

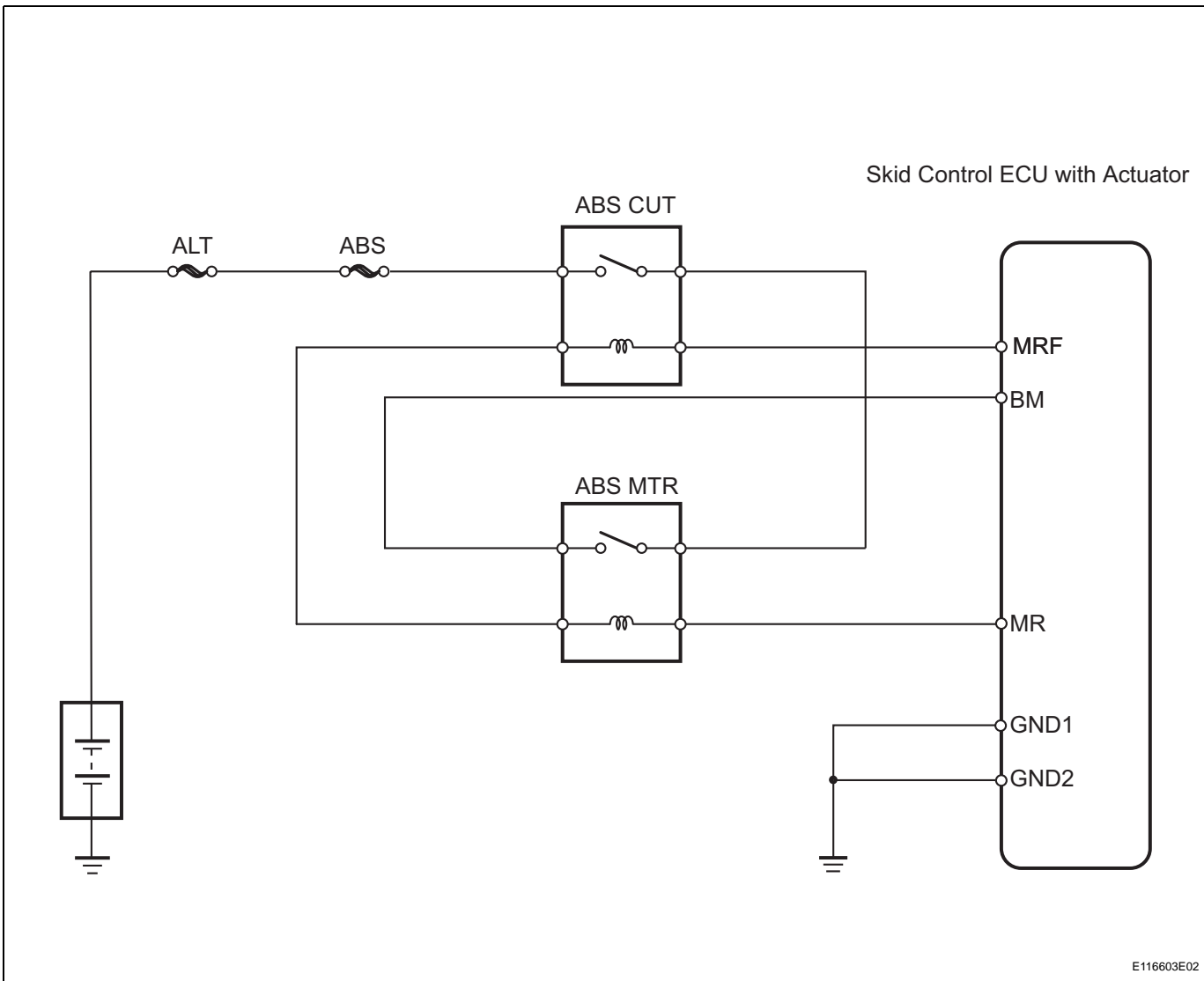
DTC	C1251/51	Open in Pump Motor Circuit
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DESCRIPTION

The ABS pump MTR is located inside the brake actuator.

DTC No.	DTC Detection Condition	Trouble Area
C1251/51	When either condition below is met: <ul style="list-style-type: none"> • Actuator pump MTR does not operate properly • Actuator pump MTR circuit remains open for at least 2 seconds 	<ul style="list-style-type: none"> • Skid control ECU with actuator • Skid control ECU with actuator circuit

WIRING DIAGRAM



BC

1	CHOOSE DIAGNOSIS METHOD
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(a) Choose the diagnosis method.

Method

Method	Proceed to
Using intelligent tester	A
Not using intelligent tester	B

B → **Go to step 3**

A

2 PERFORM ACTIVE TEST BY INTELLIGENT TESTER (ABS MTR RELAY)

- (a) Select the ACTIVE TEST, generate a control command, and then check that the ABS MTR relay operates.

Skid control ECU with actuator

Item	Vehicle Condition / Test Details	Diagnostics Note
ABS MOT RELAY	Turn ABS MTR relay ON / OFF	Operation sound of MTR can be heard

OK:

Operation sound of ABS MTR is heard.

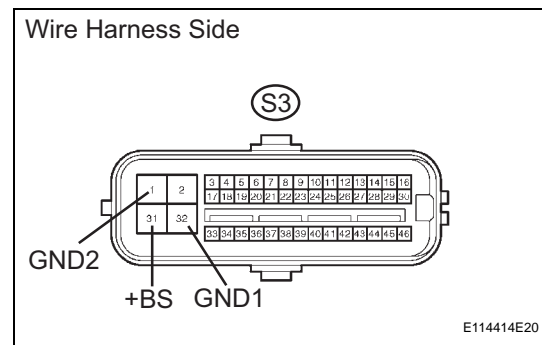
HINT:

When replacing the skid control ECU with actuator, perform the zero point calibration (see page BC-11).

OK → **REPLACE BRAKE ACTUATOR ASSEMBLY**

NG

3 CHECK WIRE HARNESS (SKID CONTROL ECU - BATTERY AND BODY GROUND)



- (a) Disconnect the S3 ECU connector.
- (b) Measure the voltage of the wire harness side connector.
Standard voltage

Tester Connection	Specified Condition
S3-31 (+BS) - Body ground	10 to 14 V

- (c) Measure the resistance of the wire harness side connector.
Standard resistance

Tester Connection	Specified Condition
S3-32 (GND1) - Body ground	Below 1 Ω
S3-1 (GND2) - Body ground	

HINT:

When replacing the skid control ECU with actuator, perform the zero point calibration (see page BC-11).

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

REPLACE BRAKE ACTUATOR ASSEMBLY