

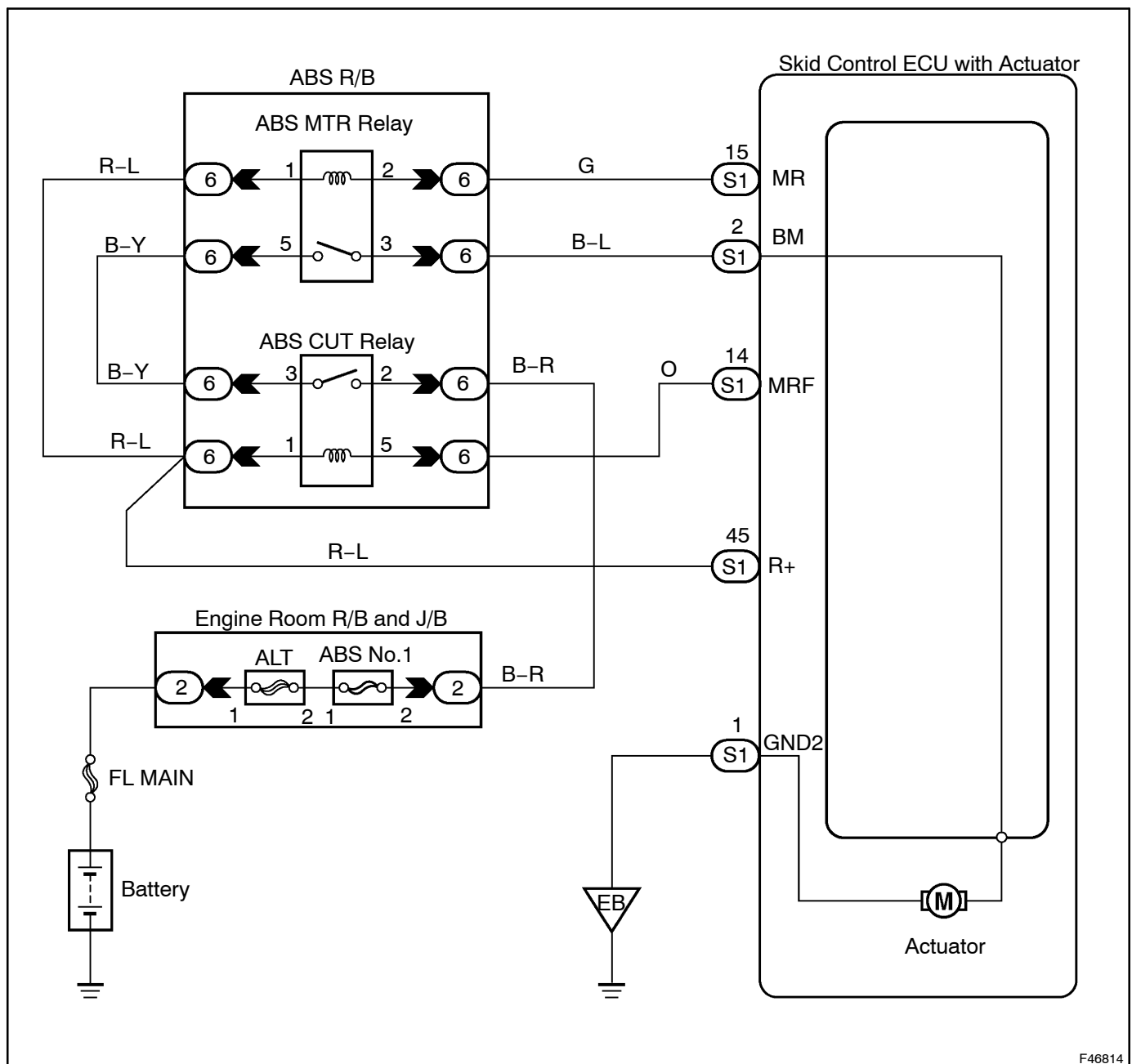
DTC	C1251/51	PUMP MOTOR IS LOCKED/OPEN CIRCUIT IN PUMP MOTOR GROUND
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CIRCUIT DESCRIPTION

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

DTC No.	DTC Detecting Condition	Trouble Area
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 sec. 	<ul style="list-style-type: none"> • ABS & TRC actuator • ABS & TRC actuator circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

Start the inspection from step 1 in case of using the intelligent tester II and start from step 2 in case of not using the intelligent tester II.

1 PERFORM ACTIVE TEST BY INTELLIGENT TESTER II (ABS MOTOR RELAY OPERATION)

- (a) Connect the intelligent tester II to the DLC3.
- (b) Start the engine.
- (c) Select the ACTIVE TEST mode on the intelligent tester II.
- (d) Check the operation sound of the ABS motor individually when operating it with the intelligent tester II.

Item	Vehicle Condition / Test Details	Vehicle Condition / Test Details
ABS MOTOR RELAY	Turns ABS motor relay ON or OFF	ON: Motor relay ON OFF: Motor relay OFF

OK:

The operation sound of the ABS motor should be heard.

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Go to step 2

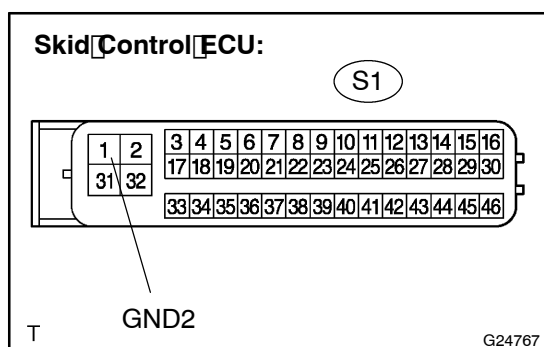
OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-20)

NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-610).

2 INSPECT HARNESS AND CONNECTOR (GND2 OF SKID CONTROL ECU AND BODY GROUND)



- (a) Disconnect the skid control ECU S1 connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

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

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-20)

NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-610).