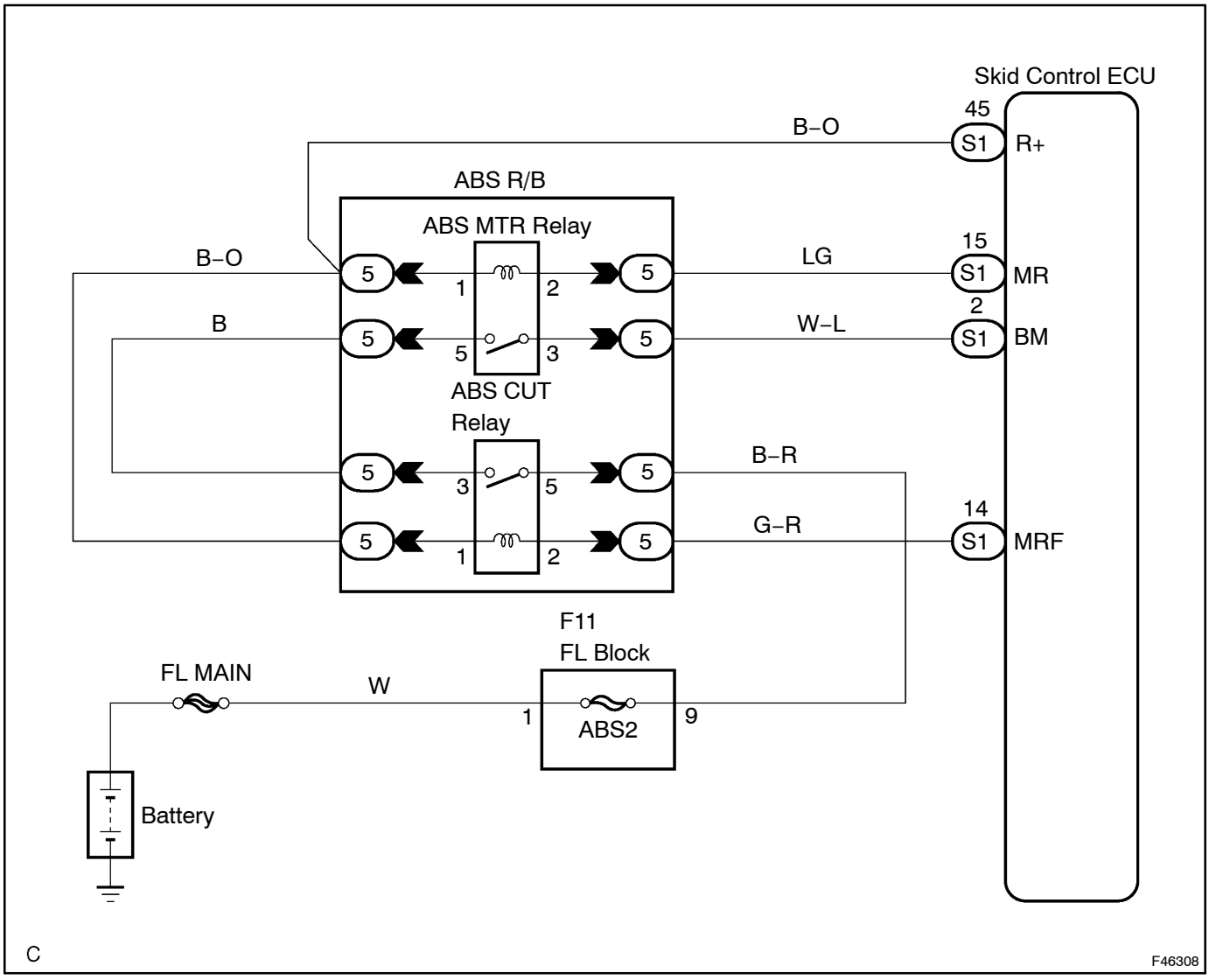
DTC	C1251/51	PUMP MOTOR IS LOCKED/OPEN CIRCUIT IN PUMP MOTOR GROUND

CIRCUIT 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 & TRAC actuator • ABS & TRAC actuator circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
Start the inspection from step 1 in case of using the hand–held tester and start from step 2 in case of not using the hand–held tester.

1	**PERFORM ACTIVE TEST BY HAND–HELD TESTER(ABS MOTOR RELAY OPERATION)**

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

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

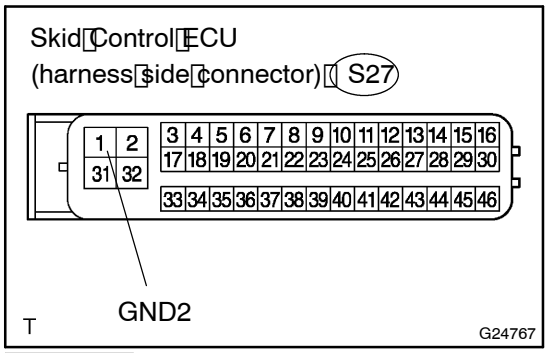
OK:
The operation sound of the ABS motor should be heard.

NG → **Go to step 2**

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–43)

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



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

Standard:

Tester Connection	Specified Condition
S27–1 (GND2) – Body ground	Below 1 Ω

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

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–43)