### **FORD 6R140**

# **Critical Wear Areas & Vacuum Test Locations**

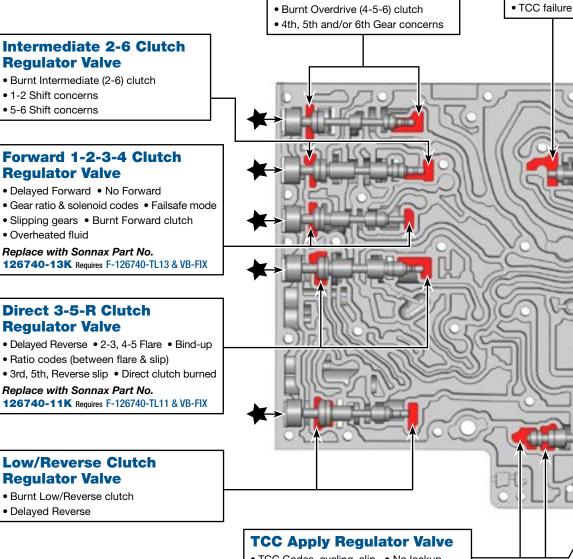
**NOTE:** OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear and Sonnax parts noted for replacement.

**Regulator Valve** 

**Overdrive 4-5-6 Clutch** 

## **Upper Valve Body**

**NOTE:** Worm tracks vary depending upon model year, but vacuum test locations are all the same.



#### End Plugs, Multiple Locations

• Flare shifts • Harsh shifts • Soft shifts

Pressure loss
 Burnt clutches

**NOTE:** Check visually for end plug deterioration or bore wear.

Replace with Sonnax Part No. 126740-09K NOTE: Several Locations =  $\bullet$  TCC Codes, cycling, slip  $\bullet$  No lockup

- Overheated fluid 
  Loss of fuel economy
- Low cooler & lube pressure

Replace with Sonnax Part No. 126740-15K Requires F-126740-TL15 and VB-FIX

#### **TCC Apply Boost Valve**

6R140-ZIP Zip Kit<sup>®</sup> Available

**TCC Charge Control Valve** 

• Low/High converter apply pressure

- TCC Codes, cycling, slip
  No lockup
- Overheated fluid Loss of fuel economy
- Low cooler & lube pressure
- Replace with Sonnax Part No.
- 126740-03K

#### Click on Sonnax part numbers to see more information.

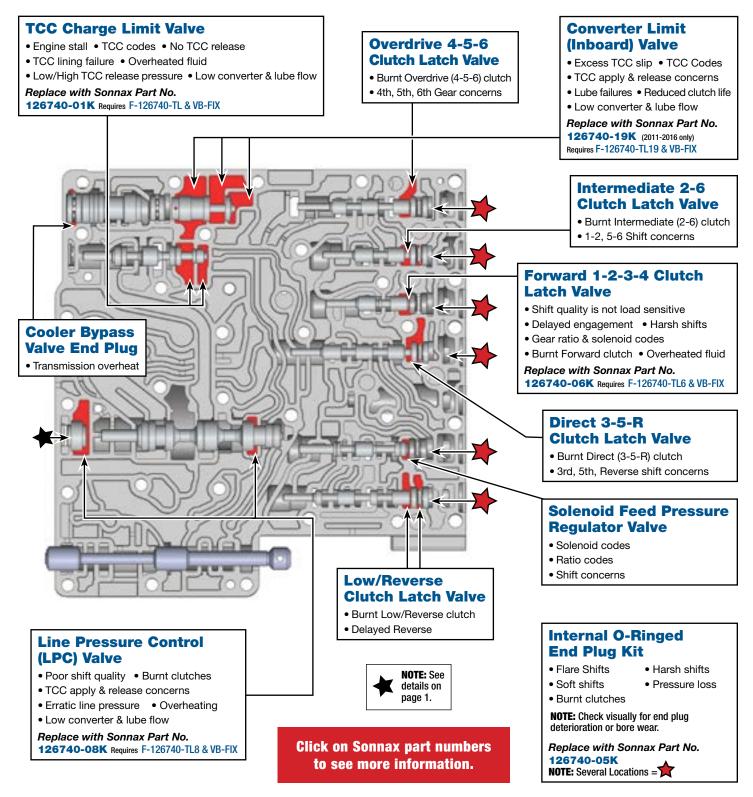
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### **FORD 6R140**



**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 noted for replacement.

### **Lower Valve Body**



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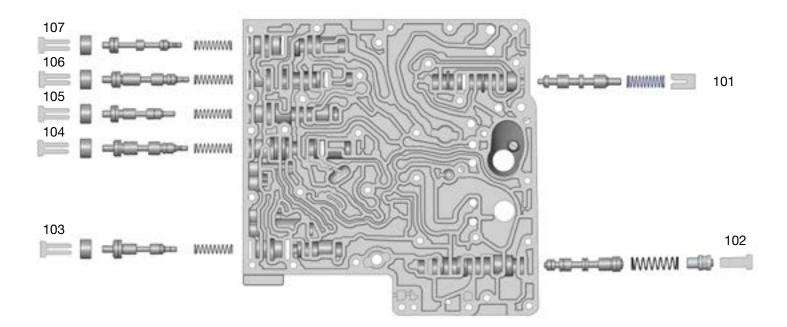
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# **OE Exploded View**

## **Upper Valve Body**



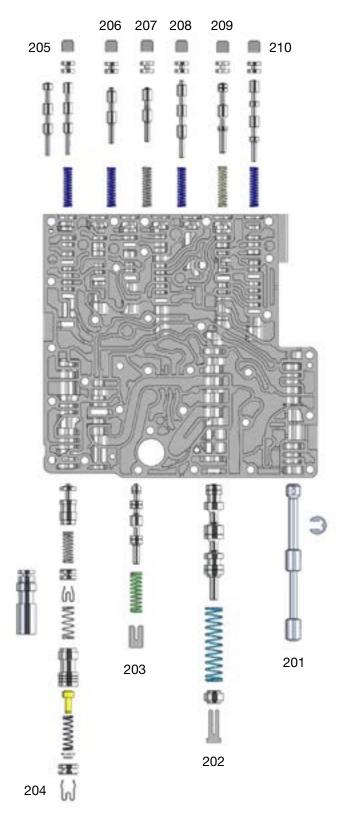
Upper Valve Body Descriptions		
I.D. No.	Description	
101	TCC Charge Control Valve	
102	TCC Apply Regulator Valve	
103	Low/Reverse Clutch Regulator Valve	
104	Direct 3-5-R Clutch Regulator Valve	
105	Forward 1-2-3-4 Clutch Regulator Valve	
106	Intermediate 2-6 Clutch Regulator Valve	
107	Overdrive 4-5-6 Clutch Regulator Valve	

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# **OE Exploded View**

### **Lower Valve Body**



Lower Valve Body Descriptions		
I.D. No.	Description	
201	Manual Valve	
202	Line Pressure Control (LPC) Valve	
203	TCC Charge Limit Valve	
204	Converter Limit (Inboard)	
	Cooler Bypass (Outboard, 2011-2016)	
	Cooler Bypass Blocker Valve (2017-later)	
205	Overdrive 4-5-6 Clutch Latch Valve	
206	Intermediate 2-6 Clutch Latch Valve	
207	Forward 1-2-3-4 Clutch Latch Valve	
208	Direct 3-5-R Clutch Latch Valve	
209	Solenoid Feed Pressure Regulator Valve	
210	Low/Reverse Clutch Latch Valve	

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