

DTC	AlwaysON	MALFUNCTION IN ABS ECU
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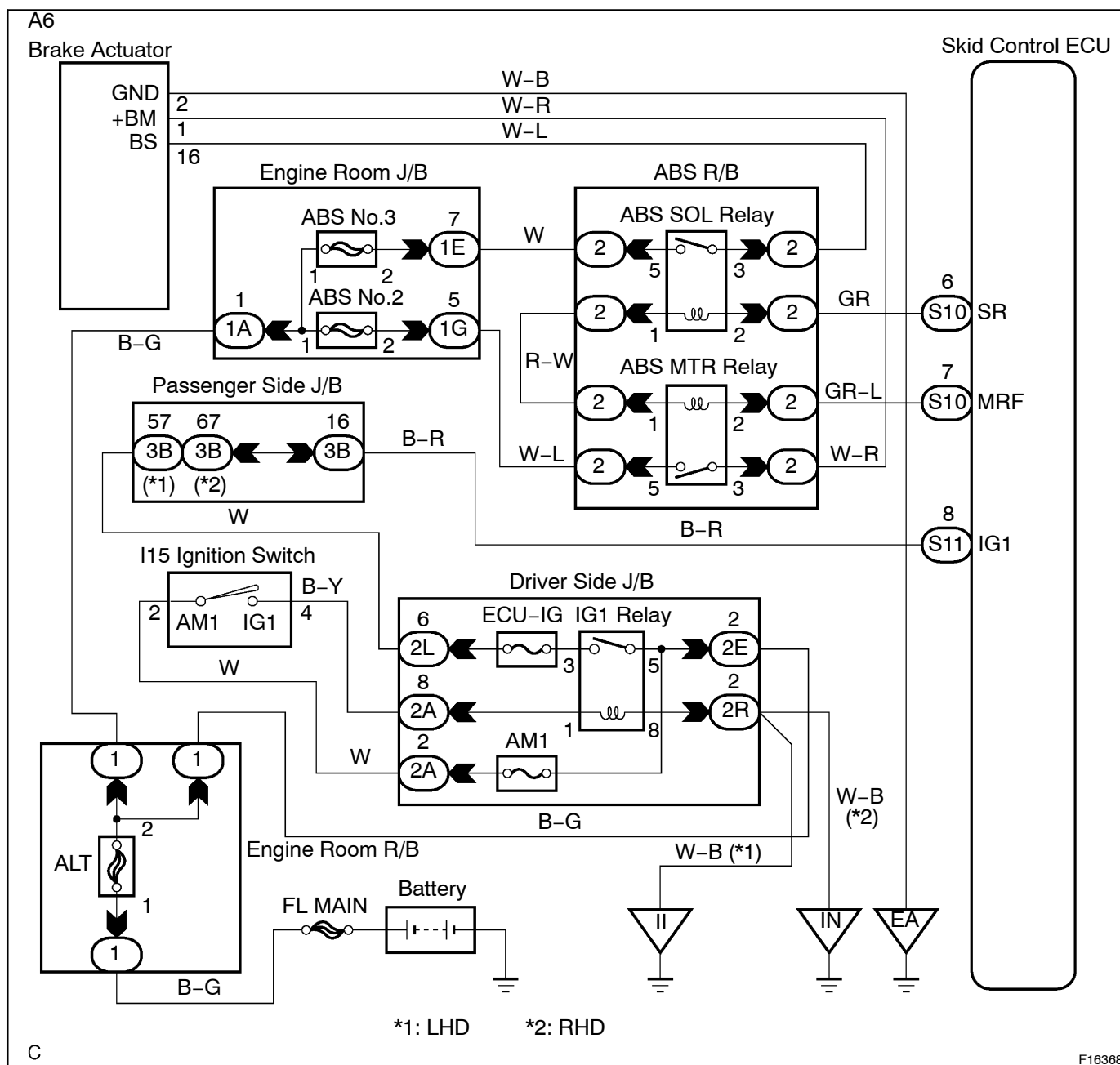
CIRCUIT DESCRIPTION

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 18.5 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"> • Battery • Charging system • Power source circuit • Skid control ECU

HINT:

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

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK SKID CONTROL ECU CONNECTOR SECURELY CONNECTED

NG CONNECT CONNECTORS

OK

2 RECONFIRM DTC (See page 05-451)

A

Normal Code

B

Malfunction Code

B

REPAIR CIRCUIT INDICATED BY OUTPUT CODE

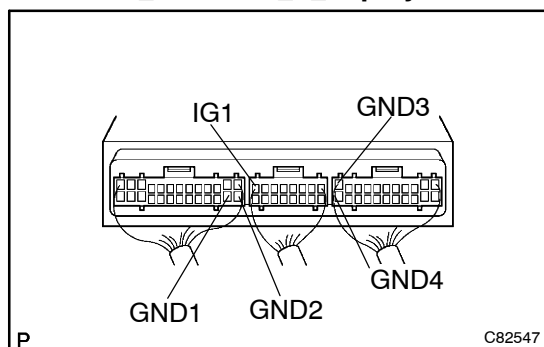
A

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 to 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

5 **CHECK HARNESS AND CONNECTOR (BATTERY - IG1 OF SKID CONTROL ECU ASSY)** (See page 01-31)

NG

CHECK AND REPAIR HARNESS AND CONNECTOR

OK

6 **CHECK ABS WARNING LIGHT**

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

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY

NG

CHECK AND REPLACE COMBINATION METER ASSY