

<b>DTC</b>	<b>C1251 / 51</b>	<b>Hydraulic Brake Booster Pump Motor Malfunction</b>
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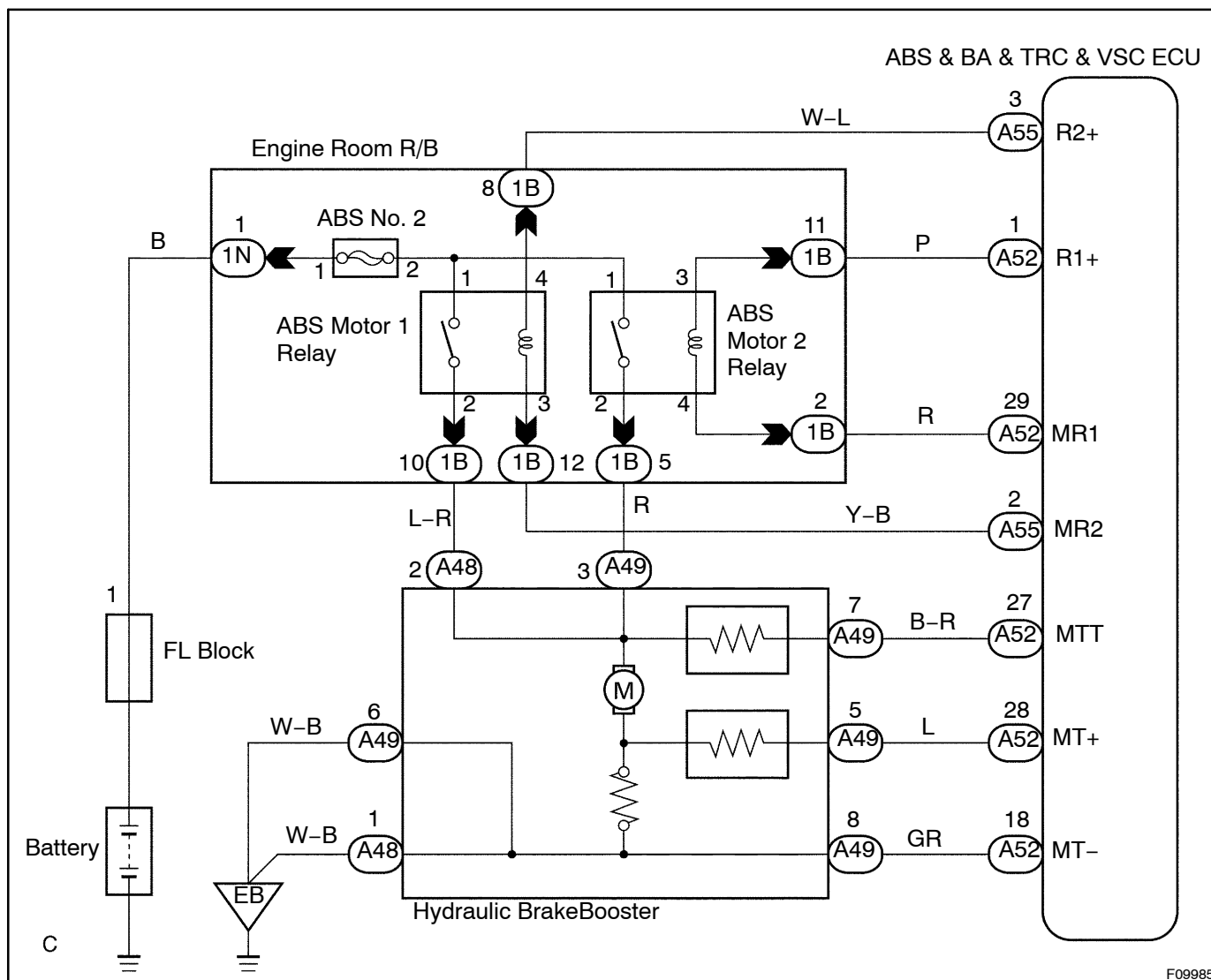
## CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1251 / 51	Either of the following 1. or 2. is detected: 1. After turning the ignition switch ON, the current of more than 30 A flows to the motor for more than 1 sec. 2. After turning the ignition switch ON, less than 7 A change in current is detected more than 3 times in a low when the motor is ON.	Hydraulic brake booster pump motor

Fail safe function:

If trouble occurs in the pump motor, the ECU cuts off current to the ABS solenoid relay and prohibits ABS & BA & TRC & VSC controls.

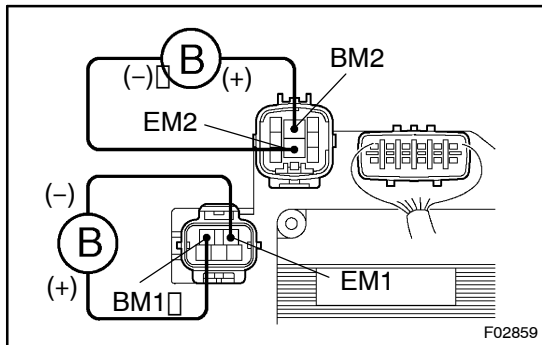
## WIRING DIAGRAM



F09985

## INSPECTION PROCEDURE

## 1 Check operation of hydraulic brake booster pump motor.

**PREPARATION:**

Disconnect the 2 connectors from the hydraulic brake booster.

**CHECK:**

Connect battery positive  $\oplus$  lead to BM1 or BM2 terminal and battery negative  $\ominus$  lead to EM1 or EM2 terminal of the hydraulic brake booster (pump motor) connector.

**OK:**

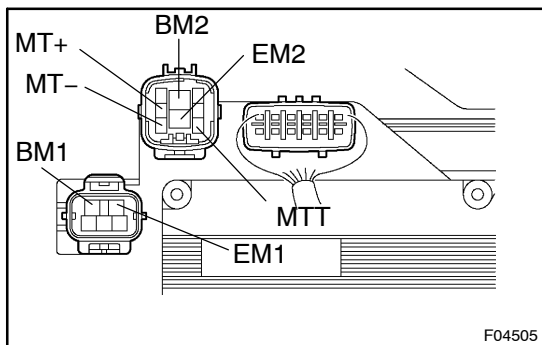
The operation sound of the pump motor should be heard.

NG

Go to step 4.

OK

## 2 Check hydraulic brake booster resistance.

**PREPARATION:**

Disconnect the 2 connectors from the hydraulic brake booster.

**CHECK:**

Check resistance between terminals MT+ and MT-, BM1 and MT-, BM2 and MTT, EM1 and MT+, EM2 and MT+ of the hydraulic brake booster connector.

**OK:**

30 – 36  $\Omega$

NG

Replace the hydraulic brake booster assembly.

OK

## 3 Check for open circuit in harness and connector between hydraulic brake booster (MT+, MT-) and ABS &amp; BA &amp; TRC &amp; VSC ECU (See page N-35).

NG

Repair or replace harness or connector.

OK

Check and replace ABS & BA & TRC & VSC ECU.

4 Check for open or short circuit in harness and connector between hydraulic brake booster pump motor and hydraulic brake booster (See page IN-35).

NG

Replace wire harness.

OK

5 Check hydraulic brake booster pump motor (See page BR-32).

NG

Replace hydraulic brake booster pump motor.

OK

Replace hydraulic brake booster.