DI3MF–03

DTC	22	Both Fuel Pump Simultaneous Operation Malfunction (*)

*: Fuel Tank Changeover Switch OFF

CIRCUIT DESCRIPTION

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

DTC No.	DTC Detecting Item	Trouble Area
22	Conditions (a), (b) and (c) continue: (a) Fuel tank changeover switch OFF (Voltage of FPMS terminal is low) (b) Voltage of FPM1 terminal is high (c) Voltage of FPM2 terminal is high	• Short in sub fuel tank forcing driving relay circuit • Sub fuel tank forcing driving relay • Short in sub fuel pump circuit (+B short)

WIRING DIAGRAM

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

INSPECTION PROCEDURE

1	Check voltage between terminal FPM2 of engine ECU connector and body ground (See page DI–115, step 2).

OK → Repair and replace harness and connector.

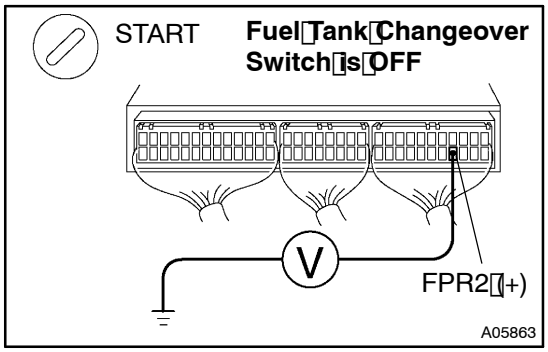
NG

2	Check sub fuel tank forcing driving relay (See page FI–52).

NG → Replace sub fuel tank forcing driving relay.

OK

3	**Check voltage between terminal FPR2 of engine ECU connector and body ground.**



PREPARATION:

(a) Remove the glove compartment door.
(b) Turn the ignition switch to START.
(c) Fuel tank changeover switch is OFF.

CHECK:

Measure voltage between terminal FPR2 of engine ECU connector and body ground, 4 seconds or more after starting the engine.

OK:

Voltage: 9 – 14 V

NG → **Go to step 4.**

OK

Check and repair harness and connector between sub fuel pump and sub fuel tank forcing driving relay (+B short circuit) (See page IN–19).

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

NG → **Repair or replace.**

OK

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