

DTC	Always ON	Malfunction in ECU
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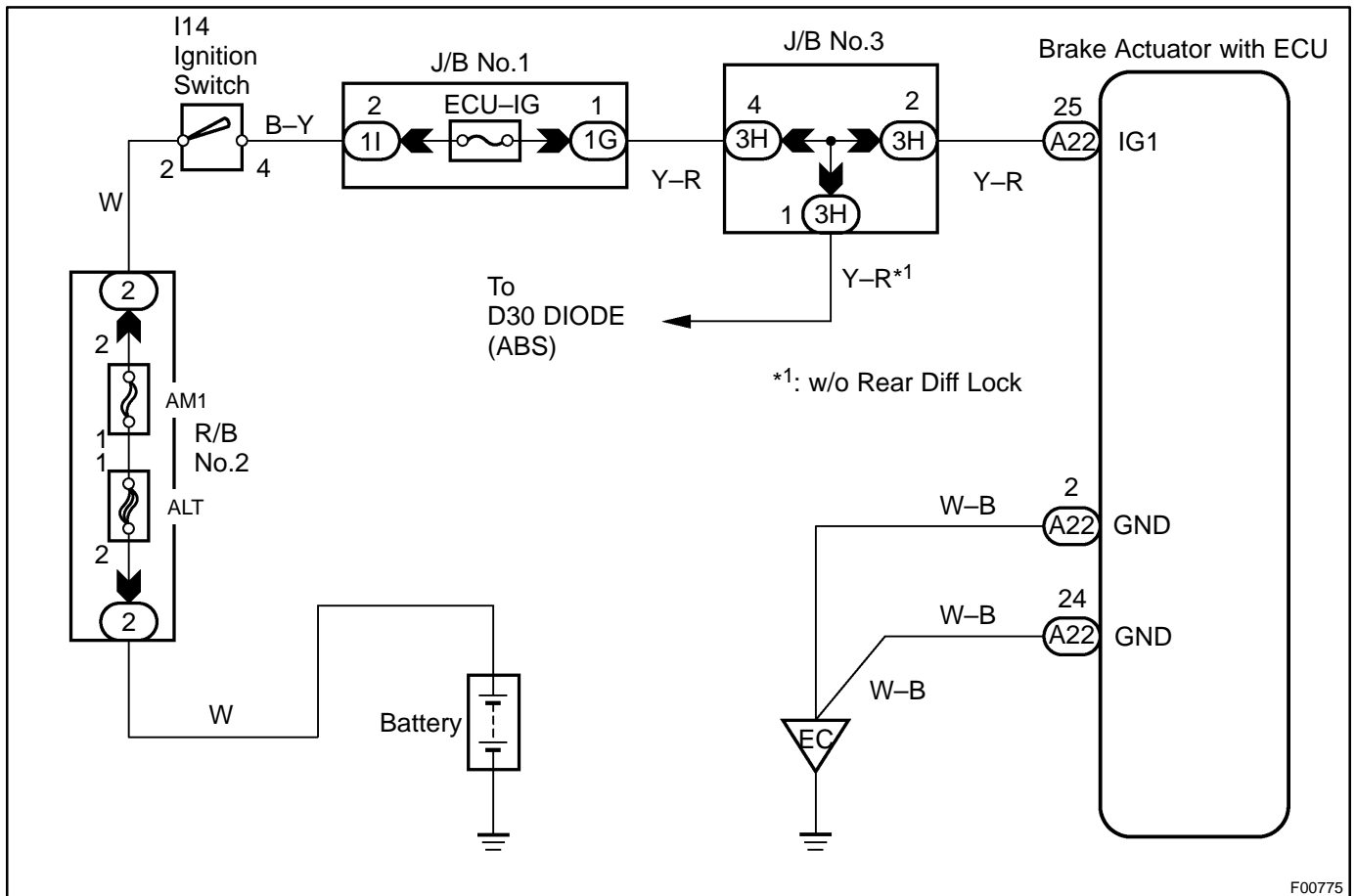
CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
Always ON	Either of the following 1. through 3. is detected: 1. The ECU connectors are OFF from the ECU. 2. There is a malfunction in the ECU internal circuit. 3. The voltage of terminal IG1 is more than 18.5 V.	<ul style="list-style-type: none"> • Battery • Charging system • Power source circuit • Skid control ECU • Wire harness

HINT:

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

WIRING DIAGRAM



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INSPECTION PROCEDURE

1	Check that the ECU connectors are securely connected to the ECU.
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NO	Connect the connector to the ECU.
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YES

2	Is DTC output?
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Check DTC on page [DI-534](#).

YES	Repair circuit indicated by the output code .
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NO

3	Is normal code displayed?
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YES	Check ABS solenoid relay. Check for short circuit in harness and connector between ABS solenoid relay and DLC3 (See page IN-28).
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NO

4	Does ABS warning light go off?
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YES	Check for open or short circuit in harness and connector between ECU-IG fuse and skid control ECU (See page IN-28).
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NO

5	Check battery positive voltage.
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CHECK:

Check the battery positive voltage.

OK:

Voltage: 10 – 14 V

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Check and repair the charging system.

OK

6	Check operation of the ABS warning light.
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In case of using hand-held tester:

PREPARATION:

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push 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 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 the ABS warning light goes OFF.

OK

Check and replace brake actuator ASSY.

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**Check for short circuit in harness and connector between combination meter and skid control ECU (See page [IN-28](#)).
Check ABS solenoid relay circuit (See page [DI-558](#)).**