

TEST H: ENGINE CRANKS BUT WILL NOT START, SECURITY INDICATOR LIGHT ILLUMINATES FOR ABOUT 5 SECONDS, THEN TURNS OFF

1. Disconnect BCM connector C3. Turn ignition switch to RUN position. Using DVOM, measure voltage between BCM connector C3, terminal D8 (Dark Blue wire) and ground. See [Fig. 2](#) . If measurement is about 5 volts, go to step 3 . If measurement is not about 5 volts, go to next step.
2. Check for open or short in Dark Blue wire between BCM and PCM. See [WIRING DIAGRAMS](#) . Also, check for poor connections at BCM and PCM. If Dark Blue wire and connections are okay, check for related DTCs stored in PCM. See appropriate SELF-DIAGNOSTICS article in ENGINE PERFORMANCE.
3. Turn ignition off. Reconnect BCM connector. Turn ignition switch to RUN position. Using DVOM, measure voltage between BCM connector C3, terminal D8 (Dark Blue wire) and ground. See [Fig. 2](#) . If measurement is about 2.5 volts, check for related DTCs stored in PCM. See appropriate SELF-DIAGNOSTICS article in ENGINE PERFORMANCE. If measurement is not about 2.5 volts, check for poor connections at BCM. If connections are okay, replace BCM. After replacement, program new BCM. See [PROGRAMMING NEW MODULE](#) under PROGRAMMING.

TEST I: SECURITY INDICATOR LIGHT ON STEADY, ENGINE STARTS

1. Disconnect BCM connector C3. Turn ignition switch to RUN position. If SECURITY indicator light illuminates, check for short to ground in Gray wire between instrument cluster connector terminal A3 and BCM connector C3, terminal C12. See [WIRING DIAGRAMS](#) . If Gray wire is okay, replace instrument cluster.
2. If SECURITY indicator light does not illuminate, perform lock cylinder and harness test. See [TEST K: LOCK CYLINDER & HARNESS TEST](#) . If keys, lock cylinder and lock cylinder harness are okay, replace BCM. After replacement, program new BCM. See [PROGRAMMING NEW MODULE](#) under PROGRAMMING.

TEST J: SECURITY INDICATOR LIGHT NEVER ILLUMINATES, ENGINE STARTS



WARNING: Vehicles are equipped with air bag supplemental restraint system. When locating 2-pin ignition switch lock cylinder harness connector at base of steering column, do not confuse connector with Yellow 2-pin air bag supplemental restraint system connector also located at base of steering column.

1. Disconnect BCM connector C3. Connect 10-amp fused jumper wire between BCM connector C3, terminal C12 (Gray wire) and ground. See [Fig. 2](#) . Turn ignition switch to RUN position. If SECURITY indicator light illuminates, check for poor connections at BCM. Repair as necessary. If connections are okay, replace BCM. After replacement, program new BCM. See [PROGRAMMING NEW MODULE](#) under PROGRAMMING. If SECURITY indicator light does not illuminate, go to next step.
2. Check for poor connections or open in Gray wire between BCM and instrument cluster. Also, check for open or short to ground in Orange wire between instrument cluster and PWR ACCY fuse No. 7 (15-amp) located in instrument panel fuse block in left side of dash. Check instrument cluster printed circuit and SECURITY indicator light bulb. Replace as necessary. See [WIRING DIAGRAMS](#) .

Fig. 2: Identifying BCM Connector C3 Terminals
Courtesy of GENERAL MOTORS CORP.

