DI3MF–04

DTC	22	Both Fuel Pump Simultaneous Operation Malfunction*

***: Fuel Tank Changeover Switch OFF**

CIRCUIT DESCRIPTION

Refer to DTC 11 on page DI–90.

DTC No.	DTC Detection Condition	Trouble Area
22	Conditions (a), (b) and (c) continue: (a) Fuel tank changever 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) • Engine ECU

WIRING DIAGRAM

Refer to DTC 11 on page DI–90.

INSPECTION PROCEDURE

1	Check voltage between terminal FPM2 of engine ECU connector and body ground (See page DI–95, step 2).

OK → Repair and replace harness or connector.

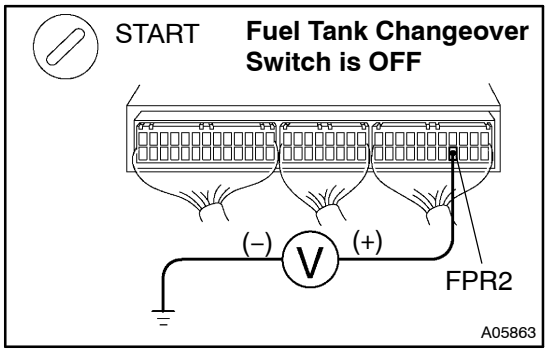
NG

2	Check sub fuel tank forcing driving relay (See page FI–48).

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 (See page IN–19).
(b) Turn the ignition switch to START.
(c) The fuel tank changeover switch is OFF.

CHECK:

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

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).