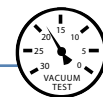




Critical Wear Areas & Vacuum Test Locations



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.

Upper Valve Body – Bottom Side • U241E Shown

End Plugs, Multiple Locations

- Inconsistent shift quality • Clutch failure
- Flare/Bump/Bang shifts • Shift codes

Replace with **Sonnax Part No. 57917E-20K** **NOTE:** Six Locations = ★

C2 (Direct) Exhaust Valve

- C2 Clutch burned
- Slipping/Flares in 3rd and 4th

Clutch Apply Control Plunger Valve Assembly

- Clutch failure • Burnt clutches • Shift concerns

Replace with **Sonnax Part No. 57917E-05K**

C2 (Direct) Lockup Valve

- C2 Clutch burned
- Slipping/Flares in 3rd and 4th

Secondary Regulator Valve

- TCC apply & release concerns • TCC codes
- Burnt converter • Lube failures

Replace with **Sonnax Part No. 57917E-16K** Requires F-57917E-TL16 & VB-FIX

Lockup Control Valve

- TCC apply & release concerns • TCC codes
- Burnt converter • Harsh downshifts

Replace with **Sonnax Part No. 27741-25K** Requires F-27741-TL25 & VB-FIX
NOTE: Test both ports at the same time.

Lockup Control Plunger Assembly

- TCC apply & release concerns
- Burnt converter • TCC codes

Replace with **Sonnax Part No. 57917E-03K**
NOTE: Vacuum testing of lockup control plunger assembly not possible while in casting. Perform visual inspection to identify wear.

Lockup Relay Valve

- TCC apply & release concerns
- Overheating • TCC codes • Burnt converter

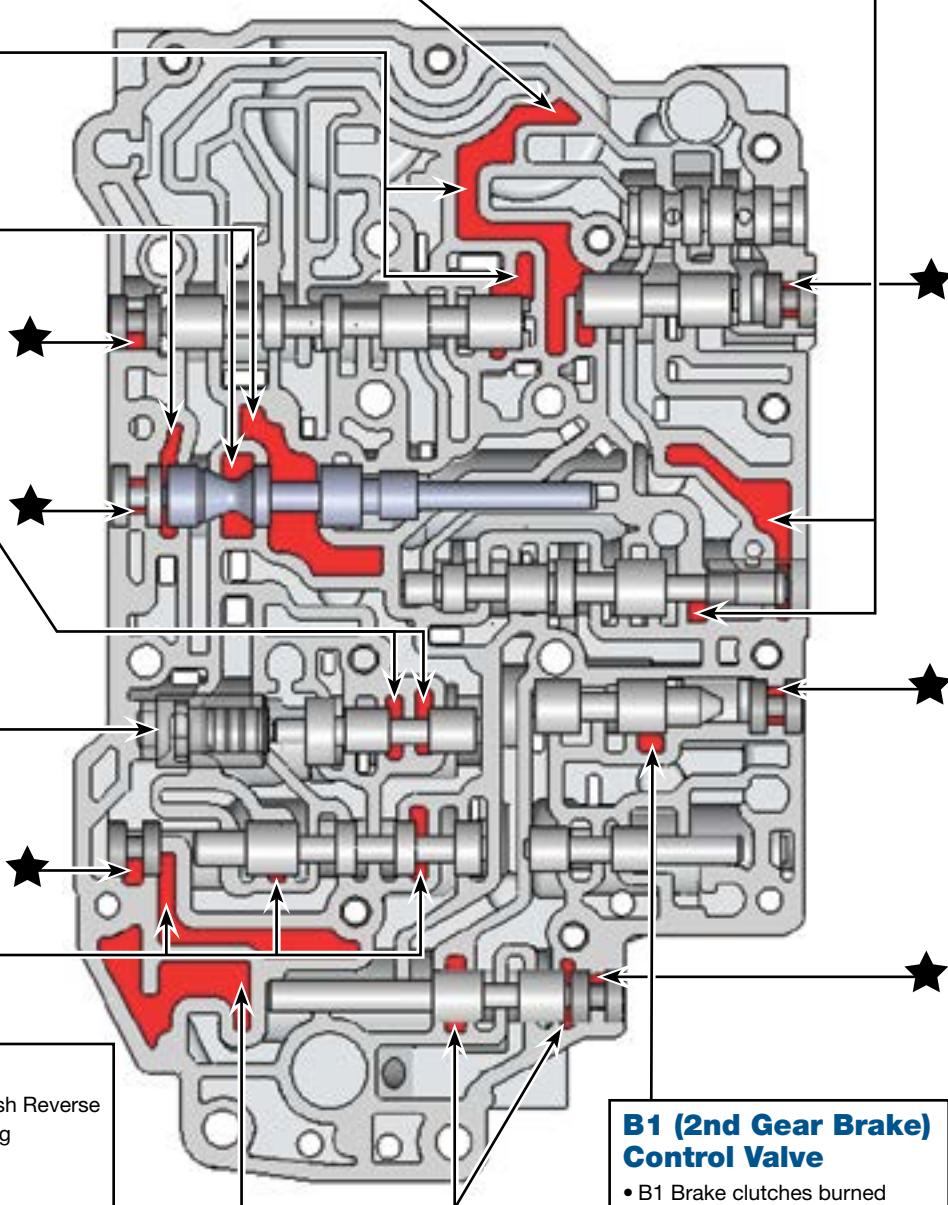
Solenoid Modulator Valve

- Slips & flares • Harsh upshifts • Bind-up • Harsh Reverse
- TCC cycling/slip • Low cooler flow • Overheating
- Excess Reverse pressure & distorted housings

Replace with **Sonnax Part No. 57917E-13K** Requires F-57917E-TL13 & VB-FIX

B1 (2nd Gear Brake) Control Valve

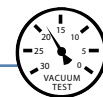
- B1 Brake clutches burned
- 2nd Quality poor



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



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.

Upper Valve Body – Top Side • U241E Shown

Click on Sonnax part numbers to see more information.

C2 (Direct) Accumulator Piston

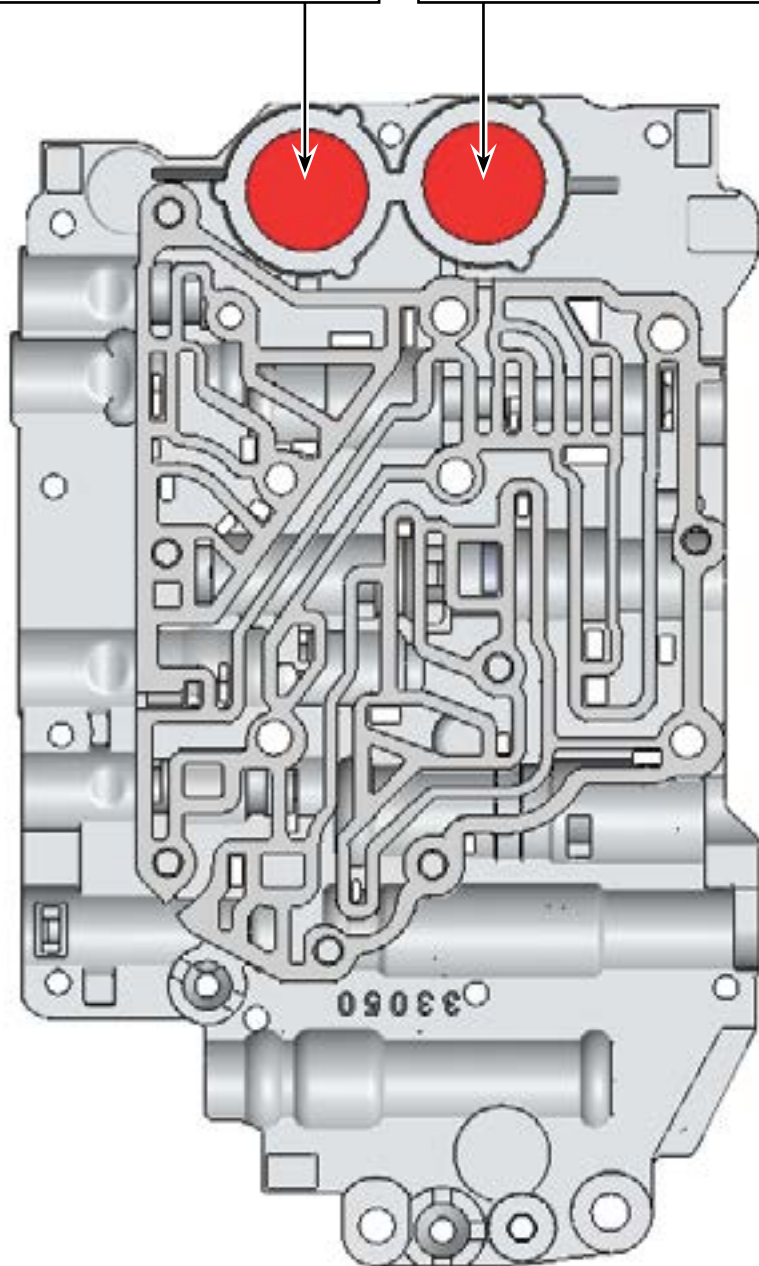
- Delayed engagement • Flare shifts
- Forward slip • Burnt clutches

Replace with Sonnax Part No.
57917E-19K

B1 (2nd Gear) Accumulator Piston

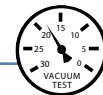
- Delayed engagement • Flare shifts
- Forward slip • Burnt clutches

Replace with Sonnax Part No.
57917E-19K





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.

Lower Valve Body – Bottom Side • U241E Shown

Click on Sonnax part numbers to see more information.

Pressure Regulator Valve

- Low/High line pressure
- Soft/Harsh shifts
- Clutch & band failure
- High line pressure in Reverse
- Low converter pressure

Replace with Sonnax Part No. 57917E-08K Requires 57917E-TL8

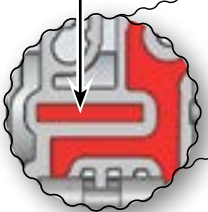
C2 (Direct Clutch) Control Valve

- C2 Clutch burned
- Slipping/Flares in 3rd and 4th

Boost Valve Assembly

- Soft shifts
- Low line rise in Drive
- High line pressure in Reverse

Replace with Sonnax Part No. 57917E-01K

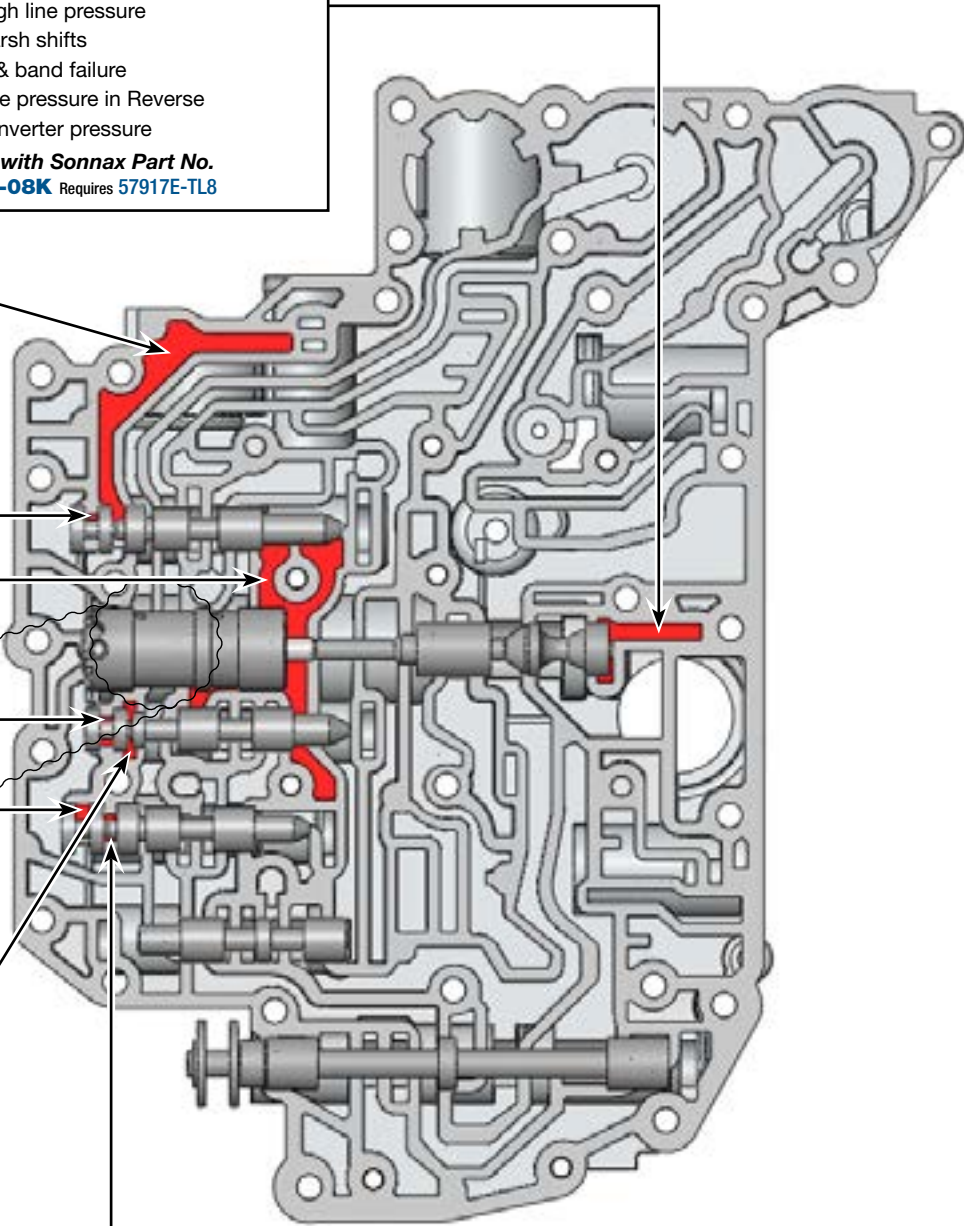


B2 (1st and Reverse Brake) Control Valve

- B2 Brake clutches burned
- Delayed Reverse
- Delayed engagement in manual low

B1 (2nd Gear Brake) Control Valve

- B1 Brake clutches burned
- 2nd Quality poor



End Plugs, Multiple Locations

- Inconsistent shift quality • Clutch failure
- Flare/Bump/Bang shifts • Shift codes

Replace with Sonnax Part No. 57917E-20K

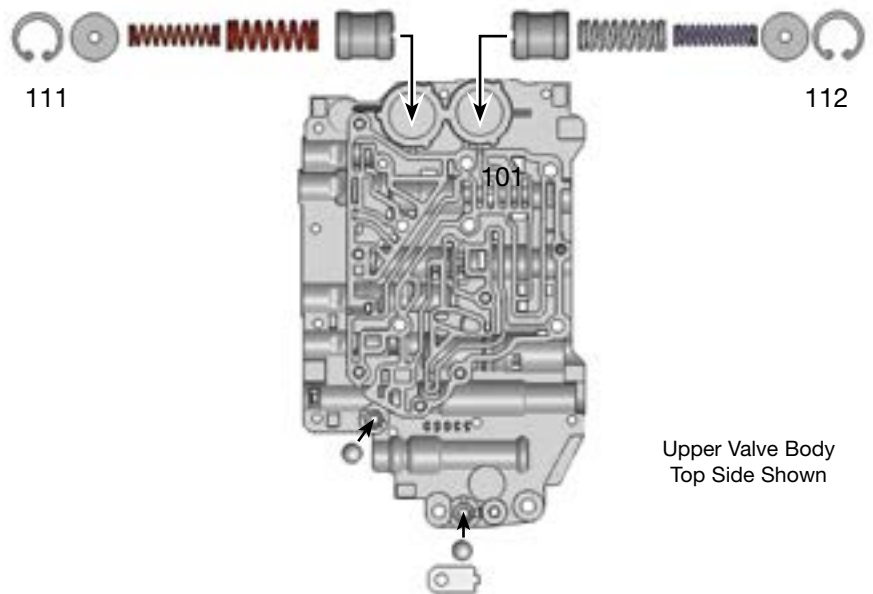
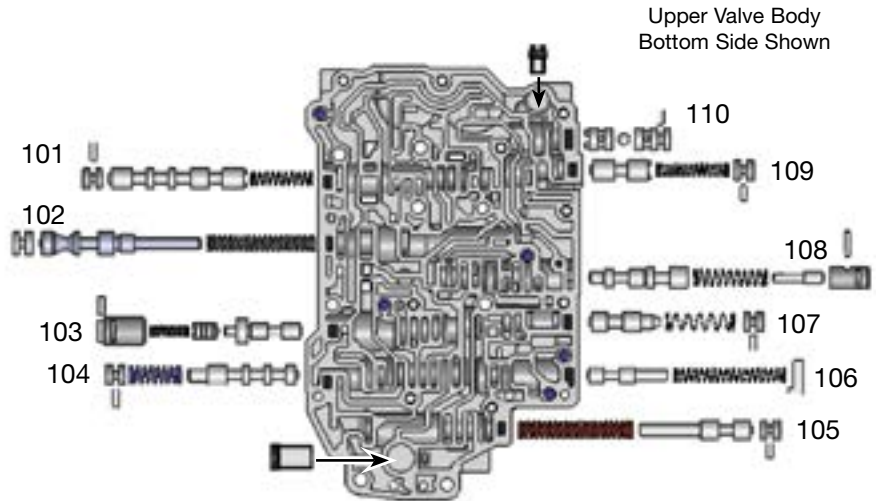
NOTE: Three Locations = ★

OE Exploded View

Upper & Lower Valve Body • U241E Shown

Upper Valve Body Descriptions

I.D. No.	Description
101	C2 Lockup Valve
102	Secondary Regulator Valve
103	Lockup Control Valve
104	Lockup Relay Valve
105	Solenoid Modulator Valve
106	B3 Orifice Control Valve
107	B1 Lockup Valve
108	Clutch Apply Control Valve
109	C2 Exhaust Valve
110	Three-Way Check Valve



Upper Valve Body Descriptions

I.D. No.	Description
111	C2 Accumulator Piston
112	B1 Accumulator Piston

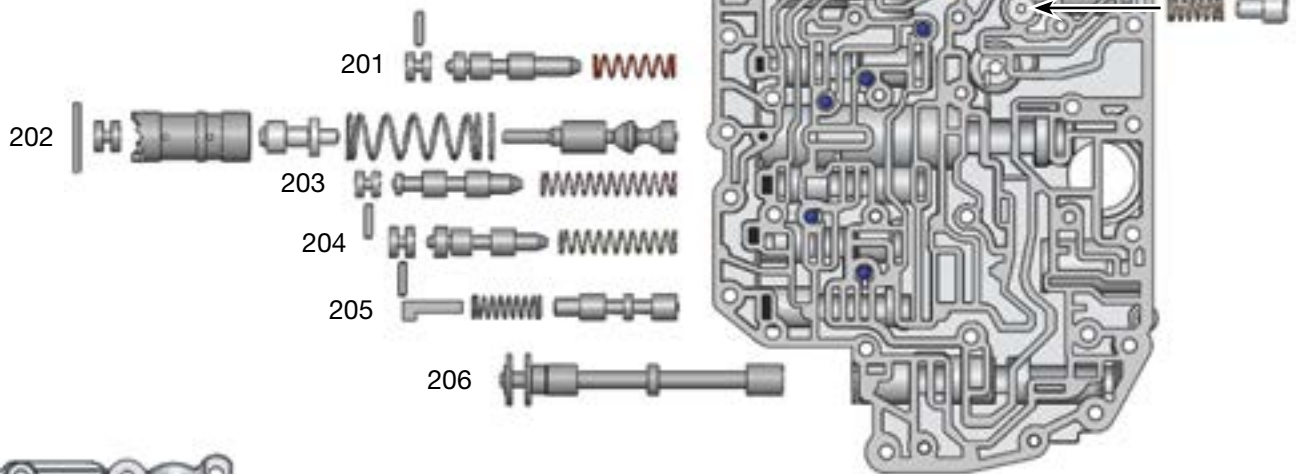
OE Exploded View

Upper & Lower Valve Body • U241E Shown Here

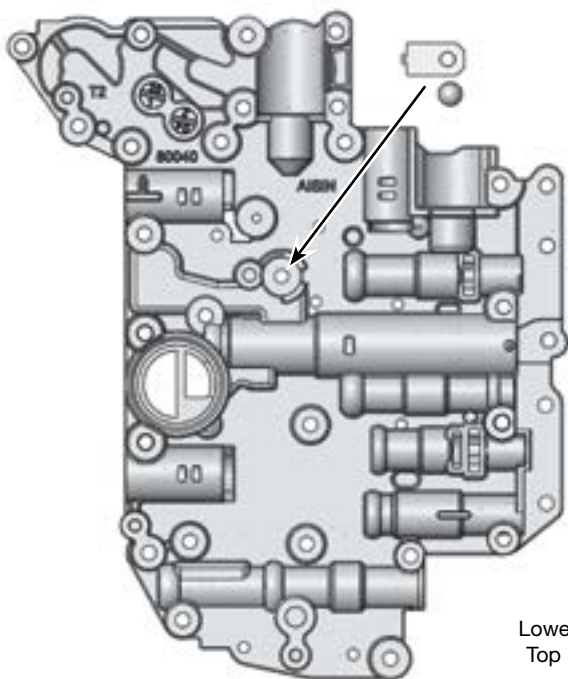
Lower Valve Body Descriptions

I.D No.	Description
201	C2 Control Valve
202	Main Regulator Valve
203	B2 Control Valve
204	B1 Control Valve
205	3-4 Shift Valve
206	Manual Valve

Checkball is not used in all units. Only use in models that have a corresponding hole in the separator plate at this location.



Lower Valve Body
Bottom Side Shown



Lower Valve Body
Top Side Shown