

DTC	C1251 / 51	Hydraulic Brake Booster Pump Motor Malfunction
------------	-------------------	---

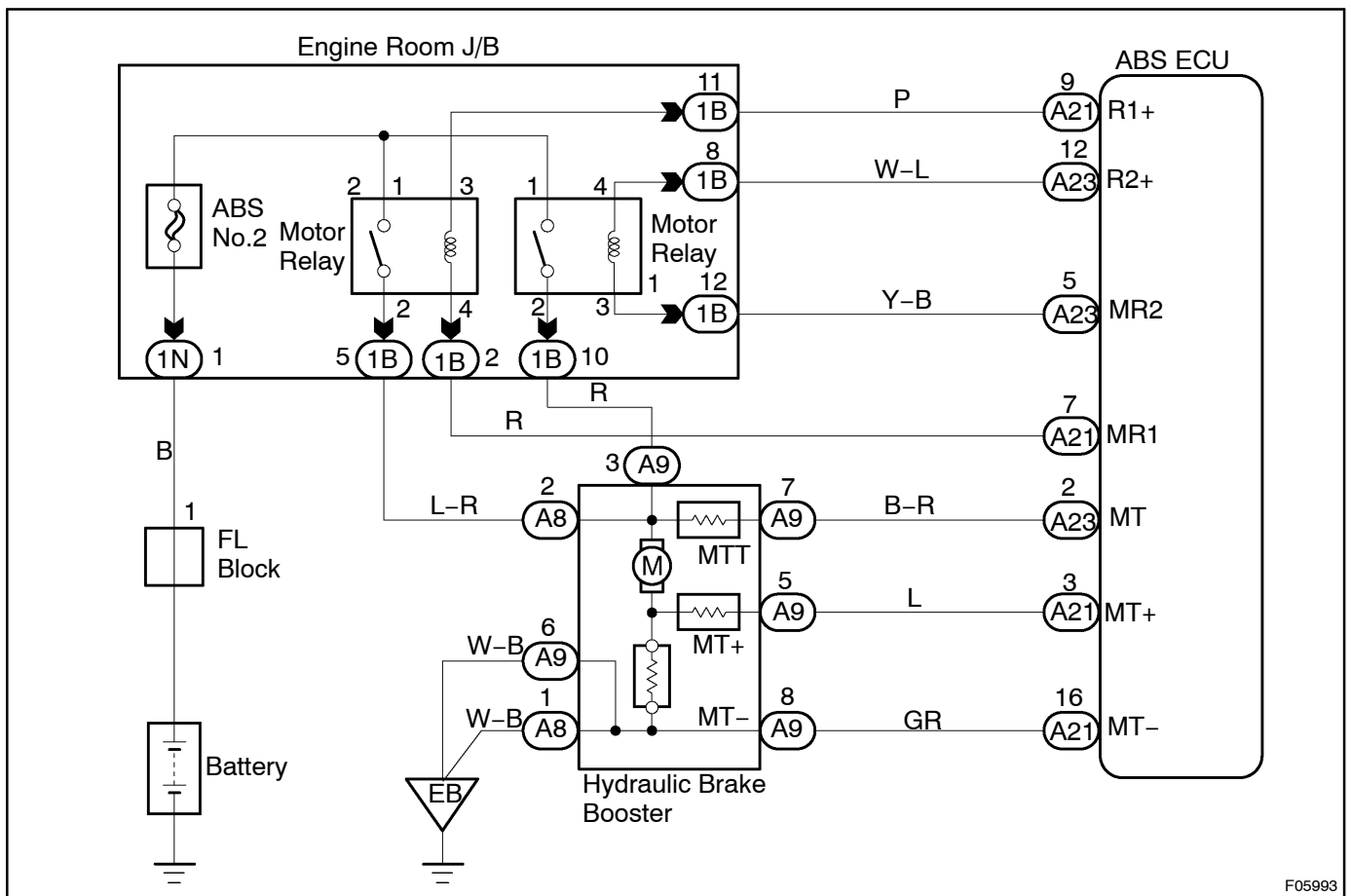
CIRCUIT DESCRIPTION

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 30A flows to the motor for more than 1 sec. (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.	• Hydraulic brake booster pump motor

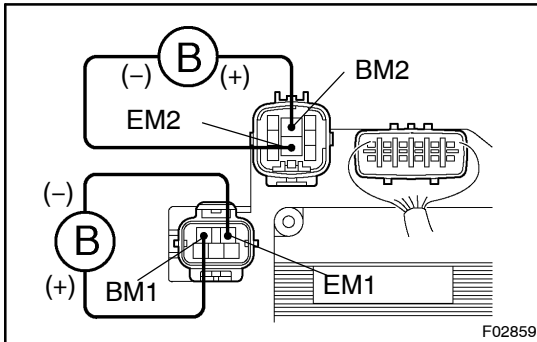
Fail safe function:

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

WIRING DIAGRAM



F05993

INSPECTION PROCEDURE**1 Check operation of hydraulic brake booster pump motor.****PREPARATION:**

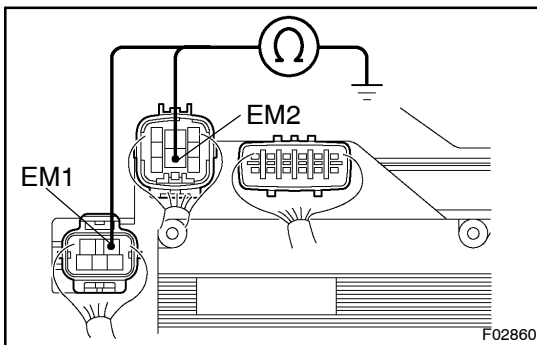
Disconnect the 2 connectors from the hydraulic brake booster.

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:

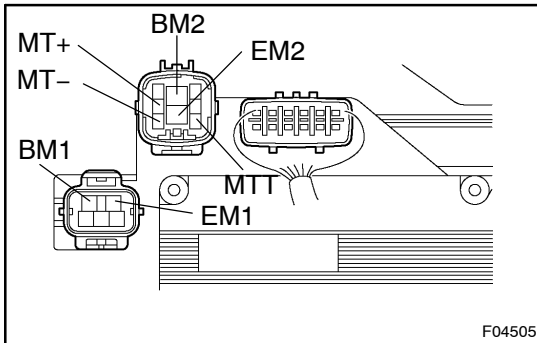
The operation sound of the pump motor should be heard.

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-34).
---	---

NG

Repair or replace harness or connector.

OK

5	Check for open or short circuit in harness and connector between pressure switch and ABS ECU (See page IN-34).
---	---

NG

Repair or replace harness or connector.

OK

Check and replace ABS ECU.