



# Technical Service Information

## THM 4L80-E

### NEW DESIGN CASE CONNECTOR AND HARNESS

**CHANGE:** Beginning on May 25, 1993 (Julian Date 145) a new case connector and wiring harness assembly went into production on all THM 4L80-E/4L80-EHD transmissions (See Figure 2).

**REASON:** Greatly decreased the possibility of bending the case connector terminals and ease of assembly.

#### PARTS AFFECTED:

(1) CASE CONNECTOR AND INTERNAL WIRING HARNESS - Now has a much more durable case connector and REVISED pin locations. Refer to Figure 1 for previous transmission case connector. Refer to Figure 2 for new transmission case connector.

(2) EXTERNAL VEHICLE HARNESS CONNECTOR - Changed to accomodate the new design transmission case connector and REVISED cavity locations. Refer to Figure 3 for new design vehicle harness connector.

#### INTERCHANGEABILITY:

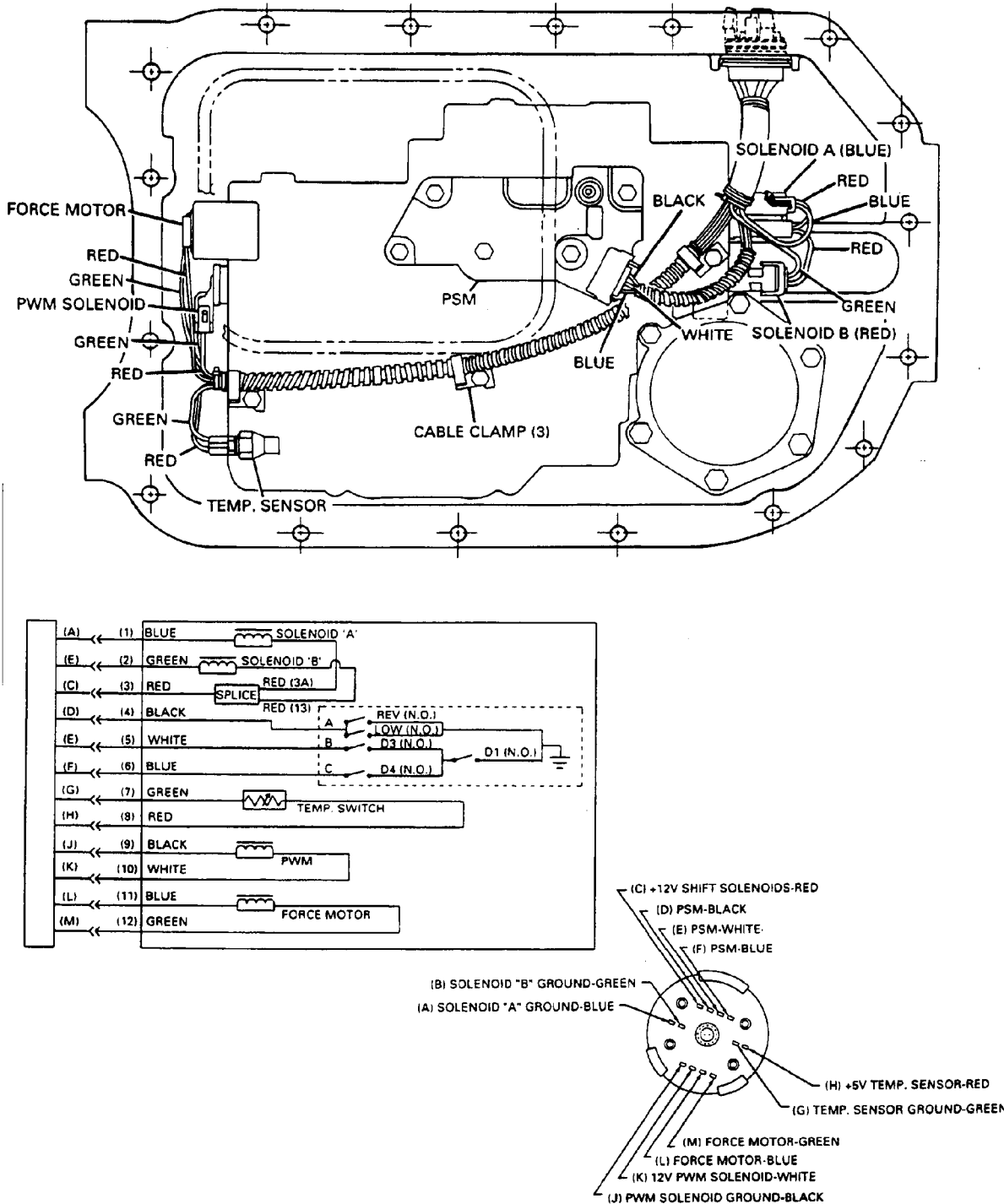
There is now available a new service package, OEM part number 24200161, that will update ANY previous model THM 4L80-E/4L80-EHD transmission to the new design case connector, and includes the following:

1. New design transmission case connector and internal wiring harness.
2. New design external vehicle harness connector that requires cutting and splicing the new connector to the existing vehicle harness. Use the chart provided in Figure 2 as a guide.

#### SERVICE INFORMATION:

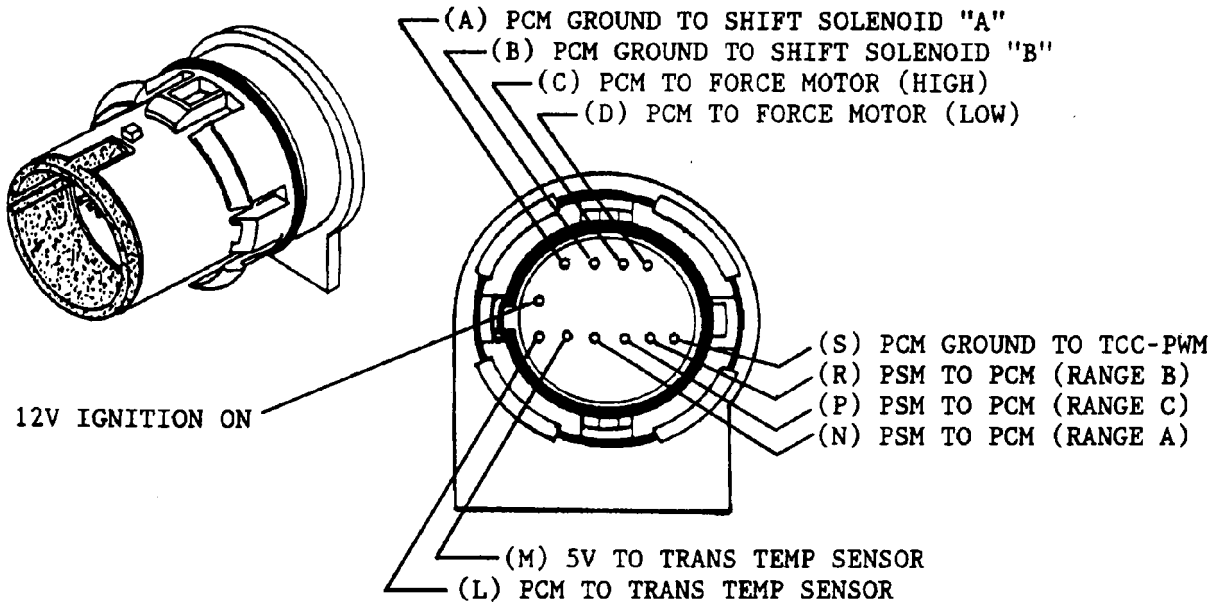
UPDATE SERVICE PACKAGE (Includes the following) ..... 24200161

1. New Design Transmission Case Connector, and Internal Wiring Harness Assembly.
2. New Design External Vehicle Harness Connector.



PREVIOUS CASE CONNECTOR

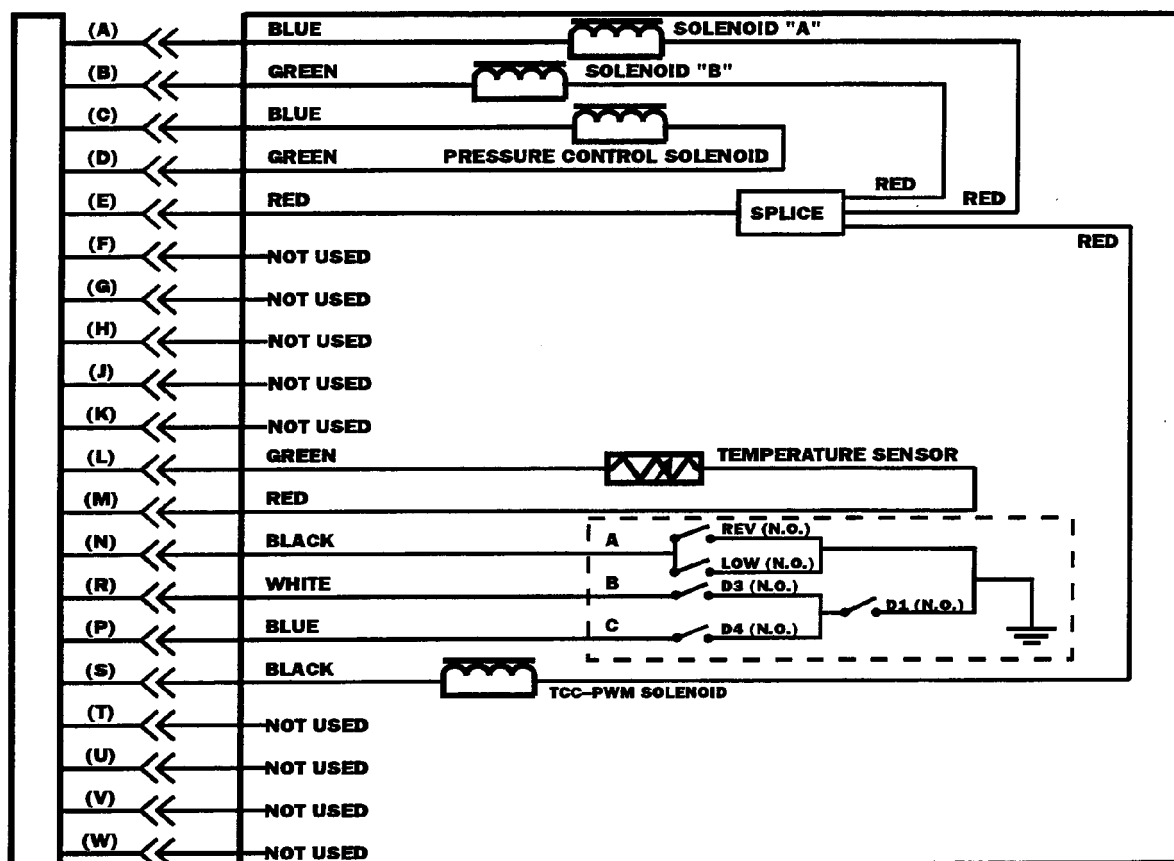
## NEW CASE CONNECTOR FOR 1993



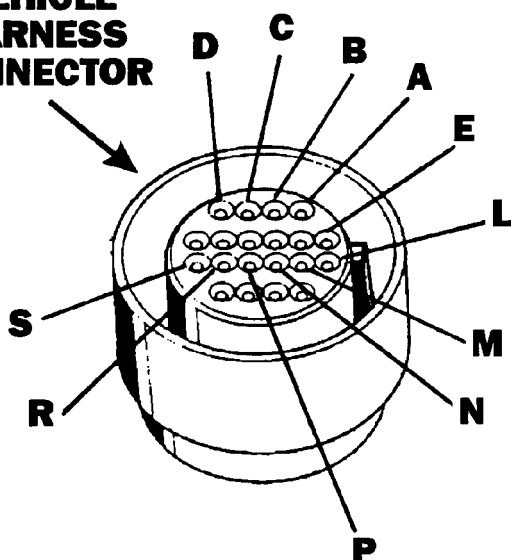
OLD CAVITY	NEW CAVITY	FUNCTION
A	A	PCM GROUND TO SHIFT SOLENOID "A"
B	B	PCM GROUND TO SHIFT SOLENOID "B"
L	C	PCM TO FORCE MOTOR (HIGH)
M	D	PCM TO FORCE MOTOR (LOW)
C	E	12V IGNITION ON, TO SOLENOIDS
G	L	PCM TO TRANS TEMP SENSOR
H	M	5V TO TRANS TEMP SENSOR
D	N	PSM TO PCM (RANGE A)
F	P	PSM TO PCM (RANGE C)
E	R	PSM TO PCM (RANGE B)
J	S	PCM GROUND TO TCC-PWM SOLENOID

## NEW CASE CONNECTOR FOR 1993

## 1993 WIRING SCHEMATIC AND EXTERNAL HARNESS CONNECTOR



### VEHICLE HARNESS CONNECTOR



- A PCM GROUND TO SHIFT SOLENOID "A"
- B PCM GROUND TO SHIFT SOLENOID "B"
- C PCM TO FORCE MOTOR (HIGH)
- D PCM TO FORCE MOTOR (LOW)
- E 12V IGNITION ON, TO SOLENOIDS
- L PCM TO TRANS TEMP SENSOR
- M 5V TO TRANS TEMP SENSOR
- N PSM TO PCM (RANGE A)
- P PSM TO PCM (RANGE C)
- R PSM TO PCM (RANGE B)
- S PCM GROUND TO TCC-PWM SOLENOID

Figure 3