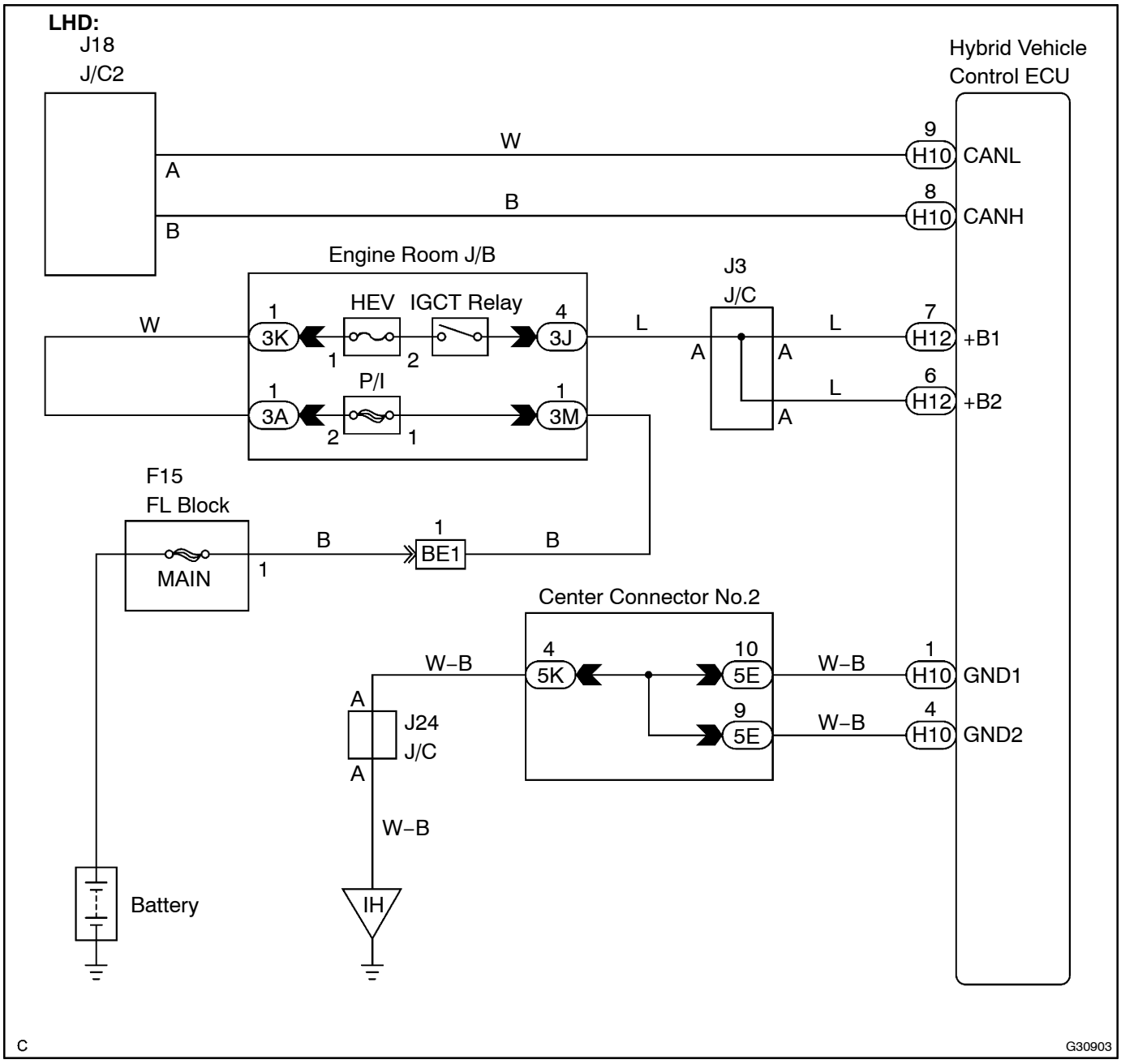
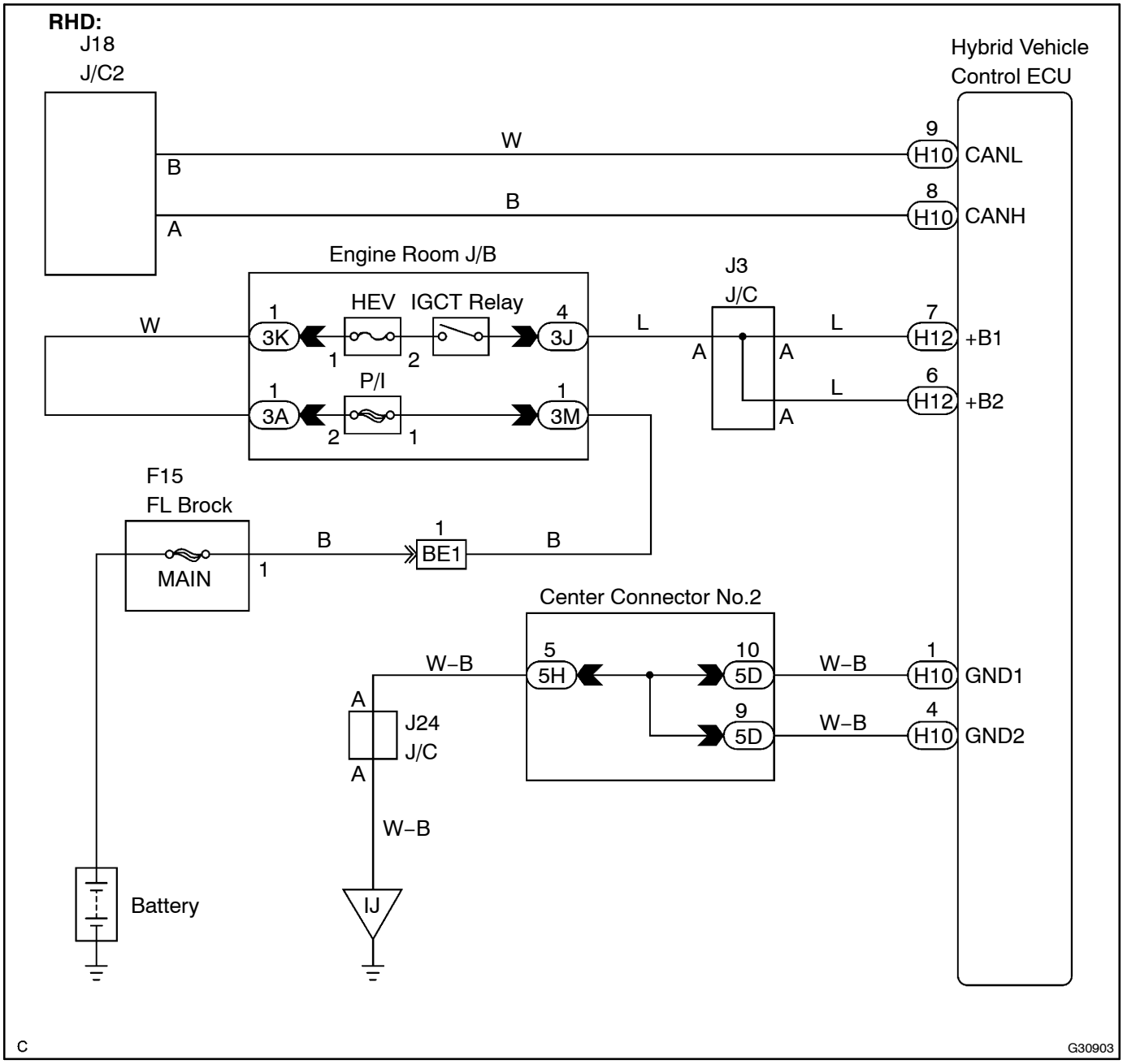
HYBRID VEHICLE CONTROL ECU COMMUNICATION STOP MODE

MODE DESCRIPTION

Detection Item	Symptom	Trouble Area
HYBRID VEHICLE CONTROL ECU COMMUNICATION STOP MODE	• ”Hybrid Control” is not displayed on the ” Communication Bus Check” screen of the intelliget tester II. • Applies to ”HYBRID VEHICLE CONTROL ECU COMMUNICATION STOP MODE” in the ”DTC COMBINATION TABLE”[(see page 05–2315).	• Power source or inside the hybrid vehicle control ECU • Hybrid vehicle control ECU sub bus line or connector

WIRING DIAGRAM

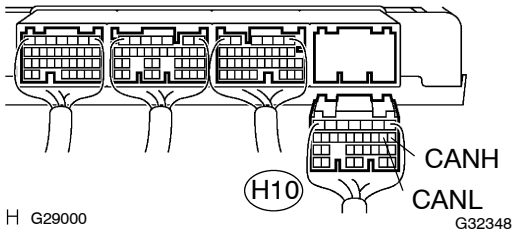



RHD:
J18
J/C2
Hybrid Vehicle
Control ECU
W
B
9
H10
CANL
B
A
8
H10
CANH
Engine Room J/B
HEV IGCT Relay
J3
J/C
W
1
3K
1
2
4
3J
L
A
A
L
7
H12
+B1
P/I
1
3A
2
1
1
3M
A
L
6
H12
+B2
F15
FL Brock
MAIN
1
B
1
BE1
B
Center Connector No.2
5
5H
10
5D
W–B
1
H10
GND1
W–B
9
5D
W–B
4
H10
GND2
A
J24
J/C
A
W–B
Battery
IJ
C
G30903

INSPECTION PROCEDURE

1	CHECK CAN BUS LINE FOR DISCONNECTION(HYBRID VEHICLE CONTROL ECU SUB BUS LINE)

Hybrid Vehicle Control ECU Wire Harness View:



(a) Turn the power switch off.
(b) Disconnect the hybrid vehicle control ECU connector (H10).
(c) Measure the resistance according to the value(s) in the table below.

Standard:

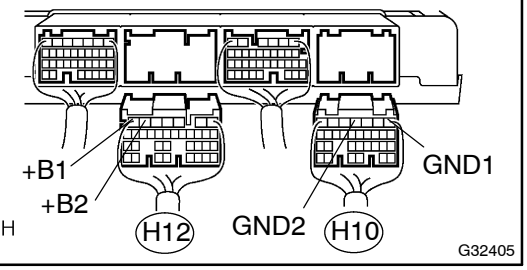
Tester connection	Condition	Specified value
H14–8 (CANH) – H14–9 (CANL)	Power Switch OFF	54 to 69 Ω

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

OK

2	CHECK WIRE HARNESS

Hybrid Vehicle Control ECU Wire Harness View:



(a) Disconnect the hybrid vehicle control ECU connector (H12).
(b) Measure the resistance according to the value(s) in the table below.
(c) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified value
H10–1 (GND1) – Body ground	Always	Below 1 Ω
H10–4 (GND2) – Body ground	Always	Below 1 Ω
H12–7 (+B1) – Body ground	Power Switch ON (IG)	10 to 14 V
H12–6 (+B2) – Body ground	Power Switch ON (IG)	10 to 14 V

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

OK

REPLACE HYBRID VEHICLE CONTROL ECU (SEE PAGE 21–128)