

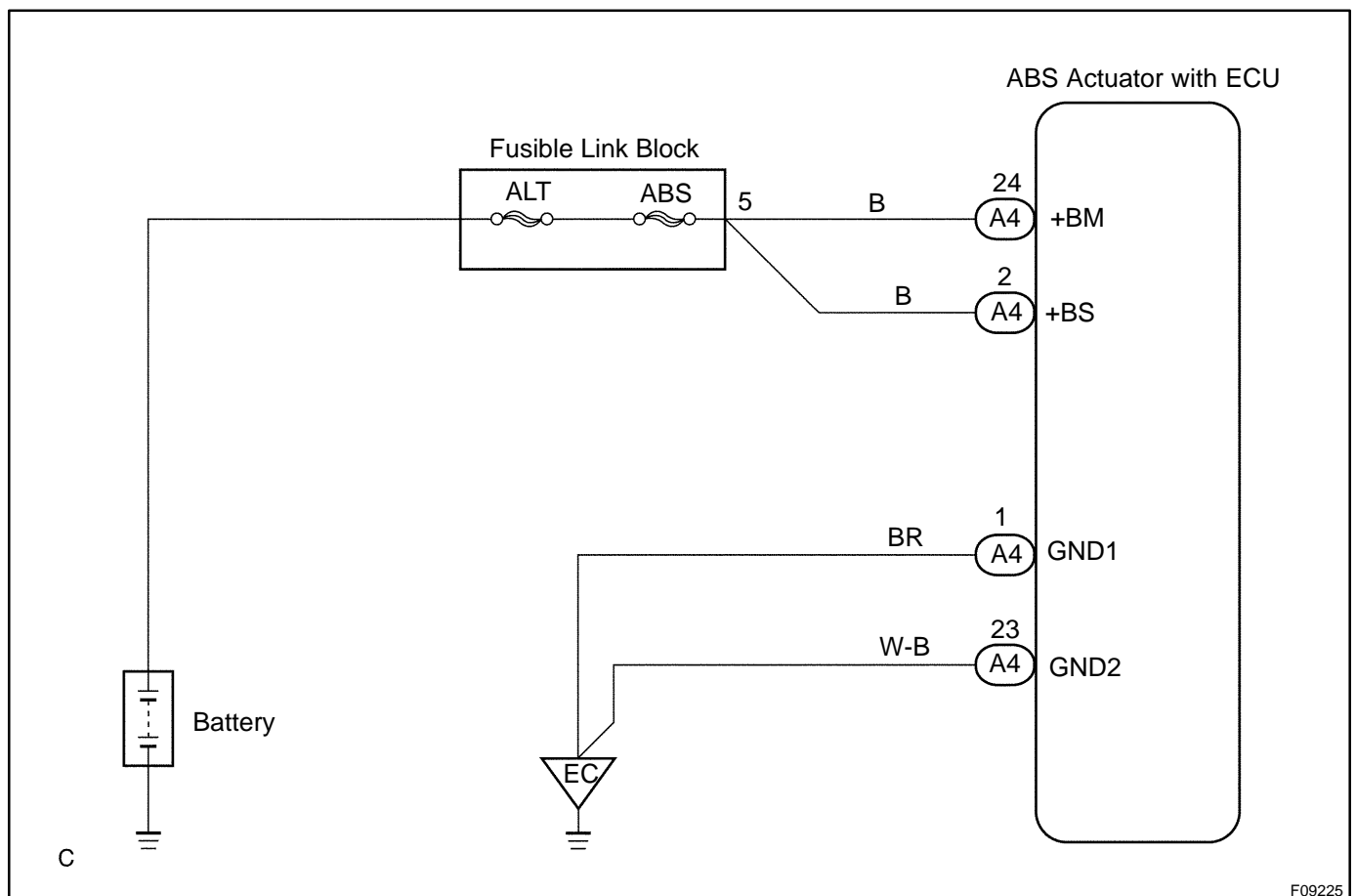
DTC	C0273 / 13, C0274 / 14	ABS Motor Relay Circuit
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CIRCUIT DESCRIPTION

The ABS motor relay supplies power to the ABS pump motor. While the ABS is activated, the ECU switches the ABS motor relay ON and operates the ABS pump motor.

DTC No.	DTC Detecting Condition	Trouble Area
C0273 / 13	Detection of any conditions in 1. and 2.: 1. When ABS motor relay is ON, relay contact is OFF for 0.2 sec. or longer. 2. When ABS motor relay is turned ON, relay contact is OFF for 0.5 sec. or longer.	<ul style="list-style-type: none"> • ABS motor relay • ABS motor relay circuit • ABS motor voltage
C0274 / 14	Detection of any conditions in 1. and 2.: 1. When ABS motor relay is OFF, relay contact is ON for 0.2 sec. or longer. 2. When ABS motor relay is turned OFF, relay contact is ON for 2 sec. or longer.	

WIRING DIAGRAM



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 TOYOTA hand-held tester.

1	Check ABS motor 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 motor individually when operating it with the TOYOTA hand-held tester.

OK:

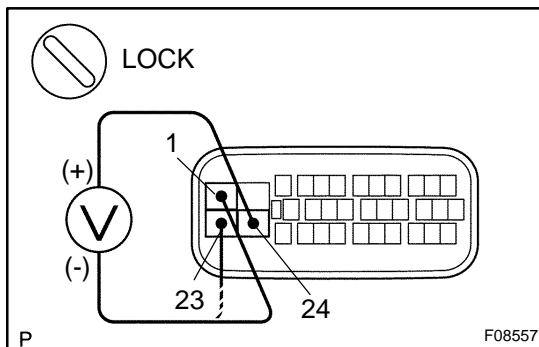
The operation sound of the ABS motor should be heard.

NG

Check and replace ABS actuator assembly.

OK

2	Check voltage between terminals +BM (24) and GND (1, 23) of ABS ECU connector.
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PREPARATION:

Disconnect the ABS ECU connector.

CHECK:

Measure the voltage between terminals 24 and 1, 23 of ABS ECU harness side connector.

OK:

Voltage: 10 - 14 V

NG

Check and replace ABS fuse.
Check and repair 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 connection is normal, the ECU may be defective.