DI3MH–03

DTC	41	Fuel Tank Select Relay Circuit Malfunction (Fuel Tank Changeover Switch ON)

CIRCUIT DESCRIPTION

Refer to DTC 11 (Main Fuel Pump Circuit Malfunction) on page DI–108.

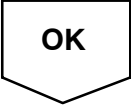| DTC No.	DTC Detecting Condition	Trouble Area
41	Conditions (a), (b) and (c) continue: (a) Fuel tank changeover switch ON 　　(Voltage of FPMS terminal is high) (b) Voltage of FPM1 terminal is high (c) Voltage of FPM2 terminal is low	• Open or short in fuel tank select relay circuit • Fuel tank select relay • Open or short in sub fuel pump circuit • Sub fuel pump • Short in main fuel pump circuit (+B short)

WIRING DIAGRAM

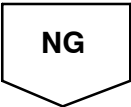Refer to DTC 11 (Main Fuel Pump Circuit Malfunction) on page DI–108.

INSPECTION PROCEDURE

1	Check fuel tank select relay (See page FI–49).

NG ⟩ Replace fuel tank select relay.

OK

2	Check voltage between terminal FPM2 of engine ECU connector and body ground (See page DI–122, step 1).

OK ⟩ Go to step 4.

NG

3	Check for open and short in harness and connector between fuel tank change-over switch and fuel tank select relay, fuel tank select relay and body ground (See page IN–19).

NG ⟩ Repair or replace harness and connector, and then go to step 8.

OK

4	Check operation of sub fuel pump (See page DI–122, step 5).

HINT:
If you have no hand–held tester, and then go to step 5.

OK ⟩ Go to step 7.

NG ⌄

5	Check sub fuel pump (See page FI–16).

NG ⟩ Replace sub fuel pump, and then go to step 8.

OK ⌄

6	Check for open or short in harness and connector between sub fuel pump and fuel tank select relay (See page IN–19).

NG ⟩ Repair or replace, and then go to step 8.

OK ⌄

7	Check for open and short in harness and connector between fuel tank select relay and engine ECU, sub fuel tank forcing driving relay and engine ECU (See page IN–19).

NG ⟩ Repair or replace, and then go to step 8.

OK ⌄

8	Check for short in harness and connector between main fuel pump and fuel tank select relay (+B short circuit) (**See page IN–19**).

NG ▷ **Repair or replace harness and connector.**

OK

Check and replace engine ECU (See page IN–19).