

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.

Valve & Pump Bodies

Primary Pulley Regulator Valve

- Chatter on acceleration
- Damaged valve body casting
- High/Low line pressure
- Pulley breakage
- Slips in Forward & Reverse

Replace with Sonnax Part No. 33741F-02K Requires F-33741F-TL2 & VB-FIX

Pump Flow Control Valve

- Push belt slippage
- Delayed engagement
- Low pump volume

Replace with Sonnax Part No. 33510N-02 or **33510N-01** Requires F-33510N-TL & VB-FIX

Block this port while testing.



Pump Body

Overdrive Reverse Select Switch Valve

- No high ratios
- No Reverse

TCC Switch Valve & Sleeve

- Jerking on coastdown
- High engine RPM
- Engine stall on engagement
- No lockup
- Harsh engagement

Replace with Sonnax Part No. 113741-11K

Manual Valve

- Delayed engagement
- Low pressure

Secondary Pulley/Pressure Regulator Valve

- Push belt slippage
- Pulley breakage
- RPM surge
- Chatter on acceleration

Replace with Sonnax Part No. 33741F-01K Requires F-33741F-TL & VB-FIX

Solenoid Regulator Valve

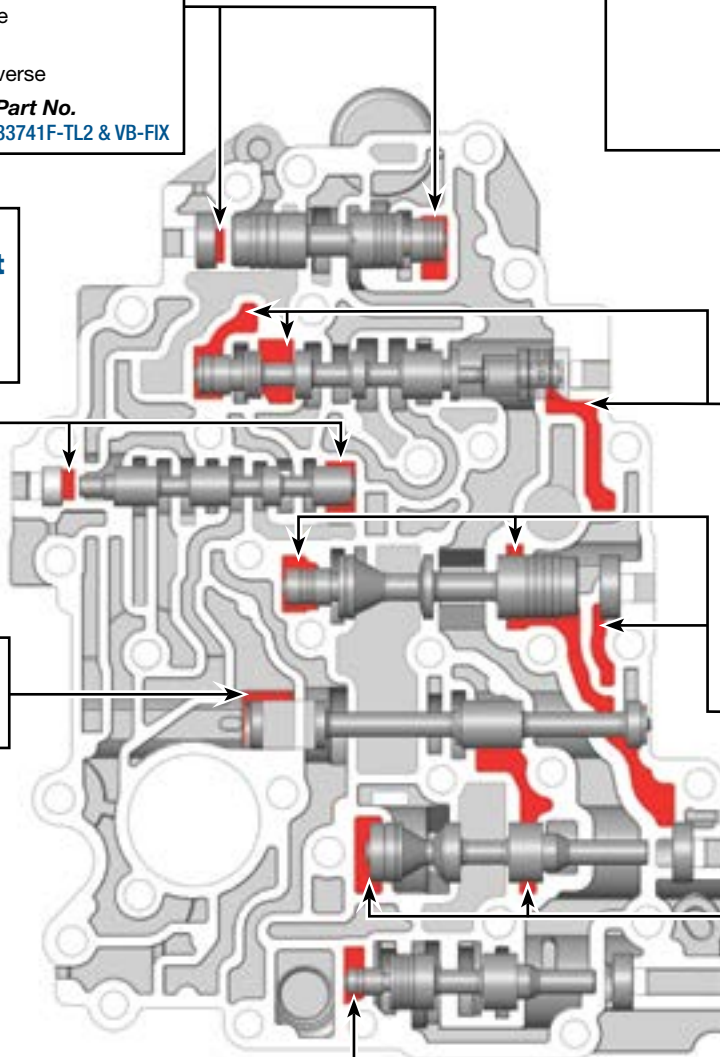
- Chatter/Noise on acceleration
- Push belt slippage
- Increased push belt & pulley wear
- Low line rise
- Low solenoid feed pressure
- No ratio change

Replace with Sonnax Part No. 33741F-03K Requires F-33741F-TL3

Torque Converter/ Lube Regulator Valve

- Engine stall on engagement
- Increased RPM during acceleration
- No lockup
- Overheated fluid
- Poor fuel economy
- Poor lube oil control
- Poor performance
- Ratio codes

Replace with Sonnax Part No. 33741F-04K Requires F-33741F-TL4 & VB-FIX



Valve Body

OE Exploded View

Valve & Pump Bodies

Valve Body Descriptions

I.D No.	Description
101	TCC Switch Valve (inboard), TCC Switch Valve Plunger & Sleeve (outboard)
102	Secondary Pulley - Pressure Regulator Valve
103	Manual Valve
104	TC/Lube Regulator Valve
105	Solenoid Regulator Valve
106	OD-R Select Switch Valve
107	Primary Pulley Regulator Valve

Pump Body Descriptions

I.D No.	Description
201	Pump Flow Control Valve

