FORD 4R44E/4R55E

CASE CONNECTOR PIN IDENTIFICATION AND RESISTANCE CHARTS

COMPLAINT: Somehow, the internal wires that go through the transmission case connector get removed or disconnected from the internal side of the connector, and no one has a hint as to which cavities they must be put back into.

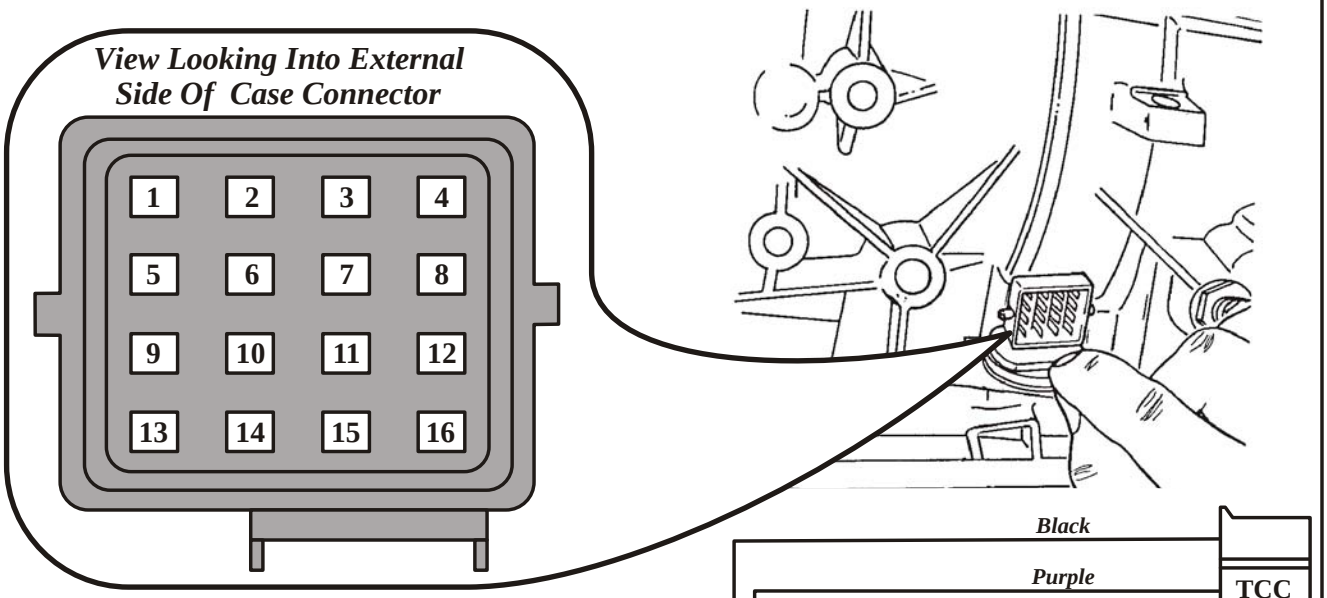
CAUSE: Ford Motor Company did not provide any type of locking tab on the wire terminals where the wires plug into the case connector on the internal side of the case connector. Extreme care must be used when removing the valve body to ensure that the wire terminals are not accidently pulled out of the case connector.

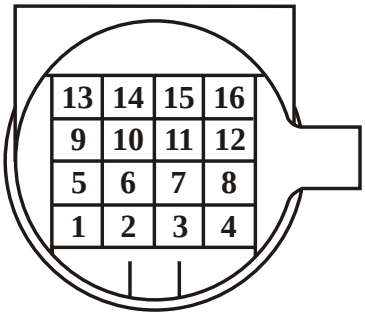
CORRECTION: The cause does not really matter at this point, we must get it back together. There is a connector pin identification chart in Figure 1. There is an internal wire schematic that includes the internal wire colors and which cavities that they belong in, illustrated in Figure 2. Also in Figure 2 is the resistance chart for all of the internal electrical components for this unit. Figure 3 identifies the location of all of the solenoids and fluid temperature sensor on the valve body.

PIN	WIRE COLOR	DESCRIPTION
1	*BLACK*	*CONVERTER CLUTCH SOLENOID (12V IN)*
2	*RED*	*TURBINE SHAFT SENSOR*
3	*WHITE*	*TURBINE SHAFT SENSOR*
4	*RED*	*TRANS FLUID TEMP*
5	*PURPLE*	*CONVERTER CLUTCH SOLENOID (GROUND)*
6	*NOT USED*	*NOT USED*
7	*YELLOW*	*SHIFT SOLENOID 3 (GROUND)*
8	*RED*	*TRANS FLUID TEMP*
9	*ORANGE*	*COAST CLUTCH SOLENOID (GROUND)*
10	*WHITE*	*SHIFT SOLENOID POWER 12V (CCS, SS1, SS2, SS3)*
11	*GREEN*	*ELECT. PRESSURE CONTROL (VOLTAGE)*
12	*BLUE*	*ELECT. PRESSURE CONTROL (GROUND)*
13	*NOT USED*	*NOT USED*
14	*BROWN*	*SHIFT SOLENOID 2 (GROUND)*
15	*NOT USED*	*NOT USED*
16	*GRAY*	*SHIFT SOLENOID 1 (GROUND)*

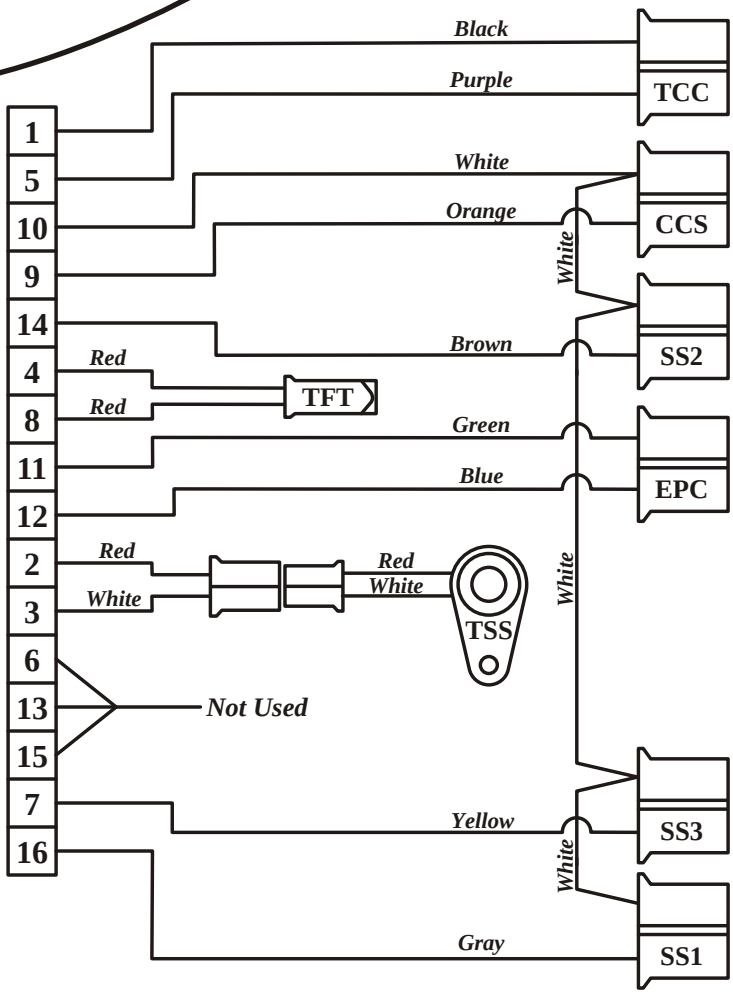
Wire Colors May Vary!

Figure 1





View Looking At Internal Side Of Case Connector



Wire Colors May Vary!

TFT Sensor Resistance Chart

°C	*°F*	*Ohms Resistance*
0-20	32-68	100k-37k
21-40	69-104	37k-16k
41-70	105-158	16k-5k
71-90	159-194	5k-2.7k
91-109	195-230	2.7k-1.5k
110-130	231-266	1.5k-0.8k
131-150	267-302	0.8k-0.5k

Solenoid Resistance Chart

Component	*Ohms*	*Pin Numbers*
Shift Solenoid 1	22-48	10 And 16
Shift Solenoid 2	22-48	10 And 14
Shift Solenoid 3	22-48	10 And 7
Coast Clut Solenoid	22-48	10 And 9
EPC Solenoid	3.1-5.7	11 And 12
TCC Solenoid	8.9-16.0	1 And 5
TSS Sensor	64-120	2 And 3
TFT Sensor	See Chart	4 And 8

Figure 2

FORD 4R44E/4R55E SOLENOID LOCATIONS

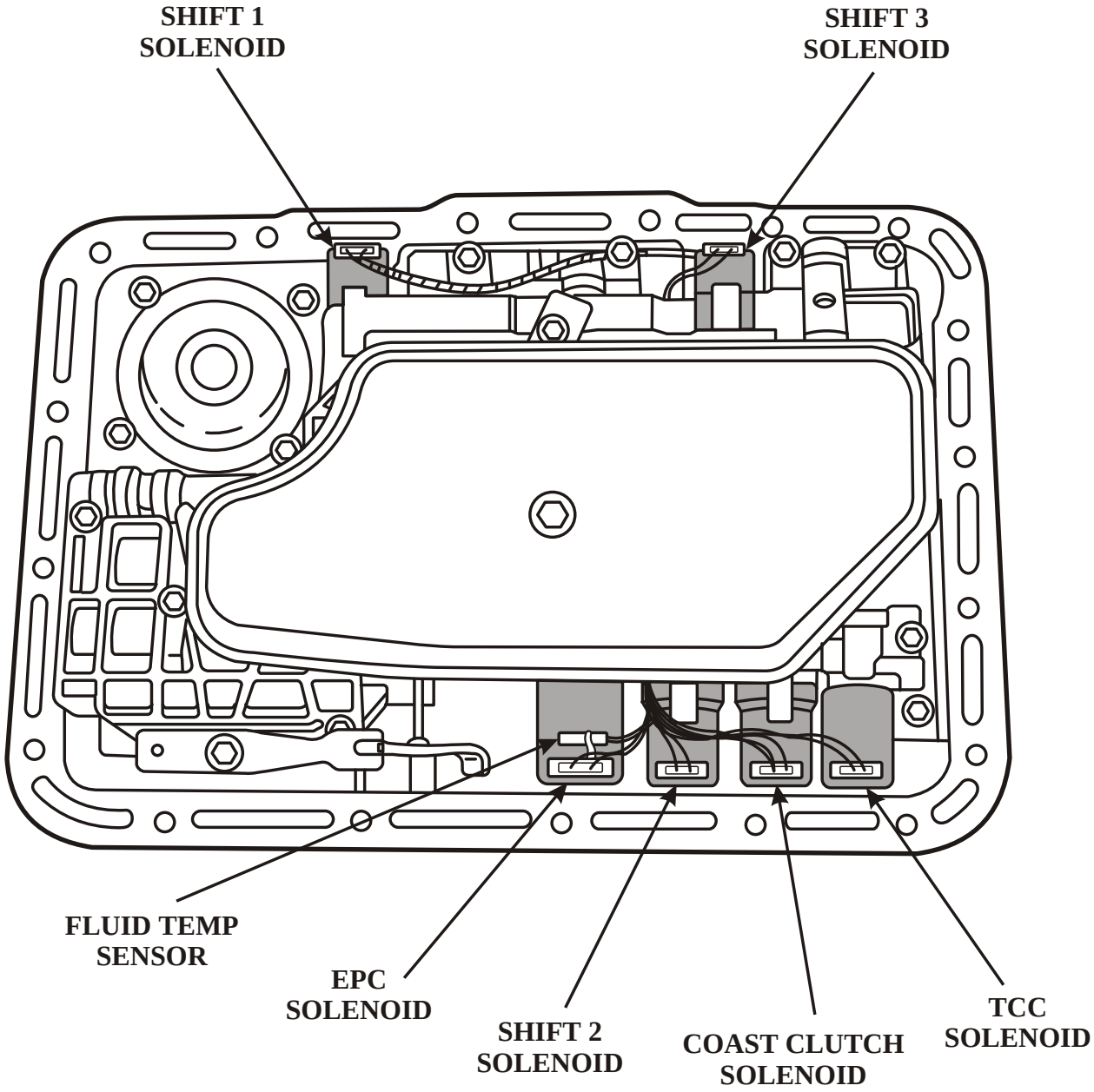


Figure 3