

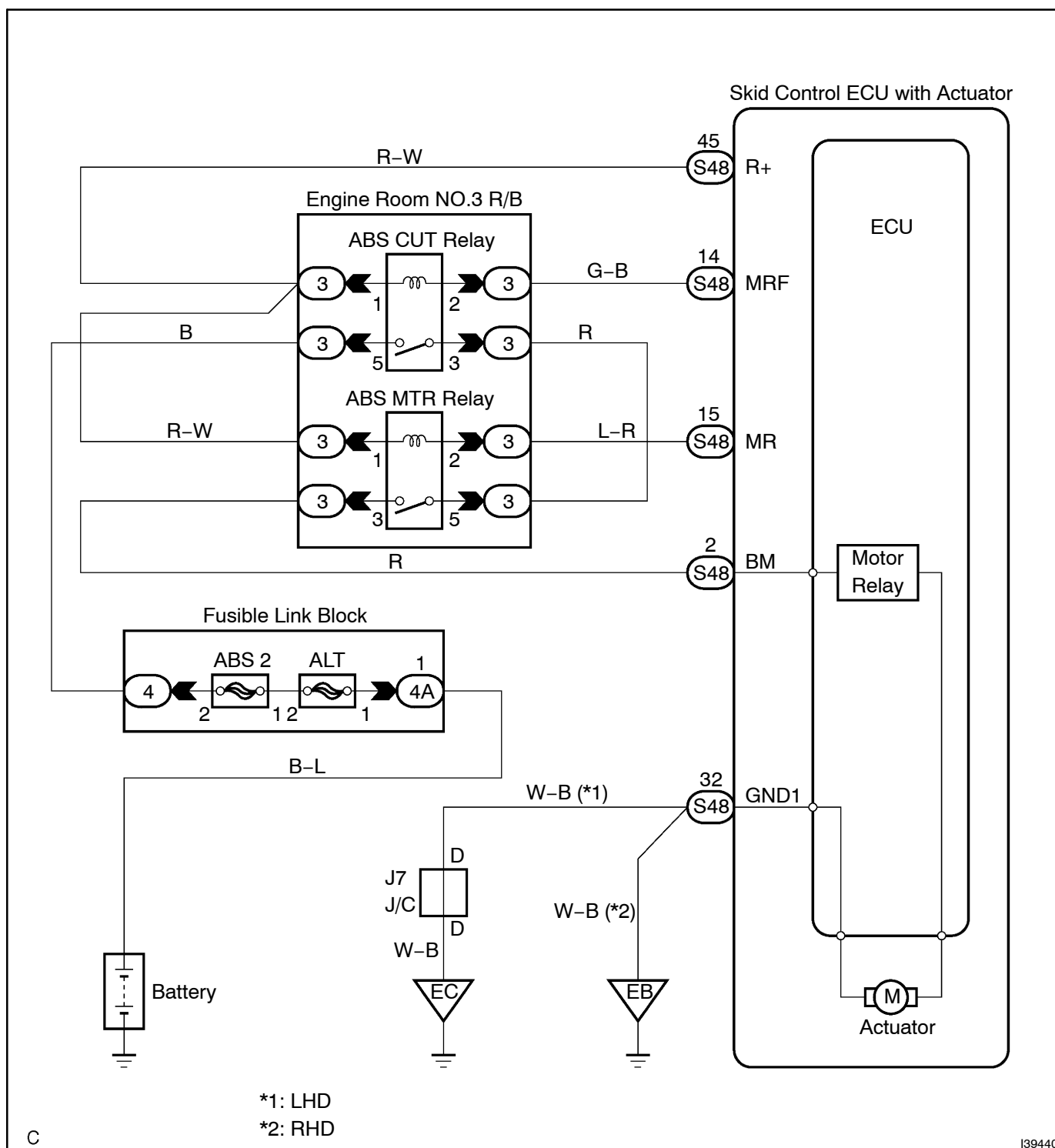
<b>DTC</b>	<b>C1251/51</b>	<b>PUMP MOTOR IS LOCKED/OPEN CIRCUIT IN PUMP MOTOR GROUND</b>
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## CIRCUIT DESCRIPTION

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"> <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; TRC actuator</li> </ul>

## WIRING DIAGRAM



## INSPECTION PROCEDURE

## 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	Diagnostic Note
ABS Motor Relay	Turns ABS motor relay ON or OFF	Operation of solenoid (clicking sound) can be heard

OK:

The operation sound of the ABS motor is heard.

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Go to step 2

OK

## REPLACE ABS &amp; TRACTION ACTUATOR ASSY (SEE PAGE 32-53)

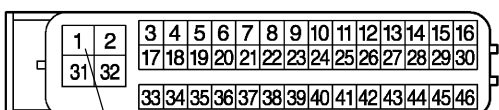
## NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-387).

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

Skid Control ECU

(harness side connector) S48



- (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
S48-1 (GND2) - Body ground	Below 1 Ω

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

## REPLACE ABS &amp; TRACTION ACTUATOR ASSY (SEE PAGE 32-53)

## NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-387).