

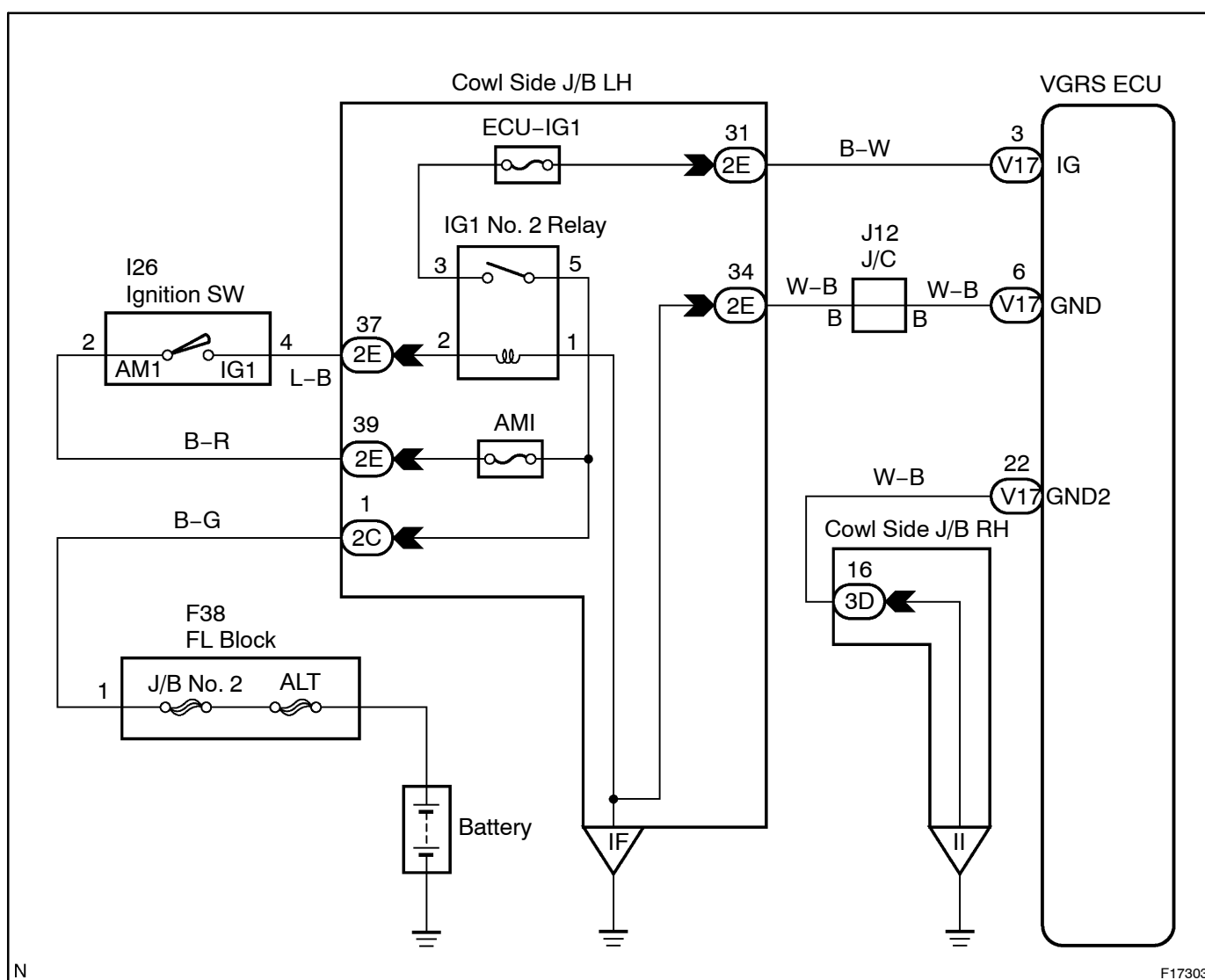
| DTC | C1551 / 51 | IG Power Source Voltage Malfunction |
|-----|------------|-------------------------------------|
|-----|------------|-------------------------------------|

## CIRCUIT DESCRIPTION

The VGRS ECU monitors IG power supply 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                                                                                                                          |
|----------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| C1551/51 | The system checks that the battery voltage is normal and the IG terminal voltage is less than 9 V for 6 sec. | <ul style="list-style-type: none"> <li>• ECU-IG1 fuse</li> <li>• IG circuit</li> <li>• Charging system</li> <li>• VGRS ECU</li> </ul> |

## WIRING DIAGRAM



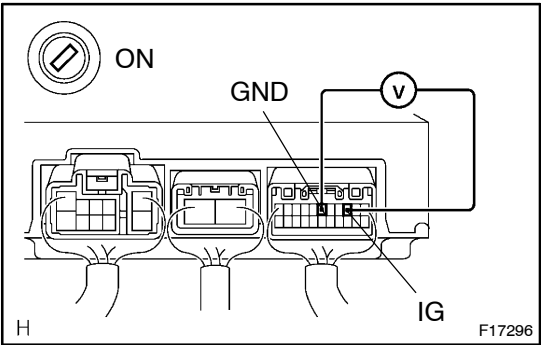
N

F17303

INSPECTION PROCEDURE

1

Check voltage between terminals IG and GND of the VGRS ECU connector.



**PREPARATION:**  
Record and clear VGRS DTCs.

**CHECK:**  
Start the engine and measure the voltage between terminals IG and GND of the VGRS ECU.

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

B

Check or repair harness and ECU-IG1 fuse.

C

Check and repair charging system.

A

2

Check VGRS for DTC C1551/51.

Is DTC C1551/51 present?

YES

Replace VGRS ECU.

NG

No fault detected.

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