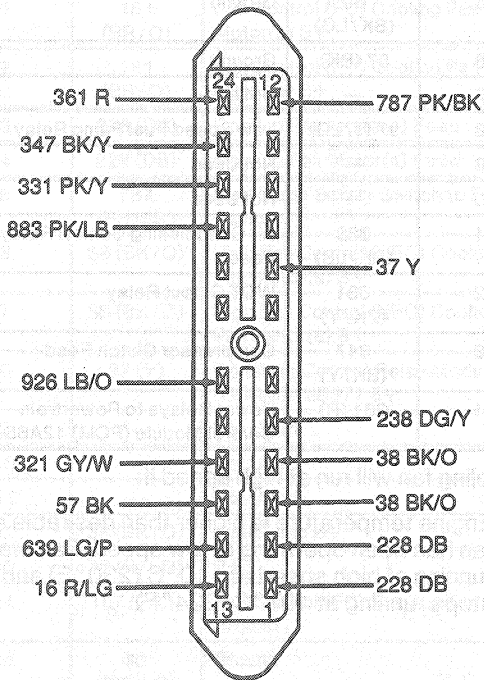


DESCRIPTION AND OPERATION (Continued)

Constant Control Relay Module (CCRM)
Connector End View



Q3234-A

| Pin Number | Circuit | Circuit Number |
|------------|-------------|--|
| 1 | 181 (BR/O) | Fan Control (FC) Motor Feed |
| 2 | 181 (BR/O) | Fan Control (FC) Motor Feed |
| 3 | 38 (BK/O) | VB+ |
| 4 | 38 (BK/O) | VB+ |
| 5 | 787 (PK/BK) | Fuel Pump Safety Switch to Fuel Pump |
| 6 | 228 (DB) | High Fan Control (HFC) Cooling Fan Motor Feed |
| 7 | 228 (DB) | High Fan Control (HFC) Cooling Fan Motor Feed |
| 8 | 37 (Y) | Constant Control Relay Module (CCRM) 12B577 B+ |
| 9 | — | Not Used |
| 10 | — | Not Used |
| 11 | — | Not Used |
| 12 | 38 (BK/O) | Fuel Pump VBATT+ |
| 13 | 16 (R/LG) | Ignition Switch B+ |
| 14 | 197 (T/O) | Fan Control (FC) Cooling Fan Ground |

(Continued)

| Pin Number | Circuit | Circuit Number |
|------------|-------------|---|
| 15 | 60 (BK/LG) | Ground |
| 16 | 321 (GY/W) | A/C Clutch Ground |
| 17 | 639 (LG/P) | High Fan Control (HFC) Cooling Fan Ground |
| 18 | 926 (LB/O) | Fuel Pump Ground |
| 19 | — | Not Used |
| 20 | — | Not Used |
| 21 | 883 (PK/LB) | A/C Mode Input |
| 22 | 331 (PK/Y) | WOT A/C Cutout |
| 23 | 347 (BK/Y) | A/C Clutch Feed |
| 24 | 361 (R) | Powertrain Control Module 12A650 B+ |

Several different integrated controller modules are available depending on application. Proper operation of the system cannot be obtained unless the correct integrated controller module is used.

DIAGNOSIS AND TESTING

Thermostat

When investigating a concern of overheating or insufficient heater / defroster performance, the following tests should be performed:

1. Check and service any leaks:
 - Radiator pressure cap
 - Heater hoses
 - Radiator hoses
 - Water outlet connection gasket
 - Head gasket
 - Water pump gasket
2. Check cold engine coolant level in radiator.
 - a. If level is below radiator filler neck, fill to filler neck with an approved coolant. Add coolant to recovery reservoir to the FULL COLD mark.
For Taurus SHO, fill coolant recovery reservoir to one-quarter full.