

<b>DTC</b>	<b>41</b>	<b>Fuel Tank Select Relay Circuit Malfunction (Fuel Tank Changeover Switch ON)</b>
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## CIRCUIT DESCRIPTION

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

DTC No.	DTC Detecting Condition	Trouble Area
41	Conditions (a), (b) and (c) continue: (a) Fuel tank changeover switch ON (Voltage of FPMS terminal is high) (b) Voltage of FPM1 terminal is high (c) Voltage of FPM2 terminal is low	<ul style="list-style-type: none"> <li>• Open or short in fuel tank select relay circuit</li> <li>• Fuel tank select relay</li> <li>• Open or short in sub fuel pump circuit</li> <li>• Sub fuel pump</li> <li>• Short in main 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 fuel tank select relay (<a href="#">See page FI-49</a>).</b>
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Replace fuel tank select relay.

OK

<b>2</b>	<b>Check voltage between terminal FPM2 of engine ECU connector and body ground (<a href="#">See page DI-122</a>, step 1).</b>
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OK

Go to step 4.

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<b>3</b>	<b>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 (<a href="#">See page IN-19</a>).</b>
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Repair or replace harness and connector, and then go to step 8.

OK

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|---|---|
| 4 | Check operation of sub fuel pump ( <a href="#">See page DI-122</a> , step 5). |
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HINT:

If you have no hand-held tester, and then go to step 5.

OK

Go to step 7.

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| 5 | Check sub fuel pump ( <a href="#">See page FI-16</a> ). |
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Replace sub fuel pump, and then go to step 8.

OK

- |   |   |
|---|---|
| 6 | Check for open or short in harness and connector between sub fuel pump and fuel tank select relay ( <a href="#">See page IN-19</a> ). |
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Repair or replace, and then go to step 8.

OK

- |   |   |
|---|---|
| 7 | Check for open and short in harness and connector between fuel tank select relay and engine ECU, sub fuel tank forcing driving relay and engine ECU ( <a href="#">See page IN-19</a> ). |
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Repair or replace, and then go to step 8.

OK

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| <b>8</b> | <b>Check for short in harness and connector between main fuel pump and fuel tank select relay (+B short circuit) (<a href="#">See page IN-19</a>).</b> |
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**Repair or replace harness and connector.**

**OK**

**Check and replace engine ECU  
([See page IN-19](#)).**