

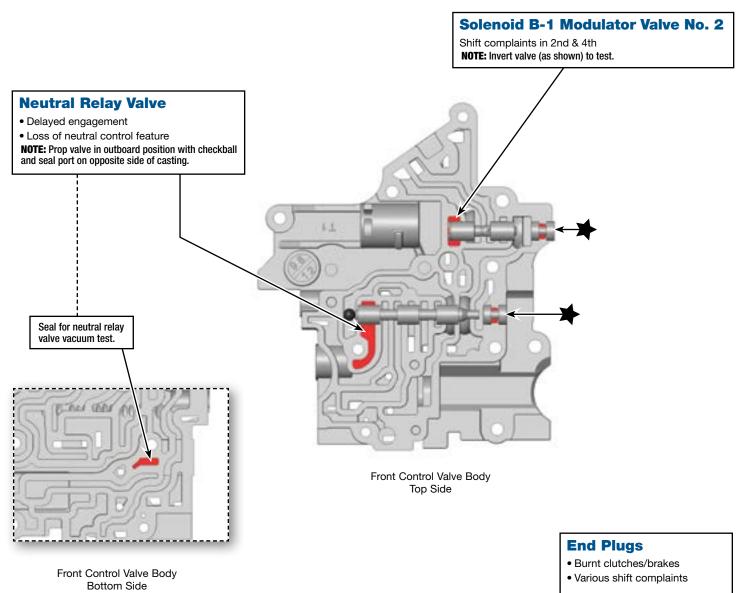


Critical Wear Areas & Vacuum Test Locations



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



Replace with Sonnax Part No. 19741-15K*

NOTE: Several Locations =

Click on Sonnax part numbers to see more information.

Part numbers with an asterisk () are included in this Zip Kit.



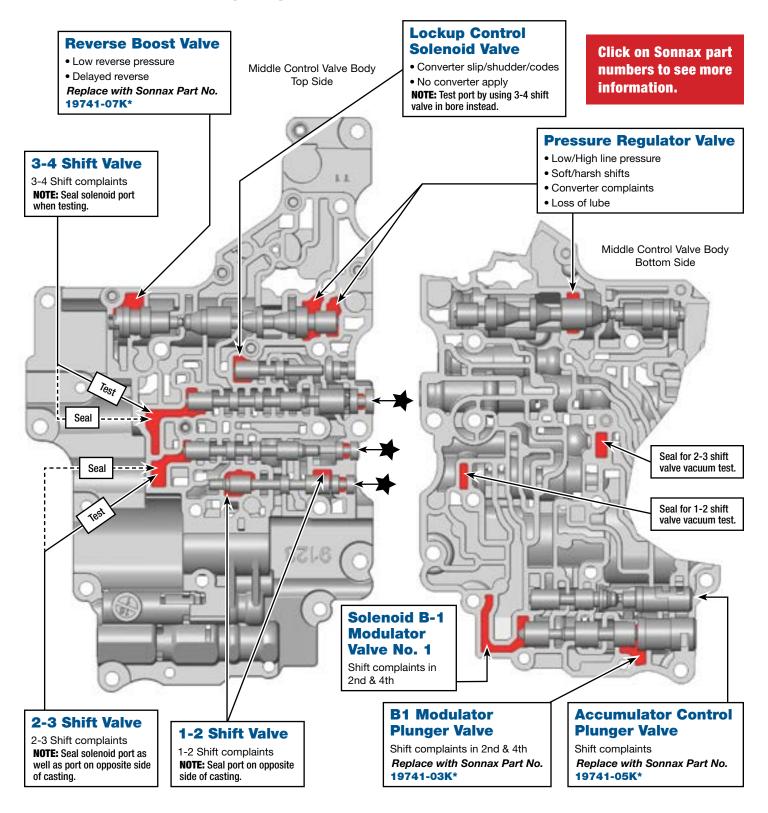


Critical Wear Areas & Vacuum Test Locations



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.

Middle Control Valve Body - Top & Bottom Sides Shown







Rear Control Valve Body Bottom Side

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.

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

Secondary Regulator Valve

- TCC complaints
- Loss of lube

NOTE: Seal two ports on opposite side of casting when testing two middle ports.

Lockup Relay Plunger Valve

- TCC apply & release concerns
- Inadequate lubrication Overheat

Replace with Sonnax Part No. 19741-09K*

C-3 Modulator Valve

- Burned C3 clutch
- Slips in 1st, 2nd & 3rd

NOTE: Test with 2-3 gear timing valve in bore instead.

C-1 Damper Piston

- Burned C1 clutch
- Delayed forward

Replace with Sonnax Part No. 19741-17K*

2-3 Timing Valve & C2 Accumulator

• 2-3 Shift complaints

NOTE: Test both ports at the same time.

C-1 Control Valve Assembly

- Burned C1 clutch
- Delayed forward

C2 & B1 Accumulators

- Burned C2 clutch
- Bang/Delayed reverse
- Burned B1 brake
- Shift complaints in 2nd & 4th

Rear Control Valve Body Top Side

Lockup Relay Control Valve

Lockup complaints/codes

NOTE: Seal port on opposite side of casting when testing.

B-1 Modulator Control Valve

- Shift complaints in 2nd & 4th
- Burned B1 brake

Low Modulator Valve

Delayed forward in Manual 1 **NOTE:** Test both ports at the same time.

Solenoid Modulator Valve

Shift complaints

NOTE: Test with B-1 modulator valve in bore instead.

Click on Sonnax part numbers to see more information.

No. 2 Rear Control Valve Body

Lockup Control Valve

- Loss of lockup
- Converter slips/shudder/codes **NOTE:** Test with valve blocked inboard (as shown).

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Lockup Control Plunger Valve Assembly

- Loss of lockup
- Converter slips/shudder/codes

Replace with Sonnax Part No. 19741-01K*

Part numbers with an asterisk () are included in this Zip Kit.

AW60-41SN-Vac-Locations 03-02-15

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Filter

Middle Control Valve Body (Bottom Side) Front Control Valve Body

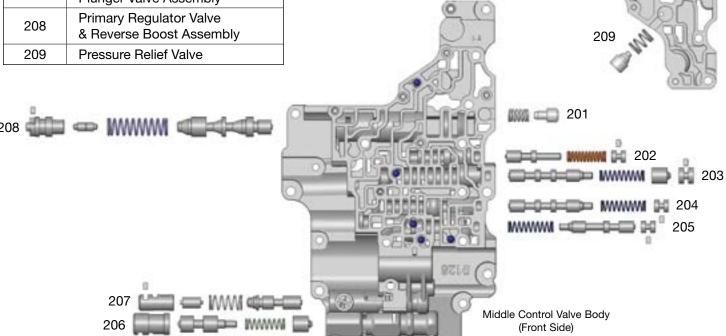


OE Exploded View

Front & Middle Control Valve Bodies Shown Here

Front Control Valve Body Descriptions		
I.D. No.	Description	
101	Solenoid B-1 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 B-1 Modulator Valve No.1	
207	Accumulator Regulator Valve and Plunger Valve Assembly	
208	Primary Regulator Valve & Reverse Boost Assembly	
209	Pressure Relief Valve	

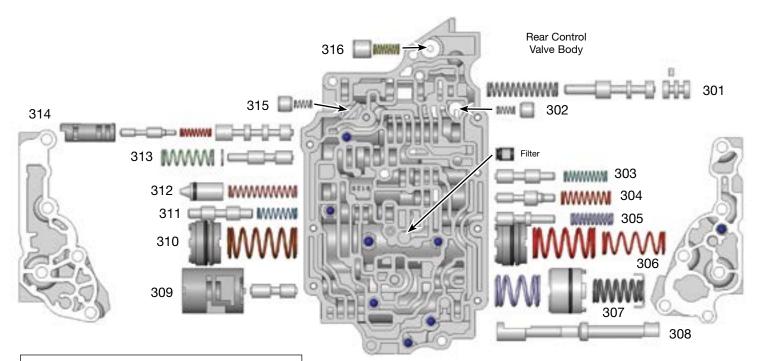




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OE Exploded View

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	B-1 Modulator Control Valve	
304	Low Modulator Valve	
305	Solenoid Modulator Valve	
306	C-2 Accumulator	
307	B-1 Accumulator	
308	Manual Valve	
309	C-1 Control Valve Assembly	
310	C-0 Accumulator	
311	2-3 Timing Valve	
312	C-1 Damper Piston	
313	C-3 Modulator Valve	
314	Lockup Relay Control Valve & Plunger Assembly	
315	Check Valve	
316	Check Valve	



No. 2 Rear Control Valve Body Descriptions	
I.D. No.	Description
401	TCC Control Valve & Plunger Valve Assembly