

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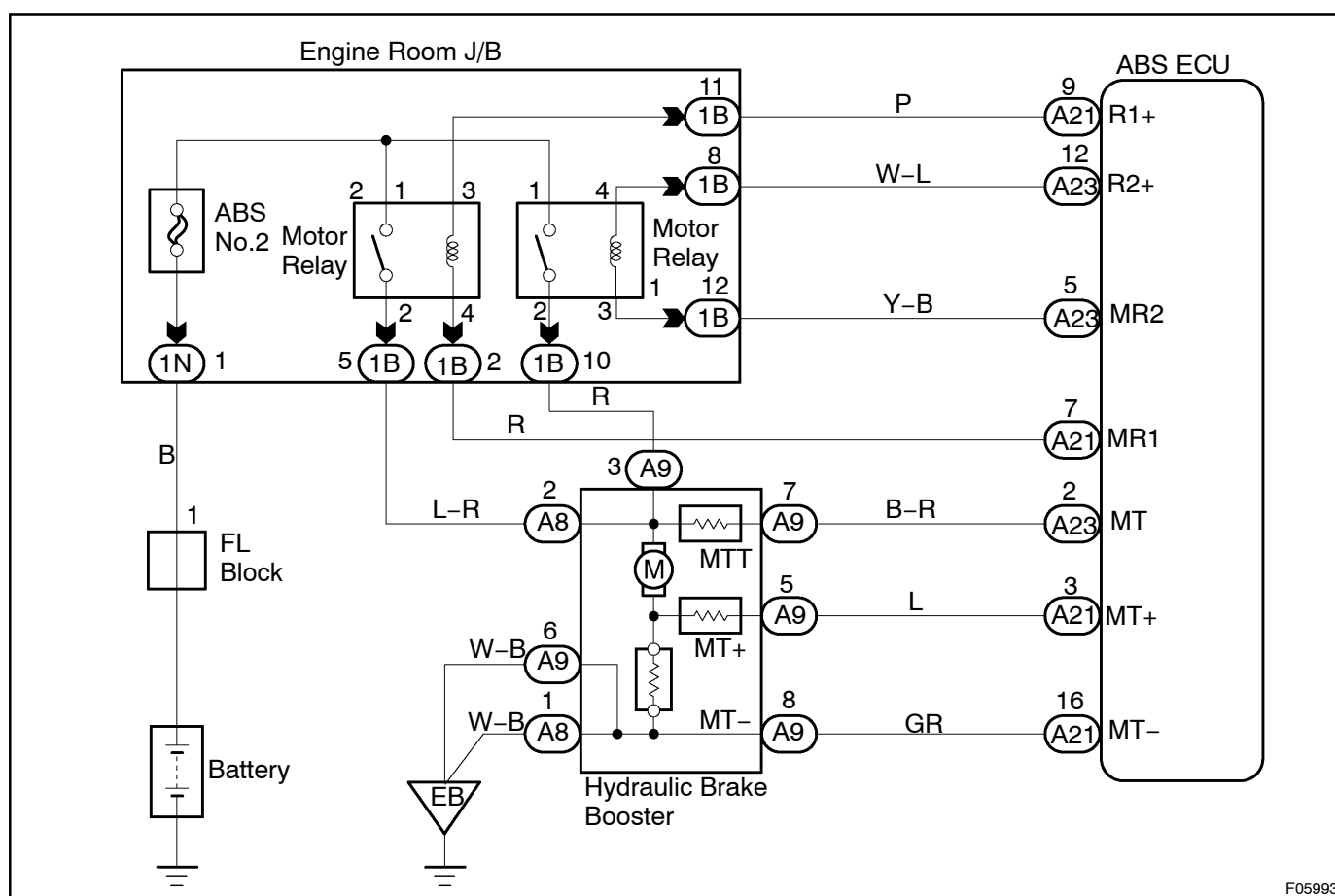
CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1251/51	<p>Either of the following (1) or (2) is detected:</p> <p>(1) After turning the ignition switch ON, the current of more than 30A flows to the motor for more than 1 sec.</p> <p>(2) After turning the ignition switch ON, less than 7A change in current is detected more than 3 times in a low when the motor is ON.</p>	<ul style="list-style-type: none"> Hydraulic brake booster pump motor

Fail safe function:

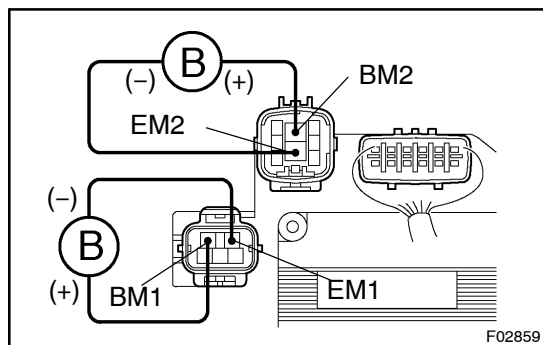
If trouble occurs in the pump motor, the ECU cuts off current to the ABS solenoid relay and prohibits ABS control.

WIRING DIAGRAM



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:

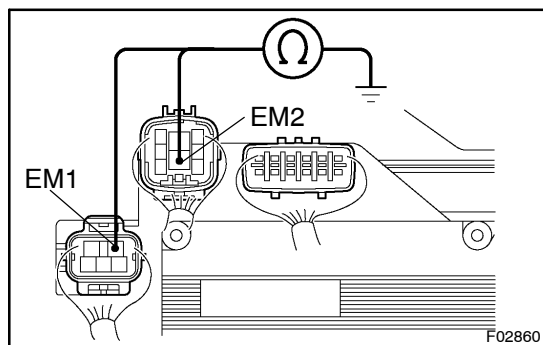
The operation sound of the pump motor should be heard.

OK

Go to step 4.

NG

2 Check continuity between GND terminal of hydraulic brake booster (pump motor) connector and body ground.



CHECK:

Check continuity between each of EM1 and EM2 terminals of hydraulic brake booster (pump motor) connector and body ground.

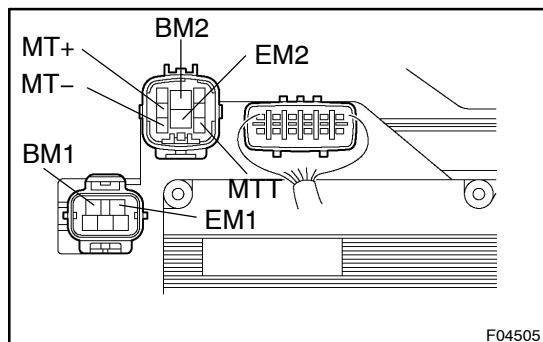
OK:

Continuity

NG

Repair or replace harness or connector.

OK

3 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 MTT, BM2 and MTT, EM1 and MT+, EM2 and MT+ of the hydraulic brake booster connector.

OK:

30 – 36 Ω

NG**Repair the hydraulic brake booster.****OK****Replace hydraulic brake booster pump motor.**

4	Check for open circuit in harness and connector between hydraulic brake booster (pump motor) and ABS ECU (See page IN-33).
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NG	Repair or replace harness or connector.
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OK

5	Check for open or short circuit in harness and connector between pressure switch and ABS ECU (See page IN-33).
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NG	Repair or replace harness or connector.
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OK

Check and replace ABS ECU.