

TRANSMISSION

Automatic Transmission - 6L50 (MYB) - Specifications - Canyon, Colorado

SPECIFICATIONS

FASTENER SPECIFICATIONS (OFF VEHICLE)

Application	*Ref No.	Quantity	Size	Specification	
				Metric	English
Case Extension					
Case Extension to Case Assembly	16	6	M10x1.5x40	55 N.m	41 lb ft
Transfer Case Adapter	16	7	M10x1.5x40	55 N.m	41 lb ft
Control Solenoid Valve Assembly and Control Valve Lower Body Assembly to Control Valve Upper Body Assembly	310	6	M5x0.8x55	8 N.m	71 lb in
Control Solenoid Valve Assembly and Control Valve Lower Body Assembly to Control Valve Upper Body Assembly	309	10	M5x0.8x45	8 N.m	71 lb in
Control Solenoid Valve Heat Sink to Valve Body	312	2	M5x0.8x53	8 N.m	71 lb in
Control Valve Upper Body Assembly to Control Valve Lower Body Assembly	301	12	M5x0.8x36	8 N.m	71 lb in
Control (with Body and Valve) Valve Assembly to Case Assembly	22	6	M5x0.8x73	8 N.m	71 lb in
Fluid Pan Assembly to Case Assembly (6L80)	30	18	M6x1.0x20	9 N.m	80 lb in
Fluid Pan Assembly to Case Assembly (6L50)	30	17	M6x1.0x20	9 N.m	80 lb in
Fluid Pump Cover Assembly to Torque Converter Housing	231	13	M6 1.0x40	11 N.m	97 lb in
Front Prop Shaft Flange Nut to Output Shaft	39	1	M22x1.5x14	55 N.m	41 lb ft
Input and Output Speed Sensor Assembly to Control Valve Upper Body Assembly	302	2	M6x1.0x20	12 N.m	106 lb in
Line Pressure Test Hole Plug to Torque Converter Housing	202	1	1/8-27 NPTF	11 N.m	97 lb in
Manual Shaft Detent Assembly to Valve Body	23	1	M6x1.0x14.5	12 N.m	106 lb in

Application	Ref No	Quantity	Specification		
			Size	Metric	English
NOTE: All fasteners listed in this table can be reused after removal.					
Torque Converter Housing Assembly to Case Assembly (6L50)	3	8	M8x1.25x50	31 N.m	23 lb ft
Application			Specification		
Torque Converter Housing Assembly to Case Assembly (6L80)			Metric (English)		
Transmission Cover Bolt	42	2	-	12 N.m	106 lb in
Trans Oil Level Check Plug to Fluid Pan Assembly	31	1	M12x1.75	25 N.m	18 lb ft
*Reference number refers to the component callout number in Disassembled Views					

FASTENER SPECIFICATIONS (ON VEHICLE)

Reusable Threaded Fastener Tightening Specifications

NOTE: <i>All fasteners listed in this table can be reused after removal.</i>	
Application	Specification
	Metric (English)
Auxiliary Transmission Oil Cooler Quick Connect Fittings	25 N.m (18 lb ft)
Auxiliary Transmission Oil Cooler Brace to Skid Bar Bolt	25 N.m (18 lb ft)
Auxiliary Transmission Oil Cooler Bracket to Body Nuts	8 N.m (71 lb in)
Auxiliary Transmission Oil Cooler to Bracket Mounting Bolts	22 N.m (16 lb ft)
Shift Control Assembly to Body Nuts	9 N.m (80 lb in)
Shift Control Knob Screw	2 N.m (18 lb in)
Shift Control Linkage to Manual Shift Shaft Nut (AWD)	20 N.m (15 lb ft)
Shift Control Linkage to Manual Shift Shaft Nut (RWD)	15 N.m (11 lb ft)
Shift Control Linkage to Shift Control Assembly Nut	9 N.m (80 lb in)
Torque Converter to Flywheel Bolts	63 N.m (46 lb ft)
Transmission Oil Cooler Pipe Clip to Oil Pan Nuts	10 N.m (89 lb in)
Transmission Oil Cooler Pipe Clip to Torque Tube Bolts	12 N.m (106 lb in)
Transmission Oil Cooler Pipes to Transmission Bolt	16 N.m (12 lb ft)
Transmission to Engine Block Bolts	50 N.m (37 lb ft)
Transmission Support Assembly to Body Bolts	60 N.m (44 lb ft)
Transmission Support Assembly to Transmission Bolts - RWD	60 N.m (44 lb ft)
Transmission Support Assembly to Transmission Bolts - AWD	110 N.m (81 lb ft)

APPROXIMATE FLUID CAPACITIES

Application	Specification	
	Metric	English
Pan Removal and Filter Replacement - Approximate Capacity (6L50)	6.3 liters	6.7 quarts

Classification	6L45 Thickness (mm)	6L50 Thickness (mm)	6L80 Thickness (mm)	6L90 Thickness (mm)
Application	Type of Material		United States	Canada
Overhaul - Approximate Capacity (6L50)			9.3 liters	9.8 quarts
Complete Trans System - Capacity (6L50)			10.6 liters	11.2 quarts

TRANSMISSION GENERAL SPECIFICATIONS

Name	6L45	6L50	6L80	6L90
RPO Codes	MYA	MYB	MYC	MYD
Production Location	Silao, Mexico; Strasbourg, France; Toledo, OH (USA)	Silao, Mexico; Strasbourg, France; Toledo, OH (USA)	Silao, Mexico; Strasbourg, France; Toledo, OH (USA)	Silao, Mexico; Strasbourg, France; Toledo, OH (USA)
Transmission Drive	Rear Wheel Drive	Rear Wheel Drive	Rear Wheel Drive	Rear Wheel Drive
1st Gear Ratio	4.065	4.065	4.027	4.027
2nd Gear Ratio	2.371	2.371	2.364	2.364
3rd Gear Ratio	1.551	1.551	1.532	1.532
4th Gear Ratio	1.157	1.157	1.152	1.152
5th Gear Ratio	0.853	0.853	0.852	0.852
6th Gear Ratio	0.674	0.674	0.667	0.667
Reverse	3.200	3.200	3.064	3.064
Torque Converter Size - Diameter of Torque Converter Turbine	240/258 mm	245/258 mm	258/300 mm	300 mm
Pressure Taps	Line Pressure	Line Pressure	Line Pressure	Line Pressure
Transmission Fluid Type	DEXRON VI [®]	DEXRON VI [®]	DEXRON VI [®]	DEXRON VI [®]
Transmission Type: 6	Six Forward Gears	Six Forward Gears	Six Forward Gears	Six Forward Gears
Transmission Type: L	Longitude Mount	Longitude Mount	Longitude Mount	Longitude Mount
Transmission Type: 50	Product Series	Product Series	Product Series	Product Series
Position Quadrant	P, R, N, D, M	P, R, N, D, M	P, R, N, D, S	P, R, N, D, M
Case Material	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
Transmission Net Weight (Approximate)	75-78 kg (165-172 lb)	90 kg (198 lb)	95.1-103.7 kg (209.7-228.6 lb)	110 kg (243 lb)
Maximum Trailer Towing Capacity	Refer to applicable owner's manual	Refer to applicable owner's manual	N/A	Refer to applicable owner's manual

ADHESIVES, FLUIDS, LUBRICANTS, AND SEALERS

Application	Type of Material	GM Part Number	
		United States	Canada
Automatic Transmission Fluid	DEXRON VI [®]	88861037	19264717
Front Prop Shaft Flange Nut	Threadlock	89021297	10953488

FLUID PUMP SELECTIVE SPECIFICATIONS

Size Classification	Thickness (mm)	Thickness (in)

Classification		
Metric		English
Retaining Ring Thickness		O.D. Color
NOTE: • Rotor and slide must be chosen from the same size classification as the oil pump body. • Allowable rotor and slide to fluid pump body end play is as follows: Specification • Slide to Fluid Pump Body End Play - 0.020-0.051 mm (0.0008-0.0020 in) • Rotor to Fluid Pump Body End Play - 0.020-0.051 mm (0.0008-0.0020 in) The fluid pump assembly has selective rotor and slide components. These components are chosen based on pump body dimensions. Fluid pump rotor and slide components are available in three size classifications (1, 2, 3) with the following tolerances:		
Rotor Selection		
1	17.948-17.961	0.7066-0.7071
2	17.961-17.974	0.7071-0.7076
3	17.974-17.987	0.7076-0.7081
Slide Selection		
1	17.948-17.961	0.7066-0.7071
2	17.961-17.974	0.7071-0.7076
3	17.974-17.987	0.7076-0.7081

CLUTCH BACKING PLATE RETAINING RING SPECIFICATIONS (6L50)

3-5 Reverse Clutch

Clutch Pack Travel Specification - 1.20-1.74 mm (0.047-0.069 in)		
Retaining Ring Thickness		O.D. Color
Metric	English	
NOTE: After measuring clutch pack travel, determine if the measurement is within the specification. If the measurement is not within the specification, measure the thickness of the existing retaining ring, and then choose a thicker or thinner retaining ring that will bring the measurement within specification.		
2.24-2.34 mm	0.088-0.092 in	Purple - Purple
2.25-2.35 mm	0.089-0.093 in	Light Green - Light Green
2.47-2.57 mm	0.097-0.101 in	Gray - Gray
2.69-2.79 mm	0.106-0.110 in	Yellow - Yellow
2.91-3.01 mm	0.115-0.119 in	Orange - Orange
3.13-3.23 mm	0.123-0.127 in	Light Blue - Light Blue
3.35-3.45 mm	0.132-0.136 in	White - White
3.57-3.67 mm	0.141-0.144 in	Yellow - Purple
3.79-3.89 mm	0.149-0.153 in	Light Blue - Purple

1-2-3-4 Clutch

Clutch Pack Travel Specification - 1.50-1.98 mm (0.059-0.078 in)
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Clutch Pack Travel Specification - 1.30-1.98 mm (0.051-0.078 in)		
Retaining Ring Thickness		O.D. Color
Metric	English	
NOTE:		
After measuring clutch pack travel, determine if the measurement is within the specification. If the measurement is not within the specification, measure the thickness of the existing retaining ring, and then choose a thicker or thinner retaining ring that will bring the measurement within specification.		
2.25-2.35 mm	0.089-0.093 in	Light Green - Light Green
2.47-2.57 mm	0.097-0.101 in	Gray - Gray
2.69-2.79 mm	0.106-0.110 in	Yellow - Yellow
2.91-3.01 mm	0.115-0.119 in	Orange - Orange
3.13-3.23 mm	0.123-0.127 in	Light Blue - Light Blue
3.35-3.45 mm	0.132-0.136 in	White - White
3.57-3.67 mm	0.141-0.144 in	Yellow - Purple
3.79-3.89 mm	0.149-0.153 in	Light Blue - Purple

4-5-6 Clutch

Clutch Pack Travel Specification - 1.17-1.76 mm (0.046-0.069 in)		
Retaining Ring Thickness		O.D. Color
Metric	English	
NOTE:		
After measuring clutch pack travel, determine if the measurement is within the specification. If the measurement is not within the specification, measure the thickness of the existing retaining ring, and then choose a thicker or thinner retaining ring that will bring the measurement within specification.		
2.24-2.34 mm	0.088-0.092 in	Purple - Purple
2.52-2.62 mm	0.099-0.103 in	Light Green - Light Green
2.80-2.90 mm	0.110-0.114 in	Gray - Gray
3.08-3.18 mm	0.121-0.125 in	Yellow - Yellow
3.36-3.46 mm	0.132-0.136 in	Orange - Orange
3.64-3.74 mm	0.143-0.147 in	Light Blue - Light Blue
3.92-4.02 mm	0.154-0.158 in	White - White
4.20-4.30 mm	0.165-0.169 in	Yellow - Purple

2-6 Clutch

Clutch Pack Travel Specification - 1.20-1.96 mm (0.047-0.077 in)		
Retaining Ring Thickness		O.D. Color
Metric	English	
NOTE:		
After measuring clutch pack travel, determine if the measurement is within the specification. If the measurement is not within the specification, measure the thickness of the existing retaining ring, and then choose a thicker or thinner retaining ring that will bring the measurement within specification.		
1.64-1.74 mm	0.065-0.069 in	Orange
1.92-2.02 mm	0.076-0.080 in	Yellow Stripe

Clutch Pack Travel Specification - 1.65-2.96 mm (0.065-0.092 in)										
Retaining Ring Thickness										
Range	Metric	Reverse	Neutral	1st	2nd	3rd	4th	5th	6th	
	2.20-2.30 mm			CL PC	0.087-0.091 in	CL PC	4-5-6 CL	Light Blue Stripe		
	2.48-2.58 mm			SOL 5	0.098-0.102 in	SOL 2	PC SOL 3	6L45 6L50 6L80 6L90		
Gear	2.76-2.86 mm	2		N.L.	N.L.	N.H.	N.H.	Purple Stripe		
					0.109-0.113 in			Green		

Low/Reverse Clutch

Clutch Pack Travel Specification - 1.65-2.33 mm (0.065-0.092 in)		
Retaining Ring Thickness		O.D. Color
Metric	English	
NOTE: After measuring clutch pack travel, determine if the measurement is within the specification. If the measurement is not within the specification, measure the thickness of the existing retaining ring, and then choose a thicker or thinner retaining ring that will bring the measurement within specification.		
1.98-2.08 mm	0.078-0.082 in	Orange
2.28-2.38 mm	0.090-0.094 in	Yellow Stripe
2.58-2.68 mm	0.102-0.106 in	Light Blue Stripe
2.88-2.98 mm	0.113-0.117 in	Purple Stripe
3.18-3.28 mm	0.125-0.129 in	Green

RANGE REFERENCE

Range Reference Table

Range	Park	Reverse	Neutral	Drive						
				1st Braking	1st	2nd	3rd	4th	5th	6th
1-2-3-4 Clutch	-	-	-	Applied	Applied	Applied	Applied	Applied	-	-
3-5 Reverse Clutch	-	Applied	-	-	-	-	Applied	-	Applied	-
4-5-6 Clutch	-	-	-	-	-	-	-	Applied	Applied	Applied
2-6 Clutch	-	-	-	-	-	Applied	-	-	-	Applied
Low and Reverse Clutch	Applied*	Applied	Applied*	Applied	-	-	-	-	-	-
Low Clutch Sprag	-	-	-	Holding	Holding	-	-	-	-	-
* = Applied with NO load										

SHIFT SOLENOID VALVE STATE AND GEAR RATIO

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Gear Selector Position		Signal A	Signal B	Signal C	Signal P
Gear		CL PC	4-6 CL	4-5 CL	6L45-6L50
Shift SOL		SOL 1	PC SOL 4	SOL 2	PC SOL 3
Gear		CL PC	2-3 CL	CL PC	4-5 CL
Park		Shift SOL	Shift SOL	Shift SOL	Shift SOL
Reverse		ON	OFF	ON	ON
Neutral		ON	ON	OFF	ON
1st Braking		ON	ON	ON	ON
1st		OFF	ON	ON	OFF
2nd		OFF	ON	ON	OFF
3rd		OFF	ON	ON	OFF
4th		OFF	ON	ON	OFF
5th		OFF	ON	OFF	ON
6th		OFF	ON	OFF	ON

For shift solenoids 1 and 2, "ON" = Solenoid Energized (Pressurized) "OFF" = Solenoid De-energized (No Pressure).

For pressure control solenoids, "ON" = Pressurized, "OFF" = No Pressure

TRANSMISSION FLUID PRESSURE SWITCH LOGIC

Transmission Fluid Pressure (TFP) Switch Logic

Gear	TFP Switch States			
	TFP SW1	*TFP SW3	TFP SW4	TFP SW5
Park	High	Low	Low	Low
Reverse	Low	Low	Low	Low
Neutral	High	Low	Low	Low
Drive 1st - Engine Braking	High	High	Low	Low
Drive 1st	High	High	Low	High
Drive 2nd	High	Low	Low	High
Drive 3rd	Low	High	Low	High
Drive 4th	High	High	Low	Low
Drive 5th	Low	High	High	Low
Drive 6th	High	High	High	Low
Drive 6th (Possible additional gear state)	High	Low	High	Low

High = 12V (Switch Open or Pressurized)
Low = 0V (Switch Closed or No Pressure)
Note: All TFP switches are normally closed (NC)
*TFP switch 2 does not exist

TRANSMISSION INTERNAL MODE SWITCH LOGIC

Gear Selector Position	Signal A	Signal B	Signal C	Signal P
Park	LOW	HI	HI	LOW
Park/Reverse	LOW	LOW	HI	LOW
Reverse	LOW	LOW	HI	HI
Reverse/Neutral	HI	LOW	HI	HI
Neutral	HI	LOW	HI	LOW
Neutral/Drive 6	HI	LOW	LOW	LOW

Factor	Position	Quantity	Signal A	Signal B	Component	Signal C	Signal P
Drive 6			HI	LOW		LOW	HI
Drive 6/Drive 4			LOW	LOW		LOW	HI
Drive 4			LOW	LOW		LOW	LOW
Drive 4/Drive 3			LOW	HI		LOW	LOW
Drive 3			LOW	HI		LOW	HI
Drive 3/Drive 2			HI	HI		LOW	HI
Drive 2			HI	HI		LOW	LOW
Open			HI	HI		HI	HI
Invalid			HI	HI		HI	LOW
Invalid			LOW	HI		HI	HI

HI = Ignition voltage
LOW = 0 volts

TRANSMISSION PARTS KIT SPECIFICATIONS

A/Trans Fluid Filter Kit

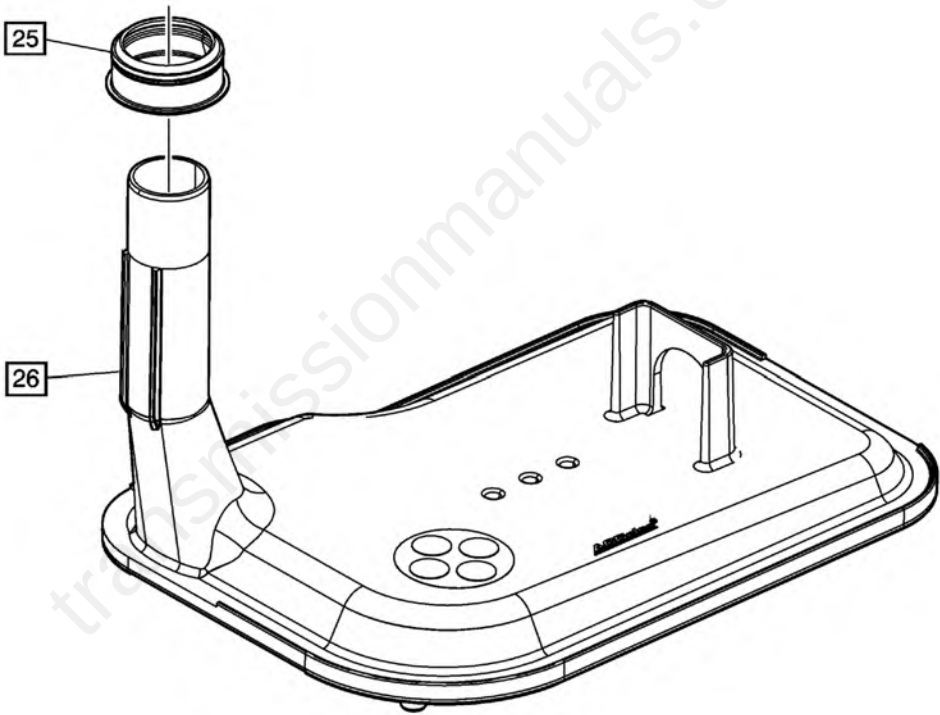


Fig. 1: Automatic Transmission Fluid Filter Kit
Courtesy of GENERAL MOTORS COMPANY

A/Trans Fluid Filter Kit

Callout	Quantity	Component Name
25	1	A/Trans Fluid Filter Seal Assembly
26	1	A/Trans Fluid Filter Assembly

A/Trans Fluid Pump Rotor Package

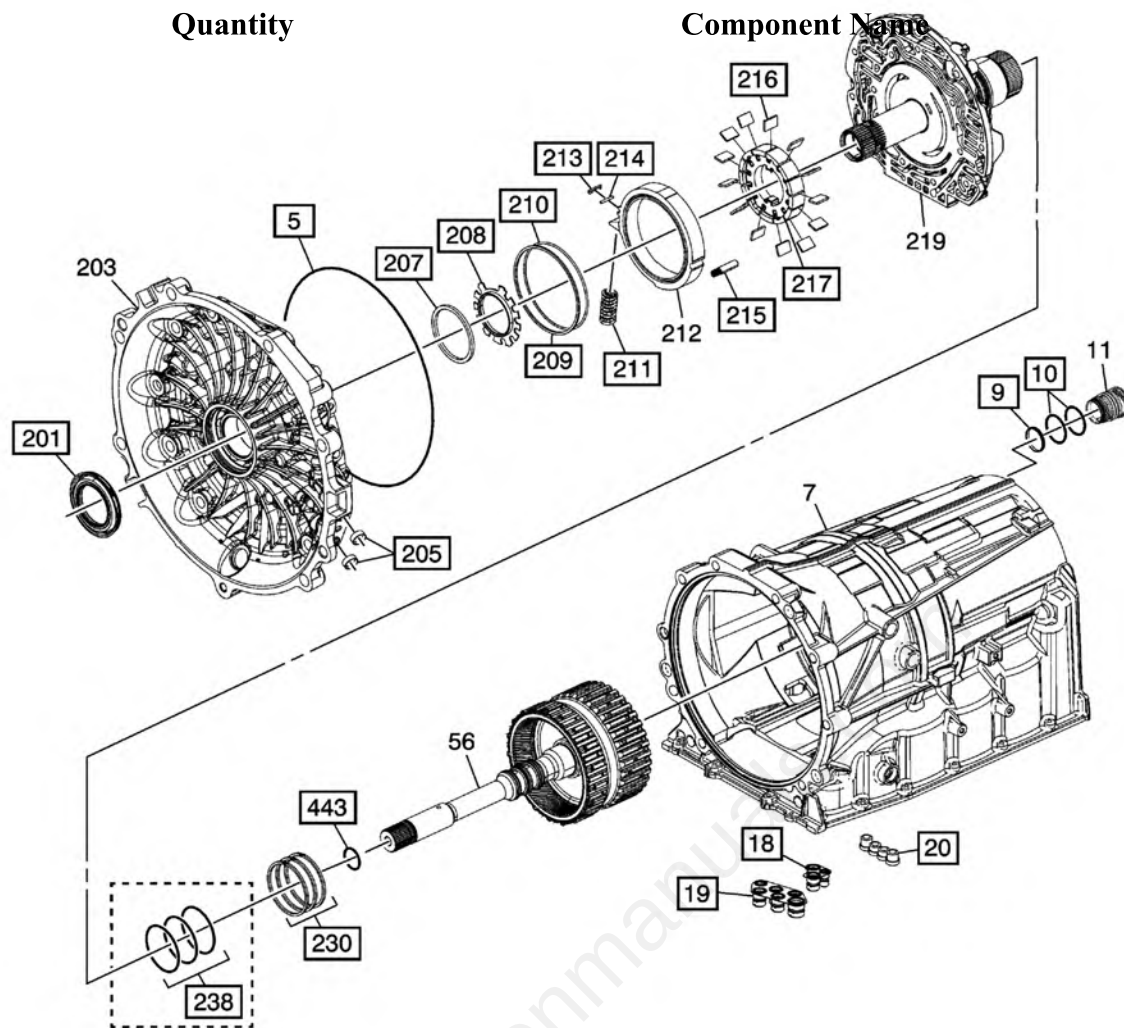


Fig. 2: Automatic Transmission Fluid Pump Rotor Package

Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

A/Trans Fluid Pump Rotor Package

Callout	Quantity	Component Name
5	1	A/Trans Fluid Pump Seal
9	1	A/Trans Connector Seal
10	2	A/Trans Connector (O-Ring) Seal
18	1	A/Trans Fluid Pump Seal Assembly
19	1	A/Trans Fluid Pump Seal Assembly
20	1	Center Support Fluid Passage Seal Assembly
201	1	Torque Converter Fluid Seal Assembly
205	2	A/Trans Fluid Cooler Pipe Fitting
207	1	A/Trans Fluid Pump Vane Ring
208	1	A/Trans Fluid Pump Rotor Guide
209	1	A/Trans Fluid Pump Slide Fluid Seal Ring
210	1	A/Trans Fluid Pump Slide (O-Ring) Seal
211	1	A/Trans Fluid Pump Slide Outer Spring

	Quantity	Component Name
213	1	A/Trans Fluid Pump Slide Seal
214	1	A/Trans Fluid Pump Slide Seal Support
215	1	A/Trans Fluid Pump Slide Pivot Pin
216	13	A/Trans Fluid Pump Vane
217	1	A/Trans Fluid Pump Rotor
230	3	1-2-3-4 and 3-5 Reverse Clutch Fluid Seal Ring
238	3	1-2-3-4 and 3-5 Reverse Clutch Fluid Seal Ring
443	1	Turbine Shaft (O-Ring) Seal

A/Trans Service Seal Kit

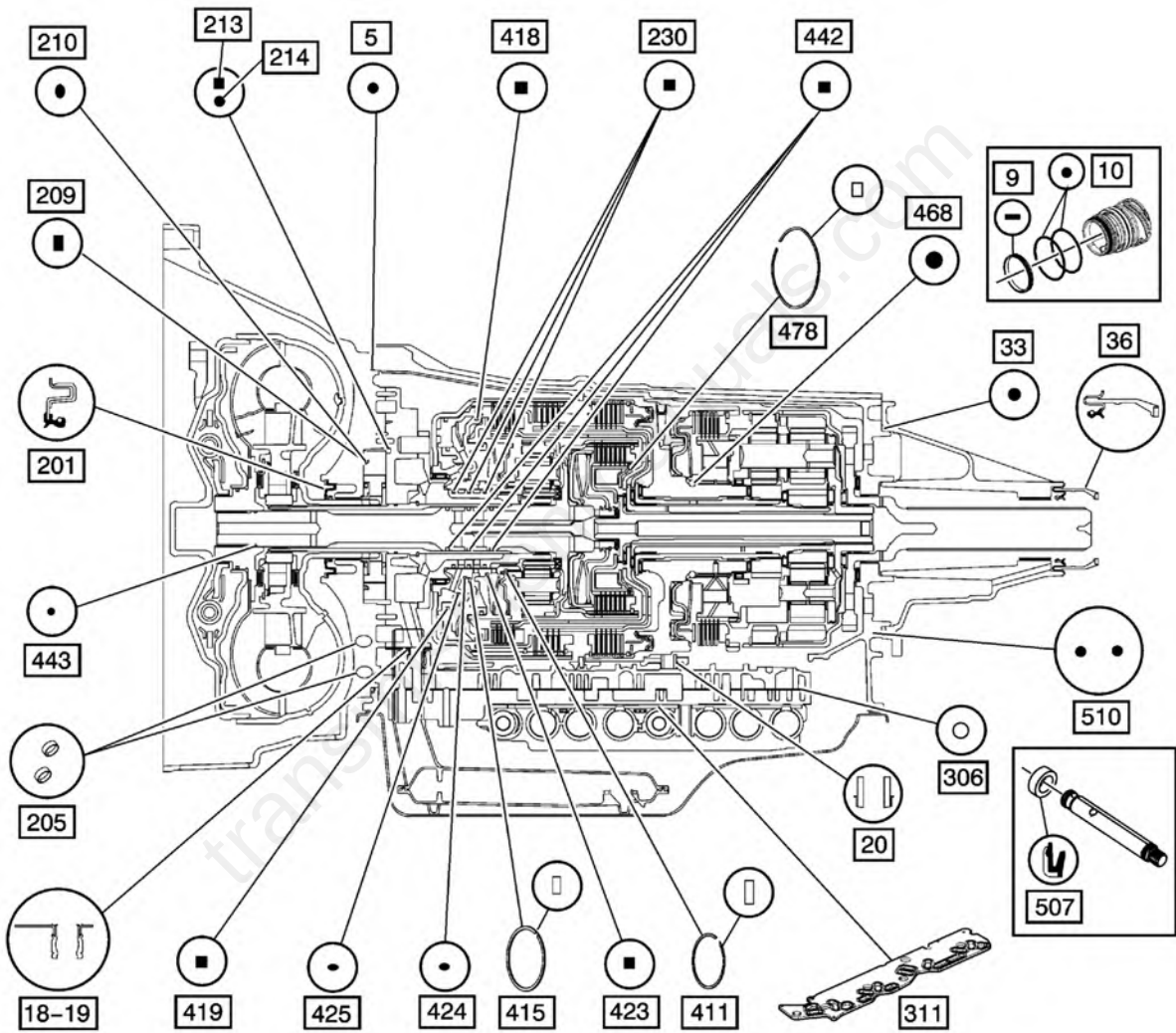


Fig. 3: Automatic Transmission Service Seal Kit
 Courtesy of GENERAL MOTORS COMPANY

A/Trans Service Seal Kit

Callout	Quantity	Component Name
5	1	A/Trans Fluid Pump Seal
9	1	A/Trans Connector Seal
10	2	A/Trans Connector (O-Ring) Seal
18	1	A/Trans Fluid Pump Seal Assembly

	Quantity	Component Name
19	1	A/Trans Fluid Pump Seal Assembly
20	1	Center Support Fluid Passage Seal Assembly
33	1	A/Trans Case Extension Seal
36	1	Prop Shaft Front Slip Yoke Oil Seal
201	1	Torque Converter Fluid Seal Assembly
205	2	A/Trans Fluid Cooler Pipe Fitting Seal
209	1	A/Trans Fluid Pump Slide Fluid Seal Ring
210	1	A/Trans Fluid Pump Slide (O-Ring) Seal
213	1	A/Trans Fluid Pump Slide Seal
214	1	A/Trans Fluid Pump Slide Seal Support
230	3	1-2-3-4 and 3-5 Reverse Clutch Fluid Seal Ring
306	7	Control Valve Body Ball Check Valve
311	1	Control Solenoid Valve Filter Plate Assembly
411	1	1-2-3-4 Clutch Piston Dam Retaining Ring
415	1	1-2-3-4 Clutch Piston Housing Retaining Ring
418	1	3-5 Reverse Clutch Piston Dam (O-Ring) Seal
419	1	3-5 Reverse Clutch Piston Inner Seal
423	1	1-2-3-4 Clutch Piston Inner Seal
424	1	1-2-3-4 Clutch Piston Housing Seal
425	1	1-2-3-4 Clutch Piston Housing Seal
442	3	Turbine Shaft Fluid Seal Ring
443	1	Turbine Shaft (O-Ring) Seal
468	1	Low Clutch Sprag Seal
478	1	4-5-6 Clutch Dampener Retaining Ring
507	1	Manual Shift Shaft Seal
510	2	Park Pawl Actuator Guide (O-Ring) Seal

Clutch Plate Package

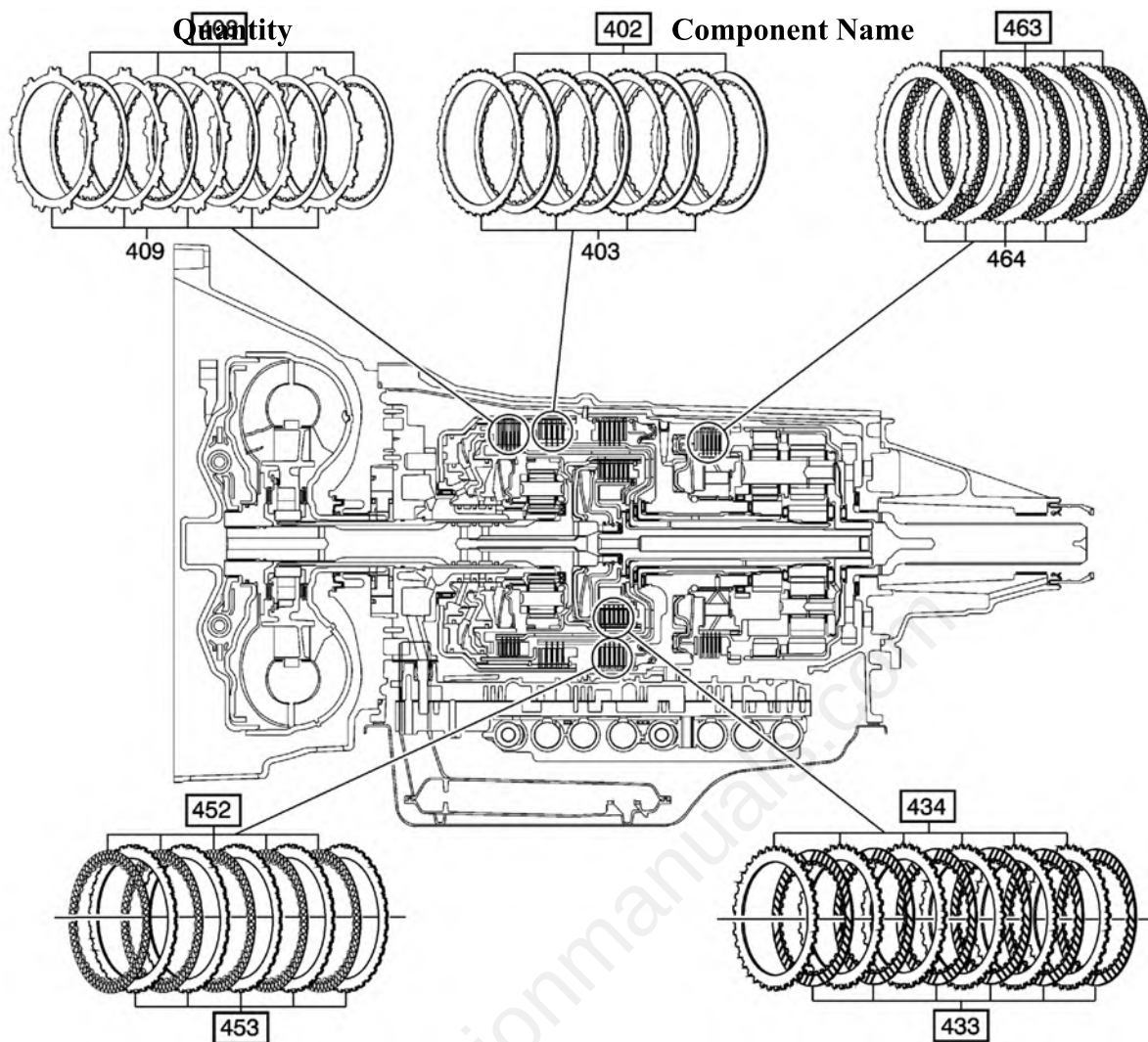


Fig. 4: Clutch Plate Package

Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

Clutch Plate Package

Callout	Quantity	Component Name
402	4	3-5 Reverse Clutch Plate Assembly
408	5	1-2-3-4 Clutch Plate Assembly
433	6	4-5-6 Clutch Plate Assembly
434	6	4-5-6 Clutch Plate
452	5	2-6 Clutch Plate Assembly
453	5	2-6 Clutch Plate
463	5	Low and Reverse Clutch Plate Assembly

A/Trans Electrical Connector Passage Sleeve Seal Kit

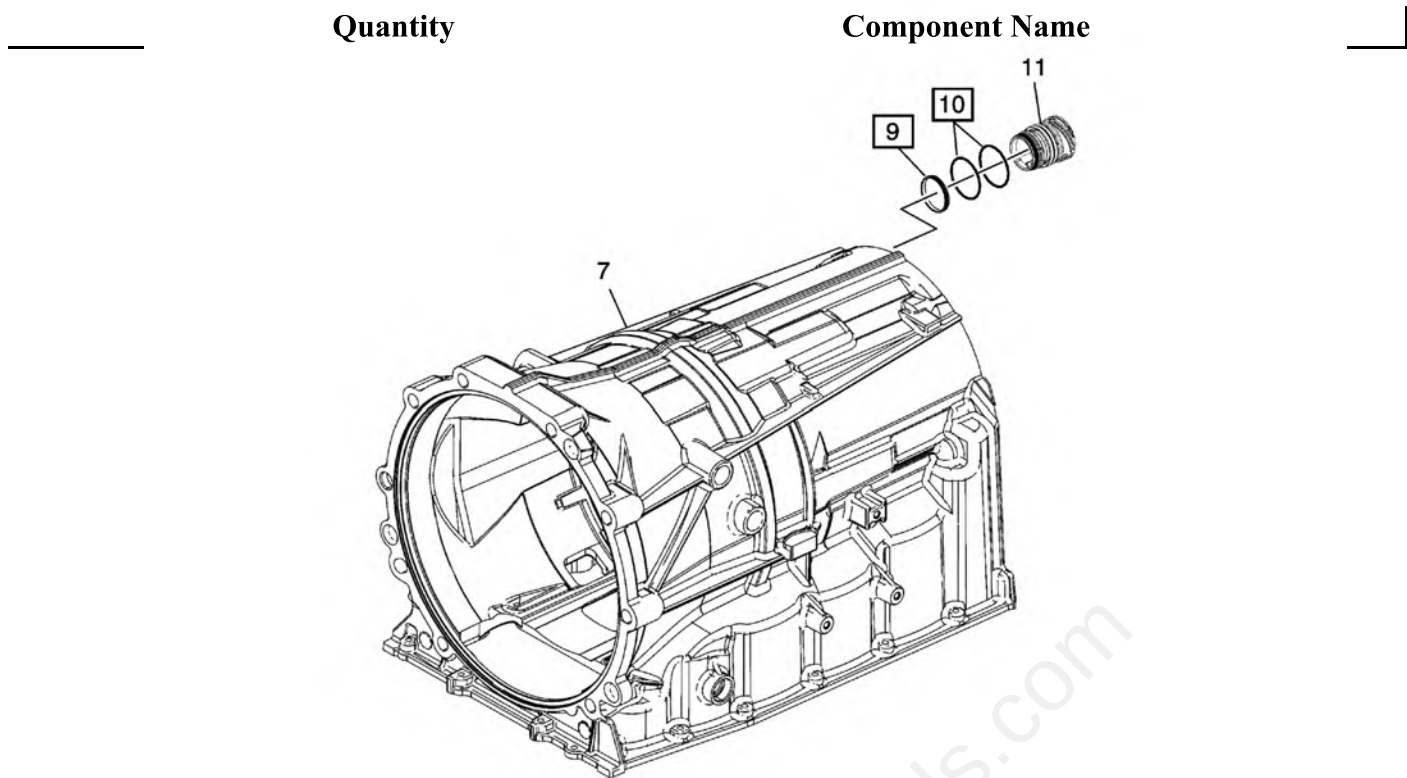


Fig. 5: Automatic Transmission Electrical Connector Passage Sleeve Seal Kit
Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit.
Callouts without boxes are shown for relationship purposes only.

A/Trans Electrical Connector Passage Sleeve Seal Kit

Callout	Quantity	Component Name
9	1	A/Trans Connector Seal
10	2	A/Trans Connector (O-Ring) Seal

A/Trans Control Solenoid Valve Assembly Seal Kit

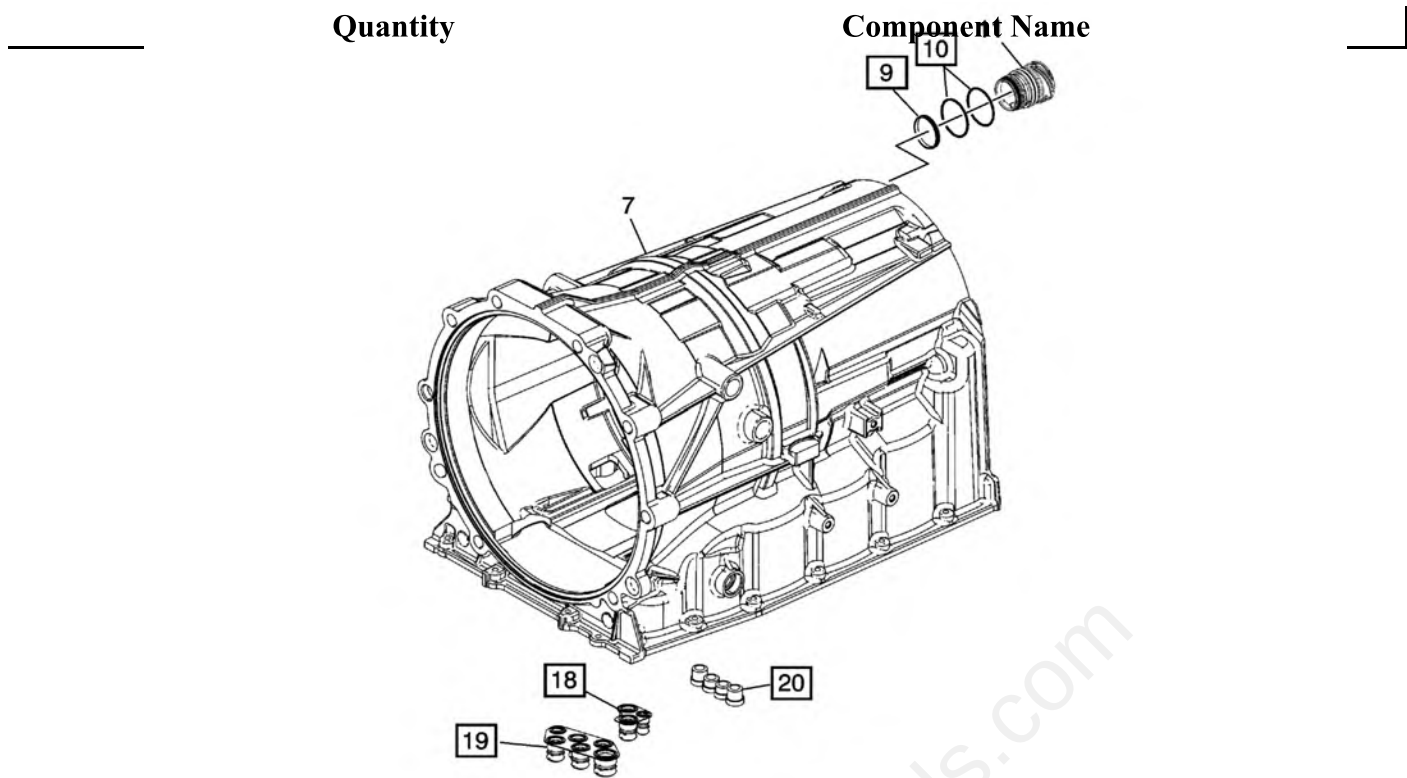


Fig. 6: Automatic Transmission Control Solenoid Valve Assembly Seal Kit

Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

A/Trans Control Solenoid Valve Assembly Seal Kit

Callout	Quantity	Component Name
9	1	A/Trans Connector Seal
10	2	A/Trans Connector (O-Ring) Seal
18	1	A/Trans Fluid Pump Seal Assembly
19	1	A/Trans Fluid Pump Seal Assembly
20	1	Center Support Fluid Passage Seal Assembly

A/Trans Clutches Seal Kit

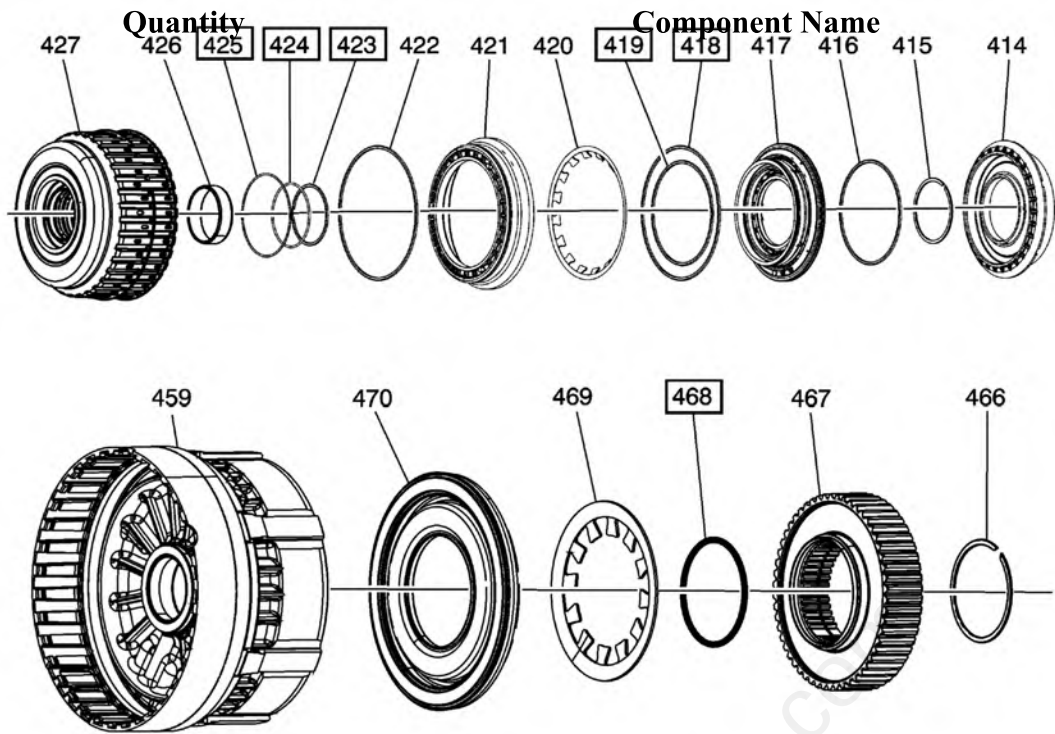


Fig. 7: Automatic Transmission Clutches Seal Kit

Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

A/Trans Clutches Seal Kit

Callout	Quantity	Component Name
418	2	3-5 Reverse Clutch Piston Dam (O-Ring) Seal
419	2	3-5-Reverse Clutch Piston Inner Seal
423	1	1-2-3-4 Clutch Piston Inner Seal
424	1	1-2-3-4 Clutch Piston Housing Seal
425	1	1-2-3-4 Clutch Piston Housing Seal
468	1	Low Clutch Sprag Seal

A/Trans Fluid Pump Cover Package

Quantity

Component Name

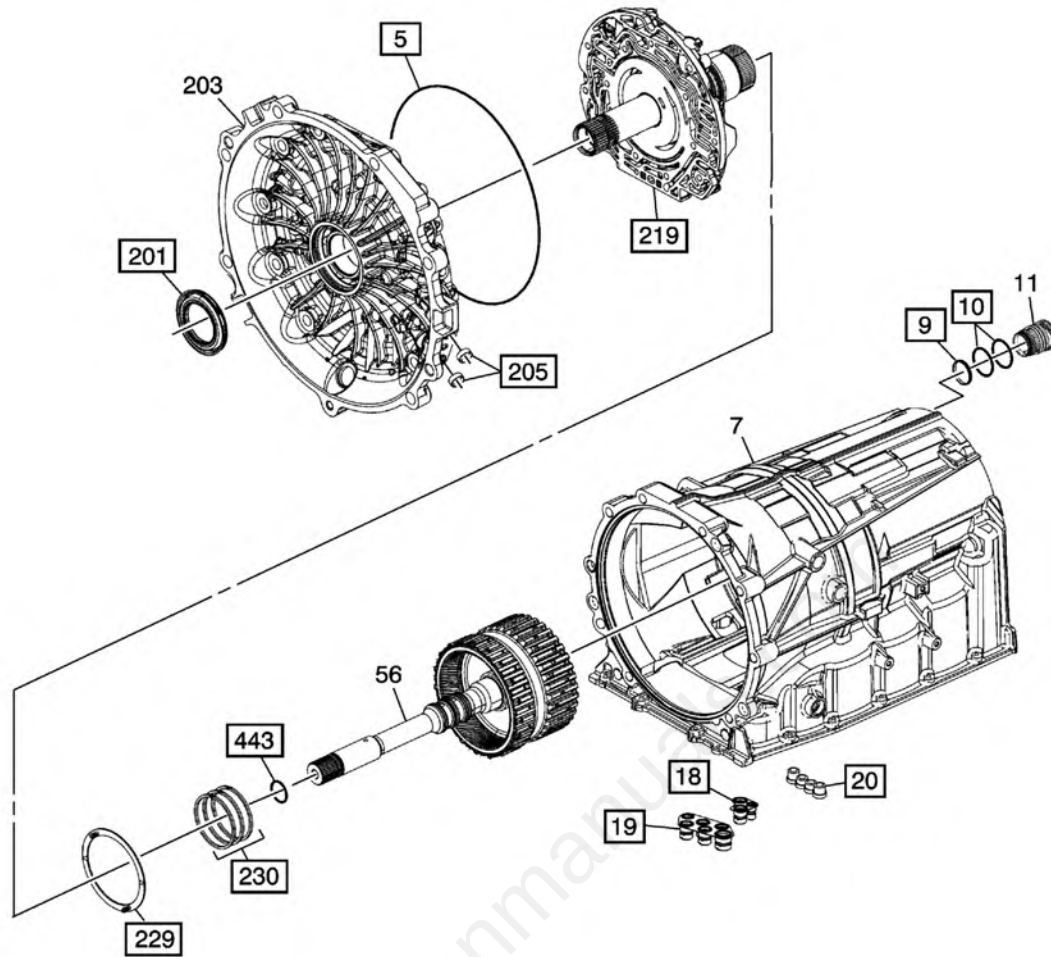


Fig. 8: Automatic Transmission Fluid Pump Cover Package

Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

A/Trans Fluid Pump Cover Package

Callout	Quantity	Component Name
5	1	A/Trans Fluid Pump Seal
9	1	A/Trans Connector Seal
10	2	A/Trans Connector (O-Ring) Seal
18	1	A/Trans Fluid Pump Seal Assembly
19	1	A/Trans Fluid Pump Seal Assembly
20	1	Center Support Fluid Passage Seal Assembly
201	1	Torque Converter Fluid Seal Assembly
203	1	Torque Converter Fluid Seal Assembly
205	2	A/Trans Fluid Cooler Pipe Fitting
219	1	A/Trans Fluid Pump Cover Assembly
229	1	1-2-3-4 and 3-5 Reverse Clutch Housing Thrust Washer
230	3	1-2-3-4 and 3-5 Reverse Clutch Fluid Seal Ring
443	1	Turbine Shaft (O-Ring) Seal

rag Kit	Quantity	Component Name
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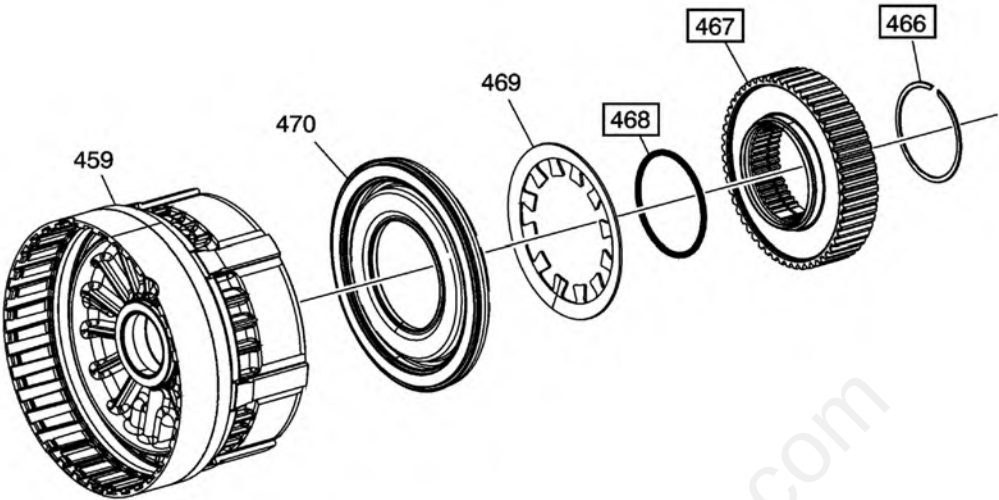


Fig. 9: Low Clutch Sprag Kit
 Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

Low Clutch Sprag Kit

Callout	Quantity	Component Name
466	1	Low Clutch Sprag Seal
467	1	Low Clutch Sprag Assembly
468	1	Low Clutch Sprag Seal

Control Solenoid Valve Filter Plate Kit

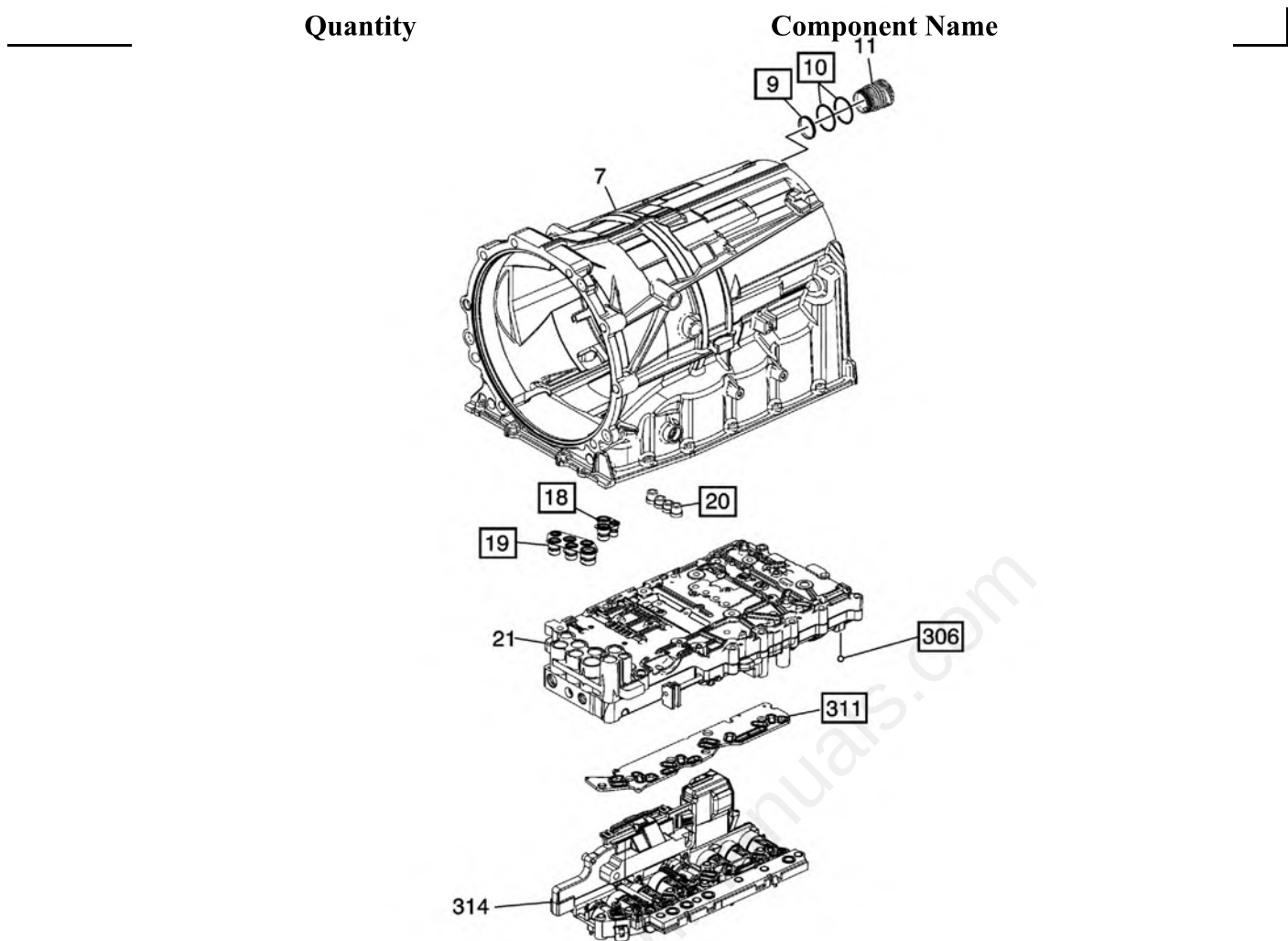


Fig. 10: Control Solenoid Valve Filter Plate Kit
 Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

Control Solenoid Valve Filter Plate Kit

Callout	Quantity	Component Name
9	1	A/Trans Connector Seal
10	2	A/Trans Connector (O-Ring) Seal
18	1	A/Trans Fluid Pump Seal Assembly
19	1	A/Trans Fluid Pump Seal Assembly
20	1	Center Support Fluid Passage Seal Assembly
306	7	Control Valve Body Ball Check Valve
311	1	Filter Plate Assembly

Retaining Ring Package

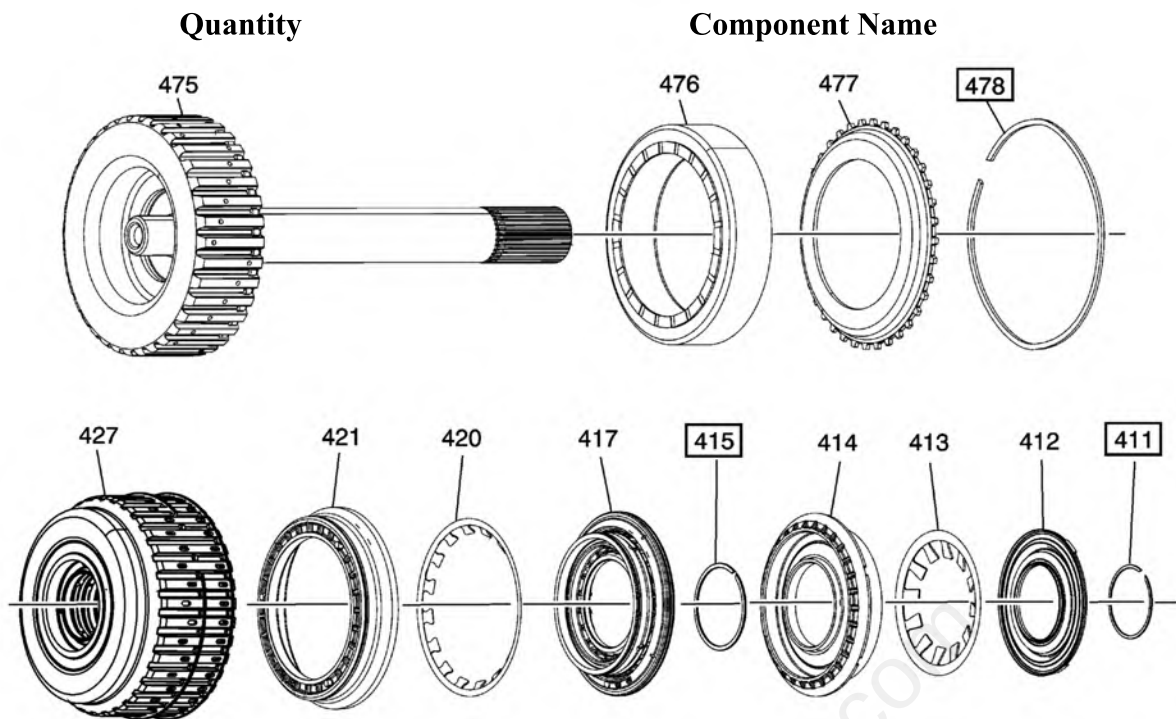


Fig. 11: Retaining Ring Package

Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

Retaining Ring Package

Callout	Quantity	Component Name
411	1	1-2-3-4 Clutch Piston Dam Retaining Ring
415	1	1-2-3-4 Clutch Piston Housing Retaining Ring
478	1	4-5-6 Clutch Dampener Retaining Ring

1-2-3-4& 3-5 Reverse Clutch Fluid Seal Ring Kit

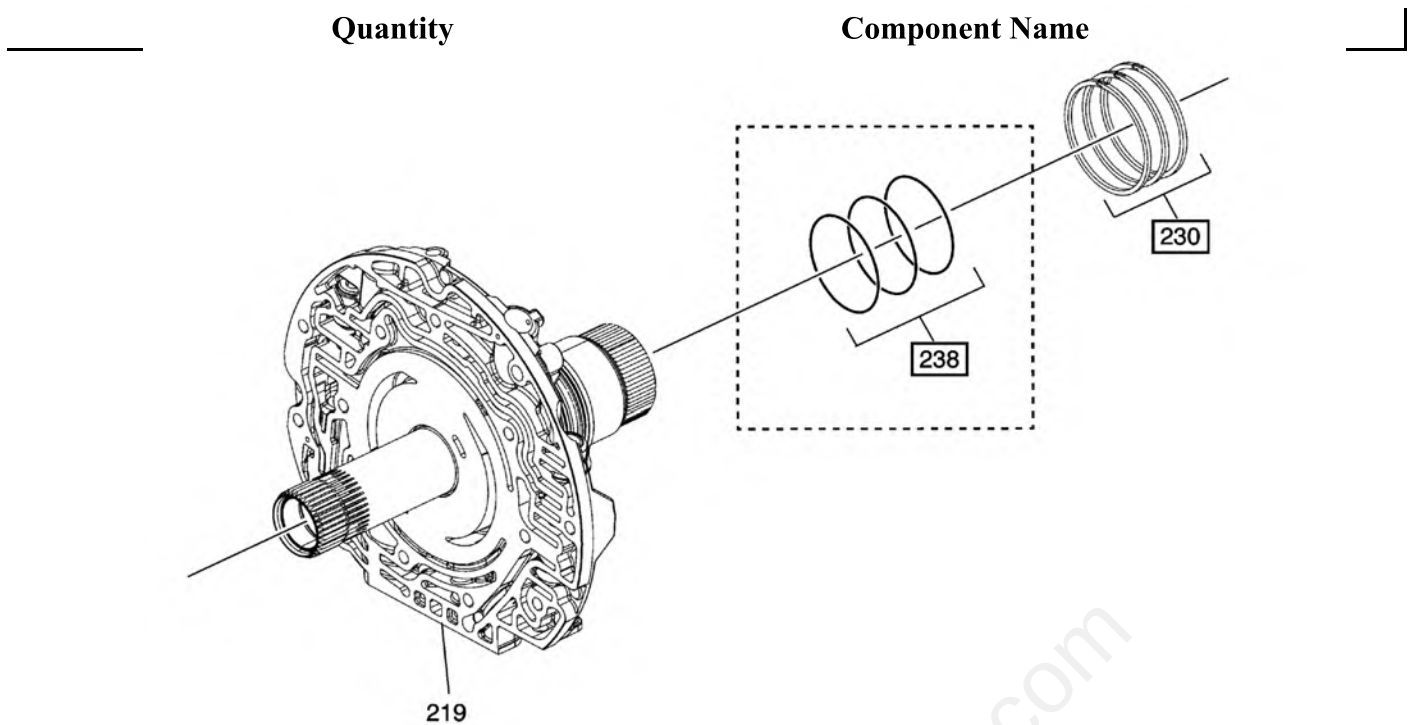


Fig. 12: 1-2-3-4 And 3-5 Reverse Clutch Fluid Seal Ring Kit
 Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

1-2-3-4& 3-5 Reverse Clutch Fluid Seal Ring Kit

Callout	Quantity	Component Name
230	3	1-2-3-4 and 3-5 Reverse Clutch Fluid Seal Ring
238	3	1-2-3-4 and 3-5 Reverse Clutch Fluid Seal Ring

1-2-3-4& 3-5 Reverse Clutch Kit

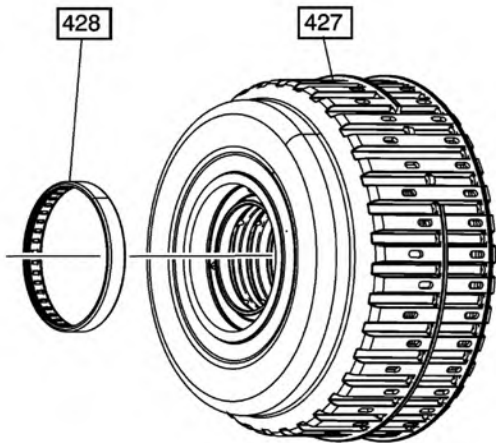


Fig. 13: 1-2-3-4 And 3-5 Reverse Clutch Kit
 Courtesy of GENERAL MOTORS COMPANY

Reverse Clutch Kit		Component Name
Callout	Quantity	Component Name
427	1	1-2-3-4 and 3-5 Reverse Clutch Housing Assembly
428	1	1-2-3-4 and 3-5 Reverse Clutch Bearing Assembly

Manual Shift Shaft Hole Plug

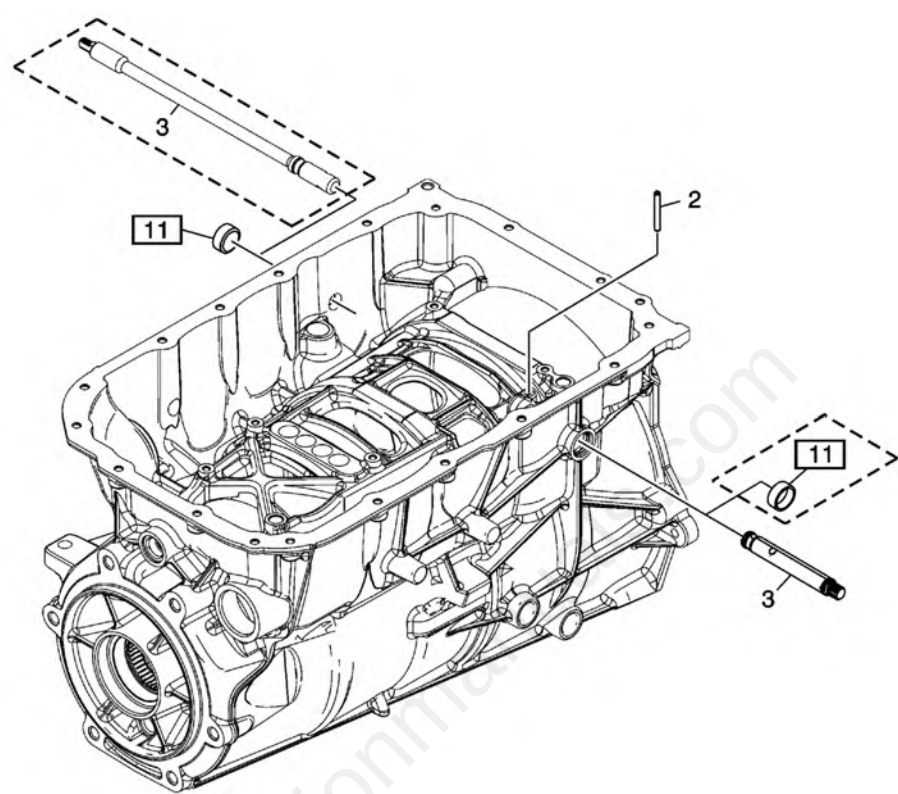


Fig. 14: Manual Shift Shaft Hole Plug
Courtesy of GENERAL MOTORS COMPANY

NOTE: Callouts with boxes around them indicate part is included in the service kit. Callouts without boxes are shown for relationship purposes only.

Manual Shift Shaft Hole Plug

Callout	Quantity	Component Name
11	1	Manual Shift Shaft Hole Plug