

DTC	22	Both Fuel Pump Simultaneous Operation Malfunction (*)
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***: 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-116, step 2).
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OK

Repair and replace harness and connector.

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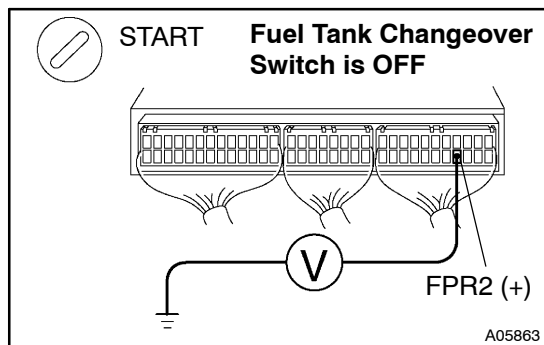
2	Check sub fuel tank forcing driving relay (See page FI-52).
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Replace sub fuel tank forcing driving relay.

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

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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).**

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Repair or replace.

OK

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