

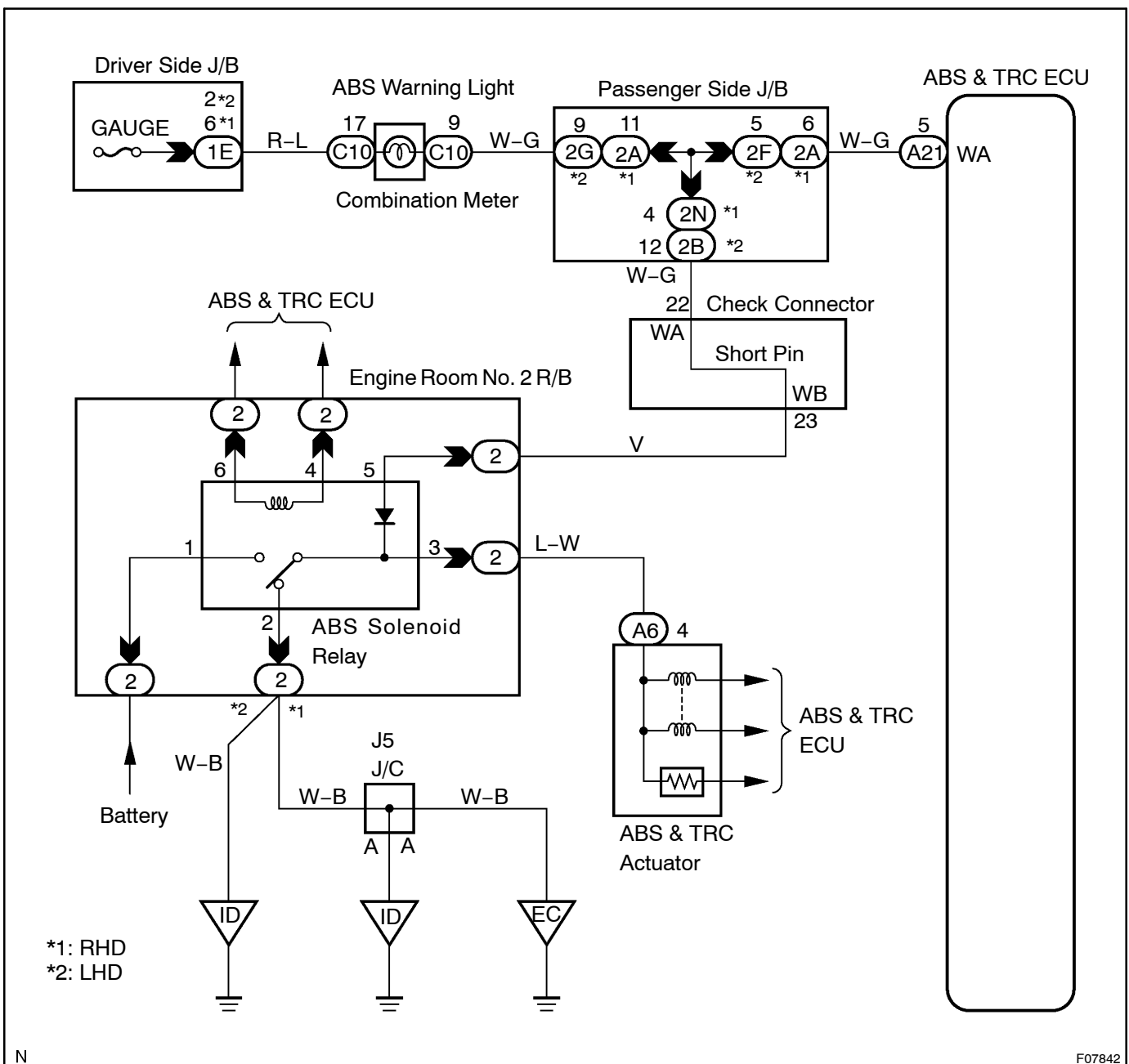
ABS Warning Light Circuit

CIRCUIT DESCRIPTION

If the ECU detects a trouble, it lights the ABS warning light while at the same time prohibiting ABS control. At this time, the ECU records a DTC in memory.

Connect terminals Tc and E₁ of the check connector or DLC3 to make the ABS warning light blink and output the DTC.

WIRING DIAGRAM



N

F07842

INSPECTION PROCEDURE

HINT:

Troubleshooting in accordance with the chart below for each trouble symptom.

ABS warning light does not light up	*1
ABS warning light remains on	*2

*1: Start the inspection from step 1 in case of using the hand-held tester and start from step 2 in case of not using hand-held tester.

*2: After inspection with step 4, start the inspection from step 5 in case of using the hand-held tester and start from step 6 in case of not using hand-held tester.

1	Check operation of the ABS warning light.
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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.

OK

Check and replace ABS & TRC ECU.

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2	Check ABS warning light.
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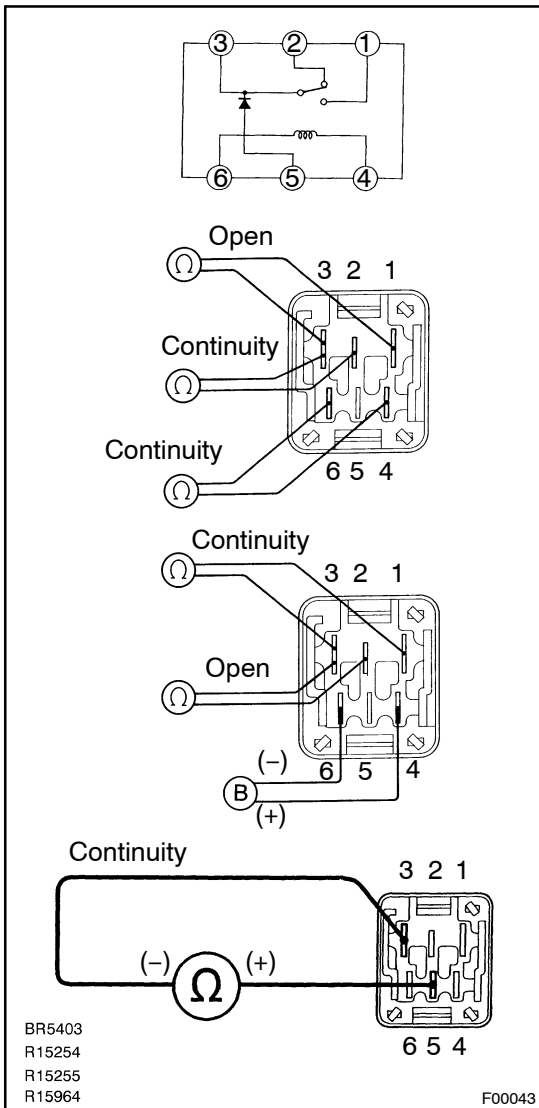
See combination meter troubleshooting (See page BE-2)

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Repair bulb or combination meter assembly (See page BE-80).

OK

3 Check ABS solenoid relay.



PREPARATION:

Remove ABS solenoid relay from engine room No. 2 R/B.

CHECK:

Check continuity between each terminal of ABS solenoid relay.

OK:

Terminals 4 and 6	Continuity (Reference value 30 Ω)
Terminals 2 and 3	Continuity
Terminals 1 and 3	Open

CHECK:

- Apply battery voltage between terminals 4 and 6.
- Check continuity between each terminal of ABS solenoid relay.

OK:

Terminals 2 and 3	Open
Terminals 1 and 3	Continuity

CHECK:

Connect the ⊕ test lead to terminal 5 and the ⊖ lead to terminal 3. Check continuity between the terminals.

OK:

Continuity

If no continuity exists, connect the ⊖ test lead to terminal 5 and the ⊕ lead to terminal 3. Recheck continuity between terminals.

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Ignition switch OFF, replace ABS solenoid relay.

OK

Repair or replace and check for open circuit in harness and connector between check connector and ABS solenoid relay and body ground (See page IN-32).

4 Check that the ABS & TRC ECU connectors are securely connected to the ABS & TRC ECU.

NO

Connect the connector to the ABS & TRC ECU.

YES

5 Check operation of the ABS warning light (See step 1).

OK

Check and replace ABS & TRC ECU.

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6 Is DTC output?

Check DTC on [page DI-223](#).

YES

Repair circuit indicated by the output code.

NO

7 Does ABS warning light go off if short pin is removed?

NO

Check for short circuit in harness and connector between warning light and check connector and ABS & TRC ECU (See [page IN-32](#)).

YES

8 Check ABS solenoid relay (See step 3).

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Ignition switch OFF, replace ABS solenoid relay.

OK

Check for short circuit in harness and connector between check connector and ABS solenoid relay (See page N-32).