for Preparation Click here

HINT:

Operating the engine switch, any switches or any doors triggers related ECU and sensor communication with the CAN, which causes resistance variation.

DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

a. Disconnect the cable from the negative (-) battery terminal before measuring the resistances of the main wire and the branch wire.

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system (Click here).

NOTICE:

- **Before measuring the resistance, leave the vehicle for at least 1 minute and do not operate the engine switch, any switches or any doors. If doors need to be opened in order to check connectors, open the doors and leave them open.**
- **w/ Navigation System (for HDD):**
  After the engine switch is turned off, the display and navigation module display (HDD navigation system) records various types of memory and settings. As a result, after turning the engine switch off, be sure to wait for the time specified in the following table before disconnecting the cable from the negative (-) battery terminal.

Waiting Time before Disconnecting Cable from Negative (-) Battery Terminal:

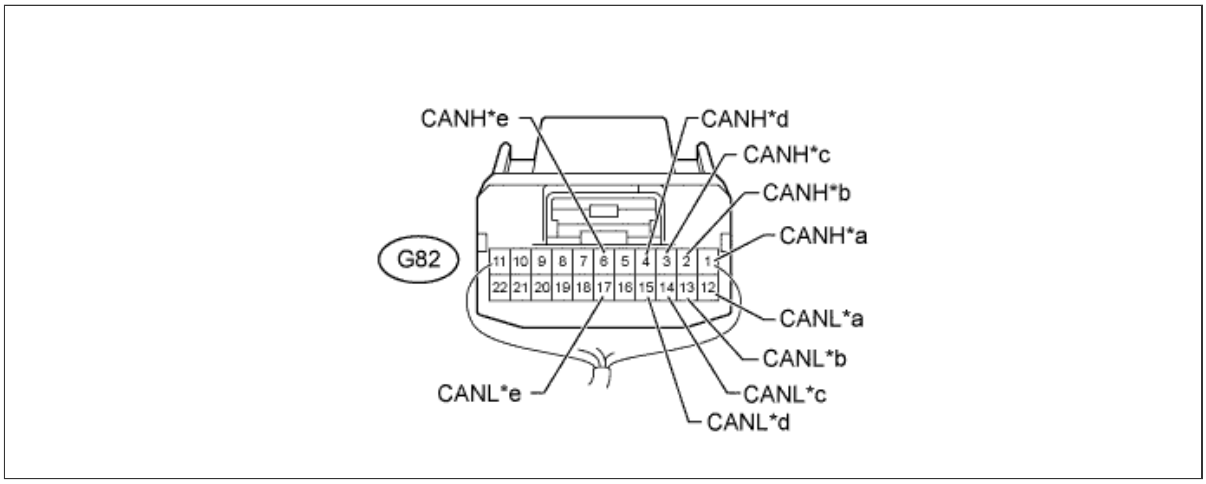
Condition	Waiting Time
Vehicle enrolled in G-BOOK system	6 minutes
Vehicle not enrolled in G-BOOK system	1 minute

- **When disconnecting the cable, some systems need to be initialized after the cable is reconnected (Click here).**

JUNCTION CONNECTOR

a. NO. 1 JUNCTION CONNECTOR

i. G82 No. 1 junction connector

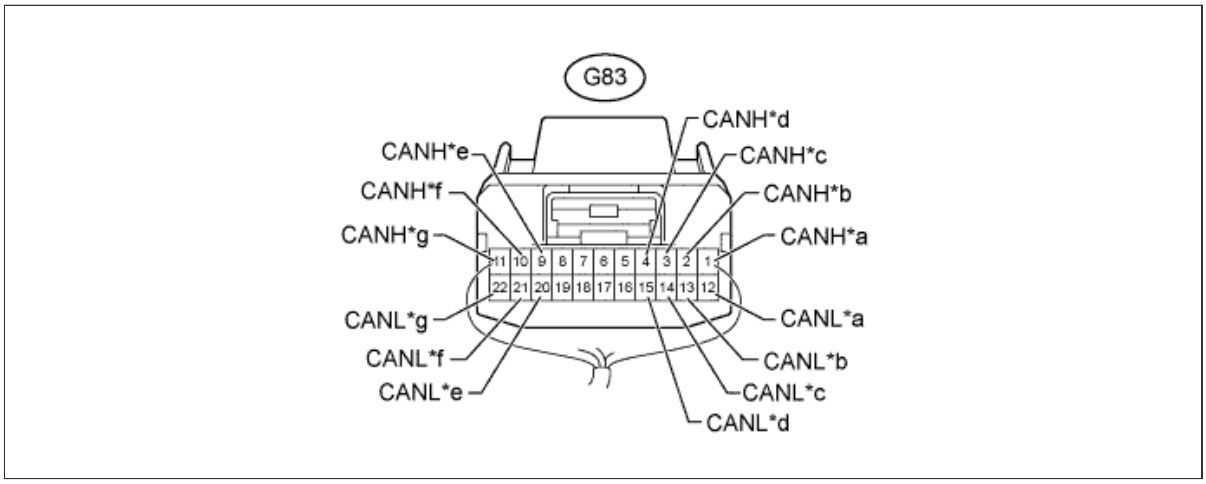


Text in Illustration

*a	for No. 2 Junction Connector	*b	for Four Wheel Drive Control ECU
*c	for Certification ECU	*d	for Power Management Control ECU (V1 Bus)
*e	for ECM (V1 Bus)	-	-

No. 1 Junction Connector	Wiring Color	Connect to
G82-1 (CANH)	GR	No. 2 junction connector
G82-12 (CANL)	W	
G82-2 (CANH)	G	Four wheel drive control ECU
G82-13 (CANL)	W	
G82-3 (CANH)	P	Certification ECU
G82-14 (CANL)	W	
G82-4 (CANH)	BR	Power management control ECU (V1 bus)
G82-15 (CANL)	W	
G82-6 (CANH)	R	ECM (V1 bus)
G82-17 (CANL)	W	

ii. G83 No. 1 junction connector



Text in Illustration

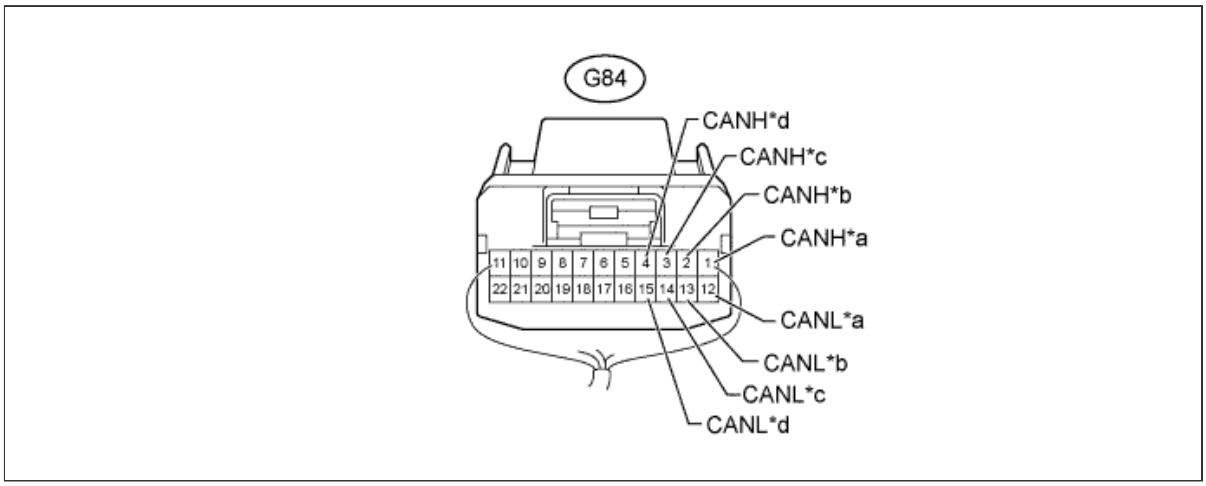
*a	for No. 3 Junction Connector (V2 Bus)	*b	for Power Management Control ECU (V2 Bus)
*c	for Parking Assist ECU (w/ LEXUS Parking Assist-sensor System [w/ Parking Assist System and/or Side Monitor System]) for Clearance Warning ECU Assembly (w/ LEXUS Parking Assist-sensor System [w/o Parking Assist System and/or Side Monitor System])	*d	for Driving Support ECU Assembly (w/ Pre-crash Safety System) (V2 Bus)
*e	for ECM (Power Management Bus)	*f	for Air Conditioning Amplifier Assembly
*g	for Power Management Control ECU (Power Management Bus)	-	-

No. 1 Junction Connector	Wiring Color	Connect to
G83-1 (CANH)	P	No. 3 junction connector (V2 bus)
G83-12 (CANL)	W	
G83-2 (CANH)	V	Power management control ECU (V2 bus)
G83-13 (CANL)	W	
G83-3 (CANH)	B	Parking assist ECU*1 or clearance warning ECU assembly*2
G83-14 (CANL)	W	
G83-4 (CANH)	G	Driving support ECU assembly*3 (V2 bus)
G83-15 (CANL)	W	
G83-9 (CANH)	BR	ECM (power management bus)
G83-20 (CANL)	GR	
G83-10 (CANH)	BR	Air conditioning amplifier assembly
G83-21 (CANL)	Y	
G83-11 (CANH)	BR	Power management control ECU (power
G83-22 (CANL)	W	

		management bus) (V2 Bus)

*1: w/ LEXUS Parking Assist-sensor System (w/ Parking Assist System and/or Side Monitor System)
*2: w/ LEXUS Parking Assist-sensor System (w/o Parking Assist System and/or Side Monitor System)
*3: w/ Pre-crash Safety System

iii. G84 No. 1 junction connector

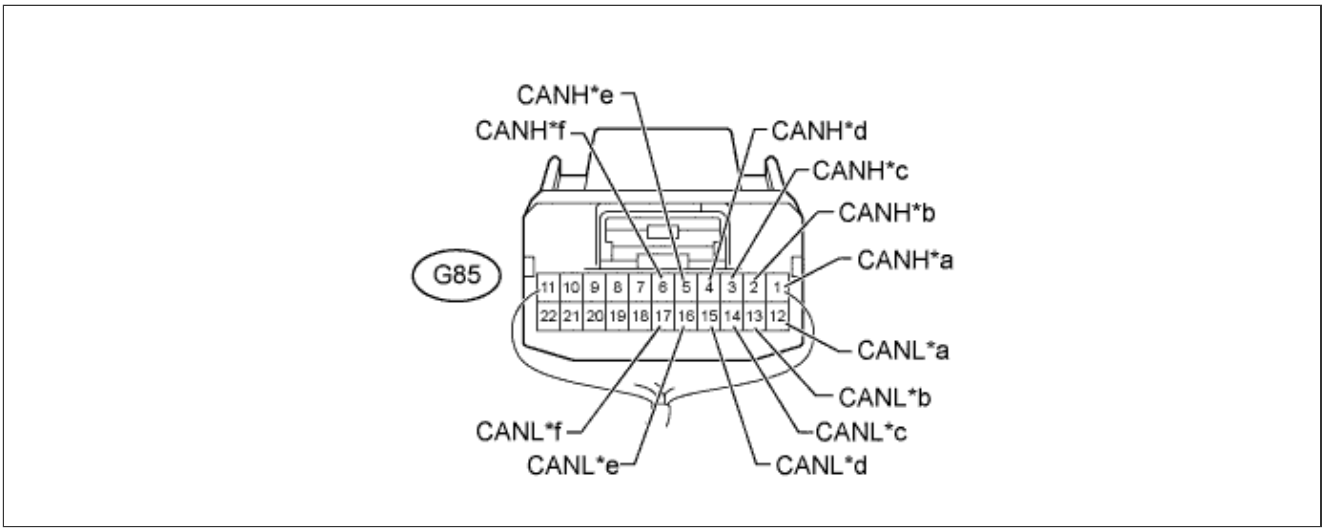


Text in Illustration

*a	for Outer Mirror Control ECU Assembly RH	*b	for Driving Support Switch Control ECU
*c	for No. 6 Junction Connector	*d	for No. 3 Junction Connector (MS Bus)

No. 1 Junction Connector	Wiring Color	Connect to
G84-1 (CANH)	G	Outer mirror control ECU assembly RH
G84-12 (CANL)	W	
G84-2 (CANH)	R	Driving support switch control ECU
G84-13 (CANL)	W	
G84-3 (CANH)	LG	No. 6 junction connector
G84-14 (CANL)	W	
G84-4 (CANH)	V	No. 3 junction connector (MS bus)
G84-15 (CANL)	W	

b. NO. 2 JUNCTION CONNECTOR



Text in Illustration

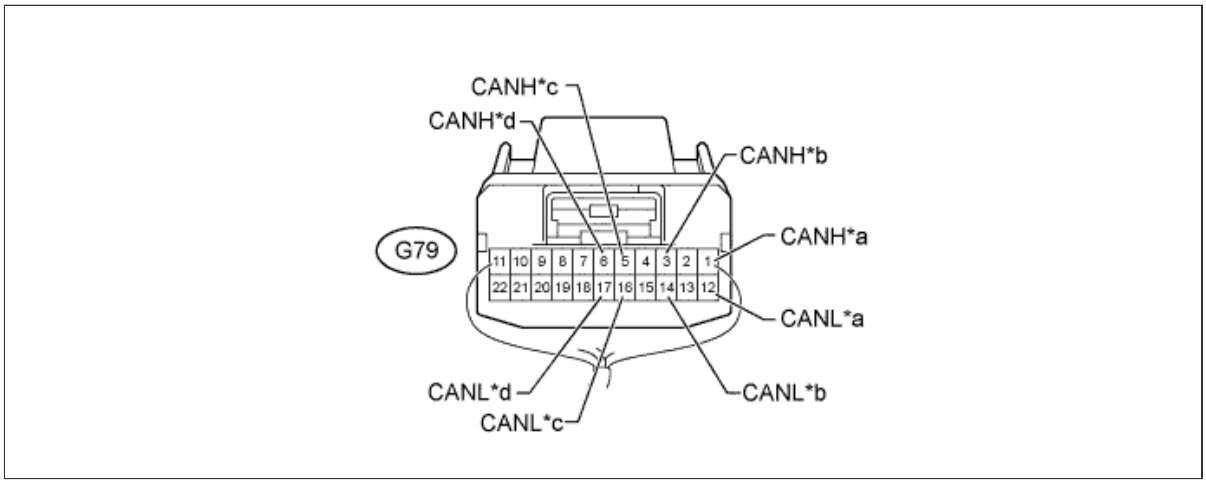
*a	for No. 1 Junction Connector (V1 Bus)	*b	for Display and Navigation Module Display (w/ Navigation System)
*c	for Spiral with Sensor Cable Sub-assembly	*d	for Yaw Rate Sensor Assembly
*e	for Center Airbag Sensor Assembly	*f	for No. 3 Junction Connector (V1 Bus)

No. 2 Junction Connector	Wiring Color	Connect to
G85-1 (CANH)	GR	No. 1 junction connector (V1 bus)
G85-12 (CANL)	W	
G85-2 (CANH)	P	Display and navigation module display*
G85-13 (CANL)	W	
G85-3 (CANH)	G	Spiral with sensor cable sub-assembly
G85-14 (CANL)	W	
G85-4 (CANH)	R	Yaw rate sensor assembly
G85-15 (CANL)	W	
G85-5 (CANH)	Y	Center airbag sensor assembly
G85-16 (CANL)	W	
G85-6 (CANH)	LG	No. 3 junction connector (V1 bus)
G85-17 (CANL)	W	

*: w/ Navigation System

c. NO. 3 JUNCTION CONNECTOR

i. G79 No. 3 junction connector

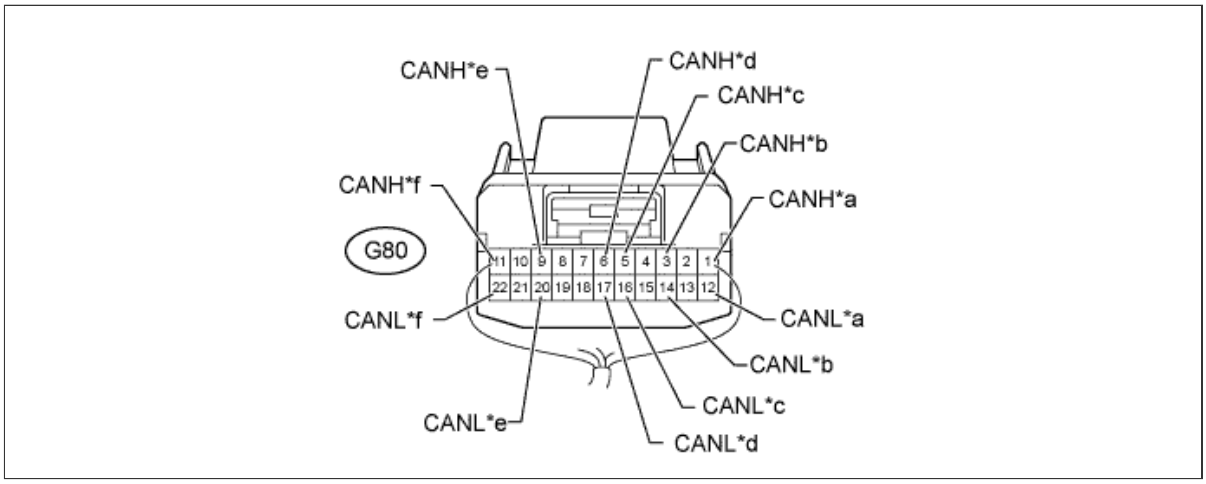


Text in Illustration

*a	for No. 2 Junction Connector	*b	for Main Body ECU (Multiplex Network Body ECU) (V1 Bus)
*c	for DLC3	*d	for No. 4 Junction Connector (V1 Bus)

No. 3 Junction Connector	Wiring Color	Connect to
G79-1 (CANH)	LG	No. 2 junction connector
G79-12 (CANL)	W	
G79-3 (CANH)	L	Main body ECU (multiplex network body ECU) (V1 bus)
G79-14 (CANL)	W	
G79-5 (CANH)	R	DLC3
G79-16 (CANL)	W	
G79-6 (CANH)	B	No. 4 junction connector (V1 Bus)
G79-17 (CANL)	W	

ii. G80 No. 3 junction connector



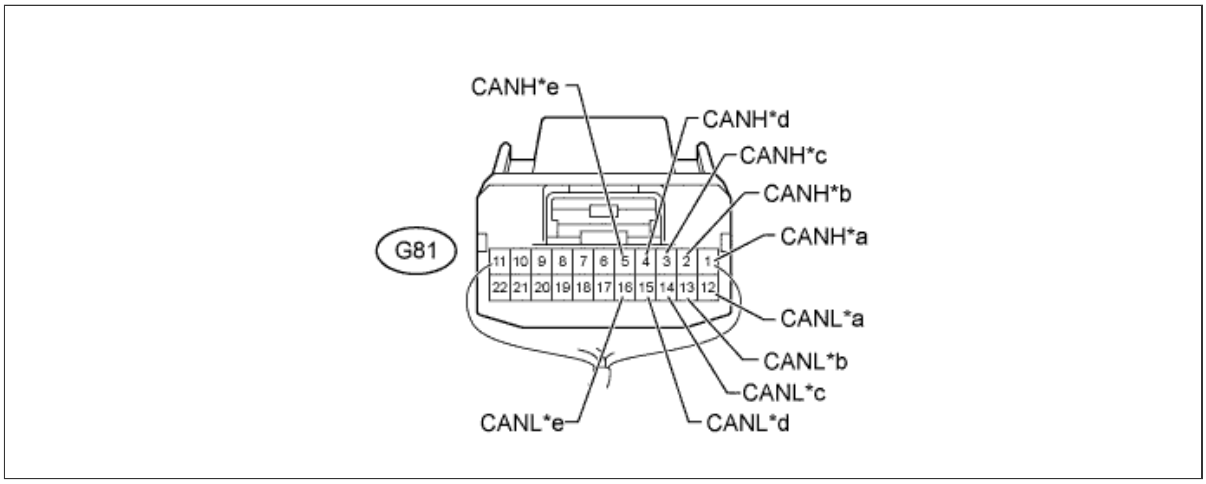
Text in Illustration

*a	for No. 1 Junction Connector (V2 Bus)	*b	for No. 4 Junction Connector (V2 Bus)
*c	for Stabilizer Control ECU	*d	for Seat Belt Control ECU (w/ Pre-crash Safety System)
*e	for Driving Support ECU Assembly (w/ Pre-crash Safety System) (Sensor Bus)	*f	for Millimeter Wave Radar Sensor Assembly (w/ Pre-crash Safety System)

No. 3 Junction Connector	Wiring Color	Connect to
G80-1 (CANH)	P	No. 1 junction connector (V2 bus)
G80-12 (CANL)	W	
G80-3 (CANH)	B	No. 4 junction connector (V2 Bus)
G80-14 (CANL)	W	
G80-5 (CANH)	V	Stabilizer control ECU
G80-16 (CANL)	W	
G80-6 (CANH)	L	Seat belt control ECU*
G80-17 (CANL)	W	
G80-9 (CANH)	L	Driving support ECU assembly (sensor bus)*
G80-20 (CANL)	W	
G80-11 (CANH)	LG	Millimeter wave radar sensor assembly*
G80-22 (CANL)	W	

*: w/ Pre-crash Safety System

iii. G81 No. 3 junction connector

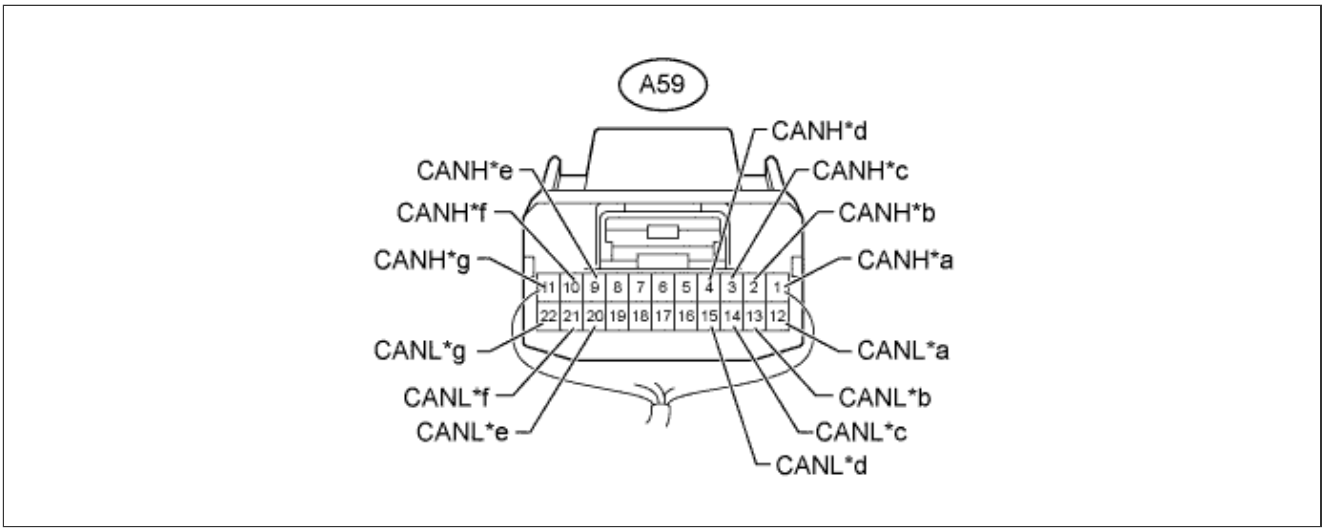


Text in Illustration

*a	for Outer Mirror Control ECU Assembly LH	*b	for Front Power Seat Switch LH
*c	for Multiplex Tilt and Telescopic ECU	*d	for Main Body ECU (Multiplex Network Body ECU) (MS Bus)
*e	for No. 1 Junction Connector (MS Bus)	-	-

No. 3 Junction Connector	Wiring Color	Connect to
G81-1 (CANH)	B	Outer mirror control ECU assembly LH
G81-12 (CANL)	W	
G81-2 (CANH)	L	Front power seat switch LH
G81-13 (CANL)	W	
G81-3 (CANH)	GR	Multiplex tilt and telescopic ECU
G81-14 (CANL)	W	
G81-4 (CANH)	P	Main body ECU (multiplex network body ECU) (MS bus)
G81-15 (CANL)	W	
G81-5 (CANH)	V	No. 1 junction connector (MS bus)
G81-16 (CANL)	W	

d. NO. 4 JUNCTION CONNECTOR



Text in Illustration

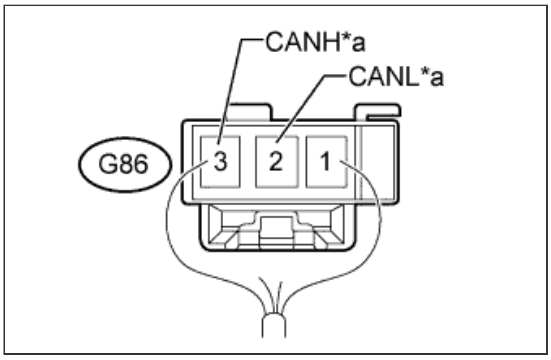
*a	for No. 5 Junction Connector	*b	for No. 3 Junction Connector (V2 Bus)
*c	for Suspension Control ECU	*d	for Headlight Swivel ECU Assembly (AFS ECU)
*e	for No. 3 Junction Connector (V1 Bus)	*f	for Combination Meter Assembly
*g	for Master Cylinder Solenoid (Skid Control ECU)	-	-

No. 4 Junction Connector	Wiring Color	Connect to
A59-1 (CANH)	LG	No. 5 junction connector
A59-12 (CANL)	W	
A59-2 (CANH)	B	No. 3 junction connector (V2 bus)
A59-13 (CANL)	W	
A59-3 (CANH)	GR	Suspension control ECU
A59-14 (CANL)	W	
A59-4 (CANH)	V	Headlight swivel ECU assembly (AFS ECU)
A59-15 (CANL)	W	
A59-9 (CANH)	R	No. 3 junction connector (V1 bus)
A59-20 (CANL)	W	
A59-10 (CANH)	LG	Combination meter assembly
A59-21 (CANL)	W	
A59-11 (CANH)	B	Master cylinder solenoid (skid control ECU)
A59-22 (CANL)	W	

e. NO. 5 JUNCTION CONNECTOR

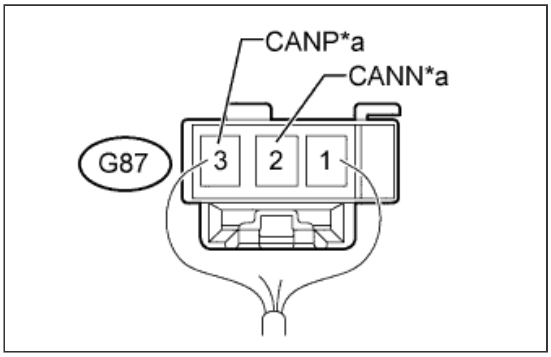
Text in Illustration

*a	for No. 4 Junction Connector (V2 Bus)



No. 5 Junction Connector	Wiring Color	Connect to
G86-2 (CANL)	W	No. 4 junction connector (V2 bus)
G86-3 (CANH)	LG	

f. NO. 6 JUNCTION CONNECTOR



Text in Illustration

*a	for No. 1 Junction Connector (MS Bus)

No. 6 Junction Connector	Wiring Color	Connect to
G87-2 (CANN)	W	No. 1 junction connector (MS bus)
G87-3 (CANP)	LG	

CHECK DLC3

a. Disconnect the cable from the negative (-) battery terminal before measuring the resistances of the main wire and the branch wire.

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

NOTICE:

- **w/ Navigation System (for HDD):**
  After the engine switch is turned off, the display and navigation module display (HDD navigation system) records various types of memory and settings. As a result, after turning the engine switch off, be sure to wait for the time specified in the following table before disconnecting the cable from the negative (-) battery terminal.

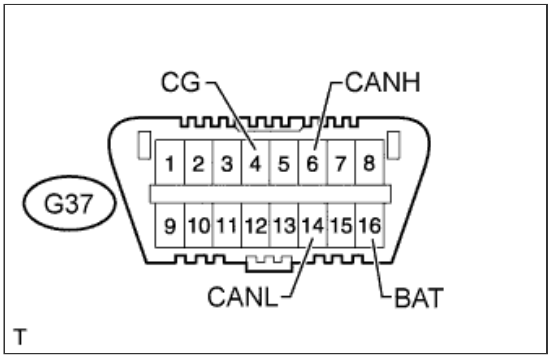
Waiting Time before Disconnecting Cable from Negative (-) Battery Terminal:

Condition	Waiting Time

Vehicle enrolled in G-BOOK system	6 minutes
Vehicle not enrolled in G-BOOK system	1 minute

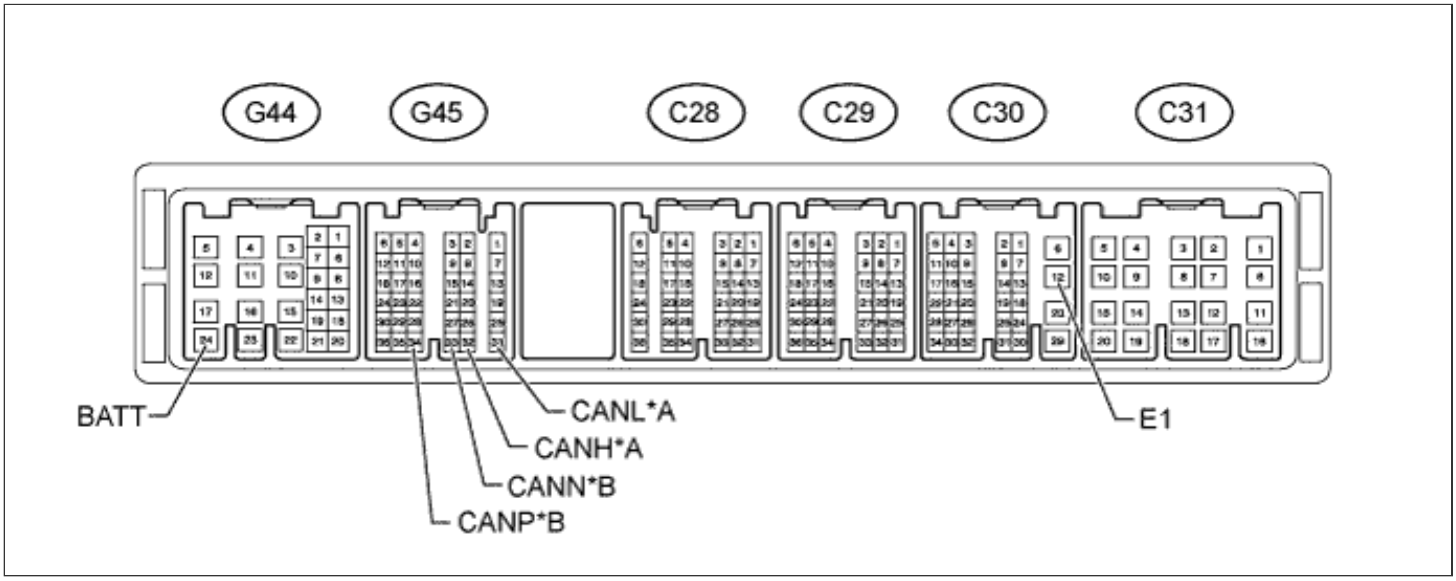
- **When disconnecting the cable, some systems need to be initialized after the cable is reconnected (Click here).**

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



Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G37-6 (CANH) - G37-14 (CANL)	R - W	Engine switch off	54 to 69 Ω
G37-6 (CANH) - G37-4 (CG)	R - W-B	Engine switch off	200 Ω or higher
G37-14 (CANL) - G37-4 (CG)	W - W-B	Engine switch off	200 Ω or higher
G37-6 (CANH) - G37-16 (BAT)	R - GR	Engine switch off	6 kΩ or higher
G37-14 (CANL) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK ECM



Text in Illustration

*A	for V1 Bus	*B	for Power Management Bus

a. Disconnect the C30, G44 and G45 ECM connectors.

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

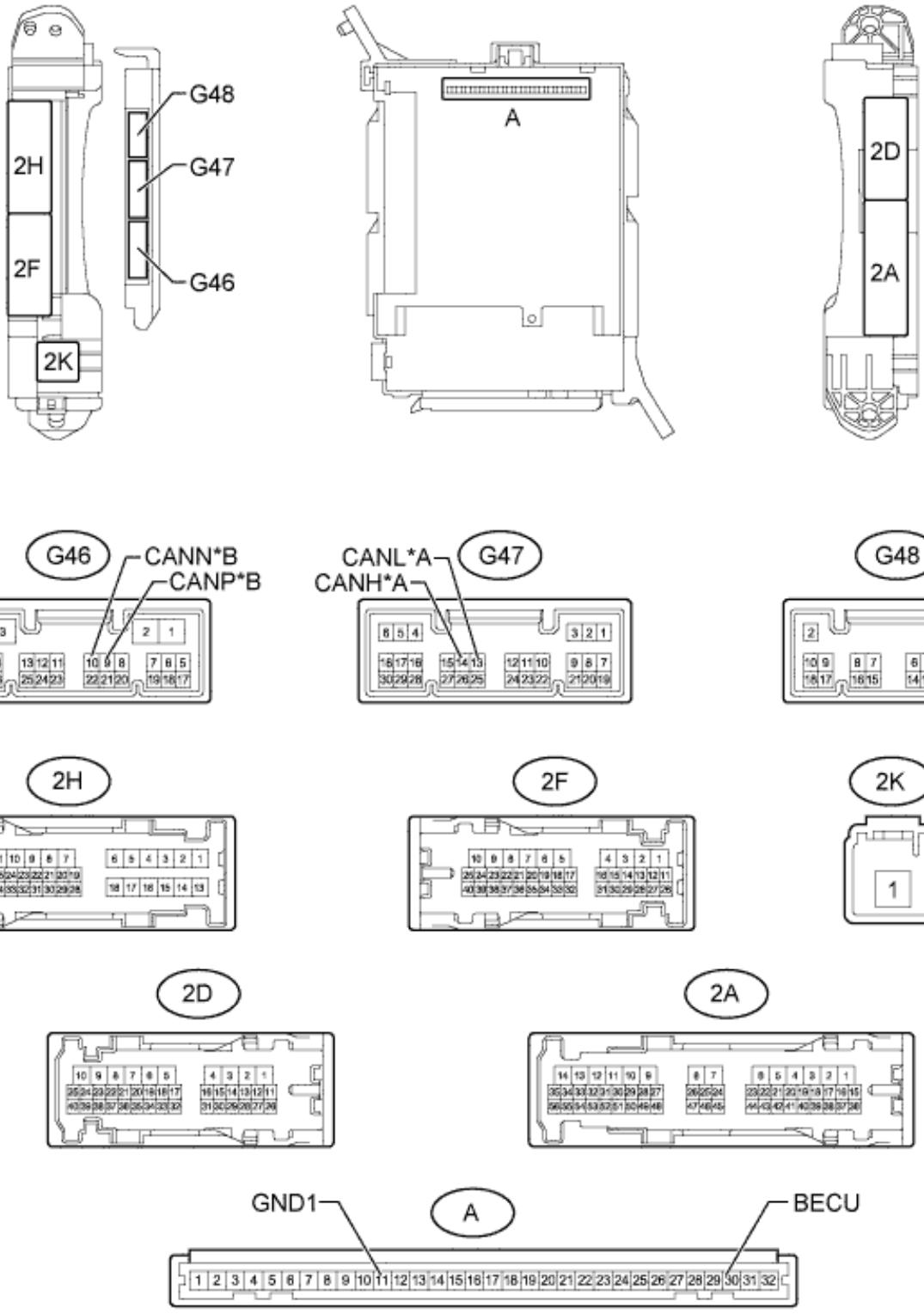
for V1 Bus

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G45-32 (CANH) - G45-31 (CANL)	R - W	Engine switch off	108 to 132 Ω
G45-32 (CANH) - C30-12 (E1)	R - BR	Engine switch off	200 Ω or higher
G45-31 (CANL) - C30-12 (E1)	W - BR	Engine switch off	200 Ω or higher
G45-32 (CANH) - G44-24 (BATT)	R - L	Engine switch off	6 kΩ or higher
G45-31 (CANL) - G44-24 (BATT)	W - L	Engine switch off	6 kΩ or higher

for Power Management Bus

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G45-34 (CANP) - G45-33 (CANN)	BR - GR	Engine switch off	108 to 132 Ω
G45-34 (CANP) - C30-12 (E1)	BR - BR	Engine switch off	200 Ω or higher
G45-33 (CANN) - C30-12 (E1)	GR - BR	Engine switch off	200 Ω or higher
G45-34 (CANP) - G44-24 (BATT)	BR - L	Engine switch off	6 kΩ or higher
G45-33 (CANN) - G44-24 (BATT)	GR - L	Engine switch off	6 kΩ or higher

CHECK DRIVER SIDE JUNCTION BLOCK ASSEMBLY AND MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)


G48
G47
G46
2H
2F
2K
A
2D
2A
G46
CANN*B
CANP*B
CANL*A
CANH*A
G47
G48
2H
2F
2K
1
2D
2A
GND1
A
BECU

Text in Illustration

*A	for V1 Bus	*B	for MS Bus

a. Remove the main body ECU (multiplex network body ECU) (Click here).

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

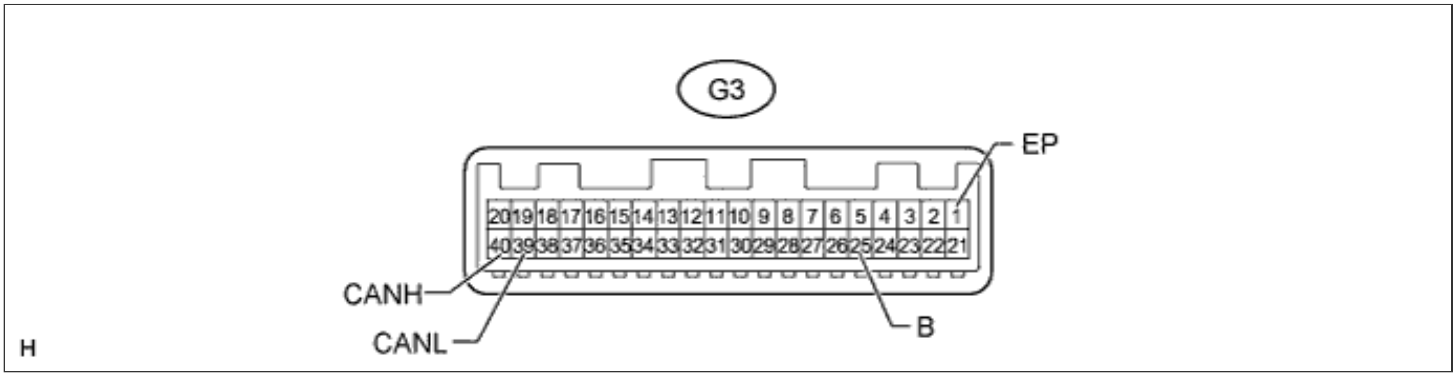
for V1 Bus

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G47-14 (CANH) - G47-13 (CANL)	L - W	Engine switch off	54 to 69 Ω
G47-14 (CANH) - A-11 (GND1)	L - None	Engine switch off	200 Ω or higher
G47-13 (CANL) - A-11 (GND1)	W - None	Engine switch off	200 Ω or higher
G47-14 (CANH) - A-30 (BECU)	L - None	Engine switch off	6 kΩ or higher
G47-13 (CANL) - A-30 (BECU)	W - None	Engine switch off	6 kΩ or higher

for MS Bus

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G46-9 (CANP) - G46-10 (CANN)	P - W	Engine switch off	108 to 132 Ω
G46-9 (CANP) - A-11 (GND1)	P - None	Engine switch off	200 Ω or higher
G46-10 (CANN) - A-11 (GND1)	W - None	Engine switch off	200 Ω or higher
G46-9 (CANP) - A-30 (BECU)	P - None	Engine switch off	6 kΩ or higher
G46-10 (CANN) - A-30 (BECU)	W - None	Engine switch off	6 kΩ or higher

CHECK COMBINATION METER ASSEMBLY

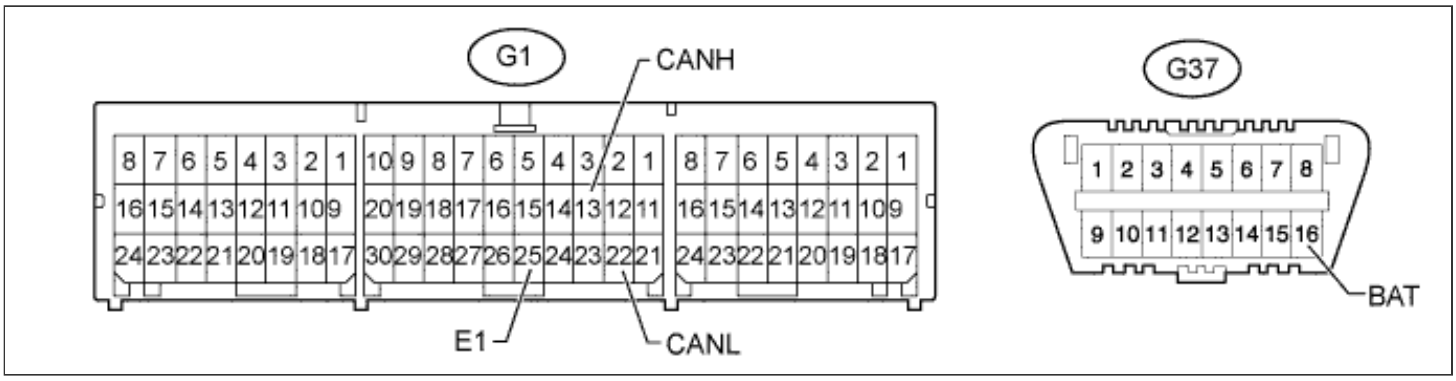


a. Disconnect the G3 combination meter assembly connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G3-40 (CANH) - G3-39 (CANL)	LG - W	Engine switch off	108 to 132 Ω
G3-40 (CANH) - G3-1 (EP)	LG - W-B	Engine switch off	200 Ω or higher
G3-39 (CANL) - G3-1 (EP)	W - W-B	Engine switch off	200 Ω or higher
G3-40 (CANH) - G3-25 (B)	LG - L	Engine switch off	6 kΩ or higher
G3-39 (CANL) - G3-25 (B)	W - L	Engine switch off	6 kΩ or higher

CHECK CENTER AIRBAG SENSOR ASSEMBLY

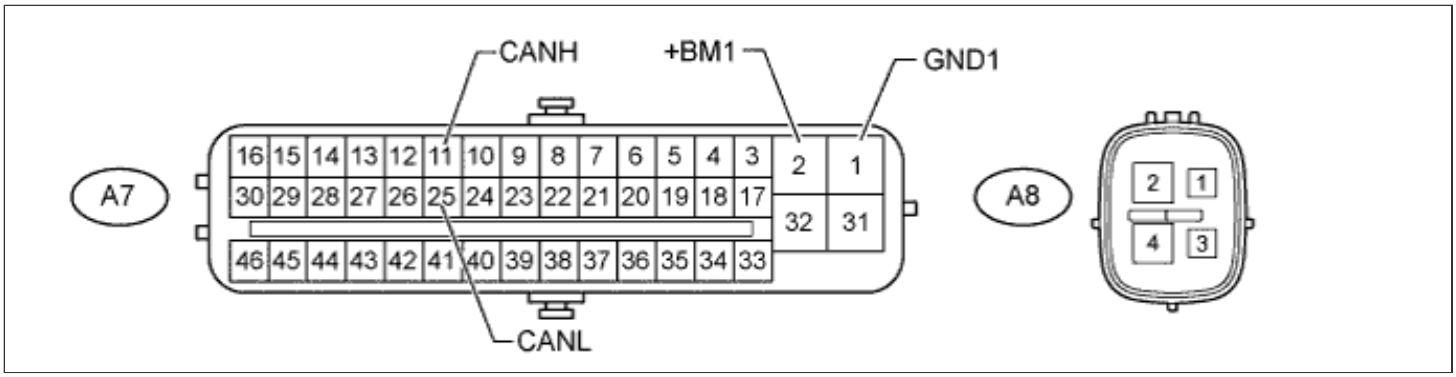


a. Disconnect the G1 center airbag sensor assembly connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G1-13 (CANH) - G1-22 (CANL)	Y - W	Engine switch off	54 to 69 Ω
G1-13 (CANH) - G1-25 (E1)	Y - W-B	Engine switch off	200 Ω or higher
G1-22 (CANL) - G1-25 (E1)	W - W-B	Engine switch off	200 Ω or higher
G1-13 (CANH) - G37-16 (BAT)	Y - GR	Engine switch off	6 kΩ or higher
G1-22 (CANL) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK MASTER CYLINDER SOLENOID (SKID CONTROL ECU)



a. Disconnect the A7 master cylinder solenoid (skid control ECU) connector.

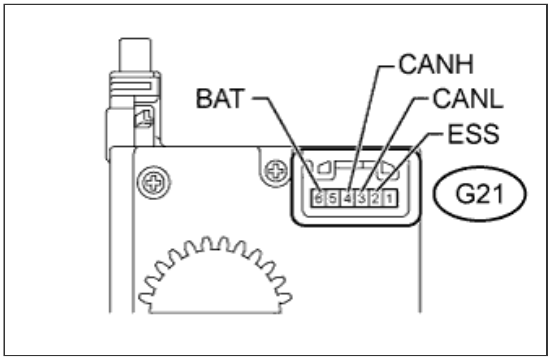
b. Measure the resistance according to the value(s) in the table below.

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
A7-11 (CANH) - A7-25 (CANL)	B - W	Engine switch off	54 to 69 Ω
A7-11 (CANH) - A7-1 (GND1)	B - W-B	Engine switch off	200 Ω or higher
A7-25 (CANL) - A7-1 (GND1)	W - W-B	Engine switch off	200 Ω or higher
A7-11 (CANH) - A7-2 (+BM1)	B - B	Engine switch off	6 kΩ or higher
A7-25 (CANL) - A7-2 (+BM1)	W - B	Engine switch off	6 kΩ or higher

CHECK SPIRAL WITH SENSOR CABLE SUB-ASSEMBLY

a. Disconnect the G21 spiral with sensor cable sub-assembly connector.

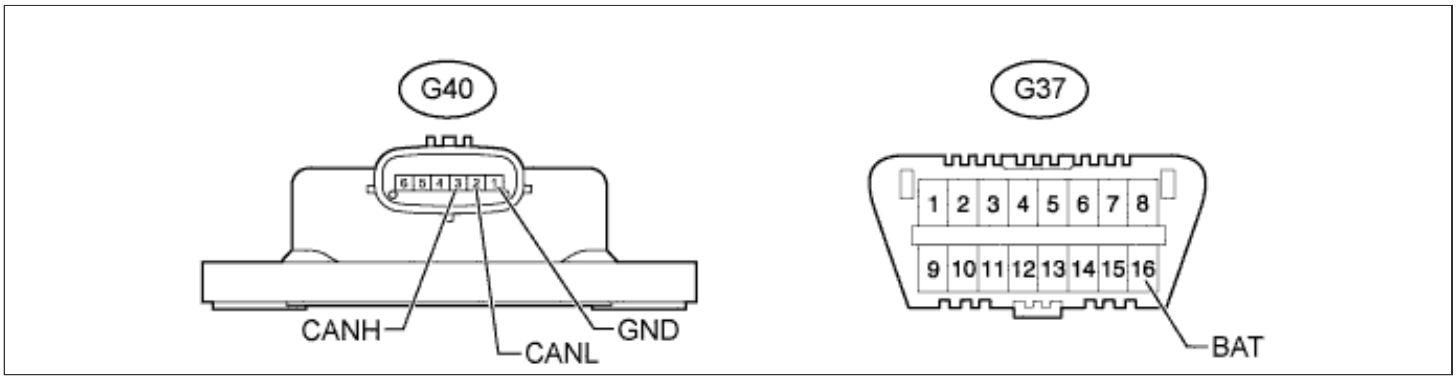
b. Measure the resistance according to the value(s) in the table below.



Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G21-4 (CANH) - G21-3 (CANL)	G - W	Engine switch off	54 to 69 Ω
G21-4 (CANH) - G21-2 (ESS)	G - W-B	Engine switch off	200 Ω or higher
G21-3 (CANL) - G21-2 (ESS)	W - W-B	Engine switch off	200 Ω or higher
G21-4 (CANH) - G21-	G - L	Engine switch off	6 kΩ or higher

6 (BAT)			
G21-3 (CANL) - G21-6 (BAT)	W - L	Engine switch off	6 kΩ or higher

CHECK YAW RATE SENSOR ASSEMBLY

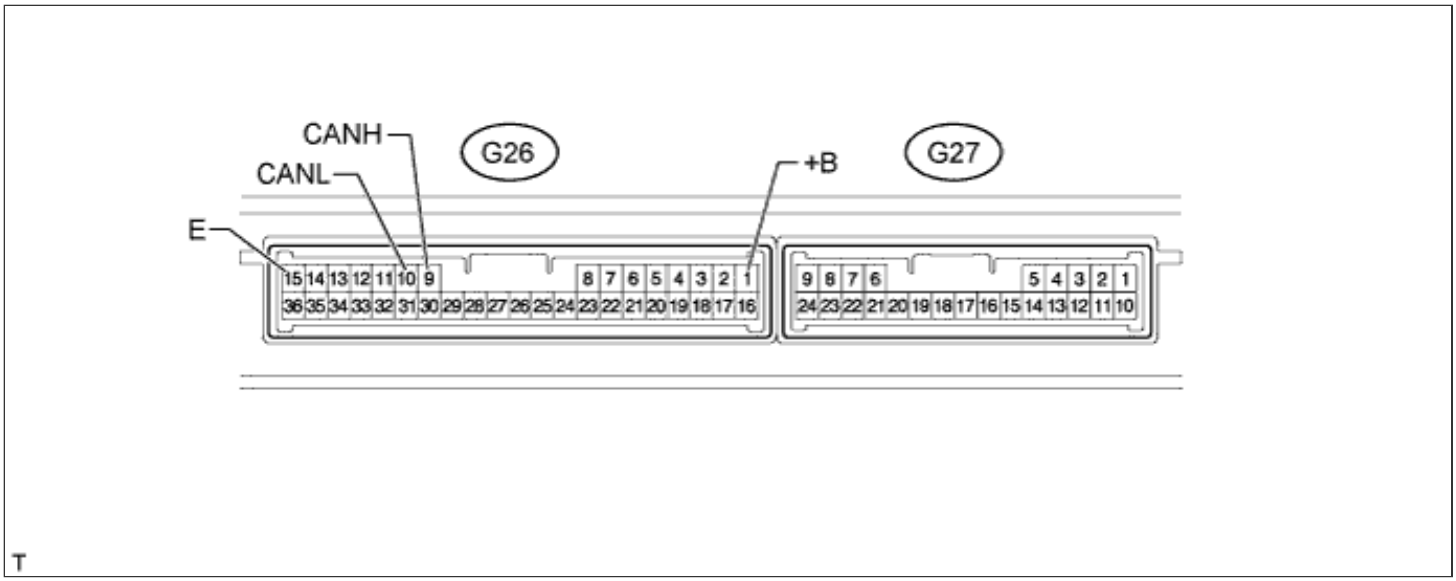


a. Disconnect the G40 yaw rate sensor assembly connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G40-3 (CANH) - G40-2 (CANL)	R - W	Engine switch off	54 to 69 Ω
G40-3 (CANH) - G40-1 (GND)	R - W-B	Engine switch off	200 Ω or higher
G40-2 (CANL) - G40-1 (GND)	W - W-B	Engine switch off	200 Ω or higher
G40-3 (CANH) - G37-16 (BAT)	R - GR	Engine switch off	6 kΩ or higher
G40-2 (CANL) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK CERTIFICATION ECU

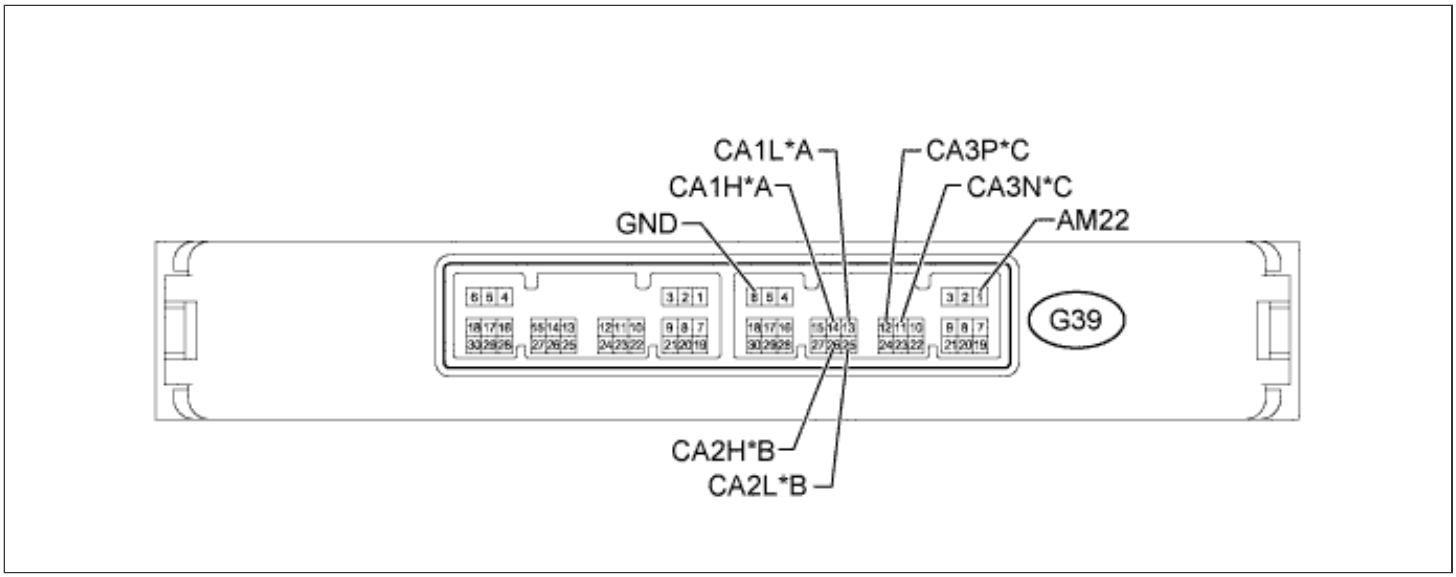


a. Disconnect the G26 certification ECU connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G26-9 (CANH) - G26-10 (CANL)	P - W	Engine switch off	54 to 69 Ω
G26-9 (CANH) - G26-15 (E)	P - W-B	Engine switch off	200 Ω or higher
G26-10 (CANL) - G26-15 (E)	W - W-B	Engine switch off	200 Ω or higher
G26-9 (CANH) - G26-1 (+B)	P - V	Engine switch off	6 kΩ or higher
G26-10 (CANL) - G26-1 (+B)	W - V	Engine switch off	6 kΩ or higher

CHECK POWER MANAGEMENT CONTROL ECU



Text in Illustration

*A	for V1 Bus	*B	for V2 Bus
*C	for Power Management Bus	-	-

a. Disconnect the G39 power management control ECU connector.

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

for V1 Bus

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G39-14 (CA1H) - G39-13 (CA1L)	BR - W	Engine switch off	54 to 69 Ω
G39-14 (CA1H) - G39-6 (GND)	BR - W-B	Engine switch off	200 Ω or higher
G39-13 (CA1L) - G39-6 (GND)	W - W-B	Engine switch off	200 Ω or higher
G39-14 (CA1H) - G39-1 (AM22)	BR - B	Engine switch off	6 kΩ or higher
G39-13 (CA1L) - G39-1 (AM22)	W - B	Engine switch off	6 kΩ or higher

for V2 Bus

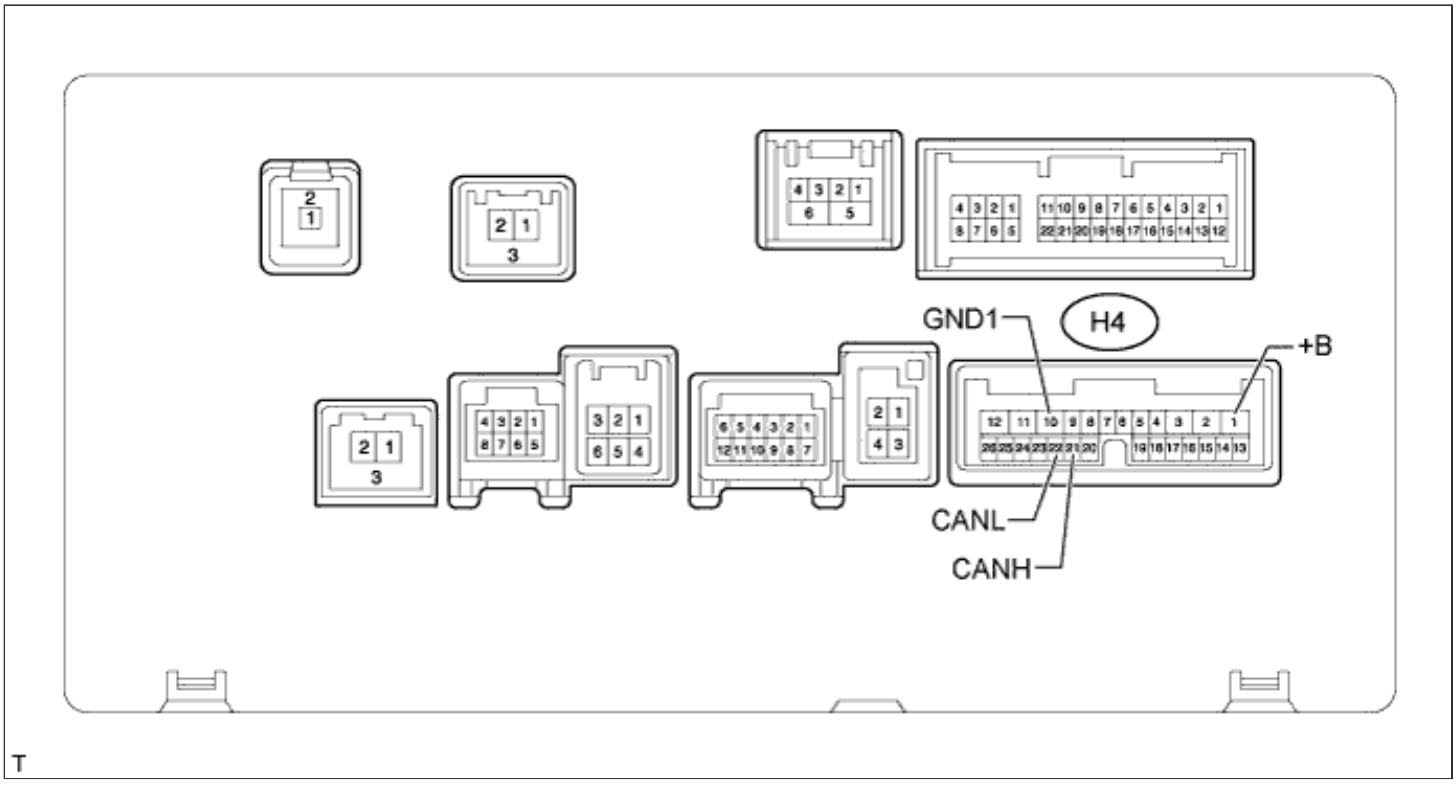
Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G39-26 (CA2H) - G39-25 (CA2L)	V - W	Engine switch off	108 to 132 Ω
G39-26 (CA2H) - G39-6 (GND)	V - W-B	Engine switch off	200 Ω or higher
G39-25 (CA2L) - G39-6 (GND)	W - W-B	Engine switch off	200 Ω or higher
G39-26 (CA2H) - G39-1 (AM22)	V - B	Engine switch off	6 kΩ or higher

G39-25 (CA2L) - G39-1 (AM22)	W - B	Engine switch off	6 kΩ or higher

for Power Management Bus

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G39-12 (CA3P) - G39-11 (CA3N)	BR - W	Engine switch off	108 to 132 Ω
G39-12 (CA3P) - G39-6 (GND)	BR - W-B	Engine switch off	200 Ω or higher
G39-11 (CA3N) - G39-6 (GND)	W - W-B	Engine switch off	200 Ω or higher
G39-12 (CA3P) - G39-1 (AM22)	BR - B	Engine switch off	6 kΩ or higher
G39-11 (CA3N) - G39-1 (AM22)	W - B	Engine switch off	6 kΩ or higher

CHECK DISPLAY AND NAVIGATION MODULE DISPLAY (w/ Navigation System)



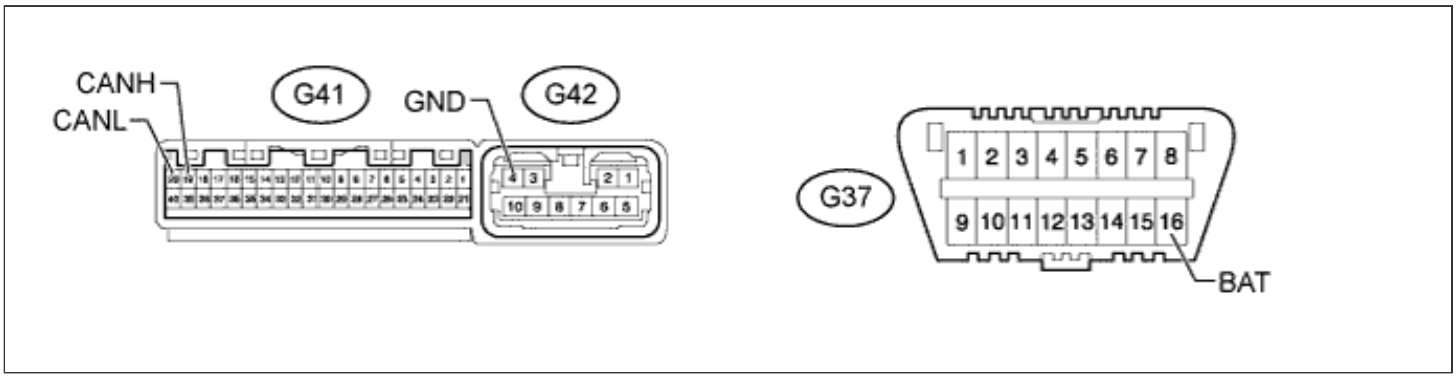
a. Disconnect the H4 display and navigation module display connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
H4-21 (CANH) - H4-22 (CANL)	W - P	Engine switch off	54 to 69 Ω
H4-21 (CANH) - H4-	W - BR	Engine switch off	200 Ω or higher

10 (GND1)			
H4-22 (CANL) - H4-10 (GND1)	P - BR	Engine switch off	200 Ω or higher
H4-21 (CANH) - H4-1 (+B1)	W - SB	Engine switch off	6 kΩ or higher
H4-22 (CANL) - H4-1 (+B1)	P - SB	Engine switch off	6 kΩ or higher

CHECK FOUR WHEEL DRIVE CONTROL ECU

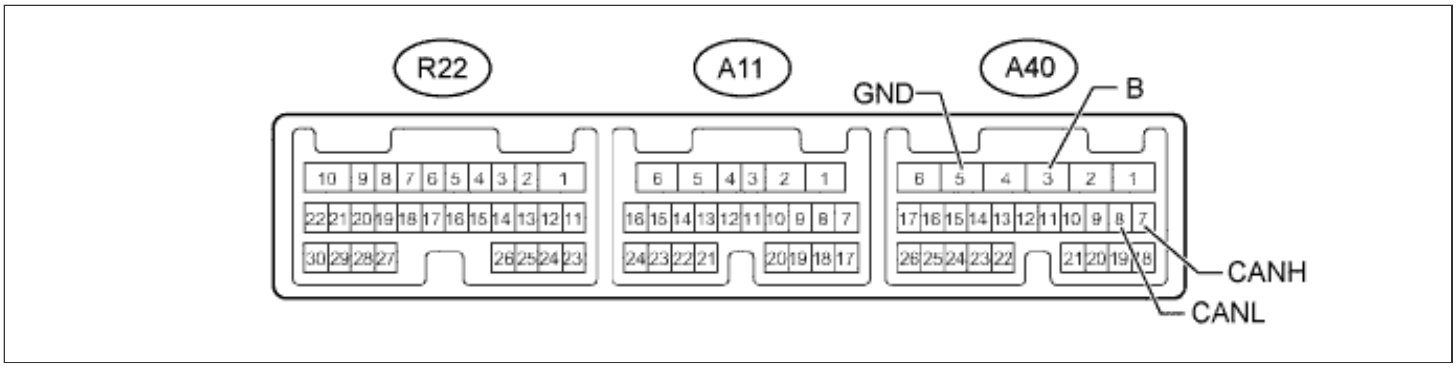


a. Disconnect the G41 and G42 four wheel drive control ECU connectors.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G41-19 (CANH) - G41-20 (CANL)	G - W	Engine switch off	54 to 69 Ω
G41-19 (CANH) - G42-4 (GND)	G - W-B	Engine switch off	200 Ω or higher
G41-20 (CANL) - G42-4 (GND)	W - W-B	Engine switch off	200 Ω or higher
G41-19 (CANH) - G37-16 (BAT)	G - GR	Engine switch off	6 kΩ or higher
G41-20 (CANL) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK SUSPENSION CONTROL ECU

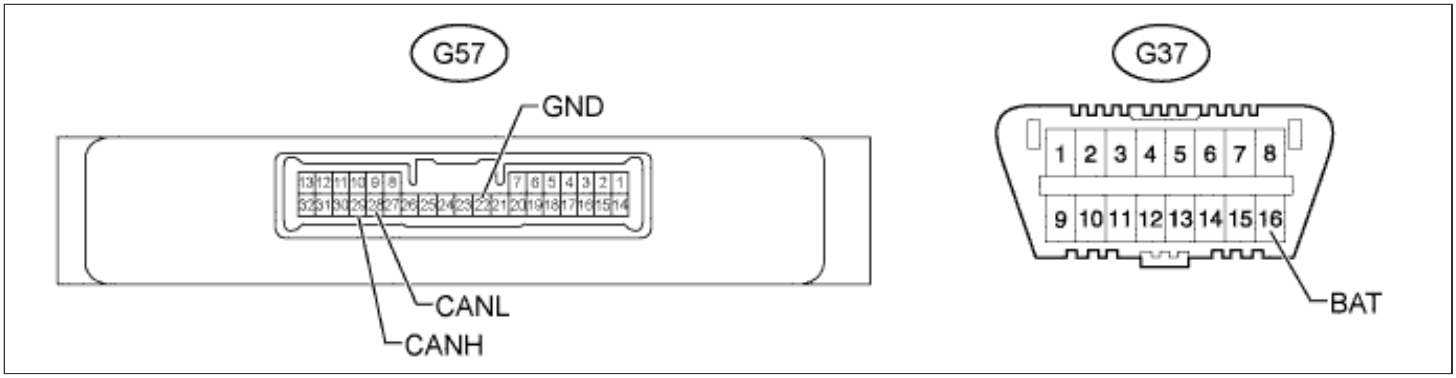


a. Disconnect the A40 suspension control ECU connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
A40-7 (CANH) - A40-8 (CANL)	GR - W	Engine switch off	54 to 69 Ω
A40-7 (CANH) - A40-5 (GND)	GR - W-B	Engine switch off	200 Ω or higher
A40-8 (CANL) - A40-5 (GND)	W - W-B	Engine switch off	200 Ω or higher
A40-7 (CANH) - A40-3 (B)	GR - GR	Engine switch off	6 kΩ or higher
A40-8 (CANL) - A40-3 (B)	W - GR	Engine switch off	6 kΩ or higher

CHECK STABILIZER CONTROL ECU



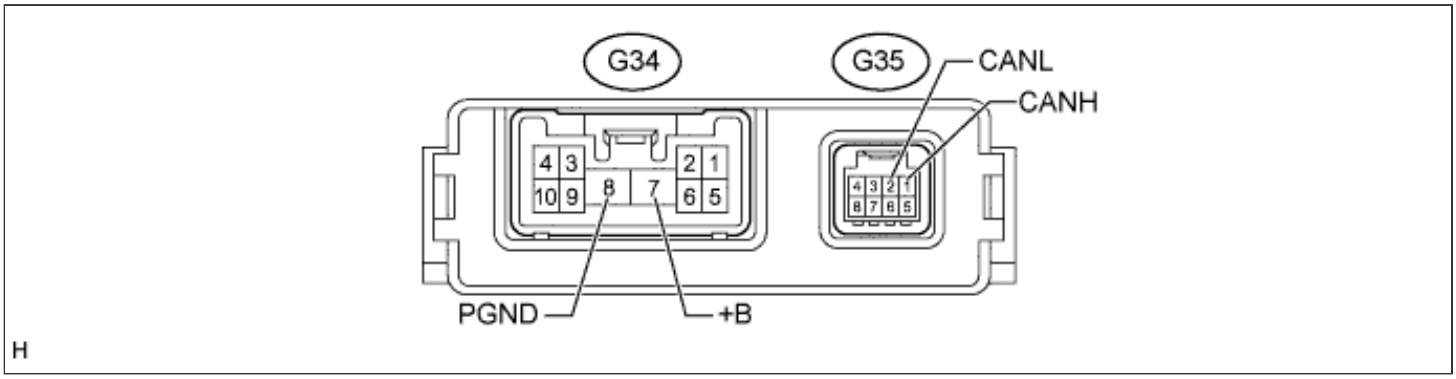
a. Disconnect the G57 stabilizer control ECU connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G57-29 (CANH) - G57-28 (CANL)	V - W	Engine switch off	54 to 69 Ω

G57-29 (CANH) - G57-22 (GND)	V - W-B	Engine switch off	200 Ω or higher
G57-28 (CANL) - G57-22 (GND)	W - W-B	Engine switch off	200 Ω or higher
G57-29 (CANH) - G37-16 (BAT)	V - GR	Engine switch off	6 kΩ or higher
G57-28 (CANL) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK SEAT BELT CONTROL ECU (w/ Pre-crash Safety System)

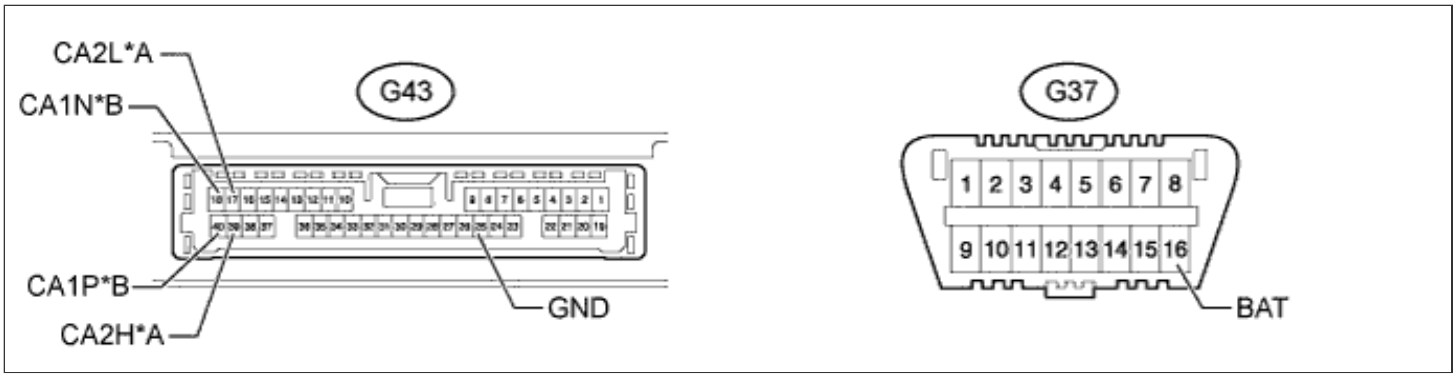


a. Disconnect the G34 and G35 seat belt control ECU connectors.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G35-1 (CANH) - G35-2 (CANL)	L - W	Engine switch off	54 to 69 Ω
G35-1 (CANH) - G34-8 (PGND)	L - W-B	Engine switch off	200 Ω or higher
G35-2 (CANL) - G34-8 (PGND)	W - W-B	Engine switch off	200 Ω or higher
G35-1 (CANH) - G34-7 (+B)	L - W	Engine switch off	6 kΩ or higher
G35-2 (CANL) - G34-7 (+B)	W - W	Engine switch off	6 kΩ or higher

CHECK DRIVING SUPPORT ECU ASSEMBLY (w/ Pre-crash Safety System)



Text in Illustration

*A	for V2 Bus	*B	for Sensor Bus

NOTICE:

- **As disconnecting the connector to perform inspections may cause DTCs to be stored, clear DTCs after performing inspections.**
- **As the connector may be damaged if a load of more than 10 kg (22 lb) is applied to it, do not apply any more load than necessary to the connector.**

a. Disconnect the G43 driving support ECU assembly connector.

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

for V2 Bus

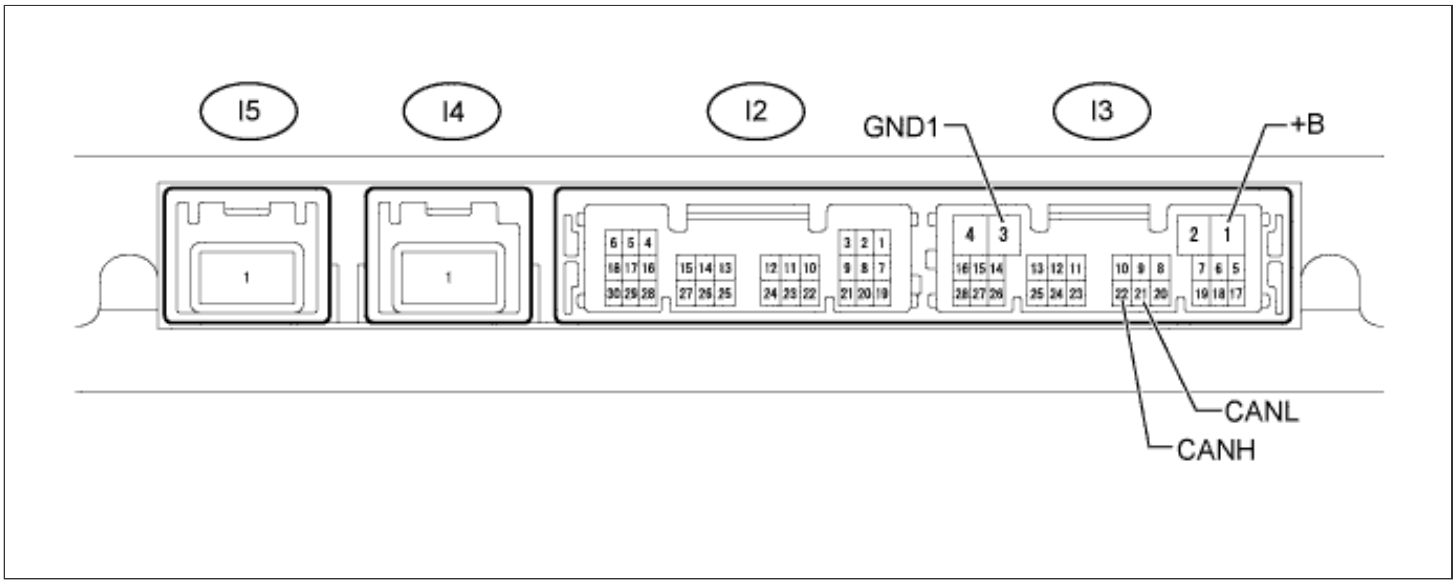
Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G43-39 (CA2H) - G43-17 (CA2L)	G - W	Engine switch off	54 to 69 Ω
G43-39 (CA2H) - G43-25 (GND)	G - BR	Engine switch off	200 Ω or higher
G43-17 (CA2L) - G43-25 (GND)	W - BR	Engine switch off	200 Ω or higher
G43-39 (CA2H) - G37-16 (BAT)	G - GR	Engine switch off	6 kΩ or higher
G43-17 (CA2L) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

for Sensor Bus

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G43-40 (CA1P) - G43-18 (CA1N)	L - W	Engine switch off	108 to 132 Ω
G43-40 (CA1P) - G43-25 (GND)	L - BR	Engine switch off	200 Ω or higher
G43-18 (CA1N) - G43-25 (GND)	W - BR	Engine switch off	200 Ω or higher
G43-40 (CA1P) - G37-16 (BAT)	L - GR	Engine switch off	6 kΩ or higher

G43-18 (CA1N) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK PARKING ASSIST ECU (w/ LEXUS Parking Assist-sensor System [w/ Parking Assist System and/or Side Monitor System])

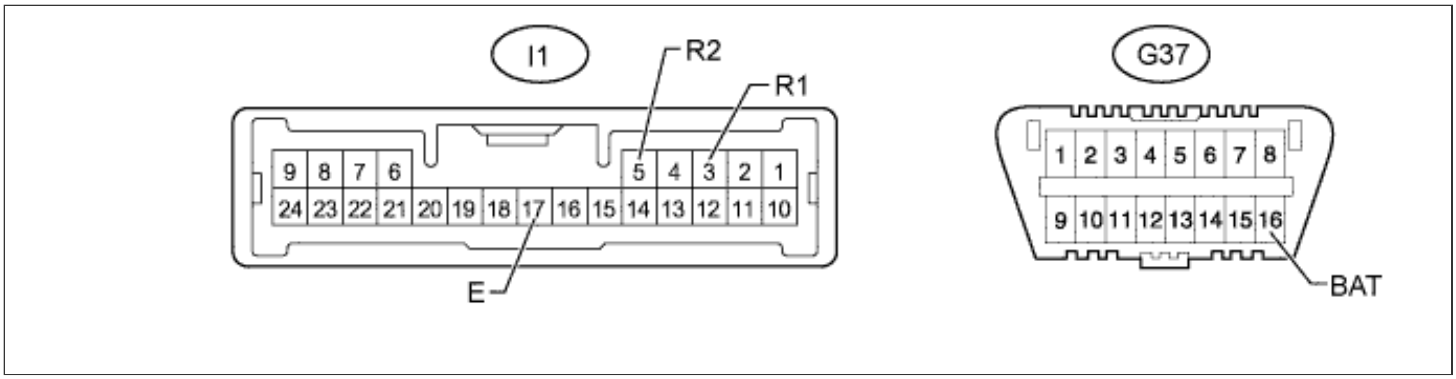


a. Disconnect the I3 parking assist ECU connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
I3-22 (CANH) - I3-21 (CANL)	B - W	Engine switch off	54 to 69 Ω
I3-22 (CANH) - I3-3 (GND1)	B - W-B	Engine switch off	200 Ω or higher
I3-21 (CANL) - I3-3 (GND1)	W - W-B	Engine switch off	200 Ω or higher
I3-22 (CANH) - I3-1 (+B)	B - L	Engine switch off	6 kΩ or higher
I3-21 (CANL) - I3-1 (+B)	W - L	Engine switch off	6 kΩ or higher

CHECK CLEARANCE WARNING ECU ASSEMBLY (w/ LEXUS Parking Assist-sensor System [w/o Parking Assist System and/or Side Monitor System])

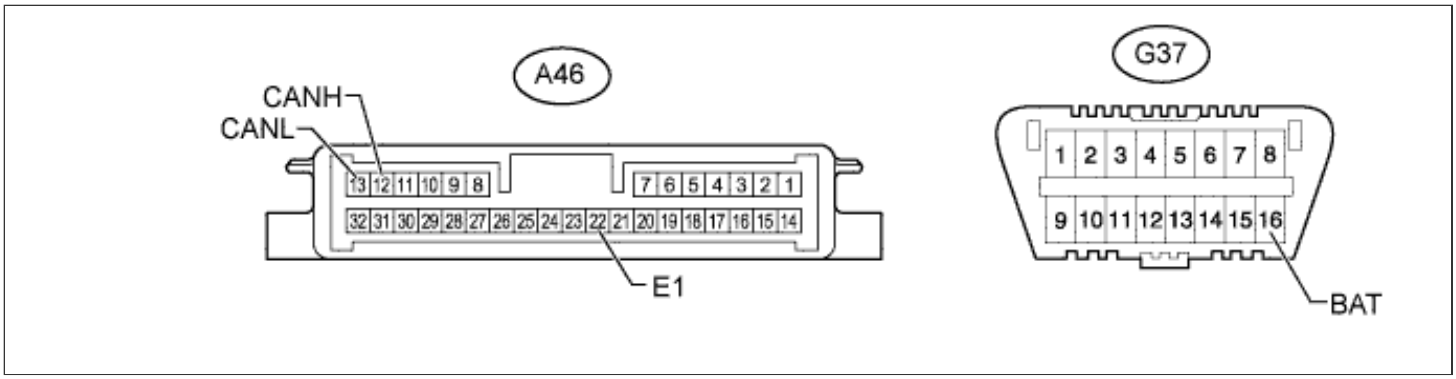


a. Disconnect the I1 clearance warning ECU assembly connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
I1-3 (R1) - I1-5 (R2)	B - W	Engine switch off	54 to 69 Ω
I1-3 (R1) - I1-17 (E)	B - W-B	Engine switch off	200 Ω or higher
I1-5 (R2) - I1-17 (E)	W - W-B	Engine switch off	200 Ω or higher
I1-3 (R1) - G37-16 (BAT)	B - GR	Engine switch off	6 kΩ or higher
I1-5 (R2) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK HEADLIGHT SWIVEL ECU ASSEMBLY (AFS ECU)



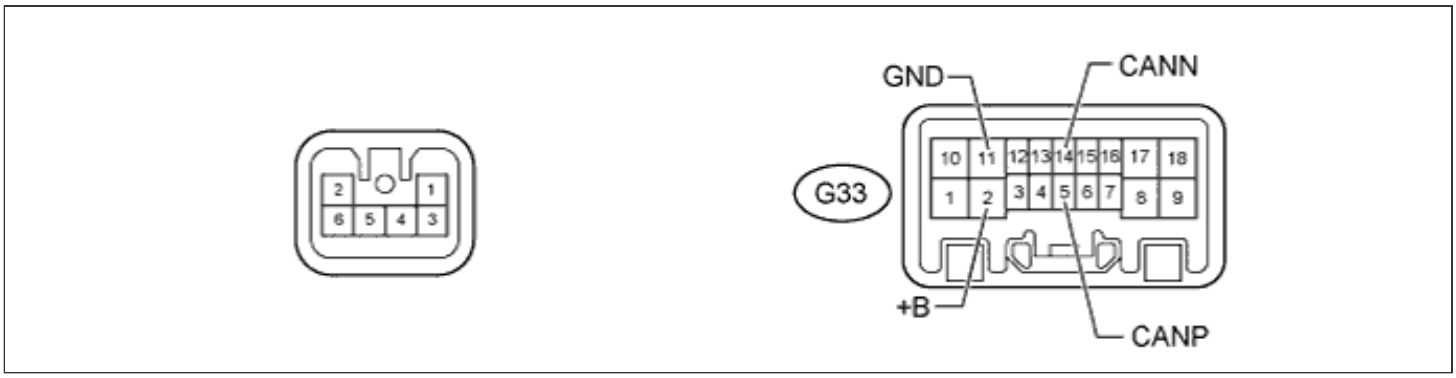
a. Disconnect the A46 headlight swivel ECU assembly (AFS ECU) connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
A46-12 (CANH) - A46-13 (CANL)	V - W	Engine switch off	54 to 69 Ω
A46-12 (CANH) - A46-22 (E1)	V - W-B	Engine switch off	200 Ω or higher

A46-13 (CANL) - A46-22 (E1)	W - W-B	Engine switch off	200 Ω or higher
A46-12 (CANH) - G37-16 (BAT)	V - GR	Engine switch off	6 kΩ or higher
A46-13 (CANL) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK MULTIPLEX TILT AND TELESCOPIC ECU

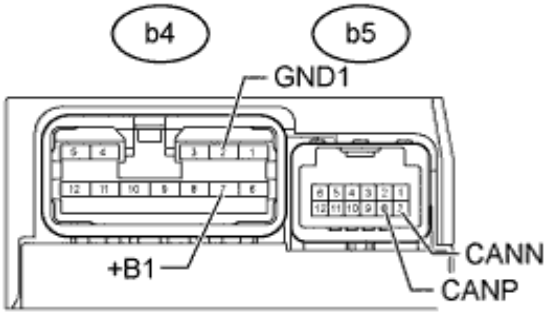


a. Disconnect the G33 multiplex tilt and telescopic ECU connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G33-5 (CANP) - G33-14 (CANN)	GR - W	Engine switch off	54 to 69 Ω
G33-5 (CANP) - G33-11 (GND)	GR - W-B	Engine switch off	200 Ω or higher
G33-14 (CANN) - G33-11 (GND)	W - W-B	Engine switch off	200 Ω or higher
G33-5 (CANP) - G33-2 (+B)	GR - G	Engine switch off	6 kΩ or higher
G33-14 (CANN) - G33-2 (+B)	W - G	Engine switch off	6 kΩ or higher

CHECK FRONT POWER SEAT SWITCH LH

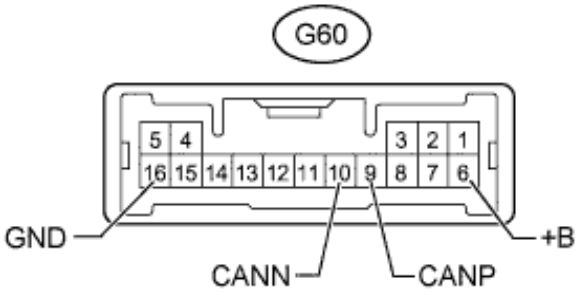


a. Disconnect the b4 and b5 front power seat switch LH connectors.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
b5-8 (CANP) - b5-7 (CANN)	L - W	Engine switch off	54 to 69 Ω
b5-8 (CANP) - b4-2 (GND1)	L - W-B	Engine switch off	200 Ω or higher
b5-7 (CANN) - b4-2 (GND1)	W - W-B	Engine switch off	200 Ω or higher
b5-8 (CANP) - b4-7 (+B1)	L - W	Engine switch off	6 kΩ or higher
b5-7 (CANN) - b4-7 (+B1)	W - W	Engine switch off	6 kΩ or higher

CHECK DRIVING SUPPORT SWITCH CONTROL ECU



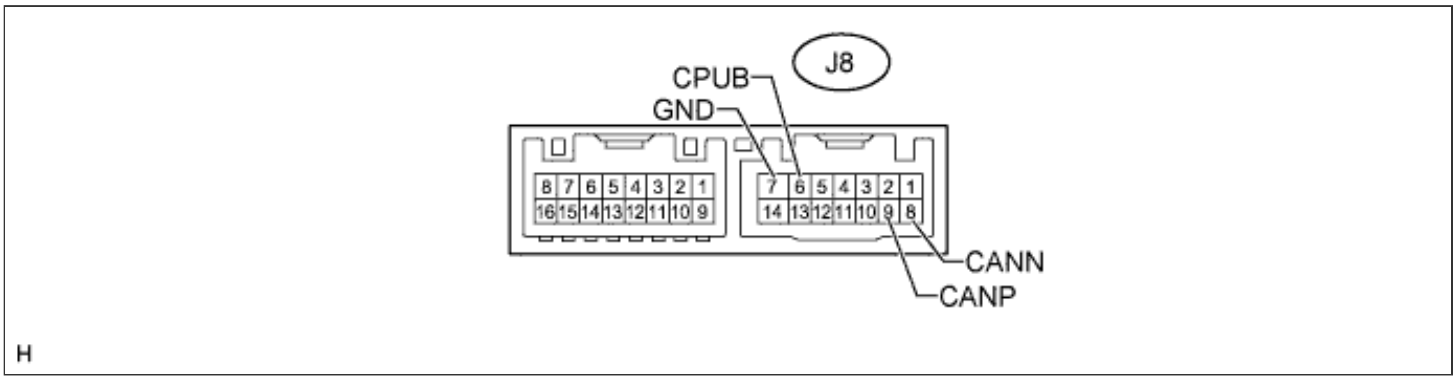
a. Disconnect the G60 driving support switch control ECU connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
G60-9 (CANP) - G60-	R - W	Engine switch off	54 to 69 Ω

10 (CANN)			
G60-9 (CANP) - G60-16 (GND)	R - W-B	Engine switch off	200 Ω or higher
G60-10 (CANN) - G60-16 (GND)	W - W-B	Engine switch off	200 Ω or higher
G60-9 (CANP) - G60-6 (+B)	R - L	Engine switch off	6 kΩ or higher
G60-10 (CANN) - G60-6 (+B)	W - L	Engine switch off	6 kΩ or higher

CHECK OUTER MIRROR CONTROL ECU ASSEMBLY RH

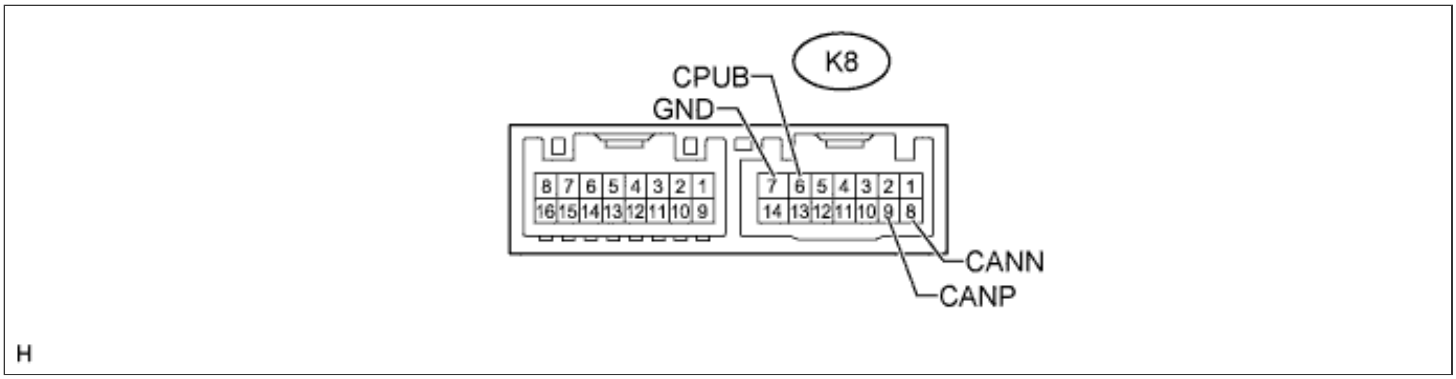


a. Disconnect the J8 outer mirror control ECU assembly RH connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
J8-9 (CANP) - J8-8 (CANN)	G - W	Engine switch off	54 to 69 Ω
J8-9 (CANP) - J8-7 (GND)	G - W-B	Engine switch off	200 Ω or higher
J8-8 (CANN) - J8-7 (GND)	W - W-B	Engine switch off	200 Ω or higher
J8-9 (CANP) - J8-6 (CPUB)	G - L	Engine switch off	6 kΩ or higher
J8-8 (CANN) - J8-6 (CPUB)	W - L	Engine switch off	6 kΩ or higher

CHECK OUTER MIRROR CONTROL ECU ASSEMBLY LH



a. Disconnect the K8 outer mirror control ECU assembly LH connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
K8-9 (CANP) - K8-8 (CANN)	B - W	Engine switch off	54 to 69 Ω
K8-9 (CANP) - K8-7 (GND)	B - W-B	Engine switch off	200 Ω or higher
K8-8 (CANN) - K7-7 (GND)	W - W-B	Engine switch off	200 Ω or higher
K8-9 (CANP) - K8-6 (CPUB)	B - L	Engine switch off	6 kΩ or higher
K8-8 (CANN) - K8-6 (CPUB)	W - L	Engine switch off	6 kΩ or higher

CHECK MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Pre-crash Safety System)

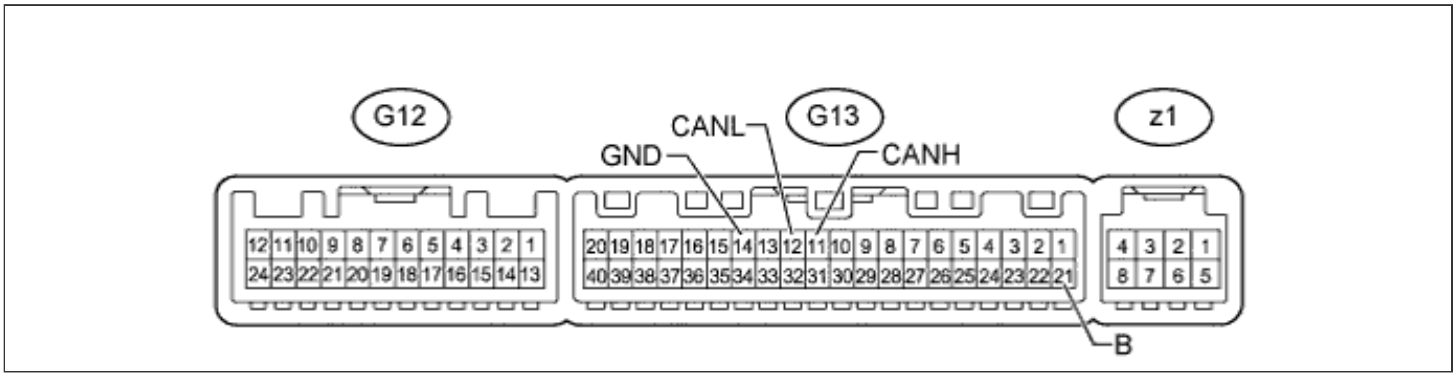
a. Disconnect the A12 millimeter wave radar sensor assembly connector.

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

Terminal No. (Symbol)	Wiring Color	Switch Condition	Specified Condition
A12-4 (CA1P) - A12-	LG - W	Engine switch off	108 to 132 Ω

3 (CA1N)			
A12-4 (CA1P) - A12-2 (SGND)	LG - BR	Engine switch off	200 Ω or higher
A12-3 (CA1N) - A12-2 (SGND)	W - BR	Engine switch off	200 Ω or higher
A12-4 (CA1P) - G37-16 (BAT)	LG - GR	Engine switch off	6 kΩ or higher
A12-3 (CA1N) - G37-16 (BAT)	W - GR	Engine switch off	6 kΩ or higher

CHECK AIR CONDITIONING AMPLIFIER ASSEMBLY



a. Disconnect the G13 air conditioning amplifier assembly connector.

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

Terminal No. (Symbol)	Wiring Color	Condition	Specified Condition
G13-11 (CANH) - G13-12 (CANL)	BR - Y	Engine switch off	54 to 69 Ω
G13-11 (CANH) - G13-14 (GND)	BR - W-B	Engine switch off	200 Ω or higher
G13-12 (CANL) - G13-14 (GND)	Y - W-B	Engine switch off	200 Ω or higher
G13-11 (CANH) - G13-21 (B)	BR - V	Engine switch off	6 kΩ or higher
G13-12 (CANL) - G13-21 (B)	Y - V	Engine switch off	6 kΩ or higher