



# 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. For specific vacuum test information, refer to individual part instructions included in kits and available at [www.sonnax.com](http://www.sonnax.com).

## Lower Valve Body • 053 Separator Plate Version Shown

### Clutch B Latch Valve

- Burnt B clutch
- 3rd or 5th Shift complaints

### Clutch B Control PR Valve

- Burnt B clutch
- 3rd or 5th Shift complaints

### Clutch A Latch Valve

- Burnt A clutch
- 4th or 5th Shift complaints

### Clutch A Control Pressure Regulator Valve

- Delayed/Harsh forward engagement
- Flare/Neutral on 5-4 downshift
- No 4-5 shift
- VFS 1/A Solenoid control code

Replace with **Sonnax Part No. 95740-09K** Oversized Clutch A Control Valve Kit  
**95740-21K** Clutch A Control Boost Valve Kit  
 95740-09K Requires F-95740-TL8 & VB-FIX

### Solenoid Pressure Regulator Valve

- Soft shifts, poor line rise • Gear ratio codes
- Delayed forward/reverse engagement
- High line pressure during stall test
- 5-4 or 4-3 Flare • Loss of 1-2 or 4-5 upshifts

Replace with **Sonnax Part No. 95740-17K** Requires F-95740-TL17 & VB-FIX

### Shift Valve 1

- Reverse engagement complaints
- Wrong gear starts
- Solenoid performance codes

### Shift Valve 2

- No forward
- Wrong gear starts
- Solenoid performance codes

### Clutch D1 Brake Latch Valve

- 1st or 2nd Shift complaints
- EDS 6 codes
- Burnt D brake

### Clutch E Latch Valve

- 4th, 5th, 6th Gear shift complaints
- EDS 4 Codes

### 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

- Converter overheat & low release pressure
- Excessive TCC slip/cycling RPM
- Firm up/downshifts
- TCC related codes

Replace with **Sonnax Part No. 95740-13K**  
 Requires F-95740-TL13 & VB-FIX

### Main Pressure Regulator Valve

- Delayed/No reverse
- Poor shift quality
- Slip forward/reverse
- Erratic or high/low line pressure

Replace with **Sonnax Part Nos. 95740-78K** Oversized PR Valve Kits  
**95740-79** Pressure Regulator Sleeves  
 95740-78K Requires F-95740-TL78 & VB-FIX

Test 1: In Rest

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

Use Test End Plug

### Lubrication Control Valve

- Excessive cooler pressure (ruptured hoses or cooler)
- Bushing and/or planet overheat

Replace with **Sonnax Part No. 95740-11K** Requires F-95740-TL11 & VB-FIX

### Converter Release Regulator Valve

- Excessive TCC slip RPM & related codes
- Harsh lockup apply & release
- Harsh downshifts
- Converter overheat

Replace with **Sonnax Part No. 95740-05K**  
 Requires F-95740-TL5 & VB-FIX

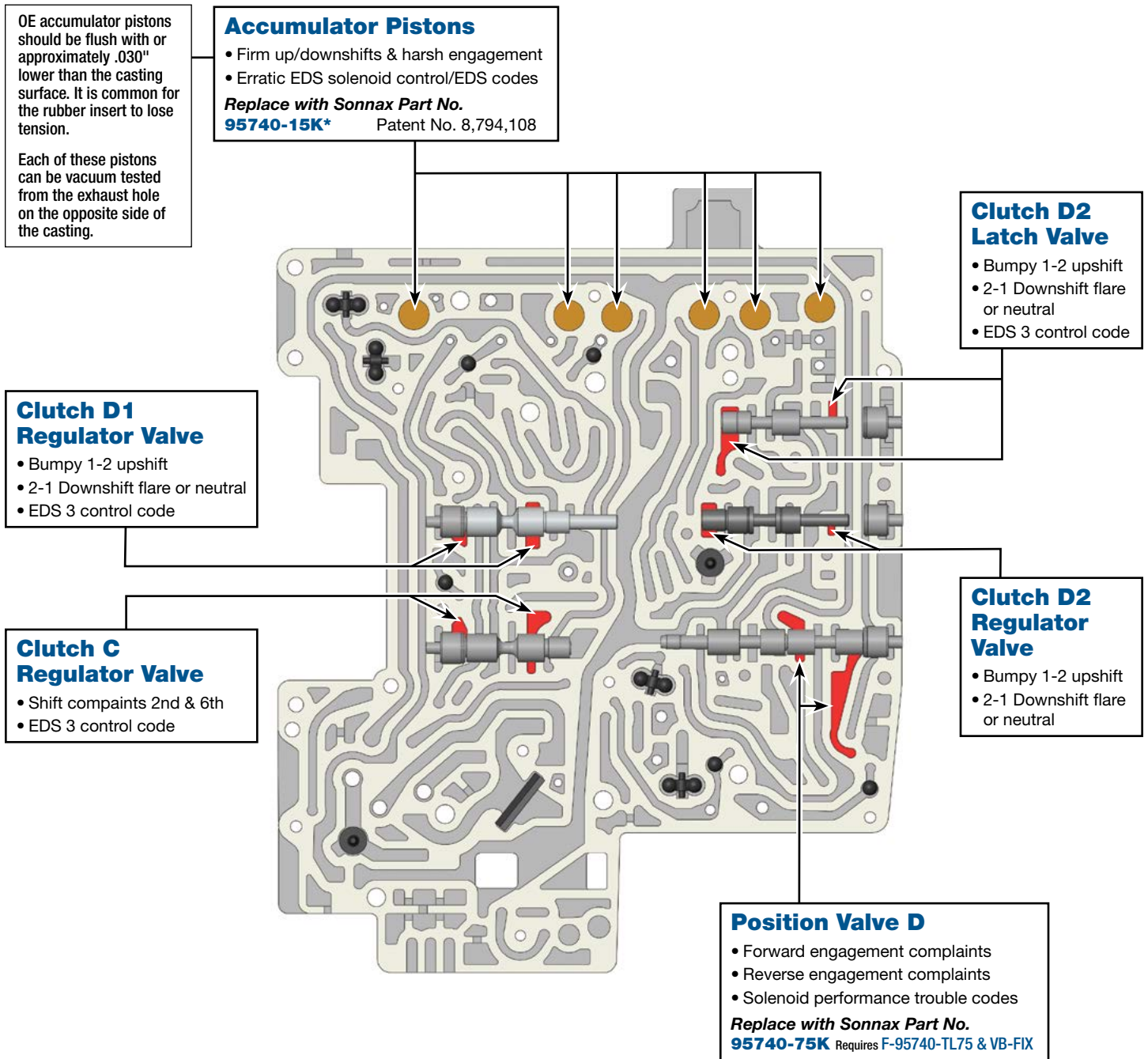


# Critical Wear Areas & Vacuum Test Locations



**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. For specific vacuum test information, refer to individual part instructions included in kits and available at [www.sonnax.com](http://www.sonnax.com).

## Upper Valve Body • 053 Separator Plate Version Shown



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

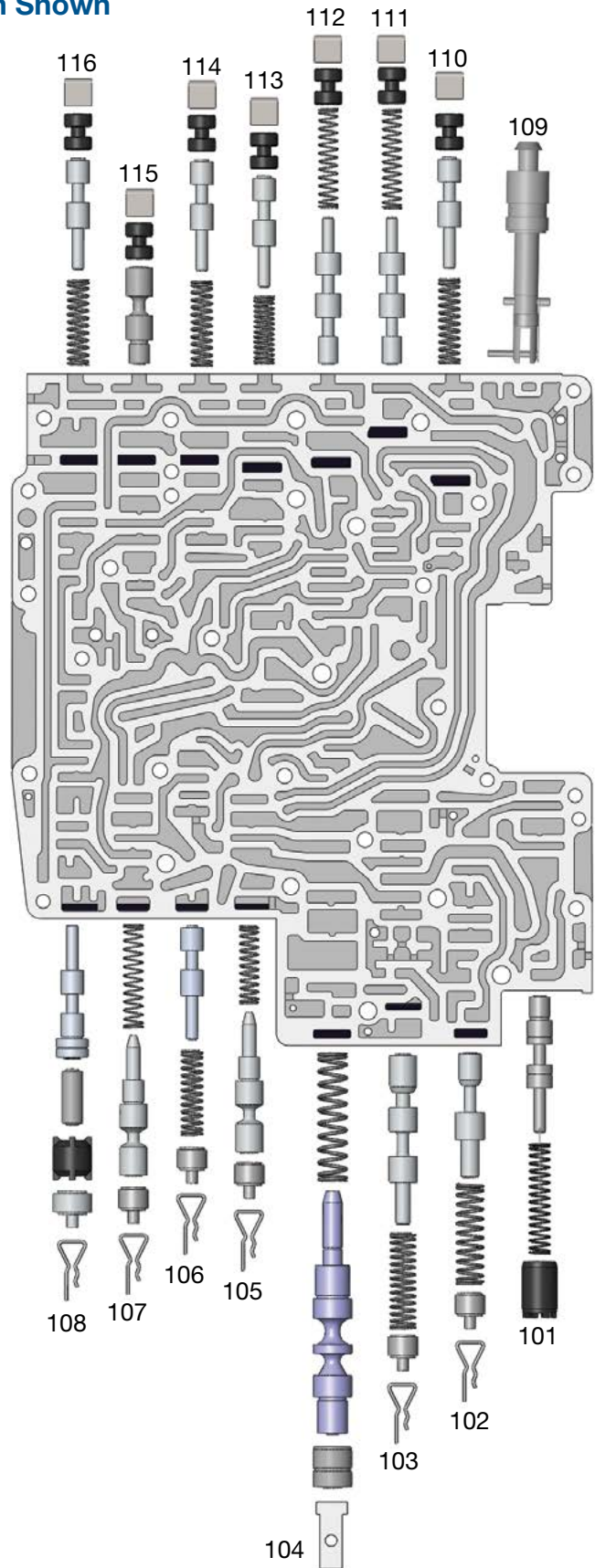


# OE Exploded View

## 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

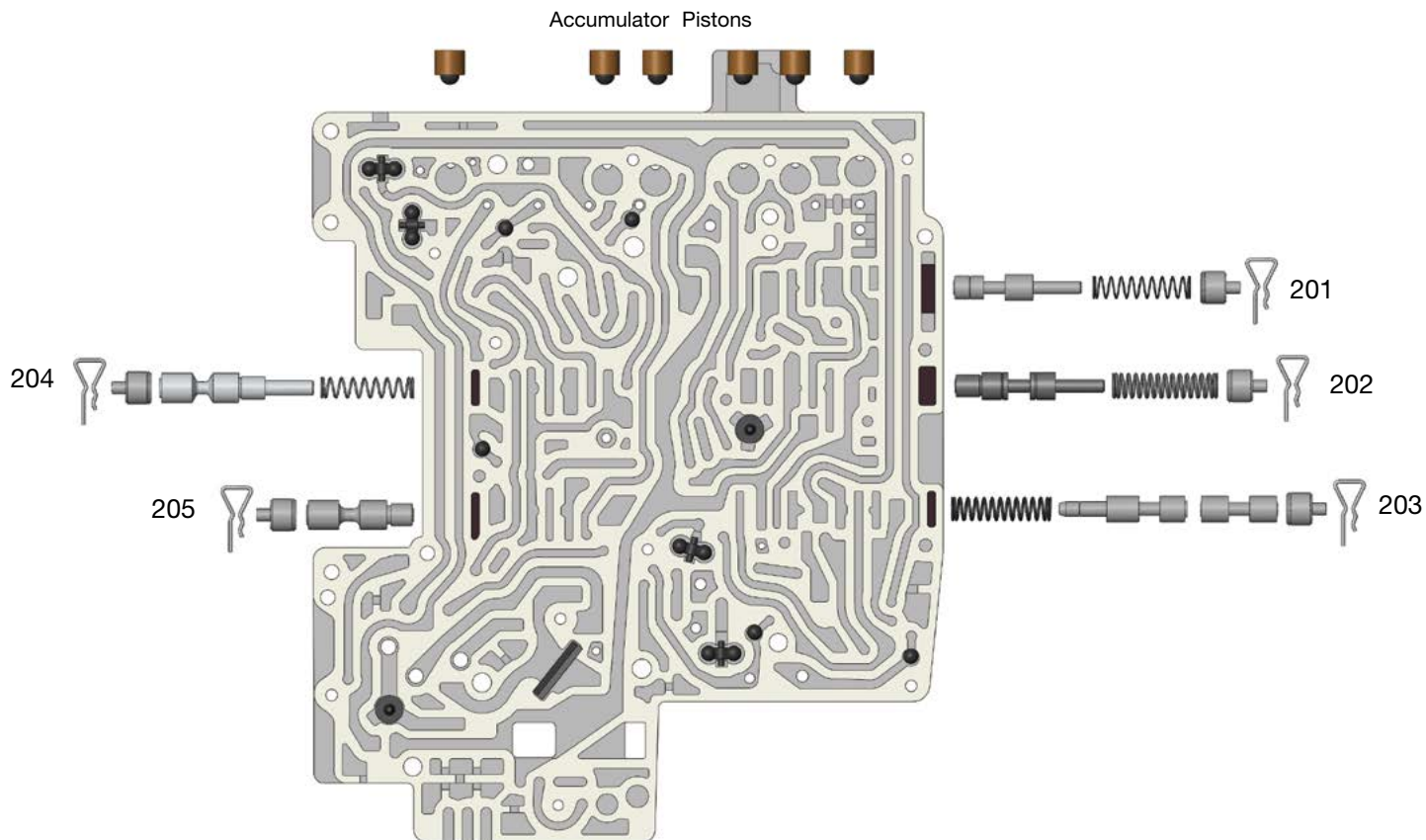




# OE Exploded View

## 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