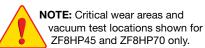


Critical Wear Areas & Vacuum Test Locations Zip

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.

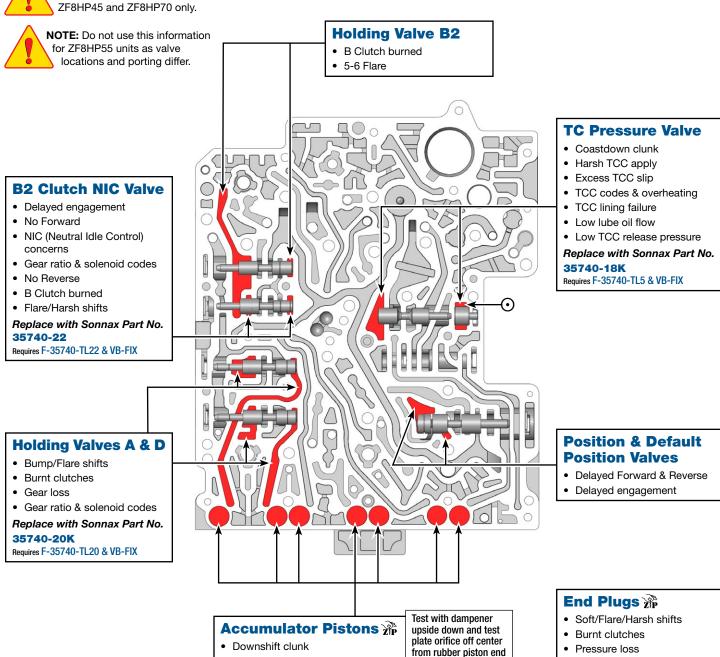
Upper Valve Body • ZF8HP45 Shown





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.



· Firm shifts

· Erratic EDS solenoid control and/or EDS codes

Patent No. 8 794 108

Replace with Sonnax Part No.

95740-15K Contains 7 sets

Replace with Sonnax Part No.

35740-30K

End Plugs (3) = \bigcirc

Internal End Plugs (8) =



Critical Wear Areas & Vacuum Test Locations Zip

Test both

passages

together.

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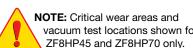
Drop-In Zip Valve™ **Parts Available**

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.

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.

Lower Valve Body • ZF8HP45 Shown



vacuum test locations shown for

NOTE: Do not use this information for ZF8HP55 units as valve locations and porting differ.

Main PR Sleeve 🛣

• Erratic/High line pressure

· Harsh shifts

TC Switch Valve

- No lockup No TCC release Engine stall
- TCC codes Excess TCC slip
- Premature TCC apply
 Soft/Harsh TCC apply

Test both

nassages together.

Test both

passages

together.

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Replace with Sonnax Part No. 35740-05 Requires F-35740-TL5 & VB-FIX

TCC Valve

- Converter shudder & TCC slip TCC codes
- Overheated converter
 Poor fuel economy

Replace with Sonnax Part No. 35740-13K Requires F-35740-TL13 & VB-FIX

Replace with Sonnax Part No. 35740-03

· Restricted converter/lube flow

Close this passage on the other side with the palm of your hand.

Main PR Valve

- · Harsh/Soft shifts
- Erratic/High line pressure
- · Burnt clutches
- · Restricted converter/lube flow

Replace with Sonnax Part No. 35740-01K

Requires F-35740-TL & VB-FIX

- · Slip on take off
- Gear ratio errors

Close port on

B Clutch burned

Clutch Valve B1

opposite side when testing.

Holding Valves B1, C & E

- Bump/Flare shifts
- Burnt clutches Gear loss
- Gear ratio & solenoid codes

Replace with Sonnax Part No. 35740-20K

Requires F-35740-TL20 & VB-FIX

Park Pawl Release Valve

- · Park will not release
- Park position errors

NOTE: These 2 locations suitable for vacuum testing OE valve & 35740-21K ONLY NOT suitable location to

check 35740-37K.

Remove spring when testing. Center valve spool in opening.

Clutch Valve C

- · Slip on take off
- · Gear ratio codes
- C Clutch burned

Clutch Valve E

- E Clutch burned

Clutch Valve D

- · Gear ratio errors 4-8th Gears
- Slips in Reverse
- D Clutch burned

Clutch Valve A

- Slip in Drive or Reverse
- Gear ratio codes
- A Clutch burned

Priming Valve

- Delayed engagement Wrong gear starts
- Gear loss Flare/Harsh/Neutral shifts
- Gear ratio & solenoid codes

Replace with Sonnax Part No.

35740-37K Priming Valve & Seal Kit or 35740-21K Oversized Priming Valve Requires

F-35740-TL20 & VB-FIX

- Slip on 1-2
- Gear ratio codes

End Plugs

- Soft/Flare/Harsh shifts
- Burnt clutches Pressure loss

Replace with Sonnax Part No. 35740-30K

End Plugs (3) = (•)

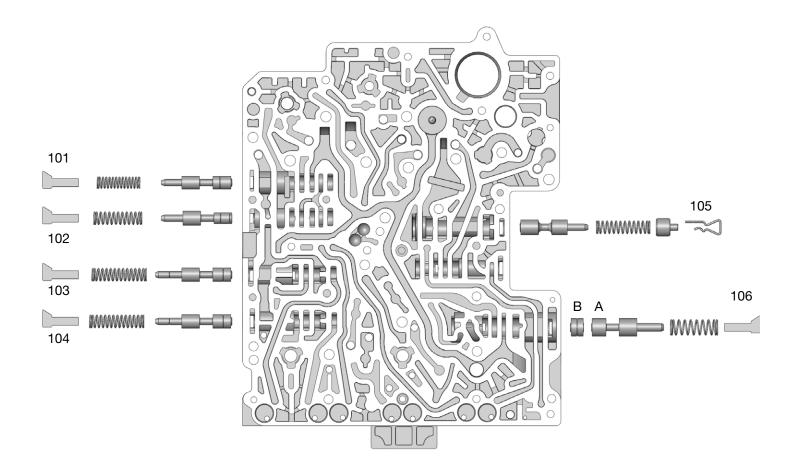




OE Exploded View

Upper Valve Body • ZF8HP45 Shown

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



Upper Valve Body Descriptions					
I.D. No.	Description	ZF Chrysler Valve Name			
101	Holding Valve B2	HV-B2	HV-B2		
102	Clutch Valve B2 - B Clutch NIC (Neutral Idle Control)	KV-B2	CV-B2		
103	Holding Valve A	HV-A	HV-A		
104	Holding Valve D	HV-D HV-D			
105	Torque Converter Pressure Valve	WD-V	TC-V		
106	A Position Valve (Outboard)	Pos-V	Pos-V		
	B Default Position Valve (Inboard)	PosD-V	PosD-V		



OE Exploded View

Lower Valve Body • ZF8HP45 Shown

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

Lower Valve Body Descriptions					
I.D. No.	Description	ZF Valve Name	Chrysler Valve Name		
201	Main Pressure Regulator Valve & Sleeve	SYS-DR-V	A LP-V (Inboard) B RED-V (Outboard)		
202	Torque Converter Switch Valve	SV-WD	SV-TC		
203	Torque Converter Clutch Valve	WK-V	TCC-V		
204	Clutch Valve B1	KV-B1	CV-B1		
205	Holding Valve B1	HV-B1	HV-B1		
206	Priming Valve	DR-RED-V	PR-V		
207	Park Pawl Release Valve	PS-V	Park-V		
208	Holding Valve C	HV-C	HV-C		
209	Clutch Valve C	KV-C	CV-C		
210	Clutch Valve E	KV-E	CV-E		
211	Holding Valve E	HV-E	HV-E		
212	Clutch Valve D	KV-D	CV-D		
213	Clutch Valve A	KV-A	CV-A		

