

<b>DTC</b>	<b>Always ON</b>	<b>Malfunction in ECU ABS Warning Light Circuit</b>
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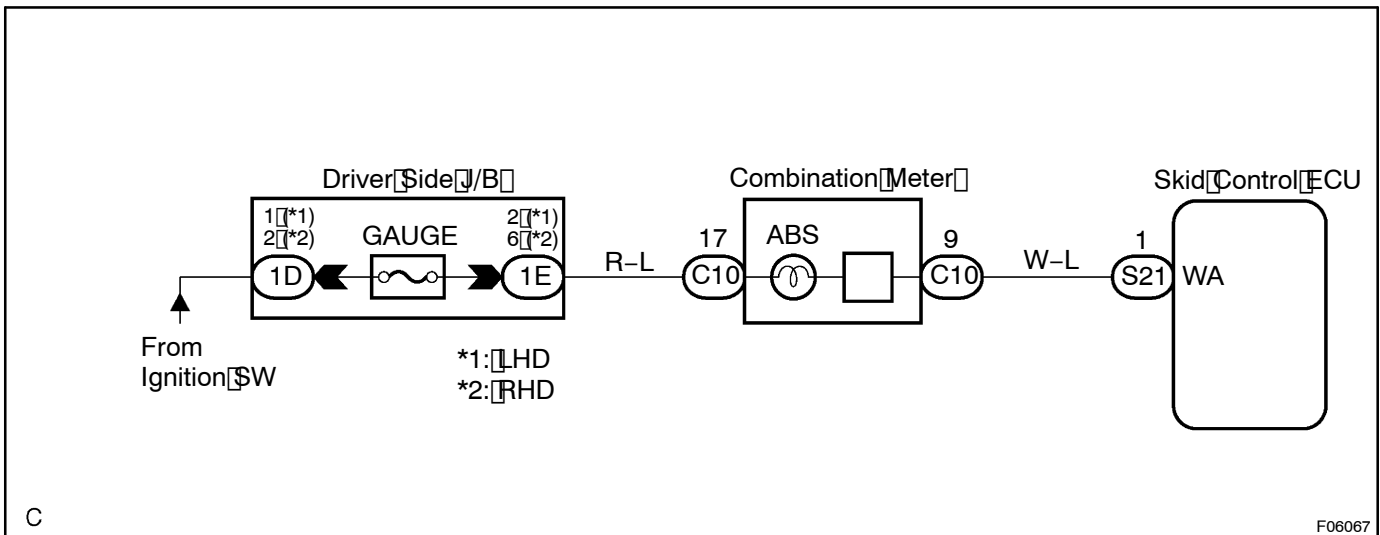
**CIRCUIT DESCRIPTION**

DTC No.	DTC Detecting Condition	Trouble Area
Always ON	Malfunction in skid control ECU	<ul style="list-style-type: none"> <li>• Power source circuit</li> <li>• ABS warning light circuit</li> <li>• Multiplex communication circuit</li> <li>• Skid control ECU</li> </ul>

**HINT:**

In some cases the hand-held tester cannot be used when the skid control ECU is abnormal.

**WIRING DIAGRAM**



**INSPECTION PROCEDURE**

1	Is DTC output?
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Check DTC on [page DI-318](#).

YES
Repair circuit indicated by the code output.

NO

**2 Check that the skid control ECU connectors are securely connected to the skid control ECU.**

**NO**

**Connect the connector to the skid control ECU.**

**YES**

**3 Check voltage of the ECU IG power source.**

**In case of using the hand-held tester:**

**PREPARATION:**

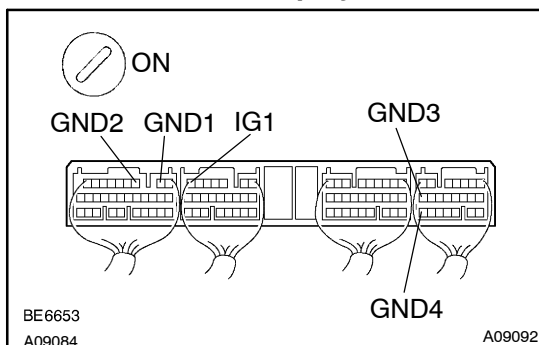
- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and turn the hand-held tester main switch ON.
- (c) Select the DATALIST mode on the hand-held tester.

**CHECK:**

Check the voltage condition output from the ECU observed in the hand-held tester.

**OK:**

**"Normal" is displayed.**



**In case of not using the hand-held tester:**

**PREPARATION:**

Remove the skid control ECU with the connectors still connected to it.

**CHECK:**

- (a) Turn the ignition switch ON.
- (b) Measure voltage between the terminals IG1 and GND of the skid control ECU.

**OK:**

**Voltage: 10 - 14 V**

**OK**

**Check and replace skid control ECU.**

**NG**

**4 Check battery voltage.**

**CHECK:**

Check the battery voltage.

**OK:**

**Voltage: 10 - 14 V**

NG

Check and repair the charging system.

OK

5 Check for open and short circuit in harness and connector between terminals C of DLC3 to skid control ECU (See page IN-34).

NG

Repair or replace harness or connector.

OK

6 Check operation of the ABS warning light.

**In case of using the hand-held tester:**

**PREPARATION:**

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and turn the hand-held tester main switch ON.
- (c) Select the ACTIVE TEST mode on the hand-held tester.

**CHECK:**

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:**

**PREPARATION:**

- (a) Turn the ignition switch OFF.
- (b) Disconnect the connector from the skid control ECU.
- (c) Turn the ignition switch ON.

**CHECK:**

Check that the ABS warning light lights up.

OK

Check and replace skid control ECU.

NG

7

Check for short circuit in harness and connector between skid control ECU and combination meter (See page IN-34).

NG

Repair or replace harness or connector.

OK

Repair or replace combination meter.