeve .....	99298	
Seal .....	4307V	
Seal PTFE H/D .....	5273	
<b>1992-1982 151/2.5L</b>		
Seal .....	3698	

#### **6 Cylinder**

<b>2005-1994 189/3.1L</b>		
Repair Sleeve .....	99298	
Seal .....	4307V	
Seal PTFE H/D .....	5273	
<b>1993-1989 204/3.3L</b>		
Seal Viton .....	320691	
Repair Sleeve .....		
<b>1988-1984 231/3.8L</b>		
Seal .....	5591	
Seal PTFE H/D .....	5291	
<b>1988-1983 173/2.8L</b>		
Seal .....	4307V	
Seal PTFE H/D .....	5273	
<b>1985-1982 181/3.0L</b>		
Seal .....	5591	
Seal PTFE H/D .....	5291	
<b>1985-1982 260/4.3 (Diesel)</b>		
Seal Rope .....	5095	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- FRONT DRIVE - Electra, Electra Park Avenue, LeSabre, Park Avenue**

### **FRONT WHEEL**

<b>2005-2000</b>	<b>LeSabre</b>	
	Hub Assembly .....	513121 <sup>94</sup>
<b>2005-1997</b>	<b>Park Avenue</b>	
	Hub Assembly .....	513121 <sup>94</sup>
<b>1999-1994</b>	<b>LeSabre (ABS)</b>	
	Hub Assembly .....	513087
<b>1996-1994</b>	<b>Park Avenue</b>	
	Hub Assembly .....	513087
<b>1993-1992</b>	<b>LeSabre (ABS)</b>	
	Hub Assembly .....	513087
<b>1993-1992</b>	<b>Park Avenue</b>	
	Hub Assembly .....	513087
<b>1992</b>	<b>LeSabre (Non-ABS)</b>	
	Hub Assembly .....	513088
<b>1991-1986</b>	<b>LeSabre</b>	
	Hub Assembly .....	513016K <sup>96</sup>
	Seal Kit .....	5698 <sup>95</sup>
<b>1991-1985</b>	<b>Electra Park Ave</b>	
	Hub Assembly .....	513016K <sup>96</sup>
	Seal Kit .....	5698 <sup>95</sup>
<b>1990-1985</b>	<b>Electra</b>	
	Hub Assembly .....	513016K <sup>96</sup>
	Seal Kit .....	5698 <sup>95</sup>

### **REAR WHEEL**

<b>2005-2000</b>	<b>LeSabre</b>	
	Hub Assembly .....	512003
<b>2005-1997</b>	<b>Park Avenue</b>	
	Hub Assembly .....	512003
<b>1999-1994</b>	<b>LeSabre (ABS)</b>	
	Hub Assembly .....	513062
<b>1996-1994</b>	<b>Park Avenue (ABS)</b>	
	Hub Assembly .....	513062
<b>1993-1992</b>	<b>LeSabre (ABS)</b>	
	Hub Assembly .....	513062
<b>1993-1992</b>	<b>Park Avenue (ABS)</b>	
	Hub Assembly .....	513062
<b>1992-1986</b>	<b>LeSabre (Non-ABS)</b>	
	Hub Assembly .....	513018
<b>1991</b>	<b>Electra Park Ave</b>	
	Hub Assembly .....	513062
<b>1990-1987</b>	<b>Electra (ABS)</b>	
	Hub Assembly .....	513041
<b>1990-1985</b>	<b>Electra (Non-ABS)</b>	
	Hub Assembly .....	513018
<b>1990-1985</b>	<b>Electra Park Ave</b>	
	Hub Assembly .....	513018

### **4-SPEED AUTOMATIC TRANSAXLE**

#### **Torque Converter / Frt Pump**

<b>2005-1994</b>	<b>(4T60E, 4T65E)</b>	
	Seal .....	4072N
<b>1993-1986</b>	<b>LeSabre</b>	
	Seal .....	4072N
<b>1993-1985</b>	<b>Electra Park Ave</b>	
	Seal .....	4072N

### **4-SPEED AUTOMATIC TRANSAXLE(cont)**

#### **Output Shaft**

<b>2005-1998</b>	<b>(4T65 E)</b>	
	Seal ; RH .....	3543
	Seal ; LH .....	100165
<b>1997-1994</b>	<b>(4T60E)</b>	
	Seal ; RH .....	3543
	Seal ; LH .....	710096
<b>1993-1985</b>	<b>All</b>	
	Seal ; RH .....	3543
	Seal ; LH .....	710096

#### **Selector Shaft Seal/Man. Shaft**

<b>2005-1991</b>	<b>Park Avenue</b>	
	Seal .....	8792S

### **ALTERNATOR**

<b>2001-1985</b>	<b>Electra, LeSabre, Electra Park Avenue, Park Avenue</b>	
	Ball Bearing ; Rear End .....	100CC4
	Ball Bearing ; Drive End .....	203FF

### **POWER STEERING**

#### **Pump Shaft**

<b>2002-1992</b>	<b>All</b>	
	Seal .....	7013S
<b>1991-1985</b>	<b>(integral reservoir)</b>	
	Ball Bearing .....	203FF
	Seal .....	221925
<b>1991-1985</b>	<b>(remote reservoir)</b>	
	Seal .....	7013S

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

<b>2005-1985</b>	<b>3.0L, 3.8L</b>	
	Seal Viton .....	710162
	Repair Sleeve .....	99193
<b>1985</b>	<b>260/4.3L (Diesel)</b>	
	Seal .....	472924

### **CRANKSHAFT REAR SEAL**

#### **6 Cylinder**

<b>2005-1991</b>	<b>3.8L</b>	
	Seal Viton .....	320691
	Repair Sleeve .....	5291
	Seal PTFE H/D .....	
<b>1990-1985</b>	<b>3.8L</b>	
	Seal .....	5591
<b>1985</b>	<b>181/3.0L</b>	
	Seal .....	5591
<b>1985</b>	<b>260/4.3 (Diesel)</b>	
	Seal .....	5419

<sup>94</sup> Incl: Metal and Plastic Clip <sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- FRONT DRIVE - LaCrosse**

<b>FRONT WHEEL</b>			<b>CRANKSHAFT FRONT SEAL</b>		
2007-2005	(Non-ABS)		<b>6 Cylinder</b>		
Hub Assembly	.....	513160	2006-2005	3.8L	
<b>REAR WHEEL</b>			Seal Viton	.....	710162
2007-2005	(Non-ABS)		<b>CRANKSHAFT REAR SEAL</b>		
Hub Assembly	.....	513018	<b>6 Cylinder</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			2006-2005	3.8L	
<b>Torque Convertor / Frt Pump</b>			Seal Viton	.....	320691
2006-2005	(4T65 E)		Repair Sleeve	.....	5291
Seal	.....	4072N	Seal PTFE H/D	.....	
<b>Output Shaft</b>					
2006-2005	(4T65 E)				
Seal ; RH	.....	3543			
Seal ; LH	.....	100165			
<b>Selector Shaft Seal/Man. Shaft</b>					
2005	All				
Seal	.....	8792S			

## **BUICK- FRONT DRIVE - Lucerne**

<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Torque Convertor / Frt Pump</b>			<b>6 Cylinder</b>		
2006	(4T65 E)		2006	3.8L	
Seal	.....	4072N	Seal Viton	.....	320691
2006	(4T80 E)		Seal PTFE H/D	.....	5291
Seal	.....	224840	<b>8 Cylinder</b>		
<b>Output Shaft</b>			2006	4.6L (DOHC)	
2006	(4T65 E)		Seal Viton	.....	710262
Seal ; RH	.....	3543			
Seal ; LH	.....	100165			
2006	(4T80 E)				
Seal ; RH	.....	4674N			
Seal ; LH	.....	714679			
<b>CRANKSHAFT FRONT SEAL</b>					
<b>6 Cylinder</b>					
2006	3.8L				
Seal Viton	.....	710162			

## **BUICK- FRONT DRIVE - Regal**

<b>FRONT WHEEL</b>			<b>REAR WHEEL</b>		
2004-2003	(Non-ABS)		2004	(Non-ABS)	
Hub Assembly	.....	513160	Hub Assembly	.....	513018
2004-1997	(ABS)		2004-2003	(ABS) (Disc)	
Hub Assembly	.....	513121 <sup>94</sup>	Hub Assembly	.....	512237
1996-1988	All		2003-1999	(Drum)	
Hub Assembly	.....	513044	Hub Assembly	.....	512151

<sup>94</sup> Incl: Metal and Plastic Clip

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- FRONT DRIVE - Regal (cont.)**

### **REAR WHEEL(cont)**

<b>1998-1997 (ABS) (Drum)</b>		
Hub Assembly .....	512151	
<b>1996 (1st Design)</b>		
Hub Assembly .....	512004 <sup>98</sup>	
<b>1996 (2nd Design)</b>		
Hub Assembly .....	512151 <sup>97</sup>	
<b>1995-1992 (ABS)</b>		
Hub Assembly .....	512004	
<b>1993-1988 (Non-ABS) (Disc)</b>		
Hub Assembly .....	513018	
<b>1991-1988 (ABS)</b>		
Hub Assembly .....	513042	

### **4-SPEED AUTOMATIC TRANSAXLE**

#### **Torque Converter / Frt Pump**

<b>2004-1988 (4T60E, 4T65E)</b>		
Seal .....	4072N	

#### **Output Shaft**

<b>2004-1997 (4T65 E)</b>		
Repair Sleeve; RH .....	99139	
Repair Sleeve; LH .....	99139	
Seal ; RH .....	3543	
Seal ; LH .....	100165	
<b>2000-1993 (4T60E)</b>		
Repair Sleeve; RH .....	99139	
Repair Sleeve; LH .....	99139	
Seal ; RH .....	3543	
Seal ; LH .....	710096	
<b>1998-1988 (4T40E)</b>		
Repair Sleeve; RH .....	99139	
Repair Sleeve; LH .....	99139	
Seal ; RH .....	3543	
Seal ; LH .....	710096	

#### **Selector Shaft Seal/Man. Shaft**

<b>2004-1988 All</b>		
Seal .....	8792S	

### **ALTERNATOR**

<b>1994-1993 All</b>		
Ball Bearing ; Rear End .....	100CC4	
Ball Bearing ; Drive End .....	203FF	

### **POWER STEERING**

#### **Pump Shaft**

<b>2002-1992 All</b>		
Seal .....	7013S	
<b>1991-1988 (remote reservoir)</b>		
Seal .....	7013S	

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

<b>2004-1990 3.8L</b>		
Seal Viton .....	710162	
Repair Sleeve .....	99193	

### **CRANKSHAFT FRONT SEAL(cont)**

#### **6 Cylinder(cont)**

<b>1996-1989 189/3.1L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	
<b>1989-1988 173/2.8L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	

### **CRANKSHAFT REAR SEAL**

#### **6 Cylinder**

<b>2004-1990 3.8L</b>		
Seal Viton .....	320691	
Repair Sleeve .....	5291	
Seal PTFE H/D .....		
<b>1996-1989 189/3.1L</b>		
Repair Sleeve .....	99298	
Seal .....	4307V	
Seal PTFE H/D .....	5273	
<b>1989-1988 173/2.8L</b>		
Repair Sleeve .....	99298	
Seal .....	4307V	
Seal PTFE H/D .....	5273	

<sup>97</sup> 14mm Mtg Bolt <sup>98</sup> 16mm Mtg Bolt

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BUICK- FRONT DRIVE - Riviera, Reatta</b>					
<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
1999-1997	All		<b>Selector Shaft Seal/Man. Shaft</b>		
	Hub Assembly .....	513121	1999-1980	All	
1996-1992	All			Seal .....	8792S
	Hub Assembly .....	513087	<b>ALTERNATOR</b>		
1991-1989	All		1999-1980	All	
	Hub Assembly .....	513059		Ball Bearing ; Rear End .....	100CC4
1988-1986	All			Ball Bearing ; Drive End .....	203FF
	Hub Assembly .....	513016K <sup>96</sup>	<b>POWER STEERING</b>		
	Seal Kit .....	5698 <sup>95</sup>	<b>Pump Shaft</b>		
1985-1980	All		1999-1992	All	
	Hub Assembly .....	513013		Ball Bearing .....	203FF
<b>REAR WHEEL</b>				Seal .....	7013S
1999-1991	All		1991-1986	All	
	Hub Assembly .....	512003		Ball Bearing .....	203FF
1990-1988	(ABS)			Seal .....	221925
	Hub Assembly .....	513041	1985-1980	All	
1990-1986	(Non-ABS)			Seal .....	480821
	Hub Assembly .....	513018	<b>CRANKSHAFT FRONT SEAL</b>		
1985-1980	(Drum)		<b>6 Cylinder</b>		
	Hub Assembly .....	513010	1999-1986	231/3.8L	
<b>3-SPEED AUTOMATIC TRANSAXLE</b>				Seal Viton .....	710162
<b>Output Shaft</b>				Repair Sleeve .....	99193
1985-1980	(final drive assembly)		1985-1980	231/3.8L	
	Seal .....	3907		Seal .....	710163
<b>Selector Shaft Seal/Man. Shaft</b>			1984-1981	252/4.1L	
1985-1980	All			Seal .....	471424
	Seal .....	8792S	<b>8 Cylinder</b>		
<b>Torque Converter</b>			1985-1980	307/5.0L	
1985-1982	All			Seal .....	472082
	Repair Sleeve .....	99174	1985-1980	350/5.7L (Diesel)	
	Seal .....	3227		Seal .....	472082
1981-1980	All		1980	350/5.7L	
	Repair Sleeve .....	99187		Seal .....	472082
	Seal .....	6712NA	<b>CRANKSHAFT REAR SEAL</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>6 Cylinder</b>		
<b>Torque Converter / Frt Pump</b>			1999-1989	231/3.8L	
1999-1986	(4T60E, 4T65E)			Seal Viton .....	320691
	Seal .....	4072N		Repair Sleeve .....	
1985-1980	All		1988-1980	231/3.8L	
	Repair Sleeve .....	99174		Seal .....	5591
	Seal .....	3227	1984-1981	252/4.1L	
<b>Output Shaft</b>				Seal .....	5591
1999-1997	All			Seal PTFE H/D .....	5291
	Seal ; RH .....	3543	<b>8 Cylinder</b>		
	Seal ; LH .....	100165	1985-1980	307/5.0L	
1996-1995	All			Seal Rope .....	5095
	Seal ; RH .....	710096	1985-1980	350/5.7L (Diesel)	
	Seal ; LH .....	100165		Seal .....	5591
1993-1980	All		1980	350/5.7L	
	Seal ; RH .....	3543		Seal .....	5591
	Seal ; LH .....	710096			

<sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BUICK- FRONT DRIVE - Skyhawk</b>					
<b>FRONT WHEEL</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
1989-1985	All		<b>Output Shaft</b>		
	Hub Assembly .....	513017K <sup>96</sup>	1989-1983	All	
	Seal Kit .....	5697 <sup>95</sup>		Repair Sleeve; RH .....	99139
1984	All			Repair Sleeve; LH .....	99139
	Seal Kit .....	5697 <sup>95</sup>		Seal ; RH .....	3543
	Hub Assembly; 10m Mtg Fl .....	513004K <sup>96</sup>		Seal ; LH .....	3543
	Hub Assembly; 12m Mtg Fl .....	513017K <sup>96</sup>		Cone/Cup ; RH .....	32206
1983-1982	All			Cup/Cone; LH .....	A5
	Hub Assembly .....	513004K <sup>96</sup>	<b>Selector Shaft Seal/Man. Shaft</b>		
	Seal Kit .....	5697 <sup>95</sup>	1989-1983	All	
<b>REAR WHEEL</b>				Seal .....	3667
1989-1982	All		<b>Input Shaft</b>		
	Hub Assembly .....	513012	1989-1983	All	
<b>3-SPEED AUTOMATIC TRANSAXLE</b>				Cone/Cup ; Rr .....	30306
<b>Output Shaft</b>				Cone/Cup ; Frt .....	32206
1989-1982	All			Seal ; Frt .....	222835
	Repair Sleeve .....	99139		Repair Sleeve; Frt .....	
	Seal .....	3543	<b>ALTERNATOR</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			1989-1987	All	
1989-1984	All			Ball Bearing ; Rear End .....	100CC4
	Seal .....	8792S		Ball Bearing ; Drive End .....	203FF
<b>Torque Converter</b>			1986-1983	All	
1989-1982	All			Ball Bearing ; Drive End .....	203FF
	Seal .....	4072N		Needle Bearing; Rear End .....	MNJ471S
<b>4-SPEED MANUAL TRANSAXLE</b>			1982	All	
<b>Differential</b>				Ball Bearing ; Drive End .....	203S
1987-1982	All			Needle Bearing; Rear End .....	MNJ471S
	Cup/Cone .....	A18	<b>POWER STEERING</b>		
<b>Output Shaft</b>			<b>Pump Shaft</b>		
1987-1982	All		1989-1982	All	
	Repair Sleeve .....	99139		Seal .....	221925
	Seal .....	3543	<b>Worm Shaft</b>		
	Cup/Cone .....	A5	1989-1982	(Exc. H/D, Touring Suspension)	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal .....	222510
1987-1982	All		<b>CAMSHAFT SEAL</b>		
	Repair Sleeve .....	472705	<b>4 Cylinder</b>		
	Seal .....		1988-1987	122/2.0L	
<b>Input Shaft</b>				Seal Viton .....	1108
1987-1982	All			Repair Sleeve .....	99139
	Repair Sleeve .....	3732S	1986-1982	112/1.8L J (Turbo or 0 Code)	
	Seal .....	A4		Seal Viton .....	1108
	Cup/Cone .....			Repair Sleeve .....	99139
<b>5-SPEED MANUAL TRANSAXLE</b>			<b>CRANKSHAFT FRONT SEAL</b>		
<b>Differential</b>			<b>4 Cylinder</b>		
1989-1983	All		1989-1983	122/2.0L	
	Cone/Cup .....	32008		Repair Sleeve .....	99176
				Seal .....	9845
			1986-1982	112/1.8L J (Turbo)	
				Seal Viton .....	710164
				Repair Sleeve .....	99128

<sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- FRONT DRIVE - Skyhawk (cont.)**

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1983-1982	112/1.8L	
Repair Sleeve .....		99176
Seal .....		9845
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1989-1983	122/2.0L (2nd design) (11mmthick, castin O on RR of case)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
1988-1987	122/2.0L M and K	
Seal Viton .....		710237
1986-1982	112/1.8L J (Turbo or 0 Code)	
Seal Viton .....		710232

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1984-1983	122/2.0L (1st design) (5.5mmwidth)	
Seal .....		5210
1982	112/1.8L G (1st design) (5.5mm thick)	
Seal .....		5210
1982	112/1.8L G code (2nddesign) (11mm thic)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

## **BUICK- FRONT DRIVE - Skylark, Somerset, Somerset Regal**

<b>FRONT WHEEL</b>		
1998-1985	All	
Hub Assembly .....		513017K <sup>96</sup>
Seal Kit .....		5697 <sup>95</sup>
1984-1980	All	
Hub Assembly .....		513011K <sup>96</sup>
Seal Kit .....		5699 <sup>95</sup>
<b>REAR WHEEL</b>		
1998-1991	(ABS)	
Hub Assembly .....		512001
1991-1980	(Non-ABS)	
Hub Assembly .....		513012
<b>CLUTCH</b>		
<b>Release Bearing</b>		
1991-1988	Skylark 4 Cyl Quad 4, 5 Spd	
Bearing Assembly .....		614069
<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Output Shaft</b>		
1995-1980	All	
Repair Sleeve .....		99139
Seal .....		3543
<b>Selector Shaft Seal/Man. Shaft</b>		
1995-1980	All	
Seal .....		8792S
<b>Torque Converter</b>		
1995-1980	(THM125)	
Seal .....		4072N
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Torque Converter / Frt Pump</b>		
1998-1994	(4T60E)	
Seal .....		4072N

<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Output Shaft</b>		
1998-1994	All	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		710096
<b>Selector Shaft Seal/Man. Shaft</b>		
1998-1994	All	
Seal .....		8792S
<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1985-1980	All	
Cup/Cone .....		A18
<b>Output Shaft</b>		
1998-1995	All	
Seal ; RH .....		3543
Seal ; LH .....		710096
<b>Selector Shaft Seal/Man. Shaft</b>		
1985-1980	All	
Seal .....		3667
<b>Input Shaft</b>		
1985-1980	All	
Cone/Cup ; Rr .....		15101-15245
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		
<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1987-1985	All	
Cone/Cup .....		32008

<sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- FRONT DRIVE - Skylark, Somerset, Somerset Regal (cont.)**

### **5-SPEED MANUAL TRANSAXLE(cont)**

#### **Output Shaft**

1987-1985	All	
Repair Sleeve	.....	99139
Seal	.....	3543
Cup/Cone	.....	A5

#### **Selector Shaft Seal/Man. Shaft**

1987-1985	All	
Seal	.....	3667

#### **Input Shaft**

1987-1985	All	
Cone/Cup ; Rr	.....	30306
Cone/Cup ; Frt	.....	32206
Seal ; Frt	.....	222835
Repair Sleeve; Frt	.....	

### **ALTERNATOR**

1998-1980	All	
Ball Bearing ; Rear End	.....	100CC4
Ball Bearing ; Drive End	.....	203FF

### **CAMSHAFT SEAL**

#### **4 Cylinder**

1997-1996	146/2.4L	
Seal ; Frt	.....	223605

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

1997-1996	146/2.4L	
Seal Viton	.....	320259
Repair Sleeve	.....	99199
1995-1988	138/2.3L	
Seal Viton	.....	320259
Repair Sleeve	.....	99199
1991-1980	151/2.5L	
Repair Sleeve	.....	99176
Seal	.....	9845

#### **6 Cylinder**

1998-1994	189/3.1L	
Seal	.....	9845

### **CRANKSHAFT FRONT SEAL(cont)**

#### **6 Cylinder(cont)**

1993-1989	204/3.3L	
Seal Viton	.....	710162
1988-1985	181/3.0L	
Seal Viton	.....	710162
1985-1980	173/2.8L	
Seal	.....	9845

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

1998-1996	146/2.4L	
Seal	.....	40375
1995-1988	138/2.3L	
Seal	.....	40375
1991-1980	151/2.5L	
Seal	.....	3698

#### **6 Cylinder**

1998-1994	189/3.1L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
1993-1989	204/3.3L	
Seal Viton	.....	320691
Repair Sleeve	.....	
1988-1985	181/3.0L	
Seal	.....	5591
Seal PTFE H/D	.....	5291
1985-1980	173/2.8L	
Seal	.....	5210

## **BUICK- REAR DRIVE - Centurian, Electra, Estate Wagon, LeSabre, Limited, Super, Wildcat**

### **FRONT WHEEL**

1990-1980	All	
Seal ; Inner	.....	8871
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A3

### **REAR WHEEL**

1989-1980	Estate Wagon (8.75" R.G.)	
Seal	.....	8835S
Cyl Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BUICK - REAR DRIVE - Centurian, Electra, Estate Wagon, LeSabre, Limited, Super, Wildcat (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>1985-1982</b>	<b>LeSabre</b>	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>1984-1982</b>	<b>Electra</b>	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>1981-1980</b>	<b>Electra (Chevrolet C Axle) (7.5", 8.5" R.G.)</b>	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>1981-1980</b>	<b>Electra (Pontiac P Axle) (8.5", 8.875" R.G.)</b>	
Seal .....		8835S
Cyl Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1981-1980</b>	<b>Estate Wagon (Chevrolet C Axle) (7.5", 8.5", 8.75" R.G.)</b>	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>1981-1980</b>	<b>LeSabre (8.75" R.G.)</b>	
Seal .....		8835S
Cyl Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1981-1980</b>	<b>LeSabre (Chevrolet C Axle) (7.5", 8.5", 8.7 R.G.)</b>	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>1989-1980</b>	<b>(7.5", 8.5" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1983-1980</b>	<b>(8.75" R.G.)</b>	
Cup/Cone .....		A36
<b>Pinion</b>		
<b>1989-1980</b>	<b>Estate Wagon</b>	
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1985-1980</b>	<b>LeSabre</b>	
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1984-1980</b>	<b>Electra</b>	
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89449-HM89410

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1987-1980</b>	<b>Electra, Estate Wagon, LeSabre,(THM200 200C, 250C, 350,350C)</b>	
Seal .....		9613S
Seal Kit .....		5200
<b>1981-1980</b>	<b>Electra, Estate Wagon, LeSabre,(THM375 400)</b>	
Seal .....		9449
Seal Kit .....		5208
<b>1980</b>	<b>Estate Wagon, LeSabre (THM250)</b>	
Seal .....		3907
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1987-1980</b>	<b>All</b>	
Seal .....		8792S
<b>Torque Converter</b>		
<b>1984-1982</b>	<b>Estate Wagon, LeSabre (THM200, 200C)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1984-1980</b>	<b>Electra, Estate Wagon, LeSabre,(THM250C, 250, 325, 350, 350C,375, 400)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1990-1982</b>	<b>Electra, Estate Wagon, LeSabre (O/D) (THM2004R)</b>	
Seal ; Rr .....		9613S
<b>1990-1982</b>	<b>Electra, Estate Wagon, LeSabre (w/o O/D) (THM350RL)</b>	
Seal ; Rr .....		9613S
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1990-1982</b>	<b>Electric, Estate Wagon, LeSabre</b>	
Seal .....		8792S
<b>Torque Converter</b>		
<b>1990-1982</b>	<b>Electra, Estate Wagon, LeSabre (O/D) (THM2004R)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1984-1982</b>	<b>Electra, Estate Wagon, LeSabre (w/o O/D) (THM350RL)</b>	
Repair Sleeve .....		99174
Seal .....		3227

<b>GENERATOR / ALTERNATOR</b>		
<b>1990-1980</b>	<b>All</b>	
Ball Bearing ; Drive End .....		203F
Needle Bearing; Rear End .....		MNJ471S

<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
<b>1990-1980</b>	<b>All</b>	
Seal .....		7013S

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BUICK- REAR DRIVE - Centurian, Electra, Estate Wagon, LeSabre, Limited, Super, Wildcat (cont.)</b>					

## POWER STEERING(cont)

### Worm Shaft

1990-1980	All	
Seal .....		222025

### Pitman Shaft

1989-1980	All	
Seal ; Inner .....		471413
Seal ; Outer .....		7412S
Seal Kit .....		PSK1

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

1985-1980	231/3.8L	
Seal .....		710163
1984-1980	252/4.1L	
Seal .....		471424

### 8 Cylinder

1990-1981	307/5.0L	
Seal .....		472082
1985-1980	350/5.7L (Diesel)	
Seal .....		472082
1980	301/4.9	
Seal .....		332062
1980	350/5.7L	
Seal .....		710173

## CRANKSHAFT REAR SEAL

### 6 Cylinder

1985-1980	231/3.8L	
Seal .....		5591
Seal PTFE H/D .....		5291
1984-1980	252/4.1L	
Seal .....		5591
Seal PTFE H/D .....		5291

### 8 Cylinder

1990-1988	307/5.0L	
Seal Rope .....		5095
1987-1981	307/5.0L	
Seal Rope .....		5095
1985-1980	350/5.7L (Diesel)	
Seal Rope .....		5095
1980	350/5.7L	
Seal .....		5591
Seal PTFE H/D .....		5291
1980	350/5.7L code (L)	
Seal .....		5092

## BUICK- REAR DRIVE - Century, GS, Skylark, Skylark Gran Sport, Special, Sportswagon

## FRONT WHEEL

1981-1980	All	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

## REAR WHEEL

1981-1980	All	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

## REAR AXLE

### Differential

1981-1980	Century (7.5" R.G.)	
Cone/Cup .....		LM501349-LM501314

### Pinion

1981-1980	Century (7.5" R.G.) (3.00" Brg.)	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89449-HM89410
1981-1980	Century (7.5" R.G.) (3.00" Brg. O.D.)	
Seal .....		8611N

## REAR AXLE(cont)

### Pinion(cont)

1981-1980	Century (7.5" R.G.) (3.125" Brg.)	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210
1981-1980	Century (7.5" R.G.) (3.125" Brg. O.D.)	
Seal .....		8611N

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1981-1980	(THM200, 350, 350C)	
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

1981-1980	All	
Seal .....		8792S

### Torque Converter

1981-1980	(THM200)	
Seal .....		3227
1981-1980	(THM350, 350C, 400)	
Seal .....		6712NA

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BUICK- REAR DRIVE - Century, GS, Skylark, Skylark Gran Sport, Special, Sportswagon (cont.)</b>					

<b>3-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1981-1980	All	
Seal .....		24073S
<b>Front Input Shaft</b>		
1981-1980	All	
Seal .....		7412S
<b>Rear Output Shaft</b>		
1981-1980	All	
Seal .....		9613S
<b>GENERATOR / ALTERNATOR</b>		
1981-1980	All	
Ball Bearing ; Drive End .....		203F
Needle Bearing; Rear End .....		MNJ471S
<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
1981-1980	All	
Seal .....		7013S
<b>Worm Shaft</b>		
1981-1980	(605 Gear) (round side cover)	
Seal .....		351267
<b>Pitman Shaft</b>		
1981-1980	(605 Gear) (round side cover)	
Seal .....		710285
1981-1980	(800 Gear) (4 bolt side cover)	
Seal ; Inner .....		471413
Seal ; Outer .....		7412S
Seal Kit .....		PSK1
<b>MANUAL STEERING</b>		
<b>Worm Shaft</b>		
1981-1980	All	
Seal .....		7013S
<b>Pitman Shaft</b>		
1981-1980	All	
Seal .....		313842

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
1985-1982	4.3L (Diesel)	
Seal .....		9845
1981-1980	231/3.8L	
Seal .....		710163
<b>8 Cylinder</b>		
1981	350/5.7L (Diesel)	
Seal .....		472082
1981-1980	305/5.0L	
Seal .....		9845
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1985-1982	4.3L (Diesel)	
Seal Rope .....		5095
1981-1980	231/3.8L	
Seal .....		5591
<b>8 Cylinder</b>		
1981	350/5.7L (Diesel)	
Seal Rope .....		5095
1981-1980	305/5.0L	
Seal .....		5591

## BUICK- REAR DRIVE - Regal

<b>FRONT WHEEL</b>		
1987-1982	All	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34
1981-1980	All	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

<b>REAR WHEEL</b>		
1987-1980	All	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>REAR AXLE</b>		
<b>Differential</b>		
1987-1980	(7.5" R.G.)	
Cone/Cup .....		LM501349-LM501314

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>BUICK- REAR DRIVE - Regal (cont.)</b>					
<b>REAR AXLE(cont)</b>			<b>GENERATOR / ALTERNATOR</b>		
<b>Differential(cont)</b>			1981-1980 All		
1987-1980	(8.5" R.G.)		Ball Bearing ; Drive End .....		203F
Cone/Cup .....		LM501349-LM501314	Needle Bearing; Rear End .....		MNJ471S
<b>Pinion</b>			<b>POWER STEERING</b>		
1987-1980	(7.5" R.G., 7.625" R.G.)		<b>Pump Shaft</b>		
Seal .....		8611N	1981-1980 All		
Cone/Cup ; Outer .....		M86649-M86610	Seal .....		7013S
Cone/Cup ; Inner .....		HM89249-HM89210	<b>Worm Shaft</b>		
<b>3-SPEED AUTOMATIC TRANSMISSION</b>			1981-1980 (605 Gear) (round side cover)		
<b>Rear Seal/Ext. Housing</b>			Seal .....		351267
1987-1980	(THM200, 350, 350C)		<b>Pitman Shaft</b>		
Seal .....		9613S	1987-1980 (800 Gear) (4 bolt side cover)		
Seal Kit .....		5200	Seal ; Inner .....		471413
<b>Selector Shaft Seal/Man. Shaft</b>			Seal ; Outer .....		7412S
1987-1980	All		Seal Kit .....		PSK1
Seal .....		8792S	1981-1980 (605 Gear) (round side cover)		
<b>Torque Converter</b>			Seal .....		710285
1987-1980	(THM200)		<b>CRANKSHAFT FRONT SEAL</b>		
Repair Sleeve .....		99174	<b>6 Cylinder</b>		
Seal .....		3227	1987-1986 231/3.8L		
1987-1980	(THM350, 350C, 400)		Seal Viton .....		710162
Repair Sleeve .....		99187	1985-1980 231/3.8L		
Seal .....		6712NA	Seal .....		710163
<b>4-SPEED AUTOMATIC TRANSMISSION</b>			1984-1982 252/4.1L		
<b>Rear Seal/Ext. Housing</b>			Seal .....		471424
1987-1983	(THM2004R)		1984-1982 260ci/4.3L Diesel		
Seal Kit .....		5200	Seal .....		9845
Seal ; Rr .....		9613S	1980 301/4.9		
<b>Selector Shaft Seal/Man. Shaft</b>			Seal .....		710163
1987-1983	All		<b>8 Cylinder</b>		
Seal .....		8792S	1987-1986 307/5.0L		
<b>Torque Converter</b>			Seal .....		472082
1987-1983	(THM2004R)		1985-1980 305ci/5.0L		
Repair Sleeve .....		99174	Seal .....		9845
Seal .....		3227	1983-1981 350/5.7L (Diesel)		
<b>3-SPEED MANUAL TRANSMISSION</b>			Seal .....		472082
<b>Selector Shaft Seal/Man. Shaft</b>			1982-1981 267/4.4L		
1981-1980	All		Seal .....		9845
Repair Sleeve .....		240735	<b>CRANKSHAFT REAR SEAL</b>		
Seal .....			<b>6 Cylinder</b>		
<b>Front Input Shaft</b>			1987-1980 231/3.8L		
1981-1980	All		Seal .....		5591
Seal .....		7412S	Seal PTFE H/D .....		5291
<b>Rear Output Shaft</b>			1984-1982 252/4.1L		
1981-1980	All		Seal .....		5591
Seal .....		9613S	Seal PTFE H/D .....		5291
			1984-1982 260ci/4.3L Diesel		
			Seal Rope .....		5095
			1980 301/4.9		
			Seal .....		5591
			Seal PTFE H/D .....		5291

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- REAR DRIVE - Regal (cont.)**

### **CRANKSHAFT REAR SEAL(cont)**

#### **8 Cylinder**

<b>1987-1986</b>	<b>307/5.0L</b>		
Seal Rope .....		5095	
<b>1985-1980</b>	<b>305ci/5.0L</b>		
Seal .....		5092	
<b>1983-1981</b>	<b>350/5.7L (Diesel)</b>		
Seal Rope .....		5095	
<b>1982-1981</b>	<b>267/4.4L</b>		
Seal .....		5092	

## **BUICK- REAR DRIVE - Roadmaster Estate Wagon, Roadmaster Sedan**

### **FRONT WHEEL**

<b>1996-1991</b>	<b>All</b>		
Seal ; Inner .....		4739	
Cup/Cone; Inner .....		A6	
Cup/Cone; Outer .....		A3	

### **REAR WHEEL**

<b>1996-1991</b>	<b>(Sedan)</b>		
Seal ; Inner .....		8660S	
Cyl Bearing ; Inner .....		5707	
Optional Repair Bearing .....		RP5707 <sup>91</sup>	
<b>1996-1991</b>	<b>(Wagon)</b>		
Seal ; Inner .....		8835S	
Cyl Bearing ; Inner .....		6408	
Optional Repair Bearing .....		RP6408 <sup>91</sup>	

### **REAR AXLE**

#### **Differential**

<b>1996-1991</b>	<b>All</b>		
Cone/Cup .....		LM501349-LM501314	

#### **Pinion**

<b>1996-1991</b>	<b>All</b>		
Seal .....		2043	
Cone/Cup ; Outer .....		M88048-M88010	
Cone/Cup ; Inner .....		M802048-M802011	

### **4-SPEED AUTOMATIC TRANSMISSION**

#### **Rear Seal/Ext. Housing**

<b>1996-1991</b>	<b>(4L60, 4L60E, 4L65E)</b>		
Seal .....		9613S	
Seal Kit .....		5200	

#### **Selector Shaft Seal/Man. Shaft**

<b>1996-1991</b>	<b>(4L60, 4L60E, 4L65E)</b>		
Seal .....		8792S	

#### **Torque Converter**

<b>1996-1991</b>	<b>(4L60, 4L60E, 4L65E)</b>		
Repair Sleeve .....		99174	
Seal .....		3227	

### **GENERATOR / ALTERNATOR**

<b>1996-1991</b>	<b>All</b>		
Ball Bearing ; Rear End .....		100CC4	
Ball Bearing ; Drive End .....		203FF	

### **A/C COMPRESSOR**

<b>1996-1991</b>	<b>All</b>		
Ball Bearing .....		907257	
Needle Bearing; Frt Head .....		S128	

### **POWER STEERING**

#### **Pump Shaft**

<b>1996-1991</b>	<b>All</b>		
Seal .....		480821	

#### **Worm Shaft**

<b>1996-1991</b>	<b>All</b>		
Seal .....		222025	

#### **Pitman Shaft**

<b>1996-1991</b>	<b>All</b>		
Seal Kit .....		PSK1	

### **CRANKSHAFT REAR SEAL**

#### **8 Cylinder**

<b>1996-1991</b>	<b>305/5.0L, 350/5.7L</b>		
Seal Viton .....		4359V	
Seal PTFE H/D .....			

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK- REAR DRIVE - Skyhawk**

### **FRONT WHEEL**

1980	All	
Seal ; Inner .....		8705S
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A1

### **REAR WHEEL**

1980	All	
Seal .....		8660S
Cyl Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

### **REAR AXLE**

#### **Differential**

1980	All	
Cone/Cup .....		LM501349-LM501314

#### **Pinion**

1980	All	
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		

### **3-SPEED AUTOMATIC TRANSMISSION**

#### **Rear Seal/Ext. Housing**

1980	All	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### **Selector Shaft Seal/Man. Shaft**

1980	All	
Repair Sleeve .....		340847
Seal .....		

#### **Torque Converter**

1980	(THM350, 350C)	
Repair Sleeve .....		99187
Seal .....		6712NA

### **4-SPEED MANUAL TRANSMISSION**

#### **Selector Shaft Seal/Man. Shaft**

1980	All	
Repair Sleeve .....		240735
Seal .....		

#### **Input Shaft**

1980	All	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S

#### **Rear Output Shaft**

1980	All	
Ball Bearing .....		9613S
Seal .....		5200
Seal Kit .....		

### **GENERATOR / ALTERNATOR**

1980	All	
Ball Bearing ; Drive End .....		203F
Needle Bearing; Rear End .....		MNJ471S

### **POWER STEERING**

#### **Pump Shaft**

1980	All	
Seal .....		480821

#### **Worm Shaft**

1980	(800 Gear) (4 bolt side cover)	
Seal .....		351267

#### **Pitman Shaft**

1980	(800 Gear) (4 bolt side cover)	
Seal ; Inner .....		471413
Seal ; Outer .....		7412S
Seal Kit .....		PSK1

### **MANUAL STEERING**

#### **Worm Shaft**

1980	All	
Seal .....		7013S

#### **Pitman Shaft**

1980	All	
Seal .....		313842

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

1980	231/3.8L	
Seal .....		710163

### **CRANKSHAFT REAR SEAL**

#### **6 Cylinder**

1980	231/3.8L	
Seal .....		5591

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK TRUCK- MINIVAN - Terraza**

<b>REAR WHEEL</b>		
2005	(Indep. Rr. Susp.) (Triangular Flange)	
	Hub Assembly .....	513186
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Torque Converter / Frt Pump</b>		
2006-2005	(4T65 E)	
	Seal .....	4072N
<b>Output Shaft</b>		
2006-2005	(4T65 E)	
	Seal ; RH .....	3543
	Seal ; LH .....	100165
<b>TRANSFER CASE</b>		
<b>Front Output Shaft</b>		
2006-2005	All	
	Cone/Cup .....	32006
<b>Mainshaft</b>		
2006-2005	All	
	Cone/Cup .....	32006

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2006	3.9L	
	Seal .....	9845
2006-2005	3.5L	
	Seal .....	9845
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2006	3.9L	
	Seal .....	4307V
	Seal PTFE H/D .....	5273
2006-2005	3.5L	
	Seal .....	4307V
	Seal PTFE H/D .....	5273

## **BUICK TRUCK- SUV - Rainier**

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2007-2004	All	
	Hub Assembly .....	513188
<b>4WD/AWD</b>		
2007-2004	All	
	Hub Assembly .....	513188
<b>REAR WHEEL</b>		
2007-2004	All	
	Seal .....	4762N
	Cyl Bearing .....	513067
	Optional Repair Bearing .....	RP513067 <sup>91</sup>
<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
2007-2004	All	
	Cup/Cone .....	A18
<b>Pinion</b>		
2007-2004	All	
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	

<b>4WD FRONT AXLE(cont)</b>		
<b>Axle Shaft</b>		
2007-2004	AAM ICA-7.25" R.G. (1.3125" Shaft)	
	Seal .....	710491
	Needle Bearing; Outer .....	SCH78
	Needle Bearing; Pilot .....	B2010
	Needle Bearing; Inner .....	
2007-2004	AAM ICA-7.25" R.G. (1.5748" Shaft)	
	Seal .....	710491
	Needle Bearing; Outer .....	SCH78
	Needle Bearing; Pilot .....	HK4012
	Needle Bearing; Inner .....	
<b>REAR AXLE</b>		
<b>Differential</b>		
2007-2004	(8.625" R.G.)	
	Cup/Cone .....	A36
2005-2004	(7.5" R.G., 7.625" R.G.)	
	Cone/Cup .....	LM501349-LM501314
<b>Pinion</b>		
2007-2004	(8.625" R.G.)	
	Seal .....	710506
	Cone/Cup ; Outer .....	M86649-M86610

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **BUICK TRUCK- SUV - Rainier (cont.)**

### **REAR AXLE(cont)**

#### **Pinion(cont)**

2005-2004	(7.5" R.G., 7.625" R.G.)	
Seal .....		710506
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	

### **4-SPEED AUTOMATIC TRANSMISSION**

#### **Rear Seal/Ext. Housing**

2006-2004	(4L60, 4L60E, 4L65E)	
Seal .....		9613S
Seal Kit .....		5200

#### **Selector Shaft Seal/Man. Shaft**

2006-2004	(4L60, 4L60E, 4L65E)	
Seal .....		8792S

#### **Torque Converter**

2006-2004	(4L60, 4L60E, 4L65E)	
Seal .....		3227

### **CRANKSHAFT REAR SEAL**

#### **8 Cylinder**

2007-2004	323ci/5.3L, 325ci/5.3L	
Seal .....		100085

## **BUICK TRUCK- SUV - Rendezvous**

### **FRONT WHEEL**

2006-2003	(Non-ABS)	
Hub Assembly .....		513235
2006-2002	(ABS)	
Hub Assembly .....		513121

### **REAR WHEEL**

2006-2003	(Non-ABS) (Disc)	
Hub Assembly .....		512236
2006-2002	(ABS) (Disc)	
Hub Assembly .....		512222

### **4 W D / A W D**

2006-2002	All	
Hub Assembly .....		513121

### **4-SPEED AUTOMATIC TRANSAXLE**

#### **Torque Converter / Frt Pump**

2006-2002	(4T65 E)	
Seal .....		4072N

#### **Output Shaft**

2006-2002	(4T65 E)	
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		100165

#### **Selector Shaft Seal/Man. Shaft**

2005-2002	(4T65 E)	
Repair Sleeve .....		8792S
Seal .....		

### **TRANSFER CASE**

#### **Front Output Shaft**

2006-2002	All	
Cone/Cup .....		32006

### **TRANSFER CASE(cont)**

#### **Mainshaft**

2006-2002	All	
Cone/Cup .....		32006

### **POWER STEERING**

#### **Pump Shaft**

2002	All	
Seal .....		7013S

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

2006	3.5L	
Seal .....		9845
2004-2002	207/3.4L	
Repair Sleeve .....		99176
Seal .....		9845

### **CRANKSHAFT REAR SEAL**

#### **6 Cylinder**

2006	3.5L	
Seal .....		4307V
Seal PTFE H/D .....		5273
2005-2002	3.4L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - Allante

<b>FRONT WHEEL</b>			<b>A/C COMPRESSOR</b>		
1993	All		1993-1987	(Frigidaire R4) (Harrison DA6, V5,HR6)	
	Hub Assembly .....	513087		Ball Bearing .....	907257
1992-1989	All		<b>POWER STEERING</b>		
	Hub Assembly .....	513059	<b>Pump Shaft</b>		
1988-1987	All		1993-1992	All	
	Hub Assembly .....	513016K <sup>96</sup>		Seal .....	7013S
<b>REAR WHEEL</b>			1991-1987	All	
1993	All			Seal .....	221925
	Hub Assembly .....	512006	<b>Worm Shaft</b>		
1992-1991	All		1990-1987	All	
	Hub Assembly .....	512003		Seal .....	222510
1990-1987	All		<b>CRANKSHAFT FRONT SEAL</b>		
	Hub Assembly .....	513041	<b>8 Cylinder</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			1993	281/4.6L	
<b>Torque Convertor / Frt Pump</b>				Seal Viton .....	99199
1993	All			Repair Sleeve .....	
	Repair Sleeve .....	99189	1992-1989	273/4.5L	
	Seal .....	224840		Repair Sleeve .....	99199
1992-1987	All			Seal .....	471424
	Seal .....	4072N	1988-1987	250/4.1L	
<b>Output Shaft</b>				Seal .....	471424
1993	All		<b>CRANKSHAFT REAR SEAL</b>		
	Repair Sleeve; RH .....	4674N	<b>8 Cylinder</b>		
	Repair Sleeve; LH .....	714679	1993	281/4.6L	
	Seal ; RH .....			Seal Viton .....	710262
	Seal ; LH .....		1992-1989	273/4.5L	
1992-1987	All			Seal Viton .....	710075
	Repair Sleeve; RH .....	99139	1988-1987	250/4.1L	
	Repair Sleeve; LH .....	99139		Seal Viton .....	710075
	Seal ; RH .....	3543			
	Seal ; LH .....	710096			
<b>Selector Shaft Seal/Man. Shaft</b>					
1993-1987	All				
	Seal .....	8792S			
<b>ALTERNATOR</b>					
1991-1987	All				
	Ball Bearing ; Rear End .....	100CC4			
	Ball Bearing ; Drive End .....	203FF			

## CADILLAC- FRONT DRIVE - Cimarron

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
1988-1985	All		1983-1982	All	
	Hub Assembly .....	513017K <sup>96</sup>		Hub Assembly .....	513004K <sup>96</sup>
	Seal Kit .....	5697 <sup>95</sup>		Seal Kit .....	5697 <sup>95</sup>
1984	All		<b>REAR WHEEL</b>		
	Seal Kit .....	5697 <sup>95</sup>	1988-1982	All	
	Hub Assembly; 10m Mtg Fl .....	513004K <sup>96</sup>		Hub Assembly .....	513012
	Hub Assembly; 12m Mtg Fl .....	513017K <sup>96</sup>			

<sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - Cimarron (cont.)

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

1988-1982 (THM125C)	
Repair Sleeve .....	99139
Seal .....	3543

#### Selector Shaft Seal/Man. Shaft

1988-1982 (THM125C)	
Repair Sleeve .....	8792S
Seal .....	

#### Torque Converter

1988-1982 (THM125C)	
Repair Sleeve .....	4072N
Seal .....	

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1986-1982 All	
Cup/Cone .....	A18

#### Output Shaft

1986-1982 All	
Repair Sleeve .....	99138
Seal .....	3543
Cup/Cone .....	A5

#### Selector Shaft Seal/Man. Shaft

1985-1982 All	
Seal .....	47270S

#### Input Shaft

1986-1982 All	
Cone/Cup ; Rr .....	15101-1524S
Seal ; Frt .....	3732S
Cup/Cone; Frt .....	A4

### 5-SPEED MANUAL TRANSAXLE

1988-1983 (Isuzu )	
Cone/Cup .....	32008

#### Differential

1988-1987 (Muncie)	
Cup/Cone .....	A18

#### Output Shaft

1988-1987 (Muncie)	
Repair Sleeve .....	99138
Seal .....	3543
1987-1983 (Isuzu )	
Cone/Cup .....	32206
Repair Sleeve .....	99138
Seal .....	3543

#### Selector Shaft Seal/Man. Shaft

1988-1987 (Muncie)	
Seal .....	3667
1987-1983 (Isuzu )	
Seal .....	3667

#### Input Shaft

1988-1987 (Muncie)	
Seal ; Frt .....	22283S

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Input Shaft(cont)

1987-1983 (Isuzu )	
Cone/Cup ; Rr .....	30306
Cone/Cup ; Frt .....	32206
Seal ; Frt .....	22283S

### ALTERNATOR

1986-1983 All	
Ball Bearing ; Drive End .....	203FF
Needle Bearing; Rear End .....	MNJ471S
1982 All	
Ball Bearing ; Drive End .....	203S
Needle Bearing; Rear End .....	MNJ471S

### A/C COMPRESSOR

1988-1982 (Frigidaire R4) (Harrison DA6, V5,HR6)	
Ball Bearing .....	907257

### POWER STEERING

#### Pump Shaft

1988-1985 All	
Ball Bearing .....	203FF
Seal .....	22192S
1984-1982 All	
Seal .....	7013S

#### Worm Shaft

1984-1982 All	
Seal .....	222510

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1986-1983 121/2.0/L	
Seal .....	984S
1982 112/1.8L	
Seal .....	984S

#### 6 Cylinder

1988-1985 173/2.8L	
Seal .....	984S

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1986-1983 121/2.0/L	
Repair Sleeve .....	99298
Seal .....	4307V
1982 (1st design) (5.5 mm width)	
Seal .....	5210
1982 (2nd design) (11 mm width)	
Seal .....	4307V
Seal PTFE H/D .....	5273

#### 6 Cylinder

1988-1985 173/2.8L	
Seal .....	4307V

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - DTS

<b>FRONT WHEEL</b>			<b>CRANKSHAFT REAR SEAL</b>		
2008-2006	Exc HD J55 Suspension		<b>8 Cylinder</b>		
	Hub Assembly .....	513121 <sup>94</sup>	2006	4.6L (DOHC)	
<b>4-SPEED AUTOMATIC TRANSAXLE</b>				Seal Viton .....	710262
<b>Torque Converter / Frt Pump</b>					
2006	(4T80 E)				
	Seal .....	224840			
<b>Output Shaft</b>					
2006	(4T80 E)				
	Seal ; RH .....	4674N			
	Seal ; LH .....	714679			

## CADILLAC- FRONT DRIVE - DeVille, Fleetwood

<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
2005-1997	Exc H/D Suspension & Hearse/Limo		<b>Output Shaft</b>		
	Hub Assembly .....	513121 <sup>94</sup>	2005-1993	(4T80 E)	
1996-1994	All			Repair Sleeve; RH .....	4674N
	Hub Assembly .....	513087		Repair Sleeve; LH .....	714679
1993-1992	(ABS)			Seal ; RH .....	
	Hub Assembly .....	513087		Seal ; LH .....	
1993-1992	(Non-ABS)		1995-1990	(4T60E)	
	Hub Assembly .....	513088		Repair Sleeve; RH .....	99139
1993-1990	(J55 H/D Brks.)			Repair Sleeve; LH .....	99139
	Hub Assembly .....	513063		Seal ; RH .....	3543
1989-1985	All			Seal ; LH .....	710096
	Hub Assembly .....	513016K <sup>96</sup>	1990-1985	(THM440 T4)	
<b>REAR WHEEL</b>				Repair Sleeve; RH .....	99139
2005-2000	(Exc. H/D Suspension, Hearse/Limo)			Repair Sleeve; LH .....	99139
	Hub Assembly .....	512003		Seal ; RH .....	3543
1999-1994	(Exc. H/D Suspension, Hearse/Limo)			Seal ; LH .....	710096
	Hub Assembly .....	512006	<b>Selector Shaft Seal/Man. Shaft</b>		
1993-1991	(ABS)		2005-1985	All	
	Hub Assembly .....	513062		Seal .....	8792S
1993-1990	(J55 H/D Brks.)		<b>ALTERNATOR</b>		
	Hub Assembly .....	512005	1993-1987	All	
1993-1985	(Non-ABS)			Ball Bearing ; Rear End .....	100CC4
	Hub Assembly .....	513018		Ball Bearing ; Drive End .....	203FF
1990-1987	(ABS)		1986-1985	All	
	Hub Assembly .....	513041		Ball Bearing ; Drive End .....	203S
<b>4-SPEED AUTOMATIC TRANSAXLE</b>				Needle Bearing; Rear End .....	MNJ471S
<b>Torque Converter / Frt Pump</b>			<b>A/C COMPRESSOR</b>		
2005-1993	(4T80 E)		2002-1985	(Frigidaire R4) (Harrison DA6, V5,HR6)	
	Repair Sleeve .....	99189		Ball Bearing .....	907257
	Seal .....	224840	<b>POWER STEERING</b>		
1995-1990	(4T60E)		<b>Pump Shaft</b>		
	Seal .....	4072N	1993-1992	All	
1990-1985	(THM440 T4)			Seal .....	7013S
	Seal .....	4072N			

<sup>94</sup> Incl: Metal and Plastic Clip <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - DeVille, Fleetwood (cont.)

### POWER STEERING(cont)

#### Pump Shaft(cont)

1991-1985	All	
Ball Bearing	.....	203FF
Seal	.....	221925

### CAMSHAFT SEAL

#### 8 Cylinder

2002-1994	281/4.6L	
Seal Viton	.....	710261

### CRANKSHAFT FRONT SEAL

#### 8 Cylinder

2005-2003	279/4.6L (DOHC)	
Seal Viton	.....	710261
2002-1994	281/4.6L	
Seal Viton	.....	99199
Repair Sleeve	.....	
1995-1991	300/4.9L	
Repair Sleeve	.....	99199
Seal	.....	471424
1990-1988	273/4.5L	
Repair Sleeve	.....	99199
Seal	.....	471424

### CRANKSHAFT FRONT SEAL(cont)

#### 8 Cylinder(cont)

1987-1985	250/4.1L	
Repair Sleeve	.....	99199
Seal	.....	471424
1985	260/4.3 (Diesel)	
Seal Viton	.....	320259

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

2005-2003	4.6L/279 DOHC	
Seal Viton	.....	710262
2002-1994	281/4.6L	
Seal Viton	.....	710262
1995-1991	300/4.9L	
Seal Viton	.....	710075
1990-1988	273/4.5L	
Seal Viton	.....	710075
1987-1985	250/4.1L	
Seal Viton	.....	710075
1985	260/4.3 (Diesel)	
Seal	.....	5591

## CADILLAC- FRONT DRIVE - Eldorado

### FRONT WHEEL

2002-1997	All	
Hub Assembly	.....	513121 <sup>94</sup>
1996-1992	All	
Hub Assembly	.....	513087
1991-1989	All	
Hub Assembly	.....	513059
1988-1986	All	
Hub Assembly	.....	513016K <sup>96</sup>
1985-1980	All	
Hub Assembly	.....	513013

### REAR WHEEL

2002-1993	All	
Hub Assembly	.....	512006
1992-1991	All	
Hub Assembly	.....	512003
1990-1988	(ABS)	
Hub Assembly	.....	513041
1990-1988	(Non-ABS)	
Hub Assembly	.....	513018
1987-1986	All	
Hub Assembly	.....	513018

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1981-1980	All	
Cone/Cup	.....	LM501349-LM501314

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Pinion

1981-1980	All	
Cone/Cup ; Outer	.....	M802048-M802011
Cone/Cup ; Inner	.....	M804049-M804010
Seal ; Outer	.....	3606

#### Output Shaft

1985-1982	(THM125)	
Repair Sleeve	.....	99139
Seal	.....	3543
1985-1982	(THM325)	
Repair Sleeve	.....	99114
Seal	.....	3907
1981-1980	All	
Repair Sleeve	.....	99114
Seal	.....	3907

#### Selector Shaft Seal/Man. Shaft

1985-1980	All	
Repair Sleeve	.....	8792S
Seal	.....	

#### Torque Converter

1985-1982	(THM125)	
Seal	.....	4072N

<sup>94</sup> Incl: Metal and Plastic Clip <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - Eldorado (cont.)

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Torque Converter(cont)

<b>1985-1982</b>	<b>(THM325)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1981-1980</b>	<b>All</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>1985-1982</b>	<b>All</b>	
Cone/Cup .....		LM501349-LM501314

#### Pinion

<b>1985-1982</b>	<b>All</b>	
Cone/Cup ; Outer .....		M802048-M802011
Cone/Cup ; Inner .....		M804049-M804010
Seal ; Outer .....		3606

#### Torque Converter / Frt Pump

<b>2002-1993</b>	<b>(4T80 E)</b>	
Repair Sleeve .....		99189
Seal .....		224840
<b>1995-1990</b>	<b>(4T40E)</b>	
Seal .....		4072N
<b>1990-1985</b>	<b>(THM440)</b>	
Seal .....		4072N
<b>1985</b>	<b>(THM325 4L)</b>	
Repair Sleeve .....		99174
Seal .....		3227

#### Output Shaft

<b>2002-1993</b>	<b>(4T80)</b>	
Seal ; RH .....		4674N
Seal ; LH .....		714679
<b>1995-1990</b>	<b>(4T40E)</b>	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		710096
<b>1990-1985</b>	<b>(THM440)</b>	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		710096
<b>1985-1982</b>	<b>(THM325 4L)</b>	
Repair Sleeve .....		99114
Seal .....		3907

#### Selector Shaft Seal/Man. Shaft

<b>2002-1985</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### ALTERNATOR

<b>1991-1987</b>	<b>All</b>	
Ball Bearing ; Rear End .....		100CC4
Ball Bearing ; Drive End .....		203FF

### ALTERNATOR(cont)

<b>1986-1980</b>	<b>All</b>	
Ball Bearing ; Drive End .....		203S
Needle Bearing; Rear End .....		MNJ471S

### A/C COMPRESSOR

<b>2002-1980</b>	<b>(Frigidaire R4) (Harrison DA6, V5, HR6)</b>	
Ball Bearing .....		907257

### POWER STEERING

#### Pump Shaft

<b>2001-1994</b>	<b>281/4.6L</b>	
Ball Bearing .....		203FF
<b>1993</b>	<b>281/4.6L</b>	
Seal .....		7013S
<b>1993-1991</b>	<b>299/4.9L</b>	
Seal .....		480821
<b>1990-1985</b>	<b>All</b>	
Ball Bearing .....		203FF
Seal .....		221925
<b>1984-1980</b>	<b>All</b>	
Seal .....		7013S

#### Worm Shaft

<b>1991-1980</b>	<b>All</b>	
Seal .....		222025

#### Pitman Shaft

<b>1990-1980</b>	<b>All</b>	
Seal Kit .....		PSK1

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

<b>1982-1981</b>	<b>252/4.1L</b>	
Repair Sleeve .....		99199
Seal .....		471424

#### 8 Cylinder

<b>2002-1993</b>	<b>281/4.6L</b>	
Seal Viton .....		99199
Repair Sleeve .....		
<b>1993-1991</b>	<b>300/4.9L</b>	
Repair Sleeve .....		99199
Seal .....		471424
<b>1990-1988</b>	<b>273/4.5L</b>	
Repair Sleeve .....		99199
Seal .....		471424
<b>1987-1982</b>	<b>250/4.1L</b>	
Repair Sleeve .....		99199
Seal .....		471424
<b>1985-1980</b>	<b>350/5.7L (Diesel)</b>	
Seal .....		472082
<b>1981-1980</b>	<b>368/6.0L</b>	
Seal .....		9599S
<b>1980</b>	<b>350/5.7L</b>	
Seal .....		472082

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - Eldorado (cont.)

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1982-1981	252/4.1L	
Seal .....		5591
Seal PTFE H/D .....		5291

#### 8 Cylinder

2002-1993	281/4.6L	
Seal Viton .....		710262
1993-1991	300/4.9L	
Seal Viton .....		710075
1990-1988	273/4.5L	
Seal Viton .....		710075
1987-1982	250/4.1L	
Seal Viton .....		710075
1985-1980	350/5.7L (Diesel)	
Seal Rope .....		5095
1981-1980	368/6.0L	
Seal .....		5068

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder(cont)

1980	350/5.7L	
Seal .....		5591

## CADILLAC- FRONT DRIVE - Seville

### FRONT WHEEL

2004-2001	All	
Hub Assembly .....		513121
2001-1997	All	
Hub Assembly .....		513121
1996-1992	All	
Hub Assembly .....		513087
1991-1989	All	
Hub Assembly .....		513059
1988-1986	All	
Hub Assembly .....		513016K <sup>96</sup>
1985-1980	All	
Hub Assembly .....		513013

### REAR WHEEL

2004-1998	All	
Hub Assembly .....		512003
1997-1993	All	
Hub Assembly .....		512006
1992-1991	All	
Hub Assembly .....		512003
1990-1988	(ABS)	
Hub Assembly .....		513041
1990-1986	(Non-ABS)	
Hub Assembly .....		513018

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1981-1980	All	
Cone/Cup .....		LM501349-LM501314

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Pinion

1981-1980	All	
Cone/Cup ; Outer .....		M802048-M802011
Cone/Cup ; Inner .....		M804049-M804010
Seal ; Outer .....		3606

#### Output Shaft

1985-1982	(THM125)	
Repair Sleeve .....		99139
Seal .....		3543
1985-1980	(THM325)	
Seal .....		3907

#### Selector Shaft Seal/Man. Shaft

1985-1980	All	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

1986-1985	(THM125)	
Repair Sleeve .....		4072N
Seal .....		
1985-1982	(THM325)	
Repair Sleeve .....		99174
Seal .....		3227
1981-1980	All	
Repair Sleeve .....		99187
Seal .....		6712NA

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

1985-1982	All	
Cone/Cup .....		LM501349-LM501314

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - Seville (cont.)

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

#### Pinion

1985-1982	All	
	Cone/Cup ; Outer .....	M802048-M802011
	Cone/Cup ; Inner .....	M804049-M804010
	Seal ; Outer .....	3606

#### Torque Converter / Frt Pump

2004-1993	(4T80 E)	
	Repair Sleeve .....	99189
	Seal .....	224840
1995-1990	(4T40E)	
	Repair Sleeve .....	4072N
	Seal .....	
1992-1985	(THM440)	
	Repair Sleeve .....	4072N
	Seal .....	
1985-1982	(THM325 4L)	
	Repair Sleeve .....	99174
	Seal .....	3227

#### Output Shaft

2004-1993	(4T80)	
	Seal ; RH .....	4674N
	Seal ; LH .....	714679
1995-1990	(4T40E)	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	710096
1992-1985	(THM440)	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	710096
1985-1980	(THM325 4L)	
	Seal .....	3907

#### Selector Shaft Seal/Man. Shaft

2004-1985	All	
	Repair Sleeve .....	8792S
	Seal .....	

### ALTERNATOR

1991-1987	All	
	Ball Bearing ; Rear End .....	100CC4
	Ball Bearing ; Drive End .....	203FF
1986-1980	All	
	Ball Bearing ; Drive End .....	203S
	Needle Bearing; Rear End .....	MNJ471S

### A/C COMPRESSOR

2002-1980	(Frigidaire R4) (Harrison DA6, V5,HR6)	
	Ball Bearing .....	907257

### POWER STEERING

#### Pump Shaft

2001-1994	All	
	Ball Bearing .....	203FF

### POWER STEERING(cont)

#### Pump Shaft(cont)

1993	281/4.6L	
	Seal .....	7013S
1993-1991	299/4.9L	
	Seal .....	480821
1990-1985	All	
	Ball Bearing .....	203FF
	Seal .....	221925
1984-1980	All	
	Seal .....	7013S

### CAMSHAFT SEAL

#### 8 Cylinder

2001-1994	281/4.6L	
	Seal Viton .....	710261

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

1982-1981	252/4.1L	
	Repair Sleeve .....	99199
	Seal .....	471424

#### 8 Cylinder

2002-1993	281/4.6L	
	Seal Viton .....	99199
	Repair Sleeve .....	
1993-1991	300/4.9L	
	Repair Sleeve .....	99199
	Seal .....	471424
1990-1988	273/4.5L	
	Repair Sleeve .....	99199
	Seal .....	471424
1987-1982	250/4.1L	
	Repair Sleeve .....	99199
	Seal .....	471424
1985-1980	350/5.7L (Diesel)	
	Seal .....	472082
1981-1980	368/6.0L	
	Seal .....	9599S
1980	350/5.7L	
	Seal .....	472082

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1982-1981	252/4.1L	
	Seal .....	5591
	Seal PTFE H/D .....	5291

#### 8 Cylinder

2004-1993	4.6L (DOHC)	
	Seal Viton .....	710262
1993-1991	300/4.9L	
	Seal Viton .....	710075
1990-1988	273/4.5L	
	Seal Viton .....	710075
1987-1982	250/4.1L	
	Seal Viton .....	710075

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- FRONT DRIVE - Seville (cont.)

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder(cont)

1985-1980	350/5.7L (Diesel)	
Seal Rope .....		5095
1981-1980	368/6.0L	
Seal .....		5068
1980	350/5.7L	
Seal .....		5591

## CADILLAC- REAR DRIVE - CTS Sedan, V

### FRONT WHEEL

2007-2004	CTS V	
Hub Assembly .....		513197
2007-2003	CTS	
Hub Assembly .....		513186

### REAR WHEEL

2007-2004	CTS V	
Hub Assembly .....		512249
2007-2003	CTS	
Hub Assembly .....		512223

### 6-SPEED MANUAL TRANSMISSION

#### Main Shaft

2006-2004	All	
Cone/Cup ; Frt .....		A16

#### Front Countershaft

2006-2004	All	
Cone/Cup ; Rr .....		32008
Cone/Cup ; Frt .....		A5

#### Rear Countershaft

2006-2004	All	
Cone/Cup .....		A16

### CAMSHAFT SEAL

#### 6 Cylinder

2004-2003	3.2L/3175 DOHC	
Seal .....		714436

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2004-2003	3.2L/3175 DOHC	
Seal .....		223802

#### 8 Cylinder

2006	6.0L	
Seal Viton .....		99210
Repair Sleeve .....		
2005-2004	346/5.7L	
Seal Viton .....		99210
Repair Sleeve .....		

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2004-2003	3.2L/3175 DOHC	
Seal Viton .....		710237

#### 8 Cylinder

2006-2004	5.7L, 6.0L	
Seal .....		100085

## CADILLAC- REAR DRIVE - Calais, Comm. Chassis/Limousine, DeVille,

### FRONT WHEEL

1996-1988	Fleetwood (ABS)	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

### FRONT WHEEL(cont)

1996-1988	Fleetwood Comm. Ch. (Non-ABS)	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CADILLAC- REAR DRIVE - Calais, Comm. Chassis/Limousine, DeVille, (cont.)</b>					

## FRONT WHEEL(cont)

<b>1987-1980</b>	<b>DeVille, Fleetwood</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3
<b>1984-1980</b>	<b>(Comm. Ch./Limo)</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3

## REAR WHEEL

<b>1996-1980</b>	<b>(11" Brks.)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>1990-1980</b>	<b>(12" Brks.)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1984-1980</b>	<b>Fleetwood (Sedan) (12" x 2.5" Brks.)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

## REAR AXLE

### Differential

<b>1996-1991</b>	<b>(9.5" R.G.)</b>	
Cone/Cup .....	JLM506849-JLM506811	
<b>1996-1980</b>	<b>(7.50", 8.50" R.G.)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1981-1980</b>	<b>(10 Bolt Hsg. Cover)</b>	
Cup/Cone .....		A36

### Pinion

<b>1996-1991</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		3896
Cone/Cup ; Outer .....	HM88649-HM88610	
Cone/Cup ; Inner .....	HM804846-HM804810	
<b>1996-1980</b>	<b>(8.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1990-1982</b>	<b>(7.5" R.G.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1990-1980</b>	<b>(THM200, 2004R)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
<b>1989-1980</b>	<b>(THM400)</b>	
Seal .....		9449

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Rear Seal/Ext. Housing(cont)

<b>1980</b>	<b>(CBC350)</b>	
Repair Sleeve .....		99149
Seal .....		9613S

### Selector Shaft Seal/Man. Shaft

<b>1996-1980</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>1990-1980</b>	<b>(THM200, 2004R)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1989-1980</b>	<b>(THM400)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA
<b>1980</b>	<b>(CBC350)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1996-1990</b>	<b>(4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
<b>1990-1982</b>	<b>(THM2004R)</b>	
Repair Sleeve .....		99149
Seal .....		9613S

### Selector Shaft Seal/Man. Shaft

<b>1996-1982</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>1996-1990</b>	<b>(4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1990-1982</b>	<b>(THM2004R)</b>	
Repair Sleeve .....		99174
Seal .....		3227

## ALTERNATOR

<b>1991-1987</b>	<b>All</b>	
Ball Bearing ; Rear End .....		100CC4
Ball Bearing ; Drive End .....		203FF
<b>1986-1980</b>	<b>All</b>	
Ball Bearing ; Drive End .....		203S
Needle Bearing; Rear End .....		MNJ471S

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>1982-1980</b>	<b>252/4.1L</b>	
Repair Sleeve .....		99199
Seal .....		471424

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- REAR DRIVE - Calais, Comm. Chassis/Limousine, DeVille, (cont.)

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>8 Cylinder</b>		
1996-1992	350ci/5.7L	
Repair Sleeve .....		99176
Seal .....		9845
1985-1982	250/4.1L	
Repair Sleeve .....		99199
Seal .....		471424
1984-1980	350ci/5.7L Diesel	
Seal .....		472082
1984-1980	368/6.0L	
Seal .....		9599S
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1982-1980	252/4.1L	
Seal .....		5591
Seal PTFE H/D .....		5291

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder</b>		
1996-1992	305ci/5.0L, 350ci/5.7L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1985-1982	250/4.1L	
Seal Viton .....		710075
1984-1980	350ci/5.7L Diesel	
Seal Rope .....		5095
1984-1980	368/6.0L	
Seal .....		5068

## CADILLAC- REAR DRIVE - Catera

<b>FRONT WHEEL</b>		
2001-1997	All	
Hub Assembly .....		513164
<b>REAR WHEEL</b>		
2001-1997	All	
Ball Bearing .....		510052
Seal .....		6712NA
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2001-1997	(4L30E)	
Seal .....		3459
<b>Selector Shaft Seal/Man. Shaft</b>		
2001-1997	(4L30E)	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
2001-1997	(4L30E)	
Repair Sleeve .....		99187
Seal .....		6712NA

<b>ALTERNATOR</b>		
2001-1997	All	
Ball Bearing ; Rear End .....		100CC4
Ball Bearing ; Drive End .....		203FF
<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2001-1997	All	
Seal .....		714436
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2001-1997	All	
Seal .....		223750
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2001-1997	(DOHC)	
Seal Viton .....		710237

## CADILLAC- REAR DRIVE - STS

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2006-2005	All RWD; RWD	
Hub Assembly .....		513186

<b>REAR WHEEL</b>		
2006-2005	All	
Hub Assembly .....		512223

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC- REAR DRIVE - STS (cont.)

<table border="1"> <tr> <th colspan="3"><b>5-SPEED AUTOMATIC TRANSMISSION</b></th> </tr> <tr> <td colspan="3"><b>Selector Shaft Seal/Man. Shaft</b></td> </tr> <tr> <td>2006-2005 (5L40E)</td> <td></td> <td></td> </tr> <tr> <td>Repair Sleeve .....</td> <td></td> <td>8792S</td> </tr> <tr> <td>Seal .....</td> <td></td> <td></td> </tr> </table> <table border="1"> <tr> <th colspan="3"><b>6-SPEED MANUAL TRANSMISSION</b></th> </tr> <tr> <td colspan="3"><b>Main Shaft</b></td> </tr> <tr> <td>2006 All</td> <td></td> <td></td> </tr> <tr> <td>Cone/Cup ; Frt .....</td> <td></td> <td>A16</td> </tr> <tr> <td colspan="3"><b>Front Countershaft</b></td> </tr> <tr> <td>2006 All</td> <td></td> <td></td> </tr> <tr> <td>Cone/Cup ; Rr .....</td> <td></td> <td>32008</td> </tr> <tr> <td>Cone/Cup ; Frt .....</td> <td></td> <td>A5</td> </tr> <tr> <td colspan="3"><b>Rear Countershaft</b></td> </tr> <tr> <td>2006 All</td> <td></td> <td></td> </tr> <tr> <td>Cone/Cup .....</td> <td></td> <td>A16</td> </tr> </table>	<b>5-SPEED AUTOMATIC TRANSMISSION</b>			<b>Selector Shaft Seal/Man. Shaft</b>			2006-2005 (5L40E)			Repair Sleeve .....		8792S	Seal .....			<b>6-SPEED MANUAL TRANSMISSION</b>			<b>Main Shaft</b>			2006 All			Cone/Cup ; Frt .....		A16	<b>Front Countershaft</b>			2006 All			Cone/Cup ; Rr .....		32008	Cone/Cup ; Frt .....		A5	<b>Rear Countershaft</b>			2006 All			Cone/Cup .....		A16	<table border="1"> <tr> <th colspan="3"><b>CRANKSHAFT REAR SEAL</b></th> </tr> <tr> <td colspan="3"><b>8 Cylinder</b></td> </tr> <tr> <td>2006-2005 4.6L (DOHC)</td> <td></td> <td></td> </tr> <tr> <td>Seal Viton .....</td> <td></td> <td>710262</td> </tr> </table>	<b>CRANKSHAFT REAR SEAL</b>			<b>8 Cylinder</b>			2006-2005 4.6L (DOHC)			Seal Viton .....		710262
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## CADILLAC- REAR DRIVE - XLR

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## CADILLAC TRUCK- Escalade, Escalade ESV, Escalade EXT

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<sup>10</sup> 6 Stud, w/ Drilled Mtg Holes <sup>91</sup> Replaces Brg & Seal <sup>99</sup> 6 Stud, w/ Threaded Mtg Holes

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CADILLAC TRUCK- Escalade, Escalade ESV, Escalade EXT (cont.)</b>					

## REAR AXLE

### Differential

2006-2002 (8.625" R.G.)		
Cup/Cone .....	A36	
2006-2002 (9.5" R.G.)		
Cup/Cone .....	A42	
2000 (2nd Design)		
Cup/Cone .....	A36	
2000-1999 (1st Design)		
Cone/Cup .....	LM501349-LM501314	

### Pinion

2006-2002 (8.625" R.G.)		
Repair Sleeve .....	99212	
Seal .....	710506	
Cone/Cup ; Outer .....	M88048-M88010	
2006-2002 (9.5" R.G.)		
Repair Sleeve .....	99193	
Seal .....	710507	
Cone/Cup ; Outer .....	HM88649-HM88610	
Cone/Cup ; Inner .....	HM804846-HM804810	
2000-1999 (8.625" R.G.)		
Repair Sleeve .....	99212	
Seal .....	710506	
Cone/Cup ; Outer .....	M88048-M88010	

## 4-SPEED AUTOMATIC TRANSMISSION

### Output Shaft

2006-1999 (4L80E)		
Seal .....	4934	

### Rear Seal/Ext. Housing

2006-2002 (4L60, 4L60E, 4L65E)		
Seal .....	4934	
Seal Kit .....	5200	
2002-1999 (4L80E) (Booted)		
Seal .....	4333N	
2002-1999 (4L80E) (Exc. Booted)		
Seal .....	9449	
Seal Kit .....	5208	
2000-1999 (4L60, 4L60E, 4L65E)		
Seal .....	4934	

### Selector Shaft Seal/Man. Shaft

2006-1999 All		
Repair Sleeve .....	8792S	
Seal .....		

### Torque Converter

2006-1999 (4L60, 4L60E, 4L65E)		
Repair Sleeve .....	99174	
Seal .....	3227	
2002-1999 (4L80E)		
Repair Sleeve .....	99199	
Seal .....	4598	

## TRANSFER CASE

### Input Shaft

2000-1999 (New Process 243)		
Ball Bearing .....	110L	
Seal .....	3173	

### Front Output Shaft

2000-1999 (New Process 243)		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	

### Rear Output Shaft

2005-2003 (Borg Warner)		
Seal .....	4503N	
2000-1999 (New Process 243)		
Ball Bearing .....	207	
Seal .....	4333N	

### Oil Pump Housing

2000-1999 (New Process 243)		
Seal .....	341022	

## ALTERNATOR

2000-1999 All		
Ball Bearing ; Rear End .....	100CC4	

## A/C COMPRESSOR

2002-1999 (Frigidaire R4)		
Ball Bearing .....	907257	
Needle Bearing; Frt Head .....	S128	

## POWER STEERING

### Pump Shaft

2002-1999 All		
Seal .....	7013S	

## CRANKSHAFT FRONT SEAL

### 8 Cylinder

2006-2002 325/5.3L, 364/6.0L		
Seal Viton .....	99210	
Repair Sleeve .....		
2000-1999 350/5.7L		
Repair Sleeve .....	99176	
Seal .....	9845	

## CRANKSHAFT REAR SEAL

### 8 Cylinder

2006-2002 325/5.3L, 364/6.0L		
Seal .....	100085	
2000-1999 350/5.7L		
Seal Viton .....	4359V	
Repair Sleeve .....	99364	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CADILLAC TRUCK- SRX

<p><b>FRONT WHEEL</b></p> <p><b>2WD</b></p> <p>2007-2004 All Hub Assembly ..... 513197</p> <p><b>4WD/AWD</b></p> <p>2007-2004 All Hub Assembly ..... 513198</p> <p><b>REAR WHEEL</b></p> <p>2007-2004 All Hub Assembly ..... 512243</p> <p><b>5-SPEED AUTOMATIC TRANSMISSION</b></p> <p><b>Selector Shaft Seal/Man. Shaft</b></p> <p>2006-2004 (5L40E) Repair Sleeve ..... 8792S Seal .....</p> <p><b>TRANSFER CASE</b></p> <p><b>Input Shaft</b></p> <p>2005-2004 All Ball Bearing ..... 110</p>	<p><b>TRANSFER CASE(cont)</b></p> <p><b>Front Output Shaft</b></p> <p>2005-2004 All Seal ..... 714503 Ball Bearing ; Frt ..... 109 Ball Bearing ; Rr ..... 206</p> <p><b>Rear Output Shaft</b></p> <p>2005-2004 (Borg Warner) Seal ..... 4503N</p> <p><b>CRANKSHAFT REAR SEAL</b></p> <p><b>8 Cylinder</b></p> <p>2006-2004 4.6L (DOHC) Seal Viton ..... 710262</p>
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## CHECKER- All

<p><b>FRONT WHEEL</b></p> <p>1982-1980 (Exc. Aerobus) Seal ; Inner ..... 4739 Cup/Cone; Inner ..... A5 Cup/Cone; Outer ..... A2</p> <p><b>REAR WHEEL</b></p> <p>1982-1980 (Exc. Aerobus) Seal ; Inner ..... 51098 Seal ; Outer ..... 2689S Wheel Brg; Inner ..... A10</p> <p><b>REAR AXLE</b></p> <p><b>Differential</b></p> <p>1981-1980 (Aerobus, Limo.) Cone/Cup ..... 387A-382S</p> <p>1981-1980 (Exc. Aerobus, Limo.) Cone/Cup ..... 25590-25523</p> <p><b>Pinion</b></p> <p>1981-1980 (Exc. Aerobus, Limo.) Seal ..... 5778 Cone/Cup ; Outer ..... 02872-02820 Cone/Cup ; Inner ..... 31594-31520</p>	<p><b>REAR AXLE(cont)</b></p> <p><b>Pinion(cont)</b></p> <p>1981-1980 (Limo.) Seal ..... 5778 Cone/Cup ; Outer ..... 02872-02820 Cone/Cup ; Inner ..... HM803146-HM803110</p> <p><b>DRIVESHAFT SUPPORT</b></p> <p>1981-1980 (Spicer 1280 1410) (1.3780" Brg.I.D.) Ball Bearing ..... 88107</p> <p><b>AUTOMATIC TRANSMISSION</b></p> <p><b>Output Shaft</b></p> <p>1981-1980 All Seal ..... 9449</p> <p><b>Selector Shaft Seal/Man. Shaft</b></p> <p>1981-1980 All Repair Sleeve ..... 340847 Seal .....</p> <p><b>Torque Converter</b></p> <p>1981-1980 All Repair Sleeve ..... 99187 Seal ..... 6712NA</p>
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# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHECKER- All (cont.)

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

1981-1980	229ci/3.8L		
Repair Sleeve .....		99176	
Seal .....		9845	

#### 8 Cylinder

1981-1980	267/4.4L, 305/5.0, 350/5.7		
Repair Sleeve .....		99176	
Seal .....		9845	

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1981-1980	229ci/3.8L		
Seal .....			5092

## CHEVROLET- FRONT DRIVE - Aveo

### FRONT WHEEL

2007-2004	All		
Ball Bearing .....		B35	

## CHEVROLET- FRONT DRIVE - Beretta, Cavalier, Corsica

### FRONT WHEEL

2005-1997	All		
Hub Assembly .....		513017K <sup>96</sup>	
1996-1985	All		
Hub Assembly .....		513017K <sup>96</sup>	
Seal Kit .....		5697 <sup>95</sup>	
1984	All		
Seal Kit .....		5697 <sup>95</sup>	
Hub Assembly; 10mm holes .....		513004K <sup>96</sup>	
Hub Assembly; 12mm holes .....		513017K <sup>96</sup>	
1983-1982	All		
Hub Assembly .....		513004K <sup>96</sup>	
Seal Kit .....		5697 <sup>95</sup>	

### REAR WHEEL

2005-2004	(ABS)		
Hub Assembly .....		512001	
2005-2004	(Non-ABS)		
Hub Assembly .....		513012	
2003-1992	All		
Hub Assembly .....		512001	
1991-1982	All		
Hub Assembly .....		513012	

### CLUTCH

#### Release Bearing

2001-1995	4 Cyl		
Hyd. Bearing Assembly .....		619006	
1996-1993	6 Cyl 189ci/3.1L		
Hyd. Bearing Assembly .....		619005	
1994-1993	4 Cyl 138ci/2.3L		
Hyd. Bearing Assembly .....		619005	

### CLUTCH(cont)

#### Release Bearing(cont)

1994-1982	4 Cyl w/ Isuzu Trans		
Bearing Assembly .....			614108
1992-1987	4 Cyl 5 Spd w/ Muncie Trans		
Bearing Assembly .....			614069
1992-1986	6 Cyl 5 Spd w/ Muncie Trans		
Bearing Assembly .....			614069

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

2000-1982	All		
Repair Sleeve; RH .....			99139
Repair Sleeve; LH .....			99139
Seal ; RH .....			3543
Seal ; LH .....			3543
Seal Kit ; LH .....			5690
Seal Kit ; RH .....			5690

#### Selector Shaft Seal/Man. Shaft

2002-1982	All		
Repair Sleeve .....			8792S
Seal .....			

#### Torque Converter

2002-1982	(THM125C)		
Repair Sleeve .....			4072N
Seal .....			

#### Oil Pump

1984-1982	(THM125) (1st design)		
Seal .....			253747

<sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- FRONT DRIVE - Beretta, Cavalier, Corsica (cont.)</b>					

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2005-2000	Cavalier	
	Cone/Cup .....	A35
<b>Torque Converter / Frt Pump</b>		
2005-1994	(4T40E, 4T45E, 4T60E)	
	Repair Sleeve .....	4072N
	Seal .....	
<b>Output Shaft</b>		
1996-1994	(4T60E)	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	710096
<b>Selector Shaft Seal/Man. Shaft</b>		
2005-1994	All	
	Repair Sleeve .....	8792S
	Seal .....	

<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1987-1982	All	
	Cup/Cone .....	A18
<b>Output Shaft</b>		
2003-2000	All	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	100165
1987-1982	All	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	3543
	Cone/Cup ; RH .....	15101-15245
	Cup/Cone; LH .....	A5
<b>Selector Shaft Seal/Man. Shaft</b>		
1987-1982	All	
	Seal .....	3667
<b>Input Shaft</b>		
1987-1982	All	
	Cone/Cup ; Rr .....	15101-15245
	Seal ; Frt .....	3732S
	Cup/Cone; Frt .....	A4

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
2005-2000	(Opel)	
	Cone/Cup .....	A35
	Cup/Cone .....	A35
1999-1983	(Isuzu )	
	Cone/Cup .....	32008
1994-1986	(Exc. Isuzu)	
	Cup/Cone .....	A18

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Output Shaft</b>		
2005-2000	All	
	Ball Bearing .....	99139
	Repair Sleeve .....	3543
	Seal .....	
1999-1983	All	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	3543
	Cone/Cup ; RH .....	32206
	Cup/Cone; LH .....	A5
<b>Selector Shaft Seal/Man. Shaft</b>		
1999-1983	(Isuzu )	
	Repair Sleeve .....	710243
	Seal .....	
<b>Input Shaft</b>		
2005-2000	(Opel)	
	Repair Sleeve .....	222835
	Seal .....	
1999-1995	(Isuzu )	
	Seal ; Frt .....	222835
	Ball Bearing ; Frt .....	
	Repair Sleeve; Frt .....	
1994-1983	(Isuzu )	
	Cone/Cup ; Rr .....	30306
	Cone/Cup ; Frt .....	32206
	Seal ; Frt .....	222835
	Repair Sleeve; Frt .....	
1992-1986	(Exc. Isuzu)	
	Ball Bearing ; Frt .....	305DD

<b>ALTERNATOR</b>		
1990-1983	All	
	Ball Bearing ; Drive End .....	203FF
1990-1982	All	
	Needle Bearing; Rear End .....	MNJ471S
1982	All	
	Ball Bearing ; Drive End .....	203S

<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
2002-1992	All	
	Seal .....	7013S
1991-1987	All	
	Seal .....	221925
1986-1983	(integral reservoir)	
	Seal .....	221925
1986-1982	(remote reservoir)	
	Seal .....	7013S
<b>Worm Shaft</b>		
1988-1982	All	
	Seal .....	222510

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- FRONT DRIVE - Beretta, Cavalier, Corsica (cont.)

### CAMSHAFT SEAL

#### 4 Cylinder

<b>2002-1996</b>	<b>146/2.4L</b>	
Seal Viton .....		713771
Repair Sleeve .....		99139
<b>1995</b>	<b>138/2.3L (DOHC)</b>	
Seal Viton .....		713771
Repair Sleeve .....		99139

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

<b>2002-1996</b>	<b>2.4L (DOHC)</b>	
Seal Viton .....		320259
Repair Sleeve .....		99199
<b>2002-1992</b>	<b>2.2L (OHV)</b>	
Repair Sleeve .....		99176
Seal .....		9845
<b>1995-1990</b>	<b>2.3L (DOHC)</b>	
Seal Viton .....		320259
Repair Sleeve .....		99199
<b>1989-1983</b>	<b>121/2.0/L</b>	
Seal Viton .....		710164
<b>1982</b>	<b>112/1.8L</b>	
Repair Sleeve .....		99176
Seal .....		9845

#### 6 Cylinder

<b>1996-1990</b>	<b>189/3.1L</b>	
Repair Sleeve .....		99176
Seal .....		9845
<b>1989-1985</b>	<b>173/2.8L</b>	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

<b>2005-2002</b>	<b>134/2.2L (DOHC)</b>	
Seal Viton .....		710237
<b>2002-1996</b>	<b>2.4L (DOHC)</b>	
Seal .....		40375

### CRANKSHAFT REAR SEAL(cont)

#### 4 Cylinder(cont)

<b>2002-1990</b>	<b>134/2.2L (OHV)</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>1995</b>	<b>138/2.3L (DOHC)</b>	
Seal .....		40375
<b>1989-1985</b>	<b>121/2.0/L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>1984-1983</b>	<b>121/2.0/L (1st design) (5.5mmthick)</b>	
Seal .....		5210
<b>1984-1983</b>	<b>121/2.0/L (2nd design) (11mm thick, casting O on RR of case)</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>1982</b>	<b>112/1.8L (1st design) (5.5mm thick)</b>	
Seal .....		5210
<b>1982</b>	<b>112/1.8L (2nd design) (11mm thick, casting O on RR of case)</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

#### 6 Cylinder

<b>1996-1990</b>	<b>189/3.1L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>1989-1985</b>	<b>173/2.8L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

## CHEVROLET- FRONT DRIVE - Celebrity

### FRONT WHEEL

<b>1990-1985</b>	<b>(JA2, JA3, JA8, Brks.)</b>	
Hub Assembly .....		513016K <sup>96</sup>
Seal Kit .....		5698 <sup>95</sup>
<b>1989-1985</b>	<b>(JA1 Brks.)</b>	
Hub Assembly .....		513011K <sup>96</sup>
Seal Kit .....		5699 <sup>95</sup>
<b>1984-1983</b>	<b>(JA1, JA8, Brks.)</b>	
Hub Assembly .....		513011K <sup>96</sup>
Seal Kit .....		5699 <sup>95</sup>

### FRONT WHEEL(cont)

<b>1984-1983</b>	<b>(JA2, JA8 Brks.)</b>	
Hub Assembly .....		513016K <sup>96</sup>
Seal Kit .....		5698 <sup>95</sup>
<b>1982</b>	<b>All</b>	
Hub Assembly .....		513011K <sup>96</sup>
Seal Kit .....		5699 <sup>95</sup>

### REAR WHEEL

<b>1990</b>	<b>All</b>	
Hub Assembly .....		513018
<b>1989-1984</b>	<b>(JA1 Brks.)</b>	
Hub Assembly .....		513003

<sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- FRONT DRIVE - Celebrity (cont.)</b>					
<b>REAR WHEEL(cont)</b>			<b>4-SPEED MANUAL TRANSAXLE(cont)</b>		
1989-1984	(JA2, JA8 Brks.)		<b>Output Shaft</b>		
	Hub Assembly .....	513018	1986-1984	All	
1983	(JA1, JA8, Brks.)			Repair Sleeve; RH .....	99139
	Hub Assembly .....	513003		Repair Sleeve; LH .....	99139
1983	(JA2 Brks.)			Seal ; RH .....	3543
	Hub Assembly .....	513018		Seal ; LH .....	3543
1982	All			Cone/Cup ; RH .....	15101-15245
	Hub Assembly .....	513003		Cup/Cone; LH .....	A5
<b>CLUTCH</b>			<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Release Bearing</b>			1986-1984	All	
1990-1986	5 Spd w/ Muncie Trans			Seal .....	3667
	Bearing Assembly .....	614069	<b>Input Shaft</b>		
1990-1982	5 Spd w/ Isuzu Trans		1986-1984	All	
	Bearing Assembly .....	614108		Cone/Cup ; Rr .....	15101-15245
<b>3-SPEED AUTOMATIC TRANSAXLE</b>				Seal ; Frt .....	3732S
<b>Output Shaft</b>				Cup/Cone; Frt .....	A4
1990-1982	All		<b>5-SPEED MANUAL TRANSAXLE</b>		
	Repair Sleeve .....	99139	<b>Differential</b>		
	Seal .....	3543	1989-1987	(Isuzu )	
<b>Selector Shaft Seal/Man. Shaft</b>				Cone/Cup .....	32008
1990-1982	All		1989-1987	(Muncie)	
	Repair Sleeve .....	340847		Cup/Cone .....	A18
	Seal .....		<b>Output Shaft</b>		
<b>Torque Converter</b>			1989-1987	(Isuzu )	
1990-1982	All			Repair Sleeve; RH .....	99139
	Repair Sleeve .....	4072N		Repair Sleeve; LH .....	99139
	Seal .....			Seal ; RH .....	3543
<b>Oil Pump</b>				Seal ; LH .....	3543
1984-1982	(THM125) (1st design)			Cone/Cup ; RH .....	32206
	Seal .....	253747		Cup/Cone; LH .....	A5
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			1989-1987	(Muncie)	
<b>Torque Converter / Frt Pump</b>				Repair Sleeve .....	99139
1990-1984	All			Seal .....	3543
	Repair Sleeve .....	4072N	<b>Selector Shaft Seal/Man. Shaft</b>		
	Seal .....		1989-1987	All	
<b>Output Shaft</b>				Seal .....	3667
1990-1984	All		<b>Input Shaft</b>		
	Repair Sleeve; RH .....	99139	1989-1987	(Isuzu )	
	Repair Sleeve; LH .....	99139		Cone/Cup ; Rr .....	30306
	Seal ; RH .....	3543		Cone/Cup ; Frt .....	32206
	Seal ; LH .....	710096		Repair Sleeve .....	222835
<b>Selector Shaft Seal/Man. Shaft</b>				Seal .....	
1990-1984	All		1989-1987	(Muncie)	
	Repair Sleeve .....	340847		Ball Bearing .....	305DD
	Seal .....		<b>ALTERNATOR</b>		
<b>4-SPEED MANUAL TRANSAXLE</b>			1990-1983	All	
<b>Differential</b>				Ball Bearing ; Rear End .....	100CC4
1986-1984	All			Ball Bearing ; Drive End .....	203FF
	Cup/Cone .....	A18			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- FRONT DRIVE - Celebrity (cont.)

### CRANKSHAFT FRONT SEAL

<b>4 Cylinder</b>		
1990-1982	151/2.5L	
Repair Sleeve .....		99176
Seal .....		9845
<b>6 Cylinder</b>		
1990	189/3.1L	
Repair Sleeve .....		99176
Seal .....		9845
1989-1982	173/2.8L	
Repair Sleeve .....		99176
Seal .....		9845
1985-1982	260/4.3 (Diesel)	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

<b>4 Cylinder</b>		
1990-1982	151/2.5L	
Repair Sleeve .....		99300
Seal .....		3698

### CRANKSHAFT REAR SEAL(cont)

<b>6 Cylinder</b>		
1990	191/3.1L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
1989-1985	173/2.8L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
1985-1982	260/4.3 (Diesel)	
Seal Rope .....		5095
1984-1982	173/2.8L	
Seal .....		5210

## CHEVROLET- FRONT DRIVE - Citation

### FRONT WHEEL

1983-1980	All	
Hub Assembly .....		513011K <sup>96</sup>

### REAR WHEEL

1983-1980	All	
Hub Assembly .....		513012

### 3-SPEED AUTOMATIC TRANSAXLE

<b>Output Shaft</b>		
1983-1980	All	
Repair Sleeve .....		99139
Seal .....		3543

<b>Selector Shaft Seal/Man. Shaft</b>		
1983-1980	All	
Repair Sleeve .....		8792S
Seal .....		

<b>Torque Converter</b>		
1983-1982	All	
Repair Sleeve .....		4072N
Seal .....		
1981-1980	All	
Seal .....		3583

### 4-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
1983-1980	All	
Cup/Cone .....		A18

### 4-SPEED MANUAL TRANSAXLE(cont)

<b>Output Shaft</b>		
1983-1980	All	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		3543
Cone/Cup ; RH .....		15101-15245
Cup/Cone; LH .....		A5

<b>Selector Shaft Seal/Man. Shaft</b>		
1983-1980	All	
Seal .....		3667

<b>Input Shaft</b>		
1983-1980	All	
Cone/Cup ; Rr .....		15101-15245
Seal ; Frt .....		3732S
Cup/Cone; Frt .....		A4

### ALTERNATOR

1983	All	
Ball Bearing ; Drive End .....		203FF
1983-1980	All	
Needle Bearing; Rear End .....		MNJ471S
1982-1980	All	
Ball Bearing ; Drive End .....		203S

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- FRONT DRIVE - Citation (cont.)

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1983-1980	151ci/2.5L	
Repair Sleeve .....		99176
Seal .....		9845

#### 6 Cylinder

1983-1980	173ci/2.8L	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1983-1980	151ci/2.5L	
Repair Sleeve .....		99300
Seal .....		3698

#### 6 Cylinder

1983-1980	173ci/2.8L	
Seal .....		5210

## CHEVROLET- FRONT DRIVE - Cobalt

### FRONT WHEEL

2007-2005	(ABS) (Non-Sport Suspension)	
Hub Assembly .....		513204
2007-2005	(Non-ABS) (Non-Sport Suspension)	
Hub Assembly .....		513205

### REAR WHEEL

2007-2005	(ABS) (Drum)	
Hub Assembly .....		512247
2007-2005	(Non-ABS) (Drum)	
Hub Assembly .....		512248

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2006-2005	(4T45E)	
Repair Sleeve .....		4072N
Seal .....		

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

2006-2005	2.0L (DOHC)	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT FRONT SEAL(cont)

#### 4 Cylinder(cont)

2006-2005	2.2L (DOHC)	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2006-2005	2.0L (DOHC)	
Seal Viton .....		710237
2006-2005	2.2L (DOHC)	
Seal Viton .....		710237

## CHEVROLET- FRONT DRIVE - Impala, Lumina, Monte Carlo

### FRONT WHEEL

2007-2006	(Non-ABS)	
Hub Assembly .....		513160
2005-2000	Impala, Monte Carlo (ABS)	
Hub Assembly .....		513121 <sup>94</sup>

### FRONT WHEEL(cont)

2005-2000	Impala, Monte Carlo (Non-ABS)	
Hub Assembly .....		513160
2001-1990	Lumina	
Hub Assembly .....		513044

<sup>94</sup> Incl: Metal and Plastic Clip

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- FRONT DRIVE - Impala, Lumina, Monte Carlo (cont.)</b>					
<b>FRONT WHEEL(cont)</b>			<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
1999-1995	Monte Carlo		<b>Selector Shaft Seal/Man. Shaft</b>		
	Hub Assembly .....	513044	2002-1990	All	
<b>REAR WHEEL</b>				Repair Sleeve .....	8792S
	Hub Assembly .....	513018		Seal .....	
2007-2006	(Non-ABS)		<b>5-SPEED MANUAL TRANSAXLE</b>		
	Hub Assembly .....	513018	<b>Differential</b>		
2005-2000	Impala, Monte Carlo (ABS)		1992-1991	All	
	Hub Assembly .....	512237		Cup/Cone .....	A18
2005-2000	Impala, Monte Carlo (Non-ABS)		<b>Output Shaft</b>		
	Hub Assembly .....	513018	1992-1991	All	
2002-2000	Impala (Drum Brks.)			Repair Sleeve; RH .....	2003N
	Hub Assembly .....	513018		Repair Sleeve; LH .....	2003N
2001-2000	Lumina (ABS)			Seal ; RH .....	LM503349A-LM503310
	Hub Assembly .....	512151		Seal ; LH .....	A5
2001-2000	Lumina (Non-ABS)			Cone/Cup ; RH .....	
	Hub Assembly .....	513018		Cup/Cone; LH .....	
1999-1997	(ABS)		<b>Selector Shaft Seal/Man. Shaft</b>		
	Hub Assembly .....	512151	1992-1991	All	
1999-1990	(Non-ABS)			Seal .....	3667
	Hub Assembly .....	513018	<b>Input Shaft</b>		
1996-1992	(ABS)		2003-2000	All	
	Hub Assembly .....	512004		Repair Sleeve .....	222835
<b>3-SPEED AUTOMATIC TRANSAXLE</b>				Seal .....	
<b>Output Shaft</b>			1992-1991	All	
1993-1990	All			Ball Bearing .....	305DD
	Repair Sleeve .....	99139	<b>ALTERNATOR</b>		
	Seal .....	3543	1998	All	
<b>Selector Shaft Seal/Man. Shaft</b>				Ball Bearing ; Rear End .....	100CC4
1993-1990	All		1992-1991	All	
	Repair Sleeve .....	8792S		Ball Bearing ; Drive End .....	203FF
	Seal .....		<b>A/C COMPRESSOR</b>		
<b>Torque Converter</b>			2002-1990	(Harrison V5)	
1993-1990	All			Ball Bearing .....	907257
	Repair Sleeve .....	4072N	<b>POWER STEERING</b>		
	Seal .....		<b>Pump Shaft</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			2002-1992	All	
<b>Torque Converter / Frt Pump</b>				Seal .....	7013S
2006-1990	(4T60E, 4T65E)		1991-1990	All	
	Repair Sleeve .....	4072N		Ball Bearing .....	203FF
	Seal .....		<b>CAMSHAFT SEAL</b>		
<b>Output Shaft</b>			<b>6 Cylinder</b>		
2006-1997	(4T65 E)		1997-1991	201/3.4L (DOHC)	
	Repair Sleeve; RH .....	99139		Seal Viton .....	474241V
	Repair Sleeve; LH .....	99139		Repair Sleeve .....	
	Seal ; RH .....	3543	<b>CRANKSHAFT FRONT SEAL</b>		
	Seal ; LH .....	100165	<b>4 Cylinder</b>		
1999-1990	(4T60E)		1993	134/2.2L	
	Repair Sleeve; RH .....	99139		Repair Sleeve .....	99176
	Repair Sleeve; LH .....	99139		Seal .....	9845
	Seal ; RH .....	3543			
	Seal ; LH .....	710096			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- FRONT DRIVE - Impala, Lumina, Monte Carlo (cont.)

### CRANKSHAFT FRONT SEAL(cont)

#### 4 Cylinder(cont)

1992-1990	151/2.5L	
Repair Sleeve .....		99176
Seal .....		9845

#### 6 Cylinder

2006	3.5L	
Repair Sleeve .....		99176
Seal .....		9845

2006	3.9L	
Repair Sleeve .....		99176
Seal .....		9845

2005-2000	201/3.4L OHV	
Repair Sleeve .....		99176
Seal .....		9845

2005-1998	3800/3.8L	
Seal Viton .....		710162
Repair Sleeve .....		99193

2001-1995	191/3.1L	
Repair Sleeve .....		99176
Seal .....		9845

1997-1991	201/3.4L (DOHC)	
Repair Sleeve .....		99176
Seal .....		9845

#### 8 Cylinder

2006	5.3L	
Seal Viton .....		99210
Repair Sleeve .....		

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1993	134/2.2L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

1992-1990	151/2.5L	
Repair Sleeve .....		99300
Seal .....		3698

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

2006	3.5L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

2006	3.9L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

2005-2000	201/3.4L OHV	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

2005-1998	3.8L	
Seal Viton .....		320691
Repair Sleeve .....		

2001-1995	191/3.1L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

1997-1991	201/3.4L (DOHC)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

#### 8 Cylinder

2006	5.3L	
Seal .....		100085

## CHEVROLET- FRONT DRIVE - Malibu, Fleet Classic (Fleet Vehicle)

### FRONT WHEEL

2007-2004	All	
Hub Assembly .....		513214
2003-1997	All	
Hub Assembly .....		513137

### REAR WHEEL

2007-2004	(Disc)	
Hub Assembly .....		512285
2007-2004	(Drum)	
Hub Assembly; ABS .....		512285
Hub Assembly; Non-ABS .....		512287
2005-2002	(N Body Code)	
Hub Assembly .....		512152

### REAR WHEEL(cont)

2001-1997	All	
Hub Assembly .....		512003

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2006-1997	(4T40E, 4T45E, 4T65E)	
Repair Sleeve .....		4072N
Seal .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- FRONT DRIVE - Malibu, Fleet Classic (Fleet Vehicle) (cont.)

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

#### Output Shaft

2006	(4T65 E)	
Repair Sleeve; RH	.....	99139
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	3543
Seal ; LH	.....	100165

#### Selector Shaft Seal/Man. Shaft

2002-1997	All	
Repair Sleeve	.....	8792S
Seal	.....	

### A/C COMPRESSOR

2002-1997	(Harrison V5)	
Ball Bearing	.....	907257

### POWER STEERING

#### Pump Shaft

2002-1997	All	
Seal	.....	7013S

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1999-1997	146/2.4L	
Seal Viton	.....	320259
Repair Sleeve	.....	99199

#### 6 Cylinder

2006	3.9L	
Repair Sleeve	.....	99176
Seal	.....	9845

### CRANKSHAFT FRONT SEAL(cont)

#### 6 Cylinder(cont)

2006-2004	213/3.5L	
Repair Sleeve	.....	99176
Seal	.....	9845
2003-1997	191/3.1L	
Repair Sleeve	.....	99176
Seal	.....	9845

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2006-2004	2.2L (DOHC)	
Seal Viton	.....	710237
1999-1997	146/2.4L	
Seal	.....	40375

#### 6 Cylinder

2006	3.9L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
2006-2004	213/3.5L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
2003-1997	191/3.1L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273

## CHEVROLET- REAR DRIVE - Bel Air, Biscayne, Brookwood, Caprice (pre 94), Estate Wagon, Impala (pre 94), Kingswood, Police, Taxi, Townsman

### FRONT WHEEL

1993-1980	All	
Seal ; Inner	.....	8871
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A3

### REAR WHEEL

1993-1980	(Chevrolet C Axle) (7.5", 7.75", 8.5" R.G.)	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>91</sup>

### REAR WHEEL(cont)

1993-1980	(Police, Taxi) (Wagons) (Pontiac PAXle) (Limited Slip Differential) (8.5", 8.75", 8.875" R.G.)	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>

### REAR AXLE

#### Differential

1993-1990	(7.5" R.G., 7.625" R.G.)	
Cone/Cup	.....	LM501349-LM501314
1988-1980	(7.5", 7.625", 8.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314
1983-1980	(8.75", 8.875" R.G.) (P, M Axle)	
Cup/Cone	.....	A36

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- REAR DRIVE - Bel Air, Biscayne, Brookwood, Caprice (pre 94), Estate Wagon, Impala (pre 94), Kingswood, Police, Taxi, Townsman (cont.)</b>					

## REAR AXLE(cont)

### Pinion

<b>1993-1990</b>	<b>(7.5" R.G., 7.625" R.G.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
<b>1993-1990</b>	<b>(8.5", 8.75", 8.875" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1988-1980</b>	<b>(7.5" R.G.) (3.125" Brg. O.D.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
<b>1988-1980</b>	<b>(8.5", 8.75" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1987-1980</b>	<b>(8.875" R.G.) (Exc. Wagon)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1981-1980</b>	<b>(7.5" R.G.) (3" Brg. O.D.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89449-HM89410	

## DRIVESHAFT SUPPORT

<b>1982-1980</b>	<b>(Spicer 1280 1310) (1.1811" Brg.I.D.)</b>	
Ball Bearing .....		206FF

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1991-1980</b>	<b>(THM200, 350)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

<b>1991-1980</b>	<b>(THM200)</b>	
Repair Sleeve .....		8792S
Seal .....		
<b>1989-1980</b>	<b>(THM400)</b>	
Repair Sleeve .....		8792S
Seal .....		
<b>1988-1980</b>	<b>(THM250, 350, 375)</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>1991-1980</b>	<b>(THM200)</b>	
Repair Sleeve .....		99174
Seal .....		3227

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter(cont)

<b>1990-1983</b>	<b>(HM3L80)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA
<b>1984-1980</b>	<b>(Turbo Hydramatic Exc. THM200)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1993-1990</b>	<b>(4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
<b>1993-1982</b>	<b>(THM700 R4)</b>	
Repair Sleeve .....		99149
Seal .....		9613S

### Selector Shaft Seal/Man. Shaft

<b>1993-1990</b>	<b>(4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....		8792S
Seal .....		
<b>1993-1982</b>	<b>(THM700 R4)</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>1993-1990</b>	<b>(4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1993-1982</b>	<b>(THM700 R4)</b>	
Repair Sleeve .....		99174
Seal .....		3227

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

<b>1988-1980</b>	<b>(Saginaw)</b>	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S

## ALTERNATOR

<b>1993-1983</b>	<b>(Delco 120, 124 Amp.)</b>	
Ball Bearing ; Rear End .....		100CC4
Ball Bearing ; Drive End .....		203FF
<b>1989-1980</b>	<b>(Delco Exc. 62, 70, 85, 100, 108, 120, 124 Amp.)</b>	
Ball Bearing ; Drive End .....		203F
Needle Bearing; Rear End .....		MNJ471S

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>1993-1985</b>	<b>262ci/4.3L</b>	
Repair Sleeve .....		99176
Seal .....		9845

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- REAR DRIVE - Bel Air, Biscayne, Brookwood, Caprice (pre 94), Estate Wagon, Impala (pre 94), Kingswood, Police, Taxi, Townsman (cont.)</b>					

## CRANKSHAFT FRONT SEAL(cont)

<b>6 Cylinder(cont)</b>		
1985-1980	229/3.8L 231/3.8L	
Repair Sleeve	.....	99176
Seal	.....	9845
<b>8 Cylinder</b>		
1993-1990	350/5.7L	
Repair Sleeve	.....	99176
Seal	.....	9845
1993-1980	305/5.0L	
Repair Sleeve	.....	99176
Seal	.....	9845
1990-1986	307/5.0L	
Seal Viton	.....	320259
Repair Sleeve	.....	99199
1985-1980	350/5.7L (Diesel)	
Seal Viton	.....	320259
Repair Sleeve	.....	99199
1982-1980	267/4.4L	
Repair Sleeve	.....	99176
Seal	.....	9845

## CRANKSHAFT REAR SEAL

<b>6 Cylinder</b>		
1993-1986	262ci/4.3L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1985	262/4.3L	
Seal	.....	5092
1985-1980	231/3.8L	
Seal	.....	5591
1984-1980	229/3.8L	
Seal	.....	5092
<b>8 Cylinder</b>		
1993-1980	305/5.0L	
Seal	.....	5092
1993-1980	350/5.7L code (L), (V)	
Seal	.....	5092
1990-1986	307/5.0L	
Seal	.....	5092
1985-1980	350/5.7L (Diesel)	
Seal	.....	5591
1982-1980	267/4.4L	
Seal	.....	5092

## CHEVROLET- REAR DRIVE - Camaro, IROC, SLP, SS, Z-28

### FRONT WHEEL

2002-1993	All	
Hub Assembly	.....	513090
1992-1988	(Exc. Z28, IROC)	
Seal ; Inner	.....	8871
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A34
1992-1988	Z28, IROC	
Seal ; Inner	.....	8871
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A3
1987-1982	All	
Seal ; Inner	.....	8871
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A34
1981-1980	All	
Seal ; Inner	.....	8871
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A3

### REAR WHEEL

2002-1991	All	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>11</sup>

### REAR WHEEL(cont)

1990-1987	(7.75" R.G.)	
Seal ; RH	.....	710179
Seal ; LH	.....	224255
Wheel Brg; LH	.....	A9
Wheel Brg; RH	.....	A9
1990-1987	(Exc. 7.75" R.G.)	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>11</sup>
1986-1980	All	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>11</sup>

### REAR AXLE

<b>Differential</b>		
2002-1980	(7.5", 7.625", 8.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314
<b>Pinion</b>		
2002-1999	All	
Seal	.....	8611N
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM89249-HM89210

<sup>11</sup> Exc Traction Control

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- REAR DRIVE - Camaro, IROC, SLP, SS, Z-28 (cont.)</b>					

<b>REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
1998-1982	(7.5" R.G., 7.625" R.G.)	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
1990-1987	(7.75" R.G.)	
Seal .....		7457N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89446-HM89410	
1981-1980	All	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
2002-1993	8 Cyl	
Ball Bearing .....		57080
2002-1982	6 Cyl	
Bushing .....		PB652HD
1992	8 Cyl 5.0L LB9	
Ball Bearing .....		57080
1992	8 Cyl w/o 5.0L LB9	
Bushing .....		PB656HD
1991-1967	8 Cyl	
Ball Bearing .....		PB656HD
<b>Release Bearing</b>		
2002-1998	8 Cyl	
Bearing Assembly .....		614174
2002-1995	6 Cyl 3800ci/3.8L	
Bearing Assembly .....		614174
1997-1993	8 Cyl	
Bearing Assembly .....		614116
1995-1985	6 Cyl w/o 3800cc/3.8L	
Bearing Assembly .....		614083
1992-1985	8 Cyl	
Bearing Assembly .....		614083

<b>AUTOMATIC TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1992-1990	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		8792S
Seal .....		
1992-1980	(THM200)	
Repair Sleeve .....		8792S
Seal .....		
1989-1980	(THM400)	
Repair Sleeve .....		8792S
Seal .....		
1988-1982	(THM700 R4)	
Repair Sleeve .....		8792S
Seal .....		

<b>AUTOMATIC TRANSMISSION(cont)</b>		
<b>Selector Shaft Seal/Man. Shaft(cont)</b>		
1988-1980	(THM250, 350, 375)	
Repair Sleeve .....		8792S
Seal .....		
1987-1980	(THM180)	
Repair Sleeve .....		8792S
Seal .....		

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1984-1980	(THM200, 350)	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
1992-1980	All	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
1984-1980	(THM200)	
Repair Sleeve .....		99174
Seal .....		3227
1981-1980	(THM350, 400)	
Repair Sleeve .....		99187
Seal .....		6712NA

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2002-1982	(THM700) (4L60 E)	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1982	All	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
2002-1982	(THM700) (4L60 E)	
Repair Sleeve .....		99174
Seal .....		3227

<b>3-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1981-1980	All	
Seal .....		240735
<b>Front Input Shaft</b>		
1981-1980	(Saginaw)	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- REAR DRIVE - Camaro, IROC, SLP, SS, Z-28 (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

<b>1981-1980 (Saginaw)</b>	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	

## 4-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1984-1980 (Saginaw)</b>	
Seal .....	24073S
<b>1984-1980 (Warner)</b>	
Seal .....	7399S

### Input Shaft

<b>1984-1982 (Warner)</b>	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5
<b>1984-1980 (Saginaw)</b>	
Ball Bearing .....	207SLB
Repair Sleeve .....	99125
Seal .....	7412S
<b>1982-1980 (Warner 32 spline)</b>	
Ball Bearing .....	99125
Repair Sleeve .....	7412S
Seal .....	

### Rear Output Shaft

<b>1984-1982 (Warner)</b>	
Cone/Cup .....	25877-25821
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200
<b>1984-1980 (Saginaw)</b>	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	
<b>1982-1980 (Warner 32 spline)</b>	
Ball Bearing .....	1307L
Seal .....	472572

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

<b>2002-1982 (Borg Warner /Tremec-T5)</b>	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5

### Rear Output Shaft

<b>2002-1982 (Borg Warner /Tremec-T5)</b>	
Cone/Cup .....	25877-25821
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

## 5-SPEED MANUAL TRANSMISSION(cont)

### Front Countershaft

<b>2002-1988 (Borg Warner /Tremec-T5)</b>	
Cone/Cup ; Frt .....	A6
Cup/Cone; Rr .....	

## 6-SPEED MANUAL TRANSMISSION

### Front Input Shaft

<b>2002-1993 (Borg Warner /Tremec-T56)</b>	
Cone/Cup .....	M88048-M88010
Cone/Cup ; Rr .....	32008
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone; Frt .....	A5

### Rear Output Shaft

<b>2002-1993 (Borg Warner /Tremec-T56)</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Cup/Cone .....	A16
Seal Kit .....	5200

## ALTERNATOR

<b>2001-1989 All</b>	
Ball Bearing ; Rear End .....	100CC4
<b>1989-1983 All</b>	
Ball Bearing ; Drive End .....	203FF
<b>1989-1980 All</b>	
Needle Bearing; Rear End .....	MNJ471S
<b>1982-1980 All</b>	
Ball Bearing ; Drive End .....	203S

## A/C COMPRESSOR

<b>2002-1980 All</b>	
Ball Bearing .....	907257
<b>1995-1980 All</b>	
Needle Bearing; Frt Head .....	S128

## POWER STEERING

### Pump Shaft

<b>2002-1987 All</b>	
Seal .....	7013S
<b>1986-1983 (integral reservoir)</b>	
Ball Bearing .....	203FF
<b>1986-1980 (remote reservoir)</b>	
Seal .....	7013S

### Worm Shaft

<b>1987-1980 All</b>	
Seal .....	222025

### Pitman Shaft

<b>1987-1982 All</b>	
Seal Kit .....	PSK1
<b>1981-1980 (605 Gear) (round side cover)</b>	
Seal .....	710285

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- REAR DRIVE - Camaro, IROC, SLP, SS, Z-28 (cont.)</b>					

## POWER STEERING(cont)

<b>Pitman Shaft(cont)</b>		
1981-1980	(800 Gear) (4 bolt side cover)	
Seal ; Inner	.....	471413
Seal ; Outer	.....	7412S
Seal Kit	.....	PSK1
Repair Sleeve; Outer	.....	99125

## CRANKSHAFT FRONT SEAL

<b>4 Cylinder</b>		
1986-1982	151/2.5L	
Repair Sleeve	.....	99176
Seal	.....	9845
<b>6 Cylinder</b>		
2002-1995	3800/3.8L	
Seal Viton	.....	710162
Repair Sleeve	.....	99193
1995-1993	201/3.4L	
Repair Sleeve	.....	99176
Seal	.....	9845
1992-1990	191/3.1L	
Repair Sleeve	.....	99176
Seal	.....	9845
1989-1982	173/2.8L	
Repair Sleeve	.....	99176
Seal	.....	9845
1981-1980	229/3.8L	
Repair Sleeve	.....	99176
Seal	.....	9845
1981-1980	231/3.8L	
Seal	.....	710163
<b>8 Cylinder</b>		
2002-1980	350/5.7L	
Repair Sleeve	.....	99176
Seal	.....	9845
1992-1980	305/5.0L	
Repair Sleeve	.....	99176
Seal	.....	9845
1981-1980	267/4.4L	
Repair Sleeve	.....	99176
Seal	.....	9845

## CRANKSHAFT REAR SEAL

<b>4 Cylinder</b>		
1986-1982	151/2.5L	
Repair Sleeve	.....	99300
Seal	.....	3698
<b>6 Cylinder</b>		
2002-1995	3800/3.8L	
Seal Viton	.....	320691
Repair Sleeve	.....	

## CRANKSHAFT REAR SEAL(cont)

<b>6 Cylinder(cont)</b>		
1995-1993	201/3.4L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
1992-1990	191/3.1L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
1989-1982	173/2.8L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
1981-1980	229/3.8L	
Seal	.....	5092
1981-1980	231/3.8L	
Seal	.....	5591
<b>8 Cylinder</b>		
2002-1998	346/5.7L (GEN III)	
Seal	.....	100085
1997-1987	350/5.7L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1992-1986	305/5.0L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1985-1980	305/5.0L	
Seal	.....	5092
1981-1980	267/4.4L	
Seal	.....	5092
1981-1980	350/5.7L	
Seal	.....	5092

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Caprice, Impala

### FRONT WHEEL

<b>1996-1994</b>	<b>All</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

### REAR WHEEL

<b>1996-1994</b>	<b>(Sedan)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>1996-1994</b>	<b>(Wagon)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

### REAR AXLE

#### Differential

<b>1996-1994</b>	<b>All</b>	
Cone/Cup .....		LM501349-LM501314

#### Pinion

<b>1996-1994</b>	<b>(7.5" R.G., 7.625" R.G.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210
<b>1996-1994</b>	<b>(8.5", 8.75", 8.875" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1996-1994</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		9613S

### 4-SPEED AUTOMATIC TRANSMISSION(cont)

#### Selector Shaft Seal/Man. Shaft

<b>1996-1994</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

<b>1996-1994</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227

### CRANKSHAFT FRONT SEAL

#### 8 Cylinder

<b>1996-1994</b>	<b>265/4.3L</b>	
Repair Sleeve .....		99176
Seal .....		9845
<b>1996-1994</b>	<b>350/5.7L</b>	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

<b>1996-1994</b>	<b>265/4.3L</b>	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
<b>1996-1994</b>	<b>350/5.7L</b>	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		

## CHEVROLET- REAR DRIVE - Chevelle, Malibu

### FRONT WHEEL

<b>1983-1982</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34
<b>1981-1980</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

### REAR WHEEL

<b>1983-1980</b>	<b>All</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

### REAR AXLE

#### Differential

<b>1983-1980</b>	<b>(7.5", 8.125", 8.5" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1983-1980</b>	<b>(8.75", 8.875" R.G.)</b>	
Cup/Cone .....		A36

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET- REAR DRIVE - Chevelle, Malibu (cont.)</b>					

## REAR AXLE(cont)

**Pinion**

<b>1983-1980 (7.5" R.G.)</b>	
Seal .....	8611N
Cone/Cup ; Outer .....	M86649-M86610
Cone/Cup ; Inner .....	HM89449-HM89410
<b>1981-1980 (8.5" R.G.)</b>	
Repair Sleeve .....	99193
Seal .....	2043
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011

## 3-SPEED AUTOMATIC TRANSMISSION

**Rear Seal/Ext. Housing**

<b>1983-1980 (THM200, 350)</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

**Selector Shaft Seal/Man. Shaft**

<b>1983-1980 All</b>	
Repair Sleeve .....	8792S
Seal .....	

**Torque Converter**

<b>1983-1980 (THM200)</b>	
Repair Sleeve .....	99174
Seal .....	3227

## 3-SPEED MANUAL TRANSMISSION

**Selector Shaft Seal/Man. Shaft**

<b>1983-1980 All</b>	
Seal .....	240735

**Front Input Shaft**

<b>1983-1980 All</b>	
Repair Sleeve .....	99125
Seal .....	7412S
<b>1983-1980 (Saginaw)</b>	
Ball Bearing .....	207SLB

**Rear Output Shaft**

<b>1983-1980 All</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

## 4-SPEED MANUAL TRANSMISSION

**Selector Shaft Seal/Man. Shaft**

<b>1983-1980 All</b>	
Seal .....	240735

**Input Shaft**

<b>1983-1980 (Saginaw)</b>	
Ball Bearing .....	207SLB
Repair Sleeve .....	99125
Seal .....	7412S

## 4-SPEED MANUAL TRANSMISSION(cont)

**Rear Output Shaft**

<b>1983-1980 (Saginaw)</b>	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	

## ALTERNATOR

<b>1983 All</b>	
Ball Bearing ; Drive End .....	203FF
Needle Bearing; Rear End .....	MNJ471S
<b>1982-1980 All</b>	
Ball Bearing ; Drive End .....	203S
Needle Bearing; Rear End .....	MNJ471S

## POWER STEERING

**Pump Shaft**

<b>1983-1980 (Saginaw)</b>	
Seal .....	7013S

**Pitman Shaft**

<b>1983-1980 (605 Gear) (round side cover)</b>	
Seal .....	710182

## MANUAL STEERING

**Worm Shaft**

<b>1983-1980 All</b>	
Seal .....	474131

**Pitman Shaft**

<b>1983-1980 All</b>	
Seal .....	313842

## CRANKSHAFT FRONT SEAL

**6 Cylinder**

<b>1983-1982 260/4.3 (Diesel)</b>	
Repair Sleeve .....	99176
Seal .....	9845
<b>1983-1980 229/3.8L</b>	
Repair Sleeve .....	99176
Seal .....	9845
<b>1983-1980 231/3.8L</b>	
Seal .....	710163

**8 Cylinder**

<b>1983-1982 350/5.7L (Diesel)</b>	
Seal .....	472082
<b>1983-1980 305/5.0L</b>	
Repair Sleeve .....	99176
Seal .....	9845
<b>1982-1980 267/4.4L</b>	
Repair Sleeve .....	99176
Seal .....	9845
<b>1980 350/5.7L</b>	
Repair Sleeve .....	99176
Seal .....	9845

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Chevelle, Malibu (cont.)

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1983-1982	260/4.3 (Diesel)	
Seal Rope .....		5095
1983-1980	229/3.8L	
Seal .....		5092
1983-1980	231/3.8L	
Seal .....		5591

#### 8 Cylinder

1983-1982	350/5.7L (Diesel)	
Seal .....		5591
1983-1980	305/5.0L	
Seal .....		5092
1982-1980	267/4.4L	
Seal .....		5092
1980	350/5.7L	
Seal .....		5092

## CHEVROLET- REAR DRIVE - Chevette

### FRONT WHEEL

1987-1980	All	
Seal ; Inner .....		3357
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1

### REAR WHEEL

1987-1980	All	
Seal .....		3348
Cyl. Bearing .....		C5107EV

### REAR AXLE

#### Differential

1987-1980	All	
Cone/Cup .....		LM29749-LM29711

#### Pinion

1987-1980	All	
Seal .....		2440
Cone/Cup ; Outer .....		M84548-M84510
Cone/Cup ; Inner .....		M88047-M88010

### CLUTCH

#### Pilot Bearing

1986-1981	Diesel	
Ball Bearing .....		203FF

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1987-1980	All	
Repair Sleeve .....		99149
Seal .....		9613S

### 3-SPEED AUTOMATIC TRANSMISSION(cont)

#### Selector Shaft Seal/Man. Shaft

1987-1980	All	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

1987-1980	(THM180)	
Repair Sleeve .....		99187
Seal .....		6712NA
1987-1980	(THM200)	
Repair Sleeve .....		99174
Seal .....		3227

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1987-1980	All	
Ball Bearing .....		206SL
Seal .....		483488

#### Rear Output Shaft

1987-1980	All	
Ball Bearing .....		206L
Repair Sleeve .....		99149
Seal .....		9613S

### 5-SPEED MANUAL TRANSMISSION

#### Front Input Shaft

1987-1980	(Gas)	
Repair Sleeve .....		99125
Seal .....		7412S
Cup/Cone .....		A5
1986-1981	(Diesel)	
Seal .....		1990

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Chevette (cont.)

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## CHEVROLET- REAR DRIVE - Corvette

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Repair Sleeve .....		99155																																																																																																																																												
Cone/Cup ; Outer .....		M86647-M86610																																																																																																																																												
Cone/Cup ; Inner .....		HM88649-HM88610																																																																																																																																												

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Corvette (cont.)

### REAR AXLE(cont)

#### Pinion(cont)

<b>1996-1984</b>	<b>(M/T)</b>	
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1982-1980</b>	<b>All</b>	
Seal .....		5778
Cone/Cup ; Outer .....	M86647-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	

### CLUTCH

#### Pilot Bearing

<b>2001-1984</b>	<b>8 Cyl</b>	
Ball Bearing .....		57080

#### Release Bearing

<b>1993-1989</b>	<b>8 Cyl</b>	
Bearing Assembly .....		614117

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1981-1980</b>	<b>(THM350)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### Selector Shaft Seal/Man. Shaft

<b>1981-1980</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

<b>1981-1980</b>	<b>All</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>2006-1981</b>	<b>(THM700, 4L60E)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### Selector Shaft Seal/Man. Shaft

<b>2006-1982</b>	<b>(THM700, 4L60E)</b>	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

<b>2006-1982</b>	<b>(THM700, 4L60E)</b>	
Repair Sleeve .....		99174
Seal .....		3227

### 4-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

<b>1988-1980</b>	<b>(Saginaw)</b>	
Seal .....		240735

### 4-SPEED MANUAL TRANSMISSION(cont)

#### Selector Shaft Seal/Man. Shaft(cont)

<b>1988-1980</b>	<b>(Warner)</b>	
Seal .....		7399S

#### Input Shaft

<b>1988-1980</b>	<b>(Saginaw)</b>	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S

#### 1988-1980 (Warner)

Ball Bearing .....		99125
Repair Sleeve .....		7412S
Seal .....		

#### Rear Output Shaft

<b>1988-1980</b>	<b>(Saginaw)</b>	
Ball Bearing .....		99149
Repair Sleeve .....		9613S
Seal .....		5200
Seal Kit .....		

#### 1988-1980 (Warner)

Ball Bearing .....		1307L
Seal .....		472572

### 6-SPEED MANUAL TRANSMISSION

#### Rear Output Shaft

<b>2003-1997</b>	<b>(Borg Warner /Tremec-T56)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Cup/Cone .....		A16
Seal Kit .....		5200

#### 1996-1989 (ZF S6-40)

Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Countershaft

<b>2003-1997</b>	<b>(Borg Warner /Tremec-T56)</b>	
Cup/Cone; Frt .....		A5
Cone/Cup ; Middle .....		32008

### Main Shaft

<b>2003-1997</b>	<b>(Borg Warner /Tremec-T56)</b>	
Cone/Cup ; Rr .....		25572-25520
Cone/Cup ; Frt .....	M88048-M88010	
Seal ; Frt .....		7412S
Repair Sleeve; Frt .....		99125

### Front Input Shaft Pocket

<b>2003-1997</b>	<b>(Borg Warner /Tremec-T56)</b>	
Cup/Cone .....		A16

### ALTERNATOR

<b>1991-1986</b>	<b>All</b>	
Ball Bearing ; Rear End .....		100CC4
<b>1991-1984</b>	<b>All</b>	
Ball Bearing ; Drive End .....		203FF
<b>1985-1980</b>	<b>(w/o 62 Amp.)</b>	
Needle Bearing; Rear End .....		MNJ471S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Corvette (cont.)

<b>ALTERNATOR(cont)</b>		
1982-1980	All	
	Ball Bearing ; Drive End .....	203S
<b>A/C COMPRESSOR</b>		
2002-1980	All	
	Ball Bearing .....	907257
2001-1980	All	
	Needle Bearing; Frt Head .....	S128
<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
2001-1984	All	
	Ball Bearing .....	203FF
	Seal .....	221925
1982-1980	All	
	Seal .....	7013S
<b>Worm Shaft</b>		
1992-1980	All	
	Seal .....	222025
<b>Pitman Shaft</b>		
1992-1980	(800 Gear) (4 bolt side cover)	
	Seal Kit .....	PSK1
<b>MANUAL STEERING</b>		
<b>Pitman Shaft</b>		
1982-1980	All	
	Seal .....	313842

<b>CRANKSHAFT FRONT SEAL</b>		
<b>8 Cylinder</b>		
2006-2005	6.0L	
	Seal Viton .....	99210
	Repair Sleeve .....	
2004-1998	350/5.7L	
	Repair Sleeve .....	99176
	Seal .....	9845
1996-1990	350/5.7L OHV	
	Repair Sleeve .....	99176
	Seal .....	9845
1995-1990	350/5.7L (DOHC)	
	Seal .....	710173
1989-1980	350/5.7L OHV	
	Repair Sleeve .....	99176
	Seal .....	9845
1980	305/5.0L (California)	
	Repair Sleeve .....	99176
	Seal .....	9845
<b>CRANKSHAFT REAR SEAL</b>		
<b>8 Cylinder</b>		
2006-1998	5.7L, 6.0L	
	Seal .....	100085
1996-1986	350/5.7L	
	Seal Viton .....	4359V
	Repair Sleeve .....	99364
	Seal PTFE H/D .....	
1985-1980	350ci/5.7L	
	Seal .....	5092
1980	305/5.0L (California)	
	Seal .....	5092

## CHEVROLET- REAR DRIVE - Monte Carlo

<b>FRONT WHEEL</b>		
1988-1982	All	
	Seal ; Inner .....	8871
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A34
1981-1980	All	
	Seal ; Inner .....	8871
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A3
<b>REAR WHEEL</b>		
1988-1980	All	
	Seal .....	8660S
	Cyl. Bearing .....	5707
	Optional Repair Bearing .....	RP5707 <sup>91</sup>
<b>REAR AXLE</b>		
<b>Differential</b>		
1988-1980	(7.5", 8.125", 8.5" R.G.)	
	Cone/Cup .....	LM501349-LM501314

<b>REAR AXLE(cont)</b>		
<b>Pinion</b>		
1988-1981	(7.5" R.G.)	
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89249-HM89210
1988-1980	(8.5" R.G.)	
	Repair Sleeve .....	99193
	Seal .....	2043
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	M802048-M802011
1980	(7.5" R.G.)	
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Monte Carlo (cont.)

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1988-1980 (THM200)</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

<b>1988-1980 (THM350)</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

#### Selector Shaft Seal/Man. Shaft

<b>1988-1980 All</b>	
Repair Sleeve .....	8792S
Seal .....	

#### Torque Converter

<b>1988-1980 (THM200)</b>	
Repair Sleeve .....	99174
Seal .....	3227

<b>1984-1980 (THM350, 400)</b>	
Repair Sleeve .....	99187
Seal .....	6712NA

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1988-1983 (THM700 R4)</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

#### Selector Shaft Seal/Man. Shaft

<b>1988-1983 (THM700 R4)</b>	
Repair Sleeve .....	8792S
Seal .....	

#### Torque Converter

<b>1988-1983 (THM700 R4)</b>	
Repair Sleeve .....	99174
Seal .....	3227

### 3-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

<b>1981-1980 All</b>	
Seal .....	240735

#### Front Input Shaft

<b>1981-1980 (Saginaw)</b>	
Ball Bearing .....	1207SLB
Repair Sleeve .....	99125
Seal .....	7412S

#### Rear Output Shaft

<b>1981-1980 (Saginaw)</b>	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	

### 4-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

<b>1981-1980 (Saginaw)</b>	
Seal .....	240735

<b>1981-1980 (Warner)</b>	
Seal .....	7399S

#### Input Shaft

<b>1981-1980 (Saginaw)</b>	
Ball Bearing .....	207SLB
Repair Sleeve .....	99125
Seal .....	7412S

<b>1981-1980 (Warner)</b>	
Ball Bearing .....	99125
Repair Sleeve .....	7412S
Seal .....	

#### Rear Output Shaft

<b>1981-1980 (Saginaw)</b>	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	

<b>1981-1980 (Warner)</b>	
Ball Bearing .....	1307L
Seal .....	472572
Seal Kit .....	5200

### ALTERNATOR

<b>1988-1980 (w/o 62 Amp.)</b>	
Needle Bearing; Rear End .....	MNJ471S

<b>1987-1984 All</b>	
Ball Bearing ; Drive End .....	203FF

<b>1983-1980 All</b>	
Ball Bearing ; Drive End .....	203S

### POWER STEERING

#### Pump Shaft

<b>1988-1980 All</b>	
Seal .....	7013S

#### Worm Shaft

<b>1988-1980 All</b>	
Seal .....	222025

#### Pitman Shaft

<b>1988-1984 All</b>	
Seal Kit .....	PSK1

<b>1983-1980 (605 Gear) (round side cover)</b>	
Seal .....	710285

<b>1983-1980 (800 Gear) (4 bolt side cover)</b>	
Seal Kit .....	PSK1

### MANUAL STEERING

#### Worm Shaft

<b>1981-1980 All</b>	
Seal .....	474131

#### Pitman Shaft

<b>1981-1980 All</b>	
Seal .....	313842

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Monte Carlo (cont.)

<b>CRANKSHAFT FRONT SEAL</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>			<b>6 Cylinder</b>		
1988-1985	262/4.3L		1988-1985	262/4.3L	
Repair Sleeve .....		99176	Seal .....		5092
Seal .....		9845	1983-1982	260/4.3 (Diesel)	
1984-1980	229/3.8L		Seal Rope .....		5095
Repair Sleeve .....		99176	1983-1980	229/3.8L	
Seal .....		9845	Seal .....		5092
1984-1980	231/3.8L		1983-1980	231/3.8L	
Seal .....		710163	Seal .....		5591
1983-1982	260/4.3 (Diesel)		<b>8 Cylinder</b>		
Repair Sleeve .....		99176	1988-1980	305/5.0L	
Seal .....		9845	Seal .....		5092
<b>8 Cylinder</b>			1984-1982	350/5.7L (Diesel)	
1988-1980	305/5.0L		Seal .....		5591
Repair Sleeve .....		99176	1982-1980	267/4.4L	
Seal .....		9845	Seal .....		5092
1984-1982	350/5.7L (Diesel)				
Seal .....		472082			
1982-1980	267/4.4L				
Repair Sleeve .....		99176			
Seal .....		9845			

## CHEVROLET- REAR DRIVE - Monza, Vega

<b>FRONT WHEEL</b>			<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
1980	All		<b>Selector Shaft Seal/Man. Shaft</b>		
Seal ; Inner .....		8705S	1980	All	
Cup/Cone; Inner .....		A6	Repair Sleeve .....		340847
Cup/Cone; Outer .....		A1	Seal .....		
<b>REAR WHEEL</b>			<b>Torque Converter</b>		
1980	All		1980	(THM200)	
Seal .....		8660S	Repair Sleeve .....		99174
Cyl. Bearing .....		5707	Seal .....		3227
Optional Repair Bearing .....		RP5707 <sup>91</sup>	1980	(THM350, 375)	
<b>REAR AXLE</b>			Repair Sleeve .....		99187
<b>Differential</b>			Seal .....		6712NA
1980	(7.5" R.G.)		<b>3-SPEED MANUAL TRANSMISSION</b>		
Cone/Cup .....		LM501349-LM501314	<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Pinion</b>			1980	All	
1980	(7.5" R.G.)		Seal .....		312518
Seal .....		8611N	<b>Front Input Shaft</b>		
Cone/Cup ; Outer .....		M86649-M86610	1980	All	
Cone/Cup ; Inner .....			Ball Bearing .....		207SLB
<b>3-SPEED AUTOMATIC TRANSMISSION</b>			Repair Sleeve .....		99125
<b>Rear Seal/Ext. Housing</b>			Seal .....		7412S
1980	All				
Repair Sleeve .....		99149			
Seal .....		9613S			

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET- REAR DRIVE - Monza, Vega (cont.)

### 3-SPEED MANUAL TRANSMISSION(cont)

#### Rear Output Shaft

1980	(w/o 305)	
Ball Bearing .....		306SL
Repair Sleeve .....		99149
Seal .....		9613S

### 4-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1980	All	
Seal .....		312518

#### Input Shaft

1980	All	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S

#### Rear Output Shaft

1980	(w/o 305)	
Ball Bearing .....		306SL
Repair Sleeve .....		99149
Seal .....		9613S

### 5-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1980	All	
Seal .....		312518

#### Front Input Shaft

1980	All	
Seal .....		251511

#### Rear Output Shaft

1980	All	
Repair Sleeve .....		99149
Seal .....		9613S

### POWER STEERING

#### Pump Shaft

1980	(M/S Worm Shaft)	
Ball Bearing .....		8537
Seal .....		474131

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1980	151/2.5L	
Repair Sleeve .....		99176
Seal .....		9845

#### 6 Cylinder

1980	231/3.8L	
Seal .....		710163

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1980	151/2.5L	
Repair Sleeve .....		99300
Seal .....		3698

#### 6 Cylinder

1980	231/3.8L	
Seal .....		5591

## CHEVROLET IMPORTS- see also GEO 1989 through 1997 - Metro, Nova, Prizm, Spectrum, Sprint

### FRONT WHEEL

2002-1998	Prizm (ABS)	
Seal ; Inner .....		1993
Seal ; Outer .....		4898
Ball Bearing ; Inner .....		510007

### FRONT WHEEL(cont)

2002-1998	Prizm (Non-ABS)	
Seal ; Inner .....		1993
Seal ; Outer .....		4898
Ball Bearing ; Inner .....		510007
Seal Kit .....		5696 <sup>12</sup>
Hub Kit .....		518507 <sup>13</sup>
2001-1998	Metro	
Seal ; Inner .....		710394
Seal ; Outer .....		710175
Ball Bearing ; Inner .....		510001

<sup>12</sup> Incl w/ Hub Unit <sup>13</sup> Incl: Spindle, Brg and 2 Seals

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET IMPORTS-</b> see also GEO 1989 through 1997 - Metro, Nova, Prizm, Spectrum, Sprint (cont.)					

<b>FRONT WHEEL(cont)</b>		
1988-1987	Sprint (Exc. Turbo)	
	Ball Bearing .....	107DD
	Seal .....	224462
1988-1987	Sprint (Turbo)	
	Ball Bearing .....	514002
	Seal .....	710175
1988-1985	Nova	
	Seal .....	5686
	Seal ; Inner .....	4899
	Seal ; Outer .....	1884
	Ball Bearing ; Inner .....	514002
1988-1985	Spectrum (Exc. Turbo)	
	Seal ; Inner .....	710098
	Seal ; Outer .....	224254
	Ball Bearing ; Inner .....	B35
1988-1985	Spectrum (Turbo)	
	Seal ; Inner .....	710098
	Seal ; Outer .....	224254
	Wheel Brg; Inner .....	517006
1986-1985	Sprint	
	Ball Bearing .....	107DD
	Seal .....	224462

<b>REAR WHEEL</b>		
2002-1998	Prizm (ABS)	
	Hub Assembly .....	512184
2002-1998	Prizm (Non-ABS)	
	Hub Assembly .....	512018
2001-1998	Metro (ABS)	
	Hub Assembly .....	512204
2001-1998	Metro (Non-ABS)	
	Ball Bearing ; Inner .....	205F
	Ball Bearing ; Outer .....	204F
1988-1985	Nova	
	Ball Bearing .....	513031
	Seal .....	1180
1988-1985	Spectrum	
	Seal ; Inner .....	710309
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
1988-1985	Sprint	
	Ball Bearing ; Inner .....	205F
	Ball Bearing ; Outer .....	204F

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
2001-1998	4 Cyl 1324cc/1.3L	
	Ball Bearing .....	200CC
2000-1985	3 Cyl 1.0L	
	Ball Bearing .....	200CC
<b>Release Bearing</b>		
2002-1998	Prizm	
	Bearing Assembly .....	614152
2000-1998	Metro	
	Bearing Assembly .....	614082

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2001-1998	(Aisin A210)	
	Ball Bearing .....	207
1988-1987	(Aisin A210)	
	Ball Bearing .....	207
1988-1985	(Aisin A131)	
	Seal .....	710146
1988-1985	(Jatco F3A)	
	Cone/Cup .....	32008
1986-1985	(Aisin A210)	
	Ball Bearing .....	207S
<b>Output Shaft</b>		
2001-1998	(Aisin A210)	
	Repair Sleeve .....	99139
	Seal .....	223540
1988-1985	(Aisin A131)	
	Seal .....	710110
1988-1985	(Aisin A210)	
	Repair Sleeve .....	99139
	Seal .....	223540
1988-1985	(Jatco F3A)	
	Seal .....	223542
<b>Selector Shaft Seal/Man. Shaft</b>		
2001-1998	(Aisin A210)	
	Seal .....	710116
1988-1985	(Aisin A131)	
	Repair Sleeve .....	221207
	Seal .....	
1988-1985	(Aisin A210)	
	Seal .....	710116
<b>Torque Converter</b>		
2001-1998	(Aisin A210)	
	Repair Sleeve .....	223830
	Seal .....	
1988-1985	(Aisin)	
	Repair Sleeve .....	223830
	Seal .....	
1988-1985	(Jatco F3A)	
	Seal Viton .....	710078

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2002-1998	(Aisin)	
	Seal .....	710416
<b>Torque Converter / Frt Pump</b>		
2002-1998	(Aisin)	
	Repair Sleeve .....	223830
	Seal .....	
1988	(Aisin)	
	Repair Sleeve .....	223830
	Seal .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET IMPORTS-</b> see also <b>GEO 1989 through 1997 - Metro, Nova, Prizm, Spectrum, Sprint (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft

<b>2002-1998 (Aisin)</b>	
Seal ; RH .....	710110
Seal ; LH .....	710109
<b>1988 (Aisin)</b>	
Seal ; RH .....	710110
Seal ; LH .....	710109

### Selector Shaft Seal/Man. Shaft

<b>2002-1998 (Aisin)</b>	
Repair Sleeve .....	221207
Seal .....	
<b>1988 (Aisin)</b>	
Repair Sleeve .....	221207
Seal .....	

### Input Shaft

<b>1988 (Aisin)</b>	
Seal .....	710138

## 5-SPEED MANUAL TRANSAXLE

### Differential

<b>2001-1998 Suzuki MX1</b>	
Ball Bearing ; RH .....	107
Ball Bearing ; LH .....	207S
<b>1988-1985 (Isuzu )</b>	
Cone/Cup .....	32008
<b>1988-1985 Suzuki MX1</b>	
Ball Bearing .....	207S

### Output Shaft

<b>2002-1998 (Aisin)</b>	
Seal ; RH .....	710110
Seal ; LH .....	710109
<b>2001-1998 Suzuki MX1</b>	
Repair Sleeve; RH .....	99139
Repair Sleeve; LH .....	99139
Seal ; RH .....	223535
Seal ; LH .....	223552
<b>1988-1985 (Aisin)</b>	
Seal ; RH .....	710110
Seal ; LH .....	710109
<b>1988-1985 (Isuzu )</b>	
Repair Sleeve; RH .....	99139
Repair Sleeve; LH .....	99139
Seal ; RH .....	3543
Seal ; LH .....	3543
Cone/Cup ; RH .....	32206
Cup/Cone; LH .....	A5
<b>1988-1985 Suzuki MX1</b>	
Repair Sleeve; RH .....	99139
Repair Sleeve; LH .....	99139
Seal ; RH .....	223535
Seal ; LH .....	223552

## 5-SPEED MANUAL TRANSAXLE(cont)

### Selector Shaft Seal/Man. Shaft

<b>2002-1985 (Aisin)</b>	
Repair Sleeve .....	1015N
Seal .....	
<b>1988-1985 (Isuzu )</b>	
Seal .....	3667

### Input Shaft

<b>2002-1998 (Aisin)</b>	
Ball Bearing .....	101SS
Repair Sleeve .....	99098
Seal .....	320603
<b>2001-1998 Suzuki MX1</b>	
Cone/Cup ; LH .....	32204
Repair Sleeve; RH .....	222030
Seal ; RH .....	32004
Cone/Cup ; RH .....	
<b>1988-1985 (Aisin)</b>	
Ball Bearing .....	101SS
Repair Sleeve .....	99098
Seal .....	320603
<b>1988-1985 (Isuzu )</b>	
Cone/Cup ; Rr .....	30306
Cone/Cup ; Frt .....	32206
Repair Sleeve .....	222835
Seal .....	
<b>1988-1985 Suzuki MX1</b>	
Cone/Cup ; LH .....	32204
Repair Sleeve; RH .....	222030
Seal ; RH .....	32004
Cone/Cup ; RH .....	

### Countershaft

<b>1988-1985 Suzuki MX1</b>	
Cone/Cup ; LH .....	32204
Cone/Cup ; RH .....	

## ALTERNATOR

<b>1988-1985 (Nippondenso 45 Amp.)</b>	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	302CC
<b>1988-1985 (Nippondenso 50 Amp.)</b>	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	302CC
<b>1987-1985 (Nippondenso 55 Amp.)</b>	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	303CC

## A/C COMPRESSOR

<b>1988-1985 (Nippondenso)</b>	
Ball Bearing .....	5000KFF

## POWER STEERING

### Pump Shaft

<b>1988-1985 Nova</b>	
Seal .....	710156

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET IMPORTS-</b> see also GEO 1989 through 1997 - Metro, Nova, Prizm, Spectrum, Sprint (cont.)					

<b>POWER STEERING(cont)</b>		
<b>Pump Shaft(cont)</b>		
1988-1985	Spectrum	
Ball Bearing .....		203FF
<b>Worm Shaft</b>		
2002-1998	Prizm	
Seal .....		222630
1988-1985	Nova	
Seal ; Upper .....		710155
Seal ; Lower .....		710154
<b>Pitman Shaft</b>		
2002-1998	Prizm	
Seal .....		221510
1988-1985	Nova	
Seal .....		221510

<b>CAMSHAFT SEAL</b>		
<b>3 Cylinder</b>		
2000-1998	993cc/1.0L	
Repair Sleeve .....		99128
Seal .....		710310
1988-1985	993cc/1.0L	
Repair Sleeve .....		99128
Seal .....		710310
<b>4 Cylinder</b>		
2001-1998	1324cc/1.3L	
Repair Sleeve .....		99128
Seal .....		710310
1988	1588cc/1.6L (DOHC)	
Seal .....		1987
1988-1985	1471cc/1.5L	
Seal .....		710308
1988-1985	1588cc/1.6L	
Seal .....		1987

<b>CRANKSHAFT FRONT SEAL</b>		
<b>3 Cylinder</b>		
2000-1998	993cc/1.0L	
Repair Sleeve .....		99128
Seal .....		710310
1988-1985	993cc/1.0L	
Repair Sleeve .....		99128
Seal .....		710310
<b>4 Cylinder</b>		
2001-1998	1324cc/1.3L	
Repair Sleeve .....		99128
Seal .....		710310
1988-1985	1471cc/1.5L	
Seal .....		223220

<b>CRANKSHAFT REAR SEAL</b>		
<b>3 Cylinder</b>		
2000-1998	993cc/1.0L	
Seal .....		710334

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>3 Cylinder(cont)</b>		
1988-1985	993cc/1.0L	
Seal .....		710334
<b>4 Cylinder</b>		
2002-1998	1.8L (DOHC)	
Repair Sleeve .....		99300
Seal .....		3698
2001-1998	1324cc/1.3L	
Seal .....		710334
1988-1985	1471cc/1.5L	
Seal .....		228700
1988-1985	1588cc/1.6L	
Repair Sleeve .....		99272
Seal .....		227045

<b>OIL PUMP</b>		
<b>4 Cylinder</b>		
1988-1985	1471cc/1.5L	
Repair Sleeve .....		99157
Seal .....		224020
1988-1985	1588cc/1.6L	
Repair Sleeve .....		99128
Seal .....		223235

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET IMPORT TRUCK- SUV - Tracker</b>					
<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
2004-2001	All		<b>Torque Converter</b>		
	Hub Assembly .....	513193	2004-1998	0372LE / A44DE	
2000-1998	All			Seal .....	223605
	Seal ; Inner .....	710240	<b>5-SPEED MANUAL TRANSMISSION</b>		
	Seal ; Outer .....	710239	<b>Front Input Shaft</b>		
	Wheel Brg; Inner .....	517009	2002-1998	All	
<b>4WD/AWD</b>				Repair Sleeve .....	99098
2004-2001	All			Seal .....	222535
	Hub Assembly .....	513193	<b>Rear Output Shaft</b>		
2000-1998	All		2002-1998	All	
	Seal ; Inner .....	710240		Repair Sleeve .....	99098
	Seal ; Outer .....	710239		Seal .....	455134
	Wheel Brg; Inner .....	517009	<b>TRANSFER CASE</b>		
<b>REAR WHEEL</b>			<b>Input Shaft</b>		
2004-1998	All		2002-1998	All	
	Ball Bearing .....	511024		Ball Bearing .....	207
<b>4WD FRONT AXLE</b>				Repair Sleeve .....	99139
<b>Pinion</b>				Seal .....	223540
2004-1998	All		<b>Front Output Shaft</b>		
	Cone/Cup ; Outer .....	30306	2002-1998	All	
	Cone/Cup ; Inner .....	30307		Seal ; Outer .....	1213N
	Repair Sleeve; Outer .....	350572		Ball Bearing ; Inner .....	306L
	Seal Viton ; Outer .....			Repair Sleeve; Outer .....	99157
<b>REAR AXLE</b>				Ball Bearing ; Outer .....	RW122
<b>Pinion</b>			<b>Rear Output Shaft</b>		
2004-1998	All		2002-1998	All	
	Seal Viton .....	350572		Ball Bearing .....	RW122
	Repair Sleeve .....	30306		Repair Sleeve .....	99157
	Cone/Cup ; Outer .....	30307		Seal .....	1213N
	Cone/Cup ; Inner .....		<b>ALTERNATOR</b>		
<b>3-SPEED AUTOMATIC TRANSMISSION</b>			2001-1998	(Nippondenso)	
<b>Rear Seal/Ext. Housing</b>				Ball Bearing ; Drive End .....	303CC
1998	All		<b>POWER STEERING</b>		
	Seal .....	5200	<b>Pump Shaft</b>		
	Seal Kit .....		2001-1998	All	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal .....	221730
1998	All		<b>CAMSHAFT SEAL</b>		
	Repair Sleeve .....	8792S	<b>4 Cylinder</b>		
	Seal .....		2000-1998	1.6L	
<b>Torque Converter</b>				Repair Sleeve .....	99128
1998	All			Seal .....	710310
	Repair Sleeve .....	99187	<b>CRANKSHAFT FRONT SEAL</b>		
	Seal .....	6712NA	<b>4 Cylinder</b>		
<b>4-SPEED AUTOMATIC TRANSMISSION</b>			2003-1999	2.0L (DOHC)	
<b>Rear Seal/Ext. Housing</b>				Repair Sleeve .....	99128
2004-1998	0372LE / A44DE			Seal .....	710521
	Seal .....	710319			
<b>Selector Shaft Seal/Man. Shaft</b>					
2004-1998	0372LE / A44DE				
	Seal .....	221122			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET IMPORT TRUCK- SUV - Tracker (cont.)

<b>CRANKSHAFT FRONT SEAL(cont)</b>			<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>			<b>6 Cylinder</b>		
2000-1998	1.6L		2004-2001	2492cc/2.5L (DOHC)	
Repair Sleeve .....		99128	Seal .....		710520
Seal .....		710310			
<b>6 Cylinder</b>					
2004-2001	2492cc/2.5L (DOHC)				
Repair Sleeve .....		99128			
Seal .....		710521			
<b>CRANKSHAFT REAR SEAL</b>					
<b>4 Cylinder</b>					
2003-1999	2.0L (DOHC)				
Seal .....		710520			
2000-1998	1.6L				
Seal .....		710334			

## CHEVROLET/GMC TRUCK- Light Truck & Van - Astro / Safari

<b>FRONT WHEEL</b>			<b>4WD FRONT AXLE(cont)</b>		
<b>2WD</b>			<b>Pinion</b>		
2005-2003	All		2005-1990	All	
Hub Assembly .....		515044	Seal .....		8611N
2002-1991	All		Cone/Cup ; Outer .....		M86649-M86610
Seal ; Inner .....		4739	Cone/Cup ; Inner .....		
Cup/Cone; Inner .....		A6			
Cup/Cone; Outer .....		A3	<b>Axle Shaft</b>		
1990-1985	All		2007-1997	AAM ICA-7.25" R.G. (1.3125" Shaft)	
Seal ; Inner .....		8871	Seal .....		710491
Cup/Cone; Inner .....		A6	Needle Bearing; Outer .....		SCH78
Cup/Cone; Outer .....		A3	Needle Bearing; Pilot .....		B2010
<b>4WD/AWD</b>			Needle Bearing; Inner .....		
2002-1995	All		2007-1997	AAM ICA-7.25" R.G. (1.5748" Shaft)	
Hub Assembly .....		515019	Seal .....		710491
1994-1990	All		Needle Bearing; Outer .....		SCH78
Hub Assembly .....		515005	Needle Bearing; Pilot .....		HK4012
<b>REAR WHEEL</b>			Needle Bearing; Inner .....		
2005-2003	All		1996-1990	AAM ICA-7.25" R.G.	
Seal .....		4762N	Seal .....		223255
Cyl. Bearing .....		513067	Needle Bearing; Outer .....		SCH78
Optional Repair Bearing .....		RP513067 <sup>91</sup>	Needle Bearing; Pilot .....		B2010
2002-1985	All		Needle Bearing; Inner .....		
Seal Viton .....		4795V	<b>REAR AXLE</b>		
Cyl. Bearing .....		513023	<b>Differential</b>		
Optional Repair Bearing .....		RP513023 <sup>91</sup>	2005-1985	(7.5" R.G., 7.625" R.G.)	
<b>4WD FRONT AXLE</b>			Cone/Cup .....		LM501349-LM501314
<b>Differential</b>			2003-2002	(8.5" R.G.)	
2005-1990	All		Cup/Cone .....		A36
Cup/Cone .....		A18	2001-1997	(8.5" R.G.)	
			Cone/Cup .....		LM501349-LM501314

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - Astro / Safari (cont.)</b>					

## REAR AXLE(cont)

### Pinion

<b>2005-2003</b>	<b>(7.625" R.G.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
<b>2004-1997</b>	<b>(8.5" R.G.)</b>	
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....		
<b>2002-2000</b>	<b>(7.625" R.G.) (1 st Design) (1.5" Seal I.D.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
<b>2002-2000</b>	<b>(7.625" R.G.) (2 nd Design) (1.687" Seal I.D.)</b>	
Seal .....		8516N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
<b>1999-1985</b>	<b>(7.5" R.G.)</b>	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2005-2003</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>2002-1985</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

<b>2005-1985</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>2005-1993</b>	<b>(4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1992-1985</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227

## 4-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1987-1985</b>	<b>All</b>	
Seal .....		24073S

### Input Shaft

<b>1987-1985</b>	<b>All</b>	
Repair Sleeve .....		99125
Seal .....		7412S
Cup/Cone .....		A5

## 4-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

<b>1987-1985</b>	<b>All</b>	
Cone/Cup .....		25877-25821
Repair Sleeve .....		99149
Seal .....		9613S

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

<b>1989-1985</b>	<b>All</b>	
Repair Sleeve .....		99125
Seal .....		7412S
Cup/Cone .....		A5

### Rear Output Shaft

<b>1989-1985</b>	<b>All</b>	
Cone/Cup .....		25877-25821
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

## TRANSFER CASE

### Input Shaft

<b>1998-1990</b>	<b>All</b>	
Ball Bearing .....		109
Repair Sleeve .....		99175
Seal .....		710062

### Front Output Shaft

<b>1998-1990</b>	<b>All</b>	
Ball Bearing .....		207
Seal .....		714503

### Rear Output Shaft

<b>1998-1990</b>	<b>(Warner 4472) (booted)</b>	
Ball Bearing .....		208SL
Seal .....		4503N
<b>1998-1990</b>	<b>(Warner 4472) (w/o boot)</b>	
Ball Bearing .....		208SL
Seal .....		714503

## A/C COMPRESSOR

<b>2002-1985</b>	<b>All</b>	
Ball Bearing .....		907257
Needle Bearing; Frt Head .....		S128

## POWER STEERING

### Pump Shaft

<b>2001-1994</b>	<b>All</b>	
Seal .....		7013S
<b>1993-1985</b>	<b>(integral reservoir)</b>	
Ball Bearing .....		203FF
Seal .....		221925
<b>1993-1985</b>	<b>(remote reservoir)</b>	
Seal .....		7013S

### Worm Shaft

<b>2001-1985</b>	<b>All</b>	
Seal .....		222025

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET/GMC TRUCK- Light Truck & Van - Astro / Safari (cont.)

<b>POWER STEERING(cont)</b>			<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>Pitman Shaft</b>			<b>6 Cylinder</b>		
2001-1985	All		2005-1997	4.3L	
Seal Kit .....		PSK1	Seal Viton .....		4359V
<b>CRANKSHAFT FRONT SEAL</b>			Repair Sleeve .....		99364
<b>4 Cylinder</b>			Seal PTFE H/D .....		
1990-1985	151/2.5L		1996-1986	262/4.3L	
Repair Sleeve .....		99176	Seal Viton .....		4359V
Seal .....		9845	Repair Sleeve .....		99364
<b>6 Cylinder</b>			Seal PTFE H/D .....		
2005-1985	262/4.3L		1985	262/4.3L	
Repair Sleeve .....		99176	Seal .....		5092
Seal .....		9845			
<b>CRANKSHAFT REAR SEAL</b>					
<b>4 Cylinder</b>					
1990-1985	151/2.5L				
Repair Sleeve .....		99300			
Seal .....		3698			

## CHEVROLET/GMC TRUCK- Light Truck & Van - Caballero, El Camino, Sprint

<b>FRONT WHEEL</b>			<b>REAR AXLE(cont)</b>		
1987-1983	All		<b>Pinion</b>		
Seal ; Inner .....		8871	1987-1981	(7.5" R.G.)	
Cup/Cone; Inner .....		A6	Seal .....		8611N
Cup/Cone; Outer .....		A34	Cone/Cup ; Outer .....		M86649-M86610
1982-1980	All		Cone/Cup ; Inner .....		HM89249-HM89210
Seal ; Inner .....		8871	1987-1980	(8.5" R.G.)	
Cup/Cone; Inner .....		A6	Repair Sleeve .....		99193
Cup/Cone; Outer .....		A3	Seal .....		2043
<b>REAR WHEEL</b>			Cone/Cup ; Outer .....		M88048-M88010
1987-1985	All		Cone/Cup ; Inner .....		M802048-M802011
Seal .....		8660S	1980	(7.5" R.G.)	
Cyl. Bearing .....		5707	Seal .....		8611N
Optional Repair Bearing .....		RP5707 <sup>91</sup>	Cone/Cup ; Outer .....		M86649-M86610
1984-1980	(Chevy C Axle)		Cone/Cup ; Inner .....		HM89449-HM89410
Seal .....		8660S	Seal ; Outer .....		8611N
Cyl. Bearing .....		5707	<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
Optional Repair Bearing .....		RP5707 <sup>91</sup>	<b>Rear Seal/Ext. Housing</b>		
1984-1980	(Pontiac P Axle)		1987-1980	(THM200, 350, 375)	
Seal .....		8835S	Repair Sleeve .....		99149
Cyl. Bearing .....		6408	Seal .....		9613S
Optional Repair Bearing .....		RP6408 <sup>91</sup>	Seal Kit .....		5200
<b>REAR AXLE</b>			<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Differential</b>			1987-1980	All	
1987-1980	(7.5", 7.625", 8.5" R.G.)		Repair Sleeve .....		8792S
Cone/Cup .....		LM501349-LM501314	Seal .....		
1983-1980	(8.875" R.G.)				
Cup/Cone .....		A36			

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - Caballero, El Camino, Sprint (cont.)</b>					

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter

<b>1987-1980 (THM200)</b>		
Repair Sleeve .....	99174	
Seal .....	3227	
<b>1987-1980 (THM350, 375)</b>		
Repair Sleeve .....	99187	
Seal .....	6712NA	
<b>1987-1980 (THM400)</b>		
Repair Sleeve .....	99187	
Seal .....	6712NA	

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1987-1982 All</b>		
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	

### Selector Shaft Seal/Man. Shaft

<b>1987-1982 All</b>		
Repair Sleeve .....	8792S	
Seal .....		

### Torque Converter

<b>1987-1982 All</b>		
Repair Sleeve .....	99174	
Seal .....	3227	

## 3-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1981-1980 (Saginaw)</b>		
Seal .....	240735	

### Front Input Shaft

<b>1981-1980 (Saginaw)</b>		
Ball Bearing .....	207SLB	
Repair Sleeve .....	99125	
Seal .....	7412S	

### Rear Output Shaft

<b>1981-1980 (Saginaw)</b>		
Ball Bearing .....	99149	
Repair Sleeve .....	9613S	
Seal .....	5200	
Seal Kit .....		

## 4-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1981-1980 (Saginaw)</b>		
Seal .....	240735	

## 4-SPEED MANUAL TRANSMISSION(cont)

### Input Shaft

<b>1981-1980 (Saginaw)</b>		
Ball Bearing .....	207SLB	
Repair Sleeve .....	99125	
Seal .....	7412S	

### Rear Output Shaft

<b>1981-1980 (Saginaw)</b>		
Ball Bearing .....	99149	
Repair Sleeve .....	9613S	
Seal .....	5200	
Seal Kit .....		

## POWER STEERING

### Pump Shaft

<b>1987-1980 All</b>		
Seal .....	7013S	

### Pitman Shaft

<b>1987-1980 (605 Gear) (round side cover)</b>		
Seal .....	710285	

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>1987-1985 262/4.3L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	
<b>1984-1980 229/3.8L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	
<b>1984-1980 231/3.8L</b>		
Seal .....	710163	

### 8 Cylinder

<b>1987-1980 305/5.0L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	
<b>1984-1983 350/5.7L (Diesel)</b>		
Seal Viton .....	320259	
Repair Sleeve .....	99199	
<b>1982-1980 267/4.4L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	

## CRANKSHAFT REAR SEAL

### 6 Cylinder

<b>1987-1985 262/4.3L</b>		
Seal .....	5092	
<b>1984-1980 231/3.8L</b>		
Seal .....	5591	
<b>1983-1980 229/3.8L</b>		
Seal .....	5092	

### 8 Cylinder

<b>1987-1980 305/5.0L</b>		
Seal .....	5092	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - Caballero, El Camino, Sprint (cont.)</b>					

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1984-1983	350/5.7L (Diesel)	
Seal .....		5591
1982-1980	267/4.4L	
Seal .....		5092

## CHEVROLET/GMC TRUCK- Light Truck & Van - Colorado/Canyon

<b>REAR WHEEL</b>		
2006-2004	All	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
2006-2004	All	
Cone/Cup .....	LM501349-LM501314	
<b>Pinion</b>		
2006-2004	All	
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	

<b>REAR AXLE</b>		
<b>Differential</b>		
2006-2004	All	
Cup/Cone .....		A36

<b>REAR AXLE(cont)</b>		
<b>Pinion</b>		
2006-2004	All	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2006-2004	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99149
Seal .....		9613S
<b>Selector Shaft Seal/Man. Shaft</b>		
2006-2004	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
2006-2004	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99174
Seal .....		3227

## CHEVROLET/GMC TRUCK- Light Truck & Van - Equinox

<b>FRONT WHEEL</b>		
2006-2005	(ABS)	
Hub Assembly .....		513189
2006-2005	(Non-ABS)	
Hub Assembly .....		513190

<b>REAR WHEEL</b>		
2006-2005	(ABS)	
Hub Assembly .....		512229
2006-2005	(Non-ABS)	
Hub Assembly .....		512230
<b>4WD/AWD</b>		
2006-2005	All	
Hub Assembly .....		512229

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2006-2005	3.4L	
Repair Sleeve .....		99176
Seal .....		9845

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2006-2005	3.4L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET/GMC TRUCK- Light Truck & Van - HHR

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2006	(4T45E)	
Repair Sleeve .....		4072N
Seal .....		

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2006	2.2L (DOHC)	
Seal Viton .....		710237

## CHEVROLET/GMC TRUCK- Light Truck & Van - LUV

### FRONT WHEEL

#### 2WD

1982-1980	All	
Cone/Cup ; Outer .....		32304
Cone/Cup ; Inner .....		32206
Seal ; Inner .....		1949

#### 4WD/AWD

1982	All	
Cone/Cup ; Inner .....		32008
Seal ; Inner .....		471950
1981-1980	All	
Cone/Cup ; Inner .....		32008
Seal ; Inner .....		1960

### REAR WHEEL

1982-1980	All	
Cone/Cup ; Outer .....		30208
Seal ; Inner .....		473812
Seal ; Outer .....		473179

### 4WD FRONT AXLE

#### Differential

1982-1980	All	
Cup/Cone .....		A5

#### Pinion

1982-1980	All	
Seal .....		710057
Cone/Cup ; Outer .....		30305
Cone/Cup ; Inner .....		02475-02420

#### Spindle

1982-1980	All	
Seal .....		710167

### REAR AXLE

#### Differential

1982-1980	All	
Cup/Cone .....		A35

#### Pinion

1982-1980	All	
Seal .....		474133
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307

### CLUTCH

#### Pilot Bearing

1982-1980	All	
Ball Bearing .....		203FF

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1982-1980	All	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### Selector Shaft Seal/Man. Shaft

1982-1980	All	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

1982-1980	All	
Repair Sleeve .....		99174
Seal .....		3227

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1982-1980	All	
Ball Bearing .....		1990
Seal .....		

#### Rear Output Shaft

1982-1980	All	
Ball Bearing .....		307L
Seal .....		1987

### 5-SPEED MANUAL TRANSMISSION

#### Front Input Shaft

1982-1980	All	
Ball Bearing .....		1990
Seal .....		

#### Rear Output Shaft

1982-1980	All	
Ball Bearing .....		307L
Seal .....		1987

### TRANSFER CASE

#### Input Shaft

1982-1980	(I/S)	
Seal .....		1990

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET/GMC TRUCK- Light Truck & Van - LUV (cont.)

<b>TRANSFER CASE(cont)</b>			<b>CAMSHAFT SEAL</b>		
<b>Front Output Shaft</b>			<b>4 Cylinder</b>		
1982-1980	(Frt. O/S)		1982-1981	133/2.2L (Diesel)	
Seal ; Frt	.....	224045	Repair Sleeve	.....	224205
Ball Bearing ; Frt	.....	206L	Seal	.....	
Ball Bearing ; Rr	.....	305L	<b>CRANKSHAFT FRONT SEAL</b>		
<b>Rear Output Shaft</b>			<b>4 Cylinder</b>		
1982-1980	(Rr. O/S)		1982-1981	133/2.2L (Diesel)	
Ball Bearing	.....	307L	Repair Sleeve	.....	99254
<b>ALTERNATOR</b>			Seal	.....	712005
1982-1981	(Diesel) ( A/C)		1982-1980	1800/1.8L	
Ball Bearing ; Drive End	.....	303CC	Seal Viton	.....	225020
1982-1981	(Gas)		Repair Sleeve	.....	99196
Ball Bearing ; Drive End	.....	203FF	<b>CRANKSHAFT REAR SEAL</b>		
1982-1980	(Gas)		<b>4 Cylinder</b>		
Ball Bearing ; Rear End	.....	201CC	1982-1981	133/2.2L (Diesel)	
1980	(w/o A/C)		Seal	.....	228480
Ball Bearing ; Drive End	.....	202FF	1982-1980	1800/1.8L	
1980	A/C		Seal	.....	228480
Ball Bearing ; Drive End	.....	303CC			
<b>MANUAL STEERING</b>					
<b>Worm Shaft</b>					
1982-1980	All				
Seal	.....	221720			

## CHEVROLET/GMC TRUCK- Light Truck & Van - Lumina APV, Venture

<b>FRONT WHEEL</b>			<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
2005-2003	(Non-ABS)		<b>Output Shaft</b>		
Hub Assembly	.....	513160	1995-1990	(THM125C)	
2005-1997	(ABS)		Repair Sleeve	.....	99139
Hub Assembly	.....	513121 <sup>94</sup>	Seal	.....	3543
1996-1992	All		Seal Kit	.....	5690
Hub Assembly	.....	513087	<b>Selector Shaft Seal/Man. Shaft</b>		
1991-1990	All		1996-1990	All	
Hub Assembly	.....	513016K <sup>96</sup>	Repair Sleeve	.....	8792S
Seal Kit	.....	5698 <sup>95</sup>	Seal	.....	
<b>REAR WHEEL</b>			<b>Torque Converter</b>		
2005-1997	(FWD) (Drum Brks.)		1996-1990	All	
Hub Assembly	.....	512078	Repair Sleeve	.....	4072N
2004-2002	(AWD)		Seal	.....	
Hub Assembly	.....	513121	<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
1996-1992	All		<b>Torque Converter / Frt Pump</b>		
Hub Assembly	.....	512078	2005-1992	(4T60E, 4T65E)	
1991-1990	All		Repair Sleeve	.....	4072N
Hub Assembly	.....	513018	Seal	.....	

<sup>94</sup> Incl: Metal and Plastic Clip <sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - Lumina APV, Venture</b>					
<b>(cont.)</b>					

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft

<b>2005-1999 (4T65 E)</b>		
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		100165
<b>1998-1992 (4T60E)</b>		
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		710096

### Selector Shaft Seal/Man. Shaft

<b>2005-1990 (4T60E, 4T65E)</b>		
Repair Sleeve .....		8792S
Seal .....		

## ALTERNATOR

<b>1999-1992 (Delco 140 Amp.)</b>		
Ball Bearing ; Rear End .....		100CC4

## A/C COMPRESSOR

<b>2002-1990 All</b>		
Ball Bearing .....		907257
Needle Bearing; Frt Head .....		S128

## POWER STEERING

### Pump Shaft

<b>2002-1996 All</b>		
Seal .....		7013S
<b>1995-1990 (integral reservoir)</b>		
Ball Bearing .....		203FF

## POWER STEERING(cont)

### Pump Shaft(cont)

<b>1995-1990 (remote reservoir)</b>		
Seal .....		7013S

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>2005-1996 201/3.4L</b>		
Repair Sleeve .....		99176
Seal .....		9845
<b>1995-1992 231/3.8L</b>		
Seal Viton .....		710162
Repair Sleeve .....		99193
<b>1995-1990 191/3.1L</b>		
Repair Sleeve .....		99176
Seal .....		9845

## CRANKSHAFT REAR SEAL

### 6 Cylinder

<b>2005-1996 201/3.4L</b>		
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>1995-1992 231/3.8L</b>		
Seal Viton .....		320691
Repair Sleeve .....		
<b>1995-1990 189/3.1L</b>		
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

# CHEVROLET/GMC TRUCK- Light Truck & Van - S10 Blazer/S15 Jimmy, S10/S15 & Sonoma

## FRONT WHEEL

### AWD

<b>1997 (AWD)</b>		
Hub Assembly .....		513124

### 4WD

<b>1997-1994 (4WD)</b>		
Hub Assembly .....		513061 <sup>14</sup>

### 2WD

<b>2005-1998 Blazer/Jimmy</b>		
Hub Assembly .....		513200
<b>2003-1998 S10/Sonoma</b>		
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34

## FRONT WHEEL(cont)

### 2WD(cont)

<b>1997-1991 All</b>		
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34
<b>1990-1982 All</b>		
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34

### 4WD/AWD

<b>2005-1997 All</b>		
Hub Assembly .....		513124 <sup>15</sup>
<b>1993-1992 Blazer/Jimmy</b>		
Hub Assembly .....		513061

<sup>14</sup> Has Exciter Ring for ABS on Hub <sup>15</sup> Has ABS Cable for ABS

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - S10 Blazer/S15 Jimmy, S10/S15 &amp; Sonoma (cont.)</b>					

## FRONT WHEEL(cont)

<b>4WD/AWD(cont)</b>		
1993-1991	Pickup	
	Hub Assembly .....	513013
1992-1991	Syclone, Typhoon	
	Hub Assembly .....	513061
1991	Blazer/Jimmy 2Dr.	
	Hub Assembly .....	513013
1991	Blazer/Jimmy 4 Dr.	
	Hub Assembly .....	513061
1990-1983	All	
	Hub Assembly .....	513013

## REAR WHEEL

<b>2005-1992 (Exc. Extended Cab)</b>		
	Cyl. Bearing .....	5707
	Seal ; Axle Code C .....	710166
	Seal ; Axle Code K .....	8660S
	Optional Repair Bearing .....	RP5707 <sup>91</sup>
<b>2004-1995 (Extended Cab)</b>		
	Cyl. Bearing ; Limited Slip D .....	513067
	Cyl. Bearing ; Exc. Limited .....	6408
	Seal ; Limited Slip Differenti .....	4762N
	Seal ; Exc. Limited SlipDiffe .....	8835S
	Optional Repair Bearing .....	RP513067 <sup>19</sup>
	Optional Repair Bearing .....	RP6408 <sup>17</sup>
<b>2001-1999 Blazer/Jimmy</b>		
	Cyl. Bearing ; Limited Slip D .....	513023
	Seal Viton ; Limited Slip Diff .....	4795V
1991	(4 Dr.) (7.625" R.G.)	
	Seal .....	710166
	Cyl. Bearing .....	5707
	Optional Repair Bearing .....	RP5707 <sup>91</sup>
1991	(7.625" R.G.)	
	Seal .....	8660S
	Cyl. Bearing .....	5707
	Optional Repair Bearing .....	RP5707 <sup>91</sup>
<b>1990-1982 All</b>		
	Seal .....	8660S
	Cyl. Bearing .....	5707
	Optional Repair Bearing .....	RP5707 <sup>91</sup>

## 4WD FRONT AXLE

<b>Differential</b>		
2004-1983	(7.25" R.G.)	
	Cup/Cone .....	A18
<b>Pinion</b>		
2004-1983	(7.25" R.G.)	
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	

## 4WD FRONT AXLE(cont)

<b>Axle Shaft</b>		
<b>2007-1997 AAM ICA-7.25" R.G. (1.3125" Shaft)</b>		
	Seal .....	710491
	Needle Bearing; Outer .....	SCH78
	Needle Bearing; Pilot .....	B2010
	Needle Bearing; Inner .....	
<b>2007-1997 AAM ICA-7.25" R.G. (1.5748" Shaft)</b>		
	Seal .....	710491
	Needle Bearing; Outer .....	SCH78
	Needle Bearing; Pilot .....	HK4012
	Needle Bearing; Inner .....	
<b>1997-1983 AAM ICA-7.25" R.G.</b>		
	Seal .....	223255
	Needle Bearing; Outer .....	SCH78
	Needle Bearing; Pilot .....	B2010
	Needle Bearing; Inner .....	
<b>1982 All</b>		
	Seal ; Inner .....	8871

## REAR AXLE

<b>Differential</b>		
<b>2005-2004 (7.5" R.G., 7.625" R.G.)</b>		
	Cone/Cup .....	LM501349-LM501314
<b>2004 (8.5", 8.625" R.G.)</b>		
	Cup/Cone .....	A36
<b>2003-2000 (7.625" R.G.)</b>		
	Cone/Cup .....	LM501349-LM501314
<b>2003-2000 (8.5" R.G.) (2nd Design)</b>		
	Cup/Cone .....	A36
<b>2002-2000 (8.625" R.G.)</b>		
	Cup/Cone .....	A36
<b>2000 (8.5" R.G.) (1st Design)</b>		
	Cone/Cup .....	LM501349-LM501314
<b>1999-1982 All</b>		
	Cone/Cup .....	LM501349-LM501314
<b>Pinion</b>		
<b>2005-1999 (7.5" R.G., 7.625" R.G.)</b>		
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89249-HM89210
<b>2004 (8.5", 8.625" R.G.)</b>		
	Repair Sleeve .....	99212
	Seal .....	710506
	Cone/Cup ; Outer .....	M88048-M88010
<b>2003-1997 (8.5" R.G.) (2nd Design)</b>		
	Repair Sleeve .....	99212
	Seal .....	710506
	Cone/Cup ; Outer .....	M88048-M88010
<b>1998-1982 (7.5" R.G., 7.625" R.G.)</b>		
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89249-HM89210

<sup>17</sup> Exc Limited Slip <sup>19</sup> w/ Limited Slip <sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - S10 Blazer/S15 Jimmy, S10/S15 &amp; Sonoma (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

1997-1982	(8.5" R.G.) (1st Design)	
Repair Sleeve	.....	99193
Seal	.....	2043
Cone/Cup ; Outer	..... M88048-M88010	
Cone/Cup ; Inner	..... M802048-M802011	

## DRIVESHAFT SUPPORT

2001-1982	All	
Ball Bearing	.....	88107

## CLUTCH

### Pilot Bearing

2002-1994	4 Cyl 133ci/2.2L Gas	
Bushing	.....	PB652HD
2002-1990	6 Cyl 262ci/4.3L	
Ball Bearing	.....	57080
1993-1985	4 Cyl 151ci/2.5L	
Bushing	.....	PB656HD
1993-1982	6 Cyl 173ci/2.8L	
Bushing	.....	PB652HD
1985-1984	4 Cyl 133/2.2L Diesel	
Ball Bearing	.....	202FF
1985-1982	4 Cyl 119ci/1.9L	
Ball Bearing	.....	202FF

### Release Bearing

2000-1996	4 Cyl 133ci/2.2L Gas	
Bearing Assembly	.....	614174
2000-1996	6 Cyl 262ci/4.3L	
Bearing Assembly	.....	614174
1995-1994	4 Cyl 133ci/2.2L Gas	
Bearing Assembly	.....	614083
1995-1988	6 Cyl 262ci/4.3L	
Bearing Assembly	.....	614083
1993-1985	4 Cyl 151ci/2.5L	
Bearing Assembly	.....	614083
1993-1985	6 Cyl 173ci/2.8L	
Bearing Assembly	.....	614083

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1985-1982	All	
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

### Selector Shaft Seal/Man. Shaft

1985-1982	All	
Repair Sleeve	.....	8792S
Seal	.....	

### Torque Converter

1985-1982	All	
Repair Sleeve	.....	99174
Seal	.....	3227

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2005-1983	All	
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

### Selector Shaft Seal/Man. Shaft

2005-1982	All	
Repair Sleeve	.....	8792S
Seal	.....	

### Torque Converter

2005-1983	All	
Repair Sleeve	.....	99174
Seal	.....	3227

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1987-1985	All	
Repair Sleeve	.....	99125
Seal	.....	7412S
Cup/Cone	.....	A5
1984	(1st Design)	
Ball Bearing	.....	208L
Repair Sleeve	.....	99125
Seal	.....	7412S
1984	(2nd Design)	
Repair Sleeve	.....	99125
Seal	.....	7412S
Cup/Cone	.....	A5
1983-1982	All	
Ball Bearing	.....	208L
Repair Sleeve	.....	99125
Seal	.....	7412S

### Rear Output Shaft

1987-1985	All	
Cone/Cup	.....	25877-25821
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200
1984-1982	All	
Ball Bearing	.....	1207L
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

2005-1995	(New Venture M50) (4WD)	
Repair Sleeve	.....	99138
Seal	.....	4529N
2005-1995	(New Venture MW2) (2WD)	
Ball Bearing	.....	223020
Seal	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - S10 Blazer/S15 Jimmy, S10/S15 &amp; Sonoma (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

<b>Front Input Shaft(cont)</b>		
1995-1982	(Warner)	
Repair Sleeve	.....	99125
Seal	.....	7412S
Cup/Cone	.....	A5
1994-1990	(Hydramatic 5 Spd. (4WD))	
Repair Sleeve	.....	99138
Seal	.....	4529N
<b>Rear Output Shaft</b>		
2005-1995	(New Venture M50) (4WD)	
Seal	.....	4530
2005-1995	(New Venture MW2) (2WD)	
Ball Bearing	.....	306L
Seal	.....	416288
1995-1982	(Warner)	
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200
1994-1990	(Hydramatic 5 Spd. (4WD))	
Seal	.....	4532N

## TRANSFER CASE

<b>Input Shaft</b>		
2002-1998	(New Process 236) (Opt. code NP8) (Elec. shift)	
Ball Bearing	.....	110
2002-1994	(New Process 231, 233)	
Ball Bearing	.....	110L
Repair Sleeve	.....	99193
Seal	.....	3173
1993-1991	(New Process 231, 233)	
Ball Bearing	.....	N5210KLB
Repair Sleeve	.....	99193
Seal	.....	3173
1990-1988	(New Process 231C) (floor shift)	
Ball Bearing	.....	N5210KLB
Repair Sleeve	.....	99193
Seal	.....	3173
1988-1983	(New Process 207)	
Repair Sleeve	.....	99193
Seal	.....	3173
<b>Front Output Shaft</b>		
2002-1998	(New Process 236) (Opt. code NP8) (Elec. shift)	
Ball Bearing	.....	207
2002-1988	(New Process 231, 233)	
Ball Bearing	.....	206
Seal Viton	.....	4813V
Repair Sleeve	.....	99155

## TRANSFER CASE(cont)

<b>Front Output Shaft(cont)</b>		
1994-1988	(New Process 231, 233)	
Ball Bearing	.....	206
Repair Sleeve	.....	99155
Seal	.....	710046
1988-1983	(New Process 207)	
Ball Bearing	.....	206
Repair Sleeve	.....	99155
Seal	.....	710046
<b>Rear Output Shaft</b>		
2002-1994	(New Process 231, 233)	
Ball Bearing	.....	206
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200
1993-1991	(New Process 231, 233) (ext cab)	
Ball Bearing	.....	207
Seal	.....	9449
Seal Kit	.....	5208
1993-1988	(New Process 231) (Std. cab)	
Ball Bearing	.....	206
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200
1988-1983	(New Process 207)	
Ball Bearing	.....	206
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

## A/C COMPRESSOR

2002-1982	All	
Ball Bearing	.....	907257
Needle Bearing; Frt Head	.....	S128

## POWER STEERING

<b>Pump Shaft</b>		
2002-1994	All	
Seal	.....	7013S
1993-1982	(integral reservoir)	
Ball Bearing	.....	203FF
<b>Worm Shaft</b>		
1996-1982	All	
Seal	.....	222025
<b>Pitman Shaft</b>		
1996-1982	All	
Seal Kit	.....	PSK1

## MANUAL STEERING

<b>Worm Shaft</b>		
1993-1982	All	
Ball Bearing	.....	8537
Seal	.....	480821

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - S10 Blazer/S15 Jimmy, S10/S15 &amp; Sonoma (cont.)</b>					

## MANUAL STEERING(cont)

### Pitman Shaft

1993-1985	All	
Seal .....		251511
1984-1982	All	
Seal .....		313842

## CAMSHAFT SEAL

### 4 Cylinder

1985-1984	2238cc/2.2L (Diesel)	
Repair Sleeve .....		224205
Seal .....		

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2003-1994	133/2.2L (Gas)	
Repair Sleeve .....		99176
Seal .....		9845
1993-1985	151/2.5L	
Repair Sleeve .....		99176
Seal .....		9845
1985-1984	133/2.2L (Diesel)	
Repair Sleeve .....		99254
Seal .....		712005
1985-1982	119/1.9L	
Seal Viton .....		225020
Repair Sleeve .....		99196
1984-1983	121/2.0/L	
Repair Sleeve .....		99176
Seal .....		9845

### 6 Cylinder

2005-1988	262/4.3L	
Repair Sleeve .....		99176
Seal .....		9845
1993-1982	173/2.8L	
Repair Sleeve .....		99176
Seal .....		9845

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2003-1994	133/2.2L (Gas)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
1993-1985	151/2.5L	
Repair Sleeve .....		99300
Seal .....		3698
1985-1984	133/2.2L (Diesel)	
Seal .....		228480
1985-1982	119/1.9L	
Seal .....		228480
1984	121/2.0L (2nd design) (11mm thick, casti O on RR of case)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
1984-1983	121/2.0/L (1st design) (5.5mm thick)	
Seal .....		5210

### 6 Cylinder

2005-1988	262/4.3L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1993-1982	173/2.8L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

# CHEVROLET/GMC TRUCK- Light Truck & Van - SSR

## FRONT WHEEL

2006-2003	All	
Hub Assembly .....		513188

## REAR WHEEL

2006-2003	All	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>

## REAR AXLE

### Differential

2006-2005	(Automatic Trans.)	
Cup/Cone .....		A36

## REAR AXLE(cont)

### Differential(cont)

2006-2005	(Standard Trans.)	
Cup/Cone .....		A42
2004-2003	All	
Cup/Cone .....		A36

### Pinion

2006-2005	(Automatic Trans.)	
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....		M88048-M88010

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET/GMC TRUCK- Light Truck & Van - SSR (cont.)

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## CHEVROLET/GMC TRUCK- Light Truck & Van - Trailblazer/Envoy

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# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET/GMC TRUCK- Light Truck & Van - Trailblazer/Envoy (cont.)

### REAR AXLE(cont)

#### Pinion(cont)

2005-2002	(7.5" R.G., 7.625" R.G.)	
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

2006-2002	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99149
Seal .....		9613S

#### Selector Shaft Seal/Man. Shaft

2006-2002	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

2006-2002	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99174
Seal .....		3227

### CRANKSHAFT FRONT SEAL

#### 8 Cylinder

2006-2003	5.3L	
Seal Viton .....		99210
Repair Sleeve .....		

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

2006-2003	5.3L	
Seal .....		100085

## CHEVROLET/GMC TRUCK- Light Truck & Van - Uplander, Uplander AWD

### FRONT WHEEL

#### 2WD

2008-2006	All	
Hub Assembly .....		513236 <sup>18</sup>
2005	All	
Hub Assembly .....		513121

#### 4WD/AWD

2006	All	
Hub Assembly .....		513236 <sup>18</sup>
2005	All	
Hub Assembly .....		513121

### REAR WHEEL

2005	(AWD)	
Hub Assembly .....		513121
2005	(Indep. Rr. Susp.) (Triangular Flange)	
Hub Assembly .....		513186
2005	Rectangular Mtg Flange	
Hub Assembly .....		512152

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2006-2005	(4T65 E)	
Repair Sleeve .....		4072N
Seal .....		

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

#### Output Shaft

2006-2005	(4T65 E)	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		100165

#### Selector Shaft Seal/Man. Shaft

2006-2005	(4T65 E)	
Repair Sleeve .....		8792S
Seal .....		

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2006	3.9L	
Repair Sleeve .....		99176
Seal .....		9845
2006-2005	3.5L	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2006	3.9L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

<sup>18</sup> 6 Stud

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- Light Truck &amp; Van - Uplander, Uplander AWD (cont.)</b>					

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
2006-2005	3.5L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

## CHEVROLET/GMC TRUCK & VAN- 1/2 TON - Avalanche

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2006-2002	All	
Hub Assembly .....		515054
<b>4WD/AWD</b>		
2004-2002	All	
Hub Assembly .....		515036

<b>REAR WHEEL</b>		
2006-2002	All	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
2006-2002	All	
Cone/Cup .....		LM501349-LM501314
<b>Pinion</b>		
2006-2002	All	
Repair Sleeve .....		99193
Seal .....		710281
Cone/Cup ; Outer .....		M88048-M88010
<b>Axle Shaft</b>		
2008-2002	AAM ICA-9.25" R.G.	
Seal .....		710497
Needle Bearing; Pilot .....		SCH78
Needle Bearing; Inner .....		B2610

<b>REAR AXLE</b>		
<b>Differential</b>		
2006-2002	(8.5", 8.625" R.G.)	
Cup/Cone .....		A36
2005-2002	(9.5" R.G.)	
Cup/Cone .....		A42
<b>Pinion</b>		
2006-2003	(8.625" R.G.)	
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....		M88048-M88010

<b>REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
2004-2003	(9.5" R.G.)	
Repair Sleeve .....		99193
Seal .....		710507
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
2002	(8.5" R.G.)	
Cone/Cup ; Outer .....		M88048-M88010

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2006-2002	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99149
Seal .....		9613S
<b>Selector Shaft Seal/Man. Shaft</b>		
2006-2002	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
2006-2002	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99174
Seal .....		3227

<b>CRANKSHAFT FRONT SEAL</b>		
<b>8 Cylinder</b>		
2006-2002	325/ 5.3L	
Seal Viton .....		99210
Repair Sleeve .....		

<b>CRANKSHAFT REAR SEAL</b>		
<b>8 Cylinder</b>		
2006-2002	325/ 5.3L	
Seal .....		100085

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - Blazer/Jimmy (Full Size), C-10/15, K-10/15, R-10/15, Silverado/Sierra, Silverado/Sierra HD, Suburban, Tahoe/Yukon(Denali &amp; XL), V-10/15</b>					

## FRONT WHEEL

### 2WD

<b>2006-2005</b>	<b>(Exc. 4 Dr. Crew Cab)</b>	
Hub Assembly .....		515054
<b>2006-2001</b>	<b>New Style Silverado/Sierra (4Dr Crew Ca</b>	
Hub Assembly .....		515086 <sup>19</sup>
<b>2004</b>	<b>(Extended Cab) (B2E Spring Special) (B4 H.O. Eng.)</b>	
Hub Assembly .....		515054
<b>2004-2000</b>	<b>Suburban/Tahoe/Yukon</b>	
Hub Assembly .....		515054
<b>2004-1999</b>	<b>New Style Silverado/Sierra Extended Cab (Exc. B2E Spring Special) (Exc. B4V H.O. Eng.)</b>	
Hub Assembly .....		515054
<b>2004-1999</b>	<b>New Style Silverado/Sierra Reg Cab</b>	
Hub Assembly .....		515054
<b>1999-1995</b>	<b>Old Style C Series (Diesel)</b>	
Cone/Cup ; Outer .....	15103S-15243	
Seal ; Inner .....		4740
Cup/Cone; Inner .....		A35
<b>1999-1995</b>	<b>Old Style C Series (Gas)</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>1999-1992</b>	<b>Suburban/Tahoe/Yukon</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>1994-1988</b>	<b>C1500 (H/D)</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>1991-1988</b>	<b>C1500 (L/D)</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3
<b>1990-1988</b>	<b>R Series</b>	
Seal .....		8871
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>1987</b>	<b>R Series</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3
<b>1986-1981</b>	<b>(Exc. Extended Cab &amp; F44 H/D)</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3
<b>1986-1981</b>	<b>(Extended Cab &amp; F44 H/D)</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3

## FRONT WHEEL(cont)

### 2WD(cont)

<b>1980</b>	<b>All</b>	
Seal ; Inner .....		9015S
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3

### 4WD/AWD

<b>2006-2001</b>	<b>New Style Silverado/Sierra (4Dr Crew Ca</b>	
Hub Assembly .....		515058 <sup>19</sup>
<b>2006-1999</b>	<b>New Style Silverado/Sierra,Suburban, Tahoe, Yukon, Yukon XL</b>	
Hub Assembly .....		515036 <sup>18</sup>
<b>1999-1996</b>	<b>Old Style K Series (8 Stud)</b>	
Hub Assembly .....		515041
<b>1999-1995</b>	<b>Old Style K Series (6 Stud)</b>	
Hub Assembly .....		515024
<b>1994-1992</b>	<b>All</b>	
Hub Assembly .....		515001
<b>1991-1988</b>	<b>(Exc. Extended Cab) (L/D Suspension)</b>	
Hub Assembly .....		515002
<b>1991-1988</b>	<b>(Extended Cab) (F44 H/D Suspension)</b>	
Hub Assembly .....		515001
<b>1987-1980</b>	<b>All</b>	
Cone/Cup ; Inner .....	LM104949-JLM104910	
Seal ; Inner .....		471271
Cup/Cone; Outer .....		A35

## REAR WHEEL

<b>2007</b>	<b>Tahoe, Yukon</b>	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>

### K-10/15, R-10/15, Silverado/Sierra, Silverado/Sier

<b>2006-2001</b>	<b>(Exc. Quadrasteer) (9.5" R.G.)</b>	
Seal .....		710105
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561GM <sup>91</sup>
<b>2006-1999</b>	<b>New Style (Exc. Quadrasteer) (Exc. 9.5" R.G.)</b>	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>
<b>1999-1988</b>	<b>Old Style C/K Series (8.5" R.G.)</b>	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>
<b>1999-1988</b>	<b>Old Style C/K Series (9.5" R.G.)</b>	
Seal .....		710105
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561GM <sup>91</sup>

<sup>18</sup> 6 Stud <sup>19</sup> 8 Stud <sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - Blazer/Jimmy (Full Size), C-10/15, K-10/15, R-10/15, Silverado/Sierra, Silverado/Sierra HD, Suburban, Tahoe/Yukon(Denali &amp; XL), V-10/15 (cont.)</b>					

<b>REAR WHEEL(cont)</b>	
<b>K-10/15, R-10/15, Silverado/Sierra, Silverado/Sier(cont)</b>	
1987-1980 C/K R/V 10 Ser., V1500 Ser., Blazer	
Seal .....	8835S
Cyl. Bearing .....	6408
Optional Repair Bearing .....	RP6408 <sup>91</sup>

<b>4WD FRONT AXLE</b>	
<b>Differential</b>	
<b>2006 (Crew Cab)</b>	
Cup/Cone .....	A42
<b>2006 (Exc. 4 Dr. Crew Cab)</b>	
Cone/Cup .....	LM501349-LM501314
<b>2005-1980 (8.5", 8.25" R.G.)</b>	
Cone/Cup .....	LM501349-LM501314
<b>2004-1983 (7.25" R.G.)</b>	
Cup/Cone .....	A18
<b>1982-1980 (Dana/Spicer 44 Axle)</b>	
Cone/Cup .....	25590-25523

<b>Pinion</b>	
<b>2006-2003 (Crew Cab)</b>	
Cone/Cup ; Outer .....	HM804846-HM804810
Cone/Cup ; Inner .....	HM88649-HM88610
<b>2006-2003 (Exc. 4 Dr. Crew Cab)</b>	
Cone/Cup ; Outer .....	M88048-M88010
<b>2004-1983 (7.25" R.G.)</b>	
Cone/Cup ; Outer .....	M86649-M86610
Cone/Cup ; Inner .....	
<b>2002-2000 (8.25" R.G.)</b>	
Cone/Cup ; Outer .....	M88048-M88010
<b>1999-1988 (8.25" R.G.)</b>	
Repair Sleeve .....	99193
Seal .....	710281
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011

<b>Axle Shaft</b>	
<b>2008-2001 AAMICA-9.25" R.G.</b>	
Seal .....	710497
Needle Bearing; Pilot .....	SCH78
Needle Bearing; Inner .....	B2610
<b>1997-1988 (8.25" R.G.) (1st design)</b>	
Seal ; Inner .....	710101
<b>1991-1980 (8.5" R.G.)</b>	
Seal .....	5131
<b>1982-1980 (Spicer 44 Ser.)</b>	
Seal .....	5131

<b>4WD FRONT AXLE (cont.)</b>	
<b>1991-1987 V Ser.</b>	
Repair Sleeve .....	99193
Seal .....	8622
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011
<b>1980 (Exc. Spicer Axle)</b>	
Repair Sleeve .....	99193
Seal .....	8622
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011
<b>1980 (Spicer)</b>	
Seal .....	5778
Cone/Cup ; Outer .....	02872-02820
Cone/Cup ; Inner .....	31594-31520

<b>Spindle</b>	
<b>1991-1980 All</b>	
Seal ; Inner .....	722108
Seal ; Outer .....	722109

<b>REAR AXLE</b>	
<b>Differential</b>	
<b>2006-2000 (8.625" R.G.) (2nd Design)</b>	
Cup/Cone .....	A36
<b>2005-1988 (14 Bolt Cover) (9.5" R.G.)</b>	
Cup/Cone .....	A42
<b>2000 (8.625" R.G.) (1st Design)</b>	
Cone/Cup .....	LM501349-LM501314
<b>1999-1980 (8.125", 8.5", 8.625" R.G.)</b>	
Cone/Cup .....	LM501349-LM501314
<b>1981-1980 (8.875" R.G.)</b>	
Cup/Cone .....	A36

<b>Pinion</b>	
<b>2006-2001 (8.625" R.G.)</b>	
Repair Sleeve .....	99212
Seal .....	710506
Cone/Cup ; Outer .....	M88048-M88010
<b>2004-1998 (9.5" R.G.)</b>	
Repair Sleeve .....	99193
Seal .....	710507
Cone/Cup ; Outer .....	HM88649-HM88610
Cone/Cup ; Inner .....	HM804846-HM804810
<b>2000-1997 (8.5", 8.625" R.G.) (2nd Design)</b>	
Repair Sleeve .....	99212
Seal .....	710506
Cone/Cup ; Outer .....	M88048-M88010
<b>1997 (9.5" R.G.) (2nd Design)</b>	
Repair Sleeve .....	99193
Seal .....	710507
Cone/Cup ; Outer .....	HM88649-HM88610
Cone/Cup ; Inner .....	HM804846-HM804810

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - Blazer/Jimmy (Full Size), C-10/15, K-10/15, R-10/15, Silverado/Sierra, Silverado/Sierra HD, Suburban, Tahoe/Yukon(Denali &amp; XL), V-10/15 (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

<b>1997-1988 (9.5" R.G.) (1st Design)</b>	
Repair Sleeve .....	99193
Seal .....	3896
Cone/Cup ; Outer .....	HM88649-HM88610
Cone/Cup ; Inner .....	HM804846-HM804810
<b>1997-1980 (8.5" R.G.) (1st Design)</b>	
Repair Sleeve .....	99193
Seal .....	2043
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011
<b>1981-1980 (8.875" R.G.)</b>	
Seal .....	8460N
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	HM89449-HM89410
<b>1981-1980 (8.875" R.G.) (Limited Slip)</b>	
Seal .....	8460N
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M804049-M804010

## DRIVESHAFT SUPPORT

<b>2001-1980 (Spicer 1280, 1310, 1330) (1.3780" Brg. I.D.)</b>	
Ball Bearing .....	88107

## CLUTCH

### Pilot Bearing

<b>2002-2001 8 Cyl 294ci/4.8L</b>	
Ball Bearing .....	302CC
<b>2002-1999 6 Cyl 262ci/4.3L</b>	
Ball Bearing .....	302CC
<b>2000-1987 8 Cyl 293ci/4.8L, 305ci/5.0L, 350ci/5.7L, 379ci/6.2L, 395ci/6.5L, 454ci/7.4L</b>	
Ball Bearing .....	57080
<b>1998-1987 6 Cyl 262ci/4.3L</b>	
Ball Bearing .....	57080
<b>1986-1982 8 Cyl Diesel</b>	
Ball Bearing .....	57080

### Release Bearing

<b>2002-1996 6 Cyl 262ci/4.3L</b>	
Bearing Assembly .....	614174
<b>2002-1996 8 Cyl 293ci/4.8L, 305ci/5.0L, 350ci/5.7L</b>	
Bearing Assembly .....	614174
<b>1995-1985 6 Cyl 262ci/4.3L (w/o cable activation)</b>	
Bearing Assembly .....	614109
<b>1995-1985 8 Cyl 305ci/5.0L (w/o cable activation), 350ci/5.7L, 379ci/6.2L, 395ci/6.5L, 354ci/7.4L</b>	
Bearing Assembly .....	614109

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1990-1980 (w/o THM350)</b>	
Seal .....	9449
Seal Kit .....	5208
<b>1987-1980 (THM350)</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

### Selector Shaft Seal/Man. Shaft

<b>1990-1980 All</b>	
Repair Sleeve .....	8792S
Seal .....	

### Torque Converter

<b>1990-1980 All</b>	
Repair Sleeve .....	99187
Seal .....	6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2006-1991 (4L80E) (Booted)</b>	
Seal .....	4333N
<b>2006-1991 (4L80E) (Exc. Booted)</b>	
Seal .....	9449
Seal Kit .....	5208
<b>2006-1983 (4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

### Selector Shaft Seal/Man. Shaft

<b>2006-1982 All</b>	
Repair Sleeve .....	8792S
Seal .....	

### Torque Converter

<b>2006-1991 (4L80E)</b>	
Repair Sleeve .....	99199
Seal .....	4598
<b>2006-1982 (THM700) (4L60 E)</b>	
Repair Sleeve .....	99174
Seal .....	3227

## 3-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1987-1980 All</b>	
Seal .....	240735

### Front Input Shaft

<b>1987-1980 (SM326) (Saginaw)</b>	
Ball Bearing .....	207SLB
Repair Sleeve .....	99125
Seal .....	7412S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - Blazer/Jimmy (Full Size), C-10/15, K-10/15, R-10/15, Silverado/Sierra, Silverado/Sierra HD, Suburban, Tahoe/Yukon(Denali &amp; XL), V-10/15 (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft(cont)

1981-1980 (Tremec)	
Ball Bearing .....	482208
Seal .....	

### Rear Output Shaft

1987-1980 (SM326) (Saginaw) (76mm shaft)	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	
1981-1980 (Tremec)	
Ball Bearing .....	207L
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1991-1990 (Muncie) (M20) (CH465) (2nd design)	
Ball Bearing .....	211FFLE
Repair Sleeve .....	99162
Seal .....	481181N
1990-1980 (Muncie M20, CH465) (1st design)	
Ball Bearing .....	N1211L
Repair Sleeve .....	99162
Seal .....	481181N
1988 (Getrag)	
Repair Sleeve .....	99138
Seal .....	4529N

### Rear Output Shaft

1991-1985 (Muncie M20, CH465)	
Ball Bearing .....	308FFL
Seal .....	410085
1989-1981 (New Process)	
Ball Bearing .....	308LOE
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200
1988 (Getrag)	
Seal .....	4528N
1984-1980 (Muncie)	
Ball Bearing .....	1308L
Seal .....	410085

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

2007-1991 (New Process 3500)	
Ball Bearing .....	307FFL5
Repair Sleeve .....	99138
Seal .....	4529N

## 5-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft(cont)

2000-1999 (New Process 4500)	
Repair Sleeve .....	714655
Seal .....	
1998-1991 (New Process 4500)	
Repair Sleeve .....	714655
Seal .....	
1991-1988 (Getrag)	
Repair Sleeve .....	99138
Seal .....	4529N

### Rear Output Shaft

2007-1996 (New Process 3500) (2WD)	
Seal .....	4528N
2007-1991 (New Process 3500) (4WD)	
Seal .....	4532N
2001-1996 (Getrag MG5) (New Venture Gear M50)	
Ball Bearing .....	307FFL5
Seal .....	410085
2000-1991 (New Process 4500)	
Cone/Cup .....	M804049-M804010
Seal .....	714654
1995-1992 (Getrag) (4WD) (MG5)	
Ball Bearing .....	307FF
Seal .....	410085
1995-1988 (Getrag MG5) (4WD)	
Ball Bearing .....	307FF
Repair Sleeve .....	99187
Seal .....	2692

### K-10/15, R-10/15, Silverado/Sierra, Silverado/Sier

1991-1988 (Getrag) (4WD) (MG5)	
Seal .....	4532N

## TRANSFER CASE

### Input Shaft

1999-1988 (New Process 241)	
Repair Sleeve .....	99193
Seal .....	3173
1988-1981 (New Process 208)	
Repair Sleeve .....	99193
Seal .....	3173
1980 (New Process 205) (Turbo 400 trans)	
Ball Bearing .....	1307L
Seal .....	471869
1980 (New Process 205) (w/o Turbo 400 trans)	
Ball Bearing .....	1307L
Seal .....	471869

### Front Output Shaft

2000-1981 All	
Repair Sleeve .....	99187
Seal .....	3946

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - Blazer/Jimmy (Full Size), C-10/15, K-10/15, R-10/15, Silverado/Sierra, Silverado/Sierra HD, Suburban, Tahoe/Yukon(Denali &amp; XL), V-10/15 (cont.)</b>					

## TRANSFER CASE(cont)

### Front Output Shaft(cont)

1980	All	
Ball Bearing	.....	307L
Seal	.....	710005

### Rear Output Shaft

1999-1991	(New Process 241, 243) (2nd design)	
Ball Bearing	.....	207
Seal	.....	4333N
1991	(New Process 241) (1st design)	
Ball Bearing	.....	1207L
Seal	.....	9449
Seal Kit	.....	5208
1990-1988	(New Process 241)	
Ball Bearing	.....	1207L
Seal	.....	9449
Seal Kit	.....	5208
1988-1981	(New Process 208)	
Ball Bearing	.....	1207L
Seal	.....	9449
Seal Kit	.....	5208
1980	(New Process 205) (162T)	
Ball Bearing	.....	307L
Seal	.....	473214
1980	(New Process 205) (CH465)	
Ball Bearing	.....	307L
Seal	.....	473214
1980	(New Process 205) (THM350)	
Ball Bearing	.....	307L
Repair Sleeve	.....	99199
Seal	.....	471424

### Idler Shaft

1980	(New Process 205) (Frt. and Rr.)	
Cone/Cup	.....	2793-2720

## A/C COMPRESSOR

2002-1980	All	
Ball Bearing	.....	907257
Needle Bearing; Frt Head	.....	S128

## POWER STEERING

### Pump Shaft

2000-1980	All	
Ball Bearing	.....	8537
Seal	.....	7013S

### Pitman Shaft

2000-1980	All	
Seal Kit	.....	PSK1

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

2006-1999	294ci/4.8L	
Seal Viton	.....	99210
Repair Sleeve	.....	

## CRANKSHAFT FRONT SEAL(cont)

### 6 Cylinder(cont)

2006-1999	4.3 V6 (w/ Balance Shaft)	
Repair Sleeve	.....	99176
Seal	.....	9845
2006-1999	4.3 V6 (w/o Balance Shaft)	
Repair Sleeve	.....	99176
Seal	.....	9845
1998-1985	4.3 V6	
Repair Sleeve	.....	99176
Seal	.....	9845

### 8 Cylinder

2006-1999	292/4.8L, 325/5.3L, 364/6.0L	
Seal Viton	.....	99210
Repair Sleeve	.....	
2000-1980	(w/o 454 & Diesel)	
Repair Sleeve	.....	99176
Seal	.....	9845
1999-1980	(454 & Diesel)	
Repair Sleeve	.....	99233
Seal	.....	3945

## CRANKSHAFT REAR SEAL

### 6 Cylinder

2006-1999	4.3 V6	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1998-1986	262/4.3L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1985-1980	All	
Seal	.....	5092

### 8 Cylinder

2006-1999	293/4.8L, 325/5.3L, 364/6.0L	
Seal	.....	100085
2000-1986	305/5.0L, 350/5.7L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1999-1992	379/6.2L (Diesel) 395/6.5L (Diesel) 395/6.5L (Turbo Diesel)	
Seal Viton	.....	710258
Repair Sleeve	.....	
1991-1982	(379/6.2L Diesel)	
Seal	.....	5163
1990	(454/7.4L)	
Seal	.....	5072
1985-1980	(w/o 454 & Diesel)	
Seal	.....	5092
1980	(454/7.4L)	
Seal	.....	5072

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - G10/G15, Express/Savana, P10/15</b>					

## FRONT WHEEL

<b>1980</b>	<b>P10/15 Van</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3

### 2WD

<b>2006-2003</b>	<b>All</b>	
Hub Assembly .....		515054
<b>2002-1993</b>	<b>All</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>1992-1980</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3

### 4WD/AWD

<b>2004-2003</b>	<b>All</b>	
Hub Assembly .....		515036

## REAR WHEEL

<b>2006-1996</b>	<b>All</b>	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>
<b>1995-1980</b>	<b>All</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

## 4WD FRONT AXLE

### Differential

<b>2006-2003</b>	<b>All</b>	
Cup/Cone .....		A18

### Pinion

<b>2006-2003</b>	<b>All</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M86649-M86610

### Axle Shaft

<b>2008-2003</b>	<b>AAM ICA-7.25" R.G. (1.3125" Shaft)</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		B2010
Needle Bearing; Inner .....		
<b>2008-2003</b>	<b>AAM ICA-7.25" R.G. (1.5748" Shaft)</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		HK4012
Needle Bearing; Inner .....		

## REAR AXLE

### Differential

<b>2006-2001</b>	<b>(8.625" R.G.)</b>	
Cup/Cone .....		A36

## REAR AXLE(cont)

### Differential(cont)

<b>2005-1993</b>	<b>(9.5" R.G.)</b>	
Cup/Cone .....		A42
<b>2000</b>	<b>(8.625" R.G.) (1st Design)</b>	
Cone/Cup .....		A35
<b>2000</b>	<b>(8.625" R.G.) (2nd Design)</b>	
Cup/Cone .....		A36
<b>1999-1980</b>	<b>(8.5", 8.625" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1981-1980</b>	<b>(8.875" R.G.)</b>	
Cup/Cone .....		A36

### Pinion

<b>2006-2001</b>	<b>(8.625" R.G.)</b>	
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....		M88048-M88010
<b>2005-1998</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		710507
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>2002-1997</b>	<b>(8.5", 8.625" R.G.)</b>	
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....		M88048-M88010
<b>1997-1993</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		3896
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>1996-1980</b>	<b>(8.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1981-1980</b>	<b>(8.875" R.G.)</b>	
Repair Sleeve .....		99170
Seal .....		8460N
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		HM89449-HM89410
<b>1981-1980</b>	<b>(8.875" R.G.) (Limited Slip)</b>	
Repair Sleeve .....		99170
Seal .....		8460N
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M804049-M804010

## DRIVESHAFT SUPPORT

<b>1990-1980</b>	<b>All</b>	
Ball Bearing .....		88107

## CLUTCH

### Pilot Bearing

<b>2002-1987</b>	<b>8 Cyl</b>	
Ball Bearing .....		57080

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - G10/G15, Express/Savana, P10/15 (cont.)</b>					

## CLUTCH(cont)

### Pilot Bearing(cont)

2000-1987	6 Cyl	
Ball Bearing	.....	57080

### Release Bearing

2000-1984	Hydraulic Clutch	
Bearing Assembly	.....	614174

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1990-1980	(w/o THM350)	
Seal	.....	9449
Seal Kit	.....	5208

1987-1980	(THM350)	
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

### Selector Shaft Seal/Man. Shaft

1990-1980	All	
Repair Sleeve	.....	8792S
Seal	.....	

### Torque Converter

1992-1980	All	
Repair Sleeve	.....	99187
Seal	.....	6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2006-1991	(4L80E) (Booted)	
Seal	.....	4333N

2006-1991	(4L80E) (Exc. Booted)	
Seal	.....	9449
Seal Kit	.....	5208

2006-1983	(4L60, 4L60E, 4L65E)	
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

### Selector Shaft Seal/Man. Shaft

2006-1982	All	
Repair Sleeve	.....	8792S
Seal	.....	

### Torque Converter

2006-1991	(4L80E)	
Repair Sleeve	.....	99199
Seal	.....	4598

2006-1982	(THM700) (4L60 E)	
Repair Sleeve	.....	99174
Seal	.....	3227

## 3-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

1987-1980	All	
Repair Sleeve	.....	240735
Seal	.....	

## 3-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft

1987-1980	(Saginaw)	
Ball Bearing	.....	207SLB
Repair Sleeve	.....	99125
Seal	.....	7412S

1982-1980	(Tremec)	
Ball Bearing	.....	482208
Seal	.....	

### Rear Output Shaft

1987-1980	(Saginaw)	
Ball Bearing	.....	99149
Repair Sleeve	.....	9613S
Seal	.....	5200
Seal Kit	.....	

1981-1980	(Tremec)	
Ball Bearing	.....	207L
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1989-1985	(New Process MY6)	
Repair Sleeve	.....	99125
Seal	.....	7412S

### Rear Output Shaft

1989-1981	(New Process)	
Ball Bearing	.....	308LOE
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

## POWER STEERING

### Pump Shaft

2000-1980	All	
Ball Bearing	.....	8537
Seal	.....	7013S

### Pitman Shaft

2000-1980	All	
Seal Kit	.....	PSK1

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

2006-1980	All	
Repair Sleeve	.....	99176
Seal	.....	9845

### 8 Cylinder

2002-1980	(w/o 454 & Diesel)	
Repair Sleeve	.....	99176
Seal	.....	9845

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1/2 TON - G10/G15, Express/Savana, P10/15 (cont.)</b>					

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2006-1986	All	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1985-1980	All	
Seal .....		5092
<b>8 Cylinder</b>		
2002-1986	305/5.0L, 350/5.7L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1985-1980	(w/o 454 & Diesel)	
Seal .....		5092

## CHEVROLET/GMC TRUCK & VAN- 3/4 TON - Avalanche

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2006-2002	All	
Hub Assembly .....		515086 <sup>19</sup>
<b>4WD/AWD</b>		
2006-2002	All	
Hub Assembly .....		515058
<b>REAR WHEEL</b>		
2006-2003	(10.5" R.G.)	
Seal .....		2081
Cone/Cup ; Inner .....		387AS-382A
Cup/Cone; Outer .....		A38
2006-2002	(9.5" R.G.)	
Seal .....		710105
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561GM <sup>91</sup>

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
2006-2003	(9.25" R.G.)	
Cup/Cone .....		A42
<b>Pinion</b>		
2006-2002	(9.25" R.G.)	
Repair Sleeve .....		99193
Seal .....		710281
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810

<b>4WD FRONT AXLE(cont)</b>		
<b>Axle Shaft</b>		
2008-2002	AAM ICA-9.25" R.G.	
Seal .....		710497
Needle Bearing; Pilot .....		SCH78
Needle Bearing; Inner .....		B2610

<b>REAR AXLE</b>		
<b>Differential</b>		
2006-2002	(10.5" R.G.)	
Cup/Cone .....		A38
2005-2003	(9.5" R.G.)	
Cup/Cone .....		A42
2005-2002	(10.5" R.G.) (H/D)	
Cone/Cup .....		387AS-382A
<b>Pinion</b>		
2006-2002	(10.5" R.G.)	
Seal .....		710508
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing .....		R1581TV
2004-2003	(10.5" R.G.) (H/D)	
Seal .....		710508
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing .....		R1581TV
2004-2003	(9.5" R.G.)	
Repair Sleeve .....		99193
Seal .....		710507
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2006-2002	(4L80E) (Booted)	
Seal .....		4333N

<sup>19</sup> 8 Stud <sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHEVROLET/GMC TRUCK & VAN- 3/4 TON - Avalanche (cont.)

### 4-SPEED AUTOMATIC TRANSMISSION(cont)

#### Rear Seal/Ext. Housing(cont)

2006-2002 (4L80E) (Exc. Booted)  
Seal ..... 9449

#### Selector Shaft Seal/Man. Shaft

2006-2002 (4L80E)  
Repair Sleeve ..... 8792S  
Seal .....

#### Torque Converter

2006-2002 (4L80E)  
Repair Sleeve ..... 99199  
Seal ..... 4598

## CHEVROLET/GMC TRUCK & VAN- 3/4 TON - C-20/25, K-20/25, R-20/25, Silverado/Sierra, Suburban, Silverado 2500 HD, V-20/25, Yukon XL 2500, Yukon 2500

### FRONT WHEEL

#### 2WD

2005-2001 New Style Silverado/Sierra, Suburban, Yukon XL (Exc. 2" Body Raise)  
Hub Assembly ..... 515086<sup>19</sup>

2000-1999 New Style Silverado/Sierra, Suburban, Yukon XL  
Hub Assembly ..... 515024

2000-1992 Old Style C (7200 GVW)  
Seal ; Inner ..... 4739  
Cup/Cone; Inner ..... A5  
Cup/Cone; Outer ..... A3

2000-1992 Old Style C (8600 GVW)  
Cone/Cup ; Outer ..... 15103S-15243  
Seal ; Inner ..... 4740  
Cup/Cone; Inner ..... A35

1991-1988 (8600 GVW)  
Cone/Cup ; Outer ..... 15103S-15243  
Seal ; Inner ..... 8974S  
Cup/Cone; Inner ..... A35

1991-1980 (7200 GVW)  
Seal ; Inner ..... 4739  
Cup/Cone; Inner ..... A5  
Cup/Cone; Outer ..... A3

#### 4WD/AWD

2006-1999 New Style Silverado/Sierra, Suburban, Yukon XL  
Hub Assembly ..... 515058

2000-1996 Old Style K Series (8 Stud)  
Hub Assembly; RH ..... 515041  
Hub Assembly; LH ..... 515041

### FRONT WHEEL(cont)

#### 4WD/AWD(cont)

1995 Pickup, Suburban, Tahoe (8 Stud Wheel) (ABS)

Hub Assembly; RH ..... 515041  
Hub Assembly; LH ..... 515041

1994-1988 Pickup, Suburban (6 Stud Wheel)  
Hub Assembly ..... 515001

1994-1987 Pickup, Suburban (8600 GVW) (8 Stud Wheel)  
Hub Assembly ..... 515018<sup>20</sup>

1993-1980 (Exc. Hub Assembly)  
Cone/Cup ; Inner ..... LM104949-JLM104910  
Seal ; Inner ..... 471271  
Cup/Cone; Outer ..... A35

### REAR WHEEL

2006-1980 (10.5" R.G.)  
Seal ..... 2081  
Cone/Cup ; Inner ..... 387AS-382A  
Cup/Cone; Outer ..... A38

2005-1981 C, K, Yukon XL, Silverado/Sierra, Suburb (9.5" R.G.)

Seal ..... 710105  
Cyl. Bearing ..... R1561TV  
Optional Repair Bearing ..... RP1561GM<sup>91</sup>

1991-1987 R, V (9.5" R.G.)  
Seal ..... 3747  
Cyl. Bearing ..... R1561TV  
Optional Repair Bearing ..... RP1561GM<sup>91</sup>

### 4WD FRONT AXLE

#### Differential

2006-1988 (9.25" R.G.)  
Seal ..... 450094  
Cup/Cone ..... A42

<sup>19</sup> 8 Stud <sup>20</sup> Hub w/o Rotor <sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - C-20/25, K-20/25, R-20/25, Silverado/Sierra, Suburban, Silverado 2500 HD, V-20/25, Yukon XL 2500, Yukon 2500 (cont.)</b>					

<b>4WD FRONT AXLE(cont)</b>	
<b>Differential(cont)</b>	
2000-1980 (8.25", 8.5" R.G.) (GM Axle)	
Cone/Cup .....	LM501349-LM501314
1982-1980 (Dana/Spicer 44 Axle)	
Cone/Cup .....	25590-25523
<b>Pinion</b>	
2006-1988 (9.25" R.G.)	
Repair Sleeve .....	99193
Seal .....	710281
Cone/Cup ; Outer .....	HM88649-HM88610
Cone/Cup ; Inner .....	HM804846-HM804810
2000-1988 (8.25" R.G.) (GM Axle)	
Repair Sleeve .....	99193
Seal .....	710281
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011
1991-1980 (8.5" R.G.) (GM Axle)	
Repair Sleeve .....	99193
Seal .....	8622
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011
1982-1980 (Dana/Spicer 44 Axle)	
Repair Sleeve .....	99155
Seal .....	5778
Cone/Cup ; Outer .....	02872-02820
Cone/Cup ; Inner .....	31594-31520
<b>Axle Shaft</b>	
2008-1998 AAM ICA-9.25" R.G.	
Seal .....	710497
Needle Bearing; Pilot .....	SCH78
Needle Bearing; Inner .....	B2610
<b>Spindle</b>	
1991-1980 All	
Seal ; Inner .....	722108
Seal ; Outer .....	722109

<b>REAR AXLE</b>	
<b>Differential</b>	
2006-1981 (9.5" R.G.)	
Cup/Cone .....	A42
2006-1980 (10.5" R.G.)	
Cone/Cup .....	387AS-382A
2000-1980 (8.5" R.G.)	
Cone/Cup .....	LM501349-LM501314
1981-1980 (8.75", 8.875" R.G.) (H031, H035 Axle)	
Cup/Cone .....	A36

<b>REAR AXLE(cont)</b>	
<b>Pinion</b>	
2006-2005 (10.5" R.G.) (H/D)	
Seal .....	710508
Cone/Cup ; Inner .....	HM807046-HM807010
Cyl. Bearing .....	R1581TV
2006-1998 (9.5" R.G.)	
Repair Sleeve .....	99193
Seal .....	710507
Cone/Cup ; Outer .....	HM88649-HM88610
Cone/Cup ; Inner .....	HM804846-HM804810
2004-2003 (10.5" R.G.)	
Seal .....	710508
Cone/Cup ; Inner .....	HM903249-HM903210
Cyl. Bearing .....	R1581TV
2004-2003 (10.5" R.G.) (H/D)	
Seal .....	710508
Cone/Cup ; Inner .....	HM903249-HM903210
Cyl. Bearing .....	R1581TV
2002-1997 (8.5", 8.625" R.G.)	
Repair Sleeve .....	99212
Seal .....	710506
Cone/Cup ; Outer .....	M88048-M88010
2002-1989 (10.5" R.G.)	
Seal .....	2286
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	HM903249-HM903210
Cyl. Bearing .....	R1581TV
1997-1981 (9.5" R.G.)	
Repair Sleeve .....	99193
Seal .....	3896
Cone/Cup ; Outer .....	HM88649-HM88610
Cone/Cup ; Inner .....	HM804846-HM804810
1988 (10.5" R.G.) (1st Design)	
Seal .....	2286
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	R1581TV
Cyl. Bearing .....	
1988 (10.5" R.G.) (2nd Design)	
Seal .....	2286
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	HM903249-HM903210
Cyl. Bearing .....	R1581TV
1987-1986 (10.5" R.G.)	
Seal .....	2286
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	R1581TV
Cyl. Bearing .....	
1985-1984 (10.5" R.G.)	
Seal .....	2286
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - C-20/25, K-20/25, R-20/25, Silverado/Sierra, Suburban, Silverado 2500 HD, V-20/25, Yukon XL 2500, Yukon 2500 (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

<b>1983-1980 (10.5" R.G.)</b>		
Seal .....	2286	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	R1581TV	
Cyl. Bearing .....		
<b>1981-1980 (8.875" R.G.) (H031, H035 Axle)</b>		
Repair Sleeve .....	99170	
Seal .....	8460N	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	HM89449-HM89410	

## DRIVESHAFT SUPPORT

<b>1999-1980 (1.378" 35mm Brg. I.D.)</b>		
Ball Bearing .....	88107	
Hanger Bearing .....	HB88107A	
<b>1984-1980 (Rockwell 58WB ) (1.7717" Brg. I.D.)</b>		
Ball Bearing .....	88509	
<b>1984-1980 (Spicer 1550, 1650) (1.7717" Brg. I.D.)</b>		
Ball Bearing .....	88509	

## CLUTCH

### Pilot Bearing

<b>2002-2001 8 Cyl 364ci/6.0L, 496ci/8.1L</b>		
Ball Bearing .....	302CC	
<b>2000-1994 Gas</b>		
Ball Bearing .....	57080	
<b>2000-1982 Diesel, Turbo Diesel</b>		
Ball Bearing .....	57080	
<b>1993-1982 Gas</b>		
Bushing .....	PB656HD	

### Release Bearing

<b>2002-1996 8 Cyl</b>		
Bearing Assembly .....	614174	
<b>1995-1990 w/o Cable Clutch</b>		
Bearing Assembly .....	614109	
<b>1995-1985 Hydraulic Clutch</b>		
Bearing Assembly .....	614109	

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1990-1980 (THM400) (1.890" shaft)</b>		
Seal .....	9449	
Seal Kit .....	5208	
<b>1986-1980 (THM350)</b>		
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	

### Selector Shaft Seal/Man. Shaft

<b>1990-1980 All</b>		
Repair Sleeve .....	8792S	
Seal .....		

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter

<b>1990-1980 All</b>		
Repair Sleeve .....	99187	
Seal .....	6712NA	

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2006-1993 (4L60, 4L60E, 4L65E)</b>		
Repair Sleeve .....	99149	
Seal .....	9613S	
<b>2006-1991 (4L80E) (THMR2) (Booted)</b>		
Seal .....	4333N	
<b>2006-1991 (4L80E) (THMR2) (Exc. Booted)</b>		
Seal .....	9449	
Seal Kit .....	5208	
<b>1992-1982 (THM700 R4)</b>		
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	

### Selector Shaft Seal/Man. Shaft

<b>2006-1982 All</b>		
Repair Sleeve .....	8792S	
Seal .....		

### Torque Converter

<b>2006-1993 (4L60, 4L60E, 4L65E)</b>		
Repair Sleeve .....	99174	
Seal .....	3227	
<b>2006-1991 (4L80E) (THMR2)</b>		
Repair Sleeve .....	99199	
Seal .....	4598	
<b>1992-1982 (THM700) (4L60 E)</b>		
Repair Sleeve .....	99174	
Seal .....	3227	

## 5-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2007-2001 (Allison 1000, 1000/M74)</b>		
Seal .....	415988	

### Selector Shaft Seal/Man. Shaft

<b>2007-2001 (Allison 1000, 1000/M74)</b>		
Repair Sleeve .....	8792S	
Seal .....		

## 3-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1987-1980 (Saginaw)</b>		
Repair Sleeve .....	240735	
Seal .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - C-20/25, K-20/25, R-20/25, Silverado/Sierra, Suburban, Silverado 2500 HD, V-20/25, Yukon XL 2500, Yukon 2500 (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION(cont)

<b>Front Input Shaft</b>		
1987-1980	(Saginaw)	
Ball Bearing .....		207SLB
Repair Sleeve .....		9912S
Seal .....		7412S
1982-1980	(Tremec)	
Ball Bearing .....		482208
Seal .....		
<b>Rear Output Shaft</b>		
1987-1980	(Saginaw)	
Ball Bearing .....		99149
Repair Sleeve .....		9613S
Seal .....		
1982-1980	(Tremec)	
Ball Bearing .....		207L
Repair Sleeve .....		99149
Seal .....		9613S

## 4-SPEED MANUAL TRANSMISSION

<b>Input Shaft</b>		
1991	(CH465)	
Ball Bearing .....		211FFLE
Repair Sleeve .....		99162
Seal .....		481181N
1990	(CH465) (1st design)	
Ball Bearing .....		N1211L
Repair Sleeve .....		99162
Seal .....		481181N
1990	(CH465) (2nd design)	
Ball Bearing .....		211FFLE
Repair Sleeve .....		99162
Seal .....		481181N
1989-1981	(New Process)	
Repair Sleeve .....		9912S
Seal .....		7412S
1989-1980	(CH465)	
Ball Bearing .....		N1211L
Repair Sleeve .....		99162
Seal .....		481181N
1988-1980	(T10 Warner) (32 spline shaft)	
Ball Bearing .....		9912S
Repair Sleeve .....		7412S
Seal .....		
<b>Rear Output Shaft</b>		
1991-1985	(CH465)	
Ball Bearing .....		308FFL
Seal .....		410085

## 4-SPEED MANUAL TRANSMISSION(cont)

<b>Rear Output Shaft(cont)</b>		
1989-1981	(New Process)	
Ball Bearing .....		308LOE
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
1984-1980	(CH465)	
Ball Bearing .....		1308L
Seal .....		410085

## 5-SPEED MANUAL TRANSMISSION

<b>Front Input Shaft</b>		
2007-1999	(New Process 4500, 4500HD)	
Repair Sleeve .....		714655
Seal .....		
1998-1991	(New Process 3500)	
Ball Bearing .....		307FFL5
Repair Sleeve .....		99138
Seal .....		4529N
1998-1991	(New Process 4500)	
Repair Sleeve .....		714655
Seal .....		
1991-1988	(Getrag MG5) (4WD)	
Repair Sleeve .....		99138
Seal .....		4529N
1991-1988	(Getrag) (4WD)	
Repair Sleeve .....		99138
Seal .....		4529N
<b>Rear Output Shaft</b>		
2007-1991	(New Process 4500)	
Cone/Cup .....	M804049-M804010	
Seal .....		714654
2004-2001	(New Process 4500HD)	
Cone/Cup .....	M804049-M804010	
Seal .....		714670
1998-1996	(New Process 3500) (2WD)	
Ball Bearing .....		4528N
Seal .....		
1998-1991	(New Process 3500) (4WD)	
Ball Bearing .....		4532N
Seal .....		
1995-1991	(N.P.3500 # C320844) (4WD)	
Ball Bearing .....		4530
Seal .....		
1995-1991	(N.P.3500 Exc. # C320844) (4WD)	
Ball Bearing .....		4528N
Seal .....		
1991-1988	(Getrag)	
Seal .....		4530

## TRANSFER CASE

<b>Selector Shaft Seal/Man. Shaft</b>		
1980	(New Process 205)	
Seal .....		2287

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - C-20/25, K-20/25, R-20/25, Silverado/Sierra, Suburban, Silverado 2500 HD, V-20/25, Yukon XL 2500, Yukon 2500 (cont.)</b>					

## TRANSFER CASE(cont)

### Input Shaft

<b>2000-1995 (New Process 241, 243)</b>		
Ball Bearing .....	110L	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1994 (New Process 241) (1st design)</b>		
Ball Bearing .....	N5210KLB	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1994 (New Process 241) (2nd design)</b>		
Ball Bearing .....	110L	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1993-1991 (New Process 241)</b>		
Ball Bearing .....	N5210KLB	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1990-1988 (New Process 241)</b>		
Ball Bearing .....	N5210KLB	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1988-1981 (New Process 208)</b>		
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1980 (New Process 205) (Turbo 400 trans)</b>		
Ball Bearing .....	471869	
Seal .....		
<b>1980 (New Process 205) (w/o Turbo 400 trans)</b>		
Ball Bearing .....	1307L	
Seal .....	471869	

### Front Output Shaft

<b>2000-1988 (New Process 241, 243)</b>		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1988-1981 (New Process 208)</b>		
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1980 (New Process 205)</b>		
Ball Bearing .....	307L	
Seal .....	710005	

### Rear Output Shaft

<b>2000-1991 (New Process 241, 243)</b>		
Ball Bearing .....	207	
Seal .....	4333N	
<b>1991 (New Process 241) (1st design)</b>		
Ball Bearing .....	207	
Seal .....	9449	
<b>1991 (New Process 241) (2nd design)</b>		
Ball Bearing .....	207	
Seal .....	4333N	

## TRANSFER CASE(cont)

### Rear Output Shaft(cont)

<b>1990-1988 (New Process 241)</b>		
Ball Bearing .....	207	
Seal .....	9449	
Seal Kit .....	5208	
<b>1988-1981 (New Process 208)</b>		
Ball Bearing .....	1207L	
Seal .....	9449	
Seal Kit .....	5208	
<b>1980 (New Process 205)</b>		
Ball Bearing .....	307L	
Seal .....	473468	

### Oil Pump Housing

<b>2000-1981 (New Process 208, 241, 243)</b>		
Repair Sleeve .....	99225	
Seal .....	341022	

### Idler Shaft

<b>1980 (New Process 205)</b>		
Cone/Cup .....	2793-2720	

## ALTERNATOR

<b>2002-1988 (Delco 100, 124, 140, 145 Amp.)</b>		
Ball Bearing ; Rear End .....	100CC4	
<b>1991-1983 (Delco 56, 66, 78 Amp.)</b>		
Ball Bearing ; Drive End .....	203FF	
<b>1991-1980 (Delco 37, 42, 55, 56, 61, 63, 66,78 Amp.)</b>		
Needle Bearing; Rear End .....	MNJ471S	
<b>1986-1980 (Delco 37,42,55, 56, 61, 63, 66,78 Amp.)</b>		
Ball Bearing ; Drive End .....	203S	

## A/C COMPRESSOR

<b>2002-1980 All</b>		
Ball Bearing .....	907257	
Needle Bearing; Frit Head .....	S128	

## POWER STEERING

### Pump Shaft

<b>2002-1980 All</b>		
Seal .....	480821	

### Worm Shaft

<b>1991-1980 All</b>		
Seal .....	222025	

### Pitman Shaft

<b>1991-1980 All</b>		
Seal ; Inner .....	471413	
Seal ; Outer .....	7412S	
Seal Kit .....	PSK1	
Repair Sleeve; Outer .....	99125	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - C-20/25, K-20/25, R-20/25, Silverado/Sierra, Suburban, Silverado 2500 HD, V-20/25, Yukon XL 2500, Yukon 2500 (cont.)</b>					

<b>MANUAL STEERING</b>		
<b>Worm Shaft</b>		
1987-1980	All	
Ball Bearing .....		8537
Seal .....		7013S
<b>Pitman Shaft</b>		
1987-1980	All	
Seal .....		313842
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
1995-1980	All	
Repair Sleeve .....		99176
Seal .....		9845
<b>8 Cylinder</b>		
2004-2001	402/6.6L (Diesel)	
Repair Sleeve .....		99233
Seal .....		3945
2000-1980	(w/o 454 & Diesel )	
Repair Sleeve .....		99176
Seal .....		9845
2000-1980	454 & Diesel	
Repair Sleeve .....		99233
Seal .....		3945
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1995-1986	All	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1985-1980	All	
Seal .....		5092
<b>8 Cylinder</b>		
2006-2001	402/6.6L (Diesel)	
Seal Viton .....		710258
2006-1999	293/4.8L, 325/5.3L, 364/6.0L	
Seal .....		100085
2000-1992	379/6.2L (Diesel), 395/6.5L(Diesel)	
Seal Viton .....		710258
2000-1991	(454/7.4L)	
Seal Viton .....		2261
2000-1980	305/5.0L, 350/5.7L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1991-1982	(379/6.2L Diesel)	
Seal .....		5163
1990-1980	(454/7.4L)	
Seal .....		5072
1985-1980	(w/o 454 & Diesel )	
Seal .....		5092

## CHEVROLET/GMC TRUCK & VAN- 3/4 TON - G20/G25, Express/Savana, P20/P25

<b>FRONT WHEEL</b>		
2006-2003	(7300 GVWR)	
Hub Assembly .....		515054
2006-2003	(8500 & 8600 GVWR)	
Hub Assembly .....		515059
2002-1996	(H/D Brks.)	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		4740
Cup/Cone; Inner .....		A35
2002-1991	(L/D)	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3

<b>FRONT WHEEL(cont)</b>		
1995-1983	(H/D Brks.)	
Cone/Cup ; Outer .....		1779-1729X
Seal ; Inner .....		8974S
Cup/Cone; Inner .....		A35
1990-1980	(JB5 L/D Brks.)	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>4WD/AWD</b>		
2004-2003	All	
Hub Assembly .....		515036

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - G20/G25, Express/Savana, P20/P25 (cont.)</b>					

## REAR WHEEL

<b>2006-2003</b>	<b>All</b>	
Seal .....		710105
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561GM <sup>91</sup>
<b>2002-1981</b>	<b>(9.5" R.G.)</b>	
Seal .....		710105
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561GM <sup>91</sup>
<b>2002-1980</b>	<b>(10.5" R.G.)</b>	
Cone/Cup ; Inner .....		387AS-382A
Seal ; Inner .....		2081
Cup/Cone; Outer .....		A38
<b>1995-1980</b>	<b>(8.5" R.G.)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

## 4WD FRONT AXLE

### Differential

<b>2006-2003</b>	<b>All</b>	
Cup/Cone .....		A18

### Pinion

<b>2006-2003</b>	<b>All</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M86649-M86610

### Axle Shaft

<b>2005-2003</b>	<b>AAM ICA-7.25" R.G. (1.3125" Shaft)</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		B2010
Needle Bearing; Inner .....		
<b>2005-2003</b>	<b>AAM ICA-7.25" R.G. (1.5748" Shaft)</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		HK4012
Needle Bearing; Inner .....		

## REAR AXLE

### Differential

<b>2005-2003</b>	<b>(10.5" R.G.)</b>	
Cone/Cup .....		469-453X
<b>2005-1993</b>	<b>(9.5" R.G.)</b>	
Cup/Cone .....		A42
<b>2004-2001</b>	<b>(8.625" R.G.)</b>	
Cup/Cone .....		A36
<b>2002-1980</b>	<b>(10.5" R.G.)</b>	
Cone/Cup .....		387AS-382A
<b>2000</b>	<b>(8.625" R.G.) (1st Design)</b>	
Cone/Cup .....		LM501349-LM501314
<b>2000</b>	<b>(8.625" R.G.) (2nd Design)</b>	
Cup/Cone .....		A36
<b>1999-1997</b>	<b>(8.5" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314

## REAR AXLE(cont)

### Differential(cont)

<b>1995-1980</b>	<b>(8.125", 8.5" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1981-1980</b>	<b>(8.75", 8.875" R.G.) (H031, H035 Axle)</b>	
Cup/Cone .....		A36

### Pinion

<b>2006</b>	<b>(10.5" R.G.) (H/D)</b>	
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM807046-HM807010
<b>2006-2003</b>	<b>(9.75" R.G.)</b>	
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM803146-HM803110
<b>2004-2003</b>	<b>(10.5" R.G.)</b>	
Seal .....		710508
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing .....		R1581TV
<b>2002-2000</b>	<b>(10.5" R.G.)</b>	
Seal .....		710508
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing .....		R1581TV
<b>2002-1998</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		710507
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>2002-1997</b>	<b>(8.5" R.G.)</b>	
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....		M88048-M88010
<b>1999-1989</b>	<b>(10.5" R.G.)</b>	
Seal .....		710508
Cone/Cup ; Outer .....		M802048-M802011
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing .....		R1581TV
<b>1997-1981</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		3896
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>1996-1980</b>	<b>(8.5", 8.75" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1988</b>	<b>(10.5" R.G.) (1st Design)</b>	
Seal .....		2286
Cone/Cup ; Outer .....		M802048-M802011
Cone/Cup ; Inner .....		R1581TV
Cyl. Bearing .....		

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - G20/G25, Express/Savana, P20/P25 (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

<b>1988</b>	<b>(10.5" R.G.) (2nd Design)</b>	
Seal .....		2286
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>1987-1986</b>	<b>(10.5" R.G.)</b>	
Seal .....		2286
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	R1581TV	
Cyl. Bearing .....		
<b>1985-1984</b>	<b>(10.5" R.G.)</b>	
Seal .....		2286
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....		
<b>1983-1980</b>	<b>(10.5" R.G.)</b>	
Seal .....		2286
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	R1581TV	
Cyl. Bearing .....		
<b>1981-1980</b>	<b>(8.875" R.G.) (H031, H035 Axle)</b>	
Repair Sleeve .....		99170
Seal .....		8460N
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	HM89449-HM89410	

## DRIVESHAFT SUPPORT

<b>1994-1980</b>	<b>(1.378" 35mm Brg. I.D.)</b>	
Ball Bearing .....		88107

## CLUTCH

### Pilot Bearing

<b>2000-1994</b>	<b>Gas</b>	
Ball Bearing .....		57080
<b>2000-1982</b>	<b>Diesel, Turbo Diesel</b>	
Ball Bearing .....		57080
<b>1993-1982</b>	<b>Gas</b>	
Bushing .....	PB656HD	

### Release Bearing

<b>2002-1984</b>	<b>Hydraulic Clutch</b>	
Bearing Assembly .....		614174

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1995-1980</b>	<b>(w/o 4L80E, THM400, THM475)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

<b>1990-1980</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter

<b>1995-1983</b>	<b>(THM700) (4L60 E)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1992-1980</b>	<b>(w/o THM700)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2006-1991</b>	<b>(4L80E) (Booted)</b>	
Seal .....		4333N
<b>2006-1991</b>	<b>(4L80E) (Exc. Booted)</b>	
Seal .....		9449
Seal Kit .....		5208
<b>2006-1983</b>	<b>(4L60, 4L60E, 4L65E)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

<b>2006-1982</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>2006-1991</b>	<b>(4L80E)</b>	
Repair Sleeve .....		99199
Seal .....		4598
<b>2006-1982</b>	<b>(THM700) (4L60 E)</b>	
Repair Sleeve .....		99174
Seal .....		3227

## 3-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1987-1980</b>	<b>All</b>	
Seal .....		312518

### Front Input Shaft

<b>1987-1980</b>	<b>(Saginaw)</b>	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S
<b>1982-1980</b>	<b>(Tremec)</b>	
Ball Bearing .....		1208L
Seal .....		482208

### Rear Output Shaft

<b>1987-1980</b>	<b>(Saginaw)</b>	
Ball Bearing .....		99149
Repair Sleeve .....		9613S
Seal .....		5200
Seal Kit .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 3/4 TON - G20/G25, Express/Savana, P20/P25 (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft(cont)

<b>1982-1980</b>	<b>(160T Dearborn Tremec) (77mmshaft)</b>	
Ball Bearing .....	207SLB	
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

<b>1990-1983</b>	<b>(New Process MY6)</b>	
Repair Sleeve .....	99125	
Seal .....	7412S	
<b>1989-1985</b>	<b>(Muncie)</b>	
Ball Bearing .....	308L	
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	

### Rear Output Shaft

<b>1990-1983</b>	<b>(New Process)</b>	
Ball Bearing .....	308LOE	
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	
<b>1989-1985</b>	<b>(Muncie)</b>	
Ball Bearing .....	308L	
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	

## ALTERNATOR

<b>2002-1988</b>	<b>(Delco 100, 124, 140, 145 Amp.)</b>	
Ball Bearing ; Rear End .....	100CC4	
<b>1991-1983</b>	<b>(Delco 56, 66, 78 Amp.)</b>	
Ball Bearing ; Drive End .....	203FF	
<b>1991-1980</b>	<b>(Delco 37, 42, 55, 56, 61, 63, 66,78 Amp.)</b>	
Needle Bearing; Rear End .....	MNJ471S	
<b>1986-1980</b>	<b>(Delco 37,42,55, 56, 61, 63, 66,78 Amp.)</b>	
Ball Bearing ; Drive End .....	203S	

## A/C COMPRESSOR

<b>2002-1980</b>	<b>All</b>	
Ball Bearing .....	907257	
Needle Bearing; Frt Head .....	S128	

## POWER STEERING

### Pump Shaft

<b>2000-1980</b>	<b>All</b>	
Ball Bearing .....	8537	
Seal .....	7013S	

### Worm Shaft

<b>1991-1980</b>	<b>Exc. P Ser.</b>	
Seal .....	222025	
<b>1989-1980</b>	<b>P Series</b>	
Seal .....	351267	

## POWER STEERING(cont)

### Pitman Shaft

<b>2000-1980</b>	<b>All</b>	
Seal ; Inner .....	471413	
Seal ; Outer .....	7412S	
Seal Kit .....	PSK1	
Repair Sleeve; Outer .....	99125	

## MANUAL STEERING

### Worm Shaft

<b>1990-1980</b>	<b>All</b>	
Ball Bearing .....	8537	
Seal .....	7013S	

### Pitman Shaft

<b>1990-1980</b>	<b>All</b>	
Seal .....	313842	

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>2005-1980</b>	<b>All</b>	
Repair Sleeve .....	99176	
Seal .....	9845	

### 8 Cylinder

<b>2004-1980</b>	<b>(w/o 454 &amp; Diesel )</b>	
Repair Sleeve .....	99176	
Seal .....	9845	
<b>2002-1983</b>	<b>454 &amp; (Diesel)</b>	
Repair Sleeve .....	99233	
Seal .....	3945	

## CRANKSHAFT REAR SEAL

### 6 Cylinder

<b>2005-1999</b>	<b>6 Cyl 262ci/4.3L</b>	
Seal Viton .....	4359V	

### 8 Cylinder

<b>2006-2003</b>	<b>292/4.8L, 325/5.3L, 364/6.0L</b>	
Seal .....	100085	
<b>2006-1992</b>	<b>(Diesel)</b>	
Seal Viton .....	710258	
<b>2002-1986</b>	<b>305/5.0L, 350/5.7L</b>	
Seal Viton .....	4359V	
Repair Sleeve .....	99364	
Seal PTFE H/D .....		
<b>1991-1983</b>	<b>(Diesel)</b>	
Seal .....	5163	
<b>1985-1980</b>	<b>(w/o 454 &amp; Diesel )</b>	
Seal .....	5092	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - C-30/35, K-30/35, R-30/35, Silverado/Sierra, V-30/35</b>					

<b>FRONT WHEEL</b>		
<b>2WD</b>		
<b>2007</b>	<b>Silverado/Sierra 3500 (Classic)</b>	
Hub Assembly .....		515087
<b>2006-2001</b>	<b>Silverado/Sierra 3500</b>	
Hub Assembly .....		515087
<b>2002-1992</b>	<b>Old Style C/K Ser. (15000 lb GVW)</b>	
Cone/Cup ; Outer .....		15103S-15243
Cone/Cup ; Inner .....		26884-26822
Seal ; Inner .....		5682
<b>2002-1992</b>	<b>Old Style C/K Ser. (w/o 15000 lb GVW)</b>	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		4740
Cup/Cone; Inner .....		A35
<b>1991-1980</b>	<b>All</b>	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		8974S
Cup/Cone; Inner .....		A35
<b>1990-1980</b>	<b>(Disc)</b>	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		8974S
Cup/Cone; Inner .....		A35
<b>4WD/AWD</b>		
<b>2007</b>	<b>Silverado/Sierra 3500 (Classic)</b>	
Hub Assembly .....		515088
<b>2006-2001</b>	<b>Silverado/Sierra 3500</b>	
Hub Assembly .....		515088
<b>2000-1995</b>	<b>K3500 (ABS)</b>	
Hub Assembly .....		515041
<b>1994-1988</b>	<b>K3500 (Non-ABS)</b>	
Seal .....		710103
Hub Assembly .....		515018 <sup>20</sup>
<b>1987-1980</b>	<b>All</b>	
Cone/Cup ; Inner .....		387AS-382A
Seal ; Inner .....		415960
Cup/Cone; Outer .....		A38

<b>REAR WHEEL</b>		
<b>2006-1980</b>	<b>(10.5" R.G.)</b>	
Cone/Cup ; Inner .....		387AS-382A
Seal ; Inner .....		2081
Cup/Cone; Outer .....		A38
<b>1991-1988</b>	<b>(9.5" R.G.)</b>	
Seal .....		2081
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561GM <sup>91</sup>

<b>FRONT AXLE</b>		
<b>Differential</b>		
<b>2006-1988</b>	<b>(9.25" R.G.)</b>	
Seal .....		450094
Cup/Cone .....		A42
<b>1991-1980</b>	<b>(Dana/Spicer 60 F Axle)</b>	
Cone/Cup .....		387A-382S

<b>FRONT AXLE(cont)</b>		
<b>Pinion</b>		
<b>2006-1999</b>	<b>(9.25" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		710281
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>1998-1997</b>	<b>(9.25" R.G.) (2nd Design)</b>	
Repair Sleeve .....		99193
Seal .....		710281
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>1997</b>	<b>(9.25" R.G.) (1st Design)</b>	
Repair Sleeve .....		99193
Seal .....		710281
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>1996-1988</b>	<b>All</b>	
Repair Sleeve .....		99193
Seal .....		710281
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>1991-1980</b>	<b>(Dana/Spicer 60 F Axle)</b>	
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM803146-HM803110
<b>Spindle</b>		
<b>1991-1980</b>	<b>(Dana/Spicer 60 F Axle)</b>	
Seal ; Inner .....		710044
Seal ; Outer .....		710045
<b>Steering Knuckle</b>		
<b>1991-1980</b>	<b>(Dana/Spicer 60 F Axle)</b>	
Seal ; Upper .....		710304
Seal ; Lower .....		710304
Cone/Cup ; Upper .....		23100-23256
Cone/Cup ; Lower .....		23100-23256

<b>4WD FRONT AXLE</b>		
<b>Axle Shaft</b>		
<b>2008-1997</b>	<b>AAM ICA-9.25" R.G.</b>	
Seal .....		710497
Needle Bearing; Pilot .....		SCH78
Needle Bearing; Inner .....		B2610

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2006-1980</b>	<b>(10.5" R.G.)</b>	
Cone/Cup .....		387AS-382A
<b>2005-2001</b>	<b>(11.5" R.G.)</b>	
Cone/Cup .....		3984-3920
<b>2000-1980</b>	<b>(11.5" R.G.)</b>	
Cone/Cup .....		469-453X
<b>1999-1985</b>	<b>(9.5" R.G.)</b>	
Cup/Cone .....		A42

<sup>20</sup> Hub w/o Rotor <sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - C-30/35, K-30/35, R-30/35, Silverado/Sierra, V-30/35 (cont.)</b>					

## REAR AXLE(cont)

### Differential(cont)

<b>1998-1980</b>	<b>(Dana/Spicer 80 Axle)</b>	
Cone/Cup .....	469-453X	
<b>1997-1980</b>	<b>(Dana/Spicer 70H/D, 70-3H/DAxle)</b>	
Cone/Cup .....	469-453X	
<b>1995-1987</b>	<b>(Isuzu R040 Axle)</b>	
Cone/Cup .....	29590-29522	
<b>1990-1980</b>	<b>(Dana/Spicer 60H/D, 70B, 70UAxle)</b>	
Cone/Cup .....	387A-382S	
<b>1981-1980</b>	<b>(H110 Axle)</b>	
Cone/Cup .....	28990-28919	

### Pinion

<b>2006-2005</b>	<b>(10.5" R.G.)</b>	
Seal .....	710508	
Cone/Cup ; Inner .....	HM807046-HM807010	
Cyl. Bearing .....	R1581TV	
<b>2005-1997</b>	<b>(11.5" R.G.)</b>	
Seal .....	710508	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	HM807046-HM807010	
<b>2004-2003</b>	<b>(10.5" R.G.)</b>	
Seal .....	710508	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>2004-2003</b>	<b>(10.5" R.G.) (H/D)</b>	
Seal .....	710508	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>2002-2000</b>	<b>(10.5" R.G.)</b>	
Seal .....	710508	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>2002-2000</b>	<b>(10.5" R.G.) (H/D)</b>	
Seal .....	710508	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>1999-1998</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....	99193	
Seal .....	710507	
Cone/Cup ; Outer .....	HM88649-HM88610	
Cone/Cup ; Inner .....	HM804846-HM804810	
<b>1999-1988</b>	<b>(10.5" R.G.) (2nd Design) (Prod. From Early 1988 On)</b>	
Seal .....	2286	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>1999-1987</b>	<b>(Isuzu R040 Axle)</b>	
Seal .....	710268	
Cone/Cup ; Outer .....	30309	
Cone/Cup ; Inner .....	30309	

## REAR AXLE(cont)

### Pinion(cont)

<b>1998-1989</b>	<b>(Dana/Spicer 80 Axle)</b>	
Seal Viton .....	4525V	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	HM807046-HM807010	
<b>1997-1981</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....	99193	
Seal .....	3896	
Cone/Cup ; Outer .....	HM88649-HM88610	
Cone/Cup ; Inner .....	HM804846-HM804810	
<b>1997-1980</b>	<b>(Dana/Spicer 70B, 70H/D, 70-3H/D Axle)</b>	
Repair Sleeve .....	99187	
Seal .....	9316	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM807040-HM807010	
<b>1994-1980</b>	<b>(Dana/Spicer 70U Axle)</b>	
Repair Sleeve .....	99187	
Seal .....	9316	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....		
<b>1991-1982</b>	<b>(Rockwell C100 Axle)</b>	
Repair Sleeve .....	99210	
Seal .....	475080N	
Cone/Cup ; Outer .....		
<b>1990-1980</b>	<b>(Dana/Spicer 60H/D Axle)</b>	
Repair Sleeve .....	99187	
Seal .....	9316	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>1988-1980</b>	<b>(10.5" R.G.) (1st Design) (Prod. Thru Early 1988)</b>	
Seal .....	2286	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	R1581TV	
Cyl. Bearing .....		
<b>1981-1980</b>	<b>(H110 Axle)</b>	
Seal .....	411330N	
Ball Bearing ; Outer .....	MU1306TDM	
Cyl. Bearing .....		

## DRIVESHAFT SUPPORT

<b>1996-1980</b>	<b>(Spicer 1280, 13101330) (1.3780" Brg. I.D.),</b>	
Ball Bearing .....	88107	
<b>1984-1980</b>	<b>(Rockwell 58WB) (1.7717" Brg.I.D.)</b>	
Ball Bearing .....	88509	
<b>1984-1980</b>	<b>(Spicer 1550, 1650) (1.7717" Brg.I.D.)</b>	
Ball Bearing .....	88509	

## CLUTCH

### Pilot Bearing

<b>2001-1987</b>	<b>Exc Cable Clutch</b>	
Ball Bearing .....	57080	
<b>1986-1982</b>	<b>Diesel</b>	
Ball Bearing .....	57080	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - C-30/35, K-30/35, R-30/35, Silverado/Sierra, V-30/35 (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Release Bearing</b>		
2000-1996	8 Cyl	
Bearing Assembly .....		614174
1995-1985	8 Cyl Exc Cable Clutch	
Bearing Assembly .....		614109
<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1987-1980	(THM350)	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
1990-1980	All	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
1990-1980	All	
Repair Sleeve .....		99187
Seal .....		6712NA
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2006-1991	(4L80E) (THMR2) (Booted)	
Seal .....		4333N
2006-1991	(4L80E) (THMR2) (Exc. Booted)	
Seal .....		9449
Seal Kit .....		5208
2002-1982	(THM700) (4L60 E)	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
2006-1982	All	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
2006-1991	(4L80E)	
Repair Sleeve .....		99199
Seal .....		4598
2002-1982	(THM700) (4L60 E)	
Repair Sleeve .....		99174
Seal .....		3227
<b>5-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2007-2001	(Allison 1000, 1000/M74)	
Seal .....		415988
<b>Selector Shaft Seal/Man. Shaft</b>		
2007-2001	(Allison 1000, 1000/M74)	
Repair Sleeve .....		8792S
Seal .....		

<b>3-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1987-1980	All	
Repair Sleeve .....		240735
Seal .....		
<b>Front Input Shaft</b>		
1987-1980	(Saginaw)	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S
1982-1980	(Tremec)	
Ball Bearing .....		482208
Seal .....		
<b>Rear Output Shaft</b>		
1987-1980	(Saginaw)	
Ball Bearing .....		99149
Repair Sleeve .....		9613S
Seal .....		5200
Seal Kit .....		
1982-1980	(Tremec)	
Ball Bearing .....		207L
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Input Shaft</b>		
1991-1990	(Muncie) (M20) (CH465) (2nd design)	
Ball Bearing .....		211FFLE
Repair Sleeve .....		99162
Seal .....		481181N
1990-1980	(Muncie M20, CH465) (1st design)	
Ball Bearing .....		N1211L
Repair Sleeve .....		99162
Seal .....		481181N
<b>Rear Output Shaft</b>		
1991-1980	(Muncie M20, CH465)	
Ball Bearing .....		410085
Seal .....		
<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Front Input Shaft</b>		
2007-1999	(New Process 4500)	
Repair Sleeve .....		714655
Seal .....		
1998-1991	(New Process 4500)	
Repair Sleeve .....		714655
Seal .....		
1993-1991	(New Process 3500)	
Ball Bearing .....		307FFL5
Repair Sleeve .....		99138
Seal .....		4529N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - C-30/35, K-30/35, R-30/35, Silverado/Sierra, V-30/35 (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

2007-1991 (N. P. 4500 w/o 15,000 GVWR)	
Cone/Cup .....	M804049-M804010
Seal .....	714654
2001-1991 (New Process 4500) (15,000 GVWR)	
Cone/Cup .....	M804049-M804010
Seal .....	415449
1993-1991 (N.P.3500 # C320844) (4WD)	
Ball Bearing .....	4530
Seal .....	
1993-1991 (N.P.3500 Exc. # C320844) (4WD)	
Ball Bearing .....	4528N
Seal .....	
1993-1991 (New Process 3500) (4WD)	
Ball Bearing .....	4532N
Seal .....	

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

2002-1989 (Warner 1370, 4401, 4470)	
Seal .....	330385
1990-1980 (New Process 205)	
Seal .....	2287

### Input Shaft

2002-1989 (Warner 1370, 4401, 4470)	
Ball Bearing .....	110
Seal .....	714503
1990-1980 (New Process 205) (T400) (late SM465)	
Ball Bearing .....	99193
Repair Sleeve .....	3173
Seal .....	
1989-1988 (New Process 241)	
Ball Bearing .....	N5210KLB
Repair Sleeve .....	99193
Seal .....	3173
1985-1980 (New Process 205) (THM350) (early SM465)	
Ball Bearing .....	1307L
Repair Sleeve .....	99193
Seal .....	3173

### Front Output Shaft

2002-1989 (Warner 1370, 4401, 4470)	
Ball Bearing .....	207
Seal .....	714503
1990-1980 (New Process 205)	
Ball Bearing .....	307L
Seal .....	710005
1989-1988 (New Process 241)	
Ball Bearing .....	207
Repair Sleeve .....	99187
Seal .....	3946

## TRANSFER CASE(cont)

### Rear Output Shaft

2002-1990 (Warner 4470)	
Ball Bearing .....	208
Seal .....	4503N
Seal .....	714503
2002-1989 (Warner 1370, 4401)	
Ball Bearing .....	207
Seal .....	4503N
Seal .....	714503
1990-1980 (New Process 205)	
Ball Bearing .....	307L
Seal .....	473468

### Oil Pump Housing

1989-1988 (New Process 241)	
Repair Sleeve .....	99225
Seal .....	341022

### Idler Shaft

1990-1980 (New Process 205)	
Cone/Cup .....	2793-2720

## POWER STEERING

### Pump Shaft

2001-1980 All	
Seal .....	480821

### Worm Shaft

1991-1980 Exc. P Ser.	
Seal .....	222025

### Pitman Shaft

1991-1988 Exc. C/K Ser.	
Seal ; Inner .....	471413
Seal ; Outer .....	7412S
Seal Kit .....	PSK1
Repair Sleeve; Outer .....	99125
1987-1980 All	
Seal ; Inner .....	471413
Seal ; Outer .....	7412S
Seal Kit .....	PSK1
Repair Sleeve; Outer .....	99125

## MANUAL STEERING

### Worm Shaft

1987-1980 All	
Ball Bearing .....	8537
Seal .....	7013S

### Pitman Shaft

1987-1980 All	
Seal .....	313842

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

1988-1980 All	
Repair Sleeve .....	99176
Seal .....	9845

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - C-30/35, K-30/35, R-30/35, Silverado/Sierra, V-30/35 (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>8 Cylinder</b>		
2004-2001	402/6.6L (Diesel)	
Repair Sleeve .....		99233
Seal .....		3945
2000-1983	454 & (Diesel)	
Repair Sleeve .....		99233
Seal .....		3945
2000-1980	(w/o 454 & Diesel )	
Repair Sleeve .....		99176
Seal .....		9845

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
2000-1986	(w/o 454 & Diesel )	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1991-1983	(Diesel)	
Seal .....		5163
1990-1988	(454/7.4L)	
Seal .....		5072
1985-1980	(w/o 454 & (Diesel) )	
Seal .....		5092

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1988-1980	All	
Seal .....		5092
<b>8 Cylinder</b>		
2006-2001	364/6.0L	
Seal .....		100085
2006-2001	402/6.6L (Diesel)	
Seal Viton .....		710258
2000-1992	(Diesel)	
Seal Viton .....		710258
2000-1991	(454/7.4L)	
Seal Viton .....		2261

<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - G30/G35, P30/P35, Express/Savana</b>					
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<b>FRONT WHEEL</b>		
<b>2WD</b>		
2006-2003	(Over 9600 GVWR)	
Hub Assembly .....		515059
2006-2003	(Under 9600 GVWR)	
Hub Assembly .....		515060
2002-1992	Express, G Series, Savanna	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		4740
Cup/Cone; Inner .....		A35
1999-1991	P Series (Exc. I Beam Axle)	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		4740
Cup/Cone; Inner .....		A35
1999-1980	P Series (I Beam Axle)	
Cone/Cup ; Outer .....		15103S-15243
Cone/Cup ; Inner .....		26884-26823
Seal ; Inner .....		5682

<b>FRONT WHEEL(cont)</b>		
<b>2WD(cont)</b>		
1991-1980	G30/G35 (Disc Brks.)	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		8974S
Cup/Cone; Inner .....		A35
1990-1980	P Series (Exc. I Beam Axle)	
Cone/Cup ; Outer .....		15103S-15243
Seal ; Inner .....		8974S
Cup/Cone; Inner .....		A35

<b>REAR WHEEL</b>		
<b>1999-1997 P Series Motor Home</b>		
Cone/Cup ; Outer .....	JLM506849-JLM506810	
Cone/Cup ; Inner .....		HD210
Seal ; Inner .....		6358
<b>1999-1982 P Ser (10.5" RG) (Exc. Motor Home)</b>		
Cone/Cup ; Inner .....		387AS-382A
Seal ; Inner .....		2081
Cup/Cone; Outer .....		A38

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - G30/G35, P30/P35, Express/Savana (cont.)</b>					

## REAR WHEEL(cont)

<b>1996-1982</b>	<b>P Series Motor Home</b>	
Cone/Cup ; Outer .....	387A-382A	
Cone/Cup ; Inner .....	395CS-394CS	
Seal ; Inner .....	6358	
<b>1991-1983</b>	<b>(9.5" R.G.)</b>	
Seal ; Inner .....	3747	
Cyl. Bearing ; Inner .....	R1561TV	
Optional Repair Bearing .....	RP1561GM <sup>91</sup>	
<b>1981-1980</b>	<b>G30/G35</b>	
Cone/Cup ; Inner .....	387AS-382A	
Seal ; Inner .....	2081	
Cup/Cone; Outer .....	A38	
<b>1981-1980</b>	<b>P Series</b>	
Cone/Cup ; Outer .....	387-382	
Cone/Cup ; Inner .....	395CS-394CS	
Seal ; Inner .....	6358	

## 4WD FRONT AXLE

### Differential

<b>2006-2003</b>	<b>All</b>	
Cup/Cone .....	A18	

### Pinion

<b>2006-2003</b>	<b>All</b>	
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M86649-M86610	

## REAR AXLE

### Differential

<b>2006-2003</b>	<b>(10.5" R.G.)</b>	
Cone/Cup .....	469-453X	
<b>2002-1992</b>	<b>(10.5" R.G.)</b>	
Cone/Cup .....	387AS-382A	
<b>1996-1983</b>	<b>(9.5" R.G.)</b>	
Cup/Cone .....	A42	
<b>1991-1988</b>	<b>(10.5" R.G.) (DRW &amp; 7.4L)</b>	
Cone/Cup .....	469-453X	
<b>1990-1980</b>	<b>(9.5", 9.75" R.G.) (10.5") (5.7L or 6.2L) (DRW &amp; Spicer)</b>	
Cone/Cup .....	387A-382S	
<b>1984-1980</b>	<b>(10.5" R.G.) (Exc. Spicer Axle)</b>	
Cone/Cup .....	387AS-382A	

### Pinion

<b>2006</b>	<b>(9.75" R.G.)</b>	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>2006-2003</b>	<b>(10.5" R.G.)</b>	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM807040-HM807010	

## REAR AXLE(cont)

### Pinion(cont)

<b>2002-1998</b>	<b>(10.5" R.G.)</b>	
Seal .....	710505	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>1997-1996</b>	<b>(10.5" R.G.)</b>	
Seal .....	2286	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>1995-1991</b>	<b>(10.5" R.G.) (Exc. Spicer Axle)</b>	
Seal .....	2286	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	R1581TV	
<b>1995-1985</b>	<b>(9.5" R.G.)</b>	
Repair Sleeve .....	99193	
Seal .....	3896	
Cone/Cup ; Outer .....	HM88649-HM88610	
Cone/Cup ; Inner .....	HM804846-HM804810	
<b>1991-1985</b>	<b>(10.5" R.G.) (Spicer Axle)</b>	
Cone/Cup .....	99187	
Repair Sleeve .....	9316	
Seal .....	HM88542-HM88510	
Cone/Cup ; Outer .....	HM807040-HM807010	
Cone/Cup ; Inner .....		
<b>1991-1980</b>	<b>(9.75" R.G.)</b>	
Repair Sleeve .....	99187	
Seal .....	9316	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>1984-1980</b>	<b>(10.5" R.G.) (4.10 Or 4.56 Axle)</b>	
Repair Sleeve .....	99187	
Seal .....	9316	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....		
<b>1984-1980</b>	<b>(10.5" R.G.) (Exc. 4.10 or 4.56 Axle)</b>	
Repair Sleeve .....	99187	
Seal .....	9316	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM807040-HM807010	
<b>1982-1980</b>	<b>(10.5" R.G.) (Exc. Spicer Axle)</b>	
Seal .....	2286	
Cone/Cup ; Outer .....	M802048-M802011	
Cone/Cup ; Inner .....	R1581TV	
Cyl. Bearing .....		

## DRIVESHAFT SUPPORT

<b>1990-1980</b>	<b>All</b>	
Ball Bearing .....	88107	

## CLUTCH

### Pilot Bearing

<b>2002-2001</b>	<b>8 Cyl 496ci/8.0L</b>	
Ball Bearing .....	203FF	

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - G30/G35, P30/P35, Express/Savana (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Pilot Bearing(cont)</b>		
2002-1987	8 Cyl (Exc 496ci/8.1L)	
Ball Bearing .....		57080
2002-1982	Diesel, Turbo Diesel	
Ball Bearing .....		57080
<b>Release Bearing</b>		
2000-1984	Hydraulic Clutch	
Bearing Assembly .....		614174
<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1995-1980	(w/o 4L80E, THM400, THM475)	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
1990-1980	All	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
1995-1983	(THM700) (4L60 E)	
Repair Sleeve .....		99174
Seal .....		3227
1992-1980	(w/o THM700)	
Repair Sleeve .....		99187
Seal .....		6712NA
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2006-1991	(4L80E) (Booted)	
Seal .....		4333N
2006-1991	(4L80E) (Exc. Booted)	
Seal .....		9449
Seal Kit .....		5208
2006-1983	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
2006-1982	All	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
2006-1991	(4L80E)	
Repair Sleeve .....		99199
Seal .....		4598
2006-1982	(THM700) (4L60 E)	
Repair Sleeve .....		99174
Seal .....		3227
<b>3-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1987-1980	All	
Seal .....		312518

<b>3-SPEED MANUAL TRANSMISSION(cont)</b>		
<b>Front Input Shaft</b>		
1987-1980	(Saginaw)	
Ball Bearing .....		207SLB
Repair Sleeve .....		99125
Seal .....		7412S
1982-1980	(Tremec)	
Ball Bearing .....		1208L
Seal .....		482208
<b>Rear Output Shaft</b>		
1987-1980	(Saginaw)	
Ball Bearing .....		99149
Repair Sleeve .....		9613S
Seal .....		5200
Seal Kit .....		
1982-1980	(160T Dearborn Tremec) (77mmshaft)	
Ball Bearing .....		207SLB
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Input Shaft</b>		
1990-1983	(New Process MY6)	
Repair Sleeve .....		99125
Seal .....		7412S
1989-1985	(Muncie)	
Ball Bearing .....		308L
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Rear Output Shaft</b>		
1990-1983	(New Process)	
Ball Bearing .....		308LOE
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
1989-1985	(Muncie)	
Ball Bearing .....		308L
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
2000-1980	All	
Ball Bearing .....		8537
Seal .....		7013S
<b>Worm Shaft</b>		
1996-1980	All	
Seal .....		222025

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK &amp; VAN- 1 TON - G30/G35, P30/P35, Express/Savana (cont.)</b>					

## POWER STEERING(cont)

### Pitman Shaft

2000-1980	All	
Seal ; Inner	.....	471413
Seal ; Outer	.....	7412S
Seal Kit	.....	PSK1
Repair Sleeve; Outer	.....	99125

## MANUAL STEERING

### Worm Shaft

1990-1980	All	
Ball Bearing	.....	8537
Seal	.....	7013S

### Pitman Shaft

1990-1980	All	
Seal	.....	313842

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

1999-1980	All	
Repair Sleeve	.....	99176
Seal	.....	9845

### 8 Cylinder

2006	4.8L	
Seal	.....	100085
2004-1980	(w/o 454 & Diesel )	
Repair Sleeve	.....	99176
Seal	.....	9845
2002-1983	454 & (Diesel)	
Repair Sleeve	.....	99233
Seal	.....	3945

## CRANKSHAFT REAR SEAL

### 6 Cylinder

1999-1985	All	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1984-1980	All	
Seal	.....	5092

### 8 Cylinder

2006	6.6L (Diesel)	
Seal Viton	.....	710258
2006-2003	292/4.8L, 364/6.0L	
Seal	.....	100085
2002-1992	(Diesel)	
Seal Viton	.....	710258
2002-1986	305/5.0L, 350/5.7L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
2000-1992	(454/7.4L)	
Seal Viton	.....	2261
1991-1988	(454/7.4L)	
Seal	.....	5072
1991-1983	(Diesel)	
Seal	.....	5163
1985-1980	(w/o 454 & Diesel )	
Seal	.....	5092

# CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500

## FRONT WHEEL

1998-1997	(12,000 lb. Axle W7R042HD)	
Cone/Cup ; Outer	..... JM205149-JM205110	
Seal Viton ; Inner	.....	370212A <sup>21</sup>
1998-1997	(W6R042)	
Cone/Cup ; Outer	.....	32207
Cone/Cup ; Inner	..... JM205149-JM205110	
Seal Viton ; Inner	.....	370199A <sup>21</sup>
1998-1997	(W7R042M)	
Cone/Cup ; Inner	.....	32208
Seal ; Inner	.....	370211A <sup>21</sup>
1997-1993	(9,000 lb. Axle B7T042)	
Cone/Cup ; Outer	.....	33208
Seal ; Outer	.....	370211A <sup>21</sup>

## FRONT WHEEL(cont)

1997-1990	(11,000 lb. Axle C6H042,C7H042, C7H064, W7R042HD)	
Cone/Cup ; Outer	.....	33208
Seal ; Inner	.....	370211A <sup>21</sup>
1997-1990	(14,500 lb. Axle)	
Cone/Cup ; Outer	..... JM205149A-JM205110	
Seal Viton ; Inner	.....	370212A <sup>21</sup>
1997-1990	(16,000 lb. Axle C6H042,C7H042, C7H064)	
Cone/Cup ; Outer	.....	557S-552A
Cone/Cup ; Inner	.....	HD218
Seal ; Inner	.....	370182A <sup>21</sup>

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

## FRONT WHEEL(cont)

<b>1997-1990</b>	<b>(8,000 lb. Axle B7T042, C5H042,C6H042, C7H042, C7H064,P6S042)</b>	
Cone/Cup ; Outer .....	32207	
Cone/Cup ; Inner .....	JM205149A-JM205110	
Seal Viton ; Inner .....	370199A <sup>21</sup>	
<b>1997-1988</b>	<b>(W5S042)</b>	
Cone/Cup ; Outer .....	513045	
Cone/Cup ; Inner .....	710087	
Seal ; Inner .....		
<b>1996-1992</b>	<b>(12,000 lb. Axle C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	33208	
Seal ; Inner .....	370211A <sup>21</sup>	
<b>1996-1989</b>	<b>(W7R042M Air Brks. Z06 Axle)</b>	
Cone/Cup ; Outer .....	710084	
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1996-1987</b>	<b>(H/D W7R042)</b>	
Cone/Cup ; Outer .....	710084	
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1996-1987</b>	<b>(W7R042M Hyd.Brks. Z05 Axle)</b>	
Cone/Cup ; Outer .....	HD202	
Cone/Cup ; Inner .....	710088	
Seal ; Inner .....		
<b>1994-1990</b>	<b>(W7R042T)</b>	
Cone/Cup ; Outer .....	710088	
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1991</b>	<b>(12,000 lb. Axle Early C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	33208	
Seal ; Inner .....	370211A <sup>21</sup>	
<b>1991</b>	<b>(12,000 lb. Axle Late C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	33208	
Seal Viton ; Inner .....	370212A <sup>21</sup>	
<b>1991-1989</b>	<b>(9,000 lb. Axle B6P042, C6D042)</b>	
Cone/Cup ; Outer .....	45282-45220	
Cone/Cup ; Inner .....	HD202	
Seal ; Inner .....	370011A <sup>21</sup>	
<b>1991-1989</b>	<b>(9,000 lb. Axle C7D064)</b>	
Cone/Cup ; Outer .....	26878-26820	
Cone/Cup ; Inner .....	39581-39520	
Seal ; Inner .....	370018A <sup>21</sup>	

## FRONT WHEEL(cont)

<b>1991-1980</b>	<b>(7,000 lb. Axle F070, B6P042,C5D042, C6D042, C7D042,C7D064, P4T042, P6T042)</b>	
Cone/Cup ; Outer .....	2796-2720	
Cone/Cup ; Inner .....	45284-45220	
Seal ; Inner .....	8976S	
Seal ; Outer .....	370145A <sup>21</sup>	
<b>1990</b>	<b>(14,000 lb. Axle C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	JM205149A-JM205110	
Seal Viton ; Inner .....	370212A <sup>21</sup>	
<b>1990-1980</b>	<b>(12,000 lb. Axle B6P042,C6D042, P6T042, S7T042)</b>	
Cone/Cup ; Outer .....	45282-45220	
Cone/Cup ; Inner .....	HD202	
Seal ; Inner .....	370011A <sup>21</sup>	
<b>1990-1980</b>	<b>(5,000 lb. Axle F050, C5D042,C6D042, C7D042, P4T042)</b>	
Cone/Cup ; Outer .....	15103S-15243	
Cone/Cup ; Inner .....	3578A-3525	
Seal ; Inner .....	8975S	
<b>1990-1980</b>	<b>(5,500 lb. Axle F055, C5D042,C6D042, C7D042, P4T042)</b>	
Cone/Cup ; Outer .....	15103S-15243	
Cone/Cup ; Inner .....	3578A-3525	
Seal ; Inner .....	8975S	
<b>1989-1980</b>	<b>(11,000 lb. Axle)</b>	
Cone/Cup ; Outer .....	45282-45220	
Cone/Cup ; Inner .....	HD202	
<b>1988-1980</b>	<b>(9,000 lb. Axle B6P042, C6D042,C7D064)</b>	
Cone/Cup ; Outer .....	26878-26820	
Cone/Cup ; Inner .....	39581-39520	
Seal ; Inner .....	370018A <sup>21</sup>	

## REAR WHEEL

<b>1998-1997</b>	<b>(Spicer S150S) (W6R042)</b>	
Cone/Cup ; Outer .....	45282-45220	
Cone/Cup ; Inner .....	HD202	
Seal ; Inner .....	370008A <sup>21</sup>	
<b>1998-1988</b>	<b>W5S042</b>	
Cone/Cup ; Inner .....	32215	
Seal ; Inner .....	710085	
Seal ; Outer .....	710086	
<b>1997-1990</b>	<b>(Eaton 21065, 22065, 23070,23085, 23105, 26085Axle) (B7T042, C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD206	
Cone/Cup ; Inner .....	HD203	
Seal ; Inner .....	370003A <sup>21</sup>	
<b>1997-1990</b>	<b>(Eaton 23105 Axle) (C5H042)</b>	
Cone/Cup ; Outer .....	HD209	
Cone/Cup ; Inner .....	HD203	
Seal ; Inner .....	370023A <sup>21</sup>	

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

## REAR WHEEL(cont)

<b>1997-1990</b>	<b>(Eaton DS341, DT341, DS402 Axle) (C7H064)</b>	
Cone/Cup ; Outer .....	HD209	
Cone/Cup ; Inner .....	HD203	
Seal ; Inner .....	370023A <sup>21</sup>	
<b>1997-1990</b>	<b>(Rockwell 23160 Axle) (C6H042,C7H042)</b>	
Cone/Cup ; Outer .....	HD206	
Cone/Cup ; Inner .....	HD203	
Seal ; Inner .....	370003A <sup>21</sup>	
<b>1997-1990</b>	<b>(Rockwell SL100, SQ100PAxle) (C7H064)</b>	
Cone/Cup ; Outer .....	HD209	
Cone/Cup ; Inner .....	370023A <sup>21</sup>	
Seal ; Inner .....		
<b>1997-1988</b>	<b>(Eaton 15040 Axle) (B7T042,C6H042, C7H042, P4T042,P6S042)</b>	
Cone/Cup ; Outer .....	3982-3920	
Cone/Cup ; Inner .....	33287-33462	
Seal ; Inner .....	370008A <sup>21</sup>	
<b>1997-1987</b>	<b>(Eaton 15040 Axle) (C5D042,C5H042, P4T042)</b>	
Cone/Cup ; Outer .....	3982-3920	
Cone/Cup ; Inner .....	33287-33462	
Seal ; Inner .....	370008A <sup>21</sup>	
<b>1996-1991</b>	<b>(Eaton 19050 B7T042, P6S042)</b>	
Cone/Cup .....	HD210	
Cone/Cup ; Inner .....	HD209	
Seal ; Inner .....	370024A <sup>21</sup>	
<b>1996-1990</b>	<b>(W6R042)</b>	
Cone/Cup ; Inner .....	32215	
Seal ; Inner .....	710085	
Seal ; Outer .....	710086	
<b>1996-1988</b>	<b>(Eaton 19050, 19055Axle) (C5D042, C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD210	
Cone/Cup ; Inner .....	HD209	
Seal ; Inner .....	370023A <sup>21</sup>	
<b>1994-1987</b>	<b>(W7R042HD, W7R042T)</b>	
Seal ; Inner .....	710089	
Seal ; Outer .....	710090	
<b>1994-1987</b>	<b>(W7R042M)</b>	
Cone/Cup ; Outer .....	32215	
Cone/Cup ; Inner .....	32216	
Seal ; Inner .....	710278	
Seal ; Outer .....	710277	

## REAR WHEEL(cont)

<b>1992-1982</b>	<b>50, 60, 70 Ser. (17500 lb. H175,T175 Axle) (B6P042, C6D042,C7D042, C7D064, P6T04)</b>	
Cone/Cup ; Outer .....	HD210	
Cone/Cup ; Inner .....	495AX-493	
Seal ; Inner .....	370009A <sup>21</sup>	
Seal ; Outer .....	6864S	
<b>1992-1980</b>	<b>50, 60, 70 Ser. (19000 lb. Axle)</b>	
Cone/Cup ; Outer .....	HD209	
Cone/Cup ; Inner .....	HD203	
Seal ; Inner .....	370023A <sup>21</sup>	
<b>1991-1988</b>	<b>40, 50, 60 Ser. (H110, 11000 lb.Axle) (B6P042, C6D042, P6T042)</b>	
Cone/Cup ; Outer .....	3984-3920	
Cone/Cup ; Inner .....	370046A <sup>21</sup>	
Seal ; Inner .....		
<b>1991-1988</b>	<b>40, 50, 60 Ser. (H135, 13500 lb.Axle) (B6P042, C6D042, P6T042)</b>	
Cone/Cup ; Outer .....	3984-3920	
Cone/Cup ; Inner .....	370046A <sup>21</sup>	
Seal ; Inner .....		
<b>1991-1980</b>	<b>(Eaton 17121, 17221Axle) (B6P042, C6D042, P6T042)</b>	
Cone/Cup ; Outer .....	HD210	
Cone/Cup ; Inner .....	HD209	
Seal ; Inner .....	370023A <sup>21</sup>	
<b>1991-1980</b>	<b>50, 60 Ser. (15000 lb. H150,T150 Axle) (B6P042, C6D042,P6T042)</b>	
Cone/Cup ; Outer .....	3982-3925	
Cone/Cup ; Inner .....	33287-33472	
Seal ; Inner .....	370009A <sup>21</sup>	
Seal ; Outer .....	6864S	
<b>1987</b>	<b>(Eaton 15040 Axle) (P4T042)</b>	
Cone/Cup ; Outer .....	3982-3920	
Cone/Cup ; Inner .....	33287-33462	
Seal ; Inner .....	370009A <sup>21</sup>	
<b>1987-1986</b>	<b>(Eaton 15101 Axle)</b>	
Cone/Cup ; Outer .....	3982-3920	
Cone/Cup ; Inner .....	33287-33462	
Seal ; Inner .....	370008A <sup>21</sup>	
<b>1987-1982</b>	<b>40, 50, 60 Ser. (H110, 11000 lb.Axle) (C5D042, C6D042, P6T042)</b>	
Cone/Cup ; Outer .....	3984-3920	
Cone/Cup ; Inner .....	370046A <sup>21</sup>	
Seal ; Inner .....		
<b>1987-1982</b>	<b>40, 50, 60 Ser. (H135, 13500 lb.Axle) (C5D042, C6D042, P6T042)</b>	
Cone/Cup ; Outer .....	3984-3920	
Cone/Cup ; Inner .....	370046A <sup>21</sup>	
Seal ; Inner .....		

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>1981-1980</b>	<b>40 Ser., 50 Ser. (11000 lb. Axle)</b>	
	Cone/Cup ; Outer .....	387-382
	Cone/Cup ; Inner .....	395CS-394CS
	Seal ; Inner .....	6358
<b>1981-1980</b>	<b>40, 50, 60 Ser. (13500 lb. Axle)</b>	
	Cone/Cup ; Outer .....	387-382
	Cone/Cup ; Inner .....	395CS-394CS
	Seal ; Inner .....	2055
<b>1981-1980</b>	<b>40, 50, 60 Ser. (15000 lb. H150Axle) (15"x4" Hyd. Brks.) (P4T042)</b>	
	Cone/Cup ; Outer .....	485497
	Cone/Cup ; Inner .....	
	Seal ; Inner .....	
<b>1981-1980</b>	<b>50 Ser. (15000 lb. T150Axle) (15"x5" Hyd. Brks.)</b>	
	Cone/Cup ; Outer .....	3982-3925
	Cone/Cup ; Inner .....	33287-33472
	Seal ; Inner .....	9128S
<b>1981-1980</b>	<b>50, 60, 70 Ser. (17000 lb. Axle)</b>	
	Cone/Cup ; Outer .....	HD210
	Cone/Cup ; Inner .....	495AX-493
	Seal ; Inner .....	9128S

<b>AXLE</b>		
<b>Differential</b>		
<b>1997-1990</b>	<b>(Rockwell SL100P, SQ100PAxles)</b>	
	Cone/Cup ; LH .....	JM716649-JM716610
	Cone/Cup ; RH .....	JM716649-JM716610
<b>1997-1984</b>	<b>(Eaton DS341 Axle)</b>	
	Cone/Cup ; LH .....	HD216
	Cone/Cup ; RH .....	
<b>1997-1980</b>	<b>(Eaton DT341, DT381, DS402,DT402 Axles)</b>	
	Cone/Cup ; LH .....	56425-56650
	Cone/Cup ; RH .....	
<b>1987-1980</b>	<b>(Eaton 34DT Axle)</b>	
	Cone/Cup ; LH .....	56425-56650
	Cone/Cup ; RH .....	
<b>Through Shaft - Output Shaft</b>		
<b>1997-1984</b>	<b>(Eaton DS341, DT341, DT381,DS402, DT402 Axles)</b>	
	Cone/Cup ; Inner .....	29675-29620
	Seal ; Outer .....	475003N
	Ball Bearing ; Outer .....	
<b>1983-1980</b>	<b>(Eaton 34DS, 34DT Axles)</b>	
	Cone/Cup ; Inner .....	34274-34492A
	Seal ; Outer .....	475003N
	Ball Bearing ; Outer .....	

<b>SINGLE REAR AXLE</b>		
<b>Differential</b>		
<b>1997-1990</b>	<b>(Eaton 15040T Axle)</b>	
	Cone/Cup ; LH .....	498-493
	Cone/Cup ; RH .....	33275-33472

<b>SINGLE REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
<b>1997-1990</b>	<b>(Eaton 26085P, 26085T Axles)</b>	
	Cone/Cup ; LH .....	42346-42584
	Cone/Cup ; RH .....	
<b>1997-1988</b>	<b>(Eaton 19050T, 19055D, 19055S,19055T Axles)</b>	
	Cone/Cup ; LH .....	42381-42584
	Cone/Cup ; RH .....	495A-493
<b>1997-1987</b>	<b>(Eaton 15040S Axle)</b>	
	Cone/Cup ; LH .....	3994-3920
	Cone/Cup ; RH .....	
<b>1997-1983</b>	<b>(Eaton 21065T Axle)</b>	
	Cone/Cup ; LH .....	56425-56650
	Cone/Cup ; RH .....	
<b>1997-1983</b>	<b>(Eaton 23070P, 23070T Axles)</b>	
	Cone/Cup ; LH .....	56425-56650
	Cone/Cup ; RH .....	
<b>1997-1980</b>	<b>(Eaton 17200, 17220,17221,17800, 17801,18221, 7800 Axles)</b>	
	Cone/Cup ; LH .....	56425-56650
	Cone/Cup ; RH .....	
<b>1995-1988</b>	<b>(Isuzu R065 Axle)</b>	
	Cone/Cup ; LH .....	3984-3920
	Cone/Cup ; RH .....	3984-3920
<b>1995-1988</b>	<b>(Isuzu R077 Axle)</b>	
	Cone/Cup ; LH .....	30214
	Cone/Cup ; RH .....	30214
<b>1994-1987</b>	<b>(Isuzu R094 Axle)</b>	
	Cone/Cup ; LH .....	32216
	Cone/Cup ; RH .....	32216
<b>1994-1983</b>	<b>(Dana/Spicer M185T, M190S,M190T, M220T Axles)</b>	
	Cone/Cup ; LH .....	JM822049-JM822010
	Cone/Cup ; RH .....	JM716649-JM716610
<b>1991-1988</b>	<b>(Eaton 17401 Axle)</b>	
	Cone/Cup ; LH .....	HD216
	Cone/Cup ; RH .....	3994-3920
<b>1991-1986</b>	<b>(Eaton 16121 Axle)</b>	
	Cone/Cup ; LH .....	HD216
	Cone/Cup ; RH .....	3994-3920
<b>1988-1982</b>	<b>(T175 Axle)</b>	
	Cone/Cup ; LH .....	42381-42584
	Cone/Cup ; RH .....	495AX-493
<b>1988-1980</b>	<b>(Eaton 17101, 17121, 18121,22121 Axles)</b>	
	Cone/Cup ; LH .....	HD216
	Cone/Cup ; RH .....	
<b>1988-1980</b>	<b>(Eaton 23221 Axle)</b>	
	Cone/Cup ; LH .....	42346-42584
	Cone/Cup ; RH .....	
<b>1987</b>	<b>(Eaton 15040T Axle)</b>	
	Cone/Cup ; LH .....	3994-3920
	Cone/Cup ; RH .....	33275-33472

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

## **SINGLE REAR AXLE(cont)**

### **Differential(cont)**

<b>1987-1986 (Eaton 15101 Axle)</b>	
Cone/Cup ; LH .....	3994-3920
Cone/Cup ; RH .....	33275-33472
<b>1987-1984 (Dana/Spicer 70 H/D Axle)</b>	
Cone/Cup ; LH .....	469-453X
Cone/Cup ; RH .....	469-453X
<b>1987-1983 (Dana/Spicer G190S Axle)</b>	
Cone/Cup ; LH .....	42381-42584
Cone/Cup ; RH .....	
<b>1986-1983 (H135 Axle)</b>	
Cone/Cup .....	3994-JM511910
<b>1986-1980 (H150 Axle)</b>	
Cup/Cone .....	KR12051Z
<b>1982-1980 (H110 Axle)</b>	
Cone/Cup .....	28990-28919
<b>1982-1980 (H135 Axle)</b>	
Cone/Cup .....	28985-28921
<b>1982-1980 (T150 Axle) (From Early 1965 On)</b>	
Cone/Cup ; LH .....	42381-42584
Cone/Cup ; RH .....	33275-33472
<b>1980 (T170 Axle)</b>	
Cone/Cup ; LH .....	42381-42584
Cone/Cup ; RH .....	33287-33472

### **Pinion**

<b>1997-1990 (Eaton 23070P, 23070T Axles)</b>	
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	78215C-78551
Seal ; Outer .....	712937
Cyl. Bearing .....	
<b>1997-1990 (Eaton 26085P, 26085T Axles)</b>	
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	78215C-78551
Seal ; Outer .....	712937
Cyl. Bearing .....	
<b>1997-1990 (Rockwell 23160 Axle)</b>	
Cone/Cup ; Outer .....	HM813843-HM813810
Seal ; Outer .....	
<b>1997-1988 (Eaton 19050S Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	72200C-72487
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	

## **SINGLE REAR AXLE(cont)**

### **Pinion(cont)**

<b>1997-1988 (Eaton 19050T, 19055D, 19055S, 19055T Axle) (2.375" Pinion Shaft)</b>	
Cone/Cup ; Outer .....	55175C-55437
Cone/Cup ; Inner .....	55175C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1997-1987 (Eaton 15040S Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	55175C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUB1305UDM
<b>1997-1987 (Eaton 15040T Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	HM903249-HM903210
Cyl. Bearing .....	MU1305TDM
Seal Kit ; Outer .....	722250
<b>1997-1987 (Eaton 21065S Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	78215C-78551
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	
<b>1997-1987 (Eaton 21065T Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	72200C-72487
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1997-1987 (Eaton 23070S, 23105S Axles)</b>	
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	712937
Seal ; Outer .....	
Cyl. Bearing .....	
<b>1994-1990 (Eaton 1504T Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	HM903249-HM903210
<b>1994-1983 (Dana/Spicer M185T, M190S, M190T, M220T Axles)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	72225C-72487
Seal ; Outer .....	477163N
Cyl. Bearing .....	
<b>1994-1982 (15,000 lb. 2 Spd. Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	HM903249-HM903210
<b>1992-1982 (13,500 lb. Axle)</b>	
Cone/Cup ; Outer .....	HM803146-HM803110
Cone/Cup ; Inner .....	
<b>1992-1982 (17,000 lb. 1 Spd. Axle)</b>	
Cone/Cup ; Outer .....	HM804846-HM804810
Cone/Cup ; Inner .....	55200C-55437

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

## **SINGLE REAR AXLE(cont)**

### **Pinion(cont)**

<b>1992-1982 (17,000 lb. 2 Spd. Axle)</b>	
Cone/Cup ; Outer .....	55175C-55437
Cone/Cup ; Inner .....	55175C-55437
<b>1992-1980 (Eaton 34RT Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	55200C-55437
<b>1992-1980 (R S SLHR Axle)</b>	
Cone/Cup ; Outer .....	72200C-72487
Cone/Cup ; Inner .....	
<b>1991-1986 (Eaton 16121, 17401 Axles) (2.625" Pinio Shaft)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	HM903249-HM903210
Seal ; Outer .....	712625
Cyl. Bearing .....	MUS1307UM
<b>1991-1986 (Eaton 16121, 17401Axles) (2.375" Pinion Shaft)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	HM903249-HM903210
Seal ; Outer .....	712375
Cyl. Bearing .....	MUS1307UM
<b>1991-1982 (379/6.2L Diesel)</b>	
Seal .....	5163
<b>1988-1982 (T175 Axle)</b>	
Cone/Cup ; Outer .....	55175C-55437
Cone/Cup ; Inner .....	55175C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1988-1980 (Eaton 17101, 17121, 17201,17221 Axles)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	55200C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1988-1980 (Eaton 23221 Axle)</b>	
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	78215C-78551
Seal ; Outer .....	712937
Cyl. Bearing .....	
<b>1987-1986 (Eaton 15101 Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	HM903249-HM903210
Cyl. Bearing .....	MU1305TDM
<b>1987-1986 (Eaton 17421 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	78215C-78551
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1987-1986 (Pinion Shaft Seal Exc. Retainer)</b>	
Repair Sleeve .....	99225
Seal .....	470737N

## **SINGLE REAR AXLE(cont)**

### **Pinion(cont)**

<b>1987-1986 (Pinion Shaft Seal Retainer)</b>	
Seal Kit .....	722250
<b>1987-1984 (Dana/Spicer 70 H/D Axle)</b>	
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM807040-HM807010
Seal ; Outer .....	9316
Repair Sleeve; Outer .....	99187
<b>1987-1983 (Dana/Spicer G190S Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	55200C-55437
Cyl. Bearing .....	MUS1307UM
Seal Viton ; Outer .....	455088V
<b>1986 (T150 Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210
Cone/Cup ; Inner .....	HM903249-HM903210
Seal Kit ; Outer .....	722250
<b>1986-1985 (Eaton 22121 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	55200C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1986-1983 (H110 Axle)</b>	
Seal ; Outer .....	475080N
Repair Sleeve; Outer .....	99210
Ball Bearing ; Outer .....	MU1306TDM
Cyl. Bearing .....	MU1305TDM
Cyl. Bearing ; Inner .....	
<b>1986-1983 (H135 Axle)</b>	
Cone/Cup ; Outer .....	HM803146-HM803110
Cone/Cup ; Inner .....	475080N
Seal ; Outer .....	99210
Repair Sleeve; Outer .....	MU1305TDM
Cyl. Bearing .....	
<b>1986-1980 (H150 Axle)</b>	
Seal ; Outer .....	411330N
Cyl. Bearing .....	MR5206EL
<b>1984-1980 (Eaton 22121, 22221 Axles)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	72200C-72487
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1982-1980 (H110 Axle)</b>	
Seal ; Outer .....	411330N
Ball Bearing ; Outer .....	MU1306TDM
Cyl. Bearing .....	
<b>1982-1980 (H135, H150, H170 Axles)</b>	
Seal ; Outer .....	411330N
Cyl. Bearing .....	MR5206EL

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

## SINGLE REAR AXLE(cont)

### Pinion(cont)

<b>1982-1980 (T150 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	712598
Seal ; Outer .....	M5305TV
Cyl. Bearing .....	
<b>1981-1980 (15,000 lb. 2 Spd. Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	
<b>1981-1980 (17,000 lb. 2 Spd. Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	
<b>1981-1980 (T185 Axle)</b>	
Cone/Cup ; Outer .....	475009N
Cone/Cup ; Inner .....	
Seal ; Outer .....	
<b>1980 (454/7.4L)</b>	
Seal .....	5072
<b>1980 (Eaton 18121, 18221 Axles)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	55200C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1980 (H170 Axle)</b>	
Seal ; Outer .....	411330N
Cyl. Bearing .....	
<b>1980 (T170 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	712598
Seal ; Outer .....	M5305TV
Cyl. Bearing .....	

## TANDEM REAR AXLE - FRONTMOST

<b>1983-1980 (Eaton 34DS Axle) (Conical Center Section)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	
<b>1983-1980 (Eaton 34DS Axle) (Ribbed Center Section)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	

### Pinion

<b>1997-1990 (Rockwell SL100P, SQ100PAxles)</b>	
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	72212C-72487
Cyl. Bearing .....	RU1570UM
<b>1997-1985 (Eaton DS341 Axle)</b>	
Repair Sleeve .....	99262
Seal .....	9773
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	55200C-55437
Cyl. Bearing .....	MUS1307UM

## TANDEM REAR AXLE - FRONTMOST(cont)

### Pinion(cont)

<b>1997-1984 (Eaton DT341, DT381, DS402,DT402 Axles)</b>	
Cone/Cup ; Outer .....	HM807049-HM807010
Cone/Cup ; Inner .....	72218C-72487
Cyl. Bearing .....	MUS1307UM
<b>1984 (Eaton DS341 Axle)</b>	
Repair Sleeve .....	99262
Seal .....	9773
Cone/Cup ; Outer .....	HM807049-HM807010
Cone/Cup ; Inner .....	72218C-72487
Cyl. Bearing .....	MUS1307UM
<b>1983-1980 (Eaton 34DS, 34DT Axles)</b>	
Cone/Cup ; Outer .....	72200C-72487
Cone/Cup ; Inner .....	72200C-72487
Cyl. Bearing .....	MUS1307UM

### Through Shaft - Input Shaft

<b>1997-1984 (Eaton DS341, DT341, DT381,DS402, DT402 Axles)</b>	
Cone/Cup .....	3979-JM511910
Seal .....	475012N
<b>1983-1980 (Eaton 34DS, 34DT Axles) (BallBrg.)</b>	
Ball Bearing .....	311
Seal .....	475003N
<b>1983-1980 (Eaton 34DS, 34DTAxles) (Tapered Roller Brg.)</b>	
Cone/Cup .....	JM207049-JM207010
Seal .....	475003N

## TANDEM REAR AXLE - REARMOST AXL

### Differential

<b>1997-1990 (Rockwell SL100P, SQ100PAxles)</b>	
Cone/Cup ; LH .....	JM716649-JM716610
Cone/Cup ; RH .....	JM716649-JM716610
<b>1997-1988 (Eaton DT341, DS402, DT402Axles)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	
<b>1997-1984 (Eaton DS341 Axle)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	
<b>1982-1980 (Eaton 34RT Axle)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	

### Pinion

<b>1997-1990 (Rockwell SL100P, SQ100PAxles)</b>	
Seal .....	3905
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	72212C-72487
Cyl. Bearing .....	RU1570UM

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

## TANDEM REAR AXLE - REARMOST AXLE(cont)

### Pinion(cont)

<b>1997-1988</b>	<b>(Eaton DT341, DS402, DT402Axles)</b>	
Cone/Cup ; Outer	HM807049-HM807010	
Cone/Cup ; Inner	72218C-72487	
Cyl. Bearing ; Pilot	MUS1307UM	
<b>1997-1985</b>	<b>(Eaton DS341 Axle)</b>	
Repair Sleeve	99262	
Seal	9773	
Cone/Cup ; Outer	55200C-55437	
Cone/Cup ; Inner	55200C-55437	
Cyl. Bearing	MUS1307UM	
<b>1984</b>	<b>(Eaton DS341 Axle)</b>	
Repair Sleeve	99262	
Seal	9773	
Cone/Cup ; Outer	HM807049-HM807010	
Cone/Cup ; Inner	72218C-72487	
Cyl. Bearing	MUS1307UM	
<b>1982-1980</b>	<b>(Eaton 34RT Axle)</b>	
Repair Sleeve	99262	
Seal	9773	
Cone/Cup ; Outer	55200C-55437	
Cone/Cup ; Inner	55200C-55437	
Cyl. Bearing	MUS1307UM	

## DRIVESHAFT SUPPORT

<b>1997-1980</b>	<b>(Spicer 1550, 1610,1650) (1.7717" 45mm Brg.I.D.) (end yoke style)</b>	
Ball Bearing	88509	
<b>1997-1980</b>	<b>(Spicer 1550, 1610,1650) (1.7717" 45mm Brg.I.D.) (slip yoke style)</b>	
Ball Bearing	88509	
<b>1991-1980</b>	<b>(Spicer 1310, 1350) (1.5748"40mm Brg. I.D.)</b>	
Ball Bearing	88508	
<b>1990-1980</b>	<b>(Rockwell 58WB ) (1.7717" 45mmBrg. I.D.)</b>	
Ball Bearing	88509	
<b>1990-1980</b>	<b>(Spicer 1410) (1.3780" 35mm Brg.I.D.)</b>	
Ball Bearing	88107	
<b>1988-1980</b>	<b>(Spicer 1280, 1330) (1.3780"35mm Brg. I.D.)</b>	
Ball Bearing	88107	
<b>1988-1980</b>	<b>(Spicer 1310, 1330) (1.3780"35mm Brg. I.D.)</b>	
Ball Bearing	88107	
<b>1984-1980</b>	<b>(Spicer 1410) (1.5748" 40mm Brg.I.D. 2.25 height)</b>	
Ball Bearing	88508	
<b>1984-1980</b>	<b>(Spicer 1410, 1550) (1.5748"40mm Brg. I.D.,2.5" height)</b>	
Ball Bearing	88508	

## CLUTCH

### Pilot Bearing

<b>1997-1990</b>	<b>403ci/6.6L w/ 3208 Caterpillar Diesel</b>	
Ball Bearing	305DD	

## CLUTCH(cont)

### Pilot Bearing(cont)

<b>1991-1980</b>	<b>8 Cyl 350ci/5.7L, 366ci/6.0L, 427ci/7.0L</b>	
Ball Bearing	205FF	
<b>1991-1980</b>	<b>8 Cyl 453ci/8.2L Detroit Diesel</b>	
Ball Bearing	205FF	
<b>1985-1983</b>	<b>6.1L Diesel</b>	
Ball Bearing	205FF	

### Release Bearing

<b>1997-1990</b>	<b>8 Cyl 366ci/6.0L, w/ 13" Clutch</b>	
Bearing Assembly	614057	
<b>1997-1990</b>	<b>8 Cyl 427ci/7.0L, w/ Spicer 13" Clutch</b>	
Bearing Assembly	614057	
<b>1997-1980</b>	<b>8 Cyl 366ci/6.0L, w/ 14" Clutch</b>	
Bearing Assembly	614098	
<b>1997-1980</b>	<b>8 Cyl 427ci/7.0L, w/ 14" Clutch</b>	
Bearing Assembly	614098	
<b>1996-1990</b>	<b>6 Cyl 403ci/6.6L Turbo Diesel w/ 14" Clut</b>	
Bearing Assembly	614098	
<b>1996-1990</b>	<b>6 Cyl 403ci/6.6L Turbo Diesel, w/ Spicer 13" Clutch</b>	
Bearing Assembly	614057	
<b>1991-1990</b>	<b>8 Cyl 500ci/8.2L, Detroit Diesel, w/ Flat Flywheel</b>	
Bearing Assembly	614065	
<b>1991-1989</b>	<b>8 Cyl 500ci/8.2L, Diesel, Turbo Diesel, w/ 14" Clutch and 1.50" spline</b>	
Bearing Assembly	614024	
<b>1991-1983</b>	<b>8 Cyl 500ci/8.2L, Detroit Diesel, w/ Lipe Flywheel</b>	
Bearing Only	GE2505C	
<b>1991-1980</b>	<b>8 Cyl 350ci/5.7L, w/ 13" Clutch</b>	
Bearing Assembly	CA02135C	
<b>1991-1980</b>	<b>8 Cyl 366ci/6.0L, w/ 13" Clutch</b>	
Bearing Assembly	CA02135C	
<b>1991-1980</b>	<b>8 Cyl 500ci/8.2L Diesel &amp; Turbo Diesel, w/ 14" Clutch</b>	
Bearing Assembly	614098	
<b>1991-1980</b>	<b>8 Cyl 500ci/8.2L, Diesel, Turbo Diesel, w/ 14" Clutch and 1.75" spline</b>	
Bearing Assembly	614065	
<b>1991-1980</b>	<b>VT225 w/ 14"Clutch</b>	
Bearing Assembly	614024	
<b>1990-1987</b>	<b>8 Cyl 427ci/7.0L, w/ 14" Clutch (FS6106A)</b>	
Bearing Assembly	614097	
<b>1990-1987</b>	<b>8 Cyl 500ci/8.2L, Diesel, Turbo Diesel, w/ 14" Clutch</b>	
Bearing Assembly	614097	
<b>1990-1985</b>	<b>8 Cyl 427ci/7.0L, w/ Spicer 14" Clutch</b>	
Bearing Assembly	614096	
<b>1990-1985</b>	<b>8 Cyl 500ci/8.2L, Diesel &amp; Turbo Diesel, w/ 14" Spicer 5xxx Clutch</b>	
Bearing Assembly	614096	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHEVROLET/GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 40, 50, 60, 70, 4100, 4400, 4500 (cont.)</b>					

## CLUTCH(cont)

### Release Bearing(cont)

1990-1985	8 Cyl 636ci/10.4L, Diesel & Turbo Diesel, w/ 14" Clutch and 1.75" spline	
	Bearing Assembly .....	614065
1990-1980	8 Cyl 350ci/5.7L, w/ 12" Clutch	
	Bearing Assembly .....	614018
1990-1980	8 Cyl 427ci/7.0L w/ 14" Single Plate Clutch	
	Bearing Assembly .....	614024
1990-1980	8 Cyl 427ci/7.0L, w/ 13" Clutch	
	Bearing Assembly .....	CA02135C
1990-1980	8 Cyl 500ci/8.2L, Diesel, Turbo Diesel, w/ 14" Push Type Clutch	
	Bearing Only .....	GE2505C
1990-1980	8 Cyl 500ci/8.2L, Diesel, Turbo Diesel, w/ 14" Spicer 4054 Clutch	
	Bearing Assembly .....	CA02135C
1990-1980	8 Cyl 636ci/10.4L Diesel & Turbo Diesel, 14" Single Plate Clutch	
	Bearing Assembly .....	614024
1986-1981	6 Cyl 292ci/4.8L, 12" Clutch	
	Bearing Assembly .....	614018
1980	8 Cyl 454ci/7.4L, w/ 14" Clutch	
	Bearing Assembly .....	614024

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

1986-1980	292/4.8L	
	Repair Sleeve .....	99176
	Seal .....	9845

### 8 Cylinder

1996-1980	366/6.0L, 427/7.0L	
	Repair Sleeve .....	99233
	Seal .....	3945

## CRANKSHAFT REAR SEAL

### 8 Cylinder

1996-1980	366/6.0L, 427/7.0L	
	Seal Viton .....	2261

## CHRYSLER- FRONT DRIVE - PT Cruiser

### FRONT WHEEL

2007-2002	All	
	Ball Bearing .....	513058

## CHRYSLER- FRONT DRIVE - Cirrus, Sebring

### FRONT WHEEL

2006-1995	Sebring (Convertible) (Sedan)	
	Hub Assembly .....	513138
2005-1995	Sebring (Coupe)	
	Hub Assembly .....	513157

## CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker

### FRONT WHEEL

2004-2001	Concorde	
	Hub Assembly .....	513089

### FRONT WHEEL(cont)

2004-1999	300M	
	Hub Assembly; Speed Sens .....	513089
	on CV .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **CHRYSLER- FRONT DRIVE - Intrepid**

### **FRONT WHEEL**

<b>2004-1993</b>	<b>All</b>	
	Hub Assembly; Speed Sens .....	513089
	on CV .....	

## **CHRYSLER- FRONT DRIVE - PT Cruiser**

### **FRONT WHEEL**

<b>2001</b>	<b>All</b>	
	Ball Bearing .....	510057

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

### **FRONT WHEEL**

<b>2001-1999</b>	<b>LHS</b>	
	Hub Assembly; Speed Sens .....	513089
	on CV .....	
<b>2000-1998</b>	<b>Concorde</b>	
	Hub Assembly .....	513089

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

### **FRONT WHEEL**

<b>2000-1995</b>	<b>Cirrus</b>	
	Hub Assembly .....	513138

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

### **FRONT WHEEL**

<b>1997-1994</b>	<b>LHS</b>	
	Hub Assembly; Speed Sens .....	513089
	on CV .....	
<b>1997-1993</b>	<b>Concorde</b>	
	Hub Assembly .....	513089
<b>1996-1994</b>	<b>New Yorker</b>	
	Hub Assembly .....	513089
<b>1995-1994</b>	<b>LeBaron</b>	
	Hub Assembly .....	513075
<b>1993-1991</b>	<b>Imperial, LeBaron, New Yorker</b>	
	Hub Assembly .....	513075
<b>1990-1989</b>	<b>Imperial, New Yorker</b>	
	Seal .....	5604
	Hub Assembly .....	513075

### **FRONT WHEEL(cont)**

<b>1990-1989</b>	<b>LeBaron (Exc. Turbo)</b>	
	Seal .....	5604
	Ball Bearing ; Opt .....	513006
	Hub Kit; 4 Stud .....	518501 <sup>22</sup>
	Hub Kit; 5 Stud .....	518502 <sup>22</sup>
<b>1990-1989</b>	<b>LeBaron (Turbo)</b>	
	Seal .....	5604
	Hub Assembly .....	513075
<b>1988-1984</b>	<b>All</b>	
	Seal .....	5604
	Ball Bearing ; Opt .....	513006
	Hub Kit; 4 Stud .....	518501 <sup>22</sup>
	Hub Kit; 5 Stud .....	518502 <sup>22</sup>

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker (cont.)</b>					

## FRONT WHEEL(cont)

1983-1982	LeBaron, New Yorker	
	Ball Bearing .....	B39
	Seal .....	5604
	Hub Kit .....	518500 <sup>22</sup>

## CHRYSLER- FRONT DRIVE - PT Cruiser

### REAR WHEEL

2007-2003	All	
	Hub Assembly .....	512167

## CHRYSLER- FRONT DRIVE - Cirrus, Sebring

### REAR WHEEL

2006-2005	Sebring (Sedan) (Non-ABS)	
	Hub Assembly .....	512154
2006-2001	Sebring (Sedan) (ABS)	
	Hub Assembly .....	512220
2006-1998	Sebring (Convertible) (ABS)	
	Hub Assembly .....	512220
2005-2001	Sebring (Coupe) (ABS)	
	Hub Assembly .....	512136
	Bearing Assm; Opt .....	512136
2005-2001	Sebring (Coupe) (Non-ABS)	
	Bearing Assm .....	512136
2004-2003	Sebring (Sedan) (Non-ABS)	
	Hub Assembly .....	513138

## CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker

### REAR WHEEL

2004-1999	300M	
	Hub Assembly .....	512029

## CHRYSLER- FRONT DRIVE - Intrepid

### REAR WHEEL

2004-1998	(ABS)	
	Hub Assembly .....	512029

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker</b>					

<b>REAR WHEEL</b>		
2004-1993	Concorde	
	Hub Assembly .....	512029

<b>CHRYSLER- FRONT DRIVE - PT Cruiser</b>					
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<b>REAR WHEEL</b>		
2002-2001	(Disc)	
	Hub Assembly .....	512168
2002-2001	(Drum)	
	Hub Assembly .....	512167

<b>CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker</b>					
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<b>REAR WHEEL</b>		
2001-1999	LHS	
	Hub Assembly .....	512029

<b>CHRYSLER- FRONT DRIVE - Cirrus, Sebring</b>					
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<b>REAR WHEEL</b>		
2000-1999	Cirrus (Non-ABS)	
	Hub Assembly .....	512154
2000-1998	Cirrus (ABS)	
	Hub Assembly .....	512220
2000-1997	Sebring (Coupe) (Non-ABS)	
	Bearing Assm .....	512136
2000-1996	Sebring (Convertible) (Non-ABS)	
	Hub Assembly .....	512154
2000-1996	Sebring (Coupe) (ABS)	
	Hub Assembly .....	512136
	Bearing Assm; Opt .....	512136
1998-1995	Cirrus (Non-ABS)	
	Hub Assembly .....	512154

<b>REAR WHEEL(cont)</b>		
1997-1996	Sebring (Convertible) (ABS)	
	Hub Assembly .....	512133
1997-1995	Cirrus (ABS)	
	Hub Assembly .....	512133

<b>CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker</b>					
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<b>REAR WHEEL</b>		
1997-1994	LHS, New Yorker	
	Hub Assembly .....	512029

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **CHRYSLER- FRONT DRIVE - Intrepid**

### **REAR WHEEL**

1997-1993	(ABS, Non-ABS)	
Hub Assembly .....		512029

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

### **REAR WHEEL**

1995	Sebring (Coupe) (ABS)	
Hub Assembly .....		512133
1995	Sebring (Coupe) (Non-ABS)	
Hub Assembly .....		512154

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

### **REAR WHEEL**

1995-1994	LeBaron	
Seal ; Inner .....		4099
Cup/Cone; Inner .....		A39
Cup/Cone; Outer .....		A16

### **REAR WHEEL(cont)**

1993-1983	All	
Seal ; Inner .....		4099
Cup/Cone; Inner .....		A39
Cup/Cone; Outer .....		A16

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker (cont.)**

### **REAR WHEEL(cont)**

1982	All	
Seal ; Inner .....		3677
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A2

## **CHRYSLER- FRONT DRIVE - PT Cruiser**

### **CLUTCH**

#### **Release Bearing**

2004-2001	All	
Bearing Assembly .....		614121

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

### **CLUTCH**

#### **Release Bearing**

1998-1995	4 Cyl	
Bearing Assembly .....		614121
1998-1995	6 Cyl	
Bearing Assembly .....		614092

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker</b>					

<b>CLUTCH</b>		
<b>Release Bearing</b>		
1995-1991	6 Cyl	
Bearing Assembly .....		614092
1993-1990	4 Cyl	
Bearing Assembly .....		614092
<b>AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1995-1982	All	
Cup/Cone .....		A18
<b>Output Shaft</b>		
1995-1981	All	
Repair Sleeve .....		99157
Seal .....		3459
<b>Selector Shaft Seal/Man. Shaft</b>		
1988-1981	All	
Seal .....		8609

<b>AUTOMATIC TRANSAXLE(cont)</b>		
<b>Input Shaft</b>		
1995-1982	All	
Repair Sleeve .....		99149
Seal .....		331228H
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2004-1993	(A606, 42LE)	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A36

## CHRYSLER- FRONT DRIVE - Intrepid

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2004-1993	(A606, 42LE)	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A36

## CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1996	(A604, 41TE)	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99157
Seal ; RH .....		3459
Seal ; LH .....		3459
Cone/Cup ; RH .....		

<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Differential(cont)</b>		
1995-1988	(A604 41TE)	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

## CHRYSLER- FRONT DRIVE - Cirrus, Sebring

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Torque Convertor / Frt Pump</b>		
2002-1995	All	
Repair Sleeve .....		99149

<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Torque Convertor / Frt Pump(cont)</b>		
Seal .....		331228H

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHRYSLER- FRONT DRIVE - Intrepid

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2002-1993	All	
Repair Sleeve	.....	99149
Seal	.....	331228H

## CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2000-1993	(42LE)	
Repair Sleeve	.....	99149
Seal	.....	331228H

## CHRYSLER- FRONT DRIVE - Cirrus, Sebring

### 4-SPEED AUTOMATIC TRANSAXLE

#### Selector Shaft Seal/Man. Shaft

2002-1995	All	
Seal	.....	8609

## CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker

### 4-SPEED AUTOMATIC TRANSAXLE

#### Selector Shaft Seal/Man. Shaft

2000-1993	All	
Seal	.....	8609

## CHRYSLER- FRONT DRIVE - Cirrus, Sebring

### 4-SPEED AUTOMATIC TRANSAXLE

#### Transfer Shaft

2001-1996	(A604, 41TE)	
Cup/Cone; Outer	.....	A35
1995	(A604, 41TE)	
Cone/Cup ; Inner	.....	13687-13623X
Cup/Cone; Outer	.....	A35

### 5-SPEED MANUAL TRANSAXLE

#### Differential

2002-1995	All	
Repair Sleeve	.....	99157
Seal	.....	3459
Cup/Cone	.....	A18

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

2000-1995	All	
Seal	.....	3816

#### Input Shaft

2000-1995	All	
Seal ; Frt	.....	3732S
Repair Sleeve; Frt	.....	A4
Cup/Cone; Frt	.....	A5
Cup/Cone; Rr	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **CHRYSLER- FRONT DRIVE - PT Cruiser**

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2006-2001	148/2.4L	
Seal Viton .....		320249

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2006-1995	122/2.0L (DOHC), 148/2.4L(DOHC)	
Seal Viton .....		320249

<b>CAMSHAFT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
2004-2001	2350cc/2.4L (SOHC)	
Repair Sleeve .....		99139
Seal .....		3771

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
1993-1986	153/2.5L	
Repair Sleeve .....		99139
Seal .....		3655

<b>CAMSHAFT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1990-1989	122/2.0L, 135/2.2L	
Repair Sleeve .....		99139
Seal .....		3655

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2005-2001	181/3.0L	
Repair Sleeve .....		99139
Seal .....		3771

## **CHRYSLER- FRONT DRIVE - Intrepid**

<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2004-2000	215/3.5L	
Repair Sleeve .....		714655
Seal .....		

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2004-1998	3200cc/3.2L (SOHC),3518cc/3.5L (SOHC)	
Repair Sleeve .....		714655

<b>CAMSHAFT SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
Seal .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **CHRYSLER- FRONT DRIVE - Intrepid**

### **CAMSHAFT SEAL**

#### **6 Cylinder**

2001-1998 3200cc/3.2L

Repair Sleeve ..... 714655

Seal .....

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

### **CAMSHAFT SEAL**

#### **6 Cylinder**

2000-1995 2497cc/2.5L

Seal ; Frt ..... 3771

Repair Sleeve; Frt ..... 99139

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

### **CAMSHAFT SEAL**

#### **6 Cylinder**

1997-1993 215/3.5L

Repair Sleeve ..... 714655

Seal .....

## **CHRYSLER- FRONT DRIVE - Intrepid**

### **CAMSHAFT SEAL**

#### **6 Cylinder**

1997-1993 215/3.5L

Repair Sleeve ..... 714655

Seal .....

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

### **CAMSHAFT SEAL**

#### **6 Cylinder**

1995-1994 181/3.0L

Repair Sleeve ..... 99139

Seal ..... 3771

## **CHRYSLER- FRONT DRIVE - PT Cruiser**

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

2006-2001 148/2.4L

Seal Viton ..... 320348

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2006-1995	122/2.0L, 148/2.4L (DOHC)	
Seal Viton .....		320348
2005-2001	2350cc/2.4L (SOHC)	
Seal .....		224460

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1993-1989	135/2.2L, 153/2.5L	
Repair Sleeve .....		99112
Seal .....		3638

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1988-1982	135/2.2L, 153/2.5L	
Repair Sleeve .....		99139
Seal .....		3655

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2005-2001	181/3.0L	
Seal .....		223750

## **CHRYSLER- FRONT DRIVE - Intrepid**

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2004-2000	215/3.5L	
Repair Sleeve .....		99112
Seal .....		3638

## **CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker**

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2004-1990	201/3.3L, 215/3.5L, 230/3.8L	
Repair Sleeve .....		99112
Seal .....		3638
2001-1998	197/3.2L	
Repair Sleeve .....		99112
Seal .....		3638

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **CHRYSLER- FRONT DRIVE - Intrepid**

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

2001-1998 3200cc/3.2L

Repair Sleeve ..... 99112

Seal ..... 3638

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

2000-1995 2497cc/2.5L

Seal ..... 223750

## **CHRYSLER- FRONT DRIVE - Intrepid**

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

1997-1993 201/3.3L, 215/3.5L

Repair Sleeve ..... 99112

Seal ..... 3638

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

2006-2001 2429cc/2.4L (DOHC)

Seal Viton ..... 710056

Seal PTFE H/D .....

## **CHRYSLER- FRONT DRIVE - PT Cruiser**

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

2006-2001 148/2.4L

Seal Viton ..... 710056

Seal PTFE H/D .....

## **CHRYSLER- FRONT DRIVE - Cirrus, Sebring**

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

2005-2001 2350/2.4L (SOHC)

Seal Viton ..... 710235

### **CRANKSHAFT REAR SEAL(cont)**

#### **4 Cylinder(cont)**

2000-1995 122/2.0L, 148/2.4L

Seal Viton ..... 710056

Seal PTFE H/D .....

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker</b>					

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1993-1983	135/2.2L, 153/2.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		

<b>CHRYSLER- FRONT DRIVE - Cirrus, Sebring</b>					
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<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2006-2001	167/2.7L (DOHC)	
Seal Viton .....		710056
Seal PTFE H/D .....		

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
2005-2001	181/3.0L	
Seal Viton .....		710056
Seal PTFE H/D .....		

<b>CHRYSLER- FRONT DRIVE - Intrepid</b>					
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<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2004-1998	167/2.7L (DOHC)	
Seal Viton .....		710056

<b>CHRYSLER- FRONT DRIVE - 300M, Concorde, 'E' Class, Imperial, Laser, LeBaron, LHS, New Yorker</b>					
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<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2004-1988	All	
Seal Viton .....		710056
Seal PTFE H/D .....		

<b>CHRYSLER- FRONT DRIVE - Intrepid</b>					
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<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2003-2000	215/3.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		
2001-1998	3200cc/3.2L	
Seal Viton .....		710056

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHRYSLER- FRONT DRIVE - Cirrus, Sebring

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

YEAR	APPLICATION	Part. No.
2000-1995	2497cc/2.5L	
	Seal Viton .....	710056
	Seal PTFE H/D .....	

## CHRYSLER- FRONT DRIVE - Intrepid

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

YEAR	APPLICATION	Part. No.
1997-1993	201/3.3L, 215/3.5L	
	Seal Viton .....	710056
	Seal PTFE H/D .....	

## CHRYSLER- REAR DRIVE - 300

### FRONT WHEEL

#### 2WD

YEAR	APPLICATION	Part. No.
2008-2005	300	
	Hub Assembly .....	513224

#### 4WD/AWD

YEAR	APPLICATION	Part. No.
2008-2005	300	
	Hub Assembly .....	513225

### REAR WHEEL

YEAR	APPLICATION	Part. No.
2008-2005	300	
	Hub Assembly .....	512301

### 4WD FRONT AXLE

#### Pinion

YEAR	APPLICATION	Part. No.
2006-2005	All	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	M88043-M88010

### CAMSHAFT SEAL

#### 6 Cylinder

YEAR	APPLICATION	Part. No.
2006-2005	167/2.7L (DOHC), 3497cc/3.5L(SOHC)	
	Repair Sleeve .....	714655
	Seal .....	

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

YEAR	APPLICATION	Part. No.
2006-2005	215/3.5L	
	Repair Sleeve .....	99112

## CHRYSLER- REAR DRIVE - 300 (cont.)

### CRANKSHAFT FRONT SEAL(cont)

#### 6 Cylinder(cont)

Seal .....	3638
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## CHRYSLER- REAR DRIVE - C Series, Cordoba, Estate Wagon, Fifth Avenue, LeBaron, Newport, New Yorker, Royal, Saratoga, Town & Country, Windsor

### FRONT WHEEL

YEAR	APPLICATION	Part. No.
1989-1980	All	
	Seal ; Inner .....	5121

### FRONT WHEEL(cont)

Cup/Cone; Inner .....	A17
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# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHRYSLER- REAR DRIVE - C Series, Cordoba, Estate Wagon, Fifth Avenue, LeBaron, Newport, New Yorker, Royal, Saratoga, Town &amp; Country, Windsor (cont.)</b>					

## FRONT WHEEL(cont)

Cup/Cone; Outer ..... A2

## REAR WHEEL

<b>1989-1982</b>	<b>All</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1981-1980</b>	<b>(7.25" R.G.) (9 Bolt Hsg. Cover)</b>	
Ball Bearing .....		RWC35YYR
Seal .....		8660S
<b>1981-1980</b>	<b>(8.25", 9.25" R.G.)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

## REAR AXLE

### Differential

<b>1989-1980</b>	<b>(7.25" R.G.)</b>	
Cup/Cone .....		A35
<b>1989-1980</b>	<b>(8.25" R.G.) (From Early 1975)</b>	
Cup/Cone .....		A36
<b>1981-1980</b>	<b>(9.25" R.G.)</b>	
Cone/Cup .....		JLM704649-JLM704610

### Pinion

<b>1989-1980</b>	<b>(7.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88649-HM88610
<b>1988-1980</b>	<b>(8.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M802048-M802011
<b>1981-1980</b>	<b>(8.75" R.G.)</b>	
Seal .....		5126
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M804049-M804010
<b>1981-1980</b>	<b>(9.25" R.G.)</b>	
Seal .....		5126
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M804049-M804010

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1989-1980</b>	<b>(A727) (1 pc driveshaft)</b>	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
<b>1989-1980</b>	<b>(A904, A999)</b>	
Ball Bearing .....		2506
Seal .....		

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Selector Shaft Seal/Man. Shaft

<b>1989-1980</b>	<b>(A904, A999)</b>	
Seal .....		8609

### Torque Converter

<b>1989-1980</b>	<b>(A727)</b>	
Seal .....		331227H
<b>1989-1980</b>	<b>(A904, A999)</b>	
Repair Sleeve .....		99149
Seal .....		331228H

## ALTERNATOR

<b>1983-1980</b>	<b>34,41,50,60,65,78 Amp.</b>	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S
<b>1983-1980</b>	<b>86,100,114 Amp.</b>	
Ball Bearing ; Drive End .....		303SS

## POWER STEERING

### Worm Shaft

<b>1983-1980</b>	<b>Chrysler design</b>	
Seal .....		7188S

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>1983-1980</b>	<b>225/3.7L</b>	
Seal .....		3095

### 8 Cylinder

<b>1989-1980</b>	<b>All</b>	
Seal .....		3103

## CRANKSHAFT REAR SEAL

### 6 Cylinder

<b>1983-1980</b>	<b>225/3.7L</b>	
Seal .....		5650

### 8 Cylinder

<b>1989-1980</b>	<b>318/5.2L</b>	
Seal .....		5414

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHRYSLER- REAR DRIVE - Crossfire

### FRONT WHEEL

2006-2004	All	
	Cup/Cone; Inner .....	A17
	Cup/Cone; Outer .....	A12

### REAR WHEEL

2006-2004	All	
	Ball Bearing .....	513130

## CHRYSLER- REAR DRIVE - Imperial

### FRONT WHEEL

1983-1981	All	
	Seal ; Inner .....	5121
	Cup/Cone; Inner .....	A17
	Cup/Cone; Outer .....	A2

### REAR WHEEL

1983-1981	All	
	Seal .....	8835S
	Cyl. Bearing .....	6408
	Optional Repair Bearing .....	RP6408 <sup>91</sup>

### REAR AXLE

#### Differential

1983-1981	(7.25" R.G.)	
	Cup/Cone .....	A35
1983-1981	(8.25" R.G.) (From Early 1975)	
	Cup/Cone .....	A36
1981	(9.25" R.G.)	
	Cone/Cup .....	JLM704649-JLM704610

#### Pinion

1983-1981	All	
	Repair Sleeve .....	99168
	Seal .....	8516N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M802048-M802011

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1983-1981	(A727) (1 pc driveshaft)	
	Ball Bearing .....	207XLO
	Seal .....	7300S
	Seal Kit .....	5206
1983-1981	(A904, A999)	
	Ball Bearing .....	2506
	Seal .....	

#### Selector Shaft Seal/Man. Shaft

1983-1981	(A904, A999)	
	Seal .....	8609

#### Torque Converter

1983-1981	(A727)	
	Seal .....	331227H

### 3-SPEED AUTOMATIC TRANSMISSION(cont)

#### Torque Converter(cont)

1983-1981	(A904, A999)	
	Repair Sleeve .....	99149
	Seal .....	331228H

### ALTERNATOR

1983-1981	34,41,50,60,65,78 Amp.	
	Ball Bearing ; Drive End .....	203FF
	Needle Bearing; Rear End .....	MNJ471S
1983-1981	86,100,114 Amp.	
	Ball Bearing ; Drive End .....	303SS

### POWER STEERING

#### Worm Shaft

1983-1981	Chrysler design	
	Seal .....	7188S

### CRANKSHAFT FRONT SEAL

#### 8 Cylinder

1983-1981	All	
	Seal .....	3103

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

1983-1981	318/5.2L	
	Seal .....	5414

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHRYSLER- REAR DRIVE - Prowler (See Also Plymouth)

<b>FRONT WHEEL</b>			<b>CAMSHAFT SEAL</b>		
2002	All		<b>6 Cylinder</b>		
	Hub Assembly .....	513123	2002	215/3.5L	
<b>REAR WHEEL</b>				Repair Sleeve .....	714655
2002	All			Seal .....	
	Hub Assembly .....	513089	<b>CRANKSHAFT FRONT SEAL</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>6 Cylinder</b>		
<b>Differential</b>			2002	215/3.5L	
	Repair Sleeve .....	99157		Repair Sleeve .....	99112
	Seal .....	3459		Seal .....	3638
	Cup/Cone .....	A36	<b>CRANKSHAFT REAR SEAL</b>		
<b>Torque Convertor / Frt Pump</b>			<b>6 Cylinder</b>		
2002-2001	(42LE)		2002-2001	215/3.5L	
	Repair Sleeve .....	99168		Seal Viton .....	710056
	Seal .....	8516N		Seal PTFE H/D .....	
<b>Selector Shaft Seal/Man. Shaft</b>					
2002	(A606, 42LE)				
	Seal .....	8609			

## CHRYSLER- CUV - Pacifica

<b>REAR WHEEL</b>			<b>CAMSHAFT SEAL</b>		
2006-2004	All		<b>6 Cylinder</b>		
	Hub Assembly .....	512288	2006-2004	215/3.5L	
<b>TRANSFER CASE</b>				Repair Sleeve .....	714655
<b>Input Shaft</b>				Seal .....	
2005-2004	All		<b>CRANKSHAFT FRONT SEAL</b>		
	Seal .....	710501	<b>6 Cylinder</b>		
<b>Front Output Shaft</b>			2005-2004	215/3.5L, 230/3.8	
2005-2004	All			Repair Sleeve .....	99112
	Ball Bearing .....	106		Seal .....	3638
	Repair Sleeve .....	99157	<b>CRANKSHAFT REAR SEAL</b>		
	Seal .....	3459	<b>6 Cylinder</b>		
			2005-2004	215/3.5L	
				Seal Viton .....	710056

## CHRYSLER- CUV - Pacifica (cont.)

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
	Seal PTFE H/D .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## CHRYSLER IMPORT- Conquest

### FRONT WHEEL

<b>1989-1987</b>	<b>All</b>	
Seal ; Inner .....		494122
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2

### REAR WHEEL

<b>1989-1987</b>	<b>All</b>	
Seal ; Inner .....		224100
Ball Bearing ; Inner .....		206F
Ball Bearing ; Outer .....		207F

## CHRYSLER TRUCK- MINIVAN - Town & Country Van, Voyager from 2000

### FRONT WHEEL

<b>2007-2001</b>	<b>All</b>	
Hub Assembly .....		513123
<b>2000-1996</b>	<b>(14" Whl.)</b>	
Hub Assembly .....		513122
<b>2000-1996</b>	<b>(15", 16", 17" Whl.)</b>	
Hub Assembly .....		513123
<b>1995-1991</b>	<b>(14" Whl.)</b>	
Hub Assembly .....		513075
<b>1995-1990</b>	<b>(15" Whl.)</b>	
Hub Assembly .....		513074 <sup>24</sup>
<b>1990</b>	<b>(14" Whl.)</b>	
Ball Bearing .....		513006
Seal .....		5604
Hub Kit; 4 Stud .....		518501 <sup>22</sup>
Hub Kit; 5 Stud .....		518502 <sup>22</sup>
<b>1988</b>	<b>(14" Whl.)</b>	
Ball Bearing .....		513006
Seal .....		5604
Hub Kit; 4 Stud .....		518501 <sup>22</sup>
Hub Kit; 5 Stud .....		518502 <sup>22</sup>
<b>1988</b>	<b>(15" Whl.)</b>	
Hub Assembly .....		513231 <sup>24</sup>

### REAR WHEEL

<b>2007-2001</b>	<b>(ABS)</b>	
Hub Assembly .....		512169
<b>2007-2001</b>	<b>(Non-ABS)</b>	
Hub Assembly .....		512170
<b>2000-1996</b>	<b>(Drum)</b>	
Hub Assembly; 14" Whl. ....		512155
Hub Assembly; 15", 16", & 17" Whl. ....		512156
<b>1995-1990</b>	<b>All</b>	
Seal ; Inner .....		4249
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A16

### 4WD/AWD

<b>2004-1996</b>	<b>(15", 16", 17" Whl.)</b>	
Hub Assembly .....		512157
<b>1995-1991</b>	<b>All</b>	
Hub Assembly .....		512125

### AWD REAR AXLE

#### Pinion

<b>2000-1994</b>	<b>All</b>	
Cup/Cone; Inner .....		A35
Cup/Cone; Outer .....		A17

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>1991-1990</b>	<b>(A413)</b>	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

#### Selector Shaft Seal/Man. Shaft

<b>2002-1990</b>	<b>All</b>	
Seal .....		8609

#### Torque Converter

<b>1998-1990</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		331228H

#### Transfer Shaft

<b>1991-1990</b>	<b>(A413)</b>	
Cup/Cone .....		A18

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>1999-1993</b>	<b>(A606, 42LE)</b>	
Cup/Cone .....		A36
<b>1991-1990</b>	<b>(A604, A670)</b>	
Cup/Cone .....		A18

#### Torque Converter / Frt Pump

<b>2002-1990</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		331228H

#### Output Shaft

<b>2004-2001</b>	<b>(A604 41TE)</b>	
Repair Sleeve .....		99157
Seal .....		3459
<b>2004-2001</b>	<b>(A604 41TE) (AWD)</b>	
Repair Sleeve .....		99157
Seal .....		3459

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts <sup>24</sup> Drilled Mtg Holes

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>CHRYSLER TRUCK- MINIVAN - Town &amp; Country Van, Voyager from 2000</b>					
<b>(cont.)</b>					

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft(cont)

2000-1997 (A604 41TE) (incl. AWD) (Prod.from mid 1997 on)

Repair Sleeve ..... 99157  
Seal ..... 3459

2000-1997 (A606 42LE) (Prod. from mid 1997on)

Repair Sleeve ..... 99157  
Seal ..... 3459

1997-1993 (A606 42LE) (Prod. thru mid 1997)

Repair Sleeve ..... 99157  
Seal ..... 3459  
Cone/Cup ; RH .....

1997-1992 (A604 41TE) (incl. AWD) (Prod.thru mid 1997)

Repair Sleeve ..... 99157  
Seal ..... 3459  
Cone/Cup ; RH .....

1991-1990 (A604, A670)

Repair Sleeve ..... 99157  
Seal ..... 3459  
Cup/Cone ..... A17

### Selector Shaft Seal/Man. Shaft

2000-1990 All

Seal ..... 8609

### Transfer Shaft

2001-1996 (A604 41TE) (incl. AWD)

Cone/Cup ; LH ..... A35  
Cup/Cone; RH .....

1995-1992 (A604 41TE) (incl. AWD)

Cone/Cup ; LH ..... 13687-13623X  
Cup/Cone; RH ..... A35

1991-1990 (A604, A670)

Cup/Cone ..... A18

## INTERMEDIATE SHAFT

### 6 Cylinder

2002-1990 201/3.3L, 230/3.8L

Repair Sleeve ..... 99139  
Seal ..... 3655

## TRANSFER CASE

### Input Shaft

2004-1994 All

Seal ..... 710501

### Front Output Shaft

2004-1994 All

Ball Bearing ..... 106  
Repair Sleeve ..... 99157  
Seal ..... 3459

## POWER STEERING

### Pump Shaft

1995-1990 All

Seal ..... 7013S

## POWER STEERING(cont)

### Pump Shaft(cont)

1988 All

Seal ..... 7013S

### Worm Shaft

1992-1990 All

Seal ..... 7188S

1988 All

Seal ..... 7188S

## CAMSHAFT SEAL

### 4 Cylinder

2003-2000 148/2.4L (DOHC)

Seal Viton ..... 320249

### 6 Cylinder

2000 2972cc/3.0L (DOHC)

Repair Sleeve ..... 99139  
Seal ..... 3771

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2003-2000 148/2.4L (DOHC)

Seal Viton ..... 320348

### 6 Cylinder

2006-2003 201/3.3L, 230/3.8L

Repair Sleeve ..... 99112  
Seal ..... 3638

2002-1990 201/3.3L, 230/3.8L

Repair Sleeve ..... 99112  
Seal ..... 3638

2000 2972cc/3.0L

Seal ..... 223750

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2003-2000 148/2.4L (DOHC)

Seal Viton ..... 710056

### 6 Cylinder

2006-1990 181/3.0L, 201/3.3L, 231/3.8L

Seal Viton ..... 710056  
Seal PTFE H/D .....

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## DAEWOO- Lanos, Leganza, Nubira

<b>FRONT WHEEL</b>			<b>REAR WHEEL(cont)</b>		
2002-1999	Lanos, Nubria		2002-1999	Nubria	
	Ball Bearing .....	513113		Seal ; Inner .....	471498
2002-1999	Leganza			Cup/Cone; Inner .....	A15
	Ball Bearing .....	510052		Cup/Cone; Outer .....	A1
<b>REAR WHEEL</b>					
2002-1999	Lanos (Non-ABS)				
	Seal ; Inner .....	471498			
	Cup/Cone; Inner .....	A15			
	Cup/Cone; Outer .....	A1			
2002-1999	Leganza				
	Hub Assembly .....	512159			

## DAIHATSU- Charade

<b>FRONT WHEEL</b>			<b>CAMSHAFT SEAL</b>		
1992-1989	Charade (From 1/1/89)		<b>3 Cylinder</b>		
	Ball Bearing .....	510012	1992-1988	993cc/1.0L	
1988	Charade (Thru 12/31/88)			Seal .....	712008
	Ball Bearing .....	510014	<b>4 Cylinder</b>		
	Seal .....	1216N	1992-1989	1295cc/1.3L	
				Seal .....	223800
<b>REAR WHEEL</b>			<b>CRANKSHAFT FRONT SEAL</b>		
1992-1988	Charade (Coupe)		<b>3 Cylinder</b>		
	Ball Bearing ; Inner .....	205F	1992-1988	993cc/1.0L	
	Ball Bearing ; Outer .....	303		Seal .....	223420
<b>CLUTCH</b>			<b>4 Cylinder</b>		
<b>Release Bearing</b>			1992-1989	1295cc/1.3L	
1992-1988	All			Seal .....	223420
	Bearing Assembly .....	614110	<b>CRANKSHAFT REAR SEAL</b>		
<b>3-SPEED AUTOMATIC TRANSAXLE</b>			<b>3 Cylinder</b>		
<b>Differential</b>			1992-1988	993cc/1.0L	
1992-1988	(Aisin A210)			Seal .....	710271
	Ball Bearing .....	207S	<b>4 Cylinder</b>		
<b>Output Shaft</b>			1992-1989	1295cc/1.3L	
1992-1988	(Aisin A210)			Seal .....	228009
	Repair Sleeve .....	99139			
	Seal .....	223540			
<b>Selector Shaft Seal/Man. Shaft</b>					
1992-1988	(Aisin A210)				
	Seal .....	710116			
<b>Torque Converter</b>					
1992-1988	(Aisin A210)				
	Repair Sleeve .....	223830			
	Seal .....				
<b>MANUAL STEERING</b>					
<b>Pitman Shaft</b>					
1992-1988	All				
	Ball Bearing .....	202			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## DAIHATSU TRUCK- SUV - Rocky

<b>FRONT WHEEL</b>			<b>REAR AXLE</b>		
1992-1990	All		<b>Differential</b>		
	Seal ; Inner .....	224200	1992-1990	All	
	Seal ; Outer .....	225535		Cone/Cup .....	30208
<b>4WD/AWD</b>			<b>Pinion</b>		
1992-1990	All		1992-1990	All	
	Seal ; Inner .....	224200		Cone/Cup ; Outer .....	30306
	Seal ; Outer .....	225535		Cone/Cup ; Inner .....	30307
<b>REAR WHEEL</b>			<b>CLUTCH</b>		
1992-1990	All		<b>Pilot Bearing</b>		
	Seal ; Inner .....	225208	1992-1990	All	
	Seal ; Outer .....	225008		Ball Bearing .....	101SS
	Ball Bearing ; Inner .....	511022	<b>Release Bearing</b>		
<b>4WD FRONT AXLE</b>			<b>1992-1990 All</b>		
<b>Pinion</b>				Bearing Assembly .....	614145
1992-1990	All		<b>CRANKSHAFT FRONT SEAL</b>		
	Cone/Cup ; Outer .....	30306	<b>4 Cylinder</b>		
	Cone/Cup ; Inner .....		1992-1990	1589cc/1.6L	
	Seal ; Outer .....			Seal .....	223420
<b>CRANKSHAFT REAR SEAL</b>			<b>4 Cylinder</b>		
<b>1992-1990 1589cc/1.6L</b>			1992-1990	1589cc/1.6L	
				Seal .....	228009

## DELOREAN-

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Output Shaft</b>		
1983-1981	All	
	Seal .....	1962
<b>Torque Converter</b>		
1983-1981	All	
	Seal .....	223010
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
1983-1981	2849cc/2.8L	
	Seal .....	224252

## DODGE- FRONT DRIVE - Aries, Daytona, Dynasty, Lancer, Shadow, Spirit, 600

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
1995-1991	All		1990-1989	All	
	Hub Assembly .....	513075		Seal .....	5604
				Ball Bearing ; Opt .....	513006
				Hub Kit; 4 Stud .....	518501 <sup>22</sup>
				Hub Kit; 5 Stud .....	518502 <sup>22</sup>

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE- FRONT DRIVE - Aries, Daytona, Dynasty, Lancer, Shadow, Spirit, 600</b>					
<b>(cont.)</b>					

## FRONT WHEEL(cont)

<b>1990-1989</b>	<b>Daytona</b>	
Seal .....		5604
Ball Bearing ; Opt .....		513006
Hub Kit; 14" Whl. ....		518502 <sup>22</sup>
Hub Assembly; 15",16" Whl .....		513075
<b>1990-1989</b>	<b>Dynasty</b>	
Hub Assembly .....		513075
<b>1988-1984</b>	<b>All</b>	
Seal .....		5604
Ball Bearing ; Opt .....		513006
Hub Kit; 4 Stud .....		518501 <sup>22</sup>
Hub Kit; 5 Stud .....		518502 <sup>22</sup>
<b>1983-1981</b>	<b>All</b>	
Seal .....		5604
Hub Kit .....		518500 <sup>22</sup>
Ball Bearing ; Opt .....		B39

## REAR WHEEL

<b>1995-1983</b>	<b>All</b>	
Seal ; Inner .....		4099
Cup/Cone; Inner .....		A39
Cup/Cone; Outer .....		A16
<b>1982-1981</b>	<b>All</b>	
Seal ; Inner .....		3677
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A2

## CLUTCH

### Release Bearing

<b>1995-1991</b>	<b>6 Cyl 3.0L</b>	
Bearing Assembly .....		614092
<b>1994-1990</b>	<b>4 Cyl</b>	
Bearing Assembly .....		614092

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

<b>1995-1981</b>	<b>(A404, A413, A470, A670, 31TH)</b>	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

### Output Shaft

<b>1991-1981</b>	<b>(A404, A413, A470, A670, 31TH)</b>	
Cup/Cone .....		A17

### Selector Shaft Seal/Man. Shaft

<b>1995-1981</b>	<b>(A404, A413, A470, A670, 31TH)</b>	
Seal .....		8609

### Torque Converter

<b>1995-1981</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		331228H

## 4-SPEED AUTOMATIC TRANSAXLE

### Torque Converter / Frt Pump

<b>1995-1988</b>	<b>(A604, 41TE, 42LE)</b>	
Repair Sleeve .....		99149
Seal .....		331228H

### Output Shaft

<b>1991-1988</b>	<b>(A604)</b>	
Cup/Cone .....		A17

### Selector Shaft Seal/Man. Shaft

<b>1995-1988</b>	<b>(A604, 41TE)</b>	
Seal .....		8609

## 4-SPEED MANUAL TRANSAXLE

### Differential

<b>1986-1981</b>	<b>(A460)</b>	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18
<b>1983-1981</b>	<b>(A412)</b>	
Cone/Cup .....		LM29749-LM29710

### Output Shaft

<b>1983-1981</b>	<b>(A412)</b>	
Seal .....		474288

### Selector Shaft Seal/Man. Shaft

<b>1986-1981</b>	<b>(A460)</b>	
Seal .....		3816
<b>1983-1981</b>	<b>(A412)</b>	
Seal .....		221820

### Input Shaft

<b>1986-1981</b>	<b>(A460)</b>	
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		A5
Cup/Cone; Rr .....		
<b>1983-1981</b>	<b>(A412)</b>	
Seal .....		222240

## 5-SPEED MANUAL TRANSAXLE

### Differential

<b>1995-1983</b>	<b>(A465, A520, A523, A525, A543, A555, A568)</b>	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

### Selector Shaft Seal/Man. Shaft

<b>1995-1983</b>	<b>(A465, A520, A523, A525, A543, A555, A568)</b>	
Seal .....		3816

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE- FRONT DRIVE - Aries, Daytona, Dynasty, Lancer, Shadow, Spirit, 600</b>					
<b>(cont.)</b>					

## 5-SPEED MANUAL TRANSAXLE(cont)

<b>Input Shaft</b>		
1995-1983	(A465, A520, A523, A525, A543, A555, A568)	
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		A5
Cup/Cone; Rr .....		

## CAMSHAFT SEAL

<b>4 Cylinder</b>		
1995-1989	135/2.2L, 153/2.5L	
Repair Sleeve .....		99139
Seal .....		3655
1993-1991	135/2.2L (DOHC)	
Seal .....		223801
1988-1986	153/2.5L	
Repair Sleeve .....		99139
Seal .....		3655

<b>6 Cylinder</b>		
1995-1988	2972cc/3.0L	
Repair Sleeve .....		99139
Seal .....		3771

## CRANKSHAFT FRONT SEAL

<b>4 Cylinder</b>		
1995-1989	135/2.2L, 153/2.5L	
Repair Sleeve .....		99112
Seal .....		3638

## CRANKSHAFT FRONT SEAL(cont)

<b>4 Cylinder(cont)</b>		
1988-1981	135/2.2L, 153/2.5L	
Repair Sleeve .....		99139
Seal .....		3655

<b>6 Cylinder</b>		
1994-1988	181/3.0L	
Seal .....		223750

## CRANKSHAFT REAR SEAL

<b>4 Cylinder</b>		
1995-1981	135/2.2L, 153/2.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		
1985-1981	156/2.6L	
Seal Viton .....		228005

<b>6 Cylinder</b>		
1994-1988	181/3.0L	
Seal Viton .....		710056

# DODGE- FRONT DRIVE - Avenger

## FRONT WHEEL

2000-1995	All	
Hub Assembly .....		513157

## REAR WHEEL

2000-1995	(ABS, Non-ABS)	
Hub Assembly .....		512136

## CLUTCH

<b>Release Bearing</b>		
2000-1995	All	
Bearing Assembly .....		614121

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Torque Converter / Frt Pump</b>		
2000-1995	All	
Repair Sleeve .....		99149
Seal .....		331228H

<b>Transfer Shaft</b>		
2000-1996	(A604, 41TE)	
Cup/Cone; Outer .....		A35

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

<b>Transfer Shaft(cont)</b>		
1995	(A604, 41TE)	
Cone/Cup ; Inner .....		13687-13623X
Cup/Cone; Outer .....		A35

## 5-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
1999-1995	(A578)	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

<b>Output Shaft</b>		
1999-1995	(A578)	
Repair Sleeve .....		99157
Seal .....		3459

<b>Selector Shaft Seal/Man. Shaft</b>		
1999-1995	(A578)	
Seal .....		3816

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **DODGE- FRONT DRIVE - Avenger (cont.)**

### **CAMSHAFT SEAL**

#### **4 Cylinder**

1999-1995	122/2.0L	
Seal Viton .....		320249

#### **6 Cylinder**

2000-1995	2497cc/2.5L	
Repair Sleeve .....		99139
Seal .....		3771

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

1999-1995	122/2.0L	
Seal Viton .....		320348

#### **6 Cylinder**

2000-1995	2497cc/2.5L	
Seal .....		223750

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

1999-1995	122/2.0L	
Seal Viton .....		710056
Seal PTFE H/D .....		

#### **6 Cylinder**

2000-1995	2497cc/2.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		

## **DODGE- FRONT DRIVE - Charger, GLH, Omni, Rampage, Shelby, 400**

### **FRONT WHEEL**

1990-1984	Omni Charger Shelby	
Seal .....		5604
Ball Bearing ; Opt .....		513006
Hub Kit; 4 Stud .....		518501 <sup>22</sup>
Hub Kit; 5 Stud .....		518502 <sup>22</sup>

1990-1984	Omni(Exc. Shelby)	
Ball Bearing .....		B39
Seal .....		5604
Hub Kit .....		518500 <sup>22</sup>

1983-1980	All	
Ball Bearing .....		B39
Seal .....		5604
Hub Kit .....		518500 <sup>22</sup>

### **REAR WHEEL**

1990-1983	All	
Seal ; Inner .....		4099
Cup/Cone; Inner .....		A39
Cup/Cone; Outer .....		A16

1982-1980	All	
Seal ; Inner .....		3677
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A2

### **3-SPEED AUTOMATIC TRANSAXLE**

#### **Differential**

1990-1980	(A404, A413, A470, A670, 31TH)	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

#### **Output Shaft**

1990-1980	(A404, A413, A470, A670, 31TH)	
Cup/Cone .....		A17

### **3-SPEED AUTOMATIC TRANSAXLE(cont)**

#### **Selector Shaft Seal/Man. Shaft**

1990-1980	(A404, A413, A470, A670, 31TH)	
Seal .....		8609

#### **Torque Converter**

1990-1980	All	
Repair Sleeve .....		99149
Seal .....		331228H

### **4-SPEED AUTOMATIC TRANSAXLE**

#### **Torque Converter / Frt Pump**

1990-1988	(A604, 41TE, 42LE)	
Repair Sleeve .....		99149
Seal .....		331228H

#### **Output Shaft**

1990-1988	(A604)	
Cup/Cone .....		A17

#### **Selector Shaft Seal/Man. Shaft**

1990-1988	(A604, 41TE)	
Seal .....		8609

### **4-SPEED MANUAL TRANSAXLE**

#### **Differential**

1983-1980	(A412)	
Cone/Cup .....		LM29749-LM29710

#### **Output Shaft**

1983-1980	(A412)	
Seal .....		474288

#### **Selector Shaft Seal/Man. Shaft**

1983-1980	(A412)	
Seal .....		221820

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE- FRONT DRIVE - Charger, GLH, Omni, Rampage, Shelby, 400 (cont.)</b>					

<b>4-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Input Shaft</b>		
1983-1980	(A412)	
Seal .....		222240
<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1990-1983	(A465, A520, A523, A525, A543, A555, A568)	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18
<b>Selector Shaft Seal/Man. Shaft</b>		
1990-1983	(A465, A520, A523, A525, A543, A555, A568)	
Seal .....		3816

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Input Shaft</b>		
1990-1983	(A465, A520, A523, A525, A543, A555, A568)	
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		A5
Cup/Cone; Rr .....		
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1990-1981	135/2.2L	
Seal Viton .....		710056
Seal PTFE H/D .....		
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1990-1981	135/2.2L	
Repair Sleeve .....		99139
Seal .....		3655

## DODGE- FRONT DRIVE - Intrepid

<b>FRONT WHEEL</b>		
2004-1993	All	
Hub Assembly; Speed Sens .....		513089
on CV .....		
<b>REAR WHEEL</b>		
2004-1998	(ABS)	
Hub Assembly .....		512029
1997-1993	(ABS, Non-ABS)	
Cup/Cone; Substitute ABS .....		512029
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2004-1993	(A606, 42LE)	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A36
<b>Torque Converter / Frt Pump</b>		
2002-1993	All	
Repair Sleeve .....		99149
Seal .....		331228H
<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2004-2000	215/3.5L	
Repair Sleeve .....		714655
Seal .....		
2001-1998	3200cc/3.2L	
Repair Sleeve .....		714655
Seal .....		

<b>CAMSHAFT SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1997-1993	215/3.5L	
Repair Sleeve .....		714655
Seal .....		
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2004-2000	215/3.5L	
Repair Sleeve .....		99112
Seal .....		3638
2001-1998	3200cc/3.2L	
Repair Sleeve .....		99112
Seal .....		3638
1997-1993	201/3.3L, 215/3.5L	
Repair Sleeve .....		99112
Seal .....		3638
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2004-1998	167/2.7L (DOHC)	
Seal Viton .....		710056
2003-2000	215/3.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		
2001-1998	3200cc/3.2L	
Seal Viton .....		710056
1997-1993	201/3.3L, 215/3.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## DODGE- FRONT DRIVE - Monaco

### FRONT WHEEL

1992-1990	All	
	Ball Bearing .....	513144K

### REAR WHEEL

1992-1991	(ABS)	
	Hub Assembly .....	513072
1991-1990	(Non-ABS)	
	Hub Assembly .....	513070

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

1992-1990	All	
	Seal .....	320583

#### Output Shaft

1992-1990	(ZF4HP 18)	
	Seal ; RH .....	710422
	Seal ; LH .....	224462
1992-1990	(w/o ZF4HP 18)	
	Repair Sleeve .....	99139
	Seal .....	223543

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

1992-1990	182/3.0L	
	Seal Viton .....	710196

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1992-1990	182/3.0L	
	Seal .....	228010

## DODGE- FRONT DRIVE - Neon

### FRONT WHEEL

2005-2002	All	
	Ball Bearing .....	513058
2001-2000	All	
	Ball Bearing .....	510057
1999-1995	All	
	Ball Bearing .....	510032
	Hub Kit; 4 Stud .....	518511 <sup>25</sup>
	Hub Kit; 5 Stud .....	518512 <sup>25</sup>

### REAR WHEEL

2005-2000	All	
	Hub Assembly .....	512167
1999-1998	All	
	Hub Assembly .....	512013
1997-1995	All	
	Hub Assembly; 4 Stud .....	512021
	Hub Assembly; 5 Stud .....	512023

### CLUTCH

#### Release Bearing

2002-1995	All	
	Bearing Assembly .....	614121

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

2001-1997	(A404 31TH) (Prod. from mid 1997 on)	
	Repair Sleeve; RH .....	99157
	Repair Sleeve; LH .....	99157
	Seal ; RH .....	3459
	Seal ; LH .....	3459
1997-1996	(A404 31TH) (Prod. thru mid 1997)	
	Repair Sleeve; RH .....	99157
	Repair Sleeve; LH .....	99157
	Seal ; RH .....	3459
	Seal ; LH .....	3459
	Cone/Cup ; RH .....	
1995	(A404 31TH)	
	Repair Sleeve; RH .....	99157
	Repair Sleeve; LH .....	99157
	Seal ; RH .....	3459
	Seal ; LH .....	3459

#### Selector Shaft Seal/Man. Shaft

2001-1995	All	
	Seal .....	8609

#### Torque Converter

2002-1995	All	
	Repair Sleeve .....	99149
	Seal .....	331228H

#### Transfer Shaft

1997-1995	(A404 31TH) (Prod. thru mid 1997)	
	Cone/Cup ; (LH) .....	A18
	Cone/Cup ; (RH) .....	A18

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **DODGE- FRONT DRIVE - Neon (cont.)**

<b>5-SPEED MANUAL TRANSAXLE</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Differential</b>			<b>4 Cylinder</b>		
2002-1995	All		2005-2003	2429cc/2.4L (DOHC)	
Repair Sleeve	.....	99157	Seal Viton	.....	710056
Seal	.....	3459	2005-1995	1996cc/2.0L	
Cup/Cone	.....	A18	Seal Viton	.....	710056
<b>Output Shaft</b>			Seal PTFE H/D		
2002-1995	All				
Repair Sleeve; RH	.....	99157			
Repair Sleeve; LH	.....	99157			
Seal ; RH	.....	3459			
Seal ; LH	.....	3459			
<b>CAMSHAFT SEAL</b>					
<b>4 Cylinder</b>					
2005-1995	122/2.0L				
Seal Viton	.....	320249			
<b>CRANKSHAFT FRONT SEAL</b>					
<b>4 Cylinder</b>					
2005-2003	2429cc/2.4L (DOHC)				
Seal Viton	.....	320348			
2005-1995	122/2.0L				
Seal Viton	.....	320348			

## **DODGE- FRONT DRIVE - Stratus**

<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
2006-2001	Stratus (Sedan)		<b>Torque Converter / Frt Pump</b>		
Hub Assembly	.....	513138	2003-1995	(41TE)	
2005-2001	Stratus (Coupe)		Repair Sleeve	.....	99149
Hub Assembly	.....	513157	Seal	.....	331228H
2000-1995	All		<b>Transfer Shaft</b>		
Hub Assembly	.....	513138	2001-1996	(A604, 41TE)	
<b>REAR WHEEL</b>			Cup/Cone; Outer	.....	A35
2006-1998	(Sedan) (ABS)		1995	(A604, 41TE)	
Hub Assembly	.....	512220	Cone/Cup ; Inner	.....	13687-13623X
2006-1995	(Sedan) (Non-ABS)		Cup/Cone; Outer	.....	A35
Hub Assembly	.....	512154	<b>5-SPEED MANUAL TRANSAXLE</b>		
2005-2001	(Coupe)		<b>Differential</b>		
Hub Assembly	.....	512136	1998-1995	All	
Bearing Assm; Opt	.....	512136	Cup/Cone; RH	.....	A18
1997-1995	(Sedan) (ABS)		<b>Output Shaft</b>		
Hub Assembly	.....	512133	1998-1995	All	
<b>CLUTCH</b>			Repair Sleeve	.....	99157
<b>Release Bearing</b>			Seal	.....	3459
2002-1995	4 Cyl		<b>CAMSHAFT SEAL</b>		
Bearing Assembly	.....	614121	<b>4 Cylinder</b>		
			2006-1995	122/2.0L (SOHC), 148/2.4L	
			Seal Viton	.....	320249

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **DODGE- FRONT DRIVE - Stratus (cont.)**

### **CAMSHAFT SEAL(cont)**

#### **4 Cylinder(cont)**

2005-2001	2350cc/2.4L (SOHC)	
Repair Sleeve .....		99139
Seal .....		3771

#### **6 Cylinder**

2005-2001	181/3.0L	
Repair Sleeve .....		99139
Seal .....		3771

2000-1995	2497cc/2.5L	
Repair Sleeve .....		99139
Seal .....		3771

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

2006-1995	122/2.0L, 148/2.4L (DOHC)	
Seal Viton .....		320348

2005-2001	2351cc/2.4L (SOHC)	
Seal .....		224460

#### **6 Cylinder**

2005-2001	181/3.0L	
Seal .....		223750

2000-1995	2497cc/2.5L	
Seal .....		223750

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

2006-1995	2429cc/2.4L (DOHC)	
Seal Viton .....		710056

2005-2001	2350cc/2.4L (SOHC)	
Seal Viton .....		710235

2000-1995	122/2.0L, 148/2.4L	
Seal Viton .....		710056

Seal PTFE H/D .....		
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#### **6 Cylinder**

2005-2001	2.7L, 3.0L	
Seal Viton .....		710056

Seal PTFE H/D .....		
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2000-1995	2497cc/2.5L	
Seal Viton .....		229005

Seal PTFE H/D .....		
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## **DODGE- REAR DRIVE - Aspen, Challenger Gen-1, Dart, Lancer, Police, Taxi**

### **FRONT WHEEL**

1980	(Disc)	
Seal ; Inner .....		5121
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A2

### **REAR WHEEL**

1980	(7.25" R.G.) (10" Brks.)	
Ball Bearing .....		RWC35YYR
Seal .....		8660S

1980	(8.25" R.G.)	
Seal .....		8835S

	Cyl. Bearing .....	6408
	Optional Repair Bearing .....	RP6408 <sup>91</sup>

### **REAR AXLE**

#### **Differential**

1980	(7.25" R.G.)	
Cup/Cone .....		A35

1980	(8.25" R.G.) (From Early 1975)	
Cup/Cone .....		A36

1980	(9.25" R.G.)	
Cone/Cup .....		JLM704649-JLM704610

### **REAR AXLE(cont)**

#### **Pinion**

1980	(7.25" R.G.)	
Repair Sleeve .....		99168

Seal .....		8516N
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Cone/Cup ; Outer .....		M86649-M86610
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Cone/Cup ; Inner .....		HM88649-HM88610
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1980	(8.25" R.G.)	
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Cone/Cup ; Outer .....		M86649-M86610
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Cone/Cup ; Inner .....		M804049-M804010
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Seal ; Outer .....		8516N
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Repair Sleeve; Outer .....		99168
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1980	(9.25" R.G.)	
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Seal .....		5126
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Cone/Cup ; Outer .....		M88048-M88010
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Cone/Cup ; Inner .....		M804049-M804010
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### **3-SPEED AUTOMATIC TRANSMISSION**

#### **Rear Seal/Ext. Housing**

1980	(A727) (1 pc driveshaft)	
Ball Bearing .....		207XLO

Seal .....		7300S
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Seal Kit .....		5206
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<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE- REAR DRIVE - Aspen, Challenger Gen-1, Dart, Lancer, Police, Taxi</b>					
<b>(cont.)</b>					
<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>			<b>POWER STEERING(cont)</b>		
<b>Rear Seal/Ext. Housing(cont)</b>					
1980	(A904)		<b>Worm Shaft</b>		
	Ball Bearing .....	2506	1980	(Chrysler design)	
	Seal .....			Seal .....	7188S
<b>Selector Shaft Seal/Man. Shaft</b>					
1980	(A904)		<b>Sector Shaft</b>		
	Seal .....	8609	1980	(Chrysler design)	
				Seal .....	6859S
<b>Torque Converter</b>					
1980	(A727)		<b>MANUAL STEERING</b>		
	Seal .....	331227H	<b>Sector Shaft</b>		
1980	(A904)		1980	(Chrysler design)	
	Repair Sleeve .....	99149		Seal .....	6859S
	Seal .....	331228H	<b>CRANKSHAFT FRONT SEAL</b>		
<b>3-SPEED MANUAL TRANSMISSION</b>			<b>6 Cylinder</b>		
<b>Selector Shaft Seal/Man. Shaft</b>					
1980	All		1980	All	
	Seal .....	7188S		Seal .....	3095
<b>Front Input Shaft</b>					
1980	(New Process A230) (18 spline)		<b>8 Cylinder</b>		
	Seal .....	9376	1980	All	
1980	(New Process A230) (20 spline)			Seal .....	3103
	Ball Bearing .....	308LOE	<b>CRANKSHAFT REAR SEAL</b>		
	Seal .....	9376	<b>8 Cylinder</b>		
<b>Rear Output Shaft</b>					
1980	(New Process A230) (23 spline)		1980	273/4.5, 318/5.2, 340/5.6, 360/5.9	
	Ball Bearing .....	8160S		Seal .....	5414
	Seal .....		<b>4-SPEED MANUAL TRANSMISSION</b>		
1980	(New Process A230) (26 spline long shaft)		<b>Input Shaft</b>		
	Ball Bearing .....	2506	1980	(New Process A833) (23 splineshaft)	
	Seal .....			Ball Bearing .....	308LOE
1980	(New Process A230) (30 spline short shaft)			Seal .....	9376
	Ball Bearing .....	308LOE	<b>ALTERNATOR</b>		
	Seal .....	7300S	1980	31, 41, 50, 60, 65, 78 Amp.	
	Seal Kit .....	5206		Ball Bearing ; Drive End .....	203FF
<b>4-SPEED MANUAL TRANSMISSION</b>				Needle Bearing; Rear End .....	MNJ471S
<b>Input Shaft</b>					
1980	(New Process A833) (23 splineshaft)		<b>POWER STEERING</b>		
	Ball Bearing .....	308LOE	<b>Pump Shaft</b>		
	Seal .....	9376	1980	(Saginaw pump)	
<b>ALTERNATOR</b>				Seal .....	7013S
1980	31, 41, 50, 60, 65, 78 Amp.		<b>POWER STEERING</b>		
	Ball Bearing ; Drive End .....	203FF	<b>Pump Shaft</b>		
	Needle Bearing; Rear End .....	MNJ471S	1980	(Saginaw pump)	
1980	86, 100, 114 Amp.			Seal .....	7013S
	Ball Bearing ; Drive End .....	303SS	<b>POWER STEERING</b>		
<b>POWER STEERING</b>					
<b>Pump Shaft</b>					
1980	(Saginaw pump)		<b>Pump Shaft</b>		
	Seal .....	7013S	1980	(Saginaw pump)	
				Seal .....	7013S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **DODGE- REAR DRIVE - Charger, Magnum (New Style)**

### **FRONT WHEEL**

#### **2WD**

2008-2005	All	
Hub Assembly	.....	513224

#### **4WD/AWD**

2008-2005	All	
Hub Assembly	.....	513225

### **REAR WHEEL**

2008-2005	All	
Hub Assembly	.....	512301

### **4WD FRONT AXLE**

#### **Pinion**

2006-2005	Magnum	
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	M88043-M88010

### **CAMSHAFT SEAL**

#### **6 Cylinder**

2006-2005	215/3.5L	
Repair Sleeve	.....	714655
Seal	.....	

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

2006-2005	215/3.5L	
Repair Sleeve	.....	99112

## **DODGE- REAR DRIVE - Charger, Magnum (New Style) (cont.)**

### **CRANKSHAFT FRONT SEAL(cont)**

#### **6 Cylinder(cont)**

Seal	.....	3638
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## **DODGE- REAR DRIVE - Charger, Magnum (Old Style)**

### **REAR AXLE**

#### **Differential**

1983	(8.25" R.G.) (From Early 1975)	
Cup/Cone	.....	A36

## **DODGE- REAR DRIVE - Coronet, Custom Series, Diplomat, Matador, Mirada, Monaco, Polara, Royal, Royal Monaco, St. Regis, Sierra, Silver Challenger, 330, 440, 880**

### **FRONT WHEEL**

1989-1980	(Exc. 1977 Royal Monaco)	
Seal ; Inner	.....	5121
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A2

### **REAR WHEEL**

1989-1984	All	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>
1983-1981	(7.25" R.G.)	
Ball Bearing	.....	RWC35YYR
Seal	.....	8660S

### **REAR WHEEL(cont)**

1983-1980	(8.25", 9.25" R.G.)	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>

### **REAR AXLE**

#### **Differential**

1989-1980	(7.25" R.G.)	
Cup/Cone	.....	A35
1989-1980	(8.25" R.G.) (From Early 1975)	
Cup/Cone	.....	A36
1981-1980	(9.25" R.G.)	
Cone/Cup	.....	JLM704649-JLM704610

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE- REAR DRIVE - Coronet, Custom Series, Diplomat, Matador, Mirada, Monaco, Polara, Royal, Royal Monaco, St. Regis, Sierra, Silver Challenger, 330, 440, 880 (cont.)</b>					

<b>REAR AXLE(cont)</b>	
<b>Pinion</b>	
1989-1980 (7.25" R.G.)	
Repair Sleeve .....	99168
Seal .....	8516N
Cone/Cup ; Outer .....	M86649-M86610
Cone/Cup ; Inner .....	HM88649-HM88610
1989-1980 (8.25" R.G.)	
Repair Sleeve .....	99168
Seal .....	8516N
Cone/Cup ; Outer .....	M86649-M86610
Cone/Cup ; Inner .....	M804049-M804010
1981-1980 (9.25" R.G.)	
Seal .....	5126
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M804049-M804010
<b>3-SPEED AUTOMATIC TRANSMISSION</b>	
<b>Rear Seal/Ext. Housing</b>	
1980 (A727) (1 pc driveshaft)	
Ball Bearing .....	207XLO
Seal .....	7300S
Seal Kit .....	5206
<b>POWER STEERING</b>	
<b>Pump Shaft</b>	
1989-1980 (Saginaw pump)	
Seal .....	7013S
<b>Worm Shaft</b>	
1989-1980 (Chrysler design)	
Seal .....	7188S

<b>POWER STEERING(cont)</b>	
<b>Sector Shaft</b>	
1989-1980 (Chrysler design)	
Seal .....	6859S
<b>CRANKSHAFT FRONT SEAL</b>	
<b>6 Cylinder</b>	
1983-1980 All	
Seal .....	3095
<b>8 Cylinder</b>	
1989-1980 All	
Seal .....	3103
<b>CRANKSHAFT REAR SEAL</b>	
<b>6 Cylinder</b>	
1983-1980 225/3.7L	
Seal .....	5650
<b>8 Cylinder</b>	
1989-1980 273/4.5, 318/5.2, 340/5.6, 360/5.9	
Seal .....	5414

## DODGE- REAR DRIVE - Viper GTS Coupe, Viper RT/10

<b>FRONT WHEEL</b>	
2006-1996 All	
Hub Assembly .....	513132
1995-1992 All	
Hub Assembly .....	513109
<b>REAR WHEEL</b>	
2006-1996 All	
Hub Assembly .....	513132
1995-1992 All	
Hub Assembly .....	513109
<b>REAR AXLE</b>	
<b>Differential</b>	
2006-1992 (Dana/Spicer 44 Axle)	
Seal Viton .....	473227V
Cup/Cone .....	A36

<b>REAR AXLE(cont)</b>	
<b>Pinion</b>	
2000-1992 (Dana/Spicer 44 Axle)	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011
<b>CLUTCH</b>	
<b>Pilot Bearing</b>	
2002-1992 All	
Needle Bearing .....	SCE1211
<b>Release Bearing</b>	
2002-1992 All	
Bearing Assembly .....	614061

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **DODGE- REAR DRIVE - Viper GTS Coupe, Viper RT/10 (cont.)**

### **6-SPEED MANUAL TRANSMISSION**

#### **Countershaft**

2002-1992 (Frt. C/S)		
Cup/Cone .....	A5	
2002-1992 (Middle C/S)		
Cone/Cup .....	32008	
2002-1992 (Rr. C/S)		
Cup/Cone .....	A16	

#### **Main Shaft**

2002-1992 (Frt. main shaft)		
Cone/Cup .....	M88048-M88010	
Repair Sleeve .....	99125	
Seal .....	7412S	
2002-1992 (Main shaft pocket)		
Seal .....	7300S	
Cup/Cone .....	A16	
2002-1992 (Rr. main shaft)		
Cone/Cup .....	25572-25520	

### **CRANKSHAFT FRONT SEAL**

#### **10 Cylinder**

2005-2003 505/8.3L		
Seal Viton .....		471424V
2002-1994 488/8.0L		
Repair Sleeve .....		99199
Seal .....		471424

## **DODGE IMPORT- see also Hillman, Mitsubishi - Challenger Gen-2, Colt, Colt Vista, Conquest, Stealth**

### **FRONT WHEEL**

1996-1991 Stealth (FWD)		
Seal ; Inner .....	710182	
Seal ; Outer .....	710183	
Ball Bearing ; Inner .....	510034	
1996-1991 Stealth R/T (AWD)		
Hub Assembly .....	513133	
1994-1993 Colt		
Seal ; Inner .....	8430S	
Seal ; Outer .....	4898	
Ball Bearing ; Inner .....	510016	
1992-1985 Colt		
Seal ; Inner .....	474134	
Cup/Cone; Inner .....	A41	
Cup/Cone; Outer .....	A41	
1991-1985 Colt Vista (4WD)		
Seal ; Inner .....	225450	
Seal ; Outer .....	225230	
Ball Bearing ; Inner .....	513036	
1991-1984 Colt Vista (FWD)		
Seal ; Inner .....	474134	
Cup/Cone; Inner .....	A41	
Cup/Cone; Outer .....	A41	
1989 2000 GTX (Canada only)		
Ball Bearing .....	513036	
Seal .....	225230	

### **FRONT WHEEL(cont)**

1986-1984 Conquest		
Seal ; Inner .....		494122
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1984 Colt (FWD) (Turbo)		
Seal ; Inner .....		474134
Cup/Cone; Inner .....		A41
Cup/Cone; Outer .....		A41
1984-1980 Colt (FWD) (w/o Turbo)		
Cone/Cup ; Outer .....	LM29748-LM29710	
Cone/Cup ; Inner .....	LM29748-LM29710	
Seal ; Inner .....		474134
1983-1980 Challenger		
Seal ; Inner .....		494122
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1980 Colt (Sedan) (RWD)		
Seal ; Inner .....		1196
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1
1980 Colt Wagon (RWD)		
Seal ; Inner .....		494122
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2

### **REAR WHEEL**

1996-1991 Stealth (FWD)		
Hub Assembly .....		512039

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE IMPORT- see also Hillman, Mitsubishi - Challenger Gen-2, Colt, Colt Vista, Conquest, Stealth (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>1996-1991</b>	<b>Stealth R/T (AWD)</b>	
	Seal ; Inner .....	710152
	Ball Bearing ; Inner .....	511014
	Ball Bearing ; Outer .....	511015
<b>1994-1993</b>	<b>Colt (ABS)</b>	
	Hub Assembly .....	512033
<b>1994-1993</b>	<b>Colt (Non-ABS)</b>	
	Hub Assembly .....	512148
<b>1993-1985</b>	<b>Colt Wagon (4WD)</b>	
	Cone/Cup ; Outer .....	513029
	Cone/Cup ; Inner .....	513029
	Seal ; Inner .....	1205N
<b>1992-1991</b>	<b>Colt (Drum)</b>	
	Cone/Cup ; Outer .....	516001
	Cone/Cup ; Inner .....	516001
	Seal ; Inner .....	1205N
<b>1991-1985</b>	<b>Colt Vista (FWD)</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1990-1989</b>	<b>Colt (2Dr.) (Disc)</b>	
	Cone/Cup ; Outer .....	516000
	Cone/Cup ; Inner .....	516000
	Seal ; Inner .....	1205N
<b>1990-1989</b>	<b>Colt (2Dr.) (Drum)</b>	
	Cone/Cup ; Outer .....	516001
	Cone/Cup ; Inner .....	516001
	Seal ; Inner .....	1205N
<b>1990-1989</b>	<b>Colt (4Dr.)</b>	
	Cone/Cup ; Outer .....	513029
	Cone/Cup ; Inner .....	513029
	Seal ; Inner .....	1205N
<b>1989</b>	<b>2000 GTX (Canada only)</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1988</b>	<b>Colt</b>	
	Cone/Cup ; Outer .....	513029
	Cone/Cup ; Inner .....	513029
	Seal ; Inner .....	1205N
<b>1987-1985</b>	<b>Colt</b>	
	Cone/Cup ; Outer .....	513029
	Cone/Cup ; Inner .....	513029
	Seal ; Inner .....	710338
<b>1986-1985</b>	<b>Colt Vista (4WD)</b>	
	Ball Bearing .....	RW122
<b>1986-1984</b>	<b>Conquest</b>	
	Seal ; Inner .....	494122
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>1984-1980</b>	<b>Colt</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1

<b>REAR WHEEL(cont)</b>		
<b>1983-1980</b>	<b>Challenger</b>	
	Ball Bearing .....	514004
	Seal .....	1955
<b>REAR AXLE</b>		
<b>Differential</b>		
<b>1983-1980</b>	<b>Challenger 2600</b>	
	Ball Bearing .....	207
<b>Pinion</b>		
<b>1986-1985</b>	<b>Conquest</b>	
	Seal .....	224255
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
<b>1983-1980</b>	<b>Challenger 2600</b>	
	Seal .....	224255
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
<b>1980</b>	<b>Challenger 1600, 2000</b>	
	Cone/Cup ; Outer .....	30305
	Cone/Cup ; Inner .....	32207
<b>1980</b>	<b>Colt 1600, 2000</b>	
	Cone/Cup ; Outer .....	30305
	Cone/Cup ; Inner .....	32207
<b>1980</b>	<b>Colt 2600</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
	Seal ; Outer .....	224255
<b>CLUTCH</b>		
<b>Release Bearing</b>		
<b>1996-1991</b>	<b>Stealth</b>	
	Bearing Assembly .....	614126
<b>1992-1979</b>	<b>Colt (FWD)</b>	
	Bearing Assembly .....	614126
<b>1990-1984</b>	<b>Colt Vista (FWD)</b>	
	Bearing Assembly .....	614126
<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1982-1980</b>	<b>(A94)</b>	
	Seal .....	2506
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1982-1980</b>	<b>(A94)</b>	
	Seal .....	8609
<b>Torque Converter</b>		
<b>1982-1980</b>	<b>(RWD)</b>	
	Repair Sleeve .....	99149
	Seal .....	331228H
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1986-1984</b>	<b>All</b>	
	Seal .....	223801

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE IMPORT- see also Hillman, Mitsubishi - Challenger Gen-2, Colt, Colt Vista, Conquest, Stealth (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

<b>Torque Converter</b>		
1986-1984	All	
Seal Viton		2025

## 4-SPEED MANUAL TRANSMISSION

<b>Input Shaft</b>		
1980	All	
Ball Bearing		307L
Seal Viton		712007

<b>Rear Output Shaft</b>		
1980	All	
Ball Bearing		306L
Seal		223240

## 5-SPEED MANUAL TRANSMISSION

<b>Selector Shaft Seal/Man. Shaft</b>		
1986-1980	All	
Seal		710222

<b>Front Input Shaft</b>		
1986-1985	(KM132G)	
Ball Bearing		307L
Seal		223014

<b>1986-1980 (KM132, KM132 B)</b>		
Ball Bearing		207L
Seal		223014

<b>1983-1980 (KM119)</b>		
Ball Bearing		208L
Seal Viton		712007

<b>Rear Output Shaft</b>		
1986-1984	(KM132B, KM132G)	
Ball Bearing		511014
Seal		223608
1983-1980	(KM119)	
Ball Bearing		205
Seal		223240
1983-1980	(KM132)	
Seal		223608

## 3-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
1996-1980	(w/o KM172 0, KM172 5)	
Ball Bearing		207
1990-1984	(KM172 0, KM172 5)	
Cone/Cup		30207

<b>Output Shaft</b>		
1996-1980	All	
Repair Sleeve		99139
Seal		223543

<b>Torque Converter</b>		
1996-1980	(FWD)	
Seal		320583

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
1996-1990	(F4A21 2, F4A22 2, F4A33 1, KM176 5)	
Ball Bearing		207
1992-1990	(ZF4HP 18)	
Cone/Cup ; LH		LM806649-LM806610
Cone/Cup ; RH		LM300849-LM300811

<b>Torque Converter / Frt Pump</b>		
1996-1990	(w/o ZF4HP 18, 41TE)	
Seal		320583
1992-1990	(ZF4HP 18)	
Seal		224510

<b>Output Shaft</b>		
1996-1993	(F4A21 2, F4A22 2)	
Repair Sleeve		99139
Seal		223543
1996-1993	(F4A33 1)	
Seal Viton		710259
1996-1992	(W4A32 1)	
Repair Sleeve; LH		99139
Seal ; RH		710199
Seal ; LH		223543
1992-1990	(F4A21 2, F4A22 2, F4A33 1, KM176 5)	
Repair Sleeve		99139
Seal		223543
1992-1990	(ZF4HP 18)	
Seal ; RH		710422
Seal ; LH		224462

## 4-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
1992-1989	(F4M21 1)	
Ball Bearing		207
1989-1987	(KM200 0)	
Cone/Cup		30207
1986-1980	(KM160 2, KM161 0)	
Ball Bearing		207

<b>Output Shaft</b>		
1992-1987	(F4M21 1, KM200 0)	
Cone/Cup		30206
Repair Sleeve		99139
Seal		223543
1986-1980	(KM160 2, KM161 0)	
Cone/Cup		30304
Repair Sleeve		99139
Seal		223543

<b>Selector Shaft Seal/Man. Shaft</b>		
1992-1980	(KM160 2)	
Seal		710222

<b>Input Shaft</b>		
1992-1987	(F4M21 1, KM200 0)	
Seal Viton		712007

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE IMPORT- see also Hillman, Mitsubishi - Challenger Gen-2, Colt, Colt Vista, Conquest, Stealth (cont.)</b>					

<b>4-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Input Shaft(cont)</b>		
1986-1980	(KM160 2, KM161 0)	
Ball Bearing	.....	304
Seal Viton	.....	712007
<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1996-1985	(KM182 2, F5M22 2, KM182 0, KM206 0, KM221 1)	
Cone/Cup	.....	30207
1996-1980	(F5M21, F5M21 2, W5M31 2, W5M33 2, KM162 0, KM162 0, KM163 0, KM201 0)	
Ball Bearing	.....	207
<b>Output Shaft</b>		
1996-1992	(W5M33 2)	
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	710199
Seal ; LH	.....	223543
1996-1987	(F5M21 1, F5M21 2, F5M22 2, KM201 0, KM206 0)	
Cone/Cup	.....	30206
Repair Sleeve	.....	99139
Seal	.....	223543
1996-1980	(KM182 2, KM162 0, KM163 0, KM221 1, F5M31 2, F5M33 2)	
Repair Sleeve	.....	99139
Seal	.....	223543
1994-1993	(Getrag)	
Seal Viton	.....	710259
1993-1992	(W5M31 2)	
Repair Sleeve; RH	.....	99114
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	1981
Seal ; LH	.....	223543
1992-1991	(Getrag)	
Repair Sleeve	.....	99139
Seal	.....	223543
<b>Selector Shaft Seal/Man. Shaft</b>		
1996-1980	(KM162 0)	
Seal	.....	710222
<b>Input Shaft</b>		
1996-1990	(F5M21 1, F5M21 2, F5M22 2, F5M33 2, W5M31 2, W5M33 2)	
Seal Viton	.....	712007
1994-1991	(Getrag)	
Seal Viton	.....	712007
1991-1985	(KM182 2, KM182 0, KM221 1)	
Cone/Cup ; Rr	.....	30304
Ball Bearing ; Center	.....	304
Seal Viton ; Center	.....	712007

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Input Shaft(cont)</b>		
1989-1987	(KM201 0, KM206 0)	
Ball Bearing ; Rr	.....	304
Ball Bearing ; Center	.....	712007
Seal Viton ; Center	.....	
1987-1980	(KM162 0, KM163 0)	
Ball Bearing	.....	304
Seal Viton	.....	712007
<b>6-SPEED MANUAL TRANSAXLE</b>		
<b>Output Shaft</b>		
1996-1995	(Getrag)	
Seal Viton	.....	710259
<b>Input Shaft</b>		
1996-1995	(Getrag)	
Seal Viton	.....	712007
<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
1996-1989	All	
Repair Sleeve	.....	99139
Seal	.....	3771
1986-1980	2555cc/2.6L	
Seal	.....	222330
1980	1410cc/1.4L, 1597cc/1.6	
Repair Sleeve	.....	99139
Seal	.....	3771
<b>6 Cylinder</b>		
1996-1991	2972cc/3.0L	
Repair Sleeve	.....	99139
Seal	.....	3771
1996-1991	2972cc/3.0L (DOHC)	
Seal ; Frt	.....	223010
Seal ; Rr	.....	710302
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1995-1985	1468cc/1.5L	
Seal	.....	223018
1994-1992	1834cc/1.8L	
Seal	.....	223750
1994-1980	1595cc/1.6L (DOHC), 1597cc/1.6L, 1755cc/1.8L, 1997cc/2.0L, 2351cc/2.4L	
Seal	.....	224460
1984-1980	1410cc/1.4L	
Seal	.....	712001
1980	1597cc/1.6L	
Seal	.....	224460
<b>6 Cylinder</b>		
1996-1991	2972cc/3.0L	
Seal	.....	223750

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE IMPORT- see also Hillman, Mitsubishi - Challenger Gen-2, Colt, Colt Vista, Conquest, Stealth (cont.)</b>					

## CRANKSHAFT REAR SEAL

### 4 Cylinder

1994-1984	1595cc/1.6L (DOHC),1597cc/1.6L, 1755cc/1.8L,1997cc/2.0L, 2351cc/2.4L	
Seal Viton .....		228005
1986-1980	1410cc/1.4L, 1468cc/1.5L,1597cc/1.6L, 1755cc/1.8L0L	
Seal .....		227235
1986-1980	1995cc/2.0L, 2555cc/2.6L	
Seal Viton .....		228005
1980	1410cc/1.4L, 1597cc/1.6	
Seal .....		227235

### 6 Cylinder

1996-1991	2972cc/3.0L	
Seal Viton .....		710056
Seal PTFE H/D .....		

## DODGE TRUCK- MINIVAN, AWD MINIVAN - Caravan, Grand Caravan, Mini Ram Van

### FRONT WHEEL

2007-2001	All	
Hub Assembly .....		513123
2000-1996	(14" Whl.)	
Hub Assembly .....		513122
2000-1996	(15", 16", 17" Whl.)	
Hub Assembly .....		513123
1995-1991	(14" Whl.)	
Hub Assembly .....		513075
1995-1989	(15" Whl.)	
Hub Assembly .....		513074 <sup>23</sup>
1990-1984	(14" Whl.)	
Seal .....		5604
Ball Bearing ; Opt .....		513006
Hub Kit; 4 Stud .....		518501 <sup>22</sup>
Hub Kit; 5 Stud .....		518502 <sup>22</sup>
1988	(15" Whl.)	
Hub Assembly .....		513231 <sup>24</sup>

### REAR WHEEL

2007-2001	(ABS)	
Hub Assembly .....		512169
2007-2001	(Non-ABS)	
Hub Assembly .....		512170
2000-1996	(14" Whl.)	
Hub Assembly .....		512155

### REAR WHEEL(cont)

1995-1984	All	
Seal ; Inner .....		4249
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A16
<b>2WD</b>		
2000-1996	(15", 16", 17" Whl.)	
Hub Assembly .....		512156
<b>4WD/AWD</b>		
2004-1996	(15", 16", 17" Whl.)	
Hub Assembly .....		512157
1995-1991	All	
Hub Assembly .....		512125

### FRONT AXLE

#### Pinion

1999-1994	(AWD)	
Cup/Cone; Inner .....		A35
Cup/Cone; Outer .....		A17

### AWD REAR AXLE

#### Pinion

2002-1994	All	
Cup/Cone; Inner .....		A35
Cup/Cone; Outer .....		A17

### CLUTCH

#### Release Bearing

1994-1990	4 Cyl	
Bearing Assembly .....		614092

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts <sup>23</sup> Threaded Mtg Holes <sup>24</sup> Drilled Mtg Holes

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK- MINIVAN, AWD MINIVAN - Caravan, Grand Caravan, Mini Ram Van (cont.)</b>					

<b>CLUTCH(cont)</b>	
<b>Release Bearing(cont)</b>	
1989-1984 4 Cyl	
Bearing Assembly .....	614007
<b>3-SPEED AUTOMATIC TRANSAXLE</b>	
<b>Differential</b>	
2003-1997 (A404 31TH) (Prod. from mid 1997 on)	
Repair Sleeve; RH .....	99157
Repair Sleeve; LH .....	99157
Seal ; RH .....	3459
Seal ; LH .....	3459
1997-1996 (A404 31TH) (Prod. thru mid 1997)	
Repair Sleeve; RH .....	99157
Repair Sleeve; LH .....	99157
Seal ; RH .....	3459
Seal ; LH .....	3459
1995-1992 (A404 31TH)	
Cone/Cup .....	99157
Repair Sleeve .....	3459
Seal .....	
1991-1984 (A404)	
Cone/Cup .....	99157
Repair Sleeve .....	3459
Seal .....	
<b>Output Shaft</b>	
2002-1992 (A404 31TH)	
Repair Sleeve; RH .....	99157
Repair Sleeve; LH .....	99157
Seal ; RH .....	3459
Seal ; LH .....	3459
1991-1984 (A404 31TH, A413)	
Repair Sleeve .....	99157
Seal .....	3459
Cup/Cone .....	A17
<b>Selector Shaft Seal/Man. Shaft</b>	
2001-1984 All	
Seal .....	8609
<b>Torque Converter</b>	
2002-1984 All	
Repair Sleeve .....	99149
Seal .....	331228H
<b>4-SPEED AUTOMATIC TRANSAXLE</b>	
<b>Differential</b>	
1995-1994 (A604 41TE) (AWD)	
Cone/Cup ; LH .....	A18
Cone/Cup ; RH .....	
1990-1989 (A604, A670)	
Cup/Cone .....	A18

<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>	
<b>Torque Converter / Frt Pump</b>	
2002-1988 All	
Repair Sleeve .....	99149
Seal .....	331228H
<b>Output Shaft</b>	
2000-1997 (A604 41TE) (AWD) (Prod. from mid 1997 on)	
Seal ; Outer .....	3459
Repair Sleeve; Outer .....	99157
2000-1997 (A604 41TE) (Prod. from mid 1997 on)	
Seal ; Outer .....	3459
Repair Sleeve; Outer .....	99157
1997-1991 (A604 41TE) (AWD) (Prod. thru mid 1997)	
Cone/Cup ; Outer .....	3459
Cone/Cup ; Inner .....	99157
Seal ; Outer .....	
Repair Sleeve; Outer .....	
1997-1991 (A604 41TE) (Prod. thru mid 1997)	
Cone/Cup ; Outer .....	3459
Cone/Cup ; Inner .....	99157
Seal ; Outer .....	
Repair Sleeve; Outer .....	
1990-1989 (A604, A670)	
Repair Sleeve .....	99157
Seal .....	3459
Cup/Cone .....	A17
<b>Selector Shaft Seal/Man. Shaft</b>	
2002-1988 All	
Seal .....	8609
<b>Transfer Shaft</b>	
2001-1996 (A604, 41TE)	
Cup/Cone; Outer .....	A35
1995-1991 (A604, 41TE)	
Cone/Cup ; Inner .....	13687-13623X
Cup/Cone; Outer .....	A35
1991-1988 (A604, A670)	
Cup/Cone .....	A18
<b>4-SPEED MANUAL TRANSAXLE</b>	
<b>Differential</b>	
1986-1984 All	
Repair Sleeve .....	99157
Seal .....	3459
Cup/Cone .....	A18
<b>Selector Shaft Seal/Man. Shaft</b>	
1986-1984 All	
Seal .....	3816

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK- MINIVAN, AWD MINIVAN - Caravan, Grand Caravan, Mini Ram Van (cont.)</b>					

## 4-SPEED MANUAL TRANSAXLE(cont)

### Input Shaft

1986-1984	All	
Seal ; Frt	.....	3732S
Repair Sleeve; Frt	.....	A4
Cup/Cone; Frt	.....	A5
Cup/Cone; Rr	.....	

## 5-SPEED MANUAL TRANSAXLE

### Differential

1995-1984	(A465, A520, A523, A525, A555)	
Repair Sleeve	.....	99157
Seal	.....	3459
Cup/Cone	.....	A18

### Selector Shaft Seal/Man. Shaft

1992-1984	(A465, A520, A523, A525, A555)	
Seal	.....	3816

### Input Shaft

1995-1984	(A465, A520, A523, A525, A555)	
Seal ; Frt	.....	3732S
Repair Sleeve; Frt	.....	A4
Cup/Cone; Frt	.....	A5
Cup/Cone; Rr	.....	

## TRANSFER CASE

### Input Shaft

2004-1994	All	
Seal	.....	710501

### Front Output Shaft

2004-1994	All	
Ball Bearing	.....	106
Repair Sleeve	.....	99157
Seal	.....	3459

## CAMSHAFT SEAL

### 4 Cylinder

2006-1996	148/2.4L (DOHC)	
Seal Viton	.....	320249
1995-1987	153/2.5L	
Repair Sleeve	.....	99139
Seal	.....	3655
1987-1984	135/2.2L	
Seal ; Frt	.....	3655
Repair Sleeve; Frt	.....	99139
Seal ; Rr	.....	4040N
1987-1984	156/2.6L	
Seal	.....	222330

### 6 Cylinder

2000-1987	181/3.0L	
Repair Sleeve	.....	99139
Seal	.....	3771

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2006-1996	148/2.4L	
Seal Viton	.....	320348
1995-1989	153/2.5L	
Repair Sleeve	.....	99112
Seal	.....	3638
1988-1984	135/2.2L, 153/2.5L	
Repair Sleeve	.....	99139
Seal	.....	3655
1987-1984	156/2.6L	
Repair Sleeve	.....	99189
Seal	.....	224840

### 6 Cylinder

2006-1990	201/3.3L, 230/3.8L	
Repair Sleeve	.....	99112
Seal	.....	3638
2000-1987	181/3.0L	
Seal	.....	223750

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2006-1984	135/2.2L, 148/2.4L, 153/2.5L	
Seal Viton	.....	710056
Seal PTFE H/D	.....	
1987-1984	156/2.6L	
Seal Viton	.....	228005

### 6 Cylinder

2006-2001	201/3.3L, 230/3.8L	
Seal Viton	.....	710056
2000-1987	181/3.0L, 201/3.3L, 231/3.8L,	
Seal Viton	.....	710056
Seal PTFE H/D	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE- LIGHT TRUCK - D50, Raider, Ram 50</b>					

## FRONT WHEEL

<b>2WD</b>		
1993-1980	All	
Seal ; Inner	.....	225010
Cup/Cone; Inner	.....	A5
Cup/Cone; Outer	.....	A3
<b>4WD/AWD</b>		
1993-1982	All	
Seal ; Inner	.....	225875

## REAR WHEEL

1993-1980	All	
Cone/Cup ; Outer	.....	30208
Seal ; Inner	.....	4989
Seal ; Outer	.....	225110

## 4WD FRONT AXLE

<b>Differential</b>		
1993-1983	(4 Cyl.)	
Seal	.....	710335
1991-1989	(6 Cyl.)	
Seal	.....	710151
<b>Pinion</b>		
1993-1983	(4 Cyl.)	
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM89449-HM89410
Seal ; Outer	.....	224255
1991	(6 Cyl.)	
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410
Seal ; Outer	.....	224570
1990-1989	(6 Cyl.)	
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410
Seal ; Outer	.....	1943
<b>Steering Knuckle</b>		
1993-1989	All	
Seal	.....	710146

## REAR AXLE

<b>Pinion</b>		
1993-1989	(4 Cyl.)	
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410
Seal ; Outer	.....	224570
1991-1989	(6 Cyl.)	
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89249-HM89210
Seal ; Outer	.....	224570
1988-1980	All	
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410
Seal ; Outer	.....	224570

## CLUTCH

<b>Pilot Bearing</b>		
1992-1980	4 Cyl	
Ball Bearing	.....	102CC

## CLUTCH(cont)

<b>Pilot Bearing(cont)</b>		
1991-1989	6 Cyl	
Ball Bearing	.....	203FF
<b>Release Bearing</b>		
1992-1979	50 Ser Trk, 4 Cyl w/ Hydraulic Clutch (w/o 2.6L, 4 Cyl)	
Bearing Assembly	.....	614016
1991-1990	50 Ser Trks 6 Cyl	
Bearing Assembly	.....	614017
1989	Raider 6 Cyl.	
Bearing Assembly	.....	614017

## 3-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
1986-1980	All	
Seal	.....	2506
<b>Selector Shaft Seal/Man. Shaft</b>		
1986-1980	All	
Seal	.....	8609
<b>Torque Converter</b>		
1986-1980	All	
Repair Sleeve	.....	99149
Seal	.....	331228H

## 4-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
1993-1990	(A500) (2wd)	
Ball Bearing	.....	207XLO
Seal	.....	7300S
Seal Kit	.....	5206
1993-1990	(A500) (4WD)	
Ball Bearing	.....	207XLO
Seal	.....	710058
1989-1987	(Aisin)	
Seal	.....	710319
<b>Selector Shaft Seal/Man. Shaft</b>		
1993-1990	(A500)	
Seal	.....	8609
<b>Torque Converter</b>		
1993-1990	(A500)	
Repair Sleeve	.....	99149
Seal	.....	331228H
1989-1987	(Aisin)	
Repair Sleeve	.....	223830
Seal	.....	

## 4-SPEED MANUAL TRANSMISSION

<b>Input Shaft</b>		
1985-1983	(KM130 1, KM130 4, KM144 0,	
Ball Bearing	.....	307L
1985-1983	(KM130 1, KM130 4, KM144 0, KM144 3)	
Seal	.....	223014

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **DODGE- LIGHT TRUCK - D50, Raider, Ram 50 (cont.)**

### **4-SPEED MANUAL TRANSMISSION(cont)**

#### **Input Shaft(cont)**

1981-1980 (KM110)	
Ball Bearing .....	307L
Seal Viton .....	712007

#### **Rear Output Shaft**

1985-1983 (KM130 1, KM130 4, KM144 0, KM144 3)	
Ball Bearing .....	207L
Seal .....	223608
1981-1980 (KM110)	
Ball Bearing .....	306L
Seal .....	223240

### **5-SPEED MANUAL TRANSMISSION**

#### **Front Input Shaft**

1993-1989 (M1S5)	
Seal .....	223255
1993-1982 (w/o KM119, M1S5)	
Ball Bearing .....	307L
Seal .....	223014
1981-1980 (KM119)	
Ball Bearing .....	208L
Seal Viton .....	712007

#### **Rear Output Shaft**

1993-1987 9KM132 1, KM145 8, KM145 9)	
Ball Bearing .....	511014
Seal .....	223608
1989-1982 (KM132 J, KM132 K, KM132 8)	
Ball Bearing .....	RW122
Seal .....	223608
1986-1982 (KM132 E, KM132 9)	
Seal .....	223608
1986-1982 (KM145 1 thru KM145 5)	
Ball Bearing .....	RW122
Seal .....	223608
1981-1980 (KM119)	
Ball Bearing .....	205
Seal .....	223240

### **TRANSFER CASE**

#### **Input Shaft**

1993-1990 (V4AC1 2, V5M21 2)	
Ball Bearing .....	5209W
Repair Sleeve .....	99177
Seal .....	1992
1993-1990 (V5MT1 2)	
Ball Bearing .....	5209W
Seal .....	224560
1989-1982 (KM100) (A/T)	
Ball Bearing .....	5209W
Repair Sleeve .....	99177
Seal .....	1992
1989-1982 (KM100) (M/T)	
Ball Bearing .....	5209W
Seal .....	224560

### **TRANSFER CASE(cont)**

#### **Front Output Shaft**

1993-1982 All	
Ball Bearing .....	306
Seal .....	223608

#### **Rear Output Shaft**

1993-1982 All	
Ball Bearing .....	211
Seal .....	224052

### **CAMSHAFT SEAL**

#### **4 Cylinder**

1993-1983 1997cc/2.0L, 2346cc/2.3L, 2350cc/2.4L	
Repair Sleeve .....	99139
Seal .....	3771
1989-1980 2555cc/2.6L	
Seal .....	222330

#### **6 Cylinder**

1991-1989 2972cc/3.0L	
Repair Sleeve .....	99139
Seal .....	3771

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

1989-1983 1997cc/2.0L, 2346cc/2.3L	
Seal .....	224460
1989-1980 2555cc/2.6L	
Repair Sleeve .....	99189
Seal .....	224840

#### **6 Cylinder**

1991-1990 2972cc/3.0L	
Seal .....	223750

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

1993-1980 1997cc/2.0L, 2346cc/2.3L, 2350cc/2.4L, 2555cc/2.6L	
Seal Viton .....	228005

#### **6 Cylinder**

1991-1990 2972cc/3.0L	
Seal Viton .....	229005

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1/2 TON - A100 PICKUP / VAN, B100, B150, B1500 VANS, D100, D150 PICKUP, Dakota, Durango, Ram 1500 PICKUP, Ram 1500 VAN, Ramcharger, W100, W150 PICKUP, WM300 Power Wagon PICKUP</b>					

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2009-2004	Durango (4 Whl. ABS)	
	Hub Assembly .....	513207
2007-2006	RAM 1500 (Exc. SRT)	
	Hub Assembly .....	515073
2007-2005	Dakota (4 Whl. ABS)	
	Hub Assembly .....	513229
2007-2005	Dakota (Rr. Whl. ABS)	
	Hub Assembly .....	513228
2007-2002	RAM 1500 Ser. (Rr. Whl. ABS)	
	Hub Assembly .....	515072
2005-2002	RAM 1500 Ser. (4 Whl. ABS)	
	Hub Assembly .....	515073
2004-1997	Dakota (4 Whl. ABS)	
	Hub Assembly .....	515033
2004-1997	Dakota (Rr. Whl. ABS)	
	Hub Assembly .....	515032
2003-1998	B150, B1500	
	Seal ; Inner .....	3087
	Cup/Cone; Outer .....	A16
2003-1998	Durango (4 Whl. ABS)	
	Hub Assembly .....	515033
2003-1998	Durango (Rr. Whl. ABS)	
	Hub Assembly .....	515032
2001-2000	R1500 Ser.	
	Hub Assembly .....	515084
1999-1994	R1500 Ser.	
	Seal ; Inner .....	4739
	Cup/Cone; Inner .....	A5
	Cup/Cone; Outer .....	A3
1997-1994	B150, B1500	
	Seal ; Inner .....	3087
	Cup/Cone; Outer .....	A16
1996-1987	Dakota	
	Seal ; Inner .....	3087
	Cup/Cone; Inner .....	A18
	Cup/Cone; Outer .....	A16
1993-1984	(5 Stud)	
	Seal ; Inner .....	3087
	Cup/Cone; Inner .....	A18
	Cup/Cone; Outer .....	A16
1993-1984	(8 Stud)	
	Cone/Cup ; Outer .....	15101-15245
	Seal ; Inner .....	493291
	Cup/Cone; Inner .....	A35
1983-1980	(5 Stud)	
	Seal ; Inner .....	5121
	Cup/Cone; Inner .....	A17
	Cup/Cone; Outer .....	A16

<b>FRONT WHEEL(cont)</b>		
<b>2WD(cont)</b>		
1983-1980	(8 Stud)	
	Seal ; Inner .....	3087
	Cup/Cone; Inner .....	A18
	Cup/Cone; Outer .....	A16
<b>4WD/AWD</b>		
2009-2004	Durango (4 Whl. ABS)	
	Hub Assembly .....	513207
2007-2005	Dakota (4 Whl. ABS)	
	Hub Assembly .....	513229
2007-2005	Dakota (Rr. Whl. ABS)	
	Hub Assembly .....	513228
2007-2003	RAM 1500 Ser. (Rr. Whl. ABS)	
	Hub Assembly .....	515072
2007-2002	RAM 1500 Ser. (4 Whl. ABS)	
	Hub Assembly .....	515073
2004-1997	Dakota (4 Whl. ABS)	
	Hub Assembly; RH .....	515009
	Hub Assembly; LH .....	515008
2004-1997	Dakota (Rr. Whl. ABS)	
	Hub Assembly .....	515007
2003-1998	Durango (4 Whl. ABS)	
	Hub Assembly; RH .....	515009
	Hub Assembly; LH .....	515008
2003-1998	Durango (Rr. Whl. ABS)	
	Hub Assembly .....	515007
2002-2000	RAM 1500 Ser. (Rr. Whl. ABS)	
	Hub Assembly .....	515038
2001-2000	RAM 1500 Ser. (4 Whl. ABS)	
	Hub Assembly .....	515039
1999-1997	R1500 Ser. (4 Whl. ABS) (5 Stud)	
	Hub Assembly; RH .....	515023
	Hub Assembly; LH .....	515049
1999-1994	R1500 Ser. (Rr. Whl. ABS)	
	Hub Assembly .....	515006
1996-1990	Dakota (6 Stud)	
	Hub Assembly .....	513109
1993-1986	100/150 Ser. (Locking Hub)	
	Cone/Cup ; Inner .....	LM104949-JLM104910
	Seal ; Inner .....	4250
	Cup/Cone; Outer .....	A35
1990-1987	Dakota (5 Stud)	
	Hub Assembly .....	513082
1985-1980	(Exc. Locking Hub)	
	Cone/Cup ; Inner .....	LM104949-JLM104910
	Seal ; Inner .....	413248
	Cup/Cone; Outer .....	A35
1985-1980	(Locking Hub)	
	Cone/Cup ; Inner .....	LM104949-JLM104910
	Seal ; Inner .....	471271
	Cup/Cone; Outer .....	A35

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1/2 TON - A100 PICKUP / VAN, B100, B150, B1500 VANS, D100, D150 PICKUP, Dakota, Durango, Ram 1500 PICKUP, Ram 1500 VAN, Ramcharger, W100, W150 PICKUP, WM300 Power Wagon PICKUP (cont.)</b>					

## REAR WHEEL

<b>2007-1987</b>	<b>Dakota</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2007-1980</b>	<b>Ram 1500 (Exc. H/D)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2006-2004</b>	<b>Durango</b>	
Cyl. Bearing .....		6410
<b>2003-1998</b>	<b>Durango</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2002-1984</b>	<b>(H/D Axle)</b>	
Seal .....		710067
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>

## 4WD FRONT AXLE

### Differential

<b>2007-2000</b>	<b>(Dana/Spicer M205 Axle)</b>	
Cone/Cup .....		LM102949-LM102911
<b>2005-2002</b>	<b>(Dana/Spicer C205 Axle)</b>	
Cone/Cup .....		LM102949-LM102911
<b>2001-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....		25590-25523
<b>1999-1998</b>	<b>(Dana/Spicer 35 Axle)</b>	
Cone/Cup .....		LM501349-LM501314

### Pinion

<b>2007-2000</b>	<b>(Dana/Spicer M205 Axle)</b>	
Seal Viton .....		714675
Cone/Cup ; Outer .....		M88048-M88010
<b>2003-2002</b>	<b>(8.25" R.G.)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		
Cone/Cup ; Inner .....		
<b>2001-1994</b>	<b>(Dana/Spicer 44 Axle)</b>	
Seal Viton .....		5778V
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		HM88649-HM88610
<b>1999-1998</b>	<b>(Dana/Spicer 35 Axle)</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88648-HM88610

## 4WD FRONT AXLE(cont)

### Pinion(cont)

<b>1996-1986</b>	<b>Dakota (7.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88649-HM88610
<b>1993-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Seal Viton .....		5778V
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31594-31520

### Axle Shaft

<b>2001-1994</b>	<b>(Dana/Spicer 44-3F Axle)</b>	
Seal ; RH .....		710241
Seal ; LH .....		5131
<b>1998-1997</b>	<b>(Dana/Spicer 35IFS Axle)</b>	
Seal .....		4857
Cyl. Bearing .....		5707
<b>1997-1980</b>	<b>(Dana/Spicer 44F-BJ Axle)</b>	
Seal .....		5131
Wheel Brg .....		A9
<b>1996-1986</b>	<b>(7.25" R.G.)</b>	
Cyl. Bearing .....		5707

### Spindle

<b>1997-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Seal ; Inner .....		722108
Seal ; Outer .....		722109

### Intermediate Shaft

<b>1993-1988</b>	<b>(Spicer 44 Ser.) (Inter. shaft)</b>	
Seal .....		710241
<b>1987-1983</b>	<b>(Spicer 44 Ser.) (Inter. shaft)</b>	
Seal .....		473814

## REAR AXLE

### Differential

<b>2007-1980</b>	<b>(8.25", 8.375" R.G.)</b>	
Cup/Cone .....		A36
<b>2007-1980</b>	<b>(9.25" R.G.)</b>	
Cone/Cup .....		JLM704649-JLM704610
<b>2003-1987</b>	<b>Dakota (8.25", 8.375" R.G.)</b>	
Cup/Cone .....		A36
<b>1996-1987</b>	<b>Dakota (7.25" R.G.)</b>	
Cup/Cone .....		A35

### Pinion

<b>2007-2000</b>	<b>(8.25" R.G.)</b>	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M802048-M802011
<b>2007-1997</b>	<b>(9.25" R.G.)</b>	
Seal .....		5126
Cone/Cup ; Outer .....		M88048-M88010

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1/2 TON - A100 PICKUP / VAN, B100, B150, B1500 VANS, D100, D150 PICKUP, Dakota, Durango, Ram 1500 PICKUP, Ram 1500 VAN, Ramcharger, W100, W150 PICKUP, WM300 Power Wagon PICKUP (cont.)</b>					

<b>REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
<b>2003-1987</b>	<b>Dakota (8.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1999-1980</b>	<b>(8.25", 8.375" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1998-1987</b>	<b>Dakota (7.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	
<b>1996-1980</b>	<b>(9.25" R.G.)</b>	
Seal .....		5126
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M804048-M804010	

<b>DRIVESHAFT SUPPORT</b>		
<b>2001-1980</b>	<b>(1.378" 35mm Brg. I.D.)</b>	
Ball Bearing .....		88107

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
<b>2001-1992</b>	<b>6 Cyl</b>	
Needle Bearing .....		SCE1295
<b>2001-1992</b>	<b>6 Cyl</b>	
Needle Bearing .....		FC69907 <sup>92</sup>
<b>2001-1992</b>	<b>8 Cyl</b>	
Needle Bearing .....		SCE1295
<b>1991-1968</b>	<b>6 Cyl</b>	
Bushing .....		PB286HD
<b>1991-1968</b>	<b>8 Cyl</b>	
Bushing .....		PB286HD
<b>Release Bearing</b>		
<b>1998-1994</b>	<b>4 Cyl</b>	
Bearing Assembly .....		614093
<b>1998-1994</b>	<b>8 Cyl</b>	
Bearing Assembly .....		614093
<b>1998-1992</b>	<b>6 Cyl</b>	
Bearing Assembly .....		614093
<b>1993-1992</b>	<b>w/o Diesel</b>	
Bearing Assembly .....		614093
<b>1993-1988</b>	<b>Diesel</b>	
Bearing Assembly .....		614070
<b>1991-1988</b>	<b>Dakota</b>	
Bearing Assembly .....		614054
<b>1991-1968</b>	<b>100/150 Series w/ Hydraulic Clutch</b>	
Bearing Assembly .....		614054

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>2000-1987</b>	<b>(A727, 36RH)</b>	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
<b>2000-1987</b>	<b>(A998, A999, 31RH, 32RH)</b>	
Ball Bearing .....		2506
Seal .....		
<b>1986-1980</b>	<b>(A727) (booted)</b>	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
<b>1986-1980</b>	<b>(A727) (w/o boot)</b>	
Ball Bearing .....		206-1
Seal .....		8160S
<b>1986-1980</b>	<b>(A904) (2WD)</b>	
Ball Bearing .....		2506
Seal .....		
<b>1986-1980</b>	<b>(A904) (4WD)</b>	
Ball Bearing .....		710058
Seal .....		
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>2000-1980</b>	<b>All</b>	
Seal .....		8609
<b>Torque Converter</b>		
<b>2000-1980</b>	<b>(A727, 36RH)</b>	
Seal .....		331227H
<b>2000-1980</b>	<b>(A904, A998, A999, 31RH, 32RH)</b>	
Repair Sleeve .....		99149
Seal .....		331228H
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>2002-1990</b>	<b>(2WD)</b>	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
<b>2002-1990</b>	<b>(4WD)</b>	
Ball Bearing .....		207XLO
Seal .....		710058
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>2002-1990</b>	<b>All</b>	
Seal .....		8609
<b>Torque Converter</b>		
<b>2002-1990</b>	<b>(A500, 42RH, 46RE)</b>	
Repair Sleeve .....		99149
Seal .....		331228H
<b>2002-1990</b>	<b>(A518, 46RH)</b>	
Seal .....		331227H

<sup>92</sup> Opt. Needle Brg & Sleeve Kit

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1/2 TON - A100 PICKUP / VAN, B100, B150, B1500 VANS, D100, D150 PICKUP, Dakota, Durango, Ram 1500 PICKUP, Ram 1500 VAN, Ramcharger, W100, W150 PICKUP, WM300 Power Wagon PICKUP (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1981-1980 (New Process A230) (18 spline)	
Seal .....	9376
1981-1980 (New Process A230) (20 spline)	
Ball Bearing .....	308LOE
Seal .....	9376
1980 (Tremec)	
Ball Bearing .....	482208
Seal .....	

### Rear Output Shaft

1981-1980 (New Process A230) (23 spline)	
Ball Bearing .....	307L
Seal .....	8160S
1981-1980 (New Process A230) (26 spline)	
Seal .....	2506
1981-1980 (New Process A230) (30 spline)	
Ball Bearing .....	308LOE
Seal .....	7300S
Seal Kit .....	5206
1980 (Tremec)	
Ball Bearing .....	207L
Seal .....	7300S
Seal Kit .....	5206

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1993-1988 (New Process 435)	
Ball Bearing .....	308L
Seal .....	9376
1990-1980 (New Process A833)	
Ball Bearing .....	308LOE
Seal .....	9376
1987-1980 (New Process 435, 445)	
Cone/Cup .....	HM88649-HM88610
Seal .....	482163N

### Rear Output Shaft

1993-1988 (New Process 435)	
Ball Bearing .....	308L
Seal .....	8160S
1990-1980 (New Process A833)	
Ball Bearing .....	308LOE
Seal .....	7300S
Seal Kit .....	5206
1987-1980 (New Process 435)	
Ball Bearing .....	1308L
Seal .....	8160S
1981-1980 (New Process 445)	
Cone/Cup .....	A7
Seal .....	8160S

## 5-SPEED MANUAL TRANSMISSION

### Extension Housing

1993-1988 (New Process A536, 2500)	
Ball Bearing .....	1207L

## 5-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft

2003-1994 (New Process 3500)	
Ball Bearing .....	307FFL5
Repair Sleeve .....	99138
Seal .....	4529N
2003-1992 (New Process 4500)	
Repair Sleeve .....	714655
Seal .....	
1993-1992 (Aisin)	
Seal .....	223253
1993-1988 (New Process A536, 2500)	
Ball Bearing .....	9376
Seal .....	

### Rear Output Shaft

2003-1994 (New Process 3500) (4WD)	
Ball Bearing .....	4532N
Seal .....	
2003-1994 (New Process 4500) (2WD)	
Cone/Cup .....	M804049-M804010
Seal .....	2465
2002-1992 (New Process 4500) (4WD)	
Cone/Cup .....	M804049-M804010
Seal .....	710058
1993-1992 (Aisin) (2WD)	
Seal .....	710198
1993-1992 (Aisin) (4WD)	
Seal .....	1209
1993-1992 (New Process 4500) (2WD)	
Cone/Cup .....	M804049-M804010
Seal .....	7300S
1993-1988 (New Process A536, 2500) (2WD)	
Ball Bearing .....	208
Seal .....	2506
1993-1988 (New Process A536, 2500) (4WD)	
Ball Bearing .....	208
Seal .....	710058

### Countershaft

1993-1988 (New Process A536, 2500)	
Cone/Cup ; Frt .....	A2
Cup/Cone; Rr .....	

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

1987-1980 (New Process 205)	
Seal .....	2287

### Input Shaft

2005-1994 (New Process 231, 241)	
Ball Bearing .....	110L
Repair Sleeve .....	99193
Seal .....	3173

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1/2 TON - A100 PICKUP / VAN, B100, B150, B1500 VANS, D100, D150 PICKUP, Dakota, Durango, Ram 1500 PICKUP, Ram 1500 VAN, Ramcharger, W100, W150 PICKUP, WM300 Power Wagon PICKUP (cont.)</b>					

<b>TRANSFER CASE(cont)</b>		
<b>Input Shaft(cont)</b>		
1993-1988 (New Process 241)		
Ball Bearing .....	N5210KLB	
Repair Sleeve .....	99193	
Seal .....	3173	
1987-1980 (New Process 205)		
Ball Bearing .....	1307L	
Seal .....	473468	
1987-1980 (New Process 208)		
Repair Sleeve .....	99193	
Seal .....	3173	
<b>Front Output Shaft</b>		
2005-2002 (New Process 241)		
Ball Bearing .....	207XLO	
Repair Sleeve .....	99187	
Seal .....	3946	
2001-1997 (New Process 231)		
Ball Bearing .....	206	
1996-1994 (New Process 231)		
Ball Bearing .....	206	
Repair Sleeve .....	99155	
Seal .....	710046	
1993-1988 (New Process 241)		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
1987-1980 (New Process 205)		
Ball Bearing .....	307L	
Seal .....	710005	
1987-1980 (New Process 208)		
Repair Sleeve .....	99187	
Seal .....	3946	
<b>Rear Output Shaft</b>		
2005-2002 All		
Ball Bearing .....	207XLO	
Seal .....	4333N	
2001-1994 (New Process 231)		
Ball Bearing .....	207	
Seal .....	4333N	
1993-1988 (New Process 241)		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
1987-1980 (New Process 205)		
Ball Bearing .....	307L	
Seal .....	473468	
1987-1980 (New Process 208)		
Ball Bearing .....	1207L	
Repair Sleeve .....	99187	
Seal .....	3946	

<b>TRANSFER CASE(cont)</b>		
<b>Oil Pump Housing</b>		
2002-1980 (New Process 208, 231, 241)		
Repair Sleeve .....		99225
Seal .....		341022
<b>Idler Shaft</b>		
1987-1986 (New Process 205)		
Cone/Cup .....		2793-2720
<b>ALTERNATOR</b>		
1987-1980 (31, 41, 50, 53, 60, 65, 78 Amp.)		
Needle Bearing; Rear End .....		MNJ471S
1987-1980 31, 41, 50, 53, 60, 65, 78 Amp.		
Ball Bearing ; Drive End .....		203FF
1987-1980 86, 100, 114 Amp.		
Ball Bearing ; Drive End .....		303SS
<b>A/C COMPRESSOR</b>		
1993-1980 (Nippondenso)		
Ball Bearing .....		5000KFF
1983-1980 Chrysler / Airtemp		
Ball Bearing .....		5206DD
<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
1993-1980 All		
Seal .....		7013S
<b>MANUAL STEERING</b>		
<b>Worm Shaft</b>		
1989-1980 (Saginaw design)		
Ball Bearing .....		8537
Seal .....		323138
<b>Sector Shaft</b>		
1989-1980 (Saginaw design)		
Seal .....		323126
1987-1980 Chrysler design		
Seal .....		6859S
<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
1995-1989 153/2.5L		
Repair Sleeve .....		99139
Seal .....		3655
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2003-1992 239/3.9L		
Seal Viton .....		713103
1991-1987 239/3.9L		
Seal .....		3103
<b>8 Cylinder</b>		
2003-1992 318/5.2L, 360/5.9L		
Seal Viton .....		713103

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1/2 TON - A100 PICKUP / VAN, B100, B150, B1500 VANS, D100, D150 PICKUP, Dakota, Durango, Ram 1500 PICKUP, Ram 1500 VAN, Ramcharger, W100, W150 PICKUP, WM300 Power Wagon PICKUP (cont.)</b>					

## CRANKSHAFT FRONT SEAL(cont)

**8 Cylinder(cont)**  
 1991-1980 318/5.2L, 360/5.9L  
 Seal ..... 3103

**10 Cylinder**  
 2005-2004 505/8.3L  
 Seal Viton ..... 471424V

## CRANKSHAFT REAR SEAL

**4 Cylinder**  
 2002-1996 153/2.5L  
 Seal Viton ..... 716445

**6 Cylinder**  
 2006-2002 226/3.7L  
 Seal ..... 231004  
 2003-1987 239/3.9L  
 Seal ..... 5414

## CRANKSHAFT REAR SEAL(cont)

**6 Cylinder(cont)**  
 1987-1980 225/3.7L  
 Seal ..... 5650

**8 Cylinder**  
 2004-2000 287/4.7L  
 Seal ..... 231004

2003-1990 360/5.9L  
 Seal Split ..... 5106  
 2003-1980 318/5.2L  
 Seal ..... 5414

<b>DODGE TRUCK &amp; VAN- 3/4 TON - Pickup, Power Wagon, Van, 200, 250 Series, 2500 Series, Sprinter 2500</b>					
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## FRONT WHEEL

### 2WD

2008-2003 RAM 2500 PICKUP  
 Hub Assembly ..... 515089

2007-2004 Sprinter 2500  
 Cone/Cup ; Outer ..... 32305  
 Cone/Cup; Inner ..... A35

2003-1999 B2500 (3500 lb. Axle)  
 Seal ; Inner ..... 3087  
 Cup/Cone; Outer ..... A16

2003-1999 B2500 (4000 lb. Axle) (8 Stud)  
 Seal ; Inner ..... 493291

1999-1994 R2500 (4000 lb. Axle) (8 Stud)  
 Cone/Cup ..... 15101-15245  
 Seal ; Inner ..... 4740  
 Cup/Cone; Inner ..... A35

1994 B2500 (3500 lb. Axle)  
 Seal ; Inner ..... 3087  
 Cup/Cone; Outer ..... A16

1994 B2500 (4000 lb. Axle) (8 Stud)  
 Cone/Cup ; Outer ..... 15101-15245  
 Seal ; Inner ..... 493291  
 Cup/Cone; Inner ..... A35

## FRONT WHEEL(cont)

### 2WD(cont)

1993-1984 (3300 lb. Axle) (5 Stud)  
 Seal ; Inner ..... 3087  
 Cup/Cone; Inner ..... A18  
 Cup/Cone; Outer ..... A16

1993-1984 (3700 lb. Axle) (8 Stud)  
 Cone/Cup ; Outer ..... 15101-15245  
 Seal ; Inner ..... 493291  
 Cup/Cone; Inner ..... A35

1983-1980 (3300 lb. Axle) (5 Stud)  
 Seal ; Inner ..... 5121  
 Cup/Cone; Inner ..... A17  
 Cup/Cone; Outer ..... A16

1983-1980 (3800 & 4000 lb. Axle) (8 Stud)  
 Cone/Cup ; Outer ..... 15101-15245  
 Seal ; Inner ..... 493291  
 Cup/Cone; Inner ..... A35

1981-1980 (3600 lb. Axle) (8 Stud)  
 Seal ; Inner ..... 3087  
 Cup/Cone; Inner ..... A18  
 Cup/Cone; Outer ..... A16

### 4WD/AWD

2006-2003 Ram 2500 Pickup (SRW) (8 Stud) (ABS)  
 Hub Assembly ..... 515061

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 3/4 TON - Pickup, Power Wagon, Van, 200, 250 Series, 2500 Series, Sprinter 2500 (cont.)</b>					

## FRONT WHEEL(cont)

### 4WD/AWD(cont)

<b>2002-2000</b>	<b>Ram 2500 (4 Whl. ABS)</b>	
	Hub Assembly .....	515063
<b>2002-2000</b>	<b>Ram 2500 (Rr. Whl. ABS)</b>	
	Hub Assembly .....	515062
<b>1999-1998</b>	<b>Ram 2500 Pickup (SRW) (8 Stud) (ABS)</b>	
	Hub Assembly; RH .....	515035
	Hub Assembly; LH .....	515034
<b>1999-1994</b>	<b>Ram 2500 Pickup (7500 G.V.W.) (Exc. Rotor)</b>	
	Hub Assembly; Speed Sens ..... on CV .....	515011
<b>1997-1994</b>	<b>Ram 2500 Pickup (H/D 8800 G.V.W.) (Exc. Rotor)</b>	
	Hub Assembly; Speed Sens ..... on CV .....	515012
<b>1993-1986</b>	<b>(Dana/Spicer 44F-BJ Axle)</b>	
	Cone/Cup ; Inner .....	LM104949-JLM104910
	Seal ; Inner .....	4250
	Cup/Cone; Outer .....	A35
<b>1993-1980</b>	<b>(Dana/Spicer 60F Axle)</b>	
	Cone/Cup ; Inner .....	387A-382A
	Seal ; Inner .....	415009
	Cup/Cone; Outer .....	A38
<b>1985-1980</b>	<b>(Dana/Spicer 44F-BJ Axle)</b>	
	Cone/Cup ; Inner .....	LM104949-JLM104910
	Seal ; Inner .....	413248
	Seal ; Inner .....	471271
	Cup/Cone; Outer .....	A35

## REAR WHEEL

<b>2007-2003</b>	<b>Ram 2500 Pickup, Mega Cab</b>	
	Cone/Cup ; Inner .....	HD213
	Cup/Cone; Outer .....	A38
<b>2007-2003</b>	<b>Sprinter 2500 (DRW)</b>	
	Cone/Cup ; Outer .....	32210
	Cone/Cup ; Inner .....	32011X
<b>2003-2002</b>	<b>B2500 (9.25" R.G.) (H/D Axle)</b>	
	Seal .....	710067
	Cyl. Bearing .....	R1561TV
	Optional Repair Bearing .....	RP1561FO <sup>91</sup>
<b>2003-1999</b>	<b>B2500 (8.25" R.G.) (9.25" R.G.) (Exc. H/D Axle)</b>	
	Seal .....	8835S
	Cyl. Bearing .....	6408
	Optional Repair Bearing .....	RP6408 <sup>91</sup>
<b>2002-1994</b>	<b>R2500 (Spicer 60 Axle) (13x2.5" Brks.)</b>	
	Cone/Cup ; Inner .....	HD213
	Seal ; Inner .....	417158
	Cup/Cone; Outer .....	A38

## REAR WHEEL(cont)

<b>2001-1994</b>	<b>R2500 (Spicer 80) (13x3.5" Brks.)</b>	
	Cone/Cup ; Outer .....	JLM506849-JLM506810
	Cone/Cup ; Inner .....	39585-39520
	Seal ; Inner .....	4250
<b>2001-1984</b>	<b>(9.25" R.G.) (H/D Axle)</b>	
	Seal .....	710067
	Cyl. Bearing .....	R1561TV
	Optional Repair Bearing .....	RP1561FO <sup>91</sup>
<b>2001-1980</b>	<b>D200/250, W200/250 (9.25" R.G.) (Exc. H/D Axle)</b>	
	Seal .....	8835S
	Cyl. Bearing .....	6408
	Optional Repair Bearing .....	RP6408 <sup>91</sup>
<b>1994-1980</b>	<b>B200/250 (8.25", 8.375" R.G.)</b>	
	Seal .....	8835S
	Cyl. Bearing .....	6408
	Optional Repair Bearing .....	RP6408 <sup>91</sup>
<b>1993-1981</b>	<b>D250, W250 (Spicer 70) (12x3" Brks.) (9000 GVW)</b>	
	Cone/Cup ; Inner .....	HD213
	Seal ; Inner .....	417158
	Cup/Cone; Outer .....	A38
<b>1993-1980</b>	<b>D200/250, W200/250 (Spicer 60) (12x2.5" Brks.)</b>	
	Seal ; Inner .....	4250
	Cup/Cone; Inner .....	A38
	Cup/Cone; Outer .....	A38
<b>1993-1980</b>	<b>D200/250, W200/250 (Spicer 60H/D, 70, 71) (12x3" Brks.) (Exc. 9000 GVW)</b>	
	Cone/Cup ; Inner .....	45291-45220
	Seal ; Inner .....	455086
	Cup/Cone; Outer .....	A38
<b>1980</b>	<b>D200, W200 (Spicer 70H/D) (12x3" Brks.) (9000 GVW)</b>	
	Cone/Cup ; Inner .....	HD213
	Seal ; Inner .....	417158
	Cup/Cone; Outer .....	A38

## 4WD FRONT AXLE

### Differential

<b>2005-2003</b>	<b>(9.25" R.G.)</b>	
	Cup/Cone .....	A42
<b>2002-1980</b>	<b>(Dana/Spicer 60F, 70F Axles)</b>	
	Cone/Cup .....	387A-382S
<b>1997-1980</b>	<b>(Dana/Spicer 44-3CF, 44-3CFHD, 44F-BJ Axles)</b>	
	Cone/Cup .....	25590-25523

### Pinion

<b>2005-2003</b>	<b>(9.25" R.G.)</b>	
	Cone/Cup ; Outer .....	HM88649-HM88610
	Cone/Cup ; Inner .....	HM804846-HM804810

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 3/4 TON - Pickup, Power Wagon, Van, 200, 250 Series, 2500 Series, Sprinter 2500 (cont.)</b>					

## 4WD FRONT AXLE(cont)

### Pinion(cont)

<b>2002-1980 (Dana/Spicer 60F Axle)</b>	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM803146-HM803110
<b>1998-1994 (Dana/Spicer 44-3F Axle)</b>	
Seal Viton .....	5778V
Cone/Cup ; Outer .....	02872-02820
Cone/Cup ; Inner .....	HM88649-HM88610
<b>1998-1980 (Dana/Spicer 44F-BJ Axle)</b>	
Seal Viton .....	5778V
Cone/Cup ; Outer .....	02872-02820
Cone/Cup ; Inner .....	31594-31520

### Axle Shaft

<b>1998-1994 (Dana/Spicer 44-3F Axle)</b>	
Seal ; RH .....	710241
Seal ; LH .....	5131
<b>1993-1985 (Dana/Spicer 44F-BJ Axle)</b>	
Seal .....	5131
Wheel Brg .....	A9
<b>1984-1980 (Dana/Spicer 44F-BJ Axle)</b>	
Seal .....	5131

### Spindle

<b>1998-1980 (Dana/Spicer 44F-BJ Axle)</b>	
Seal ; Inner .....	722108
Seal ; Outer .....	722109
<b>1993-1986 (Dana/Spicer 60F Axle)</b>	
Seal ; Inner .....	710044
Seal ; Outer .....	710045
<b>1985-1980 (Dana/Spicer 60F Axle)</b>	
Seal .....	41461S

### Steering Knuckle

<b>1993-1980 (Spicer 44 3CFHD, 60F axle)</b>	
Seal ; Upper .....	710304
Seal ; Lower .....	23100-23256
Cone/Cup ; Upper .....	23100-23256
Cone/Cup ; Lower .....	

### Intermediate Shaft

<b>1993-1988 (Spicer 44FBJ)</b>	
Seal .....	710241
<b>1987-1983 (Spicer 44FBJ)</b>	
Seal .....	473814

## REAR AXLE

### Differential

<b>2005-2003 (10.5" R.G.)</b>	
Cone/Cup .....	387AS-382A
<b>2005-2003 (11.5" R.G.)</b>	
Cone/Cup .....	3984-3920
<b>2003-1986 (8.25" R.G.)</b>	
Cup/Cone .....	A36

## REAR AXLE(cont)

### Differential(cont)

<b>2003-1980 (9.25" R.G.)</b>	
Cone/Cup .....	JLM704649-JLM704610
<b>2003-1980 (Dana/Spicer 60, 60HD, 70, 70U, 71 Axles)</b>	
Cone/Cup .....	387A-382S
<b>2002-1994 (Dana/Spicer 80 Axle)</b>	
Cone/Cup .....	469-453X
<b>1998-1980 (8.375" R.G.)</b>	
Cup/Cone .....	A36

### Pinion

<b>2005-2003 (10.5" R.G.)</b>	
Seal .....	710508
<b>2005-2003 (11.5" R.G.)</b>	
Seal .....	710508
Cone/Cup ; Inner .....	HM807046-HM807010
<b>2003-2000 (9.25" R.G.)</b>	
Cone/Cup ; Outer .....	M88048-M88010
<b>2003-1986 (8.25" R.G.)</b>	
Repair Sleeve .....	99168
Seal .....	8516N
Cone/Cup ; Outer .....	M86649-M86610
Cone/Cup ; Inner .....	M802048-M802011
<b>2003-1980 (Dana/Spicer 60, 60HD Axles)</b>	
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM803146-HM803110
Seal ; Outer .....	9316
Repair Sleeve ; Outer .....	99187
<b>2002-1994 (Dana/Spicer 80 Axle)</b>	
Seal Viton .....	4525V
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	HM807046-HM807010
<b>2002-1984 (Dana/Spicer 70U, 71 Axles)</b>	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	
<b>1999-1980 (9.25" R.G.)</b>	
Seal .....	5126
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M804049-M804010
<b>1998-1980 (8.375" R.G.)</b>	
Repair Sleeve .....	99168
Seal .....	8516N
Cone/Cup ; Outer .....	M86649-M86610
Cone/Cup ; Inner .....	M802048-M802011
<b>1986-1984 (Dana/Spicer 70 Axle) (5380, 7270 Companion Yokes)</b>	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM807040-HM807010

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 3/4 TON - Pickup, Power Wagon, Van, 200, 250 Series, 2500 Series, Sprinter 2500 (cont.)</b>					

## DRIVESHAFT SUPPORT

2002-1994	(Spicer 1410 & Cleveland 055) (1.5748" B I.D, 2.284" Height)	
Hanger Bearing .....		HB88508AB
2002-1994	(Spicer 1410) (1.5748" Brg I.D, 3.248" Height)	
Hanger Bearing .....		HB88108D
2001-1980	(Spicer 1280, 1310) (1.3780" Brg.I.D.)	
Hanger Bearing .....		HB88107A
Hanger Brg, Opt. w/ Slinger .....		HB88107B

## CLUTCH

### Pilot Bearing

2008-1992	8 Cyl 318ci/5.2L, 345ci/5.7L, 360ci/5.9L	
Needle Bearing .....		FC69907 <sup>92</sup>
2008-1992	8 Cyl 318ci/5.2L, 345ci/5.7L, 360ci/5.9L	
Needle Bearing .....		SCE1295
2003-1994	10 Cyl 488ci/8.0L	
Needle Bearing .....		SCE1211
1999-1994	6 Cyl 359ci/5.9L Turbo Diesel	
Needle Bearing .....		SCE1211
1993-1992	6 Cyl 239ci/3.9L	
Needle Bearing .....		SCE1295
1993-1992	6 Cyl 239ci/3.9L	
Needle Bearing .....		FC69907 <sup>92</sup>
1993-1989	6 Cyl 359ci/5.9L Turbo Diesel	
Bushing .....		PB286HD
1991-1988	6 Cyl 239ci/3.9L	
Bushing .....		PB286HD
1991-1980	8 Cyl 318ci/5.2L, 360ci/5.9L	
Bushing .....		PB286HD
1987-1980	6 Cyl 225ci/3.7L	
Bushing .....		PB286HD

### Release Bearing

2005-1994	6 Cyl 359ci/5.9L Turbo Diesel	
Bearing Assembly .....		614114
2005-1992	8 Cyl 318ci/5.2L, 345ci/5.7L, 360ci/5.9L	
Bearing Assembly .....		614093
2003-1994	10 Cyl 488ci/8.0L	
Bearing Assembly .....		614114
1993-1992	6 Cyl 239ci/3.9L	
Bearing Assembly .....		614093
1993-1989	6 Cyl 359ci/5.9L Turbo Diesel	
Bearing Assembly .....		614070
1991-1988	6 Cyl 239ci/3.9L	
Bearing Assembly .....		614054
1991-1988	8 Cyl 318ci/5.2L, 360ci/5.9L	
Bearing Assembly .....		614054
1987-1981	6 Cyl 225ci/3.7L	
Bearing Assembly .....		614036
1987-1980	8 Cyl 318ci/5.2L, 360ci/5.9L	
Bearing Assembly .....		614036
1982-1981	8 Cyl 360ci/5.9L	
Bearing Assembly .....		614036
1980	6 Cyl 225ci/3.7L, 3988cc/4.0L Diesel	
Bearing Assembly .....		614036

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2000-1987	(A727, 36RH)	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
2000-1987	(A998, A999, 31RH, 32RH)	
Ball Bearing .....		2506
Seal .....		
1986-1980	(A727) (booted)	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
1986-1980	(A727) (w/o boot)	
Ball Bearing .....		206-1
Seal .....		8160S
1986-1980	(A904) (2WD)	
Ball Bearing .....		2506
Seal .....		
1986-1980	(A904) (4WD)	
Ball Bearing .....		710058
Seal .....		

### Selector Shaft Seal/Man. Shaft

2000-1980	All	
Seal .....		8609

### Torque Converter

2000-1980	(A727, 36RH)	
Seal .....		331227H
2000-1980	(A904, A998, A999, 31RH, 32RH)	
Repair Sleeve .....		99149
Seal .....		331228H

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1994	(42RH, 46RE, 46RH, 47RH) (2wd)	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
2002-1994	(42RH, 46RE, 46RH, 47RH) (4WD)	
Ball Bearing .....		207XLO
Seal .....		710058
1993-1990	(A500, A518, 42RH) (2WD)	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
1993-1990	(A500, A518, 42RH) (4WD)	
Ball Bearing .....		207XLO
Seal .....		710058

### Selector Shaft Seal/Man. Shaft

2002-1990	All	
Seal .....		8609

### Torque Converter

2002-1994	(46RH, 47RH)	
Seal .....		331227H

<sup>92</sup> Opt. Needle Brg & Sleeve Kit

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 3/4 TON - Pickup, Power Wagon, Van, 200, 250 Series, 2500 Series, Sprinter 2500 (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter(cont)

2002-1990 (A500, 42RH, 46RE)	
Repair Sleeve .....	99149
Seal .....	331228H
1993-1980 (A518)	
Seal .....	331227H

## 3-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

1981-1980 (New Process)	
Seal .....	7188S

### Front Input Shaft

1981-1980 (New Process A230) (18 spline)	
Seal .....	9376
1981-1980 (New Process A230) (20 spline)	
Ball Bearing .....	308LOE
Seal .....	9376
1980 (Tremec)	
Ball Bearing .....	482208
Seal .....	

### Rear Output Shaft

1981-1980 (New Process A230) (23 spline)	
Ball Bearing .....	307L
Seal .....	8160S
1981-1980 (New Process A230) (26 spline)	
Seal .....	2506
1981-1980 (New Process A230) (30 spline)	
Ball Bearing .....	308LOE
Seal .....	7300S
Seal Kit .....	5206
1980 (Tremec)	
Ball Bearing .....	207L
Seal .....	7300S
Seal Kit .....	5206

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1993-1988 (New Process 435)	
Ball Bearing .....	308L
Seal .....	9376
1990-1980 (New Process A833)	
Ball Bearing .....	308LOE
Seal .....	9376
1987-1980 (New Process 435, 445)	
Cone/Cup .....	HM88649-HM88610
Seal .....	482163N

### Rear Output Shaft

1993-1988 (New Process 435)	
Ball Bearing .....	308L
Seal .....	8160S

## 4-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft(cont)

1990-1980 (New Process A833)	
Ball Bearing .....	308LOE
Seal .....	7300S
Seal Kit .....	5206
1987-1980 (New Process 435)	
Ball Bearing .....	1308L
Seal .....	8160S
1981-1980 (New Process 445)	
Cone/Cup .....	A7
Seal .....	8160S

## 5-SPEED MANUAL TRANSMISSION

### Extension Housing

1993-1988 (New Process 2500)	
Ball Bearing .....	1207L
1993-1988 (New Process A535)	
Ball Bearing .....	207L

### Front Input Shaft

2004-1992 (New Process 4500, 4500HD)	
Repair Sleeve .....	714655
Seal .....	
2000-1994 (New Process 3500)	
Ball Bearing .....	307FFL5
Repair Sleeve .....	99138
Seal .....	4529N
1993-1992 (Aisin)	
Seal .....	223253
1993-1988 (New Process A535, 2500)	
Ball Bearing .....	9376
Seal .....	

### Rear Output Shaft

2004-1994 (New Process 4500) (2WD)	
Cone/Cup .....	M804049-M804010
Seal .....	2465
2003-1994 (New Process 4500HD) (2WD)	
Cone/Cup .....	M804049-M804010
Seal .....	4741
2003-1992 (New Process 4500, 4500HD) (4WD)	
Cone/Cup .....	M804049-M804010
Seal .....	710058
2000-1994 (New Process 3500) (4WD)	
Ball Bearing .....	4532N
Seal .....	
1993-1992 (Aisin) (2WD)	
Seal .....	710198
1993-1992 (Aisin) (4WD)	
Seal .....	1209
1993-1992 (New Process 4500) (2WD)	
Cone/Cup .....	M804049-M804010
Seal .....	7300S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 3/4 TON - Pickup, Power Wagon, Van, 200, 250 Series, 2500 Series, Sprinter 2500 (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

<b>Rear Output Shaft(cont)</b>		
1993-1988	(New Process A536, 2500) (2WD)	
Ball Bearing	.....	208
Seal	.....	2506
1993-1988	(New Process A536, 2500) (4WD)	
Ball Bearing	.....	208
Seal	.....	710058
<b>Countershaft</b>		
1993-1988	(New Process A535, 2500)	
Cone/Cup ; Frt	.....	A2
Cup/Cone; Rr	.....	

## TRANSFER CASE

<b>Selector Shaft Seal/Man. Shaft</b>		
1993-1986	(New Process 205)	
Seal	.....	2287
<b>Input Shaft</b>		
2005-2003	(New Process 271, 273)	
Ball Bearing	.....	211
2002-1993	(New Process 241)	
Ball Bearing	.....	110L
Repair Sleeve	.....	99193
Seal	.....	3173
1992-1988	(New Process 241)	
Ball Bearing	.....	N5210KLB
Repair Sleeve	.....	99193
Seal	.....	3173
1988-1980	(New Process 205)	
Ball Bearing	.....	1307L
Seal	.....	473468
1987-1980	(New Process 208)	
Repair Sleeve	.....	99193
Seal	.....	3173
<b>Front Output Shaft</b>		
2005-2003	(New Process 271, 273)	
Ball Bearing	.....	111
2002-1994	(New Process 241)	
Ball Bearing	.....	207XLO
Repair Sleeve	.....	99187
Seal	.....	3946
1993-1988	(New Process 241)	
Ball Bearing	.....	207
Repair Sleeve	.....	99187
Seal	.....	3946
1993-1986	(New Process 205)	
Ball Bearing	.....	307L
Seal	.....	473313
1987-1980	(New Process 208)	
Repair Sleeve	.....	99187
Seal	.....	3946

## TRANSFER CASE(cont)

<b>Rear Output Shaft</b>		
2002-1994	(New Process 241)	
Ball Bearing	.....	207XLO
Seal	.....	4333N
1993-1988	(New Process 241)	
Ball Bearing	.....	207
Repair Sleeve	.....	99187
Seal	.....	3946
1993-1986	(New Process 205)	
Ball Bearing	.....	307L
Seal	.....	473468
1987-1980	(New Process 208)	
Ball Bearing	.....	1207L
Repair Sleeve	.....	99187
Seal	.....	3946
<b>Oil Pump Housing</b>		
2002-1980	(New Process 208, 241)	
Repair Sleeve	.....	99225
Seal	.....	341022
<b>Idler Shaft</b>		
1993-1986	(New Process 205)	
Cone/Cup	.....	2793-2720

## CRANKSHAFT FRONT SEAL

<b>6 Cylinder</b>		
2006-1989	359/5.9L (Diesel)	
Repair Sleeve	.....	99248
Seal	.....	39803
1994-1992	239/3.9L	
Seal Viton	.....	713103
1991-1988	239/3.9L	
Seal	.....	3103
1987-1980	170/2.8, 198/3.2, 225/3.7	
Seal	.....	3095
<b>8 Cylinder</b>		
2003-1992	318/5.2L, 360/5.9L	
Seal Viton	.....	713103
1991-1980	318/5.2L, 360/5.9L	
Seal	.....	3103
<b>10 Cylinder</b>		
2002-1994	488/8.0L	
Seal Viton	.....	471424V

## CRANKSHAFT REAR SEAL

<b>6 Cylinder</b>		
2006-1989	359/5.9L (Diesel)	
Repair Sleeve	.....	39805
Seal	.....	
1994-1988	239/3.9L	
Seal	.....	5414
1987-1980	225/3.7L	
Seal	.....	5650

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 3/4 TON - Pickup, Power Wagon, Van, 200, 250 Series, 2500 Series, Sprinter 2500 (cont.)</b>					

## CRANKSHAFT REAR SEAL(cont)

### 8 Cylinder

2003-1999	318/5.2L	
Seal	.....	5414
2003-1990	360/5.9L	
Seal Split	.....	5106
1996-1980	318/5.2L	
Seal	.....	5414

## DODGE TRUCK & VAN- 1 TON - Motor Home, M375, Pickup, Van, WD20, WD21, 300, 350 Series, 3500 Series, Sprinter 3500

### FRONT WHEEL

#### 2WD

2008-2003	RAM 3500 PICKUP	
Hub Assembly	.....	515089
2007-2004	Sprinter 3500	
Cone/Cup ; Outer	.....	32305
Cup/Cone; Inner	.....	A35
2003-1998	B3500 (3600 lb. Axle) (8 Stud)	
Seal ; Inner	.....	3087
Cup/Cone; Inner	.....	A18
Cup/Cone; Outer	.....	A16
2003-1998	B3500 (4000 lb. Axle) (8 Stud)	
Seal ; Inner	.....	493291
1999-1994	R3500 (Indp. Frt Axle)	
Cone/Cup ; Outer	.....	15101-15245
Seal ; Inner	.....	4740
Cup/Cone; Inner	.....	A35
1999-1994	R3500 (Solid Frt. Axle) (DRW) (Non-ABS)	
Hub Assembly	.....	515070
1997-1980	(4000 lb. Axle) (8 Stud)	
Cone/Cup ; Outer	.....	15101-15245
Seal ; Inner	.....	493291
Cup/Cone; Inner	.....	A35
1997-1980	B Ser. (3600 lb. Axle) (8 Stud)	
Seal ; Inner	.....	3087
Cup/Cone; Inner	.....	A18
Cup/Cone; Outer	.....	A16
1993-1982	D350 (3300 lb. Axle) (5 Stud)	
Seal ; Inner	.....	3087
Cup/Cone; Inner	.....	A18
Cup/Cone; Outer	.....	A16
1981-1980	B Ser. (3000 lb., 3300 lb. Axle) (5 Stud)	
Seal ; Inner	.....	5121
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A16

#### 4WD/AWD

2006-2004	RAM 3500 PICKUP	
Hub Assembly	.....	515061

### FRONT WHEEL(cont)

#### 4WD/AWD(cont)

2003-2000	RAM 3500 PICKUP	
Hub Assembly	.....	515063
1999-1994	RAM 3500 PICKUP (DRW) (Non-ABS)	
Hub Assembly	.....	515070
1993-1980	(Spicer 60F Axle)	
Cone/Cup ; Inner	.....	387A-382A
Seal ; Inner	.....	415009
Cup/Cone; Outer	.....	A38
1990-1984	(4000 lb. Axle) (8 Stud)	
Cone/Cup ; Outer	.....	15101-15245
Seal ; Inner	.....	493291
Cup/Cone; Inner	.....	A35

### REAR WHEEL

2007-2004	Sprinter 3500 (DRW)	
Cone/Cup ; Outer	.....	32210
Cone/Cup ; Inner	.....	32011X
2007-2003	RAM 3500 PICKUP, Mega Cab(SRW)	
Cone/Cup ; Inner	.....	HD213
Cup/Cone; Outer	.....	A38
2006-2003	R3500 (DRW)	
Cone/Cup ; Inner	.....	45291-45220
Cup/Cone; Outer	.....	A38
2003-1995	B3500 (Dana/Spicer 60) (12"x3"Brks.) (9000 GVW)	
Cone/Cup ; Inner	.....	HD213
Seal ; Inner	.....	417158
Cup/Cone; Outer	.....	A38
2003-1990	B3500 (9.25" R.G.) (Exc. H/DAxle)	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>
2003-1990	B3500 (9.25" R.G.) (H/D Axle)	
Seal	.....	710067
Cyl. Bearing	.....	R1561TV
Optional Repair Bearing	.....	RP1561FO <sup>91</sup>

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1 TON - Motor Home, M375, Pickup, Van, WD20, WD21, 300, 350 Series, 3500 Series, Sprinter 3500 (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>2002-1995</b>	<b>R3500</b>	
Cone/Cup ; Inner .....		45291-45220
Seal ; Inner .....		455086
Cup/Cone; Outer .....		A38
<b>1998-1995</b>	<b>B3500 (Dana/Spicer 60) (12"x2.5" Brks.)</b>	
Seal ; Inner .....		4250
Cup/Cone .....		A38
<b>1994-1980</b>	<b>(Spicer 60 Axle) (12x2.5" Brks.)</b>	
Seal ; Inner .....		4250
Cup/Cone .....		A38
<b>1994-1980</b>	<b>(Spicer 60HD, 70 Axle) (12x3" Brks.)</b>	
Seal .....		417158
Cone/Cup ; Inner .....		45291-45220
Cone/Cup ; Inner .....		HD213
Seal ; Inner .....		455086
Cup/Cone; Outer .....		A38
<b>1989-1984</b>	<b>(9.25" R.G.) (Exc. H/D Axle)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1989-1984</b>	<b>(9.25" R.G.) (H/D Axle)</b>	
Seal .....		710067
Cyl. Bearing .....		R1561TV
<b>1983-1980</b>	<b>(9.25" R.G.)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
<b>2006-2003</b>	<b>(9.25" R.G.)</b>	
Cup/Cone .....		A42
<b>2002-1980</b>	<b>(Dana/Spicer 60F, 70F Axles)</b>	
Cone/Cup .....		387A-382S
<b>Pinion</b>		
<b>2006-2003</b>	<b>(9.25" R.G.)</b>	
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		HM804846-HM804810
<b>2002-1980</b>	<b>(Dana/Spicer 60F Axle)</b>	
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM803146-HM803110
<b>Axle Shaft</b>		
<b>1993-1980</b>	<b>(Dana/Spicer 60F Axle)</b>	
Seal .....		470682
<b>Spindle</b>		
<b>1993-1986</b>	<b>(Dana/Spicer 60F Axle)</b>	
Seal ; Inner .....		710044
Seal ; Outer .....		710045
<b>1985-1980</b>	<b>(Dana/Spicer 60F Axle)</b>	
Seal .....		41461S

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2006-2003</b>	<b>(11.5" R.G.)</b>	
Cone/Cup .....		3984-3920
<b>2003-1980</b>	<b>(9.25" R.G.)</b>	
Cone/Cup .....		JLM704649-JLM704610
<b>2002-1994</b>	<b>(Dana/Spicer 80 Axle)</b>	
Cone/Cup .....		469-453X
<b>2002-1980</b>	<b>(Dana/Spicer 60, 60HD, 70, 70U, 71 Axles)</b>	
Cone/Cup .....		387A-382S
<b>Pinion</b>		
<b>2006-2003</b>	<b>(11.5" R.G.)</b>	
Seal .....		710508
Cone/Cup ; Inner .....		HM807046-HM807010
<b>2003-2000</b>	<b>(9.25" R.G.)</b>	
Cone/Cup ; Outer .....		M88048-M88010
<b>2002-1994</b>	<b>(Dana/Spicer 80 Axle)</b>	
Seal Viton .....		4525V
Cone/Cup ; Outer .....		M802048-M802011
Cone/Cup ; Inner .....		HM807046-HM807010
<b>2002-1980</b>	<b>(Dana/Spicer 60, 60HD Axles)</b>	
Seal Viton .....		719316
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM803146-HM803110
<b>1999-1980</b>	<b>(9.25" R.G.)</b>	
Seal .....		5126
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M804049-M804010
<b>1993-1984</b>	<b>(Dana/Spicer 70U, 71 Axles)</b>	
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		
<b>1986-1980</b>	<b>(Dana/Spicer 70 Axle) (5380, 7270 Companion Yokes)</b>	
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM807040-HM807010
<b>1983-1980</b>	<b>(Dana/Spicer 70 Axle) (7290 Companion Yoke)</b>	
Seal .....		6808N
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM807040-HM807010

<b>DRIVESHAFT SUPPORT</b>		
<b>2002-1994</b>	<b>(Spicer 1410 &amp; Cleveland 055) (1.5748" B I.D, 2.284" Height)</b>	
Hanger Bearing .....		HB88508AB
<b>2002-1994</b>	<b>(Spicer 1410) (1.5748" Brg I.D, 3.248" Height)</b>	
Hanger Bearing .....		HB88108D

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1 TON - Motor Home, M375, Pickup, Van, WD20, WD21, 300, 350 Series, 3500 Series, Sprinter 3500 (cont.)</b>					

## DRIVESHAFT SUPPORT(cont)

1993-1980	(Spicer 1280 1310) (1.3780" Brg. I.D.) (sli yoke style)	
	Hanger Bearing .....	HB88107A
	Hanger Brg. Opt. w/ Slinger .....	HB88107B

## CLUTCH

### Pilot Bearing

2008-1994	6 Cyl 359ci/5.9L Turbo Diesel	
	Needle Bearing .....	SCE1211
2008-1992	8 Cyl 345ci/5.7L, 360ci/5.9L	
	Needle Bearing .....	FC69907 <sup>92</sup>
	Needle Bearing .....	SCE1295
2003-1994	10 Cyl 488ci/8.0L	
	Needle Bearing .....	SCE1211
1993-1989	6 Cyl 359ci/5.9L Turbo Diesel	
	Bushing .....	PB286HD
1991-1980	8 Cyl 318ci/5.2L, 360ci/5.9L	
	Bushing .....	PB286HD
1980	6 Cyl 225ci/3.7L	
	Bushing .....	PB286HD

### Release Bearing

2005-1994	6 Cyl 359ci/5.9L Turbo Diesel	
	Bearing Assembly .....	614114
2005-1992	8 Cyl 345ci/5.7L, 360ci/5.9L	
	Bearing Assembly .....	614093
2003-1994	10 Cyl 488ci/8.0L	
	Bearing Assembly .....	614114
1993-1989	6 Cyl 359ci/5.9L Turbo Diesel	
	Bearing Only .....	2065
1993-1989	6 Cyl 359ci/5.9L Turbo Diesel	
	Bearing Assembly .....	614070
1991-1988	8 Cyl 360ci/5.9L	
	Bearing Assembly .....	614054
1987-1980	8 Cyl 318ci/5.2L, 360ci/5.9L	
	Bearing Assembly .....	614036
1980	6 Cyl 225ci/3.7L	
	Bearing Assembly .....	614036

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1987	(A727, 36RH)	
	Ball Bearing .....	207XLO
	Seal .....	7300S
	Seal Kit .....	5206
2000-1987	(A998, A999, 31RH, 32RH)	
	Ball Bearing .....	2506
	Seal .....	
1986-1980	(A727) (booted)	
	Ball Bearing .....	207XLO
	Seal .....	7300S
	Seal Kit .....	5206
1986-1980	(A727) (w/o boot)	
	Ball Bearing .....	206-1
	Seal .....	8160S

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Rear Seal/Ext. Housing(cont)

1986-1980	(A904) (2WD)	
	Ball Bearing .....	2506
	Seal .....	
1986-1980	(A904) (4WD)	
	Ball Bearing .....	710058
	Seal .....	

### Selector Shaft Seal/Man. Shaft

2000-1980	All	
	Seal .....	8609

### Torque Converter

2002-1980	(A727, 36RH)	
	Seal .....	331227H
2000-1980	(A904, A998, A999, 31RH, 32RH)	
	Repair Sleeve .....	99149
	Seal .....	331228H

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1990	(A500, A518, 46RE, 46RH, 47RH) (2 WD)	
	Ball Bearing .....	207XLO
	Seal .....	7300S
	Seal Kit .....	5206
2002-1990	(A500, A518, 46RE, 46RH, 47RH) (4 WD)	
	Ball Bearing .....	207XLO
	Seal .....	710058

### Selector Shaft Seal/Man. Shaft

2002-1990	(A500, A518, 46RE, 46RH, 47RH)	
	Seal .....	8609

### Torque Converter

2002-1990	(A500, 46RE)	
	Repair Sleeve .....	99149
	Seal .....	331228H
2002-1990	(A518, 46RH, 47RH)	
	Seal .....	331227H

## 3-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1981-1980	(New Process A230) (18 spline)	
	Seal .....	9376
1981-1980	(New Process A230) (20 spline)	
	Ball Bearing .....	308LOE
	Seal .....	9376
1980	(Tremec)	
	Ball Bearing .....	482208
	Seal .....	

### Rear Output Shaft

1981-1980	(New Process A230) (23 spline)	
	Ball Bearing .....	307L
	Seal .....	8160S

<sup>92</sup> Opt. Needle Brg & Sleeve Kit

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1 TON - Motor Home, M375, Pickup, Van, WD20, WD21, 300, 350 Series, 3500 Series, Sprinter 3500 (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION(cont)

<b>Rear Output Shaft(cont)</b>	
1981-1980 (New Process A230) (26 spline)	
Seal .....	2506
1981-1980 (New Process A230) (30 spline)	
Ball Bearing .....	308LOE
Seal .....	7300S
Seal Kit .....	5206
1980 (Tremec)	
Ball Bearing .....	207L
Seal .....	7300S
Seal Kit .....	5206

## 4-SPEED MANUAL TRANSMISSION

<b>Input Shaft</b>	
1993-1988 (New Process 435)	
Ball Bearing .....	308L
Seal .....	9376
1990-1980 (New Process A833)	
Ball Bearing .....	308LOE
Seal .....	9376
1987-1980 (New Process 435, 445)	
Cone/Cup .....	HM88649-HM88610
Seal .....	482163N

<b>Rear Output Shaft</b>	
1993-1988 (New Process 435)	
Ball Bearing .....	308L
Seal .....	8160S
1987-1980 (New Process 435)	
Ball Bearing .....	1308L
Seal .....	8160S
1981-1980 (New Process 445)	
Cone/Cup .....	A7
Seal .....	8160S

## 5-SPEED MANUAL TRANSMISSION

<b>Front Input Shaft</b>	
2004-1992 (New Process 4500)	
Repair Sleeve .....	714655
Seal .....	
2000-1994 (New Process 3500)	
Ball Bearing .....	307FFL5
Repair Sleeve .....	99138
Seal .....	4529N
1993-1992 (Aisin)	
Seal .....	223253
1993-1988 (New Process A536, 2500)	
Ball Bearing .....	9376
Seal .....	

<b>Rear Output Shaft</b>	
2004-1994 (New Process 4500) (2WD)	
Cone/Cup .....	M804049-M804010
Seal .....	2465

## 5-SPEED MANUAL TRANSMISSION(cont)

<b>Rear Output Shaft(cont)</b>	
2004-1992 (New Process 4500) (4WD)	
Cone/Cup .....	M804049-M804010
Seal .....	710058
2002-1994 (New Process 3500) (4WD)	
Ball Bearing .....	4532N
Seal .....	
1993-1992 (Aisin) (2WD)	
Seal .....	710198
1993-1992 (Aisin) (4WD)	
Seal .....	1209
1993-1992 (New Process 4500) (2WD)	
Cone/Cup .....	M804049-M804010
Seal .....	7300S
1993-1988 (New Process A536, 2500) (2WD)	
Ball Bearing .....	208
Seal .....	2506
1993-1988 (New Process A536, 2500) (4WD)	
Ball Bearing .....	208
Seal .....	710058

## TRANSFER CASE

<b>Selector Shaft Seal/Man. Shaft</b>	
1993-1980 (New Process 205)	
Seal .....	2287

<b>Input Shaft</b>	
2005-2003 (New Process 271, 273)	
Ball Bearing .....	211
2002-1994 (New Process 241)	
Ball Bearing .....	110L
Repair Sleeve .....	99193
Seal .....	3173
1993-1989 (New Process 205) (A/T)	
Ball Bearing .....	1307L
Seal .....	473468
1993-1989 (New Process 205) (M/T)	
Ball Bearing .....	99193
Repair Sleeve .....	3173
Seal .....	
1988-1980 (New Process 205)	
Ball Bearing .....	1307L
Seal .....	473468
1980 (New Process 208)	
Repair Sleeve .....	99193
Seal .....	3173

<b>Front Output Shaft</b>	
2005-2003 (New Process 271, 273)	
Ball Bearing .....	111
2002-1994 (New Process 241)	
Repair Sleeve .....	99187
Seal .....	3946

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK &amp; VAN- 1 TON - Motor Home, M375, Pickup, Van, WD20, WD21, 300, 350 Series, 3500 Series, Sprinter 3500 (cont.)</b>					

## TRANSFER CASE(cont)

### Front Output Shaft(cont)

<b>1993-1980 (New Process 205)</b>	
Ball Bearing .....	307L
Seal .....	473313
<b>1980 (New Process 208)</b>	
Repair Sleeve .....	99187
Seal .....	3946

### Rear Output Shaft

<b>2002-1994 (New Process 241)</b>	
Ball Bearing .....	207XLO
Seal .....	4333N
<b>1993-1981 (New Process 205)</b>	
Ball Bearing .....	307L
Seal .....	473468
<b>1980 (New Process 208)</b>	
Ball Bearing .....	1207L
Repair Sleeve .....	99187
Seal .....	3946

### Oil Pump Housing

<b>2002-1994 (New Process 241)</b>	
Repair Sleeve .....	99225
Seal .....	341022
<b>1980 (New Process 208)</b>	
Repair Sleeve .....	99225
Seal .....	341022

### Idler Shaft

<b>1993-1980 (New Process 205)</b>	
Cone/Cup .....	2793-2720

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>2006-1989 359/5.9L (Diesel)</b>	
Repair Sleeve .....	99248
Seal .....	39803
<b>1980 225/3.7L</b>	
Seal .....	3095

### 8 Cylinder

<b>2003-1992 318/5.2L, 360/5.9L</b>	
Seal Viton .....	713103
<b>1991-1980 318/5.2L, 360/5.9L</b>	
Seal .....	3103

### 10 Cylinder

<b>2003-1994 488 (8.0) V10</b>	
Seal Viton .....	471424V

## CRANKSHAFT REAR SEAL

### 6 Cylinder

<b>2006-1989 359/5.9L (Diesel)</b>	
Repair Sleeve .....	39805
Seal .....	
<b>1980 225/3.7L</b>	
Seal .....	5650

### 8 Cylinder

<b>2003-1990 360/5.9L</b>	
Seal Split .....	5106
<b>2003-1980 318/5.2L</b>	
Seal .....	5414

## DODGE TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 500, 600, 700 Series Trucks, Motor Home Chassis

## FRONT WHEEL

### 2WD

<b>1981-1980 (3800 lb. Axle) (Exc. 4WD)</b>	
Cone/Cup ; Outer .....	15101-15245
Seal ; Inner .....	493291
Cup/Cone; Inner .....	A35
<b>1981-1980 (4500 lb. Axle) (Exc. 4WD)</b>	
Cone/Cup ; Outer .....	15101-15245
Seal ; Inner .....	493291
Cup/Cone; Inner .....	A35
<b>1981-1980 (5000 lb. Axle)</b>	
Cone/Cup ; Outer .....	14116-14276
Cone/Cup ; Inner .....	25590-25520
Seal ; Inner .....	3210

## REAR WHEEL

<b>1981-1980 (Dana/Spicer 60 Axle)</b>	
Cone/Cup ; Outer .....	359S-354A
Seal ; Inner .....	4250
Cup/Cone; Inner .....	A38
<b>1981-1980 (Dana/Spicer 60) (HD Axle)</b>	
Cone/Cup ; Inner .....	45291-45220
Seal ; Inner .....	455086
Cup/Cone; Outer .....	A38
<b>1981-1980 (Dana/Spicer 70 Axle)</b>	
Cone/Cup ; Inner .....	45291-45220
Seal ; Inner .....	455086
Cup/Cone; Outer .....	A38

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>DODGE TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 500, 600, 700 Series Trucks, Motor Home Chassis (cont.)</b>					

<b>REAR WHEEL(cont)</b>	
<b>1981-1980 (Dana/Spicer 70) (HD Axle)</b>	
Cone/Cup ; Outer .....	3982-3920
Cone/Cup ; Inner .....	456648
Seal ; Inner .....	
<b>4WD FRONT AXLE</b>	
<b>Differential</b>	
<b>1981-1980 (Dana/Spicer 60F, 70F Axles)</b>	
Cone/Cup .....	387A-382S
<b>Pinion</b>	
<b>1981-1980 (Dana/Spicer 60F, 70F Axles)</b>	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM803146-HM803110
<b>Steering Knuckle</b>	
<b>1981-1980 (Dana/Spicer 60F Axle)</b>	
Seal ; Upper .....	710304
Seal ; Lower .....	23100-23256
Cone/Cup ; Upper .....	23100-23256
Cone/Cup ; Lower .....	
<b>1981-1980 (Dana/Spicer 70F Axle)</b>	
Cone/Cup .....	23100-23256
Seal .....	710304
<b>SINGLE REAR AXLE</b>	
<b>Differential</b>	
<b>1981-1980 (Dana/Spicer 60, 70 Ser. Axles)</b>	
Cone/Cup .....	387A-382S
<b>1981-1980 (Rockwell F140, F140D, F147 Axies) (Pro Thru 5/74)</b>	
Cone/Cup .....	3994-3920

<b>SINGLE REAR AXLE(cont)</b>	
<b>Pinion</b>	
<b>1981-1980 (Dana/Spicer 60 Axle)</b>	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM803146-HM803110
<b>1981-1980 (Dana/Spicer 70 Axle)</b>	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM807040-HM807010
<b>DRIVESHAFT SUPPORT</b>	
<b>1981-1980 (Spicer 1260 1410) (1.3780" Brg.I.D.)</b>	
Ball Bearing .....	88107
<b>CLUTCH</b>	
<b>Release Bearing</b>	
<b>1981-1980 8 Cyl 360ci/5.9L</b>	
Bearing Assembly .....	614121
<b>CRANKSHAFT FRONT SEAL</b>	
<b>8 Cylinder</b>	
<b>1981-1980 360/5.9L</b>	
Seal .....	3103

## EAGLE- Medallion, Premier, Summit, Talon, Vision, Vista, 2000 GTX

<b>FRONT WHEEL</b>	
<b>1998-1995 Talon</b>	
Hub Assembly .....	513157
<b>1997-1993 Vision</b>	
Hub Assembly .....	513089
<b>1996-1993 Summit (Exc. Wagon)</b>	
Ball Bearing .....	510016
Seal ; Inner .....	8430S
Seal ; Outer .....	4898
<b>1996-1992 Summit Wagon</b>	
Seal ; Inner .....	225450
Seal ; Outer .....	225230
Ball Bearing ; Inner .....	513036

<b>FRONT WHEEL(cont)</b>	
<b>1994-1990 Talon</b>	
Seal ; Inner .....	225450
Seal ; Outer .....	225230
Ball Bearing ; Inner .....	513036
<b>1993-1991 2000 GTX</b>	
Seal ; Inner .....	225450
Seal ; Outer .....	225230
Ball Bearing ; Inner .....	513036
<b>1992-1989 Summit</b>	
Seal .....	474134
Cup/Cone .....	A41
<b>1992-1988 Premier</b>	
Ball Bearing .....	513144K

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## ***EAGLE- Medallion, Premier, Summit, Talon, Vision, Vista, 2000 GTX (cont.)***

### **FRONT WHEEL(cont)**

<b>1991-1988 Vista (AWD)</b>		
Seal ; Inner .....	225082	
Seal ; Outer .....	225230	
Ball Bearing ; Inner .....	513036	
<b>1991-1988 Vista (Canada)</b>		
Seal .....	474134	
Cup/Cone .....	A41	
<b>1989-1988 Medallion</b>		
Ball Bearing .....	513144K	

### **REAR WHEEL**

<b>1998-1995 Talon (AWD)</b>		
Bearing Assm .....	512181	
<b>1998-1995 Talon (FWD)</b>		
Bearing Assm .....	512136	
Hub Assembly .....	512136	
<b>1997-1993 Vision</b>		
Hub Assembly .....	512029	
<b>1996-1993 Summit (ABS) (Disc)</b>		
Hub Assembly .....	512033	
<b>1996-1993 Summit (Non-ABS)</b>		
Hub Assembly .....	512148	
<b>1996-1992 Summit Wagon (AWD)</b>		
Ball Bearing .....	511013	
<b>1996-1992 Summit Wagon (FWD)</b>		
Hub Assembly .....	512040	
<b>1994-1990 Talon (AWD)</b>		
Seal ; Inner .....	710152	
Ball Bearing ; Inner .....	511014	
Ball Bearing ; Outer .....	511015	
<b>1994-1990 Talon (FWD) (ABS)</b>		
Hub Assembly .....	512011 <sup>28</sup>	
<b>1994-1990 Talon (FWD) (Non-ABS)</b>		
Hub Assembly .....	512010	
<b>1993-1991 2000 GTX (Disc)</b>		
Hub Assembly .....	512158	
<b>1993-1991 2000 GTX (Drum)</b>		
Seal ; Inner .....	1196	
Cup/Cone; Inner .....	A4	
Cup/Cone; Outer .....	A1	
<b>1992-1991 Summit (Diamond Star Drum Brks)</b>		
Hub Assembly .....	512037	
<b>1992-1991 Summit (Mitsubishi Drum Brks.)</b>		
Cone/Cup ; Outer .....	516001	
Cone/Cup ; Inner .....	516001	
Seal ; Inner .....	1205N	
<b>1992-1990 Premier (ABS) (Disc)</b>		
Hub Assembly .....	513072	
<b>1992-1989 Premier (Non-ABS) (Drum)</b>		
Hub Assembly .....	513070	
<b>1990-1989 Summit (2 Dr.) (Disc)</b>		
Cone/Cup ; Outer .....	516000	
Cone/Cup ; Inner .....	516000	
Seal ; Inner .....	1205N	

### **REAR WHEEL(cont)**

<b>1990-1989 Summit (2 Dr.) (Drum)</b>		
Cone/Cup ; Outer .....	516001	
Cone/Cup ; Inner .....	516001	
Seal ; Inner .....	1205N	
<b>1990-1989 Summit (4 Dr.)</b>		
Cone/Cup ; Outer .....	513029	
Cone/Cup ; Inner .....	513029	
Seal ; Inner .....	1205N	
<b>1989-1988 Medallion (Non- ABS) (Drum)</b>		
Hub Assembly .....	513142	
<b>1989-1988 Medallion (Non-ABS) (Disc)</b>		
Hub Assembly .....	513070	

### **CLUTCH**

#### **Pilot Bearing**

<b>1989-1988 4 Cyl 2165cc/2.2L</b>		
Ball Bearing .....	203FF	

#### **Release Bearing**

<b>1998-1991 Talon AWD</b>		
Bearing Assembly .....	614099	
<b>1997-1990 Talon FWD</b>		
Bearing Assembly .....	614126	
<b>1996-1993 Summit AWD</b>		
Bearing Assembly .....	614099	
<b>1996-1989 Summit FWD</b>		
Bearing Assembly .....	614126	
<b>1992-1988 6 Cyl 3.0L</b>		
Bearing Assembly .....	614092	

### **3-SPEED AUTOMATIC TRANSAXLE**

#### **Differential**

<b>1996-1989 (KM171, F3A21 2, KM171 5)</b>		
Ball Bearing .....	207	
<b>1989-1988 (Renault MJ3)</b>		
Cone/Cup .....	30207	

#### **Output Shaft**

<b>1996-1989 (F3A22, F3A21 3, KM171 5, KM171)</b>		
Repair Sleeve .....	99139	
Seal .....	223543	

#### **Torque Converter**

<b>1996-1989 (F3A22, F3A21 3, KM171 5, KM171)</b>		
Seal .....	320583	
<b>1989-1988 (Renault MJ3)</b>		
Seal .....	224266	

#### **Transfer Shaft**

<b>1996-1991 (F3A21 2)</b>		
Cone/Cup .....	30207	
<b>1990-1989 (KM171, KM171 5)</b>		
Cone/Cup ; Outer .....	30304	
Cone/Cup ; Inner .....	30206	

#### **Transfer Gear**

<b>1996-1989 (KM171, F3A21 2, KM171 5)</b>		
Ball Bearing ; Inner .....	207	
Ball Bearing ; Outer .....	306L	

<sup>28</sup> Reuse Old ABS Ring

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>EAGLE- Medallion, Premier, Summit, Talon, Vision, Vista, 2000 GTX (cont.)</b>					

<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>			<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Transfer Idler</b>			<b>Differential</b>		
1996-1991	(F3A21 2)		1992-1989	(F4M21 1)	
Cone/Cup .....		30206	Ball Bearing .....		207
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			1989	(KM200 0)	
<b>Differential</b>			Cone/Cup .....		30207
1997-1993	(A606, 42LE)		<b>Output Shaft</b>		
Repair Sleeve .....		99157	1992-1988	(F4M21 1, KM200 0)	
Seal .....		3459	Cone/Cup .....		30206
Cup/Cone .....		A36	Repair Sleeve .....		99139
1995-1994	(A604 41TE) (AWD)		Seal .....		223543
Cone/Cup ; LH .....		A18	<b>Selector Shaft Seal/Man. Shaft</b>		
Cone/Cup ; RH .....			1992-1988	(F4M21 1, KM200 0)	
1992-1988	(ZF 4 HP18)		Seal .....		710222
Cone/Cup ; LH .....	LM806649-LM806610		<b>Input Shaft</b>		
Cone/Cup ; RH .....	LM300849-LM300811		1992-1989	(F4M21 1, KM200 0)	
1990-1988	(A604, A670)		Seal Viton .....		712007
Cup/Cone .....		A18	<b>Countershaft</b>		
<b>Pinion</b>			1989	(KM200 0)	
1992-1988	(ZF 4 HP18FL Premier)		Ball Bearing ; Frt .....		RW122
Seal Viton .....		710279	Ball Bearing ; Rr .....		
<b>Torque Converter / Frt Pump</b>			<b>5-SPEED MANUAL TRANSAXLE</b>		
1998-1993	(41TE, 42LE)		<b>Differential</b>		
Repair Sleeve .....		99149	1998-1995	(A578)	
Seal .....		331228H	Repair Sleeve .....		99157
1997-1990	(F4A21 2, F4A22 2, F4A33 1, KM176 5, KM175 5, W4A32 1, W4A33 1)		Seal .....		3459
Seal .....		320583	Cup/Cone .....		A18
1992-1988	(ZF 4 HP18FL Premier)		1997-1989	(F5M21 1, F5M21 2, W5M31 2, W5M33 2, KM201 0, KM215 0)	
Seal .....		224510	Ball Bearing .....		207
1989-1988	(Renault AR4)		1996-1988	(KM182 2, F5M22 2, KM182 0, KM206 0, KM206, KM221 1)	
Seal .....		225110	Cone/Cup .....		30207
<b>Output Shaft</b>			1989-1988	(Renault NG3)	
1990-1988	(A604, A670)		Cone/Cup ; LH .....		30207
Repair Sleeve .....		99157	<b>Pinion</b>		
Seal .....		3459	1997-1990	(W5M31 2, W5M33 2)	
Cup/Cone .....		A17	Seal .....		223014
<b>Extension Housing</b>			<b>Output Shaft</b>		
1997-1990	(W4A32 1, W4A33 1)		1997-1993	(F5M33 1)	
Seal .....		710317	Seal Viton .....		710259
<b>Selector Shaft Seal/Man. Shaft</b>			1997-1990	(W5M33 2)	
1992-1988	(A604, A604 41TE, A670)		Repair Sleeve; LH .....		99139
Seal .....		8609	Seal ; RH .....		710199
<b>Transfer Shaft</b>			Seal ; LH .....		223543
1998-1996	(A604, 41TE)		1996-1993	(F5M22 2)	
Cup/Cone; Outer .....		A35	Repair Sleeve .....		99139
1998-1993	(A606, 42LE)		Seal .....		223543
Cone/Cup ; Inner .....	M802048-M802011		<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
1995-1990	(A604, 41TE)		<b>Transfer Idler</b>		
Cone/Cup ; Inner .....	13687-13623X		1996-1991	(F3A21 2)	
Cup/Cone; Outer .....		A35	Cone/Cup .....		30206
1991-1988	(A604, A670)		<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
Cup/Cone .....		A18	<b>Differential</b>		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **EAGLE- Medallion, Premier, Summit, Talon, Vision, Vista, 2000 GTX (cont.)**

### **5-SPEED MANUAL TRANSAXLE(cont)**

#### **Output Shaft(cont)**

1996-1989	(F5M21 1, F5M21 2, F5M22 1, F5M22 2, KM201 0, KM206, KM206 0)	
Cone/Cup .....		30206
Repair Sleeve .....		99139
Seal .....		223543
1993-1992	(W5M31 2)	
Repair Sleeve; RH .....		99114
Repair Sleeve; LH .....		99139
Seal ; RH .....		1981
Seal ; LH .....		223543
1992-1990	(F5M31 2, F5M33 1, KM215 0)	
Repair Sleeve .....		99139
Seal .....		223543
1992-1988	(Renault UN1)	
Seal .....		224235
1991-1988	(KM182 2, KM182 0)	
Repair Sleeve .....		99139
Seal .....		223543

#### **Extension Housing**

1993-1992	(W5M31 2)	
Seal .....		710317

#### **Selector Shaft Seal/Man. Shaft**

1998-1995	(A578)	
Seal .....		3816
1996-1989	(F5M21 1, F5M21 2, F5M22 2, KM182 2, KM182 0, KM201 0, KM206 0)	
Seal .....		710222

#### **Input Shaft**

1997-1990	(KM206, F5M21 1, F5M21 1, F5M21 2, F5M22 1, F5M22 2, W5M31 2, W5M33 2, KM215 0)	
Seal Viton .....		712007
1991-1988	(KM182 2, KM182 0)	
Cone/Cup ; Rr .....		30304
Ball Bearing ; Center .....		304
Seal Viton ; Frt .....		712007
1990-1988	(KM201 0, KM206 0)	
Ball Bearing ; Rr .....		304
Ball Bearing ; Center .....		712007
Seal Viton ; Frt .....		

#### **Countershaft**

1990-1989	(KM201 0, KM206 0)	
Ball Bearing ; Frt .....		RW122
Ball Bearing ; Rr .....		

### **CAMSHAFT SEAL**

#### **4 Cylinder**

1998-1995	122/2.0L (DOHC)	
Seal Viton .....		320249
1998-1995	1997cc/2.0L (TURBO)	
Repair Sleeve .....		99139
Seal .....		3771

### **CAMSHAFT SEAL(cont)**

#### **4 Cylinder(cont)**

1996-1989	1468cc/1.5L, 1755cc/1.8L, 1834cc/1.8L, 2351cc/2.4L	
Repair Sleeve .....		99139
Seal .....		3771
1994-1989	1595cc/1.6L (DOHC), 1997cc/2.0L (DOHC)	
Repair Sleeve .....		99139
Seal .....		3771
1989-1988	2165cc/2.2L	
Repair Sleeve .....		99139
Seal .....		1172

#### **6 Cylinder**

1997-1993	215/3.5L	
Repair Sleeve .....		714655
Seal .....		

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

1998-1995	122/2.0L (DOHC)	
Seal Viton .....		320348
1998-1989	1595cc/1.6L (DOHC), 1597cc/1.6L, 1755cc/1.8L, 1997cc/2.0L, 2351cc/2.4L	
Seal .....		224460
1996-1992	1834cc/1.8L	
Seal .....		223750
1996-1989	1468cc/1.5L	
Seal .....		223018
1989-1988	150/2.5L	
Seal .....		321460
1989-1988	2165cc/2.2L	
Seal Viton .....		225020

#### **6 Cylinder**

1997-1993	201/3.3L, 215/3.5L	
Repair Sleeve .....		99112
Seal .....		3638
1992-1988	2970cc/3.0L	
Seal Viton .....		710196

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

1998-1995	122/2.0L (DOHC)	
Seal Viton .....		710056
Seal PTFE H/D .....		
1996-1989	1468cc/1.5L, 1755cc/1.8L	
Seal .....		227235
1992-1989	1595cc/1.6L (DOHC), 1997cc/2.0L (DOHC), 2351cc/2.4L	
Seal Viton .....		228005
1989-1988	150/2.5L	
Seal Viton .....		716445
1989-1988	2165cc/2.2L	
Seal Viton .....		229005

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **EAGLE- Medallion, Premier, Summit, Talon, Vision, Vista, 2000 GTX (cont.)**

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder</b>		
1997-1993	201/3.3L, 215/3.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		
1992-1988	2970cc/3.0L	
Seal .....		228010

## **FERRARI- BB512, F40, Testarossa, 3.2 Mondial, 308GT, 328GT, 348 Coupe, 400i, 512TR**

<b>FRONT WHEEL</b>		
1995-1993	348	
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A16
1991-1990	F40	
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A16
1991-1987	Testarossa	
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A16
1989-1986	328 GTB/GTS	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1988-1986	Mondial	
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A16
1986-1985	Testarossa	
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A16
1985-1980	308 Ser.	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2

<b>REAR AXLE</b>		
<b>Differential</b>		
1991-1986	(Exc. 412, GTO, Testarossa)	
Cone/Cup .....		368A-362A

<b>REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
1991-1986	GTO, Testarossa	
Cone/Cup ; LH .....		368A-362A
Cone/Cup ; RH .....		28580-28521
1985-1980	All	
Cone/Cup .....		368A-362A
<b>Pinion</b>		
1991-1980	All	
Cone/Cup ; Inner .....		M802048-M802011

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1985-1984	(THM400)	
Seal .....		9449
Seal Kit .....		5208
<b>Selector Shaft Seal/Man. Shaft</b>		
1985-1984	(THM400)	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
1985-1984	(THM400)	
Repair Sleeve .....		99187
Seal .....		6712NA

## **FIAT- All**

<b>FRONT WHEEL</b>		
1983-1980	X1/9	
Ball Bearing .....		B33
Seal .....		222510

<b>FRONT WHEEL(cont)</b>		
1982-1980	Strada	
Ball Bearing .....		B33
Seal .....		222510

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FIAT- All (cont.)

### FRONT WHEEL(cont)

<b>1981-1980</b>	<b>124</b>	
Cone/Cup ; Inner .....		15579X-15520
Seal ; Inner .....		472213
Cup/Cone; Outer .....		A2
<b>1981-1980</b>	<b>131, Brava</b>	
Seal ; Inner .....		1999
Cup/Cone; Outer .....		A2

### REAR WHEEL

<b>1983-1980</b>	<b>X1/9</b>	
Ball Bearing .....		B37
<b>1982-1980</b>	<b>Strada</b>	
Ball Bearing .....		513116
<b>1981-1980</b>	<b>131, Brava</b>	
Ball Bearing .....		RW103R

### ALTERNATOR

<b>1983-1980</b>	<b>(Bosch 55 Amp.)</b>	
Ball Bearing ; Drive End .....		303S
<b>1983-1980</b>	<b>(Bosch 60 Amp.)</b>	
Ball Bearing ; Drive End .....		303S
<b>1980</b>	<b>Marelli 42, 44, 45 Amp.</b>	
Ball Bearing ; Rear End .....		201SS
Ball Bearing ; Drive End .....		302SS

### ALTERNATOR(cont)

<b>1980</b>	<b>Marelli 55 Amp.</b>	
Ball Bearing ; Rear End .....		201SS
Ball Bearing ; Drive End .....		302SS
<b>1980</b>	<b>Marelli 60, 65 Amp.</b>	
Ball Bearing ; Rear End .....		201SS
Ball Bearing ; Drive End .....		302SS

## FORD- FWD & AWD - Tempo

### FRONT WHEEL

<b>1994-1984</b>	<b>All</b>	
Ball Bearing .....		513014
Hub Kit .....		518503 <sup>25</sup>

### REAR WHEEL

#### 2WD

<b>1994-1984</b>	<b>All</b>	
Seal ; Inner .....		473677
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A12

#### 4WD/AWD

<b>1991-1987</b>	<b>All</b>	
Wheel Brg .....		513001

### CLUTCH

#### Release Bearing

<b>1994-1992</b>	<b>6 Cyl 3.0L Mazda</b>	
Bearing Assembly .....		614079
<b>1990-1989</b>	<b>All</b>	
Bearing Assembly .....		614060
<b>1990-1989</b>	<b>All</b>	
Bearing Assembly Opt Bear .....		614118
and Sleeve Kit .....		

### 5-SPEED MANUAL TRANSMISSION

#### Countershaft

<b>1994-1984</b>	<b>(MTX III)</b>	
Cup/Cone .....		A16

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>1994-1984</b>	<b>All</b>	
Ball Bearing .....		208

#### Output Shaft

<b>1994-1984</b>	<b>All</b>	
Repair Sleeve .....		99169
Seal .....		3622

#### Selector Shaft Seal/Man. Shaft

<b>1994-1984</b>	<b>All</b>	
Seal .....		342517

#### Torque Converter

<b>1994-1984</b>	<b>(ATX)</b>	
Seal .....		4539H

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>1994-1989</b>	<b>(4EAT G)</b>	
Cone/Cup .....		32008

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD- FWD &amp; AWD - Tempo (cont.)</b>					
<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Differential(cont)</b>			<b>Input Shaft</b>		
1994-1986	(AX4, AXOD)		1994-1984	(MTX III)	
	Ball Bearing .....	208		Cone/Cup .....	LM67049A-LM67010
1992-1989	(4HAT G)			Repair Sleeve .....	99112
	Cone/Cup .....	32009XA		Seal .....	3638
<b>Torque Converter / Frt Pump</b>			<b>TRANSFER CASE</b>		
1994-1989	(4EAT G, 4HAT G)		<b>Input Shaft</b>		
	Seal .....	710446	1991-1987	(I/S)	
1994-1986	(AX4, AXOD)			Ball Bearing .....	206
	Seal .....	4189H		Cup/Cone .....	A2
<b>Output Shaft</b>			<b>Front Output Shaft</b>		
1994-1989	(4EAT G, 4HAT G)		1991-1987	(Frt. O/S)	
	Repair Sleeve; LH .....	99139		Cone/Cup .....	M86647-M86610
	Seal ; RH .....	2007N	<b>Rear Output Shaft</b>		
	Seal ; LH .....	223543	1991-1987	(Rr. O/S)	
1994-1986	(AX4, AXOD)			Cone/Cup .....	M86649-M86610
	Repair Sleeve .....	99169	<b>CAMSHAFT SEAL</b>		
	Seal .....	3622	<b>4 Cylinder</b>		
<b>4-SPEED MANUAL TRANSAXLE</b>			1986-1984	1998/2.0L (Diesel)	
<b>Differential</b>				Seal .....	223420
1990-1984	(MTX II) (2 pinion)		<b>CRANKSHAFT FRONT SEAL</b>		
	Cup/Cone .....	A35	<b>4 Cylinder</b>		
1990-1984	(MTX II) (4 pinion)		1994-1984	140/2.3L	
	Cup/Cone .....	A37		Seal .....	714075
<b>Output Shaft</b>			1986-1984	1998cc/2.0L (Diesel)	
1990-1984	All			Repair Sleeve .....	99114
	Repair Sleeve; LH .....	99169		Seal .....	223012
	Seal ; LH .....	3622	<b>6 Cylinder</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			1994-1992	183/3.0L	
1990-1984	All			Repair Sleeve; Frt Entry .....	99187
	Seal Viton .....	710274		Repair Sleeve; Rr Entry .....	99187
<b>Input Shaft</b>				Seal ; Frt Entry .....	2692
1990-1985	(MTX II) (2nd design)			Seal ; Rr Entry .....	2942
	Cone/Cup .....	LM67049A-LM67010	<b>CRANKSHAFT REAR SEAL</b>		
	Repair Sleeve .....	99112	<b>4 Cylinder</b>		
	Seal .....	3638	1994-1984	140/2.3L	
1985-1984	(MTX II) (1st design)			Seal .....	3772
	Seal .....	710053		Seal PTFE H/D .....	
<b>5-SPEED MANUAL TRANSAXLE</b>			1986-1984	1998cc/2.0L (Diesel)	
<b>Differential</b>				Seal .....	229010
1994-1984	(MTX III) (RWB) (2 pinion)		<b>6 Cylinder</b>		
	Cup/Cone .....	A35	1994-1992	183/3.0L	
1994-1984	(MTX III) (RWB) (4 pinion)			Seal .....	3772
	Cup/Cone .....	A37		Seal PTFE H/D .....	
<b>Output Shaft</b>					
1994-1984	(MTX III)				
	Repair Sleeve .....	99169			
	Seal .....	3622			
<b>Selector Shaft Seal/Man. Shaft</b>					
1994-1984	(MTX III)				
	Seal Viton .....	710274			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- FWD & AWD - Five Hundred

### FRONT WHEEL

2007-2005	All	
	Hub Assembly .....	513223

### REAR WHEEL

#### 2WD

2007-2005	All	
	Hub Assembly .....	512299

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2006-2005	3.0L (DOHC)	
	Repair Sleeve .....	99187
	Seal .....	482041N

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2005	183/3.0L	
	Seal Viton .....	3909

## FORD- FRONT DRIVE - Contour

### FRONT WHEEL

2000-1995	All	
	Ball Bearing .....	510029

### REAR WHEEL

2000-1995	All	
	Hub Assembly .....	512024

### CLUTCH

#### Release Bearing

2000-1995	All	
	Bearing Assembly .....	614155

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

2000-1995	(4EAT F)	
	Cup/Cone .....	A17
2000-1995	(AX4, AXOD)	
	Ball Bearing .....	208
1997-1995	(4EAT G)	
	Cone/Cup .....	32008

#### Torque Converter / Frt Pump

2000-1995	(4EAT G, 4HAT G)	
	Seal .....	710446
2000-1995	(AX4, AXOD)	
	Seal .....	4189H
2000-1995	(C4DE)	
	Seal .....	4635V

#### Output Shaft

2000-1995	(4EAT G, 4HAT G)	
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	2007N
	Seal ; LH .....	223543

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

#### Output Shaft(cont)

2000-1995	(AX4, AXOD)	
	Repair Sleeve .....	99169
	Seal .....	3622

### 5-SPEED MANUAL TRANSAXLE

#### Differential

2000-1995	(Mazda F52)	
	Cup/Cone .....	A17

#### Output Shaft

2000-1995	(Mazda F52)	
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	2007N
	Seal ; LH .....	223543

#### Selector Shaft Seal/Man. Shaft

2000-1995	All	
	Seal .....	221620

#### Input Shaft

2000-1995	(Mazda F52)	
	Seal .....	222430

#### Countershaft

2000-1995	(Mazda F52)	
	Cone/Cup ; Frt .....	32205

### CAMSHAFT SEAL

#### 4 Cylinder

2000-1995	121/2.0/L	
	Repair Sleeve .....	99169
	Seal .....	3774

#### 6 Cylinder

2000-1995	155/2.5L	
	Seal .....	471651

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- FRONT DRIVE - Contour (cont.)

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

2000-1995	121/2.0/L	
Repair Sleeve .....		99139
Seal .....		3771

#### 6 Cylinder

2000-1995	2540cc/2.5L (DOHC)	
Repair Sleeve .....		99187
Seal .....		482041N

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2000-1995	121/2.0/L	
Seal .....		3772
Seal PTFE H/D .....		

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

2000-1995	2540cc/2.5L (DOHC)	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

## FORD- FRONT DRIVE - Escort, EXP, ZX2

### FRONT WHEEL

2003-1991	All	
Ball Bearing .....		510013
Seal .....		1932
1990-1983	(From 2/1/83)	
Ball Bearing .....		513014
Hub Kit .....		518503 <sup>25</sup>
1983-1981	(Thru 1/31/83)	
Seal .....		3723
Cup/Cone .....		A31

### REAR WHEEL

2003-1994	(ABS)	
Hub Assembly .....		512161
2003-1990	(Non-ABS) (Drum)	
Hub Assembly .....		513030
1990-1984	All	
Seal ; Inner .....		473677
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A12
1983-1981	All	
Seal ; Inner .....		473677
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1

### CLUTCH

#### Pilot Bearing

2003-1991	4 Cyl 1.9L, 2.0L	
Needle Bearing .....		FC65354
1996-1991	4 Cyl 1.8L DOHC	
Ball Bearing .....		202SS

#### Release Bearing

2003-1997	4 Cyl 2.0L DOHC	
Bearing Assembly .....		614155
1996-1991	4 Cyl 1.8L DOHC	
Bearing Assembly .....		614079

### CLUTCH(cont)

#### Release Bearing(cont)

1996-1991	4 Cyl 116ci/1.9L	
Bearing Assembly .....		614128
1990-1989	All	
Bearing Assembly .....		614060
1990-1989	All	
Bearing Assembly .....		614118 <sup>93</sup>

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1989-1984	All	
Ball Bearing .....		208
1983-1981	All	
Cup/Cone .....		A35

#### Output Shaft

1989-1981	All	
Repair Sleeve .....		99169
Seal .....		3622

#### Selector Shaft Seal/Man. Shaft

1989-1981	All	
Seal .....		342517

#### Torque Converter

1989-1981	All	
Seal .....		4539H

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

2003-1991	(4EAT F)	
Cup/Cone .....		A17
1997-1990	(4EAT G)	
Cone/Cup .....		32008

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut <sup>93</sup> Opt. Brg and Sleeve Kit

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **FORD- FRONT DRIVE - Escort, EXP, ZX2 (cont.)**

### **4-SPEED AUTOMATIC TRANSAXLE(cont)**

#### **Torque Converter / Frt Pump**

2003-1998 (CD4E)		
Seal .....		4635V
2002-1990 (4EAT)		
Seal .....		710446

#### **Output Shaft**

2002-1990 (4EAT)		
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543

### **4-SPEED MANUAL TRANSAXLE**

#### **Differential**

1989-1982 (MTX II) (2 pinion)		
Cup/Cone .....		A35

#### **Output Shaft**

1990-1982 (MTX II)		
Repair Sleeve .....		99169
Seal .....		3622

#### **Selector Shaft Seal/Man. Shaft**

1990-1982 (MTX II)		
Seal Viton .....		710274

#### **Input Shaft**

1990-1985 (MTX II) (2nd design)		
Cone/Cup .....	LM67049A-LM67010	
Repair Sleeve .....		99112
Seal .....		3638
1985 (MTX II) (1st design)		
Seal .....		710053
1984-1981 (MTX II)		
Seal .....		710053
Cup/Cone .....		A31

### **5-SPEED MANUAL TRANSAXLE**

#### **Differential**

2003-1997 All		
Cone/Cup .....		32008
1996-1991 (Mazda F52)		
Cup/Cone .....		A17
1994-1984 (MTX III) (2 pinion)		
Cup/Cone .....		A35

#### **Output Shaft**

2002-1991 (Mazda F52)		
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543
1994-1984 (MTX III)		
Repair Sleeve .....		99169
Seal .....		3622

#### **Selector Shaft Seal/Man. Shaft**

1994-1984 (MTX III)		
Seal Viton .....		710274

### **5-SPEED MANUAL TRANSAXLE(cont)**

#### **Input Shaft**

2002-1991 (Mazda F52)		
Seal .....		222430
1995-1984 (MTX III)		
Cone/Cup .....	LM67049A-LM67010	
Repair Sleeve .....		99112
Seal .....		3638

#### **Countershaft**

2002-1991 (Mazda F52)		
Cone/Cup ; Frt .....		32205
1995-1984 (MTX III)		
Cup/Cone .....		A16

### **CAMSHAFT SEAL**

#### **4 Cylinder**

2003-1998 1998cc/2.0L (DOHC)		
Repair Sleeve .....		99169
Seal .....		3774
2002-1997 1998cc/2.0L (SOHC)		
Repair Sleeve .....		99169
Seal .....		3774
1996-1991 113/1.8L (DOHC)		
Seal .....		223420
1996-1985 119/1.9L		
Repair Sleeve .....		99169
Seal .....		3774
1987-1984 122/2.0L (Diesel)		
Seal .....		223420
1985-1981 98/1.6L		
Repair Sleeve .....		99169
Seal .....		3774

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

2003-1998 121/2.0L (DOHC)		
Repair Sleeve .....		99139
Seal .....		3771
2002-1997 1998cc/2.0L (SOHC)		
Repair Sleeve .....		99139
Seal .....		3771
1996-1991 112cc/1.8L DOHC		
Repair Sleeve .....		710355
Seal .....		
1996-1985 119/1.9L		
Repair Sleeve .....		99139
Seal .....		3771
1987-1984 122/2.0L (Diesel)		
Repair Sleeve .....		99114
Seal .....		223012
1985-1981 98/1.6L		
Repair Sleeve .....		99139
Seal .....		3771

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **FORD- FRONT DRIVE - Escort, EXP, ZX2 (cont.)**

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

<b>2003-1998</b>	<b>121/2.0L (DOHC)</b>	
Seal .....		3772
Seal PTFE H/D .....		
<b>2001-1997</b>	<b>1998cc/2.0L (SOHC)</b>	
Seal .....		3772
<b>1996-1991</b>	<b>113/1.8L (DOHC)</b>	
Seal .....		228250
<b>1996-1985</b>	<b>119/1.9L</b>	
Seal .....		3772
Seal PTFE H/D .....		
<b>1987-1984</b>	<b>122/2.0L (Diesel)</b>	
Seal .....		229010
<b>1985-1981</b>	<b>98/1.6L</b>	
Seal .....		3772
Seal PTFE H/D .....		

## **FORD- FRONT DRIVE - Focus**

### **FRONT WHEEL**

<b>2007-2000</b>	<b>All</b>	
Ball Bearing .....		510056 <sup>29</sup>
Hub Kit .....		518510 <sup>25</sup>

### **5-SPEED MANUAL TRANSAXLE**

#### **Differential**

<b>2004</b>	<b>(IB5)</b>	
Repair Sleeve .....		99157
Seal .....		224020
<b>2003-2000</b>	<b>(IB5)</b>	
Cone/Cup .....		LM29749-LM29710

### **CAMSHAFT SEAL**

#### **4 Cylinder**

<b>2004-2000</b>	<b>2.0L (SOHC)</b>	
Repair Sleeve .....		99169
Seal .....		3774

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

<b>2004-2000</b>	<b>122/2.0L (SOHC)</b>	
Repair Sleeve .....		99139
Seal .....		3771

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

<b>2004-2000</b>	<b>122cid/2.0L (SOHC)</b>	
Seal .....		3772

## **FORD- FRONT DRIVE - Freestyle**

### **FRONT WHEEL**

#### **2WD**

<b>2007-2005</b>	<b>All</b>	
Hub Assembly .....		513223

### **REAR WHEEL**

#### **2WD**

<b>2007-2005</b>	<b>All</b>	
Hub Assembly .....		512299

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

<b>2006-2005</b>	<b>3.0L</b>	
Repair Sleeve .....		99187
Seal .....		482041N

### **CRANKSHAFT REAR SEAL**

#### **6 Cylinder**

<b>2006-2005</b>	<b>3.0L</b>	
Seal Viton .....		3909

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut <sup>29</sup> The Black seal is a Magnet for the ABS. This side must be towards the ABS Sensor.

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- FRONT DRIVE - Fusion

### FRONT WHEEL

2009-2006	All	
Ball Bearing .....		510010

### REAR WHEEL

#### 2WD

2009-2006	4 Wheel ABS	
Hub Assembly .....		512271

### REAR WHEEL(cont)

#### 4WD/AWD

2009-2006	All	
Ball Bearing .....		510010

## FORD- FRONT DRIVE - Probe

### FRONT WHEEL

1997-1993	All	
Ball Bearing .....		510010
Seal .....		1932
1992-1989	All	
Seal .....		1932
Wheel Brg .....		513057

### REAR WHEEL

1997-1993	(ABS)	
Hub Assembly .....		512118
1997-1993	(Non-ABS)	
Hub Assembly .....		512119
1992-1989	All	
Seal .....		224235
Wheel Brg .....		513055

### CLUTCH

#### Pilot Bearing

1993-1989	All	
Ball Bearing .....		202SS

#### Release Bearing

1997-1993	4 Cyl 2.0L DOHC	
Bearing Assembly .....		614079
1997-1993	6 Cyl 2.5L	
Bearing Assembly .....		614060
1997-1993	6 Cyl 2.5L	
Bearing Assembly Opt Bear .....		614118
and Sleeve Kit .....		
1992-1990	6 Cyl	
Bearing Assembly .....		614079
1992-1989	4 Cyl Turbo	
Bearing Assembly .....		614079
1992-1989	4 Cyl w/o Turbo	
Bearing Assembly .....		614067

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1994-1989	All	
Ball Bearing .....		208

#### Output Shaft

1994-1989	All	
Repair Sleeve .....		99169
Seal .....		3622

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

1994-1989	All	
Seal .....		342517

#### Torque Converter

1994-1989	All	
Seal .....		4539H

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

1997-1989	(AX4, AXOD)	
Ball Bearing .....		208

#### Torque Converter / Frt Pump

1997-1994	(CD4E)	
Seal .....		4635V
1997-1989	(AX4, AXOD)	
Seal .....		4189H

#### Output Shaft

1997-1989	(AX4, AXOD)	
Repair Sleeve .....		99169
Seal .....		3622

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1990-1989	(MTX II) (2 pinion)	
Cup/Cone .....		A35

#### Output Shaft

1990-1989	(MTX II)	
Repair Sleeve .....		99169
Seal .....		3622

#### Selector Shaft Seal/Man. Shaft

1990-1989	(MTX II)	
Seal Viton .....		710274

#### Input Shaft

1990-1989	(MTX II) (2nd design)	
Cone/Cup .....	LM67049A-LM67010	
Repair Sleeve .....		99112
Seal .....		3638

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- FRONT DRIVE - Probe (cont.)

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1997-1989 (Mazda G5M, G5Y)	
Cone/Cup .....	32008

#### Output Shaft

1997-1989 (Mazda G5M, G5Y)	
Repair Sleeve; LH .....	99139
Seal ; RH .....	2007N
Seal ; LH .....	223543

#### Selector Shaft Seal/Man. Shaft

1997-1989 (Mazda G5M, G5Y)	
Seal .....	221620

#### Input Shaft

1997-1989 (Mazda G5M, G5Y)	
Seal ; Outer .....	1990
Cup/Cone; Outer .....	A32
Repair Sleeve; Outer .....	

### CAMSHAFT SEAL

#### 4 Cylinder

1997-1993 1991cc/2.0L	
Seal .....	223420
1992-1989 133/2.2L (Gas)	
Seal .....	223420

#### 6 Cylinder

1997-1993 2497cc/2.5L	
Repair Sleeve .....	99114
Seal .....	223012

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1997-1993 1991cc/2.0L	
Seal Viton .....	2012V
1993 1991cc/2.0L	
Seal Viton .....	2012V
1992-1989 133/2.2L (Gas)	
Seal .....	223420

### CRANKSHAFT FRONT SEAL(cont)

#### 6 Cylinder

1997-1993 2497cc/2.5L	
Seal Viton .....	2012V
1992-1990 183/3.0L	
Repair Sleeve; Frt Entry .....	99187
Repair Sleeve; Rr Entry .....	99187
Seal ; Frt Entry .....	2692
Seal ; Rr Entry .....	2942

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1997-1993 1991cc/2.0L	
Seal .....	229004
1992-1989 133/2.2L (Gas)	
Seal .....	229010

#### 6 Cylinder

1997-1993 2497cc/2.5L	
Repair Sleeve .....	99298
Seal .....	1019
1992-1990 183/3.0L	
Seal .....	3772
Seal PTFE H/D .....	

## FORD- FRONT DRIVE - Taurus

### FRONT WHEEL

2007-1996 All	
Hub Assembly .....	513100
1995-1991 (From 2/1/91)	
Ball Bearing .....	513058
Hub Kit .....	520100 <sup>25</sup>
1991-1986 (Thru 1/31/91)	
Ball Bearing .....	513058
Hub Kit .....	520000 <sup>25</sup>

### REAR WHEEL

2007-2005 (ABS) (Disc)	
Hub Assembly .....	512107

### REAR WHEEL(cont)

2006-2001 (ABS) (Drum)	
Hub Assembly .....	512163
2004-1993 (Disc)	
Hub Assembly .....	512107
2003-2001 (Non-ABS) (Drum)	
Hub Assembly .....	512164
2000 (ABS) (Drum)	
Hub Assembly .....	512162
2000-1990 (Non-ABS) (Drum)	
Hub Assembly .....	512106
1992-1990 (Disc)	
Hub Assembly .....	512105

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD- FRONT DRIVE - Taurus (cont.)</b>					
<b>REAR WHEEL(cont)</b>			<b>4-SPEED MANUAL TRANSAXLE</b>		
1989-1986	All		<b>Differential</b>		
	Seal ; Inner .....	6815	1989-1986	(MTX II) (2 pinion)	
	Cup/Cone; Inner .....	A6		Cup/Cone .....	A35
	Cup/Cone; Outer .....	A12	<b>Output Shaft</b>		
<b>CLUTCH</b>			1990-1986	(MTX II)	
<b>Pilot Bearing</b>				Repair Sleeve .....	99169
1992-1989	All			Seal .....	3622
	Ball Bearing .....	202SS	<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Release Bearing</b>			1990-1986	(MTX II)	
1997-1996	8 Cyl 3.4L SHO			Seal Viton .....	710274
	Bearing Assembly .....	614118	<b>Input Shaft</b>		
1996-1993	6 Cyl 3.0L		1990-1986	(MTX II)	
	Bearing Assembly .....	614060		Cone/Cup .....	LM67049A-LM67010
1996-1993	6 Cyl 3.0L			Repair Sleeve .....	99112
	Bearing Assembly Opt Bear .....	614118		Seal .....	3638
	and Sleeve Kit .....		<b>5-SPEED MANUAL TRANSAXLE</b>		
1995-1989	6 Cyl 3.0L DOHC SHO		<b>Differential</b>		
	Bearing Assembly .....	614060	1995-1991	(Mazda F52)	
1995-1989	6 Cyl 3.0L DOHC SHO			Cup/Cone .....	A17
	Bearing Assembly Opt Bear .....	614118	1995-1986	(MTX III)	
	and Sleeve Kit .....			Cup/Cone .....	A35
1992-1989	6 Cyl 3.0L		<b>Output Shaft</b>		
	Bearing Assembly .....	614079	1995-1991	(Mazda F52)	
1991-1989	4 Cyl 2.5L			Repair Sleeve; LH .....	99139
	Bearing Assembly .....	614060		Seal ; RH .....	2007N
	Bearing Assembly Opt Brg. ....	614118		Seal ; LH .....	223543
<b>3-SPEED AUTOMATIC TRANSAXLE</b>			1995-1986	(MTX III)	
<b>Differential</b>				Repair Sleeve .....	99169
1994-1986	All			Seal .....	3622
	Ball Bearing .....	208	<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Output Shaft</b>			1995-1986	(MTX III)	
1994-1986	All			Seal Viton .....	710274
	Repair Sleeve .....	99169	<b>Input Shaft</b>		
	Seal .....	3622	1995-1991	(Mazda F52)	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal .....	222430
1994-1986	All		1995-1986	(MTX III)	
	Seal .....	342517		Cone/Cup .....	LM67049A-LM67010
<b>Torque Converter</b>				Repair Sleeve .....	99112
1994-1986	All			Seal .....	3638
	Seal .....	4539H	<b>Countershaft</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			1995-1991	(Mazda F52)	
<b>Differential</b>				Cone/Cup ; Frt .....	32205
2002-1986	(AX4, AXOD)		1995-1986	(MTX III)	
	Ball Bearing .....	208		Cup/Cone .....	A16
<b>Torque Converter / Frt Pump</b>			<b>CAMSHAFT SEAL</b>		
2005-1986	(AX4, AXOD)		<b>6 Cylinder</b>		
	Seal .....	4189H	2002-1989	182/3.0L (DOHC)	
<b>Output Shaft</b>				Repair Sleeve .....	99157
2005-1986	(AX4, AXOD)			Seal .....	1213N
	Repair Sleeve .....	99169			
	Seal .....	3622			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **FORD- FRONT DRIVE - Taurus (cont.)**

### **CAMSHAFT SEAL(cont)**

#### **6 Cylinder(cont)**

1995-1993	195/3.2L (DOHC)	
Repair Sleeve .....		99157
Seal .....		1213N

#### **8 Cylinder**

1999-1996	206/3.4L (DOHC)	
Seal .....		710444

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

1991-1986	153/2.5L	
Seal .....		714075

#### **6 Cylinder**

2006-1986	182/3.0L OHV	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

2005-1996	182/3.0L (DOHC)	
Repair Sleeve .....		99187
Seal .....		482041N

1995-1993	195/3.2L (DOHC)	
Seal .....		710220

1995-1989	182/3.0L (DOHC)	
Seal .....		710220

1995-1988	232/3.8L	
Repair Sleeve .....		99187
Seal .....		2692

#### **8 Cylinder**

1999-1996	206/3.4L (DOHC)	
Repair Sleeve .....		99187
Seal .....		482041N

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

1991-1986	153/2.5L	
Seal .....		3772
Seal PTFE H/D .....		

### **CRANKSHAFT REAR SEAL(cont)**

#### **6 Cylinder**

2006-1986	182/3.0L (OHV)	
Seal .....		3772
Seal PTFE H/D .....		

2005-1996	182/3.0L (DOHC)	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

1995-1993	195/3.2L (DOHC)	
Seal .....		710219

1995-1989	182/3.0L (DOHC)	
Seal .....		710219

1995-1988	232/3.8L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

#### **8 Cylinder**

1999-1996	206/3.4L (DOHC)	
Seal .....		710219

## **FORD- FRONT DRIVE - Taurus X**

### **FRONT WHEEL**

#### **2WD**

2008	All	
Hub Assembly .....		513223

### **REAR WHEEL**

#### **2WD**

2008	All	
Hub Assembly .....		512299

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **FORD- FRONT DRIVE, AWD - Freestyle**

### **FRONT WHEEL**

#### **4WD/AWD**

2007-2005	All	
Hub Assembly .....		513223

## **FORD- FRONT DRIVE, AWD - Taurus X**

### **FRONT WHEEL**

#### **4WD/AWD**

2008	All	
Hub Assembly .....		513223

## **FORD- REAR DRIVE - Brougham, Country Sedan, Country Squire, Crown Victoria, Custom, Edsel, Galaxie, LTD, Parklane, Ranchero, Ranch Wagon, Squire, Skyliner, XL**

### **FRONT WHEEL**

2008-2005	From 2/24/05	
Hub Assembly .....		513230
2005-2003	(Thru 2/23/05)	
Hub Assembly .....		513196
2002-1997	(From 4/1/97)	
Hub Assembly .....		513202
1997-1992	(Thru 3/31/97)	
Hub Assembly .....		513104
1991-1980	All	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A18
Cup/Cone; Outer .....		A12
1986-1983	LTD	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A12

### **REAR WHEEL**

2007-1980	All	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

### **REAR AXLE**

#### **Differential**

2006-1989	(8.8" R.G.)	
Cup/Cone .....		A36
1991-1982	(8.5" R.G.)	
Cup/Cone .....		A36
1988-1980	(7.5" R.G.)	
Cone/Cup .....	LM501349-LM501314	
1988-1980	(8.8" R.G.)	
Cup/Cone .....		A36

### **REAR AXLE(cont)**

#### **Pinion**

2006-1980	(8.8" R.G.)	
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
1991-1982	(8.5" R.G.)	
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
1988-1980	(7.5" R.G.)	
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
1982-1980	(6.75" R.G.)	
Seal .....		3618
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	
1980	(8" R.G.)	
Seal .....		3618
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M86649-M86610	
Cyl. Bearing .....		R1558TAV

### **3-SPEED AUTOMATIC TRANSMISSION**

#### **Rear Seal/Ext. Housing**

1982-1980	(C4)	
Seal .....		7692S
Seal Kit .....		5202
1980	(C6)	
Seal .....		7300S
Seal Kit .....		5203

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD- REAR DRIVE - Brougham, Country Sedan, Country Squire, Crown Victoria, Custom, Edsel, Galaxie, LTD, Parklane, Ranchero, Ranch Wagon, Squire, Skyliner, XL (cont.)</b>					

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

<b>Selector Shaft Seal/Man. Shaft</b>		
1982-1980	(C4)	
Seal .....		240816
1982-1980	(w/o C4)	
Seal .....		7929S
<b>Torque Converter</b>		
1982-1980	(C4, C6)	
Seal .....		331107N

## 4-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
2002-1995	(AODE)	
Seal .....		4764
1994-1992	(AODE)	
Seal .....		7692S
Seal Kit .....		5202
1991-1981	(AOT, AOD) (long boot)	
Seal .....		7692S
Seal Kit .....		5202
1991-1981	(AOT, AOD) (short boot)	
Seal .....		7692S
Seal Kit .....		5202

<b>Selector Shaft Seal/Man. Shaft</b>		
2005-1981	All	
Seal .....		240816

<b>Torque Converter</b>		
1993-1981	(AOT, AOD)	
Seal .....		331107N

## ALTERNATOR

1991-1980	(Motorcraft)	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S

## A/C COMPRESSOR

2002-1991	(Nippondenso FX 15) (axial)	
Ball Bearing .....		5106WCC
1996-1987	(Nippondenso 6E171) (axial)	
Ball Bearing .....		5000KFF
1990-1983	(Ford FS6) (axial)	
Ball Bearing .....		5000KFF
1990-1980	(Frigidaire A6) (axial)	
Ball Bearing .....		907257
1983-1980	(Tecumseh York) (axial)	
Ball Bearing .....		5106WCC

## POWER STEERING

<b>Input Shaft</b>		
1994-1980	All	
Seal .....		471645

## POWER STEERING(cont)

<b>Pump Shaft</b>		
2001-1980	All	
Seal .....		8773S
<b>Worm Shaft</b>		
2001-1980	All	
Ball Bearing .....		201CC

## CRANKSHAFT FRONT SEAL

<b>8 Cylinder</b>		
2006-1992	281/4.6L	
Repair Sleeve .....		99187
Seal .....		482041N
1991-1980	(w/o 281/4.6, 292/4.8)	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

## CRANKSHAFT REAR SEAL

<b>8 Cylinder</b>		
2006-1984	281/4.6L, 302/5.0L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
1991-1984	351/5.8L (W)	
Seal Viton .....		2377
Repair Sleeve .....		99372
Seal PTFE H/D .....		5278
1983	302/5.0L From 11/82	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
1983	302/5.0L Thru 11/82	
Seal Rope .....		5095
Seal Split .....		5108
1983	351/5.8L (W) From 7/10/83	
Seal Viton .....		2377
Repair Sleeve .....		99372
Seal PTFE H/D .....		5278
1983	351/5.8L (W) To 7/10/83	
Seal Rope .....		5095
Seal Split .....		5108
1982-1980	260/4.3, 289/4.7, 302/5.0, 351/5.8(C), 351/5.8 (W)	
Seal Rope .....		5095
Seal Split .....		5108

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD- REAR DRIVE - Fairmont</b>					
<b>FRONT WHEEL</b>			<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
1983-1980	All		<b>Torque Converter</b>		
	Seal ; Inner .....	6815	1983-1980	(C3)	
	Cup/Cone; Inner .....	A17		Seal .....	2658
	Cup/Cone; Outer .....	A12	1983-1980	(C4, C5)	
<b>REAR WHEEL</b>				Seal .....	331107N
1983-1980	(Exc. WGX Axle)		1980	(Jatco 3N71)	
	Ball Bearing .....	RW207CCRA		Seal Viton .....	2025
	Seal .....	3214	<b>4-SPEED MANUAL TRANSMISSION</b>		
1983-1980	(WGX Axle)		<b>Selector Shaft Seal/Man. Shaft</b>		
	Seal .....	8660S	1983-1980	(Tremec)	
	Cyl. Bearing .....	5707		Seal .....	313156
	Optional Repair Bearing .....	RP5707 <sup>91</sup>	<b>Input Shaft</b>		
<b>REAR AXLE</b>			1983-1980	(German Design ET)	
<b>Differential</b>				Ball Bearing .....	207LO
1983-1980	All			Seal .....	
	Cone/Cup .....	LM501349-LM501314	1983-1980	(Tremec)	
<b>Pinion</b>				Ball Bearing .....	209L
1983-1980	(6.75" R.G.)			Repair Sleeve .....	99112
	Seal .....	3618		Seal .....	3638
	Cone/Cup ; Outer .....	M86649-M86610	<b>Rear Output Shaft</b>		
	Cone/Cup ; Inner .....	HM88648-HM88610	1983-1980	(German Design ET)	
1983-1980	(8.5" R.G.)			Ball Bearing .....	2443
	Seal Viton .....	3604		Seal .....	
	Cone/Cup ; Outer .....	M88048-M88010	1983-1980	(Tremec 170, 171, 174)	
	Cone/Cup ; Inner .....	M802048-M802011		Seal .....	7692S
1983-1980	(8.8" R.G.)			Seal Kit .....	5202
	Seal Viton .....	3604	<b>CAMSHAFT SEAL</b>		
	Cone/Cup ; Outer .....	M88048-M88010	<b>4 Cylinder</b>		
	Cone/Cup ; Inner .....	M802048-M802011	1983-1980	140/2.3L	
1982-1980	(7.5" R.G.)			Seal .....	2955
	Seal Viton .....	3604	<b>CRANKSHAFT FRONT SEAL</b>		
	Cone/Cup ; Outer .....	M88048-M88010	<b>4 Cylinder</b>		
	Cone/Cup ; Inner .....	M802048-M802011	1983-1980	140/2.3L	
1980	(8" R.G.)			Seal .....	2955
	Seal .....	3618	<b>6 Cylinder</b>		
	Cone/Cup ; Outer .....	M86649-M86610	1983-1980	200/3.3L	
	Cone/Cup ; Inner .....	M86649-M86610		Repair Sleeve .....	99174
	Cyl. Bearing .....	R1558TAV		Seal .....	7486S
<b>3-SPEED AUTOMATIC TRANSMISSION</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Rear Seal/Ext. Housing</b>			<b>4 Cylinder</b>		
1983-1980	(C3)		1983-1980	140/2.3L	
	Seal .....	2655		Seal Rope .....	5095
1983-1980	(C4, C5)			Seal Split .....	5108
	Seal .....	7692S	<b>6 Cylinder</b>		
	Seal Kit .....	5202	1983-1980	200/3.3L	
1980	(Jatco 3N71)			Seal Rope .....	5095
	Seal .....	7692S		Seal Split .....	5116
	Seal Kit .....	5202	<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			1983-1980	(C4, C5)	
1983-1980	(C4, C5)			Seal .....	240816
1983-1980	(w/o C4)		1983-1980	(w/o C4)	
	Seal .....	7929S		Seal .....	

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- REAR DRIVE - Fairmont (cont.)

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder

1982-1980	255/4.2		
Seal Rope .....			5095
Seal Split .....			5108

## FORD- REAR DRIVE - Granada

### FRONT WHEEL

1982-1981	All		
Seal ; Inner .....			6815
Cup/Cone; Inner .....			A17
Cup/Cone; Outer .....			A12
1980	All		
Seal ; Inner .....			6815
Cup/Cone; Inner .....			A13
Cup/Cone; Outer .....			A12

### REAR WHEEL

1982-1981	All		
Seal .....			8660S
Cyl. Bearing .....			5707
Optional Repair Bearing .....			RP5707 <sup>91</sup>
1980	(9" R.G.)		
Ball Bearing .....			RW207CCRA
Seal .....			9569S

### REAR AXLE

#### Differential

1982-1981	(7.5" R.G.)		
Cone/Cup .....			LM501349-LM501314
1980	(8" R.G.)		
Cup/Cone .....			A35

#### Pinion

1982-1980	(6.75" R.G.)		
Seal .....			3618
Cone/Cup ; Outer .....			M86649-M86610
Cone/Cup ; Inner .....			HM88648-HM88610
1982-1980	(7.5" R.G.)		
Seal Viton .....			3604
Cone/Cup ; Outer .....			M88048-M88010
Cone/Cup ; Inner .....			M802048-M802011
1982-1980	(8.5" R.G.)		
Seal Viton .....			3604
Cone/Cup ; Outer .....			M88048-M88010
Cone/Cup ; Inner .....			M802048-M802011
1982-1980	(8.8" R.G.)		
Seal Viton .....			3604
Cone/Cup ; Outer .....			M88048-M88010
Cone/Cup ; Inner .....			M802048-M802011

### REAR AXLE(cont)

#### Pinion(cont)

1980	(8" R.G.)		
Cone/Cup ; Outer .....			M86649-M86610
Cone/Cup ; Inner .....			M86649-M86610
Seal ; Outer .....			3618
Cyl. Bearing .....			R1558TAV

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1982-1980	(C3)		
Seal .....			2655
1982-1980	(C4, C5)		
Seal .....			7692S
Seal Kit .....			5202
1980	(Jatco 3N71)		
Seal .....			7692S
Seal Kit .....			5202

#### Selector Shaft Seal/Man. Shaft

1982-1980	(C4, C5)		
Seal .....			240816
1982-1980	(w/o C4)		
Seal .....			7929S

#### Torque Converter

1982-1980	(C3)		
Seal .....			2658
1982-1980	(C4, C5)		
Seal .....			331107N
1980	(Jatco 3N71)		
Seal Viton .....			2025

### 4-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1982-1980	(Tremec)		
Seal .....			313156

#### Input Shaft

1982-1980	(German Design ET)		
Ball Bearing .....			207LO
Seal .....			
1982-1980	(Tremec)		
Ball Bearing .....			209L
Repair Sleeve .....			99112
Seal .....			3638

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- REAR DRIVE - Granada (cont.)

### 4-SPEED MANUAL TRANSMISSION(cont)

#### Rear Output Shaft

1982-1980	(German Design ET)	
Ball Bearing	.....	2443
Seal	.....	
1982-1980	(Tremec 170, 171, 174)	
Seal	.....	7692S
Seal Kit	.....	5202

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1982-1981	140/2.3L	
Seal	.....	2955

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1982-1981	140/2.3L	
Seal Rope	.....	5095
Seal Split	.....	5108

## FORD- REAR DRIVE - Mustang; incl. Boss, Cobra, GT, Mach I, McLaren, Saleen, Shelby, SVO, SVT

### FRONT WHEEL

2006-2005	(ABS, Non-ABS)	
Hub Assembly	.....	513221
2004-1994	All	
Hub Assembly	.....	513115
1993-1984	5.0 GT, McLaren, Saleen, SVO	
Seal ; Inner	.....	9150S
Cup/Cone; Inner	.....	A5
1993-1980	(Exc. 5.0 GT, McLaren, Saleen,SVO)	
Seal ; Inner	.....	6815
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A12

### REAR WHEEL

2005	All	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>
2004-1999	(Indep. Rr. Susp.)	
Ball Bearing	.....	513058
2004-1980	(Exc. Indep. Rr. Susp.)	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>91</sup>
1983-1980	(6.75" R.G.)	
Ball Bearing	.....	RW207CCRA
Seal	.....	3214

### REAR AXLE

#### Differential

2006	(7.5" R.G.) (Exc. Posi-Trac Diff.)	
Cone/Cup	.....	LM501349-LM501314
2005-2003	(7.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314
2004-1989	(8.8" R.G.)	
Cup/Cone	.....	A36
2002-1989	(7.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314

### REAR AXLE(cont)

#### Differential(cont)

1988-1986	(8.8" R.G.)	
Cup/Cone	.....	A36
1988-1980	(7.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314
1986-1980	(6.75" R.G.)	
Cone/Cup	.....	LM501349-LM501314

#### Pinion

2006-1980	(7.5" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
2004-1980	(8.8" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
1983-1980	(6.75" R.G.)	
Seal	.....	3618
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM88648-HM88610

#### Axle Shaft

2002-1986	(IRS 7.5" R.G., IRS 8.8" R.G.)	
Seal Viton	.....	714569

### CLUTCH

#### Pilot Bearing

2002-1996	8 Cyl 281ci/4.6L	
Needle Bearing	.....	FC68329
1995	8 Cyl 351ci/5.8L	
Needle Bearing	.....	FC65662
1995-1982	8 Cyl 302ci/5.0L	
Needle Bearing	.....	FC65174
1993-1974	4 Cyl 140ci/2.3L	
Needle Bearing	.....	FC65354

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD- REAR DRIVE - Mustang; incl. Boss, Cobra, GT, Mach I, McLaren, Saleen, Shelby, SVO, SVT (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Pilot Bearing(cont)</b>		
1979-1975	8 Cyl 302ci/5.0L	
	Needle Bearing .....	FC65174
1973-1969	8 Cyl 351ci/5.8L	
	Needle Bearing .....	FC65662
<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1986-1980	(C3)	
	Seal .....	2655
1986-1980	(C4, C5)	
	Seal .....	7692S
	Seal Kit .....	5202
<b>Selector Shaft Seal/Man. Shaft</b>		
1986-1980	(C4)	
	Seal .....	240816
1986-1980	(w/o C4)	
	Seal .....	7929S
<b>Torque Converter</b>		
1986-1980	(C3)	
	Seal .....	2658
1986-1980	(C4, C5)	
	Seal .....	331107N
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2002-1995	(AODE)	
	Seal .....	4764
1997-1985	(A4LD, C3)	
	Seal .....	2655
1994-1992	(AODE)	
	Seal .....	7692S
	Seal Kit .....	5202
1993-1983	(AOT, AOD) (long boot)	
	Seal .....	7692S
	Seal Kit .....	5202
<b>Selector Shaft Seal/Man. Shaft</b>		
2005-1990	(A4LD, AODEW, 4R70W,4R75W)	
	Seal .....	240816
1989-1983	All	
	Seal .....	7929S
<b>Torque Converter</b>		
2002-1992	(AODE)	
	Seal .....	3404
1997-1985	(A4LD, C3)	
	Seal .....	710403
1993-1983	(AOT, AOD)	
	Seal .....	331107N

<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Input Shaft</b>		
1986-1980	(German Design ET)	
	Ball Bearing .....	207LO
	Seal .....	
1983-1980	(Tremec 174)	
	Ball Bearing .....	209L
	Repair Sleeve .....	99112
	Seal .....	3638
1982-1980	(Tremec 171)	
	Ball Bearing .....	308L4
	Repair Sleeve .....	99112
	Seal .....	3638
1982-1980	(Warner SR4)	
	Ball Bearing .....	207LO
	Repair Sleeve .....	99112
	Seal .....	3638
<b>Rear Output Shaft</b>		
1986-1980	(German Design ET)	
	Ball Bearing .....	2443
	Seal .....	
1983-1980	(Tremec 174)	
	Ball Bearing .....	307L
	Seal .....	7692S
	Seal Kit .....	5202
1982-1980	(Tremec 171)	
	Ball Bearing .....	308L4
	Seal .....	7692S
	Seal Kit .....	5202
1982-1980	(Warner SR4) (25 spline) (1.375"shaft)	
	Ball Bearing .....	207L
	Seal .....	
<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1983-1980	(Tremec 140, 141)	
	Seal .....	314267N
<b>Front Input Shaft</b>		
2002-1996	(Warner T45)	
	Cone/Cup .....	M88048-M88010
	Repair Sleeve .....	99125
	Seal .....	7412S
2002-1994	(Warner T5 World Class)	
	Repair Sleeve .....	99125
	Seal .....	7412S
	Cup/Cone .....	A5
1996-1980	(Tremec 3550)	
	Cone/Cup .....	99112
	Repair Sleeve .....	3638
	Seal .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD- REAR DRIVE - Mustang; incl. Boss, Cobra, GT, Mach I, McLaren, Saleen, Shelby, SVO, SVT (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft(cont)

<b>1993-1987</b>	<b>(Warner T5 World Class) (L4)</b>	
Cone/Cup .....	M88048-M88010	
Repair Sleeve .....	99125	
Seal .....	7412S	
<b>1993-1987</b>	<b>(Warner T5 World Class) (V6 ) (V8)</b>	
Repair Sleeve .....	99125	
Seal .....	7412S	
Cup/Cone .....	A5	
<b>1986-1983</b>	<b>(Warner T5 World Class)</b>	
Repair Sleeve .....	99125	
Seal .....	7412S	
Cup/Cone .....	A5	
<b>1983-1980</b>	<b>(Tremec 140, 141)</b>	
Seal .....	482163N	
Cup/Cone .....	A5	

### Rear Output Shaft

<b>2002-1996</b>	<b>(Warner T45)</b>	
Cone/Cup .....	25572-25520	
Seal .....	710426	
<b>1996-1980</b>	<b>(Tremec 3550)</b>	
Seal .....	7692S	
Seal Kit .....	5202	
<b>1983-1980</b>	<b>(Tremec 140, 141)</b>	
Seal .....	222820	
Cup/Cone .....	A5	

### Countershaft

<b>2004-1985</b>	<b>(Warner T5 World Class)</b>	
Cone/Cup ; Frt .....	A6	
Cup/Cone; Rr .....		
<b>2002-1996</b>	<b>(Warner T45)</b>	
Cup/Cone; Frt .....	A6	
Cup/Cone; Rr .....	A6	
<b>1996-1980</b>	<b>(Tremec 3550)</b>	
Cone/Cup ; Rr .....	1380-1328	
Cone/Cup ; Frt .....	1380-1328	
<b>1983-1980</b>	<b>(Tremec 140, 141)</b>	
Cup/Cone; Frt .....	A2	
Cup/Cone; Rr .....	A6	

### Mainshaft Pilot

<b>2002-1996</b>	<b>(Warner T45)</b>	
Cup/Cone .....	A1	
<b>1995-1993</b>	<b>(Warner T5 World Class) (Cobra)</b>	
Cup/Cone .....	A1	

### Reverse Idler

<b>2002-1996</b>	<b>(Warner T45)</b>	
Ball Bearing .....	207	

## CAMSHAFT SEAL

### 4 Cylinder

<b>1993-1980</b>	<b>All</b>	
Seal .....	2955	

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

<b>1993-1980</b>	<b>All</b>	
Seal .....		2955

### 6 Cylinder

<b>2004-1983</b>	<b>232/3.8L</b>	
Seal ; Frt .....		2692
Repair Sleeve; Frt .....		99187
Seal ; Rr .....		2942
Repair Sleeve; Rr .....		99187
<b>1982-1980</b>	<b>170/2.8, 200/3.3</b>	
Repair Sleeve .....		99174
Seal .....		7486S

### 8 Cylinder

<b>2005-1996</b>	<b>281/4.6L</b>	
Repair Sleeve .....		99187
Seal .....		482041N
<b>1995-1980</b>	<b>255/4.2L, 302/5.0L, 351/5.8L (W)</b>	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

## CRANKSHAFT REAR SEAL

### 4 Cylinder

<b>1993-1982</b>	<b>All</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>1981-1980</b>	<b>All</b>	
Seal Rope .....		5095
Seal Split .....		5108

### 6 Cylinder

<b>2006-2005</b>	<b>245/4.0L</b>	
Seal Viton .....		3393
<b>2004-1983</b>	<b>232/3.8L from 12/31/82</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>1983</b>	<b>232/3.8L to 12/31/82</b>	
Seal Rope .....		5095
Seal Split .....		5108
<b>1982-1980</b>	<b>170/2.8, 200/3.3</b>	
Seal Rope .....		5095
Seal Split .....		5116

### 8 Cylinder

<b>2005-1984</b>	<b>281/4.6L, 302/5.0L</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD- REAR DRIVE - Mustang; incl. Boss, Cobra, GT, Mach I, McLaren, Saleen, Shelby, SVO, SVT (cont.)</b>					

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1985	351/5.8L (W)	
	Seal Viton .....	2377
	Repair Sleeve .....	99372
	Seal PTFE H/D .....	5278
1983	302/5.0L From 12/82	
	Seal Viton .....	3909
	Repair Sleeve .....	99363
	Seal PTFE H/D .....	
1983	302/5.0L Thru 11/82	
	Seal Rope .....	5095
	Seal Split .....	5108

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1982-1980	255/4.2, 260/4.3, 289/4.7, 302/5.0, 351/5.8 (C), 351/5.8 (W)	
	Seal Rope .....	5095
	Seal Split .....	5108

## FORD- REAR DRIVE - Pinto

<b>FRONT WHEEL</b>		
1980	All	
	Seal ; Inner .....	6815
	Cup/Cone; Inner .....	A13
	Cup/Cone; Outer .....	A12

<b>REAR WHEEL</b>		
1980	All	
	Ball Bearing .....	RW207CCRA
	Seal .....	3214

<b>REAR AXLE</b>		
<b>Differential</b>		
1980	(6.75" R.G.)	
	Cone/Cup .....	LM501349-LM501314
1980	(8" R.G.)	
	Cup/Cone .....	A35
<b>Pinion</b>		
1980	(6.75" R.G.)	
	Seal .....	3618
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM88648-HM88610
1980	(8" R.G.)	
	Seal .....	3618
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M86649-M86610
	Cyl. Bearing .....	R1558TAV

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1980	(C3)	
	Seal .....	2655
1980	(C4, C5)	
	Seal .....	7692S
	Seal Kit .....	5202
<b>Selector Shaft Seal/Man. Shaft</b>		
1980	(C4, C5)	
	Seal .....	240816

<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Torque Converter</b>		
1980	(C3)	
	Seal .....	2658
1980	(C4, C5)	
	Seal .....	331107N

<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1980	(Tremec)	
	Seal .....	313156
<b>Input Shaft</b>		
1980	(German Design ET)	
	Ball Bearing .....	207LO
	Seal .....	
1980	(Tremec)	
	Ball Bearing .....	209L
	Repair Sleeve .....	99112
	Seal .....	3638
<b>Rear Output Shaft</b>		
1980	(German Design ET)	
	Ball Bearing .....	2443
	Seal .....	
1980	(Tremec 170, 171, 174)	
	Seal .....	7692S
	Seal Kit .....	5202

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
1980	140/2.3L	
	Seal .....	2955

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1980	140/2.3L	
	Seal .....	2955

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- REAR DRIVE - Pinto (cont.)

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1980	140/2.3L	
Seal Rope .....		5095
Seal Split .....		5108

## FORD- REAR DRIVE - Thunderbird

### FRONT WHEEL

<b>2005-2002</b>	<b>All</b>	
Hub Assembly .....		513167
<b>1997-1991</b>	<b>All</b>	
Hub Assembly .....		513092
<b>1990-1989</b>	<b>(ABS)</b>	
Hub Assembly .....		513076
<b>1990-1989</b>	<b>(Non-ABS)</b>	
Hub Assembly .....		513077
<b>1988-1984</b>	<b>(Coupe) (Turbo)</b>	
Seal ; Inner .....		9150S
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A12
<b>1988-1980</b>	<b>(Exc. Turbo)</b>	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A12

### REAR WHEEL

<b>2005-2002</b>	<b>All</b>	
Ball Bearing .....		511032
<b>1997-1989</b>	<b>All</b>	
Ball Bearing .....		513058
<b>1988-1980</b>	<b>(Solid Axle) (7.5", 8.5", 8.8" R.G.)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

### REAR AXLE

#### Differential

<b>2005-2002</b>	<b>(8" R.G.)</b>	
Cup/Cone .....		A36
<b>1997-1987</b>	<b>(8.8" R.G.)</b>	
Cup/Cone .....		A36
<b>1997-1980</b>	<b>(7.5" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314

#### Pinion

<b>2005-2002</b>	<b>(8" R.G.)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
<b>1997-1980</b>	<b>(7.5" R.G.)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

### REAR AXLE(cont)

#### Pinion(cont)

<b>1997-1980</b>	<b>(8.8" R.G.)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1988-1980</b>	<b>(8.5" R.G.)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1982-1980</b>	<b>(6.75" R.G.)</b>	
Seal .....		3618
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88648-HM88610
<b>1980</b>	<b>(8" R.G.)</b>	
Seal .....		3618
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M86649-M86610
Cyl. Bearing .....		R1558TAV

#### Axle Shaft

<b>2002</b>	<b>(8" R.G.)</b>	
Seal Viton .....		714569
<b>1997-1980</b>	<b>(7.5", 8.8" R.G.)</b>	
Seal Viton .....		714569

### CLUTCH

#### Pilot Bearing

<b>1995-1989</b>	<b>6 Cyl 3.8L</b>	
Needle Bearing .....		FC65174

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1986-1982</b>	<b>(C5)</b>	
Seal .....		7692S
<b>1986-1980</b>	<b>(C3)</b>	
Seal .....		2655
<b>1982-1980</b>	<b>(C6)</b>	
Seal .....		7300S
Seal Kit .....		5203
<b>1980</b>	<b>(C4)</b>	
Seal .....		7692S
Seal Kit .....		5202

#### Selector Shaft Seal/Man. Shaft

<b>1986-1980</b>	<b>(C3)</b>	
Seal .....		7929S

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- REAR DRIVE - Thunderbird (cont.)

### 3-SPEED AUTOMATIC TRANSMISSION(cont)

#### Selector Shaft Seal/Man. Shaft(cont)

1986-1980 (C5)	
Seal .....	240816
1980 (C4)	
Seal .....	240816

#### Torque Converter

1986-1980 (C3)	
Seal .....	2658
1986-1980 (w/o C3)	
Seal .....	331107N

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1997-1994 (AODE)	
Seal .....	7692S
Seal Kit .....	5202
1993-1981 (AOT, AOD) (long boot)	
Seal .....	7692S
Seal Kit .....	5202
1988-1987 (A4LD)	
Seal .....	2655

#### Selector Shaft Seal/Man. Shaft

2004-2002 All	
Seal .....	240816
1997-1991 All	
Seal .....	240816
1987-1981 All	
Seal .....	7929S

#### Torque Converter

1993-1981 (AOT, AOD)	
Seal .....	331107N
1988-1987 (A4LD)	
Seal .....	2658

### 5-SPEED MANUAL TRANSMISSION

#### Extension Housing

1995-1989 (Mazda M5R2)	
Seal .....	710415

#### Front Input Shaft

1997-1989 Mazda	
Repair Sleeve .....	99114
Seal .....	223012
1988-1987 (Warner) (4Cyl.)	
Cone/Cup .....	M88048-M88010
Repair Sleeve .....	99125
Seal .....	7412S
1988-1987 (Warner) (w/o 4 Cyl.)	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5

### 5-SPEED MANUAL TRANSMISSION(cont)

#### Front Input Shaft(cont)

1986-1983 (Warner)	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5

#### Rear Output Shaft

1988-1983 (Warner T5 World Class)	
Cone/Cup .....	25877-25821
Seal .....	7692S
Seal Kit .....	5202

#### Countershaft

1997-1989 (Mazda M5R2)	
Ball Bearing ; Rr .....	304
Cyl. Bearing ; Center .....	
1988-1985 (Warner T5 World Class)	
Cone/Cup ; Frt .....	A6
Cup/Cone; Rr .....	

### AUXILIARY SHAFT

#### 4 Cylinder

1988-1983 140/2.3L	
Seal .....	2955

### ALTERNATOR

1995-1994 Mitsubishi 110 Amp.	
Ball Bearing ; Drive End .....	303CC
1993-1980 (Motorcraft)	
Ball Bearing ; Drive End .....	203FF
Needle Bearing; Rear End .....	MNJ471S

### A/C COMPRESSOR

1997-1989 (Nippondenso FX 15) (axial)	
Ball Bearing .....	5106WCC
1990-1983 (Ford FS6) (axial)	
Ball Bearing .....	5000KFF
1990-1982 (Nippondenso 6P148) (axial)	
Ball Bearing .....	5001KFF
1990-1980 (Frigidaire A6) (axial)	
Ball Bearing .....	907257
1988-1984 Tecumseh HR980 (radial)	
Ball Bearing .....	5000KFF
1981-1980 (Tecumseh York) (axial)	
Ball Bearing .....	5106WCC

### POWER STEERING

#### Input Shaft

1993-1983 All	
Seal .....	471645
1982-1980 (Ford design)	
Seal .....	471645

#### Pump Shaft

1997-1983 All	
Seal .....	8773S
1982-1980 (Ford pump)	
Seal .....	8773S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD- REAR DRIVE - Thunderbird (cont.)

### POWER STEERING(cont)

#### Worm Shaft

1997-1985	All	
Ball Bearing .....		201CC
1984-1980	All	
Ball Bearing .....		201CC

#### Pitman Shaft

1982-1980	TRW design	
Seal .....		240733

### CAMSHAFT SEAL

#### 4 Cylinder

1988-1983	140/2.3L	
Seal .....		2955

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1988-1983	140/2.3L	
Seal .....		2955

#### 6 Cylinder

1997-1983	232/3.8L	
Seal ; Frt .....		2692
Repair Sleeve; Frt .....		99187
Seal ; Rr .....		2942
Repair Sleeve; Rr .....		99187

1982-1980	200/3.3L	
Repair Sleeve .....		99174
Seal .....		7486S

#### 8 Cylinder

1997-1994	All	
Repair Sleeve .....		99187
Seal .....		482041N

### CRANKSHAFT FRONT SEAL(cont)

#### 8 Cylinder(cont)

1993-1980	All	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1988-1983	140/2.3L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

#### 6 Cylinder

1997-1983	232/3.8L from 12/31/82	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

1983	232/3.8L to 12/31/82	
Seal Rope .....		5095
Seal Split .....		5108

1982	232/3.8L	
Seal Rope .....		5095
Seal Split .....		5108

1982-1980	200/3.3L	
Seal Rope .....		5095
Seal Split .....		5116

#### 8 Cylinder

1997-1984	281/4.6L, 302/5.0L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

1983	302/5.0L From 12/82	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

## FORD- REAR DRIVE - Thunderbird (cont.)

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder(cont)

1983	302/5.0L Thru 11/82	
Seal Rope .....		5095
Seal Split .....		5108
1982-1980	255/4.2L, 302/5.0L	
Seal Rope .....		5095
Seal Split .....		5108

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD IMPORT- Aspire

<b>FRONT WHEEL</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
1997-1994	All		<b>Output Shaft</b>		
	Seal ; Inner .....	4990	1997-1994	All	
	Seal ; Outer .....	710323		Repair Sleeve; LH .....	99139
	Cup/Cone; Inner .....	A18		Seal ; RH .....	2007N
	Cup/Cone; Outer .....	A18		Seal ; LH .....	223543
<b>REAR WHEEL</b>				Cone/Cup ; RH .....	32204
1997-1994	All			Cup/Cone; LH .....	A3
	Seal ; Inner .....	1126	<b>Selector Shaft Seal/Man. Shaft</b>		
	Cup/Cone; Inner .....	A4	1997-1994	All	
	Cup/Cone; Outer .....	A1		Seal .....	221620
<b>CLUTCH</b>			<b>Input Shaft</b>		
<b>Pilot Bearing</b>			1997-1994	All	
	Ball Bearing .....	202SS		Seal ; Frt .....	222238
<b>Release Bearing</b>				Ball Bearing ; Rr .....	304DD
1997-1994	All		<b>CAMSHAFT SEAL</b>		
	Bearing Assembly .....	614127	<b>4 Cylinder</b>		
<b>3-SPEED AUTOMATIC TRANSAXLE</b>			1997-1994	1324cc/1.3L	
<b>Differential</b>				Repair Sleeve .....	99114
1997-1994	All			Seal .....	223012
	Cone/Cup .....	32008	<b>CRANKSHAFT FRONT SEAL</b>		
<b>Output Shaft</b>			<b>4 Cylinder</b>		
1997-1994	All		1997-1994	1324cc/1.3L	
	Seal .....	2007N		Repair Sleeve .....	710355
<b>Torque Converter</b>				Seal .....	
1997-1994	All		<b>CRANKSHAFT REAR SEAL</b>		
	Seal .....	1012N	<b>4 Cylinder</b>		
<b>5-SPEED MANUAL TRANSAXLE</b>			1997-1994	1324cc/1.3L	
<b>Differential</b>				Seal .....	228250
1997-1994	All				
	Cup/Cone .....	A13			

## FORD IMPORT- Festiva

<b>FRONT WHEEL</b>			<b>CLUTCH(cont)</b>		
1993-1988	All		<b>Release Bearing</b>		
	Seal ; Inner .....	4990	1993-1988	All	
	Seal ; Outer .....	710323		Bearing Assembly .....	614127
	Cup/Cone; Inner .....	A18	<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
	Cup/Cone; Outer .....	A18	<b>Differential</b>		
<b>REAR WHEEL</b>			1993-1988	All	
1993-1988	All			Cone/Cup .....	32008
	Seal ; Inner .....	1126	<b>Output Shaft</b>		
	Cup/Cone; Inner .....	A4	1993-1988	All	
	Cup/Cone; Outer .....	A1		Seal .....	2007N
<b>CLUTCH</b>			<b>Torque Converter</b>		
<b>Pilot Bearing</b>			1993-1988	All	
	Ball Bearing .....	202SS		Seal .....	1012N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD IMPORT- Festiva (cont.)

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1989-1988	All	
Cup/Cone		A13

#### Output Shaft

1989-1988	All	
Repair Sleeve; LH		99139
Seal ; RH		2007N
Seal ; LH		223543
Cone/Cup ; RH		32204
Cup/Cone; LH		A3

#### Selector Shaft Seal/Man. Shaft

1989-1988	All	
Seal		221620

#### Input Shaft

1989-1988	All	
Seal		222238

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1993-1990	All	
Cup/Cone		A13

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Output Shaft

1993-1990	All	
Repair Sleeve; LH		99139
Seal ; RH		2007N
Seal ; LH		223543
Cone/Cup ; RH		32204
Cup/Cone; LH		A3

#### Selector Shaft Seal/Man. Shaft

1993-1990	All	
Seal		221620

#### Input Shaft

1993-1990	All	
Seal ; Frt		222238
Ball Bearing ; Rr		304DD

### CAMSHAFT SEAL

#### 4 Cylinder

1993-1988	1324cc/1.3L	
Repair Sleeve		99114
Seal		223012

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1993-1988	1324cc/1.3L	
Seal		228250

## FORD IMPORT- Fiesta

### FRONT WHEEL

1980	All	
Seal ; Inner		3723
Seal ; Outer		3743
Cup/Cone		A29

### REAR WHEEL

1980	All	
Seal ; Inner		3395
Cup/Cone; Inner		A4
Cup/Cone; Outer		A1

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1980	All	
Cone/Cup		LM29749-LM29711

#### Output Shaft

1980	All	
Repair Sleeve		99157
Seal		224020
Ball Bearing ; Rr		305L

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1980	98/1.6L	
Seal		3394

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1980	98/1.6L	
Seal Viton		3393
Repair Sleeve		99237
Seal PTFE H/D		5288

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD TRUCK- MINIVAN - Freestar, Windstar

<b>FRONT WHEEL</b>			<b>CRANKSHAFT FRONT SEAL</b>		
<b>2006-2004 (ABS)</b>			<b>6 Cylinder</b>		
Hub Assembly; RH .....		513233	<b>2006-2004 238/3.9L, 256/4.2L</b>		
Hub Assembly; LH .....		513232	Seal ; Frt .....		2692
<b>2003-1999 All</b>			Repair Sleeve; Frt .....		99187
Hub Assembly .....		513156	<b>2003-1995 232/3.8L</b>		
<b>1998-1995 All</b>			Seal ; Frt .....		2692
Ball Bearing .....		513058	Repair Sleeve; Frt .....		99187
			Seal ; Rr .....		2942
			Repair Sleeve; Rr .....		99187
			<b>2000-1995 183/3.0L</b>		
			Seal ; Frt .....		2692
			Repair Sleeve; Frt .....		99187
			Seal ; Rr .....		2942
			Repair Sleeve; Rr .....		99187
<b>REAR WHEEL</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>2003-1997 (From 8/4/97)</b>			<b>6 Cylinder</b>		
Hub Assembly .....		512149	<b>2006-2004 239/3.9L, 256/4.2L</b>		
<b>1997-1995 All</b>			Seal Viton .....		3909
Seal ; Inner .....		6815	<b>2003-1995 232/3.8L</b>		
Cone/Cup; Outer .....		A12	Seal Viton .....		3909
Cup/Cone; Inner .....		A6	Repair Sleeve .....		99363
			Seal PTFE H/D .....		
			<b>2000-1995 182/3.0L</b>		
			Seal .....		3772
			Seal PTFE H/D .....		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>					
<b>Differential</b>					
<b>2001-1995 All</b>					
Ball Bearing .....		208			
<b>Torque Converter / Frt Pump</b>					
<b>2004-2001 (AF50N/AX4N)</b>					
Seal .....		4189H			
<b>2000-1995 (AXODE, AX4S)</b>					
Seal .....		4189H			
<b>Output Shaft</b>					
<b>2004-2001 (AF50N/AX4N)</b>					
Repair Sleeve .....		99169			
Seal .....		3622			
<b>2000-1995 (AXODE, AX4S)</b>					
Repair Sleeve .....		99169			
Seal .....		3622			

## FORD TRUCK- LT TRUCK & LT SUV - Aerostar, Bronco II, Explorer, Ranger

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
<b>2WD</b>			<b>2WD(cont)</b>		
<b>2006-1995 Ranger</b>			<b>2001-1995 Explorer</b>		
Seal ; Inner .....		9150S	Seal ; Inner .....		9150S
Cup/Cone; Inner .....		A5	Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A2	Cup/Cone; Outer .....		A2
<b>2005-2002 Explorer</b>			<b>1997-1986 Aerostar</b>		
Hub Assembly .....		515050	Seal ; Inner .....		6815
<b>2005-2001 Explorer Sport, Sport Trac</b>			Cup/Cone; Inner .....		A6
Seal ; Inner .....		9150S	Cup/Cone; Outer .....		A2
Cup/Cone; Inner .....		A5	<b>1994-1991 Explorer</b>		
Cup/Cone; Outer .....		A2	Seal ; Inner .....		6815
			Cup/Cone; Inner .....		A6
			Cup/Cone; Outer .....		A2

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- LT TRUCK &amp; LT SUV - Aerostar, Bronco II, Explorer, Ranger</b>					
<b>(cont.)</b>					

## FRONT WHEEL(cont)

### 2WD(cont)

<b>1994-1983 Ranger</b>	
Seal ; Inner .....	6815
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2
<b>1989-1984 Bronco II</b>	
Seal ; Inner .....	6815
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2

### 4WD/AWD

<b>2006-2003 Ranger (4 Whl. ABS)</b>	
Hub Assembly .....	515052
<b>2006-2000 Ranger (Non-ABS) (Exc. Auto Locking Hu (From 6/22/2000))</b>	
Hub Assembly .....	515014
<b>2005-2003 Explorer Sport, Sport Trac</b>	
Hub Assembly .....	515052
<b>2005-2002 Explorer (4 Whl. ABS)</b>	
Hub Assembly .....	515050
<b>2002-2001 Explorer Sport, Sport Trac</b>	
Hub Assembly .....	515003
<b>2002-2000 Ranger (ABS) (Exc. Auto Locking Hub) (From 6/22/2000)</b>	
Hub Assembly .....	515013
<b>2001-1995 Explorer (5 Stud) (ABS)</b>	
Hub Assembly .....	515003
<b>2000-1998 Ranger (4 Whl. ABS) (To 6/21/2000)</b>	
Hub Assembly .....	515027
<b>2000-1998 Ranger (Non-ABS) (To 6/21/2000)</b>	
Hub Assembly .....	515026
<b>1997-1990 Aerostar</b>	
Hub Assembly .....	515000
<b>1997-1990 Bronco II, Ranger (Dana/Spice r28 Axle)</b>	
Seal ; Inner .....	8312
Cup/Cone; Inner .....	A35
Cup/Cone; Outer .....	A35
<b>1997-1990 Bronco II, Ranger (Dana/Spicer 35 Axle)</b>	
Seal ; Inner .....	4250
Cup/Cone; Inner .....	A37
Cup/Cone; Outer .....	A37
<b>1994-1991 Explorer</b>	
Seal ; Inner .....	4250
Cup/Cone; Inner .....	A37
Cup/Cone; Outer .....	A37
<b>1989-1984 All</b>	
Seal ; Inner .....	8312
Cup/Cone; Inner .....	A35
Cup/Cone; Outer .....	A35

## REAR WHEEL

<b>2006-1983 Ranger (7.5" R.G.)</b>	
Seal .....	8660S
Cyl. Bearing .....	5707
Optional Repair Bearing .....	RP5707 <sup>91</sup>
<b>2005-2002 Explorer (Indep. Rr. Susp.)</b>	
Hub Assembly .....	541002
<b>2005-2001 Explorer Sport, Sport Trac (Exc. Indep. R Susp.)</b>	
Seal .....	8835S
Cyl. Bearing .....	6408
Optional Repair Bearing .....	RP6408 <sup>91</sup>
<b>2005-1984 Ranger (8.8" R.G.)</b>	
Seal .....	8835S
Cyl. Bearing .....	6408
Optional Repair Bearing .....	RP6408 <sup>91</sup>
<b>2002-1998 Ranger (Elec.)</b>	
Ball Bearing .....	513058
<b>2001-1991 Explorer (Exc. Indep. Rr. Susp.)</b>	
Seal .....	8835S
Cyl. Bearing .....	6408
Optional Repair Bearing .....	RP6408 <sup>91</sup>
<b>1997-1990 Aerostar (8.8" R.G.)</b>	
Seal .....	8835S
Cyl. Bearing .....	6408
Optional Repair Bearing .....	RP6408 <sup>91</sup>
<b>1997-1986 Aerostar (7.5" R.G.)</b>	
Seal .....	8660S
Cyl. Bearing .....	5707
Optional Repair Bearing .....	RP5707 <sup>91</sup>
<b>1990-1987 Aerostar (Dana/Spicer 30 Axle)</b>	
Seal .....	2146
Wheel Brg .....	A9
<b>1990-1984 Bronco II</b>	
Seal .....	8660S
Cyl. Bearing .....	5707
Optional Repair Bearing .....	RP5707 <sup>91</sup>
<b>1984-1983 Ranger (6.7" R.G.)</b>	
Ball Bearing .....	RW207CCRA
Seal .....	9569S

## 4WD FRONT AXLE

### Differential

<b>2006-2001 Ranger</b>	
Cone/Cup .....	LM501349-LM501314
<b>2003-2001 Explorer (Dana/Spicer Super 30 axle)</b>	
Cone/Cup .....	LM501349-LM501314
<b>2000-1990 (Dana/Spicer 35 Axle)</b>	
Cone/Cup .....	LM501349-LM501314
<b>1999-1983 (Dana/Spicer 28 Axle)</b>	
Cone/Cup .....	LM29749-LM29710

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- LT TRUCK &amp; LT SUV - Aerostar, Bronco II, Explorer, Ranger</b>					
<b>(cont.)</b>					

<b>4WD FRONT AXLE(cont)</b>		
<b>Pinion</b>		
<b>2006-2001 Ranger</b>		
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	
Seal Viton ; Outer .....	714675	
<b>2003-2001 Explorer (Dana/Spicer Super 30 axle)</b>		
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	
<b>2000-1990 (Dana/Spicer 35 Axle)</b>		
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	
Seal Viton ; Outer .....	714675	
<b>1999-1983 (Dana/Spicer 28 Axle)</b>		
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M88048-M88010	
Seal ; Outer .....	4244	
<b>Axle Shaft</b>		
<b>2002 (Dana/Spicer 30 Axle)</b>		
Seal Viton .....	710429	
<b>2001 Explorer</b>		
Seal Viton ; LH .....	710429	
Seal Viton ; RH .....	710428	
<b>2001-1995 (Dana/Spicer 35 Axle)</b>		
Seal Viton ; LH .....	710429	
Seal Viton ; RH .....	710428	
<b>1997-1990 (Dana/Spicer 35IFS Axle)</b>		
Seal ; RH .....	470672	
Seal ; LH .....	710043	
Cyl. Bearing ; RH .....	5707	
<b>1997-1983 (Dana/Spicer 28IFS Axle)</b>		
Repair Sleeve; LH .....	99139	
Seal ; RH .....	710065	
Seal ; LH .....	3543	
<b>Spindle</b>		
<b>1997-1993 (Dana/Spicer 28IFS, 35IFS axle)</b>		
Seal ; Inner .....	722108	
Seal ; Outer .....		
<b>1997-1990 (Dana/Spicer 35IFS Axle)</b>		
Seal ; Inner .....	722109	
Seal ; Outer .....	722108	
<b>1992-1983 (Dana/Spicer 28IFS Axle)</b>		
Seal ; Inner .....	340835	
Seal ; Outer .....	8314	

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2006-1983 (7.5" R.G.)</b>		
Cone/Cup .....	LM501349-LM501314	
<b>1991-1983 (8.8" R.G.)</b>		
Cup/Cone .....	A36	
<b>1989-1986 (Dana/Spicer 30 Axle)</b>		
Cone/Cup .....	LM501349-LM501314	

<b>REAR AXLE(cont)</b>		
<b>Pinion</b>		
<b>2006-1983 (7.5", 8.8" R.G.)</b>		
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1989-1986 (Dana/Spicer 30 Axle)</b>		
Seal Viton .....		5778V
Cone/Cup ; Outer .....	M86647-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
<b>2002-1983 4 Cyl Gas</b>		
Needle Bearing .....		FC65354
<b>2001-1986 6 Cyl 3.0L</b>		
Needle Bearing .....		FC65354
<b>1998-1990 6 Cyl 4.0L</b>		
Needle Bearing .....		F33126
<b>1992 6 Cyl 2.9L</b>		
Needle Bearing .....		F33126
<b>1991-1983 6 Cyl 2.8L, 2.9L, w/ Mazda Trans</b>		
Needle Bearing .....		F33126
<b>1984-1983 4 Cyl 2.2L Diesel</b>		
Ball Bearing .....		202SS
<b>Release Bearing</b>		
<b>2001-1993 Hydraulic Clutch</b>		
Bearing Assembly .....		614169
<b>1992-1988 Hydraulic Clutch</b>		
Bearing Assembly .....		614061

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1985-1983 (C3)</b>		
Seal .....		2655
<b>1985-1983 (C5)</b>		
Seal .....		7692S
Seal Kit .....		5202
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1985-1983 (C3)</b>		
Seal .....		7929S
<b>1985-1983 (C5)</b>		
Seal .....		240816
<b>Torque Converter</b>		
<b>1985-1983 (C3)</b>		
Seal .....		2658
<b>1985-1983 (C5)</b>		
Seal .....		331107N

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>2002-1985 (A4LD, 4R44E, 4R55E)</b>		
Seal .....		2655
<b>2001-1996 (4R70W)</b>		
Seal .....		4765

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- LT TRUCK &amp; LT SUV - Aerostar, Bronco II, Explorer, Ranger</b>					
<b>(cont.)</b>					

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

<b>Selector Shaft Seal/Man. Shaft</b>		
2005-1985	All	
Seal	.....	240816

<b>Torque Converter</b>		
2001-1996	(4R70W)	
Seal	.....	3404
1996-1985	(A4LD, 4R44E, 4R55E)	
Seal	.....	2658

## 5-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
2002	(5R55W)	
Seal	.....	4765
2002-1997	(5R55E)	
Seal	.....	2655

<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1997	(5R55E, 5R55W)	
Seal	.....	7929S

## 4-SPEED MANUAL TRANSMISSION

<b>Input Shaft</b>		
1984-1983	(Mazda/Toyo Kogyo 4E, 4TB)	
Ball Bearing	.....	306L
Repair Sleeve	.....	1990
Seal	.....	

<b>Rear Output Shaft</b>		
1984-1983	(Mazda/Toyo Kogyo 4E, 4TB)	
Ball Bearing	.....	306L
Seal	.....	2443

<b>Countershaft</b>		
1984-1983	(Mazda/Toyo Kogyo, 4E)	
Ball Bearing ; Frt	.....	205FF
Ball Bearing ; Rr	.....	304
1984-1983	(Mazda/Toyo Kogyo, 4TB)	
Ball Bearing ; Frt	.....	5205KLE

## 5-SPEED MANUAL TRANSMISSION

<b>Front Input Shaft</b>		
2002-1988	(Mazda M5R1)	
Repair Sleeve	.....	1990
Seal	.....	
1991-1984	Mitsubishi	
Seal	.....	223014
1987-1983	(Mazda 5D, 5E, 5TB)	
Ball Bearing	.....	306L
Repair Sleeve	.....	1990
Seal	.....	

<b>Rear Output Shaft</b>		
2002-1988	(Mazda M5R1) (2WD)	
Seal	.....	7692S

## 5-SPEED MANUAL TRANSMISSION(cont)

<b>Rear Output Shaft(cont)</b>		
2002-1988	(Mazda M5R1) (4WD)	
Repair Sleeve	.....	99114
Seal	.....	1981
1991-1984	Mitsubishi	
Ball Bearing	.....	206L
Seal	.....	223608
1987-1983	(Mazda 5D, 5TB)	
Seal	.....	2443
1984-1983	(Mazda 5E)	
Ball Bearing	.....	305
Seal	.....	2443

<b>Countershaft</b>		
2004-1991	Mazda	
Ball Bearing ; Rr	.....	304
1987-1983	(Mazda 5D, 5E, 5TB)	
Ball Bearing ; Frt	.....	5205KLE
Ball Bearing ; Rr	.....	304

<b>Intermediate Shaft</b>		
1987-1983	(Mazda 5E, 5TB)	
Ball Bearing	.....	306L

## AUXILIARY SHAFT

<b>4 Cylinder</b>		
2001-1983	122/2.0, 140/2.3, 150/2.5	
Seal	.....	2955

## TRANSFER CASE

<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1983	All	
Seal	.....	330385

<b>Input Shaft</b>		
2002-1993	(Warner 1354)	
Ball Bearing	.....	109L
Seal	.....	710403
2001-1996	(Warner 4405)	
Ball Bearing	.....	209LO
Seal	.....	710403
1998-1996	(Warner 4404) (booted)	
Seal	.....	4333N
1998-1996	(Warner 4404) (w/o boot)	
Repair Sleeve	.....	99187
Seal	.....	3946
1997-1990	(Spicer TC28)	
Ball Bearing	.....	209D
Seal	.....	710389
1992-1990	(Warner 1354)	
Ball Bearing	.....	109L
Seal	.....	710403

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- LT TRUCK &amp; LT SUV - Aerostar, Bronco II, Explorer, Ranger</b>					
<b>(cont.)</b>					

<b>TRANSFER CASE(cont)</b>		
<b>Input Shaft(cont)</b>		
1990-1987	(Warner 1359)	
Ball Bearing	.....	109FFL
Repair Sleeve	.....	99175
Seal	.....	710062
1989-1983	(Warner 1350)	
Ball Bearing	.....	109L
Repair Sleeve	.....	99175
Seal	.....	710062
<b>Front Output Shaft</b>		
2002-1993	(Warner 1354)	
Ball Bearing	.....	206
Seal	.....	710403
2001-1996	(Warner 4403, 4404)	
Seal ; Outer	.....	710403
Ball Bearing ; Inner	.....	206
Ball Bearing ; Outer	.....	207
2001-1996	(Warner 4405)	
Seal ; Outer	.....	710403
Ball Bearing ; Inner	.....	306H
Ball Bearing ; Outer	.....	206
1997-1990	(Spicer TC28)	
Ball Bearing	.....	209
Seal	.....	
1992-1990	(Warner 1354)	
Ball Bearing	.....	206
Seal	.....	710403
1989-1987	(Warner 1350) (external yoke)	
Seal ; Outer	.....	206
Ball Bearing ; Inner	.....	108
Ball Bearing ; Outer	.....	
1989-1987	(Warner 1350) (w/o external yoke)	
Seal ; Outer	.....	4141
Ball Bearing ; Inner	.....	206
Repair Sleeve; Outer	.....	99157
Ball Bearing ; Outer	.....	108
1986-1983	(Warner 1350)	
Seal ; Outer	.....	4141
Ball Bearing ; Inner	.....	206
Repair Sleeve; Outer	.....	99157
Ball Bearing ; Outer	.....	108
<b>Rear Output Shaft</b>		
2002-1993	(Warner 1354)	
Ball Bearing	.....	206
Seal	.....	710403
2001-1999	(Warner 4403)	
Ball Bearing	.....	208
Seal	.....	710403
2001-1996	(Warner 4405)	
Ball Bearing	.....	306H
Seal	.....	710403

<b>TRANSFER CASE(cont)</b>		
<b>Rear Output Shaft(cont)</b>		
1998-1996	(Warner 4404)	
Seal ; Outer	.....	710403
Ball Bearing ; Inner	.....	N106-1
Ball Bearing ; Outer	.....	208SL
1997-1990	(Spicer TC28)	
Ball Bearing	.....	209
Seal	.....	710441
1992-1983	(Warner 1350, 1354)	
Ball Bearing	.....	206
Seal	.....	710403
1990-1987	(Warner 1359)	
Ball Bearing	.....	206
Seal	.....	710403
<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2000-1983	122/2.0, 140/2.3, 150/2.5	
Seal	.....	2955
1987-1985	2346cc/2.3L (Diesel)	
Repair Sleeve	.....	99139
Seal	.....	3771
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2003-2001	140/2.3L (DOHC)	
Repair Sleeve	.....	99139
Seal	.....	3771
2001-1983	122/2.0L, 140/2.3L, 150/2.5L	
Seal	.....	2955
1987-1985	2346cc/2.3L (Diesel)	
Seal	.....	224460
<b>6 Cylinder</b>		
2005-1986	183/3.0L	
Repair Sleeve; Frt Entry	.....	99187
Seal ; Frt Entry	.....	2692
2003-1983	171/2.8L, 177/2.9, 244/4.0L	
Seal Viton	.....	2012V
<b>8 Cylinder</b>		
2003-2002	281/4.6L	
Repair Sleeve	.....	99187
Seal	.....	482041N
2001-1996	302/5.0L	
Seal ; Frt	.....	2692
Repair Sleeve; Frt	.....	99187
Repair Sleeve; Rr Entry	.....	99187
Seal ; Rr Entry	.....	2942
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2003-1983	122/2.0L, 140/2.3L, 150/2.5L	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- LT TRUCK &amp; LT SUV - Aerostar, Bronco II, Explorer, Ranger</b>					
<b>(cont.)</b>					

## CRANKSHAFT REAR SEAL(cont)

<b>4 Cylinder(cont)</b>		
1987-1985	2346cc/2.3L (Diesel)	
Seal Viton .....		228005
1984-1983	2209cc/2.2L (Diesel)	
Seal .....		710061
<b>6 Cylinder</b>		
2006-1986	182/3.0L (OHV)	
Seal .....		3772
Seal PTFE H/D .....		
2006-1984	171/2.8L, 177/2.9, 245/4.0L	
Seal Viton .....		3393
Repair Sleeve .....		99237
Seal PTFE H/D .....		5288
2002-1995	181/3.0L(DOHC), 231/3.8L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>8 Cylinder</b>		
2006-2002	281/4.6L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

## CRANKSHAFT REAR SEAL(cont)

<b>8 Cylinder(cont)</b>		
2001-1996	302/5.0L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

## BALANCE SHAFT

<b>4 Cylinder</b>		
1987-1985	2346cc/2.3L (Diesel)	
Seal Viton .....		712007

# FORD TRUCK- LT TRUCK & LT SUV - Courier

## FRONT WHEEL

1982-1980	All	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30206
Seal ; Inner .....		1992

## REAR WHEEL

1982-1980	All	
Cone/Cup ; Outer .....		30208
Seal ; Inner .....		473823
Seal ; Outer .....		1994

## REAR AXLE

### Pinion

1982-1980	All	
Seal .....		712011
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307

## CLUTCH

### Pilot Bearing

1982-1980	4 Cyl 2.0L	
Ball Bearing .....		202SS

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1982-1980	All	
Repair Sleeve .....		99139
Seal .....		3771

### Torque Converter

1982-1980	All	
Seal Viton .....		2025

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1982-1980	All	
Ball Bearing .....		306L
Repair Sleeve .....		1990
Seal .....		

### Rear Output Shaft

1982-1980	All	
Ball Bearing .....		306L
Seal .....		2443

### Countershaft

1982-1980	Mazda	
Ball Bearing .....		5205KLE

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD TRUCK- LT TRUCK & LT SUV - Courier (cont.)

<b>5-SPEED MANUAL TRANSMISSION</b>			<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>Front Input Shaft</b>			<b>4 Cylinder(cont)</b>		
1982-1980	All		1982-1980	2300/2.3L	
	Ball Bearing .....	307L		Seal Rope .....	5095
	Repair Sleeve .....	1990		Seal Split .....	5108
	Seal .....				
<b>Rear Output Shaft</b>					
1982-1980	All				
	Ball Bearing .....	305			
	Seal .....	2443			
<b>Intermediate Shaft</b>					
1982-1980	Mazda				
	Ball Bearing .....	306L			
<b>CRANKSHAFT FRONT SEAL</b>					
<b>4 Cylinder</b>					
1982-1980	140/2.3L				
	Seal .....	2955			
1982-1980	2000cc/2.0L				
	Seal .....	1994			
<b>CRANKSHAFT REAR SEAL</b>					
<b>4 Cylinder</b>					
1982-1980	2000cc/2.0L				
	Seal .....	228020			

## FORD TRUCK- LT TRUCK & LT SUV - Escape

<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
2006-2001	Escape, Escape Hybrid		<b>Selector Shaft Seal/Man. Shaft</b>		
	Ball Bearing .....	510072	2004-2001	2.0L	
				Seal .....	342517
<b>REAR WHEEL</b>			<b>5-SPEED MANUAL TRANSAXLE</b>		
2006-2001	Escape, Escape Hybrid		<b>Differential</b>		
	Ball Bearing .....	510029	2004-2001	All	
				Cone/Cup .....	32008
				Seal .....	2007N
<b>4WD FRONT AXLE</b>			<b>Output Shaft</b>		
<b>Axle Shaft</b>			2004-2001	All	
2005-2001	All			Wheel Brg; Rr .....	513185
	Seal Viton .....	710429			
<b>REAR AXLE</b>			<b>CRANKSHAFT FRONT SEAL</b>		
<b>Differential</b>			<b>4 Cylinder</b>		
2004-2001	All		2003-2001	121/2.0L (DOHC)	
	Cone/Cup .....	LM29749-LM29710		Repair Sleeve .....	99139
				Seal .....	3771
<b>Pinion</b>			<b>6 Cylinder</b>		
2004-2001	All		2003-2001	181/3.0L	
	Cone/Cup ; Outer .....	M88048-M88010		Repair Sleeve .....	99187
	Cone/Cup ; Inner .....	M86649-M86610		Seal .....	482041N
<b>4-SPEED AUTOMATIC TRANSAXLE</b>					
<b>Torque Converter / Frt Pump</b>					
2008-2001	(CD4E)				
	Seal .....	4635V			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD TRUCK- LT TRUCK & LT SUV - Escape (cont.)

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2003-2001	121/2.0L (DOHC)	
Seal	.....	3772
Seal PTFE H/D	.....	

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

2006-2001	182/3.0L	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	

## FORD TRUCK- FULL SIZE SUV - Bronco - Full-Size

### FRONT WHEEL

1996-1995	All	
Seal ; Inner	.....	710430
Cup/Cone; Inner	.....	A37
Cup/Cone; Outer	.....	A35
1994-1987	(Auto Locking Hub)	
Seal ; Inner	.....	4250
Cup/Cone; Inner	.....	A37
Cup/Cone; Outer	.....	A35
1994-1987	(Man. Locking Hub)	
Seal ; Inner	.....	710091
Cup/Cone; Inner	.....	A38
Cup/Cone; Outer	.....	A35
1986-1980	(From Ch. # F30002)	
Seal ; Inner	.....	4250
Cup/Cone; Inner	.....	A37
Cup/Cone; Outer	.....	A35

### REAR WHEEL

1996-1983	(8.8" R.G.) (Sterling Axle)	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>
1987-1980	(9" R.G.)	
Seal	.....	3195
Wheel Brg	.....	A20
1983-1980	(2800 lb. Axle)	
Ball Bearing	.....	88128RA
Seal	.....	51098

### 4WD FRONT AXLE

#### Differential

1996-1980	All	
Cone/Cup	.....	25590-25523

#### Pinion

1996-1980	(Prod. From Chassis #K20002 On)	
Repair Sleeve	.....	99155
Seal	.....	5778
Cone/Cup ; Outer	.....	02872-02820
Cone/Cup ; Inner	.....	31594-31520

#### Spindle

1996-1993	(Dana/Spicer 28IFS, 35IFS axle)	
Seal ; Inner	.....	722108
Seal ; Outer	.....	

### 4WD FRONT AXLE(cont)

#### Spindle(cont)

1992-1980	All	
Seal ; Inner	.....	722108
Seal ; Outer	.....	722109

### REAR AXLE

#### Differential

1996-1983	(8.8" R.G.)	
Cup/Cone	.....	A36

#### Pinion

1996-1983	(8.8" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
1988-1980	(9" R.G.)	
Seal	.....	7044NA
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M88048-M88010
Cyl. Bearing	.....	R1535TAV

### DRIVESHAFT SUPPORT

1983-1980	(Spicer 1280 1310) (1.3780" Brg. I.D.) (sli yoke style)	
Ball Bearing	.....	88107

### CLUTCH

#### Pilot Bearing

1996-1983	All	
Needle Bearing	.....	FC65662

#### Release Bearing

1996-1993	5 Spd w/ Hydraulic Clutch	
Bearing Assembly	.....	614169
1992-1987	5 Spd w/ Hydraulic Clutch	
Bearing Assembly	.....	614061
1992-1983	4 Spd	
Bearing Assembly	.....	614014

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1990-1980	(C6) (3.066" O.D.)	
Seal	.....	410308

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- FULL SIZE SUV - Bronco - Full-Size (cont.)</b>					

<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Rear Seal/Ext. Housing(cont)</b>		
1985-1980	(C4 booted) (C5)	
Seal .....		7692S
Seal Kit .....		5202
<b>Selector Shaft Seal/Man. Shaft</b>		
1990-1980	(C6)	
Seal .....		7929S
1986-1980	(C4, C5)	
Seal .....		240816
<b>Torque Converter</b>		
1990-1980	(C4, C5, C6)	
Seal .....		331107N

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1996-1994	(AODE)	
Seal .....		4765
1996-1989	(E4OD)	
Seal .....		7300S
Seal Kit .....		5203
1993-1980	(AOT, AOD) (long boot)	
Seal .....		7692S
Seal Kit .....		5202
<b>Selector Shaft Seal/Man. Shaft</b>		
1996-1980	All	
Seal .....		240816
<b>Torque Converter</b>		
1996-1989	(AODE, E4OD)	
Seal .....		3404
1993-1980	(AOT, AOD)	
Seal .....		331107N

<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Input Shaft</b>		
1993-1983	(Warner T18)	
Ball Bearing .....		308L4
Repair Sleeve .....		9912S
Seal .....		7412S
1987-1980	(New Process 435)	
Cone/Cup .....	HM88649-HM88610	
Seal .....		482163N
1982-1980	(Warner T18)	
Ball Bearing .....		308L1
Repair Sleeve .....		9912S
Seal .....		7412S
<b>Rear Output Shaft</b>		
1993-1984	(Warner T18) (28 spline)	
Ball Bearing .....		308L1
Seal .....		7692S
Seal Kit .....		5202

<b>4-SPEED MANUAL TRANSMISSION(cont)</b>		
<b>Rear Output Shaft(cont)</b>		
1987-1980	(New Process)	
Ball Bearing .....		1308L
Seal .....		471271
1987-1980	(Warner T18) (35 spline) (3.256" O.D.)	
Ball Bearing .....		308L
Seal .....		450519
1983-1980	(Warner T18) (28 spline)	
Ball Bearing .....		1308L
Seal .....		7692S
Seal Kit .....		5202

<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Front Input Shaft</b>		
1996-1992	(ZF S5 42)	
Cone/Cup .....		28580-28521
Seal Viton .....		713771
1996-1992	Mazda	
Repair Sleeve .....		99114
Seal .....		223012
<b>Rear Output Shaft</b>		
1996-1992	(ZF S5 42 application) (4WD)	
Cone/Cup .....		225010
Seal .....		
1996-1992	(ZF S5 42) (4WD)	
Cone/Cup .....		1217
Seal .....		
1996-1992	Mazda	
Seal .....		710415
<b>Countershaft</b>		
1996-1992	(ZF S5 42)	
Cone/Cup .....		2580-2520

<b>TRANSFER CASE</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1996-1987	(Warner)	
Seal .....		330385
<b>Input Shaft</b>		
1996	(Warner 4406)	
Ball Bearing .....		211
1996-1987	(Warner 1356)	
Ball Bearing .....		110
Seal .....		714503
1990-1980	(Warner 1345)	
Repair Sleeve .....		99175
Seal .....		710062
1986-1980	(New Process 208)	
Repair Sleeve .....		99193
Seal .....		3173
<b>Front Output Shaft</b>		
1996	(Warner)	
Ball Bearing .....		208
Seal .....		4333N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD TRUCK- FULL SIZE SUV - Bronco - Full-Size (cont.)

### TRANSFER CASE(cont)

#### Front Output Shaft(cont)

<b>1996-1987 (Warner 1356)</b>		
Ball Bearing .....	110	
Seal .....	714503	
<b>1990-1980 (Warner 1345)</b>		
Ball Bearing .....	207	
Repair Sleeve .....	99175	
Seal .....	710062	
<b>1986-1980 (New Process 208)</b>		
Repair Sleeve .....	99187	
Seal .....	3946	

#### Rear Output Shaft

<b>1996 (Warner 4406, 4416)</b>		
Ball Bearing .....	207	
Seal .....	4503N	
<b>1996-1987 (Warner 1356) (slip yoke)</b>		
Ball Bearing .....	207	
Seal .....	4503N	
<b>1996-1987 (Warner) (fixed yoke)</b>		
Ball Bearing .....	207	
Seal .....	4333N	
<b>1990 (Warner 1345)</b>		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1989 (Warner 1345) (booted)</b>		
Ball Bearing .....	207	
Seal .....	4333N	
<b>1989-1980 (Warner 1345) (w/o boot)</b>		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1986-1980 (New Process 208) (fixed yoke)</b>		
Ball Bearing .....	1207L	
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1986-1980 (New Process 208) (slip yoke)</b>		
Ball Bearing .....	1207L	
Seal .....	4333N	

#### Oil Pump Housing

<b>1986-1980 (New Process 208)</b>		
Repair Sleeve .....	99225	
Seal .....	341022	

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

<b>1992-1980 300/4.9L</b>		
Repair Sleeve; Frt Entry .....	99187	
Repair Sleeve; Rr Entry .....	99187	
Seal ; Frt Entry .....	2692	
Seal ; Rr Entry .....	2942	

### CRANKSHAFT FRONT SEAL(cont)

#### 8 Cylinder

<b>1996-1980 302/5.0L</b>		
Repair Sleeve; Frt Entry .....	99187	
Repair Sleeve; Rr Entry .....	99187	
Seal ; Frt Entry .....	2692	
Seal ; Rr Entry .....	2942	
<b>1996-1980 351/5.8L</b>		
Repair Sleeve; Frt Entry .....	99187	
Repair Sleeve; Rr Entry .....	99187	
Seal ; Frt Entry .....	2692	
Seal ; Rr Entry .....	2942	

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

<b>1992-1980 300/4.9L</b>		
Seal Viton .....	2377	
Repair Sleeve .....	99372	
Seal PTFE H/D .....	5278	

#### 8 Cylinder

<b>1996-1983 302/5.0L From 1/1/83</b>		
Seal Viton .....	3909	
Repair Sleeve .....	99363	
Seal PTFE H/D .....		
<b>1996-1983 351/5.8L (W) From 7/10/83</b>		
Seal Viton .....	2377	
Repair Sleeve .....	99372	
Seal PTFE H/D .....	5278	
<b>1983-1980 302/5.0L To 12/31/82</b>		
Seal Rope .....	5095	
Seal Split .....	5108	
<b>1983-1980 351/5.8L (W) To 7/10/83</b>		
Seal Rope .....	5095	
Seal Split .....	5117	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## FORD TRUCK- FULL SIZE SUV - Excursion

<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>2WD</b>			<b>Torque Converter</b>		
2005-2000	All		2003-2000	(4R100)	
	Cone/Cup ; Outer .....	15101-15245		Seal .....	3404
	Seal ; Inner .....	4160	<b>TRANSFER CASE</b>		
<b>4WD/AWD</b>			<b>Input Shaft</b>		
2005-2000	(Coarse Thread Studs)		2003-2000	(New Process 273)	
	Hub Assembly .....	515020		Ball Bearing .....	211
<b>REAR WHEEL</b>			<b>Front Output Shaft</b>		
2005-2000	All		2003-2000	(New Process 273)	
	Seal ; Inner .....	370247A <sup>21</sup>		Ball Bearing .....	111
	Cup/Cone; Outer .....	A38	<b>CRANKSHAFT FRONT SEAL</b>		
<b>4WD FRONT AXLE</b>			<b>8 Cylinder</b>		
<b>Differential</b>			2005-2000	330/5.4L	
2005-2000	(Dana/Spicer 50)			Repair Sleeve .....	99187
	Cone/Cup .....	JLM104948-LM104911A		Seal .....	482041N
<b>Pinion</b>			2003-2000	446/7.3 (Diesel)	
2005-2000	(Dana/Spicer 50)			Seal .....	5066
	Repair Sleeve .....	99155	<b>10 Cylinder</b>		
	Seal .....	5778	2005-2000	415/6.8L	
	Cone/Cup ; Outer .....	02872-02820		Repair Sleeve .....	99187
	Cone/Cup ; Inner .....	HM88649-HM88610		Seal .....	482041N
<b>REAR AXLE</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Differential</b>			<b>8 Cylinder</b>		
2005-2000	(10.5" R.G.)		2005-2000	330/5.4L (SOHC)	
	Cone/Cup .....	469-453X		Seal Viton .....	3909
<b>Pinion</b>				Repair Sleeve .....	99363
2005-2000	(10.5" R.G.)			Seal PTFE H/D .....	
	Seal Viton .....	4278	2003-2000	446/7.3 (Diesel)	
	Cone/Cup ; Outer .....	HM89443-HM89411		Seal .....	5723
			<b>10 Cylinder</b>		
			2005-2000	415/6.8L	
				Seal Viton .....	3909

## FORD TRUCK- FULL SIZE SUV - Excursion (cont.)

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>10 Cylinder(cont)</b>		
	Repair Sleeve .....	99363
	Seal PTFE H/D .....	

## FORD TRUCK- FULL SIZE SUV - Expedition

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
<b>2WD</b>			<b>4WD/AWD</b>		
2002-1997	All		2006-2003	All	
	Seal ; Inner .....	4148		Hub Assembly .....	515043

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- FULL SIZE SUV - Expedition (cont.)</b>					

## FRONT WHEEL(cont)

### 4WD/AWD(cont)

2002-2000 (ABS) (M14 Bolts)	
Hub Assembly .....	515031
2000-1997 (ABS) (M12 Bolts)	
Hub Assembly .....	515004

## REAR WHEEL

2002-1997 All	
Seal Viton .....	100357
Cyl. Bearing .....	R1561TV
Optional Repair Bearing .....	RP1561FO <sup>91</sup>

## 4WD FRONT AXLE

### Differential

2003-1997 All	
Cup/Cone .....	A36

### Pinion

2006-1997 All	
Seal Viton .....	3604
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011

## REAR AXLE

### Differential

2000-1997 (8.8" R.G.)	
Cup/Cone .....	A36

### Pinion

2006-2000 (9.75" R.G.)	
Seal Viton .....	4278
Cone/Cup ; Outer .....	HM89443-HM89411
2006-1997 (8.8" R.G.)	
Seal Viton .....	3604
Cone/Cup ; Outer .....	M88048-M88010
Cone/Cup ; Inner .....	M802048-M802011
1999-1997 (9.75" R.G.)	
Seal Viton .....	3604
Cone/Cup ; Outer .....	M88048-M88010

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1998-1997 (E4OD, 4R100)	
Seal .....	7300S

### Selector Shaft Seal/Man. Shaft

2003-1997 (E4OD, 4R100)	
Seal .....	7929S

### Torque Converter

2003-1997 (E4OD, 4R100)	
Seal .....	3404

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

2002-1997 (Warner)	
Seal .....	330385

## TRANSFER CASE(cont)

### Input Shaft

2002-1997 (Warner 4406)	
Ball Bearing .....	211

### Front Output Shaft

2002-1997 (Warner)	
Ball Bearing .....	208
Seal .....	4333N

### Rear Output Shaft

2002-1997 (Warner 4406, 4416)	
Ball Bearing .....	207
Seal .....	4503N

## CRANKSHAFT FRONT SEAL

### 8 Cylinder

2004-1997 281/4.6L	
Repair Sleeve .....	99187
Seal .....	482041N

## CRANKSHAFT REAR SEAL

### 8 Cylinder

2006-1997 330/5.4L	
Seal Viton .....	3909
Repair Sleeve .....	99363
Seal PTFE H/D .....	
2004-1997 281/4.6L	
Seal Viton .....	3909
Repair Sleeve .....	99363
Seal PTFE H/D .....	

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1/2 TON - Econoline, E100, E150, F100, F150, Parcel Delivery, Pickup</b>					

<b>FRONT WHEEL</b>		
<b>2WD</b>		
<b>2007-1997 E150</b>		
Seal ; Inner .....		4148
Cup/Cone; Inner .....		A13
Cup/Cone; Outer .....		A12
<b>2006-2003 Expedition</b>		
Hub Assembly .....		515042
<b>2004-1997 F150</b>		
Seal ; Inner .....		4148
Cone/Cup; Outer .....		A12
Cone/Cup; Inner .....		A18
<b>1996-1980 All</b>		
Seal ; Inner .....		4148
Cup/Cone; Inner .....		A13
Cup/Cone; Outer .....		A12
<b>1987-1980 F100, F150</b>		
Seal ; Inner .....		4148
Cup/Cone; Inner .....		A13
Cup/Cone; Outer .....		A12
<b>4WD/AWD</b>		
<b>2005-2004 F150 (6 Stud) To 11/28/04</b>		
Hub Assembly .....		515046
<b>2004-2001 F150 (4 Whl. ABS) (5 Stud)</b>		
Hub Assembly .....		515029
<b>2004-2001 F150 (Rr. Whl. ABS) (5 Stud)</b>		
Hub Assembly .....		515028
<b>2004-2000 F150 (Rr. Whl. ABS) (7 Stud)</b>		
Hub Assembly .....		515022
<b>2003-2000 F150 (4 Whl. ABS) (7 Stud)</b>		
Hub Assembly .....		515030
<b>2000 F150 (4 Whl. ABS) (5 Stud) (M14 Studs)</b>		
Hub Assembly .....		515029
<b>2000 F150 (Rr. Whl. ABS) (5 Stud) (M14 Studs)</b>		
Hub Assembly .....		515028
<b>2000-1997 F150 (4 Whl. ABS) (5 Stud) (M12 Studs)</b>		
Hub Assembly .....		515010
<b>2000-1997 F150 (Rr. Whl. ABS) (5 Stud) (M12 Studs)</b>		
Hub Assembly .....		515017
<b>1996-1995 All</b>		
Seal ; Inner .....		710430
Cup/Cone; Inner .....		A37
Cup/Cone; Outer .....		A35
<b>1994-1988 (From 6/1/88)</b>		
Seal ; Inner .....		4250
Cup/Cone; Inner .....		A37
Cup/Cone; Outer .....		A35
<b>1988 (Man. Locking Hub) (Locking Diff.) (From 3/1/88) (Thru 5/31/88)</b>		
Seal ; Inner .....		710091
Cup/Cone; Inner .....		A37
Cup/Cone; Outer .....		A35

<b>FRONT WHEEL(cont)</b>		
<b>4WD/AWD(cont)</b>		
<b>1988 (Man. Locking Hub) (Open Differential) (From 3/1/88) (Thru 5/31/88)</b>		
Seal ; Inner .....		710091
Cup/Cone; Inner .....		A38
Cup/Cone; Outer .....		A35
<b>1988-1987 (Auto Locking Hub) (Thru 5/31/88)</b>		
Seal ; Inner .....		4250
Cup/Cone; Inner .....		A37
Cup/Cone; Outer .....		A35
<b>1988-1987 (Man. Locking Hub) (Thru 3/31/88)</b>		
Seal ; Inner .....		710091
Cup/Cone; Inner .....		A38
Cup/Cone; Outer .....		A38
<b>1986-1980 (From Ch. # F70001)</b>		
Seal ; Inner .....		4250
Cup/Cone; Inner .....		A37
Cup/Cone; Outer .....		A35
<b>REAR WHEEL</b>		
<b>2007-2005 F150</b>		
Seal Viton .....		100357
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>
<b>2006-1989 E100, E150</b>		
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2004 F150 FX4, STX, XL, XLT</b>		
Seal Viton .....		100357
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>
<b>2004 F150 Heritage, SVT Lightning (8.8" R.G.)</b>		
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2004 F150 Heritage, SVT Lightning (9.75", 10.25" R.G.)</b>		
Seal Viton .....		100357
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>
<b>2004-1983 F100, F150 (8.8" R.G.) (Sterling Axle)</b>		
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2003-1998 F150 (8.8" R.G.)</b>		
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2003-1998 F150 (9.75" R.G.)</b>		
Seal Viton .....		100357
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1/2 TON - Econoline, E100, E150, F100, F150, Parcel Delivery, Pickup (cont.)</b>					

## REAR WHEEL(cont)

<b>1988-1983</b>	<b>E100, E150 (8.8" R.G.) (Sterling Axle)</b>	
Seal .....	8835S	
Cyl. Bearing .....	6408	
Optional Repair Bearing .....	RP6408 <sup>91</sup>	
<b>1988-1980</b>	<b>E100, E150 Econoline (3750 lbAxle).</b>	
Seal .....	3195	
Wheel Brg .....	A20	
<b>1986-1980</b>	<b>F100, F150 (3750 lb. Axle) (9" R.G.)</b>	
Seal .....	3195	
Wheel Brg .....	A20	
<b>1983-1980</b>	<b>F100 (Dana/Spicer 44 3 Axle)</b>	
Seal .....	9912	
Wheel Brg .....	A10	
<b>1983-1980</b>	<b>F100, F150 (2800 lb. Axle)</b>	
Ball Bearing .....	88128RA	
Seal .....	51098	
<b>1983-1980</b>	<b>F100, F150 (3300 lb. Axle) (Tapered Brg.)</b>	
Seal .....	3195	
Wheel Brg .....	A20	
<b>1983-1980</b>	<b>F100, F150 (3600 lb. Axle)</b>	
Seal .....	482253	
Cyl. Bearing .....	RUB1580EBFR	
<b>1983-1980</b>	<b>F100, F150 (3750 lb. Axle)</b>	
Seal .....	482253	
Cyl. Bearing .....	RUB1580EBFR	
<b>1983-1980</b>	<b>F100, F150 (Dana/Spicer 44 Axle) (From Ch. # A25001)</b>	
Seal .....	2689S	
Wheel Brg .....	A10	

## 4WD FRONT AXLE

### Differential

<b>2002-1997</b>	<b>(8.8" R.G.)</b>	
Cup/Cone .....	A36	
<b>1997-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....	25590-25523	

### Pinion

<b>2006-1997</b>	<b>(8.8" R.G.)</b>	
Seal Viton .....	3604	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1997-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Repair Sleeve .....	99155	
Seal .....	5778	
Cone/Cup ; Outer .....	02872-02820	
Cone/Cup ; Inner .....	HM88649-HM88610	

### Axle Shaft

<b>1996-1983</b>	<b>(Dana/Spicer 44 IFS axle)</b>	
Seal ; RH .....	470672	
Seal ; LH .....	710043	
Cyl. Bearing ; RH .....	5707	

## 4WD FRONT AXLE(cont)

### Axle Shaft(cont)

<b>1982-1980</b>	<b>(Dana/Spicer 44 IFS axle)</b>	
Seal ; RH .....	2146	
Seal ; LH .....	710043	
Wheel Brg; RH .....	A9	

### Spindle

<b>1996-1993</b>	<b>(Dana/Spicer 28IFS, 35IFS axle)</b>	
Seal ; Inner .....	722108	
Seal ; Outer .....		
<b>1992-1980</b>	<b>All</b>	
Seal ; Inner .....	722108	
Seal ; Outer .....	722109	

## REAR AXLE

### Differential

<b>2006-2004</b>	<b>(10.25" R.G.)</b>	
Cone/Cup .....	469-453X	
<b>2006-1983</b>	<b>(8.8" R.G.)</b>	
Cup/Cone .....	A36	

### Pinion

<b>2006-2005</b>	<b>(8.8" R.G.)</b>	
Seal Viton .....	3604	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>2006-2004</b>	<b>(10.25" R.G.)</b>	
Seal Viton .....	4278	
Cone/Cup ; Outer .....	HM89443-HM89411	
<b>2006-2000</b>	<b>(9.75" R.G.)</b>	
Seal Viton .....	4278	
Cone/Cup ; Outer .....	HM89443-HM89411	
<b>2004</b>	<b>(8.8" R.G.) (Locking)</b>	
Seal Viton .....	3604	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>2004</b>	<b>(8.8" R.G.) (Non-Locking)</b>	
Seal Viton .....	3604	
Cone/Cup ; Outer .....	M88048-M88010	
<b>2003-1997</b>	<b>(8.8" R.G.)</b>	
Seal Viton .....	3604	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1999-1997</b>	<b>(9.75" R.G.)</b>	
Seal Viton .....	3604	
Cone/Cup ; Outer .....	M88048-M88010	
<b>1999-1983</b>	<b>(8.8" R.G.)</b>	
Seal Viton .....	3604	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1/2 TON - Econoline, E100, E150, F100, F150, Parcel Delivery, Pickup (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

<b>1988-1980</b>	<b>(8.375" R.G.)</b>	
Seal .....		7044NA
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M88048-M88010
Cyl. Bearing ; Pilot .....		R1535TAV
<b>1988-1980</b>	<b>(9" R.G.) (3" O.D. Pinion Seal)</b>	
Seal .....		7044NA
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M88048-M88010
Cyl. Bearing ; Pilot .....		R1535TAV

## DRIVESHAFT SUPPORT

<b>1995-1993</b>	<b>F150</b>	
Ball Bearing .....		88107
<b>1992-1980</b>	<b>(Spicer 1280, 1310) (1.3780" Brg. I.D.)</b>	
Ball Bearing .....		88107
Hanger Bearing .....		HB88107A
<b>1988-1980</b>	<b>(Spicer 1260, 1410) (1.3780" Brg. I.D.)</b>	
Ball Bearing .....		88107
Hanger Bearing .....		HB88107A
<b>1985-1980</b>	<b>(Spicer 1260, 1480) (1.3780" Brg. I.D.)</b>	
Ball Bearing .....		88107
Hanger Bearing .....		HB88107A
<b>1983-1980</b>	<b>(Spicer 1410, 1650) (1.7717" Brg. I.D.)</b>	
Ball Bearing .....		88509
Hanger Bearing .....		HB88509

## CLUTCH

### Pilot Bearing

<b>2004-1997</b>	<b>6 Cyl 256ci/4.2L</b>	
Needle Bearing .....		FC68329
<b>2004-1997</b>	<b>8 Cyl 281ci/4.6L</b>	
Needle Bearing .....		FC68329
<b>1996-1980</b>	<b>8 Cyl 302ci/5.0L, 351ci/5.8L(M), 351ci/5.8L(W)</b>	
Needle Bearing .....		FC65662
<b>1996-1968</b>	<b>6 Cyl w/o 4.2L</b>	
Needle Bearing .....		FC65662
<b>1980</b>	<b>8 Cyl 400ci/6.6L</b>	
Bushing .....		PB50DHD

### Release Bearing

<b>1996-1993</b>	<b>5 Spd w/ Hydraulic Clutch</b>	
Bearing Assembly .....		614169
<b>1992-1987</b>	<b>5 Spd w/ Hydraulic Clutch</b>	
Bearing Assembly .....		614061
<b>1992-1983</b>	<b>4 Spd</b>	
Bearing Assembly .....		614014

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1990-1980</b>	<b>(C6)</b>	
Seal .....		410308

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Rear Seal/Ext. Housing(cont)

<b>1986-1980</b>	<b>(C4 booted) (C5)</b>	
Seal .....		7692S
Seal Kit .....		5202

### Selector Shaft Seal/Man. Shaft

<b>1990-1980</b>	<b>(C6)</b>	
Seal .....		7929S
<b>1986-1980</b>	<b>(C4, C5)</b>	
Seal .....		240816

### Torque Converter

<b>1990-1980</b>	<b>(C4, C5, C6)</b>	
Seal .....		331107N

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2002-1994</b>	<b>(4R70W, A0DEE, A0DEW)</b>	
Seal .....		4765
<b>1999-1989</b>	<b>(E4OD)</b>	
Seal .....		7300S
Seal Kit .....		5203
<b>1993-1980</b>	<b>(AOT, AOD) (long boot)</b>	
Seal .....		7692S
Seal Kit .....		5202

### Selector Shaft Seal/Man. Shaft

<b>2005-1980</b>	<b>All</b>	
Seal .....		240816

### Torque Converter

<b>2002-1989</b>	<b>(AODE E, E4OD, 4R70W, A0DEW)</b>	
Seal .....		3404
<b>1993-1980</b>	<b>(AOT, AOD)</b>	
Seal .....		331107N

## 4-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

<b>1990-1980</b>	<b>(Tremec)</b>	
Seal .....		313156

### Input Shaft

<b>1993-1983</b>	<b>(Warner T18)</b>	
Ball Bearing .....		308L4
Repair Sleeve .....		99125
Seal .....		7412S
<b>1990-1980</b>	<b>(Tremec)</b>	
Ball Bearing .....		308L4
Repair Sleeve .....		99112
Seal .....		3638
<b>1987-1980</b>	<b>(New Process 435)</b>	
Cone/Cup .....		HM88649-HM88610
Seal .....		482163N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1/2 TON - Econoline, E100, E150, F100, F150, Parcel Delivery, Pickup (cont.)</b>					

## 4-SPEED MANUAL TRANSMISSION(cont)

### Input Shaft(cont)

<b>1982-1980 (Warner T18)</b>		
Ball Bearing .....		308L1
Repair Sleeve .....		99125
Seal .....		7412S

### Rear Output Shaft

<b>1993-1984 (Warner T18) (28 spline)</b>		
Ball Bearing .....		308L1
Seal .....		7692S
Seal Kit .....		5202
<b>1990-1985 (Tremec) (2nd design)</b>		
Ball Bearing .....		308L
Seal .....		7692S
Seal Kit .....		5202
<b>1987-1984 (Warner T18) (31 spline)</b>		
Ball Bearing .....		308L1
Seal .....		473442
<b>1987-1980 (New Process 435)</b>		
Ball Bearing .....		1308L
Seal .....		471271
<b>1985-1980 (Tremec) (1st design)</b>		
Ball Bearing .....		308L4
Seal .....		7692S
Seal Kit .....		5202
<b>1983-1980 (Warner T18) (28 spline)</b>		
Ball Bearing .....		1308L
Seal .....		7692S
Seal Kit .....		5202
<b>1983-1980 (Warner T18) (31 spline)</b>		
Ball Bearing .....		1308L
Seal .....		473442

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

<b>2004-1988 Mazda</b>		
Repair Sleeve .....		99114
Seal .....		223012
<b>2004-1987 (ZF S5 42)</b>		
Cone/Cup .....		28580-28521
Seal Viton .....		713771

### Rear Output Shaft

<b>2001-1988 Mazda</b>		
Seal .....		710415
<b>2000-1987 (ZF S5 42) (2WD)</b>		
Cone/Cup .....		225010
Seal .....		
<b>2000-1987 (ZF S5 42) (4WD)</b>		
Cone/Cup .....		1217
Seal .....		

### Countershaft

<b>2004-1996 Mazda</b>		
Ball Bearing ; Rr .....		304
Cyl. Bearing ; Center .....		

## 5-SPEED MANUAL TRANSMISSION(cont)

### Countershaft(cont)

<b>2000-1987 (ZF S5 42)</b>		
Cone/Cup .....		2580-2520

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

<b>2002-1987 (Warner)</b>		
Seal .....		330385

### Input Shaft

<b>2005-1996 (Warner 4406)</b>		
Ball Bearing .....		211
<b>1996-1987 (Warner 1356)</b>		
Ball Bearing .....		110
Seal .....		714503
<b>1990-1980 (Warner 1345)</b>		
Repair Sleeve .....		99175
Seal .....		710062
<b>1986-1980 (New Process 208)</b>		
Repair Sleeve .....		99193
Seal .....		3173

### Front Output Shaft

<b>2003 (Warner)</b>		
Seal .....		4503N
<b>2002-1996 (Warner)</b>		
Ball Bearing .....		208
Seal .....		4333N
<b>1996-1987 (Warner 1356)</b>		
Ball Bearing .....		110
Seal .....		714503
<b>1990-1980 (Warner 1345)</b>		
Ball Bearing .....		207
Repair Sleeve .....		99175
Seal .....		710062
<b>1986-1980 (New Process 208)</b>		
Repair Sleeve .....		99187
Seal .....		3946

### Rear Output Shaft

<b>2005-1996 (Warner 4406, 4416)</b>		
Ball Bearing .....		207
Seal .....		4503N
<b>1996-1987 (Warner 1356) (slip yoke)</b>		
Ball Bearing .....		207
Seal .....		4503N
<b>1996-1987 (Warner) (fixed yoke)</b>		
Ball Bearing .....		207
Seal .....		4333N
<b>1990 (Warner 1345)</b>		
Ball Bearing .....		207
Repair Sleeve .....		99187
Seal .....		3946
<b>1989 (Warner 1345) (booted)</b>		
Ball Bearing .....		207
Seal .....		4333N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1/2 TON - Econoline, E100, E150, F100, F150, Parcel Delivery, Pickup (cont.)</b>					

<b>TRANSFER CASE(cont)</b>		
<b>Rear Output Shaft(cont)</b>		
1989-1980	(Warner 1345) (w/o boot)	
Ball Bearing	.....	207
Repair Sleeve	.....	99187
Seal	.....	3946
1986-1980	(New Process 208) (fixed yoke)	
Ball Bearing	.....	1207L
Repair Sleeve	.....	99187
Seal	.....	3946
1986-1980	(New Process 208) (slip yoke)	
Ball Bearing	.....	1207L
Seal	.....	4333N
<b>Oil Pump Housing</b>		
1986-1980	(New Process 208)	
Repair Sleeve	.....	99225
Seal	.....	341022

<b>A/C COMPRESSOR</b>		
2002-1980	(Nippondenso FX 15) (Tecumseh, York) (axial)	
Ball Bearing	.....	5106WCC
1984-1980	Tecumseh York	
Ball Bearing ; Rr	.....	203

<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
1998-1980	(Ford pump)	
Seal	.....	8773S
1997-1980	(Saginaw pump)	
Seal	.....	7013S
<b>Pitman Shaft</b>		
1982-1980	All	
Seal Kit	.....	PSK1

<b>MANUAL STEERING</b>		
<b>Worm Shaft</b>		
1998-1983	All	
Seal	.....	221922
1982-1980	All	
Ball Bearing	.....	8537
Seal	.....	480821
<b>Pitman Shaft</b>		
1982-1980	(Ford design)	
Seal	.....	340151
1982-1980	(Saginaw design)	
Seal	.....	313842

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2005-1980	232/3.8L, 256/4.2L, 300/4.9L	
Repair Sleeve; Frt Entry	.....	99187
Repair Sleeve; Rr Entry	.....	99187
Seal ; Frt Entry	.....	2692
Seal ; Rr Entry	.....	2942
<b>8 Cylinder</b>		
2006-1997	281/4.6L, 330/5.4L	
Repair Sleeve	.....	99187
Seal	.....	482041N
1996-1980	255/4.2L, 302/5.0L, 351/5.8L, 352/5.8L, 360/5.9L, 390/6.4L, 400/6.6L, 460/7.5L	
Repair Sleeve; Frt Entry	.....	99187
Repair Sleeve; Rr Entry	.....	99187
Seal ; Frt Entry	.....	2692
Seal ; Rr Entry	.....	2942

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2006-1997	256/4.2L	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	
1996-1980	240/3.9, 300/4.9L	
Seal Viton	.....	2377
Repair Sleeve	.....	99372
Seal PTFE H/D	.....	5278
1983	232/3.8L From 1/1/83	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	
1983-1982	232/3.8L to 12/31/82	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	
<b>8 Cylinder</b>		
2006-1984	281/4.6L, 302/5.0L, 330/5.4L	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	
1996-1983	302/5.0L From 12/82	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	
1996-1983	351/5.8L (W) From 7/10/83	
Seal Viton	.....	2377
Repair Sleeve	.....	99372
Seal PTFE H/D	.....	5278
1983	351/5.8L (W) To 7/10/83	
Seal Rope	.....	5095
Seal Split	.....	5117

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1/2 TON - Econoline, E100, E150, F100, F150, Parcel Delivery, Pickup (cont.)</b>					

## CRANKSHAFT REAR SEAL(cont)

### 8 Cylinder(cont)

<b>1983-1980</b>	<b>302/5.0L Thru 11/82</b>	
Seal Rope .....		5095
Seal Split .....		5108
<b>1982-1980</b>	<b>351/5.8L, 360/5.9L, 400/6.6L</b>	
Seal Rope .....		5095
Seal Split .....		5117

## CRANKSHAFT REAR SEAL(cont)

### 8 Cylinder(cont)

<b>1980</b>	<b>400/6.6L</b>	
Seal Rope .....		5095
Seal Split .....		5117

## FORD TRUCK & VAN- 3/4 TON - Econoline, E200, E250, F200, F250, Parcel Delivery, Pickup

## FRONT WHEEL

### 2WD

<b>2006-1980</b>	<b>E250 Econoline (From 11/4/80)</b>	
Cone/Cup ; Outer .....		15101-15245
Seal ; Inner .....		4160
<b>2005-1999</b>	<b>F250 Super Duty (SRW) (From 3/22/99)</b>	
Cone/Cup ; Outer .....		15101-15245
Seal ; Inner .....		4160
<b>1998-1980</b>	<b>F250 (H/D) (GVW Over 8,500 lb.)</b>	
Cone/Cup ; Outer .....		15101-15245
Seal ; Inner .....		4160
<b>1998-1980</b>	<b>F250 (L/D)</b>	
Seal ; Inner .....		4148
<b>1980</b>	<b>E250 Econoline (Thru 11/3/80)</b>	
Cone/Cup ; Outer .....		15101-15245
Seal ; Inner .....		493637

### 4WD/AWD

<b>2005-1999</b>	<b>F250 Super Duty (4 Whl ABS) (DRW) (Coarse Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....		515025
<b>2005-1999</b>	<b>F250 Super Duty (4 Whl ABS) (DRW) (Fin Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....		515057
<b>2005-1999</b>	<b>F250 Super Duty (4 Whl ABS) (SRW) (Coarse Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....		515020
<b>2005-1999</b>	<b>F250 Super Duty (4 Whl ABS) (SRW) (Fin Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....		515056
<b>2005-1999</b>	<b>F250 Super Duty (Rr. Whl. ABS) (SRW) (From 3/22/99)</b>	
Hub Assembly .....		515021
<b>1999</b>	<b>F250 Super Duty (4 Whl. ABS) (DRW) (Coarse Thread Studs) (Thru 3/21/99)</b>	
Hub Assembly .....		515077
<b>1999-1997</b>	<b>F250 (4 Whl. ABS) (L/D) (Thru 3/21/99)</b>	
Hub Assembly .....		515030

## FRONT WHEEL(cont)

### 4WD/AWD(cont)

<b>1999-1997</b>	<b>F250 (L/D) (Rr. Whl. ABS) (Thru 3/21/99)</b>	
Hub Assembly .....		515022
<b>1998-1995</b>	<b>(GVW Over 8,500lb.) (Dana/Spicer 44 IFS H/D)</b>	
Cone/Cup ; Inner .....	LM104949-JLM104910	
Seal ; Inner .....		710430
Cup/Cone; Outer .....		A35
<b>1998-1980</b>	<b>(Dana/Spicer 50, 60 Ser. Axle)</b>	
Cone/Cup ; Inner .....		387A-382A
Seal ; Inner .....		415960
Cup/Cone; Outer .....		A38
<b>1994-1983</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup ; Inner .....	LM104949-JLM104910	
Seal ; Inner .....		4250
Cup/Cone; Outer .....		A35
<b>1982-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Seal ; Inner .....		4250
Cup/Cone; Inner .....		A37
Cup/Cone; Outer .....		A35

## REAR WHEEL

<b>2006-1980</b>	<b>E250 Econoline (Semi Floating Axle) (10.25" R.G.)</b>	
Seal .....		710067
Cyl. Bearing .....		R1561TV
<b>2005-1999</b>	<b>F250 Super Duty (10.25" R.G.)</b>	
Cup/Cone; Outer .....		A38
<b>2005-1981</b>	<b>E250 Econoline (Spicer 60, 61,70) (Full Floating Axle)</b>	
Cone/Cup ; Inner .....		387AS-382A
Seal ; Inner .....		9864S
Cup/Cone; Outer .....		A38

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 3/4 TON - Econoline, E200, E250, F200, F250, Parcel Delivery, Pickup (cont.)</b>					

## REAR WHEEL(cont)

<b>1998</b>	<b>F250 (Full Floating Axle) (10.25"R.G.) (From 1/1/98)</b>	
	Cone/Cup ; Inner .....	370047A <sup>21</sup>
	Seal ; Inner .....	A38
	Cup/Cone; Outer .....	
<b>1998-1985</b>	<b>E250 Econoline (Full FloatingAxle) (10.25 R.G.)</b>	
	Cone/Cup ; Inner .....	3994-3920
	Seal ; Inner .....	370047A <sup>21</sup>
	Cup/Cone; Outer .....	A38
<b>1998-1981</b>	<b>F250 (Spicer 60, 61, 70) (FullFloating Axl</b>	
	Cone/Cup ; Inner .....	387AS-382A
	Seal ; Inner .....	9864S
	Cup/Cone; Outer .....	A38
<b>1998-1980</b>	<b>F250 (Semi Floating Axle) (10.25"R.G.)</b>	
	Seal .....	710067
	Cyl. Bearing .....	R1561TV
<b>1997-1994</b>	<b>F250 (Full Floating Axle) (10.25"R.G.) (From 4/1/94)</b>	
	Cone/Cup ; Inner .....	370047A <sup>21</sup>
	Seal ; Inner .....	A38
	Cup/Cone; Outer .....	
<b>1994-1985</b>	<b>F250 (Full Floating Axle) (10.25"R.G.) (Th 3/31/94)</b>	
	Cone/Cup ; Inner .....	3994-3920
	Seal ; Inner .....	370047A <sup>21</sup>
	Cup/Cone; Outer .....	A38
<b>1980</b>	<b>E250 Econoline (5300 lb. Axle)</b>	
	Seal ; Inner .....	4250
	Cup/Cone; Inner .....	A38
	Cup/Cone; Outer .....	A38

## FRONT AXLE

### Spindle

<b>2002-1999</b>	<b>(Spicer 50.5)</b>	
	Seal ; Inner .....	710413
<b>1995-1993</b>	<b>(Spicer 50.5)</b>	
	Seal ; Inner .....	710413
	Seal ; Outer .....	710414
<b>1992-1980</b>	<b>(Spicer 50.5)</b>	
	Seal ; Inner .....	710044
	Seal ; Outer .....	710045
<b>1989-1980</b>	<b>(Spicer 44)</b>	
	Seal ; Inner .....	722109
	Seal ; Outer .....	722108

## 4WD FRONT AXLE

### Differential

<b>2006-2002</b>	<b>(Dana/Spicer 60 Axle)</b>	
	Cone/Cup .....	387A-382S
<b>2005-1996</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
	Cone/Cup .....	JLM104948-LM104911A
<b>1998-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
	Cone/Cup .....	25590-25523

## 4WD FRONT AXLE(cont)

### Differential(cont)

<b>1995-1980</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
	Cone/Cup .....	JLM104948-LM104911A

### Pinion

<b>2006-2002</b>	<b>(Dana/Spicer 60 Axle)</b>	
	Repair Sleeve .....	99187
	Seal .....	9316
	Cone/Cup ; Outer .....	HM88542-HM88510
	Cone/Cup ; Inner .....	HM803146-HM803110
<b>2004-1999</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
	Seal .....	2506
	Cone/Cup ; Outer .....	02872-02820
	Cone/Cup ; Inner .....	HM88649-HM88610
<b>1998-1980</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
	Repair Sleeve .....	99155
	Seal .....	5778
	Cone/Cup ; Outer .....	02872-02820
	Cone/Cup ; Inner .....	HM88649-HM88610
<b>1996-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
	Repair Sleeve .....	99155
	Seal .....	5778
	Cone/Cup ; Outer .....	02872-02820
	Cone/Cup ; Inner .....	31594-31520

### Axle Shaft

<b>1997-1983</b>	<b>(Dana/Spicer 44 Ser., 50 Ser.axle)</b>	
	Seal ; RH .....	470672
	Seal ; LH .....	710043
	Cyl. Bearing ; RH .....	5707
<b>1982-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
	Seal ; RH .....	2146
	Seal ; LH .....	710043
	Wheel Brg; RH .....	A9

### Spindle

<b>1998-1980</b>	<b>(Dana/Spicer 44 Ser. axle from</b>	
	Seal ; Inner .....	722108
	Seal ; Outer .....	722109
	Needle Bearing; Inner .....	B2110
<b>1998-1980</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
	Seal ; Inner .....	710044
	Seal ; Outer .....	710045

### Steering Knuckle

<b>1997-1980</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
	Cone/Cup .....	23100-23256
	Seal .....	710304

## REAR AXLE

### Differential

<b>2006-1985</b>	<b>(10.25", 10,5" R.G.)</b>	
	Cone/Cup .....	469-453X
<b>1998-1980</b>	<b>(Dana/Spicer 60, 61, 70 Ser.Axles)</b>	
	Cone/Cup .....	387A-382S

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 3/4 TON - Econoline, E200, E250, F200, F250, Parcel Delivery, Pickup (cont.)</b>					

## REAR AXLE(cont)

### Pinion

<b>2006-1999 (10.5" R.G.)</b>		
Seal Viton .....		4278
Cone/Cup ; Outer .....	HM89443-HM89411	
<b>1998 (10.5" R.G.) (Prod. From 1/98 On)</b>		
Seal Viton .....		4278
Cone/Cup ; Outer .....	HM89443-HM89411	
Cone/Cup ; Inner .....	HM807044-HM807010	
<b>1998-1989 (Dana/Spicer 60-1U Axle)</b>		
Seal Viton .....		719316
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>1988-1987 (Dana/Spicer 60-3, 61-2 Axles)</b>		
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>1988-1987 (Dana/Spicer 61-1 Axle)</b>		
Seal Viton .....		719316
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>1988-1980 (9" R.G.)</b>		
Seal .....		7044NA
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M88048-M88010	
<b>1986-1980 (Dana/Spicer 60, 61 Ser. Axles From Ch.#G90001)</b>		
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>1985-1983 (Dana/Spicer 70 Ser. Axle)</b>		
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....		

## DRIVESHAFT SUPPORT

<b>1992-1980 (Spicer 1260, 1280, 1310, 1410,1480) (1.3780 Brg. I.D.)</b>		
Ball Bearing .....		88107
<b>1983-1980 (Spicer 1410, 1650) (1.7717" Brg.I.D.)</b>		
Ball Bearing .....		88509

## CLUTCH

### Pilot Bearing

<b>2002-1988 8 Cyl 445ci/7.3L Diesel</b>		
Needle Bearing .....		FC65662
<b>1997-1983 8 Cyl 460ci/7.5L</b>		
Needle Bearing .....		FC66067
<b>1997-1975 8 Cyl 351ci/5.8L</b>		
Needle Bearing .....		FC65662
<b>1996-1975 6 Cyl 300ci/4.9L</b>		
Needle Bearing .....		FC65662
<b>1996-1975 8 Cyl 302ci/5.0L</b>		
Needle Bearing .....		FC65662

## CLUTCH(cont)

### Release Bearing

<b>1998-1997 6 Cyl 256ci/4.2L</b>		
Bearing Assembly .....		614169
<b>1997-1993 8 Cyl 351ci/5.8L 5 Spd w/ Hydraulic Clutch</b>		
Bearing Assembly .....		614169
<b>1997-1988 8 Cyl 445ci/7.3L Diesel</b>		
Bearing Assembly .....		614062
<b>1997-1987 8 Cyl 460ci/7.5L 5 Spd</b>		
Bearing Assembly .....		614062
<b>1996-1994 6 Cyl 300ci/4.9L</b>		
Bearing Assembly .....		614169
<b>1996-1993 8 Cyl 302ci/5.0L 5 Spd w/ Hydraulic Clutch</b>		
Bearing Assembly .....		614169
<b>1993-1992 6 Cyl 300ci/4.9L 5 Spd w/ Hydraulic Clutch</b>		
Bearing Assembly .....		614169
<b>1993-1988 6 Cyl 300ci/4.9L 4 Spd</b>		
Bearing Assembly .....		614014
<b>1993-1988 8 Cyl 302ci/5.0L 4 Spd</b>		
Bearing Assembly .....		614014
<b>1993-1988 8 Cyl 351ci/5.8L 4 Spd</b>		
Bearing Assembly .....		614014
<b>1993-1983 8 Cyl 460ci/7.5L 4 Spd</b>		
Bearing Assembly .....		614014
<b>1992-1988 8 Cyl 302ci/5.0L 5 Spd w/ Hydraulic Clutch</b>		
Bearing Assembly .....		614061
<b>1992-1988 8 Cyl 351ci/5.8L 5 Spd w/ Hydraulic Clutch</b>		
Bearing Assembly .....		614061
<b>1991-1988 6 Cyl 300ci/4.9L 5 Spd w/ Hydraulic Clutch</b>		
Bearing Assembly .....		614061
<b>1987 8 Cyl 420ci/6.9L Diesel 5 Spd</b>		
Bearing Assembly .....		614062
<b>1987-1983 6 Cyl 300ci/4.9L</b>		
Bearing Assembly .....		614014
<b>1982-1980 6 Cyl 300ci/4.9L</b>		
Bearing Assembly .....		614038

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1990-1980 (C6)</b>		
Seal .....		410308
<b>1986-1980 (C4 booted) (C5)</b>		
Seal .....		7692S
Seal Kit .....		5202

### Selector Shaft Seal/Man. Shaft

<b>1990-1980 (C6)</b>		
Seal .....		7929S
<b>1986-1980 (C4, C5)</b>		
Seal .....		240816

### Torque Converter

<b>1990-1980 (C4, C5, C6)</b>		
Seal .....		331107N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 3/4 TON - Econoline, E200, E250, F200, F250, Parcel Delivery, Pickup (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1994 (4R70W, AODE)	
Seal .....	4765
2000-1989 (E4OD)	
Seal .....	7300S
Seal Kit .....	5203
1993-1980 (AOT, AOD) (long boot)	
Seal .....	7692S
Seal Kit .....	5202

### Selector Shaft Seal/Man. Shaft

2002-1980 All	
Seal .....	7929S

### Torque Converter

2002-1989 (4R70W, AODEW, E4OD)	
Seal .....	3404
1993-1980 (AOT, AOD)	
Seal .....	331107N

## 3-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1986-1980 (Tremec)	
Ball Bearing .....	99112
Repair Sleeve .....	3638
Seal .....	

### Rear Output Shaft

1986-1980 (Tremec)	
Ball Bearing .....	207L
Seal .....	7692S
Seal Kit .....	5202

## 4-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

1990-1980 (Tremec)	
Seal .....	313156

### Input Shaft

1993-1983 (Warner T18)	
Ball Bearing .....	308L4
Repair Sleeve .....	99125
Seal .....	7412S
1990-1980 (Tremec)	
Ball Bearing .....	308L4
Repair Sleeve .....	99112
Seal .....	3638
1987-1980 (New Process 435)	
Cone/Cup .....	HM88649-HM88610
Seal .....	482163N
1982-1980 (Warner T18)	
Ball Bearing .....	308L1
Repair Sleeve .....	99125
Seal .....	7412S

## 4-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

1993-1984 (Warner T18) (28 spline)	
Ball Bearing .....	308L1
Seal .....	7692S
Seal Kit .....	5202
1990-1985 (Tremec) (2nd design)	
Ball Bearing .....	308L
Seal .....	7692S
Seal Kit .....	5202
1987-1984 (Warner T18) (31 spline)	
Ball Bearing .....	308L1
Seal .....	473442
1987-1980 (New Process 435)	
Ball Bearing .....	1308L
Seal .....	471271
1985-1980 (Tremec) (1st design)	
Ball Bearing .....	308L4
Seal .....	7692S
Seal Kit .....	5202
1983-1980 (Warner T18) (28 spline)	
Ball Bearing .....	1308L
Seal .....	7692S
Seal Kit .....	5202
1983-1980 (Warner T18) (31 spline)	
Ball Bearing .....	1308L
Seal .....	473442

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

2005-1987 (ZF S5 47)	
Cone/Cup .....	28580-28521
Seal Viton .....	713771
2002-1987 (ZF S5 42)	
Cone/Cup .....	28580-28521
Seal Viton .....	713771
1999-1988 Mazda	
Repair Sleeve .....	99114
Seal .....	223012

### Rear Output Shaft

2004-1987 (ZF S5 47) (2WD)	
Cone/Cup .....	225010
Seal .....	
2004-1987 (ZF S5 47) (4WD)	
Cone/Cup .....	1217
Seal .....	
2002-1987 (ZF S5 42) (2WD)	
Cone/Cup .....	225010
Seal .....	
2002-1987 (ZF S5 42) (4WD)	
Cone/Cup .....	1217
Seal .....	
2001-1988 Mazda	
Seal .....	710415

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 3/4 TON - Econoline, E200, E250, F200, F250, Parcel Delivery, Pickup (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

### Countershaft

2005-1987 (ZF S5 47)	
Cone/Cup .....	2580-2520
2002-1987 (ZF S5 42)	
Cone/Cup .....	2580-2520

## 6-SPEED MANUAL TRANSMISSION

### Rear Output Shaft

2004-1999 (ZF S6 650) (2WD)	
Cone/Cup .....	225010
Seal .....	
2004-1999 (ZF S6 650) (4WD)	
Cone/Cup .....	1217
Seal .....	

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

1999-1987 (Warner)	
Seal .....	330385

### Input Shaft

2002-1999 (New Process)	
Ball Bearing .....	211
1999-1996 (Warner 4407)	
Ball Bearing .....	211
Seal .....	4333N
1998-1987 (Warner 1356)	
Ball Bearing .....	110
Seal .....	714503
1997-1996 (Warner 4406)	
Ball Bearing .....	211
1990-1981 (Warner 1345)	
Repair Sleeve .....	99175
Seal .....	710062
1986-1980 (New Process 208)	
Repair Sleeve .....	99193
Seal .....	3173

### Front Output Shaft

2002-1999 (New Process 271, 273)	
Ball Bearing .....	111
1999-1996 (Warner 4407)	
Seal ; Outer .....	4333N
Ball Bearing ; Inner .....	207
Ball Bearing ; Outer .....	208
1998-1987 (Warner 1356)	
Ball Bearing .....	207
Seal .....	714503
1997-1996 (Warner 4406)	
Ball Bearing .....	208
Seal .....	4333N

## TRANSFER CASE(cont)

### Front Output Shaft(cont)

1990-1981 (Warner 1345)	
Ball Bearing .....	207
Repair Sleeve .....	99187
Seal .....	3946
1986-1980 (New Process 208)	
Repair Sleeve .....	99187
Seal .....	3946

### Rear Output Shaft

1999-1996 (Warner 4407)	
Ball Bearing .....	308
Seal .....	4503N
1998-1987 (Warner 1356) (fixed yoke)	
Ball Bearing .....	207
Seal .....	4333N
1998-1987 (Warner 1356) (slip yoke)	
Ball Bearing .....	207
Seal .....	4503N
1997-1996 (Warner 4406)	
Ball Bearing .....	207
Seal .....	4503N
1990 (Warner 1345)	
Ball Bearing .....	207
Repair Sleeve .....	99187
Seal .....	3946
1989 (Warner 1345) (booted)	
Ball Bearing .....	207
Seal .....	4333N
1989-1981 (Warner 1345) (w/o boot)	
Ball Bearing .....	207
Repair Sleeve .....	99187
Seal .....	3946
1986-1980 (New Process 208) (fixed yoke)	
Ball Bearing .....	1207L
Repair Sleeve .....	99187
Seal .....	3946
1986-1980 (New Process 208) (slip yoke)	
Ball Bearing .....	1207L
Seal .....	4333N

### Oil Pump Housing

1986-1980 (New Process)	
Repair Sleeve .....	99225
Seal .....	341022

### Intermediate Shaft

1999-1996 (Warner)	
Ball Bearing .....	210S

## A/C COMPRESSOR

2002-1989 (Nippondenso FX 15) (axial)	
Ball Bearing .....	5106WCC
1996-1988 (Sanden SD 709) (axial)	
Ball Bearing .....	5001KFF
1993-1982 (Ford FS6) (axial)	
Ball Bearing .....	5000KFF

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 3/4 TON - Econoline, E200, E250, F200, F250, Parcel Delivery, Pickup (cont.)</b>					

<b>A/C COMPRESSOR(cont)</b>		
1987-1984	(TecumsehHR980) (radial) (Nippondenso6E171) (axial)	
Ball Bearing .....		5000KFF
1984-1980	(Tecumseh York) (axial)	
Ball Bearing .....		5106WCC
<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
1997-1980	(Ford pump)	
Seal .....		8773S
1997-1980	(Saginaw pump)	
Seal .....		7013S
<b>Pitman Shaft</b>		
1982-1980	E200, E250	
Seal Kit .....		PSK1
<b>MANUAL STEERING</b>		
<b>Worm Shaft</b>		
1998-1983	All	
Seal .....		221922
1982-1980	(Saginaw)	
Ball Bearing .....		8537
Seal .....		480821
<b>Pitman Shaft</b>		
1982-1980	(Ford design)	
Seal .....		340151
1982-1980	(Saginaw design)	
Seal .....		313842
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2003-1980	256/4.2L, 300/4.9L	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942
<b>8 Cylinder</b>		
2006-1997	281/4.6L,330/5.4L	
Repair Sleeve .....		99187
Seal .....		482041N
2003-1983	420/6.9L, 444/7.3L (Diesel)	
Seal Viton .....		3894V
Seal .....		5066
1997-1980	302/5.0L, 351/5.8L, 352/5.8L,360/5.9L, 390/6.4L, 400/6.6L,460/7.5L	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942
<b>10 Cylinder</b>		
2006-1999	415/6.8L	
Repair Sleeve .....		99187
Seal .....		482041N

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2003-1997	256/4.2L	
Repair Sleeve .....		99363
Seal .....		39302
Seal PTFE H/D .....		
1996-1980	240/3.9, 300/4.9L	
Seal Viton .....		2377
Repair Sleeve .....		99372
Seal PTFE H/D .....		5278
<b>8 Cylinder</b>		
2006-1984	281/4.6L, 302/5.0L,330/5.4L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
2002-1994	444/7.3L (Diesel)	
Seal .....		5723
1997-1984	351/5.8L	
Seal Viton .....		2377
Repair Sleeve .....		99372
Seal PTFE H/D .....		5278
1997-1980	460/7.5L	
Seal Rope .....		5095
Seal Split .....		5118
1994-1983	420/6.9L, 444/7.3L (Diesel)	
Seal Viton .....		3893V
1983	302/5.0L From 12/82	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
1983	302/5.0L Thru 11/82	
Seal Rope .....		5095
Seal Split .....		5108
1983	351/5.8L (W) From 7/10/83	
Seal Viton .....		2377
Repair Sleeve .....		99372
Seal PTFE H/D .....		5278
1983	351/5.8L (W) To 7/10/83	
Seal Rope .....		5095
Seal Split .....		5117
1982-1980	302/5.0L	
Seal Rope .....		5095
Seal Split .....		5108
1982-1980	351/5.8L, 360/5.9L, 400/6.6L	
Seal Rope .....		5095
Seal Split .....		5117
<b>10 Cylinder</b>		
2006-1999	415/6.8L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1 TON - Econoline, E300, E350, F3, F350, Motor Home, Parcel Delivery, Pickup, Van, 3500 Series</b>					

## FRONT WHEEL

### 2WD

<b>2006-1981</b>	<b>E350 Econoline</b>	
Cone/Cup ; Outer .....	15101-15245	
Seal ; Inner .....	4160	
<b>2005-1999</b>	<b>F350</b>	
Cone/Cup ; Outer .....	15101-15245	
Seal ; Inner .....	4160	
<b>1997-1980</b>	<b>F350</b>	
Cone/Cup ; Outer .....	15101-15245	
Seal ; Inner .....	4160	
<b>1980</b>	<b>E350 Econoline (From 11/4/80)</b>	
Cone/Cup ; Outer .....	15101-15245	
Seal ; Inner .....	4160	
<b>1980</b>	<b>E350 Econoline (Thru 11/3/80)</b>	
Cone/Cup ; Outer .....	15101-15245	
Seal ; Inner .....	493637	

### 4WD/AWD

<b>2005-2000</b>	<b>F350 Super Duty (DRW) (4 Whl.ABS)</b>	
Hub Assembly .....	515025	
<b>2005-2000</b>	<b>F350 Super Duty (SRW) (4 Whl.ABS)</b> <b>(Coarse Thread Studs)</b>	
Hub Assembly .....	515020	
<b>2005-2000</b>	<b>F350 Super Duty (SRW) (Rr. Whl.ABS)</b>	
Hub Assembly .....	515021	
<b>1999</b>	<b>F350 Super Duty (DRW) (4 Whl ABS)</b> <b>(Coarse Thread) (From 3/22/99)</b>	
Hub Assembly .....	515025	
<b>1999</b>	<b>F350 Super Duty (DRW) (4 Whl ABS)</b> <b>(Coarse Thread Studs) (Thru3/21/99)</b>	
Hub Assembly .....	515077	
<b>1999</b>	<b>F350 Super Duty (DRW) (4 Whl ABS) (Fin Thread) (From 3/22/99)</b>	
Hub Assembly .....	515057	
<b>1999</b>	<b>F350 Super Duty (SRW) (4 Whl ABS)</b> <b>(Coarse Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....	515020	
<b>1999</b>	<b>F350 Super Duty (SRW) (4 Whl ABS) (Fin Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....	515056	
<b>1999</b>	<b>F350 Super Duty (SRW) (Rr. Whl.ABS)</b> <b>(From 3/22/99)</b>	
Hub Assembly .....	515021	
<b>1997-1980</b>	<b>All</b>	
Cone/Cup ; Inner .....	387A-382A	
Seal ; Inner .....	415960	
Cup/Cone; Outer .....	A38	

## REAR WHEEL

<b>2006-1981</b>	<b>E350 Econoline</b>	
Cone/Cup ; Inner .....	387AS-382A	
Seal ; Inner .....	9864S	
Cup/Cone; Outer .....	A38	

## REAR WHEEL(cont)

<b>2005-1999</b>	<b>F350 Super Duty (10.5" R.G.)</b>	
Seal ; Inner .....	370247A <sup>21</sup>	
Cup/Cone; Outer .....	A38	
<b>2005-1999</b>	<b>F350 Super Duty (DRW) (Dana 80Axle)</b> <b>(11.25" R.G.)</b>	
Cone/Cup ; Outer .....	33281-33462	
Cone/Cup ; Inner .....	710454	
Seal ; Inner .....		
<b>1997-1994</b>	<b>F350 (10.25", 10.5" R.G.) (From4/1/94)</b>	
Cone/Cup ; Inner .....	370047A <sup>21</sup>	
Seal ; Inner .....	A38	
Cup/Cone; Outer .....		
<b>1997-1980</b>	<b>F350 (Spicer 60, 61, 70 Ser.Axle)</b>	
Cone/Cup ; Inner .....	387AS-382A	
Seal ; Inner .....	9864S	
Cup/Cone; Outer .....	A38	
<b>1994-1985</b>	<b>F350 (10.25" R.G.) (Thru 3/31/94)</b>	
Cone/Cup ; Inner .....	3994-3920	
Seal ; Inner .....	370047A <sup>21</sup>	
Cup/Cone; Outer .....	A38	
<b>1993-1992</b>	<b>F350 (Spicer 80 Ser. Axle)</b>	
Cone/Cup ; Outer .....	JLM506849-JLM506810	
Cone/Cup ; Inner .....	39585-39520	
Seal ; Inner .....	370018A <sup>21</sup>	
<b>1980</b>	<b>E350 Econoline (DRW) (From Ch# A75001).</b>	
Seal ; Inner .....	3385	
Cup/Cone; Outer .....	A38	
Cone/Cup ; Inner J .....		
<b>1980</b>	<b>E350 Econoline (SRW)</b>	
Cone/Cup ; Inner .....	387AS-382A	
Seal ; Inner .....	9864S	
Cup/Cone; Outer .....	A38	

## 4WD FRONT AXLE

### Differential

<b>2006-1980</b>	<b>(Dana/Spicer 60 Ser. MonobeamAxle)</b>	
Cone/Cup .....	387A-382S	
<b>2004-1980</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
Cone/Cup .....	JLM104946-LM104911A	
<b>1997-1980</b>	<b>(Dana/Spicer 50 Ser. Indep. Axle)</b>	
Cone/Cup .....	JLM104948-LM104911A	

### Pinion

<b>2006-2002</b>	<b>(Dana/Spicer 60 Ser. MonobeamAxle)</b>	
Repair Sleeve .....	99187	
Seal .....	9316	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM803146-HM803110	
<b>2004-1999</b>	<b>(Dana/Spicer 50 Ser. Axle)</b>	
Seal .....	2506	
Cone/Cup ; Outer .....	02872-02820	
Cone/Cup ; Inner .....	HM88649-HM88610	

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1 TON - Econoline, E300, E350, F3, F350, Motor Home, Parcel Delivery, Pickup, Van, 3500 Series (cont.)</b>					

<b>4WD FRONT AXLE(cont)</b>	
<b>Pinion(cont)</b>	
1997-1987 (Dana/Spicer 60 Ser. Axle)	
Seal Viton .....	719316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM803146-HM803110
1997-1980 (Dana/Spicer 50 Ser. Indep. Axle)	
Repair Sleeve .....	99155
Seal .....	5778
Cone/Cup ; Outer .....	02872-02820
Cone/Cup ; Inner .....	HM88649-HM88610
1986-1980 (Dana/Spicer 60 Ser. Axle)	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM803146-HM803110
<b>Axle Shaft</b>	
1997-1985 (Spicer 60 Axle)	
Seal .....	470682
1997-1985 (w/o Spicer 60)	
Seal ; Inner .....	710414
Seal ; Outer .....	710413
1985-1983 (Spicer 50.5 IFS)	
Seal ; RH .....	470672
Seal ; LH .....	710043
Cyl. Bearing ; RH .....	5707
1982-1980 (Spicer)	
Seal ; RH .....	2146
Seal ; LH .....	710043
Wheel Brg; RH .....	A9
<b>Spindle</b>	
2002-1992 All	
Seal ; Inner .....	710414
Seal ; Outer .....	710413
1991-1980 (Dana/Spicer 50, 60 Ser. axle)	
Seal ; Inner .....	710044
Seal ; Outer .....	710045
<b>Steering Knuckle</b>	
1998-1985 (Dana/Spicer 60-7 Axle)	
Cone/Cup .....	23100-23256
Seal .....	710304
1983-1980 (Dana/Spicer 60-3 Axle)	
Cone/Cup .....	23100-23256
Seal .....	710304

<b>REAR AXLE</b>	
<b>Differential</b>	
2006-1999 (10.5" R.G.)	
Cone/Cup .....	469-453X
2006-1999 (11.25" R.G.)	
Cone/Cup .....	469-453X
2005-1988 (Dana/Spicer 80 Axle F SuperDuty Ch.)	
Cone/Cup .....	469-453X
1999-1985 (10.25", 10,5" R.G.)	
Cone/Cup .....	469-453X

<b>REAR AXLE(cont)</b>	
<b>Differential(cont)</b>	
1998-1980 (Dana/Spicer 60, 60-U, 60-1U,61-1, 61 Axles)	
Cone/Cup .....	387A-382S
1995-1980 (Dana/Spicer 70 H/D, 70-1H/D,70-2U, 80 Ser. Axles) (10.25"R.G.)	
Cone/Cup .....	469-453X
1988-1980 (Dana/Spicer 70-D, 70-B, 70-U,70-2U Axles)	
Cone/Cup .....	387A-382S
<b>Pinion</b>	
2006-1999 (10.5" R.G.)	
Seal Viton .....	4278
Cone/Cup ; Outer .....	HM89443-HM89411
2006-1999 (11.25" R.G.)	
Seal Viton .....	4525V
Cone/Cup ; Outer .....	M802048-M802011
2005-1999 (Dana/Spicer 80 Axle)	
Seal Viton .....	4525V
Cone/Cup ; Outer .....	M802048-M802011
1999-1987 (Dana/Spicer 70-2U Axle)	
Seal Viton .....	719316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	
1998-1988 (11.25" R.G.)	
Seal Viton .....	4525V
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	HM807046-HM807010
1998-1988 (Dana/Spicer 80 Axle)	
Seal Viton .....	4525V
Cone/Cup ; Outer .....	M802048-M802011
Cone/Cup ; Inner .....	HM807046-HM807010
1998-1985 (10.25", 10,5" R.G.)	
Seal Viton .....	4278
Cone/Cup ; Outer .....	HM89443-HM89411
Cone/Cup ; Inner .....	HM807044-HM807010
1997-1987 (Dana/Spicer 70-1H/D, 70 H/D)Axle)	
Seal Viton .....	719316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM807040-HM807010
1988-1987 (Dana/Spicer 61-1 Axle)	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	HM803146-HM803110
1986-1981 (Dana/Spicer 70-U, 70-2U) (Prod.From 11/1981 On)	
Repair Sleeve .....	99187
Seal .....	9316
Cone/Cup ; Outer .....	HM88542-HM88510
Cone/Cup ; Inner .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1 TON - Econoline, E300, E350, F3, F350, Motor Home, Parcel Delivery, Pickup, Van, 3500 Series (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

1986-1980	(Dana/Spicer 60, 60-U, 61, 61-1Axle From Ch. #G90001 On)	
	Repair Sleeve .....	99187
	Seal .....	9316
	Cone/Cup ; Outer .....	HM88542-HM88510
	Cone/Cup ; Inner .....	HM803146-HM803110
1986-1980	(Dana/Spicer 70-1H/D, 70-B, 70H/D Axle From Ch. #G90001 On)	
	Repair Sleeve .....	99187
	Seal .....	9316
	Cone/Cup ; Outer .....	HM88542-HM88510
	Cone/Cup ; Inner .....	HM807040-HM807010

## DRIVESHAFT SUPPORT

1995-1980	(Spicer 1260, 1280, 1310, 1410,1480) (1.3780" Brg. I.D.)	
	Ball Bearing .....	88107
1983-1980	(Spicer 1410, 1650) (1.7717" Brg.I.D.)	
	Ball Bearing .....	88509

## CLUTCH

### Pilot Bearing

2002-1999	8 Cyl 330ci/5.4L SOHC	
	Needle Bearing .....	FC68329
2002-1988	8 Cyl 445ci/7.3L Diesel	
	Needle Bearing .....	FC65662
1998-1997	8 Cyl 330ci/5.4L	
	Needle Bearing .....	FC65662
1997-1983	8 Cyl 460ci/7.5L	
	Needle Bearing .....	FC66067
1997-1975	8 Cyl 351ci/5.8L	
	Needle Bearing .....	FC65662
1996-1965	6 Cyl 300ci/4.9L	
	Needle Bearing .....	FC65662
1982-1972	8 Cyl 302ci/5.0L	
	Needle Bearing .....	FC65662

### Release Bearing

2002-1999	8 Cyl 330ci/5.4L, 445ci/7.3L	
	Bearing Assembly .....	614175
1998-1997	8 Cyl 330ci/5.4L SOHC	
	Bearing Assembly .....	614169
1998-1988	8 Cyl 445ci/7.3L Diesel	
	Bearing Assembly .....	614062
1997-1993	8 Cyl 351ci/5.8L 5 Spd w/ Hydraulic Clutc	
	Bearing Assembly .....	614169
1997-1987	8 Cyl 460ci/7.5L 5 Spd	
	Bearing Assembly .....	614062
1996-1993	6 Cyl 300ci/4.9L 5 Spd w/ Hydraulic Clutc	
	Bearing Assembly .....	614169
1993-1988	8 Cyl 351ci/5.8L 4 Spd	
	Bearing Assembly .....	614014
1993-1983	6 Cyl 300ci/4.9L 4 Spd	
	Bearing Assembly .....	614014

## CLUTCH(cont)

### Release Bearing(cont)

1993-1983	8 Cyl 460ci/7.5L 4 Spd	
	Bearing Assembly .....	614014
1992-1988	6 Cyl 300ci/4.9L 5 Spd w/ Hydraulic Clutc	
	Bearing Assembly .....	614061
1992-1988	8 Cyl 351ci/5.8L 5 Spd w/ Hydraulic Clutc	
	Bearing Assembly .....	614061
1987	8 Cyl 420ci/6.9L Diesel 5 Spd	
	Bearing Assembly .....	614062

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1997-1980	(C6)	
	Seal .....	410308
1986-1980	(C4 booted) (C5)	
	Seal .....	7692S
	Seal Kit .....	5202

### Selector Shaft Seal/Man. Shaft

1997-1980	(C6)	
	Seal .....	7929S
1986-1980	(C4, C5)	
	Seal .....	240816

### Torque Converter

1997-1980	(C4, C5, C6)	
	Seal .....	331107N

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2000-1994	(AODE)	
	Seal .....	4765
2000-1989	(E4OD)	
	Seal .....	7300S
	Seal Kit .....	5203
1993-1980	(AOT, AOD) (long boot)	
	Seal .....	7692S
	Seal Kit .....	5202

### Selector Shaft Seal/Man. Shaft

2005-1980	All	
	Seal .....	240816

### Torque Converter

2000-1989	(AODE, E4OD)	
	Seal .....	3404
1993-1980	(AOT, AOD)	
	Seal .....	331107N

## 3-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1984-1980	(Tremec)	
	Ball Bearing .....	99112
	Repair Sleeve .....	3638
	Seal .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1 TON - Econoline, E300, E350, F3, F350, Motor Home, Parcel Delivery, Pickup, Van, 3500 Series (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION(cont)

**Rear Output Shaft**

<b>1984-1980 (Tremec)</b>	
Ball Bearing .....	207L
Seal .....	7692S
Seal Kit .....	5202

## 4-SPEED MANUAL TRANSMISSION

**Selector Shaft Seal/Man. Shaft**

<b>1990-1980 (Tremec)</b>	
Seal .....	313156

**Input Shaft**

<b>1993-1983 (Warner T18)</b>	
Ball Bearing .....	308L4
Repair Sleeve .....	99125
Seal .....	7412S

<b>1990-1980 (Tremec)</b>	
Ball Bearing .....	308L4
Repair Sleeve .....	99112
Seal .....	3638

<b>1987-1980 (New Process 435)</b>	
Cone/Cup .....	HM88649-HM88610
Seal .....	482163N

<b>1982-1980 (Warner T18)</b>	
Ball Bearing .....	308L1
Repair Sleeve .....	99125
Seal .....	7412S

**Rear Output Shaft**

<b>1993-1984 (Warner T18) (28 spline)</b>	
Ball Bearing .....	308L1
Seal .....	7692S
Seal Kit .....	5202

<b>1990-1985 (Tremec) (2nd design)</b>	
Ball Bearing .....	308L
Seal .....	7692S
Seal Kit .....	5202

<b>1987-1984 (Warner T18) (31 spline)</b>	
Ball Bearing .....	308L1
Seal .....	473442

<b>1987-1980 (New Process 435)</b>	
Ball Bearing .....	1308L
Seal .....	471271

<b>1985-1980 (Tremec) (1st design)</b>	
Ball Bearing .....	308L4
Seal .....	7692S
Seal Kit .....	5202

<b>1983-1980 (Warner T18) (28 spline)</b>	
Ball Bearing .....	1308L
Seal .....	7692S
Seal Kit .....	5202

<b>1983-1980 (Warner T18) (31 spline)</b>	
Ball Bearing .....	1308L
Seal .....	473442

## 5-SPEED MANUAL TRANSMISSION

**Front Input Shaft**

<b>2004-1999 (ZF S5 47)</b>	
Cone/Cup .....	28580-28521
Seal Viton .....	713771

<b>1998-1987 (ZF S5 42, S5 47)</b>	
Cone/Cup .....	28580-28521
Seal Viton .....	713771

<b>1990-1988 Mazda</b>	
Repair Sleeve .....	99114
Seal .....	223012

**Rear Output Shaft**

<b>2004-1987 (ZF S5 47) (2WD)</b>	
Cone/Cup .....	225010
Seal .....	

<b>2004-1987 (ZF S5 47) (4WD)</b>	
Cone/Cup .....	1217
Seal .....	

<b>2002-1987 (ZF S5 42) (2WD)</b>	
Cone/Cup .....	225010
Seal .....	

<b>2002-1987 (ZF S5 42) (4WD)</b>	
Cone/Cup .....	1217
Seal .....	

<b>1990-1988 Mazda</b>	
Seal .....	710415

**Countershaft**

<b>2005-1987 (ZF S5 47)</b>	
Cone/Cup .....	2580-2520

<b>2002-1987 (ZF S5 42)</b>	
Cone/Cup .....	2580-2520

## 6-SPEED MANUAL TRANSMISSION

**Rear Output Shaft**

<b>2004-1999 (ZF S6 650) (2WD)</b>	
Cone/Cup .....	225010
Seal .....	

<b>2004-1999 (ZF S6 650) (4WD)</b>	
Cone/Cup .....	1217
Seal .....	

## TRANSFER CASE

**Selector Shaft Seal/Man. Shaft**

<b>1997-1987 (Warner 1356, 4407)</b>	
Seal .....	330385

**Input Shaft**

<b>2002-1999 (New Process 271, 273)</b>	
Ball Bearing .....	211

<b>1997-1996 (Warner 4407)</b>	
Ball Bearing .....	211
Seal .....	4333N

<b>1997-1987 (Warner 1356)</b>	
Ball Bearing .....	110
Seal .....	714503

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1 TON - Econoline, E300, E350, F3, F350, Motor Home, Parcel Delivery, Pickup, Van, 3500 Series (cont.)</b>					

## TRANSFER CASE(cont)

### Input Shaft(cont)

<b>1990-1980 (Warner 1345)</b>	
Repair Sleeve .....	99175
Seal .....	710062
<b>1986-1980 (New Process 208)</b>	
Repair Sleeve .....	99193
Seal .....	3173

### Front Output Shaft

<b>2002-1999 (New Process 271, 273)</b>	
Ball Bearing .....	111
<b>1997-1996 (Warner 4407)</b>	
Seal ; Outer .....	4333N
Ball Bearing ; Inner .....	207
Ball Bearing ; Outer .....	208
<b>1997-1987 (Warner 1356)</b>	
Ball Bearing .....	207
Seal .....	714503
<b>1990-1980 (Warner 1345)</b>	
Ball Bearing .....	207
Repair Sleeve .....	99187
Seal .....	3946
<b>1986-1980 (New Process 208)</b>	
Repair Sleeve .....	99187
Seal .....	3946

### Rear Output Shaft

<b>1997-1996 (Warner 4407)</b>	
Ball Bearing .....	308
Seal .....	4503N
<b>1997-1987 (Warner 1356) (fixed yoke)</b>	
Ball Bearing .....	207
Seal .....	4333N
<b>1997-1987 (Warner 1356) (slip yoke)</b>	
Ball Bearing .....	207
Seal .....	4503N
<b>1990-1980 (Warner 1345) (w/o boot)</b>	
Ball Bearing .....	207
Repair Sleeve .....	99187
Seal .....	3946
<b>1989 (Warner 1345) (booted)</b>	
Ball Bearing .....	207
Seal .....	4333N
<b>1986-1980 (New Process 208) (fixed yoke)</b>	
Ball Bearing .....	1207L
Repair Sleeve .....	99187
Seal .....	3946
<b>1986-1980 (New Process 208) (slip yoke)</b>	
Ball Bearing .....	1207L
Seal .....	4333N

### Oil Pump Housing

<b>1986-1980 (New Process 208)</b>	
Repair Sleeve .....	99225
Seal .....	341022

## TRANSFER CASE(cont)

### Intermediate Shaft

<b>1997-1996 (Warner 4407)</b>	
Ball Bearing .....	210S

## POWER STEERING

### Pump Shaft

<b>1997-1992 (Ford pump)</b>	
Seal .....	8773S
<b>1997-1980 E350 (Saginaw pump)</b>	
Seal .....	7013S
<b>1991-1980 F Ser.</b>	
Seal .....	8773S

### Pitman Shaft

<b>1982-1980 E300, E350</b>	
Seal Kit .....	PSK1

## MANUAL STEERING

### Worm Shaft

<b>1998-1983 E350</b>	
Seal .....	221922
<b>1982-1980 (Saginaw design)</b>	
Ball Bearing .....	8537
Seal .....	480821

### Pitman Shaft

<b>1982-1980 (Ford design)</b>	
Seal .....	340151
<b>1982-1980 (Saginaw design)</b>	
Seal .....	313842

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>1996-1980 300/4.9L</b>	
Repair Sleeve; Frt Entry .....	99187
Repair Sleeve; Rr Entry .....	99187
Seal ; Frt Entry .....	2692
Seal ; Rr Entry .....	2942

### 8 Cylinder

<b>2006-1997 330/5.4L</b>	
Repair Sleeve .....	99187
Seal .....	482041N
<b>2003-1983 420/6.9L, 444/7.3L (Diesel)</b>	
Seal Viton .....	3894V
Seal .....	5066
<b>1997-1980 302/5.0L, 351/5.8L, 352/5.8L, 360/5.9L, 390/6.4L, 400/6.6L, 460/7.5L</b>	
Repair Sleeve; Frt Entry .....	99187
Repair Sleeve; Rr Entry .....	99187
Seal ; Frt Entry .....	2692
Seal ; Rr Entry .....	2942

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK &amp; VAN- 1 TON - Econoline, E300, E350, F3, F350, Motor Home, Parcel Delivery, Pickup, Van, 3500 Series (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1997-1980	351/5.8L, 400/6.6L, 460/7.5L	
Repair Sleeve; Frt Entry	.....	99187
Repair Sleeve; Rr Entry	.....	99187
Seal ; Frt Entry	.....	2692
Seal ; Rr Entry	.....	2942
<b>10 Cylinder</b>		
2006-1997	415/6.8L	
Repair Sleeve	.....	99187
Seal	.....	482041N
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1996-1980	300/4.9L	
Seal Viton	.....	2377
Repair Sleeve	.....	99372
Seal PTFE H/D	.....	5278
<b>8 Cylinder</b>		
2006-1997	330/5.4L	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	
2003-1994	444/7.3L (Diesel)	
Seal	.....	5723
1997-1984	351/5.8L	
Seal Viton	.....	2377
Repair Sleeve	.....	99372
Seal PTFE H/D	.....	5278

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1997-1980	460/7.5L	
Seal Rope	.....	5095
Seal Split	.....	5118
1994-1983	420/6.9L, 444/7.3L (Diesel)	
Seal Viton	.....	3893V
1983	351/5.8L (W) From 7/10/83	
Seal Viton	.....	2377
Repair Sleeve	.....	99372
Seal PTFE H/D	.....	5278
1983	351/5.8L (W) To 7/10/83	
Seal Rope	.....	5095
Seal Split	.....	5117
1982-1980	351/5.8L, 360/5.9L, 400/6.6L	
Seal Rope	.....	5095
Seal Split	.....	5117
<b>10 Cylinder</b>		
2006-1997	415/6.8L	
Seal Viton	.....	3909
Repair Sleeve	.....	99363
Seal PTFE H/D	.....	

## FORD TRUCK- 1-1/2, 2, 2-1/2 TON - Motor Home Chassis, Parcel Delivery, Pickup, 400, 450, F53, F59, 500, 550, 600, 700 Series

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2005-2000	E450	
Cone/Cup ; Outer	.....	15101-15245
Seal ; Inner	.....	4160
2003-2000	F650, F750 (9000 lb. Axle) (ABS)	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
Seal ; Inner	.....	370132A <sup>21</sup>
2003-2000	F750 (12000 lb. Axle) (ABS)	
Cone/Cup ; Outer	.....	HD205
Cone/Cup ; Inner	.....	HD200
Seal ; Inner	.....	370001A <sup>21</sup>

<b>FRONT WHEEL(cont)</b>		
<b>2WD(cont)</b>		
1998-1982	F450 Super Duty, F53, F550 Super Duty	
Cone/Cup ; Outer	.....	15101-15245
Seal ; Inner	.....	4160
1994-1984	600, 700 Ser. (6000, 7000 lb.Axle) (Disc)	
Cone/Cup ; Outer	.....	25880-25820
Cone/Cup ; Inner	.....	45284-45220
Seal ; Inner	.....	2674
1994-1980	600, 700 Ser. (7500, 9000, 12000lb. Axle)	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
Seal ; Inner	.....	370132A <sup>21</sup>

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- 1-1/2, 2, 2-1/2 TON - Motor Home Chassis, Parcel Delivery, Pickup, 400, 450, F53, F59, 500, 550, 600, 700 Series (cont.)</b>					

## FRONT WHEEL(cont)

### 2WD(cont)

<b>1983-1980</b>	<b>500 Ser. (5500 lb. Axle)</b>	
Cone/Cup ; Outer .....	25877-25820	
Cone/Cup ; Inner .....	25590-25520	
<b>1983-1980</b>	<b>600, 700 Ser. (5500 lb. Axle)</b>	
Cone/Cup ; Outer .....	25877-25820	
Cone/Cup ; Inner .....	25590-25520	

### 4WD/AWD

<b>2004-2000</b>	<b>F450, F550 Super Duty (DRW) (4Whl. ABS)</b>	
Hub Assembly .....	515025	
<b>2004-2000</b>	<b>F450, F550 Super Duty (SRW) (4Whl. ABS) (Coarse Thread Studs)</b>	
Hub Assembly .....	515020	
<b>2004-2000</b>	<b>F450, F550 Super Duty(SRW) (Rr. Whl. ABS)</b>	
Hub Assembly .....	515021	
<b>1999</b>	<b>F450, F550 Super Duty (DRW) (4Whl ABS (Coarse Thread) (From 3/22/99)</b>	
Hub Assembly .....	515025	
<b>1999</b>	<b>F450, F550 Super Duty (DRW) (4Whl ABS (Coarse Thread Studs) (Thru 3/21/99)</b>	
Hub Assembly .....	515077	
<b>1999</b>	<b>F450, F550 Super Duty (DRW) (4Whl ABS (Fine Thread) (From 3/22/99)</b>	
Hub Assembly .....	515057	
<b>1999</b>	<b>F450, F550 Super Duty (SRW) (4Whl ABS (Coarse Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....	515020	
<b>1999</b>	<b>F450, F550 Super Duty (SRW) (4Whl ABS (Fine Thread Studs) (From 3/22/99)</b>	
Hub Assembly .....	515056	
<b>1999</b>	<b>F450, F550 Super Duty(SRW) (Rr. Whl. ABS) (From3/22/99)</b>	
Hub Assembly .....	515021	
<b>1997-1980</b>	<b>All</b>	
Cone/Cup ; Inner .....	387A-382A	
Seal ; Inner .....	415960	
Cup/Cone; Outer .....	A38	

## REAR WHEEL

<b>2005-2000</b>	<b>E450</b>	
Cone/Cup ; Inner .....	387AS-382A	
Seal ; Inner .....	9864S	
Cup/Cone; Outer .....	A38	
<b>2005-1999</b>	<b>F450 Super Duty, F53, F550Super Duty</b>	
Cone/Cup ; Outer .....	33281-33462	
Cone/Cup ; Inner .....	710454	
Seal ; Inner .....		
<b>2003-2000</b>	<b>F650, F750 (17,000 lb.Axle) (Dayton Whl.)</b>	
Seal ; Inner .....	370024A <sup>21</sup>	
Cup/Cone; Inner .....	HD209	
Cup/Cone; Outer .....	HD210	

## REAR WHEEL(cont)

<b>1997-1992</b>	<b>F450, F53, F59</b>	
Cone/Cup ; Outer .....	JLM506849-JLM506810	
Cone/Cup ; Inner .....	HD210	
Seal ; Inner .....	370018A <sup>21</sup>	
<b>1991-1988</b>	<b>F450, F53, F59</b>	
Cone/Cup ; Outer .....	368A-362A	
Cone/Cup ; Inner .....	39585-39520	
Seal ; Inner .....	370018A <sup>21</sup>	
<b>1991-1984</b>	<b>(15,000 lb. Axle) (15" x 5" Drum) (Dayton Whl.)</b>	
Cone/Cup ; Outer .....	3982-3920	
Cone/Cup ; Inner .....	33287-33462	
Seal ; Inner .....	370047A <sup>21</sup>	
Seal ; Outer .....	5487	
<b>1990-1988</b>	<b>F Super Duty (Dana 80 Axle)</b>	
Cone/Cup ; Outer .....	368A-362A	
Cone/Cup ; Inner .....	39585-39520	
Seal ; Inner .....	370018A <sup>21</sup>	
<b>1990-1980</b>	<b>(13,000 lb. Axle) (13" x 5" Drum) (Budd Whl.)</b>	
Cone/Cup ; Outer .....	462-453X	
Cone/Cup ; Inner .....	3984-3920	
Seal ; Inner .....	370047A <sup>21</sup>	
<b>1990-1980</b>	<b>(15,000 lb. Axle) (15" x 6" Drum) (Dayton Whl.)</b>	
Cone/Cup ; Outer .....	3982-3920	
Cone/Cup ; Inner .....	33287-33462	
Seal ; Inner .....	370047A <sup>21</sup>	
Seal ; Outer .....	5487	
<b>1989-1987</b>	<b>CF600 Ser. (17,500 lb. Axle)</b>	
Cone/Cup ; Outer .....	HD210	
Cone/Cup ; Inner .....	HD209	
Seal ; Inner .....	370023A <sup>21</sup>	
<b>1989-1987</b>	<b>CF600 Ser. (20,000 lb., 23,000 lb.Axle)</b>	
Cone/Cup ; Outer .....	HD206	
Cone/Cup ; Inner .....	HD203	
Seal ; Inner .....	370003A <sup>21</sup>	

## REAR AXLE

### Differential

<b>2005-1999</b>	<b>(10.5" R.G.)</b>	
Cone/Cup .....	469-453X	
<b>1994-1993</b>	<b>(Rockwell 19220 Axle)</b>	
Cone/Cup .....	42381-42584	
<b>1994-1992</b>	<b>(Rockwell 19145 Axle)</b>	
Cone/Cup .....	JM716649-JM716610	
<b>1994-1987</b>	<b>(Rockwell 13120, 15120 Axles)</b>	
Cone/Cup ; LH .....	3994-JM511910	
Cone/Cup ; RH .....		
<b>1994-1987</b>	<b>(Rockwell 15210 Axle)</b>	
Cone/Cup ; RH .....	JLM714149-JLM714110	
<b>1994-1987</b>	<b>(Rockwell 17140, 21145Axles) (3200-L-1676 Carrier)</b>	
Cone/Cup .....	JM716649-JM716610	

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- 1-1/2, 2, 2-1/2 TON - Motor Home Chassis, Parcel Delivery, Pickup, 400, 450, F53, F59, 500, 550, 600, 700 Series (cont.)</b>					

<b>REAR AXLE(cont)</b>	
<b>Differential(cont)</b>	
1994-1987	(Rockwell 17140, 21145Axles) (3200-M-1547 Carrier) Cone/Cup ; LH ..... JM716649-JM716610
1994-1987	(Rockwell 21230 Axle) Cone/Cup ; LH ..... 52400-52618 Cone/Cup ; RH ..... JM716649-JM716610
1994-1987	(Rockwell 23240 Axle) Cone/Cup ; LH ..... JM716649-JM716610 Cone/Cup ; RH .....
1993-1987	(Rockwell 23180 Axle) Cone/Cup ; LH ..... 64450-64700 Cone/Cup ; RH .....
1992-1987	(Rockwell 17220, 19220 Axles) Cone/Cup ; LH ..... 42381-42584 Cone/Cup ; RH ..... JLM714149-JLM714110
1988-1980	(Eaton 13800, 13802, 15201Axles) Cone/Cup ; LH ..... 498-493 Cone/Cup ; RH ..... 33275-33472
1988-1980	(Eaton 17100, 17101, 17120,17121, 18121, 22121 Axles) Cone/Cup ; LH ..... HD216 Cone/Cup ; RH .....
1988-1980	(Eaton 17200, 17201, 17220,17221, 17800, 17801, 18221,22221, 7800 Axles) Cone/Cup ; LH ..... 56425-56650 Cone/Cup ; RH .....
1988-1980	(Eaton 23121 Axle) Cone/Cup ; LH ..... 42381-42584 Cone/Cup ; RH .....
1988-1980	(Eaton 23221 Axle) (103537 case) Cone/Cup ; LH ..... 68462-68712 Cone/Cup ; RH ..... 42346-42584
1988-1980	(Eaton 23221 Axle) (27950 Case) Cone/Cup ; LH ..... 42346-42584 Cone/Cup ; RH .....
1986-1980	(Dana/Spicer G175T Axle) Cone/Cup ; LH ..... 42381-42584 Cone/Cup ; RH .....
1986-1980	(Eaton 16220, 16221, 16244,16802, 16803 Axles) Cone/Cup ; LH ..... 42381-42584 Cone/Cup ; RH ..... 495A-493
1986-1980	(Rockwell M185T, M190T Axles) Cone/Cup ; LH ..... JM822049-JM822010 Cone/Cup ; RH ..... JM716649-JM716610
1986-1980	(Rockwell M220S, M220T Axles) Cone/Cup ; LH ..... JM822049-JM822010 Cone/Cup ; RH ..... JM716649-JM716610
<b>Pinion</b>	
2005-1999	(10.5" R.G.) Seal Viton ..... 4278 Cone/Cup ; Outer ..... HM89443-HM89411

<b>REAR AXLE(cont)</b>	
<b>Pinion(cont)</b>	
2002-1999	F450 Super Duty (Spicer 80 Axle) Cone/Cup ; Outer ..... M802048-M802011 Cone/Cup ; Inner ..... 55200C-55437
1994-1993	(Rockwell 19220 Axle) Seal ..... 415082N Cone/Cup ; Outer ..... M804049-M804010 Cone/Cup ; Inner ..... 55200C-55437 Cyl. Bearing ..... RU1570UM
1994-1988	(Rockwell 15210 Axle) (Prod.From 12/198 On) Seal ..... 415082N Cone/Cup ; Outer ..... M804049-M804010 Cone/Cup ; Inner ..... 55200C-55437 Cyl. Bearing ..... RU1570UM
1994-1987	(Rockwell 13120, 15120 Axles) Seal ..... 415082N Cone/Cup ; Outer ..... HM804846-HM804810 Cone/Cup ; Inner ..... 55200C-55437 Cyl. Bearing ..... MUB1305UDM
1994-1987	(Rockwell 19145, 21145 Axles) Seal ..... 3905 Cone/Cup ; Outer ..... 55206C-55437 Cone/Cup ; Inner ..... 72212C-72487 Cyl. Bearing ..... RU1570UM
1994-1987	(Rockwell 21230 Axle) Seal ..... 415082N Cone/Cup ; Outer ..... HM804846-HM804810 Cone/Cup ; Inner ..... 55200C-55437
1994-1987	(Rockwell 23160 Axle) Seal ..... HM813843-HM813810 Cone/Cup ; Outer .....
1994-1987	(Rockwell 23240 Axle) Seal ..... 3905 Cone/Cup ; Outer ..... 55206C-55437 Cone/Cup ; Inner ..... 78225C-78551
1993-1987	(Rockwell 23180 Axle) Seal ..... H715334-H715311 Cone/Cup ; Outer ..... Cyl. Bearing .....
1992-1987	(Rockwell 17140Axle) (3200-L-1676 Carrier) Seal ..... 415082N Cone/Cup ; Outer ..... M804049-M804010 Cone/Cup ; Inner ..... 55200C-55437 Cyl. Bearing ..... RU1570UM
1992-1987	(Rockwell 17220, 19220 Axles) Seal ..... 415082N Cone/Cup ; Outer ..... M804049-M804010 Cone/Cup ; Inner ..... 55200C-55437 Cyl. Bearing ..... RU1570UM

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- 1-1/2, 2, 2-1/2 TON - Motor Home Chassis, Parcel Delivery, Pickup, 400, 450, F53, F59, 500, 550, 600, 700 Series (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

<b>1988-1980 (Eaton 17100, 17101, 17120Axles)</b>	
Cone/Cup .....	55200C-55437
Repair Sleeve .....	99262
Seal .....	9773
Cyl. Bearing .....	MUS1307UM
<b>1988-1980 (Eaton 17121 Axle)</b>	
Cone/Cup .....	55200C-55437
Repair Sleeve .....	99262
Seal .....	9773
Cyl. Bearing .....	MUS1307UM
<b>1988-1980 (Eaton 17200, 17220, 17221Axles)</b>	
Cone/Cup .....	55200C-55437
Repair Sleeve .....	99262
Seal .....	9773
Cyl. Bearing .....	MUS1307UM
<b>1988-1980 (Eaton 18121, 18221 Axles)</b>	
Cone/Cup .....	55200C-55437
Repair Sleeve .....	99262
Seal .....	9773
Cyl. Bearing .....	MUS1307UM
<b>1988-1980 (Eaton 22121, 22221 Axles)</b>	
Repair Sleeve .....	99262
Seal .....	9773
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	72200C-72487
Cyl. Bearing .....	MUS1307UM
<b>1988-1980 (Eaton 23121, 23221 Axles)</b>	
Seal .....	712937
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	78215C-78551
Cyl. Bearing .....	
<b>1988-1980 (Rockwell R170 Axle) (7.40 FinalDrive Ratio)</b>	
Seal .....	475012N
Cone/Cup ; Outer .....	HM813843-HM813810
Cone/Cup ; Inner .....	H715343-H715311
Cyl. Bearing .....	
<b>1988-1980 (Rockwell R170 Axle) (Exc. 7.40Final Driv Ratio)</b>	
Seal .....	475012N
Cone/Cup ; Outer .....	HM813843-HM813810
Cone/Cup ; Inner .....	H715343-H715311
Cyl. Bearing .....	
<b>1987 (Rockwell 15210 Axle) (Prod. Thru11/198)</b>	
Seal .....	415082N
Cone/Cup ; Outer .....	M804049-M804010
Cone/Cup ; Inner .....	55200C-55437
Cyl. Bearing .....	
<b>1986-1980 (Dana/Spicer G175T Axle)</b>	
Cone/Cup .....	55200C-55437
Seal .....	477163N
Cyl. Bearing .....	MUS1307UM

## REAR AXLE(cont)

### Pinion(cont)

<b>1986-1980 (Dana/Spicer M185T, M190T,M220S, M220T Axles)</b>	
Seal .....	477163N
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	72225C-72487
Cyl. Bearing .....	
<b>1986-1980 (Eaton 15201 Axle)</b>	
Cone/Cup .....	HM903249-HM903210
Repair Sleeve .....	99225
Seal .....	470737N
Seal Kit .....	722250
Cyl. Bearing .....	MU1305TDM
<b>1986-1980 (Eaton 16244 Axle)</b>	
Cone/Cup .....	55175C-55437
Repair Sleeve .....	99262
Seal .....	9773
Cyl. Bearing .....	MUS1307UM
<b>1986-1980 (Rockwell D100, D140, F106Axles)</b>	
Seal .....	470308N
Cone/Cup ; Outer .....	HM803146-HM803110
Cone/Cup ; Inner .....	MU1305TDM
Cyl. Bearing .....	
<b>1986-1980 (Rockwell H172, H173 Axles)</b>	
Seal .....	415082N
Cone/Cup ; Outer .....	HM804846-HM804810
Cone/Cup ; Inner .....	55200C-55437
Cyl. Bearing .....	RU1570UM

## DRIVESHAFT SUPPORT

<b>1992-1980 (Spicer 1260, 1280, 1310, 1380,1410, 1480) (1.3780" Brg. I.D.)</b>	
Ball Bearing .....	88107
<b>1983-1980 (Spicer 1410, 1650) (1.7717" Brg.I.D.)</b>	
Ball Bearing .....	88509

## CLUTCH

### Pilot Bearing

<b>1992-1986 600 Series w/ Clark 5 Spd</b>	
Ball Bearing .....	206FF
<b>1992-1986 700 Series w/ Clark 5 Spd</b>	
Ball Bearing .....	206FF
<b>1992-1980 600 Ser 429ci/7.0L</b>	
Ball Bearing .....	205SS
<b>1992-1980 600 Ser Diesel, (Exc 1986,1992 Clark 5 Spd)</b>	
Ball Bearing .....	205SS
<b>1992-1980 600 Ser Gas w/ Single Plate Clutch (Exc 1979,1988, P600 Ser)</b>	
Ball Bearing .....	202SS
<b>1992-1980 700 Ser Diesel, (Exc 1986,1992 Clark 5 Spd)</b>	
Ball Bearing .....	205SS
<b>1992-1980 700 Series 429ci/7.0L</b>	
Ball Bearing .....	205SS

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>FORD TRUCK- 1-1/2, 2, 2-1/2 TON - Motor Home Chassis, Parcel Delivery, Pickup, 400, 450, F53, F59, 500, 550, 600, 700 Series (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Pilot Bearing(cont)</b>		
1992-1980	700 Series Gas w/ Single Plate Clutch	
	Ball Bearing .....	202SS
1988-1980	600 Series 370ci/6.1L	
	Ball Bearing .....	105SS1
1988-1980	700 Series 370ci/6.1L	
	Ball Bearing .....	105SS1
1981-1980	700 Ser School Bus 391	
	Ball Bearing .....	105SS1
<b>Release Bearing</b>		
1994-1993	Double Plate Clutch	
	Bearing Assembly .....	614087
1994-1993	Single Plate Clutch	
	Bearing Assembly .....	614058
1992-1989	700 Ser 3208 Cat Diesel, w/ 13" & 14" Double Plate Clutch	
	Bearing Only .....	FA02256C
1992-1975	600, 700 Series Diesel w/ Double Plate Clutch	
	Bearing Only .....	FB02256C
1992-1975	600, 700 Series Diesel w/ Single Plate Clutch	
	Bearing Only .....	FA02256C
1992-1975	600, 700 Series Gas w/ Double Plate Clutch	
	Bearing Only .....	FD02256C
1992-1975	600, 700 Series Gas w/ Single Plate Clutch	
	Bearing Only .....	F01757C

<b>CRANKSHAFT FRONT SEAL</b>		
<b>8 Cylinder</b>		
2004-2000	330/5.4L	
	Repair Sleeve .....	99187
	Seal .....	482041N
2003-1999	7.3L	
	Seal Viton .....	3894V
	Seal .....	5066
<b>10 Cylinder</b>		
2006-1999	415/6.8L	
	Repair Sleeve .....	99187
	Seal .....	482041N
<b>CRANKSHAFT REAR SEAL</b>		
<b>8 Cylinder</b>		
2004-2000	330/5.4L	
	Seal Viton .....	3909
<b>10 Cylinder</b>		
2006-2000	415/6.8L	
	Seal Viton .....	3909

## FUSO TRUCK- FE Series, FG Series

<b>FRONT WHEEL</b>		
1993-1987	(Exh. Brks.)	
	Cone/Cup ; Outer .....	32207
1993-1987	(w/o Exh. Brks.)	
	Cone/Cup ; Outer .....	32207
	Cone/Cup ; Inner .....	30210
<b>REAR AXLE</b>		
<b>Differential</b>		
1995-1987	(R2T Axle)	
	Cone/Cup .....	28985-28921
<b>Pinion</b>		
1995-1987	(R2T Axle)	
	Cone/Cup ; Outer .....	HM803149-HM803112
	Cone/Cup ; Inner .....	

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
1995-1992	4 Cyl 3.9L Turbo Diesel	
	Ball Bearing .....	204FF
1991-1987	4 Cyl 3.3L Turbo Diesel	
	Ball Bearing .....	203FF
<b>Release Bearing</b>		
1995-1992	4 Cyl 3.9L Turbo Diesel	
	Bearing Assembly .....	614141
1991-1987	4 Cyl 3.3L Turbo Diesel	
	Bearing Assembly .....	614107

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **FUSO TRUCK- FH Series, FK Series, FM Series**

<b>REAR WHEEL</b>			<b>CLUTCH</b>		
1995-1986	(Exc. FM Ser.)		<b>Pilot Bearing</b>		
	Cone/Cup ; Inner .....	32215	1991-1986	6 Cyl 6.6L Diesel & Turbo Diesel	
<b>REAR AXLE</b>				Ball Bearing .....	204FF
<b>Pinion</b>			<b>Release Bearing</b>		
1995-1986	(R4T axle)		1991-1986	6 Cyl 6.6L Turbo Diesel, w/ 350mm Clutc	
	Cone/Cup ; Outer .....	30309		Bearing Only .....	613016
	Cone/Cup ; Inner .....				
<b>DRIVESHAFT SUPPORT</b>					
1993-1986	PB Ser. (1.7717" 45mm Brg. I.D.)				
	Ball Bearing .....	209			
1993-1986	PB Ser. (2.1654" 55mm Brg. I.D.)				
	Ball Bearing .....	211			

## **GENERAL MOTORS- Automatic Transaxle - TAAT- MP6 & MP7 (91-02) SC1, SC2, SL, SL1, SL2, SW1, SW2**

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
2000-1991	(4T60E)	
	Repair Sleeve .....	8792S
	Seal .....	
1993-1991	(TAAT)	
	Seal .....	718610

## **GENERAL MOTORS- Automatic Transmission - Allison 1000, 1000/M74**

<b>5-SPEED AUTOMATIC TRANSMISSION</b>			<b>5-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Rear Seal/Ext. Housing</b>			<b>Selector Shaft Seal/Man. Shaft</b>		
2007-2001	(Allison 1000, 1000/M74)		2007-2001	(Allison 1000, 1000/M74)	
	Seal .....	415988		Repair Sleeve .....	8792S
				Seal .....	

## **GENERAL MOTORS- Manual Transaxle - Opel 5T45MI / M86 / M94**

<b>5-SPEED MANUAL TRANSAXLE</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Differential</b>			<b>Output Shaft</b>		
2005-2000	All		2005-2000	All	
	Cone/Cup .....	A35		Ball Bearing .....	99139
				Repair Sleeve .....	3543
				Seal .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GENERAL MOTORS- Manual Transaxle - Opel 5T45MI / M86 / M94 (cont.)</b>					

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Output Shaft(cont)</b>			<b>Input Shaft(cont)</b>		
<b>1999-1983</b>	<b>All</b>		<b>1999-1995</b>	<b>(Isuzu)</b>	
	Repair Sleeve; RH .....	99139		Seal ; Frt .....	222835
	Repair Sleeve; LH .....	99139		Ball Bearing ; Frt .....	
	Seal ; RH .....	3543		Repair Sleeve; Frt .....	
	Seal ; LH .....	3543	<b>1994-1983</b>	<b>(Isuzu)</b>	
	Cone/Cup ; RH .....	32206		Cone/Cup ; Rr .....	30306
	Cup/Cone; LH .....	A5		Cone/Cup ; Frt .....	32206
<b>Input Shaft</b>				Seal ; Frt .....	222835
<b>2005-2000</b>	<b>(Opel)</b>			Repair Sleeve; Frt .....	
	Repair Sleeve .....	222835	<b>1992-1986</b>	<b>(Exc. Isuzu)</b>	
	Seal .....			Ball Bearing ; Frt .....	305DD

## **GEO- also see Chevrolet Imports from 1998 on - Metro, Prizm, Spectrum, Storm**

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
<b>1997-1995</b>	<b>Metro</b>		<b>1991-1989</b>	<b>Metro (Turbo)</b>	
	Seal ; Inner .....	710394		Ball Bearing .....	510001
	Seal ; Outer .....	710175		Seal .....	710175
	Ball Bearing ; Inner .....	510001	<b>1989</b>	<b>Spectrum</b>	
<b>1997-1993</b>	<b>Prizm</b>			Ball Bearing .....	B35
	Ball Bearing .....	510007		Seal ; Inner .....	710098
	Seal ; Inner .....	1993		Seal ; Outer .....	224254
	Seal ; Outer .....	4898	<b>REAR WHEEL</b>		
	Seal Kit .....	5696 <sup>12</sup>	<b>1997-1996</b>	<b>Prizm (ABS)</b>	
	Hub Kit; Non-ABS .....	518507 <sup>13</sup>		Hub Assembly .....	512184
<b>1994-1992</b>	<b>Metro LSI</b>		<b>1997-1995</b>	<b>Metro (ABS)</b>	
	Seal ; Inner .....	710394		Hub Assembly .....	512204
	Seal ; Outer .....	710175	<b>1997-1993</b>	<b>Prizm (Non-ABS)</b>	
	Ball Bearing ; Inner .....	510001		Hub Assembly .....	512018
<b>1994-1992</b>	<b>Metro exc. LSI</b>		<b>1997-1989</b>	<b>Metro (Non-ABS)</b>	
	Seal ; Inner .....	4904		Ball Bearing ; Inner .....	205F
	Ball Bearing ; Inner .....	107DD		Ball Bearing ; Outer .....	204F
	Ball Bearing ; Outer .....	107DD	<b>1995-1993</b>	<b>Prizm (ABS)</b>	
<b>1993-1990</b>	<b>Storm</b>			Hub Assembly .....	512019
	Ball Bearing .....	510033	<b>1993-1990</b>	<b>Storm</b>	
	Seal .....	1953		Hub Assembly .....	512171
<b>1993-1990</b>	<b>Storm GSi</b>		<b>1992-1989</b>	<b>Prizm</b>	
	Seal ; Inner .....	710194		Ball Bearing .....	513031
	Seal ; Outer .....	710192		Seal .....	1180
	Wheel Brg; Inner .....	517005	<b>1989</b>	<b>Spectrum</b>	
<b>1992-1989</b>	<b>Prizm</b>			Seal ; Inner .....	710309
	Seal ; Inner .....	1993		Cup/Cone; Inner .....	A4
	Seal ; Outer .....	4898		Cup/Cone; Outer .....	A1
	Ball Bearing ; Inner .....	510007	<b>CLUTCH</b>		
<b>1991-1989</b>	<b>Metro (Exc. Turbo)</b>		<b>Pilot Bearing</b>		
	Ball Bearing .....	107DD	<b>1996-1992</b>	<b>Metro 1.3L 4 Cyl</b>	
	Seal ; Inner .....	4904		Ball Bearing .....	200CC
			<b>1996-1989</b>	<b>4 Cyl 1.6L DOHC</b>	
				Ball Bearing .....	200CC

<sup>12</sup> Incl w/ Hub Unit <sup>13</sup> Incl: Spindle, Brg and 2 Seals

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GEO- also see Chevrolet Imports from 1998 on - Metro, Prizm, Spectrum, Storm</b>					
<b>(cont.)</b>					

## CLUTCH(cont)

### Pilot Bearing(cont)

1996-1989	Metro 1.0L 3 Cyl Turbo	
	Ball Bearing .....	200CC

### Release Bearing

1996-1995	Metro 1.3L 4 Cyl	
	Bearing Assembly .....	614082
1996-1993	Prizm 1.8L DOHC	
	Bearing Assembly .....	614152
1996-1992	Prizm 1.6L DOHC	
	Bearing Assembly .....	614152
1996-1989	Metro 1.0L 3 Cyl	
	Bearing Assembly .....	614082
1993-1990	Storm	
	Bearing Assembly .....	614108
1991-1989	Prizm 1.6L DOHC	
	Bearing Assembly .....	614043

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

1997-1992	(Aisin A210)	
	Ball Bearing .....	207
1997-1989	(Aisin A131)	
	Seal .....	710416
1991-1989	(Aisin A210) (Turbo)	
	Ball Bearing .....	207
1991-1989	(Aisin A210) (w/o Turbo)	
	Ball Bearing .....	207S

### Output Shaft

1997-1989	Metro	
	Repair Sleeve .....	99139
	Seal .....	223540
1997-1989	Prizm	
	Seal .....	710110

### Selector Shaft Seal/Man. Shaft

1997-1989	Prizm	
	Repair Sleeve .....	221207
	Seal .....	
1990-1989	Metro	
	Seal .....	710116

### Torque Converter

1997-1989	Metro	
	Repair Sleeve .....	223830
	Seal .....	
1997-1989	Prizm	
	Repair Sleeve .....	223830
	Seal .....	
1993-1990	Storm	
	Seal Viton .....	710078

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

1997-1993	(Aisin A245)	
	Seal .....	710416

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Differential(cont)

1993-1990	(Jatco JF403)	
	Cone/Cup ; LH .....	30208
	Seal ; RH .....	710110
	Seal ; LH .....	710109
	Cone/Cup ; RH .....	30208

### Torque Converter / Frt Pump

1997-1989	Prizm	
	Repair Sleeve .....	223830
	Seal .....	
1993	Storm	
	Seal .....	710114
1989	Spectrum	
	Seal Viton .....	710078

### Output Shaft

1997-1990	Prizm	
	Seal ; RH .....	710110
	Seal ; LH .....	710109
1993-1990	Storm	
	Seal ; RH .....	710110
	Seal ; LH .....	710109
1989	Spectrum	
	Repair Sleeve .....	99139
	Seal .....	3543

## ALTERNATOR

1997-1989	Metro	
	Ball Bearing ; Drive End .....	302CC

## CAMSHAFT SEAL

### 3 Cylinder

1997-1989	Metro 1.0	
	Repair Sleeve .....	99128
	Seal .....	710310

### 4 Cylinder

1997-1995	Metro 1.3	
	Repair Sleeve .....	99128
	Seal .....	710310
1997-1989	Prizm	
	Seal .....	1987
1993-1990	Storm	
	Seal .....	1217
1989	Spectrum	
	Seal .....	1217

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

1997-1995	Metro 1.3	
	Repair Sleeve .....	99128
	Seal .....	710310
1997-1993	Prizm 1.8 (DOHC)	
	Repair Sleeve .....	99128
	Seal .....	223235

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GEO- also see Chevrolet Imports from 1998 on - Metro, Prizm, Spectrum, Storm (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1993-1990	Storm	
Seal .....		223220
1989	Spectrum	
Seal .....		223220
<b>CRANKSHAFT REAR SEAL</b>		
<b>3 Cylinder</b>		
1997-1989	Metro 1.0	
Seal .....		710334

## GEO IMPORT TRUCKS- Tracker

<b>FRONT WHEEL</b>		
1997-1989	All	
Seal ; Inner .....		710240
Seal ; Outer .....		710239
Wheel Brg; Inner .....		517009
<b>REAR WHEEL</b>		
1997-1989	All	
Ball Bearing .....		511004

<b>4WD FRONT AXLE</b>		
<b>Pinion</b>		
1997-1989	All	
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
Seal ; Outer .....		710523
<b>Axle Shaft</b>		
1997-1989	All	
Ball Bearing .....		206FF
Seal Viton .....		710331

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
1997-1989	All	
Repair Sleeve .....		99128

## GEO IMPORT TRUCKS- Tracker (cont.)

<b>CAMSHAFT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
Seal .....		710310
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1997-1989	All	
Repair Sleeve .....		99128
Seal .....		710310

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7)</b>					

## FRONT WHEEL

<b>1999-1998</b>	<b>(12,000 lb. Axle W7R042HD)</b>	
Cone/Cup ; Outer .....	33208	
Seal Viton ; Inner .....	370212A <sup>21</sup>	
<b>1998</b>	<b>(16,000 lb. Axle C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	557S-552A	
Cone/Cup ; Inner .....	HD218	
Seal ; Inner .....	370182A <sup>21</sup>	
<b>1998</b>	<b>(W6R042)</b>	
Cone/Cup ; Outer .....	32207	
Seal Viton ; Inner .....	370199A <sup>21</sup>	
Cone ; Inner .....	JM205149	
<b>1998</b>	<b>(W7R042M)</b>	
Cone/Cup ; Inner .....	32208	
Seal ; Inner .....	370211A <sup>21</sup>	
<b>1996-1993</b>	<b>(9,000 lb. Axle B6P042, C6D042)</b>	
Cone/Cup ; Inner .....	33208	
Seal ; Inner .....	370211A <sup>21</sup>	
<b>1996-1991</b>	<b>(12,000 lb. Axle Late C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	33208	
Seal ; Inner .....	370211A <sup>21</sup>	
<b>1996-1990</b>	<b>(11,000 lb. Axle C6H042,C7H042, C7H064, W7R042HD)</b>	
Cone/Cup ; Outer .....	33208	
Seal ; Inner .....	370211A <sup>21</sup>	
<b>1996-1990</b>	<b>(14,500 lb. Axle C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	JM205149-JM205110	
Seal Viton ; Inner .....	370212A <sup>21</sup>	
<b>1996-1990</b>	<b>(16,000 lb. Axle C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....	557S-552A	
Cone/Cup ; Inner .....	HD218	
Seal ; Inner .....	370182A <sup>21</sup>	
<b>1996-1990</b>	<b>(8,000 lb. Axle B7T042, C5H042,C6H042, C7H042, C7H064,P6S042)</b>	
Cone/Cup ; Outer .....	32207	
Cone/Cup ; Inner .....	JM205149A-JM205110	
Seal Viton ; Inner .....	370199A <sup>21</sup>	
<b>1996-1989</b>	<b>(W7R042M Hyd.Brks. Z06 Axle)</b>	
Cone/Cup ; Outer .....	710084	
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1996-1988</b>	<b>W5S042</b>	
Cone/Cup ; Outer .....	513045	
Cone/Cup ; Inner .....	710087	
Seal ; Inner .....		
<b>1996-1987</b>	<b>(W7R042) (HD Axle)</b>	
Cone/Cup ; Outer .....	710084	
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1996-1987</b>	<b>(W7R042M Hyd.Brks. Z05 Axle)</b>	
Cone/Cup ; Outer .....	HD202	
Cone/Cup ; Inner .....	710088	
Seal ; Inner .....		

## FRONT WHEEL(cont)

<b>1994-1990</b>	<b>(W7R042T)</b>	
Cone/Cup ; Outer .....		710088
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1991</b>	<b>(12,000 lb. Axle Early C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....		33208
Seal Viton ; Inner .....		370212A <sup>21</sup>
<b>1991-1989</b>	<b>(9,000 lb. Axle C7D064)</b>	
Cone/Cup ; Outer .....		26878-26820
Cone/Cup ; Inner .....		39581-39520
Seal ; Inner .....		370018A <sup>21</sup>
<b>1991-1980</b>	<b>(7,000 lb. Axle F070, B6P042,C5D042, C6D042, C7D042,C7D064, P4T042, P6T042)</b>	
Cone/Cup ; Outer .....		2796-2720
Cone/Cup ; Inner .....		45284-45220
Seal ; Inner .....		8976S
<b>1990</b>	<b>(14,000 lb. Axle C6H042,C7H042, C7H064)</b>	
Cone/Cup ; Outer .....		JM205149-JM205110
Seal Viton ; Inner .....		370212A <sup>21</sup>
<b>1990-1980</b>	<b>(12,000 lb. Axle B6P042,C6D042, P6T042, S7T042)</b>	
Cone/Cup ; Outer .....		45282-45220
Cone/Cup ; Inner .....		HD202
<b>1990-1980</b>	<b>(5,000 lb. Axle F050, C5D042,C6D042, C7D042, P4T042)</b>	
Cone/Cup ; Outer .....		15103S-15243
Cone/Cup ; Inner .....		3578A-3525
Seal ; Inner .....		8975S
<b>1990-1980</b>	<b>(5,500 lb. Axle F055, C5D042,C6D042, C7D042, P4T042)</b>	
Cone/Cup ; Outer .....		15103S-15243
Cone/Cup ; Inner .....		3578A-3525
Seal ; Inner .....		8975S
<b>1989-1980</b>	<b>(11,000 lb. Axle)</b>	
Cone/Cup ; Outer .....		45282-45220
Cone/Cup ; Inner .....		HD202
<b>1988-1980</b>	<b>(9,000 lb. Axle B6P042, C6D042,C7D064)</b>	
Cone/Cup ; Outer .....		26878-26820
Cone/Cup ; Inner .....		39581-39520
Seal ; Inner .....		370018A <sup>21</sup>

## REAR WHEEL

<b>1998</b>	<b>(Dana/Spicer S150S) (W6R042)</b>	
Cone/Cup ; Outer .....		3982-3920
Cone/Cup ; Inner .....		33287-33462
Seal ; Inner .....		370008A <sup>21</sup>
<b>1996-1991</b>	<b>(Eaton 19050 Axle) (B7T042,P6S042)</b>	
Cone/Cup ; Outer .....		HD210
Cone/Cup ; Inner .....		HD209
Seal ; Inner .....		370024A <sup>21</sup>

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7) (cont.)</b>					

<b>REAR WHEEL(cont)</b>	
<b>1996-1990 (Eaton 19050 Axle) (C6H042,C7H042)</b>	
Cone/Cup ; Outer .....	HD210
Cone/Cup ; Inner .....	HD209
Seal ; Inner .....	370023A <sup>21</sup>
<b>1996-1990 (Eaton 19055 Axle) (C6H042,C7H042)</b>	
Cone/Cup ; Outer .....	HD210
Cone/Cup ; Inner .....	HD209
Seal ; Inner .....	370023A <sup>21</sup>
<b>1996-1990 (Eaton 21065 Axle) (B7T042,C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD206
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370003A <sup>21</sup>
<b>1996-1990 (Eaton 22065 Axle) (B7T042,C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD206
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370003A <sup>21</sup>
<b>1996-1990 (Eaton 23070 Axle) (B7T042,C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD206
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370003A <sup>21</sup>
<b>1996-1990 (Eaton 23085 Axle) (B7T042,C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD206
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370003A <sup>21</sup>
<b>1996-1990 (Eaton 23105 Axle) (B7T042,C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD209
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370023A <sup>21</sup>
<b>1996-1990 (Eaton 26085 Axle) (B7T042,C6H042, C7H042)</b>	
Cone/Cup ; Outer .....	HD206
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370003A <sup>21</sup>
<b>1996-1990 (Eaton DS341, DT341, DS402Axle)</b>	
Cone/Cup ; Outer .....	HD209
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370023A <sup>21</sup>
<b>1996-1990 (Rockwell 23160 Axle)</b>	
Cone/Cup ; Outer .....	HD206
Cone/Cup ; Inner .....	HD203
Seal ; Inner .....	370003A <sup>21</sup>
<b>1996-1990 (Rockwell SL100P, SQ100P Axle)</b>	
Cone/Cup ; Outer .....	HD209
Cone/Cup ; Inner .....	370023A <sup>21</sup>
Seal ; Inner .....	

<b>REAR WHEEL(cont)</b>	
<b>1996-1990 (W6R042)</b>	
Cone/Cup ; Inner .....	32215
Seal ; Inner .....	710085
Seal ; Outer .....	710086
<b>1996-1988 (Eaton 15040 Axle)</b>	
Cone/Cup ; Outer .....	3982-3920
Cone/Cup ; Inner .....	33287-33462
Seal ; Inner .....	370008A <sup>21</sup>
<b>1994-1988 W5S042</b>	
Cone/Cup ; Inner .....	32215
Seal ; Inner .....	710085
Seal ; Outer .....	710086
<b>1994-1987 (W7R042M)</b>	
Cone/Cup ; Outer .....	32215
Cone/Cup ; Inner .....	32216
<b>1994-1987 (W7R042T)</b>	
Seal ; Inner .....	710089
Seal ; Outer .....	710090
<b>1993-1982 (13,500 lb. H135 Axle)</b>	
Cone/Cup ; Outer .....	3984-3920
Cone/Cup ; Inner .....	370046A <sup>21</sup>
Seal ; Inner .....	
<b>1993-1982 (15,000 lb. H150, T150 Axle)</b>	
Cone/Cup ; Outer .....	3982-3925
Cone/Cup ; Inner .....	33287-33472
Seal ; Inner .....	370009A <sup>21</sup>
<b>1992-1982 (17,500 lb. H175, T175 Axle)</b>	
Cone/Cup ; Outer .....	HD210
Cone/Cup ; Inner .....	495AX-493
Seal ; Inner .....	370009A <sup>21</sup>
<b>1992-1980 (19,000 lb. Eaton 17121, 17221Axle)</b>	
Cone/Cup ; Outer .....	HD210
Cone/Cup ; Inner .....	HD209
Seal ; Inner .....	370023A <sup>21</sup>
<b>1990-1988 (Eaton 19050 Axle)</b>	
Cone/Cup ; Outer .....	HD210
Cone/Cup ; Inner .....	HD209
Seal ; Inner .....	370023A <sup>21</sup>
<b>1987 (Eaton 15040 Axle)</b>	
Cone/Cup ; Outer .....	3982-3920
Cone/Cup ; Inner .....	33287-33462
Seal ; Inner .....	370008A <sup>21</sup>
<b>1987-1986 (Eaton 15101 Axle)</b>	
Cone/Cup ; Outer .....	3982-3920
Cone/Cup ; Inner .....	33287-33462
Seal ; Inner .....	370008A <sup>21</sup>
<b>1987-1982 (11,000 lb. H110 Axle)</b>	
Cone/Cup ; Outer .....	3984-3920
Cone/Cup ; Inner .....	370046A <sup>21</sup>
Seal ; Inner .....	

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7) (cont.)</b>					

## REAR WHEEL(cont)

<b>1981-1980 (11,000 lb. H110 Axle)</b>	
Cone/Cup ; Outer .....	387-382
Cone/Cup ; Inner .....	395CS-394CS
Seal ; Inner .....	6358
<b>1981-1980 (13,500 lb. H135 Axle)</b>	
Cone/Cup ; Outer .....	387-382
Cone/Cup ; Inner .....	395CS-394CS
Seal ; Inner .....	2055
<b>1981-1980 (15,000 lb. H150 Axle) (15"x4"Drum Brks.)</b>	
Cone/Cup ; Outer .....	485497
Cone/Cup ; Inner .....	
Seal ; Inner .....	
<b>1981-1980 (15,000 lb. T150 Axle) (15"x5"Drum Brks.)</b>	
Cone/Cup ; Outer .....	3982-3925
Cone/Cup ; Inner .....	33287-33472
Seal ; Inner .....	9128S
<b>1981-1980 (17,000 lb. T170 Axle)</b>	
Cone/Cup ; Outer .....	HD210
Cone/Cup ; Inner .....	495AX-493
Seal ; Inner .....	9128S

## AXLE

### Differential

<b>1998 (Eaton DS341 Axle)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	
<b>1998 (Eaton DT341, DS402, DT402Axles)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	
<b>1996-1990 (Eaton DS341 Axle)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	
<b>1996-1990 (Eaton DT341, DS402, DT402Axles)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	

## SINGLE REAR AXLE

### Differential

<b>1996-1988 (Eaton 15040T Axle)</b>	
Cone/Cup ; LH .....	498-493
Cone/Cup ; RH .....	33275-33472
<b>1996-1988 (Eaton 26085P, 26085Taxle) (130537 case)</b>	
Cone/Cup ; LH .....	68462-68712
Cone/Cup ; RH .....	42346-42584
<b>1996-1988 (Eaton 26085P, 26085Taxle) (27950 case)</b>	
Cone/Cup ; LH .....	42346-42584
Cone/Cup ; RH .....	
<b>1996-1988 (Isuzu R077 Axle)</b>	
Cone/Cup .....	30214
<b>1996-1987 (Eaton 15040S Axle)</b>	
Cone/Cup ; LH .....	3994-3920
Cone/Cup ; RH .....	
<b>1996-1987 (Eaton 19050S Axle)</b>	
Cone/Cup ; LH .....	3994-3920
Cone/Cup ; RH .....	

## SINGLE REAR AXLE(cont)

### Differential(cont)

<b>1996-1987 (Eaton 19050T, 19055D, 19055S,19055T axle)</b>	
Cone/Cup ; LH .....	42381-42584
Cone/Cup ; RH .....	495A-493
<b>1996-1983 (Eaton 21065T Axle)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	
<b>1996-1983 (Eaton 23070P, 23070T Axles)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	
<b>1996-1980 (Eaton 17200, 17220,17221,17800, 17801,18221, 7800 Axles)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	
<b>1995-1988 (Isuzu R065 Axle)</b>	
Cone/Cup .....	3984-3920
<b>1994-1987 (Isuzu R094 Axle)</b>	
Cone/Cup .....	32216
<b>1994-1983 (Dana/Spicer M185T, M190S,M190T, M220T Axles)</b>	
Cone/Cup ; LH .....	JM822049-JM822010
Cone/Cup ; RH .....	JM716649-JM716610
<b>1991-1988 (Eaton 17401 Axle)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	3994-3920
<b>1991-1980 (Eaton 16121 Axle)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	3994-3920
<b>1988-1982 (T175 Axle)</b>	
Cone/Cup ; LH .....	42381-42584
Cone/Cup ; RH .....	495AX-493
<b>1988-1980 (Eaton 17101, 17121, 18121,22121 Axles)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	
<b>1988-1980 (Eaton 23221 Axle)</b>	
Cone/Cup ; LH .....	42346-42584
Cone/Cup ; RH .....	
<b>1987 (Eaton 15040T Axle)</b>	
Cone/Cup ; LH .....	3994-3920
Cone/Cup ; RH .....	33275-33472
<b>1987-1986 (Eaton 15101 Axle)</b>	
Cone/Cup ; LH .....	3994-3920
Cone/Cup ; RH .....	33275-33472
<b>1987-1984 (Dana/Spicer 70 H/D Axle)</b>	
Cone/Cup .....	469-453X
<b>1987-1983 (Dana/Spicer G190S axle)</b>	
Cone/Cup ; LH .....	42381-42584
Cone/Cup ; RH .....	
<b>1986 (T150 Axle)</b>	
Cone/Cup ; LH .....	498-493
Cone/Cup ; RH .....	33275-33472
<b>1986-1983 (H135 Axle)</b>	
Cone/Cup .....	3994-JM511910

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7) (cont.)</b>					

<b>SINGLE REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
<b>1986-1980 (H150 Axle)</b>		
Cup/Cone .....		KR12051Z
<b>1986-1980 (H170 Axle)</b>		
Cup/Cone .....		KR12051Z
<b>1982-1980 (H110 Axle)</b>		
Cone/Cup .....		28990-28919
<b>1982-1980 (H135 Axle)</b>		
Cone/Cup .....		28985-28921
<b>1982-1980 (T150 axle) (late 1965 on)</b>		
Cone/Cup ; LH .....		42381-42584
Cone/Cup ; RH .....		33275-33472
<b>1981-1980 (Eaton 18121 Axle)</b>		
Cone/Cup ; LH .....		HD216
Cone/Cup ; RH .....		
<b>1980 (T170 axle)</b>		
Cone/Cup ; LH .....		42381-42584
Cone/Cup ; RH .....		33287-33472
<b>Pinion</b>		
<b>1998-1989 (Eaton 21065S Axle)</b>		
Cone/Cup ; Outer .....		55200C-55437
Cone/Cup ; Inner .....		78215C-78551
Seal ; Outer .....		9773
Repair Sleeve; Outer .....		99262
Cyl. Bearing .....		
<b>1998-1988 (Rockwell 23160 Axle)</b>		
Cone/Cup ; Outer .....		HM813843-HM813810
Seal ; Outer .....		
<b>1998-1987 (Eaton 19050T, 19055D, 19055S,19055T Axle) (2.375" Pinion Shaft)</b>		
Cone/Cup ; Outer .....		55175C-55437
Cone/Cup ; Inner .....		55175C-55437
Seal ; Outer .....		MUS1307UM
Cyl. Bearing .....		
<b>1998-1987 (Eaton 19050T, 19055D, 19055S,19055T) (2.625" pinion shaft)</b>		
Cone/Cup ; Outer .....		55175C-55437
Cone/Cup ; Inner .....		55175C-55437
Seal ; Outer .....		MUS1307UM
Cyl. Bearing .....		
<b>1998-1987 (Eaton 23070P, 23070T Axles)</b>		
Cone/Cup ; Outer .....		72212C-72487
Cone/Cup ; Inner .....		78215C-78551
Seal ; Outer .....		712937
Cyl. Bearing .....		
<b>1998-1987 (Eaton 23070S Axle)</b>		
Cone/Cup ; Outer .....		72212C-72487
Cone/Cup ; Inner .....		712937
Seal ; Outer .....		
Cyl. Bearing .....		

<b>SINGLE REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
<b>1998-1987 (Eaton 23105S axle)</b>		
Cone/Cup ; Outer .....		72212C-72487
Cone/Cup ; Inner .....		712937
Seal ; Outer .....		
Cyl. Bearing .....		
<b>1998-1985 (Eaton 21065T Axle)</b>		
Cone/Cup ; Outer .....		55200C-55437
Cone/Cup ; Inner .....		72200C-72487
Seal ; Outer .....		9773
Repair Sleeve; Outer .....		99262
Cyl. Bearing .....		MUS1307UM
<b>1998-1984 (Eaton 23221, 23421, 26085P,26085T axle)</b>		
Cone/Cup ; Outer .....		72212C-72487
Cone/Cup ; Inner .....		78215C-78551
Seal ; Outer .....		712937
Cyl. Bearing .....		
<b>1996-1990 (Eaton 15040T Axle)</b>		
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing .....		MU1305TDM
Seal Kit ; Outer .....		722250
<b>1996-1988 (Eaton 19050S Axle)</b>		
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		72200C-72487
Seal ; Outer .....		9773
Repair Sleeve; Outer .....		99262
Cyl. Bearing .....		
<b>1996-1987 (Eaton 15040S Axle)</b>		
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		55175C-55437
Seal ; Outer .....		9773
Repair Sleeve; Outer .....		99262
Cyl. Bearing .....		MUB1305UDM
<b>1994-1987 (Dana/Spicer M220T axle)</b>		
Cone/Cup ; Outer .....		55200C-55437
Cone/Cup ; Inner .....		72225C-72487
Seal ; Outer .....		477163N
Cyl. Bearing .....		
<b>1991-1988 (Eaton 17401 axle) (2.625" pinionshaft)</b>		
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		HM903249-HM903210
Seal ; Outer .....		712625
Cyl. Bearing .....		MUS1307UM
<b>1991-1980 (Eaton 16121, 16221,16802) (2.375" pinio shaft)</b>		
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		HM903249-HM903210
Seal ; Outer .....		712375
Cyl. Bearing .....		MUS1307UM

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7) (cont.)</b>					

## **SINGLE REAR AXLE(cont)**

### **Pinion(cont)**

<b>1991-1980</b>	<b>(Eaton 16121, 16221,16802) (2.625" pinio shaft)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210	
Cone/Cup ; Inner .....	HM903249-HM903210	
Seal ; Outer .....	712625	
Cyl. Bearing .....	MUS1307UM	
<b>1991-1980</b>	<b>(Eaton 17401 axle) (2.375" pinionshaft)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210	
Cone/Cup ; Inner .....	HM903249-HM903210	
Seal ; Outer .....	712375	
Cyl. Bearing .....	MUS1307UM	
<b>1988</b>	<b>(Eaton 21421 axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	55200C-55437	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1988-1987</b>	<b>(Eaton 21065S, 22065S axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	78215C-78551	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....		
<b>1988-1986</b>	<b>(Eaton 17421 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	78215C-78551	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1988-1985</b>	<b>(Eaton 22065T axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	72200C-72487	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1988-1985</b>	<b>(Eaton 22221 axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	72200C-72487	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1988-1982</b>	<b>(T175 Axle)</b>	
Cone/Cup ; Outer .....	55175C-55437	
Cone/Cup ; Inner .....	55175C-55437	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	

## **SINGLE REAR AXLE(cont)**

### **Pinion(cont)**

<b>1988-1980</b>	<b>(Eaton 17101, 17121, 17201,17221, 18121, 18221 axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	55200C-55437	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1987-1986</b>	<b>(Eaton 15101 Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	MU1305TDM	
<b>1987-1984</b>	<b>(Dana/Spicer 70 H/D Axle)</b>	
Cone/Cup ; Outer .....	HM88542-HM88510	
Cone/Cup ; Inner .....	HM807040-HM807010	
Seal ; Outer .....	9316	
Repair Sleeve; Outer .....	99187	
<b>1987-1984</b>	<b>(T150 Axle)</b>	
Cone/Cup ; Outer .....	HM903249-HM903210	
Cone/Cup ; Inner .....	HM903249-HM903210	
Cyl. Bearing .....	MU1305TDM	
Seal Kit ; Outer .....	722250	
<b>1986-1985</b>	<b>(Eaton 21121 axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	55200C-55437	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1986-1985</b>	<b>(Eaton 22121 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	55200C-55437	
Seal ; Outer .....	9773	
Repair Sleeve; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1986-1984</b>	<b>(Eaton 23121 Axle)</b>	
Cone/Cup ; Outer .....	72212C-72487	
Cone/Cup ; Inner .....	72212C-72487	
Seal ; Outer .....	712937	
Cyl. Bearing .....		
<b>1986-1983</b>	<b>(H110 Axle)</b>	
Seal ; Outer .....	475080N	
Repair Sleeve; Outer .....	99210	
Ball Bearing ; Outer .....	MU1306TDM	
Cyl. Bearing .....	MU1305TDM	
Cyl. Bearing ; Inner .....		
<b>1986-1983</b>	<b>(H135 Axle)</b>	
Cone/Cup ; Outer .....	HM803146-HM803110	
Cone/Cup ; Inner .....	475080N	
Seal ; Outer .....	99210	
Repair Sleeve; Outer .....	MU1305TDM	
Cyl. Bearing .....		
<b>1986-1980</b>	<b>(H150 Axle)</b>	
Seal ; Outer .....	411330N	
Cyl. Bearing .....	MR5206EL	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7) (cont.)</b>					

## SINGLE REAR AXLE(cont)

### Pinion(cont)

<b>1984-1980 (Eaton 22121 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	72200C-72487
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1984-1980 (Eaton 22221 axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	72200C-72487
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1983-1980 (Eaton 23121, 23221 Axles)</b>	
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	78215C-78551
Seal ; Outer .....	712937
Cyl. Bearing .....	
<b>1983-1980 (T150 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	712598
Seal ; Outer .....	M5305TV
Cyl. Bearing .....	
<b>1982-1980 (H110 Axle)</b>	
Seal ; Outer .....	411330N
Ball Bearing ; Outer .....	MU1306TDM
Cyl. Bearing .....	
<b>1982-1980 (H135 Axle)</b>	
Seal ; Outer .....	411330N
Cyl. Bearing .....	MR5206EL
<b>1982-1980 (Rockwell H172 Axle)</b>	
Cone/Cup ; Outer .....	HM804846-HM804810
Cone/Cup ; Inner .....	55200C-55437
Seal ; Outer .....	415082N
Cyl. Bearing .....	RU1570UM
<b>1981-1980 (Eaton 16244 axle) (2.375 pinionshaft)</b>	
Cone/Cup ; Outer .....	55175C-55437
Cone/Cup ; Inner .....	55175C-55437
Seal ; Outer .....	MUS1307UM
Cyl. Bearing .....	
<b>1981-1980 (Eaton 16244 axle) (2.625" pinionshaft)</b>	
Cone/Cup ; Outer .....	55175C-55437
Cone/Cup ; Inner .....	55175C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1981-1980 (T185 Axle)</b>	
Cone/Cup ; Outer .....	475009N
Cone/Cup ; Inner .....	
Seal ; Outer .....	
<b>1980 (H170 Axle)</b>	
Seal ; Outer .....	411330N
Cyl. Bearing .....	

## SINGLE REAR AXLE(cont)

### Pinion(cont)

<b>1980 (H175 axle)</b>	
Cone/Cup ; Outer .....	HM804846-HM804810
Cone/Cup ; Inner .....	55200C-55437
Seal ; Outer .....	415082
<b>1980 (T170 axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	712598
Seal ; Outer .....	M5305TV
Cyl. Bearing .....	
<b>Crossshaft</b>	
<b>1981-1980 (T185 Axle)</b>	
Cone/Cup ; LH .....	HM807040-HM807010
Cone/Cup ; RH .....	HM807046-HM807010

## TANDEM REAR AXLE - FRONTMOST

<b>1998-1990 (Rockwell SL100P, SQ100PAxles)</b>	
Cone/Cup ; LH .....	JM716649-JM716610
Cone/Cup ; RH .....	JM716649-JM716610
<b>1980 (Eaton 34DS Axle) (ConicalCenter Section)</b>	
Cone/Cup ; LH .....	HD216
Cone/Cup ; RH .....	
<b>1980 (Eaton 34DS Axle) (Ribbed CenterSection)</b>	
Cone/Cup ; LH .....	56425-56650
Cone/Cup ; RH .....	
<b>1980 (Rockwell SLHD, SQHDAxle) (1.11 Thru 4.63 R.G.)</b>	
Cone/Cup ; LH .....	496-493
Cone/Cup ; RH .....	
<b>1980 (Rockwell SLHD, SQHDAxles) (4.64 Thru 9.99 R.G.)</b>	
Cone/Cup ; LH .....	496-493
Cone/Cup ; RH .....	496-493

### Pinion

<b>1998-1990 (Rockwell SL100P, SQ100PAxles)</b>	
Cone/Cup ; Outer .....	72212C-72487
Cone/Cup ; Inner .....	72212C-72487
Cyl. Bearing .....	RU1570UM
<b>1996-1990 (Eaton DS341 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437
Cone/Cup ; Inner .....	55200C-55437
Seal ; Outer .....	9773
Repair Sleeve; Outer .....	99262
Cyl. Bearing .....	MUS1307UM
<b>1996-1990 (Eaton DT341, DS402, DT402Axles)</b>	
Cone/Cup ; Outer .....	HM807049-HM807010
Cone/Cup ; Inner .....	72218C-72487
Cyl. Bearing .....	MUS1307UM
<b>1980 (Eaton 34DS, 34DT Axles)</b>	
Cone/Cup ; Outer .....	72200C-72487
Cone/Cup ; Inner .....	72200C-72487
Cyl. Bearing ; Pilot .....	MUS1307UM

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7) (cont.)</b>					

## TANDEM REAR AXLE - FRONTMOST(cont)

### Pinion(cont)

<b>1980</b>	<b>(Rockwell SLHD, SQHDAxles) (1.1875" Pilot Shaft)</b>	
Cone/Cup ; Outer .....	72200C-72487	
Cone/Cup ; Inner .....	72200C-72487	
Seal ; Outer .....	476500N	
Cyl. Bearing ; Pilot .....	MU1306TDM	
<b>1980</b>	<b>(Rockwell SLHD, SQHDAxles) (1.375" Pil Shaft)</b>	
Cone/Cup ; Outer .....	72200C-72487	
Cone/Cup ; Inner .....	72200C-72487	
Seal ; Outer .....	476500N	
Cyl. Bearing ; Pilot .....	RU1570UM	

## TANDEM REAR AXLE - REARMOST AXL

### Differential

<b>1998-1990</b>	<b>(Eaton DS341 Axle)</b>	
Cone/Cup ; LH .....	HD216	
Cone/Cup ; RH .....		
<b>1998-1990</b>	<b>(Eaton DT341, DS402, DT402Axles)</b>	
Cone/Cup ; LH .....	56425-56650	
Cone/Cup ; RH .....		
<b>1998-1990</b>	<b>(Rockwell SL100P, SL100QAxles)</b>	
Cone/Cup ; LH .....	JM716649-JM716610	
Cone/Cup ; RH .....	JM716649-JM716610	
<b>1980</b>	<b>(Eaton 34RT Axle)</b>	
Cone/Cup ; LH .....	56425-56650	
Cone/Cup ; RH .....		
<b>1980</b>	<b>(Rockwell SLHD, SQHDAxle) (1.11 Thru 4.63 R.G.)</b>	
Cone/Cup ; LH .....	496-493	
Cone/Cup ; RH .....		
<b>1980</b>	<b>(Rockwell SLHD, SQHDAxles) (4.64 Thru 9.99 R.G.)</b>	
Cone/Cup ; LH .....	496-493	
Cone/Cup ; RH .....	496-493	

### Pinion

<b>1998-1990</b>	<b>(Eaton DS341 Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	55200C-55437	
Seal ; Outer .....	9773	
Repair Sleeve ; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1998-1990</b>	<b>(Eaton DT341, DS402, DT402Axles)</b>	
Cone/Cup ; Outer .....	HM807049-HM807010	
Cone/Cup ; Inner .....	72218C-72487	
Cyl. Bearing .....	MUS1307UM	

## TANDEM REAR AXLE - REARMOST AXLE(cont)

### Pinion(cont)

<b>1998-1990</b>	<b>(Rockwell SL100P, SL100QAxles)</b>	
Cone/Cup ; Outer .....	72212C-72487	
Cone/Cup ; Inner .....	72212C-72487	
Seal ; Outer .....	3905	
Cyl. Bearing .....	RU1570UM	
<b>1980</b>	<b>(Eaton 34RT Axle)</b>	
Cone/Cup ; Outer .....	55200C-55437	
Cone/Cup ; Inner .....	55200C-55437	
Seal ; Outer .....	9773	
Repair Sleeve ; Outer .....	99262	
Cyl. Bearing .....	MUS1307UM	
<b>1980</b>	<b>(Rockwell SLHD, SQHDAxles) (1.1875" Pilot Shaft)</b>	
Cone/Cup ; Outer .....	72200C-72487	
Cone/Cup ; Inner .....	475009N	
Seal ; Outer .....	MU1306TDM	
Cyl. Bearing ; Pilot .....		
<b>1980</b>	<b>(Rockwell SLHD, SQHDAxles) (1.375" Pil Shaft)</b>	
Cone/Cup ; Outer .....	72200C-72487	
Cone/Cup ; Inner .....	475009N	
Seal ; Outer .....	RU1570UM	
Cyl. Bearing ; Pilot .....		

## DRIVESHAFT SUPPORT

<b>1988-1980</b>	<b>(Spicer 1280 1330) (1.3780" Brg.I.D.)</b>	
Ball Bearing .....	88107	
<b>1988-1980</b>	<b>(Spicer 1310 1330) (1.3780" Brg.I.D.)</b>	
Ball Bearing .....	88107	
<b>1984-1980</b>	<b>(Rockwell 58WB ) (1.7717" Brg.I.D.)</b>	
Ball Bearing .....	88509	
<b>1984-1980</b>	<b>(Spicer 1410 1550) (1.5748" Brg.I.D., 2.5" height)</b>	
Ball Bearing .....	88508	
<b>1984-1980</b>	<b>(Spicer 1550 1650) (1.7717" Brg.I.D.)</b>	
Ball Bearing .....	88509	

## CLUTCH

### Pilot Bearing

<b>1996-1980</b>	<b>8 Cyl 350ci/5.7L, 366ci/6.0L, 427ci/7.0L</b>	
Ball Bearing .....	205FF	
<b>1992-1983</b>	<b>3208 Caterpillar Diesel</b>	
Ball Bearing .....	305DD	
<b>1990-1983</b>	<b>8.2L Detroit Diesel, w/ 2.440" Brg OD</b>	
Ball Bearing .....	305DD	
<b>1990-1980</b>	<b>8.2L Detroit Diesel, w/ 2.047" Brg OD</b>	
Ball Bearing .....	205FF	

### Release Bearing

<b>1994-1990</b>	<b>6 Cyl 6.5L Turbo Diesel</b>	
Bearing Only .....	613009	
<b>1992-1990</b>	<b>w/o 350ci/5.7L and 501ci/8.2L</b>	
Bearing Assembly .....	614024	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>GMC TRUCK- 1-1/2, 2, 2-1/2 TON - 400, 4000, 4500 (Class 4), 500, 5000, 5500 (Class 5), 6000, 6500 (Class 6), 7000, 7500 (Class 7) (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Release Bearing(cont)</b>		
1990	8 Cyl 427ci/7.0L, w/ 12" Dual Disc Clutch (Fuller Trans.)	
	Bearing Only .....	613007
1990	8 Cyl 427ci/7.0L, w/ 12" Dual Disc Clutch (Spicer Trans.)	
	Bearing Assembly .....	614019
1990-1983	8.2L Detroit Diesel, w/ Flat Flywheel	
	Bearing Assembly .....	614065
1990-1983	8.2L Detroit Diesel, w/ Lipe Flywheel	
	Bearing Assembly .....	GE2505C
1990-1980	8 Cyl 350ci/5.7L, w/ 12" Clutch	
	Bearing Assembly .....	614018
1986-1980	6 Cyl 292ci/4.8L, 12" Clutch	
	Bearing Assembly .....	614018
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
1996-1990	403/6.6L (Turbo Diesel)	
	Repair Sleeve .....	99233
	Seal .....	3945
1986-1980	292/4.8L	
	Repair Sleeve .....	99176
	Seal .....	9845
<b>8 Cylinder</b>		
1996-1981	366/6.0L, 427/7.0L	
	Repair Sleeve .....	99233
	Seal .....	3945
1990-1980	500/8.2L (Diesel) 500/8.2L (Turbo Diesel)	
	Seal .....	473476

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1980	636/6.0L, 427/7.0L, 454/7.4L	
	Repair Sleeve .....	99233
	Seal .....	3945
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1996-1990	403/6.6L (Turbo Diesel)	
	Seal Viton .....	2261
<b>8 Cylinder</b>		
1996-1980	366/6.0L, 427/7.0L	
	Seal Viton .....	2261
1990-1980	500/8.2L (Diesel) 500/8.2L (Turbo Diesel)	
	Seal .....	455956H
1990-1980	636/10.4L (Diesel) 636/10.4L (Turbo Diesel)	
	Repair Sleeve .....	99499
	Seal .....	39801

## GRUMMAN- rear drive - Postal Vehicle

<b>FRONT WHEEL</b>		
1995-1987	(2WD)	
	Seal ; Inner .....	4739
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A34
<b>REAR WHEEL</b>		
1994-1987	All	
	Cyl. Bearing .....	513023
	Optional Repair Bearing .....	RP513023 <sup>91</sup>

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HINO TRUCK- FA, FB Series

### FRONT WHEEL

1991-1987	All	
	Cone/Cup ; Outer .....	32207
	Cone/Cup ; Inner .....	32210
	Seal ; Inner .....	

### REAR WHEEL

1991-1987	All	
	Cone/Cup ; Outer .....	28680-28622
	Cone/Cup ; Inner .....	29586-29522
	Seal ; Inner .....	
	Seal ; Outer .....	

### CLUTCH

#### Pilot Bearing

1991-1987	4 Cyl 3.8L Turbo Diesel	
	Ball Bearing .....	203FF

## HINO TRUCK- FD, FE, FF, FG, GC, SF, SG Series

### FRONT WHEEL

1993-1985	FD, FD, GC Ser.	
	Cone/Cup ; Outer .....	32307
	Seal ; Inner .....	

### REAR WHEEL

1993-1985	FE, FF, FG, SF, SG Ser.	
	Cone/Cup ; Inner .....	32215
	Seal ; Inner .....	
1991-1986	FD, GC Ser.	
	Cone/Cup ; Inner .....	32215

### REAR AXLE

#### Differential

1995-1985	(SS17 3 Axle)	
	Cone/Cup .....	JM515649-JM515610

### DRIVESHAFT SUPPORT

1992-1985	(1.77" 45mm Brg. I.D.)	
	Ball Bearing .....	209

### CLUTCH

#### Pilot Bearing

1992-1985	6 Cyl 6.0L, 6.5L, 6.7L, Diesel & Turbo Diesel	
	Ball Bearing .....	204FF

#### Release Bearing

1992-1985	6 Cyl 6.5L, 6.7L, Diesel	
	Bearing Only .....	613016

## HONDA- Accord

### FRONT WHEEL

2006-2003	All	
	Ball Bearing .....	510073
2002-1998	All	
	Ball Bearing .....	510050
1997-1995	(6 Cyl.)	
	Bearing Assm .....	510038
1997-1990	(4 Cyl.)	
	Bearing Assm .....	513098
1989-1988	LXi	
	Ball Bearing .....	513053
	Hub Kit .....	

### FRONT WHEEL(cont)

1989-1986	DX, EXi, LX, S	
	Ball Bearing .....	513053
	Hub Kit .....	518505 <sup>27</sup>
1985-1984	(Exc. Sei)	
	Seal ; Inner .....	1937
	Seal ; Outer .....	710337
	Ball Bearing ; Inner .....	B32

<sup>27</sup> Incl: Spindle, Brg & Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA- Accord (cont.)

### FRONT WHEEL(cont)

<b>1985-1984</b>	<b>Sei</b>	
Seal ; Inner .....		1936
Seal ; Outer .....		710148
Ball Bearing ; Inner .....		513025
<b>1983</b>	<b>(From Ch. # DC099355 ThruDC101604)</b>	
Seal ; Inner .....		1937
Seal ; Outer .....		710337
Ball Bearing ; Inner .....		B32
<b>1983-1981</b>	<b>(Thru Ch. # DC099354 ThruDC101603)</b>	
Seal ; Inner .....		1939
Seal ; Outer .....		1943
Ball Bearing ; Inner .....		B32
Hub Kit .....		518504 <sup>26</sup>
<b>1980</b>	<b>All</b>	
Seal ; Inner .....		1938
Seal ; Outer .....		1943
Ball Bearing ; Inner .....		B36

### REAR WHEEL

<b>2006-2003</b>	<b>All</b>	
Hub Assembly .....		512188
<b>2002-1998</b>	<b>(4 Cyl.) (ABS) (Drum)</b>	
Hub Assembly .....		512178
<b>2002-1998</b>	<b>(4 Cyl.) (Disc)</b>	
Hub Assembly .....		512178
<b>2002-1998</b>	<b>(4 Cyl.) (Non-ABS) (Drum)</b>	
Hub Assembly .....		512176
<b>2002-1998</b>	<b>(6 Cyl.) (Disc)</b>	
Hub Assembly .....		512179
<b>1997-1995</b>	<b>(4 Cyl.) (Disc)</b>	
Hub Assembly .....		512020
<b>1997-1995</b>	<b>(4 Cyl.) (Drum)</b>	
Hub Assembly .....		513080
<b>1997-1995</b>	<b>(6 Cyl.) (Disc)</b>	
Hub Assembly .....		512172
<b>1997-1991</b>	<b>(Wagon) (Drum)</b>	
Hub Assembly .....		512122
<b>1994</b>	<b>(Coupe) (Sedan) (ABS) (Disc)</b>	
Hub Assembly .....		512020
<b>1994</b>	<b>(Wagon) (Disc)</b>	
Hub Assembly .....		512172
<b>1994-1990</b>	<b>(Coupe) (Sedan) (Drum)</b>	
Hub Assembly .....		513080
<b>1993-1992</b>	<b>(Coupe) (Sedan) (Disc)</b>	
Hub Assembly .....		513081
<b>1993-1991</b>	<b>(Wagon) (Disc)</b>	
Hub Assembly .....		512032
<b>1991-1990</b>	<b>(ABS) (Disc)</b>	
Hub Assembly .....		513081
<b>1991-1990</b>	<b>(Non-ABS) (Disc)</b>	
Hub Assembly .....		513080
<b>1989-1986</b>	<b>All</b>	
Hub Assembly .....		513033

### REAR WHEEL(cont)

<b>1985-1982</b>	<b>All</b>	
Seal ; Inner .....		494117
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A2
<b>1981-1980</b>	<b>All</b>	
Seal ; Inner .....		1953
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A2

### CLUTCH

#### Pilot Bearing

<b>1987-1980</b>	<b>All</b>	
Ball Bearing .....		102CC

#### Release Bearing

<b>2002-1990</b>	<b>All</b>	
Bearing Assembly .....		614072
<b>1989-1982</b>	<b>All</b>	
Bearing Assembly .....		614031

### TRANSAXLE

#### Differential

<b>1982-1980</b>	<b>All</b>	
Ball Bearing .....		207

#### Output Shaft

<b>1982-1980</b>	<b>All</b>	
Seal ; RH .....		2007N
Seal ; LH .....		223580

#### Torque Converter

<b>1982-1980</b>	<b>All</b>	
Seal .....		350609

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>2000-1983</b>	<b>All</b>	
Ball Bearing .....		208

#### Torque Converter / Frt Pump

<b>2002-1980</b>	<b>All</b>	
Seal .....		350609

#### Output Shaft

<b>2005-2003</b>	<b>(6 Cyl.)</b>	
Seal ; RH .....		710110
<b>2002-1998</b>	<b>(4 Cyl.)</b>	
Repair Sleeve; RH .....		99157
Seal ; RH .....		224066
Seal Viton ; LH .....		224026
<b>2002-1998</b>	<b>(6 Cyl.)</b>	
Seal ; LH .....		710199
Seal Viton ; RH .....		224026
<b>1997-1995</b>	<b>(6 Cyl.)</b>	
Repair Sleeve; RH .....		99157
Seal ; RH .....		224066
Seal ; LH .....		712551
<b>1997-1990</b>	<b>(4 Cyl.)</b>	
Seal Viton .....		224026

<sup>26</sup> Incl: Spindle, Brg, Nut & 4 Seals

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>HONDA- Accord (cont.)</b>					
<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Output Shaft(cont)</b>			<b>Input Shaft(cont)</b>		
1989-1986	All		1993-1984	All	
Seal ; RH	.....	224045	Seal Viton	.....	222742
Seal ; LH	.....	1146	1983-1980	All	
1985	(F4)		Seal	.....	222540
Repair Sleeve; RH	.....	99139	<b>ALTERNATOR</b>		
Seal ; RH	.....	4901	2000-1980	(Nippondenso)	
Seal ; LH	.....	1146	Ball Bearing ; Rear End	.....	201CC
1985-1984	(AS)		Ball Bearing ; Drive End	.....	203FF
Seal ; RH	.....	224045	1998-1984	Mitsubishi	
Seal ; LH	.....	1146	Ball Bearing ; Rear End	.....	201CC
1983	All		Ball Bearing ; Drive End	.....	303CC
Seal	.....	470074	<b>CAMSHAFT SEAL</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			<b>4 Cylinder</b>		
2005-1980	All		2005-1990	All	
Repair Sleeve	.....	221207	Seal	.....	712008
Seal	.....		1989-1984	All	
<b>Input Shaft</b>			Seal	.....	320595
2002-1998	All		1983-1980	All	
Seal	.....	220918	Repair Sleeve	.....	1990
<b>5-SPEED MANUAL TRANSAXLE</b>			Seal	.....	
<b>Differential</b>			<b>6 Cylinder</b>		
1989-1980	All		2002-1998	3.0L	
Ball Bearing	.....	208	Seal	.....	710451
<b>Output Shaft</b>			1997-1995	2.7L	
2002-1994	All		Seal Viton	.....	713771
Repair Sleeve; RH	.....	99157	<b>CRANKSHAFT FRONT SEAL</b>		
Repair Sleeve; LH	.....	99139	<b>4 Cylinder</b>		
Seal ; RH	.....	3459	2002-1990	All	
Seal ; LH	.....	710315	Seal	.....	224015
1993-1989	All		1989-1984	All	
Repair Sleeve; RH	.....	99157	Seal Viton	.....	710331
Seal ; RH	.....	3459	1983-1980	All	
Seal ; LH	.....	2007N	Repair Sleeve	.....	99139
1988-1986	All		Seal	.....	3771
Repair Sleeve; RH	.....	99157	<b>6 Cylinder</b>		
Seal ; RH	.....	1036	2002-1995	All	
Seal ; LH	.....	239146	Repair Sleeve	.....	99162
1985-1984	All		Seal	.....	1181
Repair Sleeve; RH	.....	99139	<b>CRANKSHAFT REAR SEAL</b>		
Seal ; RH	.....	1147	<b>4 Cylinder</b>		
Seal ; LH	.....	239146	2005-2003	2354cc/2.4L	
1983-1980	All		Seal Viton	.....	228008
Repair Sleeve; RH	.....	99139	2002-1999	All	
Seal ; RH	.....	1147	Seal	.....	228015
Seal ; LH	.....	223580	1998-1984	All	
<b>Selector Shaft Seal/Man. Shaft</b>			Seal	.....	228015
2002-1980	All		1983-1980	All	
Seal	.....	221607	Seal	.....	227410
<b>Input Shaft</b>			<b>6 Cylinder</b>		
2002-1994	All		2002-1995	2.7L, 3.0L	
Seal	.....	222830	Seal Viton	.....	228008

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA- Accord (cont.)

### OIL PUMP

#### 4 Cylinder

1997-1990	All	
Seal Viton .....		712009

## HONDA- Accord Hybrid

### FRONT WHEEL

2006-2005	All	
Ball Bearing .....		510073

## HONDA- CRX

### FRONT WHEEL

1991-1988	All	
Ball Bearing .....		513024
1987-1984	DX, SI	
Ball Bearing .....		513024
1987-1984	HF	
Ball Bearing .....		B35

### REAR WHEEL

1991-1985	All	
Hub Assembly .....		513035
1984	All	
Hub Assembly .....		513034

### CLUTCH

#### Pilot Bearing

1991-1984	All	
Ball Bearing .....		102CC

#### Release Bearing

1991-1988	All	
Bearing Assembly .....		614077

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1985-1984	All	
Ball Bearing .....		208

#### Output Shaft

1985-1984	All	
Seal ; RH .....		2007N
Seal ; LH .....		223580

#### Selector Shaft Seal/Man. Shaft

1985-1984	All	
Repair Sleeve .....		221207
Seal .....		

#### Torque Converter

1985-1984	All	
Seal .....		350609

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

1991-1986	All	
Ball Bearing .....		208

#### Torque Converter / Frt Pump

1991-1986	All	
Seal .....		350609

#### Output Shaft

1991-1986	All	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		1147
Seal ; LH .....		4901

#### Selector Shaft Seal/Man. Shaft

1991-1986	All	
Repair Sleeve .....		221207
Seal .....		

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1991-1988	All	
Ball Bearing ; RH .....		208
Ball Bearing ; LH .....		207

1987-1984	All	
Ball Bearing .....		207

#### Output Shaft

1991-1990	1.6L	
Repair Sleeve; RH .....		99139
Seal ; RH .....		4901
Seal ; LH .....		224025

1991-1988	1.5L	
Repair Sleeve; RH .....		99139
Seal ; RH .....		4901
Seal ; LH .....		2007N

1987-1984	All	
Seal ; RH .....		710314
Seal ; LH .....		223580

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA- CRX (cont.)

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

1991-1984	All	
Repair Sleeve		710243
Seal		

#### Input Shaft

1991-1988	All	
Seal Viton		222742
1987-1984	All	
Repair Sleeve		222220
Seal		

### ALTERNATOR

1991-1984	Mitsubishi	
Ball Bearing ; Rear End		201CC
Ball Bearing ; Drive End		303CC
1987-1984	(Nippondenso)	
Ball Bearing ; Rear End		201CC
Ball Bearing ; Drive End		203FF

### CAMSHAFT SEAL

#### 4 Cylinder

1991-1988	1.6L	
Seal		320595
1991-1984	1.5L	
Seal		320595
1984	1.3L	
Seal		320595

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1991-1988	1.6L	
Seal Viton		1121
Seal		710332
1991-1984	1.5L	
Seal Viton		1121
Seal		710332
1984	1.3L	
Seal Viton		1121
Seal		710332

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1991-1988	1.6L	
Seal		228015
1991-1984	1.5L	
Seal		228015
1984	1.3L	
Seal		228015

## HONDA- Civic, Civic CVCC, Civic Hybrid

### FRONT WHEEL

2005-2004	SI	
Ball Bearing		510050
2005-2001	DX, EX, HX, LX, Hybrid	
Ball Bearing		510030
2000-1992	DX, HX	
Ball Bearing		510015
2000-1992	EX, SI	
Ball Bearing		510030
1991-1984	All	
Ball Bearing		513024
1983-1980	All	
Seal ; Inner		1938
Seal ; Outer		1943
Ball Bearing ; Inner		B36

### REAR WHEEL

2005-2004	SI (ABS)	
Hub Assembly		512259
2005-2001	DX, HX, LX (Non-ABS)	
Hub Assembly		512174
2005-2001	EX, Hybrid (ABS)	
Hub Assembly		512175
2003-2002	SI (ABS)	
Hub Assembly		512258

### REAR WHEEL(cont)

2000-1992	(ABS) (Drum)	
Hub Assembly		513105
2000-1992	(Disc)	
Hub Assembly		513105
2000-1992	(Non-ABS) (Drum)	
Hub Assembly		513035
1991-1988	(Wagon) (4WD)	
Ball Bearing		B35
1991-1988	(Wagon) (FWD)	
Hub Assembly		513033
1991-1985	(FWD)	
Hub Assembly		513035
1987-1984	(Wagon) (4WD)	
Ball Bearing		513032
1984	All	
Hub Assembly		513034
1983-1980	All	
Seal ; Inner		494117
Cup/Cone; Inner		A15
Cup/Cone; Outer		A2

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>HONDA- Civic, Civic CVCC, Civic Hybrid (cont.)</b>					

<b>REAR AXLE</b>		
<b>Differential</b>		
1991-1989	Wagon (4WD)	
Ball Bearing .....		208
Seal .....		710110
1988-1984	Wagon (4WD)	
Ball Bearing .....		208
Seal .....		710197
<b>Pinion</b>		
1991-1984	Wagon (4WD)	
Seal .....		223843
Cone/Cup ; Outer .....		32306
Cone/Cup ; Inner .....		32008

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
2002-1980	All	
Ball Bearing .....		102CC
<b>Release Bearing</b>		
2003	Civic Hybrid	
Bearing Assembly .....		614122
2002-2001	All	
Bearing Assembly .....		614176
2000-1992	All	
Bearing Assembly .....		614122
1991-1989	1.6L FWD	
Bearing Assembly .....		614146
1991-1989	1.6L FWD	
Bearing Assembly .....		614031
1991-1988	1.5L	
Bearing Assembly .....		614146
1983-1980	All	
Ball Bearing .....		01296

<b>TRANSAXLE</b>		
<b>Differential</b>		
1985-1980	All	
Ball Bearing .....		207
<b>Output Shaft</b>		
1985-1984	All	
Repair Sleeve; RH .....		99139
Seal ; RH .....		4901
Seal ; LH .....		223580
1983-1980	All	
Repair Sleeve; RH .....		99139
Seal ; RH .....		223543
Seal ; LH .....		223580
<b>Selector Shaft Seal/Man. Shaft</b>		
1985-1980	All	
Repair Sleeve .....		221207
Seal .....		
<b>Torque Converter</b>		
1985-1980	All	
Seal .....		350609

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2000-1984	All	
Ball Bearing .....		208
<b>Torque Converter / Frt Pump</b>		
2005-1984	All	
Seal .....		350609
<b>Output Shaft</b>		
2002-1996	All	
Repair Sleeve; RH .....		99139
Seal ; RH .....		1147
Seal ; LH .....		710314
1995-1988	All	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		1147
Seal ; LH .....		223543
1987-1986	All	
Repair Sleeve; RH .....		99139
Seal ; RH .....		4901
Seal ; LH .....		1146
<b>Selector Shaft Seal/Man. Shaft</b>		
2005-1984	All	
Repair Sleeve .....		221207
Seal .....		
<b>Input Shaft</b>		
2002-2001	(MYLA)	
Ball Bearing .....		305

<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1987-1980	All	
Ball Bearing .....		207
<b>Output Shaft</b>		
1987-1980	All	
Seal ; RH .....		2007N
Seal ; LH .....		223580
<b>Input Shaft</b>		
1987-1980	All	
Repair Sleeve .....		222220
Seal .....		

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1995-1984	All	
Ball Bearing .....		207
1983	(1st Design)	
Ball Bearing .....		208
1983	(2nd Design)	
Ball Bearing .....		208
1982-1980	All	
Ball Bearing .....		207

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA- Civic, Civic CVCC, Civic Hybrid (cont.)

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Output Shaft

<b>2002-1988</b>	<b>All</b>	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		4901
Seal ; LH .....		710315
<b>1987-1980</b>	<b>All</b>	
Repair Sleeve; RH .....		99139
Seal ; RH .....		1147
Seal ; LH .....		223580

#### Selector Shaft Seal/Man. Shaft

<b>2002-1988</b>	<b>All</b>	
Seal .....		221607

#### Input Shaft

<b>2002-1988</b>	<b>All</b>	
Seal Viton .....		222742
<b>1987-1980</b>	<b>All</b>	
Repair Sleeve .....		222220
Seal .....		

### ALTERNATOR

<b>1993-1984</b>	<b>Mitsubishi</b>	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
<b>1987-1980</b>	<b>(Nippondenso)</b>	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF

### CAMSHAFT SEAL

#### 4 Cylinder

<b>2005-2001</b>	<b>1.7L</b>	
Seal .....		320595
<b>2000-1999</b>	<b>1595cc/1.6L (DOHC)</b>	
Repair Sleeve .....		99112
Seal .....		1989
<b>2000-1988</b>	<b>1.6L</b>	
Seal .....		320595

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

<b>2005-2003</b>	<b>1.3L</b>	
Seal .....		473677
<b>2005-2001</b>	<b>1.7L</b>	
Seal .....		320595
<b>2000-1980</b>	<b>All</b>	
Seal Viton .....		1121
Seal .....		710332
<b>1983-1980</b>	<b>1.3L</b>	
Seal .....		710329
<b>1983-1980</b>	<b>1.5 L</b>	
Repair Sleeve .....		99189
Seal .....		224840

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

<b>2005-2003</b>	<b>1.3L, 2.0L</b>	
Seal Viton .....		228008
<b>2005-2001</b>	<b>1.7L</b>	
Seal .....		228009
<b>2000-1988</b>	<b>1.6L</b>	
Seal .....		228015
<b>1983-1980</b>	<b>All</b>	
Seal .....		227410

## HONDA- Del Sol

### FRONT WHEEL

<b>1997-1994</b>	<b>(ABS)</b>	
Ball Bearing .....		510030
<b>1997-1993</b>	<b>(Non-ABS)</b>	
Ball Bearing .....		510015

### REAR WHEEL

<b>1997-1995</b>	<b>(ABS) (Disc)</b>	
Hub Assembly .....		513105
<b>1997-1995</b>	<b>(Non-ABS) (Disc)</b>	
Hub Assembly .....		513105
<b>1997-1993</b>	<b>(Drum)</b>	
Hub Assembly .....		513035

### REAR WHEEL(cont)

<b>1994-1993</b>	<b>(Disc)</b>	
Hub Assembly .....		513105

### CLUTCH

#### Pilot Bearing

<b>1997-1993</b>	<b>All</b>	
Ball Bearing .....		102CC

#### Release Bearing

<b>1997-1993</b>	<b>All</b>	
Bearing Assembly .....		614122

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA- Del Sol (cont.)

<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>ALTERNATOR</b>		
<b>Differential</b>			1997-1993 Mitsubishi		
1997-1993 All			Ball Bearing ; Drive End ..... 303CC		
Ball Bearing .....		208	<b>CAMSHAFT SEAL</b>		
<b>Torque Converter / Frt Pump</b>			<b>4 Cylinder</b>		
1997-1993 All			1997-1993 All		
Seal .....		350609	Seal .....		
<b>Output Shaft</b>			320595		
1997-1993 All			<b>CRANKSHAFT FRONT SEAL</b>		
Repair Sleeve; RH .....		99139	<b>4 Cylinder</b>		
Repair Sleeve; LH .....		99139	1997-1993 All		
Seal ; RH .....		1147	Seal Viton .....		
Seal ; LH .....		223543	Seal .....		
<b>Selector Shaft Seal/Man. Shaft</b>			1121		
1997-1993 All			Seal .....		
Repair Sleeve .....		221207	710332		
Seal .....			<b>CRANKSHAFT REAR SEAL</b>		
<b>5-SPEED MANUAL TRANSAXLE</b>			<b>4 Cylinder</b>		
<b>Differential</b>			1997-1993 All		
1997-1993 All			Seal .....		
Ball Bearing .....		207	228015		
<b>Output Shaft</b>					
1997-1993 (V TEC)					
Seal ; RH .....		224045			
Seal ; LH .....		2007N			
1997-1993 S, SI					
Repair Sleeve; RH .....		99139			
Seal ; RH .....		4901			
Seal ; LH .....		2007N			
<b>Selector Shaft Seal/Man. Shaft</b>					
1997-1993 All					
Seal .....		221607			
<b>Input Shaft</b>					
1997-1993 All					
Seal Viton .....		222742			

## HONDA- Insight

<b>REAR WHEEL</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
2006-2000 All			<b>Selector Shaft Seal/Man. Shaft</b>		
Hub Assembly .....		512264	2004-2000 All		
<b>CLUTCH</b>			Seal .....		
<b>Release Bearing</b>			221820		
2003-2000 All			<b>CRANKSHAFT FRONT SEAL</b>		
Bearing Assembly .....		614122	<b>3 Cylinder</b>		
<b>5-SPEED MANUAL TRANSAXLE</b>			2005-2000 All		
<b>Differential</b>			Seal .....		
2004-2000 All			473677		
Ball Bearing .....		207S			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>HONDA- Prelude</b>					
<b>FRONT WHEEL</b>			<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
2001-1997	All		<b>Differential</b>		
	Ball Bearing .....	510039	1982-1980	All	
1996-1992	All			Ball Bearing .....	207
	Ball Bearing .....	513052	<b>Output Shaft</b>		
1991-1988	All		1982-1980	All	
	Ball Bearing .....	513241		Seal ; RH .....	2007N
1987-1985	(Exc. Si)			Seal ; LH .....	223580
	Seal ; Inner .....	1937	<b>Selector Shaft Seal/Man. Shaft</b>		
	Seal ; Outer .....	710337	1982-1980	All	
	Ball Bearing ; Inner .....	B32		Repair Sleeve .....	221207
1987-1985	SI			Seal .....	
	Seal ; Inner .....	1936	<b>Torque Converter</b>		
	Seal ; Outer .....	710148	1982-1980	All	
	Ball Bearing ; Inner .....	513025		Seal .....	350609
1984-1983	All		<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
	Seal ; Inner .....	1937	<b>Differential</b>		
	Seal ; Outer .....	710337	2001-1997	All	
	Ball Bearing ; Inner .....	B32		Cone/Cup ; LH .....	30208
1982-1981	All		1991-1988	All	
	Seal ; Inner .....	1938		Cone/Cup ; LH .....	30208
	Seal ; Outer .....	1943		Cone/Cup ; RH .....	32010X
	Ball Bearing ; Inner .....	B32	1987-1983	All	
1980	All			Ball Bearing .....	208
	Seal ; Inner .....	1938	<b>Torque Converter / Frt Pump</b>		
	Seal ; Outer .....	1943	2001-1983	All	
	Ball Bearing ; Inner .....	B36		Seal .....	350609
<b>REAR WHEEL</b>			<b>Output Shaft</b>		
2001-1997	All		2001-1992	All	
	Hub Assembly .....	512144		Repair Sleeve; RH .....	99157
1996-1992	(ABS)			Seal ; RH .....	224066
	Hub Assembly .....	512022		Seal ; LH .....	224025
1991-1988	All		1991-1990	All	
	Ball Bearing .....	513182		Repair Sleeve; RH .....	99157
1987-1984	All			Seal ; RH .....	224066
	Seal ; Inner .....	710097		Seal ; LH .....	2007N
	Cup/Cone; Inner .....	A15	1989-1988	All	
	Cup/Cone; Outer .....	A2		Repair Sleeve; RH .....	99157
1983-1980	All			Seal ; RH .....	224066
	Seal ; Inner .....	494117		Seal ; LH .....	239146
	Cup/Cone; Inner .....	A15	1987-1983	All	
	Cup/Cone; Outer .....	A2		Repair Sleeve; RH .....	99139
<b>CLUTCH</b>				Repair Sleeve; LH .....	99139
<b>Pilot Bearing</b>				Seal ; RH .....	1147
1987-1980	All			Seal ; LH .....	4901
	Ball Bearing .....	102CC	<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Release Bearing</b>			2001-1983	All	
2001-1990	All			Repair Sleeve .....	221207
	Bearing Assembly .....	614072		Seal .....	
1989-1988	All		<b>5-SPEED MANUAL TRANSAXLE</b>		
	Bearing Assembly .....	614068	<b>Differential</b>		
1987-1983	All		1989-1988	All	
	Bearing Assembly .....	614031		Cone/Cup ; LH .....	30208

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA- Prelude (cont.)

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Differential(cont)

<b>1987-1985</b> All	
Ball Bearing .....	208
<b>1982-1980</b> All	
Ball Bearing .....	208

#### Output Shaft

<b>2001-1997</b> (SH)	
Repair Sleeve; RH .....	99157
Seal ; RH .....	3459
Seal ; LH .....	224460
<b>2001-1997</b> Base	
Repair Sleeve; RH .....	99157
Seal ; RH .....	3459
Seal ; LH .....	2007N
<b>1996-1990</b> All	
Repair Sleeve; RH .....	99157
Seal ; RH .....	3459
Seal ; LH .....	2007N
<b>1989-1988</b> All	
Seal ; RH .....	224063
Seal ; LH .....	239146
<b>1987-1985</b> SI	
Repair Sleeve; RH .....	99157
Seal ; RH .....	1036
Seal ; LH .....	239146
<b>1987-1984</b> DX	
Repair Sleeve; RH .....	99139
Seal ; RH .....	1147
Seal ; LH .....	239146
<b>1983-1980</b> All	
Repair Sleeve; RH .....	99139
Repair Sleeve; LH .....	99139
Seal ; RH .....	4901
Seal ; LH .....	1147

#### Selector Shaft Seal/Man. Shaft

<b>1991-1980</b> All	
Seal .....	221607

#### Input Shaft

<b>2001-1997</b> (SH)	
Seal .....	224460
<b>2001-1997</b> Base	
Seal .....	2007N
<b>1996-1988</b> All	
Seal .....	222830
<b>1987-1984</b> All	
Seal Viton .....	222742
<b>1983-1980</b> All	
Seal .....	222540

### ALTERNATOR

<b>1989-1988</b> Mitsubishi	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	303CC

### ALTERNATOR(cont)

<b>1987-1980</b> (Nippondenso)	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	203FF

### CAMSHAFT SEAL

#### 4 Cylinder

<b>2001-1993</b> 2.2L VTEC	
Seal .....	712008
<b>1996-1992</b> 2.2L (SOHC)	
Seal .....	712008
<b>1996-1992</b> 2.3L (DOHC)	
Seal .....	712008
<b>1987-1985</b> 2.0L (SOHC) (DOHC)	
Seal .....	320595
<b>1987-1983</b> 1.8L	
Seal .....	320595
<b>1982-1980</b> 1.8L	
Seal .....	222743

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

<b>2001-2000</b> 2.2L	
Seal .....	224015
<b>1996-1992</b> All	
Seal .....	224015
<b>1991-1990</b> 2.1L	
Seal Viton .....	1120
<b>1991-1988</b> 2.0L (SOHC) (DOHC)	
Seal Viton .....	1120
<b>1987-1985</b> 2.0L (SOHC)	
Seal Viton .....	710331
<b>1987-1983</b> 1.8L	
Seal Viton .....	710331
<b>1982-1980</b> 1.8L	
Repair Sleeve .....	99139
Seal .....	3771

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

<b>2001-1993</b> 2.2L VTEC	
Seal .....	228015
<b>1996-1992</b> 2.2L (SOHC)	
Seal .....	228015
<b>1996-1992</b> 2.3L (DOHC)	
Seal .....	228015
<b>1991-1990</b> 2.1L (DOHC)	
Seal .....	228015
<b>1990-1985</b> 2.0L (SOHC) (DOHC)	
Seal .....	228015
<b>1987-1983</b> 1.8L	
Seal .....	228015
<b>1982-1980</b> 1.8L	
Seal .....	227410

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA- S2000

<b>FRONT WHEEL</b>			<b>CRANKSHAFT FRONT SEAL</b>		
2006-2000	All		<b>4 Cylinder</b>		
	Ball Bearing .....	510039	2003-2000	2.0L, 2.2L	
<b>REAR WHEEL</b>				Seal .....	710159
2006-2000	All		<b>CRANKSHAFT REAR SEAL</b>		
	Ball Bearing .....	510039	<b>4 Cylinder</b>		
<b>6-SPEED MANUAL TRANSMISSION</b>			2005-2000	2.0L, 2.2L	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal Viton .....	228008
2002-2000	All				
	Repair Sleeve .....	710243			
	Seal .....				
<b>Front Input Shaft</b>					
2002-2000	All				
	Seal .....	710157			

## HONDA TRUCK- MINIVAN, SUV - CR-V

<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
2006	All		<b>Torque Converter / Frt Pump</b>		
	Ball Bearing .....	510074	2001-1997	All	
2005-2002	EX			Seal .....	350609
	Ball Bearing .....	510074	<b>Output Shaft</b>		
2005-2002	LX		2001-1997	All	
	Ball Bearing .....	510039		Repair Sleeve; RH .....	99157
2001-1997	All			Seal ; RH .....	1036
	Ball Bearing .....	510039		Seal ; LH .....	2007N
<b>REAR WHEEL</b>			<b>Selector Shaft Seal/Man. Shaft</b>		
2006-2002	EX		2005-2002	All	
	Ball Bearing .....	511029		Repair Sleeve .....	221207
2005-2002	LX			Seal .....	
	Ball Bearing .....	510015	2001-1997	All	
2001-1997	All			Repair Sleeve .....	8792S
	Hub Assembly; RH .....	512240		Seal .....	
<b>CLUTCH</b>			<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Pilot Bearing</b>			<b>Output Shaft</b>		
2001-1997	All		2001-1998	All	
	Ball Bearing .....	102CC		Repair Sleeve; RH .....	99157
<b>Release Bearing</b>				Seal ; RH .....	3459
2001-1997	All			Seal ; LH .....	2007N
	Bearing Assembly .....	614072	<b>Input Shaft</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			2005-2002	All	
<b>Differential</b>				Seal .....	710157
2001-1998	(2WD)		2001-1998	All	
	Ball Bearing .....	208		Seal .....	222830
2001-1997	(4WD)		<b>CAMSHAFT SEAL</b>		
	Ball Bearing .....	208	<b>4 Cylinder</b>		
			2001-1997	All	
				Seal .....	222743

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA TRUCK- MINIVAN, SUV - CR-V (cont.)

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

2001-1997	1972cc/2.0L	
Seal .....		223802

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2006-2002	2400cc/2.4L	
Seal Viton .....		228008
2001-1997	1972cc/2.0L	
Seal .....		228015

## HONDA TRUCK- MINIVAN, SUV - Element

### FRONT WHEEL

2006-2003	(ABS)	
Ball Bearing .....		510074
2006-2003	(Non-ABS)	
Ball Bearing .....		510039

### REAR WHEEL

2006-2004	DX, LX	
Bearing Assm .....		512263
2006-2004	EX	
Bearing Assm .....		512260

### 4WD FRONT AXLE

#### Pinion

2004-2003	All	
Seal ; Outer .....		A4
Cup/Cone; Outer .....		

### 4-SPEED AUTOMATIC TRANSAXLE

#### Selector Shaft Seal/Man. Shaft

2005-2003	All	
Repair Sleeve .....		221207
Seal .....		

### 5-SPEED MANUAL TRANSAXLE

#### Input Shaft

2005-2003	All	
Seal .....		710157

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2005-2003	2400cc/2.4L	
Seal Viton .....		228008

## HONDA TRUCK- MINIVAN, SUV - Odyssey

### FRONT WHEEL

2004-1999	All	
Ball Bearing .....		510059
1998-1995	All	
Bearing Assm .....		510038

### REAR WHEEL

2004-1999	All	
Hub Assembly .....		512180
1998	All	
Hub Assembly .....		512123
1997-1995	All	
Hub Assembly .....		512124

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

2001-1999	All	
Seal ; LH .....		710199
Seal Viton ; RH .....		224026
1998	All	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99139
Seal ; RH .....		224066
Seal ; LH .....		710315
1997-1995	All	
Cone/Cup ; LH .....		30208

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA TRUCK- MINIVAN, SUV - Odyssey (cont.)

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

#### Torque Converter / Frt Pump

2002-1995	All	
Seal	.....	350609

#### Output Shaft

2002	All	
Seal ; RH	.....	710300
Seal ; LH	.....	710199

2001-1999	All	
Seal ; LH	.....	710199
Seal Viton ; RH	.....	224026

1998	All	
Repair Sleeve; RH	.....	99157
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	224066
Seal ; LH	.....	710315

1997-1995	All	
Repair Sleeve; RH	.....	99157
Seal ; RH	.....	224066
Seal ; LH	.....	2007N

#### Selector Shaft Seal/Man. Shaft

2005-1995	All	
Repair Sleeve	.....	221207
Seal	.....	

### CAMSHAFT SEAL

#### 4 Cylinder

1998	2.3 (SOHC)	
Seal	.....	712008

1997-1995	2.2L (SOHC)	
Seal	.....	712008

#### 6 Cylinder

2004-1999	3.5L	
Seal	.....	710451

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1998	2.3 (SOHC)	
Seal	.....	224015

### CRANKSHAFT FRONT SEAL(cont)

#### 4 Cylinder(cont)

1997-1995	2.2L (SOHC)	
Seal	.....	224015

#### 6 Cylinder

2001-1999	3.5L	
Repair Sleeve	.....	99162
Seal	.....	1181

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1998	2.3 (SOHC)	
Seal	.....	228015

1997-1995	2.2L (SOHC)	
Seal	.....	228015

#### 6 Cylinder

2004-1999	3.5L	
Seal Viton	.....	228008

## HONDA TRUCK- MINIVAN, SUV - Passport

### FRONT WHEEL

2001-1994	All	
Seal ; Inner	.....	710168

### 4WD/AWD

2002	All	
Hub Assembly	.....	513166

### REAR WHEEL

2002-1999	All	
Hub Assembly	.....	512180

1998	All	
Hub Assembly	.....	512123

### REAR WHEEL(cont)

1997-1994	(4WD)	
Seal	.....	9912
Wheel Brg	.....	A10

1997-1994	(RWD)	
Seal	.....	710166
Cyl. Bearing	.....	5707

### FRONT AXLE

#### Differential

2002-1994	All	
Cup/Cone	.....	A35

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>HONDA TRUCK- MINIVAN, SUV - Passport (cont.)</b>					

<b>FRONT AXLE(cont)</b>		
<b>Pinion</b>		
2002-1999	All	
Seal	.....	710513
Cone/Cup ; Outer	.....	30306
Cone/Cup ; Inner	.....	32307
1998-1994	All	
Repair Sleeve	.....	99157
Seal	.....	474133
Cone/Cup ; Outer	.....	30306
Cone/Cup ; Inner	.....	32307

<b>REAR AXLE</b>		
<b>Differential</b>		
2002-1999	All	
Cone/Cup	.....	25590-25523
1999-1994	(Dana/Spicer 44-3 Axle)	
Cone/Cup	.....	25590-25523
1997-1994	(7.625" R.G.)	
Cone/Cup	.....	LM501349-LM501314
<b>Pinion</b>		
2002-1999	All	
Seal	.....	710452
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
1999-1998	(Dana/Spicer 44-3 Axle)	
Seal	.....	710452
Cone/Cup ; Outer	.....	HM88649-HM88610
Cone/Cup ; Inner	.....	02872-02820
1997-1994	(7.625" R.G.)	
Cone/Cup ; Inner	.....	HM89249-HM89210
1997-1994	(Dana/Spicer 44-3 Axle)	
Repair Sleeve	.....	99155
Seal	.....	5778
Cone/Cup ; Outer	.....	HM88649-HM88610
Cone/Cup ; Inner	.....	02872-02820

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
1996-1994	4 Cyl 2.6L	
Ball Bearing	.....	203FF

<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Front Input Shaft</b>		
1997-1994	(4WD)	
Seal	.....	710157
1996-1994	DX	
Repair Sleeve	.....	99125
Seal	.....	7412S
<b>Rear Output Shaft</b>		
1997-1994	(4WD)	
Repair Sleeve	.....	99157
Seal	.....	3459
1996-1994	DX	
Seal	.....	710441

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
1996-1994	2.6L	
Repair Sleeve	.....	99114
Seal	.....	1981
<b>6 Cylinder</b>		
2002-1994	3.2L	
Repair Sleeve	.....	99114
Seal	.....	1981

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1996-1994	2.6L	
Seal	.....	224025
<b>6 Cylinder</b>		
2002-1994	3.2L	
Seal	.....	224025

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1996-1994	2.6L	
Seal	.....	710060
<b>6 Cylinder</b>		
2002-1994	3.2L	
Seal	.....	710060

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HONDA TRUCK- MINIVAN, SUV - Pilot

<b>FRONT WHEEL</b>			<b>CAMSHAFT SEAL</b>		
2006-2005	All		<b>6 Cylinder</b>		
Ball Bearing .....		510085	2004-2003	3.5L	
2004-2003	All		Seal .....		710451
Ball Bearing .....		510011	<b>CRANKSHAFT FRONT SEAL</b>		
<b>REAR WHEEL</b>			<b>6 Cylinder</b>		
2006-2003	All		2004-2003	3.5L	
Ball Bearing .....		510039	Seal Viton .....		2012V
<b>5-SPEED AUTOMATIC TRANSAXLE</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			<b>6 Cylinder</b>		
2005-2003	All		2004-2003	3.5L	
Repair Sleeve .....		221207	Seal Viton .....		228008
Seal .....					

## HUMMER & HUMVEE- H3

<b>REAR WHEEL</b>			<b>REAR AXLE</b>		
2007-2006	All		<b>Differential</b>		
Cyl. Bearing .....		513067	2006	All	
<b>4WD FRONT AXLE</b>			Cup/Cone .....		A36
<b>Differential</b>			<b>Pinion</b>		
2006	All		2006	All	
Cup/Cone .....		A36	Repair Sleeve .....		99212
<b>Pinion</b>			Seal .....		710506
2006	All		Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Outer .....		M86649-M86610	Cone/Cup ; Inner .....		HM89249-HM89210
Cone/Cup ; Inner .....		HM89249-HM89210			

## HUMMER & HUMVEE- Hummer, Humvee, H1, H2

<b>FRONT WHEEL</b>			<b>REAR WHEEL</b>		
<b>4WD/AWD</b>			2007-2003	H2	
2007-2003	H2		Seal .....		710105
Hub Assembly .....		515058	Cyl. Bearing .....		R1561TV
2006-2002	H1		Optional Repair Bearing .....		RP1561GM <sup>91</sup>
Cone/Cup ; Outer .....		3780-3720	2004-2002	H1	
Cone/Cup ; Inner .....		3490-3420	Cone/Cup ; Outer .....		3780-3720
2001-1992	All		Cone/Cup ; Inner .....		3490-3420
Cone/Cup ; Outer .....		3780-3720	2001-1992	All	
Cone/Cup ; Inner .....		3490-3420	Cone/Cup ; Outer .....		3780-3720
			Cone/Cup ; Inner .....		3490-3420
<b>4WD FRONT AXLE</b>			<b>Differential</b>		
<b>Differential</b>			2005-2003	H2	
			Seal .....		450094
			Cup/Cone .....		A42

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HUMMER & HUMVEE- Hummer, Humvee, H1, H2 (cont.)

<b>4WD FRONT AXLE(cont)</b>			<b>4-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Differential(cont)</b>			<b>Torque Converter</b>		
2005-1993	(AMC 20 Axle)		2001-1993	(4L80E)	
	Cup/Cone .....	A36		Repair Sleeve .....	99199
<b>Pinion</b>				Seal .....	4598
2005-2003	H2		<b>TRANSFER CASE</b>		
	Repair Sleeve .....	99193	<b>Input Shaft</b>		
	Seal .....	710281	2001-1995	(New Process 242)	
	Cone/Cup ; Outer .....	HM88649-HM88610		Ball Bearing .....	110L
	Cone/Cup ; Inner .....	HM804846-HM804810		Repair Sleeve .....	99193
2001-1993	(AMC 20 Axle)			Seal .....	3173
	Seal .....	470331N	2001-1994	(New Process 242) (2nd design)	
	Cone/Cup ; Outer .....	M88048-M88010		Ball Bearing .....	110L
	Cone/Cup ; Inner .....	M802048-M802011		Repair Sleeve .....	99193
<b>REAR AXLE</b>				Seal .....	3173
<b>Differential</b>			1994	(New Process 242) (1st design)	
2005-2003	H2			Ball Bearing .....	N5210KLB
	Cup/Cone .....	A42		Repair Sleeve .....	99193
2001-1993	(AMC 20 Axle)			Seal .....	3173
	Cup/Cone .....	A36	1993	(New Process 242)	
<b>Pinion</b>				Ball Bearing .....	N5210KLB
2005-2003	H2			Repair Sleeve .....	99193
	Repair Sleeve .....	99193		Seal .....	3173
	Seal .....	710507	<b>Front Output Shaft</b>		
	Cone/Cup ; Outer .....	HM88649-HM88610	2001-1993	(New Process 242)	
	Cone/Cup ; Inner .....	HM804846-HM804810		Ball Bearing .....	207
2001-1993	(AMC 20 Axle)			Repair Sleeve .....	99187
	Seal .....	470331N		Seal .....	3946
	Cone/Cup ; Outer .....	M88048-M88010	<b>Rear Output Shaft</b>		
	Cone/Cup ; Inner .....	M802048-M802011	2001-1993	(New Process 242)	
<b>3-SPEED AUTOMATIC TRANSMISSION</b>				Ball Bearing .....	206
<b>Rear Seal/Ext. Housing</b>			<b>Oil Pump Housing</b>		
1993	(3L80HD)		2001-1993	(New Process 242)	
	Seal .....	9449		Repair Sleeve .....	99225
	Seal Kit .....	5208		Seal .....	341022
<b>Selector Shaft Seal/Man. Shaft</b>			<b>ALTERNATOR</b>		
1993	(3L80HD)		2001-1993	(Delco 124 Amp.)	
	Repair Sleeve .....	8792S		Ball Bearing ; Rear End .....	100CC4
	Seal .....		<b>A/C COMPRESSOR</b>		
<b>Torque Converter</b>			2001-1993	(Frigidaire R4)	
1993	(3L80HD)			Ball Bearing .....	907257
	Repair Sleeve .....	99187		Needle Bearing; Frt Head .....	S128
	Seal .....	6712NA	<b>CRANKSHAFT FRONT SEAL</b>		
<b>4-SPEED AUTOMATIC TRANSMISSION</b>			<b>8 Cylinder</b>		
<b>Rear Seal/Ext. Housing</b>			2006-1993	6.0L, 6.2L (Diesel), 6.5L (Diesel), 6.5L (Turbo Diesel)	
2001-1993	(4L80E)			Repair Sleeve .....	99233
	Seal .....	9449		Seal .....	3945
	Seal Kit .....	5208	1996-1995	350/5.7L	
<b>Selector Shaft Seal/Man. Shaft</b>				Repair Sleeve .....	99176
2001-1993	(4L80E)			Seal .....	9845
	Repair Sleeve .....	8792S			
	Seal .....				

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **HUMMER & HUMVEE- Hummer, Humvee, H1, H2 (cont.)**

### **CRANKSHAFT REAR SEAL**

#### **8 Cylinder**

2006-1993	379/6.2L (Diesel) 395/6.5L(Diesel) 395/6.5 (Turbo Diesel)6.6L (Diesel)	
	Seal Viton .....	710258
1996-1995	350/5.7L	
	Seal Viton .....	4359V
	Repair Sleeve .....	99364
	Seal PTFE H/D .....	

## **HYUNDAI- FRONT DRIVE - Accent, Elantra, Excel, Scoupe, Sonata, Tiburon, XG300, XG350**

### **FRONT WHEEL**

2006-2003	Tiburon (4 Cyl.)	
	Ball Bearing .....	510078
2006-2003	Tiburon (6 Cyl.)	
	Ball Bearing .....	510076
2006-2001	Elantra	
	Ball Bearing .....	510078
2006-2000	Accent	
	Ball Bearing .....	510055
2005-2003	XG300, XG350 (From 1/3/02)	
	Ball Bearing .....	510034
2005-2002	Sonata (From 1/3/02)	
	Ball Bearing .....	510034
2002-2001	XG300, XG350 (Thru 1/2/02)	
	Ball Bearing .....	510076
2002-1999	Sonata (Thru 1/2/02)	
	Ball Bearing .....	510076
2001-1997	Tiburon	
	Ball Bearing .....	510055
2000-1996	Elantra	
	Ball Bearing .....	510055
1999-1996	Accent	
	Seal .....	474134
	Cup/Cone .....	A41
1998-1995	Sonata	
	Ball Bearing .....	510075
1995-1992	Elantra	
	Seal ; Inner .....	474134
	Seal ; Outer .....	474134
	Cup/Cone; Inner .....	A41
	Cup/Cone; Outer .....	A41
1995-1991	SCoupe	
	Seal .....	474134
	Cup/Cone .....	A41
1994-1989	Sonata	
	Seal ; Inner .....	225082
	Seal ; Outer .....	225230
	Ball Bearing ; Inner .....	513036

### **FRONT WHEEL(cont)**

1994-1986	Excel	
	Seal .....	474134
	Cup/Cone .....	A41

### **REAR WHEEL**

2006-2003	Tiburon (ABS)	
	Hub Assembly .....	512198
2006-2003	Tiburon (Non-ABS)	
	Hub Assembly .....	512199
2006-2001	Elantra (ABS)	
	Hub Assembly .....	512195
2006-2001	Elantra (Non-ABS)	
	Hub Assembly .....	512195
2005-2001	XG300, XG350	
	Hub Assembly .....	512189
2005-2000	Accent (ABS)	
	Hub Assembly .....	512192
2005-2000	Accent (Non-ABS)	
	Hub Assembly .....	512193
2005-1999	Sonata (ABS)	
	Hub Assembly .....	512190
2005-1999	Sonata (Non-ABS)	
	Hub Assembly .....	512191
2001-1997	Tiburon	
	Hub Assembly .....	512160
2000-1996	Elantra	
	Hub Assembly .....	512160
1999-1997	Accent	
	Hub Assembly .....	512165
1998-1992	Sonata	
	Hub Assembly .....	512026
1996-1995	Accent	
	Hub Assembly .....	512027
1995-1992	Elantra	
	Cone/Cup ; Outer .....	516000
	Cone/Cup ; Inner .....	516000
	Seal ; Inner .....	1196

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>HYUNDAI- FRONT DRIVE - Accent, Elantra, Excel, Scoupe, Sonata, Tiburon, XG300, XG350 (cont.)</b>					

## REAR WHEEL(cont)

<b>1995-1991</b>	<b>SCoupe</b>	
Cone/Cup ; Outer .....		516000
Cone/Cup ; Inner .....		516000
Seal ; Inner .....		710404
<b>1994-1989</b>	<b>Excel</b>	
Cone/Cup ; Outer .....		516000
Cone/Cup ; Inner .....		516000
Seal ; Inner .....		710404
<b>1991-1989</b>	<b>Sonata</b>	
Seal ; Inner .....		494122
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1988-1986</b>	<b>Excel</b>	
Seal ; Inner .....		1196
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1

## CLUTCH

### Pilot Bearing

<b>1987-1986</b>	<b>4 Cyl</b>	
Ball Bearing .....		102CC

### Release Bearing

<b>2001-1986</b>	<b>4 Cyl (Exc Tiburon)</b>	
Bearing Assembly .....		614126

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

<b>1989-1986</b>	<b>(KM170 1, KM171 1, KM171 5)</b>	
Ball Bearing .....		207

### Output Shaft

<b>1989-1986</b>	<b>(KM170 1, KM171 1, KM171 5)</b>	
Repair Sleeve .....		99139
Seal .....		223543

### Torque Converter

<b>1989-1986</b>	<b>(KM170 1, KM171 1, KM171 5)</b>	
Seal .....		320583

### Transfer Shaft

<b>1989-1986</b>	<b>(KM170 1, KM171 1, KM171 5)</b>	
Cone/Cup ; Outer .....		30304
Cone/Cup ; Inner .....		30206

### Transfer Gear

<b>1989-1986</b>	<b>(KM170 1, KM171 1, KM171 5)</b>	
Ball Bearing ; Inner .....		207
Ball Bearing ; Outer .....		306L

### Transfer Idler

<b>1989-1986</b>	<b>(KM170 1, KM171 1, KM171 5)</b>	
Cone/Cup .....		30206

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

<b>1999-1991</b>	<b>Accent, Excel</b>	
Ball Bearing .....		207

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Differential(cont)

<b>1993-1990</b>	<b>(F4A23 2)</b>	
Ball Bearing .....		206
<b>1990-1989</b>	<b>(F4A21 2, F4A22 2, F4A33 1)</b>	
Ball Bearing .....		207

### Torque Converter / Frt Pump

<b>2001-1997</b>	<b>Tiburon</b>	
Seal .....		320583

### Output Shaft

<b>2004-1995</b>	<b>Accent</b>	
Seal .....		2007N

<b>2001-1997</b>	<b>Tiburon</b>	
Seal .....		2007N

<b>2000-1994</b>	<b>(F4A32, F4A33 1)</b>	
Seal Viton .....		710259

<b>1998-1990</b>	<b>(F4A21 2, F4A22 2, F4A23 2)</b>	
Repair Sleeve .....		99139
Seal .....		223543

### Idler Shaft

<b>1994-1991</b>	<b>(F4A21 2)</b>	
Cone/Cup .....		30206

### Transfer Shaft

<b>1995-1991</b>	<b>(F4A21 2)</b>	
Cone/Cup .....		30207

## 4-SPEED MANUAL TRANSAXLE

### Differential

<b>1991-1989</b>	<b>(F4M21 1)</b>	
Ball Bearing .....		207

<b>1989-1987</b>	<b>(KM200 0)</b>	
Cone/Cup .....		30207

<b>1986</b>	<b>(KM161 0)</b>	
Ball Bearing .....		207

### Output Shaft

<b>1991-1987</b>	<b>(F4M21 1, KM200 0)</b>	
Cone/Cup .....		30206

Repair Sleeve .....		99139
Seal .....		223543

<b>1986</b>	<b>(KM161 0)</b>	
Cone/Cup .....		32004

Repair Sleeve .....		99139
Seal .....		223543

### Selector Shaft Seal/Man. Shaft

<b>1991-1986</b>	<b>All</b>	
Seal .....		710222

### Input Shaft

<b>1991-1987</b>	<b>(F4M21 1, KM200 0)</b>	
Seal Viton .....		712007

<b>1986</b>	<b>(KM161 0)</b>	
Ball Bearing .....		304
Seal Viton .....		712007

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>HYUNDAI- FRONT DRIVE - Accent, Elantra, Excel, Scoupe, Sonata, Tiburon, XG300, XG350 (cont.)</b>					

## 4-SPEED MANUAL TRANSAXLE(cont)

### Countershaft

1989-1987	(KM200 0)	
	Ball Bearing ; Frt .....	RW122
	Ball Bearing ; Rr .....	

### Intermediate Shaft

1986	(KM161 0)	
	Cone/Cup .....	32004

## 5-SPEED MANUAL TRANSAXLE

### Differential

2001-1997	Tiburon	
	Cone/Cup .....	32207
1999-1995	Accent	
	Ball Bearing .....	207
1997-1995	Sonata	
	Cone/Cup .....	32207
1995-1992	Elantra	
	Cone/Cup .....	30207
1994-1991	Excel	
	Ball Bearing .....	207
1992-1991	(F5M21 1, KM210 0)	
	Ball Bearing .....	207
1990-1987	(F5M21 1, KM201 0, KM210 0)	
	Ball Bearing .....	207

### Output Shaft

2004-1995	Accent	
	Seal .....	2007N
2001-1997	Tiburon	
	Seal .....	2007N
1998-1987	(F5M21 1, F5M22 2, KM201 0, KM210 0)	
	Cone/Cup .....	30206
	Repair Sleeve .....	99139
	Seal .....	223543
1993-1990	(F5M22 2)	
	Repair Sleeve .....	99139
	Seal .....	223543

### Selector Shaft Seal/Man. Shaft

1998-1987	All	
	Seal .....	710222

### Input Shaft

1998-1990	(F5M21 1, F5M22 2)	
	Seal Viton .....	712007
1992-1989	(KM210 0)	
	Ball Bearing ; Rr .....	306F
	Ball Bearing ; Center .....	304
	Seal Viton ; Frt .....	712007
1989-1987	(KM201 0)	
	Ball Bearing .....	304
	Seal Viton .....	712007

## ALTERNATOR

1996-1995	Mitsubishi 110 Amp.	
	Ball Bearing .....	303CC

## ALTERNATOR(cont)

1988-1986	All	
	Ball Bearing ; Drive End .....	203FF

## CAMSHAFT SEAL

### 4 Cylinder

2005-1992	1595cc/1.6L, 1795cc/1.8L, 1975cc/2.0L, 1997cc/2.0L, 2351cc/2.4L (DOHC)	
	Repair Sleeve .....	99139
	Seal .....	3771
2002-1986	1468cc/1.5L, 1495cc/1.5L, 2351cc/2.4L (SOHC)	
	Repair Sleeve .....	99139
	Seal .....	3771

### 6 Cylinder

2005-2002	3500cc/3.5L	
	Seal ; Rr .....	710302
2001-2000	2493cc/2.5L	
	Seal ; Rr .....	710302
1998-1990	2972cc/3.0L	
	Repair Sleeve .....	99139
	Seal .....	3771

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2005-2000	1.5L, 1.6L	
	Seal .....	227235
2004-2002	2.4L	
	Seal Viton .....	712007
2001-1997	1796cc/1.8L, 1975cc/2.0L, 1997cc/2.0L, 2351cc/2.4L	
	Seal .....	224460
1999-1993	1468cc/1.5L, 1495cc/1.5L	
	Seal .....	223018
1996-1989	1595cc/1.6L, 1997cc/2.0L, 2351cc/2.4L	
	Seal .....	224460
1992-1986	1468cc/1.5L	
	Seal .....	223018

### 6 Cylinder

2005-2000	2.5L, 2.7L	
	Seal .....	223750
2004-2001	3.0L, 3.5L	
	Seal .....	223750
1998-1990	2988cc/3.0L	
	Seal .....	223750

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2005-1993	1468cc/1.5L, 1495cc/1.5L, 1600cc/1.6L	
	Seal .....	227235
2003-1997	1796cc/1.8L, 1975cc/2.0L, 1997cc/2.0L, 2351cc/2.4L	
	Seal Viton .....	228005
1996-1989	1595cc/1.6L, 1997cc/2.0L, 2351cc/2.4L	
	Seal Viton .....	228005

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>HYUNDAI- FRONT DRIVE - Accent, Elantra, Excel, Scoupe, Sonata, Tiburon, XG300, XG350 (cont.)</b>					

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1992-1986	1468cc/1.5L	
Seal .....		227235
<b>6 Cylinder</b>		
2005-1999	2493cc/2.5L, 2656cc/2.7L, 3500cc/3.5L	
Seal Viton .....		710056
Seal PTFE H/D .....		
2001-1990	2972cc/3.0L	
Seal Viton .....		710056
Seal PTFE H/D .....		
<b>BALANCE SHAFT</b>		
<b>4 Cylinder</b>		
1998-1992	1997cc/2.0L (DOHC)	
Seal Viton .....		712007

<b>OIL PUMP</b>		
<b>4 Cylinder</b>		
2002-1989	1997cc/2.0L (DOHC), 2351cc/2.4L, 2351cc/2.4L(DOHC)	
Seal .....		222025

## HYUNDAI- REAR DRIVE - Pony, Stellar

<b>FRONT WHEEL</b>		
1988-1983	All	
Seal .....		474134
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1
<b>REAR WHEEL</b>		
1988-1985	Stellar (KSC Axle)	
Seal .....		2146
Wheel Brg .....		A9
1988-1985	Stellar (MIP Axle)	
Ball Bearing .....		207FF
Seal .....		1955

<b>REAR WHEEL(cont)</b>		
1987-1983	Pony	
Ball Bearing .....		207FF
Seal .....		1955
<b>REAR AXLE</b>		
<b>Differential</b>		
1987-1984	Stellar (MIP Axle), Pony	
Cone/Cup .....		30207
<b>Pinion</b>		
1987-1984	Stellar (MIP Axle), Pony	
Seal .....		710335
Cone/Cup ; Outer .....		32207
Cone/Cup ; Inner .....		

## HYUNDAI- REAR DRIVE - Pony, Stellar (cont.)

<b>REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
1986-1985	Stellar (KSC Axle)	
Seal .....		710335
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....		32207

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## HYUNDAI TRUCK- PICKUP, SUV - Sante Fe

<b>FRONT WHEEL</b>			<b>CRANKSHAFT REAR SEAL</b>		
2006-2001	All		<b>4 Cylinder</b>		
	Ball Bearing .....	510034	2004-2001	2351cc/ 2.4L	
<b>REAR WHEEL</b>				Seal Viton .....	710235
2006-2001	All		<b>6 Cylinder</b>		
	Ball Bearing .....	513058	2005-2001	2656cc/2.7L, 3500cc/3.5L	
<b>CAMSHAFT SEAL</b>				Seal Viton .....	710056
<b>4 Cylinder</b>				Seal PTFE H/D .....	
2005-2003	3500cc/3.5L		<b>OIL PUMP</b>		
	Seal ; Rr .....	710302	<b>4 Cylinder</b>		
2004-2001	2351cc/ 2.4L		2003-2001	2351cc/ 2.4L (DOCH)	
	Repair Sleeve .....	99139		Seal .....	222025
	Seal .....	3771	<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>			<b>4 Cylinder</b>		
2004-2001	2.4L		2004-2001	2.4L	
	Seal .....	224460	<b>6 Cylinder</b>		
<b>6 Cylinder</b>			2004-2001	2.7L, 3.5L	
2004-2001	2.7L, 3.5L			Seal .....	223750
	Seal .....	223750			

## HYUNDAI TRUCK- PICKUP, SUV - Tucson

<b>FRONT WHEEL</b>			<b>CRANKSHAFT REAR SEAL</b>		
2006-2005	All		<b>6 Cylinder</b>		
	Ball Bearing .....	510034	2005	2656cc/2.7L	
<b>REAR WHEEL</b>				Seal Viton .....	710056
<b>4WD/AWD</b>				Seal PTFE H/D .....	
2006-2005	All				
	Ball Bearing .....	513058			

## INFINITI- FRONT DRIVE - G20, I30, I35

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
2004-2000	I30, I35		1996-1991	G20	
	Ball Bearing .....	510060		Seal ; Inner .....	710108
2002-1999	G20			Seal ; Outer .....	710108
	Seal ; Inner .....	710108		Ball Bearing ; Inner .....	510009
	Seal ; Outer .....	710108	<b>REAR WHEEL</b>		
	Ball Bearing ; Inner .....	510009	2004-2000	I30, I35	
1999-1996	I30			Hub Assembly .....	512203
	Seal ; Inner .....	710108			
	Seal ; Outer .....	710108			
	Ball Bearing ; Inner .....	510009			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## INFINITI- FRONT DRIVE - G20, I30, I35 (cont.)

### CLUTCH

#### Pilot Bearing

1996-1991	4 Cyl 1998cc./2.0L, DOHC	
	Bearing Assembly Self .....	PB22
	Aligning Assy. ....	

#### Release Bearing

2001-1996	6 Cyl 2998cc/3.0L DOHC	
	Bearing Assembly Self .....	614049
	Aligning Assy. ....	
1996-1991	4 Cyl 1998cc./2.0L, DOHC	
	Bearing Assembly Self .....	614047
	Aligning Assy. ....	

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

2002-1991	(RL4F03A)	
	Ball Bearing .....	208
2002-1991	(RL4F03V)	
	Cone/Cup ; LH .....	32008
2000-1996	(RE4F04A)	
	Cone/Cup .....	32009XA
2000-1996	(RE4F04V)	
	Cone/Cup ; LH .....	32009XA
	Cone/Cup ; RH .....	32013X

#### Torque Converter / Frt Pump

2002-1991	(RL4F03A, RL4F03V)	
	Seal .....	710442
2000-1996	(RE4F04A, RE4F04V)	
	Seal .....	224663

#### Output Shaft

2002-1991	(RL4F03A)	
	Seal Viton .....	224026
2002-1991	(RL4F03V)	
	Seal ; RH .....	710133
	Seal ; LH .....	710132
2000-1996	(RE4F04A)	
	Seal ; RH .....	710124
	Seal ; LH .....	710118
2000-1996	(RE4F04V)	
	Seal ; RH .....	710124
	Seal ; LH .....	710397

#### Selector Shaft Seal/Man. Shaft

2002-1991	(RL4F03A, RL4F03V, RE4F04A, RE4F04V)	
	Repair Sleeve .....	221207
	Seal .....	

#### Oil Pump

2000-1996	(RE4F04A, RE4F04V)	
	Seal .....	224450
1995-1991	(RE4F02V)	
	Seal .....	224450

### 5-SPEED MANUAL TRANSAXLE

#### Differential

2002-1991	(RS5F32A)	
	Cone/Cup .....	32010X

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Differential(cont)

2002-1991	(RS5F32V)	
	Cone/Cup ; LH .....	32010X
2000-1996	(RS5F50A)	
	Cone/Cup .....	32009XA
2000-1996	(RS5F50V)	
	Cone/Cup ; LH .....	32009XA
	Cone/Cup ; RH .....	32013X

#### Output Shaft

2000-1996	(RS5F50A)	
	Cone/Cup ; LH .....	32206
	Seal ; RH .....	710124
	Seal ; LH .....	710118
	Cone/Cup ; RH .....	30306
2000-1996	(RS5F50V)	
	Seal ; RH .....	710124
	Seal ; LH .....	710397
2000-1991	(RS5F32A)	
	Seal ; LH .....	710132
2000-1991	(RS5F32V)	
	Seal ; RH .....	710133
	Seal ; LH .....	710132

#### Input Shaft

2002-1991	(RS5F32A) (RS5F32V)	
	Ball Bearing .....	305
	Seal .....	710316
2000-1996	(RS5F50A) (RS5F50V)	
	Ball Bearing .....	710119
	Seal .....	

### ALTERNATOR

1997-1991	Hitachi 90 Amp.	
	Ball Bearing ; Drive End .....	303CC

### CAMSHAFT SEAL

#### 4 Cylinder

1996-1991	1998cc/2.0L (DOHC)	
	Seal .....	223420

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1996-1991	1998cc/2.0L (DOHC)	
	Seal .....	224650

#### 6 Cylinder

2004-2002	3498cc/3.5L	
	Seal .....	710356
2001-1996	2988cc/3.0L (DOHC)	
	Seal .....	710356

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1996-1991	1998cc/2.0L (DOHC)	
	Seal Viton .....	228410

#### 6 Cylinder

2004-2002	3498cc/3.5L (DOHC)	
	Seal Viton .....	710363

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## INFINITI- FRONT DRIVE - G20, I30, I35 (cont.)

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder(cont)

2001-1996	2988cc/3.0L (DOHC)	
Seal Viton .....		710363

## INFINITI- REAR DRIVE - G35, J30, M30, M35, M45, Q45

### FRONT WHEEL

2001-1997	Q45	
Seal .....		710292
1997-1993	J30	
Seal .....		710292
1996-1990	Q45	
Seal .....		710108
1992-1990	M30 (ABS)	
Cup/Cone; Inner .....	A6	
Cup/Cone; Outer .....	A2	
1992-1990	M30 (Non-ABS)	
Seal ; Inner .....		710126
Cup/Cone; Inner .....	A6	
Cup/Cone; Outer .....	A2	

### REAR WHEEL

2001-1997	Q45	
Seal .....		710439
Wheel Brg .....		516004
1997-1993	J30	
Seal .....		710439
Wheel Brg .....		516004
1996-1990	Q45	
Seal .....		710130
1992-1990	M30	
Seal ; Inner .....		710131
Ball Bearing ; Inner .....	RW101	
Ball Bearing ; Outer .....	RW132	

### REAR AXLE

#### Differential

2002-1990	All	
Cone/Cup .....		30209C
Seal .....		223542

#### Pinion

2002-1990	(R200V)	
Seal .....		712020
Cone/Cup ; Outer .....		32306C
1992-1990	(R200KV)	
Seal .....		712020
Cone/Cup ; Outer .....		32306C
Cup/Cone; Inner .....	A35	

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

2000-1990	(RE4R01A, RE4R03A)	
Seal .....		223801

### 4-SPEED AUTOMATIC TRANSMISSION(cont)

#### Selector Shaft Seal/Man. Shaft

2000-1990	(RE4R01A, RE4R03A)	
Seal .....		2027

#### Torque Converter

2000-1990	(RE4R01A, RE4R03A)	
Seal .....		224663

### ALTERNATOR

1997-1990	Hitachi 90 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC

### CAMSHAFT SEAL

#### 6 Cylinder

1997-1990	2960cc/3.0L (DOHC)	
Seal .....		224052

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2006-2003	3498cc/3.5L	
Seal .....		710356
1997-1990	2960cc/3.0L (DOHC)	
Seal .....		223340

#### 8 Cylinder

2004-2003	4500cc/4.5L	
Seal .....		224650

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2006-2003	All	
Seal Viton .....		710363
1997-1990	2960cc/3.0L (DOHC)	
Seal Viton .....		228410

#### 8 Cylinder

2006-2002	4494cc/4.5L, 4500cc/4.5L	
Seal Viton .....		228410
2001-1990	4130cc/4.1L (DOHC), 4494cc/4.5L (DOHC)	
Seal Viton .....		228410

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## INFINITI TRUCK- SUV - FX35, FX45

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2005-2003 3498cc/3.5L  
Seal ..... 710356

#### 8 Cylinder

2005-2003 All  
Seal ..... 224650

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2005-2003 All  
Seal Viton ..... 710363

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder

2005-2003 All  
Seal Viton ..... 228410

## INFINITI TRUCK- SUV - QX4

### FRONT WHEEL

2003-1997 All  
Cone/Cup ; Outer ..... LM300849-LM300811  
Seal ; Inner ..... 710072  
Cup/Cone; Inner ..... A37

### REAR WHEEL

2003-1997 All  
Seal ..... 710176  
Wheel Brg ..... 516005

### 4WD FRONT AXLE

#### Differential

2002-1997 (R200A Axle)  
Cone/Cup ..... 30209C  
Seal ..... 223542

#### Pinion

2002-1997 (R200A Axle)  
Seal ..... 712020  
Cone/Cup ; Outer ..... 32306C

#### Axle Shaft

2002-1997 (R200A Axle)  
Seal ; Inner ..... 1181  
Seal ; Outer ..... 99162  
Repair Sleeve; Inner ..... RW114R  
Ball Bearing ; Outer .....

### REAR AXLE

#### Pinion

2002-1997 (H233BS Axle)  
Seal ..... 710245  
Cone/Cup ; Outer ..... 32306C  
Cone/Cup ; Inner ..... 32308

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

2000-1997 (RE4R01A)  
Seal ..... 223801

### 4-SPEED AUTOMATIC TRANSMISSION(cont)

#### Selector Shaft Seal/Man. Shaft

2000-1997 (RE4R01A)  
Seal ..... 2027

#### Torque Converter

2000-1997 (RE4R01A)  
Seal ..... 224663

### TRANSFER CASE

#### Selector Shaft Seal/Man. Shaft

2003-1997 (TX10A)  
Repair Sleeve ..... 221710  
Seal .....

#### Input Shaft

2003-1997 (TX10A) (M/T)  
Ball Bearing ..... 306  
Seal ..... 225030  
2000-1997 (TX10A) (A/T)  
Ball Bearing ..... 306  
Seal ..... 225035

#### Front Output Shaft

2003-1997 (TX10A)  
Ball Bearing ..... 212L  
Seal ..... 710113

#### Rear Output Shaft

2003-1997 (TX10A)  
Ball Bearing ..... 224266  
Seal .....

#### Drive Sprocket

2003-1997 (TX10A)  
Ball Bearing ..... 208

### CAMSHAFT SEAL

#### 6 Cylinder

2000-1997 3274cc/3.3L  
Seal ..... 224052

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## INFINITI TRUCK- SUV - QX4 (cont.)

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2003-2001	3498cc/3.5L	
Seal	.....	710356
2000-1997	3274cc/3.3L	
Seal	.....	224052

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2003-2001	3498cc/3.5L (DOHC)	
Seal Viton	.....	710363

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder(cont)

2000-1997	3274cc/3.3L	
Seal Viton	.....	228410

## INTERNATIONAL TRUCK- 1/2, 3/4, 1, 1-1/2, 2 TON - All Models - by axle designation

### FRONT WHEEL

#### 2WD

<b>1981-1980</b>	<b>FA 100</b>	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
<b>1981-1980</b>	<b>FA 101</b>	
Cone/Cup ; Outer	.....	25877-25820
Cone/Cup ; Inner	JM207049A-JM207010	
<b>1981-1980</b>	<b>FA 102</b>	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
<b>1981-1980</b>	<b>FA 103</b>	
Cone/Cup ; Outer	.....	25877-25820
Cone/Cup ; Inner	JM207049A-JM207010	
<b>1981-1980</b>	<b>FA 105</b>	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
<b>1981-1980</b>	<b>FA 109</b>	
Cone/Cup ; Outer	.....	3979-3920
Cone/Cup ; Inner	.....	641-632
<b>1981-1980</b>	<b>FA 110</b>	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
<b>1981-1980</b>	<b>FA 118</b>	
Cone/Cup ; Outer	.....	3979-3920
Cone/Cup ; Inner	.....	641-632
<b>1981-1980</b>	<b>FA 208</b>	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
<b>1981-1980</b>	<b>FA 209</b>	
Cone/Cup ; Outer	.....	3585-3525
Cone/Cup ; Inner	.....	39581-39520
<b>1981-1980</b>	<b>FA 309</b>	
Cone/Cup ; Outer	.....	HD213
Cone/Cup ; Inner	.....	HD200

### FRONT WHEEL(cont)

#### 2WD(cont)

<b>1981-1980</b>	<b>FA 329</b>	
Cone/Cup ; Outer	.....	HD213
Cone/Cup ; Inner	.....	HD200
<b>1981-1980</b>	<b>FA 48 1600 Ser.</b>	
Cone/Cup ; Outer	.....	1779-1729X
Cone/Cup ; Inner	.....	26884-26823
Seal ; Inner	.....	
<b>1981-1980</b>	<b>FA 52</b>	
Cone/Cup ; Outer	LM104949-JLM104910	
Cone/Cup ; Inner	.....	HD213
Seal ; Inner	.....	455009
<b>1981-1980</b>	<b>FA 53</b>	
Cone/Cup ; Outer	LM104949-JLM104910	
Cone/Cup ; Inner	.....	HD213
Seal ; Inner	.....	455009
<b>1981-1980</b>	<b>FA 54 (Dana 70 Axle)</b>	
Cone/Cup ; Outer	.....	3780-3720
Cone/Cup ; Inner	.....	
<b>1981-1980</b>	<b>FA 64</b>	
Cone/Cup ; Outer	.....	566-563
Cone/Cup ; Inner	.....	
<b>1981-1980</b>	<b>FA 69</b>	
Cone/Cup ; Outer	.....	3778-3720
Cone/Cup ; Inner	.....	455005
Seal ; Inner	.....	
<b>1981-1980</b>	<b>FA 71</b>	
Cone/Cup ; Outer	.....	25877-25820
Cone/Cup ; Inner	JM205149A-JM205110	
<b>1981-1980</b>	<b>FA 73</b>	
Cone/Cup ; Outer	.....	25877-25820
Cone/Cup ; Inner	JM205149A-JM205110	
<b>1981-1980</b>	<b>FA 74</b>	
Cone/Cup ; Outer	.....	25877-25820
Cone/Cup ; Inner	JM205149A-JM205110	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>INTERNATIONAL TRUCK- 1/2, 3/4, 1, 1-1/2, 2 TON - All Models - by axle designation (cont.)</b>					

<b>FRONT WHEEL(cont)</b>		
<b>2WD(cont)</b>		
<b>1981-1980</b>	<b>FA 78</b>	
Cone/Cup ; Outer .....		566-563
Cone/Cup ; Inner .....		
<b>1981-1980</b>	<b>FA 81</b>	
Cone/Cup ; Outer .....		566-563
Cone/Cup ; Inner .....		
<b>1981-1980</b>	<b>FA 89</b>	
Cone/Cup ; Outer .....		33895-33821
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1981-1980</b>	<b>FA 91</b>	
Cone/Cup ; Outer .....		33895-33821
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1981-1980</b>	<b>FA 98</b>	
Cone/Cup ; Outer .....		33895-33821
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1981-1980</b>	<b>FA 99</b>	
Cone/Cup ; Outer .....		33895-33821
Cone/Cup ; Inner .....		
Seal ; Inner .....		

<b>REAR WHEEL</b>		
<b>1980</b>	<b>(RA 126 Axle)</b>	
Cone/Cup ; Outer .....		3984-3920
Cone/Cup ; Inner .....		456648
Seal ; Inner .....		
<b>1980</b>	<b>(RA 187 Axle)</b>	
Cone/Cup ; Outer .....		39585-39520
Cone/Cup ; Inner .....		33281-33462
Seal ; Inner .....		415437
<b>1980</b>	<b>(RA 189 Axle)</b>	
Cone/Cup ; Outer .....		39585-39520
Cone/Cup ; Inner .....		47678-47620
Seal ; Inner .....		455958
<b>1980</b>	<b>(RA 25 Axle)</b>	
Cone/Cup ; Outer .....		3984-3920
Cone/Cup ; Inner .....		456648
Seal ; Inner .....		
<b>1980</b>	<b>(RA 30 Axle)</b>	
Cone/Cup ; Outer .....		39585-39520
Cone/Cup ; Inner .....		33281-33462
Seal ; Inner .....		415437
<b>1980</b>	<b>(RA 39 Axle)</b>	
Cone/Cup ; Outer .....		39585-39520
Cone/Cup ; Inner .....		47678-47620
Seal ; Inner .....		455958

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>1983-1980</b>	<b>(Eaton 16600, 16802 Axles)</b>	
Cone/Cup ; LH .....		42381-42584
Cone/Cup ; RH .....		495A-493

<b>REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
<b>1983-1980</b>	<b>(Eaton 17500 1, 17800, 17810,18812, 7810 Axles)</b>	
Cone/Cup ; LH .....		56425-56650
Cone/Cup ; RH .....		
<b>1981</b>	<b>(Eaton 15201 Axle)</b>	
Cone/Cup ; LH .....		498-493
Cone/Cup ; RH .....		33275-33472
<b>Pinion</b>		
<b>1991-1987</b>	<b>(14021, 14022 Axles)</b>	
Cone/Cup ; Outer .....		30309
Cone/Cup ; Inner .....		
<b>1983-1980</b>	<b>(Eaton 16802 Axle) (2.375" Pinion Shaft O.D.)</b>	
Seal .....		712375
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing ; Pilot .....		MUS1307UM
<b>1983-1980</b>	<b>(Eaton 16802 Axle) (2.625" Pinion Shaft O.D.)</b>	
Seal .....		712625
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		HM903249-HM903210
Cyl. Bearing ; Pilot .....		MUS1307UM
<b>1983-1980</b>	<b>(Eaton 17500 1, 17800, 17810,18812, 7810 Axles)</b>	
Repair Sleeve .....		99262
Seal .....		9773
Cone/Cup ; Outer .....		55200C-55437
Cone/Cup ; Inner .....		55200C-55437
Cyl. Bearing ; Pilot .....		MUS1307UM
<b>1981</b>	<b>(Eaton 15201 Axle)</b>	
Repair Sleeve .....		99225
Seal .....		470737N
Cone/Cup ; Outer .....		HM903249-HM903210
Cone/Cup ; Inner .....		HM903249-HM903210
Seal Kit .....		722250
Cyl. Bearing .....		MU1305TDM

<b>DRIVESHAFT SUPPORT</b>		
<b>1981-1980</b>	<b>(Spicer 1280 1310) (1.1811" Brg.I.D.)</b>	
Ball Bearing .....		206FF
<b>1981-1980</b>	<b>(Spicer 1280 1410) (1.3780" Brg.I.D.)</b>	
Ball Bearing .....		88107

<b>ALTERNATOR</b>		
<b>1980</b>	<b>(Delco Remy 32, 37, 61 Amp.)</b>	
Ball Bearing ; Drive End .....		203S
Needle Bearing; Rear End .....		MNJ471S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>INTERNATIONAL TRUCK- SUV - Scout, Scout II, Scout 80, Scout 800, Travelall</b>					

## FRONT WHEEL

### 2WD

1980	All	
Seal ; Inner	.....	442874
Cup/Cone; Outer	.....	A35

### 4WD/AWD

1980	All	
Seal ; Inner	.....	442874
Cup/Cone; Outer	.....	A35

## REAR WHEEL

1980	(RA 18, RA28 Axle)	
Seal ; Inner	.....	481837
Seal ; Outer	.....	9912
Wheel Brg; Inner	.....	A10

## 4WD FRONT AXLE

### Differential

1980	(Dana/Spicer 27F, 30AF Axles)	
Cone/Cup	..... LM501349-LM501311	
1980	(Dana/Spicer 44-1F Axle)	
Cone/Cup	.....	25590-25523

### Pinion

1980	(Dana/Spicer 27F, 30AF Axles) (Prod. Fro 4/1961 On)	
Repair Sleeve	.....	99155
Seal	.....	5778
Cone/Cup ; Outer	.....	02872-02820
Cone/Cup ; Inner	..... HM88649-HM88610	
1980	(Dana/Spicer 44-1F Axle)	
Repair Sleeve	.....	99155
Seal	.....	5778
Cone/Cup ; Outer	.....	02872-02820
Cone/Cup ; Inner	.....	31594-31520

## 4WD FRONT AXLE(cont)

### Spindle

1980	(Dana/Spicer 30AF, 44 1F axle)	
Seal ; Inner	.....	722108
Seal ; Outer	.....	722109

## REAR AXLE

### Differential

1980	(Dana/Spicer 44 Axle)	
Cone/Cup	.....	25590-25523

### Pinion

1980	(Dana/Spicer 44 Axle)	
Repair Sleeve	.....	99155
Seal	.....	5778
Cone/Cup ; Outer	.....	02872-02820
Cone/Cup ; Inner	.....	31594-31520

## DRIVESHAFT SUPPORT

1980	(Spicer 1280 1310) (1.1811" Brg.I.D.)	
Ball Bearing	.....	206FF
1980	(Spicer 1280 1410) (1.3780" Brg.I.D.)	
Ball Bearing	.....	88107

## CLUTCH

### Pilot Bearing

1980	Exc 8 Cyl	
Ball Bearing	.....	7109
1980	Scout II 8 Cyl	
Ball Bearing	.....	8505

## ALTERNATOR

1980	(Delco Remy 32, 37, 61 Amp.)	
Ball Bearing ; Drive End	.....	203S
Needle Bearing; Rear End	.....	MNJ471S

# ISOTTA FRASCHINI- All

## FRONT WHEEL

1999-1996	T8 spider	
Ball Bearing	.....	510019

## REAR WHEEL

1999-1996	T8 spider	
Ball Bearing	.....	510019

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ISUZU- FRONT DRIVE - I-Mark, Impulse, Impulse AWD, Stylus</b>					

<b>FRONT WHEEL</b>		
<b>1993-1991 Stylus (Exc. Turbo)</b>		
Ball Bearing .....	510033	
Seal .....	1953	
<b>1993-1991 Stylus (Turbo)</b>		
Seal ; Inner .....	710194	
Seal ; Outer .....	710192	
Wheel Brg; Inner .....	517005	
<b>1992-1990 Impulse (Exc. Turbo)</b>		
Ball Bearing .....	510033	
Seal .....	1953	
<b>1992-1990 Impulse (Turbo)</b>		
Seal ; Inner .....	710194	
Seal ; Outer .....	710192	
Wheel Brg; Inner .....	517005	
<b>1989-1986 I-Mark</b>		
Seal .....	710098	
Wheel Brg .....	517006	

<b>REAR WHEEL</b>		
<b>1993-1991 Stylus</b>		
Hub Assembly .....	512171	
<b>1992-1990 Impulse (FWD)</b>		
Hub Assembly .....	512171	
<b>1989-1985 I-Mark</b>		
Seal ; Inner .....	1174	
Cup/Cone; Inner .....	A4	
Cup/Cone; Outer .....	A1	

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>1992-1991 Impulse (AWD)</b>		
Cone/Cup .....	LM501349-LM501314	
<b>Pinion</b>		
<b>1992-1991 Impulse (AWD)</b>		
Cone/Cup ; Outer .....	30305	
Cone/Cup ; Inner .....	02475-02420	
Seal ; Outer .....	473258	
Repair Sleeve; Outer .....	99138	

<b>CLUTCH</b>		
<b>Release Bearing</b>		
<b>1993-1989 4 Cyl 1.6L w/ 215mm Clutch</b>		
Bearing Assembly .....	614108	
<b>1992 4 Cyl 1.8L DOHC w/ 215mm Clutch</b>		
Bearing Assembly .....	614108	
<b>1989-1987 4 Cyl 1.5L Turbo w/ 215mm Clutch</b>		
Bearing Assembly .....	614108	

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
<b>1993-1985 (F3A)</b>		
Cone/Cup .....	32008	
<b>Output Shaft</b>		
<b>1993-1991 Stylus, Imark (F3A)</b>		
Seal .....	223542	
<b>1989-1985 Stylus, Imark (F3A)</b>		
Seal .....	223542	

<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Torque Converter</b>		
<b>1993-1985 (F3A)</b>		
Seal Viton .....	710078	

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
<b>1992-1990 Impulse (JF403)</b>		
Cone/Cup .....	30208	
<b>Torque Converter / Frt Pump</b>		
<b>1992-1990 Impulse (JF403)</b>		
Seal .....	710114	

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
<b>1993-1985 (MFD5M)</b>		
Cone/Cup .....	32008	
<b>1992-1990 (MFD5T)</b>		
Cone/Cup ; LH .....	32008	
<b>Output Shaft</b>		
<b>1993-1985 (MFD5M)</b>		
Seal ; RH .....	223542	
Cone/Cup ; RH .....	32206	
Cup/Cone; LH .....	A5	
<b>1992-1990 (MFD5T)</b>		
Repair Sleeve; LH .....	99139	
Seal ; LH .....	3543	
Seal Viton ; RH .....	710428	

<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1993-1985 (MFD5M, MFD5T)</b>		
Seal .....	3667	
<b>Input Shaft</b>		
<b>1993-1985 (MFD5M, MFD5T)</b>		
Cone/Cup ; Rr .....	30306	
Cone/Cup ; Frt .....	32206	
Repair Sleeve .....	222835	
Seal .....		

<b>ALTERNATOR</b>		
<b>1993-1988 Hitachi 60 Amp.</b>		
Ball Bearing ; Rear End .....	201CC	
Ball Bearing ; Drive End .....	303CC	
<b>1987-1981 Hitachi 60 Amp.</b>		
Ball Bearing ; Rear End .....	201CC	
Ball Bearing ; Drive End .....	203FF	
<b>1986-1981 Hitachi 40 Amp.</b>		
Ball Bearing ; Rear End .....	201CC	
Ball Bearing ; Drive End .....	203FF	
<b>1986-1981 Hitachi 50 Amp.</b>		
Ball Bearing ; Rear End .....	202FF	
Ball Bearing ; Drive End .....	303CC	
<b>1986-1981 Hitachi 55 Amp.</b>		
Ball Bearing ; Rear End .....	201CC	
Ball Bearing ; Drive End .....	203FF	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## ISUZU- FRONT DRIVE - I-Mark, Impulse, Impulse AWD, Stylus (cont.)

### CAMSHAFT SEAL

#### 4 Cylinder

1993-1989	1588cc/1.6L (DOHC)	
Seal .....		710308

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1993-1985	1471cc/1.5L, 1471cc/1.5L(Turbo), 1588cc/1.6L,1588cc/1.6L (DOHC), 1808CC/1.8L (DOHC)	
Seal .....		223220
1989-1981	1817cc/1.8L, 1994cc/2.0L	
Seal .....		224025

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1993-1985	1471cc/1.5L, 1471cc/1.5L(Turbo), 1588cc/1.6L,1588cc/1.6L (DOHC), 1808CC/1.8L (DOHC)	
Seal .....		228700

### OIL PUMP

#### 4 Cylinder

1989-1985	1471cc/1.5L	
Repair Sleeve .....		99157
Seal .....		224020

## ISUZU- REAR DRIVE - I-Mark, Impulse

### FRONT WHEEL

1989-1983	Impulse	
Seal ; Inner .....		239201
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1
1985-1981	I-Mark	
Seal ; Inner .....		710309
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1

### REAR WHEEL

1989-1985	Impulse (Exc. Turbo)	
Ball Bearing .....		RW127R
1989-1985	Impulse (Turbo)	
Ball Bearing .....		511018
Seal .....		1012N
1985-1981	I-Mark	
Ball Bearing .....		RW127R

### REAR AXLE

#### Differential

1989-1985	Impulse (Exc. Turbo)	
Cup/Cone .....		A35
1989-1985	Impulse (Turbo)	
Cup/Cone .....		A35

#### Pinion

1989-1985	Impulse (Exc. Turbo)	
Seal .....		225230
1989-1985	Impulse (Turbo)	
Repair Sleeve .....		99157
Seal .....		474133
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
1985-1981	I-Mark	
Seal ; Outer .....		225230

### DRIVESHAFT SUPPORT

1985-1981	I-Mark	
Ball Bearing .....		205FF

### CLUTCH

#### Pilot Bearing

1989-1981	4 Cyl 1817cc/1.8L, 1949cc/1.9L,1994cc/ 2.0L, 2254cc/ 2.3L	
Ball Bearing .....		203FF

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1985-1981	(Aisin 03 55, 03 56)	
Seal .....		710319

#### Torque Converter

1985-1981	(Aisin 03 55, 03 56)	
Repair Sleeve .....		223830
Seal .....		

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1989-1983	(Aisin 03 70, 03 72)	
Seal .....		710319

#### Torque Converter

1989-1983	(Aisin 03 70, 03 72)	
Repair Sleeve .....		223830
Seal .....		

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1985-1981	(MSG4A, MSG4K)	
Ball Bearing .....		1990
Repair Sleeve .....		
Seal .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## ISUZU- REAR DRIVE - I-Mark, Impulse (cont.)

### 4-SPEED MANUAL TRANSMISSION(cont)

#### Rear Output Shaft

1985-1981 (MSG4A, MSG4K)	
Seal .....	1987

#### Countershaft

1985-1981 (MSG4A)	
Ball Bearing ; Rr .....	5205KLE
1985-1981 (MSG4K)	
Ball Bearing ; Rr .....	204

### 5-SPEED MANUAL TRANSMISSION

#### Front Input Shaft

1989-1981 (MSG5A, MSG5B, MSG5K,MSG5R)	
Ball Bearing .....	1990
Repair Sleeve .....	
Seal .....	

#### Countershaft

1989-1981 (MSG5A, MSG5B, MSG5K,MSG5R)	
Ball Bearing ; Rr .....	204

#### Rear Countershaft

1989-1981 (MSG5B, MSG5K, MSG5R)	
Seal .....	1987
1987-1983 (MSG5A)	
Ball Bearing .....	RW122
Seal .....	1987

### ALTERNATOR

1989-1988 Hitachi 60 Amp.	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	303CC
1987-1981 Hitachi 60 Amp.	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	203FF
1986-1981 Hitachi 40 Amp.	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	203FF

### ALTERNATOR(cont)

1986-1981 Hitachi 50 Amp.	
Ball Bearing ; Rear End .....	202FF
Ball Bearing ; Drive End .....	303CC
1986-1981 Hitachi 55 Amp.	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	203FF

### CAMSHAFT SEAL

#### 4 Cylinder

1989-1985 1994cc/2.0L, 2254cc/2.3L	
Seal .....	223014

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1989-1981 1817cc/1.8L, 1994cc/2.0L,2254CC/ 2.3L	
Seal .....	224025
1987-1981 1817cc/1.9L, 1949cc/1.9L	
Seal Viton .....	225020

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1989-1985 1994cc/2.0L, 2254cc/2.3L	
Seal .....	710060
1987-1981 1817cc/1.8L, 1949cc/1.9L	
Seal .....	228480
1985-1981 1817cc/1.8L (Diesel)	
Repair Sleeve .....	99364
Seal .....	717005

## ISUZU TRUCK- MINIVAN, PICKUP, SUV - Amigo, Ascender, Axiom, Hombre, Oasis, Pickup, Rodeo, Rodeo Sport, Trooper, Trooper II, VehiCROSS

### FRONT WHEEL

#### 2WD

2006-2003 Ascender	
Hub Assembly .....	513188
2002 Axiom (Thru 10/31/01)	
Seal ; Inner .....	710168
2001-1995 Rodeo, Rodeo Sport	
Seal ; Inner .....	710168
2000-1998 Amigo	
Seal ; Inner .....	710168

### FRONT WHEEL(cont)

#### 2WD(cont)

2000-1996 Hombre	
Seal ; Inner .....	4739
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A34
1999-1996 Oasis	
Bearing Assm .....	510038
1996-1995 Trooper	
Seal ; Inner .....	710168

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ISUZU TRUCK- MINIVAN, PICKUP, SUV - Amigo, Ascender, Axiom, Hombre, Oasis, Pickup, Rodeo, Rodeo Sport, Trooper, Trooper II, VehiCROSS (cont.)</b>					

## FRONT WHEEL(cont)

### 2WD(cont)

<b>1994-1991 Rodeo</b>		
Cone/Cup ; Outer .....		32008
Seal ; Inner .....		710168
<b>1994-1989 Amigo</b>		
Cone/Cup ; Outer .....		32008
Cone/Cup ; Inner .....		32009XA
Seal ; Inner .....		710168
<b>1994-1988 Pup, Pickup</b>		
Seal ; Inner .....		1974
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>1994-1988 Trooper</b>		
Seal ; Inner .....		1974
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
<b>1987-1981 Pup, Pickup</b>		
Cone/Cup ; Outer .....		32304
Cone/Cup ; Inner .....		32206
Seal ; Inner .....		1949

### 4WD/AWD

<b>2006-2003 Ascender</b>		
Hub Assembly .....		513188
<b>2004-2002 Axiom (From 11/1/01)</b>		
Hub Assembly .....		513166
<b>2004-2002 Rodeo, Rodeo Sport</b>		
Hub Assembly .....		513166
<b>2002 Axiom (Thru 10/31/01)</b>		
Seal ; Inner .....		710168
<b>2002-1988 Trooper</b>		
Seal ; Inner .....		710168
<b>2001-1999 VehiCROSS</b>		
Seal ; Inner .....		710168
<b>2001-1995 Rodeo, Rodeo Sport</b>		
Seal ; Inner .....		710168
<b>2000-1998 Amigo</b>		
Seal ; Inner .....		710168
<b>2000-1998 Hombre</b>		
Hub Assembly .....		513124
<b>1994-1991 Rodeo</b>		
Cone/Cup ; Outer .....		32008
Cone/Cup ; Inner .....		32009XA
Seal ; Inner .....		710168
<b>1994-1989 Amigo</b>		
Cone/Cup ; Outer .....		32008
Cone/Cup ; Inner .....		32009XA
Seal ; Inner .....		710168
<b>1994-1988 Pickup</b>		
Cone/Cup ; Outer .....		32008
Cone/Cup ; Inner .....		32009XA
Seal ; Inner .....		710168
<b>1987-1986 Trooper (From 2/1/86)</b>		
Cone/Cup ; Inner .....		32008
Seal ; Inner .....		471950

## FRONT WHEEL(cont)

### 4WD/AWD(cont)

<b>1987-1983 Pickup</b>		
Cone/Cup ; Inner .....		32008
Seal ; Inner .....		471950
<b>1986-1984 Trooper (Thru 1/31/86)</b>		
Cone/Cup ; Inner .....		32008
<b>1982 Pickup</b>		
Cone/Cup ; Inner .....		32008
<b>1981 Pickup</b>		
Cone/Cup ; Inner .....		32008
Seal ; Inner .....		1960

## REAR WHEEL

<b>2006-2003 Ascender</b>		
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>
<b>2004-1998 Amigo, Axiom, Rodeo, Rodeo Sport</b>		
Ball Bearing .....		RW131R
Seal .....		9912
<b>2002-1988 Trooper, Trooper II (From 7/1/87), VehiCROSS</b>		
Seal ; Inner .....		225230
Seal ; Outer .....		473179
Ball Bearing ; Inner .....		511016
<b>2000-1996 Hombre (GM Axle) (7.625" R.G.)</b>		
Cyl. Bearing .....		5707
<b>1999-1996 Oasis</b>		
Hub Assembly .....		512124
<b>1997-1991 Rodeo (GM Axle) (7.625" R.G.)</b>		
Seal .....		710166
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
<b>1995-1994 Rodeo (6 Cyl.)</b>		
Seal .....		9912
Wheel Brg .....		A10
<b>1995-1988 Pickup (2.3L)</b>		
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		473812
Seal ; Outer .....		473179
<b>1995-1988 Pickup (2.6L)</b>		
Seal ; Inner .....		225230
Seal ; Outer .....		473179
Ball Bearing ; Inner .....		511016
<b>1994-1989 Amigo (2.6L)</b>		
Seal ; Inner .....		225230
Seal ; Outer .....		473179
Ball Bearing ; Inner .....		511016
<b>1993-1989 Amigo (2.3L)</b>		
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		473812
Seal ; Outer .....		473179

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ISUZU TRUCK- MINIVAN, PICKUP, SUV - Amigo, Ascender, Axiom, Hombre, Oasis, Pickup, Rodeo, Rodeo Sport, Trooper, Trooper II, VehiCROSS (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>1987-1984</b>	<b>Trooper, Trooper II (Thru 6/30/87)</b>	
Cone/Cup .....		30208
Seal ; Inner .....		225230
Seal ; Outer .....		473179
<b>1987-1981</b>	<b>Pickup</b>	
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		473812
Seal ; Outer .....		1994

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
<b>2005-2003</b>	<b>Ascender</b>	
Cup/Cone .....		A18
<b>2004-1988</b>	<b>(10 Bolt Hsg. Cover)</b>	
Cup/Cone .....		A35
<b>2000-1998</b>	<b>Hombre (7.25" R.G.)</b>	
Cup/Cone .....		A18
<b>1999-1996</b>	<b>Oasis</b>	
Cone/Cup ; LH .....		30208
<b>1989-1981</b>	<b>(8 Bolt Hsg. Cover)</b>	
Cup/Cone .....		A5

<b>Pinion</b>		
<b>2005-2003</b>	<b>Ascender</b>	
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M88048-M88010	
<b>2004-1999</b>	<b>(10 Bolt Hsg. Cover)</b>	
Seal .....		710513
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
<b>2000-1998</b>	<b>Hombre (7.25" R.G.)</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M88047-M88010	
<b>1998-1988</b>	<b>(10 Bolt Hsg. Cover)</b>	
Repair Sleeve .....		99157
Seal .....		474133
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
<b>1987-1981</b>	<b>(8 Bolt Hsg. Cover)</b>	
Seal .....		471847N
Cone/Cup ; Outer .....		30305
Cone/Cup ; Inner .....		02475-02420

<b>Axle Shaft</b>		
<b>2008-2003</b>	<b>AAM ICA-7.25" R.G.</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		HK4012
Needle Bearing; Inner .....		
<b>2002-1996</b>	<b>Amigo, Axiom, Rodeo, Trooper, Vehicross</b>	
Seal .....		710516

<b>4WD FRONT AXLE(cont)</b>		
<b>Axle Shaft(cont)</b>		
<b>2000-1998</b>	<b>AAM ICA-7.25" R.G.</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		HK4012
Needle Bearing; Inner .....		
<b>1995-1994</b>	<b>Amigo, Pickup, Rodeo, Trooper, Trooper I</b>	
Seal ; Inner .....		710169
Ball Bearing ; Inner .....		
<b>1993-1988</b>	<b>Amigo, Pickup, Rodeo, Trooper, Trooper I</b>	
Seal ; Inner .....		710169
Seal ; Outer .....		710170
Ball Bearing ; Inner .....		
<b>1987-1981</b>	<b>pickup, Trooper II</b>	
Seal ; Inner .....		710169
Seal ; Outer .....		710443
Ball Bearing ; Inner .....		105FL1

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2005-2003</b>	<b>Ascender</b>	
Cup/Cone .....		A36
<b>2004-1993</b>	<b>(Dana/Spicer 44-3 Axle)</b>	
Cone/Cup .....		25590-25523
<b>2000-1999</b>	<b>(7.625", 8.50" R.G.)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1999-1985</b>	<b>(KS22, NPR, R040, Axles)</b>	
Cone/Cup .....		29590-29522
<b>1998-1996</b>	<b>Hombre (GM Axle) (7.625" R.G.)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1995-1988</b>	<b>(10 Bolt Hsg. Cover) (2.6L Engine)</b>	
Cone/Cup .....		30210
<b>1994-1988</b>	<b>(10 Bolt Hsg. Cover) (2.3L Engine)</b>	
Cup/Cone .....		A35
<b>1987-1981</b>	<b>(10 Bolt Hsg. Cover)</b>	
Cup/Cone .....		A35

<b>Pinion</b>		
<b>2005-2003</b>	<b>Ascender (5 Passenger) (Exc.Limited Sli)</b>	
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M802048-M802011	
<b>2005-2003</b>	<b>Ascender (5 Passenger) (LimitedSlip)</b>	
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M802048-M802011	
<b>2005-2003</b>	<b>Ascender (7 Passenger) (Exc.Limited Sli)</b>	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>2005-2003</b>	<b>Ascender (7 Passenger) (LimitedSlip)</b>	
Cone/Cup ; Outer .....	M88048-M88010	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ISUZU TRUCK- MINIVAN, PICKUP, SUV - Amigo, Ascender, Axiom, Hombre, Oasis, Pickup, Rodeo, Rodeo Sport, Trooper, Trooper II, VehiCROSS (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

<b>2004-1998 (GM Axle) (8.50" R.G.)</b>		
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1996-1991 Rodeo (GM Axle) (7.625" R.G.)</b>		
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
<b>1995-1990 Pickup (GM Axle) (7.625" R.G.)</b>		
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM89249-HM89210	
<b>1988-1984 Trooper II</b>		
Repair Sleeve .....		99157
Seal .....		474133
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
<b>1987-1981 Pup, Pickup</b>		
Repair Sleeve .....		99157
Seal .....		474133
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307

## DRIVESHAFT SUPPORT

<b>2000-1996 (Spicer 1280 1410) (1.3780" Brg.I.D.)</b>		
Ball Bearing .....		88107

## CLUTCH

### Pilot Bearing

<b>1997-1996 4 Cyl 2.2L</b>		
Bushing .....		PB652HD
<b>1995-1981 4 Cyl</b>		
Ball Bearing .....		203FF
<b>1994-1991 6 Cyl 3165cc/3.1L</b>		
Bushing .....		PB652HD
<b>1991-1989 6 Cyl 2877cc/2.8L</b>		
Bushing .....		PB652HD

### Release Bearing

<b>1999-1998 4 Cyl 2.2L w/ 260mm Clutch</b>		
Bearing Assembly .....		614154
<b>1998 6 Cyl 3.5L w/ 260mm Clutch</b>		
Bearing Assembly .....		614154
<b>1998-1996 4 Cyl 2.2L w/ Hydraulic Clutch</b>		
Bearing Assembly .....		614174
<b>1998-1992 6 Cyl 3.2L w/ 260mm Clutch</b>		
Bearing Assembly .....		614154
<b>1997-1993 4 Cyl 2.6L w/ 260mm Clutch (MUA Trans)</b>		
Bearing Assembly .....		614154
<b>1997-1993 4 Cyl 2.6L w/ 260mm Clutch (Warner Trans)</b>		
Bearing Assembly .....		614163

## CLUTCH(cont)

### Release Bearing(cont)

<b>1997-1993 6 Cyl 3.2L w/ 240mm Clutch</b>		
Bearing Assembly .....		614163
<b>1995-1988 4 Cyl 2.6L w/ 246mm Clutch</b>		
Bearing Only .....		613012
<b>1995-1986 4 Cyl 2.3L w/ 215mm Clutch</b>		
Bearing Only .....		01496
<b>1994-1991 6 Cyl 3.1L w/ 246mm Clutch</b>		
Bearing Only .....		613012
<b>1994-1991 6 Cyl 3.1L w/ 260mm Clutch</b>		
Bearing Assembly .....		614154
<b>1992-1991 6 Cyl 3.1L w/ 240mm Clutch (MUA Trans.)</b>		
Bearing Only .....		613012
<b>1992-1991 6 Cyl 3.1L w/ 240mm Clutch (Warner Trans)</b>		
Bearing Assembly .....		614083
<b>1991-1989 6 Cyl 2.8L w/ 235mm Clutch</b>		
Bearing Only .....		613012

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1987-1983 (Aisin 03 55, 03 56)</b>		
Seal .....		710319
<b>1982-1981 (THM2004R)</b>		
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

<b>1982-1981 (THM2004R)</b>		
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>1987-1983 (Aisin 03 55, 03 56)</b>		
Repair Sleeve .....		223830
Seal .....		
<b>1982-1981 (THM2004R)</b>		
Repair Sleeve .....		99174
Seal .....		3227

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2002-1991 (4L30E) (4L60E) (THM700R4)</b>		
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>2001-1999 VehiCROSS</b>		
Repair Sleeve .....		99157
Seal .....		3459
<b>2000-1993 (4L80E)</b>		
Seal .....		9449
Seal Kit .....		5208

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ISUZU TRUCK- MINIVAN, PICKUP, SUV - Amigo, Ascender, Axiom, Hombre, Oasis, Pickup, Rodeo, Rodeo Sport, Trooper, Trooper II, VehiCROSS (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

<b>Rear Seal/Ext. Housing(cont)</b>		
1998-1991	Trooper	
	Repair Sleeve .....	99157
	Seal .....	3459
1994-1988	(Aisin 03 75, 03 80)	
	Seal .....	710319
<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1991	(4L30E) (4L60E) (4L80E) (THM700 R4)	
	Repair Sleeve .....	8792S
	Seal .....	
<b>Torque Converter</b>		
2002	Axiom	
	Repair Sleeve .....	99157
	Seal .....	3459
2002-1991	(4L30E) (THM700R4)	
	Repair Sleeve .....	99174
	Seal .....	3227
2000-1996	(4L60, 4L60E, 4L65E)	
	Repair Sleeve .....	99174
	Seal .....	4950
2000-1993	(4L80E)	
	Repair Sleeve .....	99199
	Seal .....	4598
1994-1988	(Aisin 03 75, 03 80)	
	Repair Sleeve .....	223830
	Seal .....	

## 5-SPEED MANUAL TRANSMISSION

<b>Front Input Shaft</b>		
2002-1992	(MUA5C, MUA5CT)	
	Seal .....	710511
2000-1997	(New Process 3500)	
	Ball Bearing .....	307FFL5
	Repair Sleeve .....	99138
	Seal .....	4529N
2000-1996	(New Process 1500)	
	Ball Bearing .....	223020
	Seal .....	
1999-1998	(Warner T5)	
	Repair Sleeve .....	99125
	Seal .....	7412S
	Cup/Cone .....	A5
1994-1991	(Warner T5)	
	Repair Sleeve .....	99125
	Seal .....	7412S
	Cup/Cone .....	A5
1994-1981	(MSG5A, MAG5C, MSG5T)	
	Ball Bearing .....	1990
	Repair Sleeve .....	
	Seal .....	

## 5-SPEED MANUAL TRANSMISSION(cont)

<b>Front Input Shaft(cont)</b>		
1993-1987	(MSA5D, MSG5D, MSG5R)	
	Repair Sleeve .....	1990
	Seal .....	
1991-1989	(MUA5, MUA5T)	
	Seal .....	710157
1988	(MSG5E, MSG5D)	
	Ball Bearing .....	710157
	Seal .....	
1986	(MSG5D, MSG5R)	
	Repair Sleeve .....	1990
	Seal .....	
<b>Rear Output Shaft</b>		
2002-1989	(MUA5T, MUA5CT)	
	Seal .....	224250
2002-1988	(MUA5, MSG5C, MUA5C, MSG5F)	
	Seal .....	710247
2000-1997	(New Process 3500)	
	Ball Bearing .....	416288
	Seal .....	
2000-1996	(New Process 1500)	
	Ball Bearing .....	306L
	Seal .....	416288
1999-1991	(Warner T5)	
	Cone/Cup .....	25877-25821
	Seal .....	710441
1993-1987	(MSA5D)	
	Ball Bearing .....	308FFL
1987-1986	(MSG5D, MSG5R, MSG5T)	
	Seal .....	1987
1987-1983	(MSG5A)	
	Seal .....	1987
1985-1981	(MSG5T)	
	Seal .....	1987
<b>Countershaft</b>		
1999-1998	(Warner T5)	
	Cone/Cup ; Frt .....	A6
	Cup/Cone; Rr .....	
1994-1991	(Warner T5)	
	Cone/Cup ; Frt .....	A6
	Cup/Cone; Rr .....	
1987-1981	(MSG5A, MSG5T)	
	Ball Bearing ; Rr .....	204
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1997-1996	(MPJA)	
	Cone/Cup ; LH .....	30208
<b>Pinion</b>		
1997-1996	(MPJA)	
	Seal .....	222830
<b>Torque Converter / Frt Pump</b>		
1999-1996	(MDWA, MPJA)	
	Seal .....	350609

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ISUZU TRUCK- MINIVAN, PICKUP, SUV - Amigo, Ascender, Axiom, Hombre, Oasis, Pickup, Rodeo, Rodeo Sport, Trooper, Trooper II, VehiCROSS (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft

<b>1999-1998 (MDWA)</b>		
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99139
Seal ; RH .....	224066	
Seal ; LH .....	710315	
<b>1997-1996 (MPJA)</b>		
Repair Sleeve; RH .....		99157
Seal ; RH .....	224066	
Seal ; LH .....	2007N	

### Selector Shaft Seal/Man. Shaft

<b>1997-1996 (MPJA)</b>		
Repair Sleeve .....	221207	
Seal .....		

### Input Shaft

<b>1999-1996 (MDWA, MPJA)</b>		
Seal .....	220918	

## CV JOINT HALF SHAFT

<b>1999-1996 Oasis</b>		
Seal .....	710300	

## TRANSFER CASE

### Input Shaft

<b>2000-1998 (New Process 233)</b>		
Ball Bearing .....	110L	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1994-1988 All</b>		
Ball Bearing .....	207	
Seal .....	710247	
<b>1987-1981 All</b>		
Repair Sleeve .....	1990	
Seal .....		

### Front Output Shaft

<b>2000-1998 (New Process 233)</b>		
Ball Bearing .....	206	
Seal Viton .....	4813V	
<b>1987-1981 All</b>		
Seal ; Frt .....	224045	
Ball Bearing ; Frt .....	206	
Ball Bearing ; Rr .....	305L	

### Rear Output Shaft

<b>2000-1998 (New Process 233)</b>		
Ball Bearing .....	206	
Repair Sleeve .....	99149	
Seal .....	9613S	
Seal Kit .....	5200	
<b>1994-1988 All</b>		
Ball Bearing .....	307	
<b>1987-1981 All</b>		
Ball Bearing .....	307L	
Seal .....	471689	

## TRANSFER CASE(cont)

### Oil Pump Housing

<b>2000-1998 (New Process 233)</b>		
Repair Sleeve .....		99225
Seal .....		341022

## ALTERNATOR

<b>1995-1988 Hitachi 60 Amp.</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
<b>1987-1981 Hitachi 60 Amp.</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF
<b>1986-1981 Hitachi 40 Amp.</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF
<b>1986-1981 Hitachi 50 Amp.</b>		
Ball Bearing ; Rear End .....		202FF
Ball Bearing ; Drive End .....		303CC
<b>1986-1981 Hitachi 55 Amp.</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF

## CAMSHAFT SEAL

### 4 Cylinder

<b>2003-2000 2180cc/2.2L (DOHC)</b>		
Seal .....		710515
<b>2000 2180cc/2.2L (OHV)</b>		
Seal .....		712008
<b>1997-1986 2254cc/2.3L, 2559cc/2.6L</b>		
Seal .....		223014
<b>1987-1981 2238cc/2.2L (Diesel)</b>		
Repair Sleeve .....		224205
Seal .....		

### 6 Cylinder

<b>2004-1992 3165cc/3.2L, 3494cc/3.5L</b>		
Seal .....		223014
<b>2000 4294cc/4.3L</b>		
Seal .....		712008

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

<b>2000-1996 134/2.2L</b>		
Repair Sleeve .....		99176
Seal .....		9845
<b>1999-1998 2254cc/2.3L</b>		
Seal .....		224015
<b>1997-1996 2156cc/2.2L</b>		
Seal .....		224015
<b>1997-1986 2254cc/2.3L, 2559cc/2.6L</b>		
Seal .....		224025
<b>1987-1981 1817cc/1.9L, 1949cc/1.9L</b>		
Seal Viton .....		225020

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ISUZU TRUCK- MINIVAN, PICKUP, SUV - Amigo, Ascender, Axiom, Hombre, Oasis, Pickup, Rodeo, Rodeo Sport, Trooper, Trooper II, VehiCROSS (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1987-1981	2238cc/2.2L (Diesel)	
	Repair Sleeve .....	99254
	Seal .....	712005
<b>6 Cylinder</b>		
2004-2000	3.2L, 3.5L	
	Repair Sleeve .....	99157
	Seal .....	224020
2000	4294cc/4.3L	
	Repair Sleeve .....	99176
	Seal .....	9845
1999-1992	3165cc/3.2L, 3494cc/3.5L	
	Seal .....	224025
1994-1989	173/2.8L, 189/3.1L	
	Repair Sleeve .....	99176
	Seal .....	9845

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2003-1998	2180cc/2.2L (DOHC)	
	Seal .....	710237
2000-1996	2180cc/2.2L (OHV)	
	Repair Sleeve .....	99298
	Seal .....	4307V
	Seal PTFE H/D .....	5273
1999-1996	2156cc/2.2L, 2254cc/2.3L	
	Seal .....	228015
1997-1986	2254cc/2.3L, 2559cc/2.6L	
	Seal .....	710060
1989-1986	1994cc/2.0L, 2254cc/2.3L	
	Seal .....	710060

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1987-1981	1817cc/1.9L, 1949cc/1.9L, 2238cc/2.2L	
	Seal .....	228480
1982-1981	1817cc/1.8L	
	Repair Sleeve .....	99364
	Seal .....	717005
<b>6 Cylinder</b>		
2004-2003	3491cc/3.5L	
	Seal .....	710060
2004-1992	3165cc/3.2L	
	Seal .....	710060
2002-1998	3475cc/3.5L	
	Seal .....	710060
2000-1997	262ci/4.3L	
	Seal Viton .....	4359V
	Repair Sleeve .....	99364
	Seal PTFE H/D .....	
1994-1989	173/2.8L, 189/3.1L	
	Repair Sleeve .....	99298
	Seal .....	4307V
	Seal PTFE H/D .....	5273

## ISUZU TRUCK- MEDIUM DUTY - EVR, FRR, FSR, FTR, FVR, NRR

<b>FRONT WHEEL</b>		
1998-1997	FRR	
	Cone/Cup ; Outer .....	513045
	Cone/Cup ; Inner .....	710087
	Seal ; Inner .....	
1998-1997	FSR	
	Cone/Cup ; Outer .....	32207
	Cone/Cup ; Inner .....	JM205149-JM205110
	Seal Viton ; Inner .....	370199A <sup>21</sup>
1998-1997	FTR	
	Cone/Cup ; Outer .....	33208
	Seal ; Inner .....	370211A <sup>21</sup>
1998-1997	FVR (11,000 lb. Axle)	
	Cone/Cup ; Outer .....	33208
	Seal ; Inner .....	370211A <sup>21</sup>

<b>FRONT WHEEL(cont)</b>		
1998-1997	FVR (12,000 lb., 14,600 lb. Axle)	
	Cone/Cup ; Outer .....	JM205149-JM205110
	Seal Viton ; Inner .....	370212A <sup>21</sup>
1996-1989	FTR (Air Brks.)	
	Cone/Cup ; Outer .....	710084
	Cone/Cup ; Inner .....	
	Seal ; Inner .....	
1996-1988	FRR	
	Cone/Cup ; Outer .....	513045
	Cone/Cup ; Inner .....	710087
	Seal ; Inner .....	

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## ISUZU TRUCK- MEDIUM DUTY - EVR, FRR, FSR, FTR, FVR, NRR (cont.)

### FRONT WHEEL(cont)

<b>1996-1988 FSR</b>		
Cone/Cup ; Outer .....	513045	
Cone/Cup ; Inner .....	710087	
Seal ; Inner .....		
<b>1996-1987 FTR (Air/Hyd.Brks.)</b>		
Cone/Cup ; Outer .....	HD202	
Cone/Cup ; Inner .....	710088	
Seal ; Inner .....		
<b>1996-1987 FVR</b>		
Cone/Cup ; Outer .....	710084	
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1994-1988 NRR</b>		
Cone/Cup ; Outer .....	513045	
Seal ; Inner .....	710087	
<b>1991-1989 EVR</b>		
Cone/Cup ; Outer .....	710084	
Cone/Cup ; Inner .....		
Seal ; Inner .....		

### REAR WHEEL

<b>1998-1997 FRR</b>		
Cone/Cup ; Inner .....	32215	
Seal ; Inner .....	710085	
Seal ; Outer .....	710086	
<b>1998-1997 FSR (Spicer S150S Axle)</b>		
Cone/Cup ; Outer .....	3982-3920	
Cone/Cup ; Inner .....	33287-33462	
Seal ; Inner .....	370008A <sup>21</sup>	
<b>1996-1990 FRR</b>		
Cone/Cup ; Inner .....	32215	
Seal ; Inner .....	710085	
Seal ; Outer .....	710086	
<b>1996-1990 FSR</b>		
Cone/Cup ; Inner .....	32215	
Seal ; Inner .....	710085	
Seal ; Outer .....	710086	

### REAR WHEEL(cont)

<b>1996-1987 FTR (Isuzu R094 Axle)</b>		
Cone/Cup ; Outer .....	32215	
Cone/Cup ; Inner .....	32216	
Seal ; Inner .....	710278	
Seal ; Outer .....	710277	
<b>1994-1988 NRR</b>		
Cone/Cup ; Inner .....	32215	
Seal ; Inner .....	710085	
Seal ; Outer .....	710086	
<b>1994-1987 FVR</b>		
Seal ; Inner .....	710089	
Seal ; Outer .....	710090	
<b>1991-1989 EVR</b>		
Seal ; Inner .....	710089	
Seal ; Outer .....	710090	

### CLUTCH

#### Pilot Bearing

<b>1999-1987 All</b>		
Ball Bearing .....	205FF	

#### Release Bearing

<b>1998-1995 6 Cyl 7.1L Turbo Diesel w/ 380mm Clutch</b>		
Bearing Only .....	613014	
<b>1998-1995 6 Cyl 7.1L Turbo Diesel, w/ 355mm Clutch</b>		
Bearing Only .....	613011	
<b>1994-1987 All</b>		
Bearing Assembly .....	614009	

## IVECO TRUCK- LIGHT DUTY - Z100, Z110, 1014AS, 110, 120TA, 1211, 1212, 1214, 1214AS, 1216AS, 1314, 1314AS

### FRONT WHEEL

<b>1991-1982 All</b>		
Cone/Cup ; Outer .....	30307	
Cone/Cup ; Inner .....	30309	
Seal ; Inner .....	227540	

### REAR WHEEL

<b>1991-1989 1014AS, 1211, 1213, 1214AS, 1216AS, 1314, 1314AS</b>		
Cone/Cup ; Outer .....	30214	
Cone/Cup ; Inner .....	30214	
<b>1989 1214 (M/T)</b>		
Cone/Cup ; Outer .....	30214	
Cone/Cup ; Inner .....	30214	

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>IVECO TRUCK- MEDIUM DUTY - 200, 300, 400, 1500, 1800</b>					

<b>FRONT WHEEL</b>			<b>REAR WHEEL</b>		
1991-1983	All		1989-1985	Z340T, 335T, 340T, 435T, 450T	
	Cone/Cup ; Outer .....	30307		Cone/Cup ; Outer .....	3984-3920
	Cone/Cup ; Inner .....	30309		Cone/Cup ; Inner .....	HD216
	Seal ; Inner .....	227540			

## **JAGUAR- Mark V, Mark VII, Mark VIII, MK V, SS100, S-Type, Super V8, Vanden Plas, XF, XJ12, XJ6, XJ8, XJR, XJRS, XJS, XK, XK8, XKR, X-Type**

<b>FRONT WHEEL</b>			<b>REAR WHEEL(cont)</b>		
2006-1999	XK8, XKR		1992-1988	XJ6, Sovereign, Vanden Plas	
	Ball Bearing .....	510010		Cone/Cup ; Outer .....	LM503349A-LM503310
2003-1999	XJ8, XJR			Cup/Cone; Inner .....	A35
	Ball Bearing .....	510010	1987-1980	XJ6, XJ12, XJS, Sovereign, Vanden Plas	
1998-1997	XK8			Cone/Cup ; Outer .....	18690-18620
	Ball Bearing .....	513058		Cone/Cup ; Inner .....	18590-18520
1997-1996	Vanden Plas		<b>REAR AXLE</b>		
	Cup/Cone; Inner .....	A17	<b>Differential</b>		
	Cup/Cone; Outer .....	A15	1991-1980	4HU	
1997-1988	XJ6			Cone/Cup .....	25577-25523
	Cup/Cone; Inner .....	A17	<b>Pinion</b>		
	Cup/Cone; Outer .....	A15	1988-1980	XJ6 Ser.	
1996-1993	XJS			Cone/Cup ; Outer .....	HM89446-HM89410
	Cup/Cone; Inner .....	A17		Cone/Cup ; Inner .....	M88043-M88010
	Cup/Cone; Outer .....	A15	1988-1980	XJS Ser.	
1992-1988	XJS			Cone/Cup ; Outer .....	HM89446-HM89410
	Seal ; Inner .....	473454		Cone/Cup ; Inner .....	M88043-M88010
	Cup/Cone; Inner .....	A13	<b>Axle Shaft</b>		
	Cup/Cone; Outer .....	A12	1996-1980	(Salisbury axle)	
1987-1981	XJ12			Cup/Cone .....	A17
	Seal .....	473454	<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
1987-1980	XJ6		<b>Rear Seal/Ext. Housing</b>		
	Seal ; Inner .....	473454	1989-1980	(THM400)	
	Cup/Cone; Inner .....	A13		Seal .....	9449
	Cup/Cone; Outer .....	A12		Seal Kit .....	5208
1987-1980	XJS		<b>Selector Shaft Seal/Man. Shaft</b>		
	Seal ; Inner .....	481195	1989-1980	(THM400)	
	Cup/Cone; Inner .....	A17		Repair Sleeve .....	8792S
	Cup/Cone; Outer .....	A12		Seal .....	
<b>REAR WHEEL</b>			<b>Torque Converter</b>		
2005-2000	S Type		1989-1980	(THM400)	
	Ball Bearing .....	511032		Repair Sleeve .....	99187
2004	XJ8, XJR			Seal .....	6712NA
	Ball Bearing .....	RW131R	1987-1980	(Borg Warner T65, T66)	
2003-1993	XJ6, XJ12, XJR, XJS, XJ8, XK8, Vanden Plas			Seal .....	480479H
	Cone/Cup ; Outer .....	LM503349A-LM503310			
	Cup/Cone; Inner .....	A35			
1992-1988	XJ12, XJS				
	Cone/Cup ; Outer .....	18690-18620			
	Cone/Cup ; Inner .....	18590-18520			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JAGUAR- Mark V, Mark VII, Mark VIII, MK V, SS100, S-Type, Super V8, Vanden Plas, XF, XJ12, XJ6, XJ8, XJR, XJRS, XJS, XK, XK8, XKR, X-Type (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1995-1994 (4L80E)	
Seal .....	9449
Seal Kit .....	5208
1995-1987 (ZF 4HP 22, ZF 4HP 24)	
Seal .....	224045

### Selector Shaft Seal/Man. Shaft

1995-1994 (4L80E)	
Repair Sleeve .....	8792S
Seal .....	

### Torque Converter

1995-1994 (4L80E)	
Repair Sleeve .....	99199
Seal .....	4598
1995-1987 (ZF 4HP 22, ZF 4HP 24)	
Seal .....	224052

## 5-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1997 (ZF 5HP 24)	
Seal .....	224045

### Torque Converter

2002-1997 (ZF 5HP 24)	
Seal .....	224015

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1983-1980 Rover CL	
Cone/Cup .....	15123-15245

### Rear Output Shaft

1983-1980 Rover CL	
Cup/Cone; Inner .....	A1
Cup/Cone; Outer .....	A6

### Countershaft

1987-1980 Rover CL	
Cup/Cone .....	A4

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

2002-2000 181/3.0L (DOHC)	
Repair Sleeve .....	99187
Seal .....	482041N
1987-1980 4230cc/4.2L	
Seal .....	472492

### 12 Cylinder

1996-1980 5343cc/5.3L, 5994cc/6.0L	
Seal .....	450867

## CRANKSHAFT REAR SEAL

### 6 Cylinder

2003-2000 2497cc/2.5L, 2967cc/3.0L	
Seal Viton .....	3909
Repair Sleeve .....	99363
Seal PTFE H/D .....	

# JEEP- Commander

## REAR WHEEL

2008-2006 All	
Hub Assembly .....	512302

## 4WD FRONT AXLE

### Pinion

2006 All	
Cone/Cup ; Outer .....	M88043-M88010
Cone/Cup ; Inner .....	HM803146-HM803110

## REAR AXLE

### Differential

2006 (8.25" R.G.)	
Cup/Cone .....	A36

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## JEEP- Commander (cont.)

### REAR AXLE(cont)

#### Pinion

2006	(8.25" R.G.)	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M802048-M802011	

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2006	226/3.7L	
Seal .....		231004

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder

2006	All	
Seal .....		231004

## JEEP- FULL-SIZE WAGONEER, Grand Wagoneer, Wagoneer, Wagoneer Limited

### FRONT WHEEL

#### 4WD/AWD

1991-1980	All	
Cone/Cup ; Inner .....	LM104949-JLM104910	
Seal ; Inner .....		471271
Cup/Cone; Outer .....		A35

### REAR WHEEL

<b>1993-1990</b>	<b>(Dana/Spicer 35 Axle)</b>	
Cyl. Bearing .....		5707
<b>1993-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Seal ; Inner .....		481837
Seal ; Outer .....		9912
Wheel Brg; Inner .....		A10
<b>1989-1988</b>	<b>(Dana/Spicer 35 Axle)</b>	
Seal ; Inner .....		473212
Seal ; Outer .....		2146
Wheel Brg; Inner .....		A9
<b>1987-1984</b>	<b>(Dana/Spicer 35 Axle)</b>	
Seal ; Inner .....		473214
Seal ; Outer .....		2146
Wheel Brg; Inner .....		A9

### 4WD FRONT AXLE

#### Differential

<b>1991-1984</b>	<b>(Dana/Spicer 30 Axle)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1991-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....		25590-25523

#### Pinion

<b>1991-1984</b>	<b>(Dana/Spicer 30 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....	HM88649-HM88610	

### 4WD FRONT AXLE(cont)

#### Pinion(cont)

1991-1980	(Dana/Spicer 44 Axle)	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31594-31520

#### Spindle

1991-1980	All	
Seal ; Inner .....		722108
Seal ; Outer .....		722109

### REAR AXLE

#### Differential

<b>1991-1986</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....		25590-25523
<b>1985-1984</b>	<b>All</b>	
Cup/Cone .....		A36

#### Pinion

<b>1991-1986</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31594-31520
<b>1985-1984</b>	<b>All</b>	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1991-1980</b>	<b>(A727)</b>	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
<b>1986-1984</b>	<b>(A904, A999, 30RH)</b>	
Ball Bearing .....		2506
Seal .....		

#### Selector Shaft Seal/Man. Shaft

<b>1991-1984</b>	<b>(A904, A999, 30RH, 31RH,32RH)</b>	
Seal .....		8609

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- FULL-SIZE WAGONEER, Grand Wagoneer, Wagoneer, Wagoneer Limited</b>					
<b>(cont.)</b>					

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter

1991-1980 (A727)	
Seal .....	331227H

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1991-1987 (Aisin 03 40) (4WD)	
Seal .....	225005
Seal .....	710319

### Selector Shaft Seal/Man. Shaft

1991-1987 (Aisin 03 40)	
Repair Sleeve .....	221207
Seal .....	

### Torque Converter

1993 (A518, 46RH)	
Seal .....	331227H
1991-1987 (Aisin 03 40)	
Repair Sleeve .....	223830
Seal .....	

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1991-1984 (Aisin AX4)	
Repair Sleeve .....	99114
Seal .....	1981
1988-1980 (Tremec 176, 177, 178)	
Ball Bearing .....	209L
Repair Sleeve .....	99112
Seal .....	3638
1986-1982 (Warner T4)	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5
1986-1980 (Warner T18)	
Ball Bearing .....	308L1
Repair Sleeve .....	99125
Seal .....	7412S

### Rear Output Shaft

1991-1984 (Aisin AX4)	
Ball Bearing .....	205
Seal .....	1209
Seal .....	710319
1988-1980 (Tremec 176, 177, 178)	
Ball Bearing .....	308L
Repair Sleeve .....	99193
Seal .....	3173
1986-1982 (Warner T4)	
Cone/Cup .....	25877-25821
Seal .....	472439

## 4-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft(cont)

1986-1980 (Warner T18) (10 splines) (3.066"O.D.)	
Ball Bearing .....	1308L
Seal .....	473468
1986-1980 (Warner T18) (31 splines) (2.381"O.D.)	
Ball Bearing .....	1308L
Repair Sleeve .....	99149
Seal .....	9613S

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1991-1990 (Aisin AX15)	
Seal .....	223253
1991-1984 (Aisin AX5)	
Repair Sleeve .....	99114
Seal .....	1981
1990-1987 (Peugeot BA10/5)	
Seal Viton .....	710164
1986-1982 (Warner T5)	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5

### Rear Output Shaft

1991-1989 (Aisin AX15)	
Seal .....	1209
Seal .....	710319
1991-1984 (Aisin AX5)	
Ball Bearing .....	205
Seal .....	1209
Seal .....	710319
1989-1987 (Peugeot BA10/5)	
Seal .....	710319
1986-1982 (Warner T5) (23 spline)	
Cone/Cup .....	25877-25821
Seal .....	472439
1986-1982 (Warner T5) (26 spline)	
Cone/Cup .....	25877-25821
Seal .....	2506

### Rear Countershaft

1991-1984 (Aisin AX5)	
Ball Bearing ; Rr .....	204

## TRANSFER CASE

### Input Shaft

1993-1986 (New Process 242, 249) (1st design)	
Ball Bearing .....	N5210KLB
Repair Sleeve .....	99193
Seal .....	3173
1991-1986 (New Process 231)	
Ball Bearing .....	N5210KLB
Repair Sleeve .....	99193
Seal .....	3173

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- FULL-SIZE WAGONEER, Grand Wagoneer, Wagoneer, Wagoneer Limited</b>					
<b>(cont.)</b>					

<b>TRANSFER CASE(cont)</b>		
<b>Input Shaft(cont)</b>		
1991-1981 (New Process 228, 229)		
Repair Sleeve .....	99193	
Seal .....	3173	
1988-1980 (New Process 208, 219)		
Repair Sleeve .....	99193	
Seal .....	3173	
1987-1984 (New Process 207)		
Repair Sleeve .....	99193	
Seal .....	3173	
<b>Front Output Shaft</b>		
1991-1986 (New Process 242)		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
1991-1980 (New Process 208, 219, 228, 229)		
Repair Sleeve .....	99187	
Seal .....	3946	
Needle Bearing .....	B2816	
1987-1984 (New Process 207)		
Ball Bearing .....	206	
Repair Sleeve .....	99155	
Seal .....	710046	
<b>Rear Output Shaft</b>		
1991-1986 (New Process 231)		
Ball Bearing .....	206	
Seal .....	2506	
1991-1981 (New Process 228, 229)		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
1988-1980 (New Process 208, 219) (fixed yoke)		
Ball Bearing .....	1207L	
Repair Sleeve .....	99187	
Seal .....	3946	
1988-1980 (New Process 208, 219) (slip yoke)		
Ball Bearing .....	1207L	
Seal .....	4333N	
1987-1984 (New Process 207)		
Ball Bearing .....	206	
Seal .....	4370N	

<b>ALTERNATOR</b>		
1993-1991	78 Amp.	
Ball Bearing ; Rear End .....		203FF
1991-1984 (Delco Remy 37, 42, 55, 63, 78 Amp.) (Type I)		
Ball Bearing ; Drive End .....		203S
1990-1983 (Delco Remy 42, 56, 63, 66, 78 Amp.) (Type II)		
Ball Bearing ; Drive End .....		203F
1990-1980 (Delco Remy 37, 42, 55, 63, 78 Amp.)		
Needle Bearing; Rear End .....		MNJ471S
1986-1980 (Delco Remy 37, 42, 55, 63 Amp.) (Type I)		
Ball Bearing ; Drive End .....		203S

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1987-1984	150ci/2.5L	
Seal .....		321460
1985	2068cc/2.1L (Turbo Diesel)	
Seal Viton .....		225020
<b>6 Cylinder</b>		
1990-1980	232/3.8L, 242/4.0L, 258/4.2L	
Seal .....		321460
1986-1984	173/2.8L	
Repair Sleeve .....		99176
Seal .....		9845

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1987-1984	150ci/2.5L	
Seal Viton .....		716445
1985	2068cc/2.1L (Turbo Diesel)	
Seal Viton .....		229005
<b>6 Cylinder</b>		
1990-1980	232/3.8L, 242/4.0L, 258/4.2L	
Seal .....		5115
1986-1985	173/2.8L (2nd design)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
1985-1984	173/2.8L (1st design)	
Seal .....		5210
<b>8 Cylinder</b>		
1991-1980	304/5.0L, 360/5.9L, 401/6.6L	
Seal Split .....		5112S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## JEEP- Liberty

### FRONT WHEEL

#### 2WD

<b>2006-2002 (ABS)</b>		
Hub Assembly; RH .....		513177
Hub Assembly; LH .....		513176
<b>2005-2002 (Non-ABS)</b>		
Hub Assembly .....		513178

#### 4WD/AWD

<b>2006-2002 (ABS)</b>		
Hub Assembly; RH .....		513177
Hub Assembly; LH .....		513176
<b>2005-2002 (Non-ABS)</b>		
Hub Assembly .....		513178

### REAR WHEEL

<b>2006-2002 (Chrysler Axle) (8.25" R.G.)</b>		
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>2002 (Dana/Spicer 35 Axle)</b>		
Cone/Cup .....		A49
Seal .....		2146

### 4WD FRONT AXLE

#### Differential

<b>2005-2002 All</b>		
Cone/Cup .....		LM501349-LM501314

#### Pinion

<b>2005-2002 All</b>		
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		M802048-M802011

### REAR AXLE

#### Differential

<b>2005-2002 (8.25" R.G.)</b>		
Cup/Cone .....		A36
<b>2002 (Dana/Spicer 35 Axle)</b>		
Cone/Cup .....		LM501349-LM501314

### REAR AXLE(cont)

#### Pinion

<b>2005-2002 (8.25" R.G.)</b>		
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M802048-M802011
<b>2002 (Dana/Spicer 35 Axle)</b>		
Seal Viton .....		714675
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88648-HM88610

### TRANSFER CASE

#### Input Shaft

<b>2005-2002 (New Process 231, 242)</b>		
Ball Bearing .....		110L
Repair Sleeve .....		99193
Seal .....		3173

#### Front Output Shaft

<b>2005-2002 (New Process 231)</b>		
Ball Bearing .....		206
Seal Viton .....		710056

#### 2005-2002 (New Process 242)

Ball Bearing .....		207XLO
Repair Sleeve .....		99187
Seal .....		3946

#### Rear Output Shaft

<b>2005-2002 (New Process 231)</b>		
Ball Bearing .....		206
Seal .....		4370N

#### 2005-2002 (New Process 242)

Ball Bearing .....		206
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#### Oil Pump Housing

<b>2005-2002 All</b>		
Repair Sleeve .....		99225
Seal .....		341022

### CAMSHAFT SEAL

#### 4 Cylinder

<b>2004-2002 2.4L</b>		
Seal Viton .....		320249

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

<b>2005-2002 148/2.4L</b>		
Seal Viton .....		320348

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

<b>2003-2002 148/2.4L</b>		
Seal Viton .....		710056

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## JEEP- Liberty

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

2006-2002	226/3.7L	
Seal .....		231004

## JEEP- SUV - Cherokee, Grand Cherokee

### FRONT WHEEL

#### 2WD

<b>2004-1999</b>	<b>Grand Cherokee</b>	
Hub Assembly .....		513159
<b>2001-2000</b>	<b>Cherokee</b>	
Hub Assembly .....		513158
<b>1999-1989</b>	<b>Cherokee</b>	
Hub Assembly .....		513084
<b>1998-1993</b>	<b>Grand Cherokee</b>	
Hub Assembly .....		513084
<b>1988-1986</b>	<b>(Hub &amp; Disc One Unit)</b>	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1987-1984</b>	<b>(Hub &amp; Disc Separate Units)</b>	
Cone/Cup .....	JLM603048F-JLM603013Z	
Seal ; Inner .....		4122
Seal ; Outer .....		3942
Seal ; Middle .....		4019N

#### 4WD/AWD

<b>2004-1999</b>	<b>Grand Cherokee</b>	
Hub Assembly .....		513159
<b>2001-2000</b>	<b>Cherokee (Cast Disc)</b>	
Hub Assembly .....		513158
<b>1999</b>	<b>Cherokee (Composite Disc)</b>	
Hub Assembly .....		513084
<b>1998-1990</b>	<b>Cherokee, Grand Cherokee</b>	
Hub Assembly .....		513084
<b>1989-1984</b>	<b>Cherokee</b>	
Cone/Cup ; Outer .....	JLM603048F-JLM603013Z	
Cone/Cup ; Inner .....	JLM603048F-JLM603013Z	
Seal ; Inner .....		4122
Seal ; Outer .....		3942
Hub Assembly .....		513107
Seal ; Middle .....		4019N

### REAR WHEEL

<b>2008-2005</b>	<b>Grand Cherokee</b>	
Hub Assembly .....		512302
<b>2004-1999</b>	<b>WJ Grand Cherokee(Dana/Spicer 35,44 Axle)</b>	
Cone/Cup .....		A49
Seal .....		2146

### REAR WHEEL(cont)

<b>2001</b>	<b>KJ Cherokee (Dana/Spicer 35,44 Axle)</b>	
Cone/Cup .....		A49
Seal .....		2146
<b>2001-1998</b>	<b>XJ Cherokee (Dana/Spicer 35 Axle)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
<b>2001-1991</b>	<b>Cherokee, Cherokee Sport (Chrysler Axle (8.25" R.G.))</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1997-1994</b>	<b>Grand Cherokee (Dana/Spicer44) (Fig. Ax Shaft)</b>	
Seal ; Inner .....		8660S
Seal ; Outer .....		4857
Wheel Brg; Inner .....		A10
<b>1997-1990</b>	<b>Cherokee, Grand Cherokee(Dana/Spicer Axle)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
<b>1989-1984</b>	<b>Cherokee</b>	
Seal ; Inner .....		2146
Seal ; Outer .....		9912
Wheel Brg; Inner .....		A9

### 4WD FRONT AXLE

#### Differential

<b>2004-1984</b>	<b>(Dana/Spicer 30, 35 Axles)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1993-1984</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....		25590-25523

#### Pinion

<b>2005</b>	<b>All</b>	
Cone/Cup ; Outer .....		M88043-M88010
Cone/Cup ; Inner .....		HM803146-HM803110
<b>2004-1999</b>	<b>(Dana/Spicer 35 Axle)</b>	
Seal Viton .....		714675
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88648-HM88610

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## JEEP- SUV - Cherokee, Grand Cherokee (cont.)

### 4WD FRONT AXLE(cont)

#### Pinion(cont)

<b>2001-1997</b>	<b>(Dana/Spicer 30 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	
<b>1996-1984</b>	<b>(Dana/Spicer 30 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....	02872-02820	
Cone/Cup ; Inner .....	HM88649-HM88610	
<b>1993-1984</b>	<b>(Dana/Spicer 44 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....	02872-02820	
Cone/Cup ; Inner .....	31594-31520	

#### Spindle

<b>1998-1984</b>	<b>All</b>	
Seal ; Inner .....		722108
Seal ; Outer .....		722109

### REAR AXLE

#### Differential

<b>2005</b>	<b>(Chevy C Axle) (8.5" R.G.)</b>	
Cup/Cone .....		A36
<b>2004-1999</b>	<b>(Dana/Spicer 44-4 Axle)</b>	
Cup/Cone .....		A36
<b>2004-1984</b>	<b>(Dana/Spicer 35C Axle)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1999-1991</b>	<b>(Chrysler Axle) (8.25" R.G.)</b>	
Cup/Cone .....		A36
<b>1998-1984</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....	25590-25523	
<b>1985-1984</b>	<b>(AMC 20 Axle)</b>	
Cup/Cone .....		A36

#### Pinion

<b>2005</b>	<b>(Chrysler Axle) (8.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M802048-M802011	
<b>2004-1999</b>	<b>(Dana/Spicer 44-4 Axle)</b>	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
Seal Viton ; Outer .....		719316
<b>2004-1992</b>	<b>(Dana/Spicer 35C Axle)</b>	
Seal Viton .....		714675
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	

### REAR AXLE(cont)

#### Pinion(cont)

<b>2001-1991</b>	<b>(Chrysler Axle) (8.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1998-1984</b>	<b>(Dana/Spicer 44 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....	02872-02820	
Cone/Cup ; Inner .....	31594-31520	
<b>1991-1984</b>	<b>(Dana/Spicer 35C Axle)</b>	
Seal .....		470331N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	
<b>1985-1984</b>	<b>(AMC 20 Axle)</b>	
Seal .....		470331N
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	

### CLUTCH

#### Pilot Bearing

<b>2002-1992</b>	<b>6 Cyl 242ci/4.0L</b>	
Needle Bearing .....		SCE1295
<b>2000-1984</b>	<b>4 Cyl 150ci/2.5L</b>	
Needle Bearing .....		FC65446
<b>1991-1987</b>	<b>6 Cyl 242ci/4.0L</b>	
Needle Bearing .....		FC66426

#### Release Bearing

<b>2002-1994</b>	<b>6 Cyl 242ci/4.0L</b>	
Bearing Assembly .....		614093
<b>2000-1994</b>	<b>4 Cyl 150ci/2.5L</b>	
Bearing Assembly .....		614093
<b>1993</b>	<b>4 Cyl 150ci/2.5L, w/ Hydraulic Clutch</b>	
Hyd. Bearing Assembly .....		619004
<b>1993</b>	<b>6 Cyl 242ci/4.0L, w/ Hydraulic Clutch</b>	
Hyd. Bearing Assembly .....		619004
<b>1992-1990</b>	<b>6 Cyl 242ci/4.0L, w/ Hydraulic Clutch</b>	
Hyd. Bearing Assembly .....		619003
<b>1992-1987</b>	<b>4 Cyl. 150 (2.5) (Hyd. Piston type)</b>	
Hyd. Bearing Assembly .....		619001

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1996-1994</b>	<b>(30RH)</b>	
Ball Bearing .....		710058
Seal .....		
<b>1991-1980</b>	<b>(A727)</b>	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
<b>1986-1984</b>	<b>(A904, A999, 30RH)</b>	
Ball Bearing .....		2506
Seal .....		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## JEEP- SUV - Cherokee, Grand Cherokee (cont.)

### 3-SPEED AUTOMATIC TRANSMISSION(cont)

#### Selector Shaft Seal/Man. Shaft

1996-1984 (A904, A999, 30RH, 31RH,32RH)	
Seal .....	8609

#### Torque Converter

1996-1994 (A904, A999, 30RH, 31RH,32RH)	
Repair Sleeve .....	99149
Seal .....	331228H
1991-1980 (A727)	
Seal .....	331227H

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

2000-1993 (42RE, 44RE) (4WD) (1.687" shaft)	
Ball Bearing .....	207XLO
Seal .....	7300S
Seal Kit .....	5206
2000-1993 (42RE, 44RE) (4WD) (1.937" shaft)	
Ball Bearing .....	207XLO
Seal .....	710058
2000-1987 (Aisin 03 40) (4WD)	
Seal .....	225005
Seal .....	710319
1995-1993 (46RH)	
Ball Bearing .....	207XLO
Seal .....	710058
1993 (A518, A500SE) (1.687" shaft)	
Ball Bearing .....	207XLO
Seal .....	7300S
1993 (A518, A500SE) (1.937" shaft)	
Ball Bearing .....	207XLO
Seal .....	710058

#### Selector Shaft Seal/Man. Shaft

2000-1993 (A518, 42RE, 44RE, 46RH,A500SE)	
Seal .....	8609
2000-1987 (Aisin 03 40)	
Repair Sleeve .....	221207
Seal .....	

#### Torque Converter

2000-1993 (42RE, 44RE, A500SE)	
Repair Sleeve .....	99149
Seal .....	331228H
2000-1987 (Aisin 03 40)	
Repair Sleeve .....	223830
Seal .....	
1995-1993 (A518, 46RH)	
Seal .....	331227H

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1993-1984 (Aisin AX4)	
Repair Sleeve .....	99114
Seal .....	1981

### 4-SPEED MANUAL TRANSMISSION(cont)

#### Input Shaft(cont)

1988-1980 (Tremec 176, 177, 178)	
Ball Bearing .....	209L
Repair Sleeve .....	99112
Seal .....	3638
1986-1982 (Warner T4)	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5
1986-1980 (Warner T18)	
Ball Bearing .....	308L1
Repair Sleeve .....	99125
Seal .....	7412S

#### Rear Output Shaft

1993-1991 (Aisin AX4) (4WD)	
Ball Bearing .....	205
Seal .....	710319
1990-1984 (Aisin AX4) (4WD)	
Ball Bearing .....	205
Seal .....	1209
1988-1980 (Tremec 176, 177, 178)	
Ball Bearing .....	308L
Repair Sleeve .....	99193
Seal .....	3173
1986-1982 (Warner T4)	
Cone/Cup .....	25877-25821
Seal .....	472439
1986-1980 (Warner T18) (10 splines) (3.066" O.D.)	
Ball Bearing .....	1308L
Seal .....	473468
1986-1980 (Warner T18) (31 splines) (2.381" O.D.)	
Ball Bearing .....	1308L
Repair Sleeve .....	99149
Seal .....	9613S

### 5-SPEED MANUAL TRANSMISSION

#### Front Input Shaft

2000-1990 (Aisin AX15)	
Seal .....	223253
2000-1984 (Aisin AX5)	
Repair Sleeve .....	99114
Seal .....	1981
1990-1987 (Peugeot BA10/5)	
Seal Viton .....	710164
1986-1982 (Warner T5)	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5

#### Rear Output Shaft

2000-1989 (Aisin AX15)	
Seal .....	1209
Seal .....	710319

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## JEEP- SUV - Cherokee, Grand Cherokee (cont.)

### 5-SPEED MANUAL TRANSMISSION(cont)

#### Rear Output Shaft(cont)

<b>2000-1984 (Aisin AX5)</b>		
Ball Bearing .....		205
Seal .....		1209
Seal .....		710319
<b>1989-1987 (Peugeot BA10/5)</b>		
Seal .....		710319
<b>1986-1982 (Warner T5) (23 spline)</b>		
Cone/Cup .....		25877-25821
Seal .....		472439
<b>1986-1982 (Warner T5) (26 spline)</b>		
Cone/Cup .....		25877-25821
Seal .....		2506

#### Rear Countershaft

<b>2000-1984 (Aisin AX5)</b>		
Ball Bearing ; Rr .....		204

### TRANSFER CASE

#### Input Shaft

<b>2005-1997 (New Process 231, 249)</b>		
Ball Bearing .....		110L
Repair Sleeve .....		99193
Seal .....		3173
<b>2005-1997 (New Process 242, 247)</b>		
Ball Bearing .....		110L
<b>1996-1994 (New Process 242, 247)</b>		
Ball Bearing .....		110L
Repair Sleeve .....		99193
Seal .....		3173
<b>1996-1986 (New Process 231)</b>		
Ball Bearing .....		N5210KLB
Repair Sleeve .....		99193
Seal .....		3173
<b>1994-1986 (New Process 242, 249) (1st design)</b>		
Ball Bearing .....		N5210KLB
Repair Sleeve .....		99193
Seal .....		3173
<b>1991-1981 (New Process 228, 229)</b>		
Repair Sleeve .....		99193
Seal .....		3173
<b>1988-1980 (New Process 208, 219)</b>		
Repair Sleeve .....		99193
Seal .....		3173
<b>1987-1984 (New Process 207)</b>		
Repair Sleeve .....		99193
Seal .....		3173

#### Front Output Shaft

<b>2005-1997 (New Process 242, 247, 249)</b>		
Ball Bearing .....		207XLO
Repair Sleeve .....		99187
Seal .....		3946

### TRANSFER CASE(cont)

#### Front Output Shaft(cont)

<b>2005-1986 (New Process 231)</b>		
Ball Bearing .....		206
Repair Sleeve .....		99155
Seal .....		710046
<b>1996-1993 (New Process 243)</b>		
Ball Bearing .....		207XLO
Repair Sleeve .....		99187
Seal .....		3946
<b>1996-1986 (New Process 242)</b>		
Ball Bearing .....		207
Repair Sleeve .....		99187
Seal .....		3946
<b>1991-1980 (New Process 208, 219, 228, 229)</b>		
Repair Sleeve .....		99187
Seal .....		3946
<b>1987-1984 (New Process 207)</b>		
Ball Bearing .....		206
Repair Sleeve .....		99155
Seal .....		710046

#### Rear Output Shaft

<b>2005-1999 (New Process 242)</b>		
Ball Bearing .....		206
<b>2005-1997 (New Process 231)</b>		
Ball Bearing .....		206
Seal .....		4370N
<b>1998-1993 (New Process 242, 249)</b>		
Ball Bearing .....		206L
Seal .....		4370N
<b>1996-1986 (New Process 231)</b>		
Ball Bearing .....		206
Seal .....		2506
<b>1991-1981 (New Process 228, 229)</b>		
Ball Bearing .....		207
Repair Sleeve .....		99187
Seal .....		3946
<b>1988-1980 (New Process 208, 219) (fixed yoke)</b>		
Ball Bearing .....		1207L
Repair Sleeve .....		99187
Seal .....		3946
<b>1988-1980 (New Process 208, 219) (slip yoke)</b>		
Ball Bearing .....		1207L
Seal .....		4333N
<b>1987-1984 (New Process 207)</b>		
Ball Bearing .....		206
Seal .....		4370N

### ALTERNATOR

<b>1993-1991 (Delco Remy 42, 56, 63, 66, 78 Amp.) (Type II)</b>		
Ball Bearing ; Drive End .....		203S
<b>1993-1991 78 Amp.</b>		
Ball Bearing ; Rear End .....		203FF
<b>1990-1983 (Delco Remy 42, 56, 63, 66, 78 Amp.) (Type II)</b>		
Ball Bearing ; Drive End .....		203F

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## JEEP- SUV - Cherokee, Grand Cherokee (cont.)

<b>ALTERNATOR(cont)</b>			<b>CRANKSHAFT REAR SEAL(cont)</b>		
1990-1980	(Delco Remy 37, 42, 55, 63, 78 Amp.)		<b>6 Cylinder(cont)</b>		
	Needle Bearing; Rear End .....	MNJ471S	2004-1980	258/4.2L, 242/4.0L	
1986-1980	(Delco Remy 37, 42, 55, 63 Amp.) (Type I)		Seal .....		5111S
	Ball Bearing ; Drive End .....	203S	1986	173/2.8L	
<b>CRANKSHAFT FRONT SEAL</b>			Repair Sleeve .....		99298
<b>4 Cylinder</b>			Seal .....		4307V
2000-1984	150/2.5L		Seal PTFE H/D .....		5273
Seal .....		321460	1984	173/2.8L	
<b>6 Cylinder</b>			Seal .....		5210
2004-1980	258/4.2L, 242/4.0L		<b>8 Cylinder</b>		
Seal .....		321460	2006-2002	285/4.7L	
1986-1984	173/2.8L		Seal .....		231004
Repair Sleeve .....		99176	2001-1999	287/4.7L	
Seal .....		9845	Seal .....		231004
<b>8 Cylinder</b>			1998	360/5.9L	
2001-1999	287/4.7L		Seal Split .....		5106
Seal .....		3103	1998-1993	318/5.2L	
1998	360/5.9L		Seal .....		5414
Seal Viton .....		713103	<b>CRANKSHAFT REAR SEAL</b>		
1998-1993	318/5.2L		<b>4 Cylinder</b>		
Seal Viton .....		713103	2000-1984	150/2.5L	
<b>CRANKSHAFT REAR SEAL</b>			Seal Viton .....		716445
<b>4 Cylinder</b>			<b>6 Cylinder</b>		
2000-1984	150/2.5L		2006-2005	226/3.7L	
Seal Viton .....		716445	Seal .....		231004
<b>6 Cylinder</b>					
2006-2005	226/3.7L				
Seal .....		231004			

## JEEP- LIGHT TRUCK - Jeep, Jeepster, CJ5, CJ7, CJ8, DJ, Scrambler, Sahara, TJ, Wrangler

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
<b>4WD/AWD</b>			<b>4WD/AWD(cont)</b>		
2006-2000	Wrangler, Sahara, TJ		1989-1987	(OEM Hub Components, Taper Brg.)	
Hub Assembly .....		513158	Cone/Cup ; Outer .....	JLM603048F-JLM603013Z	
1999-1990	Wrangler, TJ		Cone/Cup ; Inner .....	JLM603048F-JLM603013Z	
Hub Assembly .....		513084	Seal ; Inner .....		4122
1989-1987	All		Seal ; Outer .....		3942
Hub Assembly .....		513107	Seal ; Middle .....		4019N
			1986-1984	All	
			Seal ; Inner .....		493637
			Cup/Cone; Outer .....		A35
			1983-1980	All	
			Seal ; Inner .....		4131
			Cup/Cone; Outer .....		A35

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- LIGHT TRUCK - Jeep, Jeepster, CJ5, CJ7, CJ8, DJ, Scrambler, Sahara, TJ, Wrangler (cont.)</b>					

## REAR WHEEL

<b>2006-1994</b>	<b>(Dana/Spicer 44) (Fig. Axle Shaft)</b>	
Seal ; Inner .....		9912
Wheel Brg; Inner .....		A10
<b>2006-1990</b>	<b>(Dana/Spicer 35 Axle)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
<b>1989-1988</b>	<b>All</b>	
Seal ; Inner .....		473212
Seal ; Outer .....		2146
Wheel Brg; Inner .....		A9
<b>1987</b>	<b>(Dana/Spicer 35 Axle)</b>	
Seal ; Inner .....		473214
Seal ; Outer .....		2146
Wheel Brg; Inner .....		A9
<b>1986-1980</b>	<b>All</b>	
Seal ; Inner .....		7687S
Seal ; Outer .....		8549S
Cup/Cone; Inner .....		A5

## 4WD FRONT AXLE

### Differential

<b>2005-2003</b>	<b>(Exc. Trulock Diff.)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>2005-2003</b>	<b>(Trulock Diff.)</b>	
Cone/Cup .....	25590-25523	
<b>2002-1980</b>	<b>(Dana/Spicer 30 Axle)</b>	
Cone/Cup .....	LM501349-LM501314	

### Pinion

<b>2005-2003</b>	<b>(Exc. Trulock Diff.)</b>	
Seal Viton .....	5778V	
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	
<b>2002-1997</b>	<b>(Dana/Spicer 30 Axle)</b>	
Seal Viton .....	5778V	
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	
<b>1995-1980</b>	<b>(Dana/Spicer 30 Axle)</b>	
Seal Viton .....	5778V	
Repair Sleeve .....	99155	
Seal .....	5778	
Cone/Cup ; Outer .....	02872-02820	
Cone/Cup ; Inner .....	HM88649-HM88610	

### Axle Shaft

<b>2002-1994</b>	<b>(Spicer 30 F)</b>	
Seal .....		710068
<b>1993-1987</b>	<b>(Spicer 30 F) (Disconnect)</b>	
Seal ; RH .....		710202
Seal ; LH .....		710068
<b>1993-1982</b>	<b>(Spicer 30 F) (w/o Disconnect)</b>	
Seal .....		710068
<b>1986-1985</b>	<b>(Spicer 30 F) (Disconnect)</b>	
Seal ; RH .....		710204
Seal ; LH .....		710068

## 4WD FRONT AXLE(cont)

### Axle Shaft(cont)

<b>1984-1982</b>	<b>(Spicer 30 F) (Disconnect)</b>	
Seal ; RH .....		710204
Seal ; LH .....		710068
<b>1981-1980</b>	<b>(Spicer 30 F)</b>	
Seal .....		710068

### Spindle

<b>2002-1980</b>	<b>(Dana/Spicer 30 Axle)</b>	
Seal ; Inner .....		722108
Seal ; Outer .....		722109

## REAR AXLE

### Differential

<b>2005-1987</b>	<b>(Dana/Spicer 35C Axle)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>2005-1980</b>	<b>(Dana/Spicer 44-1HD Axle,44M)</b>	
Cone/Cup .....	25590-25523	
<b>1986-1980</b>	<b>(AMC 20 Axle)</b>	
Cup/Cone .....		A36

### Pinion

<b>2005-1992</b>	<b>(Dana/Spicer 35C Axle)</b>	
Seal Viton .....		714675
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	
<b>2004-2003</b>	<b>(Dana/Spicer 44-1HD Axle)</b>	
Seal Viton .....		5778V
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31593-31520
<b>2002-1994</b>	<b>(Dana/Spicer 44-1HD Axle)</b>	
Seal Viton .....		5778V
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31594-31520
<b>1991-1987</b>	<b>(Dana/Spicer 35C Axle)</b>	
Seal .....		470331N
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	
<b>1986-1980</b>	<b>(AMC 20 Axle)</b>	
Seal .....		470331N
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	

## CLUTCH

### Pilot Bearing

<b>2005-1992</b>	<b>6 Cyl 242ci/4.0L</b>	
Needle Brg, Opt Brg and .....		FC69907
Sleeve .....		
<b>2005-1992</b>	<b>6 Cyl 242ci/4.0L</b>	
Needle Bearing .....		SCE1295
<b>2002-1983</b>	<b>4 Cyl 150ci/2.5L</b>	
Needle Bearing .....		FC65446
<b>1991-1987</b>	<b>6 Cyl 242ci/4.0L, 258ci/4.2L</b>	
Needle Bearing .....		FC66426

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- LIGHT TRUCK - Jeep, Jeepster, CJ5, CJ7, CJ8, DJ, Scrambler, Sahara, TJ, Wrangler (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Release Bearing</b>		
2002-1997	4 Cyl 150ci/2.5L	
	Bearing Assembly .....	614093
2002-1997	6 Cyl 242ci/4.0L	
	Bearing Assembly .....	614093
1995-1994	4 Cyl 150ci/2.5L	
	Bearing Assembly .....	614093
1995-1994	6 Cyl 242ci/4.0L	
	Bearing Assembly .....	614093
1993	4 Cyl 150ci/2.5L	
	Hyd. Bearing Assembly .....	619004
1993	6 Cyl 242ci/4.0L	
	Hyd. Bearing Assembly .....	619004
1992-1990	6 Cyl 242ci/4.0L, 258ci/4.2L	
	Hyd. Bearing Assembly .....	619003
1992-1987	4 Cyl 150ci/2.5L	
	Hyd. Bearing Assembly .....	619001

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2001-1997	(31RH, 32RH)	
	Ball Bearing .....	710058
	Seal .....	
1995-1994	(31RH, 32RH)	
	Ball Bearing .....	710058
	Seal .....	
1993-1980	(A904, A999, 30RH)	
	Ball Bearing .....	2506
	Seal .....	
<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1980	(A904, A999, 30RH, 31RH,32RH)	
	Seal .....	8609
<b>Torque Converter</b>		
2002-1980	(A904, A999, 30RH, 31RH,32RH)	
	Repair Sleeve .....	99149
	Seal .....	331228H

<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1986-1980	(Warner SR4) (Tremec 176, 177,178)	
	Seal .....	313156
<b>Input Shaft</b>		
1986-1982	(Warner T4)	
	Repair Sleeve .....	99125
	Seal .....	7412S
	Cup/Cone .....	A5
1986-1980	(Tremec 176, 177, 178)	
	Ball Bearing .....	209L
	Seal .....	482208

<b>4-SPEED MANUAL TRANSMISSION(cont)</b>		
<b>Input Shaft(cont)</b>		
1981-1980	(Warner SR4)	
	Ball Bearing .....	1207L
	Repair Sleeve .....	99112
	Seal .....	3638
1981-1980	(Warner T18)	
	Ball Bearing .....	308L1
	Repair Sleeve .....	99125
	Seal .....	7412S
<b>Rear Output Shaft</b>		
1986-1982	(Warner)	
	Cone/Cup .....	25877-25821
	Seal .....	472439
1986-1980	(Tremec 176, 177, 178)	
	Ball Bearing .....	308L
	Repair Sleeve .....	99193
	Seal .....	3173
1981-1980	(Warner SR4)	
	Ball Bearing .....	207L
	Seal .....	472439
1981-1980	(Warner T18) (10 splines) (3.066" O.D.)	
	Ball Bearing .....	1308L
	Seal .....	473468
1981-1980	(Warner T18) (31 splines) (2.381" O.D.)	
	Ball Bearing .....	1308L
	Repair Sleeve .....	99149
	Seal .....	9613S
<b>Countershaft</b>		
1986-1982	(Warner T4)	
	Cyl. Bearing ; Rr .....	5707

<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Front Input Shaft</b>		
2002-1987	(Aisin AX5)	
	Repair Sleeve .....	99114
	Seal .....	1981
1997-1990	(Aisin AX15)	
	Seal .....	223253
1990-1987	(Peugeot BA10/5)	
	Seal Viton .....	710164
1986-1982	(Warner T5)	
	Repair Sleeve .....	99125
	Seal .....	7412S
	Cup/Cone .....	A5
<b>Rear Output Shaft</b>		
2002-1984	(Aisin AX5)	
	Ball Bearing .....	205
	Seal .....	1209
	Seal .....	710319

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- LIGHT TRUCK - Jeep, Jeepster, CJ5, CJ7, CJ8, DJ, Scrambler, Sahara, TJ, Wrangler (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft(cont)

<b>2001-1990 (Aisin AX15)</b>	
Ball Bearing .....	205
Seal .....	1209
Seal .....	710319
<b>1989-1987 (Peugeot BA10/5)</b>	
Seal .....	710319
<b>1986-1982 (Warner T5) (26 spline)</b>	
Cone/Cup .....	25877-25821
Seal .....	472439

### Rear Countershaft

<b>2002-1987 (Aisin AX5)</b>	
Ball Bearing ; Rr .....	204

### Mainshaft Pilot

<b>1989-1987 (Peugeot BA10/5)</b>	
Cone/Cup .....	32004

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

<b>1986-1980 (Spicer 300)</b>	
Seal .....	471466

### Input Shaft

<b>2005-1997 (New Process 231, 241)</b>	
Ball Bearing .....	110L
Repair Sleeve .....	99193
Seal .....	3173
<b>1995-1988 (New Process 231)</b>	
Ball Bearing .....	N5210KLB
Repair Sleeve .....	99193
Seal .....	3173
<b>1987-1984 (New Process 207)</b>	
Repair Sleeve .....	99193
Seal .....	3173
<b>1986-1981 (New Process 229)</b>	
Repair Sleeve .....	99193
Seal .....	3173
<b>1986-1980 (Spicer 300)</b>	
Ball Bearing .....	209
Seal .....	471869

### Front Output Shaft

<b>2005-1988 (New Process 231)</b>	
Ball Bearing .....	206
Repair Sleeve .....	99155
Seal .....	710046
<b>1987-1984 (New Process 207)</b>	
Ball Bearing .....	206
Repair Sleeve .....	99155
Seal .....	710046
<b>1986-1981 (New Process 229)</b>	
Repair Sleeve .....	99187
Seal .....	3946

## TRANSFER CASE(cont)

### Front Output Shaft(cont)

<b>1986-1980 (Spicer 300)</b>	
Cone/Cup .....	M86649-M86610
Seal .....	711552

### Rear Output Shaft

<b>2005-1997 (New Process 231)</b>	
Ball Bearing .....	206
Seal .....	4370N
<b>1987-1984 (New Process 207)</b>	
Ball Bearing .....	206
Seal .....	4370N
<b>1986-1981 (New Process 229)</b>	
Ball Bearing .....	207
Repair Sleeve .....	99187
Seal .....	3946
<b>1986-1980 (Spicer 300)</b>	
Cone/Cup ; Outer .....	15117-15245
Cone/Cup ; Inner .....	25877-25821
Seal ; Outer .....	711552

### Oil Pump Housing

<b>2005-1981 (New Process 207, 229, 231)</b>	
Repair Sleeve .....	99225
Seal .....	341022

## ALTERNATOR

<b>1990-1987 (Leece Neville 35, 40, 55 Amp.)</b>	
Needle Bearing; Rear End .....	MNJ471S
<b>1990-1983 (Delco Remy 42, 56, 63, 66, 78 Amp.) (Type II)</b>	
Ball Bearing ; Drive End .....	203F
<b>1986-1980 (Delco Remy 37, 42, 55, 63 Amp.) (Type I)</b>	
Ball Bearing ; Drive End .....	203S
<b>1986-1980 (Delco Remy 37, 42, 55, 63, 78 Amp.)</b>	
Needle Bearing; Rear End .....	MNJ471S

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

<b>2006-2003 148/2.4L</b>	
Seal Viton .....	320348
<b>2002-1997 150/2.5L</b>	
Seal .....	321460
<b>1995-1983 150/2.5L</b>	
Seal .....	321460
<b>1983-1980 151/2.5L</b>	
Repair Sleeve .....	99176
Seal .....	9845

### 6 Cylinder

<b>2006-1997 242/4.0L</b>	
Seal .....	321460
<b>1990-1980 258/4.2L</b>	
Seal .....	321460

### 8 Cylinder

<b>1981-1980 304/5.0L</b>	
Seal Viton .....	3604

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- LIGHT TRUCK - Jeep, Jeepster, CJ5, CJ7, CJ8, DJ, Scrambler, Sahara, TJ, Wrangler (cont.)</b>					

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2006-2003	148/2.4L	
Seal Viton .....		710056
2002-1997	150/2.5L	
Seal Viton .....		716445
1995-1984	150/2.5L	
Seal Viton .....		716445
1983-1980	151/2.5L	
Repair Sleeve .....		99300
Seal .....		3698
<b>6 Cylinder</b>		
2006-1997	242/4.0L	
Seal .....		5111S
2003	148/2.4L	
Seal .....		416654
1990-1980	258/4.2L	
Seal .....		5111S

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder</b>		
1981-1980	304/5.0L	
Seal Split .....		5112S

## JEEP- TRUCK - Comanche, FC Series, Gladiator, J Series, Pickup Truck, Sedan Delivery, Utility Wagon

<b>FRONT WHEEL</b>		
<b>2WD</b>		
1992-1990	Comanche	
Hub Assembly .....		513084
1989-1986	Comanche	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>4WD/AWD</b>		
1992-1990	Comanche, Pickup (Dana/Spicer 30 Axle)	
Hub Assembly .....		513084
1992-1980	(Dana/Spicer 44-1F Axle)	
Cone/Cup ; Inner .....	LM104949-JLM104910	
Seal ; Inner .....		471271
Cup/Cone; Outer .....		A35
1989-1986	Comanche, Pickup (Dana/Spicer 30 Axle) (OEM Hub Components,Taper Brg.)	
Cone/Cup ; Outer .....	JLM603048F-JLM603013Z	
Cone/Cup ; Inner .....	JLM603048F-JLM603013Z	
Seal ; Inner .....		4122
Seal ; Outer .....		3942
Seal ; Middle .....		4019N
1989-1984	Comanche, Pickup (Dana/Spicer 30 Axle) (Hub Assy.)	
Hub Assembly .....		513107

<b>FRONT WHEEL(cont)</b>		
<b>4WD/AWD(cont)</b>		
1980	J20	
Cone/Cup ; Inner .....	LM104949-JLM104910	
Seal ; Inner .....		471271
Cup/Cone; Inner .....		A38
Cup/Cone; Outer .....		A35
<b>REAR WHEEL</b>		
1992-1990	Comanche (Dana/Spicer 35 Axle)	
Cyl. Bearing .....		5707
1992-1986	(Dana/Spicer 60 Axle) (Tapered Axle Shaf)	
Cone/Cup ; Outer .....		18690-18620
Cone/Cup ; Inner .....		28678-28622
Seal ; Inner .....		455860
1992-1980	(Dana/Spicer 44) (Flg. Axle Shaft)	
Seal .....		2689S
Wheel Brg .....		A10
1989-1984	(Dana/Spicer 35 Axle)	
Seal .....		712146
Wheel Brg .....		A9
1988-1980	J20 (Dana/Spicer 44 Axle)	
Cone/Cup ; Inner .....		26882T-26822
Seal ; Inner .....		40286
Seal ; Outer .....		5329

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- TRUCK - Comanche, FC Series, Gladiator, J Series, Pickup Truck, Sedan Delivery, Utility Wagon (cont.)</b>					

## REAR WHEEL(cont)

<b>1988-1980</b>	<b>J20 (Dana/Spicer 60 Axle)</b>	
Cone/Cup ; Outer .....		18690-18620
Cone/Cup ; Inner .....		28678-28622
Seal ; Inner .....		455860
<b>1985-1980</b>	<b>J2000, J10 (Dana/Spicer 44) (Fig. Axle Shaft)</b>	
Seal ; Inner .....		481837
Seal ; Outer .....		9912
Wheel Brg; Inner .....		A10

## 4WD FRONT AXLE

### Differential

<b>1992-1980</b>	<b>(Dana/Spicer 30 Axle)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1992-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....		25590-25523

### Pinion

<b>1992-1980</b>	<b>(Dana/Spicer 30 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		HM88649-HM88610
<b>1992-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31594-31520

### Axle Shaft

<b>1992-1985</b>	<b>(Spicer 30 F) (Disconnect)</b>	
Seal ; RH .....		710204
Seal ; LH .....		710068
<b>1992-1984</b>	<b>(Spicer 30 F) (w/o Disconnect)</b>	
Seal .....		710068
<b>1992-1980</b>	<b>(Spicer 44 1F) (2.250" O.D.)</b>	
Seal .....		5131
<b>1984</b>	<b>(Spicer 30 F) (Disconnect)</b>	
Seal ; RH .....		710204
Seal ; LH .....		710068
<b>1984-1980</b>	<b>(Spicer 44 1F) (2.620" O.D.)</b>	
Seal .....		2300
<b>1983-1980</b>	<b>(Spicer 44 8F)</b>	
Seal .....		472319

### Spindle

<b>1992-1980</b>	<b>All</b>	
Seal ; Inner .....		722108
Seal ; Outer .....		722109

## REAR AXLE

### Differential

<b>1992-1991</b>	<b>(Chrysler Axle) (8.25" R.G.)</b>	
Cup/Cone .....		A36
<b>1992-1984</b>	<b>(Dana/Spicer 35 Axle)</b>	
Cone/Cup .....		LM501349-LM501314

## REAR AXLE(cont)

### Differential(cont)

<b>1992-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Cone/Cup .....		25590-25523
<b>1992-1980</b>	<b>(Dana/Spicer 44-1HD Axle)</b>	
Cone/Cup .....		25590-25523
<b>1988-1980</b>	<b>(Dana/Spicer 60 Axle)</b>	
Cone/Cup .....		387A-382S
<b>1986-1980</b>	<b>(AMC 20 Axle)</b>	
Cup/Cone .....		A36

### Pinion

<b>1992</b>	<b>(Dana/Spicer 35 Axle)</b>	
Seal Viton .....		714675
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88648-HM88610
<b>1992-1991</b>	<b>(Chrysler Axle) (8.25" R.G.)</b>	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M802048-M802011
<b>1992-1980</b>	<b>(Dana/Spicer 44 Axle)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....		02872-02820
Cone/Cup ; Inner .....		31594-31520
<b>1991-1984</b>	<b>(Dana/Spicer 35 Axle)</b>	
Seal .....		470331N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88648-HM88610
<b>1988-1980</b>	<b>(Dana/Spicer 60-3 Axle)</b>	
Repair Sleeve .....		99187
Seal .....		9316
Cone/Cup ; Outer .....		HM88542-HM88510
Cone/Cup ; Inner .....		HM803146-HM803110
<b>1986-1980</b>	<b>(AMC 20 Axle)</b>	
Seal .....		470331N
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

## CLUTCH

### Pilot Bearing

<b>1992-1986</b>	<b>4 Cyl 150ci/2.5L</b>	
Needle Bearing .....		FC65446
<b>1991-1987</b>	<b>6 Cyl 242ci/4.0L, 258ci/4.2L</b>	
Needle Bearing .....		FC66426

### Release Bearing

<b>1992-1990</b>	<b>6 Cyl 242ci/4.0L, w/ Hydraulic Clutch</b>	
Hyd. Bearing Assembly .....		619003
<b>1992-1987</b>	<b>4 Cyl 150ci/2.5L, w/ Hydraulic Clutch</b>	
Hyd. Bearing Assembly .....		619001

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- TRUCK - Comanche, FC Series, Gladiator, J Series, Pickup Truck, Sedan Delivery, Utility Wagon (cont.)</b>					

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1992-1980 (A727)</b>		
Ball Bearing .....	207XLO	
Seal .....	7300S	
Seal Kit .....	5206	
<b>1986-1984 (A904, A999, 30RH)</b>		
Ball Bearing .....	2506	
Seal .....		

### Selector Shaft Seal/Man. Shaft

<b>1992-1984 (A904, A999, 30RH, 31RH,32RH)</b>		
Seal .....	8609	

### Torque Converter

<b>1992-1980 (A727)</b>		
Seal .....	331227H	

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1992-1987 (Aisin 03 40) (4WD)</b>		
Seal .....	225005	
Seal .....	710319	

### Selector Shaft Seal/Man. Shaft

<b>1992-1987 (Aisin 03 40)</b>		
Repair Sleeve .....	221207	
Seal .....		

### Torque Converter

<b>1992-1987 (Aisin 03 40)</b>		
Repair Sleeve .....	223830	
Seal .....		

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

<b>1992-1984 (Aisin AX4)</b>		
Repair Sleeve .....	99114	
Seal .....	1981	
<b>1988-1980 (Tremec 176, 177, 178)</b>		
Ball Bearing .....	209L	
Repair Sleeve .....	99112	
Seal .....	3638	
<b>1986-1982 (Warner T4)</b>		
Repair Sleeve .....	99125	
Seal .....	7412S	
Cup/Cone .....	A5	
<b>1986-1980 (Warner T18)</b>		
Ball Bearing .....	308L1	
Repair Sleeve .....	99125	
Seal .....	7412S	

### Rear Output Shaft

<b>1992-1984 (Aisin AX4)</b>		
Ball Bearing .....	205	
Seal .....	1209	
Seal .....	710319	

## 4-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft(cont)

<b>1988-1980 (Tremec 176, 177, 178)</b>		
Ball Bearing .....	308L	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1986-1982 (Warner T4)</b>		
Cone/Cup .....	25877-25821	
Seal .....	472439	
<b>1986-1980 (Warner T18) (10 splines) (3.066"O.D.)</b>		
Ball Bearing .....	1308L	
Seal .....	473468	
<b>1986-1980 (Warner T18) (31 splines) (2.381"O.D.)</b>		
Ball Bearing .....	1308L	
Repair Sleeve .....	99149	
Seal .....	9613S	

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

<b>1992-1990 (Aisin AX15)</b>		
Seal .....	223253	
<b>1992-1984 (Aisin AX5)</b>		
Repair Sleeve .....	99114	
Seal .....	1981	
<b>1990-1987 (Peugeot BA10/5)</b>		
Seal Viton .....	710164	
<b>1986-1982 (Warner T5)</b>		
Repair Sleeve .....	99125	
Seal .....	7412S	
Cup/Cone .....	A5	

### Rear Output Shaft

<b>1992-1989 (Aisin AX15)</b>		
Seal .....	1209	
Seal .....	710319	
<b>1992-1984 (Aisin AX5)</b>		
Ball Bearing .....	205	
Seal .....	1209	
Seal .....	710319	
<b>1989-1987 (Peugeot BA10/5)</b>		
Seal .....	710319	
<b>1986-1982 (Warner T5) (23 spline)</b>		
Cone/Cup .....	25877-25821	
Seal .....	472439	
<b>1986-1982 (Warner T5) (26 spline)</b>		
Cone/Cup .....	25877-25821	
Seal .....	2506	

### Rear Countershaft

<b>1992-1984 (Aisin AX5)</b>		
Ball Bearing ; Rr .....	204	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>JEEP- TRUCK - Comanche, FC Series, Gladiator, J Series, Pickup Truck, Sedan Delivery, Utility Wagon (cont.)</b>					

## TRANSFER CASE

### Input Shaft

<b>1992-1986 (New Process 231)</b>		
Ball Bearing .....	N5210KLB	
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1992-1986 (New Process 242, 249) (1st design)</b>		
Repair Sleeve .....	99193	
<b>1992-1986 (New Process 242, 249) (1st design)</b>		
Ball Bearing .....	N5210KLB	
Seal .....	3173	
<b>1991-1981 (New Process 228, 229)</b>		
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1988-1980 (New Process 208, 219)</b>		
Repair Sleeve .....	99193	
Seal .....	3173	
<b>1987-1984 (New Process 207)</b>		
Repair Sleeve .....	99193	
Seal .....	3173	

### Front Output Shaft

<b>1992-1986 (New Process 231)</b>		
Ball Bearing .....	206	
Repair Sleeve .....	99155	
Seal .....	710046	
<b>1992-1986 (New Process 242)</b>		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1991-1980 (New Process 208, 219, 228, 229)</b>		
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1987-1984 (New Process 207)</b>		
Ball Bearing .....	206	
Repair Sleeve .....	99155	
Seal .....	710046	

### Rear Output Shaft

<b>1992-1986 (New Process 231)</b>		
Ball Bearing .....	206	
Seal .....	2506	
<b>1991-1981 (New Process 228, 229)</b>		
Ball Bearing .....	207	
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1988-1980 (New Process 208, 219) (fixed yoke)</b>		
Ball Bearing .....	1207L	
Repair Sleeve .....	99187	
Seal .....	3946	
<b>1988-1980 (New Process 208, 219) (slip yoke)</b>		
Ball Bearing .....	1207L	
Seal .....	4333N	
<b>1987-1984 (New Process 207)</b>		
Ball Bearing .....	206	
Seal .....	4370N	

## ALTERNATOR

<b>1988-1983 (Delco Remy 42, 56, 63, 66, 78 Amp.) (Type II)</b>		
Ball Bearing ; Drive End .....	203F	
<b>1988-1980 (Delco Remy 37, 42, 55, 63, 78 Amp.)</b>		
Needle Bearing; Rear End .....	MNJ471S	
<b>1986-1980 (Delco Remy 37, 42, 55, 63 Amp.) (Type I)</b>		
Ball Bearing ; Drive End .....	203S	

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

<b>1992-1986 150/2.5L</b>		
Seal .....	321460	
<b>1987-1986 2068cc/2.1L (Turbo Diesel)</b>		
Seal Viton .....	225020	

### 6 Cylinder

<b>1992-1980 258/4.2L, 242/4.0L</b>		
Seal .....	321460	
<b>1986 173ci/2.8L</b>		
Repair Sleeve .....	99176	
Seal .....	9845	

## CRANKSHAFT REAR SEAL

### 4 Cylinder

<b>1992-1986 150ci/2.5L</b>		
Seal Viton .....	716445	
<b>1987-1986 2068cc/2.1L (Turbo Diesel)</b>		
Seal Viton .....	229005	

### 6 Cylinder

<b>1992-1980 232/3.8L, 242/4.0L, 258/4.2L</b>		
Seal .....	5115	
<b>1986 173/2.8L (2nd design)</b>		
Repair Sleeve .....	99298	
Seal .....	4307V	
Seal PTFE H/D .....	5273	

### 8 Cylinder

<b>1988-1980 304/5.0L, 360/5.9L, 401/6.6L</b>		
Seal Split .....	5112S	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>KIA- Amanti, Magentis, Optima, Rio, Sedona, Sephia, Spectra, Sorento, Sportage</b>					

<b>FRONT WHEEL</b>		
<b>2005</b>	<b>Sportage</b>	
	Ball Bearing .....	510034
<b>2005-2003</b>	<b>Optima (From 1/3/02)</b>	
	Ball Bearing .....	510034
<b>2005-2002</b>	<b>Sedona</b>	
	Ball Bearing .....	513058
	Seal .....	1932
<b>2005-2001</b>	<b>Rio</b>	
	Seal ; Inner .....	4990
	Seal ; Outer .....	710323
	Cup/Cone; Inner .....	A18
	Cup/Cone; Outer .....	A18
<b>2005-2001</b>	<b>Spectra (Hatchback)</b>	
	Ball Bearing .....	510003
<b>2005-2001</b>	<b>Spectra (Sedan)</b>	
	Ball Bearing .....	510010
<b>2002-2001</b>	<b>Optima (To 1/2/02)</b>	
	Ball Bearing .....	510076
<b>2002-1995</b>	<b>Sportage</b>	
	Seal ; Inner .....	710094
	Seal ; Outer .....	710093
	Cup/Cone; Outer .....	A18
<b>2001-1994</b>	<b>Sephia</b>	
	Ball Bearing .....	510003
	Seal .....	1932
<b>2000</b>	<b>Spectra</b>	
	Ball Bearing .....	510010

<b>REAR WHEEL</b>		
<b>2005-2003</b>	<b>Sorento</b>	
	Seal .....	223840
<b>2005-2001</b>	<b>Optima (ABS)</b>	
	Hub Assembly .....	512190
<b>2005-2001</b>	<b>Optima (Non-ABS)</b>	
	Hub Assembly .....	512191
<b>2005-2001</b>	<b>Rio</b>	
	Seal ; Inner .....	1126
	Cup/Cone; Inner .....	A2
	Cup/Cone; Outer .....	A4
<b>2005-2000</b>	<b>Spectra (Drum)</b>	
	Hub Assembly .....	512200
<b>2002-1998</b>	<b>Sportage</b>	
	Seal ; Inner .....	473823
	Cup/Cone; Inner .....	A2
	Wheel Brg; Outer .....	A9
<b>2001-1994</b>	<b>Sephia (Drum)</b>	
	Hub Assembly .....	512200
<b>1997-1995</b>	<b>Sportage</b>	
	Seal ; Inner .....	223240
	Seal ; Outer .....	

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
<b>2002-1995</b>	<b>Sportage</b>	
	Cone/Cup .....	32008

<b>4WD FRONT AXLE(cont)</b>		
<b>Pinion</b>		
<b>2002-1995</b>	<b>Sportage</b>	
	Cone/Cup .....	32207
	Cone/Cup ; Outer .....	32206

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2005-2003</b>	<b>Sorento</b>	
	Cone/Cup .....	32210
<b>2002-1995</b>	<b>Sportage</b>	
	Cone/Cup .....	32008
<b>Pinion</b>		
<b>2002-1995</b>	<b>Sportage</b>	
	Seal .....	1216N
	Cone/Cup ; Outer .....	32206
	Cone/Cup ; Inner .....	32207

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
<b>2002-1994</b>	<b>All</b>	
	Ball Bearing .....	202SS
<b>Release Bearing</b>		
<b>2002-1995</b>	<b>Sportage</b>	
	Bearing Assembly .....	614067
<b>1999-1994</b>	<b>Sephia</b>	
	Bearing Assembly .....	614128

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>2002-1995</b>	<b>(Aisin 03 72)</b>	
	Seal .....	710319
<b>Torque Converter</b>		
<b>2002-1995</b>	<b>(Aisin 03 72)</b>	
	Repair Sleeve .....	223830
	Seal .....	

<b>5-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Torque Converter</b>		
<b>2005-2002</b>	<b>Sedona</b>	
	Cone/Cup .....	32009XA

<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Front Input Shaft</b>		
<b>2002-1995</b>	<b>(Getrag R15MXD)</b>	
	Repair Sleeve .....	1970
	Seal .....	
<b>Rear Output Shaft</b>		
<b>2002-1995</b>	<b>(Getrag R15MXD)</b>	
	Seal .....	710435

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
<b>2005-2004</b>	<b>Spectra</b>	
	Cone/Cup .....	30207

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>KIA- Amanti, Magentis, Optima, Rio, Sedona, Sephia, Spectra, Sorento, Sportage</b>					
<b>(cont.)</b>					

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Differential(cont)

2005-2001	Rio	
Cup/Cone .....		A17
2004-2001	Optima	
Cup/Cone .....		A35
2003-2000	Spectra	
Cup/Cone .....		A17
2002-1994	(Jatco F4A EL)	
Cup/Cone .....		A17
2001-1994	Sephia	
Cup/Cone .....		A17

### Torque Converter / Frt Pump

2005-2004	Amanti, Spectra	
Seal .....		320583
2004-2001	Optima	
Seal .....		320583
2002-1994	(Jatco F4A EL)	
Seal .....		710446
2001-1994	Sephia	
Seal .....		710446

### Output Shaft

2002-1994	(Jatco F4A EL)	
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543

## 5-SPEED MANUAL TRANSAXLE

### Differential

2004-2001	Optima	
Cup/Cone .....		A35
2003-2000	Spectra	
Cone/Cup .....		32008
1997-1994	(Mazda F52)	
Cup/Cone .....		A17

### Output Shaft

1997-1995	(Mazda G5M)	
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543
1997-1994	(Mazda F52)	
Cone/Cup ; LH .....		32205
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543

### Extension Housing

1997-1995	(Mazda G5M)	
Seal .....		221620

## 5-SPEED MANUAL TRANSAXLE(cont)

### Input Shaft

1997-1995	(Mazda G5M)	
Seal ; Outer .....		1990
Cup/Cone; Outer .....		A32
Repair Sleeve; Outer .....		513185
Wheel Brg; Inner .....		
1997-1994	(Mazda F52)	
Repair Sleeve .....		1990
Seal .....		

## CAMSHAFT SEAL

### 4 Cylinder

2005-2001	2351cc/ 2.4L	
Repair Sleeve .....		99139
Seal .....		3771
2004-2000	1793cc/1.8L	
Repair Sleeve .....		710355
Seal .....		
2002-1996	1998cc/2.0L (DOHC)	
Seal .....		223420
1997-1995	1597cc/1.6L (DOHC),1839cc/1.8L (DOHC)	
Seal .....		223420
1995	1998cc/2.0L	
Seal .....		223420
1995-1994	1597cc/1.6L	
Repair Sleeve .....		99114
Seal .....		223012

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2005-2001	1493cc/1.5L, 1594cc/1.6L	
Repair Sleeve .....		710355
Seal .....		
2005-2001	2.4L Optima	
Seal .....		224460
2004-2000	1793cc/1.8L	
Repair Sleeve .....		710355
Seal .....		
2002-1995	1998/2.0L	
Seal .....		223420
1997-1994	1597cc/1.6L, 1597cc/1.6L (DOHC), 1839cc/1.8L (DOHC)	
Repair Sleeve .....		710355
Seal .....		

### 6 Cylinder

2005-2002	2.7L Optima	
Repair Sleeve .....		710355
Seal .....		
2005-2002	3.5L Amanti, Sedona	
Repair Sleeve .....		710355
Seal .....		

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2005-2001	1493cc/1.5L (DOHC),1594cc/1.6L (DOHC)	
Seal .....		228250

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>KIA- Amanti, Magentis, Optima, Rio, Sedona, Sephia, Spectra, Sorento, Sportage (cont.)</b>					

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
2005-2001	2.4L	
Seal Viton .....		229005
2002-1995	1998/2.0L, 1998cc/2.0L (DOHC)	
Seal .....		229010
1997-1994	1597cc/1.6L, 1597cc/1.6L (DOHC), 1839cc/1.8L (DOHC)	
Seal .....		228250

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder</b>		
2005-2001	2.5L, 2.7L, 3.5L	
Seal Viton .....		229005

## LADA- 1300, NIVA, Samara, Signet

<b>FRONT WHEEL</b>		
1993-1987	Samara, Signet	
Ball Bearing .....		B35
1993-1984	Niva Truck	
Cone/Cup ; Outer .....		32008
Cone/Cup ; Inner .....		32008

<b>REAR WHEEL</b>		
1993-1987	All	
Ball Bearing .....		513116
1986-1983	All	
Ball Bearing .....		1981
Seal .....		

<b>CLUTCH</b>		
<b>Release Bearing</b>		
1990-1983	All	
Bearing Only .....		F11709C

<b>ALTERNATOR</b>		
1992-1983	All	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC

## LAFORZA- Laforza, Laforza Truck

<b>FRONT WHEEL</b>		
1992-1990	All	
Seal ; Inner .....		4250
Cup/Cone; Inner .....		A37
Cup/Cone; Outer .....		A35

<b>REAR WHEEL</b>		
1992-1990	All	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

## LAMBORGHINI-

<b>REAR AXLE</b>		
<b>Differential</b>		
1993-1988	Countach	
Cone/Cup .....		JM207049-JM207010

<b>REAR AXLE(cont)</b>		
<b>Pinion</b>		
1993-1988	Countach	
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		M802048-M802011

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>LANCIA- 2000, Appia, Aurelia, Beta, Flaminia, Flavia, Fulvia, Stratos, Zagato</b>					

## FRONT WHEEL

1982-1981	Zagato Ser.	
Ball Bearing .....		513116

## REAR WHEEL

1982-1981	ZagaTo Ser.	
Ball Bearing .....		513116

## ALTERNATOR

1982-1981	(Bosch)	
Ball Bearing ; Rear End .....		201S
Ball Bearing ; Drive End .....		303S

# LEXUS- FRONT DRIVE - ES250, ES300, ES330

## FRONT WHEEL

2006-2004	ES330	
Ball Bearing .....		510063
2003-1992	All	
Ball Bearing .....		510006
1991-1990	All	
Seal .....		5700
Seal ; Inner .....		4899
Seal ; Outer .....		1884
Ball Bearing ; Inner .....		514002

## REAR WHEEL

2006-2004	ES330	
Hub Assembly; RH .....		512207
Hub Assembly; LH .....		512206
2003-2002	ES300	
Hub Assembly; RH .....		512207
Hub Assembly; LH .....		512206
2001-1992	All	
Bearing Assm .....		512009
1991-1990	All	
Ball Bearing .....		513022
Seal .....		224210

## CLUTCH

### Release Bearing

1993-1990	6 Cyl 2507cc/2.5L DOHC, 2958cc/3.0L DOHC w/ 236mm Clutch	
Bearing Assembly .....		614084

## 4-SPEED AUTOMATIC TRANSAXLE

### Torque Converter / Frt Pump

2001-1990	(A540E, A541E)	
Repair Sleeve .....		223830
Seal .....		

### Output Shaft

2001-1990	(A540E, A541E)	
Seal ; RH .....		710112
Seal ; LH .....		712551

### Selector Shaft Seal/Man. Shaft

2001-1990	(U140E, A540E, A541E)	
Repair Sleeve .....		221207
Seal .....		

## 5-SPEED AUTOMATIC TRANSAXLE

### Selector Shaft Seal/Man. Shaft

2003-2002	(U150E, U151E)	
Repair Sleeve .....		221207
Seal .....		

### Torque Converter

2003-2002	(U150E, U151E)	
Repair Sleeve .....		99157
Seal .....		224020

## 5-SPEED MANUAL TRANSAXLE

### Differential

1993-1992	(E53)	
Cone/Cup ; RH .....		30210
1991-1990	(E52)	
Cone/Cup ; RH .....		30210

### Output Shaft

1993-1992	(E53)	
Repair Sleeve; LH .....		99139
Seal ; LH .....		223540
Seal Viton ; RH .....		224026
1991-1990	(E52)	
Seal .....		710112

### Selector Shaft Seal/Man. Shaft

1993-1990	All	
Repair Sleeve .....		1015N
Seal .....		

### Input Shaft

1993-1992	(E53)	
Seal .....		223010
1991-1990	(E52)	
Seal .....		223010

## CAMSHAFT SEAL

### 6 Cylinder

2006-2004	3300cc/3.3L	
Repair Sleeve .....		99157
Seal .....		224020

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## LEXUS- FRONT DRIVE - ES250, ES300, ES330 (cont.)

### CAMSHAFT SEAL(cont)

#### 6 Cylinder(cont)

2003-1992	2959cc/3.0L DOHC, 2995cc/3.0L DOHC	
	Repair Sleeve .....	223801
	Seal .....	
1993-1992	2958cc/3.0L (DOHC)	
	Seal .....	223801
1991-1990	2507cc/2.5L (DOHC)	
	Seal .....	223801

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2006-2004	3300cc/3.3L	
	Repair Sleeve .....	99157
	Seal .....	224020
2003-1992	2959cc/3.0L, 2995cc/3.0L	
	Repair Sleeve .....	99157
	Seal .....	224020
1991-1990	2507cc/2.5L	
	Repair Sleeve .....	99157
	Seal .....	224020

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2006-2004	3300cc/3.3L	
	Seal Viton .....	229210

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder(cont)

2003-1990	2508cc/2.5L, 2959cc/3.0L, 2995/3.0L (DOHC)	
	Seal Viton .....	229210

### OIL PUMP

#### 6 Cylinder

2002-1994	2959cc/3.0L DOHC, 2995cc/3.0L DOHC	
	Repair Sleeve .....	99157
	Seal .....	224020

## LEXUS- REAR DRIVE - GS300, GS400, GS430, IS250, IS300, IS350, LS400, LS430, SC300, SC400, SC430

### FRONT WHEEL

2007-2006	SC430	
	Ball Bearing .....	510017
	Seal .....	1941
2006-2001	LS430	
	Hub Assembly .....	513163
2005-2001	IS300	
	Ball Bearing .....	513150
2005-1998	GS300, GS400, GS430, SC300, SC400, SC430	
	Ball Bearing .....	510017
	Seal .....	1941
2000-1998	LS400	
	Ball Bearing .....	510071
1997-1990	All	
	Ball Bearing .....	510017
	Seal .....	1941

### REAR WHEEL

2007-2006	SC430	
	Ball Bearing .....	511028
2006-2001	LS430	
	Hub Assembly .....	512205

### REAR WHEEL(cont)

2005-2001	IS300	
	Ball Bearing .....	511028
2005-1998	GS300, GS400, GS430, SC430	
	Ball Bearing .....	511028
2000-1998	LS400, SC300, SC400	
	Seal ; Inner .....	1928
	Seal ; Outer .....	1935
	Ball Bearing ; Inner .....	511007
1997-1990	All	
	Seal ; Inner .....	1928
	Seal ; Outer .....	1935
	Ball Bearing ; Inner .....	511007

### CLUTCH

#### Pilot Bearing

1996-1992	6 Cyl 2997cc/3.0L DOHC	
	Ball Bearing .....	201CC

#### Release Bearing

1996-1992	6 Cyl	
	Bearing Assembly .....	614088

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>LEXUS- REAR DRIVE - GS300, GS400, GS430, IS250, IS300, IS350, LS400, LS430, SC300, SC400, SC430 (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2000-1990 (A340E)		
Repair Sleeve .....	99157	
Seal .....	3459	

### Selector Shaft Seal/Man. Shaft

2000-1990 (A340E)		
Repair Sleeve .....	221207	
Seal .....		

### Torque Converter

2000-1990 (A340E)		
Repair Sleeve .....	223830	
Seal .....		

## 5-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1996 (A650E)		
Seal .....	710142	

### Torque Converter

2002-1996 (A650E)		
Repair Sleeve .....	223830	
Seal .....		

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

2004-1992 (W55, W58)		
Repair Sleeve .....	99114	
Seal .....	1981	

### Rear Output Shaft

2004-1992 (W55, W58)		
Repair Sleeve .....	223840	
Seal .....		

## CAMSHAFT SEAL

### 6 Cylinder

2005-1992 2997cc/3.0L (DOHC)		
Seal .....	710436	

## CAMSHAFT SEAL(cont)

### 8 Cylinder

2000-1990 3969cc/4.0L (DOHC)		
Seal .....	223802	

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

2005-1992 2997cc/3.0L		
Seal .....	224663	

### 8 Cylinder

2006-2001 4294cc/4.3L		
Repair Sleeve .....	99157	
Seal .....	224020	

## CRANKSHAFT REAR SEAL

### 6 Cylinder

2006 3456cc/3.5L		
Seal Viton .....	229210	

2005-1992 2997cc/3.0L (DOHC)		
Seal Viton .....	229005	

### 8 Cylinder

2006-1996 3969cc/4.0L (DOHC), 4293cc/4.3L (DOHC)		
Seal Viton .....	710352	

## OIL PUMP

### 8 Cylinder

2000-1996 3969cc/4.0L (DOHC)		
Seal .....	473677	

# LEXUS TRUCK- SUV - GX470, LX450, LX470, RX300, RX330, RX350

## FRONT WHEEL

### 2WD

2007-2004 RX330, RX350		
Ball Bearing .....	510063	
2003-1999 RX300		
Ball Bearing .....	510006	

### 4WD/AWD

2007-2004 RX330, RX350		
Ball Bearing .....	510063	

## FRONT WHEEL(cont)

### 4WD/AWD(cont)

2007-1998 LX470		
Cone/Cup ; Inner .....	JLM506849A-JLM506810	
Seal ; Inner .....		
2006-2003 GX470		
Bearing Assm .....	515040	
2003-1999 RX300		
Ball Bearing .....	510006	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>LEXUS TRUCK- SUV - GX470, LX450, LX470, RX300, RX330, RX350 (cont.)</b>					

## FRONT WHEEL(cont)

<b>4WD/AWD(cont)</b>		
1997-1996	LX450	
Cone/Cup ; Inner	.....	JLM104948-JLM104910
Seal ; Inner	.....	226285

## REAR WHEEL

2007-1998	LX470	
Ball Bearing	.....	510011
2006-2003	GX470	
Bearing Assm; LH	.....	512227
Bearing Assm; RH	.....	512228
2003-1999	RX300 (AWD)	
Seal ; Outer	.....	225275
Ball Bearing ; Inner	.....	514002
2003-1999	RX300 (FWD)	
Bearing Assm	.....	512009
1997-1996	LX450	
Cone/Cup ; Inner	.....	JLM104948-JLM104910
Seal ; Inner	.....	226285

## 4WD FRONT AXLE

<b>Differential</b>		
2002-1996	(8.875" R.G.)	
Cone/Cup	.....	32010X
<b>Pinion</b>		
2002-1996	(8.875" R.G.)	
Seal ; Outer	.....	1177

## REAR AXLE

<b>Differential</b>		
2002-1999	(6.7" R.G.)	
Seal	.....	710419
Cup/Cone	.....	A35
2002-1996	(8.875" R.G.)	
Cone/Cup	.....	32010X
<b>Pinion</b>		
2002-1999	(6.7" R.G.)	
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM88649-HM88610
Seal ; Outer	.....	1176
2002-1996	(8.875" R.G.)	
Seal ; Outer	.....	1177

## 4-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
2003-1998	(A343F)	
Repair Sleeve	.....	99157
Seal	.....	3459
1997-1996	(A442F)	
Seal	.....	224820
<b>Selector Shaft Seal/Man. Shaft</b>		
2003-1996	(A343F, A442F)	
Repair Sleeve	.....	221207
Seal	.....	

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

<b>Torque Converter</b>		
2003-1998	(A343F)	
Repair Sleeve	.....	223830
Seal	.....	
1997-1996	(A442F)	
Seal Viton	.....	2025

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
2003-1999	(U140E, U140F)	
Seal	.....	710416
<b>Torque Converter / Frt Pump</b>		
2003-1999	(U140E, U140F)	
Repair Sleeve	.....	223830
Seal	.....	
<b>Output Shaft</b>		
2003-1999	(U150E, U151E)	
Repair Sleeve	.....	99139
Seal	.....	223540
<b>Selector Shaft Seal/Man. Shaft</b>		
2003-1999	(U140E, U140F)	
Repair Sleeve	.....	221207
Seal	.....	

## TRANSFER CASE

<b>Input Shaft</b>		
1997-1996	(HF2AV)	
Seal	.....	224810
<b>Front Output Shaft</b>		
1997-1996	(HF2AV)	
Ball Bearing	.....	224815
Seal	.....	
<b>Rear Output Shaft</b>		
1997-1996	(HF2AV)	
Ball Bearing	.....	110
Seal	.....	710173

## ALTERNATOR

1997-1996	(Nippondenso 90) (Amp.)	
Ball Bearing ; Drive End	.....	302CC

## CAMSHAFT SEAL

<b>6 Cylinder</b>		
2003-1999	2995cc/3.0L (DOHC)	
Seal	.....	223801
<b>8 Cylinder</b>		
2006-1998	4664cc/4.7L	
Seal	.....	223802

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## LEXUS TRUCK- SUV - GX470, LX450, LX470, RX300, RX330, RX350 (cont.)

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2006-2004	3300cc/3.3L	
Repair Sleeve .....		99157
Seal .....		224020
2003-1999	All	
Repair Sleeve .....		99157
Seal .....		224020
1997-1996	4476cc/4.5L	
Seal .....		710187

#### 8 Cylinder

2005-1998	4664cc/4.7L	
Repair Sleeve .....		99157
Seal .....		224020

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2006-2004	3300cc/3.3L	
Seal Viton .....		229210
2003-1999	2997cc/3.0L	
Seal Viton .....		229210
1997-1996	4476cc/4.5L	
Seal .....		710526

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder

2006-1998	4664cc/4.7L	
Seal Viton .....		710352

### OIL PUMP

#### 6 Cylinder

2002-1999	2995cc/3.0L (DOHC)	
Repair Sleeve .....		99157
Seal .....		224020

#### 8 Cylinder

2002-1998	4664cc/4.7L	
Seal .....		473677

## LEXUS TRUCK- SUV - RX400H

### FRONT WHEEL

2007-2006	All	
Ball Bearing .....		510063

## LINCOLN- FRONT DRIVE - Continental

### FRONT WHEEL

2002-1995	All	
Hub Assembly .....		513100
1994-1991	(From 2/1/91)	
Ball Bearing .....		513058
Hub Kit .....		520100 <sup>25</sup>
1991-1988	(Thru 1/31/91)	
Ball Bearing .....		513058
Hub Kit .....		520000 <sup>25</sup>

### REAR WHEEL

2002-1993	All	
Hub Assembly .....		512107
1992-1990	All	
Hub Assembly .....		512105

### REAR WHEEL(cont)

1989-1988	All	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A12

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

2002-1988	All	
Ball Bearing .....		208

#### Torque Converter / Frt Pump

2002-1988	All	
Seal .....		4189H

#### Output Shaft

2002-1988	All	
Repair Sleeve .....		99169
Seal .....		3622

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## LINCOLN- FRONT DRIVE - Continental (cont.)

<b>ALTERNATOR</b>			<b>CRANKSHAFT FRONT SEAL</b>		
<b>1990-1988 (Motorcraft)</b>			<b>6 Cylinder</b>		
	Ball Bearing; Drive End .....	203FF	<b>1994-1988 232/3.8L</b>		
	Needle Bearing; Rear End .....	MNJ471S	Repair Sleeve; Frt Entry .....		99187
<b>POWER STEERING</b>			Repair Sleeve; Rr Entry .....		99187
<b>Input Shaft</b>			Seal ; Frt Entry .....		2692
<b>1995-1988 All</b>	Seal .....	471645	Seal ; Rr Entry .....		2942
<b>Pump Shaft</b>			<b>8 Cylinder</b>		
<b>2002-1988 All</b>	Seal .....	8773S	<b>2002-1995 281/4.6L</b>		
<b>Worm Shaft</b>			Repair Sleeve .....		99187
<b>1995-1988 All</b>	Ball Bearing .....	201CC	Seal .....		482041N
<b>Pitman Shaft</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>1992-1988 All</b>	Seal .....	710504	<b>6 Cylinder</b>		
			<b>1994-1988 232/3.8L</b>		
			Seal Viton .....		3909
			Repair Sleeve .....		99363
			Seal PTFE H/D .....		
			<b>8 Cylinder</b>		
			<b>2002-1995 281/4.6L</b>		
			Seal Viton .....		3909
			Repair Sleeve .....		99363
			Seal PTFE H/D .....		

## LINCOLN- REAR DRIVE - Continental, LS, Mark Series, Town Car, Versailles

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
<b>2008-2005 Town Car (From 2/24/05)</b>	Hub Assembly .....	513230	<b>1980 Versailles</b>	Seal ; Inner .....	6815
<b>2006-2000 LS</b>	Hub Assembly .....	513167		Cup/Cone; Inner .....	A13
<b>2005-2003 Town Car (Thru 2/23/05)</b>	Hub Assembly .....	513196		Cup/Cone; Outer .....	A12
<b>2002-1997 Town Car (From 4/1/97)</b>	Hub Assembly .....	513202	<b>REAR WHEEL</b>		
<b>1998-1993 Mark VIII</b>	Hub Assembly .....	513092	<b>2006-2000 LS</b>	Ball Bearing .....	511032
<b>1997-1992 Town Car (Thru 3/31/97)</b>	Hub Assembly .....	513104	<b>2006-1993 Continental, Town Car</b>	Seal .....	8660S
<b>1993-1982 (Exc. Town Car)</b>	Seal ; Inner .....	9150S		Cyl. Bearing .....	5707
	Cup/Cone; Inner .....	A5		Optional Repair Bearing .....	RP5707 <sup>91</sup>
	Cup/Cone; Outer .....	A12	<b>2005-1990 Town Car (Limo. Ch.)</b>	Seal .....	8835S
<b>1991-1982 Town Car</b>	Seal ; Inner .....	6815		Cyl. Bearing .....	6408
	Cup/Cone; Inner .....	A18		Optional Repair Bearing .....	RP6408 <sup>91</sup>
	Cup/Cone; Outer .....	A12	<b>1998-1993 Mark VIII</b>	Ball Bearing .....	513058
<b>1981-1980 (Exc. Versailles)</b>	Seal ; Inner .....	6815	<b>1992-1980 (Exc. Limo. Ch.)</b>	Seal .....	8660S
	Cup/Cone; Inner .....	A18		Cyl. Bearing .....	5707
	Cup/Cone; Outer .....	A12		Optional Repair Bearing .....	RP5707 <sup>91</sup>
			<b>1980 (9" R.G.)</b>	Ball Bearing .....	514003
				Seal .....	51098

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>LINCOLN- REAR DRIVE - Continental, LS, Mark Series, Town Car, Versailles</b>					
<b>(cont.)</b>					

## REAR AXLE

### Differential

<b>2006-2000</b>	<b>LS</b>	
Cup/Cone .....		A36
<b>2006-1981</b>	<b>Town Car</b>	
Cup/Cone .....		A36
<b>1998-1993</b>	<b>Mark Ser.</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1988-1984</b>	<b>Exc. Town Car</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1983-1982</b>	<b>Continental</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1983-1982</b>	<b>Exc. Continental</b>	
Cup/Cone .....		A36
<b>1981-1980</b>	<b>(8.5" R.G.)</b>	
Cup/Cone .....		A36

### Pinion

<b>2006-2000</b>	<b>(8" R.G.)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
<b>2006-1999</b>	<b>(8.8" R.G.)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
<b>1998-1980</b>	<b>All</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
Cyl. Bearing .....	R1535TAV	

### Axle Shaft

<b>2002-2000</b>	<b>(IRS 8" R.G.)</b>	
Seal Viton .....		714569
<b>1998-1989</b>	<b>(IRS 7.5" R.G., IRS 8.8" R.G.)</b>	
Seal Viton .....		714569
<b>1988-1984</b>	<b>(IRS 7.5" R.G.)</b>	
Seal Viton .....		714569

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1980</b>	<b>(C6)</b>	
Seal .....		7300S
Seal Kit .....		5203

### Selector Shaft Seal/Man. Shaft

<b>1980</b>	<b>All</b>	
Seal .....		7929S

### Torque Converter

<b>1980</b>	<b>(C6)</b>	
Seal .....		331107N

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>2002-1995</b>	<b>(AODE)</b>	
Seal .....		4764

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

### Rear Seal/Ext. Housing(cont)

<b>1994-1981</b>	<b>(AODE)</b>	
Seal .....		7692S
Seal Kit .....		5202
<b>1991-1981</b>	<b>(AOT, AOD) (long boot)</b>	
Seal .....		7692S
Seal Kit .....		5202
<b>1985-1984</b>	<b>(ZF 4HP 22)</b>	
Seal .....		2655

### Selector Shaft Seal/Man. Shaft

<b>2005-1981</b>	<b>All</b>	
Seal .....		7929S

### Torque Converter

<b>1991-1981</b>	<b>(AOT, AOD)</b>	
Seal .....		331107N
<b>1985-1984</b>	<b>(ZF 4HP 22)</b>	
Seal .....		224015

## ALTERNATOR

<b>1990</b>	<b>(Motorcraft) (w/o 95 Amp.)</b>	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S
<b>1989-1980</b>	<b>(Motorcraft)</b>	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>2005-2000</b>	<b>182/3.0L</b>	
Repair Sleeve .....		99187
Seal .....		482041N
<b>1984</b>	<b>146/2.4L (Diesel)</b>	
Seal Viton .....		716484
<b>1982</b>	<b>232/3.8L</b>	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

### 8 Cylinder

<b>2006-1991</b>	<b>281/4.6L</b>	
Repair Sleeve .....		99187
Seal .....		482041N
<b>1991-1980</b>	<b>302/5.0L, 351/5.8L, 400/6.6L, 460/7.5L</b>	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>LINCOLN- REAR DRIVE - Continental, LS, Mark Series, Town Car, Versailles</b>					
<b>(cont.)</b>					

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2005-2000	182/3.0L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
1984	2443cc/2.4L (Diesel)	
Seal Viton .....		229005
1982	232/3.8L	
Seal Rope .....		5095
Seal Split .....		5108
<b>8 Cylinder</b>		
2006-1984	281/4.6L, 302/5.0L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1983	302/5.0L From 11/82	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
1983	302/5.0L Thru 11/82	
Seal Rope .....		5095
Seal Split .....		5108
1982-1980	302/5.0L, 351/5.8L	
Seal Rope .....		5095
Seal Split .....		5108

## LINCOLN TRUCK- PICKUP, SUV - Aviator, Blackwood, Navigator

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2008-2007	MKX	
Wheel Brg .....		510063
2006-2003	Navigator	
Hub Assembly .....		515042
2005-2003	Aviator	
Hub Assembly .....		515050
2002-1998	All	
Cone/Cup ; Outer .....		A12
Cone/Cup ; Inner .....		A18
Seal ; Inner .....		4148
<b>4WD/AWD</b>		
2006-2003	Navigator	
Hub Assembly .....		515043
2005-2003	Aviator	
Hub Assembly .....		515050
2002-2000	(ABS) (M14 Bolts)	
Hub Assembly .....		515031
2000-1998	(ABS) (M12 Bolts)	
Hub Assembly .....		515004

<b>REAR WHEEL</b>		
2005-2003	Aviator	
Hub Assembly .....		541002
2002	Blackwood	
Seal Viton .....		100357
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>

<b>REAR WHEEL(cont)</b>		
2002-1998	Navigator (Exc. Indep. Rr. Susp.)	
Seal Viton .....		100357
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
2005-2003	Aviator	
Cone/Cup .....		LM501349-LM501314
2002-1998	(8.8" R.G.)	
Cup/Cone .....		A36
<b>Pinion</b>		
2006-1998	(8.8" R.G.)	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

<b>REAR AXLE</b>		
<b>Differential</b>		
2002-1998	(8.8" R.G.)	
Cup/Cone .....		A36
<b>Pinion</b>		
2006-2003	(9.75" R.G.)	
Seal Viton .....		4278
Cone/Cup ; Outer .....		HM89443-HM89411

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## LINCOLN TRUCK- PICKUP, SUV - Aviator, Blackwood, Navigator (cont.)

### REAR AXLE(cont)

#### Pinion(cont)

2005-1998 (8.8" R.G.)		
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	M802048-M802011	
2002-1998 (9.75" R.G.)		
Seal Viton .....		3604
Cone/Cup ; Outer .....	M88048-M88010	

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

2004-1998 (AODE)		
Seal .....		7300S

#### Selector Shaft Seal/Man. Shaft

2005-1998 (AODE)		
Seal .....		7929S

#### Torque Converter

2002-1998 (AODE)		
Seal .....		3404

### TRANSFER CASE

#### Selector Shaft Seal/Man. Shaft

2002-1998 (Warner 4406, 4416)		
Seal .....		330385

#### Input Shaft

2002-1998 (Warner 4406)		
Ball Bearing .....		211

#### Front Output Shaft

2003 All		
Seal .....		4503N
2002-1998 (Warner 4406, 4416)		
Ball Bearing .....		208
Seal .....		4333N

#### Rear Output Shaft

2002 (Warner 4416)		
Seal .....		4503N

### TRANSFER CASE(cont)

#### Rear Output Shaft(cont)

2002-1998 (Warner 4406)		
Ball Bearing .....		207
Seal .....		4503N

### POWER STEERING

#### Pump Shaft

2001-1998 All		
Seal .....		8773S

### CRANKSHAFT FRONT SEAL

#### 8 Cylinder

2005-2003 281/4.6L		
Repair Sleeve .....		99187
Seal .....		482041N
2005-1998 330/5.4L (DOHC)		
Repair Sleeve .....		99187
Seal .....		482041N
2000-1998 330/5.4L (SOHC)		
Repair Sleeve .....		99187
Seal .....		482041N

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

2006-1998 330/5.4L		
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
2005-2003 281/4.6L		
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

## LINCOLN TRUCK- PICKUP, SUV - Mark LT

### REAR WHEEL

2007-2006 All		
Seal Viton .....		100357
Cyl. Bearing .....		R1561TV
Optional Repair Bearing .....		RP1561FO <sup>91</sup>

### 4WD FRONT AXLE

#### Pinion

2006 (8.8" R.G.)		
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

### REAR AXLE

#### Differential

2006 (10.25" R.G.)		
Cone/Cup .....		469-453X

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>LINCOLN TRUCK- PICKUP, SUV - Mark LT (cont.)</b>					

<b>REAR AXLE(cont)</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Differential(cont)</b>			<b>8 Cylinder</b>		
2006	(8.8" R.G.)		2006	5.4L	
Cup/Cone	.....	A36	Seal Viton	.....	3909
<b>Pinion</b>					
2006	(10.25" R.G.)				
Seal Viton	.....	4278			
Cone/Cup ; Outer	.....	HM89443-HM89411			
2006	(8.8" R.G.)				
Seal Viton	.....	3604			
Cone/Cup ; Outer	.....	M88048-M88010			
Cone/Cup ; Inner	.....	M802048-M802011			
2006	(9.75" R.G.)				
Seal Viton	.....	4278			
Cone/Cup ; Outer	.....	HM89443-HM89411			

## LOTUS- Eclat, Elan, Elise, Elite, Esprit, Europa, Exige, Seven

<b>FRONT WHEEL</b>		
1989-1981	Esprit	
Cup/Cone; Inner	.....	A4
Cup/Cone; Outer	.....	A2
1980	Esprit	
Cup/Cone; Inner	.....	A15
Cup/Cone; Outer	.....	A1

## M.G.- MGB, Midget, PA Midget, PB Midget

<b>FRONT WHEEL</b>			<b>REAR AXLE</b>		
1980	MGB, MGB GT, MGB V8		<b>Pinion</b>		
Seal ; Inner	.....	224820	1980	MGB (Banjo Type Diff.)	
Cup/Cone; Inner	.....	A6	Seal	.....	481837
Cup/Cone; Outer	.....	A2	Cone/Cup ; Outer	.....	M88048-M88010
1980	Midget (Ball Brg.)		Cone/Cup ; Inner	.....	HM801346X-HM801310
Seal ; Inner	.....	471192	1980	MGB (Tube Type Diff.)	
Ball Bearing ; Inner	.....	7205	Seal	.....	224470
Ball Bearing ; Outer	.....	7303	Cone/Cup ; Outer	.....	M88048-M88010
1980	Midget (Rlr. Brg. Conversion)		Cone/Cup ; Inner	.....	HM801346X-HM801310
Cone/Cup ; Outer	.....	30303	1980	MGB GT	
Cone/Cup ; Inner	.....	30205	Seal	.....	224470
Seal ; Inner	.....	471192	Cone/Cup ; Outer	.....	M88048-M88010
<b>REAR WHEEL</b>			Cone/Cup ; Inner	.....	HM801346X-HM801310
1980	MGB				
Seal	.....	473234			
1980	MGB GT				
Seal	.....	473234			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MACK TRUCK- 200 Series, 250 Series, 300 Series

### FRONT WHEEL

<b>1993-1984</b>	<b>(RVI 408.06 Axle)</b>	
Cone/Cup ; Outer .....		717004
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1993-1980</b>	<b>(RVI Axle) (0.9744" wide Brg.)</b>	
Cone/Cup ; Outer .....		33208
Cone/Cup ; Inner .....		33211
Seal ; Inner .....		717005
<b>1993-1980</b>	<b>(RVI Axle) (1.2600" wide Brg.)</b>	
Cone/Cup ; Outer .....		32208
Cone/Cup ; Inner .....		33211
Seal ; Inner .....		717005

### REAR WHEEL

<b>1993-1980</b>	<b>All</b>	
Cone/Cup ; Outer .....		370220A <sup>21</sup>
Cone/Cup ; Inner .....		
Seal ; Inner .....		

### REAR AXLE

#### Differential

<b>1993-1980</b>	<b>(Eaton 16247 Axle)</b>	
Cone/Cup ; LH .....		495A-493
Cone/Cup ; RH .....		42381-42584
<b>1993-1980</b>	<b>(Eaton 18207, 18227, 22127, 22227 Axles)</b>	
Cone/Cup ; LH .....		56425-56650
Cone/Cup ; RH .....		
<b>1993-1980</b>	<b>(RVI Axle)</b>	
Cone/Cup .....		JM716649-JM716610

### REAR AXLE(cont)

#### Pinion

<b>1993-1980</b>	<b>(Eaton 16247 Axle)</b>	
Repair Sleeve .....		99262
Seal .....		9773
Cone/Cup ; Outer .....		55175C-55437
Cone/Cup ; Inner .....		55175C-55437
Cyl. Bearing .....		MUS1307UM
<b>1993-1980</b>	<b>(Eaton 18207, 18227 Axles)</b>	
Repair Sleeve .....		99262
Seal .....		9773
Cone/Cup ; Outer .....		55200C-55437
Cone/Cup ; Inner .....		55200C-55437
Cyl. Bearing .....		MUS1307UM
<b>1993-1980</b>	<b>(Eaton 22127, 22227 Axles)</b>	
Repair Sleeve .....		99262
Seal .....		9773
Cone/Cup ; Outer .....		72200C-72487
Cone/Cup ; Inner .....		72200C-72487
Cyl. Bearing .....		MUS1307UM
<b>1993-1980</b>	<b>(RVI Axle)</b>	
Cone/Cup ; Outer .....		HM807040-HM807010
Cone/Cup ; Inner .....		65390-65320

### CLUTCH

#### Pilot Bearing

<b>1991-1984</b>	<b>6 Cyl 8.8L Turbo Diesel</b>	
Ball Bearing .....		305DD
<b>1991-1980</b>	<b>6 Cyl 5.5L Turbo Diesel</b>	
Ball Bearing .....		105CC

## MASERATI- 228i, 430i, BiTurbo, Bora, Khamsin, Quattroporte, Spyder

### FRONT WHEEL

<b>1991-1989</b>	<b>Spyder</b>	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1990</b>	<b>228i</b>	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1990</b>	<b>430i</b>	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1987-1984</b>	<b>BiTurbo</b>	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1986-1980</b>	<b>Quattroporte</b>	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2

### REAR WHEEL

<b>1991-1987</b>	<b>Spyder</b>	
Cone/Cup ; Outer .....		LM300849-LM300811

### REAR WHEEL(cont)

<b>1990-1989</b>	<b>228i</b>	
Cone/Cup ; Outer .....		LM300849-LM300811
<b>1990-1989</b>	<b>430i</b>	
Cone/Cup ; Outer .....		LM300849-LM300811
<b>1987-1984</b>	<b>BiTurbo</b>	
Cone/Cup ; Outer .....		LM300849-LM300811
<b>1986-1980</b>	<b>Quattroporte</b>	
Cone/Cup ; Outer .....		JLM104948-JLM104910
Cone/Cup ; Inner .....		JLM506849-JLM506810

### REAR AXLE

#### Differential

<b>1990-1989</b>	<b>228i, 430i</b>	
Cone/Cup .....		LM501349-LM501311
<b>1987-1985</b>	<b>BiTurbo, Spyder</b>	
Cone/Cup .....		LM501349-LM501311
<b>1980</b>	<b>Bora</b>	
Cone/Cup .....		25590-25520

<sup>21</sup> Oil Bath Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MASERATI- 228i, 430i, BiTurbo, Bora, Khamsin, Quattroporte, Spyder (cont.)</b>					

## REAR AXLE(cont)

### Pinion

<b>1987-1984 Biturbo</b>		
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	LM501349-LM501311	
<b>1986-1980 Quattroporte I</b>		
Cone/Cup ; Outer .....	JLM104948-JLM104910	
Cone/Cup ; Inner .....	JLM506849-JLM506810	

## MAZDA- FRONT WHEEL DRIVE - GLC (81-85), Mazda3, Mazda5, Mazda6, Millenia, MX-3, MX-6, Protege, Protege AWD, 323, 323 AWD, 626 (83->)

### FRONT WHEEL

<b>2006-2004 Mazda3 (ABS)</b>		
Hub Assembly .....	513211	
<b>2006-2003 Mazda6</b>		
Ball Bearing .....	510053	
<b>2003-1990 Protege</b>		
Ball Bearing .....	510003	
Seal .....	1932	
<b>2002-2001 Millenia (2.3L)</b>		
Ball Bearing .....	510051	
Seal .....	710392	
<b>2002-2001 Millenia (2.5L)</b>		
Ball Bearing .....	510010	
Seal .....	1932	
<b>2002-1998 626</b>		
Ball Bearing .....	510010	
Seal .....	1932	
<b>2000-1997 Millenia</b>		
Ball Bearing .....	510010	
Seal .....	1932	
<b>1997-1993 626</b>		
Ball Bearing .....	510010	
Seal .....	1932	
<b>1997-1993 MX-6</b>		
Ball Bearing .....	510010	
Seal .....	1932	
<b>1996-1995 Millenia (2.3L)</b>		
Ball Bearing .....	510051	
Seal .....	710392	
<b>1996-1995 Millenia (2.5L)</b>		
Ball Bearing .....	510010	
Seal .....	1932	
<b>1996-1992 MX-3</b>		
Ball Bearing .....	510003	
Seal .....	1932	
<b>1994-1990 323</b>		
Ball Bearing .....	510003	
Seal .....	1932	

### FRONT WHEEL(cont)

<b>1992-1989 MX-6</b>		
Seal .....		1932
Wheel Brg .....		513057
<b>1992-1988 626</b>		
Seal .....		1932
Wheel Brg .....		513057
<b>1989-1986 323</b>		
Seal ; Inner .....		4990
Seal ; Outer .....		710323
Cup/Cone; Inner .....		A18
Cup/Cone; Outer .....		A18
<b>1987-1983 626</b>		
Ball Bearing .....		513014
<b>1985-1981 GLC (Exc. Wagon)</b>		
Seal ; Inner .....		4990
Seal ; Outer .....		710323
Cup/Cone; Inner .....		A18
Cup/Cone; Outer .....		A18
<b>1983-1981 GLC (Wagon)</b>		
Seal ; Inner .....		1213N
Seal ; Outer .....		A1
Cup/Cone; Outer .....		99157
Repair Sleeve; Inner .....		

### REAR WHEEL

<b>2006-2003 Mazda6 (ABS)</b>		
Hub Assembly .....		512271
<b>2006-2003 Mazda6 (Non-ABS)</b>		
Hub Assembly .....		512272
<b>2003-1990 Protege (Drum)</b>		
Hub Assembly .....		513030
<b>2002-2001 Millenia (ABS) (Disc)</b>		
Hub Assembly .....		513131
<b>2002-2001 Protege (ABS) (Disc)</b>		
Hub Assembly .....		513131
<b>2002-1998 626 (ABS)</b>		
Hub Assembly .....		512186
<b>2002-1993 626 (Non-ABS)</b>		
Hub Assembly .....		512119
<b>2000-1995 Millenia</b>		
Hub Assembly .....		512118

# Bearings and Seals

YEAR APPLICATION Part. No. YEAR APPLICATION Part. No.  
**MAZDA- FRONT WHEEL DRIVE - GLC (81-85), Mazda3, Mazda5, Mazda6, Millenia, MX-3, MX-6, Protege, Protege AWD, 323, 323 AWD, 626 (83->) (cont.)**

## REAR WHEEL(cont)

<b>2000-1995 Protege (Disc)</b>	
Hub Assembly .....	512161
<b>1997-1993 626 (ABS)</b>	
Hub Assembly .....	512118
<b>1997-1993 MX-6 (ABS)</b>	
Hub Assembly .....	512118
<b>1997-1993 MX-6 (Non-ABS)</b>	
Hub Assembly .....	512119
<b>1994-1992 MX-3 (Disc)</b>	
Hub Assembly .....	512161
<b>1994-1992 MX-3 (Non-ABS)</b>	
Hub Assembly .....	513030
<b>1994-1990 323</b>	
Hub Assembly .....	513030
<b>1992-1990 626 (4 Whl. Steering)</b>	
Seal .....	710191
Wheel Brg .....	513245
<b>1992-1990 626 (Exc. 4 Whl. Steering)</b>	
Seal .....	224235
Wheel Brg .....	513055
<b>1992-1990 MX-6 (4 Whl. Steering)</b>	
Seal .....	710191
Wheel Brg .....	513245
<b>1992-1990 MX-6 (Exc. 4 Whl. Steering)</b>	
Seal .....	224235
Wheel Brg .....	513055
<b>1991-1990 Protege (AWD)</b>	
Ball Bearing .....	510003
Seal .....	1932
<b>1989-1988 323 (AWD)</b>	
Seal ; Inner .....	4990
Seal ; Outer .....	710323
Cup/Cone; Inner .....	A18
Cup/Cone; Outer .....	A18
<b>1989-1988 626</b>	
Seal .....	224235
Wheel Brg .....	513055
<b>1989-1988 MX-6</b>	
Seal .....	224235
Wheel Brg .....	513055
<b>1989-1987 323 (Exc. GTX, Wagon)</b>	
Seal ; Inner .....	710311
Cup/Cone; Inner .....	A15
Cup/Cone; Outer .....	A2
<b>1988-1987 323 (Wagon)</b>	
Cone/Cup ; Inner .....	15123-15245
Seal ; Inner .....	1973
Cup/Cone; Outer .....	A2
<b>1987-1983 626</b>	
Seal ; Inner .....	1126
Cup/Cone; Inner .....	A4
Cup/Cone; Outer .....	A2

## REAR WHEEL(cont)

<b>1986 323</b>	
Seal ; Inner .....	710311
Cup/Cone; Inner .....	A15
Cup/Cone; Outer .....	A2
<b>1985-1981 GLC</b>	
Seal ; Inner .....	710217
Cup/Cone; Inner .....	A4
Cup/Cone; Outer .....	A1

## REAR AXLE

### Pinion

<b>1991-1988 Protege (AWD), 323 (AWD)</b>	
Cone/Cup ; Outer .....	32205
Cone/Cup ; Inner .....	32206
Seal ; Outer .....	710217

## CLUTCH

### Pilot Bearing

<b>1996-1980 All</b>	
Ball Bearing .....	202SS

### Release Bearing

<b>2002-2001 626 4 Cyl</b>	
Bearing Assembly .....	614067
<b>2002-2001 Protégé 4 Cyl 1.6L</b>	
Bearing Assembly .....	614128
<b>2002-2001 Protégé 4 Cyl 2.0L</b>	
Bearing Assembly .....	614067
<b>1997-1993 626 4 Cyl</b>	
Bearing Assembly .....	614079
<b>1997-1993 MX-6 4 Cyl</b>	
Bearing Assembly .....	614079
<b>1996-1993 626 6 Cyl</b>	
Bearing Assembly .....	614079
<b>1996-1993 MX-6 6 Cyl</b>	
Bearing Assembly .....	614079
<b>1996-1990 Protege FWD SOHC</b>	
Bearing Assembly .....	614128
<b>1995-1992 MX-3</b>	
Bearing Assembly .....	614128
<b>1993-1990 323 SOHC</b>	
Bearing Assembly .....	614128
<b>1993-1988 MX-6 w/o Turbo</b>	
Bearing Assembly .....	614067
<b>1992-1990 Protege DOHC</b>	
Bearing Assembly .....	614067
<b>1992-1989 MX-6 Turbo</b>	
Bearing Assembly .....	614079
<b>1992-1986 626 Turbo</b>	
Bearing Assembly .....	614079
<b>1992-1986 626 w/o Turbo</b>	
Bearing Assembly .....	614067
<b>1991-1990 Protege 4WD</b>	
Bearing Assembly .....	614079

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA- FRONT WHEEL DRIVE - GLC (81-85), Mazda3, Mazda5, Mazda6, Millenia, MX-3, MX-6, Protege, Protege AWD, 323, 323 AWD, 626 (83-&gt;) (cont.)</b>					

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1991-1983 (F3A)		
Cone/Cup .....		32008
<b>Output Shaft</b>		
1991-1983 (F3A)		
Repair Sleeve .....		99139
Seal .....		223543
<b>Torque Converter</b>		
1991-1983 (F3A)		
Seal .....		1012N

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2002-1988 (F4A EL)		
Cup/Cone .....		A17
2000-1995 (JF403)		
Cone/Cup .....		30208
1997-1987 (G4A EL)		
Cone/Cup .....		32008
<b>Torque Converter / Frt Pump</b>		
2002-1994 (LA4A-EL)		
Seal .....		4635V
2002-1987 (F4A-EL, G4A-EL, G4A-HL)		
Seal .....		710446
2000-1995 (JF403)		
Seal .....		710114
<b>Output Shaft</b>		
2002-1987 (F4A EL, G4A EL, G4A HL)		
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543

<b>5-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Output Shaft</b>		
2002-1996 (C4DE)		
Repair Sleeve .....		99169
Seal .....		3622

<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1991-1983 (F4A)		
Cup/Cone .....		A17
<b>Output Shaft</b>		
1991-1983 (F4A)		
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543
<b>Input Shaft</b>		
1991-1983 (F4A)		
Seal .....		222430

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Output Shaft</b>		
2002-1983 (F5A, F5F, F52, G5A, G5M, G5Y, H5Y, F501, G501)		
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543
<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1988 (G5M, G5Y, H5Y)		
Seal .....		221620
<b>Input Shaft</b>		
2002-1983 (F5A, F52, F501)		
Seal .....		222430
2002-1983 (F5F, G5A, G5M, G5Y, H5Y, G501)		
Seal ; Outer .....		1990
Cup/Cone; Outer .....		A32
Repair Sleeve; Outer .....		
<b>Countershaft</b>		
2002-1983 (F5A, F52, F501)		
Cone/Cup ; Frt .....		32205

<b>CV JOINT HALF SHAFT</b>		
1995-1992 MX 3 (1.6)		
Seal ; Inner .....		710224
Seal ; Outer .....		710223
1992-1988 626		
Seal .....		710253
Seal ; Inner .....		710224
Seal ; Outer .....		710223
1992-1988 MX-6		
Seal .....		710253
Seal ; Inner .....		710224
Seal ; Outer .....		710223

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2002-1988 1489cc/1.5L, 1597cc/1.6L, 1839cc/1.8L, 1991cc/2.0L		
Seal .....		223420
1995-1986 1597cc/1.6L, 1839cc/1.8L		
Repair Sleeve .....		99114
Seal .....		223012
1992-1984 1998cc/2.0L, 2184cc/2.2L		
Seal .....		223420
<b>6 Cylinder</b>		
2002-1993 1844cc/1.8L, 2254cc/2.3L, 2497cc/2.5L		
Repair Sleeve .....		99114
Seal .....		223012

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2003-1994 2.0L (SOHC) (DOHC)		
Seal .....		223420

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA- FRONT WHEEL DRIVE - GLC (81-85), Mazda3, Mazda5, Mazda6, Millenia, MX-3, MX-6, Protege, Protege AWD, 323, 323 AWD, 626 (83-&gt;) (cont.)</b>					

## CRANKSHAFT FRONT SEAL(cont)

<b>4 Cylinder(cont)</b>		
2000-1992	1489cc/1.5L, 1597cc/1.6L, 1839cc/1.8L	
Repair Sleeve	.....	710355
Seal	.....	
1993	1991cc/2.0L From 3/13/93	
Seal	.....	223420
1993	1991cc/2.0L, (Thru 3/12/93)	
Seal Viton	.....	2012V
1992-1984	1998cc/2.0L, 2184cc/2.2L	
Seal	.....	223420
1991	1597cc/1.6L From 12/2/90	
Repair Sleeve	.....	710355
Seal	.....	
1991	1597cc/1.6L To 12/1/90	
Repair Sleeve	.....	99114
Seal	.....	223012
1991	1839cc/1.8L From 2/2/91	
Repair Sleeve	.....	710355
Seal	.....	
1991	1839cc/1.8L To 2/1/91	
Repair Sleeve	.....	99114
Seal	.....	223012
1990-1986	1597cc/1.6L, 1839cc/1.8L	
Repair Sleeve	.....	99114
Seal	.....	223012
1985-1981	1490cc/1.5L	
Repair Sleeve	.....	99157
Seal	.....	224020
<b>6 Cylinder</b>		
2002-1993	1844cc/1.8L, 2254cc/2.3L, 2497cc/2.5L	
Seal Viton	.....	2012V

## CRANKSHAFT REAR SEAL

<b>4 Cylinder</b>		
2003-1993	2.0L (DOHC)	
Seal	.....	229004
2003-1990	1489cc/1.5L, 1589cc/1.6L, 1839cc/1.8L	
Seal	.....	228250
1992-1984	1998cc/2.0L, 2184cc/2.2L	
Seal	.....	229010
1985-1981	1490cc/1.5L	
Seal	.....	227020
<b>6 Cylinder</b>		
2005-2003	2954cc./3.0L	
Seal Viton	.....	3909
2002-1993	1844cc/1.8L, 2254cc/2.3L, 2497cc/2.5L	
Repair Sleeve	.....	99298
Seal	.....	1019

# MAZDA- REAR WHEEL DRIVE - Cosmo, GLC, Mizer, MX-5 Miata, RX-2, RX-3, RX-4, RX-7, RX-8, 616, 618, 626, 808, 929

## FRONT WHEEL

2005-1999	MX-5 Miata	
Hub Assembly	.....	513155
1997-1990	MX-5 Miata	
Hub Assembly	.....	513155
1995-1993	RX-7 (ABS)	
Hub Assembly	.....	512118
1995-1992	929	
Hub Assembly	.....	513131
1991-1988	929	
Ball Bearing	.....	510035
Seal	.....	1207N

## FRONT WHEEL(cont)

1991-1986	RX-7	
Cone/Cup ; Inner	.....	32204
Seal ; Inner	.....	1975
Cup/Cone; Outer	.....	A18
1985-1984	All	
Cone/Cup ; Outer	.....	32204
Seal ; Inner	.....	1213N
Cup/Cone; Inner	.....	A32
Repair Sleeve; Inner	.....	99157

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA- REAR WHEEL DRIVE - Cosmo, GLC, Mizer, MX-5 Miata, RX-2, RX-3, RX-4, RX-7, RX-8, 616, 618, 626, 808, 929 (cont.)</b>					

<b>FRONT WHEEL(cont)</b>		
<b>1983-1980</b>	<b>GLC</b>	
Cone/Cup ; Inner .....		30205
Seal ; Inner .....		1213N
Cup/Cone; Outer .....		A18
Repair Sleeve; Inner .....		99157
<b>1983-1980</b>	<b>RX-7</b>	
Seal ; Inner .....		1213N
Cup/Cone; Inner .....		A32
Cup/Cone; Outer .....		A1
Repair Sleeve; Inner .....		99157
<b>1982-1980</b>	<b>626</b>	
Seal ; Inner .....		1213N
Cup/Cone; Inner .....		A32
Cup/Cone; Outer .....		A2
Repair Sleeve; Inner .....		99157
<b>REAR WHEEL</b>		
<b>2005-1990</b>	<b>MX-5 Miata</b>	
Ball Bearing .....		510003
Seal .....		1932
<b>1995-1993</b>	<b>RX-7</b>	
Ball Bearing .....		510051
<b>1995-1992</b>	<b>929</b>	
Ball Bearing .....		510051
<b>1991-1988</b>	<b>929</b>	
Wheel Brg .....		513057
<b>1991-1986</b>	<b>RX-7</b>	
Ball Bearing .....		510010
Seal .....		225872
<b>1985-1984</b>	<b>RX-7</b>	
Ball Bearing .....		511017
Seal .....		710320
<b>1983-1981</b>	<b>GLC (Exc. Wagon)</b>	
Seal ; Inner .....		710311
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1
<b>1983-1981</b>	<b>GLC (Wagon)</b>	
Ball Bearing .....		RW102R
Seal .....		1180
<b>1983-1980</b>	<b>RX-7</b>	
Ball Bearing .....		RW102R
Seal .....		
<b>1982-1980</b>	<b>626</b>	
Ball Bearing .....		RW102R
<b>1980</b>	<b>GLC</b>	
Ball Bearing .....		RW102R
Seal .....		1180

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2005-1990</b>	<b>MX-5 Miata</b>	
Seal Viton .....		710218
<b>1995-1988</b>	<b>929</b>	
Repair Sleeve .....		223840
Seal .....		

<b>REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
<b>1991-1987</b>	<b>RX 7 (Exc. Locking Diff.)</b>	
Seal .....		2007N
<b>1991-1987</b>	<b>RX 7 (Locking Diff.)</b>	
Seal Viton .....		710218
<b>Pinion</b>		
<b>2005-1990</b>	<b>MX-5 Miata</b>	
Repair Sleeve .....		99128
Seal .....		2008
Cone/Cup ; Outer .....		32206
Cone/Cup ; Inner .....		32307
<b>1995-1993</b>	<b>RX-7</b>	
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32308
<b>1995-1988</b>	<b>929</b>	
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
<b>1991-1987</b>	<b>RX 7 (Exc. Locking Diff.)</b>	
Seal .....		712010
Cone/Cup ; Outer .....		32206
Cone/Cup ; Inner .....		32207
<b>1991-1987</b>	<b>RX 7 (Locking Diff.)</b>	
Ball Bearing .....		108
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32207
<b>1986-1980</b>	<b>RX 7, 626</b>	
Seal .....		710326
Cone/Cup ; Outer .....		32206
Cone/Cup ; Inner .....		32207
<b>1983-1980</b>	<b>GLC</b>	
Repair Sleeve .....		99128
Seal .....		2008
Cone/Cup ; Inner .....		32206

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
<b>1996-1980</b>	<b>Exc RX-7 w/ Rotary Eng</b>	
Ball Bearing .....		202SS
<b>1995-1980</b>	<b>RX-7 (Rotary Eng)</b>	
Ball Bearing .....		152016
<b>Release Bearing</b>		
<b>2003-1999</b>	<b>Miata w/ 225mm Clutch</b>	
Bearing Assembly .....		614120
<b>1997-1994</b>	<b>Miata w/ 225mm Clutch</b>	
Bearing Assembly .....		614120
<b>1995-1993</b>	<b>RX-7 Turbo, w/ 240mm Clutch</b>	
Bearing Assembly .....		614164
<b>1995-1993</b>	<b>RX-7 Twin Turbo</b>	
Bearing Assembly .....		614164
<b>1993-1990</b>	<b>Miata w/ 200mm Clutch</b>	
Bearing Assembly .....		614120
<b>1992-1988</b>	<b>929</b>	
Bearing Assembly .....		614079

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA- REAR WHEEL DRIVE - Cosmo, GLC, Mizer, MX-5 Miata, RX-2, RX-3, RX-4, RX-7, RX-8, 616, 618, 626, 808, 929 (cont.)</b>					

## CLUTCH(cont)

### Release Bearing(cont)

1991-1990	RX-7 w/ 230mm Clutch	
	Bearing Assembly .....	614079
1991-1984	RX-7 Single Turbo	
	Bearing Assembly .....	614079

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1983-1980	(3N71B)	
	Seal .....	1216N

### Torque Converter

1983-1980	(3N71B)	
	Seal Viton .....	2025

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1997-1984	(L4N71B)	
	Seal .....	223801
1995-1993	(R4AEL)	
	Seal .....	710517

### Torque Converter

1997-1984	(L4N71B)	
	Seal Viton .....	2025
1995-1992	(R4AEL)	
	Seal .....	224663
1991	All	
	Seal .....	1953

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1982-1980	(4B)	
	Ball Bearing .....	306L
	Repair Sleeve .....	1990
	Seal .....	
1982-1980	(4G)	
	Ball Bearing .....	1990
	Repair Sleeve .....	
	Seal .....	

### Rear Output Shaft

1982-1980	(4B, 4G)	
	Ball Bearing .....	306L
	Seal .....	1215N

### Countershaft

1982-1980	(4B)	
	Ball Bearing ; Frt .....	5205KLE
1982-1980	(4G)	
	Ball Bearing ; Frt .....	5205KLE
	Ball Bearing ; Rr .....	304

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1992-1990	(5D)	
	Ball Bearing .....	306L
	Repair Sleeve .....	1990
	Seal .....	
1991-1987	(5HC)	
	Ball Bearing .....	1990
	Repair Sleeve .....	
	Seal .....	
1988-1980	(5A, 5B, 5C, 5D, M51, 5TR)	
	Ball Bearing .....	306L
	Repair Sleeve .....	1990
	Seal .....	
1982-1980	(5G)	
	Ball Bearing .....	1990
	Repair Sleeve .....	
	Seal .....	

### Rear Output Shaft

1992-1990	(5D)	
	Ball Bearing .....	305
1988-1980	(5A, 5B, 5C, 5D, 5G, M51, 5TR)	
	Ball Bearing .....	305
	Seal .....	1215N

### Countershaft

1992-1990	(5E)	
	Ball Bearing ; Frt .....	5205KLE
	Ball Bearing ; Rr .....	304
1991-1987	(5HC)	
	Ball Bearing ; Frt .....	5205KLE
1988-1980	(5B, 5C, 5D, 5G, M51, 5TR)	
	Ball Bearing ; Frt .....	5205KLE
	Ball Bearing ; Rr .....	304

### Intermediate Shaft

1992-1980	(w/o 5HC)	
	Ball Bearing .....	306L

## 5-SPEED AUTOMATIC TRANSAXLE

### Output Shaft

2003-1999	(C4DE)	
	Repair Sleeve .....	99169
	Seal .....	3622

## ALTERNATOR

1999-1990	65 Amp.	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	303CC
1993-1990	Exc. Navajo	
	Ball Bearing ; Drive End .....	303CC
1989-1986	60 Amp.	
	Ball Bearing ; Drive End .....	302CC
1989-1986	65 Amp.	
	Ball Bearing ; Drive End .....	302CC
1989-1986	70 Amp.	
	Ball Bearing ; Drive End .....	302CC

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA- REAR WHEEL DRIVE - Cosmo, GLC, Mizer, MX-5 Miata, RX-2, RX-3, RX-4, RX-7, RX-8, 616, 618, 626, 808, 929 (cont.)</b>					

<b>ALTERNATOR(cont)</b>		
<b>1985-1983</b>	<b>60 Amp.</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	302CC
<b>1985-1983</b>	<b>70 Amp.</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	302CC
<b>1985-1980</b>	<b>50 Amp.</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	202SS
<b>1985-1980</b>	<b>55 Amp.</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	202SS
<b>1985-1980</b>	<b>65 Amp.</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	302CC
<b>1982-1980</b>	<b>60 Amp.</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	302CC
<b>1982-1980</b>	<b>70 Amp.</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	302CC

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
<b>2005-1990</b>	<b>1597cc/1.6L, 1839cc/1.8L</b>	
	Seal ; RH .....	223420
<b>6 Cylinder</b>		
<b>2002-2000</b>	<b>2497cc/2.5L</b>	
	Repair Sleeve .....	99114
	Seal .....	223012
<b>1995-1990</b>	<b>2954/3.0L (DOHC)</b>	
	Seal ; RH .....	710338
	Seal ; LH .....	226510
<b>1991-1988</b>	<b>2954/3.0L (SOHC)</b>	
	Seal .....	1940

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
<b>2005-1991</b>	<b>1597cc/1.6L (From 2/2/91),1839cc/1.8L</b>	
	Repair Sleeve .....	710355
	Seal .....	
<b>2002-2000</b>	<b>1991cc/2.0L</b>	
	Seal Viton .....	2012V
<b>1991-1990</b>	<b>1597cc/1.6L (To 2/1/91)</b>	
	Repair Sleeve .....	99114
	Seal .....	223012
<b>1982-1980</b>	<b>1272cc/1.3L, 1415cc/1.4L,1490cc/1.5L</b>	
	Repair Sleeve .....	99157
	Seal .....	224020
<b>1982-1980</b>	<b>1970cc/2.0L</b>	
	Seal .....	712010
<b>6 Cylinder</b>		
<b>2002-2000</b>	<b>2497cc/2.5L</b>	
	Seal Viton .....	2012V

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
<b>1995-1988</b>	<b>2954cc/3.0L</b>	
	Seal .....	224660
<b>Rotary</b>		
<b>1995-1993</b>	<b>All</b>	
	Seal Viton .....	226840
<b>1991-1980</b>	<b>All</b>	
	Seal Viton .....	226840

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
<b>2002-1990</b>	<b>1489cc/1.5L, 1597cc/1.6L,1839cc/1.8L</b>	
	Seal .....	228250
<b>1985-1981</b>	<b>1490cc/1.5L</b>	
	Seal .....	227020
<b>1982-1980</b>	<b>1970cc/2.0L</b>	
	Seal .....	228020
<b>1980</b>	<b>1415cc/1.4L</b>	
	Seal .....	227020
<b>6 Cylinder</b>		
<b>1995-1988</b>	<b>2954cc/3.0L</b>	
	Repair Sleeve .....	99298
	Seal .....	1019

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA TRUCK- PICKUP, SUV - B1600, B1800, B2000, B2200, B2300, B2500, B2600, B3000, B4000, MPV, Navajo, Tribute</b>					

## FRONT WHEEL

### 2WD

<b>2006-2000 MPV</b>		
Ball Bearing .....	510010	
Seal .....	1932	
<b>2005-2001 Tribute</b>		
Ball Bearing .....	510072	
<b>2005-1995 B2300, B2500, B3000, B4000</b>		
Seal ; Inner .....	9150S	
Cup/Cone; Inner .....	A5	
Cup/Cone; Outer .....	A2	
<b>1998-1996 MPV</b>		
Hub Assembly .....	513131	
<b>1995-1989 MPV</b>		
Hub Assembly .....	513131	
<b>1994 B2300, B3000, B4000</b>		
Seal ; Inner .....	6815	
Cup/Cone; Inner .....	A6	
Cup/Cone; Outer .....	A2	
<b>1994-1991 Navajo</b>		
Seal ; Inner .....	6815	
Cup/Cone; Inner .....	A6	
Cup/Cone; Outer .....	A2	
<b>1993-1992 B2200, B2600</b>		
Cone/Cup ; Outer .....	30205	
Seal ; Inner .....	225225	
Cup/Cone; Inner .....	A5	
<b>1991-1986 B2000, B2200, B2600</b>		
Cone/Cup ; Outer .....	30205	
Seal ; Inner .....	225225	
Cup/Cone; Inner .....	A5	
<b>1984-1980 B1600, B1800, B2000, B2200</b>		
Cone/Cup ; Outer .....	30204	
Cone/Cup ; Inner .....	30206	
Seal ; Inner .....	1992	

### 4WD/AWD

<b>2005-2001 Tribute</b>		
Ball Bearing .....	510072	
<b>2005-2000 B3000, B4000 (2 Whl. ABS) (Exc.Auto Locking Hub) (From 6/22/00)</b>		
Hub Assembly .....	515014	
<b>2002-2000 B3000, B4000 (4 Whl. ABS) (Exc.Auto Locking Hub) (From 6/22/00)</b>		
Hub Assembly .....	515013	
<b>2000-1998 B2000, B3000, B4000 (4 Whl.ABS) (Exc. Auto LockingHub) (Thru 6/21/00)</b>		
Hub Assembly .....	515027	
<b>2000-1998 B2500</b>		
Hub Assembly .....	515026	
<b>2000-1998 B3000, B4000 (2 Whl. ABS) (Exc.Auto Locking Hub) (Thru 6/21/00)</b>		
Hub Assembly .....	515026	
<b>1998-1997 MPV</b>		
Ball Bearing .....	510053	

## FRONT WHEEL(cont)

### 4WD/AWD(cont)

<b>1997-1994 B4000</b>		
Seal ; Inner .....	4250	
Cup/Cone; Inner .....	A37	
Cup/Cone; Outer .....	A37	
<b>1996-1994 B2300, B3000</b>		
Seal ; Inner .....	8312	
Cup/Cone; Inner .....	A35	
Cup/Cone; Outer .....	A35	
<b>1995-1989 MPV</b>		
Seal ; Inner .....	1932	
Seal ; Outer .....	710225	
Ball Bearing ; Inner .....	510010	
<b>1994-1991 Navajo</b>		
Seal ; Inner .....	4250	
Cup/Cone; Inner .....	A37	
Cup/Cone; Outer .....	A37	
<b>1993-1987 B2600</b>		
Seal ; Inner .....	710094	
Seal ; Outer .....	710093	
Cup/Cone; Outer .....	A18	

## REAR WHEEL

<b>2006-2000 MPV (Non-ABS)</b>		
Hub Assembly .....	512270	
<b>2005-2001 Tribute</b>		
Ball Bearing .....	510029	
<b>2005-2000 MPV (Drum)</b>		
Hub Assembly .....	513131	
<b>2005-1994 B2300</b>		
Seal .....	8660S	
Cyl. Bearing .....	5707	
Optional Repair Bearing .....	RP5707 <sup>91</sup>	
<b>2005-1994 B3000</b>		
Seal .....	8660S	
Cyl. Bearing .....	5707	
Optional Repair Bearing .....	RP5707 <sup>91</sup>	
<b>2005-1994 B4000</b>		
Seal .....	8835S	
Cyl. Bearing .....	6408	
Optional Repair Bearing .....	RP6408 <sup>91</sup>	
<b>2001-1998 B2500</b>		
Seal .....	8660S	
Cyl. Bearing .....	5707	
Optional Repair Bearing .....	RP5707 <sup>91</sup>	
<b>1998-1996 MPV</b>		
Ball Bearing .....	511027	
<b>1998-1989 MPV (Drum)</b>		
Seal ; Inner .....	224820	
Seal ; Outer .....	710150	
Ball Bearing ; Inner .....	307FF	

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA TRUCK- PICKUP, SUV - B1600, B1800, B2000, B2200, B2300, B2500, B2600, B3000, B4000, MPV, Navajo, Tribute (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>1994-1991</b>	<b>Navajo</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1993-1987</b>	<b>B2200</b>	
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		223550
Seal ; Outer .....		1994
<b>1993-1987</b>	<b>B2600</b>	
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		223550
Seal ; Outer .....		1994
<b>1987</b>	<b>B2000 (From Ch. # 505889)</b>	
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		223550
Seal ; Outer .....		1994
<b>1987-1986</b>	<b>B2000 (Thru Ch. # 505888)</b>	
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		225530
Seal ; Outer .....		1994
<b>1984-1980</b>	<b>B1600, B1800, B2000, B2200</b>	
Cone/Cup ; Inner .....		30208
Seal ; Inner .....		473823
Seal ; Outer .....		1994

<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
<b>2003-1991</b>	<b>(Dana/Spicer 35IFS Axle)</b>	
Cone/Cup .....	LM501349-LM501314	
<b>1997-1995</b>	<b>MPV</b>	
Cone/Cup .....		32008
<b>1997-1994</b>	<b>(Dana/Spicer 24IFS Axle)</b>	
Cone/Cup .....	LM29749-LM29710	
<b>1997-1994</b>	<b>(Dana/Spicer 28 Axle)</b>	
Cone/Cup .....	LM29749-LM29710	
<b>Pinion</b>		
<b>2002-1991</b>	<b>(Dana/Spicer 35IFS Axle)</b>	
Seal Viton .....		714675
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	
<b>1997-1995</b>	<b>MPV</b>	
Seal .....		712011
Cone/Cup ; Outer .....		32206
Cone/Cup ; Inner .....		32207
<b>1997-1994</b>	<b>(Dana/Spicer 24IFS Axle)</b>	
Seal .....		4244
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M88048-M88010	
<b>1997-1994</b>	<b>(Dana/Spicer 28 Axle)</b>	
Seal .....		4244
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	M88048-M88010	
<b>Axle Shaft</b>		
<b>2005-2001</b>	<b>Tribute</b>	
Seal Viton .....		710429

<b>4WD FRONT AXLE(cont)</b>		
<b>Spindle</b>		
<b>1997-1993</b>	<b>(Dana/Spicer 28IFS, 35IFS axle)</b>	
Seal ; Inner .....		722108
Seal ; Outer .....		
<b>1996-1994</b>	<b>(Dana/Spicer 28IFS Axle)</b>	
Seal ; Inner .....		8314
<b>1992-1991</b>	<b>(Dana/Spicer 35IFS Axle)</b>	
Seal ; Inner .....		722108
Seal ; Outer .....		722109

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2005-2003</b>	<b>Ford (7.5" R.G.)</b>	
Cone/Cup .....		LM29749-LM29710
<b>2005-1991</b>	<b>Ford (8.8" R.G.)</b>	
Cup/Cone .....		A36
<b>2002-1994</b>	<b>Ford (7.5" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1993-1980</b>	<b>(Exc. Ford Axle)</b>	
Cone/Cup .....		32008
<b>Pinion</b>		
<b>2005-1991</b>	<b>(Ford 7.5", 8.8" R.G. Axles)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1998-1994</b>	<b>B2600, MPV</b>	
Seal .....		712011
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>1993-1987</b>	<b>B2600, MPV</b>	
Seal .....		712011
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>1993-1986</b>	<b>B2000, B2200</b>	
Seal .....		1216N
Cone/Cup ; Outer .....		32206
Cone/Cup ; Inner .....		32307
<b>1984-1980</b>	<b>All</b>	
Seal .....		710326
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307

<b>DRIVESHAFT SUPPORT</b>		
<b>1995-1980</b>	<b>(0.9843" Brg. I.D.)</b>	
Ball Bearing .....		205F

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
<b>2002-1994</b>	<b>4 Cyl 2.0L, 2.3L, 2.5L</b>	
Needle Bearing .....		FC65354
<b>2002-1994</b>	<b>6 Cyl 3.0L</b>	
Needle Bearing .....		FC65354
<b>2002-1991</b>	<b>6 Cyl 4.0L</b>	
Ball Bearing .....		F33126

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA TRUCK- PICKUP, SUV - B1600, B1800, B2000, B2200, B2300, B2500, B2600, B3000, B4000, MPV, Navajo, Tribute (cont.)</b>					

## CLUTCH(cont)

### Pilot Bearing(cont)

1991-1989	6 Cyl 3.0L	
Ball Bearing	.....	202SS
1991-1989	6 Cyl 3.0L	
Ball Bearing	.....	202SS
1989-1987	4 Cyl 2.6L	
Ball Bearing	.....	102CC
1986-1980	4 Cyl	
Ball Bearing	.....	202SS

### Release Bearing

1998	B2500 w/ Hydraulic Clutch	
Bearing Assembly	.....	614169
1998-1994	B3000 w/ Hydraulic Clutch	
Bearing Assembly	.....	614169
1998-1994	B4000 w/ Hydraulic Clutch	
Bearing Assembly	.....	614169
1995-1994	B2300 w/ Hydraulic Clutch	
Bearing Assembly	.....	614169
1993-1989	B2600	
Bearing Assembly	.....	614079
1993-1987	B2200	
Bearing Assembly	.....	614079

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1988-1986	(Jatco L3N71B, 3N71B)	
Seal	.....	1216N
1984-1980	(Jatco 3N71B)	
Seal	.....	1216N

### Torque Converter

1988-1986	(Jatco L3N71B, 3N71B)	
Seal Viton	.....	2025
1984-1980	(Jatco 3N71B)	
Seal Viton	.....	2025

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1991	(4R44E, A4LD)	
Seal	.....	2655

### Selector Shaft Seal/Man. Shaft

2002-1991	(4R44E, A4LD)	
Seal	.....	7929S

### Torque Converter

1999-1989	(Jatco R4AEL)	
Seal	.....	224663
1997-1991	(A4LD)	
Seal	.....	2658
1995-1987	(Jatco N4A, L4N71B)	
Seal Viton	.....	2025

## 5-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1997	(Ford 5R55E)	
Seal	.....	2655

## 5-SPEED AUTOMATIC TRANSMISSION(cont)

### Selector Shaft Seal/Man. Shaft

2002-1997	(Ford 5R55E)	
Seal	.....	7929S

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1987-1986	(4TB)	
Ball Bearing	.....	306L
Repair Sleeve	.....	1990
Seal	.....	
1984-1980	(4B)	
Ball Bearing	.....	306L
Repair Sleeve	.....	1990
Seal	.....	

### Rear Output Shaft

1987-1986	(4TB)	
Ball Bearing	.....	306L
Seal	.....	1215N
1984-1980	(4B)	
Ball Bearing	.....	306L
Seal	.....	1215N

### Countershaft

1987-1986	(4TB)	
Ball Bearing ; Frt	.....	5205KLE
1984-1980	(4B)	
Ball Bearing ; Frt	.....	5205KLE

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

2002-1994	(M5R1)	
Repair Sleeve	.....	1990
Seal	.....	
1993-1987	(5HC)	
Ball Bearing	.....	1990
Repair Sleeve	.....	
Seal	.....	
1993-1986	(5E, 5TB)	
Ball Bearing	.....	306L
Repair Sleeve	.....	1990
Seal	.....	
1984-1982	(5D)	
Ball Bearing	.....	306L
Repair Sleeve	.....	1990
Seal	.....	

### Rear Output Shaft

2002-1994	(M5R1) (2WD)	
Seal	.....	7692S
2002-1994	(M5R1) (4WD)	
Repair Sleeve	.....	99114
Seal	.....	1981

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA TRUCK- PICKUP, SUV - B1600, B1800, B2000, B2200, B2300, B2500, B2600, B3000, B4000, MPV, Navajo, Tribute (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

<b>Rear Output Shaft(cont)</b>		
1993-1987 (5D)		
Ball Bearing .....	305	
Seal .....	2443	
1987-1986 (5TB)		
Ball Bearing .....	305	
Seal .....	1215N	
1984-1982 (5D)		
Ball Bearing .....	305	
Seal .....	1215N	
<b>Countershaft</b>		
1993-1987 (5HC)		
Ball Bearing ; Frt .....	5205KLE	
1993-1986 (5E, 5TB)		
Ball Bearing ; Frt .....	5205KLE	
Ball Bearing ; Rr .....	304	
1984-1982 (5D)		
Ball Bearing ; Frt .....	5205KLE	
Ball Bearing ; Rr .....	304	
<b>Intermediate Shaft</b>		
1993-1986 (5E, 5TB)		
Ball Bearing .....	306L	
1984-1982 (5D)		
Ball Bearing .....	306L	

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Torque Converter / Frt Pump</b>		
2006-2001 (CD4E)		
Seal .....	4635V	
2001-2000 (GF4A-EL)		
Seal .....	710446	

## 5-SPEED AUTOMATIC TRANSAXLE

<b>Output Shaft</b>		
2002-2001 (C4DE)		
Repair Sleeve; LH .....	99169	
Seal ; LH .....	3622	

## 5-SPEED MANUAL TRANSAXLE

<b>Output Shaft</b>		
2002-2001 (G5M)		
Seal .....	2007N	
<b>Input Shaft</b>		
2002-2001 (G5M)		
Repair Sleeve .....	1990	
Seal .....	A32	
Cup/Cone .....		

## TRANSFER CASE

<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1991 (Warner 1354)		
Seal .....	330385	

## TRANSFER CASE(cont)

<b>Input Shaft</b>		
2001-1993 (Warner 1354)		
Ball Bearing .....	109L	
Seal .....	710403	
1992-1991 (Warner 1354)		
Ball Bearing .....	109L	
Seal .....	710403	
<b>Front Output Shaft</b>		
2002-1993 (Warner 1354)		
Ball Bearing .....	206	
Seal .....	710403	
1992-1991 (Warner 1354)		
Ball Bearing .....	206	
Seal .....	710403	
<b>Rear Output Shaft</b>		
2002-1993 (Warner 1354)		
Ball Bearing .....	206	
Seal .....	710403	
1992-1991 (Warner 1354)		
Ball Bearing .....	206	
Seal .....	710403	

## ALTERNATOR

1993-1990	Exc. Navajo	
Ball Bearing ; Drive End .....		303CC
1989-1986	60 Amp.	
Ball Bearing ; Drive End .....		302CC
1989-1986	65 Amp.	
Ball Bearing ; Drive End .....		302CC
1989-1986	70 Amp.	
Ball Bearing ; Drive End .....		302CC
1984-1983	60 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC
1984-1983	65 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC
1984-1983	70 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC
1984-1980	50, 55 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		202SS
1982-1980	60 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC
1982-1980	65 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC
1982-1980	70 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MAZDA TRUCK- PICKUP, SUV - B1600, B1800, B2000, B2200, B2300, B2500, B2600, B3000, B4000, MPV, Navajo, Tribute (cont.)</b>					

## POWER STEERING

### Input Shaft

2002-1995 B2300, B3000, B4000  
Seal ..... 471645

### Pump Shaft

2002 B2300  
Seal ..... 8773S  
2002 B3000, B4000 (Ford Pump)  
Seal ..... 8773S

## MANUAL STEERING

### Worm Shaft

1995-1994 B2300  
Seal ..... 221922  
1984-1980 B2000  
Seal ..... 221720

### Sector Shaft

1995-1994 B2300  
Seal ..... 223010

## CAMSHAFT SEAL

### 4 Cylinder

2001-2000 2492cc/2.5L  
Seal ..... 2955

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2003-2001 121/2.0L (DOHC), 140/2.3L(DOHC)  
Repair Sleeve ..... 99139  
Seal ..... 3771  
2001-1994 140/2.3L, 150/2.5L  
Seal ..... 2955  
1994-1989 2606cc/2.6L  
Seal ..... 224460  
1993-1986 1998cc/2.0L, 2184cc/2.2L  
Seal ..... 223420  
1988-1987 2555cc/2.6L  
Repair Sleeve ..... 99189  
Seal ..... 224840  
1984-1980 1970cc/2.0L  
Seal ..... 712010

### 6 Cylinder

2003-1991 244/4.0L  
Seal ..... 473560N  
2002-2001 155/2.5L (DOHC), 181/3.0L(DOHC)  
Repair Sleeve ..... 99187  
Seal ..... 482041N  
2002-1994 2954/3.0L  
Repair Sleeve; Frt Entry ..... 99187  
Repair Sleeve; Rr Entry ..... 99187  
Seal ; Frt Entry ..... 2692  
Seal ; Rr Entry ..... 2942  
1993-1989 2954cc/3.0L  
Seal ..... 224660

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2005-2002 2300/2.3L, 2500/2.5L  
Seal Viton ..... 3909  
Repair Sleeve ..... 99363  
Seal PTFE H/D .....  
1994-1986 1998cc/2.0L, 2184cc/2.2L, 2606cc/2.6L  
Seal ..... 229010  
1988-1987 2555cc/2.6L  
Seal Viton ..... 228005  
1984-1982 2209cc/2.2L  
Seal ..... 710061  
1984-1980 1970cc/2.0L  
Seal ..... 228020

### 6 Cylinder

2005-2000 MPV 2.5L, 3.0L  
Seal Viton ..... 3909  
Repair Sleeve ..... 99363  
Seal PTFE H/D .....  
2005-1994 2954/3.0L  
Seal ..... 3772  
2005-1991 4016/4.0L  
Seal Viton ..... 3393  
Repair Sleeve ..... 99237  
Seal PTFE H/D ..... 5288  
1993-1989 2954cc/3.0L  
Repair Sleeve ..... 99298  
Seal ..... 1019

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCEDES BENZ- 100 Series & 200 Series

### FRONT WHEEL

<b>1993-1984</b>	<b>100 Ser. (Exc. 2.3L 16 Valve)</b>	
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A1
<b>1989-1987</b>	<b>200 Ser.</b>	
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>1988-1986</b>	<b>100 Ser. (2.3L 16 Valve)</b>	
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>1983-1980</b>	<b>200 Ser.</b>	
	Seal ; Inner .....	1960
	Cup/Cone; Inner .....	A5
	Cup/Cone; Outer .....	A2

### REAR WHEEL

<b>1993-1984</b>	<b>100 Ser.</b>	
	Ball Bearing .....	513130
<b>1989-1987</b>	<b>260E</b>	
	Ball Bearing .....	513130
<b>1983-1980</b>	<b>200 Ser.</b>	
	Cone/Cup ; Outer .....	LM503349A-LM503310
	Cone/Cup ; Inner .....	LM300849-LM300811
	Seal ; Inner .....	1174

### REAR AXLE

#### Pinion

<b>1993-1984</b>	<b>190 Ser.</b>	
	Cone/Cup ; Outer .....	M84548-M84510
	Cone/Cup ; Inner .....	HM88649-HM88610
<b>1983-1980</b>	<b>240 Ser.</b>	
	Cone/Cup ; Outer .....	HM89449-HM89410
	Cone/Cup ; Inner .....	HM89449-HM89410
<b>1981-1980</b>	<b>280 Ser.</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410

### CLUTCH

#### Pilot Bearing

<b>1988-1980</b>	<b>All</b>	
	Ball Bearing .....	202

#### Release Bearing

<b>1991-1987</b>	<b>260E</b>	
	Bearing Assembly .....	614125
<b>1991-1982</b>	<b>190 Series</b>	
	Bearing Assembly .....	614125
<b>1991-1978</b>	<b>280SE, (W126 Ch.)</b>	
	Bearing Assembly .....	614125
<b>1990-1981</b>	<b>240D, TD</b>	
	Bearing Assembly .....	614125

### ALTERNATOR

<b>1992-1990</b>	<b>(Bosch 90 Amp.)</b>	
	Ball Bearing ; Drive End .....	303CC
<b>1992-1980</b>	<b>(Bosch 55 Amp.)</b>	
	Ball Bearing ; Rear End .....	201S
	Ball Bearing ; Drive End .....	303CC

### ALTERNATOR(cont)

<b>1992-1980</b>	<b>(Bosch 65 Amp.)</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	303CC
<b>1992-1980</b>	<b>(Bosch 70 Amp.)</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	303CC
<b>1992-1980</b>	<b>(Motorola 55 Amp.)</b>	
	Ball Bearing ; Drive End .....	203FF
<b>1990-1986</b>	<b>(Bosch 80 Amp.)</b>	
	Ball Bearing ; Drive End .....	303CC

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

<b>1993-1991</b>	<b>2299cc/2.3L</b>	
	Repair Sleeve .....	99177
	Seal .....	710289
<b>1985-1984</b>	<b>2197cc/2.2L</b>	
	Repair Sleeve .....	99177
	Seal .....	710289

#### 5 Cylinder

<b>1989-1986</b>	<b>2497cc/2.5L</b>	
	Repair Sleeve .....	99177
	Seal .....	710289

#### 6 Cylinder

<b>1993-1987</b>	<b>2599cc/2.6L</b>	
	Repair Sleeve .....	99177
	Seal .....	710289

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

<b>1985-1984</b>	<b>All</b>	
	Seal .....	710288

#### 5 Cylinder

<b>1989-1986</b>	<b>All</b>	
	Seal .....	710288

#### 6 Cylinder

<b>1993-1987</b>	<b>2599cc/2.6L</b>	
	Seal .....	710288

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCEDES BENZ- 300 Series & 400 Series

### FRONT WHEEL

<b>1993</b>	<b>300CE Convertible</b>	
	Cup/Cone; Inner .....	A17
	Cup/Cone; Outer .....	A12
<b>1993</b>	<b>300D, E, TE, E320 Sedan,300CE Sedan</b>	
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>1993-1992</b>	<b>400E</b>	
	Cup/Cone; Inner .....	A17
	Cup/Cone; Outer .....	A12
<b>1993-1991</b>	<b>300SL</b>	
	Cup/Cone; Inner .....	A17
	Cup/Cone; Outer .....	A12
<b>1992-1986</b>	<b>300CE, D, E, TD, TE</b>	
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>1991-1986</b>	<b>400 Series</b>	
	Seal ; Inner .....	1960
	Cup/Cone; Inner .....	A5
	Cup/Cone; Outer .....	A3
<b>1991-1982</b>	<b>300CDT, SD, SDL, SE, SEL,</b>	
	Cup/Cone; Inner .....	A5
	Cup/Cone; Outer .....	A3
	Seal; Inner .....	1960
<b>1985-1981</b>	<b>380SE, SEC, SEL, SL, SLC</b>	
	Seal ; Inner .....	1012N
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>1981-1980</b>	<b>300CD, D, SD, TD</b>	
	Seal ; Inner .....	1960
	Cup/Cone; Inner .....	A5
	Cup/Cone; Outer .....	A3
<b>1980</b>	<b>450SEL</b>	
	Seal ; Inner .....	1960
	Cup/Cone; Inner .....	A5
	Cup/Cone; Outer .....	A3

### REAR WHEEL

<b>1993-1992</b>	<b>300 Ser. (Exc. Convertible)</b>	
	Ball Bearing .....	513130
<b>1993-1992</b>	<b>400 Series</b>	
	Ball Bearing .....	513130
<b>1991-1987</b>	<b>300SDL, 300SE, 300SEL</b>	
	Cone/Cup ; Outer .....	LM503349A-LM503310
	Cone/Cup ; Inner .....	LM300849-LM300811
	Seal ; Inner .....	1174
<b>1991-1986</b>	<b>400 Series</b>	
	Cone/Cup ; Outer .....	LM503349A-LM503310
	Cone/Cup ; Inner .....	LM300849-LM300811
	Seal ; Inner .....	1174
<b>1986</b>	<b>300E</b>	
	Ball Bearing .....	513130
<b>1986-1980</b>	<b>300 Ser. (Exc. 300E)</b>	
	Cone/Cup ; Outer .....	LM503349A-LM503310
	Cone/Cup ; Inner .....	LM300849-LM300811
	Seal ; Inner .....	1174

### REAR WHEEL(cont)

<b>1980</b>	<b>450SEL</b>	
	Cone/Cup ; Outer .....	LM503349A-LM503310
	Cone/Cup ; Inner .....	LM300849-LM300811
	Seal ; Inner .....	1174

### REAR AXLE

#### Differential

<b>1993-1992</b>	<b>400SEL, 400SE</b>	
	Cone/Cup .....	387AS-382A
<b>1993-1986</b>	<b>400E, 420SEL</b>	
	Cone/Cup .....	LM806649-LM806610

#### Pinion

<b>1993-1992</b>	<b>400SEL, 400SE</b>	
	Cone/Cup ; Outer .....	HM88649-HM88610
	Cone/Cup ; Inner .....	
<b>1993-1986</b>	<b>400E, 420SEL</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M802048-M802011
<b>1988-1980</b>	<b>300 Series, (Exc 380 Series)</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
<b>1985-1981</b>	<b>380 Ser.</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M802048-M802011

### CLUTCH

#### Pilot Bearing

<b>1988-1980</b>	<b>All</b>	
	Ball Bearing .....	202

#### Release Bearing

<b>1991-1981</b>	<b>300 Series</b>	
	Bearing Assembly .....	614125

### ALTERNATOR

<b>1992-1990</b>	<b>(Bosch 90 Amp.)</b>	
	Ball Bearing ; Drive End .....	303CC
<b>1992-1980</b>	<b>(Bosch 55 Amp.)</b>	
	Ball Bearing ; Rear End .....	201S
	Ball Bearing ; Drive End .....	303CC
<b>1992-1980</b>	<b>(Bosch 65 Amp.)</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	303CC
<b>1992-1980</b>	<b>(Bosch 70 Amp.)</b>	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	303CC
<b>1992-1980</b>	<b>(Motorola 55 Amp.)</b>	
	Ball Bearing ; Drive End .....	203FF
<b>1990-1986</b>	<b>(Bosch 80 Amp.)</b>	
	Ball Bearing ; Drive End .....	303CC

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

<b>1993-1986</b>	<b>2599cc/2.6L, 2799cc/2.8L,2962cc/3.0L, 2998cc/3.0L,3199cc/3.2L</b>	
	Repair Sleeve .....	99177
	Seal .....	710289

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCEDES BENZ- 300 Series & 400 Series (cont.)

### CRANKSHAFT FRONT SEAL(cont)

#### 8 Cylinder

1993-1986	4196cc/4.2L(DOHC),4973/5.0L(DOHC)	
Repair Sleeve .....		99177
Seal .....		710289

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1993-1986	2599cc/2.6L, 2799cc/2.8L,2962cc/3.0L, 2998cc/3.0L,3199cc/3.2L	
Seal .....		710288

#### 8 Cylinder

1985-1981	3839cc/3.8L	
Seal Viton .....		710290

## MERCEDES BENZ- 500 Series & 600 Series

### FRONT WHEEL

2005	SLK55 AMG	
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A12
2005-2004	E500, E55, SL500, SL55	
Cone/Cup ; Inner .....		32008
Cup/Cone; Outer .....		A12
2005-2004	G500, G55	
Cone/Cup ; Inner .....		32010X
2005-2004	SL600	
Cone/Cup ; Inner .....		32008
Cup/Cone; Outer .....		A12
1999-1993	600SL, SL600	
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A12
1999-1992	600SEL, CL600, S600	
Cone/Cup ; Inner .....		32008
1997-1990	E500, SL500, 500E, 500SL	
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A12
1991-1984	500SEC, 500SEL, 560SEC, 560SEL	
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A3
1989-1986	560SL	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2

### REAR WHEEL

2005-2001	CL600, CL65 AMG	
Ball Bearing .....		513130
2005-1992	CL500, CLK500, CL55 AMG, CLK55 AMG, E500, 500E, SL500, 500SL, SLK55 AMG	
Ball Bearing .....		513130
1998-1993	600SL, SL600	
Ball Bearing .....		513130
1991-1990	500SL	
Ball Bearing .....		513130

### REAR WHEEL(cont)

1991-1984	500SEC, 500SEL, 560SEC,560SEL, 560SL	
Cone/Cup ; Outer .....		LM503349A-LM503310
Cone/Cup ; Inner .....		LM300849-LM300811
Seal ; Inner .....		1174

### REAR AXLE

#### Differential

1997-1992	600 Ser.	
Cone/Cup .....		387AS-382A
1993-1984	500 Ser.	
Cone/Cup .....		LM806649-LM806610

#### Pinion

1997-1992	600 Ser.	
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		
1997-1990	500 Ser.	
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		
1988-1984	500 Ser.	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M802048-M802011

### CLUTCH

#### Pilot Bearing

1988-1984	All	
Ball Bearing .....		202

### ALTERNATOR

1992-1990	(Bosch 90 Amp.)	
Ball Bearing ; Drive End .....		303CC
1992-1984	(Bosch 55 Amp.)	
Ball Bearing ; Rear End .....		201S
Ball Bearing ; Drive End .....		303CC
1992-1984	(Bosch 65 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCEDES BENZ- 500 Series & 600 Series (cont.)

### ALTERNATOR(cont)

<b>1992-1984 (Bosch 70 Amp.)</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
<b>1992-1984 (Motorola 55 Amp.)</b>		
Ball Bearing ; Drive End .....		203FF
<b>1990-1986 (Bosch 80 Amp.)</b>		
Ball Bearing ; Drive End .....		303CC

### CRANKSHAFT FRONT SEAL

#### 8 Cylinder

<b>2001-1984 4196cc/4.2L(DOHC),4973/5.0L(DOHC)</b>		
Repair Sleeve .....		99177
Seal .....		710289

#### 12 Cylinder

<b>1994-1992 5987cc/6.0L</b>		
Repair Sleeve .....		99177
Seal .....		710289

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

<b>1999-1995 4196cc/4.2L(DOHC),4973/5.0L(DOHC)</b>		
Seal Viton .....		710290

<b>1989-1984 4973cc/5.0L, 5547cc/5.6L</b>		
Seal Viton .....		710290

#### 12 Cylinder

<b>1999-1992 5987cc/6.0L</b>		
Seal .....		710288

## MERCEDES BENZ TRUCK- L, LP, LPK, LPS, LS, O309D Series

### FRONT WHEEL

<b>1991-1986 LP1219, HL 4/16 7</b>		
Cone/Cup ; Inner .....		HD206
<b>1991-1986 LP1219, L1319, HL5/1 10</b>		
Cone/Cup ; Outer .....		32215
Cone/Cup ; Inner .....		231204
Seal ; Inner .....		
<b>1991-1984 L1117, HL 4/28 7</b>		
Cone/Cup ; Inner .....		HD206
<b>1991-1984 L1117, VL 2/11 3</b>		
Cone/Cup ; Inner .....		33211
<b>1991-1984 L1117, VL 3/11D 4</b>		
Cone/Cup ; Outer .....		33208
Cone/Cup ; Inner .....		33213
Seal ; Inner .....		231002
<b>1991-1980 L1013, L1113, L1317, L1319,L1418, LS1418, VL 3/4 5</b>		
Cone/Cup ; Outer .....		32307
Cone/Cup ; Inner .....		417967
Seal ; Inner .....		
<b>1991-1980 L1317, L1319, L1418, LS1418,HL 4/8 10</b>		
Cone/Cup ; Outer .....		231204
Cone/Cup ; Inner .....		
Seal ; Inner .....		
<b>1991-1980 LP1219, L1319, L1418, LS1418,LP1419, VL 3/7D 5</b>		
Cone/Cup ; Outer .....		33208
Cone/Cup ; Inner .....		33213
Seal ; Inner .....		231002
<b>1988-1980 L1013, L1113</b>		
Cone/Cup ; Inner .....		32216

### FRONT WHEEL(cont)

<b>1988-1980 L1013, L1113, VL 3/1 3</b>		
Cone/Cup ; Outer .....		32307
Seal ; Inner .....		

### CLUTCH

#### Pilot Bearing

<b>1991-1980 6 Cyl 6.0L Turbo Diesel</b>		
Ball Bearing .....		205FF

<b>1984-1980 6 Cyl 5.5L Turbo Diesel</b>		
Ball Bearing .....		204FF

#### Release Bearing

<b>1991-1986 6 Cyl 6.0L Turbo Diesel w/ 330mm Clutch Bearing Assembly</b>		614113
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<b>1991-1985 5 Cyl 10.0L w/ Turbo Diesel Bearing Assembly</b>		614113
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<b>1991-1984 6 Cyl 6.0L Turbo Diesel w/ 330mm Clutch Bearing Assembly</b>		614112
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# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE - Capri

### FRONT WHEEL

1994-1991	All	
Seal ; Inner	.....	4990
Seal ; Outer	.....	710323
Cup/Cone	.....	A18

### REAR WHEEL

1994-1991	All	
Seal ; Inner	.....	1213N
Cup/Cone; Inner	.....	A15
Cup/Cone; Outer	.....	A2
Repair Sleeve; Inner	.....	99157

### CLUTCH

#### Pilot Bearing

1994-1991	All	
Ball Bearing	.....	202SS

#### Release Bearing

1994-1991	Turbo	
Bearing Assembly	.....	614079
1994-1991	w/o Turbo	
Bearing Assembly	.....	614128

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

1992-1991	(4HAT G)	
Cone/Cup	.....	32009XA

#### Torque Converter / Frt Pump

1992-1991	(4HAT G)	
Seal	.....	710446

#### Output Shaft

1992-1991	(4HAT G)	
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	2007N
Seal ; LH	.....	223543

#### Input Shaft

1994-1991	All	
Seal	.....	710446

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1994-1991	(Exc. Turbo)	
Cup/Cone	.....	A17
1994-1991	(Turbo)	
Cone/Cup	.....	32008

#### Output Shaft

1994-1991	All	
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	2007N
Seal ; LH	.....	223543

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Input Shaft

1994-1991	(Turbo)	
Seal ; Outer	.....	1990
Cup/Cone; Outer	.....	A32
Repair Sleeve; Outer	.....	
1994-1991	(w/o Turbo)	
Seal	.....	222430

### ALTERNATOR

1994-1991	(Bosch 85 Amp.)	
Ball Bearing ; Rear End	.....	201S
Ball Bearing ; Drive End	.....	303CC
1994-1991	Mitsubishi 70 Amp.	
Ball Bearing ; Drive End	.....	303CC

### CAMSHAFT SEAL

#### 4 Cylinder

1994-1991	1597cc/1.6L	
Seal	.....	223420

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1994-1991	1597cc/1.6L, (From 12/1/90)	
Repair Sleeve	.....	710355
Seal	.....	
1991	1597cc/1.6L, (Thru 12/1/90)	
Repair Sleeve	.....	99114
Seal	.....	223012

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1994-1991	1597cc/1.6L, (From 12/1/90)	
Seal	.....	228250

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE - Cougar

### FRONT WHEEL

2002-1999	All	
Ball Bearing .....		510029

### REAR WHEEL

2002-1999	All	
Hub Assembly .....		512024

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Convertor / Frt Pump

2002-1999	(CD4E)	
Seal .....		4635V

### 5-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

2002-1999	All	
Repair Sleeve .....		99169
Seal .....		3622

### CAMSHAFT SEAL

#### 4 Cylinder

2002-1999	121/2.0L (DOHC)	
Repair Sleeve .....		99169
Seal .....		3774

#### 6 Cylinder

2002-1999	2450cc/2.5L	
Seal .....		471651

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

2002-1999	121/2.0/L (DOHC)	
Repair Sleeve .....		99139
Seal .....		3771

#### 6 Cylinder

2002-1999	155/2.5L	
Repair Sleeve .....		99187
Seal .....		482041N

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2002-1999	121/2.0L	
Seal .....		3772
Seal PTFE H/D .....		

#### 6 Cylinder

2002-2000	2450cc/2.5L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

## MERCURY- FRONT DRIVE - Lynx, LN7

### FRONT WHEEL

1987-1983	(From 2/1/83)	
Ball Bearing .....		513014
Hub Kit .....		518503 <sup>25</sup>
1983-1981	(Thru 1/31/83)	
Seal ; Inner .....		3723
Cup/Cone .....		A31

### REAR WHEEL

1987-1984	All	
Seal ; Inner .....		473677
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A12
1983-1981	All	
Seal ; Inner .....		473677
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1

### AUTOMATIC TRANSAXLE

#### Differential

1987-1983	(Ball brg)	
Ball Bearing .....		208
1983-1981	(Tapered brg)	
Cup/Cone .....		A35

### AUTOMATIC TRANSAXLE(cont)

#### Output Shaft

1987-1981	All	
Repair Sleeve .....		99169
Seal .....		3622

#### Selector Shaft Seal/Man. Shaft

1987-1981	All	
Seal .....		342517

#### Input Shaft

1987-1981	All	
Seal .....		4539H

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1987-1984	(MTX II) (4 pinion)	
Cup/Cone .....		A37
1987-1981	(MTX II) (2 pinion)	
Cup/Cone .....		A35

#### Output Shaft

1987-1981	(MTX II)	
Repair Sleeve .....		99169
Seal .....		3622

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE - Lynx, LN7 (cont.)

### 4-SPEED MANUAL TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

1987-1981 (MTX II)	
Seal Viton .....	710274

#### Input Shaft

1987-1985 (MTX II RJS) (2nd design)	
Cone/Cup .....	LM67049A-LM67010
Repair Sleeve .....	99112
Seal .....	3638
1985-1981 (MTX II RGT) (1st design)	
Seal .....	710053

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1987-1983 (MTX III) (2 pinion)	
Cup/Cone .....	A35
1987-1983 (MTX III) (RWB(4 pinion)	
Cup/Cone .....	A37

#### Output Shaft

1987-1983 (MTX III)	
Repair Sleeve .....	99169
Seal .....	3622

#### Selector Shaft Seal/Man. Shaft

1987-1983 All	
Seal Viton .....	710274

#### Input Shaft

1987-1983 (MTX III)	
Cone/Cup .....	LM67049A-LM67010
Repair Sleeve .....	99112
Seal .....	3638

#### Countershaft : 5th Gear Shaft

1987-1983 (MTX III)	
Cup/Cone .....	A16

### ALTERNATOR

1987-1981 (Motorcraft)	
Ball Bearing ; Drive End .....	203FF
Needle Bearing; Rear End .....	MNJ471S

### CAMSHAFT SEAL

#### 4 Cylinder

1987-1985 116/1.9L	
Repair Sleeve .....	99169
Seal .....	3774
1987-1984 122/2.0L	
Seal .....	223420
1985-1981 98/1.6L	
Repair Sleeve .....	99169
Seal .....	3774

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1987-1985 116/1.9L	
Repair Sleeve .....	99139
Seal .....	3771

### CRANKSHAFT FRONT SEAL(cont)

#### 4 Cylinder(cont)

1987-1984 122/2.0L	
Repair Sleeve .....	99114
Seal .....	223012
1985-1981 98/1.6L	
Repair Sleeve .....	99139
Seal .....	3771

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1987-1985 116/1.9L	
Seal .....	3772
Seal PTFE H/D .....	
1987-1984 122/2.0L	
Seal .....	229010
1985-1981 98/1.6L	
Seal .....	3772
Seal PTFE H/D .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE - Montego

<b>FRONT WHEEL</b>		
<b>2WD</b>		
2007-2005	All	
Hub Assembly .....		513223
<b>REAR WHEEL</b>		
<b>4WD/AWD</b>		
2007-2005	All	
Hub Assembly .....		512299
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2005	3.0L	
Repair Sleeve .....		99187
Seal .....		482041N

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2006-2005	183/3.0L	
Seal Viton .....		3909

## MERCURY- FRONT DRIVE - Mystique

<b>FRONT WHEEL</b>		
2000-1995	All	
Ball Bearing .....		510029
<b>REAR WHEEL</b>		
2000-1995	All	
Hub Assembly .....		512024
<b>CLUTCH</b>		
<b>Release Bearing</b>		
2000-1995	All	
Bearing Assembly .....		614128
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2000-1995	(4EAT F)	
Cup/Cone .....		A17
2000-1995	(AX4, AXOD)	
Ball Bearing .....		208
1997-1995	(4EAT G)	
Cone/Cup .....		32008
<b>Torque Converter / Frt Pump</b>		
2000-1995	(4EAT G, 4HAT G)	
Seal .....		710446
2000-1995	(AX4, AXOD)	
Seal .....		4189H
2000-1995	(CD4E)	
Seal .....		4635V
<b>Output Shaft</b>		
2000-1995	(4EAT G, 4HAT G)	
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543
2000-1995	(AX4, AXOD)	
Repair Sleeve .....		99169
Seal .....		3622

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
2000-1995	(Mazda F52)	
Cup/Cone .....		A17
<b>Output Shaft</b>		
2000-1995	(Mazda F52)	
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543
<b>Selector Shaft Seal/Man. Shaft</b>		
2000-1995	All	
Seal .....		221620
<b>Input Shaft</b>		
2000-1995	(Mazda F52)	
Seal .....		222430
<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2000-1995	121/2.0/L	
Repair Sleeve .....		99169
Seal .....		3774
<b>6 Cylinder</b>		
2000-1995	2450cc/2.5L	
Seal .....		471651
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2000-1995	121/2.0/L	
Repair Sleeve .....		99139
Seal .....		3771
<b>6 Cylinder</b>		
2000-1995	2540cc/2.5L (DOHC)	
Repair Sleeve .....		99187
Seal .....		482041N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE - Mystique (cont.)

<b>CRANKSHAFT REAR SEAL</b>			<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>4 Cylinder</b>			<b>6 Cylinder</b>		
2000-1995	121/2.0/L		2000-1995	2540cc/2.5L	
Seal .....		3772	Seal Viton .....		3909
Seal PTFE H/D .....			Repair Sleeve .....		99363
			Seal PTFE H/D .....		

## MERCURY- FRONT DRIVE - Sable

<b>FRONT WHEEL</b>			<b>CLUTCH(cont)</b>		
2005-1996	All		<b>Release Bearing(cont)</b>		
Hub Assembly .....		513100	1993-1989	All	
1995-1991	(From 2/1/91)		Bearing Assembly Opt Brg. ....		614118
Ball Bearing .....		513058	Sleeve Kit .....		
Hub Kit; Opt .....		520100 <sup>25</sup>	<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
1991-1986	(Thru 1/31/91)		<b>Differential</b>		
Ball Bearing .....		513058	2002-1986	(AX4, AXOD)	
Hub Kit .....		520000 <sup>25</sup>	Ball Bearing .....		208
<b>2WD</b>			<b>Torque Converter / Frt Pump</b>		
2008	All		2005-1986	(AX4, AXOD)	
Hub Assembly .....		513223	Seal .....		4189H
<b>REAR WHEEL</b>			<b>Output Shaft</b>		
2005	(ABS) (Disc)		2005-1986	All	
Hub Assembly .....		512107	Repair Sleeve .....		99169
2005-2001	(ABS) (Drum)		Seal .....		3622
Hub Assembly .....		512163	<b>Selector Shaft Seal/Man. Shaft</b>		
2005-2001	(Non-ABS) (Drum)		1992-1991	(Exc. AXOD)	
Hub Assembly .....		512164	Seal .....		342517
2004-1993	(Disc)		<b>Input Shaft</b>		
Hub Assembly .....		512107	2004-1992	(AXOD, AXODE, AX4N, AX4S)	
2000	(ABS) (Drum)		Seal .....		4189H
Hub Assembly .....		512162	1992-1991	(Exc. AXOD)	
2000-1990	(Non-ABS) (Drum)		Seal .....		4539H
Hub Assembly .....		512106	<b>ALTERNATOR</b>		
1992-1990	(Disc)		1991-1986	(Motorcraft)	
Hub Assembly .....		512105	Ball Bearing ; Drive End .....		203FF
1989-1986	All		Needle Bearing; Rear End .....		MNJ471S
Seal ; Inner .....		6815	<b>CRANKSHAFT FRONT SEAL</b>		
Cup/Cone; Inner .....		A6	<b>4 Cylinder</b>		
Cup/Cone; Outer .....		A12	1986	153/2.5L	
<b>2WD</b>			Seal .....		714075
2008	All		<b>6 Cylinder</b>		
Hub Assembly .....		512299	2005-1996	182/3.0L (DOHC)	
<b>CLUTCH</b>			Repair Sleeve .....		99187
<b>Pilot Bearing</b>			Seal .....		482041N
1993-1990	All				
Ball Bearing .....		202SS			
<b>Release Bearing</b>					
1993-1989	All				
Bearing Assembly .....		614060			

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE - Sable (cont.)

### CRANKSHAFT FRONT SEAL(cont)

#### 6 Cylinder(cont)

<b>2004-1986</b>	<b>182/3.0L OHV</b>	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942
<b>1995-1988</b>	<b>232/3.8L</b>	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

<b>1986</b>	<b>153/2.5L</b>	
Seal .....		3772
Seal PTFE H/D .....		

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

<b>2005-1996</b>	<b>182/3.0L (DOHC)</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>2005-1986</b>	<b>182/3.0L OHV</b>	
Seal .....		3772
Seal PTFE H/D .....		
<b>1995-1988</b>	<b>232/3.8L</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

## MERCURY- FRONT DRIVE - Tracer

### FRONT WHEEL

<b>1999-1991</b>	<b>All</b>	
Ball Bearing .....		510013
Seal .....		1932
<b>1989-1987</b>	<b>All</b>	
Seal ; Inner .....		1884
Seal ; Outer .....		710323
Cup/Cone .....		A18

### REAR WHEEL

<b>1999-1994</b>	<b>(Disc)</b>	
Hub Assembly .....		512161
<b>1999-1994</b>	<b>(Drum)</b>	
Hub Assembly .....		513030
<b>1993-1991</b>	<b>All</b>	
Hub Assembly .....		513030
<b>1989-1987</b>	<b>(Sedan)</b>	
Seal ; Inner .....		710311
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A2
<b>1989-1987</b>	<b>(Wagon)</b>	
Cone/Cup ; Inner .....		15123-15245
Seal ; Inner .....		1973
Cup/Cone; Outer .....		A2

### CLUTCH

#### Pilot Bearing

<b>1999-1997</b>	<b>4 Cyl 1989cc/2.0L</b>	
Needle Bearing .....		FC65354
<b>1996-1991</b>	<b>4 Cyl 113ci/1.8L DOHC</b>	
Ball Bearing .....		202SS
<b>1996-1991</b>	<b>4 Cyl 116ci/1.9L</b>	
Needle Bearing .....		FC65354
<b>1989-1987</b>	<b>4 Cyl</b>	
Ball Bearing .....		202SS

### CLUTCH(cont)

#### Release Bearing

<b>1999-1997</b>	<b>4 Cyl 1989cc/2.0L</b>	
Bearing Assembly .....		614155
<b>1996-1991</b>	<b>4 Cyl 113ci/1.8L DOHC</b>	
Bearing Assembly .....		614079
<b>1996-1991</b>	<b>4 Cyl 116ci/1.9L</b>	
Bearing Assembly .....		614128

### CLUTCH - 4 CYLINDER

#### Pilot Bearing

<b>1996-1991</b>	<b>113/1.8L (DOHC)</b>	
Ball Bearing .....		202SS
<b>1989-1987</b>	<b>1598cc/1.6</b>	
Ball Bearing .....		202SS

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>1989-1987</b>	<b>All</b>	
Ball Bearing .....		208

#### Output Shaft

<b>1989-1987</b>	<b>All</b>	
Repair Sleeve .....		99169
Seal .....		3622

#### Selector Shaft Seal/Man. Shaft

<b>1989-1987</b>	<b>All</b>	
Seal .....		342517

#### Torque Converter

<b>1989-1987</b>	<b>All</b>	
Seal .....		4539H

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE - Tracer (cont.)

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1999-1991	(AX4, AXOD)	
Ball Bearing .....		208
<b>Torque Converter / Frt Pump</b>		
1999-1998	(CD4E)	
Seal .....		4635V
1999-1991	(AX4, AXOD)	
Seal .....		4189H
<b>Output Shaft</b>		
1999-1991	(AX4, AXOD)	
Repair Sleeve .....		99169
Seal .....		3622

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1999-1991	(Mazda F52)	
Cup/Cone .....		A17
1994-1987	(MTX III)	
Cup/Cone .....		A35
<b>Output Shaft</b>		
1999-1991	(Mazda F52)	
Repair Sleeve; LH .....		99139
Seal ; RH .....		2007N
Seal ; LH .....		223543
1994-1987	(MTX III)	
Repair Sleeve .....		99169
Seal .....		3622
<b>Selector Shaft Seal/Man. Shaft</b>		
1994-1987	(MTX III)	
Seal Viton .....		710274
<b>Input Shaft</b>		
1999-1991	(Mazda F52)	
Seal .....		222430
1994-1987	(MTX III)	
Cone/Cup .....	LM67049A-LM67010	
Repair Sleeve .....		99112
Seal .....		3638

<b>ALTERNATOR</b>		
1991-1987	(Motorcraft)	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
1999-1991	116/1.9L, 122/2.0L	
Repair Sleeve .....		99169
Seal .....		3774
1996-1991	1839cc/1.8L	
Seal .....		223420
1989-1987	1598cc/1.6	
Repair Sleeve .....		99114
Seal .....		223012

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1996-1991	116/1.9L, 122/2.0L	
Repair Sleeve .....		99139
Seal .....		3771
1996-1991	1839cc/1.8L	
Repair Sleeve .....		710355
Seal .....		
1989-1987	1597cc/1.6L	
Repair Sleeve .....		99114
Seal .....		223012

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1999-1991	116/1.9L, 122/2.0L	
Seal .....		3772
Seal PTFE H/D .....		
1996-1991	1839cc/1.8L	
Seal .....		228250
1989-1987	1598cc/1.6	
Seal .....		228250

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE, AWD - Montego

### FRONT WHEEL

#### 4WD/AWD

2007-2005	All	
Hub Assembly .....		513223

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2005	3.0L	
Repair Sleeve .....		99187
Seal .....		482041N

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2006-2005	183/3.0L	
Seal Viton .....		3909

## MERCURY- FRONT DRIVE, AWD - Sable

### FRONT WHEEL

#### 4WD/AWD

2008	All	
Hub Assembly .....		513223

## MERCURY- FRONT DRIVE, AWD - Topaz

### FRONT WHEEL

1994-1984	All	
Ball Bearing .....		513014
Hub Kit .....		518503 <sup>25</sup>

### REAR WHEEL

1994-1984	All	
Seal ; Inner .....		473677
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A12
1991-1988 (AWD)		
Wheel Brg .....		513001

### CLUTCH

#### Release Bearing

1994-1989	All	
Bearing Assembly .....		614060
1994-1989	All	
Bearing Assembly Opt Brg. ....		614118
Sleeve Kit .....		

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1994-1984	All	
Ball Bearing .....		208

#### Output Shaft

1994-1984	All	
Repair Sleeve .....		99169
Seal .....		3622

#### Selector Shaft Seal/Man. Shaft

1994-1984	All	
Seal .....		342517

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Torque Converter

1994-1984	(ATX)	
Seal .....		4539H

#### Input Shaft

1994-1991	All	
Seal .....		4539H

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1994-1984	(MTX III) (2 pinion)	
Cup/Cone .....		A35
1994-1984	(MTX III) (4 pinion)	
Cup/Cone .....		A37

#### Output Shaft

1994-1984	(MTX III)	
Repair Sleeve .....		99169
Seal .....		3622

#### Selector Shaft Seal/Man. Shaft

1994-1984	(MTX III)	
Seal Viton .....		710274

#### Input Shaft

1994-1984	(MTX III)	
Cone/Cup .....		LM67049A-LM67010
Repair Sleeve .....		99112
Seal .....		3638

#### Countershaft

1994-1984	(MTX III)	
Cup/Cone .....		A16

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- FRONT DRIVE, AWD - Topaz (cont.)

### TRANSFER CASE

#### Input Shaft

1991-1988 (Spicer)		
Ball Bearing .....		206
Cup/Cone .....		A2

#### Front Output Shaft

1991-1988 (Spicer)		
Cone/Cup .....	M86647-M86610	

#### Rear Output Shaft

1991-1988 (Spicer)		
Cone/Cup .....	M86649-M86610	

### ALTERNATOR

1991-1987 Mazda 65 Amp.		
Ball Bearing ; Drive End .....		303CC
1991-1984 (Motorcraft)		
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1994-1984 140/2.3L		
Seal .....		714075
1986-1984 1998/2.0L (Diesel)		
Repair Sleeve .....		99114
Seal .....		223012

### CRANKSHAFT FRONT SEAL(cont)

#### 6 Cylinder

1994-1992 183/3.0L		
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1994-1984 140/2.3L		
Seal .....		3772
Seal PTFE H/D .....		
1986-1984 1998cc/2.0L (Diesel)		
Seal .....		229010

#### 6 Cylinder

1994-1992 183/3.0L		
Seal .....		3772
Seal PTFE H/D .....		

## MERCURY- REAR DRIVE - Bobcat

### FRONT WHEEL

1980 All		
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A13
Cup/Cone; Outer .....		A12

### REAR WHEEL

1980 All		
Ball Bearing .....	RW207CCRA	
Seal .....		3214

### REAR AXLE

#### Differential

1980 (6.75" R.G.)		
Cone/Cup .....	LM501349-LM501314	
1980 (8" R.G.)		
Cup/Cone .....		A35

#### Pinion

1980 (6.75" R.G.)		
Seal .....		3618
Cone/Cup ; Outer .....	M86649-M86610	
Cone/Cup ; Inner .....	HM88648-HM88610	

### REAR AXLE(cont)

#### Pinion(cont)

1980 (8" R.G.)		
Cone/Cup .....	M86649-M86610	
Seal .....		3618
Cyl. Bearing .....		R1558TAV

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1980 (C4)		
Seal .....		7692S
Seal Kit .....		5202

#### Selector Shaft Seal/Man. Shaft

1980 (C4)		
Seal .....		240816

#### Torque Converter

1980 (C4)		
Seal .....		331107N

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- REAR DRIVE - Bobcat (cont.)

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1980	(German Design ET)	
Ball Bearing	.....	207LO
Seal	.....	

#### Rear Output Shaft

1980	(German Design ET)	
Ball Bearing	.....	2443
Seal	.....	

### ALTERNATOR

1980	(Motorcraft)	
Ball Bearing ; Drive End	.....	203FF
Needle Bearing; Rear End	.....	MNJ471S

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1980	140/2.3L	
Seal	.....	2955

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1980	140/2.3L	
Seal Rope	.....	5095
Seal Split	.....	5108

## MERCURY- REAR DRIVE - Brougham, Colony Park, Commuter, Grand Marquis, Marquis, Marauder, Medalist, Montclair, Park Lane

### FRONT WHEEL

2008-2005	Grand Marquis (From 2/24/05)	
Hub Assembly	.....	513230
2005-2003	Grand Marquis, Marauder (Thru 2/23/05)	
Hub Assembly	.....	513196
2002-1997	(From 4/1/97)	
Hub Assembly	.....	513202
1997-1992	(Thru 3/31/97)	
Hub Assembly	.....	513104
1991-1980	All	
Seal ; Inner	.....	6815
Cup/Cone; Inner	.....	A18
Cup/Cone; Outer	.....	A12

### REAR WHEEL

2006-1980	All	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>91</sup>

### REAR AXLE

#### Differential

2005-1980	(8.5", 8.8" R.G.)	
Cup/Cone	.....	A36
1981-1980	(7.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314

### REAR AXLE(cont)

#### Pinion

2005-1999	(8.8" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
1998-1980	(7.5", 8.5", 8.8" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1980	(C4)	
Seal	.....	7692S
Seal Kit	.....	5202
1980	(C6)	
Seal	.....	7300S
Seal Kit	.....	5203

#### Selector Shaft Seal/Man. Shaft

1980	(C4)	
Seal	.....	240816
1980	(w/o C4)	
Seal	.....	7929S

#### Torque Converter

1980	(C4, C6)	
Seal	.....	331107N

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MERCURY- REAR DRIVE - Brougham, Colony Park, Commuter, Grand Marquis, Marquis, Marauder, Medalist, Montclair, Park Lane (cont.)</b>					

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2002-1995 (AODE)		
Seal .....		4764
1994-1992 (AODE)		
Seal .....		7692S
Seal Kit .....		5202
1991-1981 (AOT, AOD) (long boot)		
Seal .....		7692S
Seal Kit .....		5202
1991-1981 (AOT, AOD) (short boot)		
Seal .....		7692S
<b>Selector Shaft Seal/Man. Shaft</b>		
2005-1981 All		
Seal .....		7929S
<b>Torque Converter</b>		
1992-1981 (AOT, AOD)		
Seal .....		331107N
<b>ALTERNATOR</b>		
1991-1980 (Motorcraft)		
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S
<b>CRANKSHAFT FRONT SEAL</b>		
<b>8 Cylinder</b>		
2006-1992 281/4.6L		
Repair Sleeve .....		99187
Seal .....		482041N
1991-1980 (w/o 281/4.6, 292/4.8)		
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942
<b>CRANKSHAFT REAR SEAL</b>		
<b>8 Cylinder</b>		
2006-1984 281/4.6L, 302/5.0L		
Seal Viton .....		3909

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder(cont)</b>		
1989-1984 351/5.8L (W)		
Seal Viton .....		2377
Repair Sleeve .....		99372
Seal PTFE H/D .....		5278
1983 302/5.0L From 11/82		
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
1983 302/5.0L Thru 11/82		
Seal Rope .....		5095
Seal Split .....		5108
1983 351/5.8L (W) From 7/10/83		
Seal Viton .....		2377
Repair Sleeve .....		99372
Seal PTFE H/D .....		5278
1983 351/5.8L (W) To 7/10/83		
Seal Rope .....		5095
Seal Split .....		5108
1982-1980 260/4.3, 289/4.7, 302/5.0, 351/5.8(C), 351/5.8 (W)		
Seal Rope .....		5095
Seal Split .....		5108

## MERCURY- REAR DRIVE - Capri

<b>FRONT WHEEL</b>		
1986-1984 Capri GT		
Seal ; Inner .....		9150S
Cup/Cone; Inner .....		A5
Cup/Cone; Outer .....		A12
1986-1980 (Exc. Capri GT)		
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A12

<b>REAR WHEEL</b>		
1986-1980 (7.5", 8.8" R.G.)		
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>
1983-1980 (6.75" R.G.)		
Ball Bearing .....		RW207CCRA
Seal .....		3214

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- REAR DRIVE - Capri (cont.)

### REAR AXLE

#### Differential

1986	(8.8" R.G.)	
Cup/Cone	.....	A36
1986-1980	(6.75" R.G.)	
Cone/Cup	.....	LM501349-LM501314
1986-1980	(7.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314

#### Pinion

1986-1980	(7.5", 8.8" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
1982-1980	(6.75" R.G.)	
Seal	.....	3618
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM88648-HM88610

### 3-SPEED AUTOMATIC TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1986-1980	(C3)	
Seal	.....	7929S
1986-1980	(C4, C5)	
Seal	.....	240816

#### Torque Converter

1986-1980	(C3)	
Seal	.....	2658
1986-1980	(C4)	
Seal	.....	331107N
1986-1980	(C5)	
Seal	.....	331107N

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1986-1982	(AOT, AOD) (long boot)	
Seal	.....	7692S
Seal Kit	.....	5202
1986-1982	(AOT, AOD) (short boot)	
Seal	.....	7692S

#### Selector Shaft Seal/Man. Shaft

1986-1982	(AOT, AOD)	
Seal	.....	7929S

#### Torque Converter

1986-1982	(AOT, AOD)	
Seal	.....	331107N

### 4-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1983-1980	All	
Seal	.....	313156

#### Input Shaft

1986-1980	(German Design ET)	
Ball Bearing	.....	207LO
Seal	.....	

### 4-SPEED MANUAL TRANSMISSION(cont)

#### Input Shaft(cont)

1983-1982	(Tremec 174)	
Ball Bearing	.....	209L
Repair Sleeve	.....	99112
Seal	.....	3638
1982-1980	(Tremec 171)	
Ball Bearing	.....	308L4
Repair Sleeve	.....	99112
Seal	.....	3638
1982-1980	(Warner SR4)	
Ball Bearing	.....	99112
Repair Sleeve	.....	3638
Seal	.....	

#### Rear Output Shaft

1986-1980	(German Design)	
Ball Bearing	.....	2443
Seal	.....	
1983-1982	(Tremec 174)	
Ball Bearing	.....	307L
Seal	.....	7692S
Seal Kit	.....	5202
1982-1980	(Tremec 171)	
Ball Bearing	.....	308L4
Seal	.....	7692S
Seal Kit	.....	5202
1982-1980	(Warner SR4) (25 spline) (1.375" shaft)	
Ball Bearing	.....	207L
Seal	.....	

### 5-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1983-1980	(Tremec 140, 141)	
Seal	.....	314267N

#### Front Input Shaft

1986-1983	(Warner T5 World Class)	
Repair Sleeve	.....	99125
Seal	.....	7412S
Cup/Cone	.....	A5
1983-1980	(Tremec 140, 141)	
Seal	.....	482163N
Cup/Cone	.....	A5

#### Rear Output Shaft

1986-1983	(Warner T5 World Class)	
Cone/Cup	.....	25877-25821
Seal	.....	7692S
Seal Kit	.....	5202
1983-1980	(Tremec 140, 141)	
Seal	.....	222820
Cup/Cone	.....	A5

#### Countershaft

1986-1985	(Warner T5 World Class)	
Cone/Cup ; Frt	.....	A6
Cup/Cone; Rr	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- REAR DRIVE - Capri (cont.)

### 5-SPEED MANUAL TRANSMISSION(cont)

#### Countershaft(cont)

1983-1980 (Tremec 140, 141)	
Cup/Cone; Frt .....	A2
Cup/Cone; Rr .....	A6

#### Mainshaft Pilot

1986-1983 (Warner T5 World Class)	
Cone/Cup .....	25877-25821
Seal .....	7692S
Seal Kit .....	5202
1983-1980 (Tremec 140, 141)	
Seal .....	222820
Cup/Cone .....	A5

### ALTERNATOR

1986-1980 (Motorcraft)	
Ball Bearing ; Drive End .....	203FF
Needle Bearing; Rear End .....	MNJ471S

### CAMSHAFT SEAL

#### 4 Cylinder

1986-1980 140/2.3L	
Seal .....	2955

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1986-1980 140/2.3L	
Seal .....	2955

#### 6 Cylinder

1986-1983 232/3.8L	
Repair Sleeve; Frt Entry .....	99187
Repair Sleeve; Rr Entry .....	99187
Seal ; Frt Entry .....	2692
Seal ; Rr Entry .....	2942
1982-1980 200/3.3L	
Repair Sleeve .....	99174
Seal .....	7486S

#### 8 Cylinder

1986-1980 255/4.2L, 302/5.0L	
Repair Sleeve; Frt Entry .....	99187
Repair Sleeve; Rr Entry .....	99187
Seal ; Frt Entry .....	2692
Seal ; Rr Entry .....	2942

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1986-1982 140/2.3L	
Seal Viton .....	3909
Repair Sleeve .....	99363
Seal PTFE H/D .....	
1981-1980 140/2.3L	
Seal Rope .....	5095
Seal Split .....	5108

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

1986-1983 232/3.8L From 1/1/83	
Seal Viton .....	3909
Repair Sleeve .....	99363
Seal PTFE H/D .....	
1983 232/3.8L to 12/31/82	
Seal Rope .....	5095
Seal Split .....	5108
1982-1980 200/3.3L	
Seal Rope .....	5095
Seal Split .....	5116

#### 8 Cylinder

1986-1983 302/5.0L From 12/82	
Seal Viton .....	3909
Repair Sleeve .....	99363
Seal PTFE H/D .....	
1983-1982 302/5.0L Thru 11/82	
Seal Rope .....	5095
Seal Split .....	5108
1982-1980 255/4.2	
Seal Rope .....	5095
Seal Split .....	5108

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- REAR DRIVE - Comet, Cyclone, Meteor, Montego

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1983-1980	(C4, C5)	
Seal	.....	7692S
Seal Kit	.....	5202
1980	(Jatco 3N71)	
Repair Sleeve	.....	99139
Seal	.....	3771

#### Selector Shaft Seal/Man. Shaft

1983-1980	(C4, C5)	
Seal	.....	240816

#### Torque Converter

1983-1980	(C4, C5, C6)	
Seal	.....	331107N
1980	(Jatco 3N71 3 Spd.)	
Seal Viton	.....	2025

### CRANKSHAFT FRONT SEAL

#### 8 Cylinder

1982-1980	(w/o 281/4.6, 292/4.8)	
Repair Sleeve; Frt Entry	.....	99187
Repair Sleeve; Rr Entry	.....	99187
Seal ; Frt Entry	.....	2692
Seal ; Rr Entry	.....	2942

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

1982-1980	260/4.3, 289/4.7, 302/5.0, 351/5.8(C), 351/5.8 (W)	
Seal Rope	.....	5095
Seal Split	.....	5108

## MERCURY- REAR DRIVE - Cougar, XR-7

### FRONT WHEEL

1997-1993	All	
Hub Assembly	.....	513092
1992-1991	(ABS, Non-ABS)	
Hub Assembly	.....	513092
1990-1989	(ABS)	
Hub Assembly	.....	513076
1990-1989	(Non-ABS)	
Hub Assembly	.....	513077
1988-1984	XR7 (Turbo)	
Seal ; Inner	.....	9150S
Cup/Cone; Inner	.....	A5
Cup/Cone; Outer	.....	A12
1988-1980	XR7 (Exc. Turbo)	
Seal ; Inner	.....	6815
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A12

### REAR WHEEL

1997-1989	All	
Ball Bearing	.....	513058
1988-1980	All	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>91</sup>

### REAR AXLE

#### Differential

1997-1989	(7.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314
1997-1986	(8.8" R.G.)	
Cup/Cone	.....	A36
1988-1980	(7.5" R.G.)	
Cone/Cup	.....	LM501349-LM501314

### REAR AXLE(cont)

#### Pinion

1997-1980	(7.5", 8.8" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011

#### Axle Shaft

1997-1989	(IRS 7.5" R.G., IRS 8.8" R.G.)	
Seal Viton	.....	714569
1988-1980	(IRS 7.5" R.G.)	
Seal Viton	.....	714569

### CLUTCH

#### Pilot Bearing

1992-1989	All	
Needle Bearing	.....	FC65174

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1986-1981	(C3)	
Seal	.....	2655
1982-1980	(C4, C5)	
Seal	.....	7692S
Seal Kit	.....	5202

#### Selector Shaft Seal/Man. Shaft

1986-1981	(C3)	
Seal	.....	7929S
1982-1980	(C4, C5)	
Seal	.....	240816

#### Torque Converter

1986-1981	(C3)	
Seal	.....	2658

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MERCURY- REAR DRIVE - Cougar, XR-7 (cont.)</b>					
<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>			<b>5-SPEED MANUAL TRANSMISSION(cont)</b>		
<b>Torque Converter(cont)</b>			<b>Rear Output Shaft(cont)</b>		
1982-1980	(C4, C5, C6)		1986-1984	(Warner T5 World Class)	
Seal .....		331107N	Cone/Cup .....		25877-25821
<b>4-SPEED AUTOMATIC TRANSMISSION</b>			Seal .....		7692S
<b>Rear Seal/Ext. Housing</b>			Seal Kit .....		5202
1997-1994	(AODE W)		<b>Countershaft</b>		
Seal .....		4764	1995-1989	(Mazda M5R2)	
1997-1994	(AODE)		Ball Bearing ; Rr .....		304
Seal .....		7692S	Cyl. Bearing ; Center .....		
Seal Kit .....		5202	1986-1985	(Warner T5 World Class)	
1993-1981	(AOT, AOD) (long boot)		Cone/Cup ; Frt .....		A6
Seal .....		7692S	Cup/Cone; Rr .....		
Seal Kit .....		5202	<b>ALTERNATOR</b>		
1993-1981	(AOT, AOD) (short boot)		1993-1980	(Motorcraft)	
Seal .....		7692S	Ball Bearing ; Drive End .....		203FF
<b>Selector Shaft Seal/Man. Shaft</b>			Needle Bearing; Rear End .....		MNJ471S
1997-1981	All		<b>CAMSHAFT SEAL</b>		
Seal .....		7929S	<b>4 Cylinder</b>		
<b>Torque Converter</b>			1986-1981	140/2.3L	
1997-1992	(AODE)		Seal .....		2955
Seal .....		3404	<b>CRANKSHAFT FRONT SEAL</b>		
1993-1981	(AOT, AOD)		<b>4 Cylinder</b>		
Seal .....		331107N	1986-1981	140/2.3L	
<b>4-SPEED MANUAL TRANSMISSION</b>			Seal .....		2955
<b>Input Shaft</b>			<b>6 Cylinder</b>		
1982-1981	(German Design ET)		1987-1982	232/3.8L	
Ball Bearing .....		207LO	Seal ; Frt .....		2692
Seal .....			Repair Sleeve; Frt .....		99187
<b>Rear Output Shaft</b>			Repair Sleeve; Rr Entry .....		99187
1982-1981	(German Design ET)		Seal ; Rr Entry .....		2942
Ball Bearing .....		2443	1982-1980	200/3.3L	
Seal .....			Repair Sleeve .....		99174
<b>5-SPEED MANUAL TRANSMISSION</b>			Seal .....		7486S
<b>Extension Housing</b>			<b>8 Cylinder</b>		
1995-1989	(Mazda M5R2)		1997-1994	281/4.6L	
Seal .....		710415	Repair Sleeve .....		99187
<b>Front Input Shaft</b>			Seal .....		482041N
1995-1989	(Mazda M5R2)		1993-1980	(w/o 281/4.6)	
Repair Sleeve .....		99114	Repair Sleeve; Frt Entry .....		99187
Seal .....		223012	Repair Sleeve; Rr Entry .....		99187
1986-1984	(Warner T5 World Class)		Seal ; Frt Entry .....		2692
Repair Sleeve .....		99125	Seal ; Rr Entry .....		2942
Seal .....		7412S	<b>CRANKSHAFT REAR SEAL</b>		
Cup/Cone .....		A5	<b>4 Cylinder</b>		
<b>Rear Output Shaft</b>			1986-1982	140/2.3L	
1995-1989	(Mazda M5R2)		Seal Viton .....		3909
Seal .....		710414	Repair Sleeve .....		99363
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# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- REAR DRIVE - Cougar, XR-7 (cont.)

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

<b>1997-1984</b>	<b>232/3.8L From 1/1/83</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>1983</b>	<b>232/3.8L From 1/1/83</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>1983</b>	<b>232/3.8L to 12/31/82</b>	
Seal Rope .....		5095
Seal Split .....		5108
<b>1982</b>	<b>232/3.8L</b>	
Seal Rope .....		5095
Seal Split .....		5108
<b>1982-1980</b>	<b>200/3.3L</b>	
Seal Rope .....		5095
Seal Split .....		5116

### CRANKSHAFT REAR SEAL(cont)

#### 8 Cylinder

<b>1997-1984</b>	<b>281/4.6L, 302/5.0L</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>1983</b>	<b>302/5.0L From 12/82</b>	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		
<b>1983</b>	<b>302/5.0L Thru 11/82</b>	
Seal Rope .....		5095
Seal Split .....		5108
<b>1982-1980</b>	<b>255/4.2, 260/4.3, 289/4.7, 302/5.0, 351/5.8 (C), 351/5.8 (W)</b>	
Seal Rope .....		5095
Seal Split .....		5108

## MERCURY- REAR DRIVE - Monarch

### FRONT WHEEL

<b>1980</b>	<b>All</b>	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A13
Cup/Cone; Outer .....		A12

### REAR WHEEL

<b>1980</b>	<b>All</b>	
Ball Bearing .....		RW207CCRA
Seal .....		9569S

### REAR AXLE

#### Differential

<b>1980</b>	<b>(8" R.G.)</b>	
Cup/Cone .....		A35

#### Pinion

<b>1980</b>	<b>(6.75" R.G.)</b>	
Seal .....		3618
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88648-HM88610
<b>1980</b>	<b>(7.5" R.G.)</b>	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1980</b>	<b>(8" R.G.)</b>	
Cone/Cup .....		M86649-M86610
Seal .....		3618
Cyl. Bearing .....		R1558TAV

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>1980</b>	<b>(C3)</b>	
Seal .....		2655

### 3-SPEED AUTOMATIC TRANSMISSION(cont)

#### Rear Seal/Ext. Housing(cont)

<b>1980</b>	<b>(C4, C5)</b>	
Seal .....		7692S
Seal Kit .....		5202
<b>1980</b>	<b>(Jatco 3N71)</b>	
Repair Sleeve .....		99139
Seal .....		3771

#### Selector Shaft Seal/Man. Shaft

<b>1980</b>	<b>(C3)</b>	
Seal .....		7929S
<b>1980</b>	<b>(C4, C5)</b>	
Seal .....		240816

#### Torque Converter

<b>1980</b>	<b>(C3)</b>	
Seal .....		2658
<b>1980</b>	<b>(C4, C5, C6)</b>	
Seal .....		331107N
<b>1980</b>	<b>(Jatco 3N71 3 Spd.)</b>	
Seal Viton .....		2025

### ALTERNATOR

<b>1980</b>	<b>(Motorcraft)</b>	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- REAR DRIVE - Monarch (cont.)

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

1980	250/4.1L	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

#### 8 Cylinder

1980	255/4.2L, 302/5.0L, 351/5.8L	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1980	250/4.1L	
Seal Rope .....		5095
Seal Split .....		5108

#### 8 Cylinder

1980	255/4.2L, 302/5.0L, 351/5.8L	
Seal Rope .....		5095
Seal Split .....		5108

## MERCURY- REAR DRIVE - Zephyr

### FRONT WHEEL

1983-1980	All	
Seal ; Inner .....		6815
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A12

### REAR WHEEL

1983-1980	(6.75" R.G.)	
Ball Bearing .....		RW207CCRA
Seal .....		3214
1983-1980	(WGX Axle) (7.5" R.G.)	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

### REAR AXLE

#### Differential

1983-1980	All	
Cone/Cup .....		LM501349-LM501314

#### Pinion

1983-1980	All	
Seal Viton .....		3604
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1983-1980	(C3)	
Seal .....		2655
1983-1980	(C4, C5)	
Seal .....		7692S
Seal Kit .....		5202

#### Selector Shaft Seal/Man. Shaft

1983-1980	(C3)	
Seal .....		7929S
1983-1980	(C4, C5)	
Seal .....		240816

### 3-SPEED AUTOMATIC TRANSMISSION(cont)

#### Torque Converter

1983-1980	(C3)	
Seal .....		2658
1983-1980	(C4, C5)	
Seal .....		331107N

### 4-SPEED AUTOMATIC TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1983-1980	(Tremec 171)	
Seal .....		313156

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1983-1980	(German Design)	
Ball Bearing .....		207LO
Seal .....		
1983-1980	(Tremec 171)	
Ball Bearing .....		308L4
Repair Sleeve .....		99112
Seal .....		3638

#### Rear Output Shaft

1983-1980	(Tremec 171)	
Ball Bearing .....		308L4
Seal .....		7692S
Seal Kit .....		5202

### ALTERNATOR

1983-1980	(Motorcraft)	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S

### CAMSHAFT SEAL

#### 4 Cylinder

1983-1980	140/2.3L	
Seal .....		2955

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY- REAR DRIVE - Zephyr (cont.)

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1983-1980	140/2.3L	
Seal .....		2955

#### 6 Cylinder

1983-1980	200/3.3L	
Repair Sleeve .....		99174
Seal .....		7486S

#### 8 Cylinder

1982-1980	255/4.2L, 302/5.0L	
Repair Sleeve; Frt Entry .....		99187
Repair Sleeve; Rr Entry .....		99187
Seal ; Frt Entry .....		2692
Seal ; Rr Entry .....		2942

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1983-1982	140/2.3L	
Seal Viton .....		3909
Repair Sleeve .....		99363
Seal PTFE H/D .....		

1981-1980	140/2.3L	
Seal Rope .....		5095
Seal Split .....		5108

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

1983-1980	200/3.3L	
Seal Rope .....		5095
Seal Split .....		5116

#### 8 Cylinder

1982-1980	255/4.2L, 302/5.0L	
Seal Rope .....		5095
Seal Split .....		5108

## MERCURY TRUCK- MINIVAN - Monterey

### FRONT WHEEL

2006-2004	(L.H.) (ABS)	
Hub Assembly .....		513232
2006-2004	(R.H.) (ABS)	
Hub Assembly .....		513233

### 4-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

2004	All	
Repair Sleeve .....		99169
Seal .....		3622

#### Input Shaft

2004	All	
Seal .....		4189H

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2006-2004	256/4.2L	
Seal Viton .....		3909

## MERCURY TRUCK- MINIVAN - Villager

### FRONT WHEEL

2002-1993	All	
Ball Bearing .....		510028

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY TRUCK- MINIVAN - Villager (cont.)

<b>REAR WHEEL</b>			<b>CRANKSHAFT FRONT SEAL</b>		
2002-1997	All		<b>6 Cylinder</b>		
	Hub Assembly .....	512219	2002-1999	3275/3.3L	
1996-1993	All			Seal .....	224052
	Ball Bearing .....	511008	1998-1993	2960cc/3.0L	
<b>4-SPEED AUTOMATIC TRANSAXLE</b>				Seal .....	224052
<b>Differential</b>			<b>CRANKSHAFT REAR SEAL</b>		
2002-1993	All		<b>6 Cylinder</b>		
	Cone/Cup .....	32009XA	2002-1999	3275/3.3L	
<b>Torque Converter / Frt Pump</b>				Seal Viton .....	228410
2002-1993	All		1998-1993	2960cc/3.0L	
	Seal .....	224663		Seal Viton .....	228410
<b>Output Shaft</b>					
2002-1993	All				
	Seal ; RH .....	710124			
	Seal ; LH .....	710118			
<b>Selector Shaft Seal/Man. Shaft</b>					
2002-1993	All				
	Repair Sleeve .....	221207			
	Seal .....				
<b>Oil Pump</b>					
2002-1993	All				
	Seal .....	224450			
<b>ALTERNATOR</b>					
1998-1993	Mitsubishi 110 Amp.				
	Ball Bearing ; Drive End .....	303CC			
<b>A/C COMPRESSOR</b>					
1998-1993	(Cl. Pulley) ( Nippondenso FX 15)				
	Ball Bearing .....	5106WCC			
<b>CAMSHAFT SEAL</b>					
<b>6 Cylinder</b>					
2002-1999	3275/3.3L				
	Seal .....	224052			
1998-1993	2960cc/3.0L				
	Seal .....	223420			

## MERCURY TRUCK- PICKUP, SUV - Mariner, Mariner Hybrid

<b>FRONT WHEEL</b>			<b>CRANKSHAFT FRONT SEAL</b>		
2006-2005	All		<b>6 Cylinder</b>		
	Ball Bearing .....	510072	2006-2005	3.0L	
<b>REAR WHEEL</b>				Repair Sleeve .....	99187
2006-2005	All			Seal .....	482041N
	Ball Bearing .....	510029	<b>CRANKSHAFT REAR SEAL</b>		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>6 Cylinder</b>		
<b>Torque Converter / Frt Pump</b>			2006-2005	3.0L	
2008-2005	(CD4E)			Seal Viton .....	3909
	Seal .....	4635V			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## MERCURY TRUCK- PICKUP, SUV - Mountaineer

### FRONT WHEEL

#### 2WD

2005-2002	All	
Hub Assembly	.....	515050
2001-1997	All	
Seal ; Inner	.....	9150S
Cup/Cone; Inner	.....	A5
Cup/Cone; Outer	.....	A2

#### 4WD/AWD

2005-2002	All	
Hub Assembly	.....	515050
2001-1997	All	
Hub Assembly	.....	515003

### REAR WHEEL

2005-2002	All	
Hub Assembly	.....	541002
2001-1997	All	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>

### 4WD FRONT AXLE

#### Differential

2005-2002	All	
Cone/Cup	.....	LM501349-LM501314
2001-1997	(Dana/Spicer 35 Axle)	
Cone/Cup	.....	LM501349-LM501314

#### Pinion

2005-2002	All	
Seal Viton	.....	714675
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM88649-HM88610
2001-1997	(Dana/Spicer 35 Axle)	
Seal Viton	.....	714675
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM88648-HM88610

#### Axle Shaft

2001-1997	(Dana/Spicer 35 Axle)	
Repair Sleeve; RH	.....	99177
Seal ; RH	.....	710248
Seal Viton ; LH	.....	710429
Cyl. Bearing ; RH	.....	5707

#### Spindle

2001-1997	(Dana/Spicer 35 Axle)	
Seal ; Inner	.....	722108
Seal ; Outer	.....	722109

### REAR AXLE

#### Differential

2000-1997	(8.8" R.G.)	
Cup/Cone	.....	A36

### REAR AXLE(cont)

#### Pinion

2005-1997	(8.8" R.G.)	
Seal Viton	.....	3604
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

2001-1997	(4R70W)	
Seal	.....	4765

#### Selector Shaft Seal/Man. Shaft

2001-1997	(4R70W)	
Seal	.....	7929S

#### Torque Converter

2001-1997	(4R70W)	
Seal	.....	3404

### TRANSFER CASE

#### Selector Shaft Seal/Man. Shaft

2002-1997	(Warner 4403, 4404, 4405)	
Seal	.....	330385

#### Input Shaft

2000-1997	(Warner 4405)	
Ball Bearing	.....	209LO
Seal	.....	710403
1998	(Warner 4404) (booted)	
Ball Bearing	.....	109
Seal	.....	4333N
1998	(Warner 4404) (w/o boot)	
Ball Bearing	.....	109
Repair Sleeve	.....	99187
Seal	.....	3946

#### Front Output Shaft

2002-1998	(Warner 4403, 4404)	
Seal ; Outer	.....	710403
Ball Bearing ; Inner	.....	206
Ball Bearing ; Outer	.....	207
2000-1997	(Warner 4405)	
Seal ; Outer	.....	710403
Ball Bearing ; Inner	.....	306H
Ball Bearing ; Outer	.....	206

#### Rear Output Shaft

2002-1999	(Warner 4403)	
Ball Bearing	.....	208
Seal	.....	710403
2000-1997	(Warner 4405)	
Ball Bearing	.....	306H
Seal	.....	710403
1998	(Warner 4404)	
Seal ; Outer	.....	710403
Ball Bearing ; Inner	.....	N106-1
Ball Bearing ; Outer	.....	208SL

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MERCURY TRUCK- PICKUP, SUV - Mountaineer (cont.)</b>					

<b>ALTERNATOR</b>		
1998-1997	Mitsubishi 110 Amp.	
	Ball Bearing ; Drive End .....	303CC
<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
2002-1998	244/4.0L	
	Seal Viton .....	2012V
<b>8 Cylinder</b>		
2005-2002	281/4.6L	
	Repair Sleeve .....	99187
	Seal .....	482041N
2001-1997	302/5.0L	
	Repair Sleeve; Frt Entry .....	99187
	Repair Sleeve; Rr Entry .....	99187
	Seal ; Frt Entry .....	2692
	Seal ; Rr Entry .....	2942
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
2006-1998	244/4.0L	
	Seal Viton .....	3393
	Repair Sleeve .....	99237
	Seal PTFE H/D .....	5288

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder</b>		
2006-1997	281/4.6L, 302/5.0L	
	Seal Viton .....	3909
	Repair Sleeve .....	99363
	Seal PTFE H/D .....	

## MERKUR- Scorpio, XR4Ti

<b>FRONT WHEEL</b>		
1989-1988	Scorpio	
	Seal ; Inner .....	53X68X10
	Cup/Cone .....	A31
1989-1985	XR4Ti	
	Seal ; Inner .....	3743
	Cup/Cone .....	A31
<b>REAR WHEEL</b>		
1989-1985	All	
	Seal .....	224252
	Cup/Cone .....	A31
<b>REAR AXLE</b>		
<b>Differential</b>		
1989-1988	Scorpio	
	Cone/Cup .....	LM29749-LM29711
1988-1985	XR4Ti	
	Cone/Cup .....	A35
<b>Pinion</b>		
1988-1985	All	
	Cone/Cup ; Outer .....	HM88542-HM88510
	Cone/Cup ; Inner .....	HM89449-HM89410

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
1989-1988	Scorpio	
	Needle Bearing .....	FC65354
1989-1985	XR4Ti	
	Needle Bearing .....	FC65354
<b>Release Bearing</b>		
1989-1988	Scorpio	
	Bearing Assembly .....	F01267C
1989-1985	XR4Ti	
	Bearing Assembly .....	614014

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI- FRONT DRIVE - Cordia, Diamante, Eclipse, Eclipse AWD, Expo, Expo AWD, Galant, Galant AWD, Galant Sigma, Lancer, Mirage, Precis, Tredia, 3000GT, 3000GT AWD</b>					

## FRONT WHEEL

<b>2007-2006 Eclipse</b>		
Hub Assembly .....	513219	
<b>2006 Galant</b>		
Hub Assembly .....	513157	
<b>2006-2002 Lancer ES</b>		
Ball Bearing .....	510021	
<b>2006-2002 Lancer LS, O-Z Rally</b>		
Ball Bearing .....	510079	
<b>2005-2004 Galant 2.4L</b>		
Hub Assembly .....	513157	
<b>2005-2004 Galant 3.8L</b>		
Hub Assembly .....	513219	
<b>2005-2003 Lancer Evolution</b>		
Hub Assembly .....	513133	
<b>2005-1995 Eclipse</b>		
Hub Assembly .....	513157	
<b>2004-1992 Diamante</b>		
Seal ; Inner .....	710182	
Seal ; Outer .....	710183	
Ball Bearing ; Inner .....	510034	
<b>2003-1996 Galant</b>		
Bearing Assm; Opt .....	513135	
Hub Assembly; 4 Stud .....	513135	
Hub Assembly; 5 Stud .....	513157	
<b>2002-2000 Mirage</b>		
Ball Bearing .....	510021	
<b>1999-1993 Mirage</b>		
Ball Bearing .....	510016	
Seal ; Inner .....	710073	
Seal ; Outer .....	4898	
<b>1999-1991 3000GT (AWD)</b>		
Hub Assembly .....	513133	
<b>1998-1991 3000GT (FWD)</b>		
Seal ; Inner .....	710182	
Seal ; Outer .....	710183	
Ball Bearing ; Inner .....	510034	
<b>1995-1994 Galant</b>		
Hub Assembly .....	513135	
<b>1995-1992 Expo</b>		
Seal ; Inner .....	225450	
Seal ; Outer .....	225230	
Ball Bearing ; Inner .....	513036	
<b>1994-1990 Eclipse</b>		
Seal ; Inner .....	225450	
Seal ; Outer .....	225230	
Ball Bearing ; Inner .....	513036	
<b>1994-1988 Precis</b>		
Seal ; Inner .....	474134	
Cup/Cone .....	A41	

## FRONT WHEEL(cont)

<b>1993-1988 Galant</b>		
Seal ; Inner .....	225450	
Seal ; Outer .....	225230	
Ball Bearing ; Inner .....	513036	
<b>1992-1988 Mirage</b>		
Seal ; Inner .....	474134	
Cup/Cone .....	A41	
<b>1988-1983 Cordia</b>		
Seal ; Inner .....	474134	
Cup/Cone .....	A41	
<b>1988-1983 Tredia</b>		
Seal ; Inner .....	474134	
Cup/Cone .....	A41	
<b>1987-1985 Galant</b>		
Seal ; Inner .....	225082	
Seal ; Outer .....	225230	
Ball Bearing ; Inner .....	513036	

## REAR WHEEL

<b>2007-2006 Eclipse (ABS)</b>		
Hub Assembly .....	512274	
<b>2006-2004 Galant (ABS)</b>		
Hub Assembly .....	512274	
<b>2006-2002 Lancer ES</b>		
Hub Assembly .....	512276	
<b>2006-2002 Lancer LS, O-Z Rally</b>		
Hub Assembly .....	512277	
<b>2005-2003 Lancer Evolution</b>		
Bearing Assm .....	512181	
<b>2005-1995 Eclipse (FWD)</b>		
Bearing Assm .....	512136	
Hub Assembly .....	512136	
<b>2003-1996 Galant (ABS) (From 3/96)</b>		
Hub Assembly .....	512136	
<b>2003-1996 Galant (Non-ABS) (From 3/96)</b>		
Bearing Assm .....	512136	
<b>2002-1997 Mirage (ABS)</b>		
Hub Assembly .....	512185	
<b>2002-1993 Mirage (Non-ABS)</b>		
Hub Assembly .....	512148	
<b>1999-1995 Eclipse (AWD)</b>		
Bearing Assm .....	512181	
<b>1999-1992 3000GT (AWD)</b>		
Seal ; Inner .....	710152	
Ball Bearing ; Inner .....	511014	
Ball Bearing ; Outer .....	511015	
<b>1998-1991 3000GT (FWD)</b>		
Hub Assembly .....	512039	
<b>1996-1994 Galant (To 3/96)</b>		
Hub Assembly .....	512235	
<b>1996-1992 Diamante (ABS)</b>		
Hub Assembly .....	512011 <sup>28</sup>	
<b>1996-1992 Diamante (Non-ABS)</b>		
Hub Assembly .....	512010	

<sup>28</sup> Reuse Old ABS Ring

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI- FRONT DRIVE - Cordia, Diamante, Eclipse, Eclipse AWD, Expo, Expo AWD, Galant, Galant AWD, Galant Sigma, Lancer, Mirage, Precis, Tredia, 3000GT, 3000GT AWD (cont.)</b>					

## REAR WHEEL(cont)

<b>1995-1992</b>	<b>Expo</b>	
	Ball Bearing .....	511013
<b>1994-1990</b>	<b>Eclipse (AWD)</b>	
	Seal ; Inner .....	710152
	Ball Bearing ; Inner .....	511014
	Ball Bearing ; Outer .....	511015
<b>1994-1990</b>	<b>Eclipse (FWD) (ABS)</b>	
	Hub Assembly .....	512011 <sup>28</sup>
<b>1994-1990</b>	<b>Eclipse (FWD) (Non-ABS)</b>	
	Hub Assembly .....	512010
<b>1994-1989</b>	<b>Precis</b>	
	Cone/Cup .....	516000
	Seal ; Inner .....	710404
<b>1993-1989</b>	<b>Galant (FWD) (Disc)</b>	
	Hub Assembly .....	512158
<b>1993-1985</b>	<b>Galant (FWD) (Drum)</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1992-1989</b>	<b>Mirage (Drum)</b>	
	Cone/Cup .....	516001
	Seal ; Inner .....	1205N
<b>1991-1990</b>	<b>Galant (AWD)</b>	
	Seal ; Inner .....	710152
	Ball Bearing ; Inner .....	511014
	Ball Bearing ; Outer .....	511015
<b>1990-1989</b>	<b>Mirage (Disc)</b>	
	Cone/Cup .....	516000
	Seal ; Inner .....	1205N
<b>1990-1988</b>	<b>Galant Sigma</b>	
	Seal ; Inner .....	494122
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>1988</b>	<b>Precis</b>	
	Seal ; Inner .....	474134
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1988-1985</b>	<b>Mirage</b>	
	Cone/Cup .....	513029
	Seal ; Inner .....	1205N
<b>1988-1984</b>	<b>Tredia</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1988-1983</b>	<b>Cordia</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1987</b>	<b>Precis</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1

## REAR WHEEL(cont)

<b>1987-1985</b>	<b>Galant</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1

## REAR AXLE

### Differential

<b>1997-1991</b>	<b>(4WD) 3000GT</b>	
	Seal .....	710208
<b>1995-1990</b>	<b>(4WD) Eclipse, Expo, Galant</b>	
	Cone/Cup .....	30207
	Seal .....	710396
<b>1989-1984</b>	<b>Starion (Turbo)</b>	
	Seal .....	710335

### Pinion

<b>1988-1986</b>	<b>Starion (Intercooled Turbo)</b>	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	HM89449-HM89410
	Seal ; Outer .....	224570
<b>1988-1983</b>	<b>Starion (w/o Intercooled Turbo)</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
	Seal ; Outer .....	224255

## CLUTCH

### Pilot Bearing

<b>1996-1989</b>	<b>6 Cyl 3.0L</b>	
	Ball Bearing .....	203FF
<b>1996-1983</b>	<b>4 Cyl 2.0L, 2.4L, 2.6L</b>	
	Ball Bearing .....	102CC

### Release Bearing

<b>2003-2000</b>	<b>Eclipse 2.4L SOHC, w/o Turbo</b>	
	Bearing Assembly .....	614126
<b>1999-1996</b>	<b>Eclipse 2.0L DOHC</b>	
	Bearing Assembly .....	614121
<b>1999-1996</b>	<b>Eclipse AWD Turbo 2.4L SOHC</b>	
	Bearing Assembly .....	614099
<b>1996-1992</b>	<b>Diamante</b>	
	Bearing Assembly .....	614126
<b>1996-1991</b>	<b>3000GT AWD Turbo</b>	
	Bearing Assembly .....	614099
<b>1996-1991</b>	<b>3000GT FWD, w/o Turbo</b>	
	Bearing Assembly .....	614126
<b>1996-1985</b>	<b>Galant FWD</b>	
	Bearing Assembly .....	614126
<b>1995</b>	<b>Eclipse AWD Turbo</b>	
	Bearing Assembly .....	614099
<b>1995</b>	<b>Eclipse FWD, w/o Turbo</b>	
	Bearing Assembly .....	614121
<b>1995-1992</b>	<b>Expo</b>	
	Bearing Assembly .....	614126
<b>1995-1985</b>	<b>Mirage FWD</b>	
	Bearing Assembly .....	614126

<sup>28</sup> Reuse Old ABS Ring

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI- FRONT DRIVE - Cordia, Diamante, Eclipse, Eclipse AWD, Expo, Expo AWD, Galant, Galant AWD, Galant Sigma, Lancer, Mirage, Precis, Tredia, 3000GT, 3000GT AWD (cont.)</b>					

## CLUTCH(cont)

### Release Bearing(cont)

1994-1990	Eclipse 2.0L DOHC, w/o Turbo	
	Bearing Assembly .....	614126
1994-1990	Eclipse AWD Turbo	
	Bearing Assembly .....	614099
1992-1987	Precis	
	Bearing Assembly .....	614126
1990-1989	Sigma	
	Bearing Assembly .....	614126

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

1996-1990	(F3A21 3, KM171 5)	
	Ball Bearing .....	207
1989-1985	(KM171 1, KM171 2)	
	Ball Bearing .....	207
1988-1984	(KM172 0)	
	Cone/Cup .....	30207

### Output Shaft

1997-1984	All	
	Repair Sleeve .....	99139
	Seal .....	223543

### Torque Converter

1997-1984	All	
	Seal .....	320583

### Idler Shaft

1997-1990	(F3A21 2)	
	Cone/Cup .....	30206

### Transfer Shaft

1997-1990	(F3A21 2)	
	Cone/Cup .....	30207
1994-1983	(KM171 1, KM171 2, KM172 0, KM171 5)	
	Cone/Cup ; Outer .....	30304
	Cone/Cup ; Inner .....	30206

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

2005-2002	(F4A42 1)	
	Cone/Cup .....	30207
1999-1997	(F4A21 2, F4A33 1)	
	Ball Bearing .....	207
1999-1995	(F4AC1)	
	Repair Sleeve .....	99157
	Seal .....	3459
	Cup/Cone .....	A18
1996-1985	(F4A21 2, F4A22 2, F4A33 1, KM176 5, KM177 0)	
	Ball Bearing .....	207
1990-1989	(KM177 8)	
	Ball Bearing .....	206

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Torque Converter / Frt Pump

2005-2000	(F4A42 1, F4A51 2)	
	Seal .....	320583
1999-1997	(F4A21 2, F4A33 1, W4A33 1)	
	Seal .....	320583
1999-1995	(F4AC1)	
	Repair Sleeve .....	99149
	Seal .....	331228H
1996-1985	(F4A21 2, F4A22 2, F4A33 1, KM176 5, KM175 5, KM177 0, KM177 8, W4A32 1, W4A33 1)	
	Seal .....	320583

### Output Shaft

2005-1999	(F4A51 2)	
	Cone/Cup ; Rr .....	32006
	Cone/Cup ; Frt .....	32010X
2004-2000	(F4A42 1)	
	Cone/Cup ; Rr .....	32006
	Cone/Cup ; Frt .....	32009XA
1999-1993	(F4A33 1)	
	Seal Viton .....	710259
1999-1990	(W4A32 1, W4A33 1)	
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	710199
	Seal ; LH .....	223543
1997	(F4A21 2)	
	Repair Sleeve .....	99139
	Seal .....	223543
1996-1993	(F4A21 2, F4A22 2)	
	Repair Sleeve .....	99139
	Seal .....	223543
1992-1985	(F4A21 2, F4A22 2, F4A33 1, KM176 5, KM175 5, KM177 0, KM177 8)	
	Repair Sleeve .....	99139
	Seal .....	223543

### Selector Shaft Seal/Man. Shaft

1999-1995	(F4AC1)	
	Seal .....	8609

### Input Shaft

1995-1990	(W4A32 1)	
	Seal .....	223014

### Idler Shaft

1997-1991	(F4A21 2)	
	Cone/Cup .....	30206

### Transfer Shaft

1999-1995	(F4AC1)	
	Cup/Cone .....	A16
1997-1991	(F4A21 2)	
	Cone/Cup .....	30207

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI- FRONT DRIVE - Cordia, Diamante, Eclipse, Eclipse AWD, Expo, Expo AWD, Galant, Galant AWD, Galant Sigma, Lancer, Mirage, Precis, Tredia, 3000GT, 3000GT AWD (cont.)</b>					

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
2004-1999 (F5M42 1)		
Cone/Cup .....	30207	
1997-1995 (A578)		
Cup/Cone .....	A18	
<b>Output Shaft</b>		
1999-1990 (W5M33 2)		
Repair Sleeve; LH .....	99139	
Seal ; RH .....	710199	
Seal ; LH .....	223543	
1997-1995 (F5M31 2)		
Seal .....	2007N	
1997-1993 (F5M33 2)		
Repair Sleeve .....	99139	
Seal .....	223543	
<b>Extension Housing</b>		
1994-1991 (W5MG1)		
Seal .....	224025	
1993-1990 (W5M31 2)		
Repair Sleeve .....	99128	
Seal .....	710310	
<b>Selector Shaft Seal/Man. Shaft</b>		
1999-1995 (A578)		
Seal .....	3816	
1997-1987 (F5M21 1, F5M21 2, F5M22 2, KM201 0, KM206 0)		
Seal .....	710222	
<b>Input Shaft</b>		
2002-1999 (F5M42 1)		
Seal .....	222510	
1999-1990 (F5M31 2, F5M33 1, W5M33 2)		
Seal Viton .....	712007	
<b>ALTERNATOR</b>		
1994-1991 110 Amp.		
Ball Bearing ; Drive End .....	303CC	
1994-1987 65 Amp.		
Ball Bearing ; Drive End .....	302CC	
1989-1987 50 Amp.		
Ball Bearing ; Rear End .....	201SS	
Ball Bearing ; Drive End .....	203FF	
1989-1987 55 Amp.		
Ball Bearing ; Rear End .....	201SS	
Ball Bearing ; Drive End .....	203FF	
1986-1985 45 Amp.		
Ball Bearing ; Rear End .....	201SS	
Ball Bearing ; Drive End .....	202FF	
1986-1985 55 Amp.		
Ball Bearing ; Rear End .....	201SS	
Ball Bearing ; Drive End .....	202FF	

<b>ALTERNATOR(cont)</b>		
1986-1983 50 Amp.		
Ball Bearing ; Rear End .....	201SS	
Ball Bearing ; Drive End .....	202FF	
1986-1983 65 Amp.		
Ball Bearing ; Rear End .....	201S	
Ball Bearing ; Drive End .....	302SS	
1984-1983 55 Amp.		
Ball Bearing ; Rear End .....	201SS	
Ball Bearing ; Drive End .....	302SS	
<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2002-1992 1500cc/1.5L, 1834cc/1.8L		
Repair Sleeve .....	99139	
Seal .....	3771	
<b>6 Cylinder</b>		
2006-1997 All		
Repair Sleeve .....	99139	
Seal .....	3771	
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2006-2005 2378cc/2.4L		
Seal .....	224460	
2006-2003 2.0L (DOHC)		
Seal .....	224460	
2006-2002 2.0L (SOHC)		
Seal .....	223750	
2002-1992 1834cc/1.8L		
Seal .....	223750	
2002-1985 1468cc/1.5L		
Seal .....	223018	
2000-1983 1595cc/1.6L, 1755cc/1.8L, 1795cc/1.8L, 1997cc/2.0L, 2351cc/2.4L		
Seal .....	224460	
1989-1983 2555cc/2.6L		
Repair Sleeve .....	99189	
Seal .....	224840	
<b>6 Cylinder</b>		
2005-1988 2497cc/2.5L, 2972cc/3.0L, 3496cc/3.5L		
Seal .....	223750	
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2006-1994 2.4L (SOHC)		
Seal Viton .....	710235	
2005-2003 2.0L (SOHC) (DOHC)		
Seal Viton .....	710235	
2002-1993 1834cc/1.8L		
Seal Viton .....	710235	
2002-1985 1468cc/1.5L, 1597cc/1.6L, 1755cc/1.8L		
Seal .....	227235	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI- FRONT DRIVE - Cordia, Diamante, Eclipse, Eclipse AWD, Expo, Expo AWD, Galant, Galant AWD, Galant Sigma, Lancer, Mirage, Precis, Tredia, 3000GT, 3000GT AWD (cont.)</b>					

## CRANKSHAFT REAR SEAL(cont)

### 4 Cylinder(cont)

1999-1995	122/2.0L (DOHC)	
Seal Viton	.....	710056
Seal PTFE H/D	.....	
1999-1983	1595cc/1.6L, 1795cc/1.8L, 1997cc/2.0L	
Seal Viton	.....	228005

### 6 Cylinder

2006-2005	3828/3.8L	
Seal Viton	.....	710056
2005-1988	2497cc/2.5L, 2972cc/3.0L	
Seal Viton	.....	710056
Seal PTFE H/D	.....	
2004-1997	3496cc/3.5L	
Seal Viton	.....	710056

## MITSUBISHI- REAR DRIVE - Starion

### FRONT WHEEL

1989-1983	All	
Seal ; Inner	.....	494122
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A2

### REAR WHEEL

1989-1983	All	
Seal ; Inner	.....	224100
Ball Bearing ; Inner	.....	206F
Ball Bearing ; Outer	.....	207F

### REAR AXLE

#### Differential

1989-1984	All	
Seal	.....	710335

#### Pinion

1989-1988	All	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410
1987-1984 (Exc. Limited Slip Differential)		
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM89449-HM89410
Seal ; Outer	.....	224255
1987-1984 (Limited Slip Differential)		
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410

### CLUTCH

#### Pilot Bearing

1989-1984	4 Cyl	
Ball Bearing	.....	102CC

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1988-1983	(L4N71B)	
Seal	.....	223801

#### Torque Converter

1988-1983	(L4N71B)	
Seal Viton	.....	2025

### 5-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1989-1984	(KM132B, KM132G)	
Seal	.....	710222

#### Front Input Shaft

1989-1988	(KM132)	
Seal	.....	223014
1987-1985	(KM132G)	
Ball Bearing	.....	307L
Seal	.....	223014
1984	(KM132B)	
Ball Bearing	.....	207L
Seal	.....	223014

#### Rear Output Shaft

1988-1983	(KM132 B, KM145 G, KM145 M)	
Ball Bearing	.....	511014
Seal	.....	223608

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **MITSUBISHI- REAR DRIVE - Starion (cont.)**

<b>5-SPEED MANUAL TRANSMISSION(cont)</b> <b>Countershaft</b> 1988-1983 (KM132G, KM132M) Cone/Cup ..... 30205			<b>CRANKSHAFT FRONT SEAL</b> <b>4 Cylinder</b> 1989-1983 2555cc/2.6L Repair Sleeve ..... 99189 Seal ..... 224840		
<b>ALTERNATOR</b> 1989-1983 Mitsubishi 65 Amp. Ball Bearing ; Rear End ..... 210S Ball Bearing ; Drive End ..... 302SS			<b>CRANKSHAFT REAR SEAL</b> <b>4 Cylinder</b> 1989-1983 2555cc/2.6L Seal Viton ..... 228005		
<b>CAMSHAFT SEAL</b> <b>4 Cylinder</b> 1989-1983 2555cc/2.6L Seal ..... 222330					

## **MITSUBISHI TRUCK- MINIVAN, PICKUP, SUV - Endeavor, Mighty Max, Montero, Montero Sport, Nativa, Outlander, Raider PU, Van, Wagon**

<b>FRONT WHEEL</b> 2007-2006 Raider PU (2W-ABS) Hub Assembly ..... 513228 2007-2006 Raider PU (4W-ABS) Hub Assembly ..... 513229 2006-2004 Endeavor Hub Assembly ..... 513219 2006-2003 Outlander Ball Bearing ..... 510079 2004-2001 Montero Sport Seal ; Inner ..... 225875 2000-1997 Montero, Montero Sport (RWD) Seal ; Inner ..... 225875 2000-1983 (4WD) Seal ; Inner ..... 225875 1996-1983 (RWD) Seal ; Inner ..... 225010 Cup/Cone; Inner ..... A5 Cup/Cone; Outer ..... A3			<b>REAR WHEEL(cont)</b> 2004-2001 Montero Sport (Exc. Locking Diff.) Cone/Cup ; Inner ..... 30208 Seal ; Inner ..... 4989 Seal ; Outer ..... 225010 2004-2001 Montero Sport (Locking Diff.) Seal ; Inner ..... 4989 Seal ; Outer ..... 710437 Ball Bearing ; Inner ..... 516006 2000-1992 Montero Seal ; Inner ..... 4989 Seal ; Outer ..... 710437 Ball Bearing ; Inner ..... 516006 1996-1992 Mighty Max Cone/Cup ; Inner ..... 30208 Seal ; Inner ..... 4989 Seal ; Outer ..... 225010 1991-1983 Mighty Max Cone/Cup ; Inner ..... 30208 Seal ; Inner ..... 4989 Seal ; Outer ..... 225010 1990-1988 Van Wagon Cone/Cup ; Inner ..... LM29749-LM29710 Seal ; Inner ..... 223550 Seal ; Outer ..... 224510		
<b>REAR WHEEL</b> 2007-2006 Raider PU Seal ..... 8835S Cyl. Bearing ..... 6408 2006-2005 Outlander XLS, LTD Ball Bearing ..... 511013 2006-2004 Endeavor (4WD) Hub Assembly ..... 512291 2004-2003 Outlander (4WD) Ball Bearing ..... 511013			<b>FRONT AXLE</b> <b>Differential</b> 2003-1994 All Seal ..... 710151 1993-1989 (4 Cyl.) Seal ..... 710335 1993-1989 (6 Cyl.) Seal ..... 710151		

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI TRUCK- MINIVAN, PICKUP, SUV - Endeavor, Mighty Max, Montero, Montero Sport, Nativa, Outlander, Raider PU, Van, Wagon (cont.)</b>					

## FRONT AXLE(cont)

### Differential(cont)

1988-1983	All	
Seal	.....	710335

### Pinion

2003-1994	All	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410

1993-1991	(6 Cyl.)	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410

1993-1989	(4 Cyl.)	
Seal	.....	224255
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM89449-HM89410

1990-1989	(6 Cyl.)	
Seal	.....	1943
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410

1988-1983	All	
Seal	.....	224255
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM89449-HM89410

## REAR AXLE

### Differential

2005-2003	Outlander	
Cone/Cup	.....	30207
Repair Sleeve	.....	99139
Seal	.....	223543

### Pinion

2005-2003	Outlander	
Seal	.....	471847N
Cone/Cup ; Outer	.....	32207
Cone/Cup ; Inner	.....	

2004-2001	Montero	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89249-HM89210

2000-1994	Mighty Max, Montero	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89249-HM89210

1993-1989	Mighty Max, Montero (4 Cyl.)	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410

1993-1989	Mighty Max, Montero (6 Cyl.)	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89249-HM89210

## REAR AXLE(cont)

### Pinion(cont)

1990-1989	Van Wagon	
Seal	.....	224570
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410

1988-1983	All	
Seal	.....	224255
Cone/Cup ; Outer	.....	M88043-M88010
Cone/Cup ; Inner	.....	HM89449-HM89410

## CLUTCH

### Pilot Bearing

1996-1989	6 Cyl 3.0L	
Ball Bearing	.....	203FF

1996-1983	4 Cyl 2.0L, 2.4L, 2.6L	
Ball Bearing	.....	102CC

### Release Bearing

1999-1989	6 Cyl 2972cc/3.0L	
Bearing Assembly	.....	614107

1999-1987	4 Cyl 2350cc/2.4L	
Bearing Assembly	.....	614016

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1986-1983	(A904)	
Ball Bearing	.....	2506
Seal	.....	

### Selector Shaft Seal/Man. Shaft

1986-1983	(A904)	
Seal	.....	8609

### Torque Converter

1986-1983	(A904)	
Repair Sleeve	.....	99149
Seal	.....	331228H

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1995	(Aisin 03 40)	
Seal	.....	225005

1996-1990	(A500) (4WD)	
Ball Bearing	.....	207XLO
Seal	.....	710058

1996-1990	(A500) (RWD)	
Ball Bearing	.....	207XLO
Seal	.....	7300S
Seal Kit	.....	5206

1994-1987	(Aisin 03 72)	
Seal	.....	710319

### Selector Shaft Seal/Man. Shaft

2001-1995	(Aisin 03 40)	
Repair Sleeve	.....	221207
Seal	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI TRUCK- MINIVAN, PICKUP, SUV - Endeavor, Mighty Max, Montero, Montero Sport, Nativa, Outlander, Raider PU, Van, Wagon (cont.)</b>					

<b>4-SPEED AUTOMATIC TRANSMISSION(cont)</b>	
<b>Selector Shaft Seal/Man. Shaft(cont)</b>	
1996-1990 (A500)	
Seal .....	8609
<b>Torque Converter</b>	
2002-1987 (Aisin)	
Repair Sleeve .....	223830
Seal .....	
1996-1990 (A500)	
Repair Sleeve .....	99149
Seal .....	331228H

<b>4-SPEED MANUAL TRANSMISSION</b>	
<b>Input Shaft</b>	
1985-1983 All	
Ball Bearing .....	307L
Seal .....	223014
<b>Rear Output Shaft</b>	
1985-1983 All	
Ball Bearing .....	207L
Seal .....	223608
<b>Countershaft</b>	
1985-1983 (KM130 1, KM130 4)	
Ball Bearing ; Frt .....	5205KLE
1984-1983 (KM144 0, KM144 3)	
Ball Bearing ; Center .....	5205KLE

<b>5-SPEED MANUAL TRANSMISSION</b>	
<b>Front Input Shaft</b>	
1996-1983 All	
Ball Bearing .....	307L
Seal .....	223014
<b>Rear Output Shaft</b>	
1996-1987 (KM132 1, KM145 8, KM145 9)	
Ball Bearing .....	511014
Seal .....	223608
1989-1983 (KM132 J, KM132 K, KM132 8)	
Ball Bearing .....	RW122
Seal .....	223608
1986-1983 (KM132 E, KM132 9)	
Seal .....	223608
1986-1983 (KM145 1 thru KM145 5)	
Ball Bearing .....	205
Seal .....	223608
<b>Countershaft</b>	
1996-1987 (KM132 1)	
Cone/Cup .....	30205
1989-1983 (KM132 J, KM132 K, KM132 8)	
Ball Bearing ; Center .....	5205KLE
1989-1983 (KM145 1, KM145 5, KM145 9)	
Ball Bearing ; Rr .....	304

<b>4-SPEED AUTOMATIC TRANSAXLE</b>	
<b>Torque Converter / Frt Pump</b>	
2004-2003 (F4A42 2, W4A42 2)	
Seal .....	320583

<b>TRANSFER CASE</b>	
<b>Input Shaft</b>	
1999-1990 (V4AC1, V4AW2, V5M21)	
Ball Bearing .....	5209W
Repair Sleeve .....	99177
Seal .....	1992
1997-1990 (V5MT1)	
Ball Bearing .....	5209W
Seal .....	224560
1989-1983 (KM100) (A/T)	
Ball Bearing .....	5209W
Repair Sleeve .....	99177
Seal .....	1992
1989-1983 (KM100) (M/T)	
Ball Bearing .....	5209W
Seal .....	224560
<b>Front Output Shaft</b>	
1999-1983 All	
Ball Bearing .....	306
Seal .....	223608
<b>Rear Output Shaft</b>	
1997-1983 All	
Ball Bearing .....	211
Seal .....	224052
<b>Drive Sprocket</b>	
1997-1983 All	
Ball Bearing .....	307

<b>ALTERNATOR</b>	
1994-1991 110 Amp.	
Ball Bearing ; Drive End .....	303CC
1994-1987 65 Amp.	
Ball Bearing ; Drive End .....	302CC
1989-1987 50 Amp.	
Ball Bearing ; Rear End .....	201SS
Ball Bearing ; Drive End .....	203FF
1989-1987 55 Amp.	
Ball Bearing ; Rear End .....	201SS
Ball Bearing ; Drive End .....	203FF
1986-1985 45 Amp.	
Ball Bearing ; Rear End .....	201SS
Ball Bearing ; Drive End .....	202FF
1986-1985 55 Amp.	
Ball Bearing ; Rear End .....	201SS
Ball Bearing ; Drive End .....	202FF
1986-1983 50 Amp.	
Ball Bearing ; Rear End .....	201SS
Ball Bearing ; Drive End .....	202FF

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>MITSUBISHI TRUCK- MINIVAN, PICKUP, SUV - Endeavor, Mighty Max, Montero, Montero Sport, Nativa, Outlander, Raider PU, Van, Wagon (cont.)</b>					

## ALTERNATOR(cont)

<b>1986-1983</b>	<b>65 Amp.</b>	
Ball Bearing ; Rear End .....		201S
Ball Bearing ; Drive End .....		302SS
<b>1984-1983</b>	<b>55 Amp.</b>	
Ball Bearing ; Rear End .....		201SS
Ball Bearing ; Drive End .....		302SS

## CAMSHAFT SEAL

### 4 Cylinder

<b>2006-2003</b>	<b>2.4L</b>	
Repair Sleeve .....		99139
Seal .....		3771
<b>1999-1983</b>	<b>2000/2.0L, 2300/2.3L (Diesel),2350/2.4L</b>	
Repair Sleeve .....		99139
Seal .....		3771

<b>1989-1983</b>	<b>2555cc/2.6L</b>	
Seal .....		222330

### 6 Cylinder

<b>2006-2004</b>	<b>230/3.8L (SOHC)</b>	
Repair Sleeve .....		99139
Seal .....		3771

<b>2004-1997</b>	<b>215/3.5L (SOHC)</b>	
Repair Sleeve .....		99139
Seal .....		3771

<b>2003-1989</b>	<b>2972cc/3.0L</b>	
Repair Sleeve .....		99139
Seal .....		3771

<b>2002-1994</b>	<b>3500/3.5L (DOHC)</b>	
Seal ; Frt .....		223010
Seal ; Rr .....		710302

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

<b>2006-2003</b>	<b>2.4L</b>	
Seal .....		224460
<b>1989-1983</b>	<b>2000/2.0L, 2300/2.3L (Diesel),2350/2.4L</b>	
Seal .....		224460

## CRANKSHAFT FRONT SEAL(cont)

### 4 Cylinder(cont)

<b>1989-1983</b>	<b>2555cc/2.6L</b>	
Repair Sleeve .....		99189
Seal .....		224840

### 6 Cylinder

<b>2006-2005</b>	<b>3828/3.8L</b>	
Seal .....		223750

<b>2004-1994</b>	<b>3500/3.5L (DOHC)</b>	
Seal .....		223750

<b>2003-1989</b>	<b>2972cc/3.0L</b>	
Seal .....		223750

## CRANKSHAFT REAR SEAL

### 4 Cylinder

<b>2006-2003</b>	<b>2.4L</b>	
Seal Viton .....		710235

<b>1999-1983</b>	<b>2000/2.0L, 2300/2.3L (Diesel),2350/2.4L</b>	
Seal Viton .....		228005

<b>1989-1983</b>	<b>2555cc/2.6L</b>	
Seal Viton .....		228005

### 6 Cylinder

<b>2006-2003</b>	<b>3500/3.5L, 3797 3.8L</b>	
Seal Viton .....		710056

<b>2003-1989</b>	<b>2972cc/3.0L</b>	
Seal Viton .....		710056

Seal PTFE H/D .....		
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# NISSAN/DATSUN- FRONT WHEEL DRIVE - Altima, Axxess, F10, Maxima, NX, Pulsar, Sentra, Sentra AWD, Stanza, Stanza AWD, 200SX, 310

## FRONT WHEEL

<b>2007-2000</b>	<b>Maxima</b>	
Ball Bearing .....		510060
<b>2006-2002</b>	<b>Altima</b>	
Ball Bearing .....		510060
<b>2006-2000</b>	<b>Sentra</b>	
Ball Bearing .....		510061

## FRONT WHEEL(cont)

<b>2001-1998</b>	<b>Altima (Non-ABS)</b>	
Seal .....		710108
Ball Bearing ; Inner .....		510068
<b>2001-1993</b>	<b>Altima (ABS)</b>	
Seal .....		710108
Ball Bearing ; Inner .....		510009

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- FRONT WHEEL DRIVE - Altima, Axxess, F10, Maxima, NX, Pulsar, Sentra, Sentra AWD, Stanza, Stanza AWD, 200SX, 310 (cont.)</b>					

<b>FRONT WHEEL(cont)</b>		
<b>1999-1991</b>	<b>Sentra</b>	
Seal ; Inner .....		710127
Seal ; Outer .....		710125
Ball Bearing ; Inner .....		514002
<b>1999-1989</b>	<b>Maxima</b>	
Ball Bearing .....		510009
Seal .....		710108
<b>1998-1995</b>	<b>200SX</b>	
Seal ; Inner .....		710127
Seal ; Outer .....		710125
Ball Bearing ; Inner .....		514002
<b>1995-1990</b>	<b>Axxess (AWD)</b>	
Ball Bearing .....		510009
Seal .....		710108
<b>1993-1991</b>	<b>NX</b>	
Seal ; Inner .....		710127
Seal ; Outer .....		710125
Ball Bearing ; Inner .....		514002
<b>1992-1990</b>	<b>Axxess (FWD)</b>	
Seal .....		710108
Ball Bearing ; Inner .....		510009
<b>1992-1990</b>	<b>Stanza</b>	
Ball Bearing .....		510009
Seal .....		710108
<b>1990-1987</b>	<b>Pulsar</b>	
Ball Bearing .....		510008
Seal .....		710107
<b>1990-1987</b>	<b>Sentra</b>	
Ball Bearing .....		510008
Seal .....		710107
<b>1989-1987</b>	<b>Stanza</b>	
Seal ; Inner .....		225650
Seal ; Outer .....		710069
Wheel Brg; Inner .....		513015
<b>1988-1986</b>	<b>Stanza Wagon (AWD)</b>	
Seal ; Inner .....		225650
Seal ; Outer .....		710069
Wheel Brg; Inner .....		513015
<b>1988-1985</b>	<b>Maxima</b>	
Seal ; Inner .....		225650
Seal ; Outer .....		710069
Wheel Brg; Inner .....		513015
<b>1988-1985</b>	<b>Stanza Wagon (FWD)</b>	
Seal ; Inner .....		225650
Seal ; Outer .....		710069
Wheel Brg; Inner .....		513015
<b>1986-1983</b>	<b>Pulsar</b>	
Cone/Cup .....	LM29748-LM29710	
Seal ; Inner .....		710312
Seal ; Outer .....		1883
<b>1986-1982</b>	<b>Sentra</b>	
Cone/Cup .....	LM29748-LM29710	
Seal ; Inner .....		710312
Seal ; Outer .....		1883

<b>FRONT WHEEL(cont)</b>		
<b>1986-1982</b>	<b>Stanza Sedan</b>	
Cone/Cup .....	LM300849-LM300811	
Seal ; Inner .....		225650
Seal ; Outer .....		225540
<b>1982-1980</b>	<b>310</b>	
Cone/Cup .....	LM29748-LM29710	
Seal ; Inner .....		710310
Seal ; Outer .....		1883
Repair Sleeve; Inner .....		99128
<b>REAR WHEEL</b>		
<b>2007-2004</b>	<b>Maxima</b>	
Hub Assembly .....		512202
<b>2006-2002</b>	<b>Altima (ABS)</b>	
Hub Assembly .....		512201
<b>2006-2000</b>	<b>Sentra (ABS)</b>	
Hub Assembly .....		512303
<b>2003-2000</b>	<b>Maxima</b>	
Hub Assembly .....		512203
<b>2001-1998</b>	<b>Altima (Non-ABS)</b>	
Hub Assembly .....		512016
<b>1999-1991</b>	<b>Sentra (Non-ABS)</b>	
Hub Assembly .....		512025
<b>1998-1995</b>	<b>200SX (Non-ABS)</b>	
Hub Assembly .....		512025
<b>1997-1993</b>	<b>Altima</b>	
Hub Assembly .....		512016
<b>1995-1990</b>	<b>Axxess (AWD)</b>	
Seal .....		710108
Ball Bearing ; Inner .....		510009
<b>1995-1990</b>	<b>Axxess (FWD)</b>	
Hub Assembly .....		512016
<b>1992-1990</b>	<b>Stanza (Non-ABS)</b>	
Hub Assembly .....		512016
<b>1990-1987</b>	<b>Pulsar</b>	
Ball Bearing .....		513071
<b>1990-1987</b>	<b>Sentra (4WD)</b>	
Seal ; Inner .....		710069
Cup/Cone; Outer .....		A2
Wheel Brg; Inner .....		513015
<b>1990-1987</b>	<b>Sentra (FWD)</b>	
Ball Bearing .....		513071
<b>1989-1985</b>	<b>Stanza (FWD)</b>	
Cone/Cup ; Inner .....		513007
Seal ; Inner .....		334111
Cup/Cone; Outer .....		A2
<b>1988-1986</b>	<b>Stanza Wagon (AWD)</b>	
Seal .....		710069
Wheel Brg .....		513015
<b>1988-1985</b>	<b>Maxima</b>	
Cone/Cup ; Inner .....		513007
Seal ; Inner .....		334111
Cup/Cone; Outer .....		A2

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- FRONT WHEEL DRIVE - Altima, Axxess, F10, Maxima, NX, Pulsar, Sentra, Sentra AWD, Stanza, Stanza AWD, 200SX, 310 (cont.)</b>					

## REAR WHEEL(cont)

<b>1986-1983 Pulsar</b>		
Seal ; Inner .....	334111	
Cup/Cone; Inner .....	A15	
Cup/Cone; Outer .....	A2	
<b>1986-1982 Sentra</b>		
Seal ; Inner .....	334111	
Cup/Cone; Inner .....	A15	
Cup/Cone; Outer .....	A2	
<b>1986-1982 Stanza</b>		
Cone/Cup ; Inner .....	513007	
Seal ; Inner .....	334111	
Cup/Cone; Outer .....	A2	
<b>1982-1980 310</b>		
Seal ; Inner .....	334111	
Cup/Cone; Inner .....	A15	
Cup/Cone; Outer .....	A2	

## REAR AXLE

### Differential

<b>1989-1986 (R180, R180A Axles)</b>		
Cone/Cup .....	30208	
Seal .....	1167	

### Pinion

<b>1989-1986 (R180, R180A Axles)</b>		
Ball Bearing .....	32305	
Cone/Cup ; Outer .....	32307	
Cone/Cup ; Inner .....	1173	
Seal ; Outer .....	99139	
Repair Sleeve; Outer .....		

## CLUTCH

### Pilot Bearing

<b>2002-1985 6 Cyl</b>		
Bushing .....	PB22	
<b>2002-1980 4 Cyl</b>		
Bushing .....	PB22	

### Release Bearing

<b>2001-1991 4 Cyl 1998cc/2.0L DOHC, w/ 215mm Clutch</b>		
Bearing Assembly .....	614047	
<b>1999-1987 4 Cyl 1597cc/1.6L, w/ 190mm Clutch</b>		
Bearing Assembly .....	614047	
<b>1992-1990 4 Cyl 2389cc/2.4L, w/ 225mm Clutch</b>		
Bearing Assembly .....	614157	
<b>1992-1985 6 Cyl 2960cc/3.0L, 2988cc/3.0L, w/ DOHC</b>		
Bearing Assembly .....	614049	

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

<b>1992-1981 (RL3F01A, RN3F01A)</b>		
Cone/Cup ; LH .....	32013X	
Cone/Cup ; RH .....	30208	

## 3-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft

<b>1992-1981 (RL3F01A)</b>		
Seal Viton .....	224026	
Cone/Cup ; RH .....	32006	
<b>1990-1981 (RN3F01A)</b>		
Seal .....	710122	
Cone/Cup ; RH .....	32006	

### Torque Converter

<b>1992-1981 (RL3F01A, RN3F01A)</b>		
Seal .....	224979	

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

<b>2005-1992 (RE4F04A)</b>		
Cone/Cup .....	32009XA	
<b>2002-1998 (RL4F03V)</b>		
Cone/Cup ; LH .....	32008	
<b>2002-1991 (RL4F03A, RE4F03A)</b>		
Ball Bearing .....	208	
<b>2001-2000 (RE4F03B)</b>		
Cone/Cup .....	32008	
<b>2001-1992 (RE4F04V)</b>		
Cone/Cup ; LH .....	32009XA	
Cone/Cup ; RH .....	32013X	
<b>1994-1991 (RL4F03V)</b>		
Cone/Cup ; LH .....	32008	
<b>1994-1985 (RE4F02A, RL4F02A)</b>		
Cone/Cup ; LH .....	32013X	
Cone/Cup ; RH .....	30208	
<b>1992-1990 (RE4F02V)</b>		
Cone/Cup ; LH .....	32010X	
Cone/Cup ; RH .....	32013X	

### Torque Converter / Frt Pump

<b>2002-1991 (RL4F03A, RE4F03A, RL4F03V)</b>		
Seal .....	710442	
<b>2001-1985 (RE4F02A, RE4F02V, RL4F02A, RE4F04A, RE4F04V)</b>		
Seal .....	224663	

### Output Shaft

<b>2002-1991 (RL4F03A, RE4F03A)</b>		
Seal Viton .....	224026	
<b>2001-1992 (RE4F04A)</b>		
Seal ; RH .....	710124	
Seal ; LH .....	710118	
<b>2001-1992 (RE4F04V)</b>		
Seal ; RH .....	710124	
Seal ; LH .....	710397	
<b>1999-1991 (RL4F03V)</b>		
Seal ; RH .....	710133	
Seal ; LH .....	710132	
<b>1994-1989 (RE4F02A, RE4F02V)</b>		
Seal ; RH .....	710124	
Seal ; LH .....	710123	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- FRONT WHEEL DRIVE - Altima, Axxess, F10, Maxima, NX, Pulsar, Sentra, Sentra AWD, Stanza, Stanza AWD, 200SX, 310 (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Output Shaft(cont)

1992-1990 (RL4F02A) (4WD)	
Seal .....	226018
1989-1985 (RL4F02A) (2WD)	
Seal ; RH .....	710124
Seal ; LH .....	710122

### Selector Shaft Seal/Man. Shaft

2002-1991 All	
Repair Sleeve .....	221207
Seal .....	

## 4-SPEED MANUAL TRANSAXLE

### Differential

1990-1988 (RN4F31A)	
Cone/Cup .....	30208
1981-1980 (F4WF60A)	
Ball Bearing .....	209

### Output Shaft

1990-1988 (RN4F31A)	
Seal Viton .....	224026
1981-1980 (F4WF60A)	
Repair Sleeve .....	2003N
Seal .....	

### Input Shaft

1990-1988 (RN4F31A)	
Ball Bearing .....	305
Seal .....	710316
1981-1980 (F4WF60A)	
Ball Bearing .....	306
Seal .....	222820

## 5-SPEED MANUAL TRANSAXLE

### Differential

2002-1991 (RS5F32V)	
Cone/Cup ; LH .....	32010X
2002-1990 (RS5F31A)(RS5F32A)	
Cone/Cup .....	32010X
2001-1990 (RS5F50A)	
Cone/Cup .....	32009XA
2001-1990 (RS5F50V)	
Cone/Cup ; LH .....	32009XA
Cone/Cup ; RH .....	32013X
1991-1983 (RS5F30A)	
Cone/Cup .....	30208
1989-1987 (RS5F31A) (2WD)	
Cone/Cup .....	32010X
1989-1987 (RS5F31A) (4WD)	
Cone/Cup .....	30208
1989-1986 (RS5F50A) (2WD)	
Cone/Cup .....	32008
1986-1983 (RS5F31A)	
Cone/Cup .....	32010X
1985 (RS5F50A)	
Cone/Cup .....	32008

## 5-SPEED MANUAL TRANSAXLE(cont)

### Differential(cont)

1982-1980 (F5WF60A)	
Ball Bearing .....	209

### Output Shaft

2002-1998 (RS5F32A)	
Seal .....	710132
2002-1991 (RS5F32V)	
Seal ; RH .....	710133
Seal ; LH .....	710132
2001-1990 (RS5F50A)	
Cone/Cup ; LH .....	32206
Seal ; RH .....	710124
Seal ; LH .....	710118
Cone/Cup ; RH .....	30306
2001-1990 (RS5F50V)	
Seal ; RH .....	710124
Seal ; LH .....	710397
1999-1983 (RS5F31A)	
Seal ; RH .....	225210
Seal ; LH .....	710134
1991-1983 (RS5F30A)	
Cone/Cup .....	30304
Seal Viton .....	224026
1989-1986 (RS5F50A) (2WD)	
Cone/Cup ; LH .....	32206
Seal ; RH .....	710124
Seal ; LH .....	710118
Cone/Cup ; RH .....	30306
1989-1986 (RS5F50A) (4WD)	
Cone/Cup ; LH .....	32206
Seal ; RH .....	226018
Seal ; LH .....	710133
Cone/Cup ; RH .....	30306
1985 (RS5F50A)	
Cone/Cup ; LH .....	32206
Seal ; RH .....	710124
Seal ; LH .....	710118
Cone/Cup ; RH .....	30306
1982-1980 (F5WF60A)	
Repair Sleeve .....	2003N
Seal .....	
<b>Input Shaft</b>	
2002-1991 (RS5F32A) (RS5F32V)	
Ball Bearing .....	305
Seal .....	710316
2001-1985 (RS5F50A) (RS5F50V)	
Ball Bearing .....	710119
Seal .....	
1999-1983 (RS5F30A) (RS5F31A)	
Ball Bearing .....	305
Seal .....	710316

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- FRONT WHEEL DRIVE - Altima, Axxess, F10, Maxima, NX, Pulsar, Sentra, Sentra AWD, Stanza, Stanza AWD, 200SX, 310 (cont.)</b>					

## 5-SPEED MANUAL TRANSAXLE(cont)

### Input Shaft(cont)

1982-1980 (F5WF60A)	
Ball Bearing .....	306
Seal .....	222820

### Countershaft

1982-1980 (F5WF60A)	
Ball Bearing ; Frt .....	106
Ball Bearing ; Rr .....	206
Ball Bearing ; Center .....	305

### Mainshaft

1982-1980 (F5WF60A)	
Cone/Cup ; Rr .....	30205
Cone/Cup ; Frt .....	32206
Cone/Cup ; Center .....	30205

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

1992-1986 (TY10)	
Repair Sleeve .....	710243
Seal .....	

### Input Shaft

1989-1986 (TY10)	
Seal .....	710120

### Front Output Shaft

1989-1986 (TY10)	
Seal .....	225210

### Rear Output Shaft

1989-1986 (TY10)	
Seal .....	710121

## ALTERNATOR

1994-1992 Mitsubishi 110 Amp.	
Ball Bearing ; Drive End .....	303CC
1994-1984 Hitachi 70, 80, 90 Amp.	
Ball Bearing ; Drive End .....	303CC
1988-1980 Hitachi 50, 60 Amp.	
Ball Bearing ; Rear End .....	202SS
Ball Bearing ; Drive End .....	203FF
1988-1980 Mitsubishi 70 Amp.	
Ball Bearing ; Drive End .....	302CC

## CAMSHAFT SEAL

### 4 Cylinder

2001-1991 1597cc/1.6L (DOHC), 1998cc/2.0 (DOHC)	
Seal .....	223420
1990-1983 1487cc/1.5L, 1597cc/1.6L	
Repair Sleeve .....	99157
Seal .....	224020
1989-1988 1809cc/1.8 (DOHC)	
Seal .....	223420
1989-1982 1974cc/2.0L	
Seal .....	223420

## CAMSHAFT SEAL(cont)

### 4 Cylinder(cont)

1987 1598cc/1.6 (DOHC)	
Seal .....	224052
1986-1983 1680cc/1.7L (Diesel)	
Seal ; Frt .....	223420
Seal ; Rr .....	710341

### 6 Cylinder

1994-1992 2960cc/3.0L (DOHC)	
Seal .....	224052
1994-1990 2960cc/3.0L	
Seal .....	224052
1989-1985 2960cc/3.0L	
Seal .....	223420

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2006-2000 1800/1.8L	
Seal .....	224052
2001-1991 1998cc/2.0L	
Seal .....	224650
2001-1990 2389cc/2.4L	
Seal .....	224650
1999-1991 1597cc/1.6L (DOHC)	
Seal .....	710308
1993-1983 1597cc/1.6L (SOHC)	
Seal .....	223602
1989-1984 1800/1.8L	
Seal .....	223340
1989-1982 1974cc/2.0L	
Seal .....	223340
1987-1983 1680cc/1.7L (Diesel)	
Seal .....	710308
1984-1980 1488cc/1.5L	
Repair Sleeve .....	223830
Seal .....	
1983-1982 2164cc/2.2L	
Seal .....	712010
1982-1980 1171/1.2L, 1237/1.2L	
Repair Sleeve .....	223830
Seal .....	
1981-1980 1951/2.0L, 1952/ 2.0L, 1982/ 2.0L	
Seal .....	712010
1980 1397cc/1.4L	
Repair Sleeve .....	223830
Seal .....	
6 Cylinder	
2005-2004 3498cc/3.5L (DOHC)	
Seal .....	710356
2003-2002 3498cc/3.5L (DOHC)	
Seal .....	710356
2001-1995 2988cc/3.0L	
Seal .....	710356
1989-1985 2960cc/3.0L	
Seal .....	223340

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- FRONT WHEEL DRIVE - Altima, Axxess, F10, Maxima, NX, Pulsar, Sentra, Sentra AWD, Stanza, Stanza AWD, 200SX, 310 (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1984-1981	2393cc/2.4L, 2753cc/2.8L, 2793cc/2.8L	
Seal .....		712010
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2006-2004	1809cc/1.8 (DOHC)	
Seal Viton .....		228410
2003-1982	1597cc/1.6L, 1598cc/1.6L, 1680cc/1.7L, 1809cc/1.8L, 1974cc/2.0L, 1998cc/2.0L	
Seal Viton .....		228410
2001-1991	2389cc/2.4L	
Seal .....		228009
1988-1983	1487cc/1.5L, 1597cc/1.6L	
Seal .....		228010
1982-1980	1397cc/1.4L, 1487cc/1.5L	
Seal .....		712006
1981-1980	1595cc/1.6L, 1770cc/1.8L, 1952cc/2.0L	
Seal .....		228010
<b>6 Cylinder</b>		
2001-1995	2988cc/3.0L	
Seal Viton .....		710363
1994-1985	2960cc/3.0L	
Seal Viton .....		228410

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1984-1981	2393cc/2.4L, 2753cc/2.8L, 2793cc/2.8L	
Seal .....		228010
<b>BALANCE SHAFT</b>		
<b>4 Cylinder</b>		
1990-1983	1597cc/1.6L	
Seal .....		710415

<b>NISSAN/DATSUN- REAR WHEEL DRIVE - Bluebird, B110, B210, Maxima, Sedan, 1000, 1200, 1500, 1600, 200SX, 2000, 210, 240SX, 240Z, 260Z, 280Z, 280ZX, 300ZX, 350Z, 410, 411, 510, 610, 710, 810</b>					
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<b>FRONT WHEEL</b>		
1998-1989	240SX	
Ball Bearing .....		510031
1996-1990	300ZX	
Seal .....		710108
Wheel Brg .....		513244
1990-1989	Micra, Multi Wagon, Multi Wagon (AWD)	
Ball Bearing .....		510054
1989-1987	300ZX	
Seal ; Inner .....		710126
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1988-1987	200SX	
Seal ; Inner .....		223400
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1988-1985	Micra	
Cup/Cone .....		A13

<b>FRONT WHEEL(cont)</b>		
1986-1984	200SX	
Seal ; Inner .....		444116
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1986-1984	300ZX	
Seal ; Inner .....		444116
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1984-1982	Maxima	
Seal ; Inner .....		444116
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
1983-1980	200SX	
Seal ; Inner .....		1188
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- REAR WHEEL DRIVE - Bluebird, B110, B210, Maxima, Sedan, 1000, 1200, 1500, 1600, 200SX, 2000, 210, 240SX, 240Z, 260Z, 280Z, 280ZX, 300ZX, 350Z, 410, 411, 510, 610, 710, 810 (cont.)</b>					

## FRONT WHEEL(cont)

<b>1983-1980 280Z, ZX</b>	
Seal ; Inner .....	1188
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2
<b>1982-1980 210</b>	
Seal ; Inner .....	1183
Cup/Cone; Inner .....	A4
Cup/Cone; Outer .....	A1
<b>1981-1980 510</b>	
Seal ; Inner .....	1188
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2
<b>1981-1980 810</b>	
Seal ; Inner .....	1188
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2

## REAR WHEEL

<b>1998-1989 240SX</b>	
Bearing Assm .....	512014
<b>1996-1991 300ZX (Exc. Turbo)</b>	
Seal .....	710129
Bearing Assm .....	511011
<b>1996-1990 300ZX (Turbo)</b>	
Seal .....	710130
<b>1993-1991 NX1600, NX2000</b>	
Ball Bearing .....	513071
<b>1990-1989 300ZX (Exc. Turbo) (To 2/1990)</b>	
Seal .....	710129
Bearing Assm .....	512014
<b>1989-1987 300ZX (To 1/89)</b>	
Seal ; Inner .....	710131
Ball Bearing ; Inner .....	RW101
Ball Bearing ; Outer .....	RW132
<b>1988-1987 200SX V6 (Indep. Suspension)</b>	
Seal ; Inner .....	224045
Ball Bearing ; Inner .....	RW101
Ball Bearing ; Outer .....	RW132
<b>1988-1984 200SX 4 Cyl. (Indep. Suspension) (Turbo)</b>	
Seal ; Inner .....	224045
Ball Bearing ; Inner .....	RW101
Ball Bearing ; Outer .....	RW128R
<b>1987-1980 200SX (Solid Axle)</b>	
Ball Bearing .....	RW114R
Seal .....	1181
<b>1986-1984 300ZX</b>	
Seal ; Inner .....	224045
Ball Bearing ; Inner .....	RW101
Ball Bearing ; Outer .....	RW128R
<b>1984-1982 Maxima Sedan</b>	
Seal ; Inner .....	224045
Ball Bearing ; Inner .....	RW101
Ball Bearing ; Outer .....	RW125

## REAR WHEEL(cont)

<b>1984-1982 Maxima Wagon</b>	
Ball Bearing .....	RW114R
Seal .....	1181
<b>1983-1980 280Z, ZX</b>	
Seal ; Inner .....	224045
Ball Bearing ; Inner .....	RW101
Ball Bearing ; Outer .....	RW125
<b>1982-1980 210</b>	
Ball Bearing .....	RW114R
Seal .....	1181
<b>1981-1980 510</b>	
Ball Bearing .....	RW114R
Seal .....	1181
<b>1981-1980 810 Sedan</b>	
Seal ; Inner .....	224045
Ball Bearing ; Inner .....	RW101
Ball Bearing ; Outer .....	RW125
<b>1981-1980 810 Wagon</b>	
Ball Bearing .....	RW114R
Seal .....	1181

## REAR AXLE

### Differential

<b>2002-1998 (C200B Axle)</b>	
Cone/Cup .....	30209C
<b>1998-1989 (R230 Axle)</b>	
Cone/Cup .....	32211
Seal .....	710135
<b>1998-1980 (R200, R200A, R200KV, R200V Axles)</b>	
Cone/Cup .....	30209C
Seal .....	223542
<b>1995-1980 (H190, H190A, H190B Axles)</b>	
Cone/Cup .....	30208
Seal .....	1167
<b>1995-1980 (R180, R180A Axles)</b>	
Cone/Cup .....	30208
Seal .....	1167
<b>1993-1983 (C200, C200B Axles)</b>	
Cone/Cup .....	30209C
<b>1982-1980 (H150 Axle)</b>	
Cone/Cup .....	30206
<b>1981-1980 (H165B Axle)</b>	
Cone/Cup .....	30207

### Pinion

<b>2002-1998 (C200B Axle)</b>	
Seal .....	710245
Cone/Cup ; Outer .....	32306C
<b>2002-1998 (H233BS Axle)</b>	
Cone/Cup ; Outer .....	32306C
Cone/Cup ; Inner .....	32308
Seal ; Outer .....	710245

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- REAR WHEEL DRIVE - Bluebird, B110, B210, Maxima, Sedan, 1000, 1200, 1500, 1600, 200SX, 2000, 210, 240SX, 240Z, 260Z, 280Z, 280ZX, 300ZX, 350Z, 410, 411, 510, 610, 710, 810 (cont.)</b>					

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
1996-1970	6 Cyl	
Bushing		PB22
1995-1976	4 Cyl 1.6L and Larger	
Bushing		PB22
1978-1976	4 Cyl under 1.6L	
Bushing		PB21
<b>Release Bearing</b>		
1996-1995	200SX	
Bearing Assembly		614047
1996-1990	300ZX	
Bearing Only		613015
1995-1989	240SX	
Bearing Only		613015
1993-1991	NX	
Bearing Assembly		614047
1988-1985	200SX	
Bearing Assembly		DNE01576C

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1984-1980	(L3N71A, L3N71B, 3N71B)	
Seal		710324
<b>Torque Converter</b>		
1984-1980	(L3N71A, L3N71B, 3N71B)	
Seal Viton		2025

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1996-1984	(E4N71B, RE4R01A, RE4R03A)	
Seal		223801
1988-1984	(4N71B)	
Seal		710234
1984-1983	(L4N71B)	
Seal		710324
<b>Selecter Shaft Seal/Man. Shaft</b>		
1996-1988	(RE4R01A, RE4R03A)	
Seal		2027
<b>Torque Converter</b>		
1996-1989	(RE4R01A, RE4R03A)	
Seal		224450
1989-1983	(E4N71B, L4N71B, 4N71B)	
Seal Viton		2025

<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Input Shaft</b>		
1982-1980	(F4W56A) (A14, A15)	
Ball Bearing		206L
Seal		710316

<b>4-SPEED MANUAL TRANSMISSION(cont)</b>		
<b>Input Shaft(cont)</b>		
1982-1980	(F4W56A) (AA12)	
Ball Bearing		305
Repair Sleeve		99139
Seal		710315
1980	(F4W71B)	
Ball Bearing		306L
Repair Sleeve		99114
Seal		1981
<b>Rear Output Shaft</b>		
1982-1980	(F4W56A) (A14, A15)	
Ball Bearing		305L
Seal		2016
1982-1980	(F4W60, F4W60L)	
Ball Bearing		305L
Seal		2016
1980	(F4W71B)	
Ball Bearing		306
Seal		710324

<b>Countershaft</b>		
1982-1980	(F4W56A) (A14, A15)	
Ball Bearing ; Rr		304
1982-1980	(F4W56A) (AA12)	
Ball Bearing ; Rr		303SS
1982-1980	(F4W60, F4W60L)	
Ball Bearing ; Rr		304DD
1980	(F4W71B)	
Ball Bearing ; Frt		304
Ball Bearing ; Rr		204
Ball Bearing ; Center		305

<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Extension Housing</b>		
1998-1980	(FS5W71A, FS5W71B, FS5W71C)	
Ball Bearing		205
1994-1986	(FS5R30A)	
Ball Bearing		307L
<b>Front Input Shaft</b>		
1998-1995	(FS5W71C)	
Repair Sleeve		99114
Seal		1981
1998-1986	(FS5R30A)	
Ball Bearing		1308L
Repair Sleeve		99114
Seal		1981
1994-1980	(FS5W71A, FS5W71B, FS5W71C)	
Ball Bearing		306LO
Repair Sleeve		99114
Seal		1981

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- REAR WHEEL DRIVE - Bluebird, B110, B210, Maxima, Sedan, 1000, 1200, 1500, 1600, 200SX, 2000, 210, 240SX, 240Z, 260Z, 280Z, 280ZX, 300ZX, 350Z, 410, 411, 510, 610, 710, 810 (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft(cont)

<b>1988-1981 (FS5R90A)</b>	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5
<b>1982-1980 (FSW60A, FSW60L)</b>	
Ball Bearing .....	206SL
Repair Sleeve .....	99114
Seal .....	1981
<b>1981-1980 (FS5W63, FS5W63A)</b>	
Ball Bearing .....	207L
Seal .....	710417

### Rear Output Shaft

<b>1998-1986 (FS5R30A)</b>	
Ball Bearing .....	307L
Seal .....	224215
<b>1998-1980 (FS5W71A, FS5W71B,FS5W71C)</b>	
Ball Bearing .....	306
Seal .....	710324
<b>1988-1981 (FS5R90A)</b>	
Cone/Cup .....	25877-25821
<b>1982-1980 (FS5W60A, FS5W60L)</b>	
Ball Bearing .....	305L
Seal .....	2016
<b>1981-1980 (FS5W63)</b>	
Ball Bearing .....	306L
Seal .....	710324

### Countershaft

<b>1998-1980 (FS5W71A, FS5W71B,FS5W71C)</b>	
Ball Bearing ; Rr .....	204
Ball Bearing ; Center .....	305
<b>1982-1980 (FS5W60A)</b>	
Ball Bearing ; Center .....	304DD
<b>1981-1980 (FS5W63)</b>	
Cone/Cup ; Rr .....	30204
Cone/Cup ; Frt .....	30204
Ball Bearing ; Center .....	205

## ALTERNATOR

<b>1994-1992 Mitsubishi 110 Amp.</b>	
Ball Bearing ; Drive End .....	303CC
<b>1994-1984 Hitachi 70 Amp.</b>	
Ball Bearing ; Drive End .....	303CC
<b>1994-1984 Hitachi 80 Amp.</b>	
Ball Bearing ; Drive End .....	303CC
<b>1994-1984 Hitachi 90 Amp.</b>	
Ball Bearing ; Drive End .....	303CC
<b>1988-1980 Hitachi 50 Amp.</b>	
Ball Bearing ; Rear End .....	202SS
Ball Bearing ; Drive End .....	203FF

## ALTERNATOR(cont)

<b>1988-1980 Hitachi 60 Amp.</b>	
Ball Bearing ; Rear End .....	202SS
Ball Bearing ; Drive End .....	203FF
<b>1988-1980 Mitsubishi 70 Amp.</b>	
Ball Bearing ; Drive End .....	302CC

## CAMSHAFT SEAL

### 4 Cylinder

<b>1988-1984 1809cc/1.8 (DOHC), 1974cc/2.0</b>	
Seal .....	223420

### 6 Cylinder

<b>1996-1990 2960cc/3.0L (DOHC)</b>	
Seal .....	224052
<b>1989-1984 2960cc/3.0L</b>	
Seal .....	223420

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

<b>1998-1989 1998cc/2.0L, 2389cc/2.4L</b>	
Seal .....	224650
<b>1991-1989 1597cc/1.6L</b>	
Seal .....	710308
<b>1988-1984 1598cc/1.6L, 1809cc/1.8L,1974cc/2.0L</b>	
Seal .....	223340
<b>1986-1983 1680cc/1.7L</b>	
Seal .....	710308
<b>1983-1980 1595cc/1.6L, 1770cc/1.8L,1952cc/2.0L, 1982cc, 2.0L,2187cc/2.2L</b>	
Seal .....	712010
<b>1982-1980 1397cc/1.4L, 1487cc/1.5L</b>	
Repair Sleeve .....	223830
Seal .....	

### 6 Cylinder

<b>2005-2003 3498cc/3.5L</b>	
Seal .....	710356
<b>2001-1995 2988cc/3.0L</b>	
Seal .....	710356
<b>1996-1990 2960cc/3.0L, 3274cc/3.3L</b>	
Seal .....	224052
<b>1989-1984 2960cc/3.0L</b>	
Seal .....	223340
<b>1984-1980 2393cc/2.4L, 2753cc/2.8L,2793cc/2.8L</b>	
Seal .....	712010

## CRANKSHAFT REAR SEAL

### 4 Cylinder

<b>1998-1989 2389cc/2.4L</b>	
Seal .....	228009
<b>1998-1984 1597cc/1.6L, 1598cc/1.6L,1680cc/1.7L, 1809cc/1.8L,1974cc/2.0L, 1998cc/2.0L</b>	
Seal Viton .....	228410
<b>1983-1980 1952cc/2.0L, 2187cc/2.2L</b>	
Seal .....	228010

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN- REAR WHEEL DRIVE - Bluebird, B110, B210, Maxima, Sedan, 1000, 1200, 1500, 1600, 200SX, 2000, 210, 240SX, 240Z, 260Z, 280Z, 280ZX, 300ZX, 350Z, 410, 411, 510, 610, 710, 810 (cont.)</b>					

## CRANKSHAFT REAR SEAL(cont)

### 4 Cylinder(cont)

1982-1980	1171CC/1.2L, 1288cc/1.3L, 1397cc/1.4L	
Seal	.....	712006
1981-1980	1595cc/1.6L, 1770cc/1.8L, 1952cc/2.0L	
Seal	.....	228010

### 6 Cylinder

2006-2003	3498cc/3.5L (DOHC)	
Seal Viton	.....	710363
2001-1995	2988cc/3.0L	
Seal Viton	.....	710363
1994-1984	2960cc/3.0L	
Seal Viton	.....	228410
1984-1980	2393cc/2.4L, 2753cc/2.8L, 2793cc/2.8L	
Seal	.....	228010

<b>NISSAN/DATSUN TRUCK- MINIVAN, PICKUP, SUV - Armada, D21, Frontier, Hardbody, Murano, Pathfinder, Patrol, Pickup, Quest, Titan, Van, Xterra, 520, 521, 620, 720</b>					
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## FRONT WHEEL

### 2WD

2004-2000	Frontier (6 Cyl.)	
Cone/Cup ; Outer	.....	LM300849-LM300811
Seal ; Inner	.....	710072
Cup/Cone; Inner	.....	A37
2004-2000	Xterra	
Cone/Cup ; Outer	.....	710072
Seal ; Inner	.....	A37
Cup/Cone; Inner	.....	
2004-1998	Frontier (4 Cyl.)	
Cup/Cone; Inner	.....	A5
Cup/Cone; Outer	.....	A3
2004-1988	Pathfinder (Exc. Armada)	
Cone/Cup ; Outer	.....	LM300849-LM300811
Seal ; Inner	.....	710072
Cup/Cone; Inner	.....	A37
2002-1993	Quest	
Ball Bearing	.....	510028
1997-1986	D21 Hardbody	
Seal ; Inner	.....	710073
Cup/Cone; Inner	.....	A5
Cup/Cone; Outer	.....	A3
1988-1987	Van (RWD)	
Ball Bearing	.....	510023

## FRONT WHEEL(cont)

### 2WD(cont)

1986-1980	720 Pickup	
Seal ; Inner	.....	2002
Cup/Cone; Inner	.....	A5
Cup/Cone; Outer	.....	A3

### 4WD/AWD

2004-2000	Frontier (4 Cyl.)	
Cup/Cone; Inner	.....	A5
Cup/Cone; Outer	.....	A3
2004-2000	Xterra, Frontier (6 Cyl.)	
Cone/Cup ; Outer	.....	LM300849-LM300811
Seal ; Inner	.....	710072
Cup/Cone; Inner	.....	A37
2004-1987	Pathfinder (Exc. Armada)	
Cone/Cup ; Outer	.....	LM300849-LM300811
Seal ; Inner	.....	710072
Cup/Cone; Inner	.....	A37
1999-1998	Frontier	
Cone/Cup ; Outer	.....	LM300849-LM300811
Seal ; Inner	.....	710072
Cup/Cone; Inner	.....	A37
1997-1986	D21 Hardbody	
Cone/Cup ; Outer	.....	LM300849-LM300811
Seal ; Inner	.....	710072
Cup/Cone; Inner	.....	A37

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN TRUCK- MINIVAN, PICKUP, SUV - Armada, D21, Frontier, Hardbody, Murano, Pathfinder, Patrol, Pickup, Quest, Titan, Van, Xterra, 520, 521, 620, 720 (cont.)</b>					

## FRONT WHEEL(cont)

### 4WD/AWD(cont)

<b>1986-1983</b>	<b>720 Pickup</b>	
Cone/Cup ; Outer .....	LM300849-LM300811	
Seal ; Inner .....	225035	
Seal ; Outer .....	710072	
Cup/Cone; Inner .....	A37	
<b>1982-1980</b>	<b>720 Pickup</b>	
Cone/Cup ; Outer .....	LM300849-LM300811	
Cone/Cup ; Inner .....	LM104949-LM104912	
Seal ; Inner .....	1986	

## REAR WHEEL

<b>2007-2004</b>	<b>Titan PU</b>	
Wheel Brg .....	A10	
<b>2006-2004</b>	<b>Quest</b>	
Hub Assembly .....	512268	
<b>2004-2001</b>	<b>Xterra (4 Cyl.)</b>	
Seal .....	710305	
Wheel Brg .....	513246	
<b>2004-2001</b>	<b>Xterra (6 Cyl.)</b>	
Seal .....	710176	
Wheel Brg .....	513244	
<b>2004-1999</b>	<b>Frontier (4 Cyl.)</b>	
Seal .....	710305	
Wheel Brg .....	513246	
<b>2004-1998</b>	<b>Frontier (6 Cyl.)</b>	
Seal .....	710176	
Wheel Brg .....	513244	
<b>2004-1996</b>	<b>Pathfinder (Exc. Armada)</b>	
Seal .....	710176	
Wheel Brg .....	516005	
<b>2002-1999</b>	<b>Quest</b>	
Hub Assembly .....	512219	
<b>2000</b>	<b>Xterra</b>	
Cone/Cup .....	30208	
Seal .....	710305	
<b>1998-1993</b>	<b>Quest</b>	
Ball Bearing .....	511008	
<b>1997-1986</b>	<b>D21 Hardbody Pickup (SRW)</b>	
Cone/Cup .....	30208	
Seal ; Inner .....	473823	
Seal ; Outer .....	710305	
<b>1995-1987</b>	<b>Pathfinder (Disc)</b>	
Seal .....	710176	
Wheel Brg .....	513246	
<b>1995-1987</b>	<b>Pathfinder (Drum)</b>	
Cone/Cup ; Inner .....	30208	
Seal ; Inner .....	473823	
Seal ; Outer .....	710305	

## REAR WHEEL(cont)

<b>1995-1986</b>	<b>D21 Hardbody Pickup (DRW.)</b>	
Cone/Cup .....	32010X	
Seal ; Inner .....	226530	
Seal ; Outer .....	223400	
<b>1988-1987</b>	<b>Van</b>	
Seal .....	223542	
<b>1986-1980</b>	<b>720 Pickup (DRW.)</b>	
Cone/Cup .....	32010X	
Seal ; Inner .....	226530	
Seal ; Outer .....	710070	
<b>1986-1980</b>	<b>720 Pickup (SRW)</b>	
Cone/Cup ; Inner .....	30208	
Seal ; Inner .....	1974	
Seal ; Outer .....	223542	

## FRONT AXLE

### Differential

<b>2004-1999</b>	<b>Xterra 2.4L</b>	
Cone/Cup .....	30209C	
<b>2004-1999</b>	<b>Xterra 3.3L</b>	
Cone/Cup .....	30208	
<b>2002-1999</b>	<b>Frontier 3.3L</b>	
Cone/Cup .....	30208	
<b>2002-1998</b>	<b>Frontier 2.4L</b>	
Cone/Cup .....	30209C	
<b>2002-1986</b>	<b>(R200, R200A Axles)</b>	
Cone/Cup .....	30209C	
Seal .....	223542	
<b>2002-1980</b>	<b>(R180, R180A Axles)</b>	
Cone/Cup .....	30208	
Seal .....	1167	

### Pinion

<b>2005-1986</b>	<b>(R200A Axle)</b>	
Seal .....	712020	
Cone/Cup ; Outer .....	32306C	
Cone/Cup ; Inner .....	32307	
<b>2002-1980</b>	<b>(R180, R180A Axles)</b>	
Ball Bearing .....	2011	
Seal .....	32305	
Cone/Cup ; Outer .....	32307	
Cone/Cup ; Inner .....		

## REAR AXLE

### Differential

<b>2002-1998</b>	<b>(C200B Axle)</b>	
Cone/Cup .....	30209C	
<b>2002-1980</b>	<b>(H190, H190A, H190B Axles)</b>	
Cone/Cup .....	30208	
Seal .....	1167	
<b>1998-1989</b>	<b>(R230 Axle)</b>	
Cone/Cup .....	32211	
Seal .....	710135	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN TRUCK- MINIVAN, PICKUP, SUV - Armada, D21, Frontier, Hardbody, Murano, Pathfinder, Patrol, Pickup, Quest, Titan, Van, Xterra, 520, 521, 620, 720 (cont.)</b>					

<b>REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
1995-1980 (R180, R180A Axles)		
Cone/Cup .....		30208
Seal .....		1167
1993-1983 (C200, C200B Axles)		
Cone/Cup .....		30209C
<b>Pinion</b>		
2004-1998 (H233BS Axle)		
Seal .....		710245
Cone/Cup ; Outer .....		32306C
Cone/Cup ; Inner .....		32308
2004-1987 (C200B Axle)		
Seal .....		710245
Cone/Cup ; Outer .....		32306C
Cone/Cup ; Inner .....		32307
2002-1980 (H190, H190A, H190B Axles)		
Seal .....		1979
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
1992-1990 (R180 Axle)		
Repair Sleeve .....		99139
Seal .....		1173
Cone/Cup ; Outer .....		32305
Cone/Cup ; Inner .....		32307
1989-1983 (C200 Axle)		
Seal .....		2011
Cone/Cup ; Outer .....		32306C
Cone/Cup ; Inner .....		32307
1986 (H233 Axle)		
Seal .....		710245
Cone/Cup ; Outer .....		32306C
Cone/Cup ; Inner .....		32307

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1987-1980 (L3N71A, L3N71B, 3N71B)		
Seal .....		710324
<b>Torque Converter</b>		
1987-1980 (L3N71A, L3N71B, 3N71B)		
Seal Viton .....		2025

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2002-1988 (RL4R01A)		
Seal .....		224464
2002-1984 (E4N71B, RE4R01A)		
Seal .....		223801
1988-1984 (4N71B)		
Seal .....		710234
1984-1983 (L4N71B)		
Seal .....		710324

<b>4-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1988 (RE4R01A, RL4R01A)		
Seal .....		2027
<b>Torque Converter</b>		
2002-1989 (RE4R01A, RL4R01A)		
Seal .....		224663
1989-1983 (E4N71B, L4N71B, 4N71B)		
Seal Viton .....		2025

<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>Rear Extension Housing</b>		
1988 (F4W71C)		
Ball Bearing .....		205
Seal .....		710324
1985-1980 (F4W71B)		
Ball Bearing .....		205
Seal .....		710324
<b>Input Shaft</b>		
1988 (F4W71C)		
Ball Bearing .....		306L
Repair Sleeve .....		99114
Seal .....		1981
1985-1980 (F4W71B)		
Ball Bearing .....		306L
Repair Sleeve .....		99114
Seal .....		1981

<b>Rear Output Shaft</b>		
1988 (F4W71C)		
Ball Bearing .....		306
Seal .....		710324
1985-1980 (F4W71B)		
Ball Bearing .....		710324
Seal .....		
<b>Countershaft</b>		
1988 (F4W71C)		
Ball Bearing ; Rr .....		204
Ball Bearing ; Center .....		305
1985-1980 (F4W71B)		
Ball Bearing ; Frt .....		304
Ball Bearing ; Rr .....		204
Ball Bearing ; Center .....		305

<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Extension Housing</b>		
2002-1986 (FS5R30A)		
Ball Bearing .....		307L
Seal .....		224215

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN TRUCK- MINIVAN, PICKUP, SUV - Armada, D21, Frontier, Hardbody, Murano, Pathfinder, Patrol, Pickup, Quest, Titan, Van, Xterra, 520, 521, 620, 720 (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

### Extension Housing(cont)

2002-1980 (FS5W71A, FS5W71B,FS5W71C)	
Ball Bearing .....	205
Repair Sleeve .....	99139
Seal .....	3771

### Front Input Shaft

2002-1995 (FS5W71C)	
Repair Sleeve .....	99114
Seal .....	1981

2002-1986 (FS5R30A)	
Ball Bearing .....	1308L
Repair Sleeve .....	99114
Seal .....	1981

1994-1980 (FS5W71A, FS5W71B,FS5W71C)	
Ball Bearing .....	306LO
Repair Sleeve .....	99114
Seal .....	1981

### Rear Output Shaft

2002-1986 (FS5R30A)	
Ball Bearing .....	1308L
Seal .....	224215

2002-1980 (FS5W71A, FS5W71B,FS5W71C)	
Ball Bearing .....	306
Seal .....	710324

### Countershaft

2002-1980 (FS5W71A, FS5W71B,FS5W71C)	
Ball Bearing ; Rr .....	204
Ball Bearing ; Center .....	305

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

2002-1993 (RE4F04A)	
Cone/Cup .....	32009XA

1995-1990 (RL4F02A) (2WD)	
Cone/Cup ; LH .....	30208
Cone/Cup ; RH .....	

1995-1990 (RL4F02A) (4WD)	
Cone/Cup ; RH .....	32013X

### Torque Converter / Frt Pump

2002-1985 (RL4F02A, RE4F04A)	
Seal .....	224663

### Output Shaft

2002-1993 (RE4F04A)	
Seal ; RH .....	710124
Seal ; LH .....	710118

1995-1990 (RL4F02A) (2WD)	
Seal ; RH .....	710124
Seal ; LH .....	710122

1995-1990 (RL4F02A) (4WD)	
Seal .....	226018

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

### Selector Shaft Seal/Man. Shaft

2003-1991 (RE4F04A)	
Repair Sleeve .....	221207
Seal .....	

## 5-SPEED MANUAL TRANSAXLE

### Differential

1995-1990 (RS5F50A) (2WD)	
Cone/Cup .....	32008

### Output Shaft

1989-1986 (RS5F50A) (2WD)	
Cone/Cup ; LH .....	32206
Seal ; RH .....	710124
Seal ; LH .....	710246
Cone/Cup ; RH .....	30306

1989-1986 (RS5F50A) (4WD)	
Cone/Cup ; LH .....	32206
Seal ; RH .....	226018
Seal ; LH .....	710246
Cone/Cup ; RH .....	30306

### Input Shaft

1995-1990 (RS5F50A)	
Ball Bearing .....	710119
Seal .....	

## TRANSFER CASE

### Selector Shaft Seal/Man. Shaft

2004-1986 (TX10, TX10A)	
Repair Sleeve .....	221710
Seal .....	

1992-1986 (TY10, TY10A)	
Repair Sleeve .....	710243
Seal .....	

### Input Shaft

2004-1986 (TX10, TX10A) (M/T)	
Ball Bearing .....	306
Seal .....	225030

2002-1986 (TX10, TX10A) (A/T)	
Ball Bearing .....	306
Seal .....	225035

1989-1986 (TY10)	
Seal .....	710120

1986-1980 (T100L)	
Seal ; Outer .....	1943
Ball Bearing ; Inner .....	309
Ball Bearing ; Outer .....	306

### Front Output Shaft

2004-1986 (TX10, TX10A)	
Ball Bearing .....	212L
Seal .....	710113

1992-1990 (TY10A)	
Seal .....	226018

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>NISSAN/DATSUN TRUCK- MINIVAN, PICKUP, SUV - Armada, D21, Frontier, Hardbody, Murano, Pathfinder, Patrol, Pickup, Quest, Titan, Van, Xterra, 520, 521, 620, 720 (cont.)</b>					

<b>TRANSFER CASE(cont)</b>		
<b>Front Output Shaft(cont)</b>		
1989-1986 (TY10)		
Seal .....		225210
1986-1980 (T100L)		
Ball Bearing .....		206
Seal .....		1943
<b>Rear Output Shaft</b>		
2004-1986 (TX10, TX10A)		
Ball Bearing .....		224266
Seal .....		
1992-1990 (TY10A)		
Seal .....		710214
1989-1986 (TY10)		
Seal .....		710121
1986-1980 (T100L)		
Ball Bearing .....		308
Seal .....		1943
<b>Drive Sprocket</b>		
2004-1986 (TX10, TX10A)		
Ball Bearing .....		208

<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2004-1999 3275/3.3L		
Seal .....		223420
1998-1986 2960cc/3.0L		
Seal .....		223420

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2003-1990 2389cc/2.4L		
Seal .....		224650
1989-1980 1595cc/1.6L, 1770cc/1.8L, 1952cc/2.0L, 2187cc/2.2L, 2389cc/2.4		
Seal .....		712010
1986-1981 2164cc/2.2L, 2488cc/2.5L, (Diesel)		
Seal .....		225880

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>6 Cylinder</b>		
2006-2005 3954cc/4.0L		
Seal .....		710356
2005-2001 3498cc/3.5L		
Seal .....		710356
2002-1996 3275/3.3L		
Seal .....		224052
1998-1986 2960cc/3.0L		
Seal .....		223340

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2004-1990 2389cc/2.4L		
Seal .....		228009
1989-1980 1595cc/1.6L, 1770cc/1.8L, 1952cc/2.0L, 2187cc/2.2L, 2389cc/2.4, 2488cc/2.5 (Diesel)		
Seal .....		228010
<b>6 Cylinder</b>		
2006-2001 3498cc/3.5L		
Seal Viton .....		710363
2001-1996 3275/3.3L		
Seal Viton .....		228410
1998-1986 2960cc/3.0L		
Seal Viton .....		228410

## OLDSMOBILE- FRONT DRIVE - Achieva, Alero, Cutlass Calais, Cutlass Supreme

<b>FRONT WHEEL</b>		
2004-1999 Alero		
Hub Assembly .....		513137
1998-1992 Achieva		
Hub Assembly .....		513017K <sup>96</sup>

<b>FRONT WHEEL(cont)</b>		
1997 Cutlass Supreme, International		
Hub Assembly .....		513137
1996-1988 Cutlass Supreme, International		
Hub Assembly .....		513044

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- FRONT DRIVE - Achieva, Alero, Cutlass Calais, Cutlass Supreme (cont.)</b>					

## FRONT WHEEL(cont)

1991-1985	Cutlass Calais, International, Quad 442	
	Hub Assembly .....	513017K <sup>96</sup>

## REAR WHEEL

2004-1999	Alero	
	Hub Assembly .....	512152
1998-1992	Achieva	
	Hub Assembly .....	512001
1997	Cutlass, Cutlass Supreme	
	Hub Assembly .....	512151
1996-1992	Cutlass Supreme (ABS)	
	Hub Assembly .....	512004
1994-1988	Cutlass Supreme (Non-ABS)	
	Hub Assembly .....	513018
1991	Calais (ABS)	
	Hub Assembly .....	512001
1991	Calais (Non-ABS)	
	Hub Assembly .....	513012
1991-1988	Cutlass Supreme (ABS)	
	Hub Assembly .....	513042
1990-1985	Calais (Exc. Stabilizer Bar)	
	Hub Assembly .....	513012
1990-1985	Calais (Stabilizer Bar)	
	Hub Assembly .....	512001

## CLUTCH

### Release Bearing

1999-1995	4 Cyl 5 Spd Hydraulic Clutch, w/ Isuzu Trans	
	Hyd. Bearing Assembly .....	619006
1994-1992	4 Cyl 2.3L DOHC 5 Spd, w/ Hydraulic Clutch (T550 Trans)	
	Hyd. Bearing Assembly .....	619005
1994-1992	4 Cyl 2.3L SOHC 5 Spd, w/ Isuzu Trans	
	Bearing Assembly .....	614108
1994-1992	4 Cyl Quad4 5 Spd, w/ Isuzu Trans	
	Bearing Assembly .....	614108
1992-1991	6 Cyl 3.4L 5 Spd, w/ Isuzu Trans	
	Bearing Assembly .....	614108
1992-1988	4 Cyl 5 Spd, (Exc Quad4)	
	Bearing Assembly .....	614108
1992-1988	4 Cyl Quad4 5 Spd, w/ Muncie Trans	
	Bearing Assembly .....	614069
1992-1987	6 Cyl 5 Spd (Exc 3.4L)	
	Bearing Assembly .....	614069

## 3-SPEED AUTOMATIC TRANSAXLE

### Output Shaft

1996-1985	(THM125) (3T40)	
	Repair Sleeve .....	99139
	Seal .....	3543

### Selector Shaft Seal/Man. Shaft

1996-1985	All	
	Repair Sleeve .....	8792S
	Seal .....	

## 3-SPEED AUTOMATIC TRANSAXLE(cont)

### Torque Converter

1996-1988	(HM3T40)	
	Repair Sleeve .....	4072N
	Seal .....	
1996-1985	(THM125)	
	Repair Sleeve .....	4072N
	Seal .....	

## 4-SPEED AUTOMATIC TRANSAXLE

### Torque Converter / Frt Pump

2004-1999	(4T40E, 4T45E, 4T60E)	
	Repair Sleeve .....	4072N
	Seal .....	
2001-1986	(THM440 T4, 4T60, 4T60 E, 4T40)	
	Repair Sleeve .....	4072N
	Seal .....	
1985-1982	(THM325 4L)	
	Repair Sleeve .....	99174
	Seal .....	3227

### Output Shaft

1999-1997	(4T60E)	
	Repair Sleeve; LH .....	99139
	Seal ; LH .....	710096
	Repair Sleeve .....	99139
	Seal .....	3543
1998-1986	(THM440 T4, 4T60, 4T60 E)	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	710096
1985-1982	(THM325 4L)	
	Repair Sleeve .....	99114
	Seal .....	3907

### Selector Shaft Seal/Man. Shaft

2002-1982	(4T40E, 4T60E)	
	Repair Sleeve .....	8792S
	Seal .....	

## 4-SPEED MANUAL TRANSAXLE

### Differential

1987-1980	(Muncie GMX 4 76mm)	
	Cup/Cone .....	A18

### Output Shaft

1987-1980	(Muncie GMX 4 76mm)	
	Repair Sleeve .....	99139
	Seal .....	3543
	Cone/Cup ; RH .....	15101-15245
	Cup/Cone; LH .....	A5

### Selector Shaft Seal/Man. Shaft

1987-1980	(Muncie GMX 4 76mm)	
	Seal .....	3667

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- FRONT DRIVE - Achieva, Alero, Cutlass Calais, Cutlass Supreme (cont.)</b>					

<b>4-SPEED MANUAL TRANSAXLE(cont)</b>	
<b>Input Shaft</b>	
1987-1980 (Muncie GMX 4 76mm)	
Cone/Cup ; LH .....	15101-15245
Repair Sleeve; RH .....	3732S
Seal ; RH .....	A4
Cup/Cone; RH .....	
<b>5-SPEED MANUAL TRANSAXLE</b>	
<b>Differential</b>	
1998-1985 (Isuzu )	
Cone/Cup .....	32008
1994-1992 (New Process)	
Cup/Cone .....	A18
1990-1987 (Getrag)	
Cup/Cone .....	A18
<b>Output Shaft</b>	
1999-1991 (Getrag 284)	
Repair Sleeve .....	2003N
Seal .....	
1998-1985 (Isuzu )	
Repair Sleeve .....	99139
Seal .....	3543
Cone/Cup ; RH .....	32206
Cup/Cone; LH .....	A5
1994-1993 (New Process T550)	
Repair Sleeve .....	99139
Seal .....	3543
1991-1987 (Getrag)	
Repair Sleeve .....	99139
Seal .....	3543
<b>Selector Shaft Seal/Man. Shaft</b>	
1998-1985 All	
Repair Sleeve .....	710243
Seal .....	
<b>Input Shaft</b>	
1998-1995 (Isuzu )	
Cone/Cup .....	30306
Repair Sleeve .....	222835
Seal .....	
1994-1985 (Isuzu )	
Repair Sleeve .....	222835
Seal .....	
1991-1987 (Getrag)	
Ball Bearing .....	305DD
<b>POWER STEERING</b>	
<b>Pump Shaft</b>	
2001-1992 All	
Seal .....	7013S
1991-1983 (integral reservoir)	
Ball Bearing .....	203FF
Seal .....	221925
1986-1980 (remote reservoir)	
Seal .....	7013S

<b>POWER STEERING(cont)</b>	
<b>Worm Shaft</b>	
1990-1985 All	
Seal .....	222510
<b>CRANKSHAFT FRONT SEAL</b>	
<b>4 Cylinder</b>	
2004-2002 2.2L (DOHC)	
Repair Sleeve .....	99176
Seal .....	9845
2001-1988 2.3L (DOHC), 2.4L (DOHC)	
Seal Viton .....	320259
1991-1988 112/1.8L, 121/2.0L, 134/2.2L, 151/2.5L	
Repair Sleeve .....	99176
Seal .....	9845
<b>6 Cylinder</b>	
2004-1988 173/2.8L, 189/3.1L, 207/3.4L	
Repair Sleeve .....	99176
Seal .....	9845
1993-1988 181/3.0L, 204/3.3L	
Seal Viton .....	710162
<b>CRANKSHAFT REAR SEAL</b>	
<b>4 Cylinder</b>	
2004-2002 2.2L (DOHC)	
Seal Viton .....	710237
2001-1988 138/2.3L, 146/2.4L	
Seal .....	40375
1991-1988 151/2.5L	
Repair Sleeve .....	99300
Seal .....	3698
<b>6 Cylinder</b>	
2004-1988 173/2.8L, 189/3.1L, 207/3.4L	
Repair Sleeve .....	99298
Seal .....	4307V
Seal PTFE H/D .....	5273
1993-1989 204/3.3L, 231/3.8L	
Seal Viton .....	320691
1989-1988 173/2.8L (2nd design)	
Repair Sleeve .....	99298
Seal .....	4307V
Seal PTFE H/D .....	5273
1988-1985 181/3.0L, 231/3.8L, 252/4.0L	
Seal .....	5591
Seal PTFE H/D .....	5291

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## OLDSMOBILE- FRONT DRIVE - Aurora

### FRONT WHEEL

2003-1997	All	
	Hub Assembly .....	513121 <sup>94</sup>
1996-1995	All	
	Hub Assembly .....	513087

### REAR WHEEL

2003-1995	All	
	Hub Assembly .....	512003

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Convertor / Frt Pump

2003-2001	(4T65)	
	Repair Sleeve .....	4072N
	Seal .....	
2001-1995	(4T80 E)	
	Repair Sleeve .....	99189
	Seal .....	224840

#### Output Shaft

2003-2001	(4T65 E)	
	Repair Sleeve; RH .....	99139
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	3543
	Seal ; LH .....	100165
2001-1995	(4T80 E)	
	Seal ; RH .....	4674N
	Seal ; LH .....	714679

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

2003-1995	(4T65E, 4T80E)	
	Repair Sleeve .....	8792S
	Seal .....	

### POWER STEERING

#### Pump Shaft

2001-1995	All	
	Ball Bearing .....	203FF

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2002-2001	212/3.5L	
	Seal .....	470163

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2002-2001	3.5L (DOHC), 4.1L (DOHC)	
	Seal Viton .....	710262

#### 8 Cylinder

2003-1995	244/4.0L	
	Seal Viton .....	710262

## OLDSMOBILE- FRONT DRIVE - Cutlass Ciera, Cutlass Cruiser, Omega

### FRONT WHEEL

1996-1994	All	
	Hub Assembly .....	513087
1993-1990	All	
	Hub Assembly .....	513016K <sup>96</sup>
1989-1985	All	
	Hub Assembly; Exc.JA2, JA .....	513011K <sup>96</sup>
	Hub Assembly; JA2,JA3, JA .....	513016K <sup>96</sup>
1984-1980	All	
	Hub Assembly; Exc.JA2, JA .....	513011K <sup>96</sup>
	Hub Assembly; JA2,JA3, Br .....	513016K <sup>96</sup>

### REAR WHEEL

1996-1994	All	
	Hub Assembly .....	512078
1993-1990	All	
	Hub Assembly .....	513018
1989-1985	All	
	Hub Assembly; Exc.JA2, JA .....	513003
	Hub Assembly; JA2,JA3, JA .....	513018
1984-1983	All	
	Hub Assembly; Exc.JA2, JA .....	513003
	Hub Assembly; JA2,JA3, Br .....	513018
1982-1980	All	
	Hub Assembly .....	513003

### CLUTCH

#### Release Bearing

1993-1992	Quad4 (5 Spd.) (Isuzu Trans.)	
	Bearing Assembly .....	614108
1992-1988	Quad4 (5 Spd.) (Muncie Trans.)	
	Bearing Assembly .....	614069
1992-1987	6 Cyl. (5 Spd.)	
	Bearing Assembly .....	614069
1992-1983	4 Cyl. (w/o Quad4) (5 Spd.)	
	Bearing Assembly .....	614108

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

1996-1982	All	
	Repair Sleeve .....	99139
	Seal .....	3543

#### Selector Shaft Seal/Man. Shaft

1996-1980	All	
	Repair Sleeve .....	8792S
	Seal .....	

<sup>94</sup> Incl: Metal and Plastic Clip <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **OLDSMOBILE- FRONT DRIVE - Cutlass Ciera, Cutlass Cruiser, Omega (cont.)**

<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>			<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>Torque Converter</b>			<b>6 Cylinder</b>		
1996-1980	All		1996-1980	173/2.8L, 189/3.1L	
	Repair Sleeve .....	4072N		Repair Sleeve .....	99176
	Seal .....			Seal .....	9845
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>Torque Converter / Frt Pump</b>			<b>4 Cylinder</b>		
1996-1994	(4T60E)		1996-1993	134/2.2L	
	Repair Sleeve .....	4072N		Repair Sleeve .....	99298
	Seal .....			Seal .....	4307V
<b>Output Shaft</b>				Seal PTFE H/D .....	5273
1996-1994	(4T60E)		1992-1980	151/2.5L	
	Repair Sleeve; RH .....	99139		Repair Sleeve .....	99300
	Repair Sleeve; LH .....	99139		Seal .....	3698
	Seal ; RH .....	3543	<b>6 Cylinder</b>		
	Seal ; LH .....	710096	1996-1985	173/2.8L, 189/3.1L	
<b>Selector Shaft Seal/Man. Shaft</b>				Repair Sleeve .....	99298
1996-1994	(4T60E)			Seal .....	4307V
	Repair Sleeve .....	8792S		Seal PTFE H/D .....	5273
	Seal .....		1993-1989	204/3.3L	
<b>POWER STEERING</b>				Seal Viton .....	320691
<b>Pump Shaft</b>			1988-1982	181/3.0L, 231/3.8L	
1996-1980	All			Seal .....	5591
	Seal .....	480821	1984-1980	173/2.8L	
<b>Worm Shaft</b>				Seal .....	5210
1988-1980	All		<b>CRANKSHAFT FRONT SEAL</b>		
	Seal .....	222510	<b>4 Cylinder</b>		
<b>CRANKSHAFT FRONT SEAL</b>			1996-1980	134/2.2L, 151/2.5L	
<b>4 Cylinder</b>				Repair Sleeve .....	99176
1996-1980	134/2.2L, 151/2.5L			Seal .....	9845
	Repair Sleeve .....	99176	<b>OLDSMOBILE- FRONT DRIVE - Eighty-Eight's, LSS, Ninety-Eight's, Touring Sedan</b>		
	Seal .....	9845			

## **OLDSMOBILE- FRONT DRIVE - Eighty-Eight's, LSS, Ninety-Eight's, Touring Sedan**

<b>FRONT WHEEL</b>			<b>REAR WHEEL</b>		
1999-1996	All		1999-1994	All	
	Hub Assembly .....	513121		Hub Assembly .....	513062
1999-1992	(ABS)		1993-1992	88 (Non-ABS)	
	Hub Assembly .....	513087		Hub Assembly .....	513018
1993-1992	88 (Non-ABS)		1993-1991	88, 98 (ABS)	
	Hub Assembly .....	513088		Hub Assembly .....	513062
1991	88, 98 (ABS)		1991-1985	88, 98 (Non-ABS)	
	Hub Assembly .....	513016K <sup>96</sup>		Hub Assembly .....	513018
1991-1985	88, 98 (Non-ABS)		1990-1988	88, 98, Touring Sedan (ABS)	
	Hub Assembly .....	513016K <sup>96</sup>		Hub Assembly .....	513041
1990-1988	88, 98, Touring Sedan (ABS)				
	Hub Assembly .....	513016K <sup>96</sup>			

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- FRONT DRIVE - Eighty-Eight's, LSS, Ninety-Eight's, Touring Sedan (cont.)</b>					

## 4-SPEED AUTOMATIC TRANSAXLE

### Torque Converter / Frt Pump

1999-1986 (4T60E, 4T65E)	
Repair Sleeve .....	4072N
Seal .....	

### Output Shaft

1999-1996 (4T65 E)	
Repair Sleeve; RH .....	99139
Repair Sleeve; LH .....	99139
Seal ; RH .....	3543
Seal ; LH .....	100165
1997-1986 (4T60E)	
Repair Sleeve; RH .....	99139
Repair Sleeve; LH .....	99139
Seal ; RH .....	3543
Seal ; LH .....	710096

### Selector Shaft Seal/Man. Shaft

1999-1986 (4T60E, 4T65E)	
Repair Sleeve .....	8792S
Seal .....	

## POWER STEERING

### Pump Shaft

1999-1986 All	
Seal .....	480821

### Worm Shaft

1999-1986 All	
Seal .....	222510

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

1999-1986 All	
Seal Viton .....	710162

## CRANKSHAFT REAR SEAL

### 6 Cylinder

1999-1991 All	
Seal Viton .....	320691
1990-1986 All	
Seal .....	5591
Seal PTFE H/D .....	5291

# OLDSMOBILE- FRONT DRIVE - Firenza

## FRONT WHEEL

1988-1985 All	
Hub Assembly .....	513017K <sup>96</sup>
1984 (12mm Holes in Mtg. Flg.)	
Hub Assembly .....	513017K <sup>96</sup>
1984-1982 (10mm Holes in Mtg. Flg.)	
Hub Assembly .....	513004K <sup>96</sup>

## REAR WHEEL

1988-1982 All	
Hub Assembly .....	513012

## 3-SPEED AUTOMATIC TRANSAXLE

### Output Shaft

1988-1982 All	
Repair Sleeve .....	99139
Seal .....	3543

## 3-SPEED AUTOMATIC TRANSAXLE(cont)

### Selector Shaft Seal/Man. Shaft

1988-1984 All	
Repair Sleeve .....	8792S
Seal .....	

### Torque Converter

1988-1982 All	
Repair Sleeve .....	4072N
Seal .....	

## 4-SPEED MANUAL TRANSAXLE

### Differential

1987-1982 All	
Cup/Cone .....	A18

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- FRONT DRIVE - Firenza (cont.)</b>					

<b>4-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Output Shaft</b>		
1987-1982	All	
Repair Sleeve .....		99139
Seal .....		3543
Cone/Cup ; RH .....	15101-15245	
Cup/Cone; LH .....		A5
<b>Selector Shaft Seal/Man. Shaft</b>		
1987-1982	All	
Seal .....		472705
<b>Input Shaft</b>		
1987-1982	All	
Repair Sleeve .....		3732S
Seal .....		A4
Cup/Cone .....		

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Output Shaft</b>		
1988-1983	All	
Seal .....		223542
Cup/Cone; Pass Side .....		A5
<b>Selector Shaft Seal/Man. Shaft</b>		
1988-1983	All	
Repair Sleeve .....		710243
Seal .....		
<b>Input Shaft</b>		
1988-1983	All	
Cone/Cup ; Frt .....		30306
Seal ; Frt .....		222835
Repair Sleeve; Frt .....		

<b>ALTERNATOR</b>		
1988-1987	All	
Ball Bearing ; Rear End .....		100CC4
Ball Bearing ; Drive End .....		203FF
1986-1983	All	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S
1982	All	
Ball Bearing ; Drive End .....		203S
Needle Bearing; Rear End .....		MNJ471S

<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
1988-1982	All	
Seal .....		221925
<b>Worm Shaft</b>		
1988-1982	(Exc. H/D, Touring Suspension)	
Seal .....		222510

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1988-1982	112/1.8L, 121/2.0L	
Seal Viton .....		710164

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>6 Cylinder</b>		
1987-1985	173/2.8L	
Repair Sleeve .....		99176
Seal .....		9845

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1986-1982	112/1.8L, 121/2.0L	
Seal Viton .....		710232
<b>6 Cylinder</b>		
1987-1986	173/2.8L	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## OLDSMOBILE- FRONT DRIVE - Intrigue

<b>FRONT WHEEL</b>			<b>POWER STEERING</b>		
2002-1998	All		<b>Pump Shaft</b>		
	Hub Assembly .....	513121 <sup>94</sup>	2002-1999	212/3.5L	
<b>4-SPEED AUTOMATIC TRANSAXLE</b>				Ball Bearing .....	203FF
<b>Torque Converter / Frt Pump</b>				Seal .....	7013S
2002-1998	(4T65 E)		1999-1998	231/3.8L	
	Repair Sleeve .....	4072N		Seal .....	7013S
	Seal .....		<b>CRANKSHAFT FRONT SEAL</b>		
<b>Output Shaft</b>			<b>6 Cylinder</b>		
2002-1998	(4T65 E)		1999-1998	231/3.8L	
	Repair Sleeve; RH .....	99139		Seal Viton .....	710162
	Repair Sleeve; LH .....	99139	<b>CRANKSHAFT REAR SEAL</b>		
	Seal ; RH .....	3543	<b>6 Cylinder</b>		
	Seal ; LH .....	100165	2002-1999	212/3.5L	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal Viton .....	710262
2002-1998	(4T65 E)		1999-1998	231/3.8L	
	Repair Sleeve .....	8792S		Seal Viton .....	320691
	Seal .....				

## OLDSMOBILE- FRONT DRIVE - Toronado, Toronado Trofeo

<b>FRONT WHEEL</b>			<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
1992	All		<b>Output Shaft</b>		
	Hub Assembly .....	513087	1992-1986	All	
1991-1989	All			Repair Sleeve; RH .....	99139
	Hub Assembly .....	513059		Repair Sleeve; LH .....	99139
1988-1986	All			Seal ; RH .....	3543
	Hub Assembly .....	513016K <sup>96</sup>		Seal ; LH .....	710096
1985-1980	All		<b>Selector Shaft Seal/Man. Shaft</b>		
	Hub Assembly .....	513013	1992-1986	All	
<b>REAR WHEEL</b>				Repair Sleeve .....	340847
1992	All			Seal .....	
	Hub Assembly .....	512003	<b>Torque Converter</b>		
1991	(ABS)		1992-1986	All	
	Hub Assembly .....	512003		Repair Sleeve .....	4072N
1990-1987	(ABS)			Seal .....	
	Hub Assembly .....	513041	<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
1990-1986	(Non-ABS)		<b>Differential</b>		
	Hub Assembly .....	513018	1985-1982	All	
1985-1980	(Drum)			Cone/Cup .....	LM501349-LM501314
	Hub Assembly .....	513010	<b>Pinion</b>		
<b>3-SPEED AUTOMATIC TRANSAXLE</b>			1985-1982	All	
<b>Differential</b>				Cone/Cup ; Outer .....	M804049-M804010
1981-1980	All			Cone/Cup ; Inner .....	M802048-M802011
	Cone/Cup .....	LM501349-LM501314		Seal ; Outer .....	3606
<b>Pinion</b>			<b>Torque Converter / Frt Pump</b>		
1981-1980	All		1992-1986	All	
	Cone/Cup ; Outer .....	M804049-M804010		Repair Sleeve .....	4072N
	Cone/Cup ; Inner .....	M802048-M802011		Seal .....	
	Seal ; Outer .....	3606			

<sup>94</sup> Incl: Metal and Plastic Clip <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **OLDSMOBILE- FRONT DRIVE - Toronado, Toronado Trofeo (cont.)**

### **4-SPEED AUTOMATIC TRANSAXLE(cont)**

#### **Torque Converter / Frt Pump(cont)**

<b>1985-1982</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1981-1980</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227

#### **Output Shaft**

<b>1992-1980</b>	<b>All</b>	
Repair Sleeve; Pass Side .....		99139
Repair Sleeve; Driver Side .....		99139
Seal ; Pass Side .....		3543
Seal ; Driver Side .....		710096

#### **Selector Shaft Seal/Man. Shaft**

<b>1992-1980</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### **ALTERNATOR**

<b>1992-1980</b>	<b>All</b>	
Ball Bearing ; Rear End .....		100CC4
Ball Bearing ; Drive End .....		203FF

### **POWER STEERING**

#### **Pump Shaft**

<b>1992</b>	<b>All</b>	
Ball Bearing .....		203FF
Seal .....		7013S
<b>1991-1986</b>	<b>All</b>	
Ball Bearing .....		203FF
Seal .....		221925
<b>1985-1980</b>	<b>All</b>	
Seal .....		480821

#### **Worm Shaft**

<b>1985-1980</b>	<b>All</b>	
Seal .....		222025

### **POWER STEERING(cont)**

#### **Pitman Shaft**

<b>1985-1980</b>	<b>All</b>	
Seal Kit .....		PSK1

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

<b>1992-1986</b>	<b>231/3.8L</b>	
Seal Viton .....		710162
<b>1984-1981</b>	<b>252/4.1L</b>	
Repair Sleeve .....		99199
Seal .....		471424

#### **8 Cylinder**

<b>1985-1980</b>	<b>All</b>	
Repair Sleeve .....		99199
Seal .....		472082

### **CRANKSHAFT REAR SEAL**

#### **6 Cylinder**

<b>1992-1991</b>	<b>231/3.8L</b>	
Seal Viton .....		320691
<b>1990-1981</b>	<b>All</b>	
Seal .....		5591
Seal PTFE H/D .....		5291

#### **8 Cylinder**

<b>1985-1980</b>	<b>All</b>	
Seal Rope .....		5095

## **OLDSMOBILE- REAR DRIVE - Cruiser Wagon, Custom Cruiser, Holiday, Starfire**

### **FRONT WHEEL**

<b>1992-1991</b>	<b>All</b>	
Seal ; Inner .....		4739
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3
<b>1990-1980</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

### **REAR WHEEL**

<b>1992-1980</b>	<b>(Wagon or Pontiac Axle)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1987-1980</b>	<b>(Exc. Wagon) (8.5" R.G.)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- REAR DRIVE - Cruiser Wagon, Custom Cruiser, Holiday, Starfire</b>					
<b>(cont.)</b>					

## REAR WHEEL(cont)

1985-1980	(Exc. Wagon or Pontiac Axle)	
Seal	.....	8660S
Cyl. Bearing	.....	5707
Optional Repair Bearing	.....	RP5707 <sup>91</sup>

## REAR AXLE

### Differential

1992-1980	(B, C, G, K, O Axles)	
Cone/Cup	.....	LM501349-LM501314
1986-1980	(8.875", 9.375" R.G.) (P, M Axles)	
Cup/Cone	.....	A36

### Pinion

1992-1980	(8.5" R.G.)	
Repair Sleeve	.....	99193
Seal	.....	2043
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
1988-1980	(8.75" R.G.)	
Repair Sleeve	.....	99193
Seal	.....	2043
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	M802048-M802011
1986-1980	(7.5" R.G.) (3.125" Brg. O.D.)	
Repair Sleeve	.....	99152
Seal	.....	8611N
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM89249-HM89210
1981-1980	(7.5" R.G.) (3" Brg. O.D.)	
Repair Sleeve	.....	99152
Seal	.....	8611N
Cone/Cup ; Outer	.....	M86649-M86610
Cone/Cup ; Inner	.....	HM89449-HM89410

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1988-1980	(THM200, 350, 350C)	
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200
1980	(THM400) (1.890" shaft)	
Seal	.....	9449
Seal Kit	.....	5208

### Selector Shaft Seal/Man. Shaft

1988-1980	All	
Repair Sleeve	.....	8792S
Seal	.....	

### Torque Converter

1988-1980	(THM200)	
Repair Sleeve	.....	99174
Seal	.....	3227
1984-1980	(THM350, 350C, 400)	
Repair Sleeve	.....	99187
Seal	.....	6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1992-1988	All	
Repair Sleeve	.....	99149
Seal	.....	9613S
Seal Kit	.....	5200

### Selector Shaft Seal/Man. Shaft

1988-1982	All	
Repair Sleeve	.....	8792S
Seal	.....	

### Torque Converter

1992-1988	All	
Repair Sleeve	.....	99174
Seal	.....	3227

## POWER STEERING

### Pump Shaft

1992-1980	(Saginaw)	
Seal	.....	7013S

### Pitman Shaft

1992-1980	All	
Seal Kit	.....	PSK1

## CRANKSHAFT FRONT SEAL

### 8 Cylinder

1992-1991	All	
Repair Sleeve	.....	99176
Seal	.....	9845
1990-1980	All	
Repair Sleeve	.....	99199
Seal	.....	472082

## CRANKSHAFT REAR SEAL

### 6 Cylinder

1985-1980	All	
Seal	.....	5591
Seal PTFE H/D	.....	5291

### 8 Cylinder

1992-1991	305/5.0L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1990-1989	307/5.0L	
Seal	.....	5419
1988-1980	260/4.3, 307/5.0, (Diesel) 403/6.6, 455/7.5	
Seal	.....	5591
1982-1980	267/4.4L, 350/5.7L (G) & (L)	
Seal	.....	5092

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- REAR DRIVE - Cutlass, Cutlass Cruiser, F-85 Series, Vista Cruiser, 4-4-2</b>					
<b>FRONT WHEEL</b>			<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
1988-1982	All		<b>Torque Converter(cont)</b>		
	Seal ; Inner .....	8871	1983-1980	(THM250, 350, 375, 400)	
	Cup/Cone; Inner .....	A6		Repair Sleeve .....	99187
	Cup/Cone; Outer .....	A34		Seal .....	6712NA
1981-1980	All		<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
	Seal ; Inner .....	8871	<b>Rear Seal/Ext. Housing</b>		
	Cup/Cone; Inner .....	A6	1988	All	
	Cup/Cone; Outer .....	A3		Repair Sleeve .....	99149
<b>REAR WHEEL</b>				Seal .....	9613S
1988-1980	(7.5" R.G.)			Seal Kit .....	5200
	Seal .....	8660S	<b>Selector Shaft Seal/Man. Shaft</b>		
	Cyl. Bearing .....	5707	1988	All	
	Optional Repair Bearing .....	RP5707 <sup>91</sup>		Repair Sleeve .....	8792S
				Seal .....	
<b>REAR AXLE</b>			<b>Torque Converter</b>		
<b>Differential</b>			1988	All	
1988-1980	(7.5", 7.625", 8.5" R.G.)			Repair Sleeve .....	99174
	Cone/Cup .....	LM501349-LM501314		Seal .....	3227
1988-1980	(B, C, G, K, O Axles)		<b>3-SPEED MANUAL TRANSMISSION</b>		
	Cone/Cup .....	LM501349-LM501314	<b>Front Input Shaft</b>		
<b>Pinion</b>			1981-1980	(Saginaw)	
1988-1980	(7.5" R.G.) (3.125" Brg. O.D.)			Ball Bearing .....	207SLB
	Repair Sleeve .....	99152		Repair Sleeve .....	99125
	Seal .....	8611N		Seal .....	7412S
	Cone/Cup ; Outer .....	M86649-M86610	<b>Rear Output Shaft</b>		
	Cone/Cup ; Inner .....	HM89249-HM89210	1981-1980	(Saginaw)	
1981-1980	(7.5" R.G.) (3" Brg. O.D.)			Ball Bearing .....	99149
	Repair Sleeve .....	99152		Repair Sleeve .....	9613S
	Seal .....	8611N		Seal .....	5200
	Cone/Cup ; Outer .....	M86649-M86610		Seal Kit .....	
	Cone/Cup ; Inner .....	HM89449-HM89410	<b>4-SPEED MANUAL TRANSMISSION</b>		
<b>CLUTCH</b>			<b>Selector Shaft Seal/Man. Shaft</b>		
<b>Pilot Bearing</b>			1981-1980	(Saginaw)	
1981-1980	8 Cyl			Repair Sleeve .....	240735
	Ball Bearing .....	7109		Seal .....	
<b>3-SPEED AUTOMATIC TRANSMISSION</b>			<b>Input Shaft</b>		
<b>Rear Seal/Ext. Housing</b>			1981-1980	(Saginaw)	
1988-1980	(THM200, 250, 350, 350C)			Ball Bearing .....	1207SLB
	Repair Sleeve .....	99149		Repair Sleeve .....	99125
	Seal .....	9613S		Seal .....	7412S
	Seal Kit .....	5200	<b>Rear Output Shaft</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			1981-1980	(Saginaw)	
1988-1980	All			Ball Bearing .....	99149
	Repair Sleeve .....	8792S		Repair Sleeve .....	9613S
	Seal .....			Seal .....	5200
<b>Torque Converter</b>				Seal Kit .....	
1988-1980	(THM200)				
	Repair Sleeve .....	99174			
	Seal .....	3227			

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- REAR DRIVE - Cutlass, Cutlass Cruiser, F-85 Series, Vista Cruiser, 4-4-2 (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION

### Rear Output Shaft

1980	All	
	Repair Sleeve .....	99149
	Seal .....	9613S
	Seal Kit .....	5200

## POWER STEERING

### Pump Shaft

1988-1980	(Saginaw pump)	
	Seal .....	7013S

### Worm Shaft

1988-1980	All	
	Seal .....	22202S

### Pitman Shaft

1988-1985	All	
	Seal Kit .....	PSK1
1983-1980	(605 Gear) (round side cover)	
	Seal .....	71028S
1983-1980	(800 Gear) (4 bolt side cover)	
	Seal Kit .....	PSK1

## MANUAL STEERING

### Worm Shaft

1981-1980	All	
	Ball Bearing .....	8537
	Seal .....	474131

### Pitman Shaft

1981-1980	All	
	Seal .....	313842

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

1987	231/3.8L	
	Seal Viton .....	710162
1983-1980	231/3.8L	
	Seal .....	710163
1982	262/4.3L (Diesel)	
	Repair Sleeve .....	99176
	Seal .....	9845

### 8 Cylinder

1988-1980	(w/o 305 )	
	Repair Sleeve .....	99199
	Seal .....	472082
1980	305/5.0L, 350/5.7L	
	Repair Sleeve .....	99176
	Seal .....	9845

## CRANKSHAFT REAR SEAL

### 6 Cylinder

1987-1980	231/3.8L	
	Seal .....	5591
	Seal PTFE H/D .....	5291

### 8 Cylinder

1988-1980	(w/o 305 )	
	Seal Rope .....	5095
1980	305/5.0L	
	Seal .....	5092

# OLDSMOBILE- REAR DRIVE - Omega, Starfire (1975 & Newer)

## FRONT WHEEL

1980	Omega	
	Seal ; Inner .....	8871
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A3
1980	Starfire	
	Seal ; Inner .....	8705S
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A1

## REAR WHEEL

1980	All	
	Seal .....	8660S
	Cyl. Bearing .....	5707
	Optional Repair Bearing .....	RP5707 <sup>91</sup>

## REAR AXLE

### Differential

1980	(7.5" R.G.)	
	Cone/Cup .....	LM501349-LM501314

## REAR AXLE(cont)

### Differential(cont)

1980	(8.5" R.G.)	
	Cone/Cup .....	LM501349-LM501314

### Pinion

1980	Omega (7.5" R.G.)	
	Repair Sleeve .....	99152
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
1980	Omega (8.5" R.G.)	
	Repair Sleeve .....	99193
	Seal .....	2043
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	M802048-M802011

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>OLDSMOBILE- REAR DRIVE - Omega, Starfire (1975 &amp; Newer) (cont.)</b>					

## REAR AXLE(cont)

<b>Pinion(cont)</b>		
1980	Starfire (7.5" R.G.)	
	Repair Sleeve .....	99152
	Seal .....	8611N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM88649-HM88610

## 3-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
1980	All	
	Repair Sleeve .....	99149
	Seal .....	9613S
	Seal Kit .....	5200

<b>Selector Shaft Seal/Man. Shaft</b>		
1980	All	
	Repair Sleeve .....	8792S
	Seal .....	

<b>Torque Converter</b>		
1980	(THM200)	
	Repair Sleeve .....	99174
	Seal .....	3227
1980	(THM350, 350C)	
	Repair Sleeve .....	99187
	Seal .....	6712NA

## 4-SPEED MANUAL TRANSMISSION

<b>Selector Shaft Seal/Man. Shaft</b>		
1980	(Saginaw)	
	Repair Sleeve .....	240735
	Seal .....	

<b>Input Shaft</b>		
1980	(Saginaw)	
	Ball Bearing .....	207SLB
	Repair Sleeve .....	99125
	Seal .....	7412S

<b>Rear Output Shaft</b>		
1980	(Saginaw)	
	Ball Bearing .....	99149
	Repair Sleeve .....	9613S
	Seal .....	5200
	Seal Kit .....	

## 5-SPEED MANUAL TRANSMISSION

<b>Front Input Shaft</b>		
1980	All	
	Seal .....	251511

<b>Rear Output Shaft</b>		
1980	All	
	Repair Sleeve .....	99149
	Seal .....	9613S
	Seal Kit .....	5200

## POWER STEERING

<b>Pump Shaft</b>		
1980	(Saginaw)	
	Seal .....	7013S

<b>Worm Shaft</b>		
1980	All	
	Seal .....	222025

<b>Pitman Shaft</b>		
1980	(605 Gear) (round side cover)	
	Seal .....	710285
1980	(800 Gear) (4 bolt side cover)	
	Seal Kit .....	PSK1

## MANUAL STEERING

<b>Worm Shaft</b>		
1980	All	
	Ball Bearing .....	8537
	Seal .....	474131

<b>Pitman Shaft</b>		
1980	All	
	Seal .....	313842

## CRANKSHAFT FRONT SEAL

<b>4 Cylinder</b>		
1980	All	
	Repair Sleeve .....	99176
	Seal .....	9845

<b>6 Cylinder</b>		
1980	231/3.8L	
	Seal .....	710163

## CRANKSHAFT REAR SEAL

<b>4 Cylinder</b>		
1980	All	
	Repair Sleeve .....	99300
	Seal .....	3698

<b>6 Cylinder</b>		
1980	231/3.8L	
	Seal .....	5591
	Seal PTFE H/D .....	5291

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## OLDSMOBILE- MINIVAN, SUV - Bravada

### FRONT WHEEL

<b>2004-2002</b>	<b>All</b>	
Hub Assembly .....		513188
<b>2001-1997</b>	<b>All</b>	
Hub Assembly .....		513124
<b>1996-1992</b>	<b>All</b>	
Hub Assembly .....		513087
<b>1991</b>	<b>All</b>	
Hub Assembly .....		513016K <sup>96</sup>
Seal Kit .....		5698 <sup>95</sup>

### 4WD/AWD

<b>2004-2002</b>	<b>All</b>	
Hub Assembly .....		513188
<b>2001-1997</b>	<b>All</b>	
Hub Assembly .....		513124
<b>1996-1991</b>	<b>All</b>	
Hub Assembly .....		513061

### REAR WHEEL

<b>2004-2002</b>	<b>All</b>	
Seal .....		4762N
Cyl. Bearing .....		513067
Optional Repair Bearing .....		RP513067 <sup>91</sup>
<b>2001-1991</b>	<b>All</b>	
Seal .....		710166
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

### 4WD FRONT AXLE

#### Differential

<b>2004-1991</b>	<b>(7.25" R.G.)</b>	
Cup/Cone .....		A18

#### Pinion

<b>2004-1991</b>	<b>All</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M88047-M88010

#### Axle Shaft

<b>2004-1997</b>	<b>AAM ICA-7.25" R.G. (1.3125" Shaft)</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		B2010
Needle Bearing; Inner .....		
<b>2004-1997</b>	<b>AAM ICA-7.25" R.G. (1.5748" Shaft)</b>	
Seal .....		710491
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		HK4012
Needle Bearing; Inner .....		
<b>1996</b>	<b>AAM ICA-7.25" R.G.</b>	
Seal .....		223255
Needle Bearing; Outer .....		SCH78
Needle Bearing; Pilot .....		B2010
Needle Bearing; Inner .....		
<b>1994-1991</b>	<b>AAM ICA-7.25" R.G.</b>	
Seal .....		223255

### REAR AXLE

#### Differential

<b>2004-2002</b>	<b>(8.5", 8.625" R.G.)</b>	
Cup/Cone .....		A36
<b>2004-1991</b>	<b>(7.5" R.G., 7.625" R.G.)</b>	
Cone/Cup .....		LM501349-LM501314

#### Pinion

<b>2004-2002</b>	<b>(8.5", 8.625" R.G.) (113" W/B)</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
<b>2004-2002</b>	<b>(8.5", 8.625" R.G.) (129" W/B)</b>	
Repair Sleeve .....		99212
Seal .....		710506
Cone/Cup ; Outer .....		M88048-M88010
<b>2001-1999</b>	<b>All</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210
Seal ; Outer .....		8611N
Repair Sleeve; Outer .....		99152
<b>1998-1991</b>	<b>All</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210

### 4-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

<b>2004-1991</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### Selector Shaft Seal/Man. Shaft

<b>2004-1991</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

<b>2004-1993</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1992-1991</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227

### TRANSFER CASE

#### Input Shaft

<b>1997-1996</b>	<b>(Warner 4472)</b>	
Ball Bearing .....		109
Repair Sleeve .....		99175
Seal .....		710062

<sup>91</sup> Replaces Brg & Seal <sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## OLDSMOBILE- MINIVAN, SUV - Bravada (cont.)

<b>TRANSFER CASE(cont)</b>			<b>TRANSFER CASE(cont)</b>		
<b>Input Shaft(cont)</b>			<b>Rear Output Shaft(cont)</b>		
1994-1991	(Warner 4472)		1994-1991	(Warner 4472) (w/o boot)	
Ball Bearing	.....	109	Ball Bearing	.....	208SL
Repair Sleeve	.....	99175	Seal	.....	714503
Seal	.....	710062			
<b>Front Output Shaft</b>			<b>CRANKSHAFT FRONT SEAL</b>		
1997-1996	(Warner 4472)		<b>6 Cylinder</b>		
Seal ; Frt	.....	714503	2001-1991	262/4.3L	
Ball Bearing ; Frt	.....	207	Repair Sleeve	.....	99176
1994-1991	(Warner 4472)		Seal	.....	9845
Seal ; Frt	.....	714503			
Ball Bearing ; Frt	.....	207	<b>CRANKSHAFT REAR SEAL</b>		
<b>Rear Output Shaft</b>			<b>6 Cylinder</b>		
1997-1996	(Warner 4472) (booted)		2001-1991	262/4.3L	
Ball Bearing	.....	208SL	Seal Viton	.....	4359V
Seal	.....	4503N	Repair Sleeve	.....	99364
1997-1996	(Warner 4472) (w/o boot)		Seal PTFE H/D	.....	
Ball Bearing	.....	208SL			
Seal	.....	714503			
1994-1991	(Warner 4472) (booted)				
Ball Bearing	.....	208SL			
Seal	.....	4503N			

## OLDSMOBILE- MINIVAN, SUV - Silhouette

<b>FRONT WHEEL</b>			<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
2004-1997	All		<b>Torque Converter</b>		
Hub Assembly	.....	513121 <sup>94</sup>	1996-1990	(THM125C)	
1996-1992	All		Repair Sleeve	.....	4072N
Hub Assembly	.....	513087	Seal	.....	
1991-1990	All		<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
Hub Assembly	.....	513016K <sup>96</sup>	<b>Torque Converter / Frt Pump</b>		
<b>REAR WHEEL</b>			2004-1992	(4T60E, 4T65E)	
2004-2002	(AWD)		Repair Sleeve	.....	4072N
Hub Assembly	.....	513121	Seal	.....	
2004-1992	(Exc. AWD)		<b>Output Shaft</b>		
Hub Assembly	.....	512078	2004-1999	(4T65 E)	
1991-1990	All		Repair Sleeve; RH	.....	99139
Hub Assembly	.....	513018	Repair Sleeve; LH	.....	99139
<b>3-SPEED AUTOMATIC TRANSAXLE</b>			Seal ; RH	.....	3543
<b>Output Shaft</b>			Seal ; LH	.....	100165
1996-1990	(THM125C)		1998-1992	(4T60E)	
Repair Sleeve	.....	99139	Repair Sleeve; RH	.....	99139
Seal	.....	3543	Repair Sleeve; LH	.....	99139
<b>Selector Shaft Seal/Man. Shaft</b>			Seal ; RH	.....	3543
1996-1990	(THM125C)		Seal ; LH	.....	710096
Repair Sleeve	.....	8792S	<b>Selector Shaft Seal/Man. Shaft</b>		
Seal	.....		2004-1992	(4T60E, 4T65E)	
			Repair Sleeve	.....	8792S
			Seal	.....	

<sup>94</sup> Incl: Metal and Plastic Clip <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **OLDSMOBILE- MINIVAN, SUV - Silhouette (cont.)**

### **CRANKSHAFT FRONT SEAL**

#### **6 Cylinder**

<b>2004-1996</b>	<b>207/3.4L</b>	
Repair Sleeve .....		99176
Seal .....		9845
<b>1995-1992</b>	<b>231/3.8L</b>	
Seal Viton .....		710162
<b>1994-1990</b>	<b>189/3.1L</b>	
Repair Sleeve .....		99176
Seal .....		9845

### **CRANKSHAFT REAR SEAL**

#### **6 Cylinder**

<b>2004-1990</b>	<b>189/3.1L, 207/3.4L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

### **CRANKSHAFT REAR SEAL(cont)**

#### **6 Cylinder(cont)**

<b>1995-1992</b>	<b>231/3.8L</b>	
Seal Viton .....		320691

## **PAYCAN-**

### **FRONT WHEEL**

<b>1989-1980</b>	<b>All</b>	
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A2

## **PEUGEOT- Car**

### **FRONT WHEEL**

<b>1991-1989</b>	<b>405</b>	
Ball Bearing .....		513073
<b>1991-1980</b>	<b>505 (Exc. 2.8)</b>	
Cone/Cup ; Outer .....		224520
Seal ; Inner .....		A33
Cup/Cone; Inner .....		
<b>1990</b>	<b>505 (2.8L)</b>	
Ball Bearing .....		513051
<b>1987-1980</b>	<b>604</b>	
Cone/Cup ; Outer .....		224520
Seal ; Inner .....		A33
Cup/Cone; Inner .....		
<b>1982-1980</b>	<b>504</b>	
Cone/Cup ; Outer .....		224520
Seal ; Inner .....		A33
Cup/Cone; Inner .....		

### **REAR WHEEL**

<b>1991-1989</b>	<b>405 (w/o ABS)</b>	
Hub Assembly .....		512017

### **REAR WHEEL(cont)**

<b>1991-1982</b>	<b>505 Sedan</b>	
Seal ; Inner .....		225460
Seal ; Outer .....		55X70X8
Ball Bearing ; Inner .....		513151
<b>1984-1981</b>	<b>604</b>	
Seal ; Inner .....		225460
Seal ; Outer .....		55X70X8
Ball Bearing ; Inner .....		513151
<b>1982-1980</b>	<b>504 Sedan (Solid Axle)</b>	
Seal ; Inner .....		225420
Seal ; Outer .....		225500
Ball Bearing ; Inner .....		
<b>1982-1980</b>	<b>504 Wagon (Exc. V6 )</b>	
Ball Bearing .....		308
<b>1981</b>	<b>505 Sedan (From Ch. # 1214587)</b>	
Seal ; Inner .....		225460
Seal ; Outer .....		55X70X8
Ball Bearing ; Inner .....		513151

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PEUGEOT- Car (cont.)

### REAR WHEEL(cont)

1981	505 Sedan (Thru Ch. # 1214586)	
	Seal ; Inner .....	225460
	Seal ; Outer .....	55X70X8
	Ball Bearing ; Inner .....	
1980	505 Sedan	
	Seal ; Inner .....	225420
	Seal ; Outer .....	55X70X8
	Ball Bearing ; Inner .....	
1980	604	
	Seal ; Inner .....	225420
	Seal ; Outer .....	55X70X8
	Ball Bearing ; Inner .....	

### REAR AXLE

#### Differential

1991-1980	504, 505, 604	
	Cup/Cone .....	A37

#### Pinion

1988-1980	504, 505, 604	
	Seal .....	1012N
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	HM89449-HM89410

### CLUTCH

#### Pilot Bearing

1990-1985	4 Cyl 2.2L Turbo Diesel	
	Bushing .....	PB38
1990-1980	4 Cyl Gas Turbo	
	Ball Bearing .....	103CC
1990-1970	4 Cyl Diesel, w/o Turbo	
	Bushing .....	PB38

### CLUTCH(cont)

#### Pilot Bearing(cont)

1990-1970	4 Cyl, exc Turbo Diesel	
	Bushing .....	PB38
1988-1987	6 Cyl	
	Ball Bearing .....	203FF
1988-1985	4 Cyl 2.5L Turbo Diesel	
	Ball Bearing .....	103CC
1981-1980	6 Cyl	
	Ball Bearing .....	203FF

### ALTERNATOR

1991-1982	(Motorola 70 Amp.)	
	Ball Bearing ; Rear End .....	200CC
	Ball Bearing ; Drive End .....	203FF
1985-1980	(Bosch)	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	203FF
1985-1980	Paris Rhone (50 Amp.)	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	203FF
1985-1980	Paris Rhone (70 Amp.)	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	203FF
1985-1980	Paris Rhone (75 Amp.)	
	Ball Bearing ; Rear End .....	201CC
	Ball Bearing ; Drive End .....	203FF

## PLYMOUTH- FRONT DRIVE - Acclaim, Caravelle, Reliant, Sundance

### FRONT WHEEL

1995-1991	Acclaim, Sundance	
	Hub Assembly .....	513075
1990-1984	All	
	Ball Bearing .....	513006
	Seal .....	5604
	Hub Kit; 4 Stud .....	518501 <sup>22</sup>
	Hub Kit; 5 Stud .....	518502 <sup>22</sup>
1983-1980	All	
	Ball Bearing .....	B39
	Seal .....	5604
	Hub Kit .....	518500 <sup>22</sup>

### REAR WHEEL

1995-1983	All	
	Seal ; Inner .....	4099
	Cup/Cone; Inner .....	A39
	Cup/Cone; Outer .....	A16
1982-1980	All	
	Seal ; Inner .....	3677
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A2

### CLUTCH

#### Release Bearing

1995-1990	4 Cyl	
	Bearing Assembly .....	614092
1994-1991	6 Cyl 3.0L	
	Bearing Assembly .....	614092
1989-1986	4 Cyl	
	Bearing Assembly .....	614066

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PLYMOUTH- FRONT DRIVE - Acclaim, Caravelle, Reliant, Sundance (cont.)

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1995-1980 (A404, A413, A470, A670, 31TH)	
Repair Sleeve .....	99157
Seal .....	3459
Cup/Cone .....	A18

#### Output Shaft

1991-1980 (A404, A413, A470, A670)	
Cup/Cone .....	A17

#### Selector Shaft Seal/Man. Shaft

1995-1980 (A404, A413, A470, A670, 31TH)	
Seal .....	8609

#### Torque Converter

1995-1980 All	
Repair Sleeve .....	99149
Seal .....	331228H

#### Transfer Shaft

1995-1980 (A404, A413, A470, A670, 31TH)	
Cup/Cone .....	A18

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

1995-1989 (A604, 41TE)	
Repair Sleeve .....	99157
Seal .....	3459
Cup/Cone .....	A18

#### Torque Converter / Frt Pump

1995-1989 (A604, 41TE)	
Repair Sleeve .....	99149
Seal .....	331228H

#### Output Shaft

1991-1989 (A604)	
Cup/Cone .....	A17

#### Selector Shaft Seal/Man. Shaft

1995-1989 (A604, 41TE)	
Seal .....	8609

#### Transfer Shaft

1995-1992 (41TE)	
Cup/Cone; RH .....	A35
1991-1989 (A604)	
Cup/Cone .....	A18

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1986-1981 (A460)	
Repair Sleeve .....	99157
Seal .....	3459
Cup/Cone .....	A18
1983-1980 (A412)	
Cone/Cup .....	LM29749-LM29710

#### Output Shaft

1983-1980 (A412)	
Seal .....	474288

### 4-SPEED MANUAL TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

1986-1981 (A460)	
Seal .....	3816
1983-1980 (A412)	
Seal .....	221820

#### Input Shaft

1986-1981 (A460)	
Seal ; Frt .....	3732S
Repair Sleeve; Frt .....	A4
Cup/Cone; Frt .....	A5
Cup/Cone; Rr .....	
1983-1980 (A412)	
Seal .....	222240

#### Mainshaft

1983-1980 (A412)	
Cup/Cone; RH .....	A15

#### Intermediate Shaft

1986-1981 (A460)	
Cyl. Bearing ; Frt .....	5707

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1995-1981 (A465, A520, A523, A525, A543, A555, A568)	
Repair Sleeve .....	99157
Seal .....	3459
Cup/Cone .....	A18

#### Selector Shaft Seal/Man. Shaft

1995-1981 (A465, A520, A523, A525, A543, A555, A568)	
Seal .....	3816

#### Input Shaft

1995-1981 (A465, A520, A523, A525, A543, A555, A568)	
Seal ; Frt .....	3732S
Repair Sleeve; Frt .....	A4
Cup/Cone; Frt .....	A5
Cup/Cone; Rr .....	

#### Intermediate Shaft

1986-1981 (A465)	
Cyl. Bearing ; Frt .....	5707

### INTERMEDIATE SHAFT

#### 4 Cylinder

1995-1989 135/2.2L, 153/2.5L	
Repair Sleeve .....	99139
Seal .....	3655

### CAMSHAFT SEAL

#### 4 Cylinder

1995-1989 135/2.2L, 153/2.5L	
Repair Sleeve .....	99139
Seal .....	3655

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PLYMOUTH- FRONT DRIVE - Acclaim, Caravelle, Reliant, Sundance (cont.)

<b>CAMSHAFT SEAL(cont)</b>			<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder(cont)</b>			<b>4 Cylinder</b>		
1988-1986	153/2.5L		1994-1981	135/2.2L, 153/2.5L	
Repair Sleeve .....		99139	Seal Viton .....		710056
Seal .....		3655	Seal PTFE H/D .....		
<b>6 Cylinder</b>			<b>6 Cylinder</b>		
1995-1989	181/3.0L		1995-1989	181/3.0L	
Repair Sleeve .....		99139	Seal Viton .....		710056
Seal .....		3771	Seal PTFE H/D .....		
<b>CRANKSHAFT FRONT SEAL</b>					
<b>4 Cylinder</b>					
1995-1989	135/2.2L, 153/2.5L				
Repair Sleeve .....		99112			
Seal .....		3638			
1988-1981	135/2.2L, 153/2.5L				
Repair Sleeve .....		99139			
Seal .....		3655			
<b>6 Cylinder</b>					
1995-1989	181/3.0L				
Seal .....		223750			

## PLYMOUTH- FRONT DRIVE - Breeze

<b>FRONT WHEEL</b>			<b>5-SPEED MANUAL TRANSAXLE</b>		
2000-1996	All		<b>Differential</b>		
Hub Assembly .....		513138	2000-1996	All	
<b>REAR WHEEL</b>			Repair Sleeve .....		99157
2000-1998	(ABS)		Seal .....		3459
Hub Assembly .....		512220	Cup/Cone .....		A18
2000-1996	(Non-ABS)		<b>Selector Shaft Seal/Man. Shaft</b>		
Hub Assembly .....		512154	2000-1996	All	
1997-1996	(ABS)		Seal .....		3816
Hub Assembly .....		512133	<b>Input Shaft</b>		
<b>CLUTCH</b>			2000-1996	All	
<b>Release Bearing</b>			Seal ; Frt .....		3732S
2000-1996	All		Repair Sleeve; Frt .....		A4
Bearing Assembly .....		614121	Cup/Cone; Frt .....		A5
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			Cup/Cone; Rr .....		
<b>Torque Converter / Frt Pump</b>			<b>CAMSHAFT SEAL</b>		
2000-1996	All		<b>4 Cylinder</b>		
Repair Sleeve .....		99149	2000-1996	122/2.0L	
Seal .....		331228H	Seal Viton .....		320249
<b>Selector Shaft Seal/Man. Shaft</b>			2000-1996	148/2.4L	
2000-1996	All		Seal Viton .....		320249
Seal .....		8609	<b>CRANKSHAFT FRONT SEAL</b>		
<b>Transfer Shaft</b>			<b>4 Cylinder</b>		
2000-1996	(A604, 41TE)		2000-1996	122/2.0L	
Cup/Cone; Outer .....		A35	Seal Viton .....		320348
			2000-1996	148/2.4L	
			Seal Viton .....		320348

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PLYMOUTH- FRONT DRIVE - Breeze (cont.)

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

<b>2000-1996</b>	<b>122/2.0L</b>	
Seal Viton .....		710056
Seal PTFE H/D .....		
<b>2000-1996</b>	<b>148/2.4L</b>	
Seal Viton .....		710056
Seal PTFE H/D .....		

## PLYMOUTH- FRONT DRIVE - Horizon, Scamp, TC3, Turismo

### FRONT WHEEL

<b>1990-1980</b>	<b>All</b>	
Ball Bearing .....		B39
Seal .....		5604
Hub Kit .....		518500 <sup>22</sup>

### REAR WHEEL

<b>1990-1983</b>	<b>All</b>	
Seal ; Inner .....		4099
Cup/Cone; Inner .....		A39
Cup/Cone; Outer .....		A16
<b>1982-1980</b>	<b>All</b>	
Seal ; Inner .....		3677
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A2

### CLUTCH

#### Release Bearing

<b>1990</b>	<b>4 Cyl</b>	
Bearing Assembly .....		614092
<b>1989-1986</b>	<b>4 Cyl</b>	
Bearing Assembly .....		614066

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>1990-1980</b>	<b>(A404, A413, A470, A670, 31TH)</b>	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

#### Output Shaft

<b>1990-1980</b>	<b>(A404, A413, A470, A670)</b>	
Cup/Cone .....		A17

#### Selector Shaft Seal/Man. Shaft

<b>1990-1980</b>	<b>(A404, A413, A470, A670, 31TH)</b>	
Seal .....		8609

#### Torque Converter

<b>1990-1980</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		331228H

#### Transfer Shaft

<b>1990-1980</b>	<b>(A404, A413, A470, A670, 31TH)</b>	
Cup/Cone .....		A18

### 4-SPEED MANUAL TRANSAXLE

#### Differential

<b>1983-1980</b>	<b>(A412)</b>	
Cone/Cup .....		LM29749-LM29710

#### Output Shaft

<b>1983-1980</b>	<b>(A412)</b>	
Seal .....		474288

#### Selector Shaft Seal/Man. Shaft

<b>1983-1980</b>	<b>(A412)</b>	
Seal .....		221820

#### Input Shaft

<b>1983-1980</b>	<b>(A412)</b>	
Seal .....		222240

### 5-SPEED MANUAL TRANSAXLE

#### Differential

<b>1990-1981</b>	<b>All</b>	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

#### Selector Shaft Seal/Man. Shaft

<b>1990-1981</b>	<b>All</b>	
Seal .....		3816

#### Input Shaft

<b>1990-1981</b>	<b>All</b>	
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		A5
Cup/Cone; Rr .....		

### CAMSHAFT SEAL

#### 4 Cylinder

<b>1990-1981</b>	<b>135/2.2L</b>	
Seal ; Frt .....		3655
Repair Sleeve; Frt .....		99139

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

<b>1990-1989</b>	<b>135/2.2L</b>	
Repair Sleeve .....		99112
Seal .....		3638

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH- FRONT DRIVE - Horizon, Scamp, TC3, Turismo (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1988-1981	135/2.2L	
Repair Sleeve .....		99139
Seal .....		3655
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1990-1981	135/2.2L	
Seal Viton .....		710056
Seal PTFE H/D .....		

## PLYMOUTH- FRONT DRIVE - Neon

<b>FRONT WHEEL</b>		
2001-2000	All	
Ball Bearing .....		510057
1999-1995	All	
Ball Bearing .....		510032
Hub Kit; 4 Stud .....		518511 <sup>25</sup>
Hub Kit; 5 Stud .....		518512 <sup>25</sup>

<b>REAR WHEEL</b>		
2001-2000	All	
Hub Assembly .....		512167
1999-1998	All	
Hub Assembly .....		512013
1997-1996	All	
Hub Assembly .....		512023
1995	All	
Hub Assembly; 4 Stud .....		512021
Hub Assembly; 5 Stud .....		512023

<b>CLUTCH</b>		
<b>Release Bearing</b>		
2001-1995	All	
Bearing Assembly .....		614121

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2000-1997	(A404 31TH) (Prod. from mid 1997 on)	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99157
Seal ; RH .....		3459
Seal ; LH .....		3459
1997-1996	(A404 31TH) (Prod. thru mid 1997)	
Repair Sleeve; RH .....		99157
Repair Sleeve; LH .....		99157
Seal ; RH .....		3459
Seal ; LH .....		3459
Cone/Cup ; RH .....		

<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Differential(cont)</b>		
1995	(A404 31TH)	
Cone/Cup ; LH .....		99157
Repair Sleeve; LH .....		3459
Seal ; LH .....		

<b>Selector Shaft Seal/Man. Shaft</b>		
2001-1995	All	
Seal .....		8609

<b>Torque Converter</b>		
2001-1995	All	
Repair Sleeve .....		99149
Seal .....		331228H

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
2001-1996	All	
Repair Sleeve .....		99157
Seal .....		3459
Cup/Cone .....		A18

<b>Selector Shaft Seal/Man. Shaft</b>		
2001-1996	All	
Seal .....		3816

<b>Input Shaft</b>		
2001-1995	All	
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		A5
Cup/Cone; Rr .....		

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2001-1995	122/2.0L	
Seal Viton .....		320249

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2001-1995	122/2.0L	
Seal Viton .....		320348

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PLYMOUTH- FRONT DRIVE - Neon (cont.)

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2001-1995	122/2.0L	
Seal Viton .....		710056
Seal PTFE H/D .....		

## PLYMOUTH- REAR DRIVE - Barracuda, Duster, Valiant, Volare

### FRONT WHEEL

1980	(Disc)	
Seal ; Inner .....		5121
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A2

### REAR WHEEL

1980	(7.25" R.G.) (10" Brks.)	
Ball Bearing .....		RWC35YYR
Seal .....		8660S
1980	(8.25" R.G.)	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

### REAR AXLE

#### Differential

1980	(7.25" R.G.)	
Cup/Cone .....		A35
1980	(8.25" R.G.) (From Early 1975)	
Cup/Cone .....		A36

#### Pinion

1980	(7.25" R.G.)	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88649-HM88610
1980	(8.25" R.G.)	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M802048-M802011

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1980	(A727) (1 pc driveshaft)	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
1980	(A904)	
Ball Bearing .....		2506
Seal .....		

#### Selector Shaft Seal/Man. Shaft

1980	(A904)	
Seal .....		8609

### 3-SPEED AUTOMATIC TRANSMISSION(cont)

#### Torque Converter

1980	(A727)	
Seal .....		331227H
1980	(A904)	
Repair Sleeve .....		99149
Seal .....		331228H

### 3-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1980	All	
Seal .....		7188S

#### Front Input Shaft

1980	(New Process A230) (18 spline)	
Seal .....		9376
1980	(New Process A230) (20 spline)	
Ball Bearing .....		308LOE
Seal .....		9376

#### Rear Output Shaft

1980	(New Process A230) (23 spline)	
Seal .....		8160S
1980	(New Process A230) (26 spline long shaft)	
Seal .....		2506
1980	(New Process A230) (30 spline short shaft)	
Ball Bearing .....		308LOE
Seal .....		7300S
Seal Kit .....		5206

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

1980	All	
Seal .....		3095

#### 8 Cylinder

1980	All	
Seal .....		3103

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1980	225/3.7L	
Seal .....		5650

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH- REAR DRIVE - Barracuda, Duster, Valiant, Volare (cont.)</b>					

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder</b>		
1980	All	
Seal .....		5414

<b>PLYMOUTH- REAR DRIVE - Belvedere, Caravelle, Fury, Gran Fury, GTX, Roadrunner, Satellite</b>					
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<b>FRONT WHEEL</b>		
1989-1980	Gran Fury	
Seal ; Inner .....		5121
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A2

<b>REAR WHEEL</b>		
1989-1985	(7.25", 8.25" R.G.)	
Seal .....		8835S
Cyl. Bearing .....		6408
1984-1980	(7.25" R.G.) (10" Brks.)	
Ball Bearing .....		RWC35YYR
Seal .....		8660S
1984-1980	(8.25" R.G.)	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>

<b>REAR AXLE</b>		
<b>Differential</b>		
1988-1980	(7.25" R.G.)	
Cup/Cone .....		A35
1988-1980	(8.25" R.G.) (From Early 1975)	
Cup/Cone .....		A36
<b>Pinion</b>		
1988-1980	(7.25" R.G.)	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88649-HM88610
1988-1980	(8.25" R.G.)	
Repair Sleeve .....		99168
Seal .....		8516N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M802048-M802011

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1989-1980	(A727) (1 pc driveshaft)	
Ball Bearing .....		207XLO
Seal .....		7300S
Seal Kit .....		5206
1989-1980	(A904, A999)	
Ball Bearing .....		2506
Seal .....		

<b>3-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1989-1980	(A904)	
Seal .....		8609
<b>Torque Converter</b>		
1989-1980	(A727)	
Seal .....		331227H
1989-1980	(A904, A999)	
Repair Sleeve .....		99149
Seal .....		331228H

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
1983-1980	225/3.7L	
Seal .....		3095
<b>8 Cylinder</b>		
1989-1980	All	
Seal .....		3103

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1983-1980	225/3.7L	
Seal .....		5650
<b>8 Cylinder</b>		
1989-1980	318/5.2L	
Seal .....		5414

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PLYMOUTH- REAR DRIVE - Prowler (See Also Chrysler 02)

### FRONT WHEEL

2001-1997	All	
	Hub Assembly .....	513123

### REAR WHEEL

2001-1997	All	
	Hub Assembly .....	513089

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

2001-1997	(A606, 42LE)	
	Repair Sleeve .....	99157
	Seal .....	3459
	Cup/Cone .....	A36

#### Torque Convertor / Frt Pump

2001-1997	All	
	Repair Sleeve .....	99149
	Seal .....	331228H

#### Selector Shaft Seal/Man. Shaft

2001-1997	All	
	Seal .....	8609

### CAMSHAFT SEAL

#### 6 Cylinder

2001-1997	215/3.5L	
	Repair Sleeve .....	714655
	Seal .....	

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

2001-1997	215/3.5L	
	Repair Sleeve .....	99112
	Seal .....	3638

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

2001-1997	215/3.5L	
	Seal Viton .....	710056
	Seal PTFE H/D .....	

## PLYMOUTH IMPORT- see also MITSUBISHI - Arrow, Arrow PU, Champ, Colt, Conquest, Cricket, Lancer, Laser, Sapporo

### FRONT WHEEL

1994-1993	Colt	
	Seal ; Inner .....	8430S
	Seal ; Outer .....	4898
	Ball Bearing ; Inner .....	510016
1994-1990	Laser	
	Seal ; Inner .....	225450
	Seal ; Outer .....	225230
	Ball Bearing ; Inner .....	513036
1992-1985	Colt	
	Seal .....	474134
	Cup/Cone .....	A41
1991-1985	Colt Vista (4WD)	
	Seal ; Inner .....	225082
	Seal ; Outer .....	225230
	Ball Bearing ; Inner .....	513036
1991-1984	Colt Vista (FWD)	
	Seal .....	474134
	Cup/Cone .....	A41
1986-1984	Conquest	
	Seal ; Inner .....	494122
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
1984	Colt (Non-Turbo)	
	Cone/Cup .....	LM29748-LM29710
	Seal .....	474134

### FRONT WHEEL(cont)

1984	Colt (Turbo)	
	Seal .....	474134
	Cup/Cone .....	A41
1983-1981	Colt	
	Cone/Cup ; Outer .....	LM29748-LM29710
	Cone/Cup ; Inner .....	LM29748-LM29710
	Seal ; Inner .....	474134
	Seal ; Outer .....	474134
1983-1980	Sapporo	
	Seal ; Inner .....	494122
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
1982-1980	Arrow Pickup	
	Seal ; Inner .....	225010
	Cup/Cone; Inner .....	A5
	Cup/Cone; Outer .....	A3
1982-1980	Champ	
	Cone/Cup .....	LM29748-LM29710
	Seal .....	474134
1980	Arrow, Cricket	
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A2

### REAR WHEEL

1994-1993	Colt (ABS)	
	Hub Assembly .....	512033

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH IMPORT- see also MITSUBISHI - Arrow, Arrow PU, Champ, Colt, Conquest, Cricket, Lancer, Laser, Sapporo (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>1994-1993</b>	<b>Colt (Non-ABS)</b>	
	Hub Assembly .....	512148
<b>1994-1992</b>	<b>Colt Vista (4WD)</b>	
	Ball Bearing .....	511013
<b>1994-1992</b>	<b>Colt Vista (FWD)</b>	
	Hub Assembly .....	512040
<b>1994-1992</b>	<b>Laser (AWD)</b>	
	Seal ; Inner .....	710152
	Ball Bearing ; Inner .....	511014
	Ball Bearing ; Outer .....	511015
<b>1994-1990</b>	<b>Laser (FWD) (ABS)</b>	
	Hub Assembly .....	512011 <sup>28</sup>
<b>1994-1990</b>	<b>Laser (FWD) (Non-ABS)</b>	
	Hub Assembly .....	512010
<b>1992-1991</b>	<b>Colt (Drum)</b>	
	Cone/Cup .....	516001
	Seal ; Inner .....	1205N
<b>1991-1985</b>	<b>Colt Vista</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1991-1985</b>	<b>Colt Vista (4WD)</b>	
	Seal ; Inner .....	710152
	Ball Bearing ; Inner .....	511014
	Ball Bearing ; Outer .....	511015
<b>1990-1989</b>	<b>Colt (2Dr.) (Disc)</b>	
	Cone/Cup .....	516000
	Seal ; Inner .....	1205N
<b>1990-1989</b>	<b>Colt (2Dr.) (Drum)</b>	
	Cone/Cup .....	516001
	Seal ; Inner .....	1205N
<b>1990-1989</b>	<b>Colt (4Dr.)</b>	
	Cone/Cup .....	513029
	Seal ; Inner .....	1205N
<b>1990-1989</b>	<b>Colt Wagon (4WD)</b>	
	Seal ; Inner .....	1955
<b>1988</b>	<b>Colt</b>	
	Cone/Cup .....	513029
	Seal ; Inner .....	1205N
<b>1987-1985</b>	<b>Colt</b>	
	Cone/Cup .....	513029
	Seal ; Inner .....	710338
<b>1986-1984</b>	<b>Conquest</b>	
	Seal ; Inner .....	224100
	Ball Bearing ; Inner .....	206F
	Ball Bearing ; Outer .....	207F
<b>1983-1981</b>	<b>Colt</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1983-1980</b>	<b>Sapporo</b>	
	Ball Bearing .....	RW128R

<b>REAR WHEEL(cont)</b>		
<b>1982-1980</b>	<b>Arrow Pickup</b>	
	Cone/Cup ; Inner .....	30208
	Seal ; Inner .....	4989
	Seal ; Outer .....	225110
<b>1982-1980</b>	<b>Champ</b>	
	Seal ; Inner .....	1196
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1
<b>1980</b>	<b>Arrow</b>	
	Ball Bearing .....	RW128R
	Seal .....	1955
<b>1980</b>	<b>Colt (RWD)</b>	
	Ball Bearing .....	RW128R

## REAR AXLE

<b>Differential</b>		
<b>1994-1990</b>	<b>Laser (AWD)</b>	
	Cone/Cup .....	30207
	Seal .....	710396
<b>1994-1985</b>	<b>Colt Ser. (AWD)</b>	
	Cone/Cup .....	30207
	Seal .....	710396
<b>1986-1984</b>	<b>Conquest 2.6 Turbo, (Intercooled Turbo)</b>	
	Seal .....	710335
<b>1983-1980</b>	<b>Sapporo 2600</b>	
	Ball Bearing .....	207
<b>1982-1980</b>	<b>Arrow 2.6L</b>	
	Ball Bearing .....	207
<b>1980</b>	<b>Arrow 1600, 2000</b>	
	Cone/Cup .....	30207
<b>Pinion</b>		
<b>1983-1980</b>	<b>Sapporo 2600</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
	Seal ; Outer .....	224255
<b>1982-1980</b>	<b>Arrow 2.6L</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
	Seal ; Outer .....	224255
<b>1982-1980</b>	<b>Arrow Pickup</b>	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	HM89449-HM89410
	Seal ; Outer .....	224570
<b>1980</b>	<b>Arrow 1600, 2000</b>	
	Cone/Cup ; Outer .....	30305
	Cone/Cup ; Inner .....	32207
	Seal ; Outer .....	471847N

## CLUTCH

<b>Release Bearing</b>		
<b>1994-1990</b>	<b>Laser AWD Turbo</b>	
	Bearing Assembly .....	614099
<b>1994-1990</b>	<b>Laser FWD, w/o Turbo</b>	
	Bearing Assembly .....	614126

<sup>28</sup> Reuse Old ABS Ring

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH IMPORT- see also MITSUBISHI - Arrow, Arrow PU, Champ, Colt, Conquest, Cricket, Lancer, Laser, Sapporo (cont.)</b>					

## CLUTCH(cont)

### Release Bearing(cont)

1994-1983	Colt	
	Bearing Assembly .....	614126
1991-1984	Colt Vista	
	Bearing Assembly .....	614126

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1982-1980	(A94)	
	Seal .....	2506

### Selector Shaft Seal/Man. Shaft

1982-1980	(A94)	
	Seal .....	8609

### Torque Converter

1982-1980	(RWD)	
	Repair Sleeve .....	99149
	Seal .....	331228H

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1986-1984	All	
	Seal .....	223801

### Torque Converter

1986-1984	All	
	Seal Viton .....	2025

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1980	All	
	Ball Bearing .....	307L
	Seal Viton .....	712007

### Rear Output Shaft

1980	All	
	Ball Bearing .....	306L
	Seal .....	223240

## 5-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

1986-1980	All	
	Seal .....	710222

### Front Input Shaft

1986-1985	(KM132G)	
	Ball Bearing .....	307L
	Seal .....	223014
1986-1980	(KM132, KM132 B)	
	Ball Bearing .....	207L
	Seal .....	223014
1983-1980	(KM119)	
	Ball Bearing .....	208L
	Seal Viton .....	712007

## 5-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

1986-1984	(KM132B, KM132G)	
	Ball Bearing .....	511014
	Seal .....	223608
1983-1980	(KM119)	
	Ball Bearing .....	205
	Seal .....	223240
1983-1980	(KM132)	
	Ball Bearing .....	RW122
	Seal .....	223608

### Countershaft

1986-1985	(KM132G)	
	Cone/Cup .....	30205
1983-1980	(KM119)	
	Ball Bearing ; Rr .....	304
	Ball Bearing ; Center .....	5205KLE

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

1995-1980	(w/o KM172 0, KM172 5)	
	Ball Bearing .....	207
1990-1984	(KM172 0, KM172 5)	
	Cone/Cup .....	30207

### Output Shaft

1995-1980	All	
	Repair Sleeve .....	99139
	Seal .....	223543

### Torque Converter

1996-1980	(FWD)	
	Seal .....	320583

## 4-SPEED AUTOMATIC TRANSAXLE

### Differential

1995-1990	(F4A21 2, F4A22 2, F4A33 1, KM176 5)	
	Ball Bearing .....	207

### Torque Converter / Frt Pump

1995-1990	All	
	Seal .....	320583

### Output Shaft

1995-1993	(F4A21 2, F4A22 2)	
	Repair Sleeve .....	99139
	Seal .....	223543
1995-1993	(F4A33 1)	
	Seal Viton .....	710259
1995-1992	(W4A32 1)	
	Repair Sleeve; LH .....	99139
	Seal ; RH .....	710199
	Seal ; LH .....	223543
1992-1990	(F4A21 2, F4A22 2, F4A33 1, KM176 5)	
	Repair Sleeve .....	99139
	Seal .....	223543

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH IMPORT- see also MITSUBISHI - Arrow, Arrow PU, Champ, Colt, Conquest, Cricket, Lancer, Laser, Sapporo (cont.)</b>					

<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1992-1989 (F4M21 1)		
Ball Bearing .....		207
1989-1987 (KM200 0)		
Cone/Cup .....	30207	
1986-1980 (KM160 2, KM161 0)		
Ball Bearing .....		207
<b>Output Shaft</b>		
1992-1987 (F4M21 1, KM200 0)		
Cone/Cup .....	30206	
Repair Sleeve .....	99139	
Seal .....	223543	
1986-1980 (KM160 2, KM161 0)		
Cone/Cup .....	30304	
Repair Sleeve .....	99139	
Seal .....	223543	
<b>Selector Shaft Seal/Man. Shaft</b>		
1992-1980 (KM160 2)		
Seal .....		710222
<b>Input Shaft</b>		
1992-1987 (F4M21 1, KM200 0)		
Seal Viton .....	712007	
1986-1980 (KM160 2, KM161 0)		
Ball Bearing .....		304
Seal Viton .....	712007	
<b>Countershaft</b>		
1989-1987 (KM200 0)		
Ball Bearing ; Frt .....		RW122
Ball Bearing ; Rr .....		
1986-1985 (KM161 0)		
Cone/Cup .....	32004	
1984-1980 (KM160 2)		
Cone/Cup .....		30304
<b>Intermediate Shaft</b>		
1986-1985 (KM161 0)		
Cone/Cup .....	32004	
1984-1980 (KM160 2)		
Cone/Cup .....		30304

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1995-1985 (KM182 2, F5M22 2, KM182 0, KM206 0, KM221 1)		
Cone/Cup .....	30207	
1995-1980 (F5M21 1, F5M21 2, W5M31 2, W5M33 2, KM162 0, KM162 0, KM163 0, KM201 0)		
Ball Bearing .....		207
<b>Pinion</b>		
1995-1990 (W5M31 2, W5M33 2)		
Seal .....	223014	

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Output Shaft</b>		
1995-1993 (F5M33 1)		
Seal Viton .....		710259
1995-1992 (W5M33 2)		
Repair Sleeve; LH .....		99139
Seal ; RH .....		710199
Seal ; LH .....		223543
1995-1987 (F5M21 1, F5M21 2, F5M22 2, KM201 0, KM206 0)		
Cone/Cup .....	30206	
Repair Sleeve .....	99139	
Seal .....	223543	
1995-1980 (KM182 2, KM162 0, KM163 0, KM221 1, F5M31 2, F5M33 2)		
Repair Sleeve .....	99139	
Seal .....	223543	
1994-1993 (Getrag)		
Seal Viton .....		710259
1993-1992 (W5M31 2)		
Repair Sleeve; RH .....		99114
Repair Sleeve; LH .....		99139
Seal ; RH .....		1981
Seal ; LH .....		223543
1992-1991 (Getrag)		
Repair Sleeve .....	99139	
Seal .....	223543	
<b>Extension Housing</b>		
1993-1992 (W5M31 2)		
Seal .....		710317
1991-1985 (KM182 0, KM182 2, KM221 1)		
Cone/Cup .....	30206	
Seal .....	223240	
<b>Selector Shaft Seal/Man. Shaft</b>		
1995-1980 (KM162 0)		
Seal .....		710222
<b>Input Shaft</b>		
1995-1990 (F5M21 1, F5M21 2, F5M22 2, F5M33 2, W5M31 2, W5M33 2)		
Seal Viton .....	712007	
1994-1991 (Getrag)		
Seal Viton .....	712007	
1991-1985 (KM182 2, KM182 0, KM221 1)		
Seal Viton .....	712007	
Cone/Cup ; Rr .....	30304	
Ball Bearing ; Center .....	304	
1989-1987 (KM201 0, KM206 0)		
Seal Viton .....	712007	
Ball Bearing ; Rr .....	304	
Ball Bearing ; Center .....		
1987-1980 (KM162 0, KM163 0)		
Ball Bearing .....	304	
Seal Viton .....	712007	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH IMPORT- see also MITSUBISHI - Arrow, Arrow PU, Champ, Colt, Conquest, Cricket, Lancer, Laser, Sapporo (cont.)</b>					

## 5-SPEED MANUAL TRANSAXLE(cont)

### Countershaft

1991-1985 (KM182 0, KM182 2, KM221 1)	
Cone/Cup .....	30304
1990-1987 (KM201 0, KM206 0)	
Ball Bearing ; Frt .....	RW122
Ball Bearing ; Rr .....	
1987-1980 (KM162 0, KM163 0)	
Cone/Cup ; Rr .....	30304
Cone/Cup ; Frt .....	32205

### Intermediate Shaft

1987-1980 (KM162 0, KM163 0)	
Cone/Cup .....	30304

## CAMSHAFT SEAL

### 4 Cylinder

1995-1980 1410cc/1.4L, 1468cc/1.5L, 1597cc/1.6L, 1755cc/1.8L, 1834cc/1.8L, 1997cc/2.0L, 2351cc/2.4L	
Repair Sleeve .....	99139
Seal .....	3771

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

1995-1992 1834cc/1.8L	
Seal .....	223750
1995-1985 1468cc/1.5L	
Seal .....	223018
1995-1980 1595cc/1.6L (DOHC), 1597cc/1.6L, 1755cc/1.8L, 1997cc/2.0L, 2351cc/2.4L	
Seal .....	224460

## CRANKSHAFT FRONT SEAL(cont)

### 4 Cylinder(cont)

1984-1980 1410cc/1.4L	
Seal .....	712001

## CRANKSHAFT REAR SEAL

### 4 Cylinder

1995-1984 1595cc/1.6L (DOHC), 1834cc/1.8L, 1997cc/2.0L (DOHC), 2351cc/2.4L	
Seal Viton .....	228005
1995-1980 1410cc/1.4L, 1468cc/1.5L, 1597cc/1.6L, 1755cc/1.8L0L	
Seal .....	227235

# PLYMOUTH TRUCK- MINIVAN - Grand Voyager, Voyager - 2001 SEE CHRYSLER SECTION

## FRONT WHEEL

2000-1996 (14" Whl.)	
Hub Assembly .....	513122
2000-1996 (15", 16", 17" Whl.)	
Hub Assembly .....	513123
1995-1991 (14" Whl.)	
Hub Assembly .....	513075
1995-1989 (15" Whl.)	
Hub Assembly .....	513074 <sup>23</sup>

## FRONT WHEEL(cont)

1990-1984 (14" Whl.)	
Ball Bearing .....	513006
Seal .....	5604
Hub Kit; 4 Stud .....	518501 <sup>22</sup>
Hub Kit; 5 Stud .....	518502 <sup>22</sup>
1988 (15" Whl.)	
Hub Assembly .....	513231 <sup>24</sup>

## REAR WHEEL

2000-1996 (Drum)	
Hub Assembly; 14" Whl. ....	512155
Hub Assembly; 15", 16", & .....	512156

<sup>22</sup> Incl: Spindle, Brg, Seal, Gskt and Mtg Blts <sup>23</sup> Threaded Mtg Holes <sup>24</sup> Drilled Mtg Holes

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH TRUCK- MINIVAN - Grand Voyager, Voyager - 2001 SEE</b>					
<b>CHRYSLER SECTION (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
1995-1984	All	
Seal ; Inner	.....	4249
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A16
<b>4WD/AWD</b>		
2000-1996	All	
Hub Assembly	.....	512157
1995-1991	All	
Hub Assembly	.....	512125
<b>AWD REAR AXLE</b>		
<b>Pinion</b>		
2000-1994	All	
Cup/Cone; Inner	.....	A35
Cup/Cone; Outer	.....	A17
<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2000-1997	31TH	
Repair Sleeve; RH	.....	99157
Repair Sleeve; LH	.....	99157
Seal ; RH	.....	3459
Seal ; LH	.....	3459
1996-1984	(A413, A670, 31TH)	
Repair Sleeve	.....	99157
Seal	.....	3459
Cup/Cone	.....	A18
1995-1992	(A404 31TH)	
Repair Sleeve	.....	99157
Seal	.....	3459
1991-1983	(A404)	
Cone/Cup	.....	99157
Repair Sleeve	.....	3459
Seal	.....	
<b>Output Shaft</b>		
1991-1984	(A404 31TH, A413)	
Cup/Cone; LH	.....	A17
Cup/Cone; RH	.....	A17
<b>Selector Shaft Seal/Man. Shaft</b>		
1992-1984	(A413, 31TH)	
Seal	.....	8609
<b>Torque Converter</b>		
2000-1984	(A404 31TH, A413)	
Repair Sleeve	.....	99149
Seal	.....	331228H
<b>Transfer Shaft</b>		
2000-1984	(A413, A670, 31TH)	
Cup/Cone	.....	A18
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1990-1989	(A604, A670)	
Cup/Cone	.....	A18

<b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Torque Converter / Frt Pump</b>		
2000-1988	(A604, A604, A670, 41TE) (incl. AWD)	
Repair Sleeve	.....	99149
Seal	.....	331228H
<b>Output Shaft</b>		
2000-1997	(A604 41TE) (AWD) (Prod. from mid 1997 on)	
Repair Sleeve	.....	99157
Seal	.....	3459
2000-1997	(A604 41TE) (Prod. from mid 1997 on)	
Repair Sleeve	.....	99157
Seal	.....	3459
1997-1991	(A604 41TE) (AWD) (Prod. thru mid 1997)	
Repair Sleeve	.....	99157
Seal	.....	3459
Cone/Cup ; Outer	.....	
Cone/Cup ; Inner	.....	
1997-1991	(A604 41TE) (Prod. thru mid 1997)	
Repair Sleeve	.....	99157
Seal	.....	3459
Cone/Cup ; Outer	.....	
Cone/Cup ; Inner	.....	
1990-1989	(A604, A670)	
Repair Sleeve	.....	99157
Seal	.....	3459
Cup/Cone	.....	A17
<b>Selector Shaft Seal/Man. Shaft</b>		
2000-1988	(A604, A604 41TE, A670)	
Seal	.....	8609
<b>Transfer Shaft</b>		
2000-1996	(A604, 41TE)	
Cup/Cone; Outer	.....	A35
1995-1991	(A604, 41TE)	
Cone/Cup ; Inner	.....	13687-13623X
Cup/Cone; Outer	.....	A35
1989	(A604, A670)	
Cup/Cone	.....	A18
<b>INTERMEDIATE SHAFT</b>		
<b>6 Cylinder</b>		
2000-1990	201/3.3L, 230/3.8L	
Repair Sleeve	.....	99139
Seal	.....	3655
<b>TRANSFER CASE</b>		
<b>Input Shaft</b>		
2000-1991	All	
Seal	.....	710501

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH TRUCK- MINIVAN - Grand Voyager, Voyager - 2001 SEE</b>					
<b>CHRYSLER SECTION (cont.)</b>					

## TRANSFER CASE(cont)

### Front Output Shaft

2000-1991	All	
Ball Bearing	.....	106
Repair Sleeve	.....	99157
Seal	.....	3459

## CAMSHAFT SEAL

### 4 Cylinder

2000-1996	148/2.4L	
Seal Viton	.....	320249
1995-1988	153/2.5L	
Repair Sleeve	.....	99139
Seal	.....	3655

### 6 Cylinder

2000-1987	2972cc/3.0L	
Repair Sleeve	.....	99139
Seal	.....	3771

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2000-1996	148/2.4L	
Seal Viton	.....	320348

## CRANKSHAFT FRONT SEAL(cont)

### 4 Cylinder(cont)

1995-1989	153/2.5L	
Repair Sleeve	.....	99112
Seal	.....	3638
1988-1984	135/2.2L, 153/2.5L	
Repair Sleeve	.....	99139
Seal	.....	3655

### 6 Cylinder

2000-1990	201/3.3L, 230/3.8L	
Repair Sleeve	.....	99112
Seal	.....	3638
2000-1987	2972cc/3.0L	
Seal	.....	223750

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2000-1984	135/2.2L, 148/2.4L, 153/2.5L	
Seal Viton	.....	710056
Seal PTFE H/D	.....	

### 6 Cylinder

2000-1990	2972cc/3.0L, 201/3.3L, 231/3.8L	
Seal Viton	.....	710056
Seal PTFE H/D	.....	

# PLYMOUTH TRUCK- LIGHT & 1/2 - 1 TON VAN - PB100-350 Full-Size Van, Trailblazer, Trailduster

## FRONT WHEEL

### 2WD

1983-1982	(3300 lb. Axle) (5 Stud)	
Seal ; Inner	.....	3087
Cup/Cone; Inner	.....	A18
Cup/Cone; Outer	.....	A16
1983-1982	(4000 lb. Axle) (8 Stud)	
Cone/Cup ; Outer	.....	15101-15245
Seal ; Inner	.....	493291
Cup/Cone; Inner	.....	A35
1981-1980	(3300 lb., 3600 lb. Axle)	
Seal ; Inner	.....	3087
Seal ; Inner	.....	5121
Cup/Cone; Inner	.....	A17
Cup/Cone; Inner	.....	A18
Cup/Cone; Outer	.....	A16
1981-1980	(3800 & 4000 lb. Axle) (8 Stud)	
Cone/Cup ; Outer	.....	15101-15245
Seal ; Inner	.....	493291
Cup/Cone; Inner	.....	A35

## FRONT WHEEL(cont)

### 4WD/AWD

1981-1980	All	
Cone/Cup ; Inner	.....	LM104949-JLM104910
Seal ; Inner	.....	413248
Seal ; Inner	.....	471271
Cup/Cone; Outer	.....	A35

## REAR WHEEL

1983-1980	(8.375", 9.25" R.G.)	
Seal	.....	8835S
Cyl. Bearing	.....	6408
Optional Repair Bearing	.....	RP6408 <sup>91</sup>
1983-1980	PB300, 350 (Dana/Spicer 60 Axle) (12"x2.5" Brks.)	
Seal ; Inner	.....	4250
Cup/Cone	.....	A38

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH TRUCK- LIGHT &amp; 1/2 - 1 TON VAN - PB100-350 Full-Size Van, Trailblazer, Trailduster (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
1983-1980	PB300, 350 (Dana/Spicer 60, 70 Axle) (12"x 3" Brks.)	
	Cone/Cup ; Inner .....	45291-45220
	Cone/Cup ; Inner .....	HD213
	Seal ; Inner .....	417158
	Seal ; Inner .....	455086
	Cup/Cone; Outer .....	A38
<b>4WD FRONT AXLE</b>		
<b>Differential</b>		
1983-1980	(8.25", 8.375" R.G.)	
	Cup/Cone .....	A36
1983-1980	(9.25" R.G.)	
	Cone/Cup .....	JLM704649-JLM704610
1983-1980	(Dana/Spicer 44-3CF, 44F-BJ Axles)	
	Cone/Cup .....	25590-25523
<b>Pinion</b>		
1983-1980	(8.25", 8.375" R.G.)	
	Repair Sleeve .....	99168
	Seal .....	8516N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M802048-M802011
1983-1980	(9.25" R.G.)	
	Seal .....	5126
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	M804049-M804010
1983-1980	(Dana/Spicer 44F-BJ Axle)	
	Seal Viton .....	5778V
	Cone/Cup ; Outer .....	02872-02820
	Cone/Cup ; Inner .....	31594-31520
<b>Axle Shaft</b>		
1983-1980	(Dana/Spicer 44F-BJ Axle)	
	Seal .....	5131
<b>Spindle</b>		
1983-1980	(Dana/Spicer 44F-BJ Axle)	
	Seal ; Inner .....	722108
	Seal ; Outer .....	722109

<b>REAR AXLE</b>		
<b>Differential</b>		
1983-1980	(8.25" R.G.)	
	Cup/Cone .....	A36
1983-1980	(8.375" R.G.)	
	Cup/Cone .....	A36
1983-1980	(9.25" R.G.)	
	Cone/Cup .....	JLM704649-JLM704610

<b>REAR AXLE(cont)</b>		
<b>Pinion</b>		
1983-1980	(8.25" R.G.)	
	Repair Sleeve .....	99168
	Seal .....	8516N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M802048-M802011
1983-1980	(8.375" R.G.)	
	Repair Sleeve .....	99168
	Seal .....	8516N
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	M802048-M802011
	Seal ; Outer .....	8516N
	Repair Sleeve; Outer .....	99168
1983-1980	(9.25" R.G.)	
	Seal .....	5126
	Cone/Cup ; Outer .....	M88048-M88010
	Cone/Cup ; Inner .....	M804049-M804010

<b>AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
1983	(A904) (2WD)	
	Ball Bearing .....	2506
	Seal .....	
1983-1980	(A727) (booted)	
	Ball Bearing .....	207XLO
	Seal .....	7300S
	Seal Kit .....	5206
1983-1980	(A727) (w/o boot)	
	Ball Bearing .....	206-1
	Seal .....	8160S
1982-1980	(A904)	
	Ball Bearing .....	2506
	Seal .....	
<b>Selector Shaft Seal/Man. Shaft</b>		
1983-1980	(A904)	
	Seal .....	8609
<b>Torque Converter</b>		
1983-1980	(A727)	
	Seal .....	331227H
1983-1980	(A904)	
	Repair Sleeve .....	99149
	Seal .....	331228H

<b>3-SPEED MANUAL TRANSMISSION</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1981-1980	All	
	Seal .....	7188S
<b>Front Input Shaft</b>		
1981-1980	(New Process A230) (18 spline)	
	Seal .....	9376
1981-1980	(New Process A230) (20 spline)	
	Ball Bearing .....	308LOE
	Seal .....	9376

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PLYMOUTH TRUCK- LIGHT &amp; 1/2 - 1 TON VAN - PB100-350 Full-Size Van, Trailblazer, Trailduster (cont.)</b>					

## 3-SPEED MANUAL TRANSMISSION(cont)

### Front Input Shaft(cont)

<b>1980</b>	<b>(A390 Tremec 150T)</b>	
Ball Bearing .....		482208
Seal .....		

### Rear Output Shaft

<b>1981-1980</b>	<b>(New Process A230) (23 spline)</b>	
Seal .....		8160S
<b>1981-1980</b>	<b>(New Process A230) (26 spline)</b>	
Seal .....		2506
<b>1981-1980</b>	<b>(New Process A230) (30 spline)</b>	
Ball Bearing .....		308LOE
Seal .....		7300S
Seal Kit .....		5206
<b>1980</b>	<b>(A390 Tremec 150T)</b>	
Ball Bearing .....		207L
Seal .....		7300S
Seal Kit .....		5206

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

<b>1983-1980</b>	<b>(New Process A833)</b>	
Ball Bearing .....		308LOE
Seal .....		9376
<b>1981</b>	<b>(New Process 445)</b>	
Cone/Cup .....	HM88649-HM88610	
Seal .....		482163N

### Rear Output Shaft

<b>1983-1980</b>	<b>(New Process A833) (30 spline shaft)</b>	
Ball Bearing .....		308LOE
Seal .....		7300S
Seal Kit .....		5206
<b>1981</b>	<b>(New Process 435)</b>	
Ball Bearing .....		1308L
Seal .....		8160S
<b>1981</b>	<b>(New Process 445)</b>	
Cone/Cup .....		A7

## CRANKSHAFT FRONT SEAL

### 6 Cylinder

<b>1983-1980</b>	<b>225/3.7L</b>	
Seal .....		3095

### 8 Cylinder

<b>1983-1980</b>	<b>318/5.2L, 360/5.9L, 400/6.6, 440/7.2</b>	
Seal .....		3103

## CRANKSHAFT REAR SEAL

### 6 Cylinder

<b>1983-1980</b>	<b>225/3.7L</b>	
Seal .....		5650

### 8 Cylinder

<b>1983-1980</b>	<b>318/5.2L, 360/5.9L</b>	
Seal .....		5414

## PONTIAC- FRONT DRIVE - Bonneville

### FRONT WHEEL

<b>2005-2000</b>	<b>All</b>	
Hub Assembly .....		513121 <sup>94</sup>
<b>1999-1992</b>	<b>(ABS)</b>	
Hub Assembly .....		513087
<b>1992</b>	<b>(Non-ABS)</b>	
Hub Assembly .....		513088
<b>1991-1987</b>	<b>All</b>	
Hub Assembly .....		513016K <sup>96</sup>

### REAR WHEEL

<b>2005-2000</b>	<b>All</b>	
Hub Assembly .....		512003
<b>1999-1991</b>	<b>(ABS)</b>	
Hub Assembly .....		513062
<b>1992-1987</b>	<b>(Non-ABS)</b>	
Hub Assembly .....		513018
<b>1990-1987</b>	<b>(ABS)</b>	
Hub Assembly .....		513041

<sup>94</sup> Incl: Metal and Plastic Clip <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE - Bonneville (cont.)

<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>CRANKSHAFT FRONT SEAL</b>		
<b>Torque Converter / Frt Pump</b>			<b>6 Cylinder</b>		
2005-2004	(4T80 E)		2005-1986	231/3.8L	
Repair Sleeve	.....	99189	Seal Viton	.....	710162
Seal	.....	224840	<b>CRANKSHAFT REAR SEAL</b>		
2005-1987	(4T60E, 4T65E)		<b>6 Cylinder</b>		
Repair Sleeve	.....	4072N	2005-1991	3.8L	
Seal	.....		Seal Viton	.....	320691
<b>Output Shaft</b>			Seal PTFE H/D	.....	5291
2005-2004	(4T80 E)		1990-1987	231/3.8L	
Seal ; RH	.....	4674N	Seal	.....	5591
Seal ; LH	.....	714679	<b>8 Cylinder</b>		
2005-1998	(4T65 E)		2005-2004	4.6L (DOHC)	
Repair Sleeve; RH	.....	99139	Seal Viton	.....	710262
Repair Sleeve; LH	.....	99139			
Seal ; RH	.....	3543			
Seal ; LH	.....	100165			
1997-1992	(4T60E)				
Repair Sleeve; RH	.....	99139			
Repair Sleeve; LH	.....	99139			
Seal ; RH	.....	3543			
Seal ; LH	.....	710096			
1997-1987	All				
Repair Sleeve; RH	.....	99139			
Repair Sleeve; LH	.....	99139			
Seal ; RH	.....	3543			
Seal ; LH	.....	710096			
<b>Selector Shaft Seal/Man. Shaft</b>					
2005-1992	(4T60E, 4T65E, 4T80E)				
Repair Sleeve	.....	8792S			
Seal	.....				
<b>ALTERNATOR</b>					
1997-1986	(Delco)				
Ball Bearing ; Rear End	.....	100CC4			
Ball Bearing ; Drive End	.....	203FF			
<b>POWER STEERING</b>					
<b>Pump Shaft</b>					
2000-1992	All				
Seal	.....	7013S			

## PONTIAC- FRONT DRIVE - G6

<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
2007-2006	(Non-ABS)		<b>Torque Converter / Frt Pump</b>		
Hub Assembly	.....	513215	2006	(4T45E, 4T65E)	
2007-2005	(ABS)		Repair Sleeve	.....	4072N
Hub Assembly	.....	513214	Seal	.....	
<b>REAR WHEEL</b>					
2007-2005	(ABS)				
Hub Assembly	.....	512285			
2007-2005	(Non-ABS)				
Hub Assembly	.....	512287			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE - G6 (cont.)

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

#### Output Shaft

<b>2006</b>	<b>(4T65 E)</b>	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		100165

#### Selector Shaft Seal/Man. Shaft

<b>2006</b>	<b>(4T45E)</b>	
Repair Sleeve .....		8792S
Seal .....		

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

<b>2006</b>	<b>3.9L</b>	
Repair Sleeve .....		99176
Seal .....		9845
<b>2006-2005</b>	<b>3.5L</b>	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

<b>2006</b>	<b>3.9L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>2006-2005</b>	<b>3.5L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

## PONTIAC- FRONT DRIVE - Grand Am

### FRONT WHEEL

<b>2005-1999</b>	<b>All</b>	
Hub Assembly .....		513137
<b>1998-1985</b>	<b>All</b>	
Hub Assembly .....		513017K <sup>96</sup>
Seal Kit .....		5697 <sup>95</sup>

### REAR WHEEL

<b>2005-2001</b>	<b>(Disc, Drum)</b>	
Hub Assembly .....		512152
<b>2000-1999</b>	<b>(Disc)</b>	
Hub Assembly .....		512152
<b>2000-1999</b>	<b>(Drum)</b>	
Hub Assembly .....		512003
<b>1998-1991</b>	<b>All</b>	
Hub Assembly .....		512001
<b>1990-1985</b>	<b>All</b>	
Hub Assembly .....		513012

### CLUTCH

#### Pilot Bearing

<b>1991-1985</b>	<b>4 Cyl</b>	
Bushing .....		PB650

#### Release Bearing

<b>2001-2000</b>	<b>4 Cyl 146ci/2.4L</b>	
Hyd. Bearing Assembly .....		619006
<b>1996-1995</b>	<b>4 Cyl 5 Spd Hydraulic Clutch, w/ Isuzu Trans</b>	
Hyd. Bearing Assembly .....		619006

### CLUTCH(cont)

#### Release Bearing(cont)

<b>1994-1992</b>	<b>4 Cyl 2.3L DOHC 5 Spd, w/ Hydraulic Clutch (T550 Trans)</b>	
Hyd. Bearing Assembly .....		619005
<b>1994-1992</b>	<b>4 Cyl 2.3L SOHC 5 Spd, w/ Isuzu Trans</b>	
Bearing Assembly .....		614108
<b>1994-1992</b>	<b>4 Cyl Quad4 5 Spd, w/ Isuzu Trans</b>	
Bearing Assembly .....		614108
<b>1992</b>	<b>6 Cyl 5 Spd</b>	
Bearing Assembly .....		614069
<b>1992-1988</b>	<b>4 Cyl 5 Spd, w/ Muncie Trans</b>	
Bearing Assembly .....		614069
<b>1992-1985</b>	<b>4 Cyl 5 Spd, (Exc Quad4)</b>	
Bearing Assembly .....		614108
<b>1987</b>	<b>6 Cyl 5 Spd</b>	
Bearing Assembly .....		614069

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

<b>1995-1985</b>	<b>(THM125C)</b>	
Repair Sleeve .....		99139
Seal .....		3543

#### Selector Shaft Seal/Man. Shaft

<b>1995-1985</b>	<b>(THM125C)</b>	
Repair Sleeve .....		8792S
Seal .....		

<sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC- FRONT DRIVE - Grand Am (cont.)</b>					
<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>			<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Torque Converter</b>			<b>Input Shaft</b>		
1995-1985	(THM125C)		2004-1987	All	
	Repair Sleeve .....	4072N		Ball Bearing .....	222835
	Seal .....			Repair Sleeve .....	
				Seal .....	
<b>4-SPEED AUTOMATIC TRANSAXLE</b>			<b>ALTERNATOR</b>		
<b>Torque Converter / Frt Pump</b>			1992-1985 (Delco)		
2005-1987	(4T40E, 4T45E, 4T60E)			Ball Bearing ; Rear End .....	100CC4
	Repair Sleeve .....	4072N		Ball Bearing ; Drive End .....	203FF
	Seal .....		<b>POWER STEERING</b>		
<b>Output Shaft</b>			<b>Pump Shaft</b>		
1998-1987	(THM440 T4, 4T60, 4T60 E)		2000-1992	All	
	Repair Sleeve; RH .....	99139		Seal .....	7013S
	Repair Sleeve; LH .....	99139	<b>CAMSHAFT SEAL</b>		
	Seal ; RH .....	3543	<b>4 Cylinder</b>		
	Seal ; LH .....	710096	1995-1988	138/2.3L (DOHC)	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal Viton .....	713771
2005-1985	(4T40E, 4T45E, 4T60E)		1994-1992	138/2.3L (SOHC)	
	Repair Sleeve .....	8792S		Seal Viton .....	713771
	Seal .....		1989-1987	121/2.0/L	
<b>4-SPEED MANUAL TRANSAXLE</b>				Seal Viton .....	1108
<b>Differential</b>			<b>CRANKSHAFT FRONT SEAL</b>		
1987-1985	All		<b>4 Cylinder</b>		
	Cup/Cone .....	A18	2001-1996	2.4L (DOHC)	
<b>Output Shaft</b>				Seal Viton .....	320259
1987-1985	All		1995-1988	138/2.3L (DOHC)	
	Cone/Cup ; LH .....	15101-15245		Seal Viton .....	320259
	Repair Sleeve .....	99139	1994-1992	138/2.3L (SOHC)	
	Seal .....	3543		Seal Viton .....	320259
	Cup/Cone; RH .....	A5	1991-1985	151/2.5L	
<b>Selector Shaft Seal/Man. Shaft</b>				Repair Sleeve .....	99176
1987-1985	All			Seal .....	9845
	Seal .....	3667	1989-1987	121/2.0/L	
<b>Input Shaft</b>				Seal Viton .....	710164
1987-1985	All		<b>6 Cylinder</b>		
	Cone/Cup ; Rr .....	15101-15245	2005-1999	201/3.4L	
	Seal ; Frt .....	3732S		Repair Sleeve .....	99176
	Repair Sleeve; Frt .....	A4		Seal .....	9845
	Cup/Cone; Frt .....		1998-1994	189/3.1L	
<b>5-SPEED MANUAL TRANSAXLE</b>				Repair Sleeve .....	99176
<b>Output Shaft</b>				Seal .....	9845
2004-1985	All		1993-1992	3300/3.3L	
	Repair Sleeve .....	99139		Seal Viton .....	710162
	Seal .....	3543	1987-1986	181/3.0L	
	Cone/Cup ; RH .....	32206		Seal Viton .....	710162
	Cup/Cone; LH .....	A5	1985	181/3.0L	
<b>Selector Shaft Seal/Man. Shaft</b>				Seal .....	710163
2004-1985	All		<b>CRANKSHAFT REAR SEAL</b>		
	Repair Sleeve .....	8792S	<b>4 Cylinder</b>		
	Seal .....		2005-2002	2.2L (DOHC)	
				Seal Viton .....	710237

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE - Grand Am (cont.)

### CRANKSHAFT REAR SEAL(cont)

#### 4 Cylinder(cont)

2001-1996	146/2.4L	
Seal	.....	40375
1995-1988	138/2.3L (DOHC)	
Seal	.....	40375
1994-1992	138/2.3L (SOHC)	
Seal	.....	40375
1991-1985	151/2.5L	
Repair Sleeve	.....	99300
Seal	.....	3698
1989-1987	121/2.0/L	
Seal Viton	.....	710237

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder

2005-1999	201/3.4L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
1998-1994	189/3.1L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
1993-1992	3300/3.3L	
Seal Viton	.....	320691
1987-1985	181/3.0L	
Seal	.....	5591

## PONTIAC- FRONT DRIVE - Grand Prix

### FRONT WHEEL

2008-2003	(Non-ABS)	
Hub Assembly	.....	513160
2008-1997	All	
Hub Assembly	.....	513121 <sup>94</sup>
1996-1988	All	
Hub Assembly	.....	513044

### REAR WHEEL

2006-2004	(Non-ABS)	
Hub Assembly	.....	513018
2003	(ABS)	
Hub Assembly	.....	512237
2003	(Non-ABS)	
Hub Assembly	.....	513018
1996-1992	(ABS)	
Hub Assembly	.....	512004
1996-1988	(Non-ABS)	
Hub Assembly	.....	513018
1991-1988	(ABS)	
Hub Assembly	.....	513042

### CLUTCH

#### Release Bearing

1992-1991	6 Cyl 3.4L 5 Spd, w/ Pull Type Clutch	
Bearing Assembly	.....	614108
1992-1988	6 Cyl 5 Spd	
Bearing Assembly	.....	614069
1991-1990	4 Cyl 5 Spd, (w/o Quad4 & Turbo)	
Bearing Assembly	.....	614108
1991-1990	4 Cyl Quad4 5 Spd, w/ Muncie Trans	
Bearing Assembly	.....	614069

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

1993-1985	All	
Repair Sleeve	.....	99139
Seal	.....	3543

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

1993-1985	All	
Repair Sleeve	.....	8792S
Seal	.....	

#### Torque Converter

1993-1985	All	
Repair Sleeve	.....	4072N
Seal	.....	

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

2006-1987	(4T60E, 4T65E)	
Repair Sleeve	.....	4072N
Seal	.....	

#### Output Shaft

2006-1997	(4T65 E)	
Repair Sleeve; RH	.....	99139
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	3543
Seal ; LH	.....	100165
2000-1987	(THM440 T4, 4T60, 4T60 E)	
Repair Sleeve; RH	.....	99139
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	3543
Seal ; LH	.....	710096

#### Selector Shaft Seal/Man. Shaft

2006-1985	All	
Repair Sleeve	.....	8792S
Seal	.....	

### 5-SPEED MANUAL TRANSAXLE

#### Output Shaft

2000-1985	All	
Repair Sleeve; LH	.....	99139
Seal ; LH	.....	3543
Cone/Cup ; RH	.....	32206
Cup/Cone; LH	.....	A5

<sup>94</sup> Incl: Metal and Plastic Clip

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE - Grand Prix (cont.)

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>			<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>Selector Shaft Seal/Man. Shaft</b>			<b>6 Cylinder</b>		
2001-1985	All		2006-1997	3.8L	
Seal	.....	3667	Seal Viton	.....	320691
<b>Input Shaft</b>			2003-1989	189/3.1L, 207/3.4L	
2000-1987	All		Repair Sleeve	.....	99298
Ball Bearing	.....	222835	Seal	.....	4307V
Repair Sleeve	.....		Seal PTFE H/D	.....	5273
Seal	.....		1987-1985	231/3.8L	
<b>ALTERNATOR</b>			Seal	.....	5591
2002-1988	(Delco)		<b>8 Cylinder</b>		
Ball Bearing ; Rear End	.....	100CC4	2006-2005	5.3L	
Ball Bearing ; Drive End	.....	203FF	Seal	.....	100085
<b>CRANKSHAFT FRONT SEAL</b>					
<b>4 Cylinder</b>					
1991-1990	138/2.3L				
Seal Viton	.....	320259			
<b>6 Cylinder</b>					
2006-1997	3.8L				
Seal Viton	.....	710162			
2003-1988	173/2.8L, 189/3.1L, 207/3.4L				
Repair Sleeve	.....	99176			
Seal	.....	9845			
<b>CRANKSHAFT REAR SEAL</b>					
<b>4 Cylinder</b>					
1991-1990	138/2.3L				
Seal	.....	40375			

## PONTIAC- FRONT DRIVE - J2000, Sunbird

<b>FRONT WHEEL</b>			<b>CLUTCH(cont)</b>		
1994-1985	All		<b>Release Bearing(cont)</b>		
Hub Assembly	.....	513017K <sup>96</sup>	1993-1983	4 Cyl 5 Spd, (w/o Quad4 & Turbo)	
1984	(10mm Holes in Mtg. Flg.)		Bearing Assembly	.....	614108
Hub Assembly	.....	513004K <sup>96</sup>	1986-1985	4 Cyl 1.8L 5 Spd Turbo	
1984	(12mm Holes in Mtg. Flg.)		Bearing Assembly	.....	614108
Hub Assembly	.....	513017K <sup>96</sup>	<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
1983-1982	All		<b>Output Shaft</b>		
Hub Assembly	.....	513004K <sup>96</sup>	1994-1982	(THM125C)	
<b>REAR WHEEL</b>			Repair Sleeve	.....	99139
1994-1992	All		Seal	.....	3543
Hub Assembly	.....	512001	<b>Selector Shaft Seal/Man. Shaft</b>		
1991-1982	All		1994-1982	(THM125C)	
Hub Assembly	.....	513012	Repair Sleeve	.....	8792S
<b>CLUTCH</b>			Seal	.....	
<b>Release Bearing</b>			<b>Torque Converter</b>		
1994-1991	6 Cyl 5 Spd		1994-1982	(THM125C)	
Bearing Assembly	.....	614069	Repair Sleeve	.....	4072N
1994-1987	4 Cyl 2.0L 5 Spd Turbo		Seal	.....	
Bearing Assembly	.....	614069			

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE - J2000, Sunbird (cont.)

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1986-1982	All	
Cup/Cone		A18

#### Output Shaft

1986-1982	All	
Repair Sleeve; LH		99139
Seal ; LH		3543
Cone/Cup ; RH		15101-15245
Cup/Cone; LH		A5

#### Selector Shaft Seal/Man. Shaft

1986-1982	All	
Seal		3667

#### Input Shaft

1986-1982	All	
Cone/Cup ; Rr		15101-15245
Seal ; Frt		3732S
Repair Sleeve; Frt		A4
Cup/Cone; Frt		

### 5-SPEED MANUAL TRANSAXLE

#### Output Shaft

1994-1983	All	
Repair Sleeve		99139
Seal		3543
Cone/Cup ; RH		32206
Cup/Cone; LH		A5

#### Selector Shaft Seal/Man. Shaft

1994-1983	All	
Seal		3667

#### Input Shaft

1994-1983	All	
Ball Bearing		222835
Repair Sleeve		
Seal		

### ALTERNATOR

1992-1987	(Delco)	
Ball Bearing ; Rear End		100CC4
1992-1982	(Delco)	
Ball Bearing ; Drive End		203FF

### CRANKSHAFT FRONT SEAL

1994-1982	112/1.8L, 122/2.0L, 151/2.5L	
Repair Sleeve		99176
Seal		9845

#### 6 Cylinder

1994-1991	189/3.1L	
Repair Sleeve		99176
Seal		9845

### CRANKSHAFT REAR SEAL

1994-1987	122/2.0L	
Repair Sleeve		99298
Seal		4307V
Seal PTFE H/D		5273

1986-1982	112/1.8L, 121/2.0L	
Seal Viton		710232

#### 6 Cylinder

1994-1991	189/3.1L	
Repair Sleeve		99298
Seal		4307V
Seal PTFE H/D		5273

## PONTIAC- FRONT DRIVE - Phoenix

### FRONT WHEEL

1984-1980	All	
Hub Assembly		513011K <sup>96</sup>

### REAR WHEEL

1984-1980	All	
Hub Assembly		513012

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

1984-1980	All	
Repair Sleeve		99139
Seal		3543

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Selector Shaft Seal/Man. Shaft

1984-1980	All	
Repair Sleeve		8792S
Seal		

#### Torque Converter

1984-1982	All	
Repair Sleeve		4072N
Seal		
1981-1980	All	
Repair Sleeve		99172
Seal		3583

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **PONTIAC- FRONT DRIVE - Phoenix (cont.)**

<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1984-1982	All	
Cup/Cone .....		A18
<b>Output Shaft</b>		
1984-1982	All	
Cone/Cup ; LH .....		15101-15245
Repair Sleeve .....		99139
Seal .....		3543
Cup/Cone; RH .....		A5
<b>Selector Shaft Seal/Man. Shaft</b>		
1984-1982	All	
Seal .....		3667
<b>Input Shaft</b>		
1986-1982	All	
Cone/Cup ; Rr .....		15101-15245
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1984-1980	151/2.5L	
Repair Sleeve .....		99300
Seal .....		3698
<b>6 Cylinder</b>		
1984-1980	173/2.8L	
Seal .....		5210
Seal Split .....		

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1984-1980	151/2.5L	
Repair Sleeve .....		99176
Seal .....		9845
<b>6 Cylinder</b>		
1984-1980	173/2.8L	
Repair Sleeve .....		99176
Seal .....		9845

## **PONTIAC- FRONT DRIVE - Sunfire**

<b>FRONT WHEEL</b>		
2005-1995	All	
Hub Assembly .....		513017K <sup>96</sup>
<b>REAR WHEEL</b>		
2005-2003	(Non-ABS)	
Hub Assembly .....		513012
2005-1995	(ABS)	
Hub Assembly .....		512001
<b>CLUTCH</b>		
<b>Release Bearing</b>		
1999-1997	Hydraulic Clutch	
Hyd. Bearing Assembly .....		619006
<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Output Shaft</b>		
2000-1995	(THM125C)	
Repair Sleeve .....		99139
Seal .....		3543

<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
2000-1995	(THM125C)	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
2000-1995	(THM125C)	
Repair Sleeve .....		4072N
Seal .....		
<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Torque Converter / Frt Pump</b>		
2005-1995	(4T40E)	
Repair Sleeve .....		4072N
Seal .....		
<b>Selector Shaft Seal/Man. Shaft</b>		
2005-1995	(4T40E)	
Repair Sleeve .....		8792S
Seal .....		

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE - Sunfire (cont.)

### 5-SPEED MANUAL TRANSAXLE

#### Output Shaft

2005-1995	All	
Repair Sleeve .....		99139
Seal .....		3543
Cone/Cup ; RH .....		32206
Cup/Cone; LH .....		A5

#### Selector Shaft Seal/Man. Shaft

2005-1995	All	
Repair Sleeve .....		8792S
Seal .....		

#### Input Shaft

2005-1995	All	
Ball Bearing .....		222835
Repair Sleeve .....		
Seal .....		

### CAMSHAFT SEAL

#### 4 Cylinder

1995	138/2.3L (DOHC)	
Seal Viton .....		713771

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

2002-1996	2.4L (DOHC)	
Seal Viton .....		320259

### CRANKSHAFT FRONT SEAL(cont)

#### 4 Cylinder(cont)

2002-1995	2.2L (OHV)	
Repair Sleeve .....		99176
Seal .....		9845
1995	2.3L (DOHC), 2.4L (DOHC)	
Seal Viton .....		320259

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2005-2002	2.2L (DOHC)	
Seal Viton .....		710237
2002-1995	138/2.3L, 146/2.4L	
Seal .....		40375
2002-1995	2.2L (OHV)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

## PONTIAC- FRONT DRIVE w/ AWD - 6000

### FRONT WHEEL

1991-1990	All	
Hub Assembly .....		513016K <sup>96</sup>
1989-1985	All	
Hub Assembly; Exc. JA2, J .....		513011K <sup>96</sup>
Hub Assembly; JA2, JA3, J .....		513016K <sup>96</sup>
1984-1982	All	
Hub Assembly; Exc. JA2, J .....		513011K <sup>96</sup>
Hub Assembly; JA2, JA3, B .....		513016K <sup>96</sup>

### REAR WHEEL

1991-1990	(FWD) (Non-ABS)	
Hub Assembly .....		513018
1990-1989	(4WD)	
Hub Assembly .....		513016K <sup>96</sup>
1990-1989	(ABS) (JL9 Brks.)	
Hub Assembly .....		513039
1989-1985	All	
Hub Assembly; Exc. JA2, J .....		513003
Hub Assembly; JA2, JA3, J .....		513018

### REAR WHEEL(cont)

1984-1983	All	
Hub Assembly; Exc. JA2, J .....		513003
Brks. ....		
1982	All	
Hub Assembly .....		513003

### AWD REAR AXLE

#### Differential

1990-1988	(AWD)	
Cup/Cone .....		A18

#### Pinion

1990-1988	(AWD)	
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		

### CLUTCH

#### Release Bearing

1991-1986	6 Cyl 5 Spd	
Bearing Assembly .....		614069
1991-1983	4 Cyl 5 Spd, (w/o Quad4 & Turbo)	
Bearing Assembly .....		614108

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE w/ AWD - 6000 (cont.)

### 3-SPEED AUTOMATIC TRANSAXLE

<b>Output Shaft</b>		
1991-1985	All	
Repair Sleeve	.....	99139
Seal	.....	3543
<b>Selector Shaft Seal/Man. Shaft</b>		
1991-1985	All	
Repair Sleeve	.....	8792S
Seal	.....	
<b>Torque Converter</b>		
1991-1985	All	
Repair Sleeve	.....	4072N
Seal	.....	

### 4-SPEED AUTOMATIC TRANSAXLE

<b>Torque Converter / Frt Pump</b>		
1991-1987	All	
Repair Sleeve	.....	4072N
Seal	.....	
<b>Output Shaft</b>		
1991-1987	(THM440 T4, 4T60, 4T60 E)	
Repair Sleeve; RH	.....	99139
Repair Sleeve; LH	.....	99139
Seal ; RH	.....	3543
Seal ; LH	.....	710096
<b>Selector Shaft Seal/Man. Shaft</b>		
1991-1985	All	
Repair Sleeve	.....	8792S
Seal	.....	

### 4-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
1988-1982	All	
Cup/Cone	.....	A18
<b>Output Shaft</b>		
1988-1982	All	
Cone/Cup ; LH	.....	15101-15245
Repair Sleeve	.....	99139
Seal	.....	3543
Cup/Cone; RH	.....	A5
<b>Selector Shaft Seal/Man. Shaft</b>		
1988-1982	All	
Seal	.....	3667
<b>Input Shaft</b>		
1988-1982	All	
Cone/Cup ; Rr	.....	15101-15245
Seal ; Frt	.....	3732S
Repair Sleeve; Frt	.....	A4
Cup/Cone; Frt	.....	

### 5-SPEED MANUAL TRANSAXLE

<b>Output Shaft</b>		
1991-1985	All	
Repair Sleeve	.....	99139
Seal	.....	3543
Cone/Cup ; RH	.....	32206
Cup/Cone; LH	.....	A5
<b>Selector Shaft Seal/Man. Shaft</b>		
1991-1985	All	
Seal	.....	3667
<b>Input Shaft</b>		
1991-1985	All	
Ball Bearing	.....	222835
Repair Sleeve	.....	
Seal	.....	

### TRANSFER CASE

<b>Rear Output Shaft</b>		
1990-1988	(O/S adj output)	
Cone/Cup	.....	M86649-M86610
1990-1988	(O/S adj pinion)	
Cone/Cup	.....	M88048-M88010

### ALTERNATOR

1991-1982	(Delco)	
Ball Bearing ; Rear End	.....	100CC4
Ball Bearing ; Drive End	.....	203FF

### CRANKSHAFT FRONT SEAL

<b>4 Cylinder</b>		
1991-1982	151/2.5L	
Repair Sleeve	.....	99176
Seal	.....	9845
<b>6 Cylinder</b>		
1991-1982	173/2.8L, 189/3.1L	
Repair Sleeve	.....	99176
Seal	.....	9845
1985-1982	260/4.3 (Diesel)	
Repair Sleeve	.....	99176
Seal	.....	9845

### CRANKSHAFT REAR SEAL

<b>4 Cylinder</b>		
1991-1982	151/2.5L	
Repair Sleeve	.....	99300
Seal	.....	3698
<b>6 Cylinder</b>		
1991-1985	173/2.8L, 189/3.1L	
Repair Sleeve	.....	99298
Seal	.....	4307V
Seal PTFE H/D	.....	5273
1985-1982	260/4.3 (Diesel)	
Seal Rope	.....	5095
1984-1982	173/2.8L	
Seal	.....	5210

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- FRONT DRIVE w/ AWD - Vibe, Vibe AWD

### FRONT WHEEL

2007-2003	All	
Ball Bearing .....		510070

### REAR WHEEL

2007-2003	(Non-ABS)	
Hub Assembly .....		512218

### 5-SPEED MANUAL TRANSAXLE

#### Input Shaft

2006-2003	All	
Repair Sleeve .....		99098
Seal .....		320603

### 6-SPEED MANUAL TRANSAXLE

#### Input Shaft

2006-2003	All	
Repair Sleeve .....		99098
Seal .....		320603

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

2006-2003	1.8L (DOHC)	
Seal .....		223800

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2006-2003	1.8L (DOHC) (w/ H.O.)	
Seal .....		716102

## PONTIAC- FRONT DRIVE w/ AWD - Vibe, Vibe AWD (cont.)

### CRANKSHAFT REAR SEAL(cont)

#### 4 Cylinder(cont)

2006-2003	1.8L (DOHC) (w/o H.O.)	
Repair Sleeve .....		99300
Seal .....		3698

## PONTIAC- REAR DRIVE - Astre, Sunbird

### FRONT WHEEL

1980	All	
Seal ; Inner .....		8705S
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A1

### REAR WHEEL

1980	All	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

### REAR AXLE

#### Differential

1980	(7.5" R.G.)	
Cone/Cup .....		LM501349-LM501314

#### Pinion

1980	(7.5" R.G.)	
Cone/Cup .....		HM88649-HM88610
Repair Sleeve .....		99152
Seal .....		8611N

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1980	All	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### Selector Shaft Seal/Man. Shaft

1980	All	
Repair Sleeve .....		340847
Seal .....		

#### Torque Converter

1980	(THM350, 350C)	
Repair Sleeve .....		99187
Seal .....		6712NA

### 4-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

1980	All	
Repair Sleeve .....		240735
Seal .....		

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **PONTIAC- REAR DRIVE - Astre, Sunbird (cont.)**

<b>4-SPEED MANUAL TRANSMISSION(cont)</b>			<b>CRANKSHAFT FRONT SEAL</b>		
<b>Input Shaft</b>			<b>4 Cylinder</b>		
1980	All		1980	151/2.5L	
	Ball Bearing .....	207SLB		Repair Sleeve .....	99176
	Repair Sleeve .....	99125		Seal .....	9845
	Seal .....	7412S	<b>6 Cylinder</b>		
<b>Rear Output Shaft</b>			<b>8 Cylinder</b>		
1980	All		1980	231/3.8L	
	Ball Bearing .....	99149		Seal .....	710163
	Repair Sleeve .....	9613S	<b>8 Cylinder</b>		
	Seal .....	5200	1980	All	
	Seal Kit .....			Repair Sleeve .....	99176
<b>ALTERNATOR</b>				Seal .....	9845
1980	(Delco)		<b>CRANKSHAFT REAR SEAL</b>		
	Ball Bearing ; Drive End .....	203S	<b>6 Cylinder</b>		
	Needle Bearing; Rear End .....	MNJ471S	1980	231/3.8L	
<b>POWER STEERING</b>				Seal .....	5591
<b>Pump Shaft</b>			<b>8 Cylinder</b>		
1980	All		1980	All	
	Seal .....	480821		Seal .....	5092
<b>Worm Shaft</b>					
1980	(800 Gear) (4 bolt side cover)				
	Seal .....	351267			
<b>Pitman Shaft</b>					
1980	(800 Gear) (4 bolt side cover)				
	Seal ; Inner .....	471413			
	Seal ; Outer .....	7412S			
	Seal Kit .....	PSK1			
	Repair Sleeve; Outer .....	99125			
<b>MANUAL STEERING</b>					
<b>Worm Shaft</b>					
1980	All				
	Seal .....	7013S			
<b>Pitman Shaft</b>					
1980	All				
	Seal .....	313842			

## **PONTIAC- REAR DRIVE - Bonneville (Thru 81), Catalina, Chieftain, Executive Grand Safari, Grandville, Parisienne, Safari, Star Chief, 2+2**

<b>FRONT WHEEL</b>			<b>FRONT WHEEL(cont)</b>		
1986-1983	Parisienne, Safari		1981-1980	All	
	Seal ; Inner .....	8871		Seal ; Inner .....	8871
	Cup/Cone; Inner .....	A6		Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A3		Cup/Cone; Outer .....	A3

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC- REAR DRIVE - Bonneville (Thru 81), Catalina, Chieftain, Executive Grand Safari, Grandville, Parisienne, Safari, Star Chief, 2+2 (cont.)</b>					

## REAR WHEEL

<b>1989-1980</b>	<b>(Wagon or Pontiac Axle)</b>	
Seal .....		8835S
Cyl. Bearing .....		6408
Optional Repair Bearing .....		RP6408 <sup>91</sup>
<b>1986-1980</b>	<b>(Exc. Wagon or Pontiac Axle)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

## REAR AXLE

<b>Differential</b>		
<b>1988-1985</b>	<b>(7.75" R.G.)</b>	
Cone/Cup .....		LM102949-LM102911
<b>1988-1980</b>	<b>(7.5", 7.625", 8.5" R.G.) ( B, C, G, K, O Axle)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1981-1980</b>	<b>(8.75", 8.875" R.G.) (P, M Axle)</b>	
Cup/Cone .....		A36
<b>Pinion</b>		
<b>1988-1982</b>	<b>(7.5" R.G.)</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210
<b>1986-1980</b>	<b>(8.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1981-1980</b>	<b>(7.5" R.G.)</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89449-HM89410
<b>1981-1980</b>	<b>(8.75" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

## 3-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
<b>1989-1980</b>	<b>(w/o THM400)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1989-1980</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

## 3-SPEED AUTOMATIC TRANSMISSION(cont)

<b>Torque Converter</b>		
<b>1989-1980</b>	<b>(THM200)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1984-1980</b>	<b>(w/o THM200)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
<b>1989-1983</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1989-1983</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
<b>1989-1983</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227

## POWER STEERING

<b>Pump Shaft</b>		
<b>1989-1980</b>	<b>All</b>	
Seal .....		7013S
<b>Worm Shaft</b>		
<b>1989-1980</b>	<b>All</b>	
Seal .....		222025
<b>Pitman Shaft</b>		
<b>1989-1982</b>	<b>(800 Gear) (4 bolt side cover)</b>	
Seal ; Inner .....		471413
Seal ; Outer .....		7412S
Seal Kit .....		PSK1
Repair Sleeve; Outer .....		99125
<b>1981-1980</b>	<b>(605 Gear) (round side cover)</b>	
Seal .....		710285
<b>1981-1980</b>	<b>(800 Gear) (4 bolt side cover)</b>	
Seal ; Inner .....		471413
Seal ; Outer .....		7412S
Seal Kit .....		PSK1
Repair Sleeve; Outer .....		99125

## CRANKSHAFT FRONT SEAL

<b>6 Cylinder</b>		
<b>1986</b>	<b>231/3.8L</b>	
Seal Viton .....		710162
<b>1986-1985</b>	<b>262/4.3L</b>	
Repair Sleeve .....		99176
Seal .....		9845

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC- REAR DRIVE - Bonneville (Thru 81), Catalina, Chieftain, Executive Grand Safari, Grandville, Parisienne, Safari, Star Chief, 2+2 (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1985-1980	231/3.8L	
Seal	.....	710163
1983	229/3.8L	
Repair Sleeve	.....	99176
Seal	.....	9845
<b>8 Cylinder</b>		
1989-1980	307/5.0L, 350/5.7L, 350/5.7 (Diesel)	
Repair Sleeve	.....	99199
Seal	.....	472082
1986-1980	267/4.4L, 305/5.0L, 350/5.7L	
Repair Sleeve	.....	99176
Seal	.....	9845
1981-1980	265/4.3L, 301/4.9	
Seal	.....	332062
<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1986	262/4.3L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1986-1980	231/3.8L	
Seal	.....	5591
Seal PTFE H/D	.....	5291
1985	262/4.3L	
Seal	.....	5092
1983	229/3.8L	
Seal	.....	5092

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder</b>		
1989-1980	307/5.0L, 350/5.7L, 350/5.7 (Diesel)	
Seal Rope	.....	5095
1986	305/5.0L, 350/5.7L	
Seal Viton	.....	4359V
Repair Sleeve	.....	99364
Seal PTFE H/D	.....	
1985-1981	267/4.4L, 305/5.0, 350/5.7	
Seal	.....	5092
1980	350/5.7L (R) (X)	
Seal	.....	5591

## PONTIAC- REAR DRIVE - Fiero

<b>FRONT WHEEL</b>		
1987-1984	All	
Seal ; Inner	.....	3357
Cup/Cone; Inner	.....	A4
Cup/Cone; Outer	.....	A1
<b>REAR WHEEL</b>		
1988-1984	All	
Hub Assembly	.....	513011K <sup>96</sup>
<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Output Shaft</b>		
1988-1984	All	
Repair Sleeve	.....	99139
Seal	.....	3543
Seal Kit	.....	PSK1

<b>3-SPEED AUTOMATIC TRANSAXLE(cont)</b>		
<b>Selector Shaft Seal/Man. Shaft</b>		
1988-1984	All	
Repair Sleeve	.....	8792S
Seal	.....	
<b>Torque Converter</b>		
1988-1984	All	
Repair Sleeve	.....	4072N
Seal	.....	
<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1986-1984	All	
Cup/Cone	.....	A18

<sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **PONTIAC- REAR DRIVE - Fiero (cont.)**

### **4-SPEED MANUAL TRANSAXLE(cont)**

#### **Output Shaft**

<b>1986-1984</b>	<b>All</b>	
Repair Sleeve .....		99139
Seal .....		3543
Cone/Cup ; RH .....	15101-15245	
Cup/Cone; LH .....		A5

#### **Selector Shaft Seal/Man. Shaft**

<b>1986-1984</b>	<b>All</b>	
Seal .....		3667

#### **Input Shaft**

<b>1986-1984</b>	<b>All</b>	
Cone/Cup ; Rr .....	15101-15245	
Seal ; Frt .....		3732S
Repair Sleeve; Frt .....		A4
Cup/Cone; Frt .....		

### **5-SPEED MANUAL TRANSAXLE**

#### **Differential**

<b>1988-1986</b>	<b>(Getrag)</b>	
Cup/Cone .....		A18
<b>1988-1985</b>	<b>(Isuzu )</b>	
Cone/Cup .....		32008

#### **Output Shaft**

<b>1988-1986</b>	<b>(Getrag)</b>	
Repair Sleeve .....		99139
Seal .....		3543
<b>1988-1985</b>	<b>(Isuzu )</b>	
Repair Sleeve .....		99139
Seal .....		3543
Cone/Cup ; RH .....		32206
Cup/Cone; LH .....		A5

#### **Selector Shaft Seal/Man. Shaft**

<b>1988-1985</b>	<b>All</b>	
Seal .....		3667

#### **Input Shaft**

<b>1988-1986</b>	<b>(Getrag)</b>	
Ball Bearing .....		305DD
<b>1988-1985</b>	<b>(Isuzu )</b>	
Cone/Cup ; Rr .....		30306
Cone/Cup ; Frt .....		32206
Seal ; Frt .....		222835
Repair Sleeve; Frt .....		

### **CRANKSHAFT FRONT SEAL**

#### **4 Cylinder**

<b>1988-1984</b>	<b>151/2.5L</b>	
Repair Sleeve .....		99176
Seal .....		9845

#### **6 Cylinder**

<b>1988-1985</b>	<b>173/2.8L</b>	
Repair Sleeve .....		99176
Seal .....		9845

### **CRANKSHAFT REAR SEAL**

#### **4 Cylinder**

<b>1988-1984</b>	<b>151/2.5L</b>	
Repair Sleeve .....		99300
Seal .....		3698

#### **6 Cylinder**

<b>1988-1985</b>	<b>173/2.8L (2nd design)</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>1985</b>	<b>173/2.8L (1st design)</b>	
Seal .....		5210

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC- REAR DRIVE - Firebird, Formula, Trans-Am, GTA</b>					

<b>FRONT WHEEL</b>		
<b>2002-1993</b>	<b>All</b>	
Hub Assembly .....		513090
<b>1992-1988</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34
<b>1987-1982</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34
<b>1981-1980</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

<b>REAR WHEEL</b>		
<b>2002-1992</b>	<b>All</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>11</sup>
<b>1991-1985</b>	<b>(7.75" R.G.)</b>	
Seal ; RH .....		710179
Seal ; LH .....		224255
Wheel Brg .....		A9
<b>1991-1980</b>	<b>(Exc. 7.75" R.G.)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>11</sup>

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>2002-1980</b>	<b>(7.5", 7.625", 8.5" R.G.) ( B, C, G, K, O Axle)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1981-1980</b>	<b>(8.75", 8.875" R.G.) (P, M Axle)</b>	
Cup/Cone .....		A36
<b>Pinion</b>		
<b>2002-1982</b>	<b>(7.5" R.G., 7.625" R.G.)</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210
<b>1991-1985</b>	<b>(7.75" R.G.)</b>	
Seal .....		7457N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89446-HM89410
<b>1981-1980</b>	<b>(8.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

<b>REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
<b>1981-1980</b>	<b>(8.75" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
<b>1999-1994</b>	<b>8 Cyl</b>	
Ball Bearing .....		57080
<b>1996-1982</b>	<b>6 Cyl</b>	
Bushing .....		PB652HD
<b>1993-1980</b>	<b>8 Cyl</b>	
Bushing .....		PB656HD
<b>Release Bearing</b>		
<b>2002-1998</b>	<b>346/5.7L (GEN II)</b>	
Bearing Assembly .....		614174
<b>2002-1996</b>	<b>6 Cyl 231ci/3.8L</b>	
Bearing Assembly .....		614174
<b>1997-1993</b>	<b>8 Cyl 350ci/5.7L</b>	
Bearing Assembly .....		614116
<b>1995-1985</b>	<b>6 Cyl</b>	
Bearing Assembly .....		614083
<b>1992-1985</b>	<b>8 Cyl 305ci/5.0L</b>	
Bearing Assembly .....		614083

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1989-1980</b>	<b>(w/o THM400)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1989-1980</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
<b>1989-1980</b>	<b>(THM200)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1981-1980</b>	<b>(w/o THM200)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>2002-1983</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

<sup>11</sup> Exc Traction Control

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **PONTIAC- REAR DRIVE - Firebird, Formula, Trans-Am, GTA (cont.)**

### **4-SPEED AUTOMATIC TRANSMISSION(cont)**

#### **Selector Shaft Seal/Man. Shaft**

<b>2002-1983 All</b>	
Repair Sleeve .....	8792S
Seal .....	

#### **Torque Converter**

<b>2002-1994 All</b>	
Repair Sleeve .....	99174
Seal .....	3227
<b>1993-1983 All</b>	
Repair Sleeve .....	99174
Seal .....	3227

### **3-SPEED MANUAL TRANSMISSION**

#### **Selector Shaft Seal/Man. Shaft**

<b>1981-1980 All</b>	
Repair Sleeve .....	240735
Seal .....	

#### **Front Input Shaft**

<b>1981-1980 (Saginaw)</b>	
Ball Bearing .....	207SLB
Repair Sleeve .....	99125
Seal .....	7412S

#### **Rear Output Shaft**

<b>1981-1980 (Saginaw)</b>	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	

### **4-SPEED MANUAL TRANSMISSION**

#### **Selector Shaft Seal/Man. Shaft**

<b>1984-1980 (Saginaw)</b>	
Repair Sleeve .....	240735
Seal .....	
<b>1984-1980 (Warner)</b>	
Seal .....	7399S

#### **Input Shaft**

<b>1984-1983 (Warner)</b>	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5
<b>1984-1980 (Saginaw)</b>	
Ball Bearing .....	207SLB
Repair Sleeve .....	99125
Seal .....	7412S
<b>1982-1980 (Warner)</b>	
Ball Bearing .....	99125
Repair Sleeve .....	7412S
Seal .....	

### **4-SPEED MANUAL TRANSMISSION(cont)**

#### **Rear Output Shaft**

<b>1984-1983 (Warner)</b>	
Cone/Cup .....	25877-25821
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200
<b>1984-1980 (Saginaw)</b>	
Ball Bearing .....	99149
Repair Sleeve .....	9613S
Seal .....	5200
Seal Kit .....	
<b>1982-1980 (Warner 32 spline)</b>	
Ball Bearing .....	1307L
Seal .....	472572

### **5-SPEED MANUAL TRANSMISSION**

#### **Front Input Shaft**

<b>2001-1982 All</b>	
Repair Sleeve .....	99125
Seal .....	7412S
Cup/Cone .....	A5

#### **Rear Output Shaft**

<b>1996-1988 All</b>	
Cone/Cup .....	25877-25821
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

#### **Countershaft**

<b>2000-1988 All</b>	
Cone/Cup ; Frt .....	A6
Cup/Cone; Rr .....	

### **6-SPEED MANUAL TRANSMISSION**

#### **Front Input Shaft**

<b>2001-1993 All</b>	
Repair Sleeve .....	99125
Seal .....	7412S

#### **Rear Output Shaft**

<b>2001-1993 All</b>	
Repair Sleeve .....	99149
Seal .....	9613S
Seal Kit .....	5200

### **ALTERNATOR**

<b>2001-1992 (Delco 140 Amp.)</b>	
Ball Bearing ; Rear End .....	100CC4
<b>1990-1983 (Delco)</b>	
Ball Bearing ; Drive End .....	203FF
<b>1982-1980 (Delco)</b>	
Ball Bearing ; Drive End .....	203S

### **POWER STEERING**

#### **Pump Shaft**

<b>1987-1980 All</b>	
Seal .....	7013S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC- REAR DRIVE - Firebird, Formula, Trans-Am, GTA (cont.)</b>					

<b>POWER STEERING(cont)</b>		
<b>Worm Shaft</b>		
1987-1980	All	
Seal .....		222025
<b>Pitman Shaft</b>		
1987-1982	All	
Seal Kit .....		PSK1
1981-1980	(605 Gear) (round side cover)	
Seal .....		710285
1981-1980	(800 Gear) (4 bolt side cover)	
Seal ; Inner .....		471413
Seal ; Outer .....		7412S
Seal Kit .....		PSK1
Repair Sleeve; Outer .....		99125

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1986-1982	All	
Repair Sleeve .....		99176
Seal .....		9845
<b>6 Cylinder</b>		
2002-1989	3.8L	
Seal Viton .....		710162
1995-1993	201/3.4L	
Repair Sleeve .....		99176
Seal .....		9845
1995-1982	173/2.8L, 189/3.1L, 207/3.4L	
Repair Sleeve .....		99176
Seal .....		9845
1981-1980	231/3.8L	
Seal .....		710163
<b>8 Cylinder</b>		
1997-1980	305/5.0L, 350/5.7L	
Repair Sleeve .....		99176
Seal .....		9845
1981-1980	265/4.3L, 301/4.9	
Seal .....		332062

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1986-1982	151/2.5L	
Repair Sleeve .....		99300
Seal .....		3698
<b>6 Cylinder</b>		
2002-1995	3.8L	
Seal Viton .....		320691
1995-1993	201/3.4L	
Repair Sleeve .....		99298
Seal .....		4307V
1989	231/3.8L	
Seal .....		5591
Seal PTFE H/D .....		5291

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1989-1985	173/2.8L (2nd design)	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
1984-1982	173/2.8L (1st design)	
Seal .....		5210
1981-1980	231/3.8L	
Seal .....		5591
Seal PTFE H/D .....		5291
<b>8 Cylinder</b>		
2002-1998	346/5.7L (GEN III)	
Seal .....		100085
1997-1986	305/5.0L, 350/5.7L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1985-1980	305/5.0L	
Seal .....		5092

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC- REAR DRIVE - Grand Am, Grand Prix, GTO, LeMans, Mid Size</b>					
<b>Bonneville (82+), Tempest</b>					

## FRONT WHEEL

<b>1986-1982</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A34
<b>1981-1980</b>	<b>All</b>	
Seal ; Inner .....		8871
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A3

## REAR WHEEL

<b>1988-1980</b>	<b>(7.5" R.G.)</b>	
Seal .....		8660S
Cyl. Bearing .....		5707
Optional Repair Bearing .....		RP5707 <sup>91</sup>

## REAR AXLE

### Differential

<b>1988-1985</b>	<b>(7.75" R.G.)</b>	
Cone/Cup .....		LM102949-LM102911
<b>1988-1980</b>	<b>(7.5", 7.625", 8.5" R.G.) ( B, C, G, K, O Axle)</b>	
Cone/Cup .....		LM501349-LM501314
<b>1981-1980</b>	<b>(8.75", 8.875" R.G.) (P, M Axle)</b>	
Cup/Cone .....		A36

### Pinion

<b>1986-1982</b>	<b>(7.5" R.G.)</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89249-HM89210
<b>1981-1980</b>	<b>(7.5" R.G.)</b>	
Repair Sleeve .....		99152
Seal .....		8611N
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM89449-HM89410
<b>1981-1980</b>	<b>(8.5" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011
<b>1981-1980</b>	<b>(8.75" R.G.)</b>	
Repair Sleeve .....		99193
Seal .....		2043
Cone/Cup ; Outer .....		M88048-M88010
Cone/Cup ; Inner .....		M802048-M802011

## CLUTCH

### Pilot Bearing

<b>2006-2004</b>	<b>8 Cyl 346ci/5.7L, 364ci/6.0L</b>	
Ball Bearing .....		57080
<b>1981-1980</b>	<b>8 Cyl 301ci/4.9L</b>	
Ball Bearing .....		7109

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1987-1980</b>	<b>(w/o THM400)</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

<b>1987-1980</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>1987-1980</b>	<b>(THM200)</b>	
Repair Sleeve .....		99174
Seal .....		3227
<b>1984-1980</b>	<b>(w/o THM200)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1989-1983</b>	<b>All</b>	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### Selector Shaft Seal/Man. Shaft

<b>1989-1983</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

### Torque Converter

<b>1989-1983</b>	<b>All</b>	
Repair Sleeve .....		99174
Seal .....		3227

## POWER STEERING

### Pump Shaft

<b>1987-1980</b>	<b>All</b>	
Seal .....		7013S

### Worm Shaft

<b>1987-1980</b>	<b>All</b>	
Seal .....		222025

### Pitman Shaft

<b>1987-1982</b>	<b>All</b>	
Seal Kit .....		PSK1
<b>1981-1980</b>	<b>(605 Gear) (round side cover)</b>	
Seal .....		710285
<b>1981-1980</b>	<b>(800 Gear) (4 bolt side cover)</b>	
Seal ; Inner .....		471413
Seal ; Outer .....		7412S
Seal Kit .....		PSK1
Repair Sleeve; Outer .....		99125

<sup>91</sup> Replaces Brg & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC- REAR DRIVE - Grand Am, Grand Prix, GTO, LeMans, Mid Size Bonneville (82+), Tempest (cont.)</b>					

<b>CRANKSHAFT FRONT SEAL</b>		
<b>6 Cylinder</b>		
1987-1986	231/3.8L	
Seal Viton .....		710162
1987-1986	262/4.3L	
Repair Sleeve .....		99176
Seal .....		9845
1985-1980	231/3.8L	
Seal .....		710163
1982	252/4.1L	
Repair Sleeve .....		99199
Seal .....		471424
1981-1980	229/3.8L	
Repair Sleeve .....		99176
Seal .....		9845
<b>8 Cylinder</b>		
1987-1980	267/4.4, 305/5.0L, 350/5.7L (L)	
Repair Sleeve .....		99176
Seal .....		9845
1984-1981	350/5.7L (Diesel)	
Repair Sleeve .....		99199
Seal .....		472082
1981-1980	265/4.3L, 301/4.9	
Seal .....		332062

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
1987-1986	262/4.3L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder(cont)</b>		
1987-1980	231/3.8L, 252/4.1L	
Seal .....		5591
Seal PTFE H/D .....		5291
1981-1980	229/3.8L	
Seal .....		5092
<b>8 Cylinder</b>		
1987-1986	305/5.0L, 350/5.7L	
Seal Viton .....		4359V
Repair Sleeve .....		99364
Seal PTFE H/D .....		
1985-1980	267/4.4L, 305/5.0L	
Seal .....		5092
1984-1980	350/5.7L (Diesel)	
Seal Rope .....		5095

## PONTIAC- REAR DRIVE - GTO

<b>FRONT WHEEL</b>		
2006-2004	All	
Hub Assembly; RH .....		513218
Hub Assembly; LH .....		513217
<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
2006-2004	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200
<b>Selector Shaft Seal/Man. Shaft</b>		
2006-2004	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		8792S
Seal .....		

<b>4-SPEED AUTOMATIC TRANSMISSION(cont)</b>		
<b>Torque Converter</b>		
2006-2004	(4L60, 4L60E, 4L65E)	
Repair Sleeve .....		99174
Seal .....		3227
<b>6-SPEED MANUAL TRANSMISSION</b>		
<b>Front Input Shaft</b>		
2006-2004	(Tremec T56)	
Repair Sleeve .....		99125
Seal .....		7412S
<b>CRANKSHAFT REAR SEAL</b>		
<b>8 Cylinder</b>		
2006-2004	5.7L, 6.0L	
Seal .....		100085

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC- REAR DRIVE - T1000

### FRONT WHEEL

1987-1981	All	
Seal ; Inner .....		3357
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1

### REAR WHEEL

1987-1981	All	
Seal .....		3348
Cyl. Bearing .....		C5107EV

### REAR AXLE

#### Differential

1987-1981	All	
Cone/Cup .....		LM29749-LM29711

#### Pinion

1987-1981	All	
Seal .....		2440
Cone/Cup ; Outer .....		M84548-M84510
Cone/Cup ; Inner .....		M88047-M88010

### CLUTCH

#### Pilot Bearing

1985-1984	Diesel	
Ball Bearing .....		203FF

### 3-SPEED AUTOMATIC TRANSMISSION

#### Rear Seal/Ext. Housing

1987-1981	All	
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### Selector Shaft Seal/Man. Shaft

1987-1981	All	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

1987-1981	(Gas)	
Repair Sleeve .....		99187
Seal .....		6712NA
1985-1984	(Diesel)	
Repair Sleeve .....		99174
Seal .....		3227

### 4-SPEED MANUAL TRANSMISSION

#### Input Shaft

1987-1981	All	
Ball Bearing .....		206SL
Seal .....		483488

### 4-SPEED MANUAL TRANSMISSION(cont)

#### Rear Output Shaft

1987-1981	All	
Ball Bearing .....		206L
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

### 5-SPEED MANUAL TRANSMISSION

#### Front Input Shaft

1987-1982	(Warner)	
Repair Sleeve .....		99125
Seal .....		7412S
Cup/Cone .....		A5

#### 1986-1981 (Isuzu)

Ball Bearing .....		1990
Repair Sleeve .....		
Seal .....		

#### Rear Output Shaft

1987-1982	(Warner)	
Cone/Cup .....		25877-25821
Repair Sleeve .....		99149
Seal .....		9613S
Seal Kit .....		5200

#### 1986-1981 (Isuzu)

Seal .....		1987
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### ALTERNATOR

1987-1984	(Delco)	
Ball Bearing ; Drive End .....		203FF
Needle Bearing; Rear End .....		MNJ471S

### POWER STEERING

#### Pump Shaft

1987-1981	All	
Seal .....		7013S

#### Worm Shaft

1987-1981	All	
Seal .....		222025

#### Pitman Shaft

1987-1981	All	
Seal Kit .....		PSK1

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1987-1981	98/1.6L	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1987-1981	98/1.6L	
Repair Sleeve .....		99300
Seal .....		3698

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## **PONTIAC IMPORT- FRONT DRIVE - Firefly, Optima, Sunburst**

### **FRONT WHEEL**

<b>1994-1989</b>	<b>Firefly</b>	
Seal ; Inner .....		710394
Seal ; Outer .....		710175
Ball Bearing ; Inner .....		510001
<b>1988-1987</b>	<b>Firefly (Turbo)</b>	
Seal ; Inner .....		710394
Seal ; Outer .....		710175
Ball Bearing ; Inner .....		510001
<b>1988-1985</b>	<b>Firefly (Late 1985 on)</b>	
Ball Bearing .....		107DD
Seal ; Inner .....		224462
<b>1988-1985</b>	<b>Sunburst</b>	
Seal .....		710098
Wheel Brg .....		517006
<b>1985</b>	<b>Firefly (Early 1985)</b>	
Ball Bearing .....		107
Seal ; Inner .....		224462

### **REAR WHEEL**

<b>1991-1985</b>	<b>Firefly</b>	
Ball Bearing ; Inner .....		205F
Ball Bearing ; Outer .....		204F
<b>1988-1985</b>	<b>Sunburst (Canada)</b>	
Seal ; Inner .....		710309
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1

### **CLUTCH**

#### **Release Bearing**

<b>1991-1989</b>	<b>Firefly (Canada)</b>	
Bearing Assembly .....		614082
<b>1991-1988</b>	<b>Optima 5 Spd</b>	
Bearing Assembly .....		614171

### **ALTERNATOR**

<b>1997-1985</b>	<b>(Nippondenso)</b>	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		302CC
<b>1991-1988</b>	<b>(Bosch)</b>	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF

### **CAMSHAFT SEAL**

#### **3 Cylinder**

<b>2000-1985</b>	<b>993cc/1.0L</b>	
Repair Sleeve .....		99128
Seal .....		710310

#### **4 Cylinder**

<b>2000-1994</b>	<b>1324cc/1.3L</b>	
Repair Sleeve .....		99128
Seal .....		710310
<b>1991-1988</b>	<b>1598cc/1.6</b>	
Seal Viton .....		1108
<b>1990-1989</b>	<b>1998cc/2.0L</b>	
Seal Viton .....		1108
<b>1988-1985</b>	<b>1471cc/1.5L</b>	
Seal .....		710308

### **CRANKSHAFT FRONT SEAL**

#### **3 Cylinder**

<b>2000-1985</b>	<b>993cc/1.0L</b>	
Repair Sleeve .....		99128
Seal .....		710310

#### **4 Cylinder**

<b>2000-1994</b>	<b>1324cc/1.3L</b>	
Repair Sleeve .....		99128
Seal .....		710310
<b>1991-1988</b>	<b>1598cc/1.6</b>	
Seal .....		710399
<b>1990-1989</b>	<b>1998cc/2.0L</b>	
Seal Viton .....		710164
<b>1988-1985</b>	<b>1471cc/1.5L</b>	
Seal .....		223220

### **CRANKSHAFT REAR SEAL**

#### **3 Cylinder**

<b>2000-1985</b>	<b>993cc/1.0L</b>	
Seal .....		710334

#### **4 Cylinder**

<b>2000-1994</b>	<b>1324cc/1.3L</b>	
Seal .....		710334
<b>1991-1988</b>	<b>1598cc/1.6</b>	
Seal Viton .....		228008
<b>1990-1989</b>	<b>1998cc/2.0L</b>	
Seal Viton .....		710237

## **PONTIAC IMPORT- FRONT DRIVE - Firefly, Optima, Sunburst (cont.)**

### **CRANKSHAFT REAR SEAL(cont)**

#### **4 Cylinder(cont)**

<b>1988-1985</b>	<b>1471cc/1.5L</b>	
Seal .....		228700

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC IMPORT- FRONT DRIVE - LeMans

<b>FRONT WHEEL</b>			<b>4-SPEED MANUAL TRANSAXLE</b>		
1993-1991	All		<b>Output Shaft</b>		
	Ball Bearing .....	B35	1993-1988	All	
1990-1989	1.6 L			Repair Sleeve .....	99139
	Ball Bearing .....	513113		Seal .....	3543
1990-1989	2.0L		<b>5-SPEED MANUAL TRANSAXLE</b>		
	Ball Bearing .....	B35	<b>Output Shaft</b>		
1988	All		1993-1988	All	
	Ball Bearing .....	B35		Repair Sleeve .....	99139
<b>REAR WHEEL</b>				Seal .....	3543
1993-1988	All		<b>ALTERNATOR</b>		
	Seal ; Inner .....	4175	1993-1988	(Nippondenso)	
	Cup/Cone; Inner .....	A15		Ball Bearing ; Rear End .....	201CC
	Cup/Cone; Outer .....	A1		Ball Bearing ; Drive End .....	302CC
<b>CLUTCH</b>			1991-1988	(Bosch)	
<b>Release Bearing</b>				Ball Bearing ; Rear End .....	201CC
1993-1988	4 Spd			Ball Bearing ; Drive End .....	203FF
	Bearing Assembly .....	614172	<b>CAMSHAFT SEAL</b>		
1993-1988	5 Spd		<b>4 Cylinder</b>		
	Bearing Assembly .....	614171	1993-1988	All	
<b>3-SPEED AUTOMATIC TRANSAXLE</b>				Seal Viton .....	1108
<b>Output Shaft</b>			<b>CRANKSHAFT FRONT SEAL</b>		
1993-1988	All		<b>4 Cylinder</b>		
	Repair Sleeve .....	99139	1993-1988	1598cc/1.6	
	Seal .....	3543		Seal .....	710399
<b>Selector Shaft Seal/Man. Shaft</b>			1990-1989	1998cc/2.0L	
1993-1988	All			Seal Viton .....	710164
	Repair Sleeve .....	8792S	<b>CRANKSHAFT REAR SEAL</b>		
	Seal .....		<b>4 Cylinder</b>		
<b>Torque Converter</b>			1993-1988	1598cc/1.6	
1993-1988	All			Seal Viton .....	228008
	Repair Sleeve .....	4072N	1990-1989	1998cc/2.0L	
	Seal .....			Seal Viton .....	710237

## PONTIAC TRUCK- SUV - Aztek

<b>FRONT WHEEL</b>			<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
2005-2003	(Non-ABS)		<b>Torque Converter / Frt Pump</b>		
	Hub Assembly .....	513235	2005-2001	(4T65 E)	
2005-2001	(ABS)			Repair Sleeve .....	4072N
	Hub Assembly .....	513121		Seal .....	
<b>REAR WHEEL</b>			<b>Output Shaft</b>		
2005-2003	(Non-ABS)		2005-2001	(4T65 E)	
	Hub Assembly .....	513018		Repair Sleeve; RH .....	99139
2005-2001	(ABS)			Repair Sleeve; LH .....	99139
	Hub Assembly .....	512237		Seal ; RH .....	3543
<b>4WD/AWD</b>				Seal ; LH .....	100165
2005-2001	All				
	Hub Assembly .....	513121			

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC TRUCK- SUV - Aztek (cont.)

<p><b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b></p> <p><b>Selector Shaft Seal/Man. Shaft</b></p> <p>2005-2001 (4T65 E)</p> <p>Repair Sleeve ..... 8792S</p> <p>Seal .....</p>	<p><b>CRANKSHAFT REAR SEAL</b></p> <p><b>6 Cylinder</b></p> <p>2005-2001 207/3.4L</p> <p>Repair Sleeve ..... 99298</p> <p>Seal ..... 4307V</p> <p>Seal PTFE H/D ..... 5273</p>
<p><b>POWER STEERING</b></p> <p><b>Pump Shaft</b></p> <p>2003-2001 All</p> <p>Seal ..... 7013S</p>	
<p><b>CRANKSHAFT FRONT SEAL</b></p> <p><b>6 Cylinder</b></p> <p>2005-2001 207/3.4L</p> <p>Repair Sleeve ..... 99176</p> <p>Seal ..... 9845</p>	

## PONTIAC TRUCK- SUV - Torrent

<p><b>FRONT WHEEL</b></p> <p>2007-2006 (ABS)</p> <p>Hub Assembly ..... 513189</p> <p>2007-2006 (Non-ABS)</p> <p>Hub Assembly ..... 513190</p>	<p><b>CRANKSHAFT FRONT SEAL</b></p> <p><b>6 Cylinder</b></p> <p>2006 3.4L</p> <p>Repair Sleeve ..... 99176</p> <p>Seal ..... 9845</p>
<p><b>REAR WHEEL</b></p> <p>2007-2006 (ABS)</p> <p>Hub Assembly ..... 512229</p> <p>2007-2006 (Non-ABS)</p> <p>Hub Assembly ..... 512230</p>	<p><b>CRANKSHAFT REAR SEAL</b></p> <p><b>6 Cylinder</b></p> <p>2006 3.4L</p> <p>Repair Sleeve ..... 99298</p> <p>Seal ..... 4307V</p> <p>Seal PTFE H/D ..... 5273</p>
<p><b>4WD/AWD</b></p> <p>2007-2006 All</p> <p>Hub Assembly ..... 512229</p>	

## PONTIAC TRUCK- MINIVAN, AWD MINIVAN - Montana SV6

<p><b>REAR WHEEL</b></p> <p>2005 (Indep. Rr. Susp.) (Triangular Flange)</p> <p>Hub Assembly ..... 513186</p>	<p><b>4-SPEED AUTOMATIC TRANSAXLE(cont)</b></p> <p><b>Output Shaft</b></p> <p>2006-2005 (4T65 E)</p> <p>Repair Sleeve; RH ..... 99139</p> <p>Repair Sleeve; LH ..... 99139</p> <p>Seal ; RH ..... 3543</p> <p>Seal ; LH ..... 100165</p>
<p><b>4-SPEED AUTOMATIC TRANSAXLE</b></p> <p><b>Torque Convertor / Frt Pump</b></p> <p>2006-2005 (4T65 E)</p> <p>Repair Sleeve ..... 4072N</p> <p>Seal .....</p>	<p><b>Selector Shaft Seal/Man. Shaft</b></p> <p>2006-2005 (4T65 E)</p> <p>Repair Sleeve ..... 8792S</p> <p>Seal .....</p>

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## PONTIAC TRUCK- MINIVAN, AWD MINIVAN - Montana SV6 (cont.)

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

<b>2006</b>	<b>3.9L</b>	
Repair Sleeve .....		99176
Seal .....		9845
<b>2006-2005</b>	<b>3.5L</b>	
Repair Sleeve .....		99176
Seal .....		9845

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

<b>2006</b>	<b>3.9L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

### CRANKSHAFT REAR SEAL(cont)

#### 6 Cylinder(cont)

<b>2006-2005</b>	<b>3.5L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273

## PONTIAC TRUCK- MINIVAN, AWD MINIVAN - Montana, Trans Sport

### FRONT WHEEL

<b>2005-1997</b>	<b>(ABS)</b>	
Hub Assembly .....		513121 <sup>94</sup>
<b>2003</b>	<b>(Non-ABS)</b>	
Hub Assembly .....		513160
<b>1996-1992</b>	<b>All</b>	
Hub Assembly .....		513087
<b>1991-1990</b>	<b>All</b>	
Hub Assembly .....		513016K <sup>96</sup>
Seal Kit .....		5698 <sup>95</sup>

### REAR WHEEL

<b>2004-1997</b>	<b>(Drum)</b>	
Hub Assembly .....		512078
<b>1996-1992</b>	<b>(Drum Brks.) (Auto Level)</b>	
Hub Assembly .....		512078
<b>1991-1990</b>	<b>All</b>	
Hub Assembly .....		513018

### 4WD/AWD

<b>2004-2002</b>	<b>All</b>	
Hub Assembly .....		513121

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

<b>1995-1990</b>	<b>All</b>	
Repair Sleeve .....		99139
Seal .....		3543

#### Selector Shaft Seal/Man. Shaft

<b>1995-1990</b>	<b>All</b>	
Repair Sleeve .....		8792S
Seal .....		

#### Torque Converter

<b>1995-1990</b>	<b>All</b>	
Repair Sleeve .....		4072N
Seal .....		

### 4-SPEED AUTOMATIC TRANSAXLE

#### Torque Converter / Frt Pump

<b>2005-1992</b>	<b>(4T65 E)</b>	
Repair Sleeve .....		4072N
Seal .....		

#### Output Shaft

<b>2005-1999</b>	<b>(4T65)</b>	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		100165
<b>1998-1992</b>	<b>(4T40E)</b>	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		710096

#### Selector Shaft Seal/Man. Shaft

<b>2005-1992</b>	<b>(4T65 E)</b>	
Repair Sleeve .....		8792S
Seal .....		

### ALTERNATOR

<b>1999-1992</b>	<b>(Delco)</b>	
Ball Bearing ; Rear End .....		100CC4
<b>1991-1990</b>	<b>(Delco)</b>	
Ball Bearing ; Drive End .....		203FF

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

<b>2005-1990</b>	<b>189/3.1L, 207/3.4L</b>	
Repair Sleeve .....		99176
Seal .....		9845
<b>1995-1992</b>	<b>231/3.8L</b>	
Seal Viton .....		710162

<sup>94</sup> Incl: Metal and Plastic Clip <sup>95</sup> Seal & O-Ring Kit, included w/ Hub Unit <sup>96</sup> Incl: Hub Unit, Nut & Seal

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PONTIAC TRUCK- MINIVAN, AWD MINIVAN - Montana, Trans Sport (cont.)</b>					

<b>CRANKSHAFT REAR SEAL</b>		
<b>6 Cylinder</b>		
<b>2005-1990</b>	<b>189/3.1L, 207/3.4L</b>	
Repair Sleeve .....		99298
Seal .....		4307V
Seal PTFE H/D .....		5273
<b>1995-1992</b>	<b>231/3.8L</b>	
Seal Viton .....		320691

## **PORSCHE- 911, 912, 914, 924, 928, 930, 944, 968, Boxster, Carrera, Cayenne, Cayman**

<b>FRONT WHEEL</b>		
<b>2005-1999</b>	<b>911 Carrera 2, 911 Turbo</b>	
Ball Bearing .....		513106
<b>2005-1997</b>	<b>Boxster</b>	
Ball Bearing .....		513106
<b>2001-1990</b>	<b>911 C2 (Exc. 4WD) (Turbo)</b>	
Ball Bearing .....		513106
<b>1995-1992</b>	<b>968</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A3
<b>1995-1986</b>	<b>928 (From Ch. # 861000)</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A3
<b>1991-1987</b>	<b>944</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A3
<b>1990-1980</b>	<b>911 (Exc. 930, SC, C4)</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1988-1987</b>	<b>924S</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1988-1980</b>	<b>911 SC</b>	
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1986-1983</b>	<b>944</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1986-1980</b>	<b>928 (Thru Ch. # 860999)</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A17
Cup/Cone; Outer .....		A16

<b>FRONT WHEEL(cont)</b>		
<b>1982-1980</b>	<b>924 (Turbo)</b>	
Seal ; Inner .....		1012N
Cup/Cone; Inner .....		A6
Cup/Cone; Outer .....		A2
<b>1982-1980</b>	<b>924 (w/o Turbo)</b>	
Seal ; Inner .....		1195
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1

<b>REAR WHEEL</b>		
<b>2005-2001</b>	<b>Boxster S</b>	
Ball Bearing .....		513180
<b>2005-2000</b>	<b>Boxster (Exc. S)</b>	
Ball Bearing .....		513106
<b>2005-1997</b>	<b>911 Ser.</b>	
Ball Bearing .....		513180
<b>2001-1990</b>	<b>911 (Turbo)</b>	
Ball Bearing .....		513180
<b>1999-1997</b>	<b>Boxster</b>	
Ball Bearing .....		513106
<b>1994-1992</b>	<b>968</b>	
Ball Bearing .....		513180
<b>1993-1985</b>	<b>911 C2, C4 (Exc. Turbo)</b>	
Ball Bearing .....		513180
<b>1991-1989</b>	<b>944 Ser.</b>	
Ball Bearing .....		513180
<b>1989-1980</b>	<b>911 (Turbo)</b>	
Cone/Cup ; Outer .....	JLM104948-JLM104910	
Cone/Cup ; Inner .....	LM503349A-LM503310	
Seal ; Inner .....		226520
<b>1988-1987</b>	<b>924S</b>	
Ball Bearing .....		513180
<b>1988-1983</b>	<b>944 Ser.</b>	
Seal ; Inner .....		224462
Ball Bearing ; Inner .....		RW101
<b>1984-1980</b>	<b>911 Carrera, SC</b>	
Ball Bearing .....		513180
<b>1982-1980</b>	<b>924</b>	
Seal .....		1012N
Cyl. Bearing .....		MA1206EF

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PORSCHE- 911, 912, 914, 924, 928, 930, 944, 968, Boxster, Carrera, Cayenne, Cayman (cont.)</b>					

## FRONT AXLE

### Differential

2000-1990 911 Carrera 4  
Cone/Cup ; RH ..... 30210

### Pinion

2000-1990 911 Carrera 4  
Cone/Cup ; Outer ..... M88048-M88010  
Cone/Cup ; Inner ..... HM89449-HM89410

## REAR AXLE

### Differential

1993-1992 968 (A/T)  
Cone/Cup ; LH ..... LM806649-LM806610  
Cone/Cup ; RH ..... LM300849-LM300811

1993-1992 968 (M/T)  
Cone/Cup ; LH ..... LM300849-LM300811  
Cone/Cup ; RH .....

1993-1990 911 C2 Coupe, C4 Coupe  
Cone/Cup ; LH ..... 30210

1991-1983 944 (A/T)  
Cone/Cup ..... LM300849-LM300811

1991-1983 944, 944 (Turbo) (M/T)  
Cone/Cup ; RH ..... LM300849-LM300811  
Cup/Cone; LH ..... A35

1988-1981 924 (5 Spd. Man.)  
Cone/Cup ; RH ..... LM300849-LM300811  
Cup/Cone; LH ..... A35

1988-1981 924 (A/T)  
Cone/Cup ; LH ..... LM300849-LM300811

1982-1980 924 (4 Spd. Man.)  
Cone/Cup ; RH ..... LM300849-LM300811  
Cup/Cone; LH ..... A35

1980 911 Carrera  
Cone/Cup ..... 32010X

1980 911 E, L, S, T  
Cone/Cup ..... 32010X

1980 911 SC  
Cone/Cup ..... 32010X

1980 924 (5 Spd. Man.)  
Cone/Cup ..... 32010X

1980 924 (Turbo) (5 Spd. Man.)  
Cone/Cup ..... 32010X

1980 928  
Cone/Cup ..... 32010X

### Pinion

1988-1983 944 (A/T)  
Cone/Cup ; Outer ..... M88048-M88010  
Cone/Cup ; Inner ..... M86649-M86610

1988-1980 924 (A/T)  
Cone/Cup ; Outer ..... M88048-M88010  
Cone/Cup ; Inner ..... M86649-M86610

## CLUTCH

### Release Bearing

1994-1992 968  
Bearing Assembly ..... 614132

## CLUTCH(cont)

### Release Bearing(cont)

1994-1987 911  
Bearing Assembly ..... 614137

1991-1983 944  
Bearing Assembly ..... 614132

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

1991-1980 (VW 087)  
Cone/Cup ..... LM300849-LM300811

### Pinion

1991-1980 (VW 087)  
Cone/Cup ; Outer ..... M86649-M86610  
Cone/Cup ; Inner ..... M88048-M88010  
Seal ; Inner ..... 222820  
Seal ; Outer ..... 1012N

### Output Shaft

1991-1980 (VW 087)  
Seal ..... 224520

### Torque Converter

1991-1980 (VW 087)  
Repair Sleeve ..... 99169  
Seal ..... 3083

## 5-SPEED MANUAL TRANSAXLE

### Differential

1997-1980 (Getrag G28, G50, G64)  
Cone/Cup ..... 32010X

1986-1980 915, 923  
Cone/Cup ..... 32010X

1985-1980 (VW 016)  
Cone/Cup ; RH ..... 32010X  
Cup/Cone; LH ..... A35

### Output Shaft

1997-1986 (Getrag G50, G64)  
Seal ..... 224560

1995-1980 (VW 016)  
Seal ..... 224520

1991-1980 (Getrag G28)  
Seal ..... 224820

1986-1980 915, 923  
Seal ..... 224560

### Input Shaft

1995-1980 (VW 016)  
Seal ..... 222540

## ALTERNATOR

1982-1980 (Bosch 75 Amp.)  
Ball Bearing ..... 200CC

## CAMSHAFT SEAL

### 4 Cylinder

1995-1986 2474cc/2.5L, 2980cc/3.0L  
Seal ..... 223020

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>PORSCHE- 911, 912, 914, 924, 928, 930, 944, 968, Boxster, Carrera, Cayenne, Cayman (cont.)</b>					

<b>CAMSHAFT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1988-1983	2474cc/2.5L	
Seal .....		223020
1982-1980	1984cc/2.0L	
Repair Sleeve .....		99128
Seal .....		3476
<b>8 Cylinder</b>		
1995-1985	4957cc/5.0L, 5397cc/5.4L	
Seal .....		223020
1984-1980	4474cc/4.5L, 4670cc/4.7L	
Seal .....		223020
<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
1989-1983	2474cc/2.5L	
Repair Sleeve .....		223830
Seal .....		
1982-1980	1984cc/2.0L	
Seal Viton .....		710331
<b>6 Cylinder</b>		
1999-1997	2480cc/2.5L	
Seal Viton .....		710196
1992-1984	3164cc/3.2L, 3299cc/3.3L	
Seal .....		226020
1983-1980	2994cc/3.0L	
Seal .....		223050
<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1989-1983	2474cc/2.5L, 2980cc/3.0L	
Seal .....		229010

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>6 Cylinder</b>		
2002-2001	3608cc/3.6L	
Seal .....		229010
1999-1997	2480cc/2.5L	
Seal .....		716102
1998-1980	2994cc/3.0L, 3164cc/3.2L, 3299cc/3.3L, 3608cc/3.6L	
Seal .....		229010
<b>8 Cylinder</b>		
1995-1980	4474cc/4.5L, 4670cc/4.7L, 4957cc/5.0L, 5397cc/5.4L	
Seal .....		229010

## RENAULT- Alliance, Encore, Fuego, GTA, Le'Car, R17, R18i

<b>FRONT WHEEL</b>		
1985-1983	R18, 18i Wagon	
Ball Bearing .....		513144K
1985-1982	Fuego	
Ball Bearing .....		513144K
1985-1980	LeCar R5	
Ball Bearing ; Inner .....		513005
Ball Bearing ; Outer .....		B37
<b>REAR WHEEL</b>		
1987-1983	Alliance (R9)	
Wheel Brg .....		513001
1986-1984	Encore, GTA (R11)	
Wheel Brg .....		513001

<b>REAR WHEEL(cont)</b>		
1986-1984	R18i, Sport Wgn	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30205
1985-1982	Fuego (Turbo)	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30205
1985-1982	Fuego (w/o Turbo)	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30205
Seal ; Inner .....		1906

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## RENAULT- Alliance, Encore, Fuego, GTA, Le'Car, R17, R18i (cont.)

### REAR WHEEL(cont)

1983-1981	R18, 18i Wagon	
	Cone/Cup ; Outer .....	30204
	Cone/Cup ; Inner .....	30205
	Seal ; Inner .....	1906
1983-1980	LeCar (R5)	
	Cone/Cup ; Inner .....	1906
	Seal ; Inner .....	

### CLUTCH

#### Pilot Bearing

1986-1981	4 Cyl 1.6L, 2.2L	
	Ball Bearing .....	203FF

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1986-1981	(MJ3, 4139)	
	Cone/Cup .....	30207

#### Torque Converter

1987-1983	(MB1, MB3, MJ3)	
	Seal .....	224266
1983-1981	-4139	
	Seal Viton .....	716484

### 4-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

1983-1980	354	
	Seal .....	710197

#### Input Shaft

1983-1980	354	
	Repair Sleeve .....	221710
	Seal .....	

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1983-1980	354	
	Cone/Cup .....	30207

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1986-1981	(NG0, NG1, NG3)	
	Cone/Cup ; LH .....	30207

#### Countershaft

1983-1981	(NG0)	
	Cone/Cup ; Rr .....	30205

### ALTERNATOR

1987-1983	Ducellier 60 & 70 Amp.	
	Ball Bearing ; Rear End .....	200CC
	Ball Bearing ; Drive End .....	204FF
1985-1983	Ducellier 50 Amp.	
	Ball Bearing ; Rear End .....	200CC
	Ball Bearing ; Drive End .....	203FF

### CAMSHAFT SEAL

#### 4 Cylinder

1987-1985	1721cc/1.7L, 1965cc/2.0L	
	Seal ; Frt .....	222267
	Seal ; Rr .....	
1987-1980	1397cc/1.4L	
	Seal .....	223010
1986-1984	2165cc/2.2L	
	Repair Sleeve .....	99139
	Seal .....	1172
1984-1982	1565cc/1.6L	
	Seal .....	223230

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1987-1984	1721cc/1.7L, 1965cc/2.0L, 2165cc/2.2L	
	Seal Viton .....	225020
1987-1980	1397cc/1.4L	
	Repair Sleeve .....	99139
	Seal .....	3771
1984-1981	1565cc/1.6L, 1647cc/1.6L	
	Seal .....	224520

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

1987-1985	1721cc/1.7L, 1965cc/2.0L	
	Seal .....	716102
1987-1980	1397cc/1.4L, 1565cc/1.6L, 1647cc/1.6L	
	Seal .....	228010
1986-1984	2165cc/2.2L	
	Seal Viton .....	229005

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ROLLS ROYCE- includes BENTLEY chassis - Camargue, Corniche, Corniche II, Corniche S, Silver Spirit, Silver Spur</b>					

<b>FRONT WHEEL</b>		
<b>1992-1981</b>	<b>Silver Spirit</b>	
	Cone/Cup ; Inner .....	LM29749-LM29710
	Cup/Cone; Outer .....	A4
<b>1992-1981</b>	<b>Silver Spur</b>	
	Cone/Cup ; Inner .....	LM29749-LM29710
	Cup/Cone; Outer .....	A4
<b>1992-1980</b>	<b>Corniche</b>	
	Cone/Cup ; Inner .....	LM29749-LM29710
	Cup/Cone; Outer .....	A4
<b>1987-1980</b>	<b>Camargue</b>	
	Cone/Cup ; Inner .....	LM29749-LM29710
	Cup/Cone; Outer .....	A4

<b>REAR WHEEL</b>		
<b>1992-1980</b>	<b>Corniche I, II, III</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720
<b>1990-1981</b>	<b>Silver Spirit I, II</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720
<b>1990-1981</b>	<b>Silver Spur I, II</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720
<b>1987-1980</b>	<b>Camargue</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>1992-1980</b>	<b>All</b>	
	Cone/Cup ; LH .....	29590-29520
	Cone/Cup ; RH .....	368A-362A
<b>Pinion</b>		
<b>1990-1981</b>	<b>Silver Spirit</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720
<b>1990-1981</b>	<b>Silver Spur</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720
<b>1990-1980</b>	<b>Corniche</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720

<b>REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
<b>1987-1980</b>	<b>Camargue</b>	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18790-18720

<b>3-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1990-1980</b>	<b>(THM400)</b>	
	Seal .....	9449
	Seal Kit .....	5208
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1990-1980</b>	<b>(THM400)</b>	
	Repair Sleeve .....	8792S
	Seal .....	

<b>Torque Converter</b>		
<b>1990-1980</b>	<b>(THM400)</b>	
	Repair Sleeve .....	99187
	Seal .....	6712NA

<b>4-SPEED AUTOMATIC TRANSMISSION</b>		
<b>Rear Seal/Ext. Housing</b>		
<b>1992-1991</b>	<b>(4L80E)</b>	
	Seal .....	9449
	Seal Kit .....	5208
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1992-1991</b>	<b>(4L80E)</b>	
	Repair Sleeve .....	8792S
	Seal .....	

<b>Torque Converter</b>		
<b>1992-1991</b>	<b>(4L80E)</b>	
	Repair Sleeve .....	99199
	Seal .....	4598

## ROVER- 60, 75, 80, 90, 100, 105, 2000, 3000, 3500

<b>FRONT WHEEL</b>		
<b>1980</b>	<b>All</b>	
	Cup/Con; Inner .....	A6
	Cup/Con; Outer .....	A2

<b>REAR WHEEL</b>		
<b>1980</b>	<b>All</b>	
	Seal ; Inner .....	223535
	Seal ; Outer .....	224100
	Repair Sleeve; Inner .....	99139

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ROVER- 60, 75, 80, 90, 100, 105, 2000, 3000, 3500 (cont.)</b>					

## REAR AXLE

### Differential

1980	3500	
Cone/Cup .....		LM29749-LM29710

### Pinion

1980	3500	
Cone/Cup ; Outer .....		HM88649-HM88610
Cone/Cup ; Inner .....		M88046-M88010

## DRIVESHAFT SUPPORT

1980	All	
Ball Bearing .....		88506

## 3-SPEED AUTOMATIC TRANSMISSION

### Torque Converter

1980	(Borg Warner T65)	
Seal .....		480479H

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1980	CL	
Cone/Cup .....		15123-15245

## 5-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

1980	CL	
Cup/Cone; Inner .....		A1
Cup/Cone; Outer .....		A6

### Countershaft

1980	CL	
Cup/Cone .....		A4

## CRANKSHAFT REAR SEAL

### 8 Cylinder

1980	3528cc/3.5L	
Seal .....		5591

# ROVER TRUCK- SUV - Defender 90, Defender 110, Discovery, LR3, Range Rover

## FRONT WHEEL

1999-1994	Discovery	
Cup/Cone .....		A37
1999-1987	Range Rover	
Cup/Cone .....		A37
1997-1993	Defender 90, 110	
Cup/Cone .....		A37

## REAR WHEEL

1997-1993	Defender 90, 110	
Cup/Cone .....		A37
1994-1987	Range Rover	
Cup/Cone .....		A37

## 4WD FRONT AXLE

### Differential

1993-1987	(To Mid Year 1993)	
Cup/Cone .....		A35

### Pinion

1999-1987	All	
Cone/Cup ; Outer .....		HM801346X-HM801310
Cone/Cup ; Inner .....		M88046-M88010

### Steering Knuckle

1999-1987	All	
Cone/Cup .....		11590-11520

## REAR AXLE

### Differential

1993-1987	(To Mid Year 1993)	
Cup/Cone .....		A35

### Pinion

1999-1987	All	
Cone/Cup ; Outer .....		HM801346X-HM801310
Cone/Cup ; Inner .....		M88046-M88010

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2002-1989	(ZF4HP22, ZF4HP24)	
Seal .....		710140
1988-1987	(ZF 4HP 22)	
Repair Sleeve .....		99157
Seal .....		3459

### Torque Converter

2002-1987	(ZF 4HP 22, ZF 4HP 24)	
Seal .....		224052

## TRANSFER CASE

### Front Output Shaft

1988-1987	(LT230)	
Cone/Cup .....		JLM506849-JLM506810

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>ROVER TRUCK- SUV - Defender 90, Defender 110, Discovery, LR3, Range Rover (cont.)</b>					

## TRANSFER CASE(cont)

### Rear Output Shaft

1988-1987 (LT230)	
Cone/Cup ; Frt .....	JLM104948-JLM104910
Ball Bearing ; Rr .....	207

## SAAB- 9-2X, 9-3, 9-5, 9-7X, 900, 9000, 99

### FRONT WHEEL

2007-2002 5-Sep	
Hub Assembly .....	513192
2006-2005 9-7X	
Hub Assembly .....	513188
2006-2004 3-Sep	
Hub Assembly .....	513191
2005 9-2X	
Wheel Brg .....	517008
2003 9-3 (Convertible)	
Ball Bearing .....	510052
2003 9-3 (Sedan)	
Hub Assembly .....	513191
2002 3-Sep	
Ball Bearing .....	510052
2001-1999 5-Sep	
Ball Bearing .....	510052
1998-1994 900	
Ball Bearing .....	510052
1998-1990 9000	
Hub Assembly .....	513126
1993-1981 900	
Ball Bearing .....	513106
1989-1986 9000	
Hub Assembly .....	513127
1980 99	
Ball Bearing .....	513106

### REAR WHEEL

2007-2000 5-Sep	
Hub Assembly .....	512232
2006-2005 9-7X	
Seal .....	4762N
Cyl. Bearing .....	513067
2005 9-2X Linear	
Wheel Brg .....	513248
2002-1999 3-Sep	
Hub Assembly .....	512145
1999 5-Sep	
Hub Assembly .....	512145
1998-1994 900	
Hub Assembly .....	512145
1987-1982 900	
Hub Assembly .....	512147

### REAR WHEEL(cont)

1982-1980 900	
Cup/Cone; Inner .....	A17
Cup/Cone; Outer .....	A16
1980 99	
Seal ; Inner .....	1973
Cup/Cone; Inner .....	A17
Cup/Cone; Outer .....	A16

### 4WD FRONT AXLE

#### Axle Shaft

2007-2005 AAM ICA-7.25" R.G. (1.3125" Shaft)	
Seal .....	710491
Needle Bearing; Outer .....	SCH78
Needle Bearing; Pilot .....	B2010
Needle Bearing; Inner .....	
2007-2005 AAM ICA-7.25" R.G. (1.5748" Shaft)	
Seal .....	710491
Needle Bearing; Outer .....	SCH78
Needle Bearing; Pilot .....	HK4012
Needle Bearing; Inner .....	

### CLUTCH

#### Pilot Bearing

1992-1980 900	
Ball Bearing .....	202FF
1980 99	
Ball Bearing .....	202FF

#### Release Bearing

1990-1986 900, 9000	
Bearing Assembly .....	614080

### 3-SPEED AUTOMATIC TRANSAXLE

#### Differential

1989-1980 (Borg Warner T35TB, T37TB)	
Seal .....	223510
Cup/Cone .....	A35

#### Pinion

1980 (Borg Warner T35TB, T37TB)	
Cone/Cup ; Outer .....	A35
Cup/Cone; Inner .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## SAAB- 9-2X, 9-3, 9-5, 9-7X, 900, 9000, 99 (cont.)

### 3-SPEED AUTOMATIC TRANSAXLE(cont)

#### Torque Converter

1989-1980	(Borg Warner T35TB, T37TB)	
Seal	.....	480479H

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

1997-1987	(ZF 4HP 14, 4HP 18Q)	
Cone/Cup ; LH	.....	LM806649-LM806610
Cone/Cup ; RH	.....	LM300849-LM300811

#### Torque Converter / Frt Pump

2002-1994	(Aisin 50 40, 50 42)	
Repair Sleeve	.....	223830
Seal	.....	
1994-1987	(ZF 4HP 14)	
Seal	.....	225110

#### Output Shaft

2002-1994	(Aisin 50 40, 50 42)	
Seal ; RH	.....	710112
Seal ; LH	.....	712551

#### Selector Shaft Seal/Man. Shaft

2002-1994	(Aisin 50 40, 50 42)	
Repair Sleeve	.....	221207
Seal	.....	

### 4-SPEED MANUAL TRANSAXLE

#### Differential

1982-1980	99, 900	
Seal	.....	223510
Cup/Cone	.....	A35

#### Pinion

1982-1980	99, 900	
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	HM88649-HM88610

#### Intermediate Shaft

1982-1980	99, 900	
Cup/Cone; Rr	.....	A3

### 5-SPEED MANUAL TRANSAXLE

#### Differential

1993-1986	9000	
Cone/Cup ; LH	.....	LM300849-LM300811
Cup/Cone; RH	.....	A35
1992-1980	99, 900	
Seal	.....	223510
Cup/Cone	.....	A35

#### Pinion

1992-1980	99, 900	
Cone/Cup ; Outer	.....	M88048-M88010
Cone/Cup ; Inner	.....	HM88649-HM88610

#### Output Shaft

1993-1986	9000	
Cone/Cup ; LH	.....	32008
Cone/Cup ; RH	.....	15106-15245

### 5-SPEED MANUAL TRANSAXLE(cont)

#### Input Shaft

1993-1986	9000	
Cone/Cup ; Rr	.....	15106-15245
Cup/Cone; Frt	.....	A4
1992-1980	99, 900	
Cone/Cup	.....	M84548-M84510
1983-1980	900	
Cone/Cup	.....	M84548-M84510

### ALTERNATOR

1983-1981	(Bosch 70 Amp.)	
Ball Bearing ; Rear End	.....	201CC
Ball Bearing ; Drive End	.....	203FF
1980	(Bosch 55 Amp.)	
Ball Bearing ; Rear End	.....	201S
Ball Bearing ; Drive End	.....	203S
1980	(Bosch 65 Amp.)	
Ball Bearing ; Rear End	.....	201S
Ball Bearing ; Drive End	.....	203S
1980	Marchal	
Ball Bearing ; Drive End	.....	203FF

### CAMSHAFT SEAL

#### 6 Cylinder

2002-1994	2498cc/2.0L, 2962cc/3.0L	
Seal	.....	714436

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

2002-1980	1985cc/2.0L, 2119cc/2.1L, 2290cc/2.3L	
Seal	.....	331227H

### CRANKSHAFT REAR SEAL

#### 4 Cylinder

2003-1980	1985cc/2.0L, 2119cc/2.1L, 2290cc/2.3L	
Seal	.....	3772

#### 6 Cylinder

2003-1994	2498cc/2.5L, 2962cc/3.0L	
Seal	.....	710237

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>SATURN- Ion, LS, LW, SC, SC1, SC2, SL, SL1, SL2, SW1, SW2</b>					

<b>FRONT WHEEL</b>		
2007-2003	Ion (ABS) (Exc. Red Line)	
	Hub Assembly .....	513204
2007-2003	Ion (Exc. Red Line) (Non-ABS)	
	Hub Assembly .....	513205
2004-2000	L Ser.	
	Ball Bearing .....	510052
2002-1994	S Ser.	
	Ball Bearing .....	510024
	Hub Kit .....	518514 <sup>25</sup>
1993-1991	All	
	Ball Bearing .....	510024
	Hub Kit .....	518513 <sup>25</sup>

<b>REAR WHEEL</b>		
2007-2003	Ion (ABS) (Exc. Red Line) (Drum)	
	Hub Assembly .....	512247
2007-2003	Ion (Exc. Red Line) (Non-ABS) (Drum)	
	Hub Assembly .....	512248
2004-2000	L Ser. (ABS)	
	Hub Assembly .....	512238
2002-1991	S Ser. (ABS)	
	Hub Assembly .....	512002
2002-1991	S Ser. (Non-ABS)	
	Hub Assembly .....	512000

<b>CLUTCH</b>		
<b>Release Bearing</b>		
1997-1991	All	
	Bearing Assembly .....	614161

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2002-1991	(TAAT)	
	Ball Bearing .....	208
	Seal Viton .....	714616
<b>Torque Converter / Frt Pump</b>		
2006-1991	(4T40E, 4T45E)	
	Repair Sleeve .....	4072N
	Seal .....	
<b>Output Shaft</b>		
2002-1991	(TAAT)	
	Seal ; RH .....	4614N
	Seal ; LH .....	4613N
<b>Selector Shaft Seal/Man. Shaft</b>		
1994	(TAAT) (1st Design)	
	Seal .....	718610
1993-1991	(TAAT)	
	Seal .....	718610

<b>5-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1996-1991	(TAMT)	
	Ball Bearing .....	208

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
2002-1991	(TAMT)	
	Ball Bearing .....	208
<b>Output Shaft</b>		
2002-1991	(TAMT)	
	Seal ; RH .....	4614N
	Seal ; LH .....	4613N

<b>POWER STEERING</b>		
<b>Pump Shaft</b>		
1999-1991	(Saginaw pump)	
	Seal .....	7013S

<b>CAMSHAFT SEAL</b>		
<b>6 Cylinder</b>		
2003-2000	3000cc/3.0L	
	Seal .....	714436

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2004	2198cc/2.2L ION	
	Repair Sleeve .....	99176
	Seal .....	9845
2002-1991	116/1.9L	
	Seal Viton .....	324204

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2006-2004	2.0L (DOHC)	
	Seal Viton .....	710237
2006-2000	2.2L (DOHC)	
	Seal Viton .....	710237
2002-1991	116/1.9L	
	Seal Viton .....	99298
	Repair Sleeve .....	5273
	Seal PTFE H/D .....	
<b>6 Cylinder</b>		
2005-2000	3.0L (DOHC)	
	Seal Viton .....	710237

<sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut



# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## SCION- xA, xB, tC (cont.)

<b>REAR WHEEL</b>		
2006-2004	xA, xB	
Hub Assembly .....		512209

## SIMCA- ALL

<b>FRONT WHEEL</b>		
1980	Rallye	
Cone/Cup ; Outer .....		30204
Seal ; Inner .....		224045
Cup/Cone; Inner .....		A4

<b>REAR WHEEL</b>		
1980	Rallye	
Cup/Cone .....		A4

## SKODA (RUSSIA)- ALL

<b>FRONT WHEEL</b>		
1989-1980	All	
Cone/Cup .....		30304

## STERLING- Honda automobiles - England

<b>FRONT WHEEL</b>		
1991-1989	825, 827	
Ball Bearing .....		513052
1988-1987	825, 827	
Ball Bearing .....		513054

<b>REAR WHEEL</b>		
1991-1987	825, 827	
Ball Bearing .....		513051

<b>CLUTCH</b>		
<b>Release Bearing</b>		
1991-1989	827SLi	
Bearing Assembly .....		614068

### 4-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
1991-1989	(G3T4)	
Cone/Cup .....		30208
1988-1987	(G4)	
Cone/Cup ; LH .....		30208
Cone/Cup ; RH .....		32010X

<b>Torque Converter / Frt Pump</b>		
1991-1987	(G3T4, G4)	
Seal .....		350609

### 4-SPEED AUTOMATIC TRANSAXLE(cont)

<b>Output Shaft</b>		
1991-1987	(G3T4, G4)	
Seal Viton .....		224026

<b>Selector Shaft Seal/Man. Shaft</b>		
1991-1987	(G3T4, G4)	
Repair Sleeve .....		221207
Seal .....		

### 5-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
1991-1987	(C3P4, PL5X)	
Cone/Cup ; RH .....		32010X

<b>Output Shaft</b>		
1991-1987	(C3P4, PL5X)	
Seal Viton .....		224026

### ALTERNATOR

1990-1989	(Nippondenso)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## STERLING- Honda automobiles - England (cont.)

### A/C COMPRESSOR

1990-1987	(Nippondenso 10P15) (axial)	
	Ball Bearing .....	5000KFF
1990-1987	(Nippondenso 10P17) (axial)	
	Ball Bearing .....	5000KFF

### POWER STEERING

#### Pump Shaft

1991-1989	827 Ser.	
	Seal .....	221620

### CAMSHAFT SEAL

#### 6 Cylinder

1991-1987	2494cc/2.5L, 2675cc/2.7L	
	Seal Viton .....	713771

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1991-1987	2494cc/2.5L, 2675cc/2.7L	
	Seal Viton .....	228008

## SUBARU AWD- B9 Tribeca, Chaser, Deluxe, DL, FE, GF, GL, GLF, Impreza, Justy, Legacy, Loyale, Outback, RX, Standard, Star, SVX, XT

### FRONT WHEEL

2006-2005	Legacy, Outback	
	Hub Assembly .....	513220
2006-1993	Impreza	
	Seal ; Inner .....	1993
	Seal ; Outer .....	225650
	Wheel Brg; Inner .....	517008
2004-2000	Outback	
	Seal ; Inner .....	1993
	Seal ; Outer .....	225650
	Wheel Brg; Inner .....	517008
2004-1990	Legacy	
	Seal ; Inner .....	1993
	Seal ; Outer .....	225650
	Wheel Brg; Inner .....	517008
1997-1992	SVX	
	Seal ; Inner .....	710229
	Seal ; Outer .....	710231
	Wheel Brg; Inner .....	517007
1994-1990	Loyale	
	Ball Bearing .....	207
	Seal ; Inner .....	710230
	Seal ; Outer .....	225230
1994-1989	Justy	
	Ball Bearing .....	206
	Seal ; Inner .....	1974
	Seal ; Outer .....	224462

### FRONT WHEEL(cont)

1991-1988	XT6	
	Seal ; Inner .....	710230
	Seal ; Outer .....	225230
	Wheel Brg; Inner .....	513015
1991-1985	XT Ser. (Exc. XT6)	
	Ball Bearing .....	207
	Seal ; Inner .....	710230
	Seal ; Outer .....	225230
1988-1987	Justy	
	Seal ; Inner .....	1974
	Seal ; Outer .....	224462
	Ball Bearing ; Inner .....	305
1988-1980	DL, GF, GL, GLF	
	Ball Bearing .....	207
	Seal .....	225230
1988-1980	DL, GL (Wagon)	
	Ball Bearing .....	207
	Seal ; Inner .....	710230
	Seal ; Outer .....	225230

### REAR WHEEL

2006-2005	Legacy, Outback	
	Hub Assembly .....	512293

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b><i>SUBARU AWD- B9 Tribeca, Chaser, Deluxe, DL, FE, GF, GL, GLF, Impreza, Justy, Legacy, Loyale, Outback, RX, Standard, Star, SVX, XT (cont.)</i></b>					

<b>REAR WHEEL(cont)</b>		
<b>2006-2004</b>	<b>Impreza (4WD) (Exc. WXR STI)</b>	
Seal ; Inner .....		710226
Wheel Brg .....		513248
Seal Viton ; Outer .....		710259
Seal ; Intermediate .....		225005
<b>2006-2004</b>	<b>Impreza (WXR STI)</b>	
Seal ; Inner .....		710226
Seal ; Outer .....		710393
Wheel Brg .....		516003
Seal ; Intermediate .....		225673
<b>2004-2000</b>	<b>Legacy (4WD)</b>	
Bearing Assm .....		512183
<b>2004-2000</b>	<b>Outback</b>	
Bearing Assm .....		512183
<b>2003-1993</b>	<b>Impreza (4WD)</b>	
Seal ; Inner .....		710226
Wheel Brg .....		513248
Seal Viton ; Outer .....		710259
Seal ; Intermediate .....		225005
<b>1999-1990</b>	<b>Legacy (4WD)</b>	
Seal ; Inner .....		710226
Seal ; Outer .....		710529
Wheel Brg .....		513248
Seal ; Intermediate .....		225005
<b>1997-1993</b>	<b>Impreza (2WD) (ABS)</b>	
Hub Assembly .....		512036
<b>1997-1992</b>	<b>SVX</b>	
Wheel Brg .....		516003
<b>1997-1991</b>	<b>Legacy (2WD) (ABS)</b>	
Hub Assembly .....		512036
<b>1996-1993</b>	<b>Impreza (2WD) (Non-ABS)</b>	
Hub Assembly .....		512036
<b>1996-1990</b>	<b>Legacy (2WD) (Non-ABS)</b>	
Hub Assembly .....		512036
<b>1994-1988</b>	<b>Justy (4WD)</b>	
Seal ; Inner .....		710228
Seal ; Outer .....		710227
Ball Bearing ; Inner .....		305
Ball Bearing ; Outer .....		206
<b>1994-1987</b>	<b>Justy (2WD)</b>	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30205
Seal ; Inner .....		223830
Repair Sleeve; Inner .....		
<b>1993-1990</b>	<b>Loyale (4WD)</b>	
Seal ; Inner .....		224015
Seal ; Outer .....		225005
Wheel Brg; Inner .....		513056
<b>1993-1990</b>	<b>Loyale (FWD)</b>	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30206
Seal ; Inner .....		1984

<b>REAR WHEEL(cont)</b>		
<b>1991-1986</b>	<b>XT (4WD)</b>	
Seal ; Inner .....		224015
Seal ; Outer .....		225005
Wheel Brg; Inner .....		513056
<b>1991-1986</b>	<b>XT (4WD) (Turbo)</b>	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30206
Seal ; Inner .....		1984
<b>1989-1980</b>	<b>DL, GF, GLF (2WD)</b>	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30206
Seal ; Inner .....		1984
<b>1989-1980</b>	<b>DL, GL, GLF (4WD)</b>	
Seal ; Inner .....		224015
Seal ; Outer .....		225005
Wheel Brg; Inner .....		513056
<b>1989-1980</b>	<b>Wagon (2WD)</b>	
Cone/Cup ; Outer .....		30204
Cone/Cup ; Inner .....		30206
Seal ; Inner .....		1984
<b>1989-1980</b>	<b>Wagon (4WD) (From 5/1978 on)</b>	
Seal ; Inner .....		224015
Seal ; Outer .....		225005
Wheel Brg; Inner .....		513056

## 4WD FRONT AXLE

<b>Differential</b>		
<b>1989-1980</b>	<b>All</b>	
Cone/Cup .....		30208
Seal .....		223255
<b>Pinion</b>		
<b>1989-1980</b>	<b>All</b>	
Repair Sleeve .....		99139
Seal .....		1173
Cone/Cup ; Outer .....		32305
Cone/Cup ; Inner .....		32306

## REAR AXLE

<b>Differential</b>		
<b>1997-1980</b>	<b>Exc. Justy (4WD)</b>	
Cone/Cup .....		30208
Seal .....		223255
<b>1994-1988</b>	<b>Justy (4WD)</b>	
Seal .....		222745
<b>Pinion</b>		
<b>1997-1980</b>	<b>Exc. Justy (4WD)</b>	
Ball Bearing .....		99139
Repair Sleeve .....		1173
Seal .....		32305
Cone/Cup ; Outer .....		32306
Cone/Cup ; Inner .....		
<b>1994-1988</b>	<b>Justy (4WD)</b>	
Seal .....		710267
Cone/Cup ; Inner .....		30206

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>SUBARU AWD- B9 Tribeca, Chaser, Deluxe, DL, FE, GF, GL, GLF, Impreza, Justy, Legacy, Loyale, Outback, RX, Standard, Star, SVX, XT (cont.)</b>					

## CLUTCH

<b>Pilot Bearing</b>		
2002-1981	4WD	
Ball Bearing	.....	201CC
1980	4 Cyl 1595cc/1.6L	
Needle Bearing	.....	HK1210
<b>Release Bearing</b>		
2002-1990	4 Cyl 1820cc/1.8L, 2212cc/2.2L, 2457cc/2.5L	
Bearing Assembly	.....	614159
1994-1991	3 Cyl 1189cc/1.2L	
Bearing Assembly	.....	614160
1992-1985	4 Cyl 1781cc/1.8L, 1781cc/1.8L Turbo	
Bearing Assembly	.....	614059
1991-1988	6 Cyl 2672cc/2.7L	
Bearing Assembly	.....	614059

## AUTOMATIC TRANSAXLE

<b>Differential</b>		
1994-1987	(TB40, TS40, CVT)	
Ball Bearing ; RH	.....	207
Ball Bearing ; LH	.....	207S
<b>Output Shaft</b>		
1994-1987	(TB40, TS40, CVT)	
Seal	.....	222745

## 3-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
1980	(T63T, T71T)	
Cone/Cup	.....	30207
<b>Output Shaft</b>		
1994-1980	(TA86, TX86, T71T, T81M, T81T, T81X)	
Seal	.....	222745
<b>Torque Converter</b>		
1994-1980	(TA86, TX86, T71T, T81M, T81T, T81X)	
Seal Viton	.....	2025

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
2002-1988	(TZ1A2, TZ102)	
Cone/Cup	.....	30208
<b>Torque Converter / Frt Pump</b>		
2002-1988	(TZ1A2, TA102, TZ102)	
Seal	.....	225010
<b>Output Shaft</b>		
2002-1988	(TZ1A2, TA102, TZ102)	
Seal	.....	223050
<b>Extension Housing</b>		
1996-1995	(TA102)	
Repair Sleeve	.....	99139
Seal	.....	3771

## 4-SPEED AUTOMATIC TRANSAXLE(cont)

<b>Extension Housing(cont)</b>		
1994-1988	(TA102, TZ102)	
Repair Sleeve	.....	99139
Seal	.....	3771
<b>Oil Pump</b>		
2002-1988	(TZ1A2, TA102, TZ102)	
Seal	.....	710265

## 4-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
1987-1985	(TW70F)	
Cone/Cup	.....	30208
1980	(TM48F)	
Cone/Cup	.....	30207
<b>Output Shaft</b>		
1988-1980	(TM40F, TM44F, TM45F, TM48F, TW70F, T71A, T72A, T81J, T81K, T81W)	
Seal	.....	222745
<b>Input Shaft</b>		
1988-1981	(TM40F, TM45F)	
Seal	.....	222558
1980	(TM48F)	
Repair Sleeve	.....	222050
Seal	.....	

## 5-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
2002-1998	(TY752, TY754)	
Cone/Cup	.....	30208
1994-1987	(TM64F, TW64F)	
Ball Bearing ; RH	.....	207
Ball Bearing ; LH	.....	207S
1989-1985	(TW75F, TY75F, TY752)	
Cone/Cup	.....	30208
1987-1985	(TM65F)	
Cone/Cup	.....	30208
1980	(T71W)	
Cone/Cup	.....	30207
<b>Output Shaft</b>		
2002-1999	(TY754)	
Seal	.....	223050
2002-1990	(TY752)	
Seal	.....	223050
1996-1980	(TM50F, TM55F, TM60F, TM64F, TW64F, TM70F)	
Seal	.....	222745
1996-1980	(TM702, T71G, T71W, T72G, TM75F, TW75F, TM752, T81G)	
Seal	.....	222745

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b><i>SUBARU AWD- B9 Tribeca, Chaser, Deluxe, DL, FE, GF, GL, GLF, Impreza, Justy, Legacy, Loyale, Outback, RX, Standard, Star, SVX, XT (cont.)</i></b>					

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Extension Housing</b>		
1994-1980	(TM50F, TM60F, TM70F, T71G, T72G, TM75F, TW75F, T81G)	
Seal .....		221820
1994-1980	(TM55F, T71W, TY75F, TY752)	
Repair Sleeve .....		99139
Seal .....		3771
<b>Input Shaft</b>		
2002-1999	(TY754)	
Seal .....		222558
2002-1990	(TM702, TM752)	
Seal .....		222240
1994-1987	(TM64F, TW64F)	
Ball Bearing .....		205
Repair Sleeve .....		222030
Seal .....		
1994-1985	(TW75F, TY75F)	
Ball Bearing .....		305
Seal .....		222558
1989-1980	(TM55F, TM70F, TM75F, TY752)	
Seal .....		222558
1980	(T71W)	
Repair Sleeve .....		222050
Seal .....		
<b>ALTERNATOR</b>		
1992-1980	Hitachi 50, 55, 60, 65 Amp.	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
<b>CAMSHAFT SEAL</b>		
<b>3 Cylinder</b>		
1994-1987	1189cc/1.2	
Seal .....		223018
<b>4 Cylinder</b>		
2005-1996	2457cc/2.5L	
Seal .....		223230
2001-1990	1820cc/1.8L, 2212cc/2.2L	
Seal .....		223230
1994-1985	1781cc/1.8L, 1781cc/1.8L (Turbo)	
Repair Sleeve .....		223830
Seal .....		
<b>6 Cylinder</b>		
2002-2001	2999cc/3.0L	
Seal .....		223230
1996-1992	3318cc/3.3L	
Seal .....		223230
1991-1988	2672cc/2.7L	
Repair Sleeve .....		223830
Seal .....		
<b>CRANKSHAFT FRONT SEAL</b>		
<b>3 Cylinder</b>		
1994-1987	1189cc/1.2	
Seal .....		710233

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder</b>		
2006-1998	2458cc/2.5L	
Seal .....		710236
2005-2002	1994cc/2.0L	
Seal .....		710236
2001-1995	1781cc/1.8L, 2212cc/2.2L	
Seal .....		710236
1994-1980	1781cc/1.8L	
Seal .....		1038
1988-1980	1595cc/1.6L	
Repair Sleeve .....		223830
Seal .....		
<b>6 Cylinder</b>		
2006-2001	2999cc/3.0L	
Seal .....		710236
1991-1988	2672cc/2.7L	
Seal .....		223230
<b>CRANKSHAFT REAR SEAL</b>		
<b>3 Cylinder</b>		
1994-1987	1189cc/1.2	
Seal .....		710234
<b>4 Cylinder</b>		
2006-2004	1995cc/2.0L, 2458cc/2.5L	
Seal Viton .....		710235
2001-1990	1820cc/1.8, 2212cc/2.2, 2457cc/2.5	
Seal Viton .....		710235
1994-1989	1781cc/1.8L, 1781cc/1.8L (Turbo)	
Repair Sleeve .....		99298
Seal .....		1019
1988-1981	1781cc/1.8L, 1781cc/1.8L (Turbo)	
Repair Sleeve .....		99298
Seal .....		1019
<b>6 Cylinder</b>		
2006-2001	2999cc/3.0L	
Seal Viton .....		710235
1996-1992	3318cc/3.3L	
Seal Viton .....		710235
1991-1988	2672cc/2.7L	
Repair Sleeve .....		99298
Seal .....		1019

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## SUBARU TRUCK- Pickup, SUV - Baja, Brat, Forester

### FRONT WHEEL

<b>2006-2003</b>	<b>Baja</b>	
Seal ; Inner .....		1993
Seal ; Outer .....		225650
Wheel Brg; Inner .....		517008
<b>2006-1998</b>	<b>Forester</b>	
Seal ; Inner .....		1993
Seal ; Outer .....		225650
Wheel Brg; Inner .....		517008
<b>1987-1980</b>	<b>Brat</b>	
Ball Bearing .....		207
Seal .....		225230

### REAR WHEEL

<b>2006-2003</b>	<b>Baja</b>	
Bearing Assm .....		512183
<b>2006-1998</b>	<b>Forester</b>	
Ball Bearing .....		511023
Seal ; Inner .....		710226
Seal ; Outer .....		710529
Seal ; Intermediate .....		225005
<b>1987-1980</b>	<b>Brat</b>	
Seal ; Inner .....		224015
Seal ; Outer .....		225005
Wheel Brg; Inner .....		513056

### REAR AXLE

#### Differential

<b>2002-1998</b>	<b>Forester (Locking Diff.)</b>	
Cone/Cup .....		30208
Seal .....		223255
<b>1987-1980</b>	<b>Brat</b>	
Cone/Cup .....		30208
Seal .....		223255

#### Pinion

<b>2004-2003</b>	<b>Baja (Auto Trans)</b>	
Cone/Cup ; Inner .....		32206
<b>2004-2003</b>	<b>Baja (Manual Trans)</b>	
Repair Sleeve .....		99139
Seal .....		1173
Cone/Cup ; Outer .....		32305
Cone/Cup ; Inner .....		32306
<b>2004-1998</b>	<b>Forester (Locking Diff.)</b>	
Ball Bearing .....		99139
Repair Sleeve .....		1173
Seal .....		32305
Cone/Cup ; Outer .....		32306
Cone/Cup ; Inner .....		
<b>2002-1998</b>	<b>Forester (Exc. Locking Diff.)</b>	
Repair Sleeve .....		99139
Seal .....		1173
Cone/Cup ; Outer .....		32305
Cone/Cup ; Inner .....		32206

### REAR AXLE(cont)

#### Pinion(cont)

<b>1987-1980</b>	<b>Brat</b>	
Ball Bearing .....		99139
Repair Sleeve .....		1173
Seal .....		32305
Cone/Cup ; Outer .....		32306
Cone/Cup ; Inner .....		

### CLUTCH

#### Pilot Bearing

<b>2002-1998</b>	<b>Forester</b>	
Ball Bearing .....		201CC
<b>1987-1981</b>	<b>Brat</b>	
Ball Bearing .....		201CC
<b>1980</b>	<b>4 Cyl 1595cc/1.6L</b>	
Needle Bearing .....		HK1210

#### Release Bearing

<b>2002-1998</b>	<b>4 Cyl 2457cc/2.5L</b>	
Bearing Assembly .....		614159

### 3-SPEED AUTOMATIC TRANSAXLE

#### Output Shaft

<b>1987-1981</b>	<b>(TX86, T81X, T81Z)</b>	
Seal .....		222745

#### Torque Converter

<b>1987-1981</b>	<b>(TX86, T81X, T81Z)</b>	
Seal Viton .....		2025

### 4-SPEED AUTOMATIC TRANSAXLE

#### Differential

<b>2004-1998</b>	<b>(TZ1A2, TZ102)</b>	
Cone/Cup .....		30208

#### Torque Converter / Frt Pump

<b>2004-1998</b>	<b>(TZ1A2, TZ102)</b>	
Seal .....		225010

#### Output Shaft

<b>2004-1998</b>	<b>(TZ1A2, TA102, TZ102)</b>	
Seal .....		223050

#### Oil Pump

<b>2004-1998</b>	<b>(TZ1A2, TA102, TZ102)</b>	
Seal .....		710265

### 4-SPEED MANUAL TRANSAXLE

#### Differential

<b>1987-1985</b>	<b>(TW70F)</b>	
Cone/Cup .....		30208
<b>1980</b>	<b>(TM48F)</b>	
Cone/Cup .....		30207

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>SUBARU TRUCK- Pickup, SUV - Baja, Brat, Forester (cont.)</b>					

<b>4-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Extension Housing</b>		
1987-1980	(TM45F, TM48F, TW70F, T81J, T81K, T81W)	
Repair Sleeve .....		99139
Seal .....		3771
<b>Input Shaft</b>		
1987-1980	(TM40F, TM45F)	
Seal .....		222558
1980	(TM48F)	
Repair Sleeve .....		222050
Seal .....		

<b>5-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
2004-1998	(TY752, TY754)	
Cone/Cup .....		30208
1987-1985	(TM65F)	
Cone/Cup .....		30208
1980	(T71W)	
Cone/Cup .....		30207
<b>Output Shaft</b>		
2004-1998	(TY752, TY754)	
Seal .....		223050
1987-1980	(T71W)	
Seal .....		222745
<b>Extension Housing</b>		
1987-1985	(TM50F, TM60F, TM70F, T71G, T72G, TM75F, TW75F, T81G)	
Seal .....		221820
1987-1980	(TM55F, T71W, TY75F, TY752)	
Repair Sleeve .....		99139
Seal .....		3771
<b>Input Shaft</b>		
2004-1998	(TY752, TY754)	
Seal .....		222558
1980	(T71W)	
Repair Sleeve .....		222050
Seal .....		

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2006-2004	2457cc/2.5L (DOHC)	
Seal Viton ; Intake .....		2012V
2006-1999	2457cc/2.5L (SOHC)	
Seal .....		223230
1984-1983	1781cc/1.8L (Turbo)	
Repair Sleeve .....		223830
Seal .....		

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2006-1998	2457cc/2.5L	
Seal .....		710236
1987-1980	1781cc/1.8L	
Seal .....		1038

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1980	1595cc/1.6L	
Repair Sleeve .....		223830
Seal .....		

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2006-1998	2457cc/2.5L	
Seal Viton .....		710235
1987-1980	1781cc/1.8L (DOHC) (Turbo)	
Repair Sleeve .....		99298
Seal .....		1019

<b>OIL PUMP</b>		
<b>4 Cylinder</b>		
2003-1998	2457cc/2.5L	
Seal .....		710236

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>SUZUKI- FRONT DRIVE - Aerio, Esteem, Forenza, Forsa, Reno, Swift, Verona</b>					

## FRONT WHEEL

<b>2006-2002</b>	<b>Aerio</b>	
Ball Bearing .....		510077
<b>2004</b>	<b>Forenza</b>	
Ball Bearing .....		510052
<b>2002-1995</b>	<b>Esteem</b>	
Seal ; Inner .....		710394
Seal ; Outer .....		710393
Ball Bearing ; Inner .....		510018
<b>2001-1995</b>	<b>Swift</b>	
Seal ; Inner .....		710394
Seal ; Outer .....		710175
Ball Bearing ; Inner .....		510001
<b>1994-1989</b>	<b>Swift (Exc. GT &amp; Gti)</b>	
Seal ; Inner .....		710394
Seal ; Outer .....		710175
Ball Bearing ; Inner .....		510001
<b>1994-1989</b>	<b>Swift GT &amp; GTi</b>	
Seal ; Inner .....		710394
Seal ; Outer .....		710393
Ball Bearing ; Inner .....		510018
<b>1988-1987</b>	<b>Forsa (Non-Turbo)</b>	
Ball Bearing .....		107DD
Seal ; Inner .....		224462
<b>1988-1987</b>	<b>Forsa (Turbo)</b>	
Ball Bearing .....		510001
Seal .....		710175
<b>1986-1985</b>	<b>Forsa</b>	
Ball Bearing .....		107DD
Seal ; Inner .....		224462

## REAR WHEEL

<b>2006-2005</b>	<b>Reno (Non-ABS)</b>	
Hub Assembly .....		512317
<b>2006-2004</b>	<b>Forenza (Non-ABS)</b>	
Hub Assembly .....		512317
<b>2006-2004</b>	<b>Verona (Non-ABS)</b>	
Hub Assembly .....		512317
<b>2006-2002</b>	<b>Aerio (2WD) (Non-ABS)</b>	
Hub Assembly .....		512241
<b>2006-2002</b>	<b>Aerio (AWD)</b>	
Seal .....		1188
Wheel Brg .....		511034
<b>2002-1995</b>	<b>Esteem (Non-ABS)</b>	
Hub Assembly .....		512241
<b>2001-1995</b>	<b>Swift (ABS)</b>	
Hub Assembly .....		512204
<b>2001-1995</b>	<b>Swift (Non-ABS)</b>	
Ball Bearing ; Inner .....		205F
Ball Bearing ; Outer .....		204F
<b>1994-1989</b>	<b>Swift (Exc. GT &amp; Gti)</b>	
Ball Bearing ; Inner .....		205F
Ball Bearing ; Outer .....		204F
<b>1994-1989</b>	<b>Swift GT &amp; GTi</b>	
Hub Assembly .....		512182
<b>1988-1985</b>	<b>Forsa</b>	
Ball Bearing ; Inner .....		205F
Ball Bearing ; Outer .....		204F

## CLUTCH

<b>Pilot Bearing</b>		
<b>2002-1989</b>	<b>4 Cyl</b>	
Ball Bearing .....		200CC
<b>1988-1985</b>	<b>3 Cyl</b>	
Ball Bearing .....		200CC
<b>Release Bearing</b>		
<b>2002-1989</b>	<b>4 Cyl</b>	
Bearing Assembly .....		614082

## 3-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
<b>2001-1995</b>	<b>(Aisin A210)</b>	
Ball Bearing .....		207
<b>1994-1989</b>	<b>(Aisin A210) (DOHC)</b>	
Ball Bearing .....		207
<b>1994-1989</b>	<b>(Aisin A210) (SOHC)</b>	
Ball Bearing .....		207S
<b>1988-1985</b>	<b>(Aisin A210)</b>	
Ball Bearing .....		207S
<b>Output Shaft</b>		
<b>2001-1985</b>	<b>(Aisin A210)</b>	
Repair Sleeve .....		99139
Seal .....		223540

## Selector Shaft Seal/Man. Shaft

<b>2001-1985</b>	<b>(Aisin A210)</b>	
Seal .....		710116

## Torque Converter

<b>2001-1985</b>	<b>(Aisin A210)</b>	
Repair Sleeve .....		223830
Seal .....		

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
<b>2002-1995</b>	<b>(Aisin 60 42)</b>	
Ball Bearing .....		207
<b>Torque Converter / Frt Pump</b>		
<b>2002-1999</b>	<b>(Aisin 60 40)</b>	
Seal .....		710254
<b>2002-1995</b>	<b>(Aisin 60 42)</b>	
Repair Sleeve .....		223830
Seal .....		

## Selector Shaft Seal/Man. Shaft

<b>2002-1995</b>	<b>(Aisin 60 42)</b>	
Repair Sleeve .....		221207
Seal .....		

## 5-SPEED MANUAL TRANSAXLE

<b>Differential</b>		
<b>2002-1989</b>	<b>(MX1)</b>	
Ball Bearing ; RH .....		107
Ball Bearing ; LH .....		207
<b>1988-1985</b>	<b>(MX1)</b>	
Ball Bearing .....		207S

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>SUZUKI- FRONT DRIVE - Aerio, Esteem, Forenza, Forsa, Reno, Swift, Verona</b>					
<b>(cont.)</b>					

<b>5-SPEED MANUAL TRANSAXLE(cont)</b>		
<b>Output Shaft</b>		
2002-1989 (MX1)		
Repair Sleeve; RH .....	99139	
Repair Sleeve; LH .....	99139	
Seal ; RH .....	223535	
Seal ; LH .....	223552	
1988-1985 (MX1)		
Repair Sleeve; LH .....	99139	
Seal ; LH .....	223552	
<b>Input Shaft</b>		
2001-1989 (MX1)		
Repair Sleeve; RH .....	222030	
Seal ; RH .....	32204	
Cone/Cup ; RH .....		
1988-1985 (MX1)		
Cone/Cup .....	32204	
Repair Sleeve; RH .....	222030	
Seal ; RH .....		
<b>Countershaft</b>		
1988-1985 (MX1)		
Cone/Cup ; LH .....	32204	
Cone/Cup ; RH .....		

<b>ALTERNATOR</b>		
1992-1989 All		
Ball Bearing ; Drive End .....	202FF	
1988-1985 (Nippondenso 45 Amp.)		
Ball Bearing ; Rear End .....	201CC	
Ball Bearing ; Drive End .....	302CC	
1988-1985 (Nippondenso 50 Amp.)		
Ball Bearing ; Rear End .....	201CC	
Ball Bearing ; Drive End .....	302CC	

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2002-1999 1800cc/1.8L (DOHC)		
Seal .....	710334	
2001-1989 1300cc/1.3L		
Repair Sleeve .....	99128	
Seal .....	710310	
2000-1992 1590cc/1.6L		
Repair Sleeve .....	99128	
Seal .....	710310	

<b>CRANKSHAFT FRONT SEAL</b>		
<b>3 Cylinder</b>		
1988-1985 993cc/1.0L		
Repair Sleeve .....	99128	
Seal .....	710310	
<b>4 Cylinder</b>		
2006-2004 2300/2.3L		
Repair Sleeve .....	99128	
Seal .....	710521	

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
2003-2002 2000cc/2.0L		
Repair Sleeve .....	99128	
Seal .....	710521	
2002-1999 1800cc/1.8L (DOHC)		
Repair Sleeve .....	99128	
Seal .....	710521	
2001-1992 1590cc/1.6L		
Repair Sleeve .....	99128	
Seal .....	710310	
2001-1989 1300cc/1.3L		
Repair Sleeve .....	99128	
Seal .....	710310	

<b>CRANKSHAFT REAR SEAL</b>		
<b>3 Cylinder</b>		
1988-1985 993cc/1.0L		
Seal .....	710334	
<b>4 Cylinder</b>		
2006-2004 2300/2.3L		
Seal .....	710520	
2006-2002 1995cc/2.0L (DOHC)		
Seal .....	710520	
2002-1999 1800cc/1.8L (DOHC)		
Seal .....	710520	
2001-1992 1590cc/1.6L		
Seal .....	710334	
2001-1989 1300cc/1.3L		
Seal .....	710334	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>SUZUKI TRUCK- SUV - Grand Vitara, Samurai, Sidekick, SJ410, SJ413, Vitara, X90, XL7</b>					

## FRONT WHEEL

<b>2005-2002</b>	<b>XL7</b>	
Hub Assembly .....		513193
<b>2005-2001</b>	<b>Vitara, Grand Vitara</b>	
Hub Assembly .....		513193
<b>2000-1999</b>	<b>Vitara, Grand Vitara</b>	
Seal ; Inner .....		710240
Seal ; Outer .....		710239
Wheel Brg; Inner .....		517009
<b>1998-1989</b>	<b>Sidekick</b>	
Seal ; Inner .....		710240
Seal ; Outer .....		710239
Wheel Brg; Inner .....		517009
<b>1995-1985</b>	<b>Samurai</b>	
Cone/Cup .....	LM300849-LM300811	
Seal ; Inner .....		1948

## 2WD

<b>1998-1996</b>	<b>X90</b>	
Seal ; Inner .....		710240
Seal ; Outer .....		710239
Wheel Brg; Inner .....		517009

## 4WD/AWD

<b>2006-2002</b>	<b>XL7</b>	
Hub Assembly .....		513193
<b>2005-2001</b>	<b>Vitara, Grand Vitara</b>	
Hub Assembly .....		513193
<b>2000-1999</b>	<b>Vitara, Grand Vitara</b>	
Seal ; Inner .....		710240
Seal ; Outer .....		710239
Wheel Brg; Inner .....		517009
<b>1998-1996</b>	<b>X90</b>	
Seal ; Inner .....		710255
Seal ; Outer .....		710256
Wheel Brg; Inner .....		517009
<b>1998-1989</b>	<b>Sidekick</b>	
Seal ; Inner .....		710240
Seal ; Outer .....		710239
Wheel Brg; Inner .....		517009
<b>1995-1985</b>	<b>Samurai</b>	
Cone/Cup .....	LM300849-LM300811	
Seal ; Inner .....		1948
<b>1985-1980</b>	<b>SJ410, SJ413</b>	
Seal ; Inner .....		1948
Wheel Brg; Inner .....		517004
Wheel Brg; Outer .....		517004

## REAR WHEEL

<b>2006-2002</b>	<b>XL7</b>	
Ball Bearing .....		511030
<b>2005-1999</b>	<b>Vitara, Grand Vitara</b>	
Ball Bearing .....		511024
Seal .....		710522

## REAR WHEEL(cont)

<b>1998-1996</b>	<b>X90</b>	
Seal ; Inner .....		224820
Seal ; Outer .....		710193
Ball Bearing ; Inner .....		511004
<b>1998-1989</b>	<b>Sidekick</b>	
Seal ; Inner .....		224820
Seal ; Outer .....		710193
Ball Bearing ; Inner .....		511004
<b>1995-1985</b>	<b>Samurai</b>	
Ball Bearing .....		511002
Seal .....		224820
<b>1985-1980</b>	<b>SJ410, SJ413</b>	
Ball Bearing .....		511002
Seal .....		224820

## 4WD FRONT AXLE

### Pinion

<b>2005-2004</b>	<b>XL7</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>2005-1999</b>	<b>Grand Vitara</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>2004-1999</b>	<b>Vitara</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>1998-1989</b>	<b>(SKF)</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>1995-1982</b>	<b>(SJF)</b>	
Seal Viton .....		350572
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307

### Axle Shaft

<b>1998-1986</b>	<b>(SJF, SKF)</b>	
Ball Bearing .....		206FF
Seal .....		710330

### Steering Knuckle

<b>1998-1986</b>	<b>(SJF, SKF)</b>	
Seal ; Inner .....		710255
Seal ; Outer .....		710256

## REAR AXLE

### Pinion

<b>2005-2002</b>	<b>XL7</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>SUZUKI TRUCK- SUV - Grand Vitara, Samurai, Sidekick, SJ410, SJ413, Vitara, X90, XL7 (cont.)</b>					

## REAR AXLE(cont)

<b>Pinion(cont)</b>		
<b>2005-1999</b>	<b>Grand Vitara</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>2004-1999</b>	<b>Vitara</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>1998-1989</b>	<b>(SKR)</b>	
Seal .....		710523
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307
<b>1995-1986</b>	<b>(SJR)</b>	
Seal Viton .....		350572
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		30307

## CLUTCH

<b>Pilot Bearing</b>		
<b>1998-1986</b>	<b>4 Cyl</b>	
Ball Bearing .....		200CC
<b>Release Bearing</b>		
<b>1998-1986</b>	<b>All</b>	
Bearing Assembly .....		614056

## 3-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
<b>1992-1989</b>	<b>(3L30)</b>	
Seal .....		473823
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1992-1989</b>	<b>(3L30)</b>	
Repair Sleeve .....		8792S
Seal .....		
<b>Torque Converter</b>		
<b>1992-1989</b>	<b>(3L30)</b>	
Repair Sleeve .....		99187
Seal .....		6712NA

## 4-SPEED AUTOMATIC TRANSMISSION

<b>Rear Seal/Ext. Housing</b>		
<b>1998-1992</b>	<b>(Aisin 03 72)</b>	
Seal .....		710319
<b>1988-1986</b>	<b>(Aisin A440)</b>	
Seal .....		224820
<b>Selector Shaft Seal/Man. Shaft</b>		
<b>1988-1986</b>	<b>(Aisin A440)</b>	
Repair Sleeve .....		221207
Seal .....		

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

<b>Torque Converter</b>		
<b>1998-1992</b>	<b>(Aisin 03 72)</b>	
Repair Sleeve .....		223830
Seal .....		
<b>1988-1986</b>	<b>(Aisin A440)</b>	
Seal Viton .....		2025

## 5-SPEED MANUAL TRANSMISSION

<b>Extension Housing</b>		
<b>1995-1986</b>	<b>Samurai</b>	
Seal .....		223215
<b>Front Input Shaft</b>		
<b>2002-1999</b>	<b>Vitara</b>	
Repair Sleeve .....		99114
Seal .....		1981
<b>1998-1989</b>	<b>Sidekick</b>	
Repair Sleeve .....		99098
Seal .....		222535

<b>Rear Output Shaft</b>		
<b>1998-1989</b>	<b>Sidekick</b>	
Seal .....		222580
<b>1995-1986</b>	<b>Samurai</b>	
Ball Bearing ; Rr .....		305

<b>Countershaft</b>		
<b>1995-1986</b>	<b>Samurai</b>	
Ball Bearing ; Rr .....		304

## TRANSFER CASE

<b>Input Shaft</b>		
<b>2004-1989</b>	<b>Sidekick, Vitara</b>	
Ball Bearing .....		207
Repair Sleeve .....		99139
Seal .....		223540
<b>1998-1996</b>	<b>X90</b>	
Repair Sleeve .....		99139
Seal .....		223540
<b>1995-1986</b>	<b>Samurai</b>	
Seal ; Outer .....		223843
Ball Bearing ; Outer .....		RW122
<b>Front Output Shaft</b>		
<b>2004-1989</b>	<b>Sidekick, Vitara</b>	
Seal ; Outer .....		1213N
Ball Bearing ; Inner .....		306L
Repair Sleeve ; Outer .....		99157
Ball Bearing ; Outer .....		RW122
<b>1998-1996</b>	<b>X90</b>	
Repair Sleeve .....		99157
Seal .....		1213N

# Bearings and Seals

YEAR APPLICATION Part. No. YEAR APPLICATION Part. No.  
**SUZUKI TRUCK- SUV - Grand Vitara, Samurai, Sidekick, SJ410, SJ413, Vitara, X90, XL7 (cont.)**

## TRANSFER CASE(cont)

<b>Front Output Shaft(cont)</b>		
1995-1986	Samurai	
Ball Bearing ; Inner .....		306L
Ball Bearing ; Outer .....		RW122
Seal Viton ; Outer .....		1965
<b>Rear Output Shaft</b>		
1998-1996	X90	
Repair Sleeve .....		99157
Seal .....		1213N
1998-1989	Sidekick	
Ball Bearing .....		RW122
Repair Sleeve .....		99157
Seal .....		1213N
1995-1986	Samurai	
Ball Bearing .....		RW122
Seal Viton .....		1965

## ALTERNATOR

2001-1994	(Nippondenso)	
Ball Bearing ; Drive End .....		303CC
1991-1982	All	
Ball Bearing ; Drive End .....		202FF

## A/C COMPRESSOR

1992-1987	(Nippondenso) (axial)	
Ball Bearing .....		5000KFF

## CAMSHAFT SEAL

<b>4 Cylinder</b>		
2002-1989	1590cc/1.6L	
Repair Sleeve .....		99128
Seal .....		710310
1995-1985	1300cc/1.3L	
Repair Sleeve .....		99128
Seal .....		710310

## CRANKSHAFT FRONT SEAL

<b>4 Cylinder</b>		
2003-1999	2000cc/2.0L	
Repair Sleeve .....		99128
Seal .....		710521
2002-1989	1590cc/1.6L	
Repair Sleeve .....		99128
Seal .....		710310
1998-1996	1800cc/1.8L (DOHC)	
Repair Sleeve .....		99128
Seal .....		710521
1995-1985	1300cc/1.3L	
Repair Sleeve .....		99128
Seal .....		710310
<b>6 Cylinder</b>		
2005-1999	2494cc/2.5L (DOHC)	
Repair Sleeve .....		99128
Seal .....		710521
2004-2001	2700cc/2.7L (DOHC)	
Repair Sleeve .....		99128
Seal .....		710521

## CRANKSHAFT REAR SEAL

<b>4 Cylinder</b>		
2003-1999	1995cc/2.0L (DOHC)	
Seal .....		710520
2002-1989	1590cc/1.6L	
Seal .....		710334
1998-1996	1800cc/1.8L (DOHC)	
Seal .....		710520
1995-1985	1300cc/1.3L	
Seal .....		710334
<b>6 Cylinder</b>		
2005-1999	2494cc/2.5L (DOHC)	
Seal .....		710520
2004-2001	2700cc/2.7L (DOHC)	
Seal .....		710520

**TOYOTA- FRONT DRIVE - Avalon, Camry, Camry AWD, Camry Solara, Celica, Celica AWD, Corolla, Corolla AWD, Corolla FX, Echo, Matrix, Paseo, Prius, Tercel, Tercel Wagon 4WD, Yaris**

## FRONT WHEEL

2007-2004	Camry	
Ball Bearing .....		510063
2006-2005	Avalon	
Ball Bearing .....		510063
2006-2004	Solara	
Ball Bearing .....		510063

## FRONT WHEEL(cont)

2006-2003	Matrix	
Ball Bearing .....		510070
2005-2003	Corolla	
Ball Bearing .....		510070
2005-2000	Celica	
Ball Bearing .....		510070

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- FRONT DRIVE - Avalon, Camry, Camry AWD, Camry Solara, Celica, Celica AWD, Corolla, Corolla AWD, Corolla FX, Echo, Matrix, Paseo, Prius, Tercel, Tercel Wagon 4WD, Yaris (cont.)</b>					

## FRONT WHEEL(cont)

<b>2005-2000</b>	<b>Echo</b>	
	Ball Bearing .....	510062
<b>2004-1995</b>	<b>Avalon</b>	
	Ball Bearing .....	510006
<b>2003-2001</b>	<b>Prius</b>	
	Ball Bearing .....	510070
<b>2003-1999</b>	<b>Solara</b>	
	Ball Bearing .....	510006
	Hub Kit .....	518509 <sup>25</sup>
<b>2003-1992</b>	<b>Camry (4 Cyl.)</b>	
	Ball Bearing .....	510006
	Hub Kit .....	518508 <sup>25</sup>
<b>2003-1992</b>	<b>Camry (6 Cyl.)</b>	
	Ball Bearing .....	510006
	Hub Kit .....	518509 <sup>25</sup>
<b>2002-1993</b>	<b>Corolla (ABS)</b>	
	Seal ; Inner .....	225673
	Seal ; Outer .....	4898
	Ball Bearing ; Inner .....	510007
<b>2002-1993</b>	<b>Corolla (Non-ABS)</b>	
	Ball Bearing .....	510007
	Seal ; Inner .....	1993
	Seal ; Outer .....	4898
	Seal Kit .....	5696 <sup>12</sup>
	Hub Kit .....	518507 <sup>13</sup>
<b>1999-1993</b>	<b>Paseo, Tercel</b>	
	Seal ; Inner .....	712938
	Seal ; Outer .....	225410
	Ball Bearing ; Inner .....	510002
<b>1999-1990</b>	<b>Celica</b>	
	Ball Bearing .....	514002
	Seal ; Inner .....	4899
	Seal ; Outer .....	1884
<b>1992</b>	<b>Paseo</b>	
	Seal ; Inner .....	225673
	Seal ; Outer .....	225410
	Ball Bearing ; Inner .....	510002
<b>1992-1988</b>	<b>Corolla (Non-ABS)</b>	
	Seal ; Inner .....	1993
	Seal ; Outer .....	4898
	Ball Bearing ; Inner .....	510007
<b>1992-1987</b>	<b>Tercel</b>	
	Seal ; Inner .....	225673
	Seal ; Outer .....	225410
	Ball Bearing ; Inner .....	510002
<b>1991-1983</b>	<b>Camry</b>	
	Seal ; Inner .....	4899
	Seal ; Outer .....	1884
	Ball Bearing ; Inner .....	514002
	Hub Kit .....	518506 <sup>13</sup>

## FRONT WHEEL(cont)

<b>1990-1988</b>	<b>Corolla (AWD)</b>	
	Ball Bearing .....	510007
	Seal ; Inner .....	1993
	Seal ; Outer .....	4898
	Hub Kit ; Kit .....	518507 <sup>13</sup>
	Seal Kit ; Kit .....	5696 <sup>12</sup>
<b>1989-1986</b>	<b>Celica</b>	
	Seal ; Inner .....	4899
	Seal ; Outer .....	1884
	Ball Bearing ; Inner .....	514002
<b>1986-1984</b>	<b>Corolla (FWD)</b>	
	Ball Bearing .....	514002
	Seal ; Inner .....	4899
	Seal ; Outer .....	1884
<b>1986-1983</b>	<b>Tercel</b>	
	Ball Bearing .....	513002
<b>1982-1980</b>	<b>Tercel</b>	
	Seal .....	225110
	Cup/Cone .....	A18

## REAR WHEEL

<b>2006-2005</b>	<b>Avalon</b>	
	Hub Assembly; RH .....	512207
	Hub Assembly; LH .....	512206
<b>2006-2004</b>	<b>Solara</b>	
	Hub Assembly; RH .....	512207
	Hub Assembly; LH .....	512206
<b>2006-2003</b>	<b>Matrix (2WD) (ABS)</b>	
	Hub Assembly .....	512217
<b>2006-2003</b>	<b>Matrix (2WD) (Non-ABS)</b>	
	Hub Assembly .....	512218
<b>2006-2002</b>	<b>Camry (ABS)</b>	
	Hub Assembly; RH .....	512207
	Hub Assembly; LH .....	512206
<b>2006-2002</b>	<b>Camry (Non-ABS)</b>	
	Hub Assembly .....	512208
<b>2005-2000</b>	<b>Celica (Non-ABS)</b>	
	Hub Assembly .....	512218
<b>2005-2000</b>	<b>Echo (ABS)</b>	
	Hub Assembly .....	512209
<b>2005-2000</b>	<b>Echo (Non-ABS)</b>	
	Hub Assembly .....	512210
<b>2003-1999</b>	<b>Solara (Non-ABS)</b>	
	Bearing Assm .....	512009
<b>2002-1996</b>	<b>Corolla (ABS)</b>	
	Hub Assembly .....	512184
<b>2002-1993</b>	<b>Corolla (Non-ABS)</b>	
	Hub Assembly .....	512018
<b>2001-1992</b>	<b>Camry</b>	
	Bearing Assm .....	512009
<b>1999-1995</b>	<b>Avalon</b>	
	Bearing Assm .....	512009
<b>1999-1994</b>	<b>Celica</b>	
	Bearing Assm .....	512137

<sup>12</sup> Incl w/ Hub Unit <sup>13</sup> Incl: Spindle, Brg and 2 Seals <sup>25</sup> Incl: Spindle, Brg, Snap Ring and Nut

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- FRONT DRIVE - Avalon, Camry, Camry AWD, Camry Solara, Celica, Celica AWD, Corolla, Corolla AWD, Corolla FX, Echo, Matrix, Paseo, Prius, Tercel, Tercel Wagon 4WD, Yaris (cont.)</b>					

## REAR WHEEL(cont)

<b>1999-1992</b>	<b>Paseo</b>	
	Cone/Cup ; Inner .....	A149
	Seal ; Inner .....	1174
	Cup/Cone; Outer .....	A1
<b>1999-1991</b>	<b>Tercel</b>	
	Cone/Cup ; Inner .....	A149
	Seal ; Inner .....	1174
	Cup/Cone; Outer .....	A1
<b>1995-1993</b>	<b>Corolla (ABS)</b>	
	Hub Assembly .....	512019
<b>1993-1992</b>	<b>Celica (AWD) (From 5/1991)</b>	
	Seal ; Inner .....	225775
	Seal ; Outer .....	225275
	Ball Bearing ; Inner .....	514002
<b>1993-1986</b>	<b>Celica (FWD)</b>	
	Ball Bearing .....	513022
	Seal .....	224210
<b>1992-1990</b>	<b>Corolla (AWD)</b>	
	Ball Bearing .....	88506BR
	Seal .....	224210
<b>1992-1984</b>	<b>Corolla (FWD)</b>	
	Ball Bearing .....	513031
	Seal .....	1180
<b>1991-1988</b>	<b>Camry (AWD)</b>	
	Seal ; Inner .....	4899
	Seal ; Outer .....	225275
	Ball Bearing ; Inner .....	514002
<b>1991-1987</b>	<b>Camry (FWD)</b>	
	Ball Bearing .....	513022
	Seal .....	224210
<b>1991-1987</b>	<b>Camry Wagon</b>	
	Seal .....	224210
	Bearing Assm .....	512009
<b>1990-1988</b>	<b>Tercel</b>	
	Cone/Cup ; Inner .....	223605
	Seal ; Inner .....	225775
	Seal ; Outer .....	A1
	Cup/Cone; Outer .....	
<b>1988-1983</b>	<b>Tercel Wagon (4WD)</b>	
	Ball Bearing .....	88506BR
	Seal .....	224210
<b>1987-1984</b>	<b>Tercel Wagon (FWD)</b>	
	Ball Bearing .....	513031
	Seal .....	1180
<b>1987-1980</b>	<b>Tercel Sedan</b>	
	Cone/Cup ; Inner .....	223605
	Seal ; Inner .....	A1
	Cup/Cone; Outer .....	

## FRONT AXLE

### Pinion

<b>1988-1987</b>	<b>Camry</b>	
	Cone/Cup ; Inner .....	30208

## FRONT AXLE(cont)

### Pinion(cont)

<b>1988-1987</b>	<b>Celica</b>	
	Cone/Cup ; Inner .....	30208
<b>1988-1984</b>	<b>Corolla</b>	
	Cone/Cup ; Outer .....	30207
	Cone/Cup ; Inner .....	30208
<b>1988-1980</b>	<b>Tercel</b>	
	Cone/Cup ; Inner .....	30208
<b>1986-1983</b>	<b>Camry</b>	
	Cone/Cup ; Outer .....	30207
	Cone/Cup ; Inner .....	30208

## REAR AXLE

### Differential

<b>1993-1988</b>	<b>Corolla (All Trac) ( 4WD)</b>	
	Cup/Cone .....	A35
<b>1988-1983</b>	<b>Tercel Wagon (4WD)</b>	
	Cup/Cone .....	A5

### Pinion

<b>1993-1988</b>	<b>Camry (All Trac) ( 4WD)</b>	
	Cone/Cup .....	HM88649-HM88610
	Seal ; Outer .....	1176
<b>1993-1988</b>	<b>Celica (All Trac) ( 4WD)</b>	
	Cone/Cup .....	HM88649-HM88610
	Seal ; Outer .....	1176
<b>1993-1988</b>	<b>Corolla (All Trac) ( 4WD)</b>	
	Cone/Cup .....	HM88649-HM88610
	Seal ; Outer .....	1176
<b>1988-1983</b>	<b>Tercel Wagon (4WD)</b>	
	Cone/Cup ; Outer .....	M86649-M86610
	Cone/Cup ; Inner .....	223542
	Seal ; Outer .....	

## CLUTCH

### Pilot Bearing

<b>1988-1980</b>	<b>4 Cyl 1452cc/1.5L</b>	
	Ball Bearing .....	101SS

### Release Bearing

<b>2002-2000</b>	<b>4 Cyl 1587cc/1.6L, 1762cc/1.8L, 1794cc/1.8L, w/ 200mm Clutch</b>	
	Bearing Assembly .....	614152
<b>2002-1992</b>	<b>6 Cyl 2959cc/3.0L, 2995cc/3.0L, w/ 225mm Clutch</b>	
	Bearing Assembly .....	614167
<b>2001-1992</b>	<b>4 Cyl 2164cc/2.2L, w/ 225mm Clutch</b>	
	Bearing Assembly .....	614091
<b>1999-1990</b>	<b>4 Cyl 1456cc/1.5L, 1496cc/1.5L, w/ 190mm Clutch</b>	
	Bearing Assembly .....	614043
<b>1999-1990</b>	<b>4 Cyl 2164cc/2.2L, w/ 232mm Clutch</b>	
	Bearing Assembly .....	614091
<b>1997-1992</b>	<b>4 Cyl 1587cc/1.6L, 1762cc/1.8L</b>	
	Bearing Assembly .....	614152

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- FRONT DRIVE - Avalon, Camry, Camry AWD, Camry Solara, Celica, Celica AWD, Corolla, Corolla AWD, Corolla FX, Echo, Matrix, Paseo, Prius, Tercel, Tercel Wagon 4WD, Yaris (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Release Bearing(cont)</b>		
1994-1992	4 Cyl 1456cc/1.5L, w/ 200mm Clutch Bearing Assembly .....	614043
1993-1990	4 Cyl 1998cc/2.0L DOHC & TURBO, w/ 225mm Clutch Bearing Assembly .....	614167
1993-1988	4 Cyl 1998cc/2.0L DOHC & TURBO, w/ 235mm Clutch Bearing Assembly .....	614084
1992-1990	4 Cyl 1587cc/1.6L, w/ 225mm Clutch Bearing Assembly .....	614084
1991	4 Cyl 1456cc/1.5L, 1587cc/1.6L, w/ 200mm Clutch Bearing Assembly .....	614043
1991-1990	4 Cyl 1998cc/2.0L DOHC, w/ 235mm Clutch Bearing Assembly .....	614084
1991-1988	4 Cyl 2507cc/2.5L, w/ 235mm Clutch Bearing Assembly .....	614084
1991-1987	4 Cyl 1998cc/2.0L DOHC, w/ 225mm Clutch Bearing Assembly .....	614147
1990-1989	4 Cyl 1456cc/1.5L, w/ 212mm Clutch Bearing Assembly .....	614043
1990-1984	4 Cyl 1587cc/1.6L, w/ 200mm Clutch Bearing Assembly .....	614043

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2002-1984	(A130L, A131L, A132L) Seal .....	710416
<b>Pinion</b>		
1998-1987	(A132L) Cone/Cup ; Rr .....	30208
<b>Output Shaft</b>		
2002-1984	(A130L, A131L, A132L) Seal .....	710110
1988-1980	(A55, A55F) Seal .....	223240
<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1984	(A130L, A131L, A132L) Repair Sleeve .....	221207
1988-1980	(A55, A55F) Seal .....	220818
<b>Torque Converter</b>		
2002-1980	(A55, A55F, A130L, A131L, A132L) Repair Sleeve .....	223830
	Seal .....	

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2006-1983	(A140E, A140L, A242L, A245E) Seal .....	710416
<b>Pinion</b>		
1997-1995	(A242L) Cone/Cup ; Outer .....	30208
<b>Torque Converter / Frt Pump</b>		
2006-1983	(A140E, A140L, A240E, A240L, A241E, A241H, A241L, A242L, A243L, A244E, A245E, A246E, A540E, A540H, A541) Repair Sleeve .....	223830
	Seal .....	
<b>Output Shaft</b>		
2006-1985	(A240E, A240L, A241E, A241H, A241L, A242L, A243L, A244E, A245E, A246E) Seal ; RH .....	710110
	Seal ; LH .....	710109
2004-1992	(A540E, A540H, A541E) Seal ; RH .....	710112
	Seal ; LH .....	712551
2001-1983	(A140E, A140L) Repair Sleeve .....	99139
	Seal .....	223540
<b>Selector Shaft Seal/Man. Shaft</b>		
2001-1983	(A140E, A140L, A240E, A240L, A241E, A241H, A241L, A242L, A243L, A244E, A245E, A246E, A540E, A540H, A541) Repair Sleeve .....	221207
	Seal .....	
<b>Input Shaft</b>		
1999-1985	(A240E, A240L, A241E, A241H, A241L, A243L, A244E, A246E) Repair Sleeve .....	99139
	Seal .....	710138

<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
1999-1986	(C141) Cone/Cup ; LH .....	32207
<b>Output Shaft</b>		
1996-1988	(C140, C141) Seal ; RH .....	710110
	Seal ; LH .....	710109
1987-1980	(Z41, Z42, Z44, Z46) Seal .....	223240
<b>Selector Shaft Seal/Man. Shaft</b>		
1996-1988	(C140, C141) Repair Sleeve .....	1015N
	Seal .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- FRONT DRIVE - Avalon, Camry, Camry AWD, Camry Solara, Celica, Celica AWD, Corolla, Corolla AWD, Corolla FX, Echo, Matrix, Paseo, Prius, Tercel, Tercel Wagon 4WD, Yaris (cont.)</b>					

## 4-SPEED MANUAL TRANSAXLE(cont)

### Input Shaft

1996-1988 (C140, C141)	
Ball Bearing .....	101SS
Repair Sleeve .....	99098
Seal .....	320603
1987-1980 (Z41, Z42, Z44, Z46)	
Seal .....	222655

## 5-SPEED MANUAL TRANSAXLE

### Differential

2001-1986 (C150, C151)	
Cone/Cup ; LH .....	32207

### Output Shaft

2002-1984 (C50, C51, C52, C150, C151)	
Seal ; RH .....	710110
Seal ; LH .....	710109
2001-1983 S50, S51, S53, S54	
Repair Sleeve .....	99139
Seal .....	223540
1993-1992 (E53)	
Repair Sleeve; LH .....	99139
Seal ; LH .....	223540
Seal Viton ; RH .....	224026
1993-1988 (E50F2, E55F2, E55F5) (ABS)	
Seal ; RH .....	710143
Seal ; LH .....	710112
1993-1988 (E50F2, E55F2, E55F5) (w/o ABS)	
Seal ; RH .....	710143
Seal ; LH .....	710115
1992-1988 (E56F2, E56F5, E57F5)	
Seal ; RH .....	710143
Seal ; LH .....	710115
1991-1986 (E52, E150F)	
Seal .....	710112
1988-1986 (Z51, Z52, Z53)	
Seal .....	223240

### Extension Housing

1993-1986 (E50F2, E55F2, E55F5, E56F2,E56F5, E57F5, E150F)	
Seal .....	1175

### Selector Shaft Seal/Man. Shaft

2001-1984 (Exc. S50, S51, S53, S54)	
Repair Sleeve .....	1015N
Seal .....	
2001-1983 S50, S51, S53, S54	
Repair Sleeve .....	221207
Seal .....	

### Input Shaft

2005-2000 (C56)	
Repair Sleeve .....	99098
Seal .....	320603

## 5-SPEED MANUAL TRANSAXLE(cont)

### Input Shaft(cont)

2004-1984 (C50, C51, C52, C150, C151)	
Ball Bearing .....	101SS
Repair Sleeve .....	99098
Seal .....	320603
2001-1983 S50, S51, E53, S53	
Seal .....	223010
1999-1986 (E50F2, E55F2, E55F5, E56F2,E56F5, E57F5, E150F, S54)	
Seal Viton .....	710172
1986-1980 (Z51, Z52, Z53)	
Seal .....	222655

## 6-SPEED MANUAL TRANSAXLE

### Output Shaft

1988-1980 (Z52F, Z54F)	
Seal .....	223240

### Input Shaft

2002-2000 (C50)	
Repair Sleeve .....	99098
Seal .....	320603
1988-1980 (Z52F, Z54F)	
Seal .....	222655

## ALTERNATOR

1997-1987 (Nippondenso 70 Amp.)	
Ball Bearing ; Rear End .....	302CC
1989-1987 (Nippondenso 55 Amp.)	
Ball Bearing ; Rear End .....	302CC
Ball Bearing ; Drive End .....	303CC
1989-1987 (Nippondenso 60 Amp.)	
Ball Bearing ; Rear End .....	302CC
Ball Bearing ; Drive End .....	204FF
1989-1985 (Nippondenso 50 Amp.)	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	303CC
1986-1983 (Nippondenso 60 Amp.)	
Ball Bearing ; Rear End .....	204FF
Ball Bearing ; Drive End .....	302CC
1986-1980 (Nippondenso 55 Amp.)	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	203FF
1984-1980 (Nippondenso 50 Amp.)	
Ball Bearing ; Rear End .....	201CC
Ball Bearing ; Drive End .....	203FF

## POWER STEERING

### Pump Shaft

1999-1997 Celica	
Seal .....	710156
1997 Paseo, Tercel	
Seal .....	710151

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- FRONT DRIVE - Avalon, Camry, Camry AWD, Camry Solara, Celica, Celica AWD, Corolla, Corolla AWD, Corolla FX, Echo, Matrix, Paseo, Prius, Tercel, Tercel Wagon 4WD, Yaris (cont.)</b>					

<b>POWER STEERING(cont)</b>		
<b>Pump Shaft(cont)</b>		
1996-1983	Camry, Celica, Corolla, Paseo, Tercel, Wagon	
Seal .....		710156
<b>Worm Shaft</b>		
2002-1993	Corolla	
Seal .....		222630
1992-1986	Corolla	
Seal ; Upper .....		710154
Seal ; Lower .....		710155
<b>Pitman Shaft</b>		
2002-2000	Corolla	
Seal .....		221510
1999-1998	Celica, Corolla	
Seal .....		221510
1997	Celica, Corolla, Paseo, Tercel	
Seal .....		221510
1996-1983	Camry, Celica, Corolla, Paseo, Tercel, Wagon	
Seal .....		221510
<b>Sector Shaft</b>		
1996-1983	Camry, Camry (AWD)	
Seal .....		222820

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2004-1984	1497cc/1.5L, 1587cc/1.6L, 1762cc/1.8L	
Seal .....		1987
2001-1990	2164cc/2.2L	
Seal .....		223801
1994-1980	1452cc/1.5L, 1456cc/1.5L	
Seal .....		1987
1993-1988	1998cc/2.0L (Turbo)	
Seal .....		1987
1993-1986	1998cc/2.0L (w/o Turbo)	
Seal .....		223801
1986-1984	1839cc/1.8L, 1974cc/2.0L (Diesels)	
Seal .....		223801
<b>6 Cylinder</b>		
2006-2004	3300cc/3.3L	
Seal .....		223802
2006-1994	2995cc/3.0L	
Seal .....		223801
1993-1992	2958cc/3.0L	
Seal .....		223801
1991-1988	2507cc/2.5L	
Seal .....		223801

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2006-2002	2398cc/2.4L	
Seal .....		223802

<b>CRANKSHAFT FRONT SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
2006-1998	1796cc/1.8L	
Seal .....		223802
2006-1987	1456cc/1.5L, 1497/1.5L	
Repair Sleeve .....		99128
Seal .....		223235
2001-1994	2164cc/2.2L	
Seal .....		1953
1997-1993	1762cc/1.8L	
Repair Sleeve .....		99128
Seal .....		223235
1993-1983	1839cc/1.8L, 1974cc/2.0L, 1995cc/2.0L, 1998cc/2.0L	
Seal Viton .....		2025
Seal .....		1953
1988-1980	1452cc/1.5L	
Repair Sleeve .....		99128
Seal .....		223235
<b>6 Cylinder</b>		
2006-2004	3300cc/3.3L	
Repair Sleeve .....		99157
Seal .....		224020
2004-1994	2995cc/3.0L (DOHC)	
Repair Sleeve .....		99157
Seal .....		224020
1993-1988	2508cc/2.5L, 2959cc/3.0L	
Repair Sleeve .....		99157
Seal .....		224020

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
2006-2002	2398cc/2.4L	
Seal Viton .....		710189
2005-2000	1795cc/1.8L GTS / ZZZGE	
Seal .....		716102
2004-1987	1456cc/1.5L, 1497/1.5L	
Seal .....		228015
2001-1990	1998cc/2.0L, 2164cc/2.2L	
Seal .....		716102
1997-1980	1452cc/1.5L, 1587cc/1.6L,	
Repair Sleeve .....		99272
1997-1980	1452cc/1.5L, 1587cc/1.6L, 1762cc/1.8L	
Seal .....		227045
1993-1988	1998cc/2.0L (Turbo)	
Seal Viton .....		710189
1989-1986	1998cc/2.0L (w/o Turbo)	
Seal .....		716102
1986-1984	1839cc/1.8L, 1974cc/2.0L (Diesels)	
Seal .....		229010
<b>6 Cylinder</b>		
2006-2004	3300cc/3.3L, 3456cc/3.5L	
Seal Viton .....		229210

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- FRONT DRIVE - Avalon, Camry, Camry AWD, Camry Solara, Celica, Celica AWD, Corolla, Corolla AWD, Corolla FX, Echo, Matrix, Paseo, Prius, Tercel, Tercel Wagon 4WD, Yaris (cont.)</b>					

## CRANKSHAFT REAR SEAL(cont)

### 6 Cylinder(cont)

2006-1988	2507cc/2.5L, 2958cc/3.0L, 2995cc/3.0L	
Seal Viton .....		229210

## TOYOTA- REAR DRIVE - Carina, Celica, Corolla, Corona, Corona Mark II, Cressida, Crown, MR2, Starlet, Supra

### FRONT WHEEL

<b>1998-1994 Supra</b>	
Ball Bearing .....	510017
Seal .....	1941
<b>1995-1991 MR2</b>	
Ball Bearing .....	513022
Seal .....	224210
<b>1992-1989 Cressida</b>	
Ball Bearing .....	513150
Seal .....	224870
<b>1992-1987 Supra</b>	
Ball Bearing .....	510017
Seal .....	1941
<b>1989-1985 MR2</b>	
Ball Bearing .....	513031
Seal .....	1180
<b>1988-1980 Cressida</b>	
Seal ; Inner .....	224820
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2
<b>1987-1980 Corolla (From 4/74)</b>	
Seal ; Inner .....	1950
Cup/Cone; Inner .....	A15
Cup/Cone; Outer .....	A1
<b>1986-1980 Supra</b>	
Seal ; Inner .....	224820
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2
<b>1985-1980 Celica</b>	
Seal ; Inner .....	224820
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2
<b>1984-1981 Starlet</b>	
Seal ; Inner .....	224015
Cup/Cone; Inner .....	A4
Cup/Cone; Outer .....	A1
<b>1982-1980 Corona</b>	
Seal ; Inner .....	224820
Cup/Cone; Inner .....	A6
Cup/Cone; Outer .....	A2

### REAR WHEEL

<b>1998-1987 Supra</b>	
Seal ; Inner .....	1935
Seal ; Outer .....	1928
Ball Bearing ; Inner .....	511007
<b>1995-1991 MR2</b>	
Ball Bearing .....	510006
<b>1992-1989 Cressida</b>	
Seal ; Inner .....	1935
Seal ; Outer .....	1928
Ball Bearing ; Inner .....	511007
<b>1989-1985 MR2</b>	
Ball Bearing .....	514002
Seal Kit .....	5696 <sup>12</sup>
<b>1988-1983 Cressida (Indep. Suspension)</b>	
Seal ; Inner .....	223840
Seal ; Outer .....	224820
Cup/Cone; Outer .....	A17
<b>1987-1984 Corolla (Disc)</b>	
Ball Bearing .....	514000
Seal .....	1955
<b>1987-1984 Corolla (Drum)</b>	
Ball Bearing .....	88506BR
Seal .....	224210
<b>1986-1982 Celica (Indep. Suspension)</b>	
Seal ; Inner .....	223840
Seal ; Outer .....	224820
Cup/Cone; Outer .....	A17
<b>1986-1982 Supra</b>	
Seal ; Inner .....	223840
Seal ; Outer .....	224820
Cup/Cone; Outer .....	A17
<b>1986-1980 Celica (Solid Axle)</b>	
Ball Bearing .....	RW124R
Seal .....	1955
<b>1984-1981 Starlet</b>	
Ball Bearing .....	88506BR
Seal .....	224810
<b>1983 Corolla 1.6L Wagon</b>	
Ball Bearing .....	RW124R
Seal .....	224210

<sup>12</sup> Incl w/ Hub Unit

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- REAR DRIVE - Carina, Celica, Corolla, Corona, Corona Mark II, Cressida, Crown, MR2, Starlet, Supra (cont.)</b>					

<b>REAR WHEEL(cont)</b>		
<b>1983</b>	<b>Cressida (Solid Axle)</b>	
Ball Bearing .....		RW124R
Seal .....		1955
<b>1983-1980</b>	<b>Corolla Sedan</b>	
Ball Bearing .....		88506BR
Seal .....		224210
<b>1982-1980</b>	<b>Corolla 1.8L Wagon</b>	
Ball Bearing .....		RW129R
Seal .....		224210
<b>1982-1980</b>	<b>Corona</b>	
Ball Bearing .....		RW124R
Seal .....		1955
<b>1982-1980</b>	<b>Cressida</b>	
Ball Bearing .....		RW124R
Seal .....		1955
<b>1981-1980</b>	<b>Supra</b>	
Ball Bearing .....		514000
Seal .....		1955

<b>REAR AXLE</b>		
<b>Differential</b>		
<b>1992-1987</b>	<b>(7.8" R.G.)</b>	
Seal .....		710142
<b>1988-1983</b>	<b>(7.3" R.G.)</b>	
Seal .....		223843
<b>1988-1979</b>	<b>(7.5" R.G.)</b>	
Seal .....		1177
Cone/Cup; Outer .....		30306
Cone/Cup; Inner .....		30025
<b>1987-1980</b>	<b>(6.7" R.G.)</b>	
Cup/Cone .....		A35
<b>1984-1980</b>	<b>(6" R.G.)</b>	
Cup/Cone .....		A5
<b>1984-1980</b>	<b>(6.38" R.G.)</b>	
Cup/Cone .....		A5
<b>1983-1982</b>	<b>(7.5" R.G.) (Posi-Trac Diff.)</b>	
Cone/Cup .....		32010X
<b>1982-1981</b>	<b>(5.6" R.G.)</b>	
Cone/Cup .....		15123-15245
<b>Pinion</b>		
<b>1998-1994</b>	<b>(7.8" R.G.)</b>	
Seal .....		710525
<b>1992-1980</b>	<b>(7.1" R.G.)</b>	
Seal .....		1177
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
<b>1992-1980</b>	<b>(7.3" R.G.)</b>	
Seal .....		1177
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307

<b>REAR AXLE(cont)</b>		
<b>Pinion(cont)</b>		
<b>1992-1980</b>	<b>(7.5" R.G.)</b>	
Seal .....		1177
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
<b>1992-1980</b>	<b>(7.8" R.G.)</b>	
Seal .....		1177
Cone/Cup ; Outer .....		30306
Cone/Cup ; Inner .....		32307
<b>1987-1980</b>	<b>(6.7" R.G.)</b>	
Seal .....		1176
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		HM88649-HM88610
<b>1984-1981</b>	<b>(5.6" R.G.)</b>	
Seal .....		223542
Cone/Cup ; Inner .....		M86649-M86610
<b>1984-1981</b>	<b>(6" R.G.)</b>	
Seal .....		223542
Cone/Cup ; Inner .....		M86649-M86610
<b>1983-1980</b>	<b>(6.38" R.G.)</b>	
Seal .....		1176
Cone/Cup ; Outer .....		M86649-M86610
Cone/Cup ; Inner .....		M88048-M88010

<b>CLUTCH</b>		
<b>Pilot Bearing</b>		
<b>1998-1994</b>	<b>6 Cyl 2997cc/3.0L</b>	
Ball Bearing .....		201CC
<b>1992-1986</b>	<b>6 Cyl 2954cc/3.0L</b>	
Ball Bearing .....		201CC
<b>1987-1983</b>	<b>4 Cyl 1587cc/1.6L</b>	
Ball Bearing .....		101SS
<b>1985-1981</b>	<b>4 Cyl 2366cc/2.4L</b>	
Ball Bearing .....		201CC
<b>1984-1981</b>	<b>4 Cyl 1290cc/1.3L</b>	
Ball Bearing .....		101SS
<b>1982-1980</b>	<b>4 Cyl 1770cc/1.8L</b>	
Ball Bearing .....		101SS
<b>1982-1980</b>	<b>6 Cyl 2759cc/2.8L</b>	
Ball Bearing .....		201CC
<b>1980</b>	<b>4 Cyl 2189cc/2.2L</b>	
Ball Bearing .....		201CC
<b>1980</b>	<b>6 Cyl 2563cc/2.6L</b>	
Ball Bearing .....		201CC
<b>Release Bearing</b>		
<b>1998-1994</b>	<b>6 Cyl 2997cc/3.0L</b>	
Bearing Assembly .....		614088
<b>1995-1990</b>	<b>4 Cyl 1998cc/2.0L</b>	
Bearing Assembly .....		614167
<b>1995-1990</b>	<b>4 Cyl 2164cc/2.2L</b>	
Bearing Assembly .....		614091
<b>1992-1989</b>	<b>6 Cyl 2954cc/3.0L, w/ 236mm Clutch</b>	
Bearing Assembly .....		614088

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- REAR DRIVE - Carina, Celica, Corolla, Corona, Corona Mark II, Cressida, Crown, MR2, Starlet, Supra (cont.)</b>					

## CLUTCH(cont)

### Release Bearing(cont)

1992-1987	6 Cyl 2954cc/3.0L, DOHC & TURBO, w/ 240mm Clutch	
	Bearing Assembly .....	614085

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1982-1980	(A40)	
	Seal .....	710319

### Torque Converter

1982-1980	(A40)	
	Repair Sleeve .....	223830
	Seal .....	

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1998-1994	(A340E)	
	Repair Sleeve .....	99157
	Seal .....	3459

1992-1986	(A340E)	
	Repair Sleeve .....	99157
	Seal .....	3459

1987-1980	(A40D, A42DL, A43D, A43DL, A43DE)	
	Seal .....	710319

### Selector Shaft Seal/Man. Shaft

1998-1994	(A340E)	
	Repair Sleeve .....	221207
	Seal .....	

1992-1986	(A340E)	
	Repair Sleeve .....	221207
	Seal .....	

### Torque Converter

1998-1994	(A340E)	
	Repair Sleeve .....	223830
	Seal .....	

1992-1980	(A40D, A42DL, A43D, A43DL, A43DE, A340E)	
	Repair Sleeve .....	223830
	Seal .....	

## 4-SPEED MANUAL TRANSMISSION

### Selector Shaft Seal/Man. Shaft

1984-1980	K40, T40	
	Seal .....	221122

### Input Shaft

1984-1980	K40, T40	
	Ball Bearing .....	206L
	Repair Sleeve .....	99098
	Seal .....	222535

1980	(W40)	
	Seal .....	223240

## 4-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

1984-1980	K40, T40	
	Ball Bearing .....	305L
	Seal .....	710306

1980	(W40)	
	Ball Bearing .....	RW122
	Seal .....	710319

### Countershaft

1982-1980	(T40)	
	Ball Bearing ; Frt .....	304L

1980	(W40)	
	Ball Bearing ; Frt .....	205L

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

2001-1991	E153	
	Seal .....	710143

1998-1994	(W58)	
	Repair Sleeve .....	99114
	Seal .....	1981

1992-1987	(R154)	
	Seal .....	223253

1992-1980	(W50, W55, W58)	
	Repair Sleeve .....	99114
	Seal .....	1981

1987-1980	(T50, T50A, K51)	
	Repair Sleeve .....	99098
	Seal .....	222535

### Rear Output Shaft

1998-1994	(W58)	
	Repair Sleeve .....	223840
	Seal .....	

1992-1987	(R154)	
	Repair Sleeve .....	99157
	Seal .....	3459

1992-1981	(W55, W58)	
	Repair Sleeve .....	223840
	Seal .....	

1987-1980	(T50, T50A, K51)	
	Ball Bearing .....	305L
	Seal .....	710306

1981-1980	(W50)	
	Ball Bearing .....	RW122
	Seal .....	710319

### Countershaft

1987-1980	(T50)	
	Ball Bearing ; Frt .....	304L
	Ball Bearing ; Rr .....	204

## 6-SPEED MANUAL TRANSMISSION

### Front Input Shaft

1998-1994	(Getrang V160)	
	Seal .....	223608

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- REAR DRIVE - Carina, Celica, Corolla, Corona, Corona Mark II, Cressida, Crown, MR2, Starlet, Supra (cont.)</b>					

## 6-SPEED MANUAL TRANSMISSION(cont)

<b>Rear Output Shaft</b>		
1998-1994	(Getrag V160)	
Seal .....		710364

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Differential</b>		
1986	(A141E)	
Seal .....		710416

<b>Torque Converter / Frt Pump</b>		
1995-1986	(A141E, A240E, A241E)	
Repair Sleeve .....		223830
Seal .....		

<b>Output Shaft</b>		
1995-1986	(A141E, A240E, A241E)	
Seal ; RH .....		710110
Seal ; LH .....		710109

<b>Selector Shaft Seal/Man. Shaft</b>		
1995-1986	(A141E, A240E, A241E)	
Repair Sleeve .....		221207
Seal .....		

<b>Input Shaft</b>		
1995-1987	(A240E, A241E)	
Repair Sleeve .....		99139
Seal .....		710138

## 5-SPEED MANUAL TRANSAXLE

<b>Output Shaft</b>		
1995-1990	E153	
Seal .....		710112
1995-1990	S54	
Repair Sleeve .....		99139
Seal .....		223540
1989-1988	(E51)	
Seal ; RH .....		710110
Seal Viton ; LH .....		224026
1989-1987	(C52)	
Seal ; RH .....		710110
Seal ; LH .....		710109

<b>Selector Shaft Seal/Man. Shaft</b>		
1995-1990	S54	
Repair Sleeve .....		221207
Seal .....		
1995-1987	(C52)	
Repair Sleeve .....		1015N
Seal .....		
1995-1987	E153	
Repair Sleeve .....		1015N
Seal .....		

<b>Input Shaft</b>		
1995-1990	E153	
Seal .....		710143

## 5-SPEED MANUAL TRANSAXLE(cont)

<b>Input Shaft(cont)</b>		
1995-1990	S54	
Seal Viton .....		710172
1989-1988	(E51)	
Seal .....		223010
1989-1987	(C52)	
Ball Bearing .....		101SS
Repair Sleeve .....		99098
Seal .....		320603

## ALTERNATOR

1995-1982	(Nippondenso 70 Amp.)	
Ball Bearing ; Rear End .....		302CC
1992-1985	(Nippondenso 100 Amp.)	
Ball Bearing ; Rear End .....		302CC
1992-1982	(Nippondenso 80 Amp.)	
Ball Bearing ; Rear End .....		302CC
1987	(Nippondenso 50 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
1987	(Nippondenso 55 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
1987	(Nippondenso 60 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
1986-1980	(Nippondenso 50 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF
1986-1980	(Nippondenso 55 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		203FF
1984-1980	(Nippondenso 60 Amp.)	
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
1982-1981	(Nippondenso 40 Amp.)	
Ball Bearing ; Rear End .....		201S
Ball Bearing ; Drive End .....		203FF
1982-1981	(Nippondenso 45 Amp.)	
Ball Bearing ; Rear End .....		201S
Ball Bearing ; Drive End .....		203FF

## MANUAL STEERING

<b>Sector Shaft</b>		
1982-1980	Celica, Corolla, Corona	
Seal .....		222820

## CAMSHAFT SEAL

<b>4 Cylinder</b>		
1995-1991	1998cc/2.0L (Turbo)	
Seal .....		1987
1995-1991	2164cc/2.2L	
Seal .....		223800

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA- REAR DRIVE - Carina, Celica, Corolla, Corona, Corona Mark II, Cressida, Crown, MR2, Starlet, Supra (cont.)</b>					

## CAMSHAFT SEAL(cont)

### 4 Cylinder(cont)

1989-1983	1456cc/1.5L, 1497cc/1.5L, 1587cc/1.6L, 1762cc/1.8L	
Seal .....		1987

### 6 Cylinder

1998-1993	2997cc/3.0L	
Seal .....		710436
1992-1986	2954/3.0L	
Seal .....		1987
1982-1981	2759cc/2.8L	
Seal .....		710318

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2005-2000	All	
Seal .....		223802
1995-1986	1998cc/2.0L (DOHC & TURBO)	
Seal Viton .....		2025
1985-1980	2189cc/2.2L, 2366cc/2.4L	
Seal .....		710345
1984-1980	1290cc/1.3L, 1770cc/1.8L	
Seal .....		710318

### 6 Cylinder

1998-1993	2997cc/3.0L (DOHC & TURBO)	
Seal .....		224663
1992-1986	2954cc/3.0L (DOHC & TURBO)	
Seal .....		710187
1982	2759cc/2.8L (DOHC)	
Seal .....		710313
1982-1981	2759cc/2.8L	
Seal .....		710345
1980	2563cc/2.6L	
Seal .....		320564

## CRANKSHAFT REAR SEAL

### 4 Cylinder

1995-1991	1998cc/2.0L (Turbo)	
Seal Viton .....		710189

## CRANKSHAFT REAR SEAL(cont)

### 4 Cylinder(cont)

1995-1991	2164cc/2.2L	
Seal .....		716102
1989-1983	1587cc/1.6L	
Repair Sleeve .....		99272
Seal .....		227045
1985-1981	2366cc/2.4L	
Seal .....		228010
1984-1981	1290cc/1.3L	
Repair Sleeve .....		99272
Seal .....		227045
1982-1980	1770cc/1.8L	
Seal .....		227550
1980	1858cc/1.9L, 1968cc/2.0L, 2189cc/2.2L	
Seal .....		228010

### 6 Cylinder

1998-1993	2997cc/3.0L (DOHC & TURBO)	
Seal Viton .....		229005
1992-1986	2954cc/3.0L (DOHC & TURBO)	
Seal .....		228010
1982-1980	2563cc/2.6L, 2759cc/2.8L	
Seal .....		228010

# TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner

## FRONT WHEEL

### 2WD

2006-2003	4Runner	
Bearing Assm .....		515040

## FRONT WHEEL(cont)

### 2WD(cont)

2006-2001	Highlander	
Ball Bearing .....		510063

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner (cont.)</b>					

<b>FRONT WHEEL(cont)</b>			<b>FRONT WHEEL(cont)</b>		
<b>2WD(cont)</b>			<b>4WD/AWD(cont)</b>		
2006-2001	Sequoia		2006-1998	Land Cruiser	
	Wheel Brg .....	517011		Cone/Cup ; Inner .....	JLM506849A-JLM506810
2005-2004	Sienna			Seal ; Inner .....	
	Ball Bearing .....	510063	2005-2004	Sienna	
2005-2001	RAV4			Ball Bearing .....	510063
	Ball Bearing .....	510006	2005-2001	RAV4	
2005-2000	Tundra			Ball Bearing .....	510006
	Wheel Brg .....	517011	2005-2000	Tundra	
2004-1996	Tacoma (PreRunner)			Seal ; Outer .....	1956
	Wheel Brg .....	517011		Wheel Brg .....	517011
2004-1995	Tacoma (Exc. PreRunner)		2004-1995	Tacoma	
	Seal ; Inner .....	1948		Wheel Brg .....	517011
	Cup/Cone; Inner .....	A5	2002-1996	4Runner	
	Cup/Cone; Outer .....	A3		Seal ; Outer .....	1956
2003-1998	Sienna			Wheel Brg .....	517011
	Ball Bearing .....	510006	2000-1996	RAV4	
2002-1996	4Runner			Seal ; Inner .....	4899
	Wheel Brg .....	517011		Seal ; Outer .....	1884
2000-1996	RAV4			Ball Bearing ; Inner .....	514002
	Seal ; Inner .....	4899	1997-1993	T100	
	Seal ; Outer .....	1884		Cone/Cup ; Inner .....	JLM104948-JLM104910
	Ball Bearing ; Inner .....	514002		Seal ; Inner .....	710092
1998-1993	T100			Seal ; Outer .....	710266
	Seal ; Inner .....	1948	1997-1991	Previa	
1997-1991	Previa			Seal ; Inner .....	225678
	Seal ; Inner .....	225678		Seal ; Outer .....	226150
	Seal ; Outer .....	226150		Wheel Brg; Inner .....	517003
	Wheel Brg; Inner .....	517003	1997-1980	Land Cruiser	
1995-1984	4Runner			Cone/Cup ; Inner .....	JLM104948-JLM104910
	Seal ; Inner .....	1948		Seal ; Inner .....	226285
	Cup/Cone; Inner .....	A5	1995-1984	4Runner	
	Cup/Cone; Outer .....	A3		Cone/Cup ; Inner .....	JLM104948-JLM104910
1995-1980	Pickup (Exc. T100)			Seal ; Inner .....	710092
	Seal ; Inner .....	1948	1995-1980	Pickup (4WD) (Exc. T100)	
	Cup/Cone; Inner .....	A5		Cone/Cup ; Inner .....	JLM104948-JLM104910
	Cup/Cone; Outer .....	A3		Seal ; Inner .....	710092
1988	Van Wagon		1989-1987	Van (4WD)	
	Seal ; Inner .....	224820		Seal ; Inner .....	226610
	Cup/Cone; Inner .....	A6		Wheel Brg; Inner .....	517012
	Cup/Cone; Outer .....	A2	<b>REAR WHEEL</b>		
<b>4WD/AWD</b>			2006-2004	Sienna (Disc)	
2008-2005	Tacoma			Hub Assembly .....	512281
	Hub Assembly .....	515040	2006-2003	4Runner	
2006-2003	4Runner			Bearing Assm; LH .....	512227
	Bearing Assm .....	515040		Bearing Assm; RH .....	512228
2006-2001	Highlander		2006-2001	Sequoia	
	Ball Bearing .....	510063		Hub Assembly .....	512211
2006-2001	Sequoia		2006-1998	RAV4 (FWD) (ABS)	
	Wheel Brg .....	517011		Hub Assembly .....	512212
			2006-1997	RAV4 (FWD) (Non-ABS)	
				Hub Assembly .....	512213

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner (cont.)</b>					

## REAR WHEEL(cont)

<b>2005-2000</b>	<b>Tundra</b>	
Ball Bearing	.....	511031
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
<b>2005-1998</b>	<b>Land Cruiser</b>	
Ball Bearing	.....	510011
<b>2004-2001</b>	<b>Tacoma</b>	
Ball Bearing	.....	511031
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
<b>2003-2001</b>	<b>Highlander (4WD)</b>	
Ball Bearing	.....	514002
Seal ; Outer	.....	225275
<b>2003-2001</b>	<b>Highlander (FWD)</b>	
Hub Assembly; RH	.....	512207
Hub Assembly; LH	.....	512206
<b>2003-1998</b>	<b>Sienna (ABS)</b>	
Hub Assembly	.....	512041
<b>2002-2001</b>	<b>4Runner</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	511031
<b>2000-1996</b>	<b>RAV4 (4WD)</b>	
Bearing Assm	.....	512038
<b>2000-1995</b>	<b>Tacoma (ABS)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	511021
<b>2000-1995</b>	<b>Tacoma (Non-ABS)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	RW130R
<b>2000-1990</b>	<b>4Runner (ABS)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	511021
<b>2000-1984</b>	<b>4Runner (Non-ABS)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	RW130R
<b>1998-1993</b>	<b>T100 (ABS)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	511021
<b>1998-1993</b>	<b>T100 (Non-ABS)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	RW130R
<b>1997-1991</b>	<b>Previa (ABS) (Disc)</b>	
Seal ; Inner	.....	710178
Seal ; Outer	.....	1955
Ball Bearing ; Inner	.....	510005

## REAR WHEEL(cont)

<b>1997-1991</b>	<b>Previa (Non-ABS) (Drum)</b>	
Seal ; Inner	.....	710178
Seal ; Outer	.....	1955
Ball Bearing ; Inner	.....	511001
<b>1997-1990</b>	<b>Land Cruiser (Semi Floating Axle)</b>	
Seal	.....	1959
Cyl. Bearing	.....	513008
<b>1997-1980</b>	<b>Land Cruiser (Full Floating Axle)</b>	
Cone/Cup ; Inner	JLM104948-JLM104910	
Seal ; Inner	.....	226285
Seal ; Outer	.....	710076
<b>1995-1991</b>	<b>Pickup (SRW) (ABS)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	511021
<b>1995-1986</b>	<b>Pickup (DRW) (Full Floating Axle)</b>	
Cone/Cup ; Inner	JLM104948-JLM104910	
Seal ; Inner	.....	226285
Seal ; Outer	.....	710076
<b>1995-1980</b>	<b>Pickup (SRW) (Semi Floating Axle)</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	RW130R
<b>1989-1980</b>	<b>Land Cruiser (Semi Floating Axle) (Exc. Locking Diff.)</b>	
Seal	.....	1959
Cyl. Bearing	.....	513008
<b>1989-1980</b>	<b>Land Cruiser (Semi Floating Axle) (Locking Diff.)</b>	
Seal	.....	710076
Cyl. Bearing	.....	513008
<b>1988</b>	<b>Van Wagon</b>	
Ball Bearing	.....	514001
Seal	.....	1955
<b>1985-1984</b>	<b>Van Wagon</b>	
Ball Bearing	.....	RW124R
Seal	.....	1955
<b>1985-1980</b>	<b>Hi Lux</b>	
Seal ; Inner	.....	1960
Seal ; Outer	.....	1956
Ball Bearing ; Inner	.....	RW130R

## 4WD FRONT AXLE

### Differential

<b>2002-1991</b>	<b>(8.875" R.G.)</b>	
Cone/Cup	.....	32010X
<b>1989-1986</b>	<b>(IFS 7.5" R.G.)</b>	
Seal	.....	710419

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner (cont.)</b>					

<b>4WD FRONT AXLE(cont)</b>			<b>REAR AXLE(cont)</b>		
<b>Pinion</b>			<b>Pinion(cont)</b>		
2004-1969	(IFS 7.5" R.G.)		1995-1980	(7.8" R.G.)	
Seal	.....	1177	Seal	.....	1177
Cone/Cup ; Outer	.....	30025	Cone/Cup ; Outer	.....	30306
Cone/Cup ; Inner	.....	32307	Cone/Cup ; Inner	.....	32307
2002-1991	(8.875" R.G.)		1990-1987	(7.1" R.G.)	
Seal	.....	1177	Seal	.....	1177
1997-1987	(6.7" R.G.)		Cone/Cup ; Outer	.....	30306
Seal	.....	1176	Cone/Cup ; Inner	.....	32307
Cone/Cup ; Outer	.....	M86649-M86610	1990-1982	(9.5" R.G.)	
Cone/Cup ; Inner	.....	HM88649-HM88610	Seal	.....	1177
1990-1982	(9.5" R.G.)		Cone/Cup ; Outer	.....	30306
Cone/Cup ; Outer	.....	30306	Cone/Cup ; Inner	.....	32307
Seal ; Outer	.....	1177	1981-1980	(9.25" R.G.)	
1985-1980	(7.8" R.G.)		Seal	.....	1177
Seal	.....	1177	Cone/Cup ; Inner	.....	
Cone/Cup ; Outer	.....	30306	<b>CLUTCH</b>		
Cone/Cup ; Inner	.....	32307	<b>Pilot Bearing</b>		
1981-1980	(9.25" R.G.)		2002-2001	Highlander	
Seal	.....	1177	Ball Bearing	.....	201CC
Cone/Cup ; Inner	.....		2002-2001	Sequoia	
<b>Axle Shaft</b>			Ball Bearing	.....	201CC
2002-1986	(IFS 7.5", 6.7" R.G.)		2002-2000	Tundra	
Ball Bearing	.....	B30	Ball Bearing	.....	201CC
1985-1980	(7.8" R.G.)		2002-1998	Sienna	
Seal	.....	710070	Ball Bearing	.....	201CC
<b>Steering Knuckle</b>			2002-1996	RAV4	
1990-1980	(9.25", 9.5" R.G.)		Ball Bearing	.....	201CC
Cone/Cup	.....	30303	2002-1995	Tacoma	
<b>REAR AXLE</b>			Ball Bearing	.....	201CC
<b>Differential</b>			2002-1984	4Runner	
2005-1996	(6.7" R.G.)		Ball Bearing	.....	201CC
Seal	.....	710419	2002-1980	Land Cruiser (Gas)	
Cup/Cone	.....	A35	Ball Bearing	.....	201CC
2005-1991	(8.875" R.G.)		1998-1993	T100	
Cone/Cup	.....	32010X	Ball Bearing	.....	201CC
<b>Pinion</b>			1994-1980	Pickup	
2005-1996	(6.7" R.G.)		Ball Bearing	.....	201CC
Seal	.....	1176	1991-1980	Hi Lux	
Cone/Cup ; Outer	.....	M86649-M86610	Ball Bearing	.....	201CC
Cone/Cup ; Inner	.....	HM88649-HM88610	1984	Van Wagon	
2002-1993	(8.25" R.G.)		Ball Bearing	.....	201CC
Seal	.....	710525	1984-1980	Land Cruiser, Diesel	
Cone/Cup ; Outer	.....	HM88649-HM88610	Ball Bearing	.....	201CC
2002-1991	(8.875" R.G.)		1984-1980	Pickup	
Seal	.....	1177	Ball Bearing	.....	201CC
			<b>Release Bearing</b>		
			2003-2000	Tundra	
			Bearing Assembly	.....	614162
			2002-2001	Sequoia	
			Bearing Assembly	.....	614162

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner (cont.)</b>					

## CLUTCH(cont)

### Release Bearing(cont)

2002-1998	Land Cruiser	
	Bearing Assembly .....	614162
2002-1998	Sienna	
	Bearing Assembly .....	614086
2002-1996	4Runner 6 Cyl	
	Bearing Assembly .....	614162
2002-1996	RAV4	
	Bearing Assembly .....	614084
2002-1995	Tacoma 4 Cyl	
	Bearing Assembly .....	614088
2002-1995	Tacoma 6 Cyl	
	Bearing Assembly .....	614162
2000-1989	4Runner L4	
	Bearing Assembly .....	614088
1998-1995	T100 6 Cyl	
	Bearing Assembly .....	614162
1998-1994	T100 L4	
	Bearing Assembly .....	614088
1995-1989	4Runner 6 Cyl	
	Bearing Assembly .....	614086
1995-1989	Pickup	
	Bearing Assembly .....	614086
1994-1993	T100 6 Cyl	
	Bearing Assembly .....	614086
1993-1989	Land Cruiser, Gas	
	Bearing Assembly .....	614086

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

1980	(A40)	
	Seal .....	710319

### Torque Converter

1980	(A40)	
	Repair Sleeve .....	223830
	Seal .....	

## 4-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

2003-1985	(A340E, A340F, A340H, A343F)	
	Repair Sleeve .....	99157
	Seal .....	3459
1997-1985	(A440H, A440L, A442F)	
	Seal .....	224820
1997-1984	(A46DE, A46DF, A44DL, A45DL)	
	Seal .....	710319

### Selector Shaft Seal/Man. Shaft

2002-1985	All	
	Repair Sleeve .....	221207
	Seal .....	

## 4-SPEED AUTOMATIC TRANSMISSION(cont)

### Torque Converter

2003-2000	(A46DE, A46DF, A44DL, A45DL, A340E, A340H, A343F)	
	Repair Sleeve .....	223830
	Seal .....	
1999-1984	(A46DE, A46DF, A44DL, A45DL, A340E, A340H, A343F)	
	Repair Sleeve .....	223830
	Seal .....	
1997-1985	(A440H, A440L, A442F)	
	Seal Viton .....	2025

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

1995-1981	(G40, N40, W42, W46)	
	Repair Sleeve .....	99114
	Seal .....	1981
1988-1980	(H41, H42)	
	Repair Sleeve .....	99112
	Seal .....	1989
1983-1981	(L45, L48)	
	Seal .....	223240
1980	(L43)	
	Ball Bearing .....	207L
	Seal .....	710327

### Rear Output Shaft

1995-1984	(G40, W46)	
	Repair Sleeve .....	223840
	Seal .....	
1988-1980	(H41, H42)	
	Seal .....	710323
1984-1983	(W42)	
	Ball Bearing .....	RW122
	Repair Sleeve .....	223840
	Seal .....	
1983-1980	(L40, L42, L43, L45, L48)	
	Ball Bearing .....	306L
	Seal .....	710319
1982-1981	(N40)	
	Seal .....	1177

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

2002-1995	(W55, W56, G58, W58, W59)	
	Repair Sleeve .....	99114
	Seal .....	1981
2002-1985	(R150, R150F, R151F, R154)	
	Seal .....	223253

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner (cont.)</b>					

## 5-SPEED MANUAL TRANSMISSION(cont)

<b>Front Input Shaft(cont)</b>		
1994-1980	(G50, G52, G53, G54, G57, G58, G59, W50, W52, W55, W56, W58)	
Repair Sleeve	.....	99114
Seal	.....	1981
1987-1983	(H52)	
Repair Sleeve	.....	99112
Seal	.....	1989
1984-1980	(L50, L52)	
Seal	.....	223240
<b>Rear Output Shaft</b>		
2002-1995	(W55, W56, G58, W58, W59)	
Repair Sleeve	.....	223840
Seal	.....	
2002-1985	(R150, R150F, R151F, R154)	
Repair Sleeve	.....	99157
Seal	.....	3459
1994-1983	(G50, G52, G53, G54, G57, G58, G59, W50, W52, W55, W56, W58)	
Seal	.....	710319
1987-1983	(H52)	
Seal	.....	710321
1985-1980	(W50, W52)	
Ball Bearing	.....	RW122
Seal	.....	710319
1984-1980	(L50, L52)	
Seal	.....	710319

## 4-SPEED AUTOMATIC TRANSAXLE

<b>Torque Converter / Frt Pump</b>		
2002-1996	All	
Repair Sleeve	.....	223830
Seal	.....	
<b>Output Shaft</b>		
2002-1996	(A240E, A241E)	
Seal ; RH	.....	710110
Seal ; LH	.....	710109
2002-1996	(A540E, A540H)	
Seal ; RH	.....	710112
Seal ; LH	.....	712551
<b>Selector Shaft Seal/Man. Shaft</b>		
2002-1996	All	
Repair Sleeve	.....	221207
Seal	.....	
<b>Input Shaft</b>		
2002-1996	(A240E, A241E)	
Repair Sleeve	.....	99139
Seal	.....	710138

## TRANSFER CASE

<b>Input Shaft</b>		
2004-1980	(RF1A) (M/T)	
Ball Bearing	.....	307L

## TRANSFER CASE(cont)

<b>Input Shaft(cont)</b>		
1997-1990	(HF2A, HF2AV)	
Seal	.....	224810
1989-1982	(H55F) (A/T)	
Ball Bearing	.....	210CC
Seal	.....	224874
1987-1982	(H55F) (M/T)	
Ball Bearing	.....	207
Seal	.....	224872
<b>Front Output Shaft</b>		
2004-1988	(VF1A) (A/T)	
Seal	.....	710140
2004-1988	(VF1A) (M/T)	
Seal	.....	710114
2002-1980	(RF1A) (A/T)	
Seal	.....	225874
2002-1980	(RF1A) (M/T)	
Ball Bearing	.....	308L
Repair Sleeve	.....	223840
Seal	.....	
1997-1991	(TF1AV)	
Seal	.....	710319
1997-1990	(HF2A, HF2AV)	
Ball Bearing	.....	224815
Seal	.....	
1989-1985	(H55F) (2nd design)	
Seal	.....	224815
1985-1982	(H55F) (1st design)	
Seal	.....	224874
<b>Rear Output Shaft</b>		
2004-1980	(RF1A)	
Repair Sleeve	.....	223840
Seal	.....	
2002-1988	(VF1A) (A/T)	
Seal	.....	710140
2002-1988	(VF1A) (M/T)	
Seal	.....	710114
1997-1991	(TF1AV)	
Seal	.....	710254
1997-1990	(HF2A, HF2AV)	
Ball Bearing	.....	110
Seal	.....	710173
1989-1982	(H55F)	
Cone/Cup	.....	30307
<b>Idler Shaft</b>		
2004-1980	(RF1A) (M/T)	
Ball Bearing	.....	306L

## POWER STEERING

<b>Pump Shaft</b>		
2001-1996	Tacoma, T100, 4Runner (L4 Eng)	
Seal	.....	710251

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner (cont.)</b>					

## POWER STEERING(cont)

### Pump Shaft(cont)

2000-1996	RAV4	
Seal .....		710156
1997-1991	Previa	
Seal .....		710251
1995	4Runner	
Seal .....		710156
1995-1994	Tacoma, T100 (L4 Eng)	
Seal .....		710251
1994-1990	Land Cruiser, Pickup, 4Runner, Van Wag	
Seal .....		710156
1989-1980	All	
Ball Bearing .....		203
Seal .....		222450

### Worm Shaft

2000-1996	RAV4	
Seal ; Upper .....		710154
Seal ; Lower .....		710155

### Sector Shaft

1991-1983	Pickup	
Seal .....		223400
1991-1981	Land Cruiser	
Seal .....		223210
1982-1980	Pickup	
Seal .....		222820

## MANUAL STEERING

### Worm Shaft

1988-1984	4Runner	
Seal .....		221820
1988-1980	Pickup	
Seal .....		221820

### Pitman Shaft

1997-1993	Tacoma, T100	
Seal .....		221510
1985-1980	Land Cruiser	
Seal .....		223605

### Sector Shaft

1991-1984	4Runner	
Seal .....		223400
1991-1983	Pickup	
Seal .....		223400
1982-1980	Pickup	
Seal .....		222820

## CAMSHAFT SEAL

### 4 Cylinder

2003-1996	1998cc/2.0L (DOHC)	
Seal .....		1987
1985-1984	1998cc/2.0L	
Seal .....		1987

## CAMSHAFT SEAL(cont)

### 4 Cylinder(cont)

1985-1981	2188cc/2.2L (Diesel), 2446cc/2.4L (Diesel)	
Seal Viton .....		2025

### 6 Cylinder

2003-1996	2995cc/3.0L, 3311cc/3.3L 3378cc/3.4L	
Seal .....		223802
1995-1988	2958cc/3.0L	
Repair Sleeve .....		224205
Seal .....		

### 8 Cylinder

2006-1998	4664cc/4.7L	
Seal .....		223801

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2003-2001	2398cc/2.4L	
Seal .....		223802
2003-1996	1998cc/2.0L	
Seal Viton .....		2025
2000-1991	2438cc/2.4L, 2693cc/2.7L	
Repair Sleeve .....		99189
Seal .....		224840
1995-1980	2189cc/2.2L, 2366cc/2.4L	
Seal .....		710345
1985-1981	1998cc/2.0L, 2188cc/2.2L, 2446cc/2.4L	
Seal Viton .....		2025
1985-1981	3168cc/3.2, 3431cc/3.4L (Diesels)	
Seal .....		225040

### 6 Cylinder

2006-2004	3300cc/3.3L	
Repair Sleeve .....		99157
Seal .....		224020
2004-1988	2958cc/3.0L, 3378cc/3.4L	
Repair Sleeve .....		99157
Seal .....		224020
1997-1993	4476cc/4.5L	
Seal .....		710187
1992-1980	3955cc/4.0L, 4230cc/4.2L	
Seal .....		710345

### 8 Cylinder

2006-2000	285/4.7L	
Repair Sleeve .....		99157
Seal .....		224020

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2004-1991	2438cc/2.4L, 2693cc/2.7L	
Seal Viton .....		710188
2003-2001	1998cc/2.0L	
Seal Viton .....		710189
2000-1996	1998cc/2.0L	
Seal .....		716102

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>TOYOTA TRUCK- PICKUP, MINIVAN, SUV - Highlander, Highlander AWD, Landcruiser, Pickup, Previa, RAV4, RAV4 4WD, Sequoia, Sienna, Tacoma, T100, Van, 4Runner (cont.)</b>					

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>4 Cylinder(cont)</b>		
1995-1987	1858cc/1.9L, 1968cc/2.0L, 2189cc/2.2L, 2237cc/2.2L, 2366cc/2.4L	
Seal .....		228010
1985-1981	2188cc/2.2L (Diesel), 2446cc/2.4L (Diesel)	
Seal .....		716102
<b>6 Cylinder</b>		
2006-2004	3300cc/3.3L	
Seal Viton .....		229210
2004-1995	2958cc/3.0L, 2995cc/3.0L, 3378cc/3.4L	
Seal Viton .....		229210
1997-1993	4476cc/4.5L	
Seal .....		231004
1987-1980	3878cc/3.9L, 4230cc/4.2L	
Seal .....		231004

<b>CRANKSHAFT REAR SEAL(cont)</b>		
<b>8 Cylinder</b>		
2006-1998	4664cc/4.7L	
Seal Viton .....		710352

## TRIUMPH-

<b>FRONT WHEEL</b>		
1982-1980	TR7, TR8	
Seal ; Inner .....		480991
Cup/Cone; Inner .....		A4
Cup/Cone; Outer .....		A1
1980	Spitfire	
Cone/Cup ; Outer .....		03062-03162
Cone/Cup ; Inner .....		07100S-07210X
Seal ; Inner .....		480991

<b>REAR WHEEL</b>		
1981-1980	TR7 (5 Spd.)	
Seal ; Inner .....		223535
Seal ; Outer .....		224100
Repair Sleeve; Inner .....		99139
1981-1980	TR8	
Seal ; Inner .....		223535
Seal ; Outer .....		224100
Repair Sleeve; Inner .....		99139
1980	Spitfire	
Seal ; Inner .....		471224
Ball Bearing ; Outer .....		LS10

<b>REAR AXLE</b>		
<b>Differential</b>		
1981-1980	TR7 (Integral Carrier)	
Cup/Cone .....		A16
1981-1980	TR7 (Removable Carrier)	
Cup/Cone .....		A13
1981-1980	TR8 (Integral Carrier)	
Cup/Cone .....		A16

<b>REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
1981-1980	TR8 (Removable Carrier)	
Cup/Cone .....		A13
1980	Spitfire	
Cup/Cone .....		A6
<b>Pinion</b>		
1981-1980	TR7 (Integral Carrier)	
Seal .....		223020
Cone/Cup ; Outer .....		M88046-M88010
Cone/Cup ; Inner .....		HM88649-HM88610
1981-1980	TR7 (Removable Carrier)	
Cone/Cup ; Outer .....		M84548-M84510
Cone/Cup ; Inner .....		
1981-1980	TR8 (Integral Carrier)	
Seal .....		223020
Cone/Cup ; Outer .....		M88046-M88010
Cone/Cup ; Inner .....		
1981-1980	TR8 (Removable Carrier)	
Cone/Cup ; Outer .....		M84548-M84510
Cone/Cup ; Inner .....		
1980	Spitfire	
Cone/Cup ; Outer .....		M84548-M84510
Cone/Cup ; Inner .....		

<b>5-SPEED MANUAL TRANSMISSION</b>		
<b>Extension Housing</b>		
1981-1980	All	
Ball Bearing .....		205

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## TRIUMPH- (cont.)

### 5-SPEED MANUAL TRANSMISSION(cont)

#### Rear Output Shaft

1981-1980	Rover CL (TR7, TR8) (Frt. input)	
	Cup/Cone .....	A6
1981-1980	Rover CL (TR7, TR8) (Rr. output)	
	Cup/Cone; Frt .....	A1
	Cup/Cone; Rr .....	A6
1981-1980	Rover CL (TR7, TR8) (center)	
	Cup/Cone .....	A6
1981-1980	spigot	
	Cup/Cone .....	A1

#### Countershaft

1981-1980	Rover CL (TR7, TR8) (Frt. and Rr.)	
	Cup/Cone .....	A4

### CRANKSHAFT FRONT SEAL

#### 4 Cylinder

1981-1980	1998cc/2.0L	
	Seal .....	50266
1980	1493cc/1.5L	
	Seal .....	472397

### CRANKSHAFT REAR SEAL

#### 8 Cylinder

1981-1980	3528cc/3.5L	
	Seal .....	5591

## TVR- ALL

### REAR WHEEL

1988-1982	All	
	Cone/Cup ; Outer .....	18690-18620
	Cone/Cup ; Inner .....	18590-18520
1981-1980	All	
	Cone/Cup ; Outer .....	LM29749-LM29710
	Seal ; Inner .....	223510
	Cup/Cone; Inner .....	A4

### REAR AXLE

#### Pinion

1988-1984	280i	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	HM89446-HM89410
1988-1982	Tasmin	
	Cone/Cup ; Outer .....	M88043-M88010
	Cone/Cup ; Inner .....	HM89446-HM89410

### REAR AXLE(cont)

#### Pinion(cont)

1985-1980	3000S	
	Seal .....	470487N
	Cone/Cup ; Outer .....	15100-15245
	Cone/Cup ; Outer .....	
	Cone/Cup ; Inner .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## UD TRUCK- LIGHT - 1100 Series

<b>FRONT WHEEL</b>			<b>REAR WHEEL</b>		
1991-1989	All		1991-1989	All	
	Cone/Cup ; Outer .....	32305		Cone/Cup ; Outer .....	32011X
	Cone/Cup ; Inner .....	32208		Cone/Cup ; Inner .....	
<b>CLUTCH</b>					
<b>Release Bearing</b>					
1991-1989	4 Cyl 3.5L Turbo Diesel				
	Bearing Only .....				613015

## UD TRUCK- LIGHT - 1100 Series (cont.)

<b>CLUTCH(cont)</b>		
<b>Release Bearing(cont)</b>		
1991-1989	4 Cyl 3.5L Turbo Diesel	
	Bushing .....	PB22

## UD TRUCK- MEDIUM - C, 550, 600, 1800, 2000 - 3300 Series, Xpress

<b>FRONT WHEEL</b>			<b>REAR AXLE</b>		
1993-1989	CLA83, CMA83, 2300		<b>Pinion</b>		
	Cone/Cup .....	32211	1993-1987	LFE400	
<b>REAR WHEEL</b>				Cone/Cup ; Outer .....	30309
1993-1989	2600, 2800			Cone/Cup ; Inner .....	
	Cone/Cup ; Inner .....	32215			
	Seal ; Inner .....				
	Seal ; Outer .....				
1993-1989	3300, 600				
	Cone/Cup ; Inner .....	32215			
1993-1989	CLA83, CMA83, 1800, 2000, 2300				
	Cone/Cup ; Inner .....	32215			

## VAUXHALL- ALL

<b>FRONT WHEEL</b>		
1980	Viva Ser.	
	Cup/Cone; Inner .....	A4
	Cup/Cone; Outer .....	A1

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLKSWAGEN- Cabrio, Cabriolet, Corrado, Dasher, Fox, Golf, GTI, Jetta, New Beetle, Passat, Rabbit, Scirocco, Quantum, Quantum Synchro</b>					

## FRONT WHEEL

<b>2006</b>	<b>Rabbit / GTI</b>	
Ball Bearing .....		510003
<b>2006-1998</b>	<b>New Beetle</b>	
Ball Bearing .....		510003
<b>2005-2000</b>	<b>Golf</b>	
Ball Bearing .....		510003
<b>2005-1999</b>	<b>Jetta</b>	
Ball Bearing ; Thru 12/2004 .....		510003
<b>2004-1998</b>	<b>Passat (4 Cyl.)</b>	
Ball Bearing .....		510020
<b>2004-1998</b>	<b>Passat (6 Cyl.)</b>	
Ball Bearing .....		510019
<b>2002-1995</b>	<b>Cabrio</b>	
Ball Bearing .....		510004
<b>1999-1995</b>	<b>Golf (4 Cyl.)</b>	
Ball Bearing .....		510003
<b>1999-1995</b>	<b>Golf (6 Cyl.)</b>	
Ball Bearing .....		510004
<b>1998-1987</b>	<b>Jetta (From 8/1987) (Ch. #J010565)</b>	
Ball Bearing .....		510004
<b>1997-1990</b>	<b>Passat</b>	
Ball Bearing .....		510004
<b>1994-1990</b>	<b>Corrado</b>	
Ball Bearing .....		510004
<b>1994-1988</b>	<b>Golf, GTI (From Ch. #17J013200)</b>	
Ball Bearing .....		510004
<b>1993-1987</b>	<b>Fox</b>	
Ball Bearing .....		513014
<b>1993-1985</b>	<b>Cabriolet</b>	
Ball Bearing .....		B35
<b>1989-1980</b>	<b>Scirocco</b>	
Ball Bearing .....		B35
<b>1988-1985</b>	<b>Golf, GTI (Thru Ch. # 17J013199)</b>	
Ball Bearing .....		513021
<b>1988-1982</b>	<b>Quantum, Quantum Synchro</b>	
Ball Bearing .....		513014
<b>1987-1985</b>	<b>Jetta (Thru 7/1987) (Ch. #J010564)</b>	
Ball Bearing .....		513021
<b>1984-1980</b>	<b>Jetta</b>	
Ball Bearing .....		B35
<b>1984-1980</b>	<b>Rabbit, Rabbit Convertible</b>	
Ball Bearing .....		B35
<b>1980</b>	<b>Dasher</b>	
Ball Bearing .....		513014

## REAR WHEEL

<b>2005</b>	<b>Golf</b>	
Hub Assembly .....		512012
<b>2004</b>	<b>Golf (Exc. R32)</b>	
Hub Assembly .....		512012
<b>2004</b>	<b>Golf (R32)</b>	
Ball Bearing .....		510003
<b>2004-1999</b>	<b>Jetta</b>	
Hub Assembly .....		512012
<b>2004-1998</b>	<b>New Beetle</b>	
Hub Assembly .....		512012

## REAR WHEEL(cont)

<b>2004-1998</b>	<b>Passat</b>	
Hub Assembly .....		512187
<b>2003-1999</b>	<b>Golf</b>	
Hub Assembly .....		512012
<b>2002-1995</b>	<b>Cabrio</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1
<b>1998</b>	<b>Golf, Jetta</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1
<b>1997-1980</b>	<b>(Exc. Fox &amp; Synchro Models)</b>	
Seal ; Inner .....		1962
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1
<b>1993-1987</b>	<b>Fox</b>	
Seal ; Inner .....		1174
Cup/Cone; Inner .....		A15
Cup/Cone; Outer .....		A1
<b>1988-1986</b>	<b>Quantum Synchro</b>	
Ball Bearing .....		513014

## REAR AXLE

### Differential

<b>2002-2001</b>	<b>Passat (AWD)</b>	
Cone/Cup ; LH .....	LM300849-LM300811	
Seal ; RH .....		224520
Cup/Cone; RH .....		A35
<b>1988-1986</b>	<b>Quantum Synchro</b>	
Seal ; RH .....		224520
Cup/Cone; LH .....		A37
Cup/Cone; RH .....		A35

### Pinion

<b>2002-2001</b>	<b>Passat (AWD)</b>	
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	HM801346X-HM801310	
<b>1988-1986</b>	<b>Quantum Synchro</b>	
Ball Bearing .....		206
Cone/Cup ; Outer .....	M88048-M88010	
Cone/Cup ; Inner .....	HM801346X-HM801310	

## CLUTCH

### Pilot Bearing

<b>2002-1998</b>	<b>6 Cyl</b>	
Needle Bearing .....		F212285
<b>2002-1974</b>	<b>4 Cyl</b>	
Needle Bearing .....		F85265

### Release Bearing

<b>2002</b>	<b>4 Cyl 1.8L, w/ 220mm Clutch</b>	
Bearing Assembly .....		614111
<b>2002-2001</b>	<b>4 Cyl 1.9L, w/ 220mm Clutch</b>	
Bearing Assembly .....		614111
<b>2002-1998</b>	<b>4 Cyl 1.8L DOHC, w/ 215mm Clutch</b>	
Bearing Assembly .....		614111

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLKSWAGEN- Cabrio, Cabriolet, Corrado, Dasher, Fox, Golf, GTI, Jetta, New Beetle, Passat, Rabbit, Scirocco, Quantum, Quantum Synchro (cont.)</b>					

<b>CLUTCH(cont)</b>		
<b>Release Bearing(cont)</b>		
2002-1998	4 Cyl 1.8L DOHC, w/ 228mm Clutch	
	Bearing Assembly .....	614073
2002-1998	4 Cyl 1.9L, w/ 215mm Clutch	
	Bearing Assembly .....	614111
2002-1998	4 Cyl 2.0L, w/ 215mm Clutch	
	Bearing Assembly .....	614111
2002-1993	4 Cyl 2.0L, w/ 210mm Clutch	
	Bearing Assembly .....	613000
2002-1992	6 Cyl 2.8L DOHC VR6, w/ 228mm Clutch	
	Bearing Assembly .....	614111
1998	4 Cyl 1.9L, w/ 228mm Clutch	
	Bearing Assembly .....	614073
1993-1990	4 Cyl 2.0L DOHC, w/ 228mm Clutch	
	Bearing Assembly .....	614111
1993-1987	4 Cyl 1.8L, w/ 210mm Clutch (VW014)	
	Bearing Assembly .....	614015
1992-1990	4 Cyl 1.8L SOHC, w/ 228mm Clutch	
	Bearing Assembly .....	614111
1992-1990	4 Cyl 2.0L DOHC, w/ 210mm Clutch	
	Bearing Assembly .....	613000
1992-1989	4 Cyl 1.6L Diesel, w/ 210mm Clutch	
	Bearing Assembly .....	613000
1992-1989	4 Cyl 1.8L, w/ 210mm Clutch (w/o VW014)	
	Bearing Assembly .....	613000
1992-1987	4 Cyl 1.8L DOHC, w/ 210mm Clutch	
	Bearing Assembly .....	613000
1992-1987	Fox 4 Spd	
	Bearing Only .....	VW1339C
1991-1990	4 Cyl 2.0L, w/ 228mm Clutch	
	Bearing Assembly .....	614015

<b>AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
1993-1991	Golf Synchro	
	Cone/Cup .....	LM29749-LM29710
1993-1991	Passat	
	Cone/Cup .....	LM300849-LM300811
1993-1985	Golf	
	Cone/Cup .....	LM29749-LM29710
1993-1985	Jetta	
	Cone/Cup .....	LM29749-LM29710
1992-1987	Fox	
	Cone/Cup .....	LM29749-LM29710
1989-1980	Scirocco	
	Cone/Cup .....	LM29749-LM29710
1988-1982	Quantum (A/T)	
	Cone/Cup .....	LM29749-LM29710
1984-1980	Rabbit	
	Cone/Cup .....	LM29749-LM29710
1981-1980	Dasher	
	Cone/Cup .....	LM29749-LM29710
<b>Pinion</b>		
1990-1982	Quantum 4 Cyl.	
	Cone/Cup .....	M86649-M86610

<b>AUTOMATIC TRANSAXLE(cont)</b>		
<b>Pinion(cont)</b>		
1988-1985	(Exc. Quantum)	
	Cup/Cone .....	A6
1988-1983	Quantum 5 Cyl.	
	Cone/Cup .....	M88048-M88010
1984-1980	(Exc. Dasher, Quantum)	
	Cup/Cone .....	A6
1981-1980	Dasher	
	Cone/Cup .....	M86649-M86610
<b>Input Shaft</b>		
1991-1980	(w/o 1.3L)	
	Cup/Cone .....	A6
<b>Idler Shaft</b>		
1991-1980	(w/o 1.3L)	
	Cup/Cone .....	A6

<b>3-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Torque Converter</b>		
1997-1980	All	
	Repair Sleeve .....	99169
	Seal .....	3083

<b>4-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Differential</b>		
2002-1993	-96	
	Cone/Cup .....	LM29749-LM29710
1997-1993	-97	
	Cone/Cup .....	LM503349A-LM503310
1997-1990	-95	
	Cone/Cup ; LH .....	LM300849-LM300811

<b>Pinion</b>		
1997-1993	-97	
	Cone/Cup ; Inner .....	LM29749-LM29710
	Wheel Brg; Outer .....	513185

<b>Torque Converter / Frt Pump</b>		
2002-1990	(095, 096)	
	Seal .....	225110
1997-1981	(010, 087, 089, 089E)	
	Repair Sleeve .....	99169
	Seal .....	3083

<b>Output Shaft</b>		
1997-1990	-95	
	Seal .....	225010

<b>5-SPEED AUTOMATIC TRANSAXLE</b>		
<b>Torque Converter</b>		
2002-1998	(ZF5HP19)	
	Seal .....	224052

<b>4-SPEED MANUAL TRANSAXLE</b>		
<b>Differential</b>		
2002-1980	-20	
	Cone/Cup .....	LM29749-LM29710

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLKSWAGEN- Cabrio, Cabriolet, Corrado, Dasher, Fox, Golf, GTI, Jetta, New Beetle, Passat, Rabbit, Scirocco, Quantum, Quantum Synchro (cont.)</b>					

## 4-SPEED MANUAL TRANSAXLE(cont)

### Differential(cont)

1993-1980 -14	
Cone/Cup .....	LM300849-LM300811

### Output Shaft

2002-1985 -20	
Seal Viton .....	1965
1993-1980 -14	
Seal .....	224052
1984-1980 -20	
Seal .....	474288

### Selector Shaft Seal/Man. Shaft

2002-1980 -20	
Seal .....	221820

### Input Shaft

2002-1980 -20	
Seal .....	222240
1993-1980 -14	
Repair Sleeve .....	222030
Seal .....	

### Mainshaft

2002-1980 -20	
Cup/Cone; RH .....	A15

## 5-SPEED MANUAL TRANSAXLE

### Differential

2002-1998 (01A, 012)	
Cone/Cup ; RH .....	LM300849-LM300811
Cup/Cone; LH .....	A35
2002-1990 (02A, 02J)	
Cone/Cup .....	LM300849-LM300811
1988-1983 -93	
Cone/Cup ; RH .....	LM300849-LM300811
Cup/Cone; LH .....	A35
1985-1982 -13	
Cone/Cup .....	LM300849-LM300811

### Output Shaft

2002-1998 (02J)	
Repair Sleeve .....	99162
Seal .....	1181
2002-1983 (01A, 012, 093)	
Seal .....	224520
1998-1990 (02A)	
Seal .....	710147
1985-1982 -13	
Seal .....	224052

### Input Shaft

2002-1983 (01A, 012, 093)	
Seal .....	222540
1985-1982 -13	
Repair Sleeve .....	222030
Seal .....	

## CAMSHAFT SEAL

### 4 Cylinder

2002-1980 All	
Repair Sleeve .....	99128
Seal .....	3476

### 5 Cylinder

1988-1983 2144cc/2.1L, 2226cc/2.2L	
Repair Sleeve .....	99128
Seal .....	3476

### 6 Cylinder

2002-1998 2771cc/2.8L	
Repair Sleeve .....	99128
Seal .....	3476
2002-1992 2792cc/2.8L (DOHC)	
Repair Sleeve .....	99128
Seal .....	3476

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

2002-1980 All	
Repair Sleeve .....	99128
Seal .....	3476

### 5 Cylinder

1988-1983 2144cc/2.1L, 2226cc/2.2L	
Seal Viton .....	1108

### 6 Cylinder

2002-1992 2771cc/2.8L, 2792cc/2.8L(DOHC)	
Seal Viton .....	1108

## CRANKSHAFT REAR SEAL

### 4 Cylinder

2002-1980 All	
Seal .....	716102

### 5 Cylinder

1988-1983 2144cc/2.1L, 2226cc/2.2L	
Seal .....	716102

### 6 Cylinder

2002-1992 2771cc/2.8L, 2792cc/2.8L(DOHC)	
Seal .....	716102

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLKSWAGEN- VW TYPE II - Bus, EuroVan, Transporter, Van, Vanagon, Camper</b>					

## FRONT WHEEL

<b>2003-1999</b>	<b>EuroVan</b>	
Ball Bearing	.....	510051
<b>1991-1985</b>	<b>Vanagon</b>	
Cone/Cup ; Inner	LM300849-LM300811	
Seal ; Inner	.....	225500
Cup/Cone; Outer	.....	A12
<b>1984</b>	<b>(From # 24E023828)</b>	
Cone/Cup ; Inner	LM300849-LM300811	
Seal ; Inner	.....	225500
Cup/Cone; Outer	.....	A12
<b>1984-1980</b>	<b>(From Ch. # 24A0024012 Thru # 24E023827)</b>	
Cone/Cup ; Inner	LM300849-LM300811	
Seal ; Inner	.....	225500
Cup/Cone; Outer	.....	A2
<b>1980</b>	<b>(Thru Ch. # 24A0024011)</b>	
Seal ; Inner	.....	1209
Cup/Cone; Inner	.....	A6
Cup/Cone; Outer	.....	A2

## 4WD/AWD

<b>1991-1986</b>	<b>Vanagon Synchro</b>	
Ball Bearing	.....	513180

## REAR WHEEL

<b>2003-1992</b>	<b>EuroVan</b>	
Ball Bearing	.....	510051
<b>1991-1980</b>	<b>All</b>	
Seal	.....	1208
Ball Bearing ; Inner	.....	207
Ball Bearing ; Outer	.....	RW111

## DRIVESHAFT SUPPORT

<b>1991-1986</b>	<b>Vanagon Synchro</b>	
Ball Bearing ; Frt	.....	107
Ball Bearing ; Rr	.....	206

## CLUTCH

### Release Bearing

<b>1983-1980</b>	<b>4 Cyl 2.0L, w/ 228mm Clutch</b>	
Bearing Assembly	.....	614015

## 3-SPEED AUTOMATIC TRANSAXLE

### Differential

<b>1991-1980</b>	<b>(003, 090)</b>	
Cone/Cup	LM300849-LM300811	
<b>1983-1980</b>	<b>-10</b>	
Cone/Cup	LM29749-LM29710	

### Pinion

<b>1991-1980</b>	<b>(003, 090)</b>	
Cone/Cup	M86649-M86610	
Seal ; Frt	.....	223010
Seal ; Rr	.....	239146

## 3-SPEED AUTOMATIC TRANSAXLE(cont)

### Pinion(cont)

<b>1983-1980</b>	<b>-10</b>	
Seal ; Frt	.....	223010
Cup/Cone	.....	A6
Seal ; Rr	.....	1174
Repair Sleeve; Rr	.....	

### Output Shaft

<b>1991-1980</b>	<b>(003, 090)</b>	
Seal	.....	224520
<b>1983-1980</b>	<b>-10</b>	
Seal Viton	.....	1965

### Torque Converter

<b>1983-1980</b>	<b>-10</b>	
Repair Sleeve	.....	99169
Seal	.....	3083

## 4-SPEED MANUAL TRANSAXLE

### Differential

<b>1985-1980</b>	<b>-91</b>	
Cone/Cup	.....	32010X
<b>1983-1980</b>	<b>-20</b>	
Cone/Cup	LM29749-LM29710	

### Output Shaft

<b>1985-1980</b>	<b>-91</b>	
Seal	.....	1943
<b>1983-1980</b>	<b>-20</b>	
Seal	.....	474288

### Selector Shaft Seal/Man. Shaft

<b>1983-1980</b>	<b>-20</b>	
Seal	.....	221820

### Input Shaft

<b>1985-1980</b>	<b>-91</b>	
Repair Sleeve	.....	222050
Seal	.....	
<b>1983-1980</b>	<b>-20</b>	
Seal	.....	222240

### Mainshaft

<b>1983-1980</b>	<b>-20</b>	
Cup/Cone	.....	A15

## 5-SPEED MANUAL TRANSAXLE

### Differential

<b>1991-1986</b>	<b>-94</b>	
Cone/Cup	.....	32010X

### Output Shaft

<b>1991-1986</b>	<b>-94</b>	
Seal	.....	1943

### Input Shaft

<b>1991-1986</b>	<b>-94</b>	
Repair Sleeve	.....	222050
Seal	.....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLKSWAGEN- VW TYPE II - Bus, EuroVan, Transporter, Van, Vanagon, Camper (cont.)</b>					

## CAMSHAFT SEAL

### 4 Cylinder

1985-1980	1.5L, 1.6L, 1.7L (Incl. Diesels), 2.0L	
Repair Sleeve	.....	99128
Seal	.....	3476

### 5 Cylinder

1996-1992	2.5L	
Repair Sleeve	.....	99128
Seal	.....	3476

### 6 Cylinder

2002-1997	2.8L	
Repair Sleeve	.....	99128
Seal	.....	3476

## CRANKSHAFT FRONT SEAL

### 4 Cylinder

1984-1982	1471cc/1.5L, 1588cc/1.6L, 1715cc/1.7L (incl. Diesels)	
Repair Sleeve	.....	99128
Seal	.....	3476

1983	1951cc/1.9L, 2109cc/2.1L	
Seal	.....	1973

1983-1980	1971cc/2.0L	
Seal	.....	224250

## CRANKSHAFT FRONT SEAL(cont)

### 5 Cylinder

1996-1992	2.5L	
Seal Viton	.....	1108

### 6 Cylinder

2002-1997	2.8L	
Seal Viton	.....	1108

## CRANKSHAFT REAR SEAL

### 4 Cylinder

1991-1980	1.8L, 1.9L, 2.0L, 2.1L	
Seal	.....	227530
1984-1982	1.5L, 1.6L, 1.7L (Incl. Diesels)	
Seal	.....	716102

### 6 Cylinder

2002-1997	2.8L	
Seal	.....	716102

# VOLVO- 240, 242, 244, 245, 262, 264, 265, 740, 745, 760, 780, 850, 940, 960, C30, C70, DL, GLE, S40, S60, S70, S80, S90, V40, V50, V70, V90, XC70, XC90

## FRONT WHEEL

2005-2001	V70, V70 AWD, XC70	
Hub Assembly	.....	513194
2005-1999	S60, S80 Ser.	
Hub Assembly	.....	513194
2004-2000	S40, V40 (Old Style)	
Ball Bearing	.....	510029
2004-1999	C70 Ser.	
Hub Assembly	.....	513175
1998	C70, S70, V70 Ser.	
Hub Assembly	.....	513174 <sup>31</sup>
1997-1994	850	
Hub Assembly	.....	513174 <sup>31</sup>
1997-1994	960 Ser.	
Hub Assembly	.....	513195
1995-1991	940 (Non-ABS)	
Hub Assembly	.....	513128
1994-1989	760, 780, 940 Ser. (ABS)	
Hub Assembly	.....	513170
1993	850	
Hub Assembly	.....	513216 <sup>30</sup>

## FRONT WHEEL(cont)

1993-1982	240, 260 Ser.	
Seal ; Inner	.....	482126
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A16
1992-1991	740 (Non-ABS)	
Hub Assembly	.....	513128
1991-1988	780 (Non-ABS)	
Hub Assembly	.....	513128
1990-1988	740 Ser.	
Seal ; Inner	.....	710215
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A16
1990-1988	760 (Non-ABS)	
Hub Assembly	.....	513128
1987-1983	740, 760, 780 Ser.	
Cup/Cone; Inner	.....	A17
Cup/Cone; Outer	.....	A16

<sup>30</sup> 4 Stud <sup>31</sup> 5 Stud

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLVO- 240, 242, 244, 245, 262, 264, 265, 740, 745, 760, 780, 850, 940, 960, C30, C70, DL, GLE, S40, S60, S70, S80, S90, V40, V50, V70, V90, XC70, XC90 (cont.)</b>					

<b>FRONT WHEEL(cont)</b>		
1981-1980	240, 260 Ser.	
	Seal ; Inner .....	482126
	Cup/Cone; Inner .....	A6
	Cup/Cone; Outer .....	A2
<b>REAR WHEEL</b>		
2005-2003	All	
	Hub Assembly .....	512233
2005-2001	S60	
	Hub Assembly .....	512233
2005-1999	S80	
	Hub Assembly .....	512233
2005-1999	V70 Ser.	
	Hub Assembly .....	512233
2004-2001	C70 Ser.	
	Hub Assembly .....	512254
2004-2000	S40, V40 (Old Style)	
	Hub Assembly .....	512252
2000-1998	C70, S70, Ser.	
	Hub Assembly .....	512254
2000-1997	S70 (AWD), V70 (AWD), 850 (AWD)	
	Ball Bearing .....	513130
1998	S90, V90	
	Ball Bearing .....	513130
	Hub Assembly .....	512234
1997-1995	960 Ser.	
	Ball Bearing .....	513130
	Hub Assembly .....	512234
1997-1993	850	
	Hub Assembly .....	512254
1995	940 Ser.	
	Ball Bearing .....	513130
1994-1991	940 Ser., 960 Ser.	
	Ball Bearing .....	RW131R
	Seal .....	473238
1993-1980	240 Ser.	
	Seal ; Inner .....	1955
	Seal ; Outer .....	9912
1992-1988	740 (Exc. Traction Control)	
	Seal ; Inner .....	1176
	Seal ; Outer .....	9912
1992-1988	740 Ser. (Traction Control)	
	Seal ; Inner .....	1955
	Seal ; Outer .....	9912
1990-1988	760	
	Ball Bearing .....	513130
1987-1986	740, 760, 780 (Exc. Traction Control)	
	Seal ; Inner .....	1176
	Seal ; Outer .....	9912
1987-1986	740, 760, 780 (Traction Control)	
	Seal ; Inner .....	1955
	Seal ; Outer .....	9912

<b>REAR AXLE</b>		
<b>Differential</b>		
1997-1988	(1045 Axle)	
	Cup/Cone .....	A35

<b>REAR AXLE(cont)</b>		
<b>Differential(cont)</b>		
1997-1980	(1030, 1031 Axles)	
	Cone/Cup .....	LM501349-LM501314
1997-1980	(1041 Axle)	
	Cone/Cup .....	LM501349-LM501314
1994-1991	940 Ser.	
	Cone/Cup .....	LM501349-LM501314
1994-1990	All	
	Cone/Cup .....	LM501349-LM501314
1993	850	
	Cone/Cup .....	32008
1993-1980	240 Ser.	
	Cone/Cup .....	LM501349-LM501314
1990-1985	740 Ser.	
	Cone/Cup .....	LM501349-LM501314
1987-1983	760	
	Cone/Cup .....	LM501349-LM501314
1984	DL, GL, GLT	
	Cone/Cup .....	LM501349-LM501314
1982-1980	260 Ser.	
	Cone/Cup .....	LM501349-LM501314
<b>Pinion</b>		
1997-1980	(1031, 1041, 1045 Axles)	
	Seal Viton .....	M86647-M86610
	Cone/Cup ; Outer .....	HM89449-HM89410
	Cone/Cup ; Inner .....	
1993-1980	(1030 Axle)	
	Seal Viton .....	HM88649-HM88610
	Cone/Cup ; Outer .....	
	Cone/Cup ; Inner .....	
1988-1983	740, 760 Ser. (Axles 1216087,1216148, 1216149)	
	Repair Sleeve .....	99155
	Seal .....	5778
	Cone/Cup ; Outer .....	M86647-M86610
	Cone/Cup ; Inner .....	HM88649-HM88610
1988-1983	740, 760 Ser. (Axles 1216091,1216144, 1216147, 1216125)	
	Repair Sleeve .....	99155
	Seal .....	5778
	Cone/Cup ; Outer .....	M86647-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
1988-1980	240 Ser. (Reinforced Pinion)	
	Repair Sleeve .....	99155
	Seal .....	5778
	Cone/Cup ; Outer .....	M86647-M86610
	Cone/Cup ; Inner .....	HM89449-HM89410
1988-1980	240 Ser. (Std. Pinion)	
	Repair Sleeve .....	99155
	Seal .....	5778
	Cone/Cup ; Outer .....	M86647-M86610
	Cone/Cup ; Inner .....	HM88649-HM88610

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLVO- 240, 242, 244, 245, 262, 264, 265, 740, 745, 760, 780, 850, 940, 960, C30, C70, DL, GLE, S40, S60, S70, S80, S90, V40, V50, V70, V90, XC70, XC90 (cont.)</b>					

## REAR AXLE(cont)

### Pinion(cont)

<b>1982-1980</b>	<b>260 Ser. (Reinforced Pinion)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....	M86647-M86610	
Cone/Cup ; Inner .....	HM89449-HM89410	
<b>1982-1980</b>	<b>260 Ser. (Std. Pinion)</b>	
Repair Sleeve .....		99155
Seal .....		5778
Cone/Cup ; Outer .....	M86647-M86610	
Cone/Cup ; Inner .....	HM88649-HM88610	

## DRIVESHAFT SUPPORT

<b>1992-1988</b>	<b>(Type 03 driveshaft)</b>	
Ball Bearing .....		107DD
<b>1986-1983</b>	<b>740, 760 Ser. (type 02HD driveshaft)</b>	
Ball Bearing .....		107DD
<b>1984-1983</b>	<b>760 Ser. (type 03HD driveshaft)</b>	
Ball Bearing .....		108FFN
<b>1984-1980</b>	<b>200 Ser. (35mm shaft)</b>	
Ball Bearing .....		107DD

## CLUTCH

### Pilot Bearing

<b>1997-1992</b>	<b>6 Cyl</b>	
Ball Bearing .....		202FF
<b>1995-1980</b>	<b>4 Cyl</b>	
Ball Bearing .....		202FF
<b>1984-1980</b>	<b>6 Cyl Gas</b>	
Ball Bearing .....		203FF

### Release Bearing

<b>1995-1982</b>	<b>4 Cyl 240 Series, 740 Series, 940</b>	
Bearing Assembly .....		614039
<b>1990-1985</b>	<b>6 Cyl 740 GLE, 760 GLE</b>	
Bearing Assembly .....		614039

## 3-SPEED AUTOMATIC TRANSMISSION

### Rear Seal/Ext. Housing

<b>1982-1980</b>	<b>(Aisin)</b>	
Repair Sleeve .....		223840
Seal .....		

### Torque Converter

<b>1984-1980</b>	<b>(Borg Warner T55)</b>	
Seal .....		224320
<b>1982-1980</b>	<b>(Aisin)</b>	
Repair Sleeve .....		223830
Seal .....		

## 4-SPEED MANUAL TRANSMISSION

### Input Shaft

<b>1996-1980</b>	<b>(M45, M46)</b>	
Ball Bearing .....		207SL
Seal .....		222820

## 4-SPEED MANUAL TRANSMISSION(cont)

### Rear Output Shaft

<b>1996-1980</b>	<b>(M45, M46)</b>	
Seal .....		224010

### Countershaft

<b>1996-1985</b>	<b>(M46)</b>	
Cup/Cone .....		A4
<b>1984-1980</b>	<b>(M46)</b>	
Cup/Cone; Rr .....		A14
Cup/Cone; Center .....		A4
<b>1981-1980</b>	<b>(M45)</b>	
Cup/Cone .....		A4

## 5-SPEED MANUAL TRANSMISSION

### Front Input Shaft

<b>1996-1987</b>	<b>All</b>	
Seal .....		222820

### Rear Output Shaft

<b>1996-1987</b>	<b>All</b>	
Seal .....		1962

### Countershaft

<b>1996-1987</b>	<b>All</b>	
Cup/Cone; Rr .....		A17
Cup/Cone; Center .....		A4

## 4-SPEED AUTOMATIC TRANSAXLE

### Torque Converter / Frt Pump

<b>2002-1999</b>	<b>(4T65 E)</b>	
Repair Sleeve .....		4072N
Seal .....		
<b>2002-1993</b>	<b>(Aisin)</b>	
Repair Sleeve .....		223830
Seal .....		
<b>Output Shaft</b>		
<b>2002-1999</b>	<b>(4T65 E)</b>	
Repair Sleeve; RH .....		99139
Repair Sleeve; LH .....		99139
Seal ; RH .....		3543
Seal ; LH .....		100165
<b>2002-1993</b>	<b>(Aisin)</b>	
Seal ; RH .....		710112
Seal ; LH .....		224025

### Selector Shaft Seal/Man. Shaft

<b>2002-1999</b>	<b>(4T65 E)</b>	
Repair Sleeve .....		8792S
Seal .....		
<b>2002-1993</b>	<b>(Aisin)</b>	
Repair Sleeve .....		221207
Seal .....		

## 5-SPEED MANUAL TRANSAXLE

### Output Shaft

<b>1997-1993</b>	<b>All</b>	
Seal .....		224040

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
<b>VOLVO- 240, 242, 244, 245, 262, 264, 265, 740, 745, 760, 780, 850, 940, 960, C30, C70, DL, GLE, S40, S60, S70, S80, S90, V40, V50, V70, V90, XC70, XC90 (cont.)</b>					

<b>AUXILIARY SHAFT</b>		
<b>4 Cylinder</b>		
2002-2000	1948cc/1.9L (DOHC) (Turbo)	
Seal .....		223020
1995-1980	1780cc/1.8L, 1990cc/2.0L, 2127cc/2.1L, 2316cc/2.3L	
Repair Sleeve .....		99139
Seal .....		1172

<b>ALTERNATOR</b>		
<b>1992-1980 (Bosch 70 Amp.)</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
<b>1990-1980 (Bosch 90 Amp.)</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
<b>1987-1980 (Bosch 55 Amp.)</b>		
Ball Bearing ; Rear End .....		201CC
Ball Bearing ; Drive End .....		303CC
<b>1981-1980 Marchal</b>		
Ball Bearing ; Rear End .....		200CC
Ball Bearing ; Drive End .....		303CC

<b>A/C COMPRESSOR</b>		
<b>1990-1980 (A6) (axial)</b>		
Ball Bearing .....		907257
<b>1987-1983 R4 Radial</b>		
Ball Bearing .....		907257
Needle Bearing; Frt Head .....		S128
<b>1986-1980 (Sanden SD 510) (axial)</b>		
Ball Bearing .....		5001KFF
<b>1984-1980 York Mini 206</b>		
Ball Bearing .....		206FF

<b>MANUAL STEERING</b>		
<b>Worm Shaft</b>		
1984-1980	200 Ser.	
Seal .....		441130
<b>Pitman Shaft</b>		
1990-1980	(Saginaw pump)	
Seal .....		7013S

<b>CAMSHAFT SEAL</b>		
<b>4 Cylinder</b>		
2002-2000	1948cc/1.9L (DOHC) (Turbo)	
Seal .....		321460
1995-1980	2127cc/2.1L, 2316cc/2.3L	
Repair Sleeve .....		99139
Seal .....		1172
<b>5 Cylinder</b>		
2002-1993	2319cc/2.3L, 2435cc/2.4L	
Seal ; Frt .....		321460
Seal ; Rr .....		223020

<b>CAMSHAFT SEAL(cont)</b>		
<b>6 Cylinder</b>		
2002-1992	2922cc/2.9L (DOHC)	
Seal ; Frt .....		321460
Seal ; Rr .....		223020
1985-1980	2383cc/2.4L (Diesel) (Turbo Diesel)	
Repair Sleeve .....		99128
Seal .....		3476

<b>CRANKSHAFT FRONT SEAL</b>		
<b>4 Cylinder</b>		
2002-2000	1948cc/1.9L	
Seal .....		223601
1995-1980	2127cc/2.1L, 2316cc/2.3L	
Seal Viton .....		710190
<b>5 Cylinder</b>		
2002-1993	2319cc/2.3L, 2435cc/2.4L	
Seal .....		223601
<b>6 Cylinder</b>		
2002-1992	2922cc/2.9L (DOHC)	
Seal .....		223601
1985-1980	2383cc/2.4L (Diesel) (Turbo Diesel)	
Seal Viton .....		1108
1984-1983	2849cc/2.8L	
Seal .....		224252

<b>CRANKSHAFT REAR SEAL</b>		
<b>4 Cylinder</b>		
1995-1980	1780cc/1.8L, 1990cc/2.0L, 2127cc/2.1L, 2316cc/2.3L	
Seal Viton .....		229210
<b>6 Cylinder</b>		
1985-1980	2383cc/2.4L (Diesel) (Turbo Diesel)	
Seal .....		716102
1984-1983	2849cc/2.8L	
Seal .....		228010

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## VOLVO TRUCK- FE Series

### FRONT WHEEL

<b>1991-1987</b>	<b>FE613, FE614</b>	
	Cone/Cup ; Outer .....	32208
	Cone/Cup ; Inner .....	JM207049-JM207010
<b>1991-1987</b>	<b>FE615</b>	
	Cone/Cup ; Outer .....	JM205149-JM205110
	Cone/Cup ; Inner .....	HM212044-HM212011
<b>1986-1980</b>	<b>(3.740" Brg. O.D.)</b>	
	Cone/Cup ; Outer .....	32208
	Cone/Cup ; Inner .....	JM207049-JM207010
<b>1986-1980</b>	<b>(3.937" Brg. O.D.)</b>	
	Cone/Cup ; Outer .....	32208
	Cone/Cup ; Inner .....	32211
	Seal ; Inner .....	

### REAR WHEEL

<b>1991-1987</b>	<b>FE615</b>	
	Cone/Cup ; Outer .....	HD206
	Cone/Cup ; Inner .....	
<b>1991-1987</b>	<b>FE715, FE716</b>	
	Cone/Cup ; Outer .....	HD207
	Cone/Cup ; Inner .....	
<b>1991-1980</b>	<b>(F/FE 600 Ser.) (w/o FE615)</b>	
	Cone/Cup ; Outer .....	231004
	Cone/Cup ; Inner .....	
	Seal ; Inner .....	

### REAR AXLE

#### Differential

<b>1993-1992</b>	<b>(Rockwell 19145 Axle)</b>	
	Cone/Cup .....	JM716649-JM716610
<b>1991-1980</b>	<b>(EV75 Axle)</b>	
	Cone/Cup ; LH .....	56425-56650
	Cone/Cup ; RH .....	
<b>1986-1980</b>	<b>(EV41, EV45 Axles)</b>	
	Cone/Cup .....	42687-42620

#### Pinion

<b>1993-1992</b>	<b>(Eaton 21065S Axle)</b>	
	Repair Sleeve .....	99262
	Seal .....	9773
	Cone/Cup ; Outer .....	55200C-55437
	Cone/Cup ; Inner .....	78215C-78551
	Cyl. Bearing .....	
<b>1993-1992</b>	<b>(Eaton 23070S Axle)</b>	
	Seal .....	712937
	Cone/Cup ; Outer .....	72212C-72487
	Cone/Cup ; Inner .....	
	Cyl. Bearing .....	
<b>1993-1992</b>	<b>(Rockwell 19145 Axle)</b>	
	Seal .....	3905
	Cone/Cup ; Outer .....	55206C-55437
	Cone/Cup ; Inner .....	72212C-72487
	Cyl. Bearing .....	RU1570UM
<b>1991-1980</b>	<b>(EV75 Axle)</b>	
	Repair Sleeve .....	99262
	Seal .....	9773

### CLUTCH

#### Pilot Bearing

<b>1993-1980</b>	<b>5.5L, 6.7L, Turbo Diesel</b>	
	Ball Bearing .....	205FF

#### Release Bearing

<b>1991-1987</b>	<b>6.7L Turbo Diesel</b>	
	Bearing Assembly .....	614119

### 4-SPEED AUTOMATIC TRANSMISSION

#### Output Shaft

<b>1993-1987</b>	<b>(Allison MT640, MT643)</b>	
	Ball Bearing .....	209L
	Seal .....	476424N

#### Rear Seal/Ext. Housing

<b>1991-1980</b>	<b>(Allison AT545)</b>	
	Seal .....	415988
<b>1991-1980</b>	<b>(Allison MT640)</b>	
	Seal .....	415988

#### Selector Shaft Seal/Man. Shaft

<b>1993-1980</b>	<b>(Allison AT545)</b>	
	Repair Sleeve .....	340847
	Seal .....	
<b>1993-1980</b>	<b>(Allison MT640, MT643)</b>	
	Repair Sleeve .....	340847
	Seal .....	

#### Torque Converter

<b>1993-1987</b>	<b>(Allison MT640, MT643)</b>	
	Seal Viton .....	710180
<b>1991-1980</b>	<b>(Allison AT545)</b>	
	Repair Sleeve .....	99187
	Seal .....	6712NA

### 5-SPEED MANUAL TRANSMISSION

#### Countershaft

<b>1991-1980</b>	<b>(ZF S5 35)</b>	
	Cone/Cup .....	30208

#### Front Input Shaft Pocket

<b>1991-1980</b>	<b>(ZF S5 35)</b>	
	Seal .....	224252

### 6-SPEED MANUAL TRANSMISSION

#### Selector Shaft Seal/Man. Shaft

<b>1991-1980</b>	<b>(ZF S6 65)</b>	
	Seal .....	222510

#### Front Input Shaft

<b>1993-1992</b>	<b>(Fuller FS6206)</b>	
	Cone/Cup .....	HD210
<b>1991-1980</b>	<b>(ZF S6 65)</b>	
	Seal .....	1973

#### Rear Output Shaft

<b>1991-1980</b>	<b>(ZF S6 65)</b>	
	Ball Bearing .....	227040
	Seal .....	

# Bearings and Seals

YEAR	APPLICATION	Part. No.	YEAR	APPLICATION	Part. No.
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## VOLVO TRUCK- FE Series (cont.)

### 6-SPEED MANUAL TRANSMISSION(cont)

#### Countershaft

1993-1992	(Fuller FS6206)	
Cone/Cup ; Rr .....		HD205
Cone/Cup ; Frt .....		25590-25522
1991-1980	(ZF S6 65)	
Ball Bearing ; Frt .....		203FF

### CRANKSHAFT FRONT SEAL

#### 6 Cylinder

1997-1992	403/6.6L (Turbo Diesel)	
Repair Sleeve .....		99233
Seal .....		3945

### CRANKSHAFT REAR SEAL

#### 6 Cylinder

1997-1992	403/6.6L (Turbo Diesel)	
Seal Viton .....		2261

## YUGO- Cabrio, GV, GVL, GVS, GVX

### FRONT WHEEL

1991-1986	All	
Ball Bearing .....		513116

### REAR WHEEL

1991-1986	All	
Ball Bearing .....		513116

### CLUTCH

#### Release Bearing

1992-1986	All	
Bearing Only .....		FI1710C

### 5-SPEED MANUAL TRANSAXLE

#### Output Shaft

1992-1986	All	
Seal .....		222510
Ball Bearing ; Rear End .....		201SS
Ball Bearing ; Drive End .....		203S

#### Input Shaft

1992-1986	All	
Seal .....		222240

### ALTERNATOR

1992-1986	All	
Ball Bearing ; Rear End .....		201SS
Ball Bearing ; Drive End .....		203S