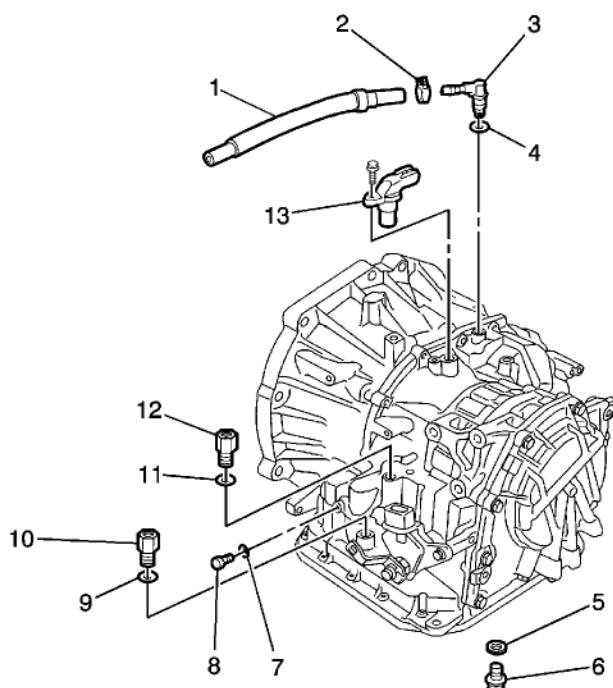


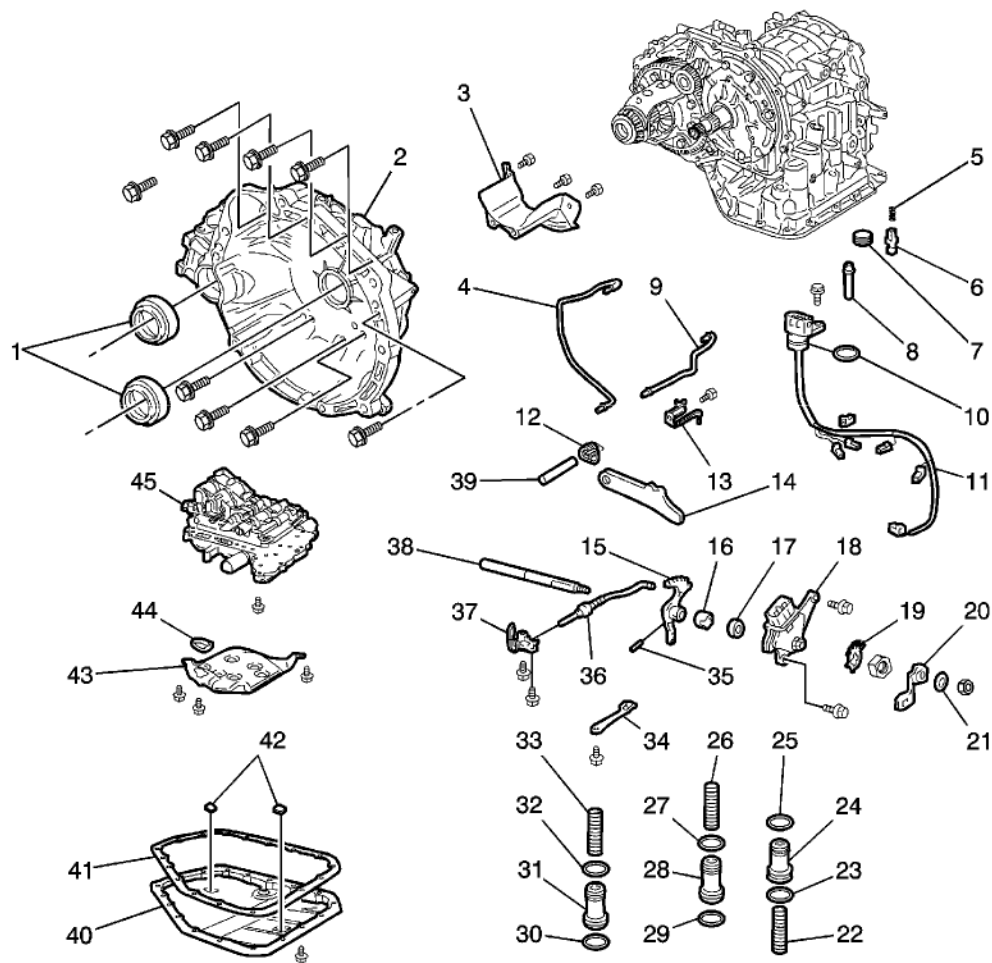
Disassembled Views

Case and Associated Parts (1 of 2)



- (1) Breather Hose
- (2) Clip
- (3) Breather Plug
- (4) O-Ring
- (5) Washer
- (6) Drain Plug
- (7) O-Ring
- (8) Bolt Plug
- (9) O-Ring
- (10) Oil Cooler Inlet Union
- (11) O-Ring
- (12) Oil Cooler Outlet Union
- (13) Input Shaft Speed (ISS) Sensor

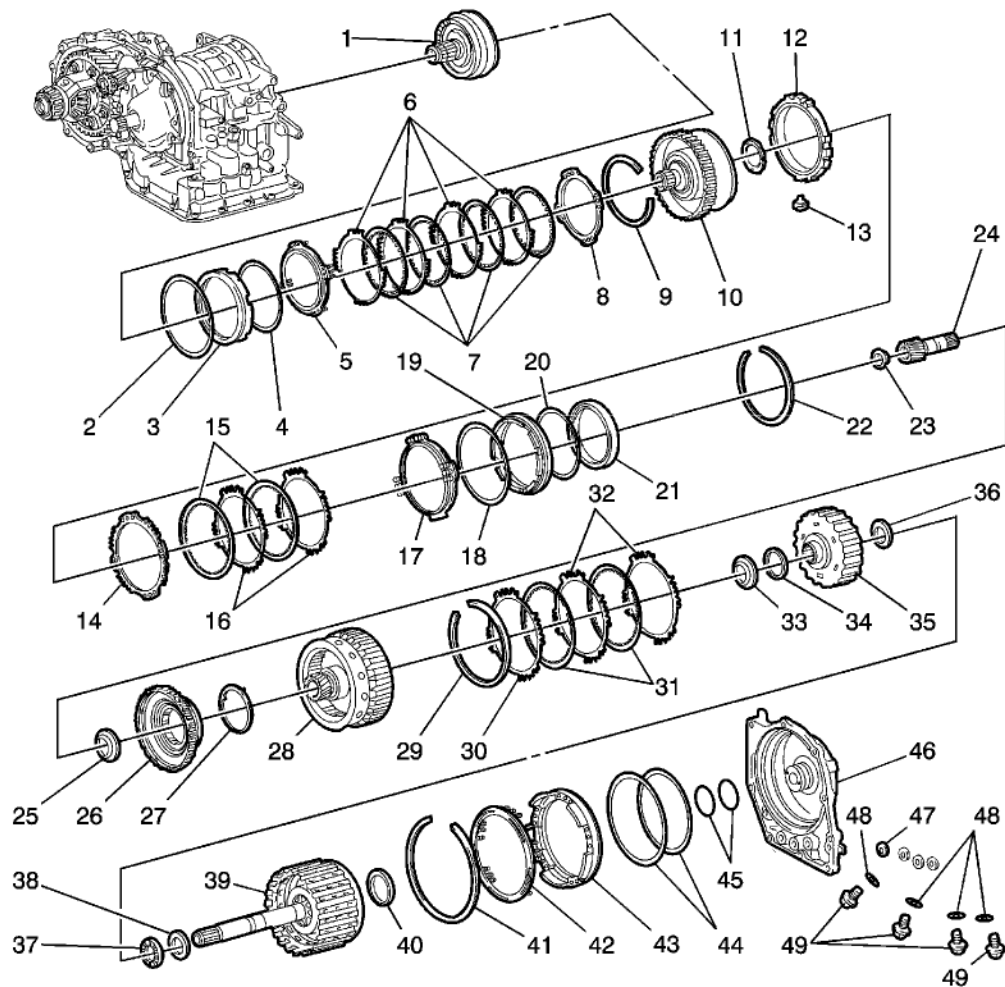
Case and Associated Parts (2 of 2)



- (1) Oil Seal
- (2) Transaxle Housing
- (3) Oil Reservoir Plate
- (4) Transaxle Oil Apply Pipe
- (5) Spring
- (6) Check Valve Pipe Clamp
- (7) Governor Apply Gasket
- (8) Brake Drum Gasket
- (9) Differential Gear Oil Apply Pipe
- (10) O-Ring
- (11) Transaxle Wire
- (12) Torsion Spring
- (13) Transaxle Oil Apply Pipe Clamp
- (14) Parking Lock Pawl
- (15) Manual Valve Lever
- (16) Spacer
- (17) Oil Seal

- (18) Park/Neutral Position Switch
- (19) Lock Washer
- (20) Control Lever
- (21) Washer
- (22) Spring
- (23) O-Ring
- (24) Overdrive Brake Accumulator Piston
- (25) O-Ring
- (26) Spring
- (27) O-Ring
- (28) Forward Clutch Accumulator Piston
- (29) O-Ring
- (30) O-Ring
- (31) Direct Clutch Accumulator Piston
- (32) O-Ring
- (33) Spring
- (34) Manual Detent Spring
- (35) Pin
- (36) Parking Lock Rod
- (37) Parking Lock Pawl Shaft
- (38) Manual Valve Lever Shaft
- (39) Parking Lock Pawl Bracket
- (40) Oil Pan
- (41) Gasket
- (42) Magnet
- (43) Oil Strainer
- (44) Gasket
- (45) Valve Body

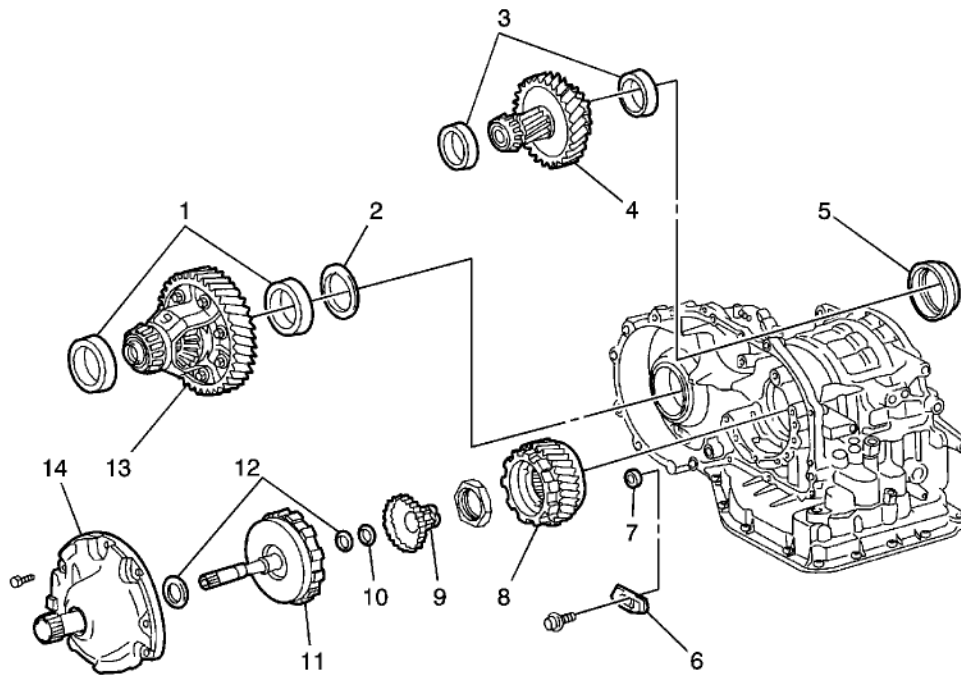
Internal Components



- (1) Planetary Ring Gear
- (2) O-Ring
- (3) 1st and Reverse Brake Piston
- (4) O-Ring
- (5) 1st and Reverse Brake Piston Return Spring
- (6) Plate
- (7) Disc
- (8) Flange
- (9) Snap Ring
- (10) Planetary Gear
- (11) Thrust Washer
- (12) No. 2 One-Way Clutch
- (13) Anti-Rattle Clip
- (14) Flange
- (15) Disc
- (16) Plate
- (17) 2nd Brake Piston Return Spring

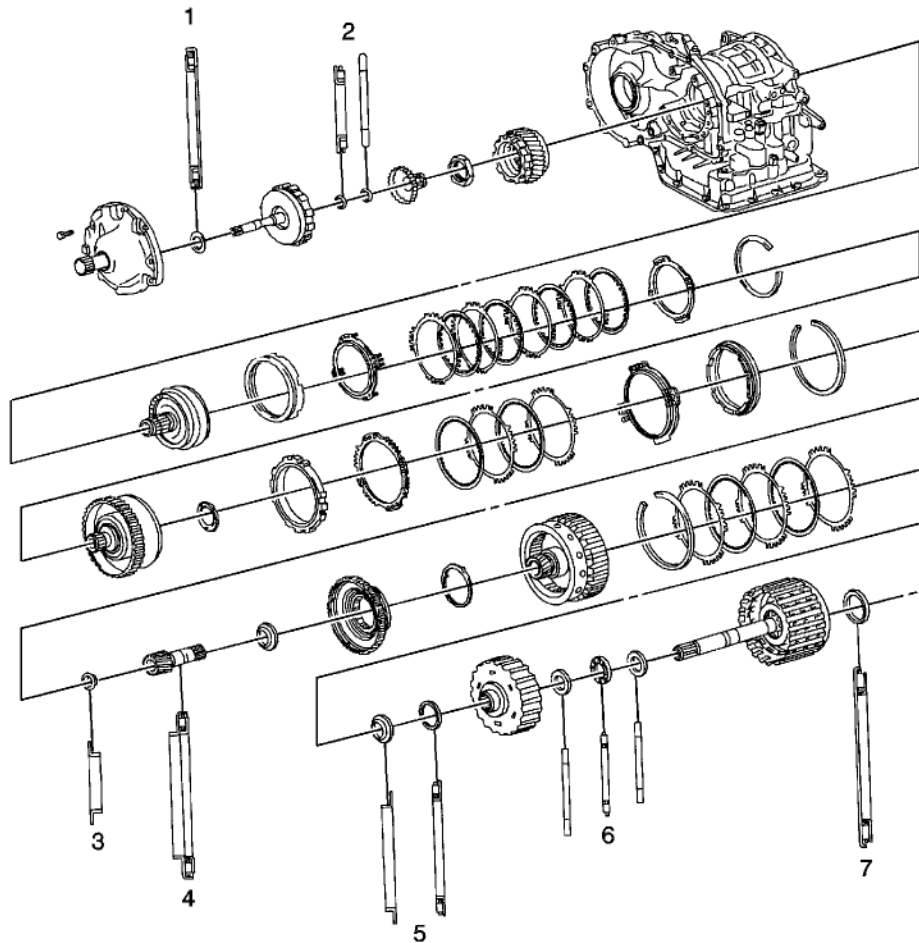
- (18) O-Ring
- (19) 2nd Brake Piston
- (20) O-Ring
- (21) 2nd Brake Clutch Cylinder
- (22) Snap Ring
- (23) Thrust Bearing Race
- (24) Front Planetary Sun Gear
- (25) Thrust Bearing Race
- (26) One-Way Clutch Assembly
- (27) Thrust Washer
- (28) Rear Planetary Sun Gear
- (29) Snap Ring
- (30) Flange
- (31) Disc
- (32) Plate
- (33) Thrust Bearing Race
- (34) Thrust Needle Roller Bearing
- (35) Forward Clutch Hub
- (36) Thrust Bearing Race
- (37) Thrust Needle Roller Bearing
- (38) Thrust Bearing Race
- (39) Forward and Reverse Clutch Assembly
- (40) Thrust Needle Roller Bearing
- (41) Snap Ring
- (42) O/D Brake Return Spring
- (43) O/D Brake Piston
- (44) O-Ring
- (45) Seal Ring
- (46) Transaxle Rear Cover
- (47) Governor Apply Gasket
- (48) O-Ring
- (49) Bolt Plug

Differential and Oil Pump



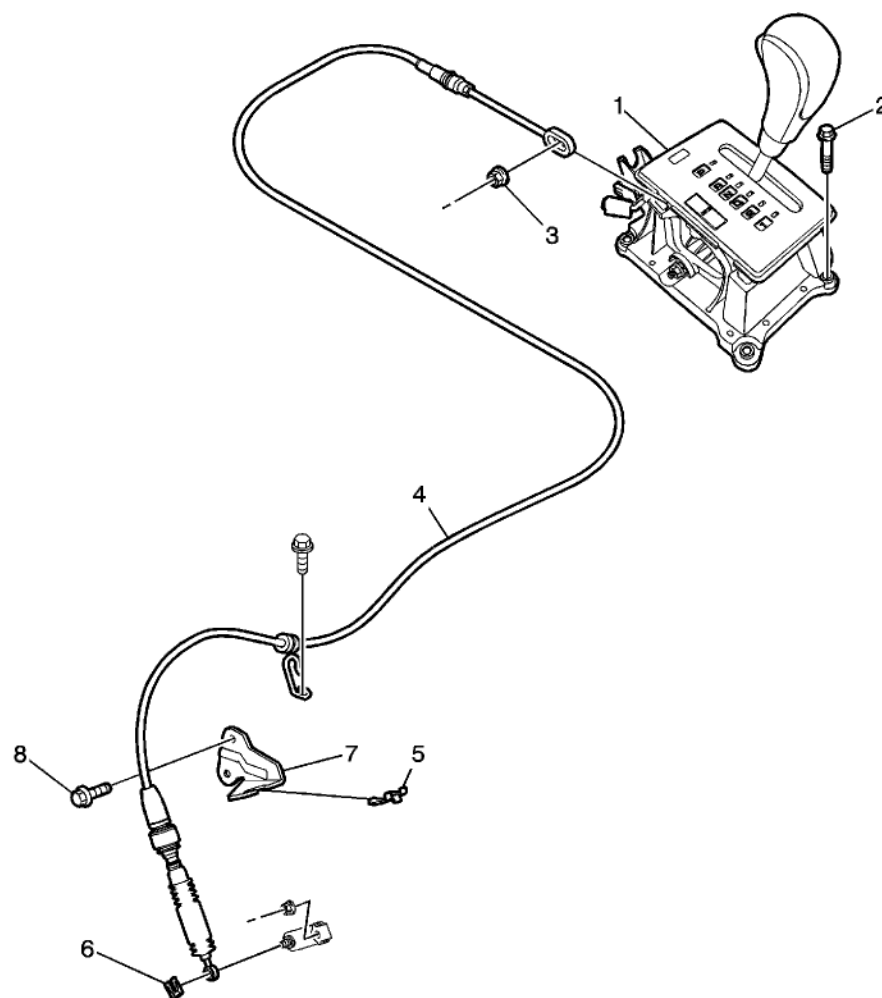
- (1) Side Bearing Outer Race
- (2) Shim
- (3) Outer Tapered Roller Bearing Race
- (4) Counter Driven Gear
- (5) Oil Seal
- (6) Transaxle Case Plate
- (7) Governor Apply Gasket
- (8) Counter Driven Gear
- (9) Direct Clutch Hub
- (10) Thrust Bearing Race
- (11) Direct Clutch Assembly
- (12) Thrust Needle Roller Bearing
- (13) Differential Case
- (14) Oil Pump

Bearing and Race Installation and Direction



Mark	Front Race Diameter		Thrust Bearing Diameter		Rear Race Diameter	
	Inside	Outside	Inside	Outside	Inside	Outside
1	--	--	32.5 mm (1.280 in)	48.5 mm (1.909 in)	--	--
2	--	--	17.8 mm (0.701 in)	30.2 mm (1.189 in)	20.5 mm (0.807 in)	32.6 mm (1.283 in)
3	19.3 mm (0.760 in)	29.0 mm (1.142 in)	--	--	--	--
4	--	--	42.5 mm (1.673 in)	57.5 mm (2.264 in)	--	--
5	34.95 mm (1.3670 in)	45.50 mm (1.7913 in)	33.3 mm (1.311 in)	46.5 mm (1.831 in)	--	--
6	19.3 mm (0.760 in)	30.6 mm (1.205 in)	18.1 mm (0.713 in)	29.6 mm (1.165 in)	18.1 mm (0.713 in)	28.2 mm (1.110 in)
7	--	--	43.2 mm (1.701 in)	62.0 mm (2.441 in)	--	--

Shift Select Control



- (1) Select Control Lever Assembly
- (2) Bolt
- (3) Nut
- (4) Select Control Cable
- (5) Clamp
- (6) E-Ring
- (7) Cable Fastener
- (8) Bolt

Automatic Transmission Components

During reassembly, please refer to the spring specifications below to help you to discriminate between the different springs.

Upper Valve Body Spring

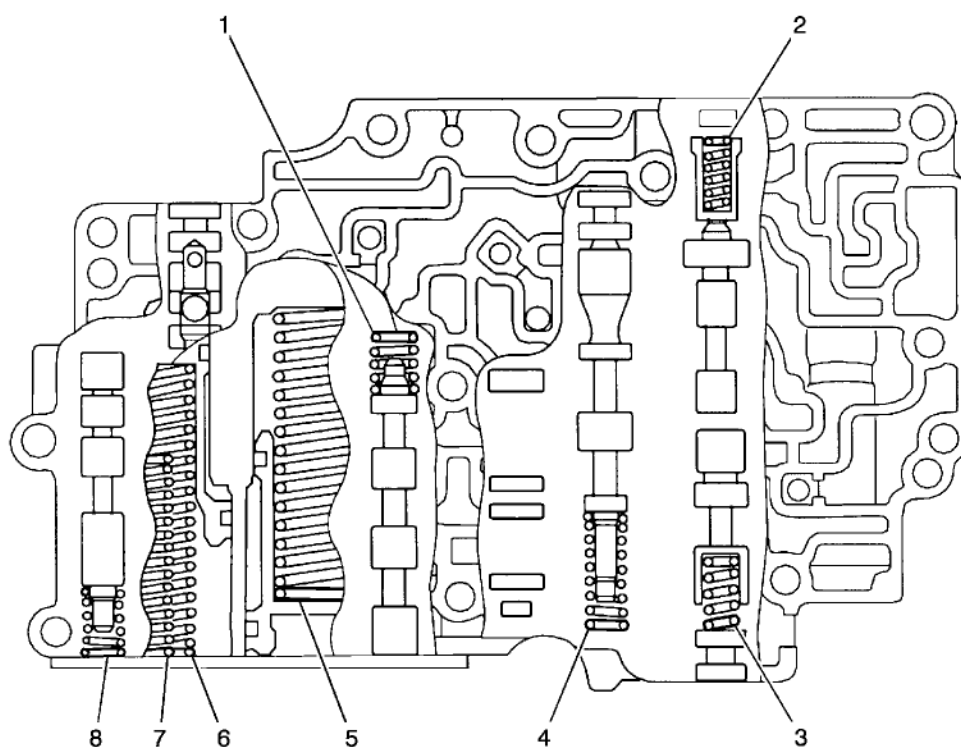


Figure 1: [Oil Pump](#)

Figure 2: [Direct Clutch](#)

Figure 3: [Planetary Ring Gear](#)

Figure 4: [One-Way Clutch](#)

Figure 5: [Forward and Reverse Clutch](#)

Figure 6: [Counter Driven Gear](#)

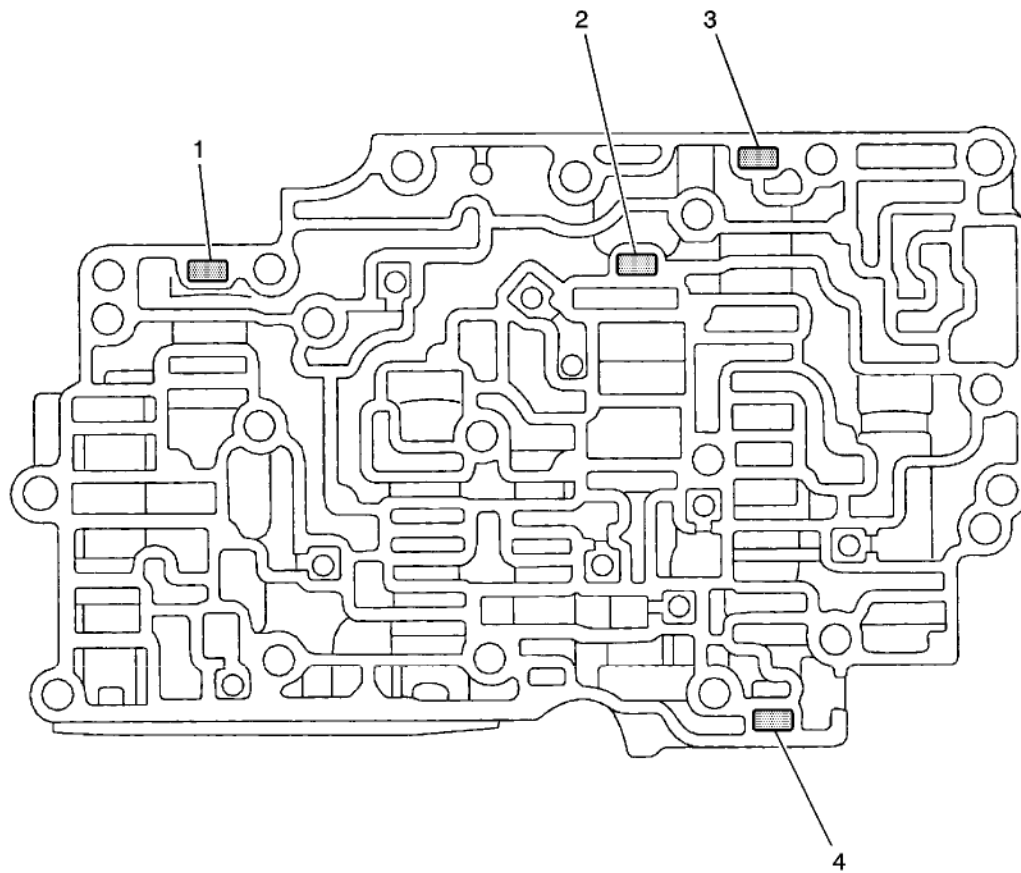
Figure 7: [Valve Body](#)

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Figure 8: [2004 M Car RR](#)Figure 9: [Upper Valve Body](#)

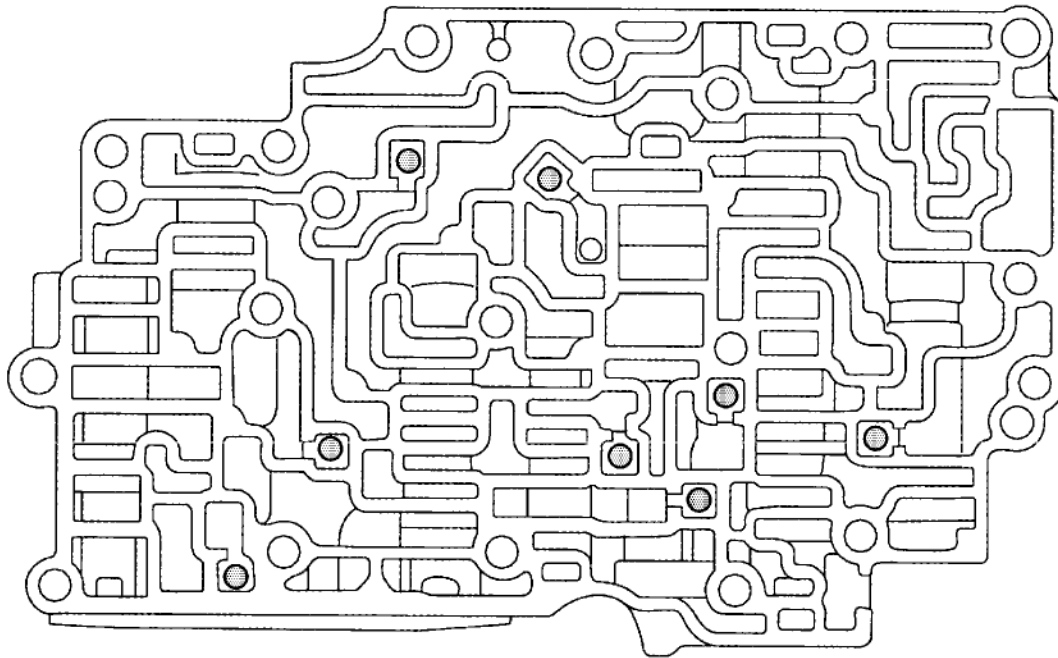
Mark	Name	Color	Free Length		Outer Diameter		Total Number of Coils
			Metric	English	Metric	English	
1	3-4 Shift Valve	Red	25.5 mm	1.0039 in	9.73 mm	0.3831 in	7.75
2	Lock Up Control Valve	Yellow	20.87 mm	0.8217 in	5.55 mm	0.2185 in	11.15
3	Reverse Control Valve	--	25.58 mm	1.0071 in	8.64 mm	0.3402 in	8.75
4	Secondary Regulator Valve	White	34.56 mm	1.3606 in	8.8 mm	0.346 in	12.27
5	Reverse Clutch Accumulator Piston	--	65.4 mm	2.5748 in	17 mm	0.669 in	13.7
6	2nd Brake Accumulator Piston - Outer	White	69 mm	2.7165 in	16 mm	0.63 in	15.1
7	2nd Brake Accumulator Piston - Inner	--	45.9 mm	1.8071 in	10.5 mm	0.413 in	16.9
8	3-4 Shift Timing Valve	Pink	28.41 mm	1.1185 in	6.4 mm	0.252 in	10.49

Upper Valve Body Key



Mark	Retainer	Height		Width		Thickness	
		Metric	English	Metric	English	Metric	English
1	Check Valve	11.5 mm	0.453 in	5 mm	0.197 in	3.2 mm	0.126 in
2	Secondary Regulator Valve	16 mm	0.63 in	5 mm	0.197 in	3.2 mm	0.126 in
3	Lock Up Control Valve	16 mm	0.63 in	5 mm	0.197 in	3.2 mm	0.126 in
4	Reverse Control Valve	11.5 mm	0.453 in	5 mm	0.197 in	3.2 mm	0.126 in

Upper Valve Body Check Ball



Name	Metric	English
Check Ball	5.535 mm	0.21791 in

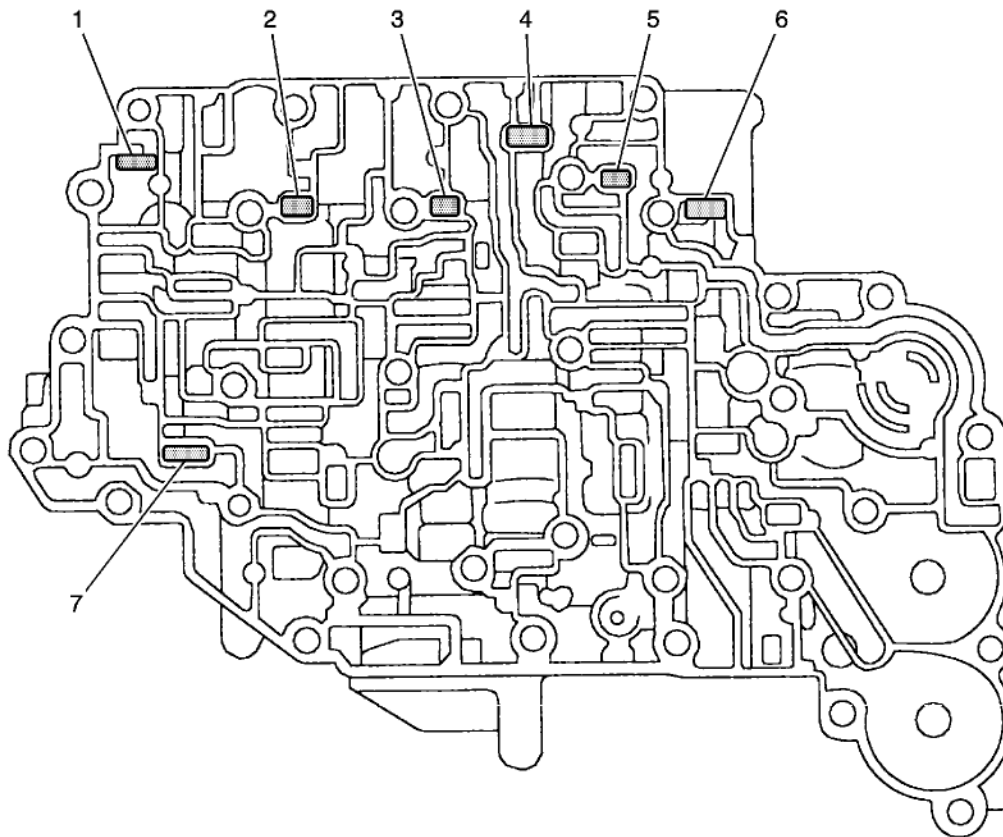
Figure 10: [Lower Valve Body](#)

Figure 11: [Lower Valve Body Spring](#)

Mark	Name	Color	Free Length		Outer Diameter		Total Number of Coils
			Metric	English	Metric	English	
1	4-3 Shift Timing Valve No. 1	--	33.95 mm	1.3366 in	8.2 mm	0.323 in	12.5
2	Primary Regulator Valve	--	50.53 mm	1.9894 in	13.6 mm	0.535 in	11.07
3	Lock Up Relay Valve	Red	23.42 mm	0.9221 in	5.86 mm	0.2307 in	12.25
4	Solenoid Modulator Valve	Yellow	32.13 mm	1.265 in	8 mm	0.315 in	15.75
5	1-2 Shift Valve	Red	25.5 mm	1.0039 in	9.73 mm	0.3831 in	7.75

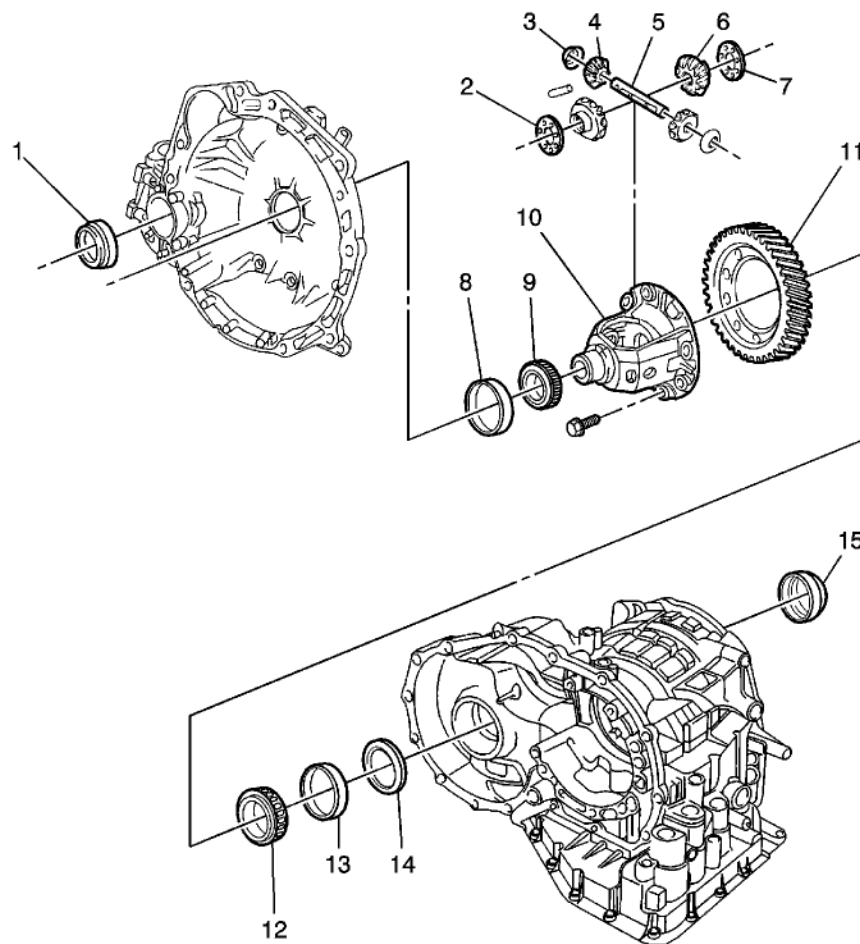
6	2-3 Shift Valve	Red	25.5 mm	1.0039 in	9.73 mm	0.3831 in	7.75
7	Low Modulator Valve	--	30.43 mm	1.198 in	7.75 mm	0.3051 in	12.72

Lower Valve Body Key



Mark	Retainer	Height		Width		Thickness	
		Metric	English	Metric	English	Metric	English
1	4-3 Shift Timing Valve No. 1	36 mm	1.417 in	5 mm	0.197 in	3.2 mm	0.126 in
2	2-3 Shift Valve	10 mm	0.394 in	5 mm	0.197 in	3.2 mm	0.126 in
3	1-2 Shift Valve	10 mm	0.394 in	5 mm	0.197 in	3.2 mm	0.126 in
4	Primary Regulator Valve	9.8 mm	0.386 in	5.2 mm	0.205 in	3.2 mm	0.126 in
5	Lock Up Relay Valve	16 mm	0.63 in	5 mm	0.197 in	3.2 mm	0.126 in
6	Solenoid Modulator Valve	24 mm	0.945 in	5 mm	0.197 in	3.2 mm	0.126 in
7	Low Modulator Valve	24 mm	0.945 in	5 mm	0.197 in	3.2 mm	0.126 in

Differential Case



- (1) Differential Pinion Thrust Washer
- (2) Differential Pinion Gear
- (3) Differential Side Gear Thrust Washer
- (4) Differential Side Gear
- (5) Pin
- (6) Differential Pinion Shaft
- (7) Oil Seal
- (8) Side Bearing Outer Race
- (9) Tapered Roller Bearing
- (10) Differential Case
- (11) Differential Ring Gear
- (12) Tapered Roller Bearing
- (13) Side Bearing Outer Race
- (14) Shim

(15) Oil Seal