

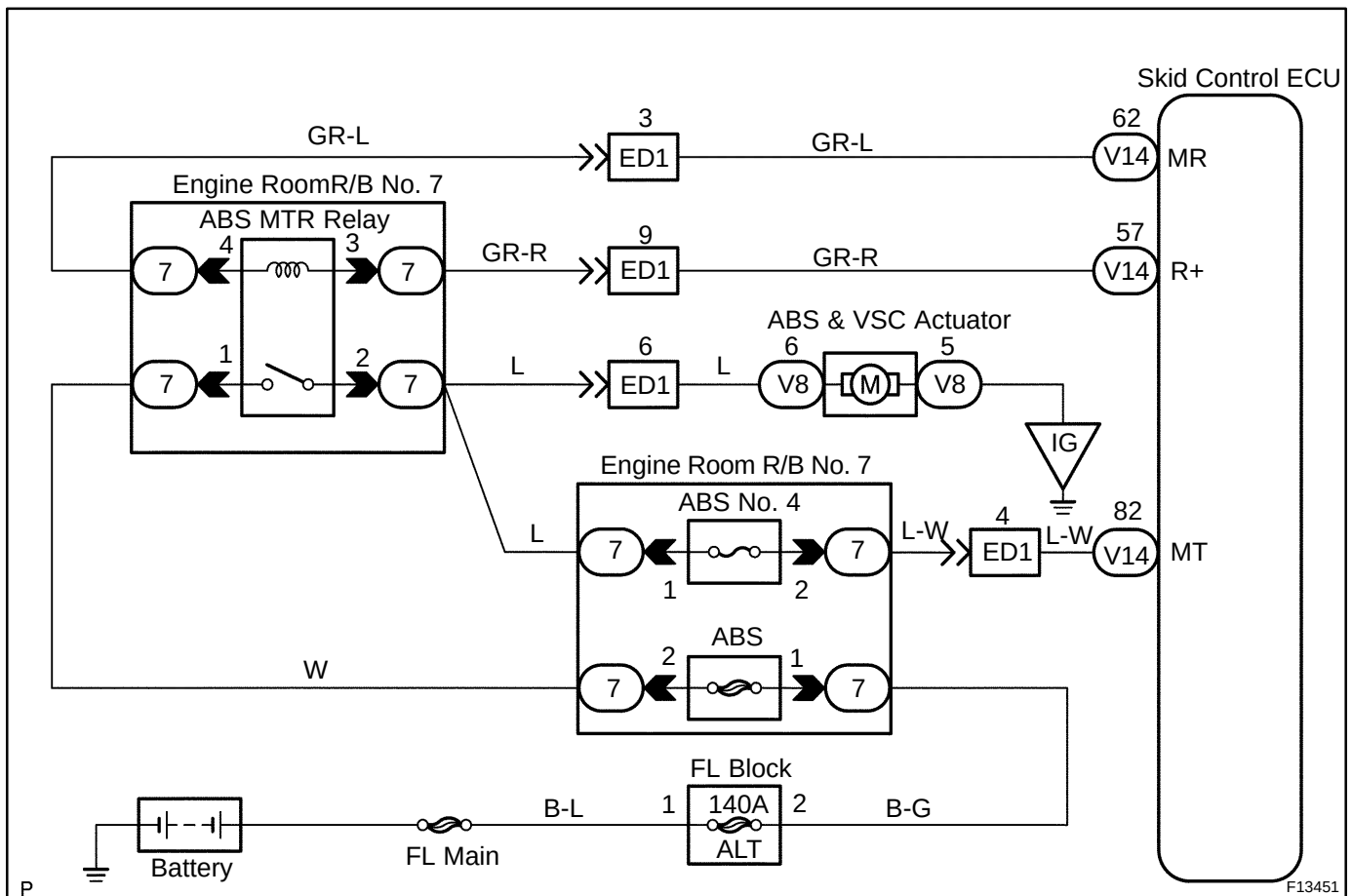
DTC	C0273 / 13	ABS MTR Relay Circuit
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CIRCUIT DESCRIPTION

The ABS MTR relay supplies power to the ABS & VSC actuator pump motor. While the ABS & BA & TRAC & VSC are activated, the ECU switches the motor relay ON and operates the ABS & VSC actuator pump motor.

DTC No.	DTC Detecting Condition	Trouble Area
C0273 / 13	Open or short circuit is detected.	• ABS MTR relay • ABS MTR relay circuit • Battery

WIRING DIAGRAM



F13451

INSPECTION PROCEDURE

HINT:

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

1	Check ABS MTR relay operation.
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PREPARATION:

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

CHECK:

Check the operation sound of the ABS MTR relay individually when operating it with the TOYOTA hand-held tester.

OK:

The operation sound of the ABS MTR relay should be heard.

OK

Go to step 4.

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2	Check battery positive voltage.
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OK:

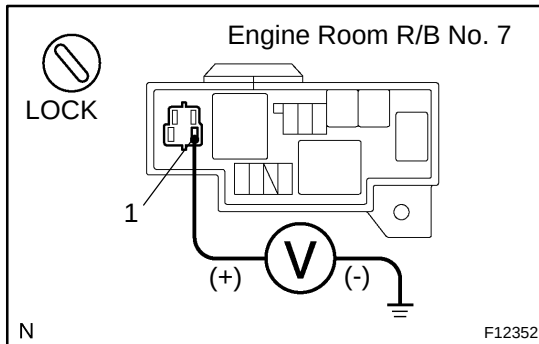
voltage: 10 - 14 V

NG

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

OK

3 Check voltage between terminal 1 of engine room R/B No. 7 (for ABS MTR relay) and body ground.



PREPARATION:

Remove the ABS MTR relay from engine room R/B No. 7.

CHECK:

Measure the voltage between terminal 1 of engine room R/B No. 7 (for ABS MTR relay) and body ground.

OK:

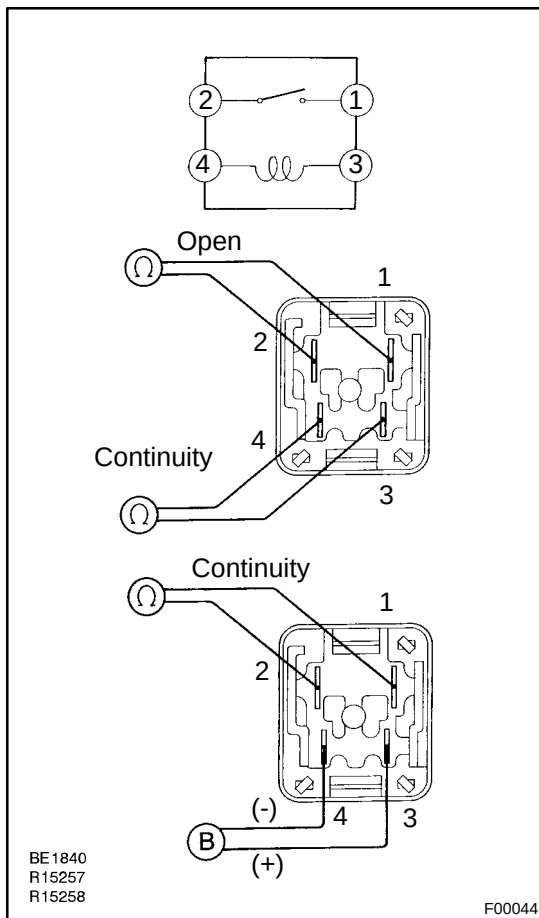
Voltage: 10 - 14 V

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Check and repair harness or connector.

OK

4 Check ABS MTR relay.



CHECK:

Check continuity between following terminals of MTR relay.

OK:

Terminals 3 and 4	Continuity (Reference value 62 Ω)
Terminals 1 and 2	Open

CHECK:

- Apply battery positive voltage between terminals 3 and 4.
- Check continuity between terminals.

OK:

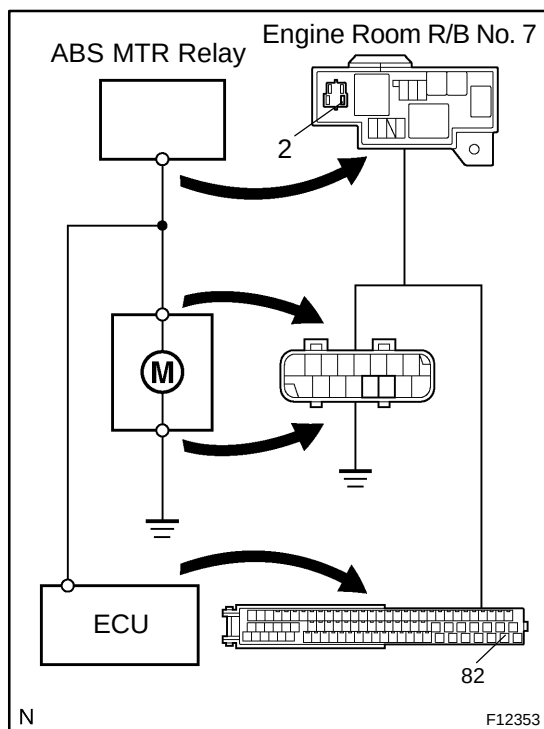
Terminals 1 and 2	Continuity
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Replace ABS MTR relay.

OK

- 5 Check continuity between terminal BM (2) of engine room R/B No. 7 (for ABS MTR relay) and terminal MT (82) of skid control ECU.**

**PREPARATION:**

Disconnect the connector from the skid control ECU.

CHECK:

Check continuity between terminal BM (2) of engine room R/B No. 7 and terminal MT (82) of skid control ECU harness side connector.

OK:

Continuity

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Repair or replace harness.

OK

- 6 Check for open and short circuit in harness and connector between ABS MTR relay and skid control ECU (See page [IN-31](#)).**

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Repair or replace harness or connector.

OK

If the same code is still output after the DTC is deleted, check the contact condition of each connection. If the connections are normal, the ECU may be defective.