FORD 4R70W

INTERNAL HARNESS AND CASE CONNECTOR CHANGES FOR 1998

CHANGE: Beginning at the start of production for 1998 models, all Ford AODE/4R70W transmissions were built using a molded circuit board to replace the previous internal wire harness assembly, as shown in Figure 1.

REASON: More economical to produce and install and increased durability.

PARTS AFFECTED:

(1) CASE CONNECTOR - Now produced to accommodate the new molded circuit board assembly and case connector pin functions have changed. Refer to Figures 1, 2, and 3.

(2) INTERNAL HARNESS - Changed to a molded circuit board, as shown in Figure 1.

(3) EPC SOLENOID - Connector changes to accommodate the new molded circuit board.

(4) SHIFT SOLENOID ASSEMBLY - Connector changes to accommodate the new circuit board.

(5) TCC SOLENOID ASSEMBLY - Connector changes to accommodate the new circuit board.

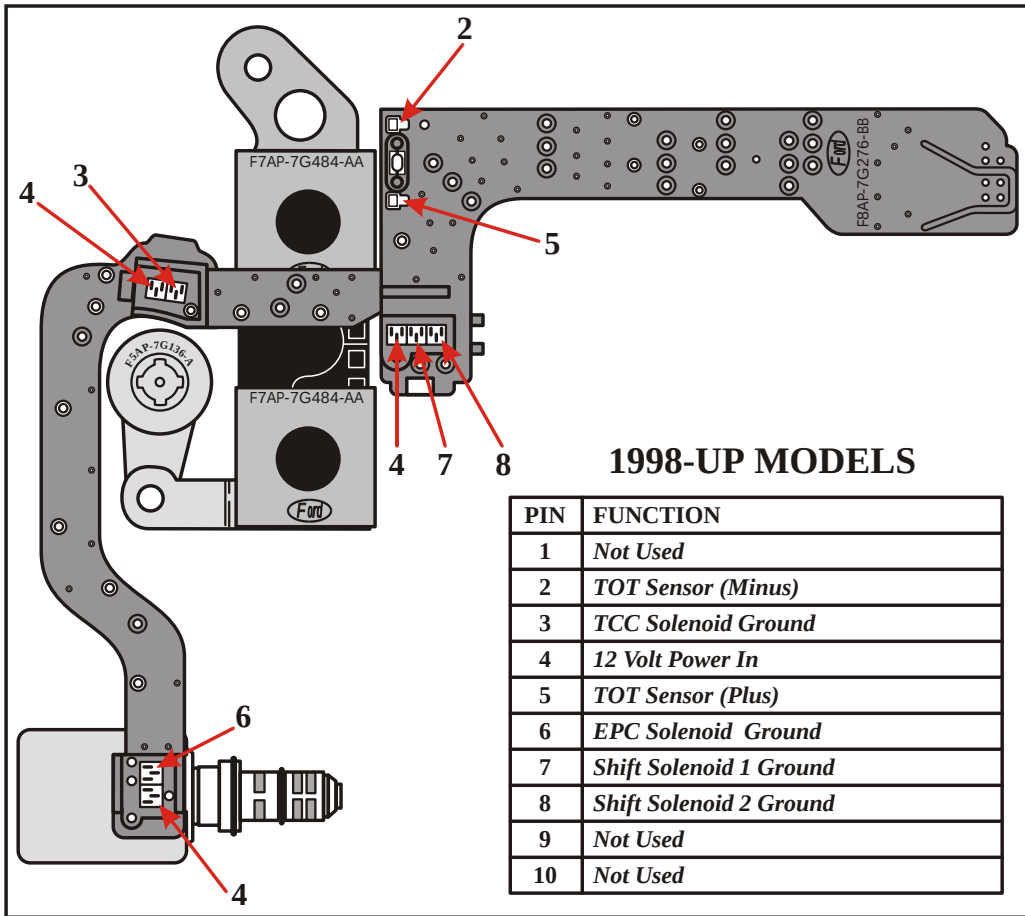
INTERCHANGEABILITY:

(1) 1992-1997 internal harness and solenoid assemblies ***must*** be used on 92-97 models. Refer to "Service Information" below for the current part numbers.

(2) 1998-Up internal harness and solenoid assemblies ***must*** be used on 1998-Up models. Refer to "Service Information" below for the current part numbers.

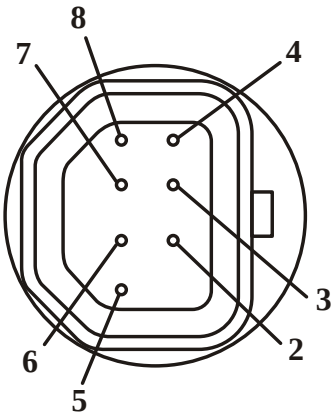
SERVICE INFORMATION:

Internal Wiring Harness and Case Connector Assy, 92-97 Models	F2VY-7G276-A
Case Connector for Molded Internal Wiring, 1998-Up Models	F8AZ-7G276-AA
Molded Internal Wiring Assembly, 1998-Up Models	F8AZ-7G276-BA
Shift Solenoid Assembly, 92-97 Models	F7AZ-7G484-AA
Shift Solenoid Assembly, 1998-Up Models	F8AZ-7G484-AA
EPC Solenoid Assembly, 92-97 Models	F6AZ-7G383-AA
EPC Solenoid Assembly, 1998-Up Models	F8AZ-7G383-AA
TCC Solenoid Assembly, 92-97 Models	F5AZ-7G136-A
TCC Solenoid Assembly, 1998-Up Models	F8AZ-7G136-AA

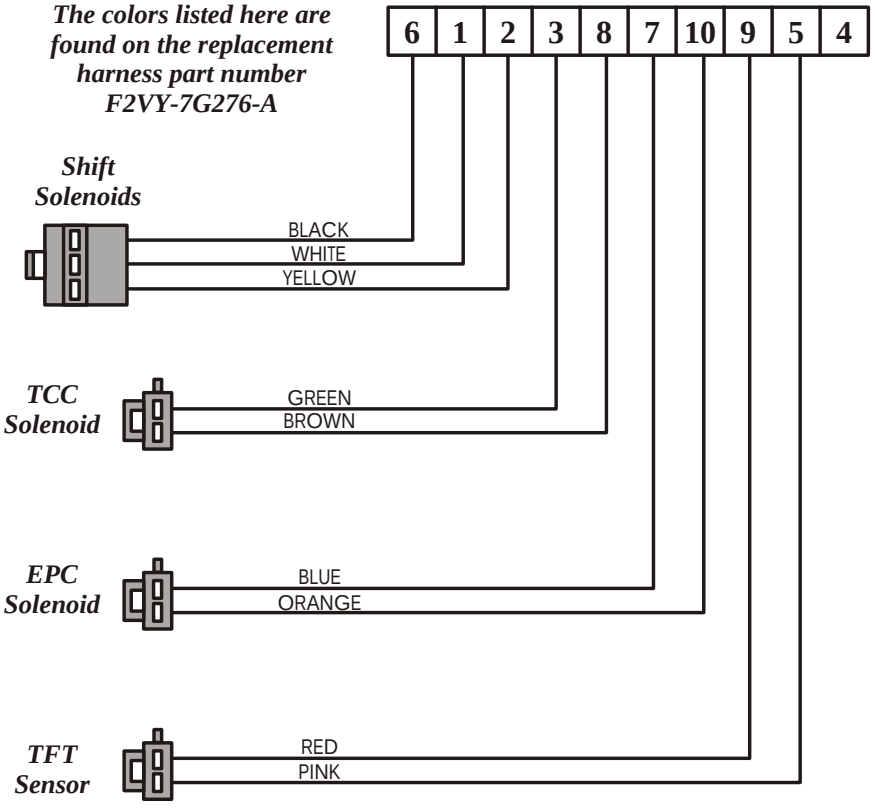


1998-UP MODELS

PIN	FUNCTION
1	*Not Used*
2	*TOT Sensor (Minus)*
3	*TCC Solenoid Ground*
4	*12 Volt Power In*
5	*TOT Sensor (Plus)*
6	*EPC Solenoid Ground*
7	*Shift Solenoid 1 Ground*
8	*Shift Solenoid 2 Ground*
9	*Not Used*
10	*Not Used*



The colors listed here are found on the replacement harness part number F2VY-7G276-A



1992-1997 MODELS

PIN	FUNCTION
1	*Shift Solenoid 1 Ground*
2	*Shift Solenoid 12V Power*
3	*TCC Solenoid Ground*
4	*Not Used*
5	*TOT Sensor*
6	*Shift Solenoid 2 Ground*
7	*EPC Solenoid 12V Power*
8	*TCC Solenoid 12V Power*
9	*TOT Sensor Return*
10	*EPC Solenoid Ground*

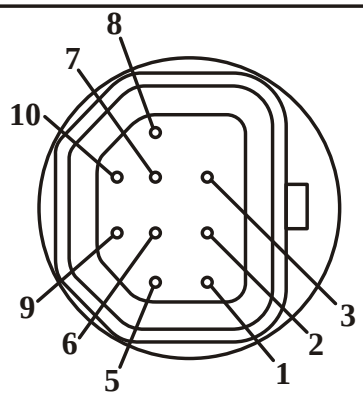
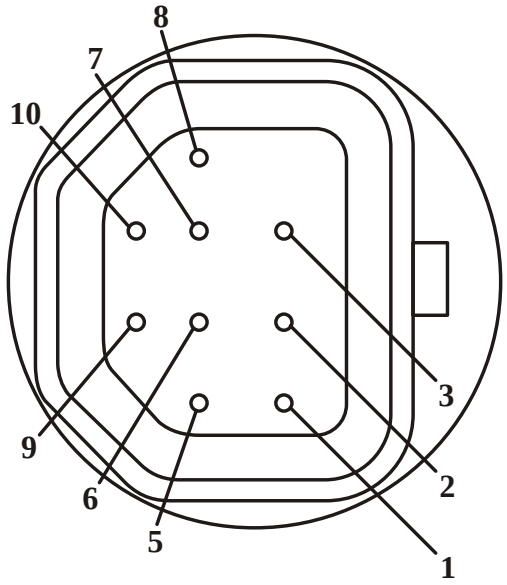
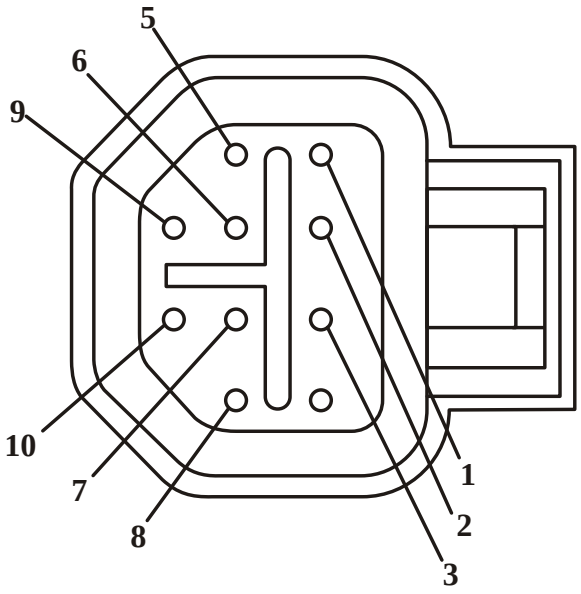


Figure 1

VIEW LOOKING INTO THE 92-97 TRANSMISSION CASE CONNECTOR



VIEW LOOKING INTO THE 92-97 VEHICLE HARNESS CONNECTOR



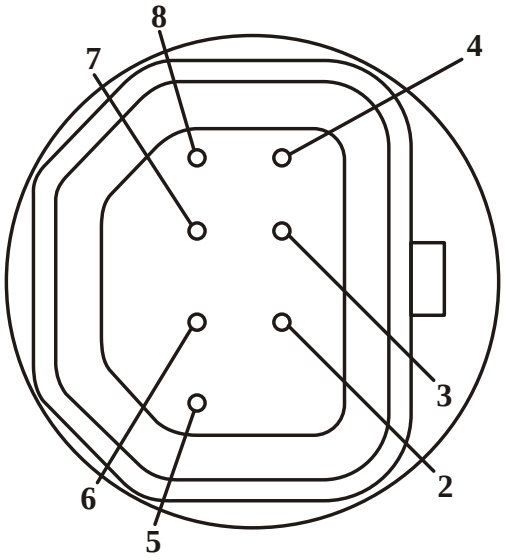
PIN NO.	IDENTIFICATION	INTERNAL COLOR	EXTERNAL COLOR	CIRCUIT NUMBER	EEC IV ECM PIN NUMBER 92-95	EEC V ECM PIN NUMBER 96-97
1	*SS-1 Ground Signal*	*WHITE*	*ORG - YEL*	*237*	*51*	*27*
2	*Shift Solenoid Power 12V*	*WHT - BLK*	*RED*	*361*	*37 & 57*	*71 & 97*
3	*MCC Ground Signal*	*GREEN*	****	*480*	*53*	*54*
4	*NOT USED*					
5	*TOT -*	*WHT - RED*	*GRY - RED*	*923*	*49*	*91*
6	*SS-2 Ground Signal*	*BLACK*	*PPL - ORG*	*315*	*52*	*1*
7	*EPC Power In*	*WHT - BLU*	*RED*	*361*	*37 & 57*	*71 & 97*
8	*MCC Power In*	*WHT - GRN*	*RED*	*361*	*37 & 57*	*71 & 97*
9	*TOT +*	*RED*	*ORG - BLK*	*359*	*46*	*37*
10	*EPC Ground Signal*	*BLUE*	*WHT - YEL*	*925*	*38*	*81*

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

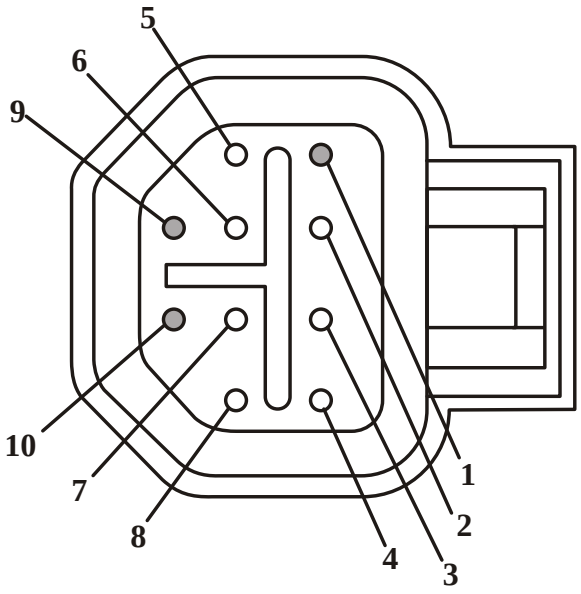
SOLENOID	PIN NO.	RESISTANCE
SHIFT SOLENOID - 1	*1 & 2*	*20 - 30 OHMS*
SHIFT SOLENOID - 2	*6 & 2*	*20 - 30 OHMS*
TORQUE CONVERTER CLUTCH	*3 & 8*	*1.0 - 3.0 OHMS*
(SOME 1995 MODELS)	*3 & 8*	*10 - 16 OHMS*
EPC SOLENOID	*7 & 10*	*2.48 - 5.66 OHMS*

Figure 2

VIEW LOOKING INTO THE 1998-UP TRANSMISSION CASE CONNECTOR



VIEW LOOKING INTO THE 1998-UP VEHICLE HARNESS CONNECTOR



PIN NO.	IDENTIFICATION	INTERNAL COLOR	EXTERNAL COLOR	CIRCUIT NUMBER	EEC-V ECM PIN NUMBER 1998-UP
1	*NOT USED*				
2	*TOT -*	*CIRCUIT BOARD*	*GRY - RED*	*359*	*91*
3	*MCC GROUND SIGNAL*	*CIRCUIT BOARD*	*PPL - YEL*	*126*	*54*
4	*SOLENOID POWER IN 12V*	*CIRCUIT BOARD*	*RED*	*361*	*71 & 97*
5	*TOT +*	*CIRCUIT BOARD*	*ORG - BLK*	*923*	*37*
6	*EPC GROUND SIGNAL*	*CIRCUIT BOARD*	*WHT - YEL*	*925*	*81*
7	*SS-1 GROUND SIGNAL*	*CIRCUIT BOARD*	*ORG/YEL*	*237*	*6*
8	*SS-2 GROUND SIGNAL*	*CIRCUIT BOARD*	*PPL - ORG*	*315*	*11*
9	*NOT USED*				
10	*NOT USED*				

SOLENOID	PIN NO.	RESISTANCE
SHIFT SOLENOID - 1	*4 & 7*	*20 - 30 OHMS*
SHIFT SOLENOID - 2	*4 & 8*	*20 - 30 OHMS*
TORQUE CONVERTER CLUTCH	*4 & 3*	*1.0 - 3.0 OHMS*
(SOME MODELS)	*4 & 3*	*10 - 16 OHMS*
EPC SOLENOID	*4 & 6*	*2.48 - 5.66 OHMS*

Figure 3