

# Troubleshooting

## Self-diagnostic Procedures

I. When the Malfunction Indicator Lamp (MIL) has been reported on, do the following:

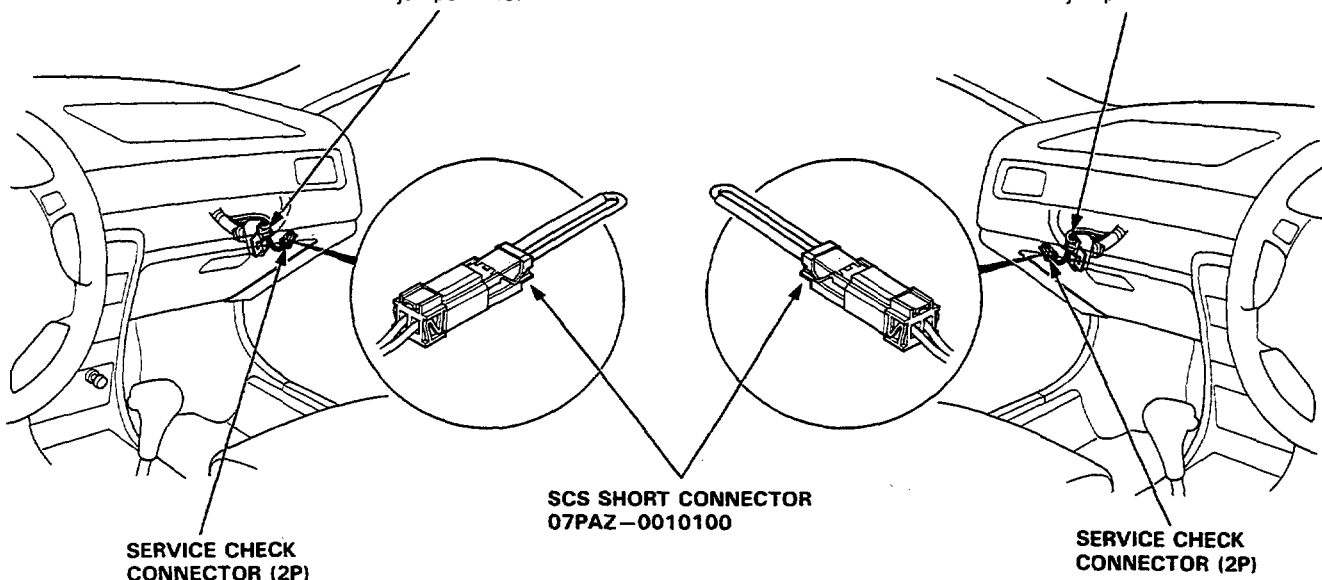
1. Connect the SCS short connector to Service Check Connector as shown. (The 2P Service Check Connector is located under the dash on the passenger side of the car.) Turn the ignition switch on.

LHD:

DATA LINK  
CONNECTOR (3P)  
NOTE:  
Do not attach  
jumper wire.

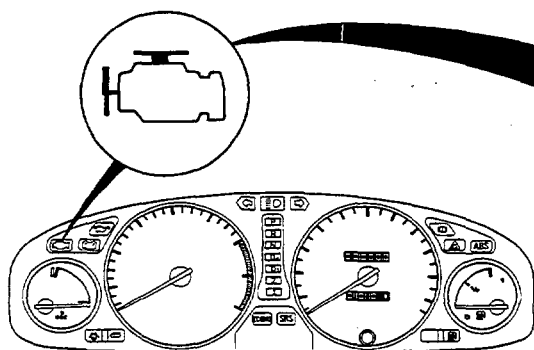
RHD:

DATA LINK  
CONNECTOR (3P)  
NOTE:  
Do not attach  
jumper wire.



2. Note the Diagnostic Trouble Code (DTC): The MIL indicates a code by the length and number of blinks. The MIL can indicate multiple component problems by blinking separate codes, one after another. Codes 1 through 9 are indicated by individual short blinks. Codes 10 through 48 are indicated by a series of long and short blinks. The number of long blinks equals the first digit, the number of short blinks equals the second digit. Sometimes the first blink is difficult to see; always count the blinks at least twice to verify the code.

MALFUNCTION  
INDICATOR  
LAMP  
(MIL)



Separate Problems:

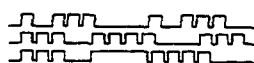
Short



= See DTC 1  
= See DTC 3  
= See DTC 13

Long short

Multiple Problems:

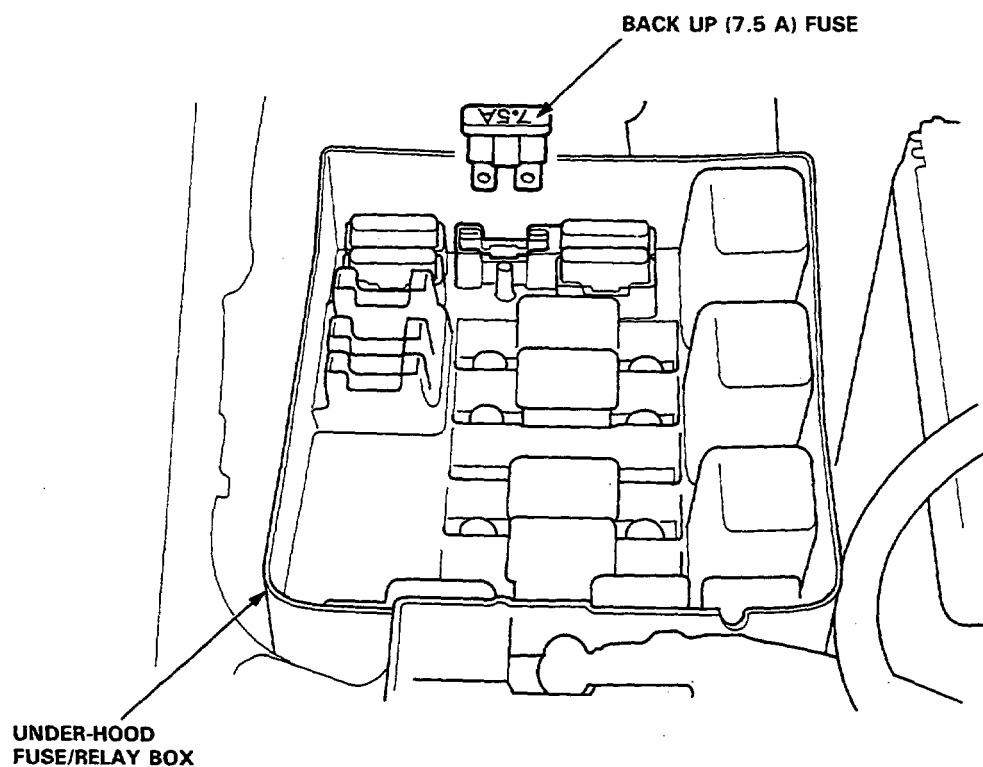


= See DTC 1 and 3  
= See DTC 3 and 4  
= See DTC 3 and 14



## II. Engine Control Module (ECM) Reset Procedure

1. Turn the ignition switch off.
2. Remove the BACK UP (7.5 A) fuse from the under-hood fuse/relay box for 10 seconds to reset the ECM.



## III. Final Procedure (this procedure must be done after any troubleshooting)

1. Remove the SCS Short Connector.

NOTE: If the SCS short connector is connected and there are no DTCs stored in the ECM, the MIL will stay on.

2. Do the ECM Reset Procedure.

(cont'd)

# Troubleshooting

## Self-diagnostic Procedures (cont'd)

DIAGNOSTIC TROUBLE CODE (DTC)	SYSTEM INDICATED	Page
0	ENGINE CONTROL MODULE (ECM)	11-22
1* <sup>3</sup>	OXYGEN SENSOR (O2S)	11-28
1* <sup>2</sup>	HEATED OXYGEN SENSOR (HO2S)	11-30
3	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR	11-40
4	CRANKSHAFT POSITION (CKP) SENSOR	11-44
5	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR	11-42
6	ENGINE COOLANT TEMPERATURE (ECT) SENSOR	11-46
7	THROTTLE POSITION (TP) SENSOR	11-48
8	TOP DEAD CENTER POSITION (TDC) SENSOR	11-44
9	No. 1 CYLINDER POSITION (CYP) SENSOR	11-44
10	INTAKE AIR TEMPERATURE (IAT) SENSOR	11-50
12* <sup>1</sup>	EXHAUST GAS RECIRCULATION (EGR)	11-104
14	IDLE AIR CONTROL (IAC) VALVE	11-61
15	IGNITION OUTPUT SIGNAL	11-52
17	VEHICLE SPEED SENSOR (VSS)	11-54
19* <sup>3</sup>	LOCK-UP CONTROL SOLENOID VALVE A/B (A/T)	11-56
21* <sup>1,2</sup>	VARIABLE VALVE TIMING & VALVE LIFT ELECTRONIC CONTROL (VTEC) SOLENOID VALVE	6-4
41* <sup>2</sup>	HEATED OXYGEN SENSOR (HO2S) HEATER	11-32
41* <sup>1</sup>	HEATED OXYGEN SENSOR (HO2S) HEATER	11-38
48* <sup>1</sup>	HEATED OXYGEN SENSOR (HO2S)	11-34

\*1: D15Z3 engine

\*2: D16Y2 engine

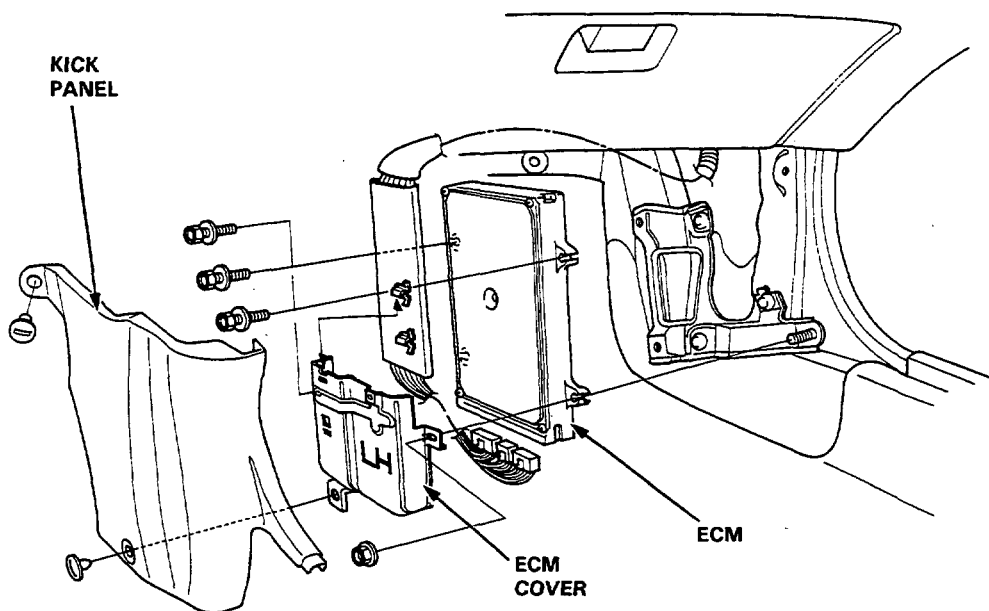
\*3: D16Y3, D14A2 engines

- If codes other than those listed above are indicated, verify the code. If the code indicated is not listed above, replace the ECM.
- The MIL may come on, indicating a system problem when, in fact, there is a poor or intermittent electrical connection. First, check the electrical connections, clean or repair connections if necessary.

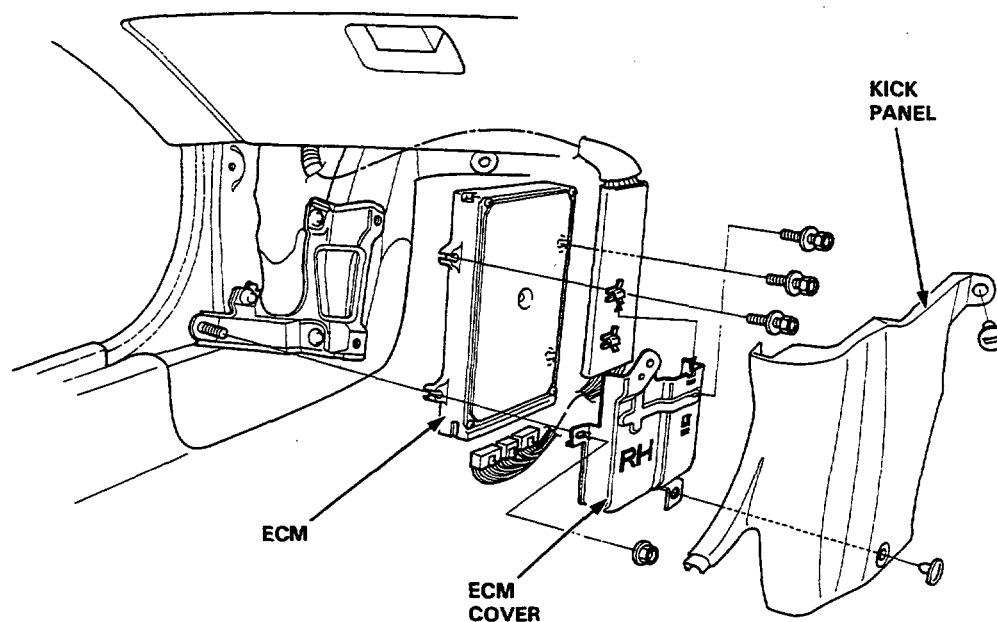


If the inspection for a particular code requires the test harness, remove the passenger side door sill molding and pull the carpet back to expose the ECM. Unbolt the ECM cover. Turn the ignition switch off and connect the test harness. Check the system according to the procedure described for the appropriate code(s) listed on the following pages.

**LHD:**



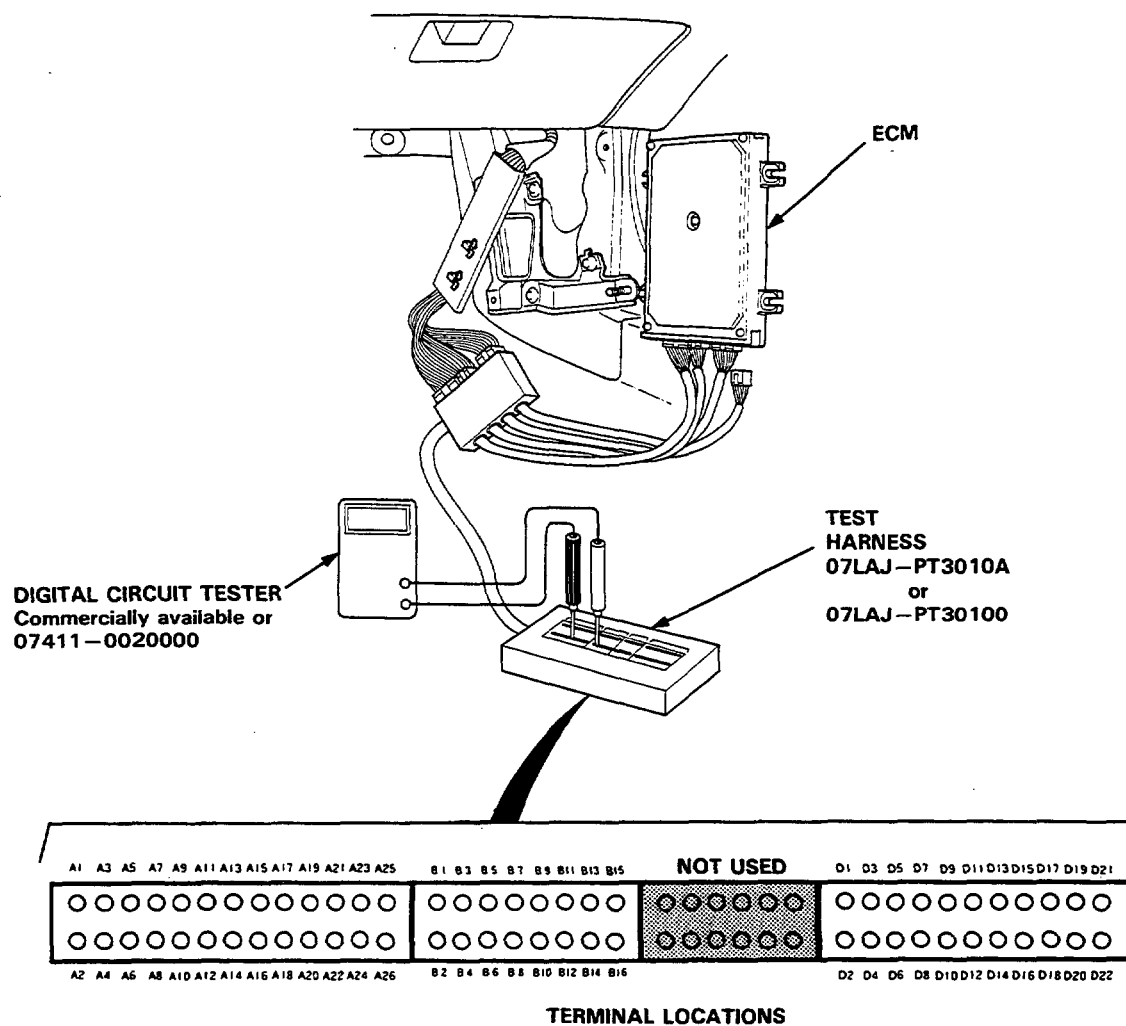
**RHD:**



(cont'd)

# Troubleshooting

## Self-diagnostic Procedures (cont'd)



### CAUTION:

- Puncturing the insulation on a wire can cause poor or intermittent electrical connections.
- For testing at connectors other than the test harness, bring the tester probe into contact with the terminal from the connector side of wire harness connectors in the engine compartment. For female connectors, just touch lightly with the tester probe and do not insert the probe.

