

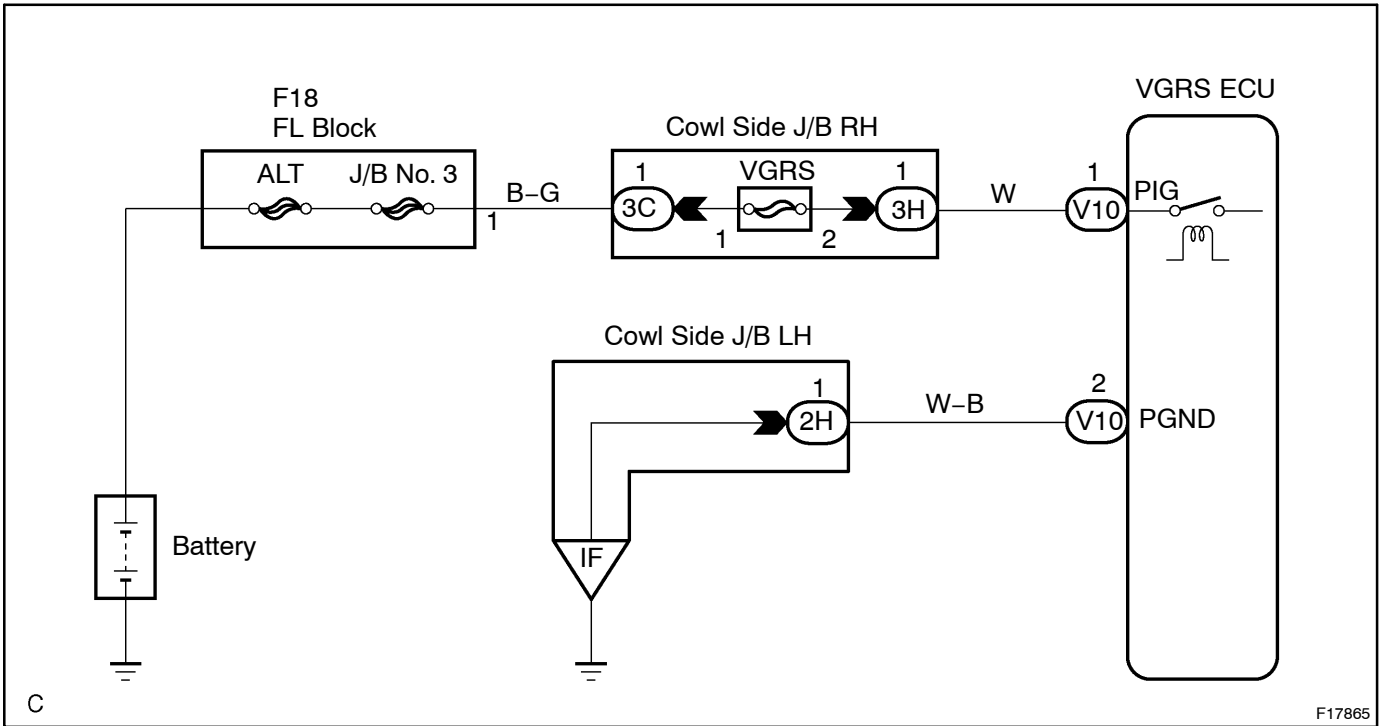
|            |                   |                                   |
|------------|-------------------|-----------------------------------|
| <b>DTC</b> | <b>C1554 / 54</b> | <b>Power Source Relay Failure</b> |
|------------|-------------------|-----------------------------------|

## CIRCUIT DESCRIPTION

When the VGRS ECU detects a malfunction in the power supply relay (located inside the VGRS ECU), the ECU turns on the warning light, records the DTC, and stops VGRS operation.

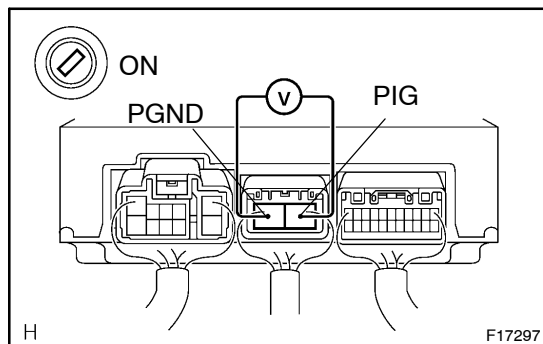
| DTC No.  | DTC Detecting Condition                                                        | Trouble Area                                                                      |
|----------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| C1554/54 | The system detects a malfunction of the power source relay or an open circuit. | <ul style="list-style-type: none"> <li>• VGRS Fuse</li> <li>• VGRS ECU</li> </ul> |

## WIRING DIAGRAM



## INSPECTION PROCEDURE

- 1** Check the voltage between terminals **PIG** and **PGND** of the **VGRS ECU** connector.

**PREPARATION:**

Record and clear VGRS DTCs.

**CHECK:**

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

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

**B**

Check and repair harness and VGRS fuse.

**C**

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

**A**

- 2** Check VGRS for DTC C1554/54.

Is DTC C1551/54 present?

**YES**

Replace VGRS ECU.

**NG**

No fault detected.

**NOTICE:**

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