

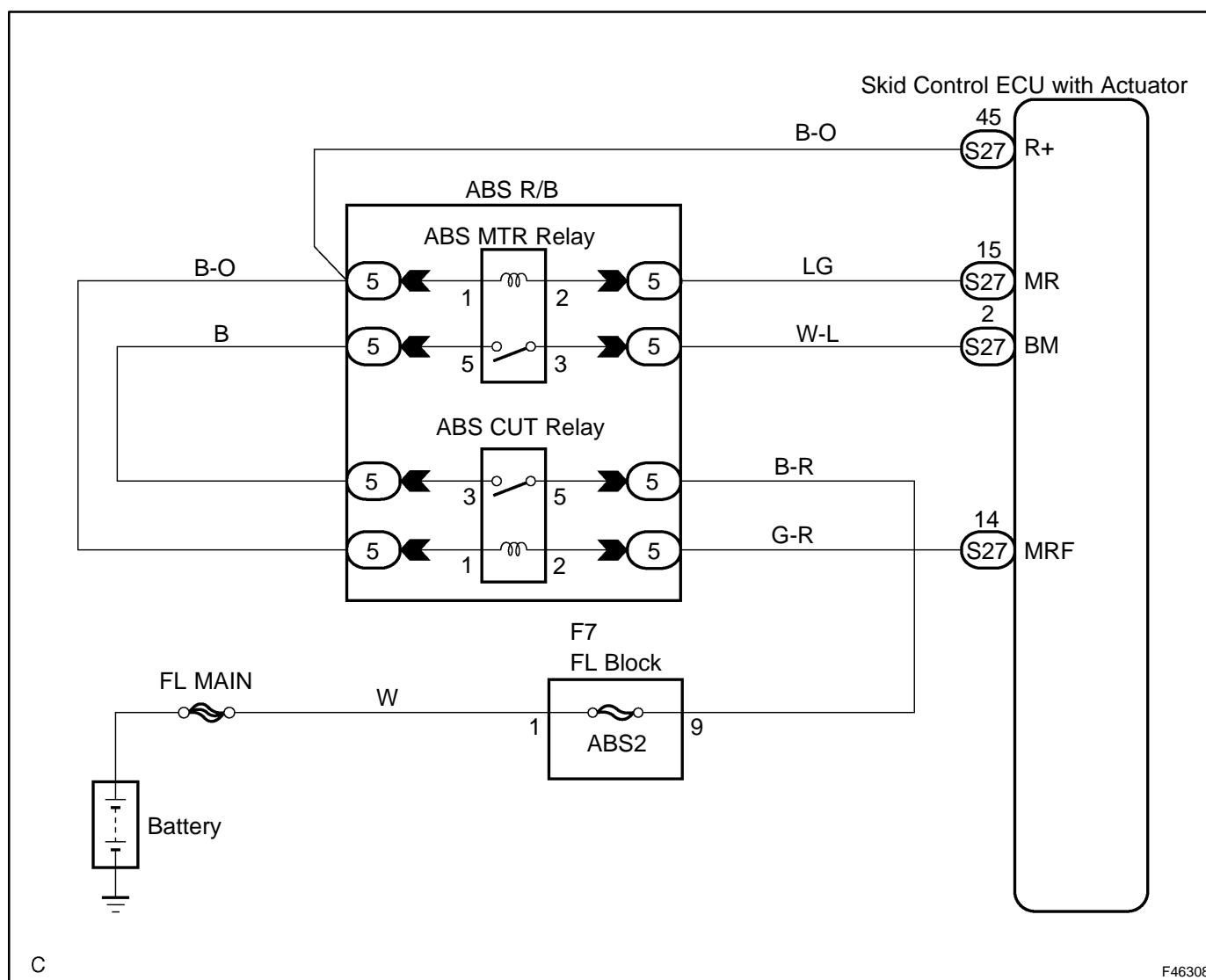
<b>DTC</b>	<b>C1251/51</b>	<b>PUMP MOTOR IS LOCKED/OPEN CIRCUIT IN PUMP MOTOR GROUND</b>
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## CIRCUIT DESCRIPTION

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	<ul style="list-style-type: none"> <li>Actuator pump motor does not operate properly.</li> <li>Open in actuator pump motor circuit continues for at least 2 sec.</li> </ul>	<ul style="list-style-type: none"> <li>ABS &amp; TRAC actuator</li> <li>ABS &amp; TRAC actuator circuit</li> </ul>

## 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.

<b>1</b>	<b>PERFORM ACTIVE TEST BY HAND-HELD TESTER(ABS MOTOR RELAY OPERATION)</b>
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- (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.

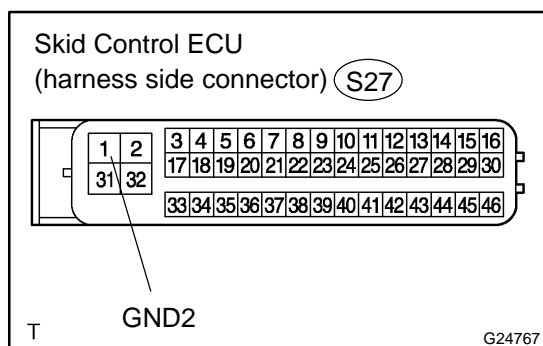
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Go to step 2

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-37 )

<b>2</b>	<b>INSPECT HARNESS AND CONNECTOR(GND2 OF SKID CONTROL ECU AND BODY GROUND)</b>
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- (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

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-37 )