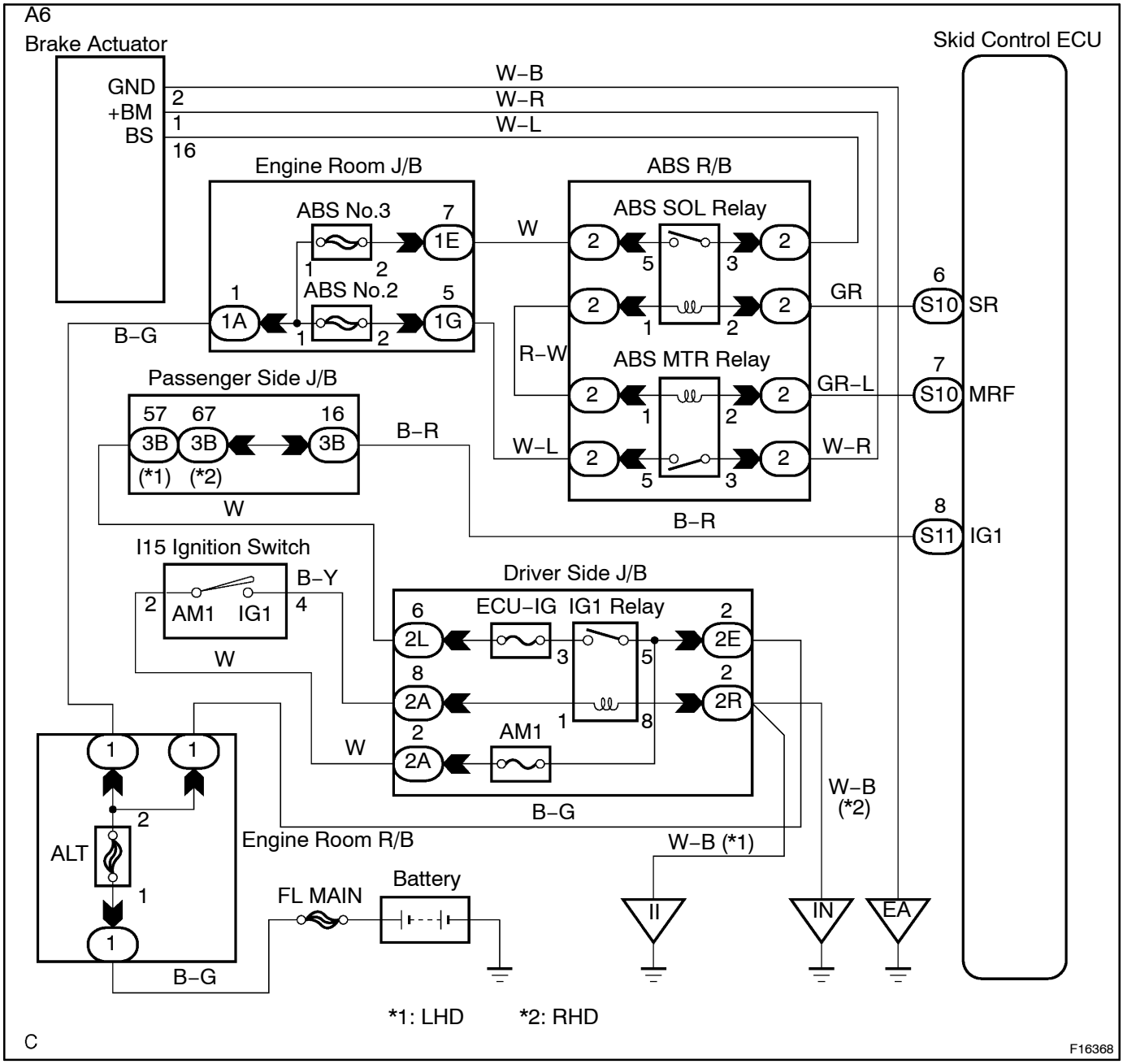
DTC AlwaysON MALFUNCTION IN ABS ECU

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 18.5 V. 2. The ECU connectors are off from the ECU. 3. There is a malfunction in the ECU internal circuit.	• 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

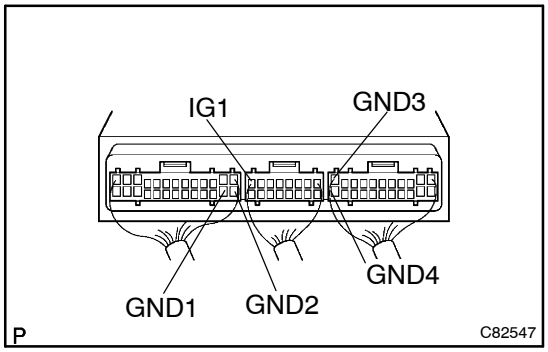
A

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 red 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