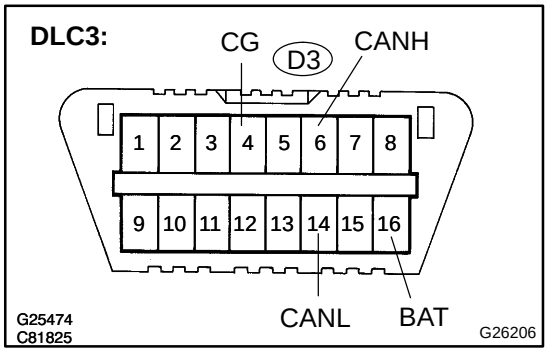
TERMINALS OF ECU



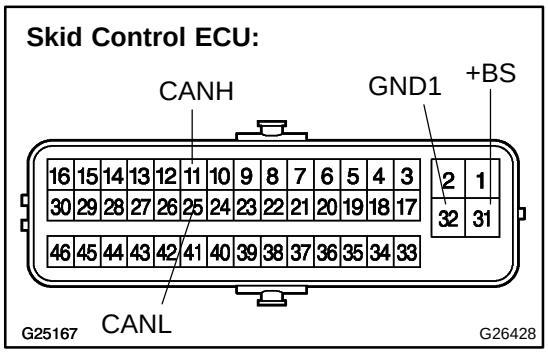
1. DLC3

(a) Check DLC3.

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

Standard:

Terminals	Terminal Description	Condition	Specified value
D3−6 (CANH) − D3−14 (CANL)	HIGH−level CAN bus line − LOW−level CAN bus line	IG switch OFF	54 to 69 Ω
D3−6 (CANH) − D3−16 (BAT)	HIGH−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
D3−14 (CANL) − D3−16 (BAT)	LOW−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
D3−6 (CANH) − D3−4 (CG)	HIGH−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
D3−14 (CANL) − D3−4 (CG)	LOW−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher



2. SKID CONTROL ECU

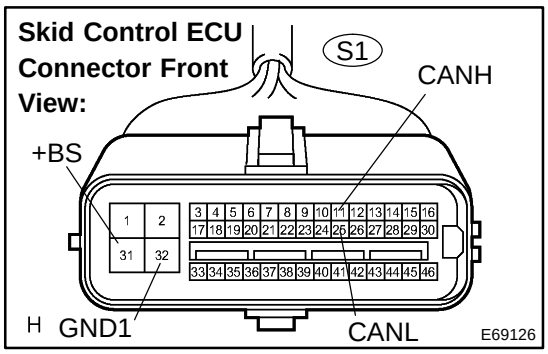
(a) Check skid control ECU.

(1) Disconnect the connector (S1) from the skid control ECU.

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

Standard:

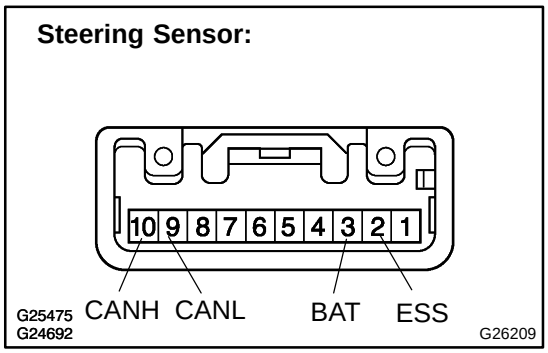
Terminals	Terminal Description	Condition	Specified value
11 (CANH) − 25 (CANL)	HIGH−level CAN bus line − LOW−level CAN bus line	IG switch OFF	108 to 132 Ω
11 (CANH) − 32 (GND1)	HIGH−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
25 (CANL) − 32 (GND1)	LOW−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
11 (CANH) − 31 (+BS)	HIGH−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
25 (CANL) − 31 (+BS)	LOW−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher



(b) Check the skid control ECU harness side connector (S1).
(1) Disconnect the connector (S1) from the skid control ECU.
(2) Measure the resistance according to the value(s) in the table below.

Standard:

Terminals	Wiring Color	Terminal Description	Condition	Specified value
S1−11 (CANH) − S1−25 (CANL)	B − W	HIGH−level CAN bus line − LOW−level CAN bus line	IG switch OFF	108 to 132 Ω
S1−11 (CANH) − S1−32 (GND1)	B − W−B	HIGH−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
S1−25 (CANL) − S1−32 (GND1)	W − W−B	LOW−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
S1−11 (CANH) − S1−31 (+BS)	B − W	HIGH−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
S1−25 (CANL) − S1−31 (+BS)	W − W	LOW−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher



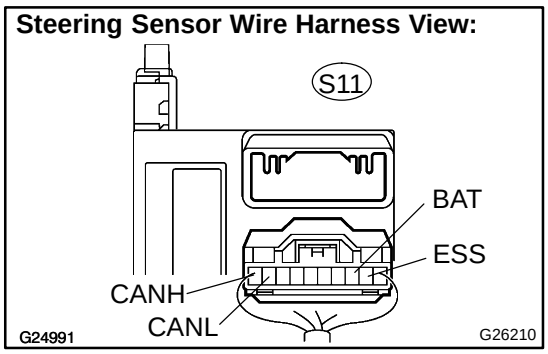
3. STEERING SENSOR

(a) Check steering sensor.
(1) Disconnect the connector (S11) from the steering sensor.
(2) Measure the resistance according to the value(s) in the table below.

Standard:

Terminals	Terminal Description	Condition	Specified value
10 (CANH) − 9 (CANL)	HIGH−level CAN bus line − LOW−level CAN bus line	IG switch OFF	108 to 132 Ω
10 (CANH) − 2 (ESS)	HIGH−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
9 (CANL) − 2 (ESS)	LOW−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
10 (CANH) − 3 (BAT)	HIGH−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
9 (CANL) − 3 (BAT)	LOW−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher

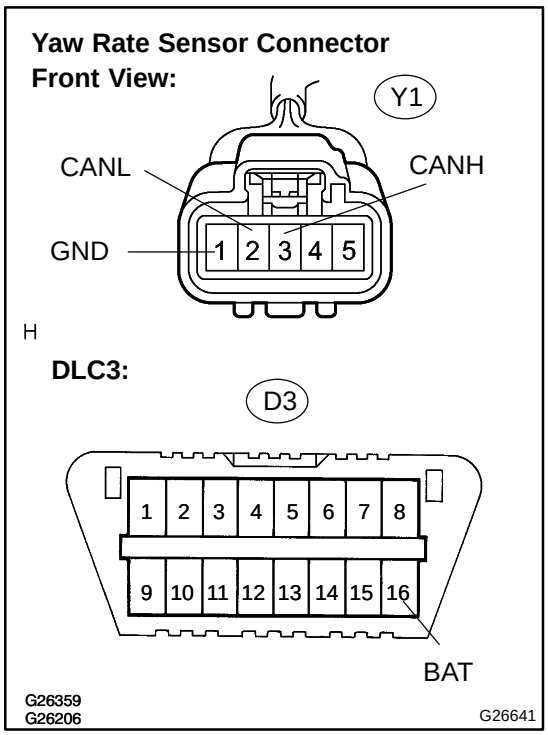
Steering Sensor Wire Harness View:



(b) Check the harness side connector (S11) of the steering sensor.
(1) Disconnect the connector (S11) from the steering sensor.
(2) Measure the resistance according to the value(s) in the table below.

Standard:

Terminals	Wiring Color	Terminal Description	Condition	Specified value
S11−10 (CANH) − S11−9 (CANL)	B − W	HIGH−level CAN bus line − LOW−level CAN bus line	IG switch OFF	108 to 132 Ω
S11−10 (CANH) − S11−2 (ESS)	B − W−B	HIGH−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
S11−9 (CANL) − S11−2 (ESS)	W − W−B	LOW−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
S11−10 (CANH) − S11−3 (BAT)	B − P	HIGH−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
S11−9 (CANL) − S11−3 (BAT)	W − P	LOW−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher



4. YAW RATE SENSOR

(a) Check the yaw rate sensor harness side connector (Y1).

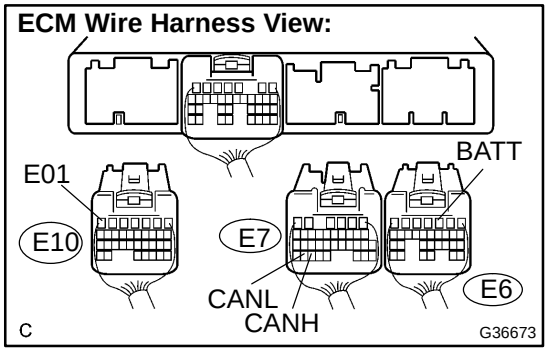
(1) Disconnect the connector (Y1) from the yaw rate sensor.

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

Standard:

Terminals	Wiring Color	Terminal Description	Condition	Specified value
Y1−3 (CANH) − Y1−2 (CANL)	LG − L	HIGH−level CAN bus line − LOW−level CAN bus line	IG switch OFF	54 to 69 Ω
Y1−3 (CANH) − Y1−1 (GND)	LG − W−B	HIGH−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
Y1−2 (CANL) − Y1−1 (GND)	L − W−B	LOW−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
Y1−3 (CANH) − D3−16 (BAT)	LG − B	HIGH−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
Y1−2 (CANL) − D3−16 (BAT)	L − B	LOW−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher

ECM Wire Harness View:



5. ECM (2AZ−FE)

(a) Check the ECM harness side connectors (E6), (E7) and (E10).

(1) Disconnect the connectors (E6), (E7) and (E10) from the ECM.

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

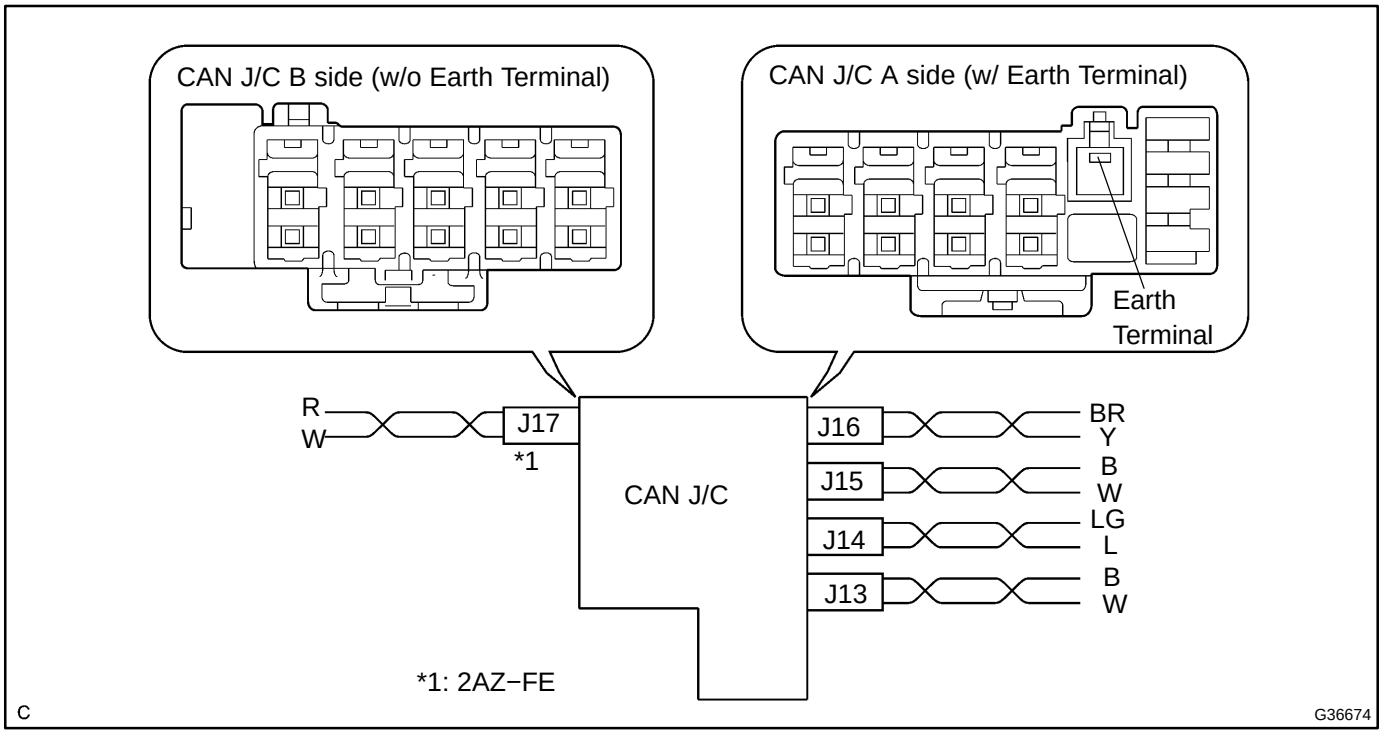
Standard:

Terminals	Wiring Color	Terminal Description	Condition	Specified value
E7−33 (CANH) − E7−34 (CANL)	R − W	HIGH−level CAN bus line − LOW−level CAN bus line	IG switch OFF	54 to 69 Ω
E7−33 (CANH) − E10−7 (E01)	R − W−B	HIGH−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
E7−34 (CANL) − E10−7 (E01)	W − W−B	LOW−level CAN bus line − Ground	IG switch OFF	3 kΩ or higher
E7−33 (CANH) − E6−3 (BATT)	R − B−Y	HIGH−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher
E7−34 (CANL) − E6−3 (BATT)	W − B−Y	LOW−level CAN bus line − Battery positive	IG switch OFF	1 MΩ or higher

6. CAN J/C

HINT:

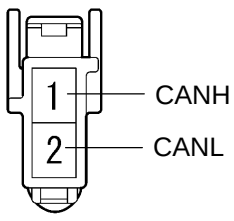
- The connectors connected to the CAN J/C can be distinguished by the colors of the bus lines and the connecting side of the connector.
- J13, J14, J15 and J16 are interchangeable.
- *1 ..... 2AZ−FE



CAN J/C connectors (A side, w/ earth terminal)	Color (CAN−H Side)	Color (CAN−L Side)
DLC3 (J16)	BR	Y
Skid control ECU (J15)	B	W
Yaw rate sensor (J14)	LG	L
Steering sensor (J13)	B	W

CAN J/C connectors (B side, w/o earth terminal)	Color (CAN−H Side)	Color (CAN−L Side)
ECM (J17) *1	R	W

CAN J/C Connector Front View:



7. CAN J/C CONNECTORS (J13, J14, J15, J16, and J17)

Terminal	Terminal symbol
1	CANH
2	CANL