



Technical Service Information

FORD CD4E

TCC SOLENOID MEASURES HIGH RESISTANCE AND RESISTANCE CHART FOR ALL SOLENOIDS

COMPLAINT: When checking resistance values on the solenoid pack on 1995 CD4E transaxles during rebuild, the TCC Solenoid shows a resistance value well above the specification shown in the service manuals.

CAUSE: Some 1995 CD4E transaxles, built after May 1995, were assembled with solenoid bodies that contain a **high impedance** TCC Solenoid, is identified with a Natural/Beige colored case connector, and has a resistance value of 12.5 - 19.0 ohms.
The previous design solenoid bodies contain a **low impedance** TCC Solenoid, identified with a Black colored case connector, and has a resistance value of 1.0 - 2.0 ohms, as indicated in the service manuals.

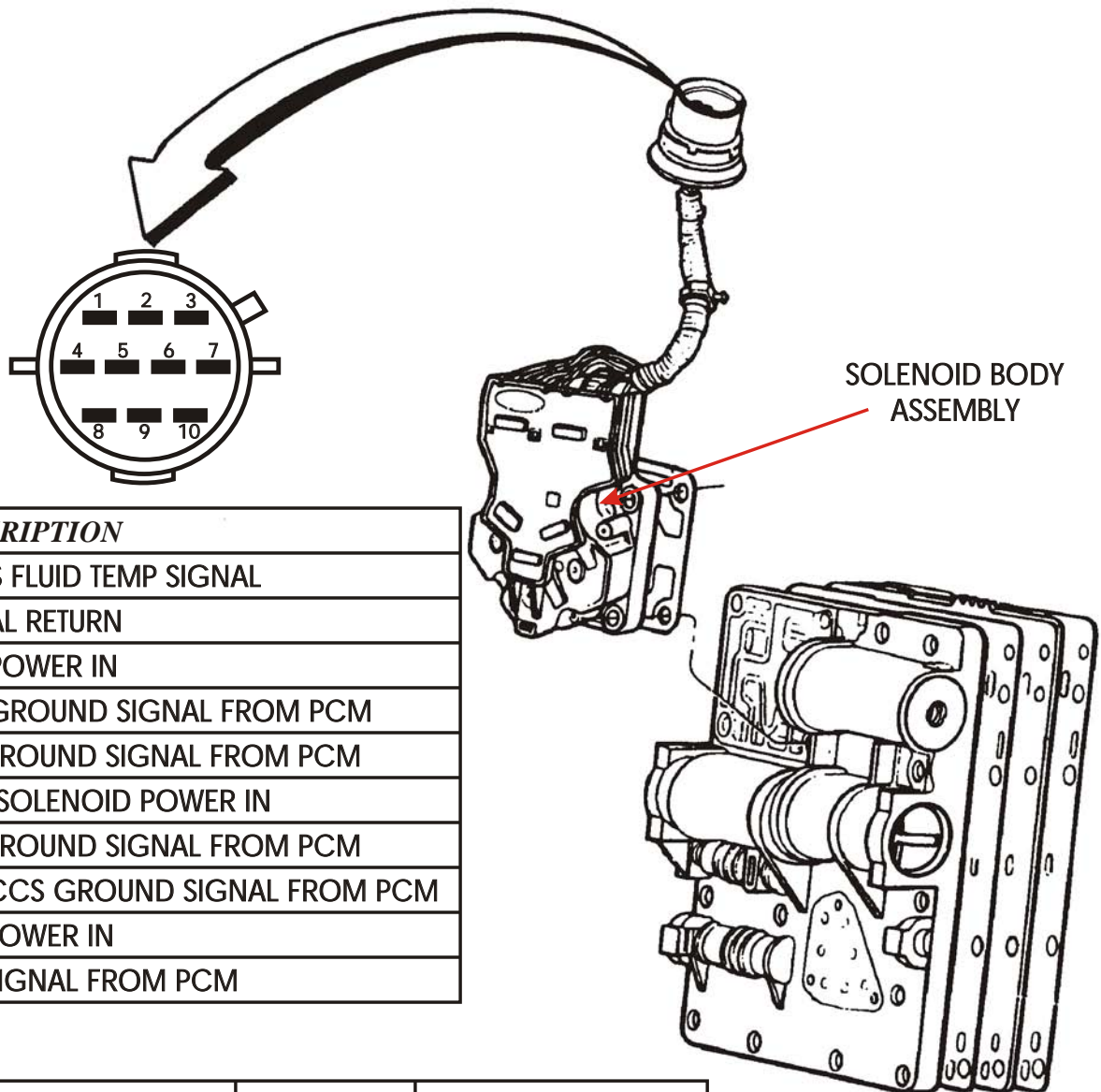
CORRECTION: 1993-1995 CD4E transaxles may be serviced with a Solenoid Body Assembly containing **either the high impedance or low impedance** TCC Solenoid, with no adverse effects. The TCC Solenoid resistance can be checked across pins 3 and 4 of the transaxle case connector as shown in Figure 1.
The Natural/Beige colored connector should measure 12.5 - 19.0 ohms resistance.
The Black colored connector should measure 1.0 - 2.0 ohms resistance.
Refer to Figure 1 for the resistance value on all other solenoids.

**CAUTION: DO NOT USE SOLENOID BODY WITH LOW IMPEDANCE (BLACK CONNECTOR)
FOR SERVICE ON CD4E TRANSAXLES BEYOND THE 1995 MODEL YEAR.**

SERVICE INFORMATION:

Solenoid Body Assembly (High Impedance-Beige Connector) F6RZ-7G391-A

CD4E CASE CONNECTOR AND SOLENOID PACK ASSEMBLY



PIN	DESCRIPTION
1	TRANS FLUID TEMP SIGNAL
2	SIGNAL RETURN
3	TCC POWER IN
4	TCC GROUND SIGNAL FROM PCM
5	SS2 GROUND SIGNAL FROM PCM
6	SHIFT SOLENOID POWER IN
7	SS1 GROUND SIGNAL FROM PCM
8	3-2T/CCS GROUND SIGNAL FROM PCM
9	EPC POWER IN
10	EPC SIGNAL FROM PCM

COMPONENT	PINS	OHMS RESISTANCE
<i>SS1</i>	<i>6 AND 7</i>	<i>12.0 - 22.0</i>
<i>SS2</i>	<i>5 AND 6</i>	<i>12.0 - 22.0</i>
<i>TCC (Black)</i>	<i>3 AND 4</i>	<i>1.0 - 2.0</i>
<i>TCC (Natural/Beige)</i>	<i>3 AND 4</i>	<i>12.5 - 19.0</i>
<i>EPC</i>	<i>9 AND 10</i>	<i>3.75 - 5.92</i>
<i>3-2T/CCS</i>	<i>6 AND 8</i>	<i>3.75 - 5.92</i>
<i>TSS</i>		<i>140 - 290</i>

Figure 1