

<b>DTC</b>	<b>22</b>	<b>Both Fuel Pump Simultaneous Operation Malfunction (*)</b>
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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 FPM 1 terminal is high (c) Voltage of FPM2 terminal is high	<ul style="list-style-type: none"><li>• Short in sub fuel tank forcing driving relay circuit</li><li>• Sub fuel tank forcing driving relay</li><li>• Short in sub fuel pump circuit (+B short)</li></ul>

## WIRING DIAGRAM

Refer to DTC 11 (Main Fuel Pump Circuit Malfunction) on [page DI-108](#).

## INSPECTION PROCEDURE

<b>1</b>	<b>Check voltage between terminal FPM2 of engine ECU connector and body ground (See <a href="#">page DI-116</a>, step 2).</b>
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OK

Repair and replace harness and connector.

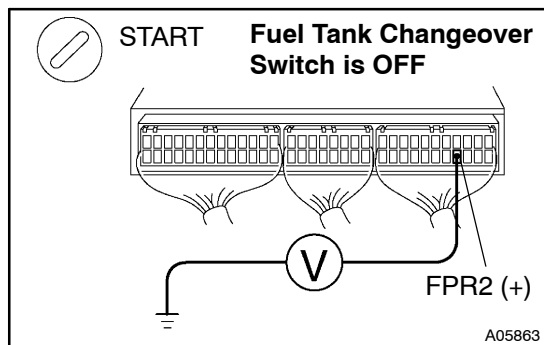
NG

<b>2</b>	<b>Check sub fuel tank forcing driving relay (See <a href="#">page FI-52</a>).</b>
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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).**