

Critical Wear Areas & Vacuum Test Locations

ZIP Drop-In Zip Valve™ Parts Available

ZF6-053-ZIP Zip Kit® Available

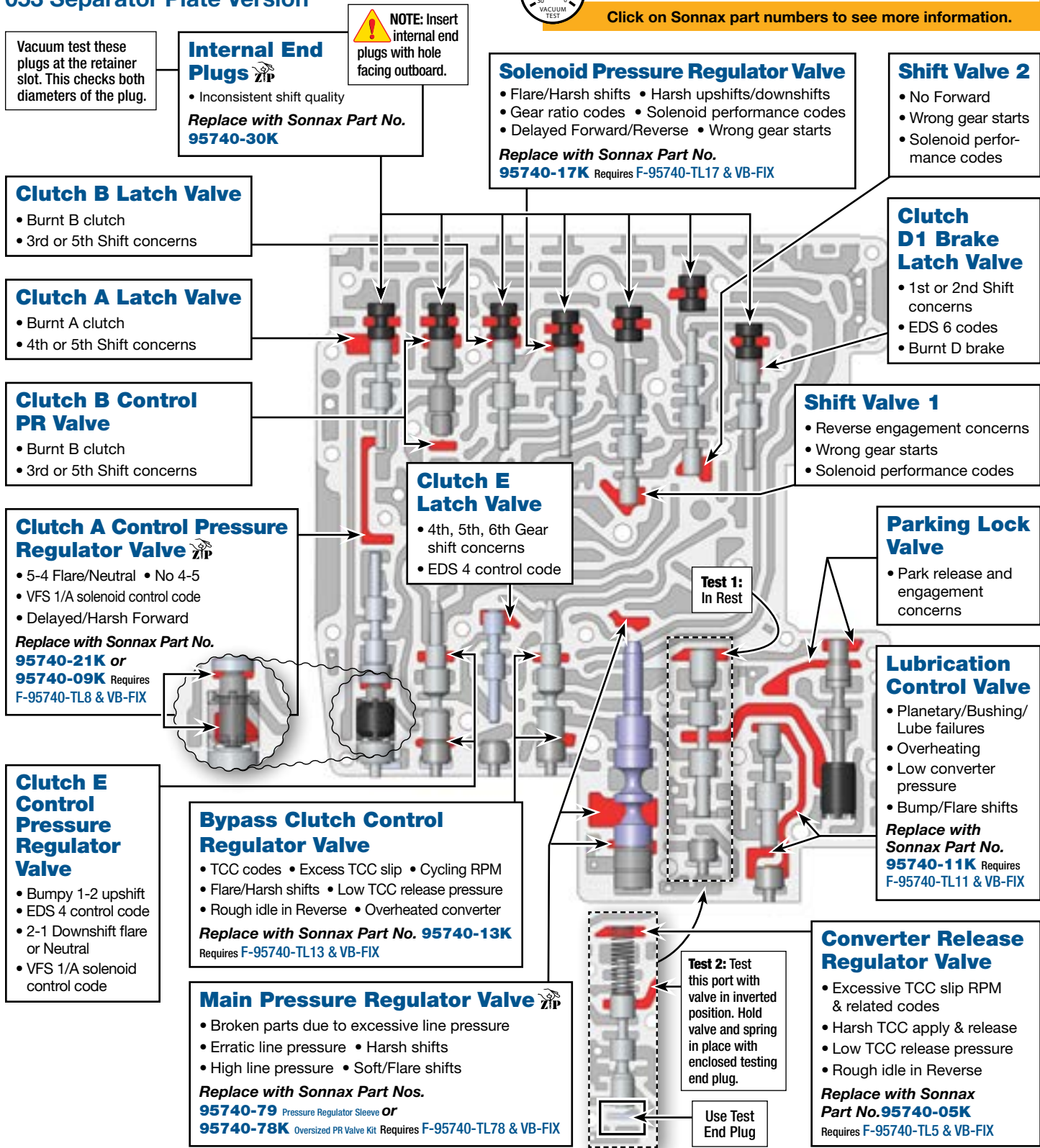
NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts are noted for replacement.

Lower Valve Body 053 Separator Plate Version



For specific vacuum test information, refer to individual part instructions included in kits and available at www.sonnax.com.

Click on Sonnax part numbers to see more information.



NOTE: Insert internal end plugs with hole facing outboard.

Vacuum test these plugs at the retainer slot. This checks both diameters of the plug.

Internal End Plugs
 • Inconsistent shift quality
Replace with Sonnax Part No. 95740-30K

Solenoid Pressure Regulator Valve
 • Flare/Harsh shifts • Harsh upshifts/downshifts
 • Gear ratio codes • Solenoid performance codes
 • Delayed Forward/Reverse • Wrong gear starts
Replace with Sonnax Part No. 95740-17K Requires F-95740-TL17 & VB-FIX

Shift Valve 2
 • No Forward
 • Wrong gear starts
 • Solenoid performance codes

Clutch B Latch Valve
 • Burnt B clutch
 • 3rd or 5th Shift concerns

Clutch A Latch Valve
 • Burnt A clutch
 • 4th or 5th Shift concerns

Clutch D1 Brake Latch Valve
 • 1st or 2nd Shift concerns
 • EDS 6 codes
 • Burnt D brake

Clutch B Control PR Valve
 • Burnt B clutch
 • 3rd or 5th Shift concerns

Shift Valve 1
 • Reverse engagement concerns
 • Wrong gear starts
 • Solenoid performance codes

Clutch A Control Pressure Regulator Valve
 • 5-4 Flare/Neutral • No 4-5
 • VFS 1/A solenoid control code
 • Delayed/Harsh Forward
Replace with Sonnax Part No. 95740-21K or 95740-09K Requires F-95740-TL8 & VB-FIX

Clutch E Latch Valve
 • 4th, 5th, 6th Gear shift concerns
 • EDS 4 control code

Parking Lock Valve
 • Park release and engagement concerns

Clutch E Control Pressure Regulator Valve
 • Bumpy 1-2 upshift
 • EDS 4 control code
 • 2-1 Downshift flare or Neutral
 • VFS 1/A solenoid control code

Bypass Clutch Control Regulator Valve
 • TCC codes • Excess TCC slip • Cycling RPM
 • Flare/Harsh shifts • Low TCC release pressure
 • Rough idle in Reverse • Overheated converter
Replace with Sonnax Part No. 95740-13K
 Requires F-95740-TL13 & VB-FIX

Lubrication Control Valve
 • Planetary/Bushing/Lube failures
 • Overheating
 • Low converter pressure
 • Bump/Flare shifts
Replace with Sonnax Part No. 95740-11K Requires F-95740-TL11 & VB-FIX

Main Pressure Regulator Valve
 • Broken parts due to excessive line pressure
 • Erratic line pressure • Harsh shifts
 • High line pressure • Soft/Flare shifts
Replace with Sonnax Part Nos. 95740-79 Pressure Regulator Sleeve **Or** **95740-78K** Oversized PR Valve Kit Requires F-95740-TL78 & VB-FIX

Test 2: Test this port with valve in inverted position. Hold valve and spring in place with enclosed testing end plug.

Converter Release Regulator Valve
 • Excessive TCC slip RPM & related codes
 • Harsh TCC apply & release
 • Low TCC release pressure
 • Rough idle in Reverse
Replace with Sonnax Part No. 95740-05K
 Requires F-95740-TL5 & VB-FIX

Use Test End Plug

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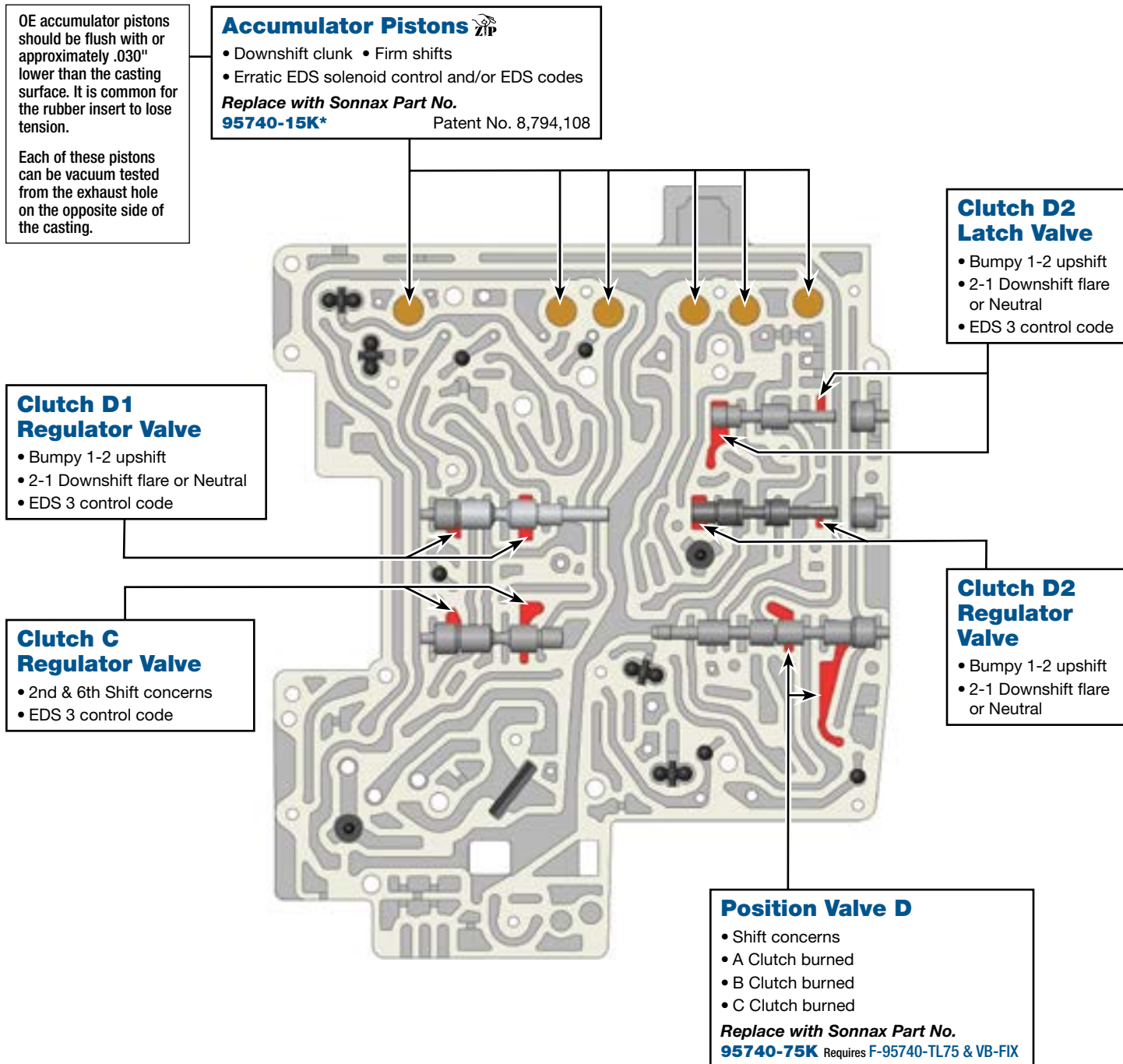
NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts are noted for replacement.

Upper Valve Body 053 Separator Plate Version



For specific vacuum test information, refer to individual part instructions included in kits and available at www.sonnax.com.

Click on Sonnax part numbers to see more information.



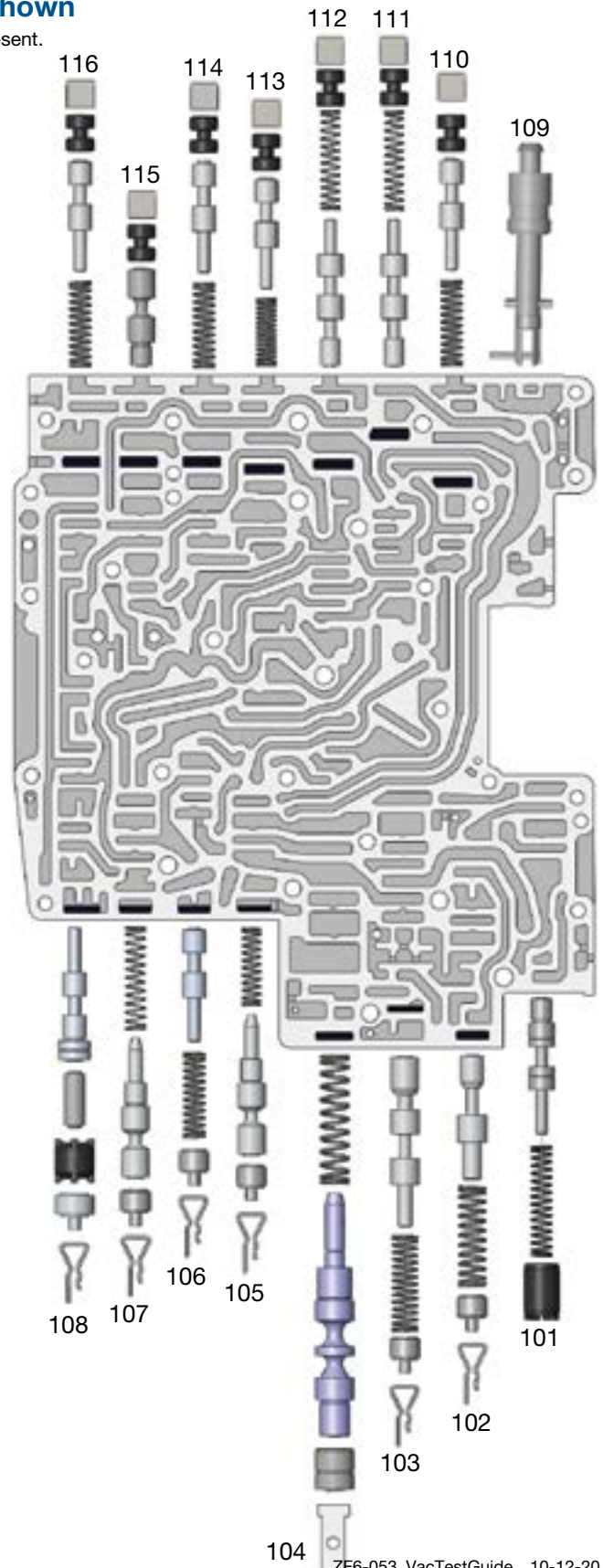
Part numbers with an asterisk () are included in this Zip Kit. Other part numbers are available separately.

OE Exploded View

Lower Valve Body • 053 Separator Plate Version Shown

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

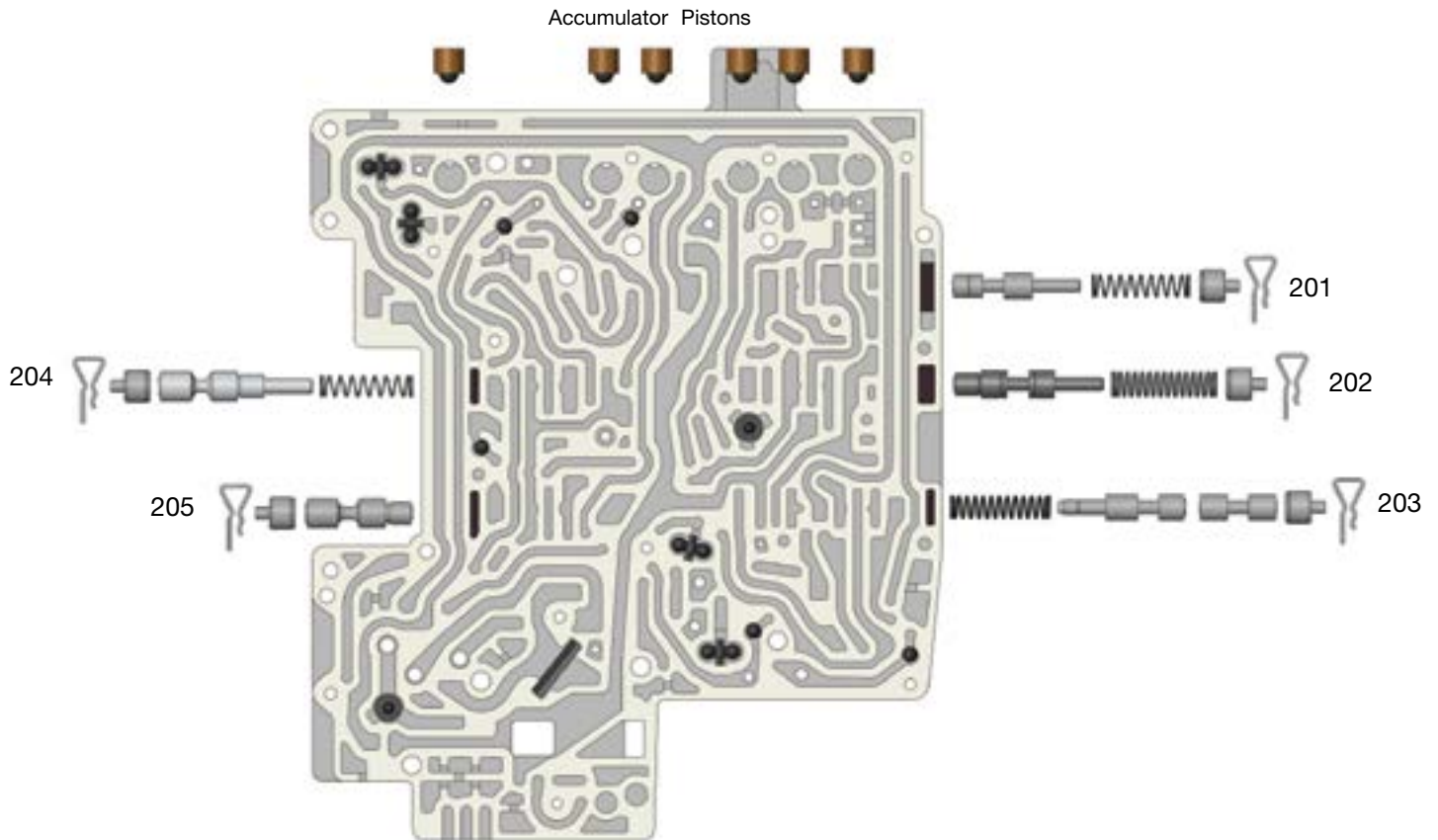
Lower Valve Body Descriptions	
I.D No.	Description
101	Parking Lock Valve
102	Lubrication Control Valve
103	Converter Release Regulator Valve
104	Main Pressure Regulator Valve
105	Bypass Clutch Control Regulator Valve
106	Clutch E Latch Valve
107	Clutch E Control Pressure Regulator Valve
108	Clutch A Control Pressure Regulator Valve
109	Park Lock Cylinder
110	Clutch D1 Brake Latch Valve
111	Shift Valve 2
112	Shift Valve 1
113	Solenoid Pressure Regulator Valve
114	Clutch B Latch Valve
115	Clutch B Control Pressure Regulator Valve
116	Clutch A Latch Valve



OE Exploded View

Upper Valve Body • 053 Separator Plate Version Shown

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



Upper Valve Body Descriptions

I.D. No.	Description
201	Clutch D2 Latch Valve
202	Clutch D2 Regulator Valve
203	Position Valve D
204	Clutch D1 Regulator Valve
205	Clutch C Regulator Valve