

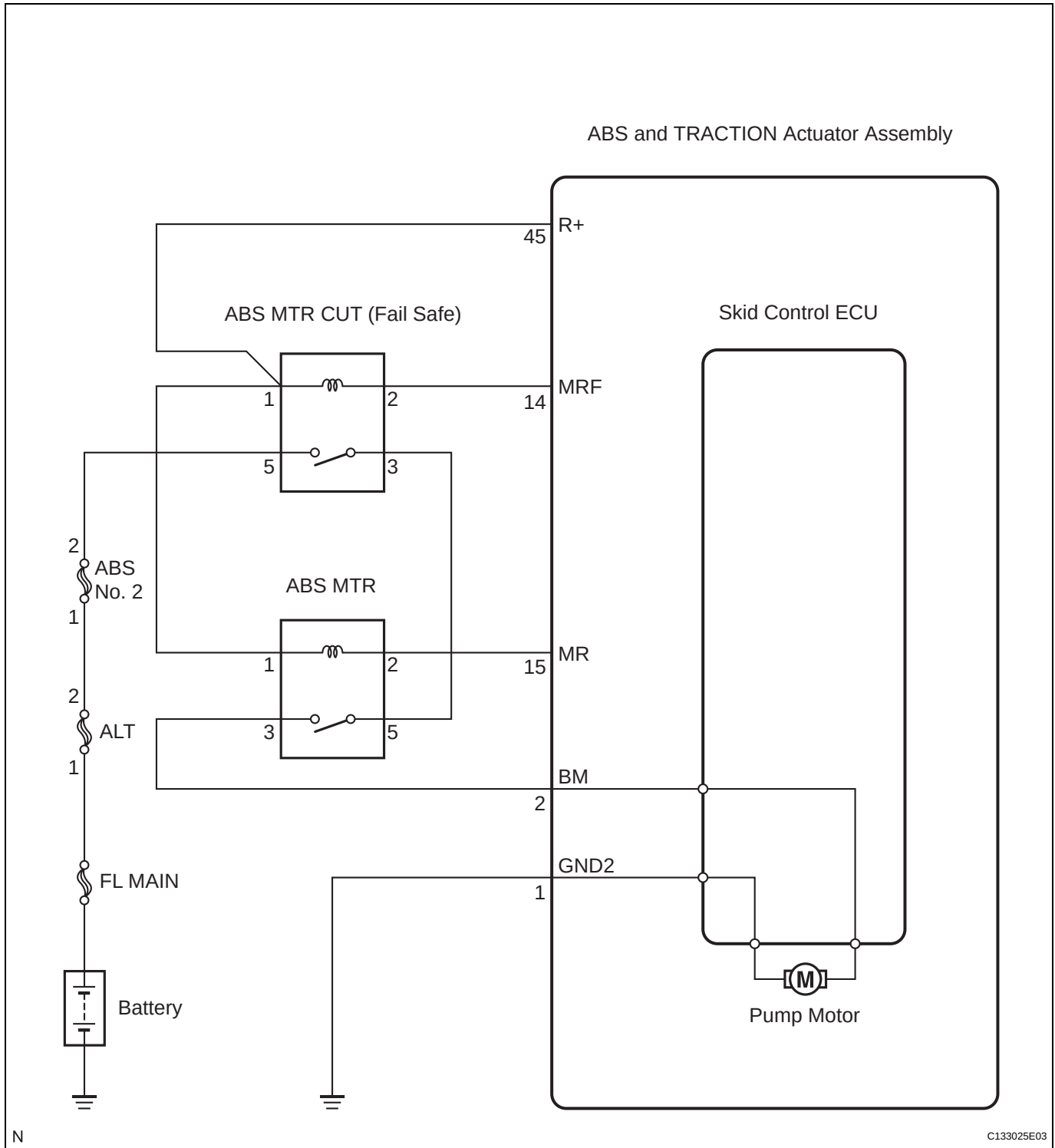
DTC	C1251/51	Open in Pump Motor Circuit
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DESCRIPTION

The ABS pump motor is located inside the brake actuator. The motor is used for BA, TRAC and VSC operation.

DTC No.	DTC Detecting Condition	Trouble Area
C1251/51	- Actuator pump motor does not operate properly. - Open in actuator pump motor circuit continues for at least 2 sec.	- ABS and TRACTION actuator - ABS and TRACTION actuator circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

When replacing the ABS and TRACTION actuator assembly, perform zero point calibration (See page [BC-80](#)).

1

PERFORM ACTIVE TEST BY INTELLIGENT TESTER (ABS MTR RELAY)

(a) Connect the intelligent tester to the DLC3.

- (b) Start the engine.
- (c) Select the ACTIVE TEST mode on the intelligent tester.
- (d) 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	ABS motor relay / ON or OFF	Operation sound of motor (clicking sound) can be heard

ON:
The operation sound of the ABS motor should be heard.

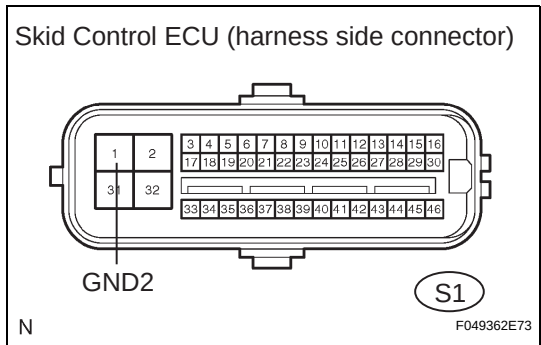
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Go to step 2

OK

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY

2 INSPECT SKID CONTROL ECU (GND TERMINAL)



- (a) Disconnect the skid control ECU connector.
 - (b) Measure the resistance according to the value(s) in the table below.
- Standard resistance**

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

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REPAIR OR REPLACE HARNESS OR CONNECTOR (GND CIRCUIT)

OK

3 RECONFIRM DTC

HINT:
This code is detected when a problem is determined in the ABS and TRACTION actuator assembly.
The ABS motor relay is in the ABS and TRACTION actuator assembly.
Therefore, motor relay circuit inspection and relay unit inspection cannot be performed. Be sure to check if the DTC code is output before replacing the ABS and TRACTION actuator assembly.

- (a) Clear the DTCs (See page [BC-96](#)).
- (b) Turn the ignition switch to the ON position.
- (c) Are the same DTCs recorded?

NO

END

YES

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY