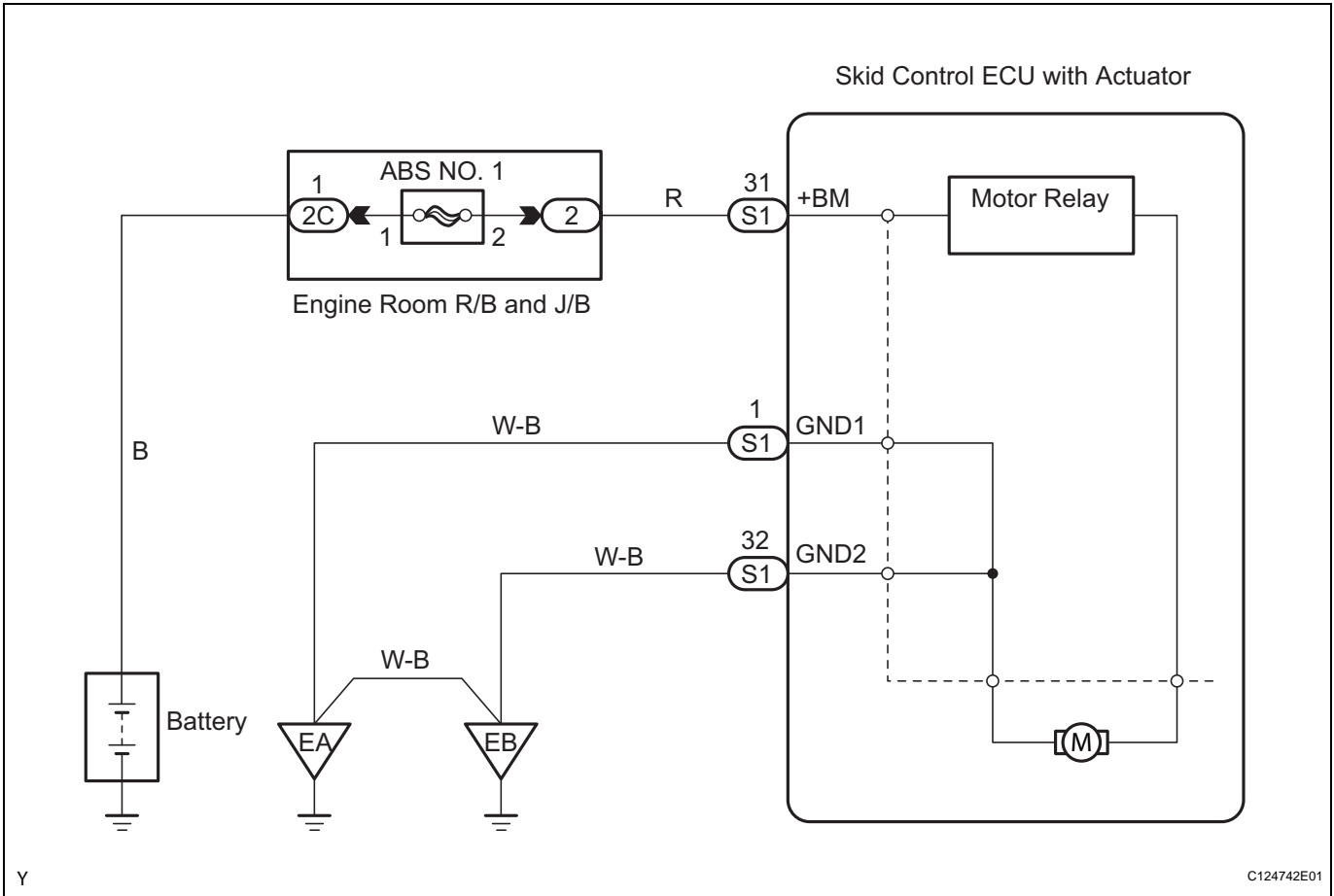


DTC	C1251/51	Open in Pump Motor Circuit
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DESCRIPTION

DTC No.	DTC Detecting Conditions	Trouble Areas
C1251/51	<ul style="list-style-type: none"> • Actuator pump motor does not operate properly. • Open in actuator pump motor circuit continues for at least 2 seconds. 	<ul style="list-style-type: none"> • Brake actuator • Brake actuator circuit

WIRING DIAGRAM



Start the inspection from step 1 when using an intelligent tester and start from step 3 when not using an intelligent tester.

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER
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- (a) Connect the intelligent tester to the DLC3.
- (b) Start the engine.
- (c) Turn the intelligent tester ON.
- (d) Select the ACTIVE TEST mode on the intelligent tester.
- (e) Check the operation sound of the ABS motor individually when operating it with the intelligent tester.

Item	Vehicle Condition / Test Details	Diagnostic Note
ABS MOT RELAY	Turns ABS motor relay ON / OFF	Operation of motor can be heard

OK:

The operation sound of the ABS motor should be heard.

NG → Go to step 3

OK

2 RECONFIRM DTC

- (a) Clear the DTCs (See page BC-16).
- (b) Check if the same DTCs are detected.

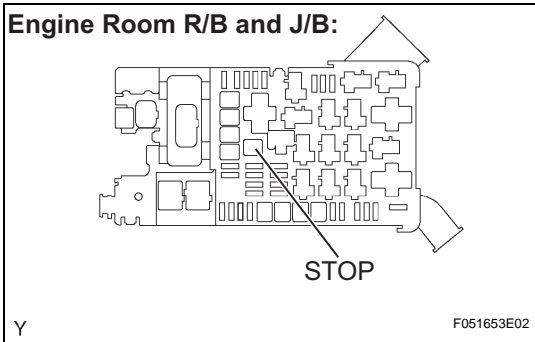
Result	Proceed to
DTC output	A
DTC not output	B

B → END

A

REPLACE BRAKE ACTUATOR

3 INSPECT FUSE (ABS NO. 1)



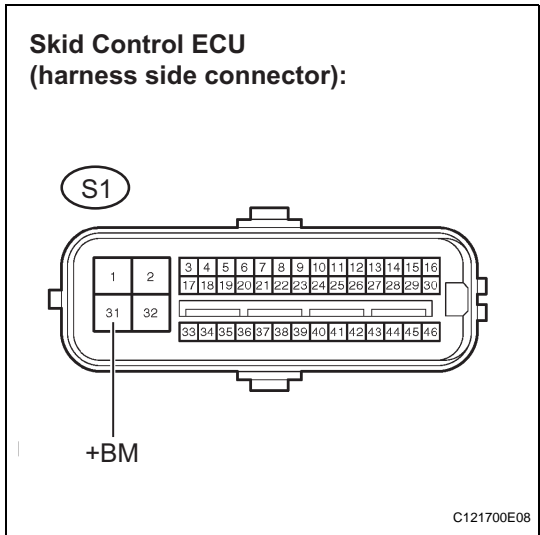
- (a) Remove the ABS NO. 1 fuse from the engine room R/B and J/B.
- (b) Measure the resistance of the ABS NO. 1 fuse.
Standard Resistance:
Below 1 Ω
- (c) Reinstall the ABS NO. 1 fuse.

NG → **CHECK FOR SHORTS IN ALL HARNESSSES AND CONNECTORS CONNECTED TO FUSE AND REPLACE FUSE**

OK

BC

4 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE (+BM TERMINAL)



- (a) Disconnect the skid control ECU connector.
- (b) Measure the voltage.

Standard Voltage

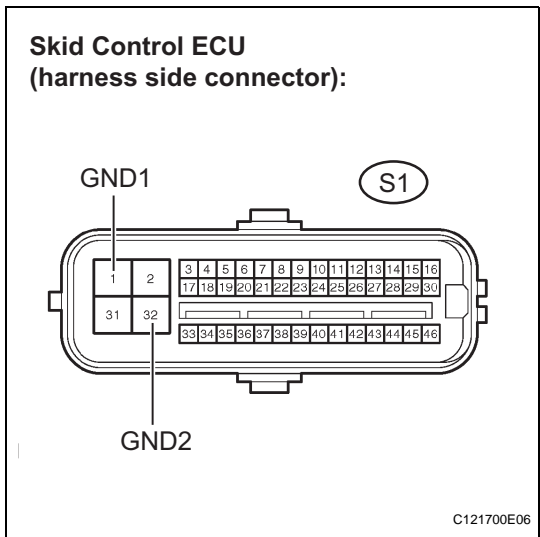
Tester Connection	Specified Condition
S1-31 (+BM) - Body ground	10 to 14 V

- (c) Reconnect the skid control ECU connector.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5 CHECK HARNESS AND CONNECTOR (GND1, GND2 - BODY GROUND)



- (a) Disconnect the skid control ECU connector.
- (b) Measure the resistance.

Standard Resistance

Tester Connection	Specified Condition
S1-1 (GND1) - Body ground	Below 1 Ω
S1-32 (GND2) - Body ground	Below 1 Ω

- (c) Reconnect the skid control ECU connector.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE BRAKE ACTUATOR

BC