

Critical Wear Areas & Vacuum Test Locations

ZIP Drop-In Zip Valve™ Parts Available

A340-LATE-ZIP Zip Kit® Available

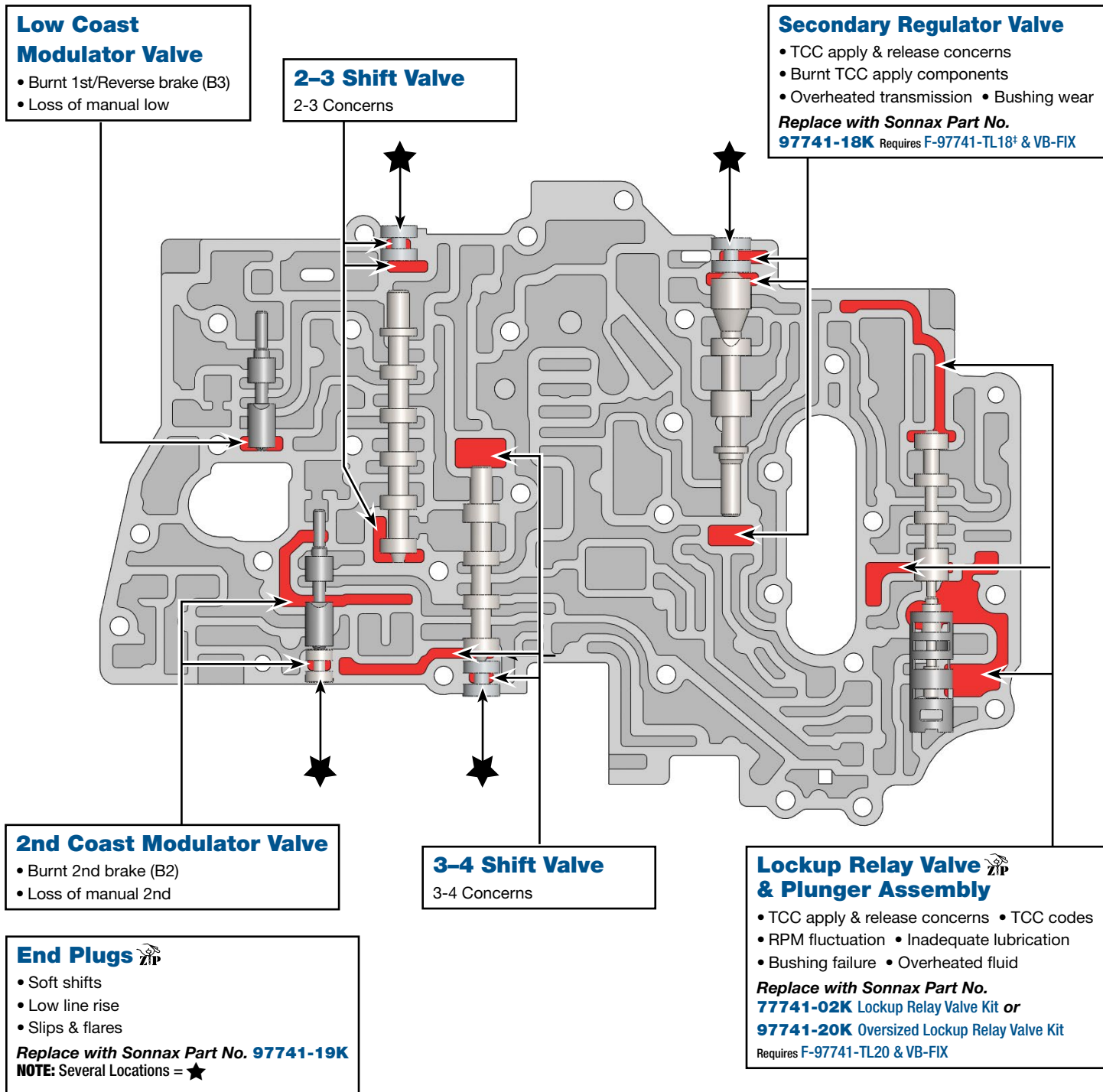
NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts are noted for replacement.

Upper Valve Body Type 3, EPC Style



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.



†Required tool kit F-97741-TL18 is no longer in production. Check with distributor for availability.

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Lower Valve Body Type 3, EPC Style



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.

Primary Regulator Valve

- Low line pressure
- High line pressure
- Poor shift quality
- Low lube oil flow
- Burnt clutches

Replace with Sonnax Part No.

97741-06K EPC valve spool .426" dia.; replaces OE 2-dot boost sleeve or

97741-10K EPC valve spool .353" dia.; replaces OE 3-dot or no-dot boost sleeve

97741-06K & 97741-10K: Requires F-97741-TL6 & VB-FIX

End Plugs

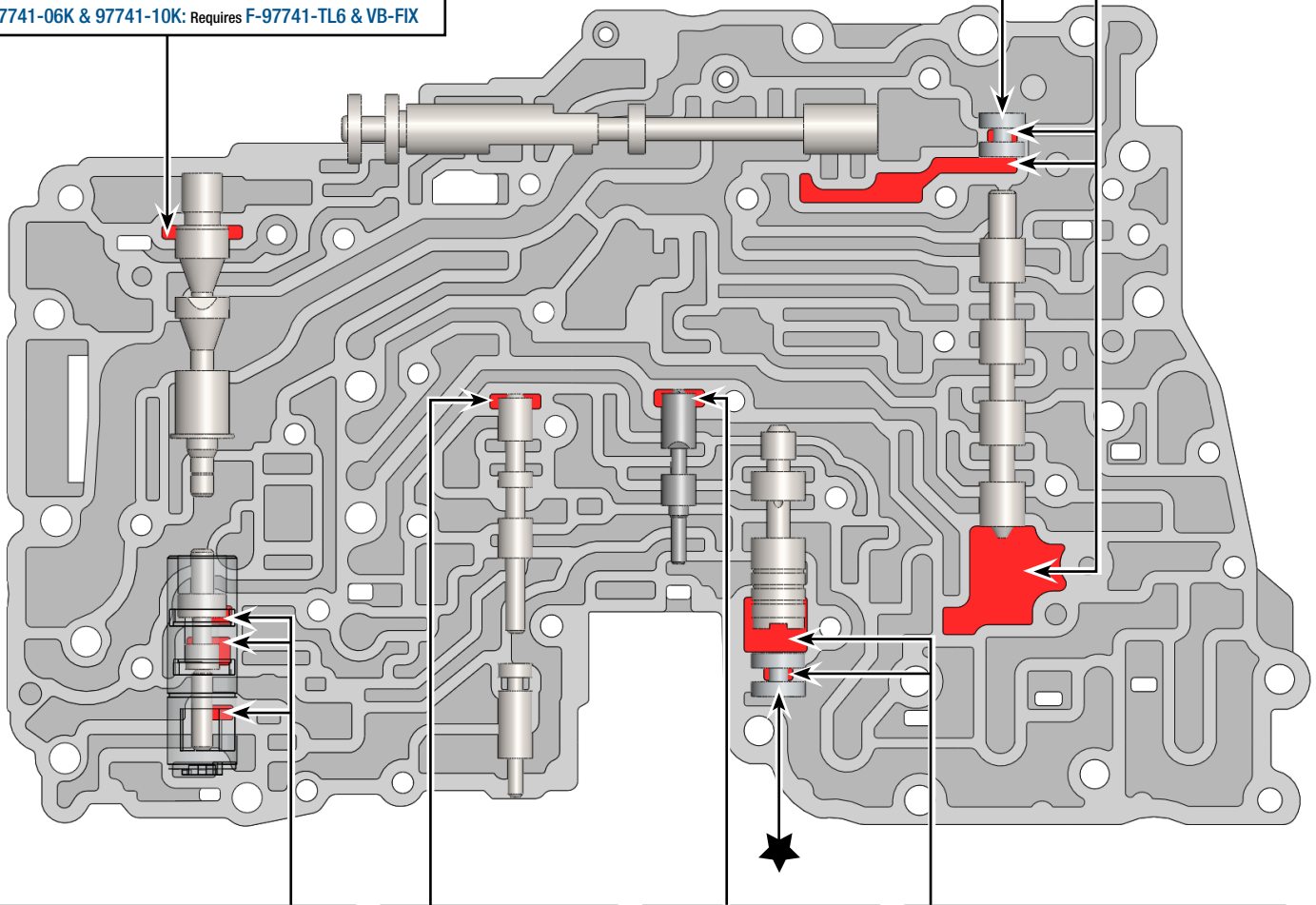
- Soft shifts
- Low line rise
- Slips & flares

Replace with Sonnax Part No. **97741-19K**

NOTE: Several Locations = ★

1-2 Shift Valve

1-2 Concerns



Boost Assembly

- Delayed Forward or Reverse
- Soft shifts
- Low pressure

Replace with Sonnax Part No.

97741-01K

Cutback Valve

- No kickdown
- Loss of throttle pressure

Secondary Modulator Valve

- Shift concerns
- Solenoid codes

Accumulator Control Valve

- Shift concerns
- Solenoid codes
- Loss of throttle/line pressure

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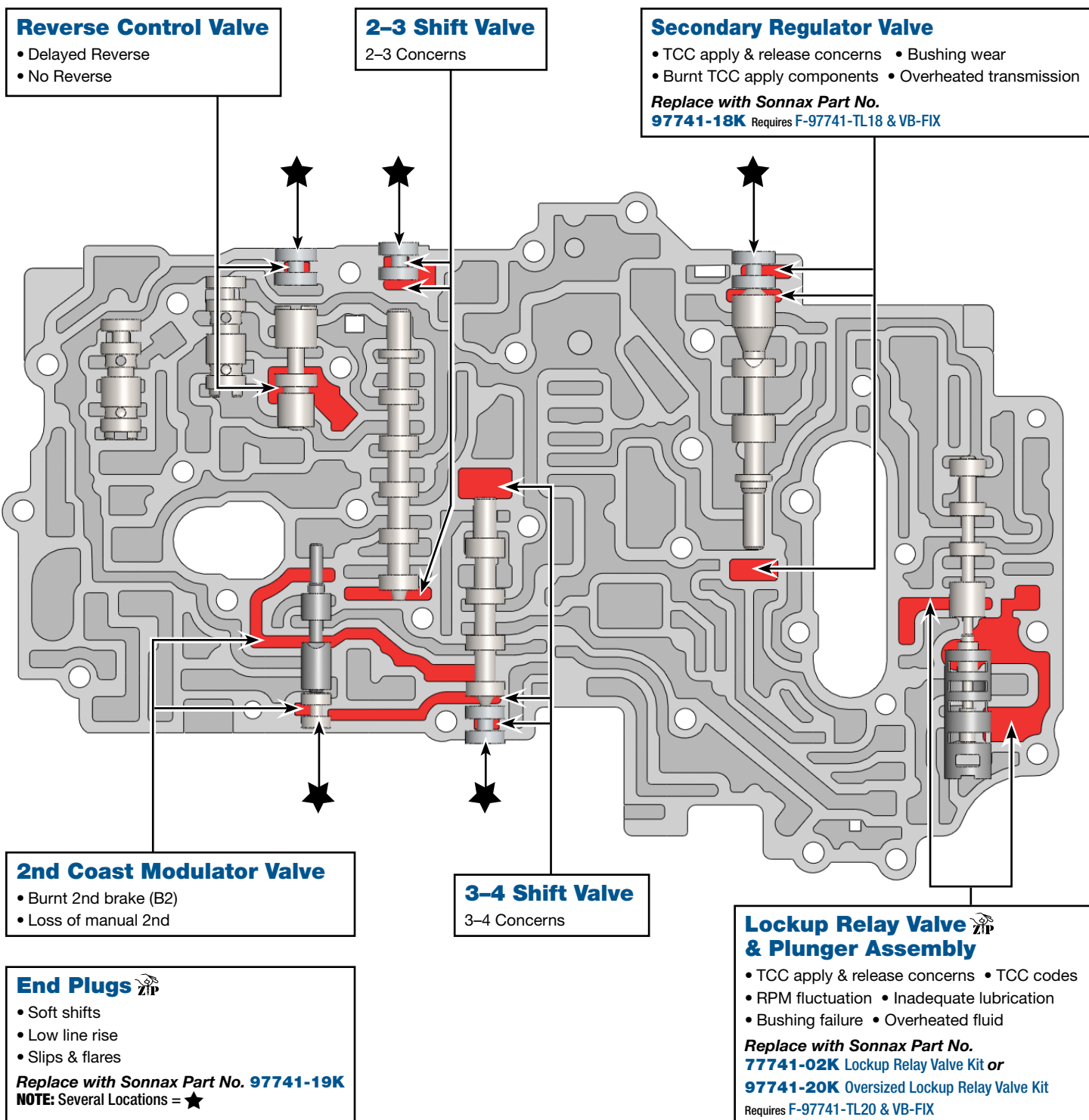
NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts are noted for replacement.

Upper Valve Body Type 4, EPC Style



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.



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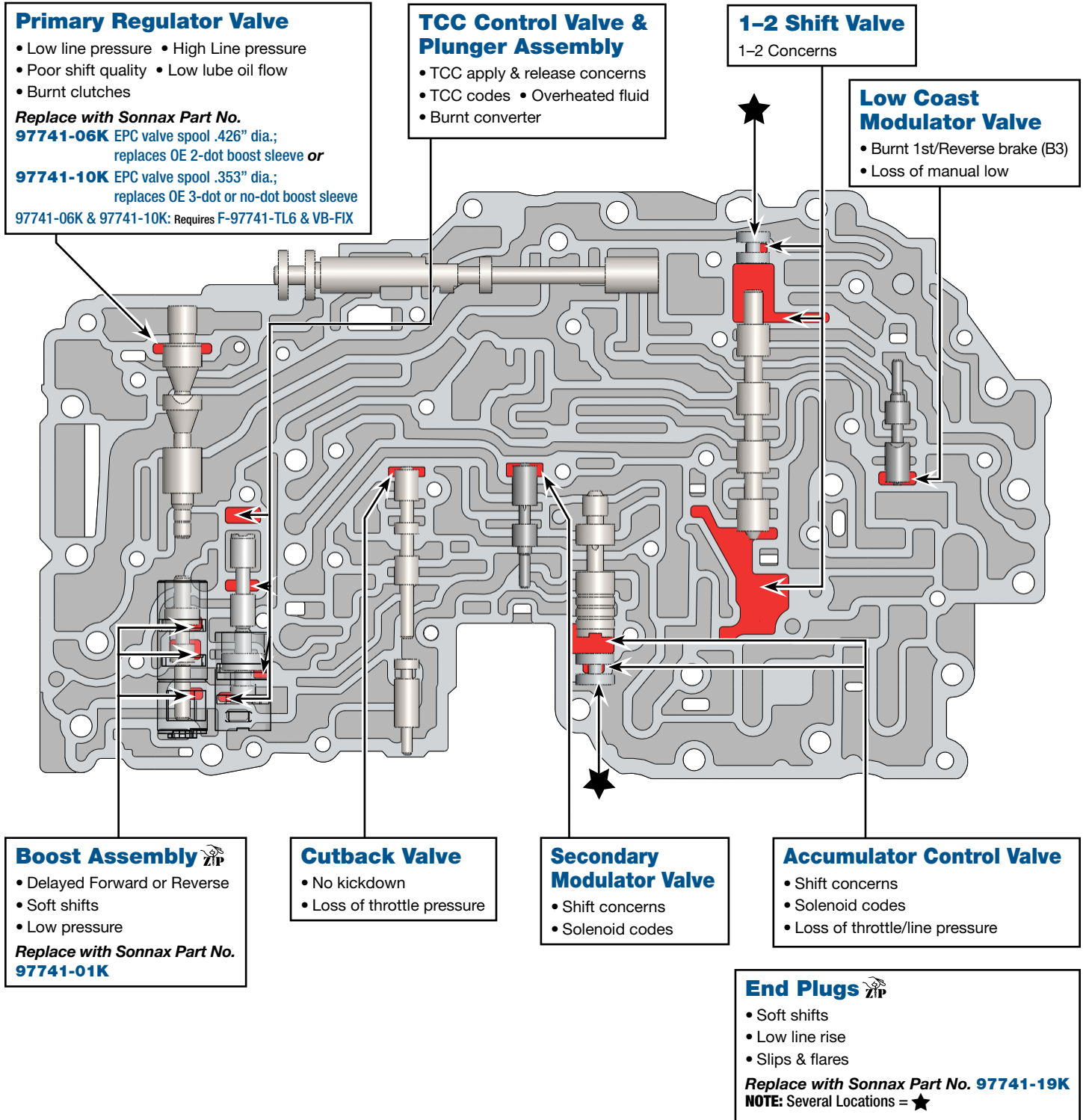
NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts are noted for replacement.

Lower Valve Body Type 4, EPC Style



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

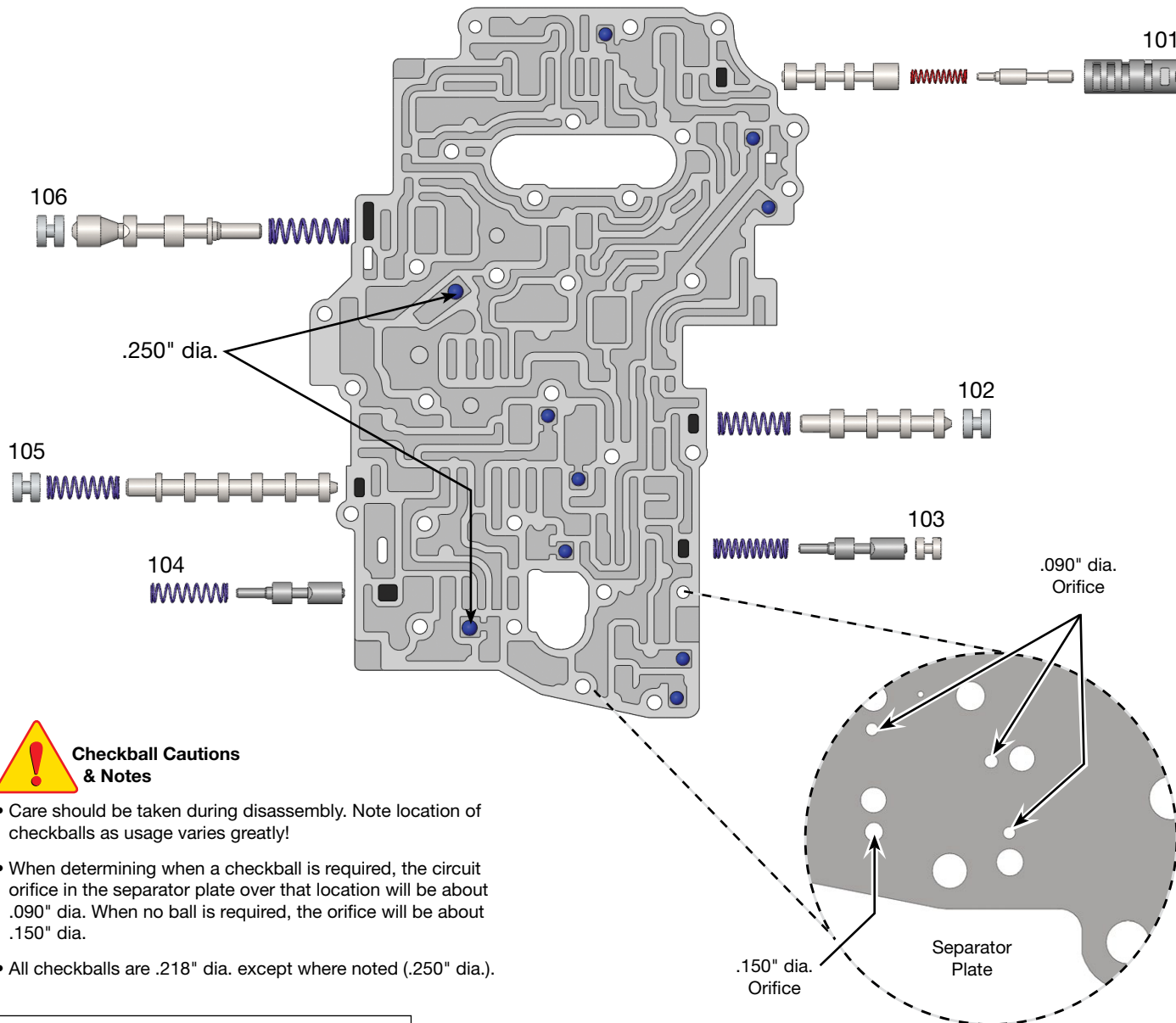
Click on Sonnax part numbers to see more information.



OE Exploded View

Upper Valve Body • Type 3, EPC Style Shown Here

NOTE: Depending upon vehicle application, the OE springs shown may not be present.



Checkball Cautions & Notes

- Care should be taken during disassembly. Note location of checkballs as usage varies greatly!
- When determining when a checkball is required, the circuit orifice in the separator plate over that location will be about .090" dia. When no ball is required, the orifice will be about .150" dia.
- All checkballs are .218" dia. except where noted (.250" dia.).

Upper Valve Body Descriptions

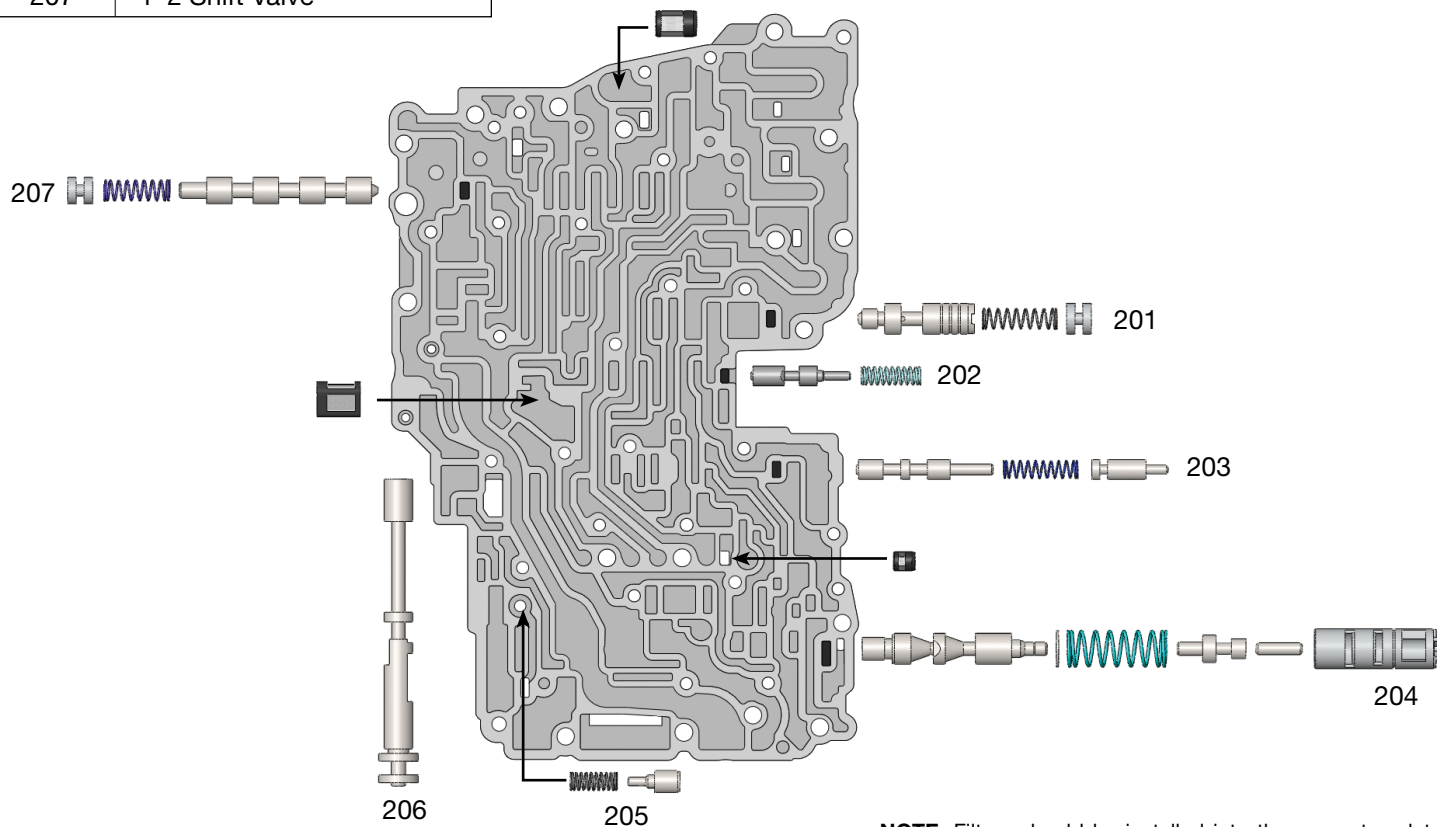
I.D. No.	Description
101	Lockup Relay Valve & Plunger Assembly
102	3-4 Shift Valve
103	2nd Coast Modulator Valve
104	Low Coast Modulator Valve
105	2-3 Shift Valve
106	Secondary Regulator Valve

OE Exploded View

Lower Valve Body • Type 3, EPC Style Shown Here

NOTE: Depending upon vehicle application, the OE springs shown may not be present.

Lower Valve Body Descriptions	
I.D. No.	Description
201	Accumulator Control Valve
202	Secondary Modulator Valve
203	Cutback Valve
204	Primary Regulator Valve & Boost Assembly
205	Converter Limit Valve
206	Manual Valve
207	1-2 Shift Valve

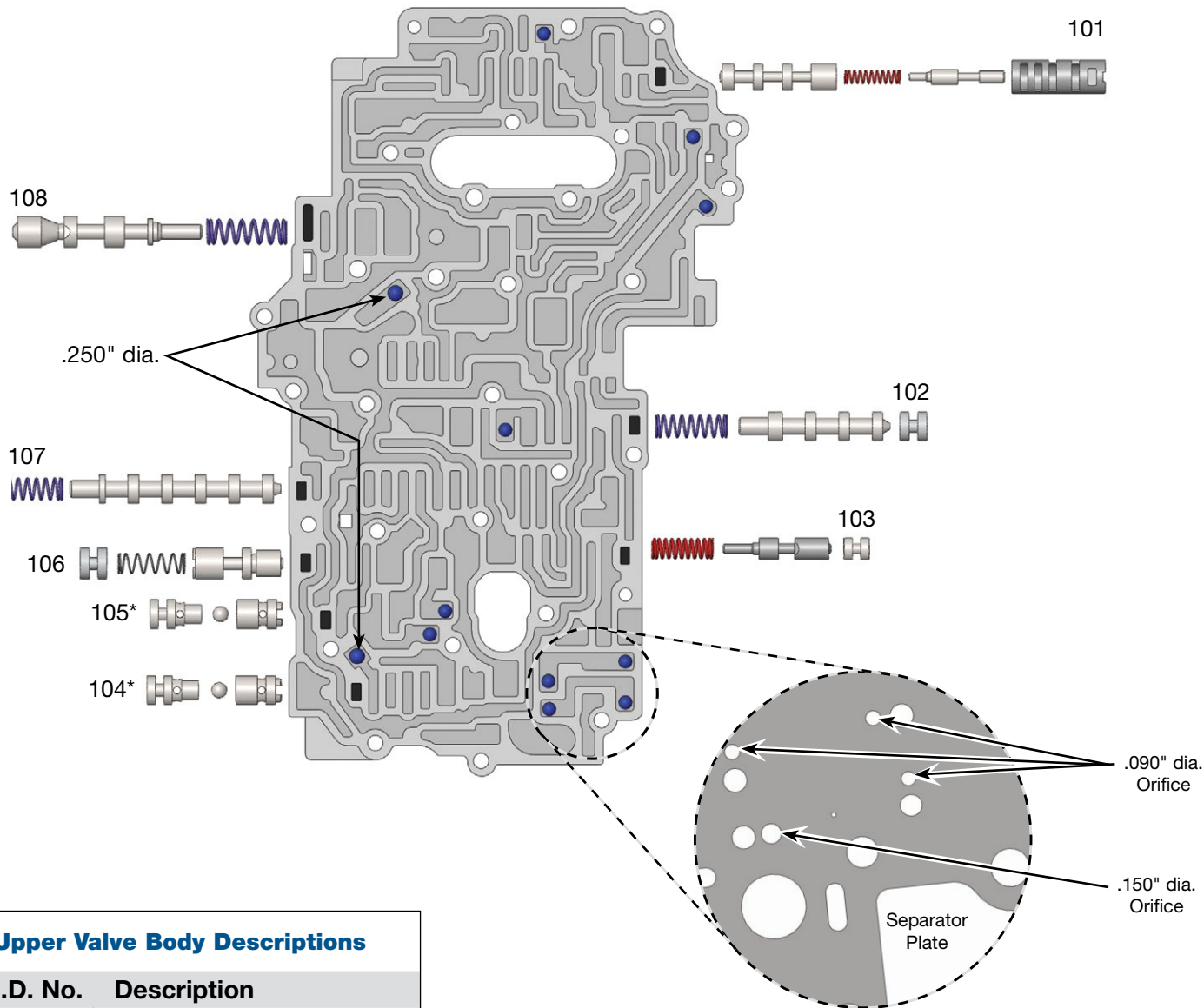


NOTE: Filters should be installed into the separator plate during assembly. The open end of the filter snaps into the plate opening.

OE Exploded View

Upper Valve Body • Type 4, EPC Style Shown Here

NOTE: Depending upon vehicle application, the OE springs shown may not be present.



Upper Valve Body Descriptions	
I.D. No.	Description
101	Lockup Relay Valve & Plunger Assembly
102	3-4 Shift Valve
103	2nd Coast Modulator Valve
104*	Check Valve
105*	Check Valve
106	Reverse Control Valve
107	2-3 Shift Valve
108	Secondary Regulator Valve
*Not in throttle cable style.	



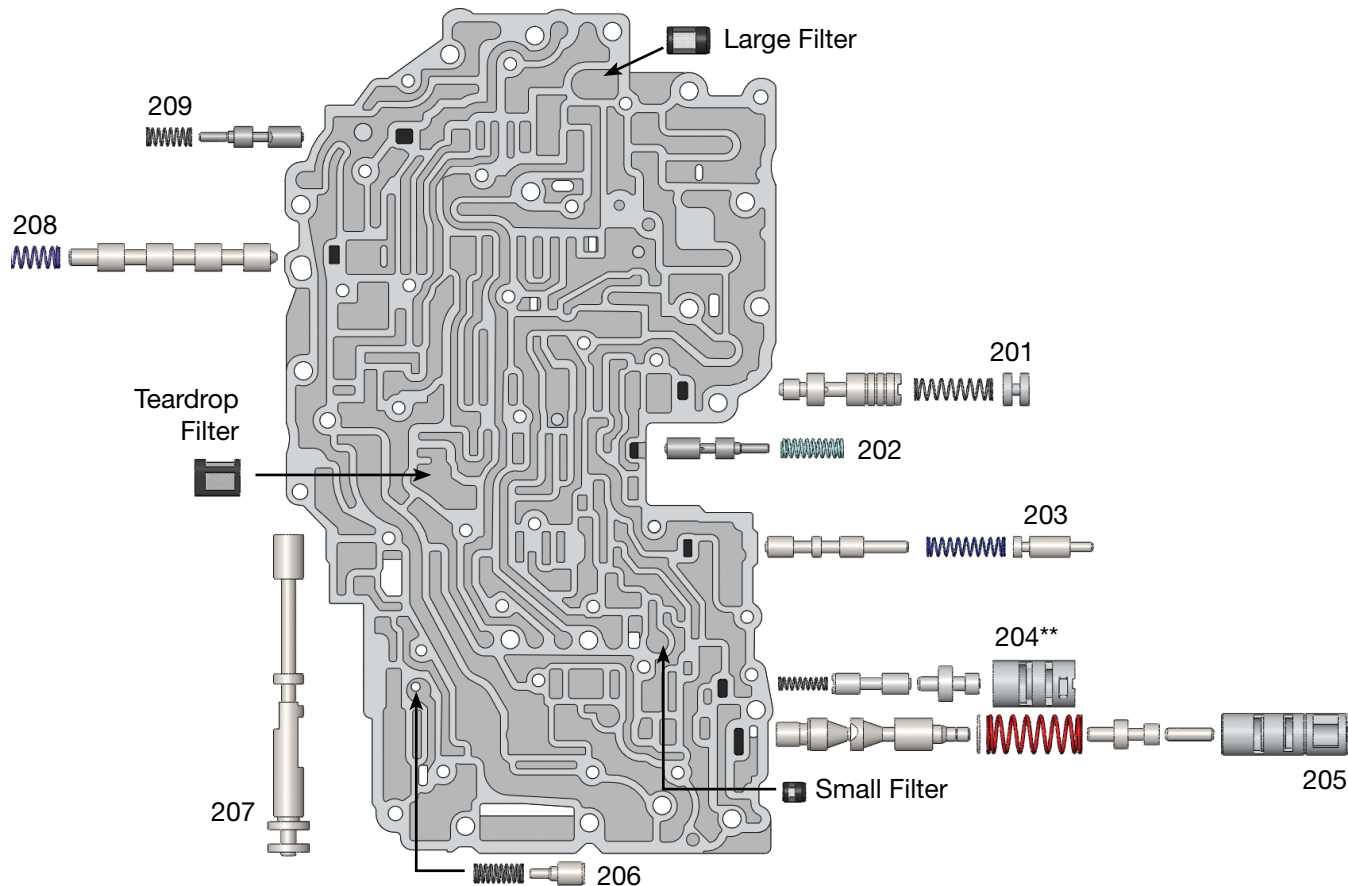
Checkball Cautions & Notes

- Care should be taken during disassembly. Note location of checkballs as usage varies greatly!
- When determining when a checkball is required, the circuit orifice in the separator plate over that location will be about .090" dia. When no ball is required, the orifice will be about .150" dia.
- All checkballs are .218" dia. except where noted (.250" dia.).

OE Exploded View

Lower Valve Body • Type 4, EPC Style Shown Here

NOTE: Depending on vehicle application, the OE springs shown may not be present.



Lower Valve Body Descriptions

I.D. No.	Description
201	Accumulator Control Valve
202	Secondary Modulator Valve
203	Cutback Valve
204**	TCC Control Valve & Plunger Assembly
205	Primary Regulator Valve & Boost Assembly
206	Converter Limit Valve
207	Manual Valve
208	1-2 Shift Valve
209	Low Coast Modulator Valve

**Not in all applications