

DTC	44	Both Fuel Pump Simultaneous Operation Malfunction (*)
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***: Fuel Tank Changeover Switch ON**

CIRCUIT DESCRIPTION

Refer to DTC 11 (Main Fuel Pump Circuit Malfunction) on page DI-138.

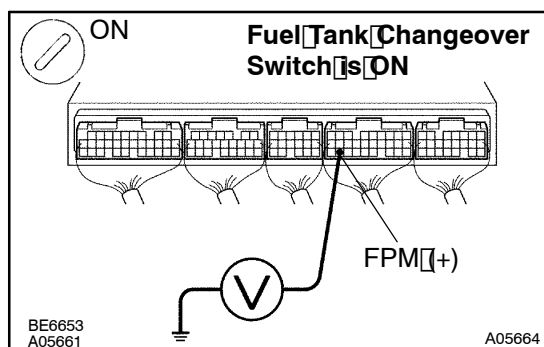
DTC No.	DTC Detecting Item	Trouble Area
44	Conditions (a), (b) and (c) continue: (a) Fuel tank changeover switch ON (Voltage of FPMS terminal is high) (b) Voltage of FPM terminal is high (c) Voltage of FPMR terminal is high	<ul style="list-style-type: none"> • Short in main fuel pump circuit (+B short) • Open or short in fuel tank select relay circuit • Fuel tank select relay • 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 FPM of engine ECU connector and body ground.
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PREPARATION:

- Remove the glove compartment door.
- Turn the ignition switch ON.
- Push the fuel tank changeover switch ON.

CHECK:

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

OK:

Voltage: 0 – 3.0 V

OK

Go to step 4.

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2	Check fuel tank select relay (See page FI-56).
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Replace fuel tank select relay, and then go to step 4.

OK

3	Check for open and short in harness and connector between fuel tank change-over switch and fuel tank select relay, fuel tank select relay and body ground (See page IN-19).
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Repair or replace harness and connector, and then go to step 4.

OK

4	Check for short in harness and connector between fuel tank select relay and engine ECU, fuel tank select relay and main fuel pump (+B short circuit) (See page IN-19).
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Repair or replace harness and connector.

OK

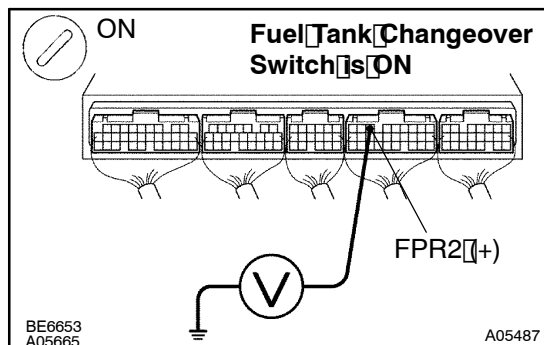
5	Check sub fuel tank forcing driving relay (See page FI-58).
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Replace sub fuel tank forcing driving relay.

OK

6 Check voltage between terminal FPR2 of engine ECU connector and body ground.



PREPARATION:

- Remove the glove compartment door.
- Turn the ignition switch ON.
- Push the fuel tank changeover switch ON.

CHECK:

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

OK:

Voltage: 9 – 14 V

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Go to step 7.

OK

Check and repair harness and connector between sub fuel pump and sub fuel tank forcing driving relay (+B short circuit) (See page N-19).

7 Check for short in harness and connector between sub fuel tank forcing driving relay and engine ECU (See page N-19).

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Repair or replace.

OK

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