sonnax 6T40-GEN2-3-ZIP Zip Kit® Available

Critical Wear Areas & Vacuum Test Locations 2

Drop-In Zip Valve™ Parts 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.





For specific vacuum test information, refer to individual part

Click on Sonnax part numbers to see more information.

3-5 Reverse Clutch **Regulator Valve**

- Burnt 3-5 Reverse clutch
- Delayed Reverse
- 3rd & 5th Concerns
- 2-3 & 4-5 Flare

2-6 Clutch **Regulator Valve**

- Burnt 2-6 clutch
- 2nd & 6th Concerns
- 1-2 & 5-6 Flare

1-2-3-4 Clutch **Regulator Valve**

- Burnt 1-2-3-4 clutch
- Delayed Forward
- 1-2-3-4 Concerns

1-2-3-4 Clutch **Boost Valve**

- Burnt 1-2-3-4 clutch
- Delayed Forward
- 1-2-3-4 Concerns

Low/Reverse 4-5-6 Clutch **Regulator Valve**

- Burnt Low/Reverse & 4-5-6 clutch
- Delayed Reverse
- 4-5-6 Concerns
- 3-4 Flare

Low/Reverse 4-5-6 **Boost Valve**

- Burnt Low/Reverse & 4-5-6 clutch
- Delayed Reverse
- 4-5-6 Concerns
- 3-4 Flare



instructions included in kits and available at www.sonnax.com.

Default Override Valve

Engagement concerns in Reverse when in failsafe or default.

NOTE: Look in bore for visual wear.

TCC Regulator 38 **Apply Valve**

- Code P0741, 742
- No Lockup
- TCC slip
- · Loss of fuel economy
- Low TCC apply pressure
- Overheated fluid & TCC lining
- Harsh TCC apply

Replace with Sonnax Part Nos. 144740-38K or 144740-16K Requires

F-144740-TL16 & VB-FIX

Clutch Select Valve

- Various shift concerns
- Shift codes

Actuator Feed % **Limit Valve**

- No 4th, 5th or 6th
- Low clutch oil pressure
- Harsh/Flare shifts

Replace with Sonnax Part Nos. 144740-39K or

144740-01 Requires 144740-TL

O-Ringed End Plugs %

- Pressure loss
- Burnt clutches
- Shift concerns
- TCC apply concerns

NOTE: Vacuum test end plugs at outboard port while sealing bore opening with thumb.

Replace with Sonnax Part No.

144510-14K* NOTE: Several Locations = +

* Part numbers with an asterisk (*)

are included in this Zip Kit.



Critical Wear Areas & Vacuum Test Locations 2

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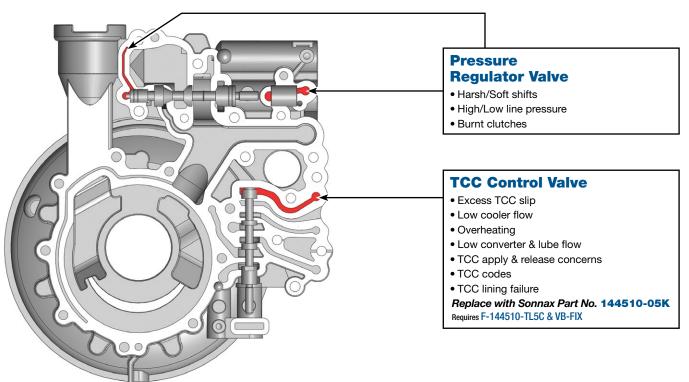
Pump Body • Gen. 2 6T40 Shown

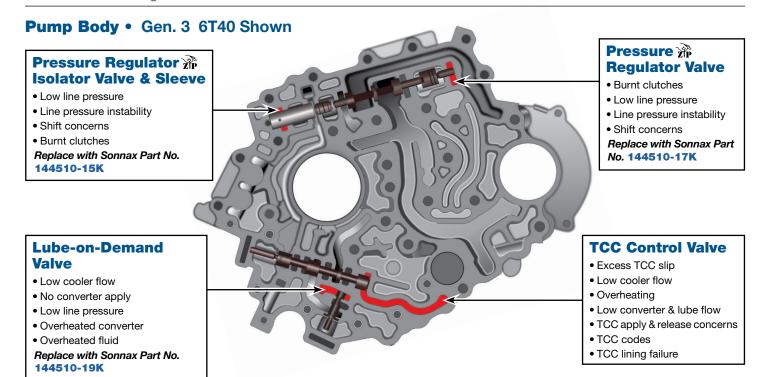


For specific vacuum test information, refer to individual part instructions included in kits and available at www.sonnax.com.

Click on Sonnax part numbers to see more information.

Parts Available



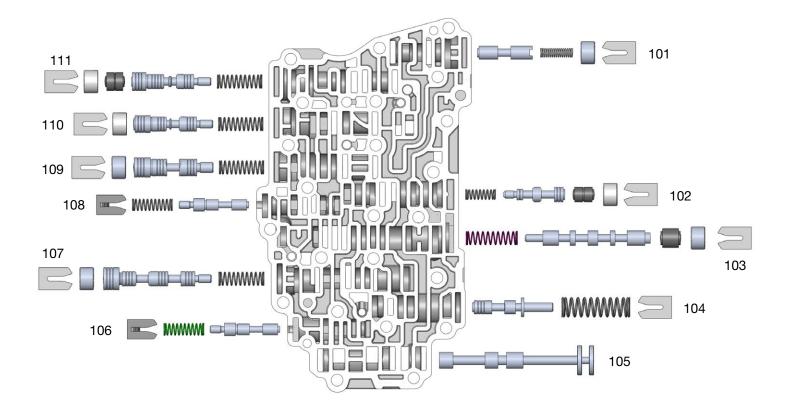




OE Exploded View

Control Valve Body Assembly • Gen. 2 6T40 Shown

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



Control Valve Body Assembly Descriptions	
I.D. No.	Description
101	Default Override Valve
102	TCC Regulator Apply Valve
103	Clutch Select Valve (inboard) Shuttle Valve (outboard)
104	Actuator Feed Limit Valve
105	Manual Valve
106	Low/Reverse 4-5-6 Boost Valve
107	Low/Reverse & 4-5-6 Clutch Regulator Valve
108	1-2-3-4 Clutch Boost Valve
109	1-2-3-4 Clutch Regulator Valve
110	2-6 Clutch Regulator Valve
111	3-5 Reverse Clutch Regulator Valve



OE Exploded View

Pump Body • Gen. 2 6T40 Shown

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

