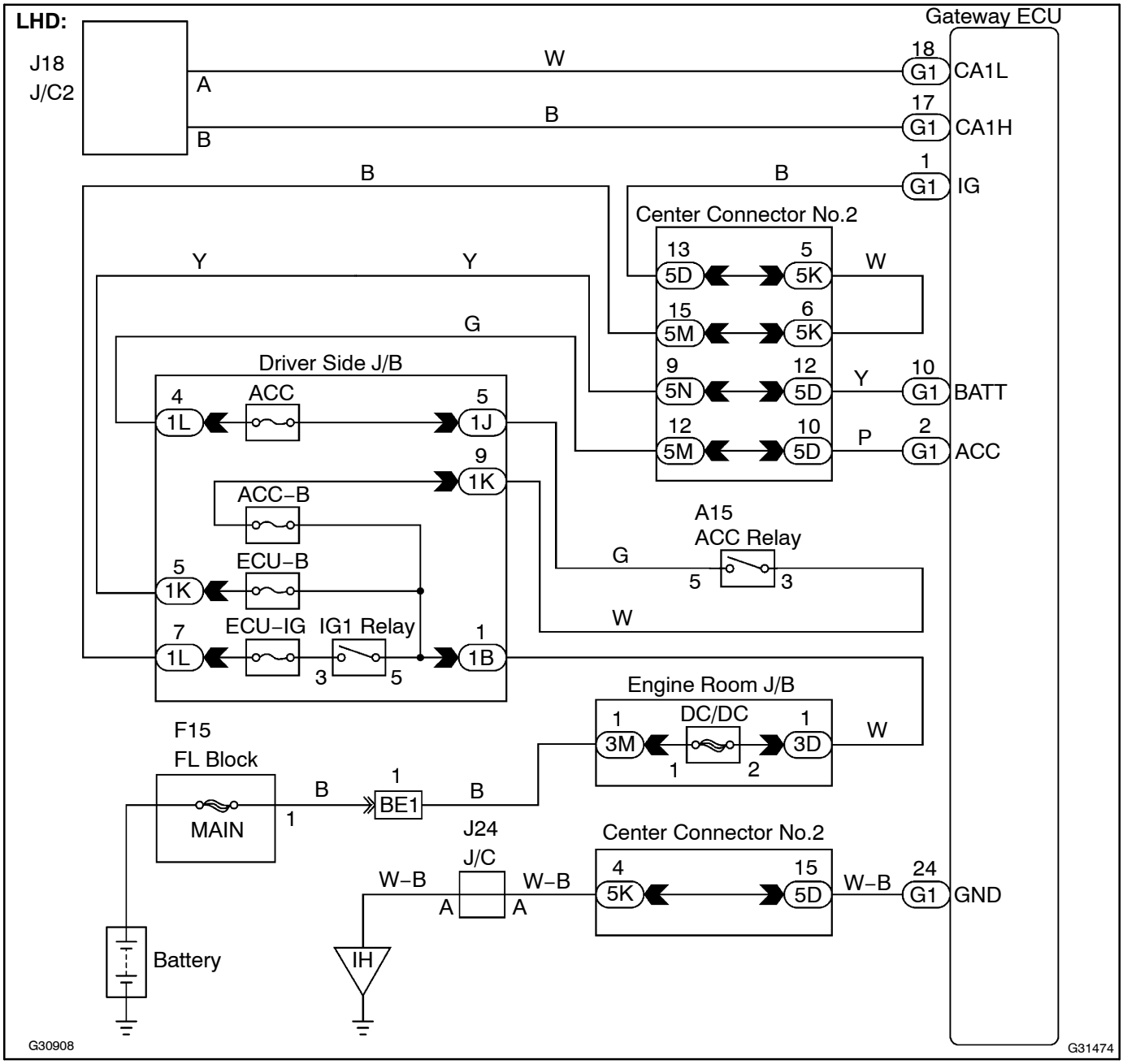
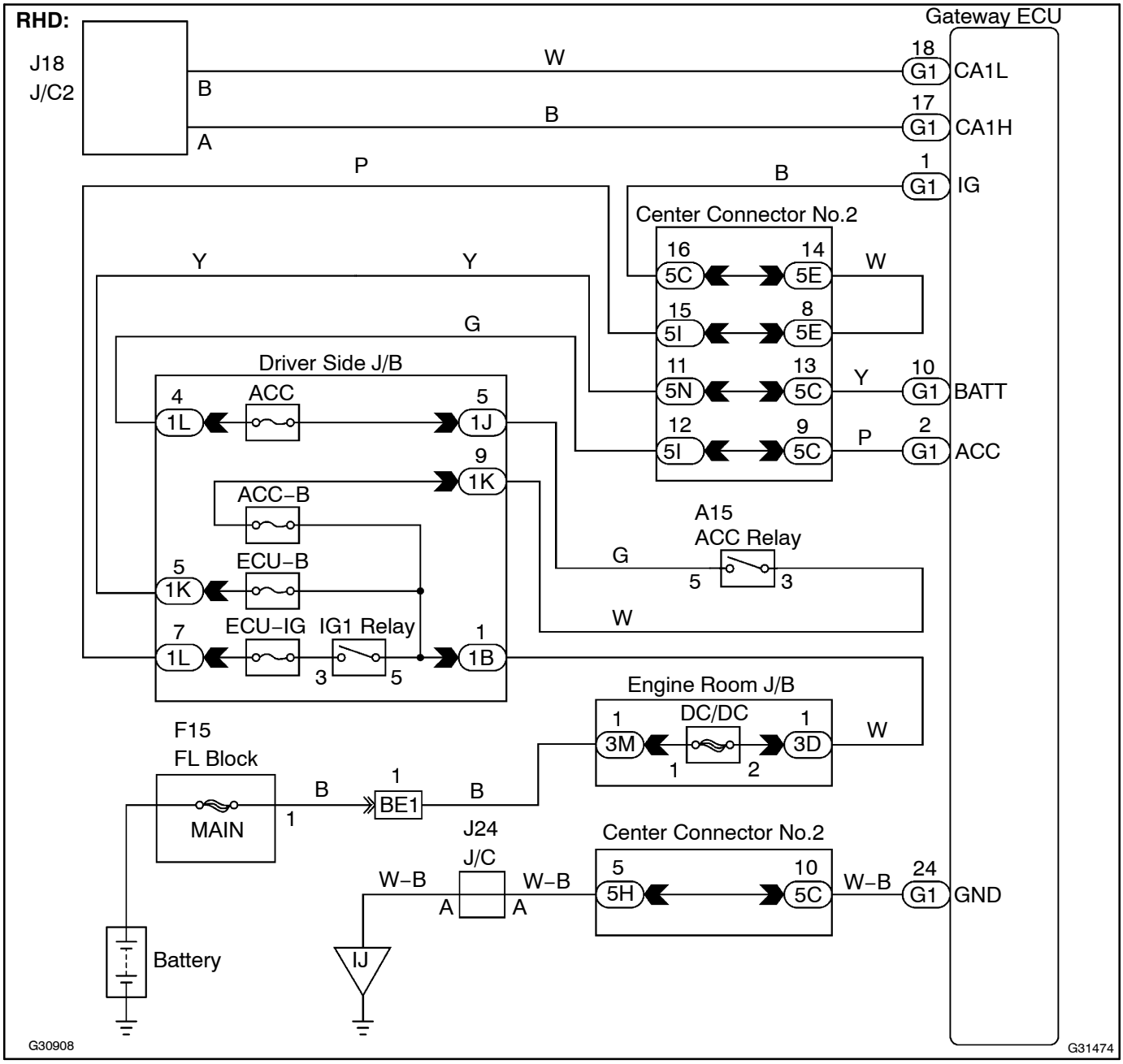
GATEWAY ECU COMMUNICATION STOP MODE

MODE DESCRIPTION

Detection Item	Symptom	Trouble Area
GATEWAY ECU COMMUNICATION STOP MODE	• ”Body/Gateway” is not displayed on the ”Communication Bus Check” screen of the intelligent tester II. • Applies to ”GATEWAY ECU COMMUNICATION STOP MODE” in the DTC COMBINATION TABLE” (see page 05–2315).	• Power source or inside the gateway ECU • Gateway ECU sub bus line or connector

WIRING DIAGRAM

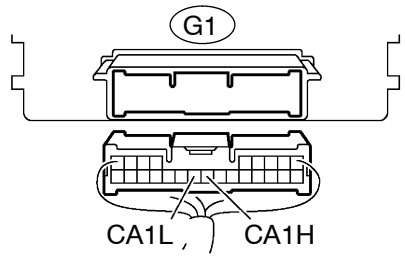



RHD:
Gateway ECU
J18
J/C2
W
B
B
A
18
G1
CA1L
17
G1
CA1H
P
B
1
G1
IG
Center Connector No.2
16
5C
14
5E
W
Y
Y
15
5I
8
5E
G
Driver Side J/B
11
5N
13
5C
Y
10
G1
BATT
4
1L
ACC
5
1J
12
5I
9
5C
P
2
G1
ACC
9
1K
ACC–B
A15
ACC Relay
G
5
3
5
1K
ECU–B
W
7
1L
ECU–IG
IG1 Relay
1
1B
3
5
Engine Room J/B
1
3M
DC/DC
1
3D
W
1
2
F15
FL Block
B
1
BE1
B
MAIN
1
J24
J/C
Center Connector No.2
W–B
W–B
5
5H
10
5C
W–B
24
G1
GND
A
A
Battery
IJ
G30908
G31474

INSPECTION PROCEDURE

1 CHECK CAN BUS LINE FOR DISCONNECTION(GATEWAY ECU SUB BUS LINE)

Gateway ECU Wire Harness View:



(a) Turn the power switch off.
(b) Disconnect the gateway ECU connector (G1).
(c) Measure the resistance according to the value(s) in the table below.

Standard:

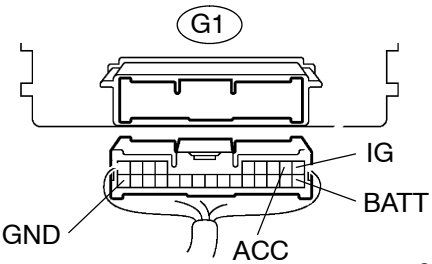
Tester connection	Condition	Specified value
G1–17 (CA1H) – G1–18 (CA1L)	Power Switch OFF	54 to 69 Ω

NG → **REPLACE GATEWAY ECU SUB BUS LINE OR CONNECTOR (CAN–H, CAN–L)**

OK

2 CHECK WIRE HARNESS(BATT,ACC,IG,GND)

Gateway ECU Wire Harness View:



(a) Measure the resistance according to the value(s) in the table below.
(b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
G1–24 (GND) – Body ground	Always	Below 1 Ω
G1–10 (BATT) – Body ground	Always	10 to 14 V
G1–2 (ACC) – Body ground	Power Switch ON (ACC)	10 to 14 V
G1–1 (IG) – Body ground	Power Switch ON (IG)	10 to 14 V

NG → **REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR**

OK

REPLACE GATEWAY ECU (SEE PAGE 67–26)