



# Technical Service Information

## FORD 5R55S VALVE BODY CHANGES FOR 2009 AND UP MODELS

**CHANGE:** Beginning in the 2009 model year, Ford vehicles equipped with the 5R55S transmission were fitted with a new designed Valve Body and spacer plate.

**REASON:** For better durability and function.

**PARTS AFFECTED:**

**VALVE BODY BONDED SPACER PLATE:**

The bonded spacer plate had changes made to it to accommodate the changes made to the hydraulic passages in the Valve body casting. **Note:** This spacer plate was also revised again for 2009 and 2010 Explorer and Mountaineer to eliminate a whistling noise in all ranges above 170°F. See Figure 1 for identification of the latest design spacer plate.

**VALVE BODY CASTING:**

The valve body casting had changes made to the hydraulic passages of Variable Force Solenoid 1 and 2 and Line pressure passages, as shown in Figure 2. Figure 2 also shows the Rough Forging numbers for identification.

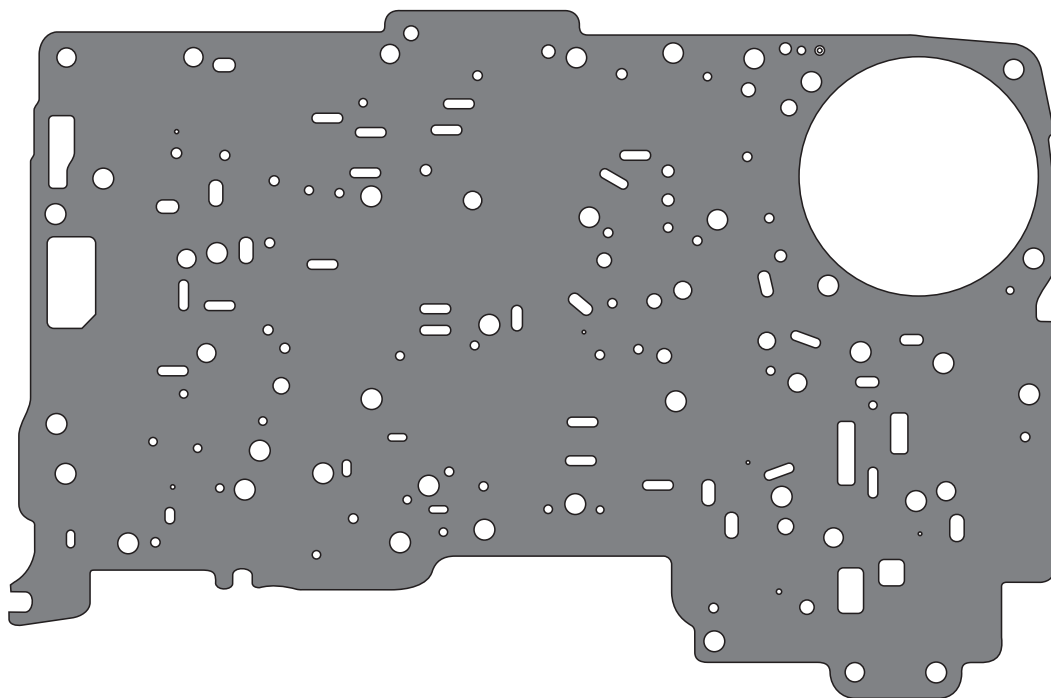
**INTERCHANGEABILITY:**

None of the 2009 Valve Body and Spacer plate parts will retrofit to earlier applications. Refer to Figure 3 and note that ATSG has already encountered shops using the 2009 Bonded spacer plate on a previous design valve body. Figure 3 shows a view of the 2009 pacer plate overlaying the case passages and note how the additional hole, connects a Line pressure passage to the VFS2 circuit. This is also explained in a partial hydraulic circuit diagram in Figure 4. This can cause a complaint of a harsh 1-2 up shift and a 2-3 up shift flare .

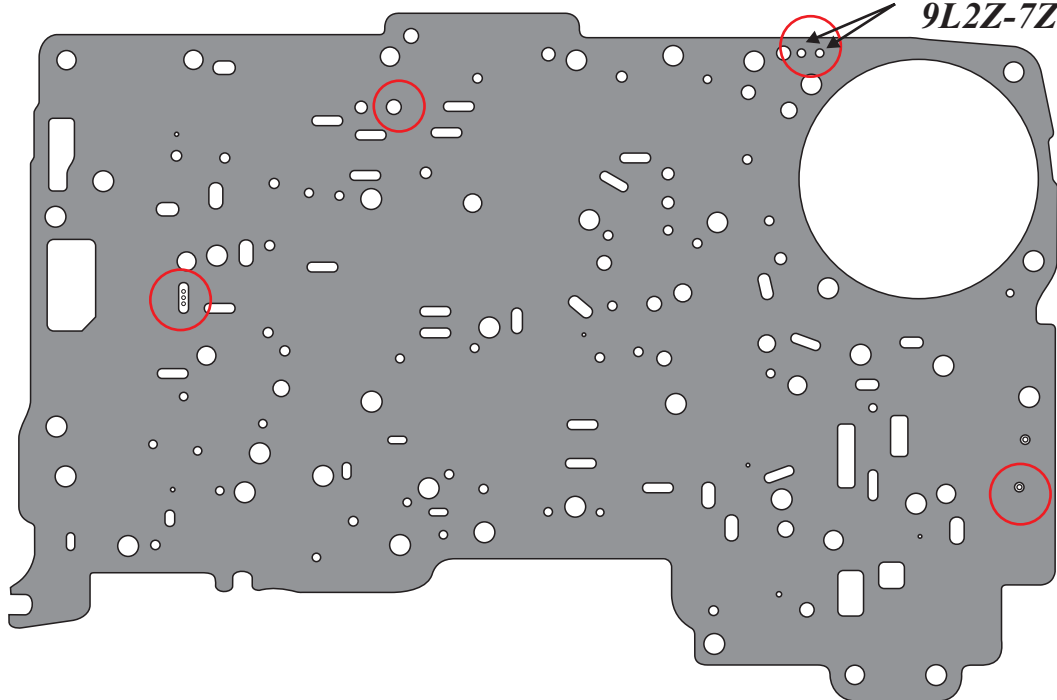
**SERVICE INFORMATION:**

VALVE BODY BONDED SPACER PLATE.....9L2Z-7Z490-B

## PREVIOUS DESIGN



## NEW DESIGN

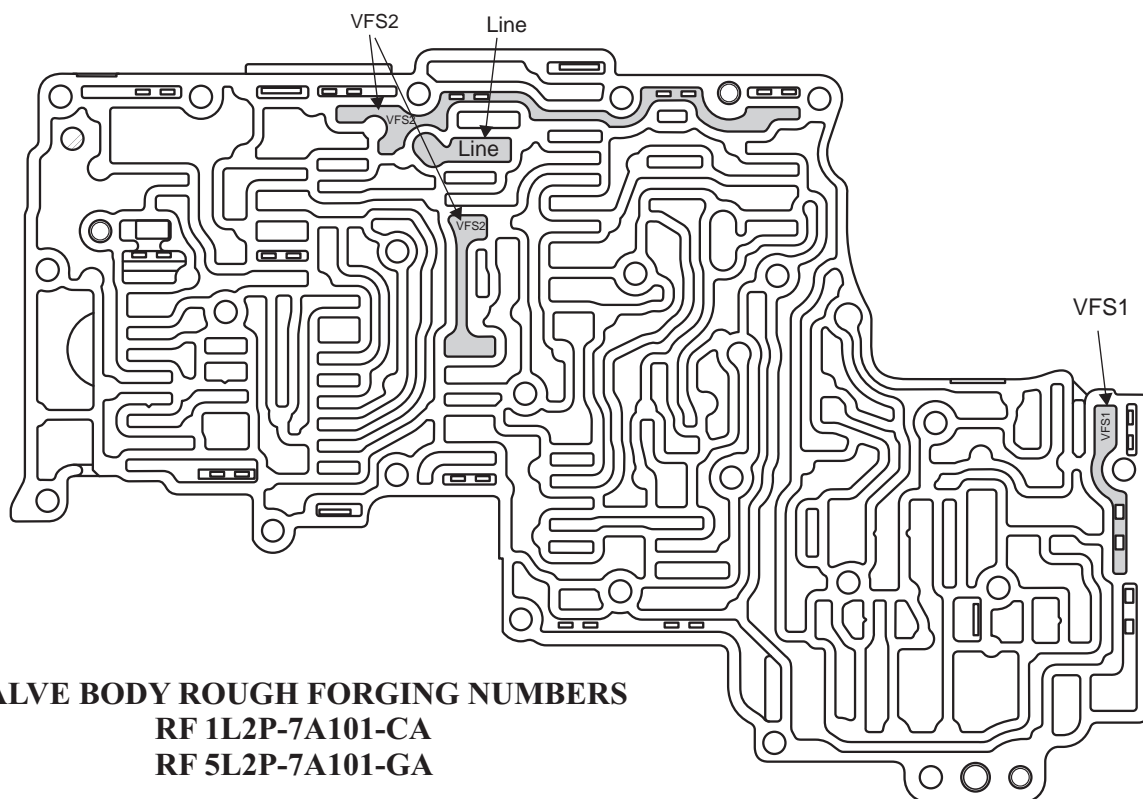


*Two holes thru the plate  
indicates updated plate  
9L2Z-7Z490-B*

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Figure 1

## PREVIOUS DESIGN VALVE BODY CASTING

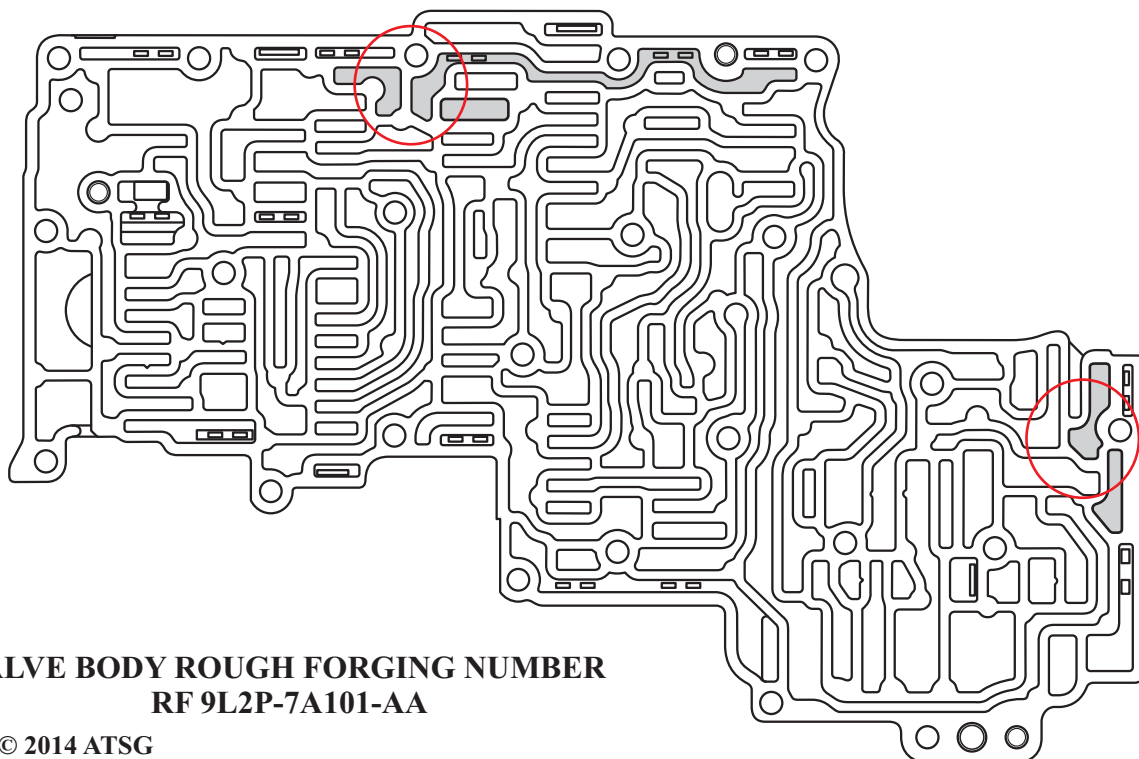


### VALVE BODY ROUGH FORGING NUMBERS

RF 1L2P-7A101-CA

RF 5L2P-7A101-GA

## NEW DESIGN VALVE BODY CASTING



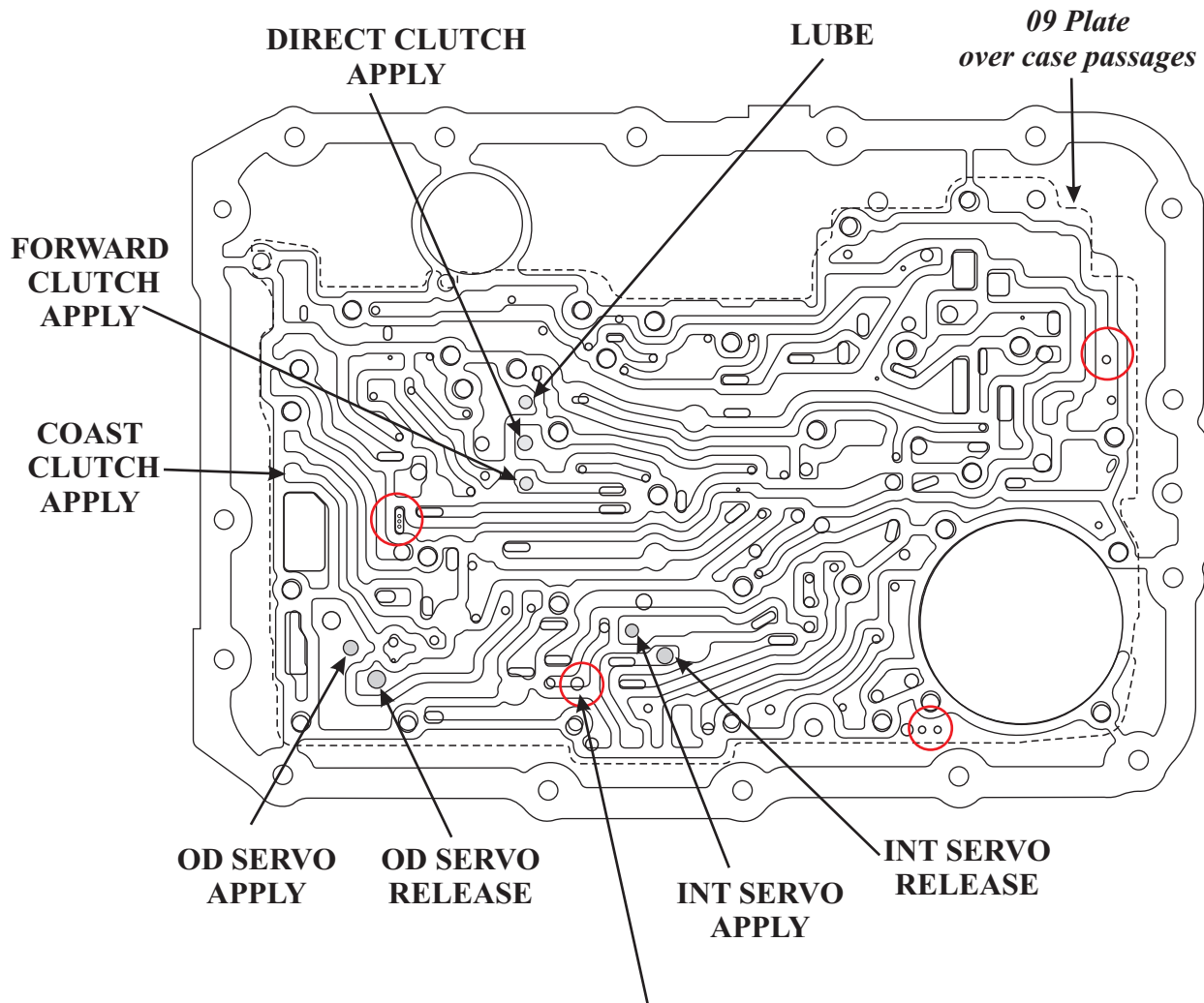
### VALVE BODY ROUGH FORGING NUMBER

RF 9L2P-7A101-AA

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Figure 2

## 2009 SPACER PLATE OVER CASE PASSAGES



*This hole connects  
Line pressure to  
VFS2 thru the  
case passage*

*Note: The dotted line indicates the spacer plate outline*

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Figure 3

