



Technical Service Information

FORD 4R70W IRREGULAR AND/OR NO CONVERTER CLUTCH APPLY

COMPLAINT: Some 1995 model Crown Victoria, Grand Marquis, and Lincoln Town Car might illuminate the "Check Engine" light, and may store Diagnostic Trouble Code (DTC) P0743, and there may also be a concern of irregular and/or no torque converter clutch Operation.

CAUSE: The cause may be, an incorrect Torque Converter Clutch (TCC) Solenoid, with low resistance (1.0 - 3.0 ohms), mistakenly installed in some 4R70W transmissions. Refer to Figure 1. The resistance should be 10-16 ohms on some models.

CORRECTION: **Step 1:** Perform the normal on board diagnostics and if DTC P0743 is present, measure the resistance of the TCC solenoid across the transmission case connector pins 3 and 8. Refer to Figure 2 for pin locations in the transmission case connector.

Step 2: If the resistance measures 1.0-3.0 ohms, remove the transmission bottom pan, and record the "Valve Body I.D. Code" from the I.D. tag located on the valve body.

Step 3: If the valve body I.D. code is G2T, G3T or G2U, and resistance on the TCC solenoid measures 1.0-3.0 ohms, replace the TCC Solenoid with OEM part number F5AZ-7G136-A. The resistance on these models should be 10-16 ohms.

SERVICE INFORMATION:

92-96 Mustang, Thunderbird, Cougar, Mark VIII, E/F Series Trucks,
TCC SOLENOID (All Models) F2VY-7G136-A

92-96 Crown Victoria, Grand Marquis,
Lincoln Town Car,
TCC SOLENOID (All *Except* V.B. Codes G2T, G3T, G2U) F2VY-7G136-A
TCC SOLENOID (G2T, G3T, G2U V.B. Codes Only) F5AZ-7G136-A

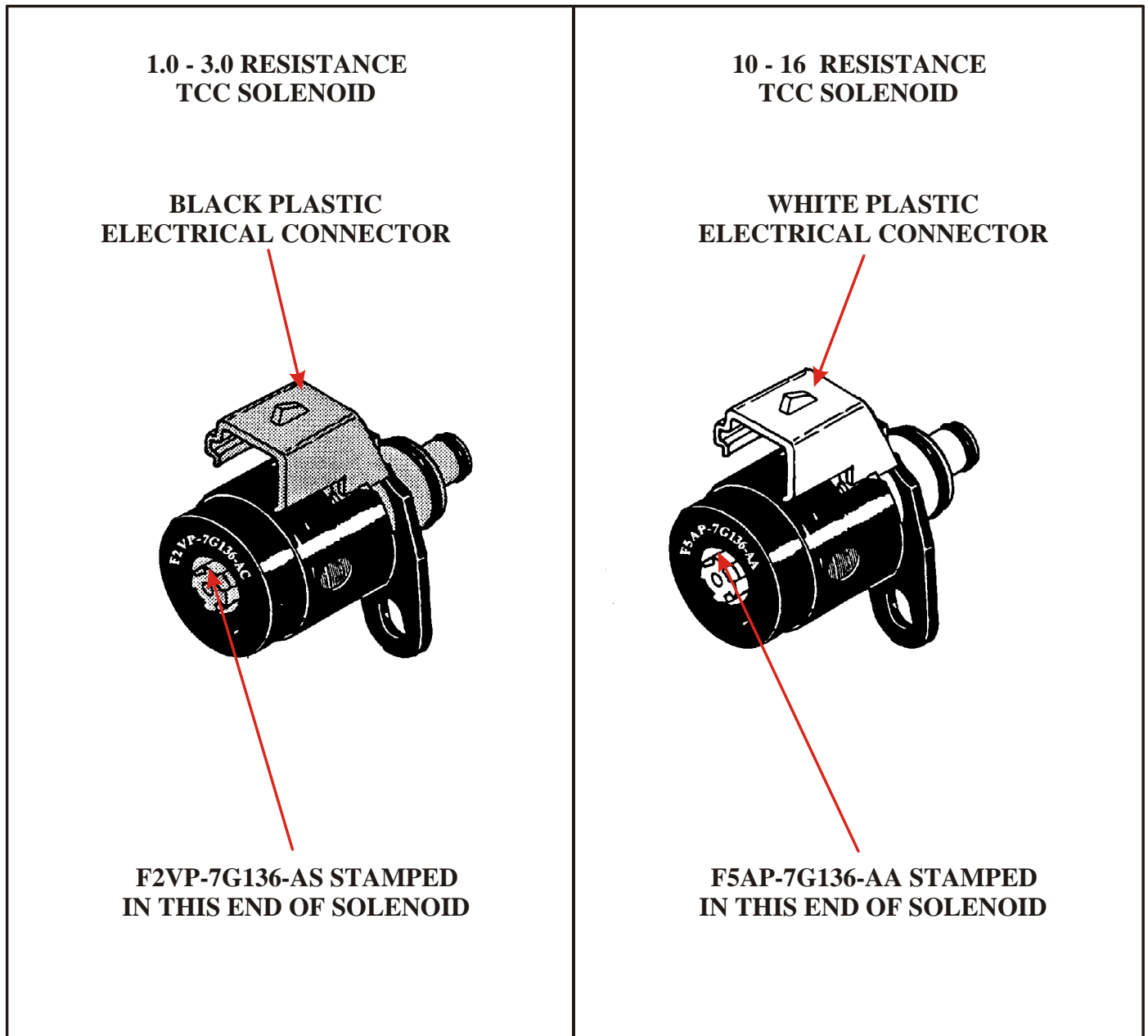
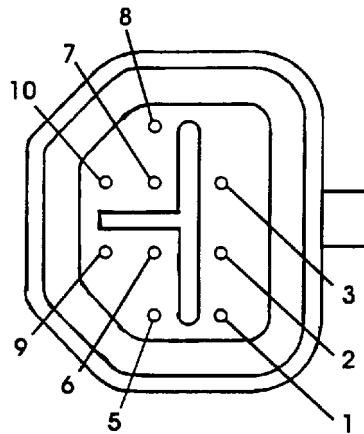
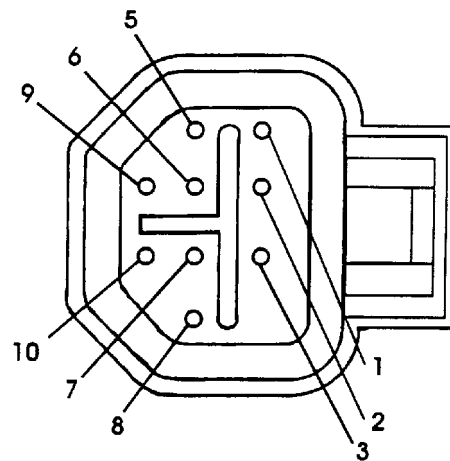


Figure 1

VIEW LOOKING INTO THE TRANSMISSION CASE CONNECTOR



VIEW LOOKING INTO THE VEHICLE HARNESS CONNECTOR



PIN NO.	IDENTIFICATION	INTERNAL COLOR	EXTERNAL COLOR	CIRCUIT NUMBER	PCM PIN NUMBER
1	SS-1 GROUND SIGNAL	WHITE	ORG - YEL	237	51
2	SHIFT SOLENOID POWER 12V	WHT - BLK	RED	361	37 & 57
3	MCC GROUND SIGNAL	GREEN	**	480	53
4	NOT USED				
5	TOT -	WHT - RED	ORG - BLK	923	49
6	SS-2 GROUND SIGNAL	BLACK	PPL - ORG	315	52
7	EPC POWER IN	WHT - BLU	RED	361	37 & 57
8	MCC POWER IN	WHT - GRN	RED	361	37 & 57
9	TOT +	RED	GRY - RED	359	46
10	EPC GROUND SIGNAL	BLUE	WHT - YEL	925	38

** TAN - WHT, BRN - ORG, PPL - YEL, DEPENDING ON YEAR AND MODEL.

SOLENOID	PIN NO.	RESISTANCE
SHIFT SOLENOID - 1	1 & 2	20 - 30 OHMS
SHIFT SOLENOID - 2	6 & 2	20 - 30 OHMS
TORQUE CONVERTER CLUTCH (SOME 1995 MODELS)	3 & 8	1.0 - 3.0 OHMS
	3 & 8	10 - 16 OHMS
ELECTRONIC PRESSURE CONTROL	7 & 10	2.48 - 5.66 OHMS

Figure 2