DI3MG-03

DTC□	31[]	Sub[Fuel[Pump[Circuit[Malfunction
------	------	-----------------------------------

# **CIRCUIT** DESCRIPTION

Refer[]o[DTC 11[(Main[Fuel[Pump[Circuit[Malfunction)]]on[]page[DI-10]8.

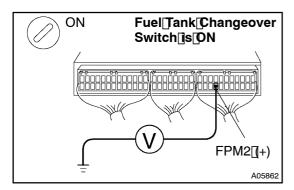
DTC[No.	DTC[[Detecting[]]tem	Trouble[ <u>A</u> rea
	Conditions[a],[b)[and[c)[continue:	Open@r[short[jn[sub[fuel[pump@ircuit
	(a)[Fuel[ank[changeover[switch[ON	•Sub[juel[pump
31	(Voltage@f[FPMS[]erminal[]s[]high)	Fuel[]ank[select[]elay
	(b)[Voltage[of[FPM1]]erminal[is]]ow	• Fuel pump relay
	(c)[Voltage[of[FPM2[jerminal[js[]]ow	• Circuit[opening[relay

# WIRING DIAGRAM

Refer[]o[DTC 11[]Main[Fuel[Pump[Circuit[]Malfunction)[]on[]page[DI-10]8.

## **INSPECTION PROCEDURE**

Check voltage between terminal FPM2 of engine ECU connector and body ground.



### **PREPARATION:**

- (a) Remove the glove compartment door.
- (b) Turn the ignition switch ON.
- (c) Push the fuel tank changeover switch ON.

#### **CHECK:**

Measure voltage between terminal FPM2 of engine ECU connector and body ground, turn the ignition switch ON after 4 seconds or more.

OK:

Voltage: 9 - 14 V

OK Go to step 5.

NG

2□

1

Check[fuel[fank[select[relay[See[page[FI-49].

NG Replace fuel tank select relay.

OK

3 Check[fuel[pump[relay[Marking:[FUEL/PMP)[See[page[FI-46]].

NG<sub>[]</sub>

Replace[fuel[pump[relay.

OK

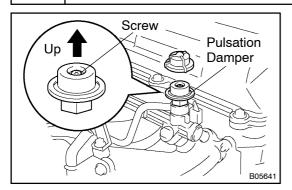
4 | Check@ircuit@pening@relay@Marking:@C/OPN)@SeepageFI-45).

NG

Replace circuit opening relay.

ΟK

5 | Check operation of sub fuel pump.



### **PREPARATION:**

- (a) Connect he hand-held ster of he DLC3.
- (b) Turn the ignition switch ON.
- (c) Push[the[fuel[fank[changeover[switch[ON.
- (d) Select he ACTIVE TEST mode.

#### CHECK:

Check[]the[]sub[]fuel[]pump[]pperation,[]when[]t[]s[]pperated[]by hand-held[]ester.

OK:

### Here a sub fuel pump operation hoise

HINT:

 $If [\you[\have]\ho[\hand-held[\hen]\go[\hand]\hen[\go[\hand]\hen[\go[\hand]\hen[\hand]$ 

OK

Go to step 7.

NG

6∏

 $Check \cite{lange} who \cite{lange} age \cite{lange} -15). \label{lange}$ 

NG

Replace sub fuel pump.

OK

7	Check for open or short in harness and connector between sub fuel pump and fuel tank select relay, fuel tank select relay and fuel pump relay, fuel pump relay and circuit opening relay (See page N-19).
	NG Repair or replace.

ОК

Check for open and short in harness and connector between fuel tank select relay[and[engine[ECU[[See[page]]N-19]]]

NG Repair or replace harness and connector.

OK

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