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 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) • 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.

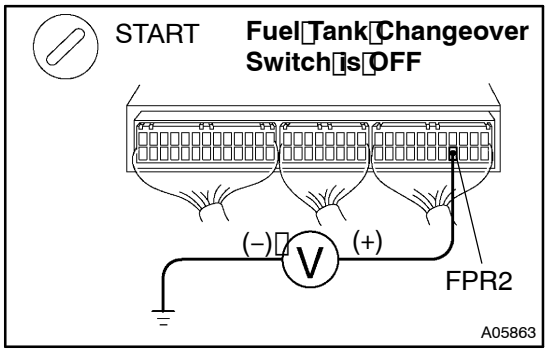
NG

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).