

Critical Wear Areas & Vacuum Test Locations Zip



Drop-In Zip Valve™ **Parts 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.

Valve Body



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.

1-2 Shift Valve

- 1-2 Quality poor Flare shifts
- Soft shifts & poor line rise

Replace with Sonnax Part No. 84754-57K Requires F-84754-TL57

Torque Signal Regulator Valve

- Erratic line pressure
- Low line pressure
- Code 1811
- Code P0741, P0742
- Shudder condition Slipping gears

Replace with Sonnax Part No.

84754-44 '97-Later Only

Requires 84754-TL44

TCC Apply Valve

- No lockup
- Code P0741
- Falls out of lockup when hot
- Converter shudder High TCC slip RPM

Replace with Sonnax Part No. 84754-43K

Boost Valve Assembly

- Erratic line pressure
- Soft upshifts (especially 1-2)
- Low line rise in Forward
- Low line rise in Reverse

Replace with Sonnax Part No. 84754-30K

Pressure Regulator Valve

- Erratic line pressure Overheating
- Burnt clutches Poor shift quality
- TCC apply & release concerns
- Low convert & lube flow

Replace with Sonnax Part No. 84754-46K Requires 84754-TL46

Forward Servo Boost Valve ('99-Earlier)

- 1-2 Flare 1-2 Band burned
- Delayed engagement
- Low Reverse pressure

Replace with Sonnax Part No. 84754-40K Requires 84754-TL2

Boost Valve ('99-Earlier)

- Delayed engagement
- Low Reverse pressure

- 2-3 Shuttle
- No 3rd, 4th
- 2nd Gear starts

84754-39K

4-3 Manual Downshift Valve

Plug casting valley with foam, putty or appropriately sized 0-ring coated in assembly lube to isolate circuits.

TCC Regulator Apply Valve

- TCC slip
- Code P0741
- Cycling TCC RPM

Replace with Sonnax Part No. 84754-34K

Requires 84754-TL3

3-4 Accumulator Valve

- 3-4 Concerns
- Soft shifts
- Poor line rise

Replace with Sonnax Part Nos. 84754-55K GM Only or 84754-58K Volvo Only

Both Parts Require F-84754-TL55 & VB-FIX

2-3 Accumulator Valve Assembly 🛣

- 2-3 Shift concerns
- Burnt clutches

Replace with Sonnax Part No. 84754-53K

1-2 Accumulator **Valve**

- 1-2 Quality poor
- Flare shifts
- Soft shifts & poor line rise

Replace with Sonnax Part No. 84754-57K

Bequires F-84754-TI 57

Reverse Servo

• 1-2 Flare • 1-2 Band burned

Replace with Sonnax Part No. **84754-40K** Requires 84754-TL2

3-4 Shift Valve & 4-3 Manual Downshift Valve 🛣

- Erratic shifts

Replace with Sonnax Part No.

Plug orifices on back when checking these

locations.

Test these

together.

2-3 Shift Valve & 3-2 **Manual Downshift Valve**

- Erratic shifts 2-3 Shuttle No 3rd, 4th
- Temperature-sensitive shifts 2nd Gear starts

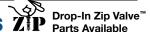
Replace with Sonnax Part Nos.

These parts do not fit Geartronic® or Tapshift® units. 84754-36K 2-3 Shift Valve

84754-37K 3-2 Manual Downshift Valve



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Channel Plate Casting

Only a portion of the channel plate casting shown here.



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

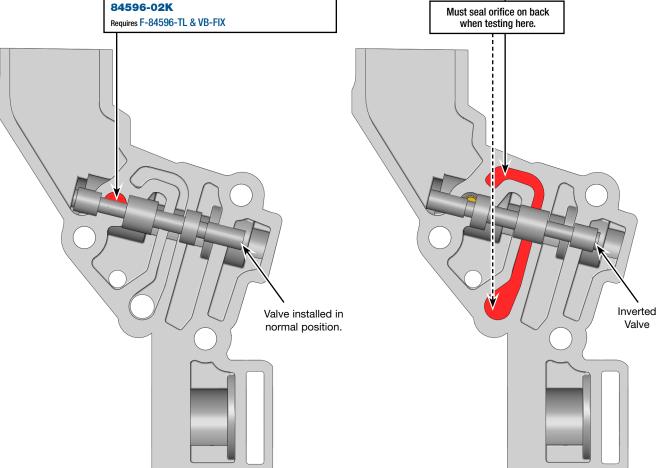
Click on Sonnax part numbers to see more information.

Actuator Feed Limit Valve

- Erratic line pressure
- Maximum adapt
- Code 1811
- 2nd Gear starts
- Poor EPC control
- Long Shifts
- TCC piston failure

Replace with Sonnax Part No.

Plug casting valley with foam, putty or appropriately sized 0-ring coated in assembly lube to isolate circuits.





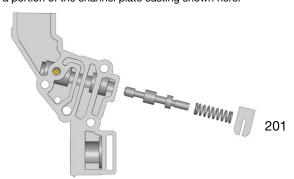
OE Exploded View

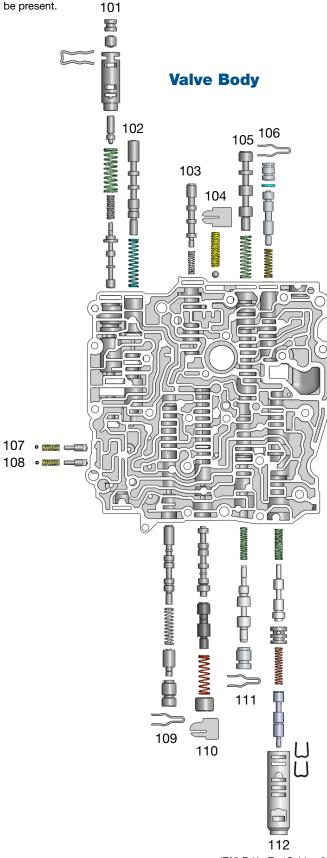
NOTE: Depending upon vehicle application, the OE springs shown may not be present. Solenoids not shown.

Valve Body Descriptions	
I.D. No.	Description
101	Pressure Regulator Valve (inboard) Boost Valve Assembly (outboard)
102	1-2 Shift Valve
103	Torque Signal Regulator Valve
104	Line Pressure Relief Valve
105	TCC Apply Valve
106	TCC Regulator Apply Valve
107	Forward Servo Boost Valve ('99-Earlier)
108	Reverse Servo Boost Valve ('99-Earlier)
109	3-4 Shift Valve (inboard) 4-3 Manual Downshift Valve (outboard)
110	2-3 Shift Valve (inboard) 3-2 Manual Downshift Valve (outboard)
111	1-2 Accumulator Valve
112	3-4 Accumulator Valve (inboard) 2-3 Accumulator Valve Assembly (outboard)
201	Actuator Feed Limit Valve

Channel Plate Casting

Only a portion of the channel plate casting shown here.





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