



FORD 5R110W

NO MOVE CONDITION

COMPLAINT: During the rebuild procedure a 2006 5R110W which required pump replacement, the vehicle now exhibits a no move condition. A line pressure check revealed line pressure to be 150 PSI. With the transmission removed, the torque converter was pulled out only to find that it was empty. This would explain the no move but further inspection would be necessary to find out why the converter did not fill.

CAUSE: The replacement pump came in separate pieces which were incompatible, the differences between the 2003 - 2004 pump components as compared to the 2005 - 2008 pump components can be seen in figure 1. The pump cover and spacer plate was a 2005, while the pump body was a 2003 component. This combination allows the pressure regulator valve to feed limit valve passage to be blocked causing the converter not to fill. The 2003 - 2004 pump cover hydraulics indicates a CRDB oil circuit that is between the pressure regulator valve and the converter pressure limit valve as shown in figure 2. The 2005 to 2008 pump cover does not have that circuit as shown in figure 3.

CORRECTION: A 2005 pump cover was obtained which now allowed the converter to fill resulting in vehicle movement.

A very special thank you to Dean Mason and Superior Transmission Parts for the information that made this bulletin possible.



Figure 1

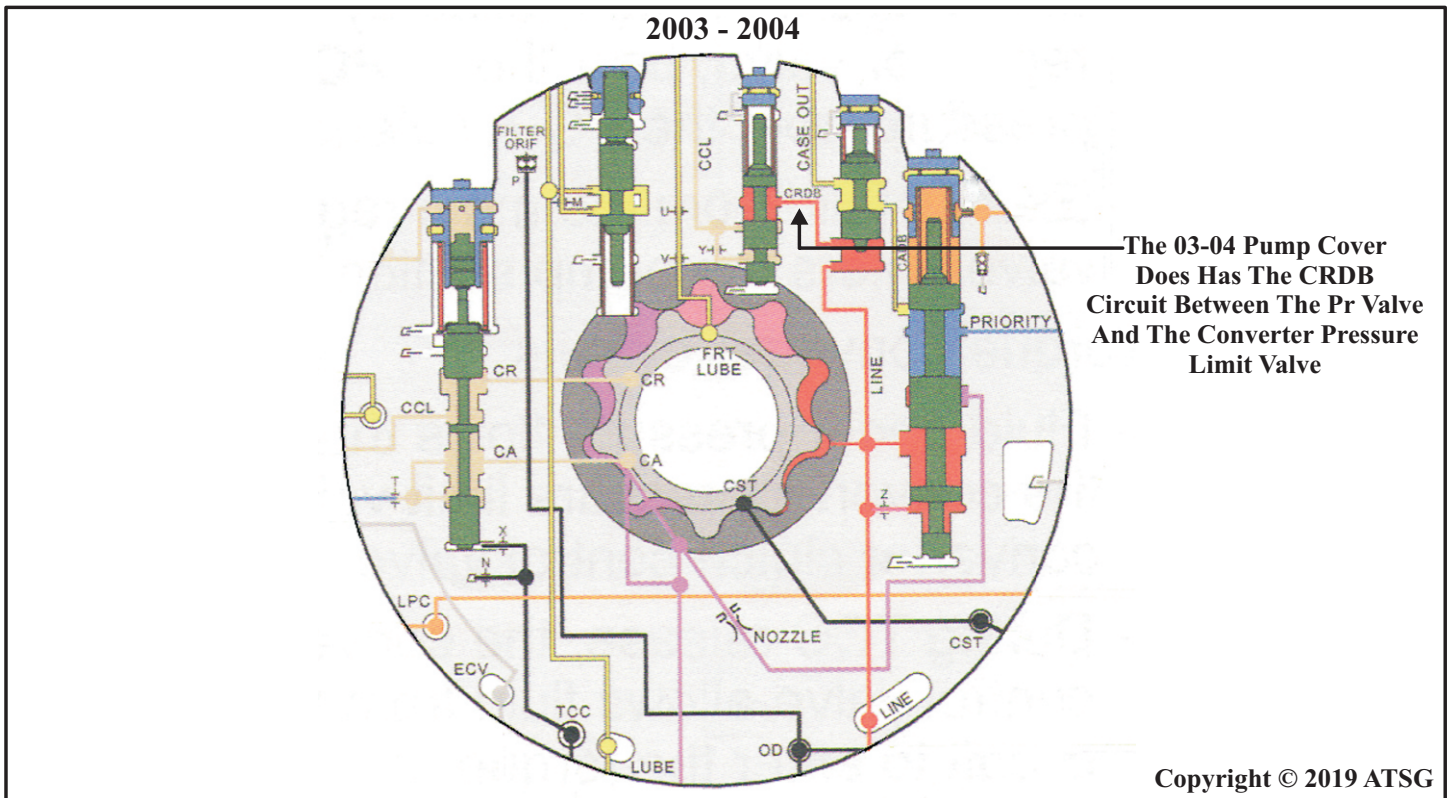


Figure 2

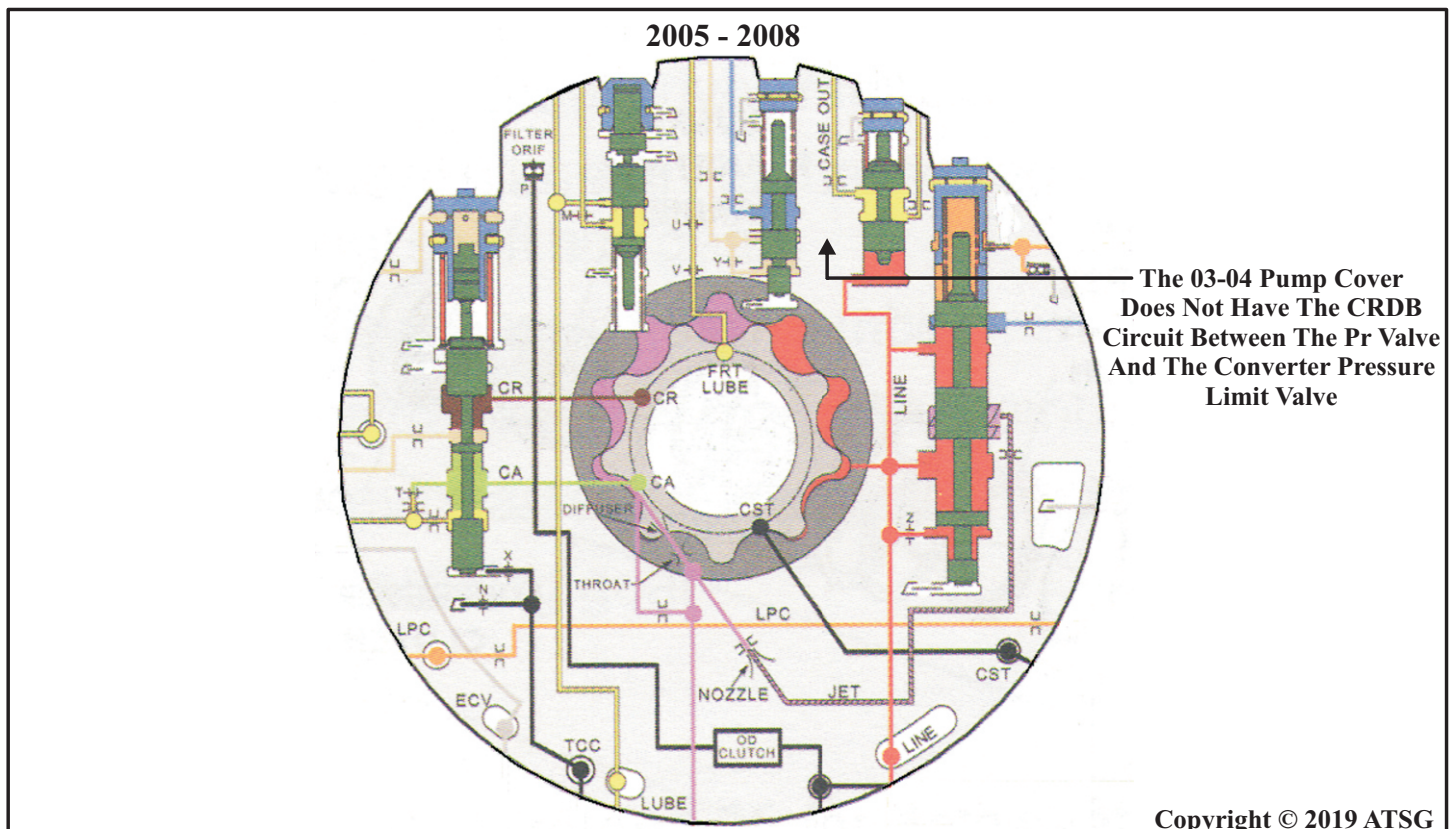


Figure 3