

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.

Front Control Valve Body - Top Side (Bottom Side Inset) Shown

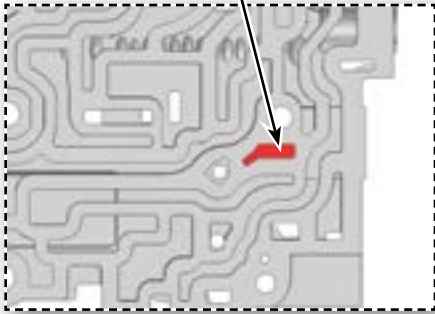
Solenoid B-1 Modulator Valve No. 2

Shift concerns in 2nd & 4th
NOTE: Invert valve (as shown) to test.

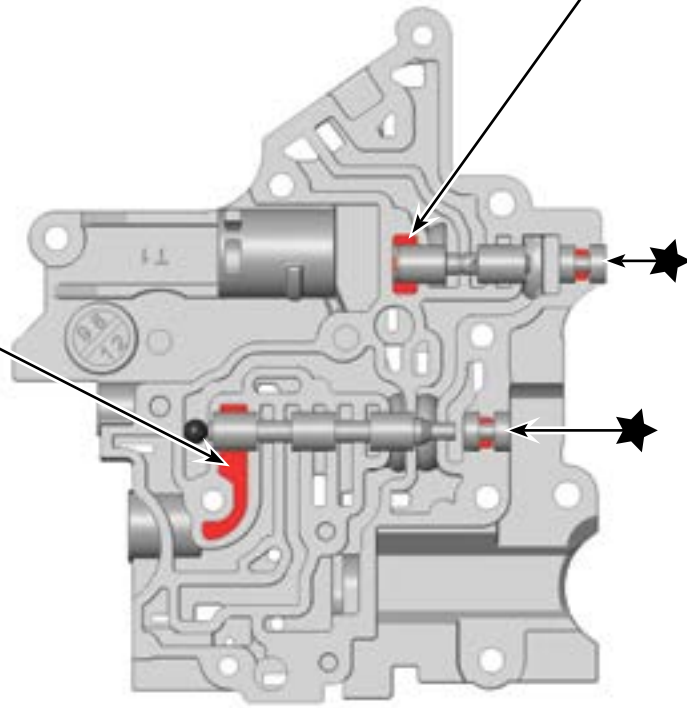
Neutral Relay Valve

- Delayed engagement
 - Loss of Neutral control feature
- NOTE:** Prop valve in outboard position with checkball and seal port on opposite side of casting.

Seal for Neutral relay valve vacuum test.



Front Control Valve Body
Bottom Side



Front Control Valve Body
Top Side

End Plugs

- Various shift concerns
- Pressure loss
- Burnt clutches
- TCC apply concerns

Replace with Sonnax Part No. 19741-15K

NOTE: Several Locations = ★

Click on Sonnax part numbers to see more information.

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Middle Control Valve Body - Top & Bottom Sides Shown

Reverse Boost Assembly

- Burnt Reverse clutch
 - No Reverse
 - Delayed Reverse
 - Low Reverse boost
 - Low line rise in Reverse
 - Reverse slip
- Replace with Sonnax Part No. 19741-07K**

Lockup Control Solenoid Valve

- Converter slip/shudder/codes
 - No converter apply
- NOTE:** Test port by using 3-4 shift valve in bore instead.

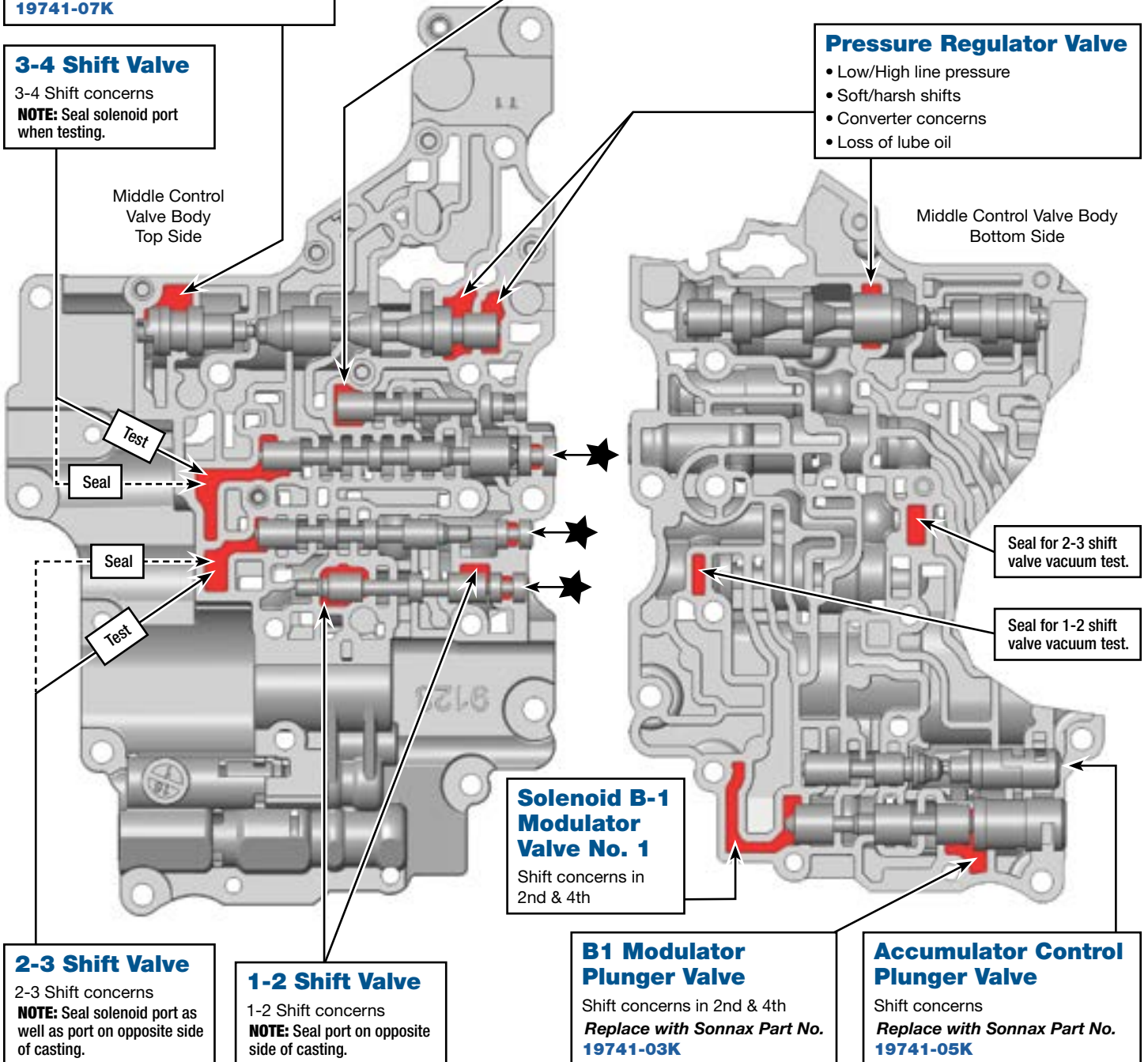
Click on Sonnax part numbers to see more information.

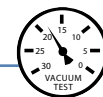
3-4 Shift Valve

- 3-4 Shift concerns
- NOTE:** Seal solenoid port when testing.

Pressure Regulator Valve

- Low/High line pressure
- Soft/harsh shifts
- Converter concerns
- Loss of lube oil

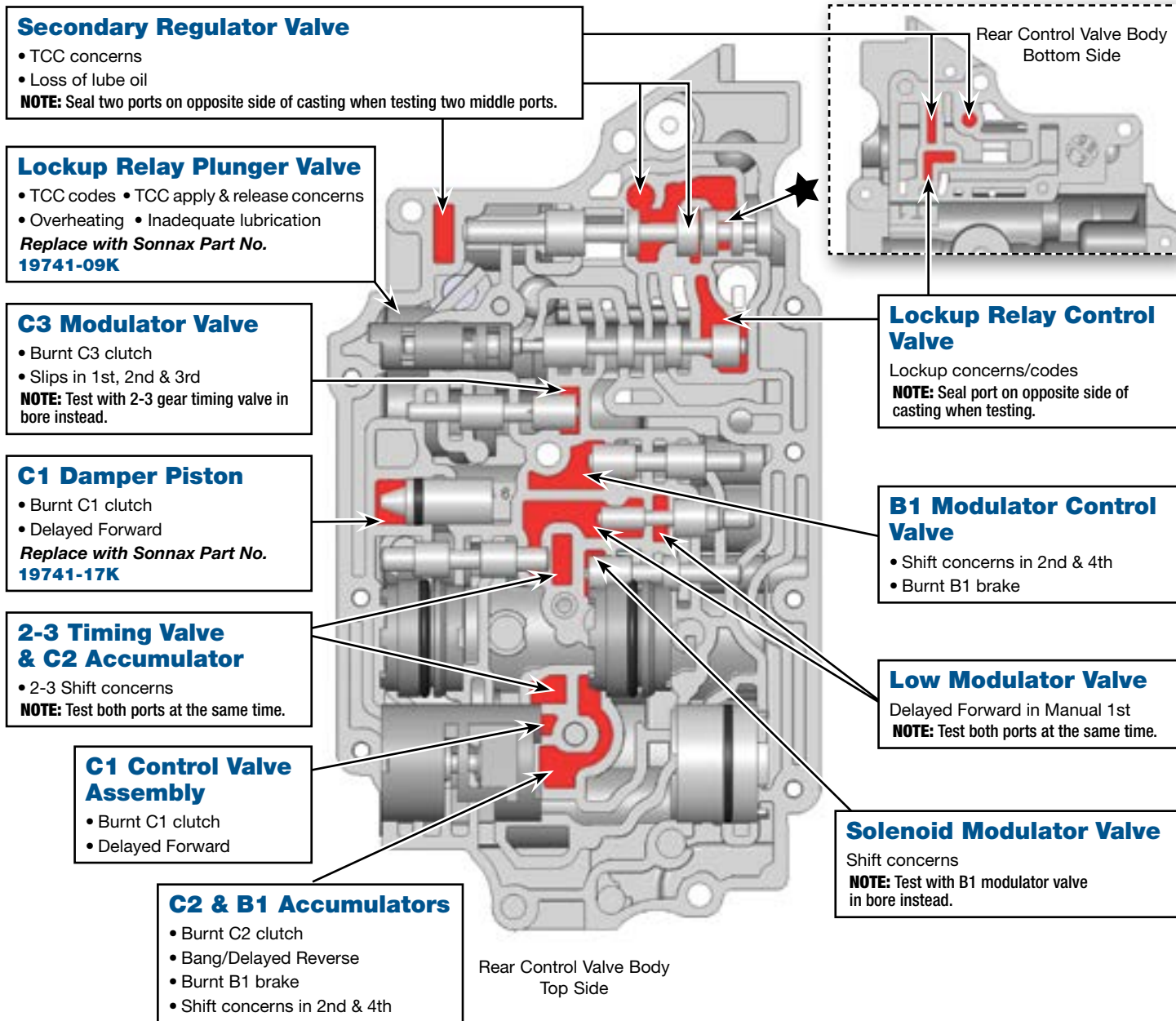




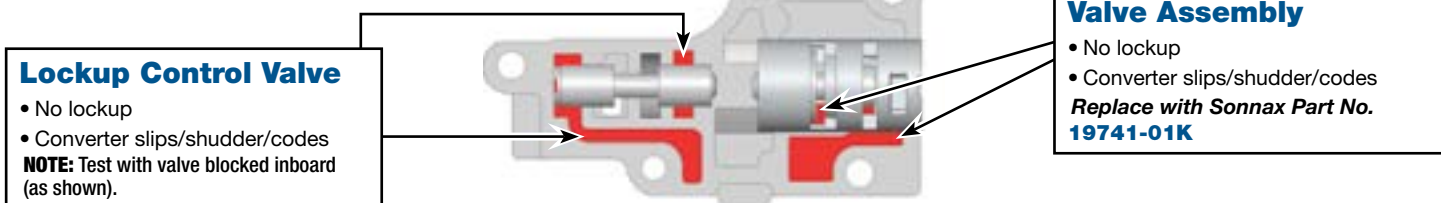
Critical Wear Areas & Vacuum Test Locations

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Rear Control Valve Body - Top Side (Bottom Side Inset) Shown



No. 2 Rear Control Valve Body

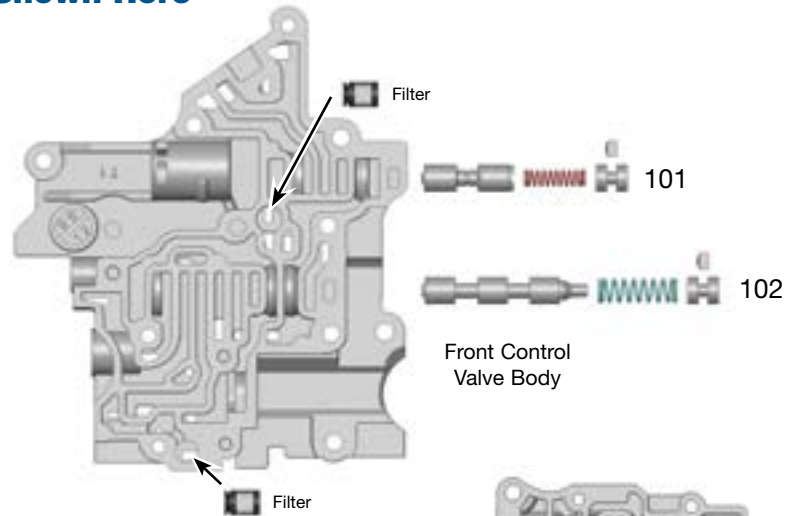


OE Exploded View

Front & Middle Control Valve Bodies Shown Here

Front Control Valve Body Descriptions

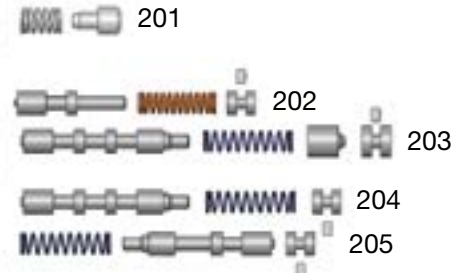
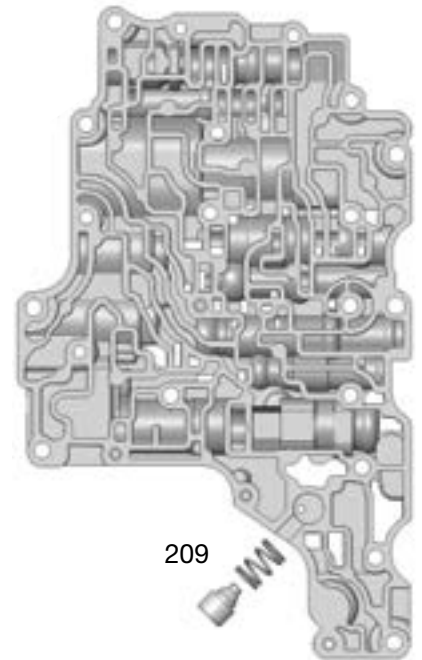
I.D. No.	Description
101	Solenoid B1 Modulator Valve No. 2
102	Neutral Relay Valve



Middle Control Valve Body Descriptions

I.D. No.	Description
201	Pressure Relief Valve
202	Lockup Control Solenoid Valve
203	3-4 Shift Valve
204	2-3 Shift Valve
205	1-2 Shift Valve
206	Solenoid B1 Modulator Valve No.1
207	Accumulator Regulator Valve and Plunger Valve Assembly
208	Primary Regulator Valve & Reverse Boost Assembly
209	Pressure Relief Valve

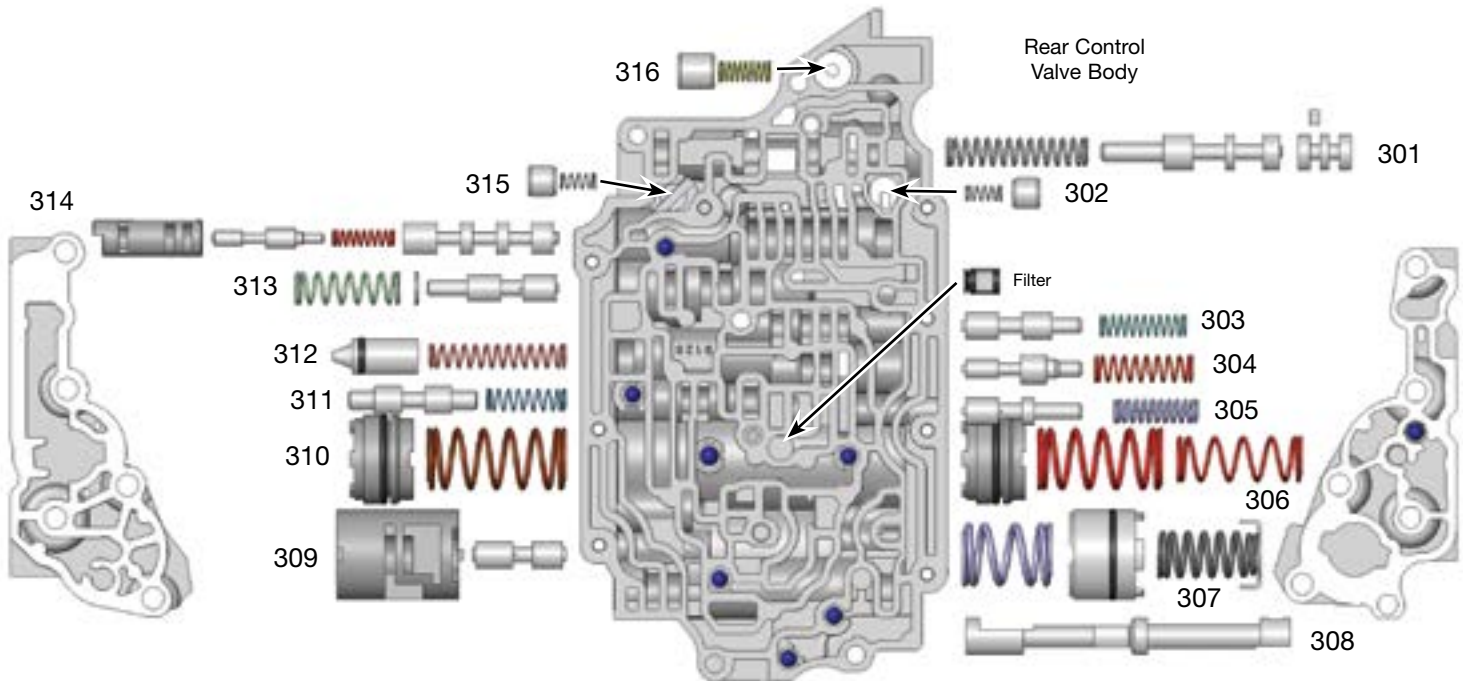
Middle Control Valve Body (Bottom Side)



Middle Control Valve Body (Front Side)

OE Exploded View

Rear & No. 2 Rear Control Valve Bodies Shown Here



Rear Control Valve Body Descriptions

I.D No.	Description
301	Secondary Regulator Valve
302	Check Valve
303	B1 Modulator Control Valve
304	Low Modulator Valve
305	Solenoid Modulator Valve
306	C2 Accumulator
307	B1 Accumulator
308	Manual Valve
309	C1 Control Valve Assembly
310	C0 Accumulator
311	2-3 Timing Valve
312	C1 Damper Piston
313	C3 Modulator Valve
314	Lockup Relay Control Valve & Plunger Assembly
315	Check Valve
316	Check Valve

No. 2 Rear Control Valve Body



No. 2 Rear Control Valve Body Descriptions

I.D. No.	Description
401	TCC Control Valve & Plunger Valve Assembly