

Battery positive voltage is supplied to terminal BATT of the ECM even when the ignition switch is OFF for use by the DTC memory and air-fuel ratio adaptive control value memory, etc.

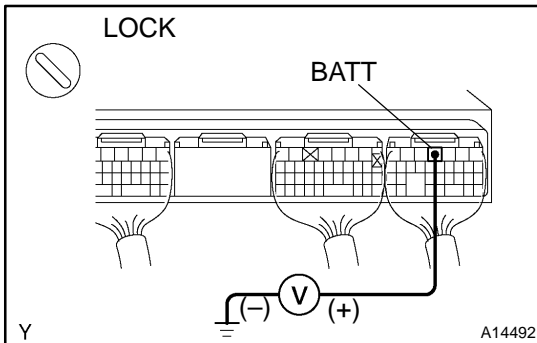
If DTC P1600 appear, the ECM does not store another DTC.

Wiring diagram for the ECM BATT line:

- Battery (B-L) connected to a fuse (1) in the Engine Room No.1 R/B.
- The line passes through a fuse (2) and a fuse (1) in the EFI section.
- The line is labeled B-L.
- The line passes through a fuse (3) labeled II4 and a fuse (4) labeled E6.
- The line is labeled B-Y.
- The line enters the ECM, where it is labeled BATT and has a diode symbol pointing towards the ECM.

Read freeze frame data using LEXUS hand-held tester or OBD II scan tool. Because freeze frame records the engine conditions when the malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.

# 1 Check voltage between terminal BATT of ECM connector and body ground.

**PREPARATION:**

Remove the engine room ECM cover and hood.

**CHECK:**

Measure the voltage between terminal BATT of the ECM connector and body ground.

**OK:**

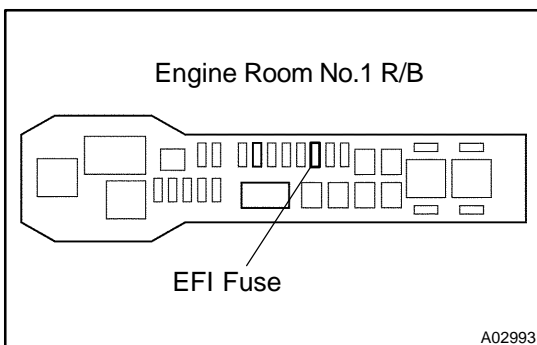
**Voltage: 9 – 14 V**

**OK**

**Check and replace ECM (See page [IN-32](#)).**

**NG**

# 2 Check EFI fuse of engine room No.1 R/B.

**PREPARATION:**

Remove the EFI fuse from the engine room No.1 R/B.

**CHECK:**

Check the continuity of the EFI fuse.

**OK:**

**Continuity**

**NG**

**Check for short in all harness and components connected to EFI fuse.**

**OK**

**Check and repair harness or connector between battery and EFI fuse, and EFI fuse and ECM (See page [IN-32](#)).**