

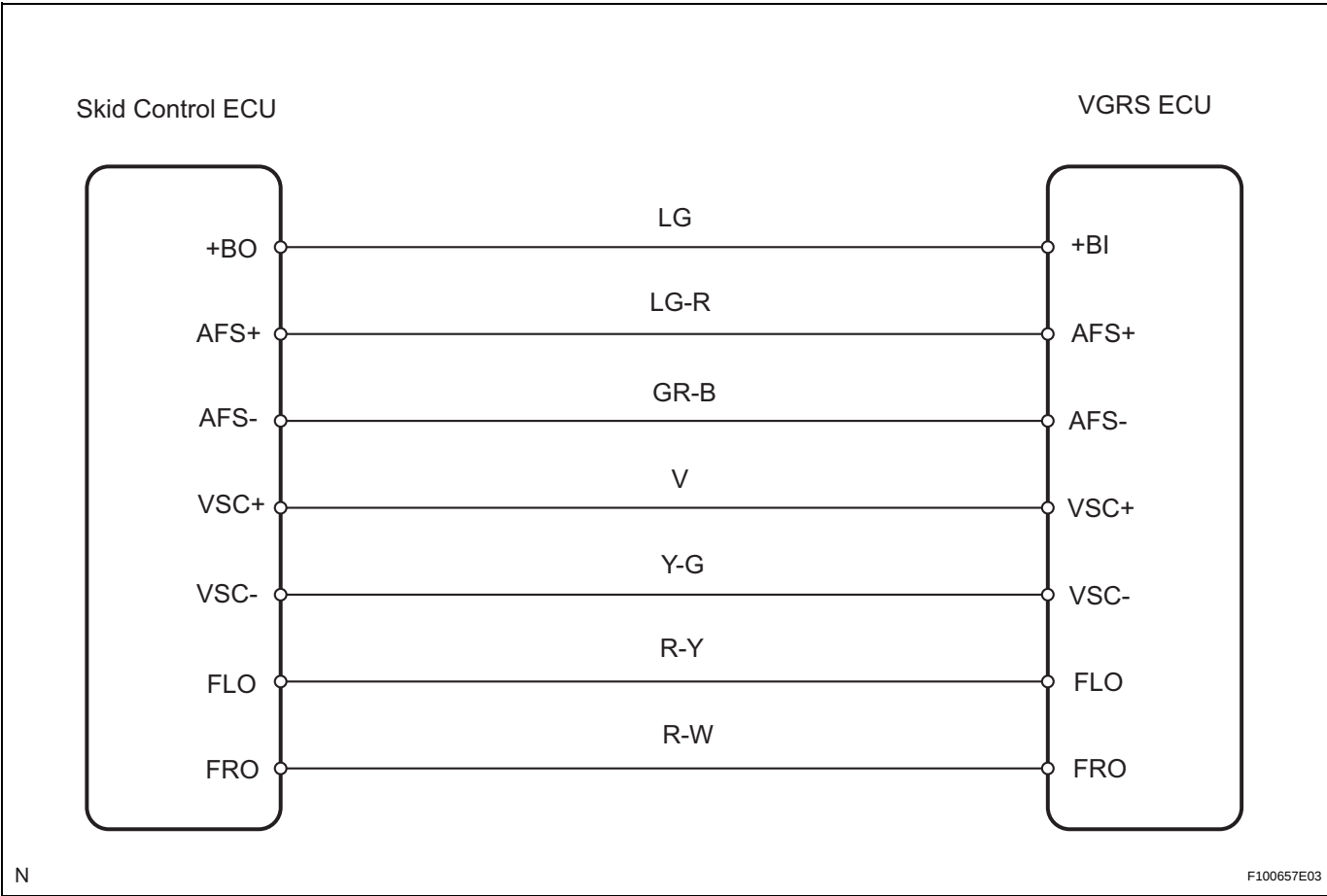
DTC	C1541/41	Speed Sensor Malfunction
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DESCRIPTION

The VGRS system will illuminate the warning light and this DTC will be recorded when some ABS/VSC system DTCs are set.

DTC No.	DTC Detection Condition	Trouble Area
C1541/41	The system receives the information about a malfunction in the steering sensor signal or in the vehicle speed signal from ABS/VSC.	• VSC system • VGRS ECU • Skid control ECU

WIRING DIAGRAM



1	CHECK FOR DTC ABS AND VSC
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(a) Are any ABS/VSC DTCs present?

YES

REPAIR ABS/VSC SYSTEM ACCORDING TO DTC OUTPUT

NO

REPLACE VGRS ECU

DTC	C1549/49	Vehicle Skid Control System Communication Malfunction
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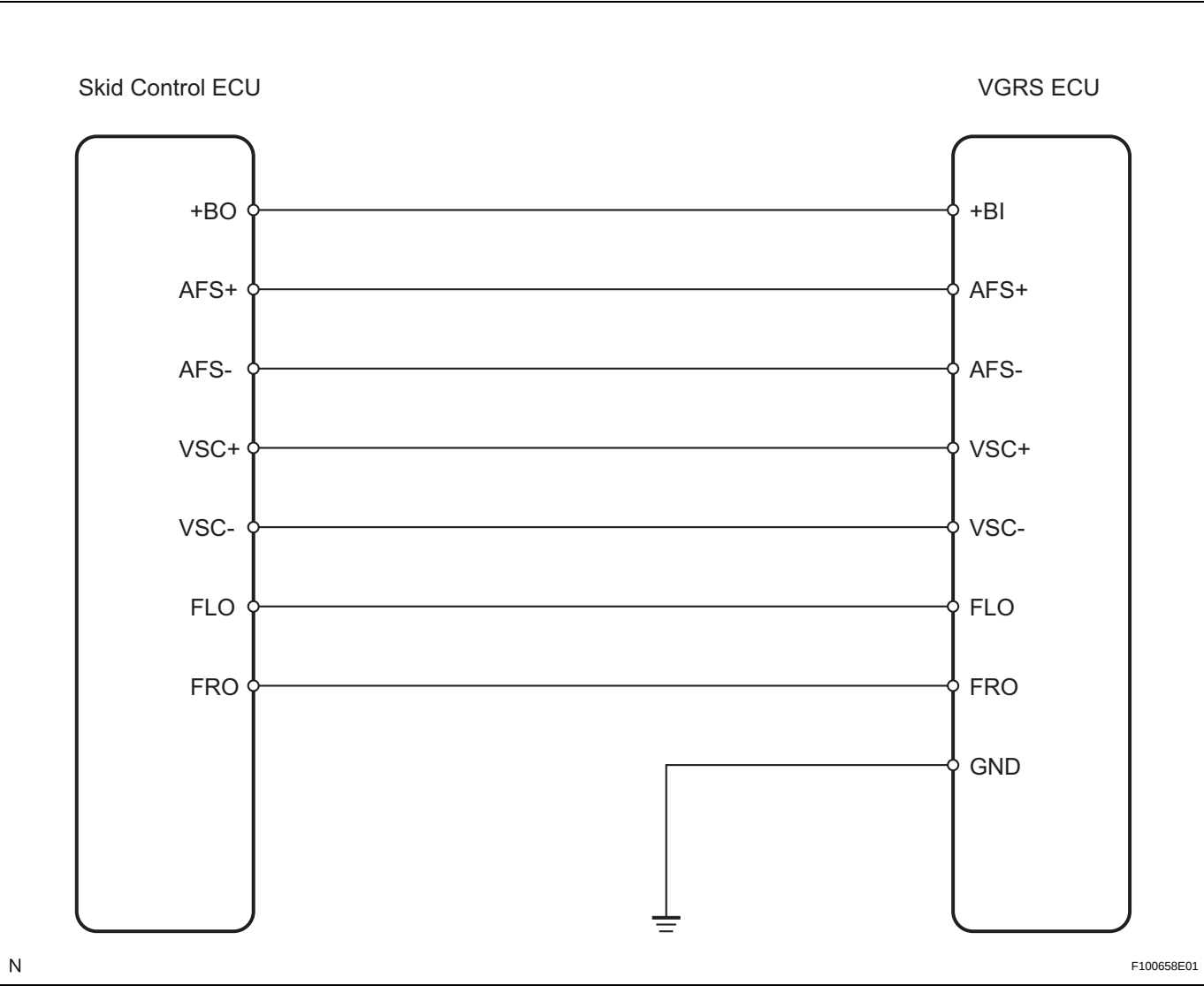
DESCRIPTION

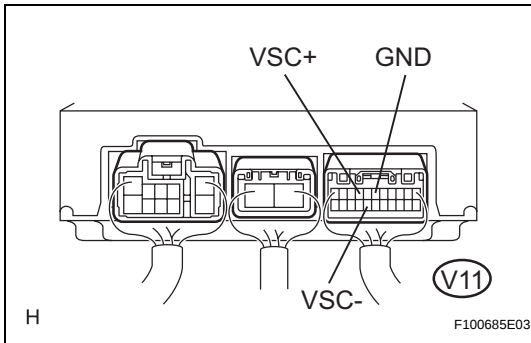
SR

The VGRS ECU communicates with the skid control ECU. However, if any problems in this communication occur, the VGRS ECU turns on the warning light, records the DTC and stops VGRS operation.

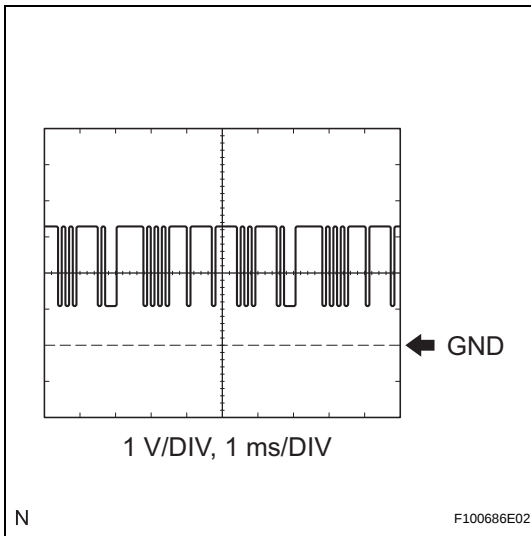
DTC No.	DTC Detection Condition	Trouble Area
C1549 / 49	The system detects a communication malfunction from the skid control ECU for 3 seconds.	• Wire harness and connector • VGRS ECU • Skid control ECU

WIRING DIAGRAM



1 CHECK SIGNAL WAVEFORM

- (a) Start the engine.
(b) Using an oscilloscope, check the waveform between terminals V11-8 (VSC+) and V11-6 (GND) of the VGRS ECU.

OK:**High and low**

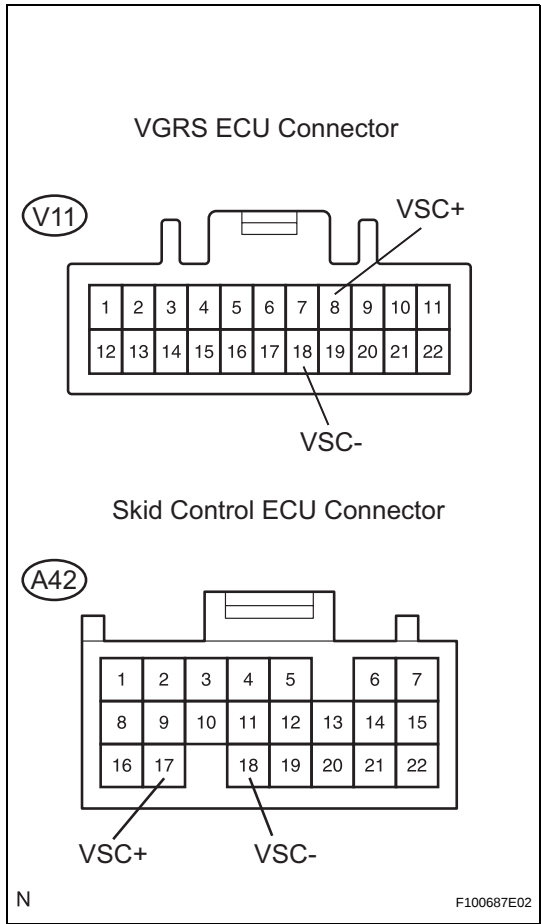
- (c) Using an oscilloscope, check the waveform between terminals V11-18 (VSC-) and V11-6 (GND) of the VGRS ECU.

OK:**High and Low****OK****REPLACE VGRS ECU****NG****SR**

2

CHECK WIRE HARNESS (VGRS ECU - SKID CONTROL ECU)

SR



- (a) Turn the ignition switch OFF.
- (b) Disconnect the V11 VGRS ECU connector and the A42 skid control ECU connector.
- (c) Check continuity between terminals V11-8 (VSC+) - A42-17 (VSC+) and V11-18 (VSC-) - A42-18 (VSC-) of the VGRS ECU and skid control ECU.

OK:
Continuity

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE SKID CONTROL ECU