

DTC	C1251 / 51	Hydraulic Brake Booster Pump Motor Malfunction
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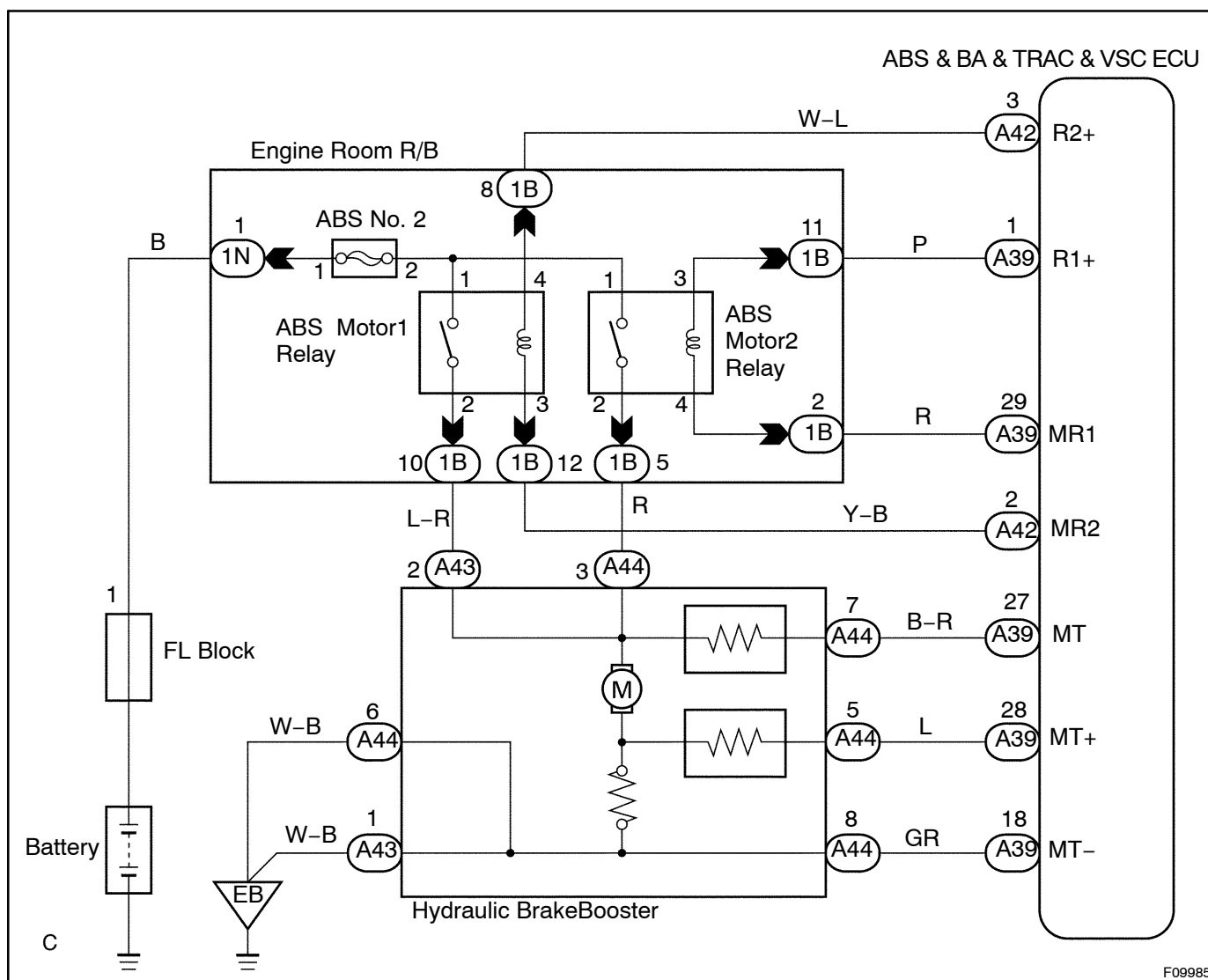
CIRCUIT DESCRIPTION

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 & TRAC & VSC controls.

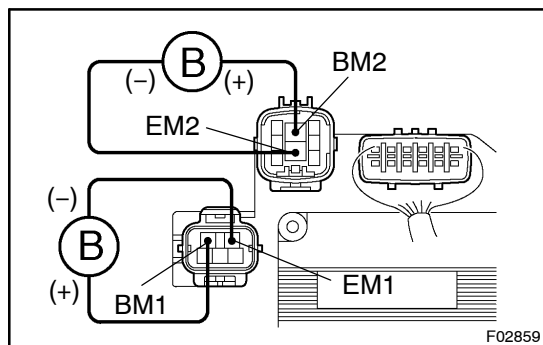
WIRING DIAGRAM



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:

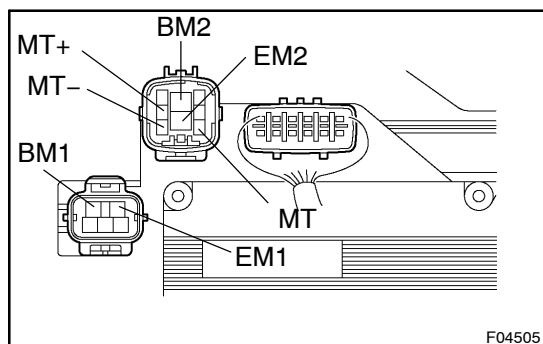
The operation sound of the pump motor should be heard.

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 MT, EM1 and MT+, EM2 and MT+ of the hydraulic brake booster connector.

OK:

30 – 36 Ω

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Replace the hydraulic brake booster assembly.

OK

3 Check for open circuit in harness and connector between hydraulic brake booster (MT+, MT-) and ABS & BA & TRAC & VSC ECU (See page IN-34).

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Repair or replace harness or connector.

OK

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

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|----------|--|
| 4 | Check for open or short circuit in harness and connector between hydraulic brake booster pump motor and hydraulic brake booster (See page IN-34). |
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Replace wire harness.

OK

- | | |
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| 5 | Check hydraulic brake booster pump motor (See page BR-55). |
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NG

Replace hydraulic brake booster pump motor.

OK

Replace hydraulic brake booster.