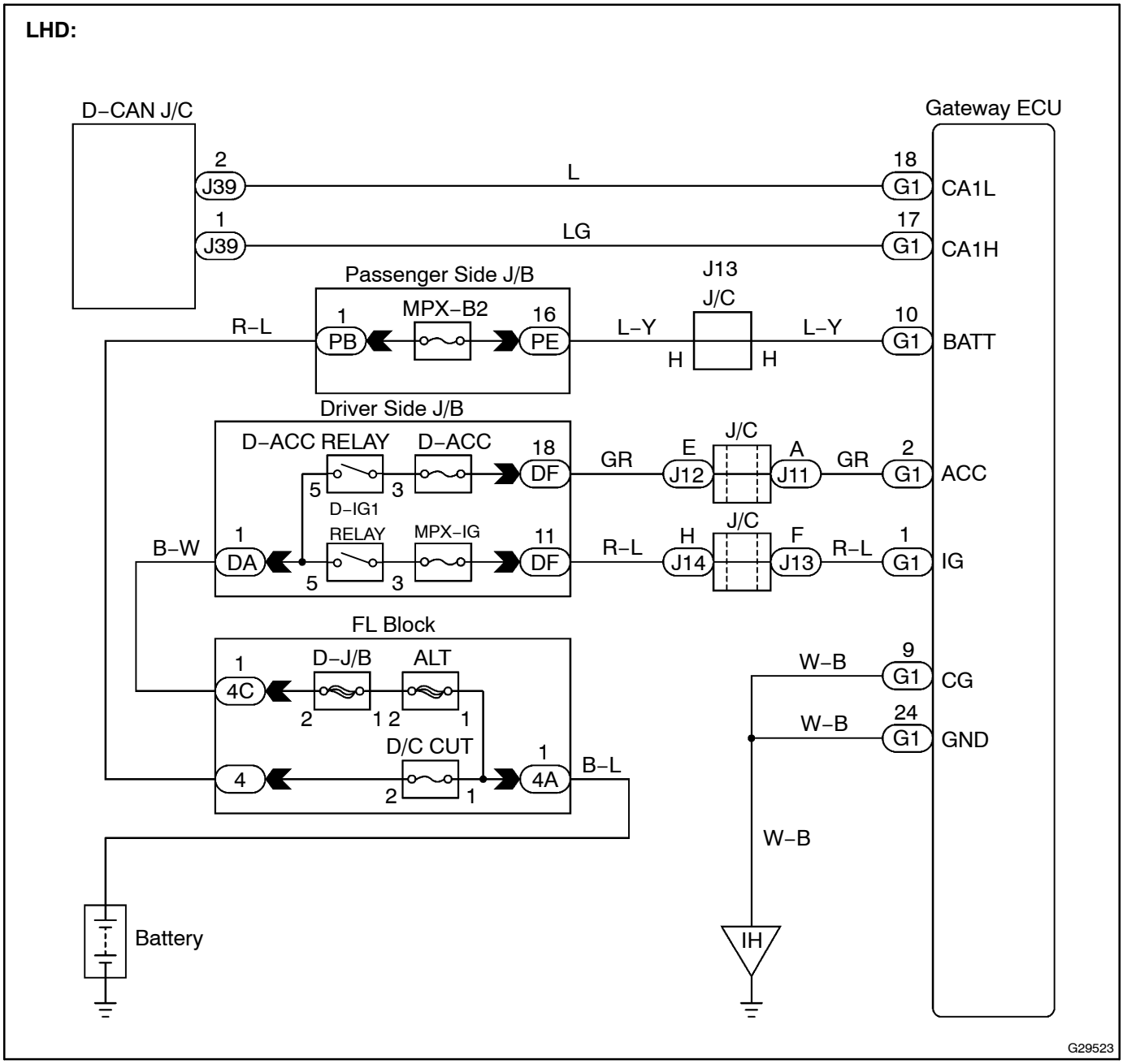
GATEWAY ECU COMMUNICATION STOP MODE

MODE DESCRIPTION

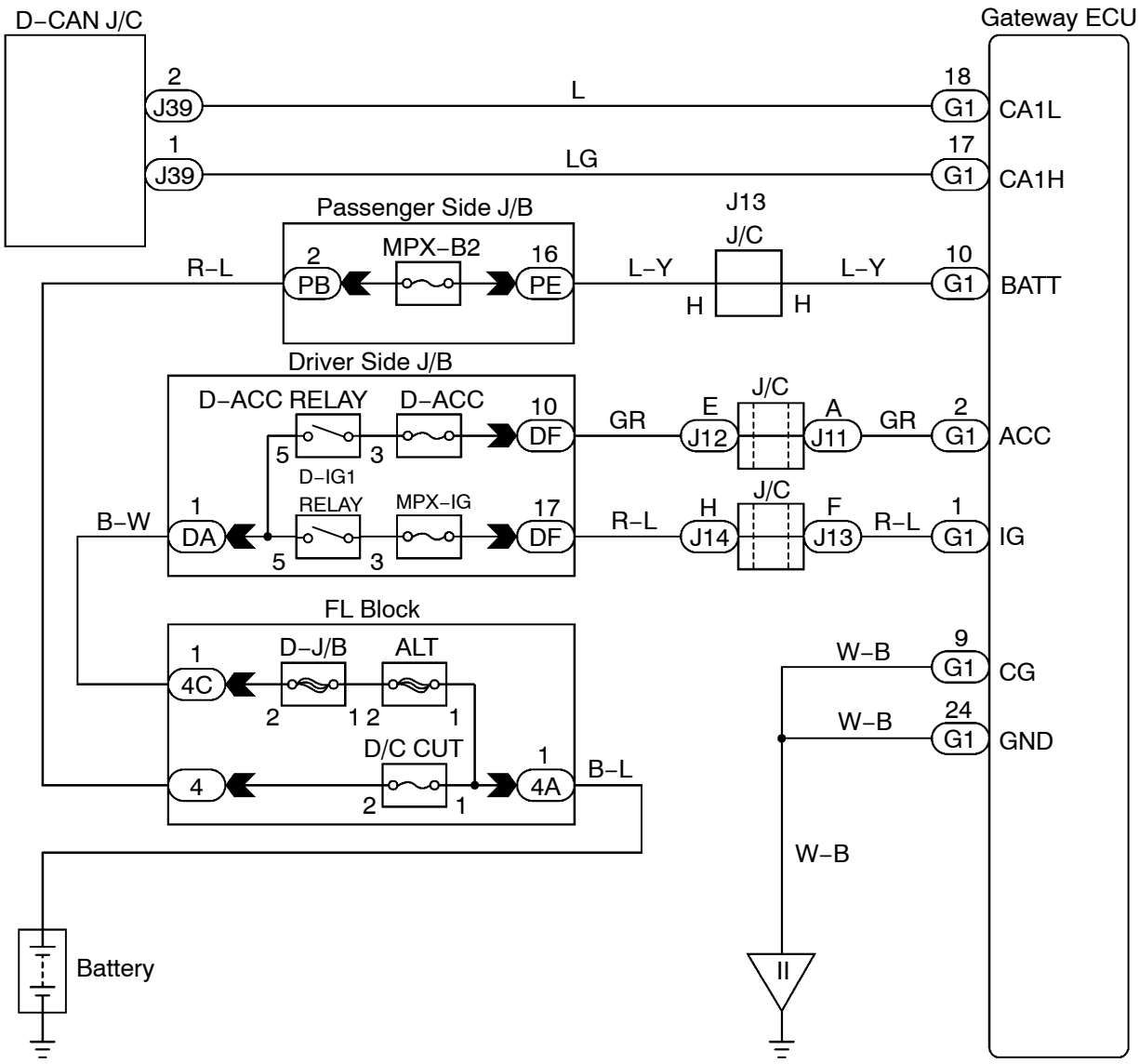
Detection Item	Symptom	Trouble Area
GATEWAY ECU COMMUNICATION STOP MODE	• "Body/Gateway" is not displayed on the "Communication Bus Check" screen of the intelligent tester II. • Applies to "GATEWAY ECU COMMUNICATION STOP MODE" in the DTC COMBINATION TABLE" (see page 05–3309).	• Power source or inside the gateway ECU • Gateway ECU sub bus line or connector

WIRING DIAGRAM

LHD:



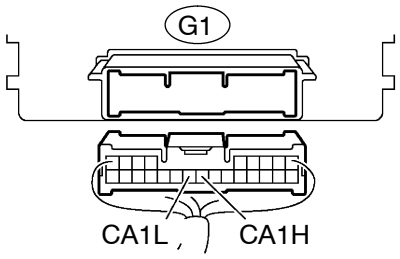
RHD:


D–CAN J/C
Gateway ECU
2
J39
L
18
G1
CA1L
1
J39
LG
17
G1
CA1H
Passenger Side J/B
MPX–B2
2
PB
16
PE
R–L
L–Y
J13
J/C
H
H
L–Y
10
G1
BATT
Driver Side J/B
D–ACC RELAY
D–ACC
10
DF
GR
E
J12
J/C
A
J11
GR
2
G1
ACC
5
3
D–IG1
RELAY
MPX–IG
B–W
1
DA
17
DF
R–L
H
J14
J/C
F
J13
R–L
1
G1
IG
FL Block
1
4C
D–J/B
ALT
2
1 2
1
D/C CUT
4
2
1
1
4A
B–L
W–B
9
G1
CG
W–B
24
G1
GND
W–B
Battery
G29523

INSPECTION PROCEDURE

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

Gateway ECU Wire Harness View:



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

Standard:

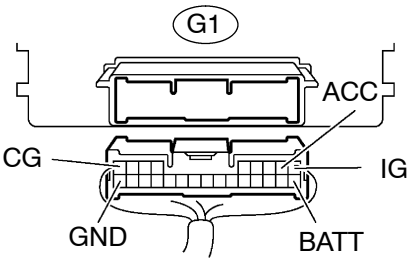
Tester connection	Condition	Specified value
G1–17 (CA1H) – G1–18 (CA1L)	Ignition Switch OFF	54 to 69 Ω

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

OK

2 CHECK WIRE HARNESS(BATT, ACC, IG, CG, 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
G1–9 (CG) – Body ground	Always	Below 1 Ω
G1–24 (GND) – Body ground	Always	Below 1 Ω
G1–10 (BATT) – Body ground	Always	10 to 14 V
G1–2 (ACC) – Body ground	Ignition Switch ACC	10 to 14 V
G1–1 (IG) – Body ground	Ignition Switch ON	10 to 14 V

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

OK

REPLACE GATEWAY ECU