



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 and Sonnax parts are noted for replacement.

Main Valve Body



For specific vacuum test information, refer to individual part instructions included in kits and available at www.sonnax.com.

Click on Sonnax part numbers to see more information.



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

Replace with Sonnax Part No. 113741-09K

Requires F-113741-TL9 & VB-FIX

Secondary Pressure Regulator Valve

- Push belt slippage & pulley fracture
- · Chatter on acceleration
- RPM surge on acceleration

Replace with Sonnax Part No. 113741-21K

Requires F-113741-TL21 & VB-FIX

Torque Converter Pressure Regulator Valve

- Converter shudder & TCC slip
- TCC apply & release concerns
- TCC codes
- Overheating

Replace with Sonnax Part No. 113741-13K

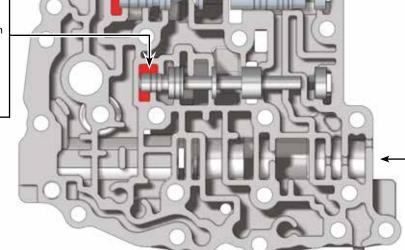
Requires F-113741-TL13 & VB-FIX

Torque Converter Lube Regulator Valve

- Engine stall on engagement
- No lockup
- Increased RPM during acceleration
- Ratio Codes
- Poor Performance

Replace with Sonnax Part No. 113741-04K

Requires F-113741-TL4 & VB-FIX



Manual Valve

- Delayed engagement
- Low pressure





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Middle Valve Body (Front)



For specific vacuum test information, refer to individual part instructions included in kits and available at www.sonnax.com.

Click on Sonnax part numbers to see more information.

Secondary Pulley Control Valve

- RPM surge or chatter on acceleration
- Push belt slippage & pulley fracture

Replace with Sonnax Part No. 113741-19K

Requires F-113741-TL17 & VB-FIX

Lockup Control in Plunger Valve

Jerking on coastdown

Clutch Reducing

Regulator Valve

• Chatter on acceleration

· Harsh engagements

· Delayed engagement

- High engine RPM
- Engine stall on engagement
- No lockup

Replace with Sonnax Part No. 113741-11K

Lockup Control Valve

- · Jerking on coastdown
- Harsh engagement
- High engine RPM
- No lockup

Replace with Sonnax Part No. 113741-22K

Requires F-113741-TL22 & VB-FIX

Select Switch Valve

- · Delayed engagement
- Harsh engagement

Solenoid Regulator Valve 🛣

- Chatter on acceleration
- No ratio change
- · Noise on acceleration
- Low solenoid feed pressure

Replace with Sonnax Part No. 113741-01K

Select Control Valve

- Delayed engagement
- Harsh engagement





Drop-In Zip Valve[™] Parts Available

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Middle Valve Body (Back)



For specific vacuum test information, refer to individual part instructions included in kits and available at www.sonnax.com.

Click on Sonnax part numbers to see more information.

Secondary Pulley Control Valve

- RPM surge or chatter on acceleration
- Push belt slippage & pulley fracture

Replace with Sonnax Part No. 113741-19K

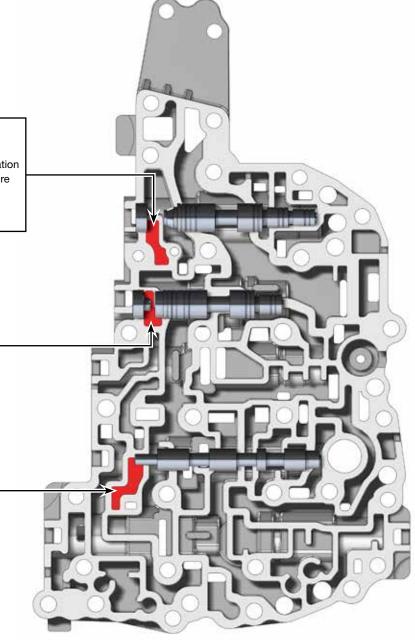
Requires F-113741-TL17 & VB-FIX

Clutch Reducing Regulator Valve

- Harsh engagements
- · Chatter on acceleration
- Delayed engagement

Select Switch Valve

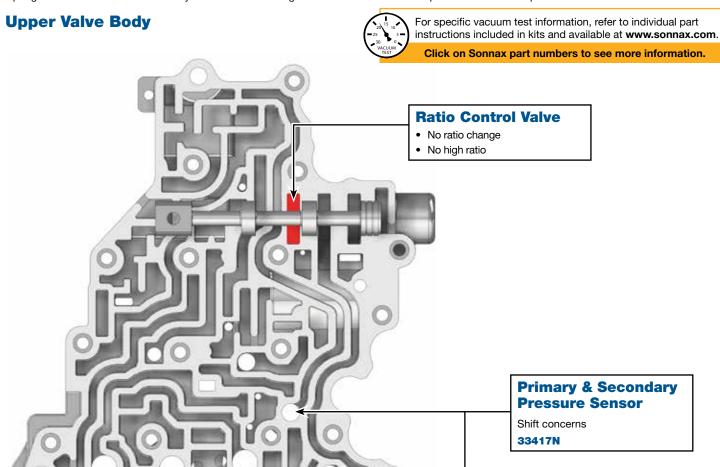
- Delayed engagement
- · Harsh engagement







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Pump Body

Pump Flow Control Valve

- Push belt slippage
- Delayed engagement
- Low pump volume

Replace with Sonnax Part Nos. 33510N-02 or

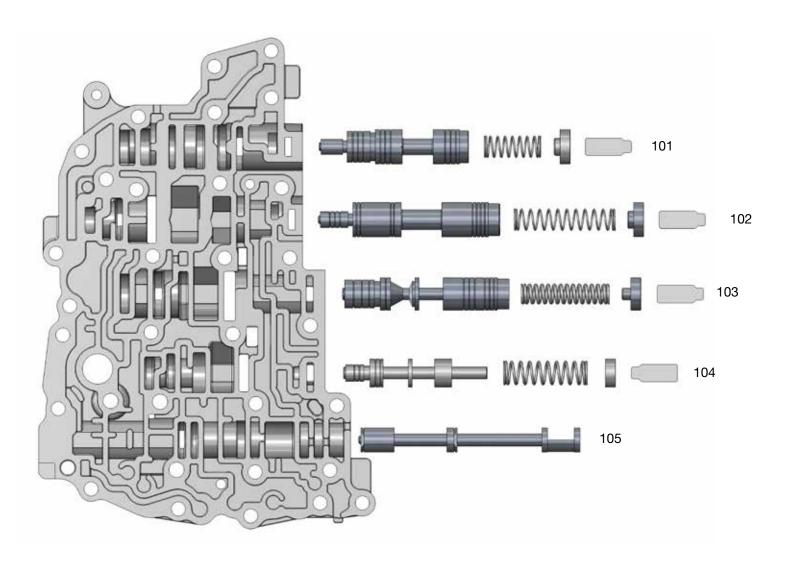
33510N-01 Requires F-33510N-TL & VB-FIX





OE Exploded View

Main Valve Body

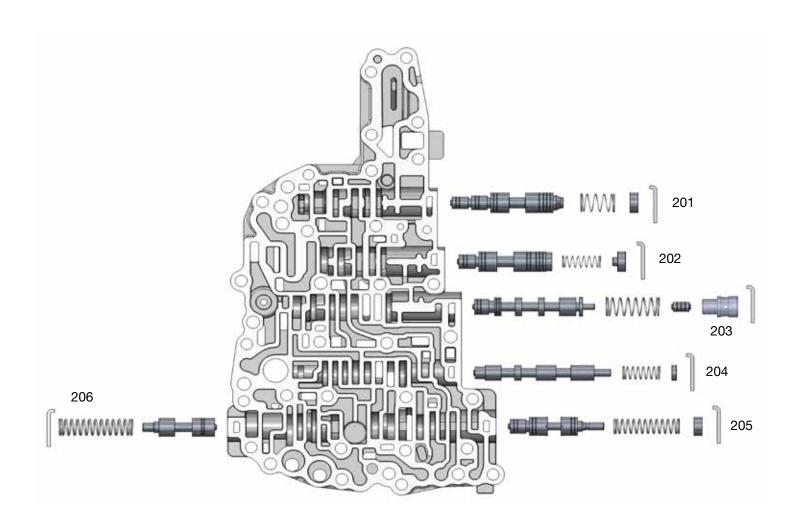


JF011E Main Valve Body Descriptions		
I.D. No.	Description	
101	Secondary Pressure Regulator Valve	
102	Primary Pressure Regulator Valve	
103	Torque Converter Pressure Regulator Valve	
104	Torque Converter Lube Regulator Valve	
105	Manual Valve	



OE Exploded View

Middle Valve Body

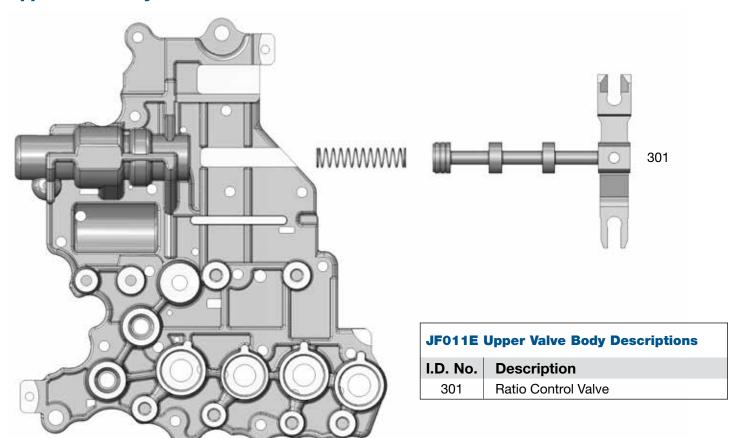


JF011E Middle Valve Body Descriptions	
I.D. No.	Description
201	Secondary Pulley Control Valve
202	Clutch Reducing Regulator Valve
203	Lockup Control Valve
204	Select Switch Valve
205	Select Control Valve
206	Solenoid Regulator Valve



OE Exploded View

Upper Valve Body



Pump Body

