

DTC	23	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-138](#).

DTC No.	DTC Detecting Item	Trouble Area
23	Conditions (a), (b) and (c) continue: (a) Fuel tank changeover switch OFF (Voltage of FPMS terminal is low) (b) Voltage of FPM terminal is high (c) Voltage of FPMR 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-138](#).

INSPECTION PROCEDURE

1	Check voltage between terminal FPMR of engine ECU connector and body ground (See page DI-146, step 2).
----------	---

OK

Repair and replace harness and connector.

NG

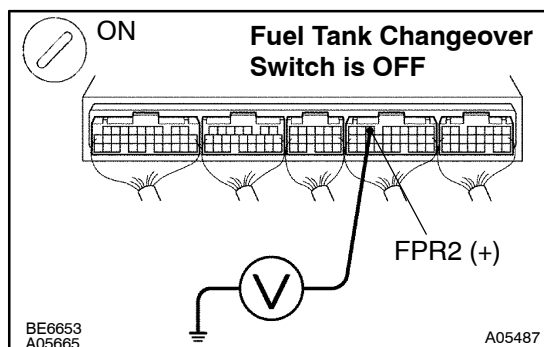
2	Check sub fuel tank forcing driving relay (See page FI-58).
----------	--

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 ON.
- (c) Fuel tank changeover switch is OFF.

CHECK:

Measure voltage between terminal FPR2 of engine ECU connector and body ground, and turn the ignition switch ON after 4 seconds.

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).