Part Summary Data Sheet

E4OD, 4R100

PART NUMBERS 36947-14, F-36947-TL14, 36948-22, F-36948-TL22

COMPLAINT

2nd or 3rd gear starts, TCC slip or cycling RPM

SECONDARY COMPLAINTS

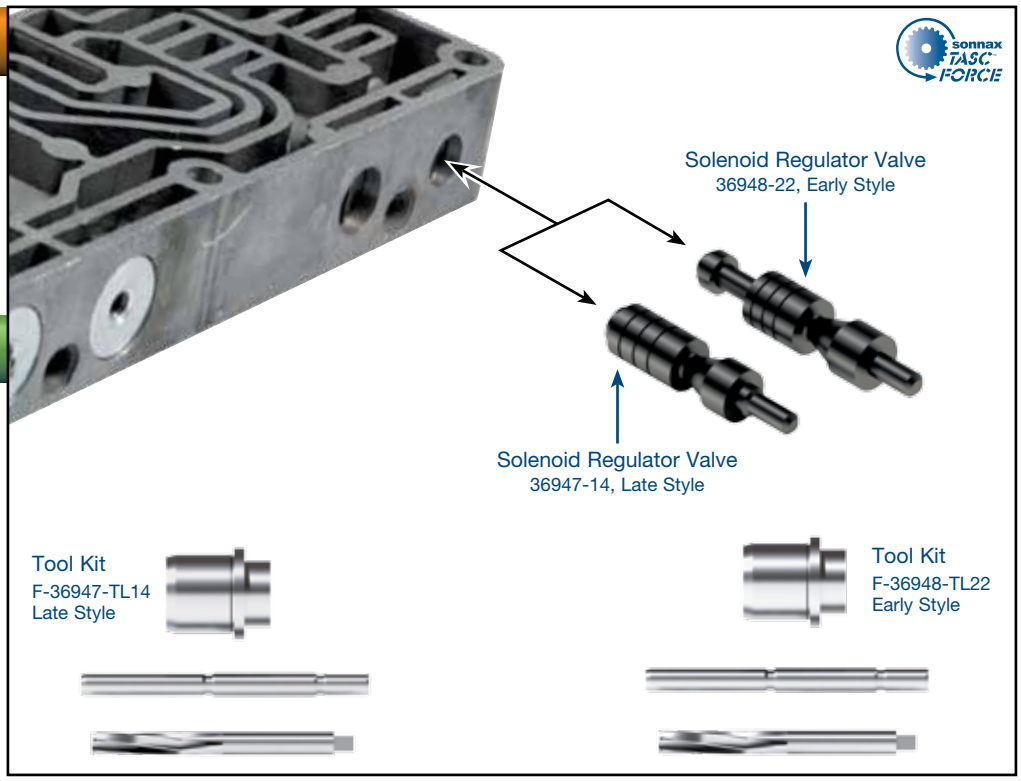
- Reduced lube oil from the center support

CAUSE

All solenoid regulator valve (SRV) solenoid feed oil and intermediate lube oil passes through the solenoid regulator valve. When the bore wears, critical solenoid feed oil and intermediate lube fluid leaks to exhaust causing shift related problems and loss of lube.

CORRECTION

These Sonnax oversized solenoid regulator valves restore SRV pressure.



Solenoid Regulator Valve

36947-14

TOOL REQUIRED

NOTE: Fits late-style, '96-later, two-spool valve version.

36948-22

TOOL REQUIRED

NOTE: Fits early-style, '95-earlier, three-spool valve version.

Tool Kit

F-36947-TL14

Late style

VALVE BODY FIXTURE REQUIRED

- Reamer
- Reamer Jig
- Guide Pin

F-36948-TL22

Early style

VALVE BODY FIXTURE REQUIRED

Reamer

- Reamer Jig
- Guide Pin

NOTE: Sonnax "F-Tool" kits designed to service a specific bore require the VB-FIX, a self-aligning valve body reaming fixture. More information and instructions can be found online at www.sonnax.com.

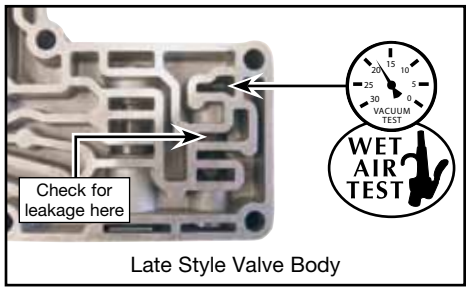
Sonnax offers **36947-14** and **36948-22**, solenoid regulator valves and their tool kits to salvage worn valve bodies and restore proper solenoid regulator valve (SRV) circuit function in both early- and late-style E4OD/4R100 units. Bore wear at the SRV reduces oil supplied to the shift, TCC and coast clutch solenoids. This regulated pressure also feeds the intermediate or center support area. The '96-later valve bodies incorporated a two-spool anodized aluminum valve that is prone to flaking of the anodize layer, causing premature wear of valve and bore. The '95-earlier have a three-spool steel valve that wears the bore, resulting in excess clearance when hot.

Features & Benefits

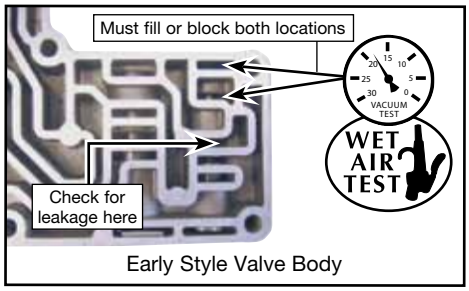
- Sonnax aluminum valve is hard-coat anodized to increase wear resistance
- Annular grooves center the valve hydraulically to prevent wear

You need this if...

A wet air test in the location indicated with the valve blocked inward results in leakage out the neighboring line port, or a vacuum test of the balance port gives less than 18" of vacuum.



Late Style Valve Body



Early Style Valve Body

36947-14 Rev:-, -TL14 Rev:-, 36948-22 Rev:-, -TL22 Rev:-, 36947-14-22 05-31-11
800-843-2600 • 802-463-9722 • F:802-463-4059 • www.sonnax.com