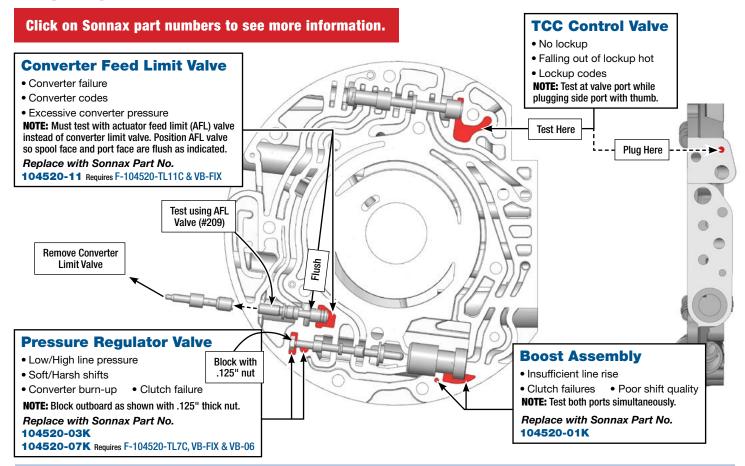


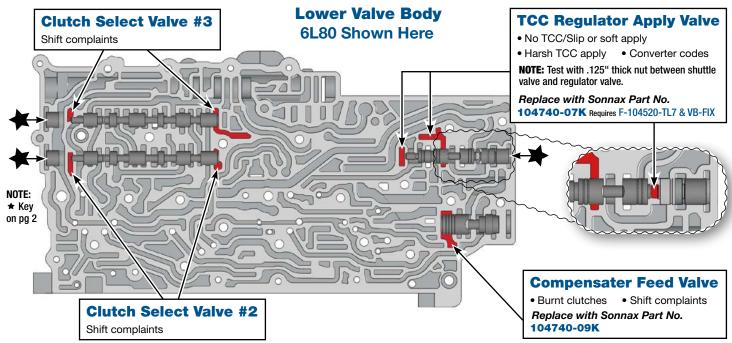
Critical Wear Areas & Vacuum Test Locations

20 15 10 5 -

NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts noted for replacement.

Pump Body • 6L80 Shown Here





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6L45-6L90-Vac-Locations 01-30-14



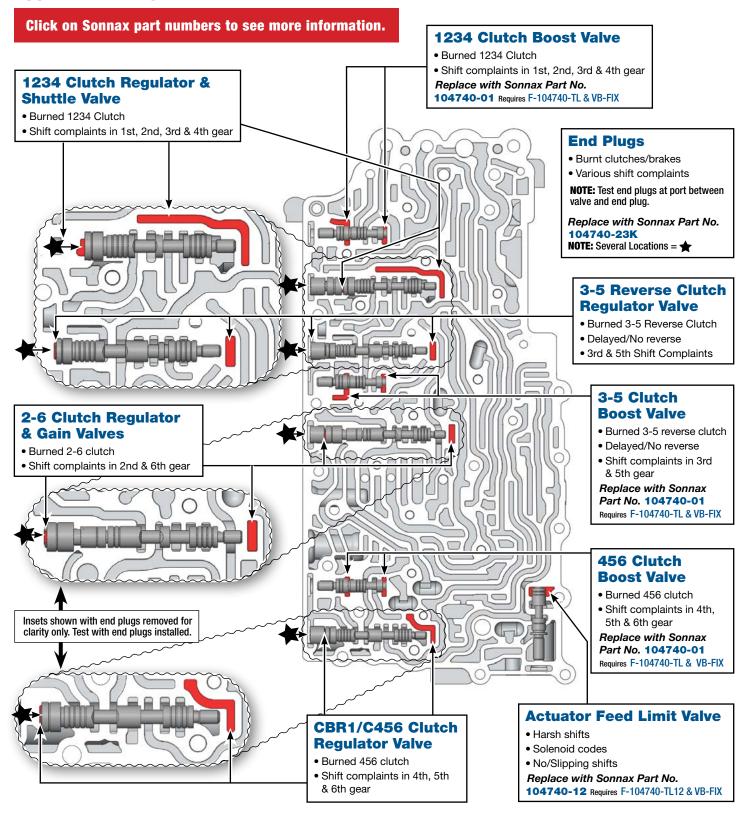


Critical Wear Areas & Vacuum Test Locations



NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts noted for replacement.

Upper Valve Body • 6L80 Shown Here



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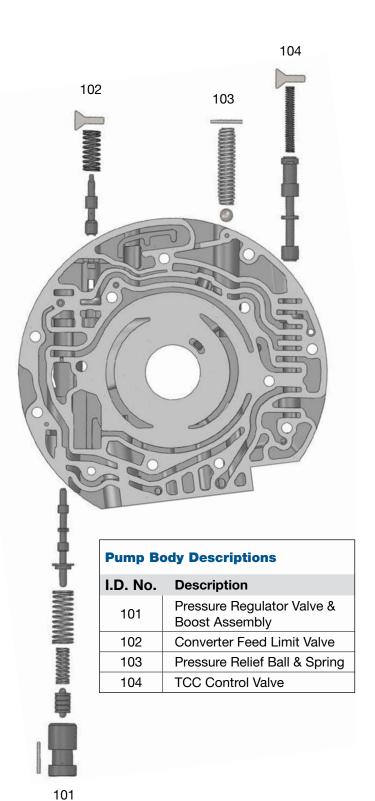


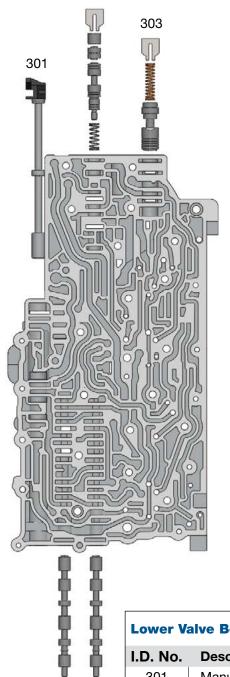


OE Exploded View

NOTE: Depending upon vehicle application, the OE springs shown may not be present.

Pump & Lower Valve Body • 6L80 Shown Here





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Lower Valve Body Descriptions						
I.D. No.	Description					
301	Manual Valve					
302	TCC Regulator Apply Valve					
303	Compensator Feed Valve					
304	Clutch Select Valve #3					
305	Clutch Select Valve #2					

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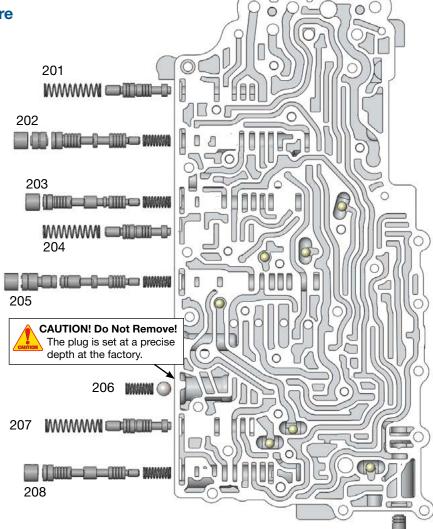


OE Exploded View

NOTE: Depending upon vehicle application, the OE springs shown may not be present.

Upper Valve Body • 6L80 Shown Here

Upper Valve Body Descriptions								
I.D. No.	Description							
201	1234 Clutch Boost Valve							
202	1234 Clutch Regulator & Shuttle Valve							
203 3-5 Reverse Clutch Regulator Valve								
204	3-5 Reverse Clutch Boost Valve							
205	2-6 Clutch Regulator & Gain Valves							
206	Exhaust Backfill Pressure Relief Valve							
207	456 Clutch Boost Valve							
208	CBR1/C456 Clutch Regulator Valve							
209	Actuator Feed Limit Valve							



GM 6L45-6L90 Clutch & Solenoid Application Chart

Gear Range	Shift Sol 1	Shift Sol 2	1-2-3-4 CL PC Sol 5 N.L.	2-6 CL PC Sol 4 N.L.	3-5 Rev. CL PC Sol 2 N.H.	Low Rev. 4-5-6 CL PC Sol 3 N.H.	1-2-3-4 Clutch	3-5 Rev. Clutch	4-5-6 Clutch	2-6 Clutch	Low & Rev. Clutch	Low Clutch Sprag
Park	ON	ON	0FF	0FF	0FF	ON					Applied*	
Reverse	ON	0FF	0FF	0FF	ON	ON		Applied			Applied	
Neutral	ON	ON	0FF	0FF	0FF	ON					Applied*	
D-1st Braking	ON	ON	ON	0FF	0FF	ON	Applied				Applied	Holding
D-1st	0FF	ON	ON	0FF	0FF	0FF	Applied					Holding
D-2nd	0FF	ON	ON	ON	0FF	0FF	Applied			Applied		
D-3rd	0FF	ON	ON	0FF	ON	0FF	Applied	Applied				
D-4th	0FF	ON	ON	0FF	0FF	ON	Applied		Applied			
D-5th	0FF	ON	0FF	0FF	ON	ON		Applied	Applied			
D-6th	0FF	ON	0FF	ON	0FF	ON			Applied	Applied		

Notes:

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

For pressure control (PC) solenoids, "ON" = Pressurized, "OFF" = No Pressure.

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^{* =} Applied with No Load.