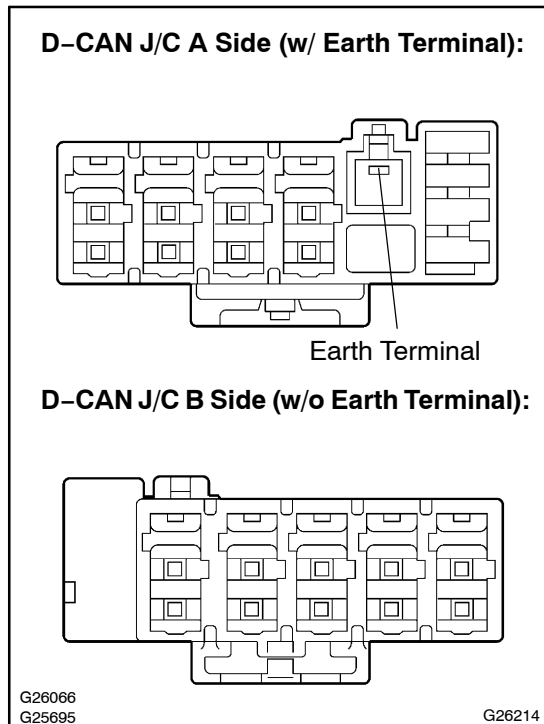


TERMINALS OF ECU

HINT:

This section describes the standard CAN values for all CAN related components.



1. JUNCTION CONNECTOR (D-CAN J/C, P-CAN J/C, LUG CAN J/C), LHD.

(a) D-CAN J/C (LHD).

HINT:

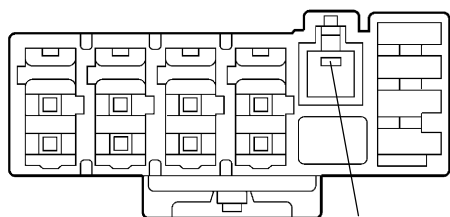
- The connectors connected to the CAN J/C can be distinguished by the colors of the bus lines and the connecting side of the connector.
- The connectors can be connected to any terminals on the same side.

D-CAN J/C connectors (A side, w/ earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
Suspension control ECU *1	BR	Y
Gateway ECU	LG	L
CAN main bus line (bus line to connect D-CAN J/C and P-CAN J/C)	B	W

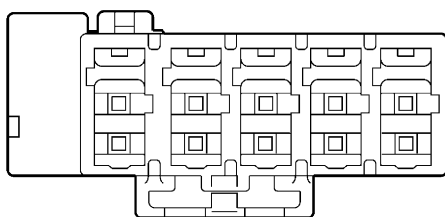
D-CAN J/C connectors (B side, w/o earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
DLC3	B	W
Steering sensor	LG	L
Skid control ECU	BR	Y
ECM	R	W

HINT:

*1....w/ Electronic Modulated Air Suspension.

P-CAN J/C A Side (w/ Earth Terminal):

Earth Terminal

P-CAN J/C B Side (w/o Earth Terminal):

G31967

(b) P-CAN J/C (LHD).

HINT:

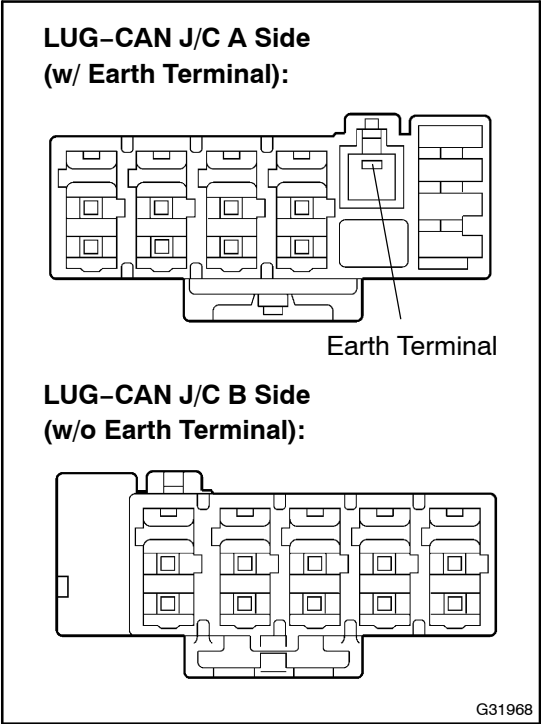
- The connectors connected to the CAN J/C can be distinguished by the colors of the bus lines and the connecting side of the connector.
- The connectors can be connected to any terminals on the same side.

P-CAN J/C connectors (A side, w/ earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
Yaw rate sensor	BR	L
CAN main bus line (bus line to connect P-CAN J/C and D-CAN J/C)	B	W

P-CAN J/C connectors (B side, w/o earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
CAN main bus line (bus line to connect P-CAN J/C and LUG-CAN J/C) *2	B	W

HINT:

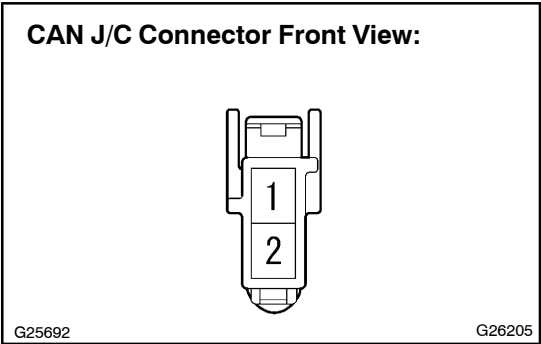
*2: w/ LEXUS Navigation System.



(c) LUG-CAN J/C (LHD).

NOTICE:
The LUG CAN J/C is only mounted in vehicles with a LEXUS Navigation System.

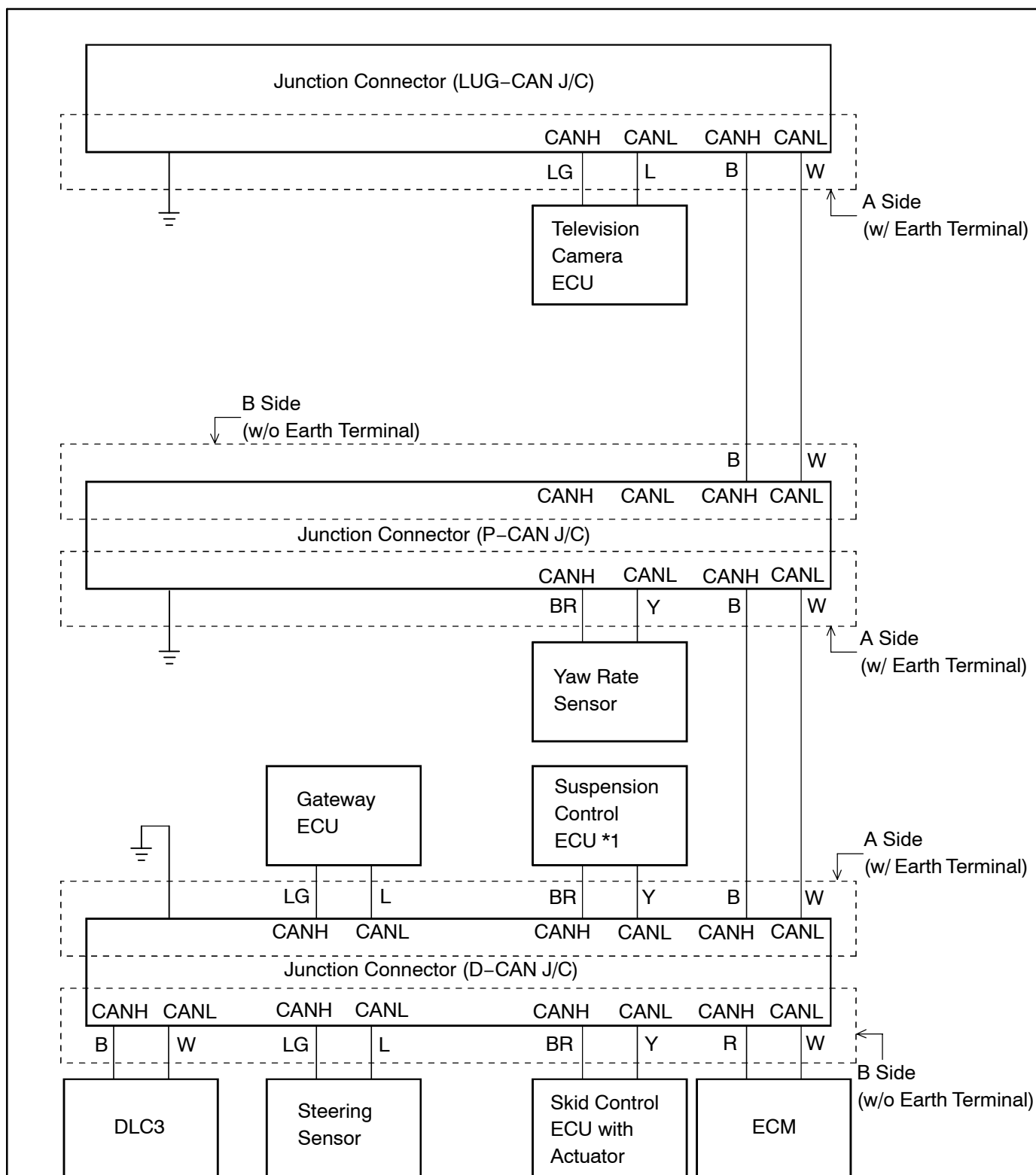
LUG-CAN J/C connectors (A side, w/ earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
Television camera ECU	LG	L
CAN main bus line (bus line to connect LUG-CAN J/C and P-CAN J/C)	B	W



(d) The terminals on connectors for the CAN J/C.

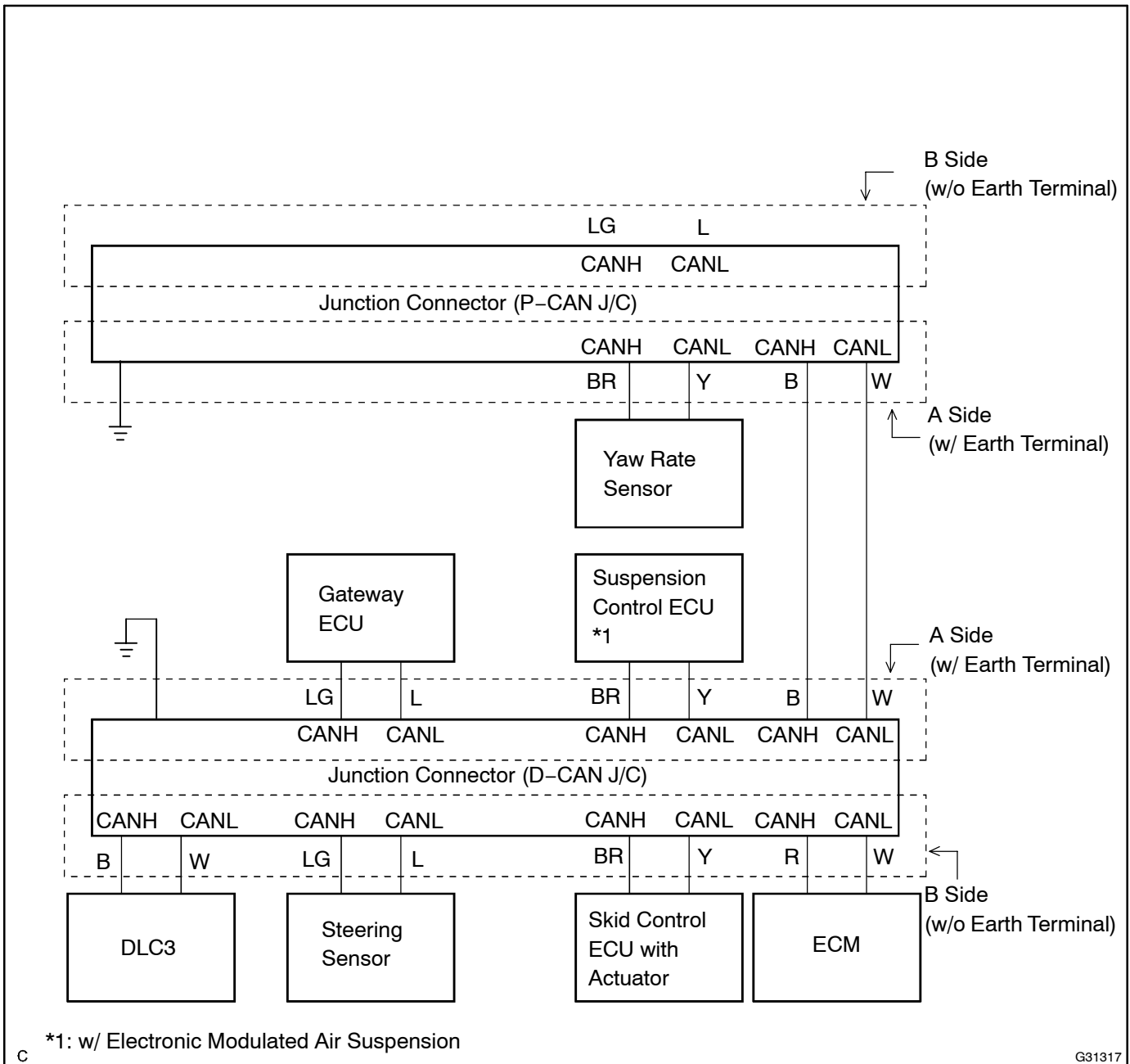
Terminal	Terminal symbol
1	CANH
2	CANL

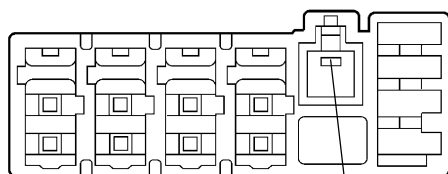
(e) WIRING DIAGRAM FOR IDENTIFYING CAN J/C CONNECTORS
(w/ LEXUS Navigation System), LHD.



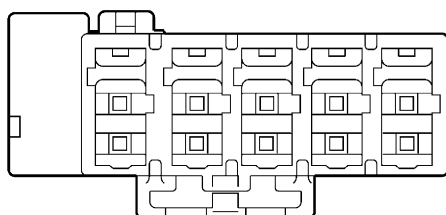
*1: w/ Electronic Modulated Air Suspension

- (f) WIRING DIAGRAM FOR IDENTIFYING CAN J/C CONNECTORS
(w/o LEXUS Navigation System), LHD.



D-CAN J/C A Side (w/ Earth Terminal):

Earth Terminal

D-CAN J/C B Side (w/o Earth Terminal):G26066
G25695

G26214

2. JUNCTION CONNECTOR (D-CAN J/C, P-CAN J/C, LUG CAN J/C), RHD.

(a) D-CAN J/C (RHD).

HINT:

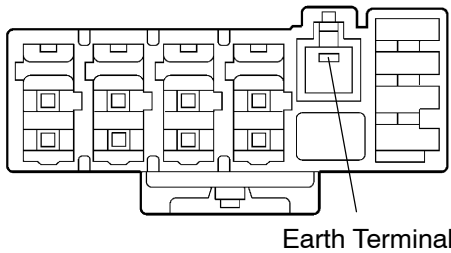
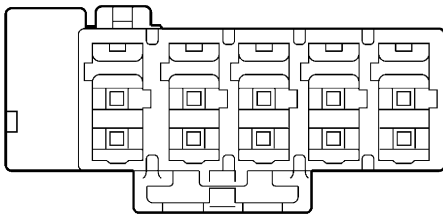
- The connectors connected to the CAN J/C can be distinguished by the colors of the bus lines and the connecting side of the connector.
- The connectors can be connected to any terminals on the same side.

D-CAN J/C connectors (A side, w/ earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
Yaw rate sensor	BR	Y
Steering sensor	LG	L
CAN main bus line (bus line to connect D-CAN J/C and P-CAN J/C)	B	W

D-CAN J/C connectors (B side, w/o earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
Skid control ECU	BR	Y
Gateway ECU	LG	L
CAN main bus line (bus line to connect D-CAN J/C and LUG-CAN J/C *2)	B	W

HINT:

*2: w/ LEXUS Navigation System.

P-CAN J/C A Side (w/ Earth Terminal):**P-CAN J/C B Side (w/o Earth Terminal):**

G31967

(b) P-CAN J/C (RHD).

HINT:

- The connectors connected to the CAN J/C can be distinguished by the colors of the bus lines and the connecting side of the connector.
- The connectors can be connected to any terminals on the same side.

P-CAN J/C connectors (A side, w/ earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
DLC3	LG	L
CAN main bus line (bus line to connect P-CAN J/C and D-CAN J/C)	B	W

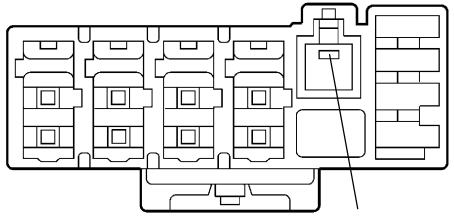
P-CAN J/C connectors (B side, w/o earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
ECM	R	W
Cruise control ECU *3	LG	L
Suspension control ECU *1	BR	Y

HINT:

*1: w/ Electronic Modulated Air Suspension.

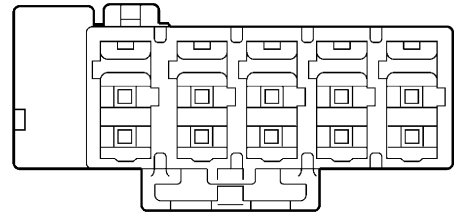
*3: w/ Dynamic Laser Cruise Control.

**LUG-CAN J/C A Side
(w/ Earth Terminal):**



Earth Terminal

**LUG-CAN J/C B Side
(w/o Earth Terminal):**



G31968

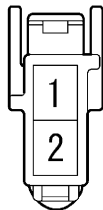
(c) LUG-CAN J/C (RHD).

NOTICE:

The LUG CAN J/C is only mounted in vehicles with a LEXUS Navigation System.

LUG-CAN J/C connectors (A side, w/ earth terminal)	Color (CAN-H Side)	Color (CAN-L Side)
Television camera ECU	LG	L
CAN main bus line (bus line to connect LUG-CAN J/C and P-CAN J/C)	B	W

CAN J/C Connector Front View:



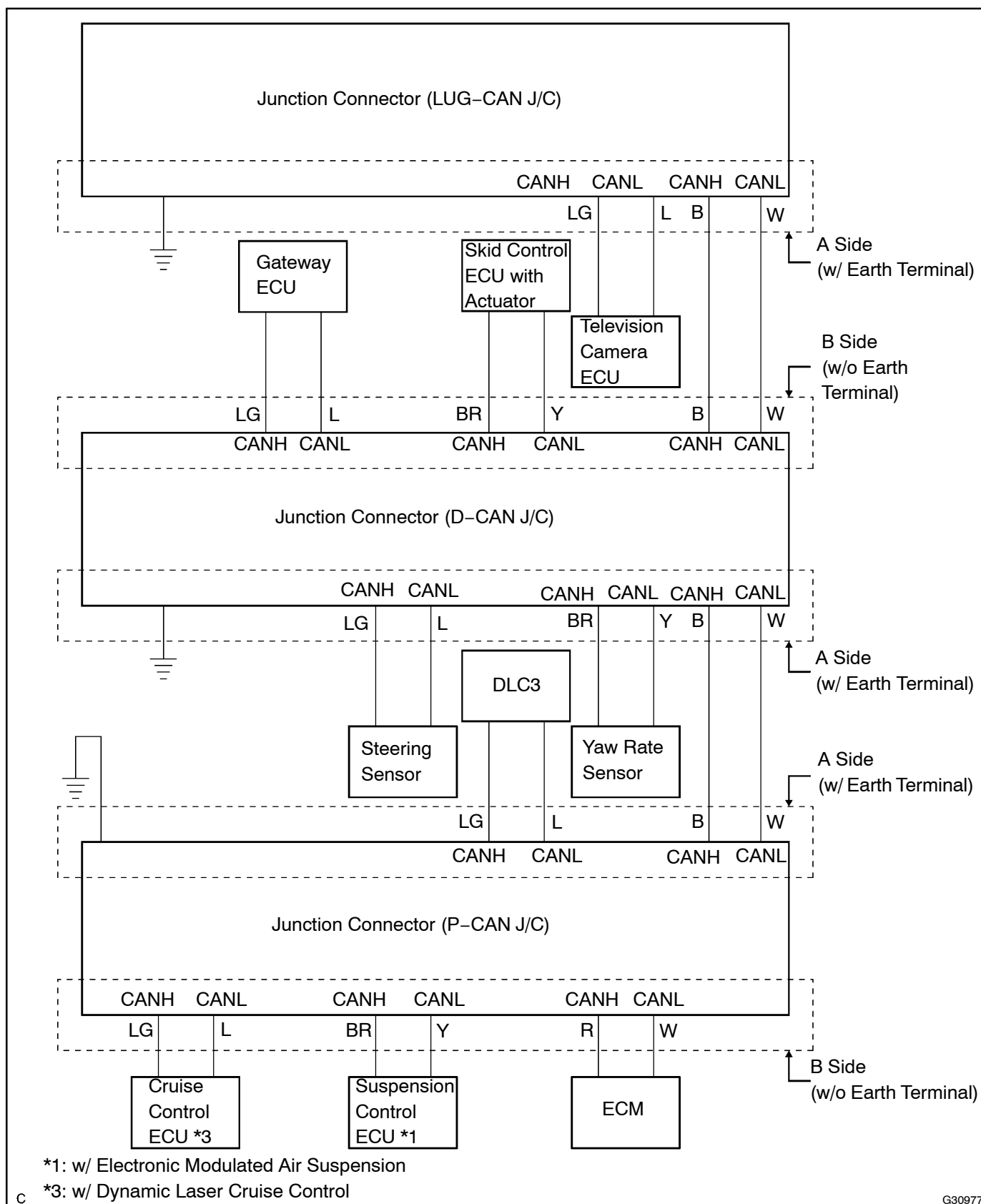
G25692

G26205

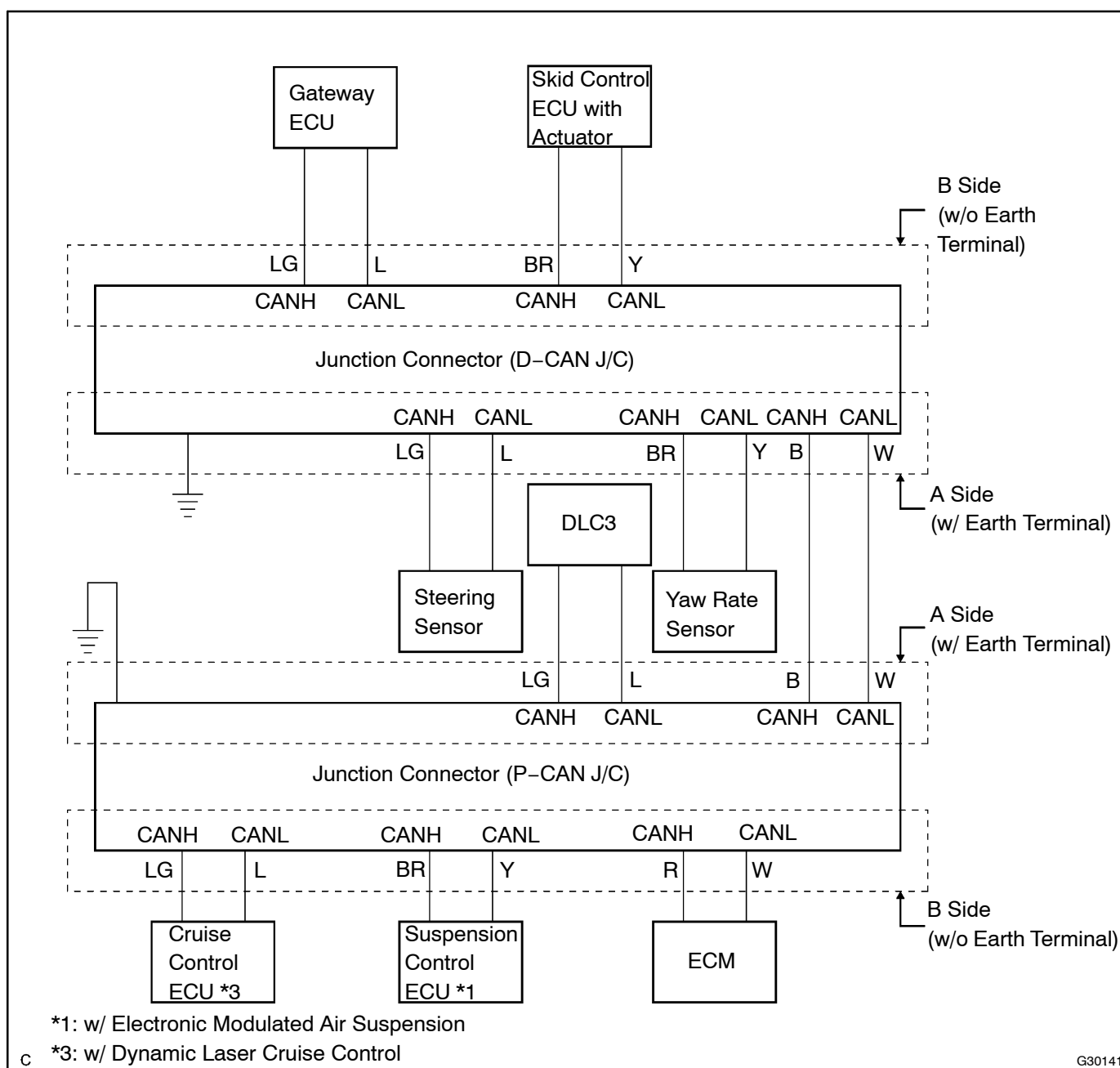
(d) The terminals on connectors for the CAN J/C.

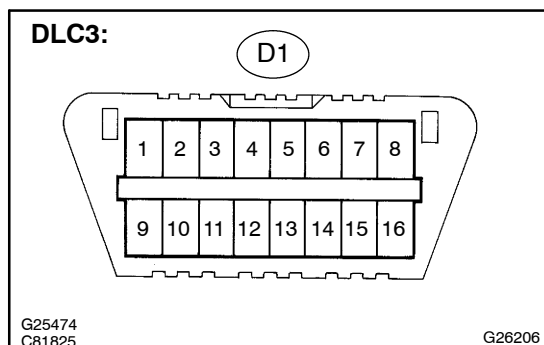
Terminal	Terminal symbol
1	CANH
2	CANL

(e) WIRING DIAGRAM FOR IDENTIFYING CAN J/C CONNECTORS
(w/ LEXUS Navigation System), RHD.



- (f) WIRING DIAGRAM FOR IDENTIFYING CAN J/C CONNECTORS
(w/o LEXUS Navigation System), RHD.

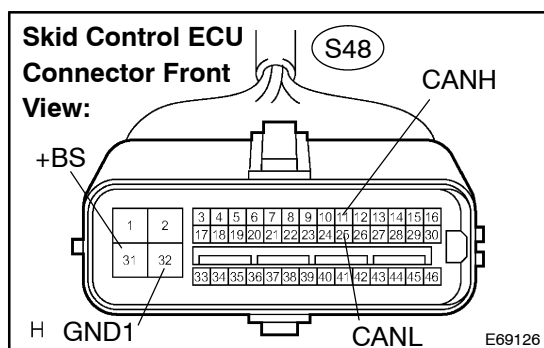


**3. DLC3**

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

Standard:

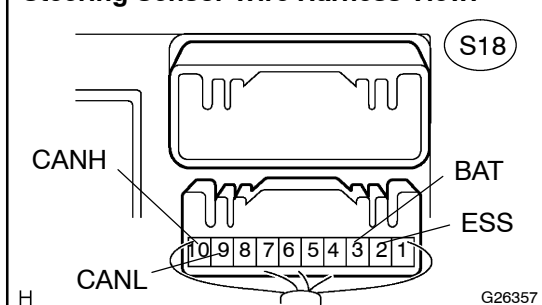
Terminals	Wiring Color (LHD)	Wiring Color (RHD)	Condition	Specified Condition
D1-6 (CANH) - D1-14 (CANL)	B - W	LG - L	Ignition switch OFF	54 to 69 Ω
D1-6 (CANH) - D1-4 (CG)	B - W-B	LG - W-B	Ignition switch OFF	1 k Ω or more
D1-14 (CANL) - D1-4 (CG)	W - W-B	L - W-B	Ignition switch OFF	1 k Ω or more
D1-6 (CANH) - D1-16 (BAT)	B - B	LG - B	Ignition switch OFF	1 M Ω or more
D1-14 (CANL) - D1-16 (BAT)	W - B	L - B	Ignition switch OFF	1 M Ω or more

**4. SKID CONTROL ECU**

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

Standard:

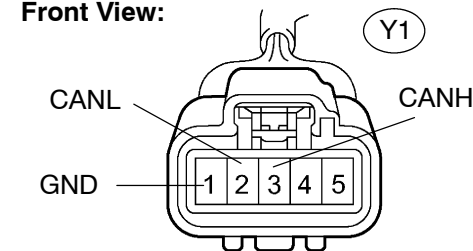
Terminals	Wiring Color	Condition	Specified Condition
S48-11 (CANH) - S48-25 (CANL)	BR - Y	Ignition switch OFF	54 to 69 Ω
S48-11 (CANH) - S48-32 (GND1)	BR - W-B	Ignition switch OFF	1 k Ω or more
S48-25 (CANL) - S48-32 (GND1)	Y - W-B	Ignition switch OFF	1 k Ω or more
S48-11 (CANH) - S48-31 (+BS)	BR - B	Ignition switch OFF	1 M Ω or more
S48-25 (CANL) - S48-31 (+BS)	Y - B	Ignition switch OFF	1 M Ω or more

Steering Sensor Wire Harness View:**5. STEERING SENSOR**

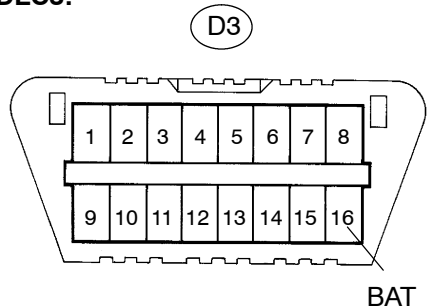
- (a) Measure the resistance according to the value(s) in the table below.

Standard:

Terminals	Wiring Color	Condition	Specified Condition
S18-10 (CANH) - S18-9 (CANL)	LG - L	Ignition switch OFF	54 to 69 Ω
S18-10 (CANH) - S18-2 (ESS)	LG - W-B	Ignition switch OFF	1 k Ω or more
S18-9 (CANL) - S18-2 (ESS)	L - W-B	Ignition switch OFF	1 k Ω or more
S18-10 (CANH) - S18-3 (BAT)	LG - L-Y	Ignition switch OFF	1 M Ω or more
S18-9 (CANL) - S18-3 (BAT)	L - L-Y	Ignition switch OFF	1 M Ω or more

Yaw Rate Sensor Connector Front View:

H

DLC3:G26359
G26206

G26641

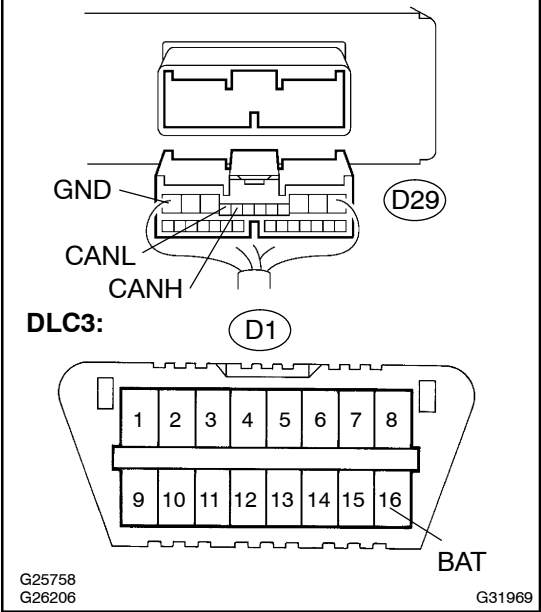
6. YAW RATE SENSOR

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
Y1-3 (CANH) - Y1-2 (CANL)	BR - Y	Ignition switch OFF	54 to 69 Ω
Y1-3 (CANH) - Y1-1 (GND)	BR - W-B	Ignition switch OFF	1 k Ω or more
Y1-2 (CANL) - Y1-1 (GND)	Y - W-B	Ignition switch OFF	1 k Ω or more
Y1-3 (CANH) - D1-16 (BAT)	BR - B	Ignition switch OFF	1 M Ω or more
Y1-2 (CANL) - D1-16 (BAT)	Y - B	Ignition switch OFF	1 M Ω or more

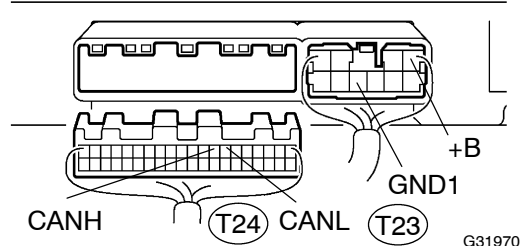
Cruise Control ECU Wire Harness View:



Standard:

Terminals	Wiring Color	Condition	Specified Condition
D29-8 (CANH) – D29-9 (CANL)	LG – L	Ignition switch OFF	54 to 69 Ω
D29-8 (CANH) – D29-12 (GND)	LG – BR	Ignition switch OFF	1 kΩ or more
D29-9 (CANL) – D29-12 (GND)	L – BR	Ignition switch OFF	1 kΩ or more
D29-8 (CANH) – D1-16 (BAT)	LG – B	Ignition switch OFF	1 MΩ or more
D29-9 (CANL) – D1-16 (BAT)	L – B	Ignition switch OFF	1 MΩ or more

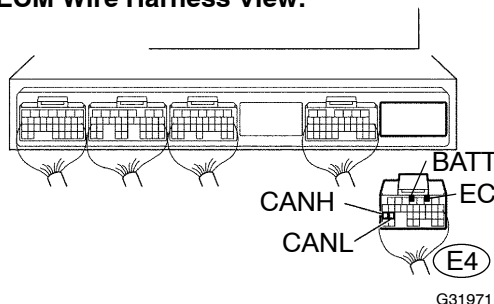
7. **CRUISE CONTROL ECU**
- (a) Measure the resistance according to the value(s) in the table below.

Television Camera ECU**Wire Harness View:****8. TELEVISION CAMERA ECU**

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

Standard:

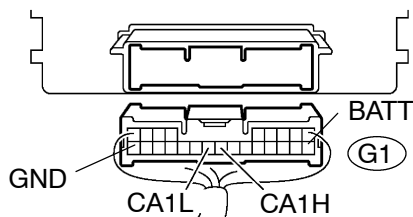
Terminals	Wiring Color (LHD)	Wiring Color (RHD)	Condition	Specified Condition
T24-8 (CANH) - T24-7 (CANL)	LG - L	LG - L	Ignition switch OFF	54 to 69 Ω
T24-8 (CANH) - T23-8 (GND1)	LG - W-B	LG - W-B	Ignition switch OFF	1 k Ω or more
T24-7 (CANL) - T23-8 (GND1)	L - W-B	L - W-B	Ignition switch OFF	1 k Ω or more
T24-8 (CANH) - T23-1 (+B)	LG - R	LG - BR	Ignition switch OFF	1 M Ω or more
T24-7 (CANL) - T23-1 (+B)	L - R	L - BR	Ignition switch OFF	1 M Ω or more

ECM Wire Harness View:**9. ECM**

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
E4-25 (CANH) - E4-24 (CANL)	R - W	Ignition switch OFF	54 to 69 Ω
E4-25 (CANH) - E4-2 (EC)	R - W-B	Ignition switch OFF	1 k Ω or more
E4-24 (CANL) - E4-2 (EC)	W - W-B	Ignition switch OFF	1 k Ω or more
E4-25 (CANH) - E4-4 (BATT)	R - B-R	Ignition switch OFF	1 M Ω or more
E4-24 (CANL) - E4-4 (BATT)	W - B-R	Ignition switch OFF	1 M Ω or more

Gateway ECU Wire Harness View:

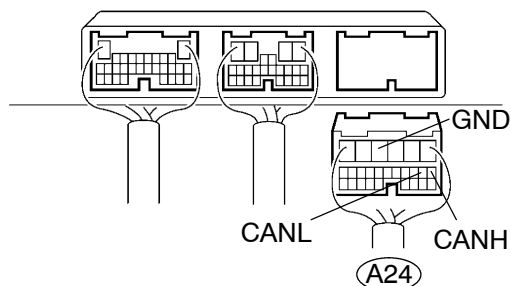
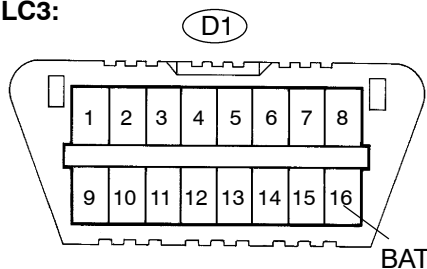
G31972

10. GATEWAY ECU

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
G1-17 (CA1H) – G1-18 (CA1L)	LG – L	Ignition switch OFF	54 to 69 Ω
G1-17 (CA1H) – G1-24 (GND)	LG – W-B	Ignition switch OFF	1 k Ω or more
G1-18 (CA1L) – G1-24 (GND)	L – W-B	Ignition switch OFF	1 k Ω or more
G1-17 (CA1H) – G1-10 (BATT)	LG – L-Y	Ignition switch OFF	1 M Ω or more
G1-18 (CA1L) – G1-10 (BATT)	L – L-Y	Ignition switch OFF	1 M Ω or more

Suspension Control ECU Wire Harness View:**DLC3:**G28994
G26206

G31973

11. SUSPENSION CONTROL ECU

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
A24-7 (CANH) – A24-8 (CANL)	BR – Y	Ignition switch OFF	54 to 69 Ω
A24-7 (CANH) – A24-4 (GND)	BR – W-B	Ignition switch OFF	1 k Ω or more
A24-8 (CANL) – A24-4 (GND)	Y – W-B	Ignition switch OFF	1 k Ω or more
A24-7 (CANH) – D1-16 (BAT)	BR – B	Ignition switch OFF	1 M Ω or more
A24-8 (CANL) – D1-16 (BAT)	Y – B	Ignition switch OFF	1 M Ω or more