

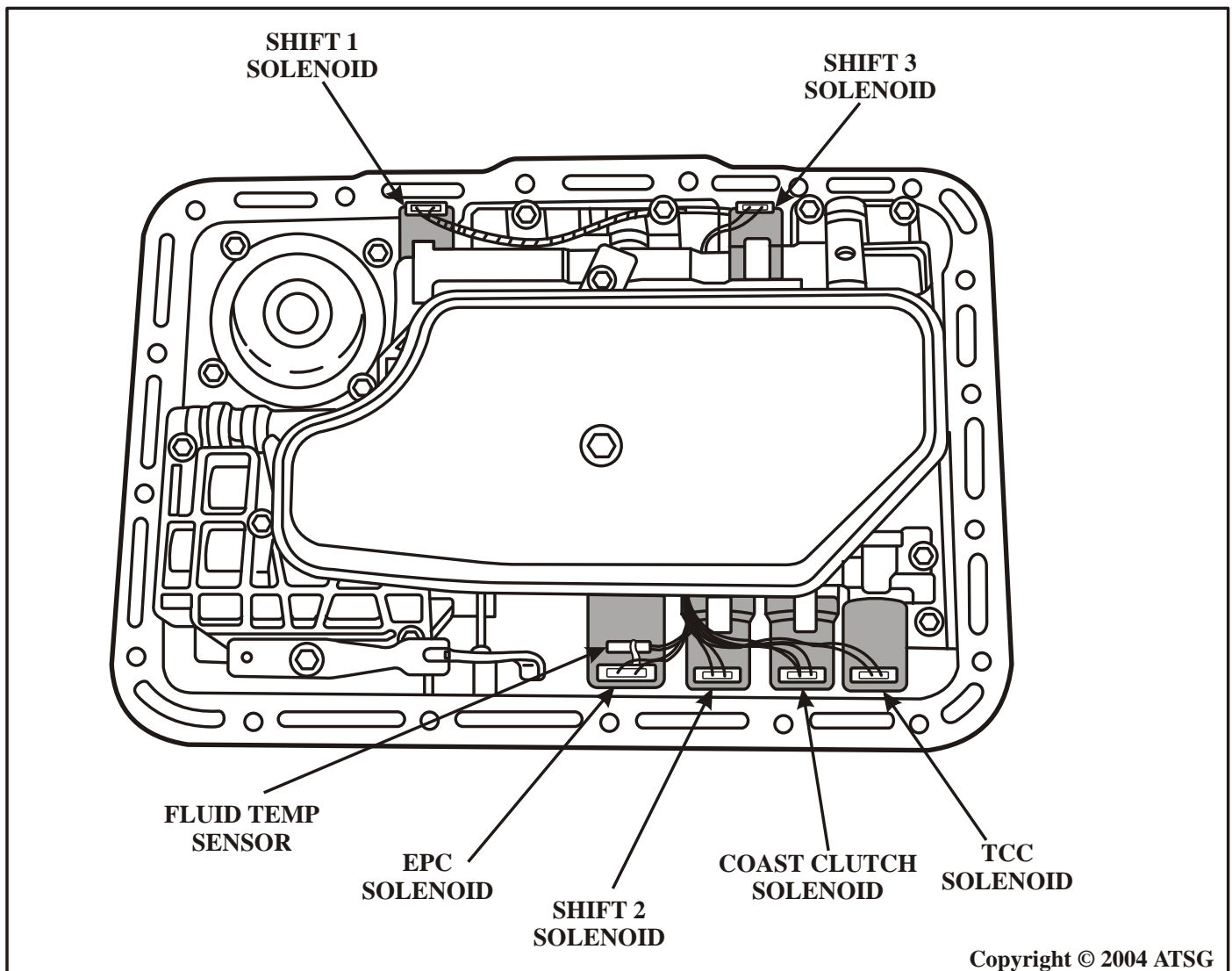
FORD 5R55E 2-3 FLAIR

COMPLAINT: Some vehicles equipped with the 5R55E transmissions may exhibit a flare on the 2-3 upshift, before and/or after overhaul.

CAUSE: One cause may be, a mechanically sticking No. 2 shift solenoid.

REASON: On a 2-3 up shift the overdrive band has to release and the intermediate band has to apply at the same time. If the No. 2 shift solenoid is stuck open the transmission will fall back to 1st then up shift into 3rd creating the flare shift feeling. Proper operation of shift solenoid is shown in Figure 2

CORRECTION: Replace shift solenoid No. 2 as shown in Figure 1



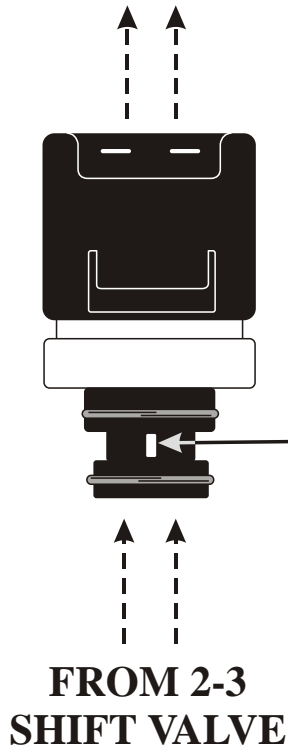
Copyright © 2004 ATSG

Figure 1

SHIFT SOLENOID NO. 2 OPERATION

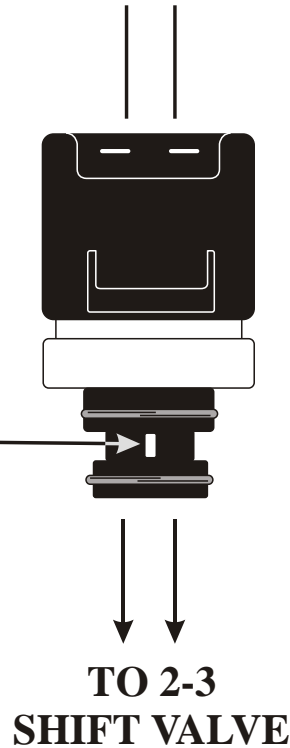
SOLENOID OFF

EXHAUSTED



SOLENOID ON

BLOCKED



Shift solenoid no. 2 is a normally open solenoid. When it is OFF, oil from the 2-3 shift valve exhausts out the backside. When the solenoid is ON the exhaust closes and the 2-3 shift valve is stroked.

Copyright © 2004 ATSG

Figure 2