

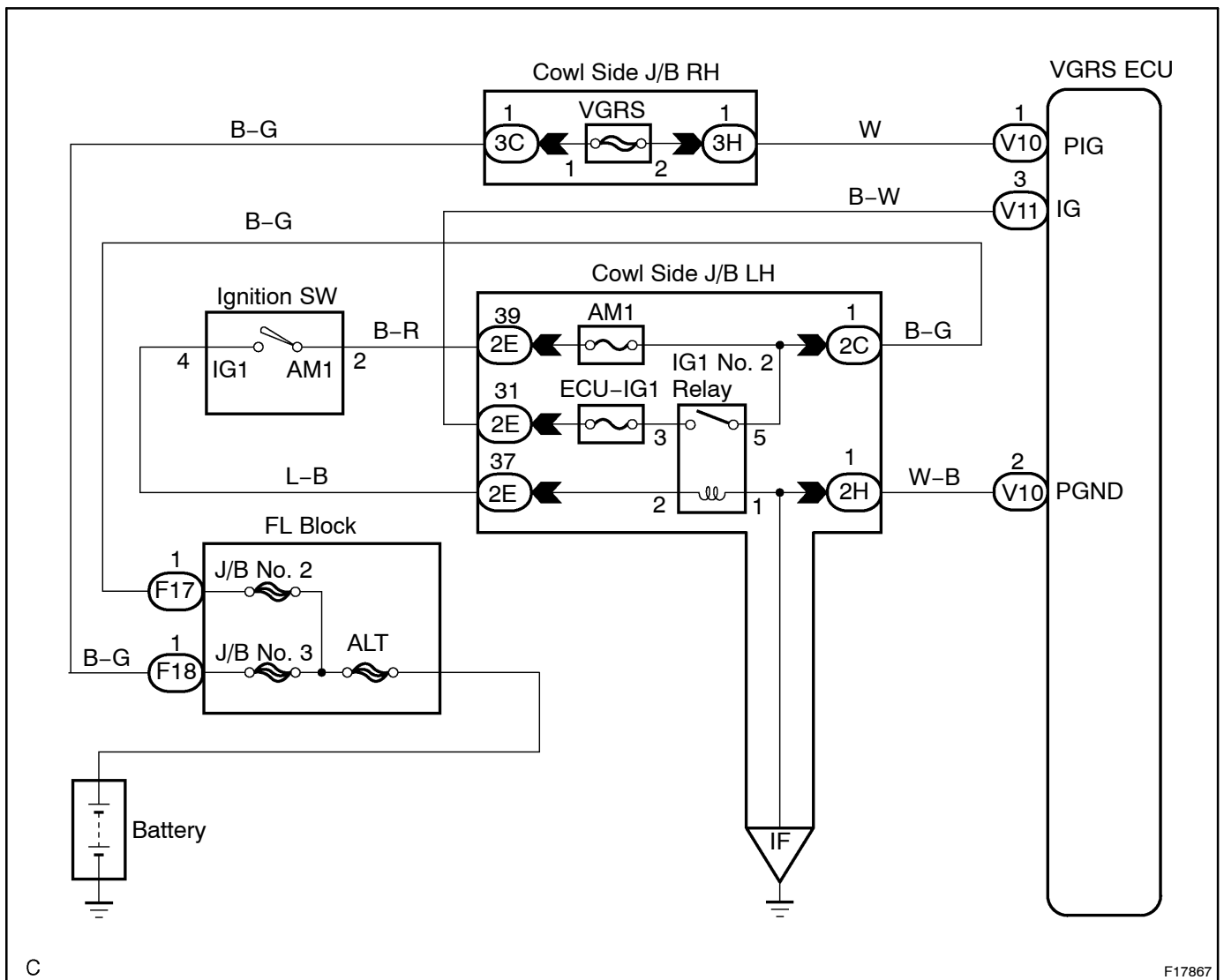
DTC	C1552 / 52	DC Motor Power Source Voltage Malfunction
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CIRCUIT DESCRIPTION

The VGRS ECU monitors PIG, (motor power source voltage). If the ECU detects a malfunction, it turns on the warning light, records the DTC and stops VGRS operation.

DTC No.	DTC Detecting Condition	Trouble Area
C1552/52	The system checks that the IG voltage is 9 to 16 V, and the PIG terminal voltage is less than 6 V for 2.4 sec.	• VGRS Fuse • Power source circuit • VGRS ECU

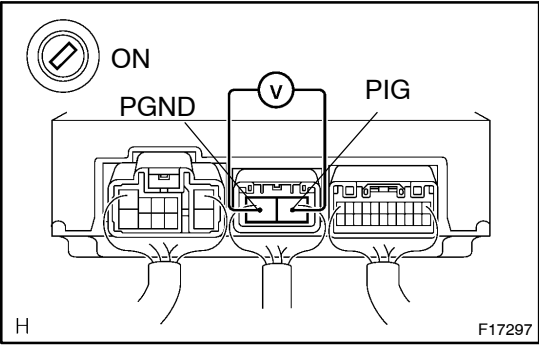
WIRING DIAGRAM



INSPECTION PROCEDURE

1

Check motor power source voltage (PIG).



PREPARATION:
Record and clear VGRS DTCs.

CHECK:
Start the engine and measure the voltage between terminals PIG and PGND of the VGRS ECU.

A	9 to 16 V
B	Below 9 V
C	Above 16 V

B

Check or repair harness and VGRS fuse.

C

Check and repair charging system (See page [CH-2](#)).

A

2

Check VGRS for DTC C1552/52.

Is DTC C1552/52 present?

YES

Replace VGRS ECU.

NO

No fault detected.

NOTICE:
Fault may be intermittent. Check harness and connectors carefully and retest.