

DTC	C1552/52	PIG Power Source Drop Voltage
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CIRCUIT DESCRIPTION

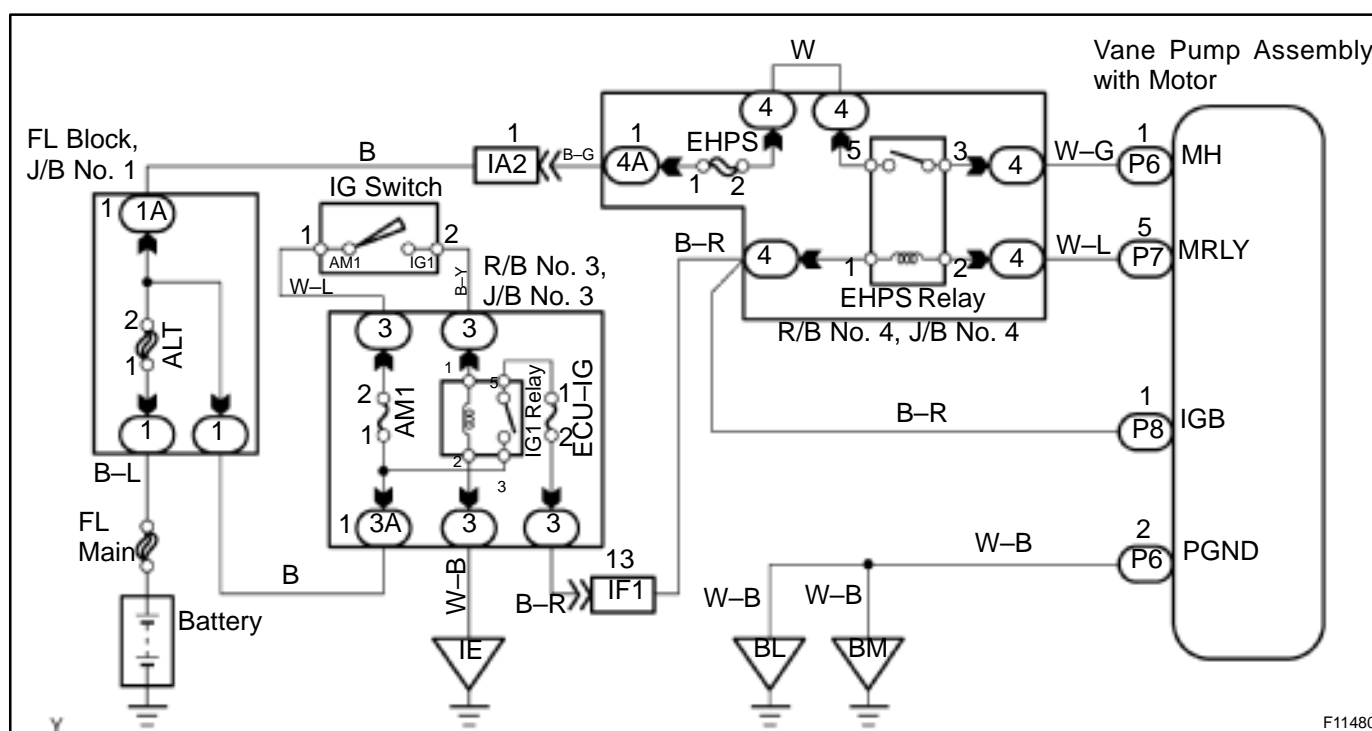
This circuit provides power to the vane pump assembly with motor.

DTC No.	DTC Detection Condition	Trouble Area
C1552/52	Conditions 1. and 2. continue for 1 sec. or more: 1. Power steering ECU terminal MH voltage is 2 V or less 2. EHPS relay is ON	<ul style="list-style-type: none"> • Open EHPS relay circuit • EHPS relay • Vane pump assembly with motor

Fail safe function:

If the vane pump assembly with motor detects the malfunction of the power source circuit, the vane pump assembly with motor prohibits the motor from operating and informs the malfunction by lighting up P/S warning light.

WIRING DIAGRAM



INSPECTION PROCEDURE

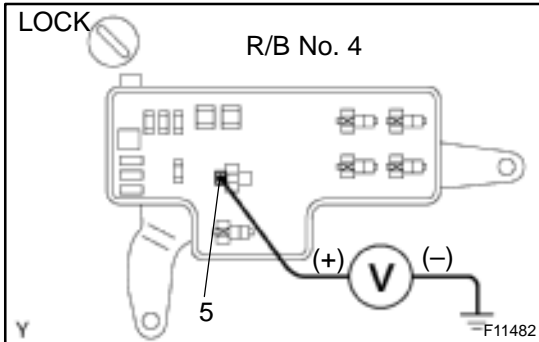
1	Check P/S warning light.
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See combination meter troubleshooting on page BE-2.

OK

2 Check voltage between terminal 5 of R/B No. 4 (for EHPS relay) and body ground.



PREPARATION:

Remove the EHPS relay from the R/B No. 4.

CHECK:

Measure the voltage between terminal 5 of the R/B No. 4 (for EHPS relay) and body ground.

OK:

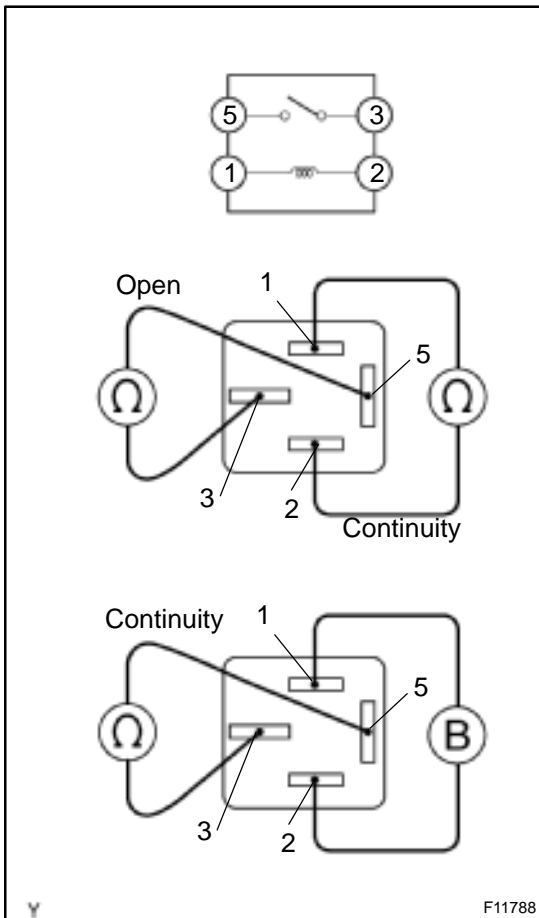
Voltage: 10 – 14 V

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Check and repair harness or connector between R/B No. 4 and battery.

OK

3 Check EHPS relay



PREPARATION:

Remove the EHPS relay from the R/B No. 4.

CHECK:

Check the continuity between each terminal of the EHPS relay.

OK:

Terminals 1 and 2	Continuity (Reference value 80Ω)
Terminals 3 and 5	Open

CHECK:

- (a) Apply battery positive voltage between terminals 1 and 2.
- (b) Check the continuity between the terminals.

OK:

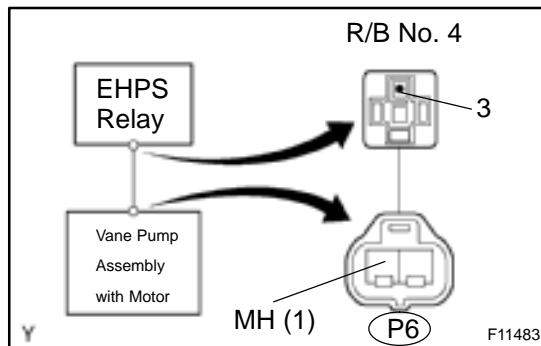
Terminals 3 and 5	Continuity
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Replace EHPS relay.

OK

- 4 Check continuity between terminal 3 of R/B No. 4 (for EHPS relay) and terminal MH (P6-1) of vane pump assembly with motor connector.**

**CHECK:**

Check the continuity between terminal 3 of the R/B No. 4 (for EHPS relay) and terminal MH (P6-1) of the vane pump assembly with motor connector.

OK:

Continuity

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Repair or replace harness or connector.

OK

Check and replace vane pump assembly with motor.