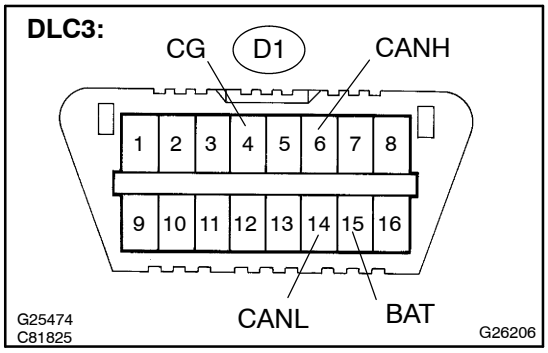
05I6Q–01

TERMINALS OF ECU

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

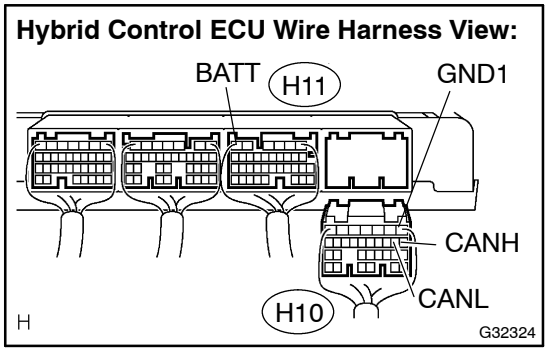


1. DLC3

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
D1–6 (CANH) – D1–14 (CANL)	B – W	Power Switch OFF	54 to 69 Ω
D1–6 (CANH) – D1–4 (CG)	B – W–B	Power Switch OFF	1 kΩ or more
D1–14 (CANL) – D1–4 (CG)	W – W–B	Power Switch OFF	1 kΩ or more
D1–6 (CANH) – D1–16 (BAT)	B – G	Power Switch OFF	1 MΩ or more
D1–14 (CANL) – D1–16 (BAT)	W – G	Power Switch OFF	1 MΩ or more



2. HYBRID VEHICLE CONTROL ECU

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

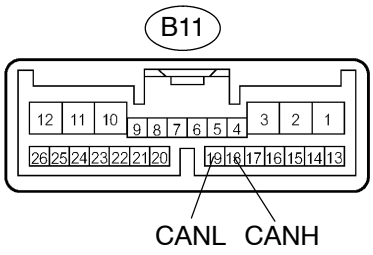
Standard:

Terminals	Wiring Color	Condition	Specified Condition
H10–8 (CANH) – H10–9 (CANL)	B – W	Power Switch OFF	54 to 69 Ω
H10–8 (CANH) – H10–1 (GND1)	B – W–B	Power Switch OFF	1 kΩ or more
H10–9 (CANL) – H10–1 (GND1)	W – W–B	Power Switch OFF	1 kΩ or more
H10–8 (CANH) – H11–6 (BATT)	B – Y	Power Switch OFF	1 MΩ or more
H10–9 (CANL) – H11–6 (BATT)	W – Y	Power Switch OFF	1 MΩ or more

3. BATTERY ECU

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

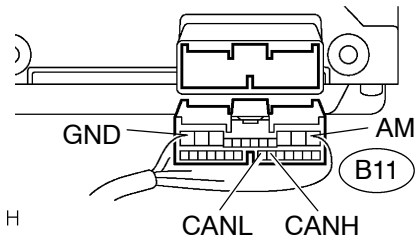
Battery ECU:



Standard:

Terminals	Condition	Specified Condition
B11–18 (CANH) – B11–19 (CANL)	Power Switch OFF	108 to 132 Ω

Battery ECU Wire Harness View:



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

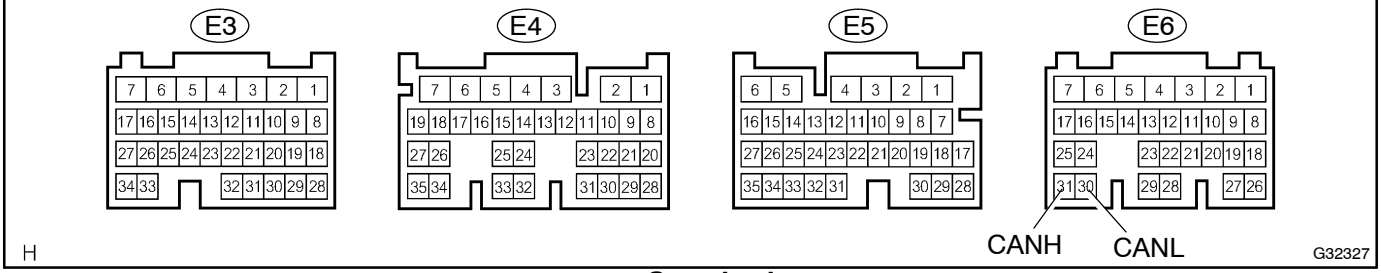
Standard:

Terminals	Wiring Color	Condition	Specified Condition
B11–18 (CANH) – B11–19 (CANL)	B – W	Power Switch OFF	108 to 132 Ω
B11–18 (CANH) – B11–12 (GND)	B – W–B	Power Switch OFF	1 kΩ or more
B11–19 (CANL) – B11–12 (GND)	W – W–B	Power Switch OFF	1 kΩ or more
B11–18 (CANH) – B11–1 (AM)	B – G	Power Switch OFF	1 MΩ or more
B11–19 (CANL) – B11–1 (AM)	W – G	Power Switch OFF	1 MΩ or more

4. ECM

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

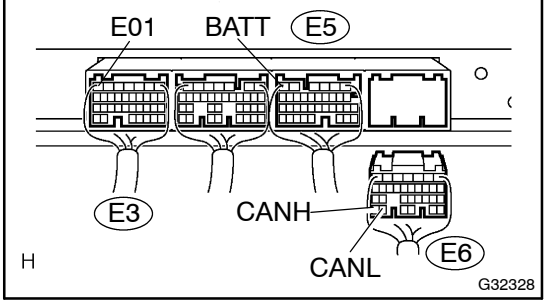
ECM:



Standard:

Terminals	Condition	Specified Condition
E6–31 (CANH) – E6–30 (CANL)	Power Switch OFF	108 to 132 Ω

ECM Wire Harness View:

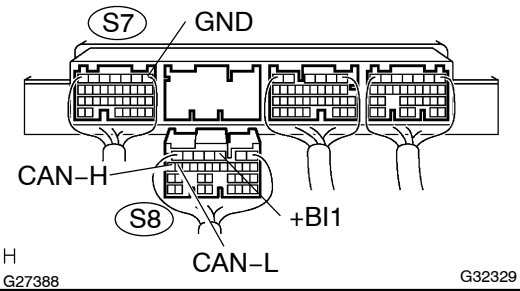


(b) Measure the resistance according to the value(s) in the table below.

Standard:

Terminals	Wiring Color	Condition	Specified Condition
E6–31 (CANH) – E6–30 (CANL)	B – W	Power Switch OFF	108 to 132 Ω
E6–31 (CANH) – E3–7 (E01)	B – BR	Power Switch OFF	1 kΩ or more
E6–30 (CANL) – E3–7 (E01)	W – BR	Power Switch OFF	1 kΩ or more
E6–31 (CANH) – E5–6 (BATT)	B – R	Power Switch OFF	1 MΩ or more
E6–30 (CANL) – E5–6 (BATT)	W – R	Power Switch OFF	1 MΩ or more

Skid Control ECU Wire Harness View:



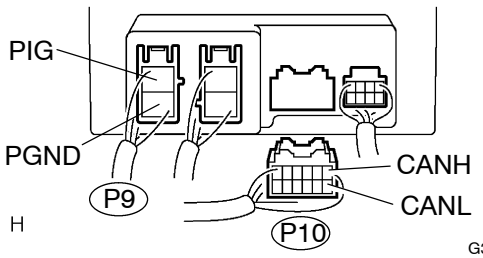
5. SKID CONTROL ECU

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
S8–19 (CAN–H) – S8–18 (CAN–L)	B – W	Power Switch OFF	54 to 69 Ω
S8–19 (CAN–H) – S7–1 (GND)	B – W (LHD) B – W–B (RHD)	Power Switch OFF	1 kΩ or more
S8–18 (CAN–L) – S7–1 (GND)	W – W (LHD) W – W–B (RHD)	Power Switch OFF	1 kΩ or more
S8–19 (CAN–H) – S8–3 (+BI1)	B – B	Power Switch OFF	1 MΩ or more
S8–18 (CAN–L) – S8–3 (+BI1)	W – B	Power Switch OFF	1 MΩ or more

Power Steering ECU
Wire Harness View:



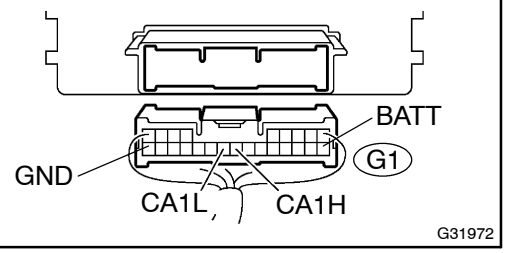
6. POWER STEERING ECU

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
P10–1 (CANH) – P10–7 (CANL)	B – W	Power Switch OFF	54 to 69 Ω
P10–1 (CANH) – P9–2 (PGND)	B – W–B	Power Switch OFF	1 kΩ or more
P10–7 (CANL) – P9–2 (PGND)	W – W–B	Power Switch OFF	1 kΩ or more
P10–1 (CANH) – P9–1 (PIG)	B – W	Power Switch OFF	1 MΩ or more
P10–7 (CANL) – P9–1 (PIG)	W – W	Power Switch OFF	1 MΩ or more

Gateway ECU Wire Harness View:



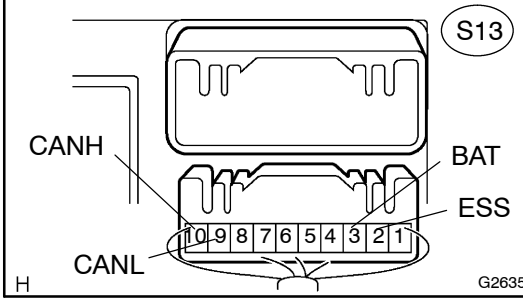
7. GATEWAY ECU

(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)	B – W	Power Switch OFF	54 to 69 Ω
G1–17 (CA1H) – G1–24 (GND)	B – W–B	Power Switch OFF	1 kΩ or more
G1–18 (CA1L) – G1–24 (GND)	W – W–B	Power Switch OFF	1 kΩ or more
G1–17 (CA1H) – G1–10 (BATT)	B – Y	Power Switch OFF	1 MΩ or more
G1–18 (CA1L) – G1–10 (BATT)	W – Y	Power Switch OFF	1 MΩ or more

Steering Sensor Wire Harness View:

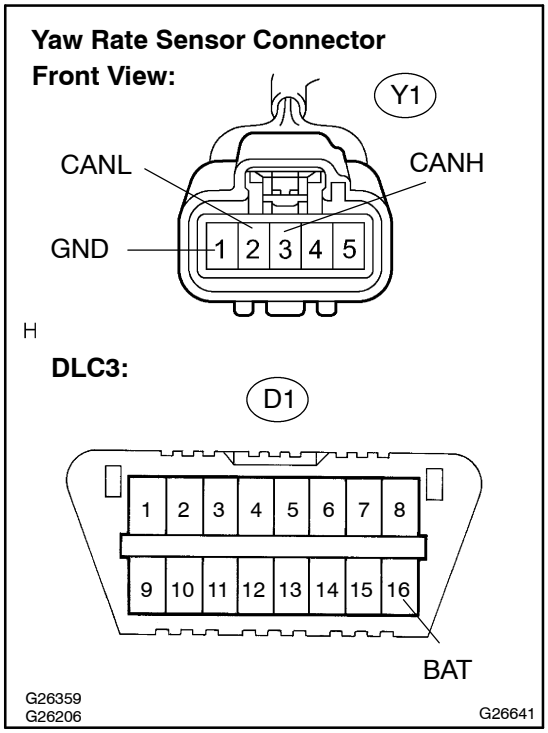


8. STEERING SENSOR

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

Standard:

Terminals	Wiring Color	Condition	Specified Condition
S13–10 (CANH) – S13–9 (CANL)	B – W	Power Switch OFF	54 to 69 Ω
S13–10 (CANH) – S13–2 (ESS)	B – W–B	Power Switch OFF	1 kΩ or more
S13–9 (CANL) – S13–2 (ESS)	W – W–B	Power Switch OFF	1 kΩ or more
S13–10 (CANH) – S13–3 (BAT)	B – R	Power Switch OFF	1 MΩ or more
S13–9 (CANL) – S13–3 (BAT)	W – R	Power Switch OFF	1 MΩ or more



9. YAW RATE SENSOR

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

Standard:

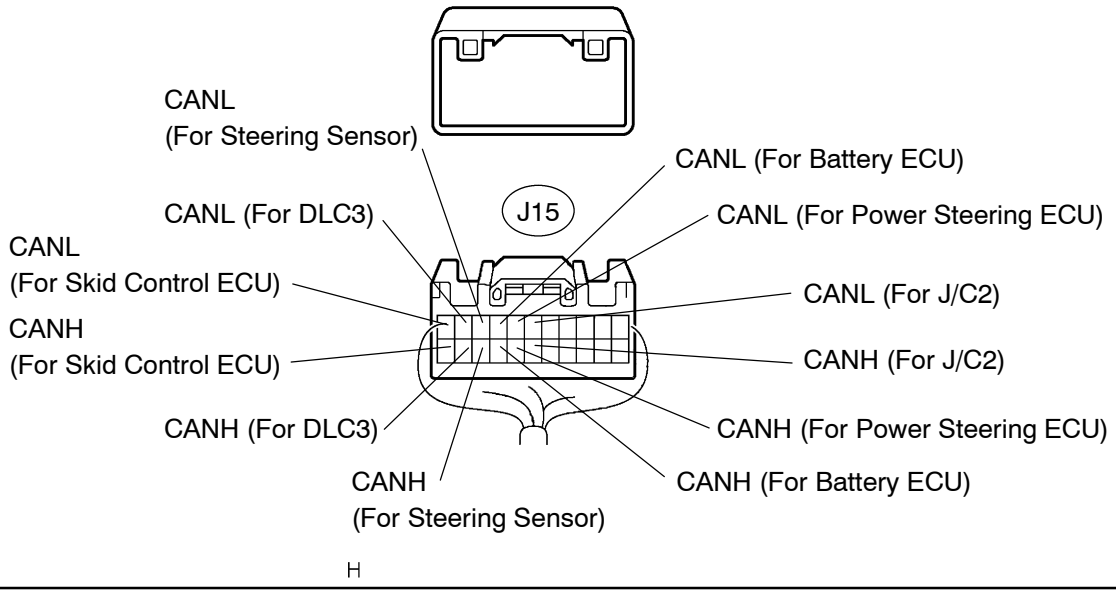
Terminals	Wiring Color	Condition	Specified Condition
Y1–3 (CANH) – Y1–2 (CANL)	B – W	Power Switch OFF	54 to 69 Ω
Y1–3 (CANH) – Y1–1 (GND)	B – W–B	Power Switch OFF	1 kΩ or more
Y1–2 (CANL) – Y1–1 (GND)	W – W–B	Power Switch OFF	1 kΩ or more
Y1–3 (CANH) – D1–16 (BAT)	B – G	Power Switch OFF	1 MΩ or more
Y1–2 (CANL) – D1–16 (BAT)	W – G	Power Switch OFF	1 MΩ or more

10. JUNCTION CONNECTOR (J/C1)

(a) Terminal arrangement and connection (LHD)

Terminals	Connects to
J15–6 (CANL)	J/C2 (CANL)
J15–17 (CANH)	J/C2 (CANH)
J15–7 (CANL)	Power Steering ECU (CANL)
J15–18 (CANH)	Power Steering ECU (CANH)
J15–8 (CANL)	Battery ECU (CANL)
J15–19 (CANH)	Battery ECU (CANH)
J15–9 (CANL)	Steering Sensor (CANL)
J15–20 (CANH)	Steering Sensor (CANH)
J15–10 (CANL)	DLC3 (CANL)
J15–21 (CANH)	DLC3 (CANH)
J15–11 (CANL)	Skid Control ECU (CANL)
J15–22 (CANH)	Skid Control ECU (CANH)

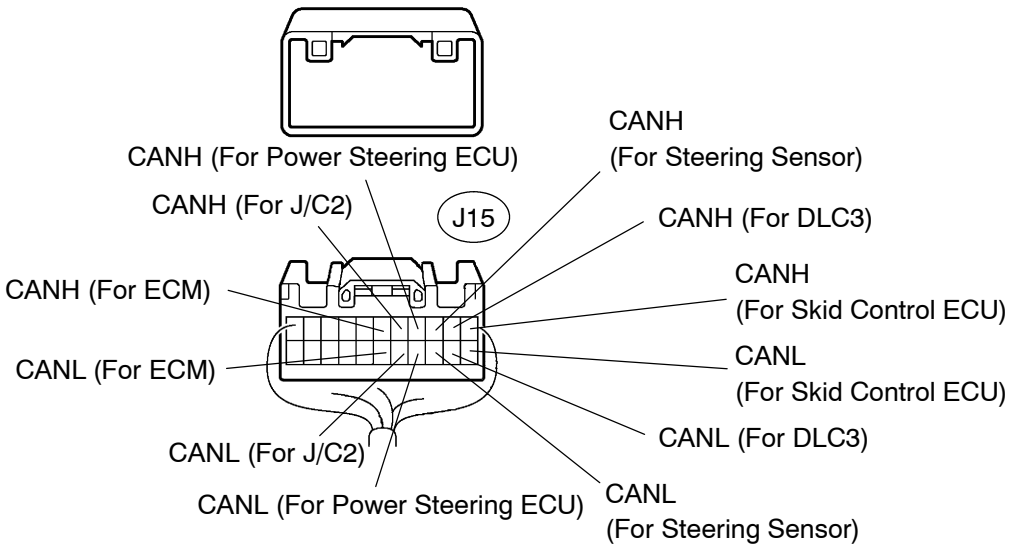
Junction Connector (J/C1) Wire Harness View, LHD:



(b) Terminal arrangement and connection (RHD)

Terminals	Connects to
J15–1 (CANH)	Skid Control ECU (CANH)
J15–12 (CANL)	Skid Control ECU (CANL)
J15–2 (CANH)	DLC3 (CANH)
J15–13 (CANL)	DLC3 (CANL)
J15–3 (CANH)	Steering Sensor (CANH)
J15–14 (CANL)	Steering Sensor (CANL)
J15–4 (CANH)	Power Steering ECU (CANH)
J15–15 (CANL)	Power Steering ECU (CANL)
J15–5 (CANH)	J/C2 (CANH)
J15–16 (CANL)	J/C2 (CANL)
J15–6 (CANH)	ECM (CANH)
J15–17 (CANL)	ECM (CANL)

Junction Connector (J/C1) Wire Harness View, RHD:

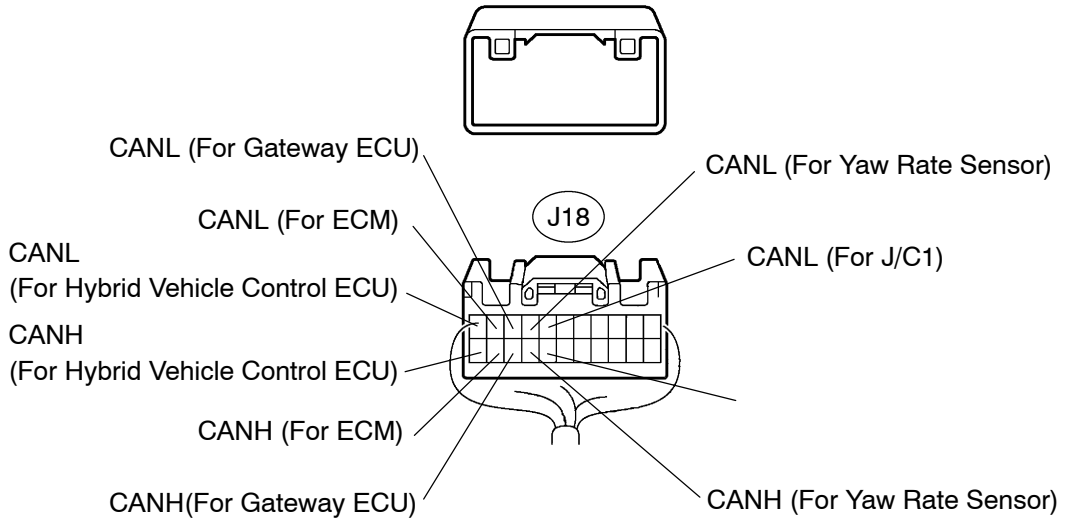


11. JUNCTION CONNECTOR (J/C2)

(a) Terminal arrangement and connection (LHD)

Terminals	Connects to
J18–7 (CANL)	J/C1 (CANL)
J18–18 (CANH)	J/C1 (CANH)
J18–8 (CANL)	Yaw Rate Sensor (CANL)
J18–19 (CANH)	Yaw Rate Sensor (CANH)
J18–9 (CANL)	Gateway ECU (CANL)
J18–20 (CANH)	Gateway ECU (CANH)
J18–10 (CANL)	ECM (CANL)
J18–21 (CANH)	ECM (CANH)
J18–11 (CANL)	Hybrid Vehicle Control ECU (CANL)
J18–22 (CANH)	Hybrid Vehicle Control ECU (CANH)

Junction Connector (J/C2) Wire Harness View, LHD:



(b) Terminal arrangement and connection (RHD)

Terminals	Connects to
J18–1 (CANH)	Hybrid Vehicle Control ECU (CANH)
J18–12 (CANL)	Hybrid Vehicle Control ECU (CANL)
J18–2 (CANH)	Yaw Rate Sensor (CANH)
J18–13 (CANL)	Yaw Rate Sensor (CANL)
J18–3 (CANH)	Gateway ECU (CANH)
J18–14 (CANL)	Gateway ECU (CANL)
J18–5 (CANH)	Battery ECU (CANH)
J18–16 (CANL)	Battery ECU (CANL)
J18–6 (CANH)	J/C1 (CANH)
J18–17 (CANL)	J/C1 (CANL)

Junction Connector (J/C2) Wire Harness View, RHD:

