

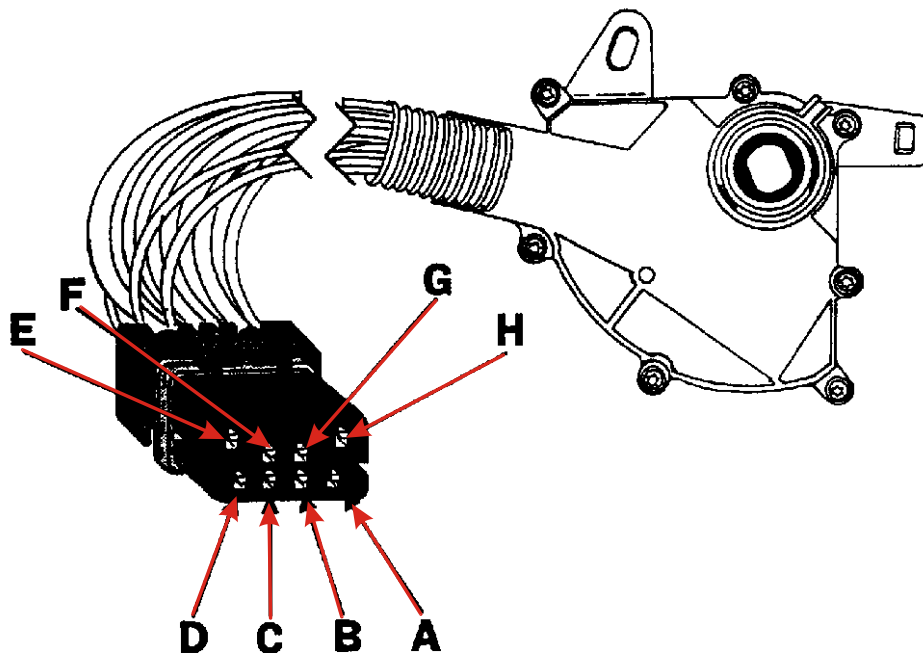
THM 4L30-E

NO T.C.C.

COMPLAINT: No torque converter clutch engagement commanded by computer, even though all of the shifts are on time. When the computer is bypassed, torque converter clutch operates fine.

CAUSE: The Mode Switch (Inhibitor Switch) may be defective. This switch carries battery voltage and sends specific information to the TCM. The TCM reads the selector position to determine shift schedule as well as torque converter clutch engagement. A "missing" or incorrect signal from the mode switch may not prevent upshift commands to the transmission, but will set trouble code 56. Trouble code 56 will **not** turn on the "Check Trans" light on the dash, nor will it activate the emergency program. What it will do is disable the torque converter clutch and then take no further action.

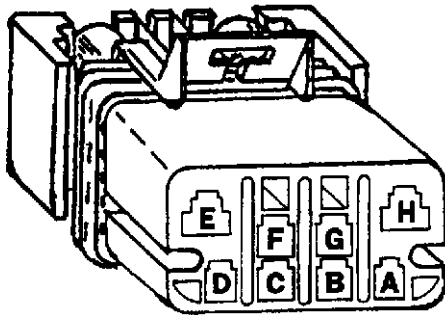
CORRECTION: Drive the vehicle to determine if ALL of the ranges can be selected manually. If there is any problem holding 1 st gear, 2nd gear, or third gear, check the Mode Switch for continuity. Replace the Mode Switch if necessary. Figure 1 identifies the Mode Switch and the terminals of the connector. Figure 2, provides a guide to use when checking the switch.



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Figure 1

Note: The harness connector is located on the passenger side of the vehicle, near the fire wall. The harness itself is approximately 4 feet long and travels to the mode switch on the drivers side of the transmission.



	D	A	B	C	G	E	H	F
P	●	●			●	●—●		
R	●	●	●					●
N	●		●		●	●—●		
D	●		●	●				
3	●	●	●	●	●			
2	●	●		●				
1	●			●	●			

CONTINUITY ACROSS TERMINALS IS SHOWN IN CHART
TERMINALS E AND H HAVE CONTINUITY TO EACH OTHER ONLY

Figure 2