

DTC	P1600	ECM BATT Malfunction
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CIRCUIT DESCRIPTION

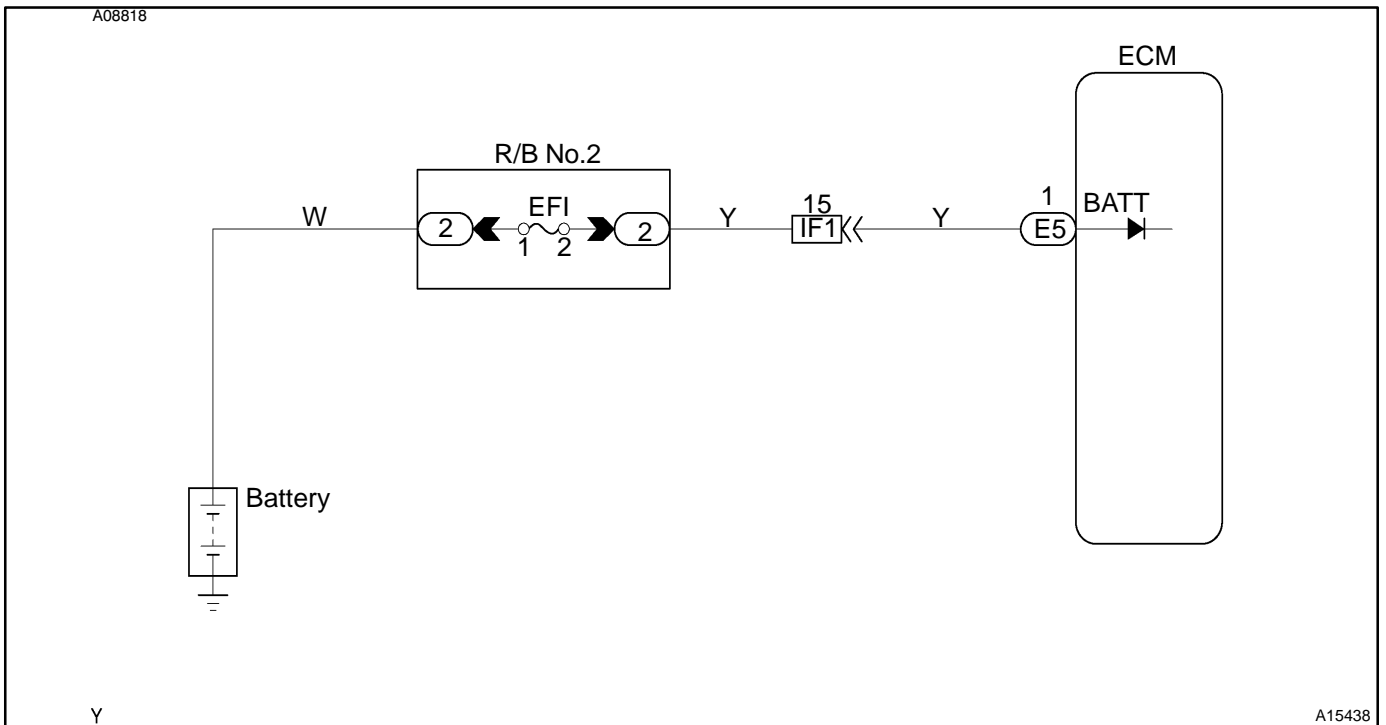
Battery positive voltage is supplied to terminal BATT of the ECM even when the ignition switch is OFF for use by the DTC memory and air-fuel ratio adaptive control value memory, etc.

DTC No.	DTC Detection Condition	Trouble Area
P1600	Open in back up power source circuit	<ul style="list-style-type: none"> • Open in back up power source circuit • ECM

HINT:

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

WIRING DIAGRAM

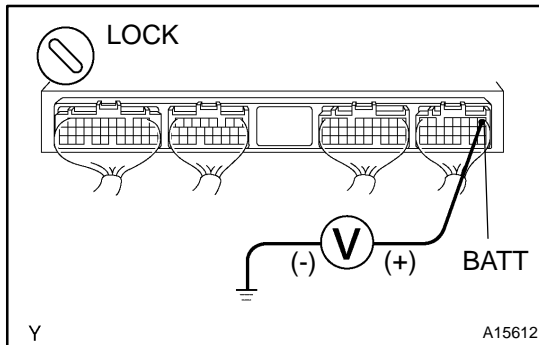


INSPECTION PROCEDURE

HINT:

Read freeze frame data using TOYOTA hand-held tester or OBD II scan tool, as freeze frame data records the engine conditions when a 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 glove compartment (See page [SF-49](#)).

CHECK:

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

OK:

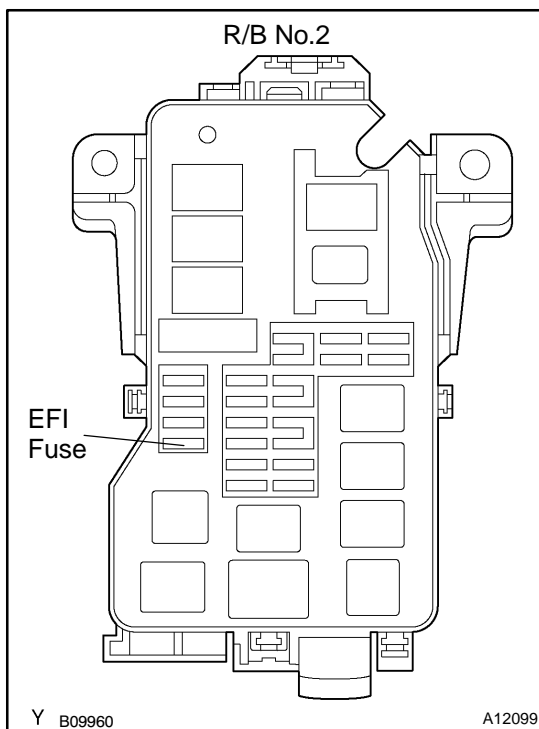
Voltage: 9 - 14 V

OK

Check and replace ECM (See page [IN-28](#)).

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2 Check EFI fuse.

**PREPARATION:**

Remove the EFI fuse from the R/B No.2.

CHECK:

Check the continuity of the EFI fuse.

OK:

Continuity

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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.