

DTC	Always ON	Malfunction in ECU ABS Warning Light Circuit
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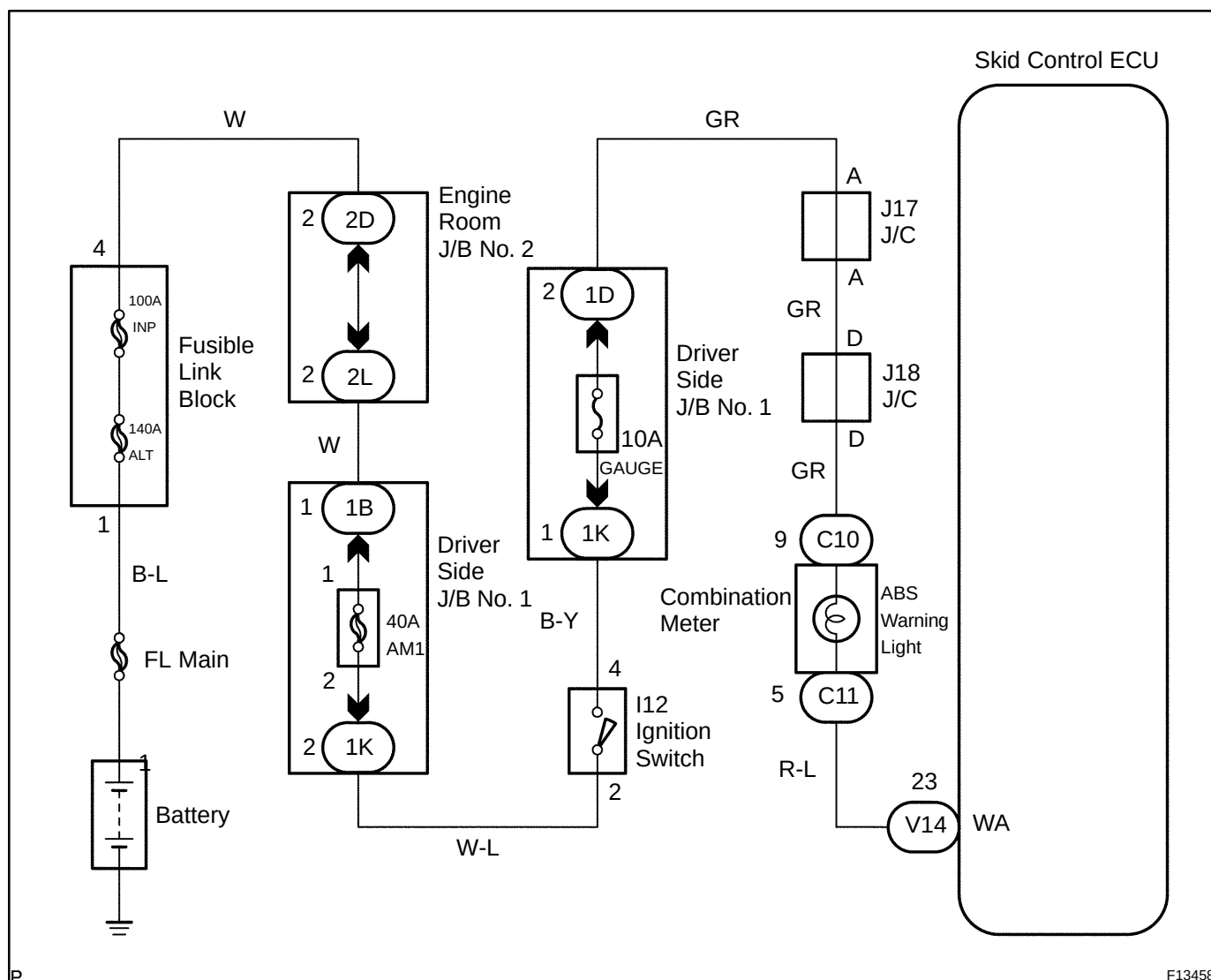
CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
Always ON	Either of the following 1., 2., 3. or 4. is detected: 1. The ECU connectors are OFF the ECU. 2. There is a malfunction in the ECU internal circuit. 3. There is a malfunction in ABS warning light circuit. 4. IG1 terminal voltage is 7 V or below.	• Battery • Power source circuit • Charging system • ABS warning light circuit

HINT:

TOYOTA hand-held tester may not be able to be used when the ECU is defective.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Is DTC output?

Check DTC on page [DI-259](#) .

YES

Repair circuit indicated by the output code .

NO

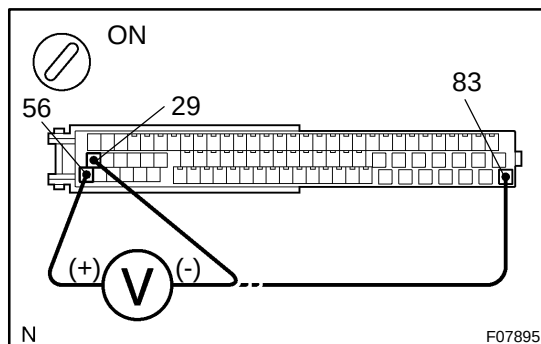
2 Check that the ECU connectors are securely connected to the ECU.

NO

Connect the connector to the ECU.

YES

3 Check voltage between terminals IG1 (56) and GND (29, 83) of skid control ECU.

**PREPARATION:**

Disconnect the connector from the skid control ECU.

CHECK:

- (a) Turn the ignition switch ON.
- (b) Measure the voltage between terminals 56 and 29, 83 of skid control ECU harness side connector.

OK:

Voltage: 10 - 14 V

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Check for open and short circuit in harness and connector between ECU-IG fuse and skid control ECU (See page [IN-31](#)).

OK

4 Check battery positive voltage.

CHECK:

Check the battery positive voltage.

OK:

Voltage: 10 - 14 V

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Check and repair the charging system (See page [CH-2](#)).

OK

5 Check the Tc terminal circuit (See page [DI-351](#)).

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Repair or replace the Tc terminal circuit.

OK

6 Check operation of the ABS warning light.

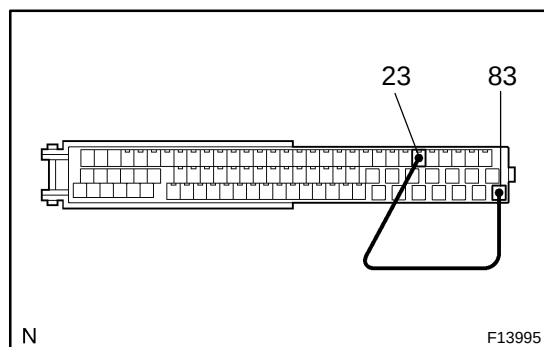
In case of using the TOYOTA hand-held tester:

PREPARATION:

- Connect the TOYOTA hand-held tester to the DLC3.
- Turn the ignition switch ON and push the TOYOTA hand-held tester main switch ON.
- Select the ACTIVE TEST mode on the TOYOTA hand-held tester.

CHECK:

Check that "ON" and "OFF" of the ABS warning light can be shown on the combination meter by the TOYOTA hand-held tester.



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

PREPARATION:

- Disconnect skid control ECU connector.
- Using service wire, connect terminal WA (23) and GND1 (83) of skid control ECU connector.
- Turn the ignition switch ON.

CHECK:

Check the ABS warning light goes off.

OK

Check and replace skid control ECU.

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7	Check ABS warning light.
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See the combination meter troubleshooting on page [BE-2](#) .

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Repair or replace bulb or combination meter.

OK

8	Check for open circuit in harness and connector between combination meter and skid control ECU (See page IN-31).
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Repeir or replace harness or connector.

OK

Check and replace skid control ECU.