

Critical Wear Areas & Vacuum Test Locations

ZIP Drop-In Zip Valve™
Parts Available

ZIP KIT AODE-4R75E-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.



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.

4R75E Valve Body

Boost Valve

- Low Reverse boost • Reverse slip
- No Reverse • Delayed Reverse
- Low line rise in Reverse
- Burnt Reverse clutch

Replace with Sonnax Part No. **76948-02K***

NOTE: Fits all '91-later applications.

Main Pressure Regulator Valve

- Poor shift quality • Soft shifts • Low line rise
- Erratic buzz • Premature clutch/band failure

Replace with Sonnax Part No.

76948-01 or **76948-16K** (1991-1995)

76948-16K Requires F-76948-TL & VB-FIX

76948-09 or **76948-17K** (1996-Later)

76948-17K Requires F-76948-TL & VB-FIX

Bypass Clutch Control Valve

- Code 628, 741, 1741, 1744
- No lockup • TCC slip
- Low cooler flow

Replace with Sonnax Part No.

76948-31 Requires 76948-TL6 or F-76948-FL6

Bypass Clutch Control Plunger Valve & Sleeve

- Shudder • Code 628 • No lockup
- TCC apply & release concerns
- Delayed lockup

Replace with Sonnax Part No.

76948-04K*

Converter Pressure Limit Valve

- Low converter pressure
- Lube failures

Replace with Sonnax Part No.

76948-58K

Requires F-76948-TL47 & VB-FIX

2-3 Shift Valve

- Erratic shift timing
- Oil leaks

Center this valve land in the passage as indicated.

Manual Valve

- Delayed engagement
- Low line pressure
- Burnt bands/clutches

Replace with Sonnax Part No.

76948-46 Requires F-76948-TL46

Solenoid Regulator Valve

- Erratic shifts • 2-3 Neutral • Neutral after 4th
- 3rd & Reverse only • No 2nd
- Loss Forward under hard acceleration from a stop

Replace with Sonnax Part Nos.

76948-14K or **76948-47K** Recommends F-76948-TL & VB-FIX

Test Together

2-3 Backout Valve

- No 2-3 • 2-3 Quality poor
- Gear ratio codes

2-3 Capacity Modulator Valve

- 2-3 Flare • No 3rd & 4th

NOTE: Not used in '01-Later

Overdrive Servo Regulator Valve

- No 4th
- Burnt OD band
- 4-3 Neutral

Overdrive Servo Regulator Valve & Sleeve

- 4-3 Neutral • No 4th
- Burnt OD band

Replace with Sonnax Part No.

76948-29K*

NOTE: '01-Later

1-2 Shift Valve

- No 2nd
- Wrong gear starts
- Gear ratio codes

3-4 Capacity Modulator Valve

- 3-4 Flare
- Slips in manual Low

3-4 Shift Valve End Plug

- Burnt bands
- No Reverse • No 4th

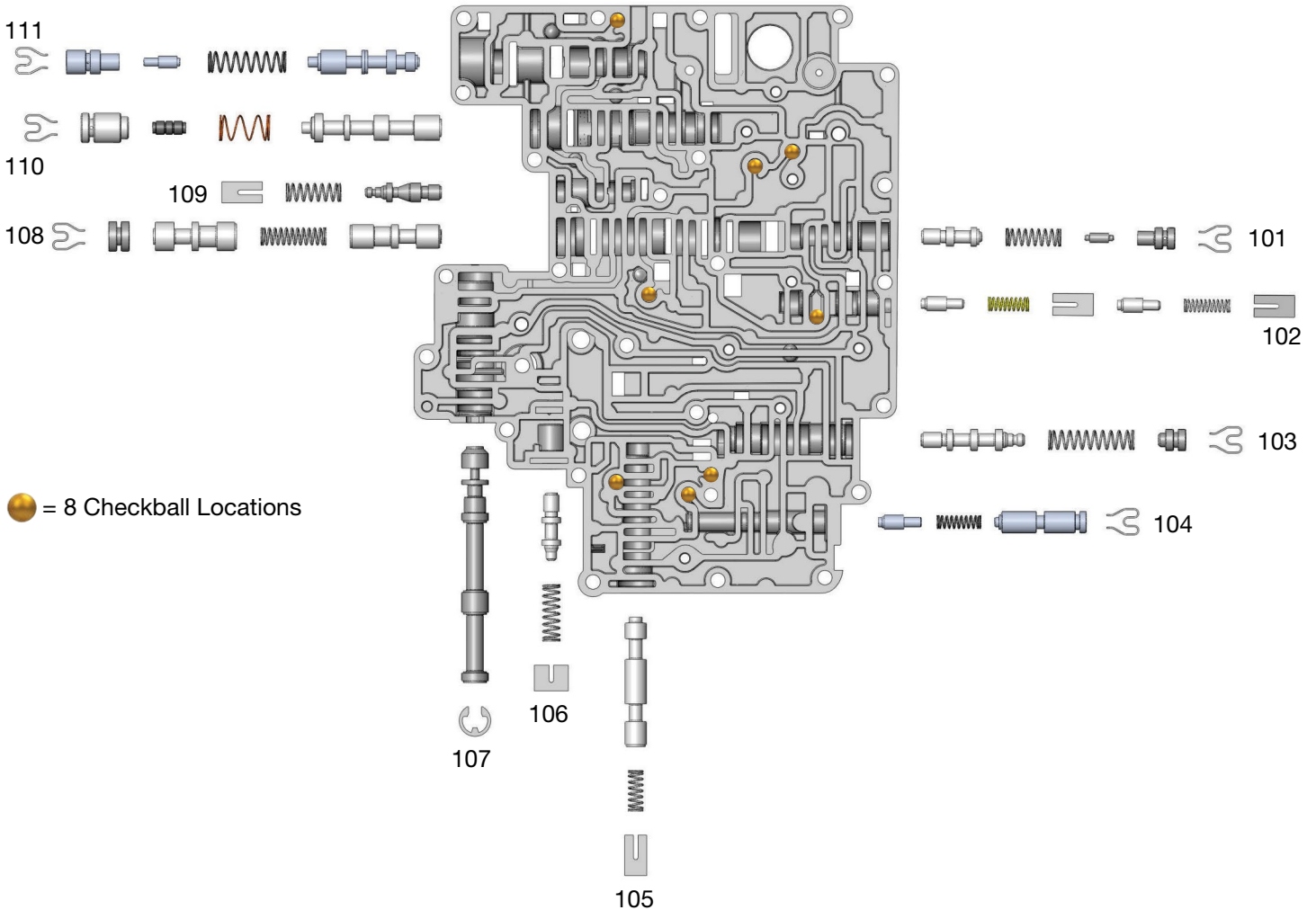
Replace with Sonnax Part No. **76948-49K**

3-4 Shift Valve

- No 4th
- Gear ratio codes

OE Exploded View

4R75E Valve Body



Valve Body Descriptions

I.D. No.	Description
101	Overdrive Servo Regulator Valve (Inboard), Overdrive Servo Regulator Valve & Sleeve (Outboard) '01-Later
102	3-4 Capacity Modulator Valve (Inboard), Low Servo Capacity Modulator Valve (Outboard)
103	3-4 Shift Valve
104	2-3 Capacity Modulator Valve
105	2-3 Backout Valve
106	Solenoid Regulator Valve
107	Manual Valve
108	1-2 Shift Valve (Inboard), 2-3 Shift Valve (Outboard)
109	Converter Pressure Limit Valve
110	Bypass Clutch Control Valve (Inboard), Bypass Clutch Control Plunger Valve & Sleeve (Outboard)
111	Main Pressure Regulator Valve (Inboard), Boost Valve & Sleeve (Outboard)