DIASF–01

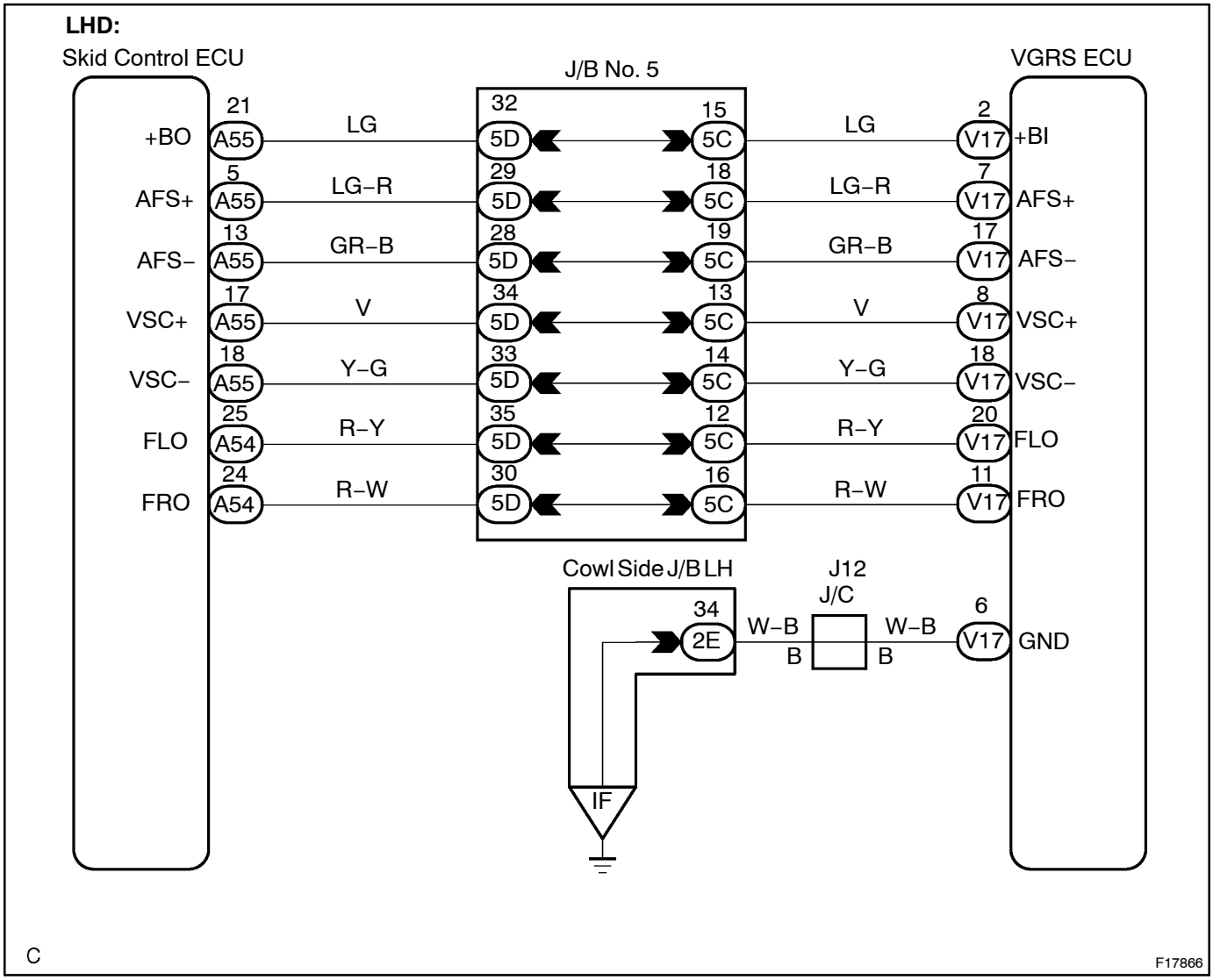
DTC	C 1549 / 49	Vehicle Skid Control System Communication Malfunction

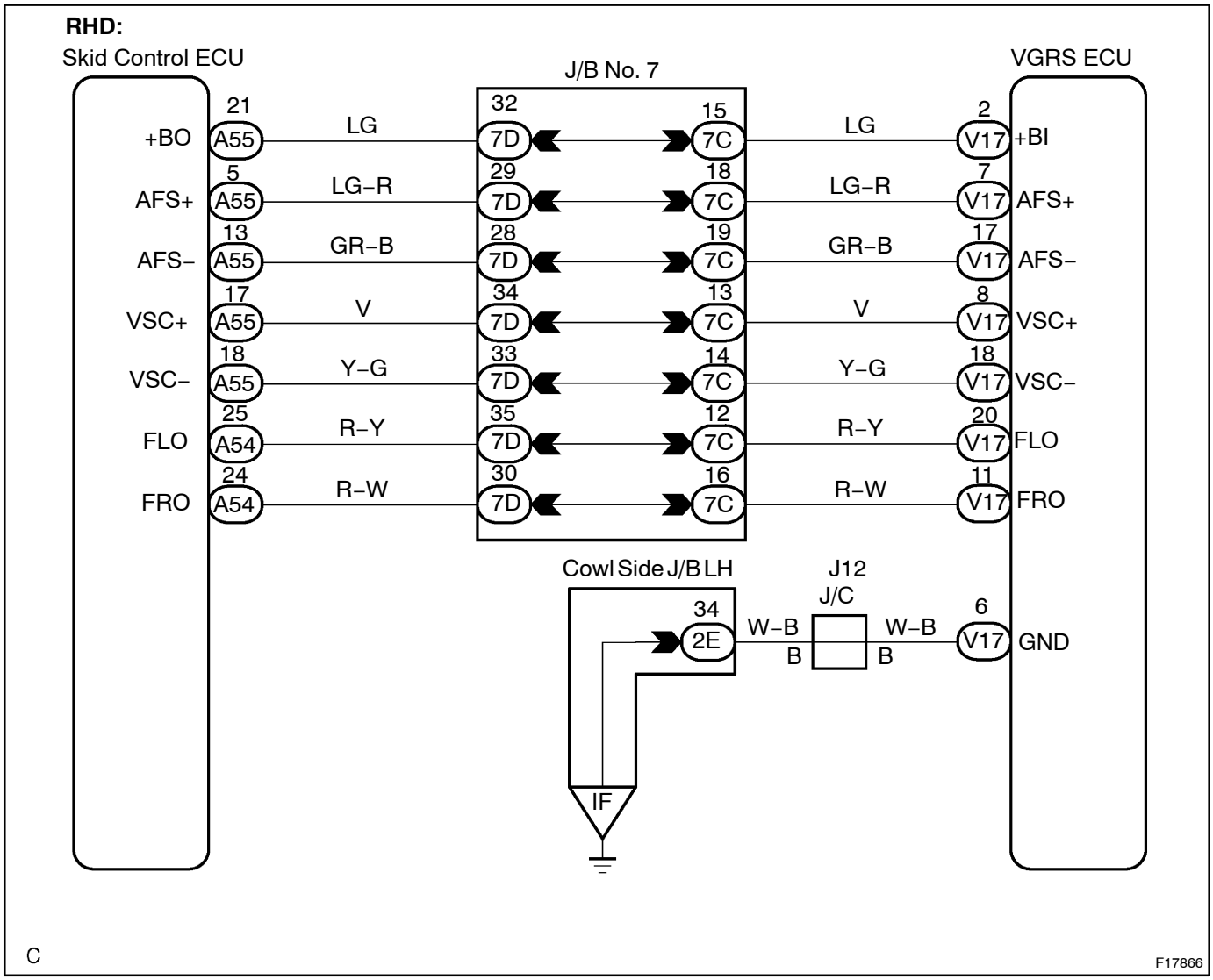
CIRCUIT DESCRIPTION

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 Detecting 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

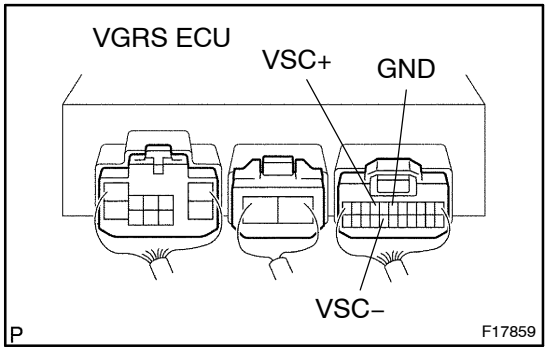
WIRING DIAGRAM

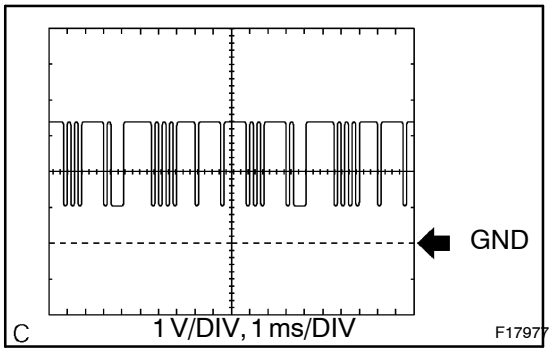



RHD:
Skid Control ECU
J/B No. 7
VGRS ECU
+BO
AFS+
AFS–
VSC+
VSC–
FLO
FRO
21
A55
5
A55
13
A55
17
A55
18
A55
25
A54
24
A54
LG
LG–R
GR–B
V
Y–G
R–Y
R–W
32
7D
29
7D
28
7D
34
7D
33
7D
35
7D
30
7D
15
7C
18
7C
19
7C
13
7C
14
7C
12
7C
16
7C
LG
LG–R
GR–B
V
Y–G
R–Y
R–W
2
V17
7
V17
17
V17
8
V17
18
V17
20
V17
11
V17
+BI
AFS+
AFS–
VSC+
VSC–
FLO
FRO
Cowl Side J/B LH
J12
J/C
34
2E
W–B
B
W–B
B
6
V17
GND
IF
C
F17866

INSPECTION PROCEDURE

1	**Check the signal waveform.**





PREPARATION:

Start the engine.

CHECK:

(a) Using an oscilloscope, check the waveform between VSC+ and GND of the VGRS ECU.

OK:

High and Low

(b) Using an oscilloscope, check the waveform between VSC– and GND of the VGRS ECU.

OK:

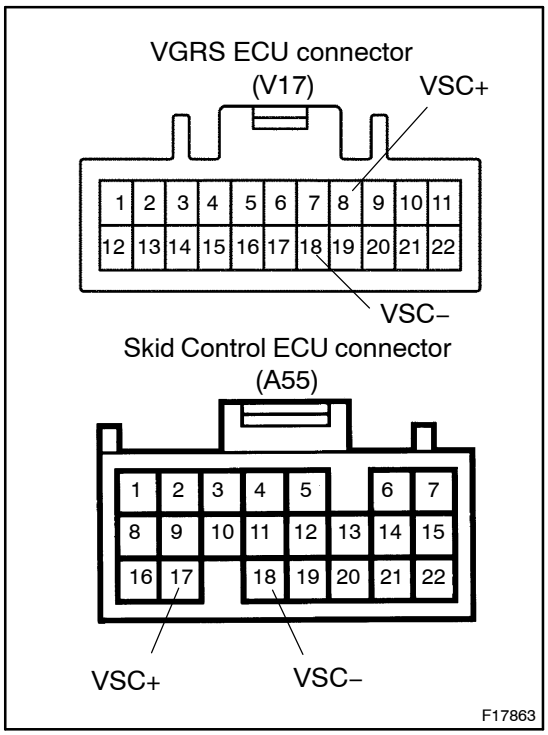
High and Low

OK	**Replace VGRS ECU.**

NG

Proceed to step 2

2	**Check for an open or short circuit in the harness and connector between terminals VSC+ and VSC– of the VGRS ECU, and between terminals VSC+ and VSC– of the skid control ECU (See page IN–38).**



PREPARATION:

(a) Turn the ignition switch OFF.

(b) Disconnect the VGRS ECU connector (V17) and the skid control ECU connector (A55).

CHECK:

Check continuity between terminal VSC+ and VSC – of the VGRS ECU and skid control ECU.

OK:

Continuity

NG → **Repair or replace harness and connector.**

OK

3	**Check for a short to ground in the VSC+ and VSC – circuit.**

OK:

No short to ground.

NG → **Repair or replace harness and connector.**

OK

Replace skid control ECU.