

DTC	Always ON	Malfunction in ECU
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CIRCUIT DESCRIPTION

DTC No.	DTC Detection Condition	Trouble Area
Always ON	Either of the following 1. or 2. is detected: 1. The ECU connectors are not conneted with the ECU. 2. There is a malfunction in the ECU internal circuit.	<ul style="list-style-type: none"> • Charging system • Power source circuit • Vane pump assembly with motor

HINT:

There is a case where TOYOTA hand-held tester cannot be used when ECU is abnormal.

INSPECTION PROCEDURE

1	P/S warning light remains on.
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GO

2	Is DTC output?
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Check DTC on page [DI-202](#).

YES

Repair circuit indicated by code output.

NO

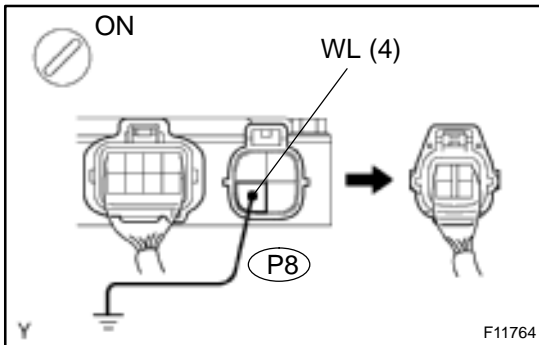
3	Is normal code displayed?
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YES

Check and replace vane pump assembly with motor.

NO

4 Check P/S warning light.



PREPARATION:

- Disconnect the P8 connector from the vane pump assembly with motor.
- Connect terminal WL (P8-4) of the vane pump assembly with motor and body ground.
- Turn the ignition switch ON.

CHECK:

Check the P/S warning light goes off.

OK:

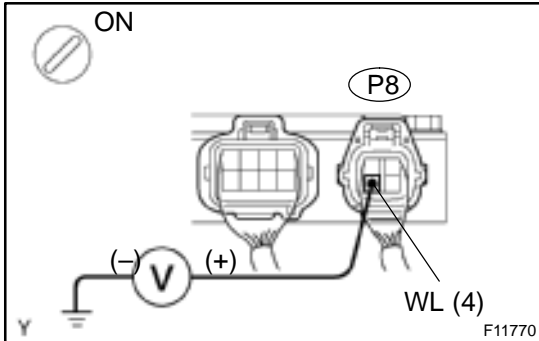
Voltage: 10 – 14 V

NO

Check and replace bulb or combination meter assembly.

YES

5 Check voltage between terminal WL (P8-4) of vane pump assembly with motor connector and body ground.



PREPARATION:

Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal WL (P8-4) of the vane pump assembly with motor connector and body ground.

OK:

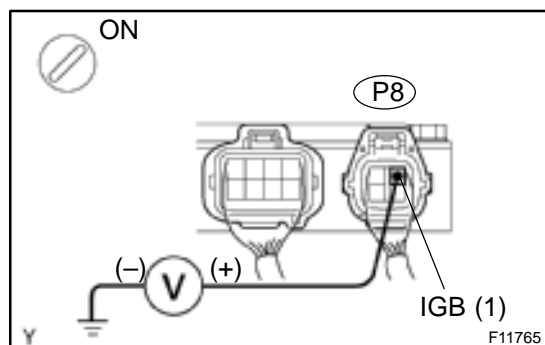
Voltage: 10 – 14 V

NG

Check and repair harness or connector.

YES

- | | |
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| 6 | Check voltage between terminal IGB (P8-1) of vane pump assembly with motor connector and body ground. |
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**CHECK:**

Measure the voltage between terminal IGB (P8-1) of the vane pump assembly with motor connector and body ground.

OK:

Voltage: 10 – 14 V

NG

Check DTC C1552/52 (See page [DI-218](#)).

OK

Check and replace vane pump assembly with motor.