

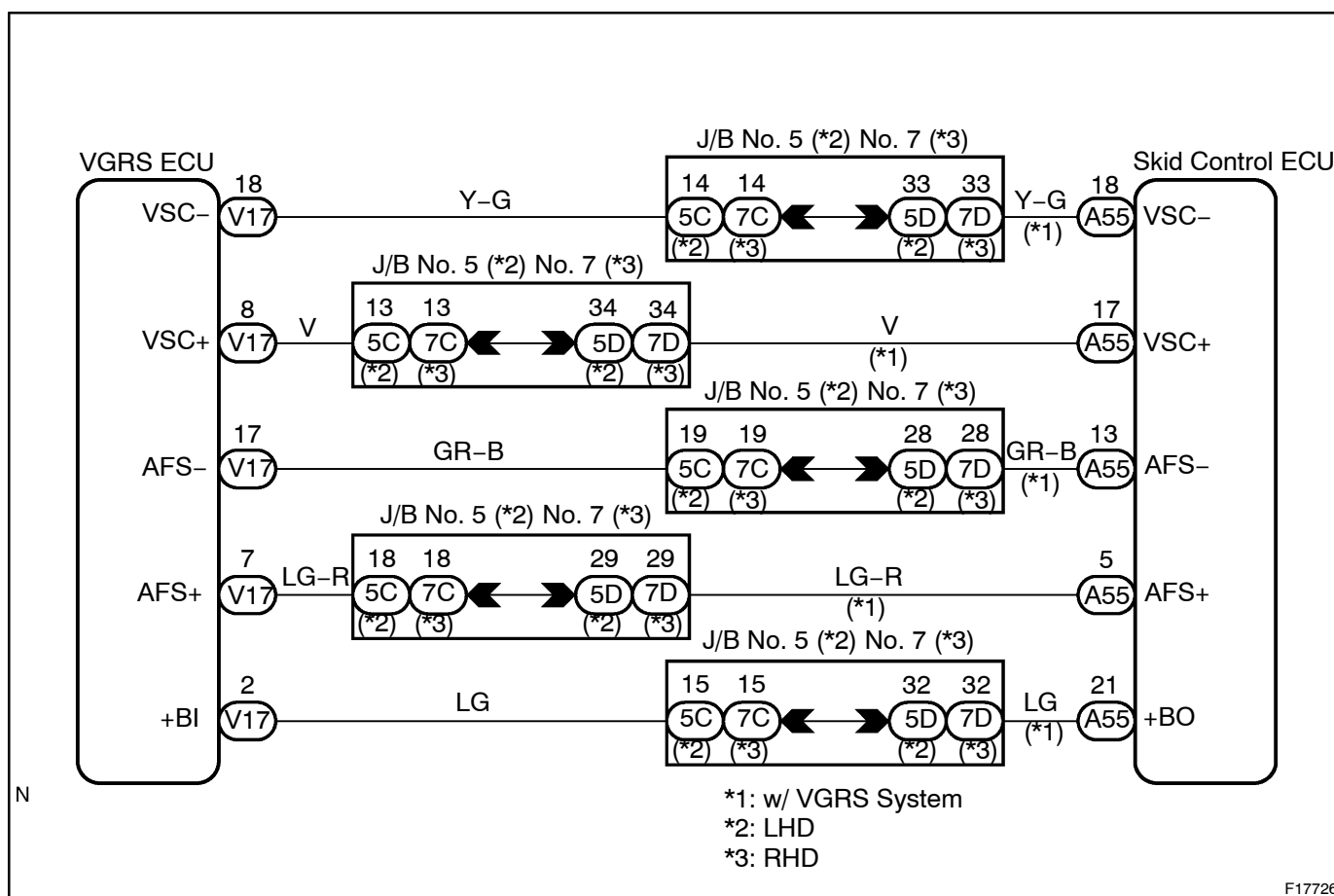
DTC	C1291 / 48	VGRS ECU Communication Circuit Malfunction
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CIRCUIT DESCRIPTION

The circuit is used to send TRC & VSC control information from the skid control ECU to the VGRS ECU (VSC+, VSC-), and VGRS control information from the VGRS ECU to the skid control ECU (AFS+, AFS-).

DTC No.	DTC Detecting Condition	Trouble Area
C1291 / 48	Either of the following 1. or 2. continues for 5 sec.: 1. ECU IG1 terminal voltage is 9.5 V to 17.0 V and data transmission to the VGRS ECU is impossible. 2. ECU IG1 terminal voltage is 9.5 V to 17.0 V and data receiving from the VGRS ECU is impossible.	<ul style="list-style-type: none"> • AFS+ or AFS - circuit • VSC+ or VSC- circuit • VGRS ECU

WIRING DIAGRAM

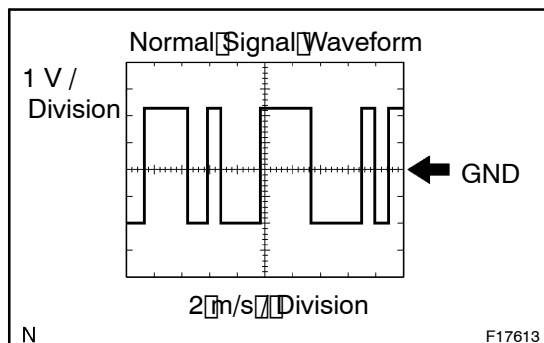


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INSPECTION PROCEDURE

1 Check skid control ECU communication.

(REFERENCE) INSPECTION USING OSCILLOSCOPE



PREPARATION:

- Remove the skid control ECU.
- Connect the oscilloscope to the each of terminals AFS+ or VSC+ and GND of the skid control ECU.

CHECK:

Start the engine, and check the signal waveform.

NG

Check and replace skid control ECU.

OK

2 Check for open and short circuit in harness and connector between each of terminals AFS+, AFS-, VSC+, VSC- of skid control ECU and VGRS ECU (See page IN-38).

NG

Repair or replace harness or connector.

OK

Check and replace VGRS ECU.