

DTC	AlwaysON	MALFUNCTION IN ABS ECU
-----	----------	------------------------

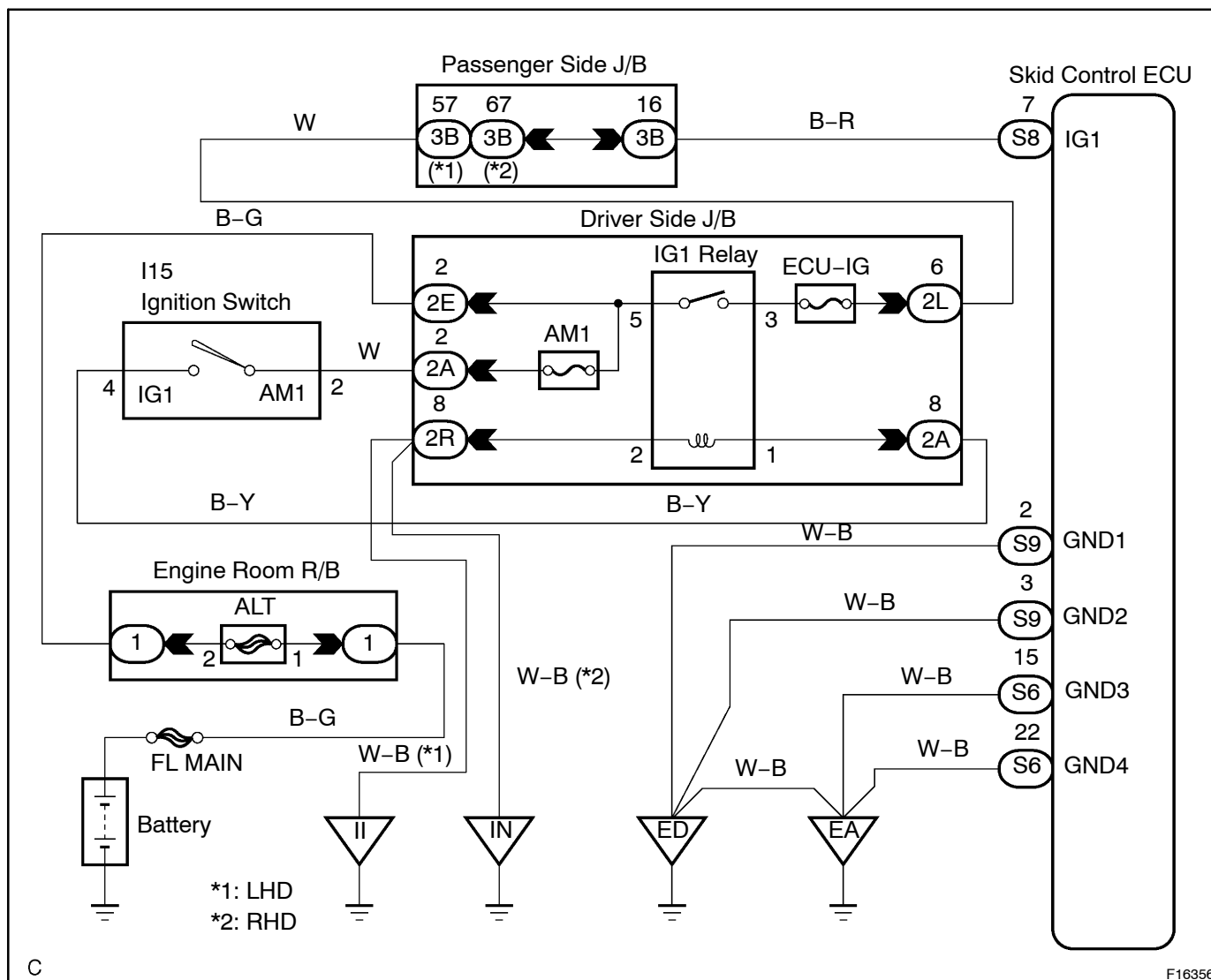
## CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
Always ON	Either of the following 1., 2. or 3. is detected: 1. Voltage of ECU terminal IG1 remains at more than 17 V. 2. The ECU connectors are off from the ECU. 3. There is a malfunction in the ECU internal circuit.	<ul style="list-style-type: none"> <li>• Battery</li> <li>• Charging system</li> <li>• Power source circuit</li> <li>• Skid control ECU</li> </ul>

HINT:

There is a case that hand-held tester cannot be used when ECU is abnormal.

## WIRING DIAGRAM



C

F16356

## INSPECTION PROCEDURE

## 1 CHECK SKID CONTROL ECU CONNECTOR SECURELY CONNECTED

NG CONNECT CONNECTORS

OK

## 2 RECONFIRM DTC (See page 05-511)

A	Normal Code
B	Malfunction Code

B REPAIR CIRCUIT INDICATED BY OUTPUT CODE

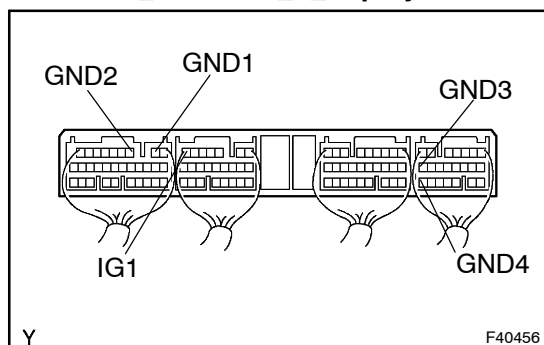
A

## 3 CHECK VOLTAGE OF ECU IG POWER SOURCE

## IN CASE OF USING THE HAND-HELD TESTER:

- (a) Select the item "IG VOLTAGE" in the DATA LIST and read its value displayed on the hand-held tester.  
 (b) Check the voltage condition output from the ECU displayed on the hand-held tester.

OK: "Normal" is displayed.



## IN CASE OF NOT USING THE HAND-HELD TESTER:

- (a) Remove the skid control ECU with connectors still connected.  
 (b) Turn the ignition switch ON, measure voltage between terminals IG1 and GND of skid control ECU connector.

OK: 10 - 14 V

OK CHECK AND REPAIR HARNESS AND CONNECTOR

NG

## 4 INSPECT BATTERY (TERMINAL VOLTAGE)

- (a) Check the battery positive voltage.

OK: 10 - 14 V

NG CHECK AND REPLACE CHARGING SYSTEM

OK

<b>5</b>	<b>CHECK HARNESS AND CONNECTOR (BATTERY - SKID CONTROL ECU ASSY)</b> (See page 01-31)
----------	--

<b>NG</b>	<b>CHECK AND REPAIR HARNESS AND CONNECTOR</b>
-----------	---

<b>OK</b>
-----------

<b>6</b>	<b>CHECK ABS WARNING LIGHT</b>
----------	--------------------------------

**IN CASE OF USING THE HAND-HELD TESTER:**

- (a) Select the item "ABS WARN LIGHT" in the ACTIVE TEST and operate the ABS warning light on the hand-held tester.
- (b) Check that "ON" and "OFF" of the ABS warning light can be shown on the combination meter by the hand-held tester.

**IN CASE OF NOT USING THE HAND-HELD TESTER:**

- (a) Turn the ignition switch OFF.
- (b) Disconnect the connector from the skid control ECU.
- (c) Turn the ignition switch ON.
- (d) Check the ABS warning light turns off.

<b>OK</b>	<b>CHECK AND REPLACE SKID CONTROL ECU ASSY</b>
-----------	--

<b>NG</b>
-----------

<b>CHECK AND REPLACE COMBINATION METER ASSY</b>
---