

## MIL CIRCUIT

### CIRCUIT DESCRIPTION

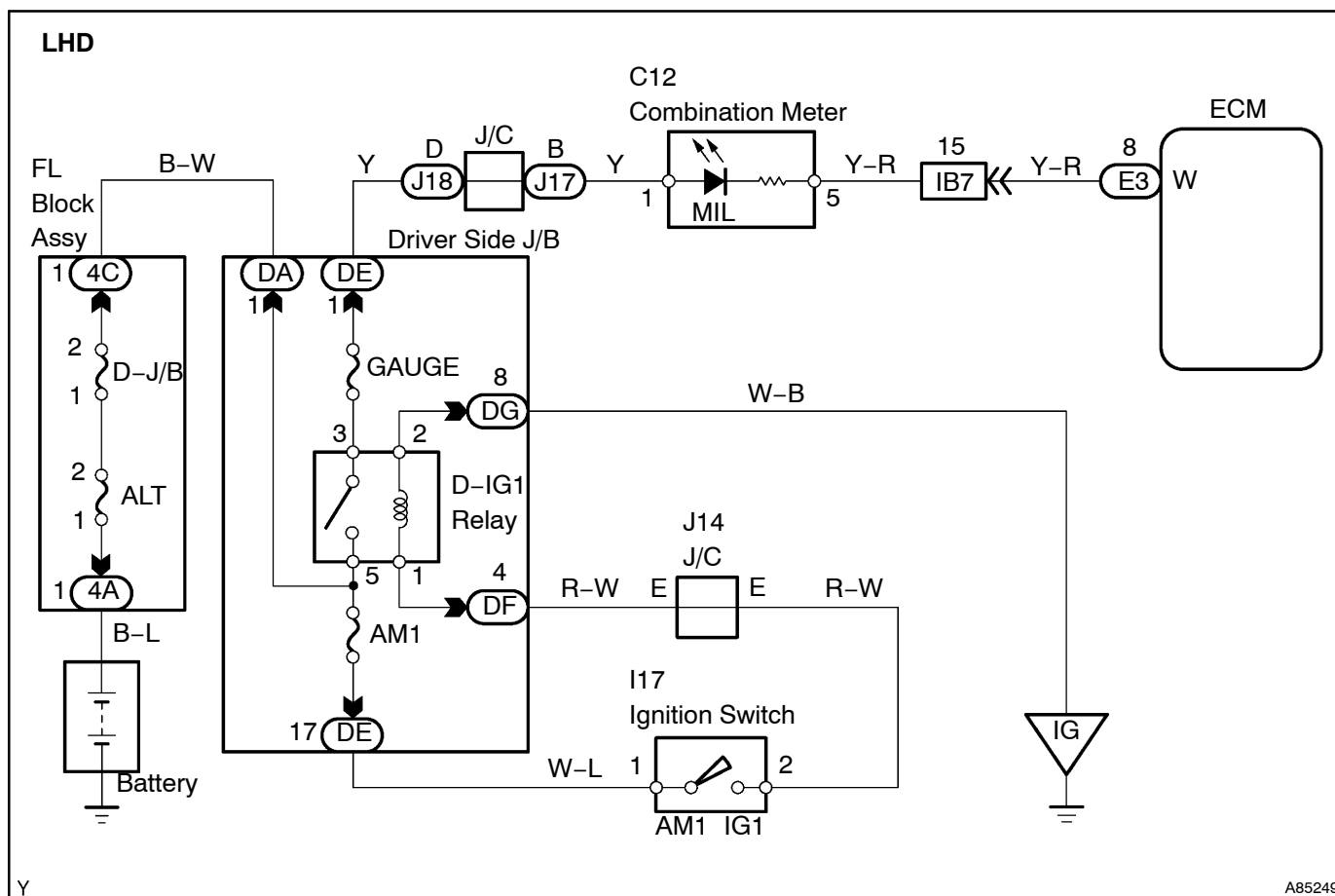
The Malfunction Indicator Lamp (MIL) is used to indicate the ECM's detection of a vehicle malfunction. The instrument panel GAUGE fuse provides the circuit with power and the ECM provides the circuit ground that illuminates the MIL.

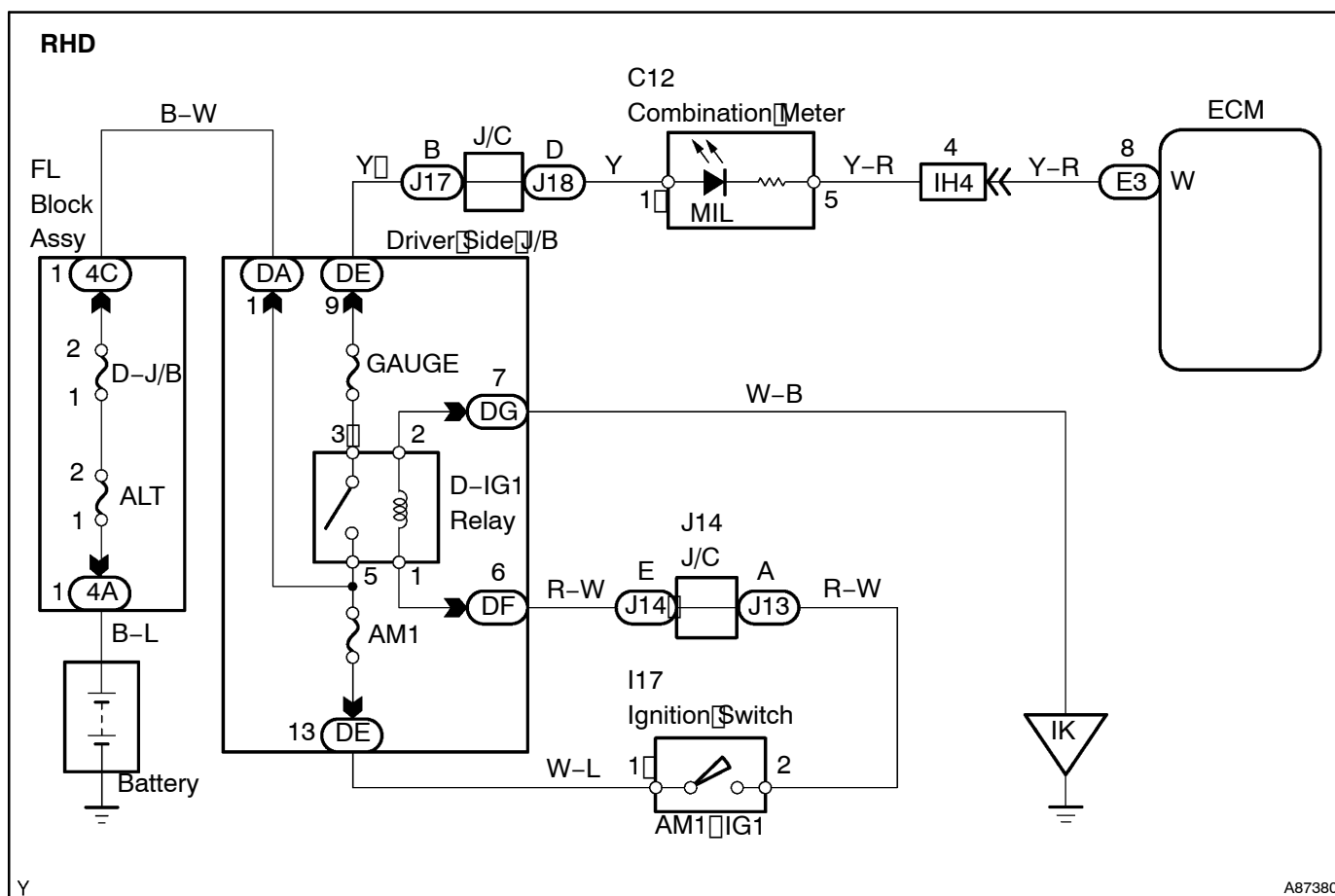
MIL operations should be checked visually:

The MIL should be illuminated when the ignition switch is turned ON. If the MIL is always ON or OFF, use the Intelligent Tester II and follow the procedures below to determine the cause of the problem.

If the ECM detects trouble, the MIL illuminates. At this time, the ECM records a DTC in the memory.

### WIRING DIAGRAM





## INSPECTION PROCEDURE

### HINT:

Troubleshoot each trouble symptom in accordance with the chart below.

MIL remains on	Start inspection from step 1
MIL is not illuminated	Start inspection from step 3

### 1 CLEAR DTC

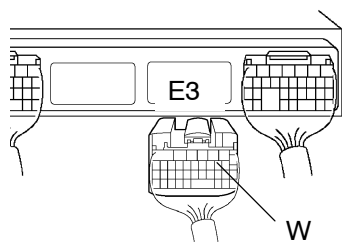
- Connect the Intelligent Tester II to the DLC3.
- Turn the Ignition switch ON and push the Intelligent Tester II main switch ON.
- Read DTC. Enter the following menus: Enter/Powertrain/Engine and ECT/DTC/Current.
- Clear the DTC. Enter the following menus: DTC/Clear.
- Check that MIL is not illuminated.

**OK: MIL is not illuminated.**

OK

**REPAIR CIRCUIT INDICATED BY OUTPUT DTC**  
(See page 05-36)

NG

**2 CHECK HARNESS AND CONNECTOR (CHECK FOR SHORT IN WIRE HARNESS)****ECM**

- (a) Disconnect the E3 ECM connector.
- (b) Turn the ignition switch ON.
- (c) Check that MIL is not illuminated.

**OK: MIL is not illuminated****OK****REPLACE ECM (See page 10-21)****NG****CHECK AND REPAIR HARNESS AND CONNECTOR****3 CHECK THAT MIL IS ILLUMINATED**

Check that the MIL is illuminated when turning the ignition switch ON.

**OK: MIL is illuminated****OK****SYSTEM OK****NG****4 INSPECT COMBINATION METER ASSY (MIL CIRCUIT)**See the combination meter troubleshooting section on [page 05-2135](#).**NG****REPAIR OR REPLACE BULB OR COMBINATION METER ASSEMBLY****OK****CHECK AND REPAIR HARNESS AND CONNECTOR (COMBINATION METER - ECM)**