DI139–12

DTC	P1600	ENGINE ECU BATT Malfunction

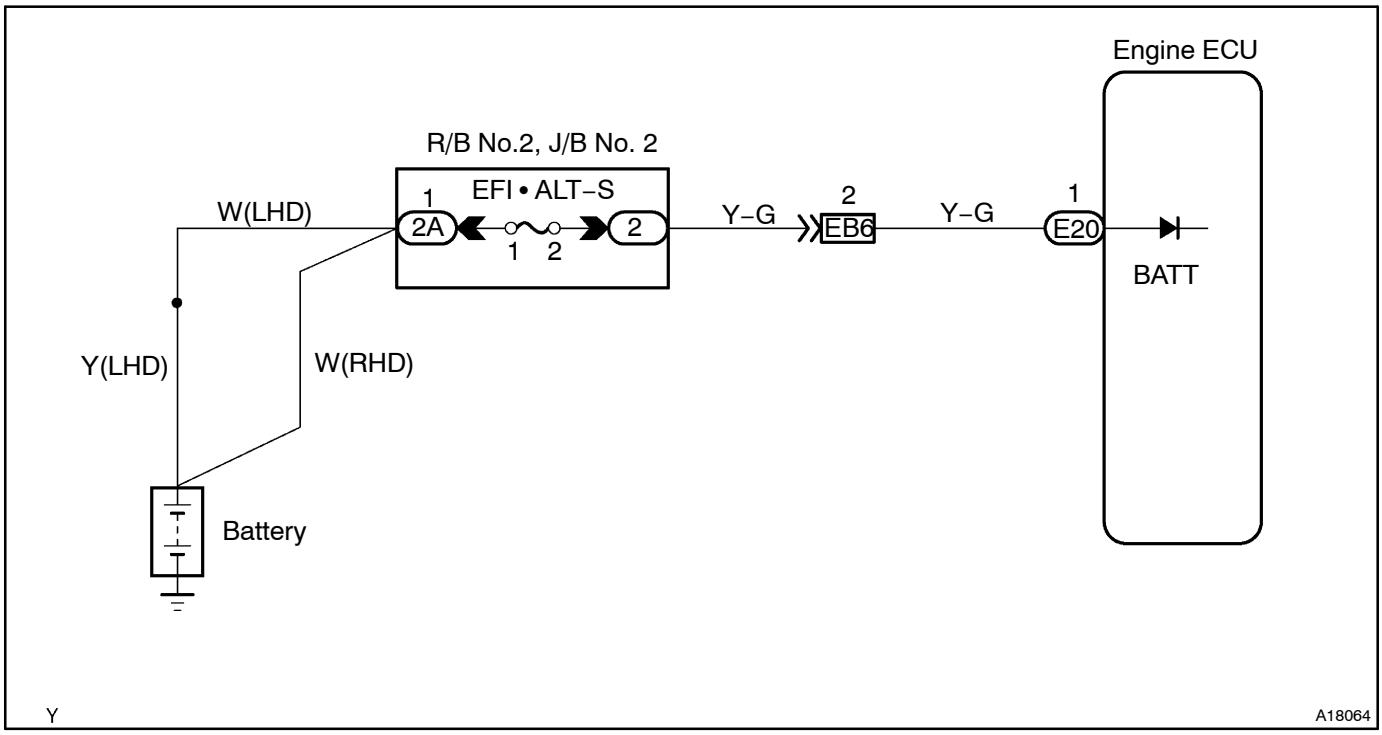
CIRCUIT DESCRIPTION

Battery positive voltage is supplied to terminal BATT of the engine ECU 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 (1 trip detection logic)	• Open in back up power source circuit • Engine ECU

HINT:
If DTC P1600 appear, the engine ECU does not store another DTC.

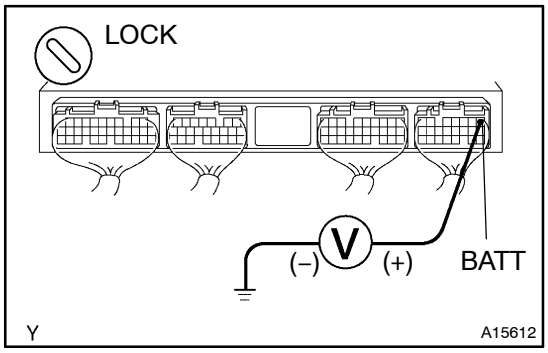
WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
Read freeze frame data using the hand–held tester. Because 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 engine ECU connector and body ground.

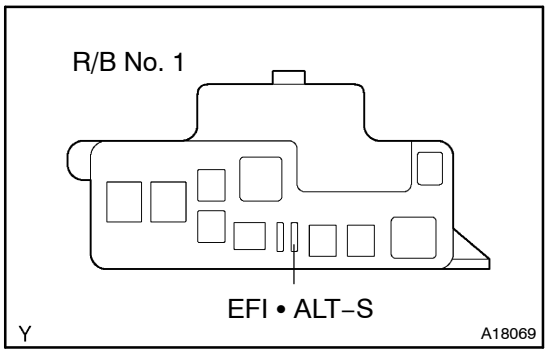


PREPARATION:
Remove the glove compartment.
CHECK:
Measure the voltage between terminal BATT of the engine ECU connector and the body ground.
OK:
Voltage: 9 – 14 V

OK	Check and replace engine ECU (See page IN–19).

NG

2	Check EFI • ALT–S fuse.



PREPARATION:
Remove the EFI • ALT–S fuse from the R/B No. 1.
CHECK:
Check the continuity of the EFI • ALT–S fuse.
OK:
Continuity

NG	Check for short in all harness and components connected to EFI • ALT–S fuse.

OK

Check and repair harness or connector between battery and EFI • ALT–S fuse, and EFI • ALT–S fuse and engine ECU.