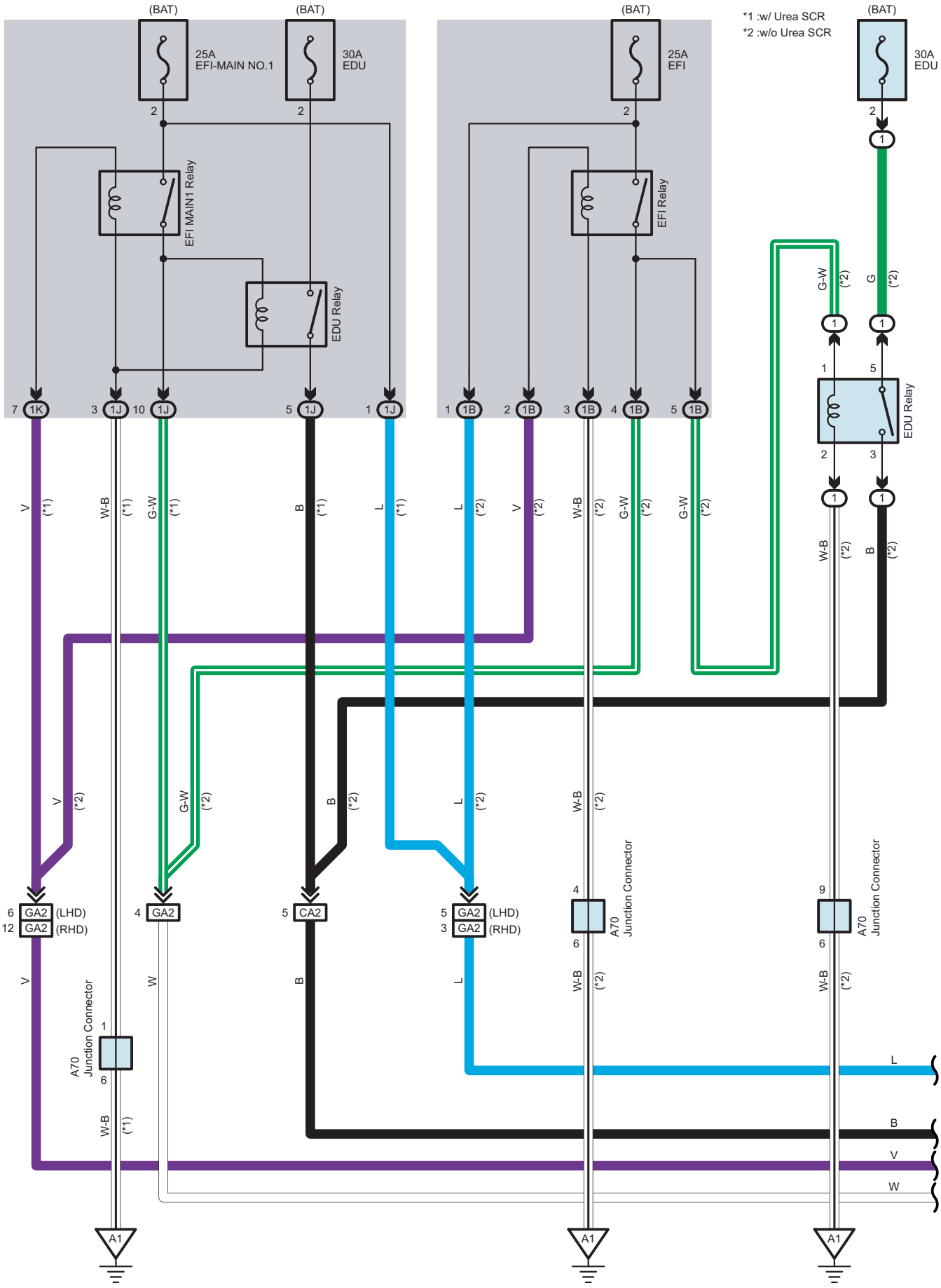
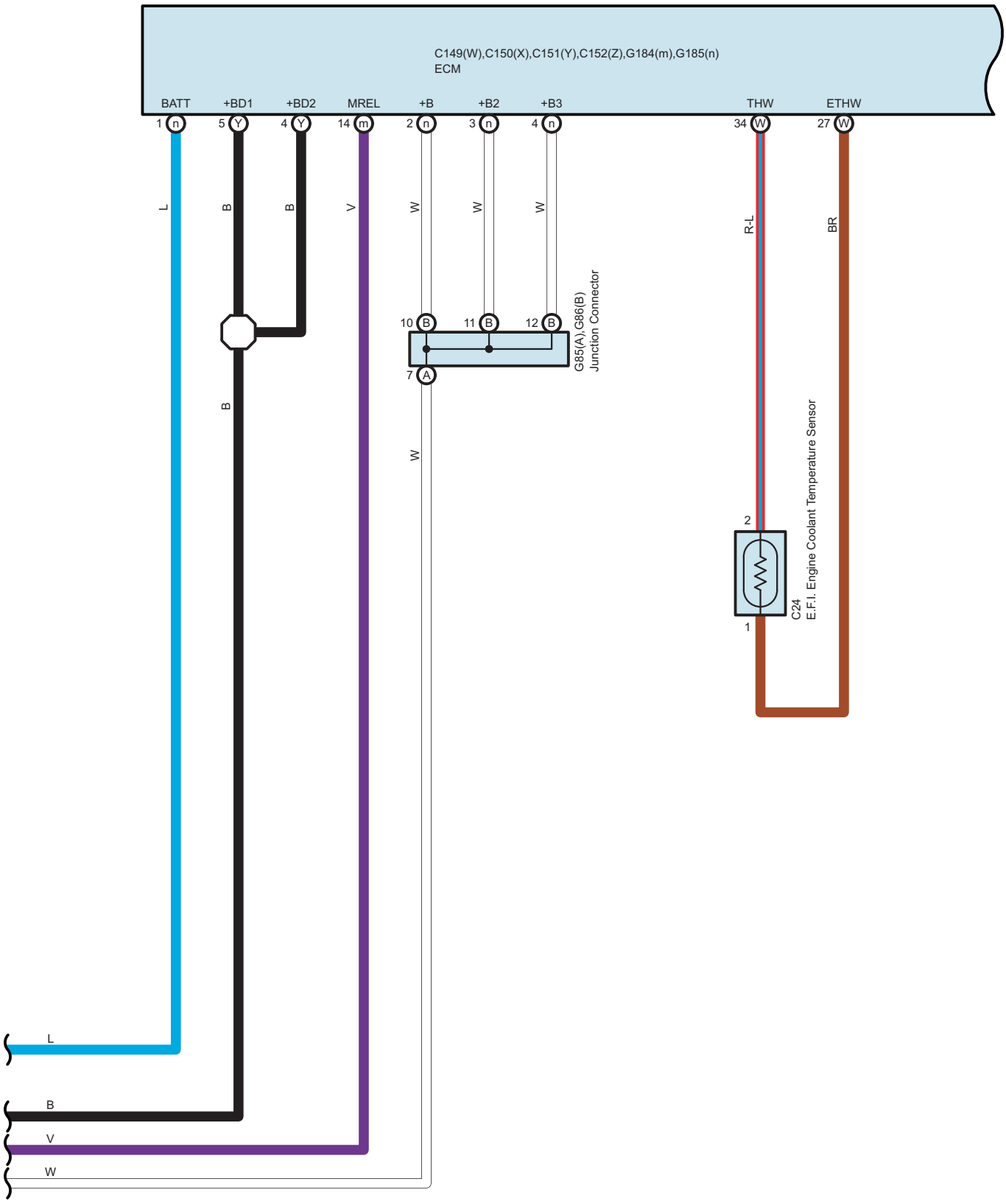
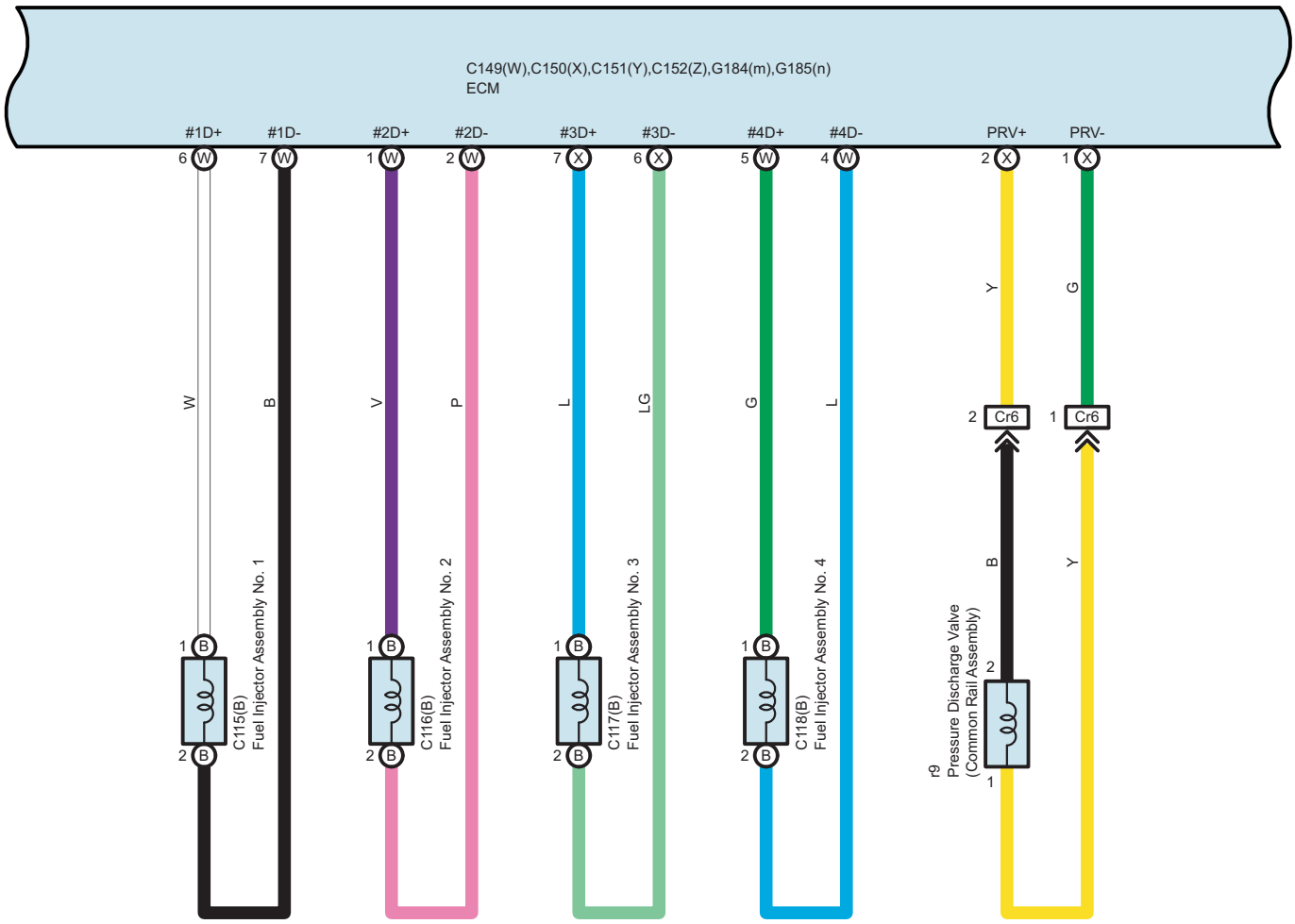
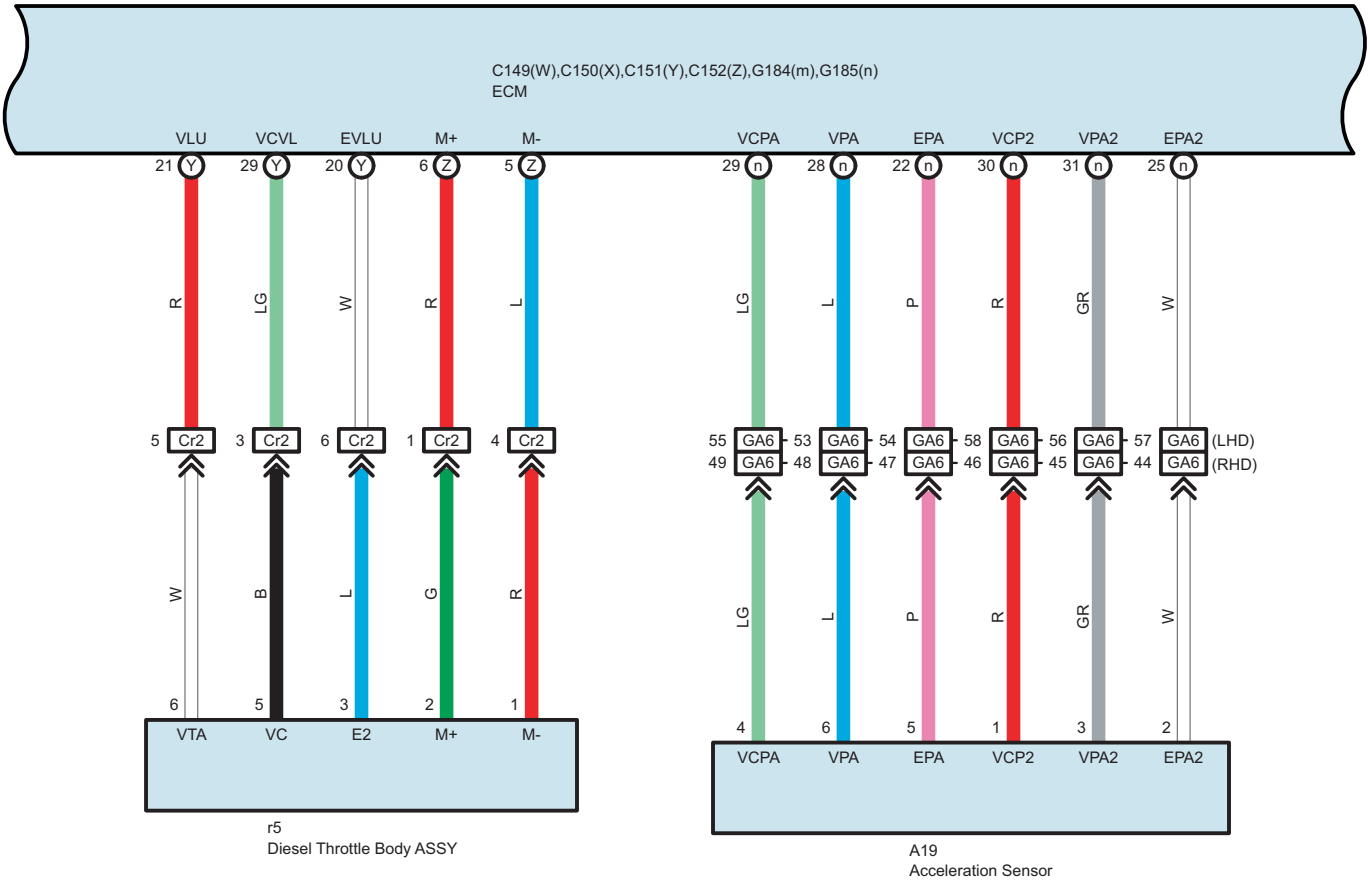
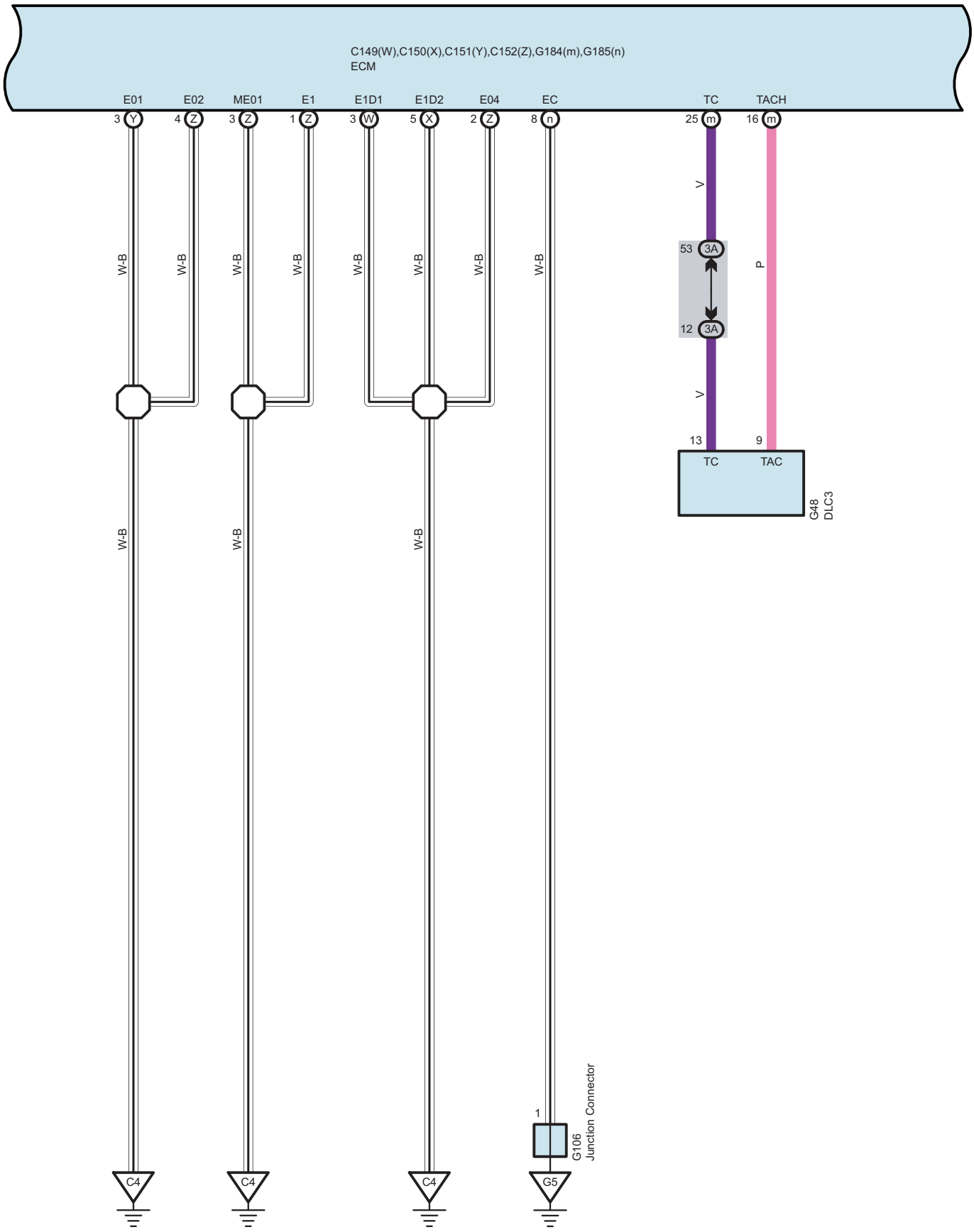
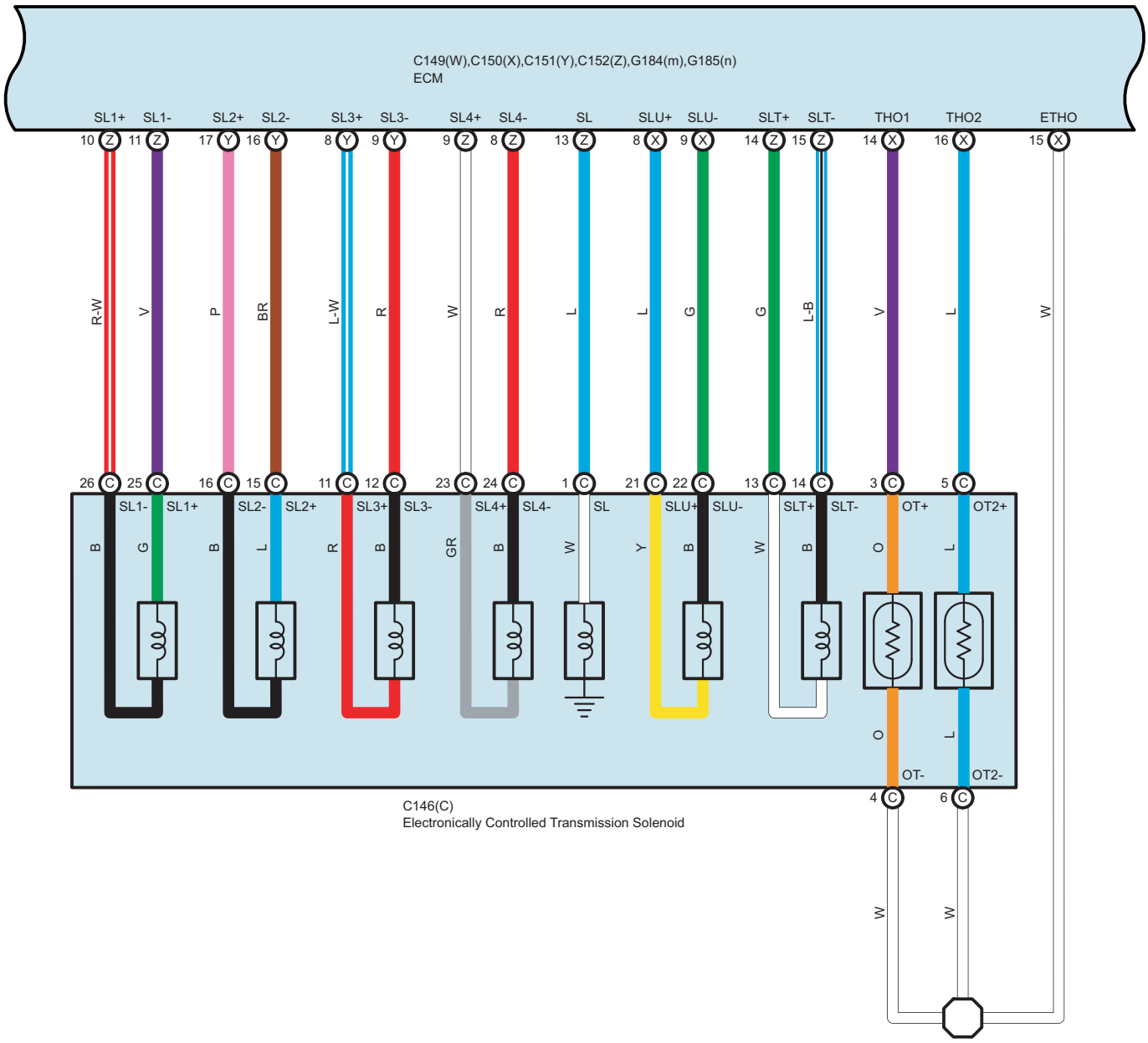

(BAT)
(BAT)
(BAT)
(BAT)
*1 :w/ Urea SCR
*2 :w/o Urea SCR
25A
EFI-MAIN NO.1
30A
EDU
25A
EFI
30A
EDU
EFI MAIN1 Relay
EFI Relay
EDU Relay
EDU Relay
7 1K
3 1J
10 1J
5 1J
1 1J
1 1B
2 1B
3 1B
4 1B
5 1B
V (*1)
W-B (*1)
G-W (*1)
B (*1)
L (*1)
L (*2)
V (*2)
W-B (*2)
G-W (*2)
G-W (*2)
G-W (*2)
G (*2)
W-B (*2)
B (*2)
6 GA2 (LHD)
12 GA2 (RHD)
4 GA2
5 CA2
5 GA2 (LHD)
3 GA2 (RHD)
4
6
A70
Junction Connector
9
6
A70
Junction Connector
1
6
A70
Junction Connector
L
B
V
W
A1
A1
A1

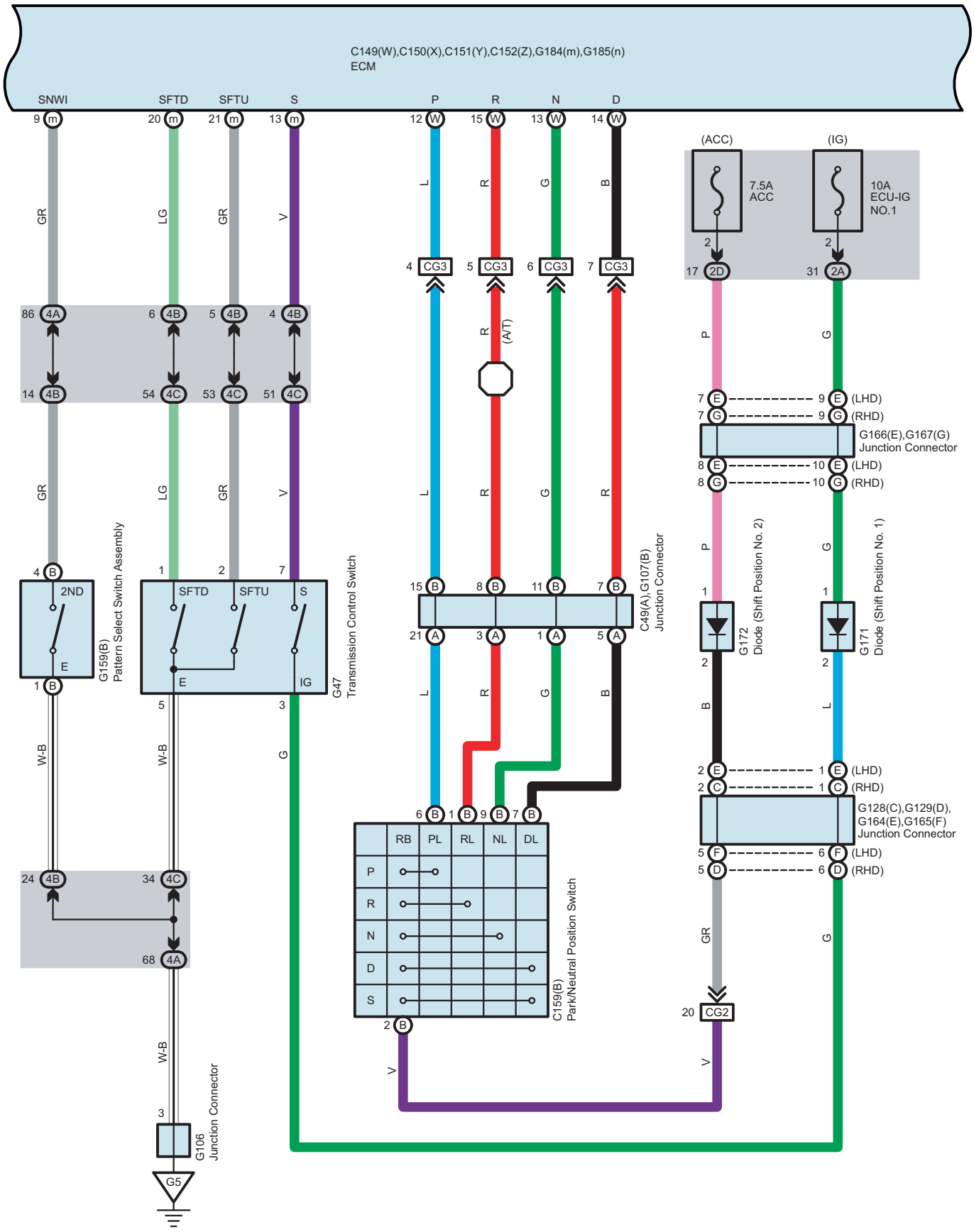

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
BATT
+BD1
+BD2
MREL
+B
+B2
+B3
THW
ETHW
1 n
5 Y
4 Y
14 m
2 n
3 n
4 n
34 W
27 W
L
B
B
V
W
W
W
R-L
BR
10 B
11 B
12 B
7 A
G85(A),G86(B)
Junction Connector
2
1
C24
E.F.I. Engine Coolant Temperature Sensor
L
B
V
W

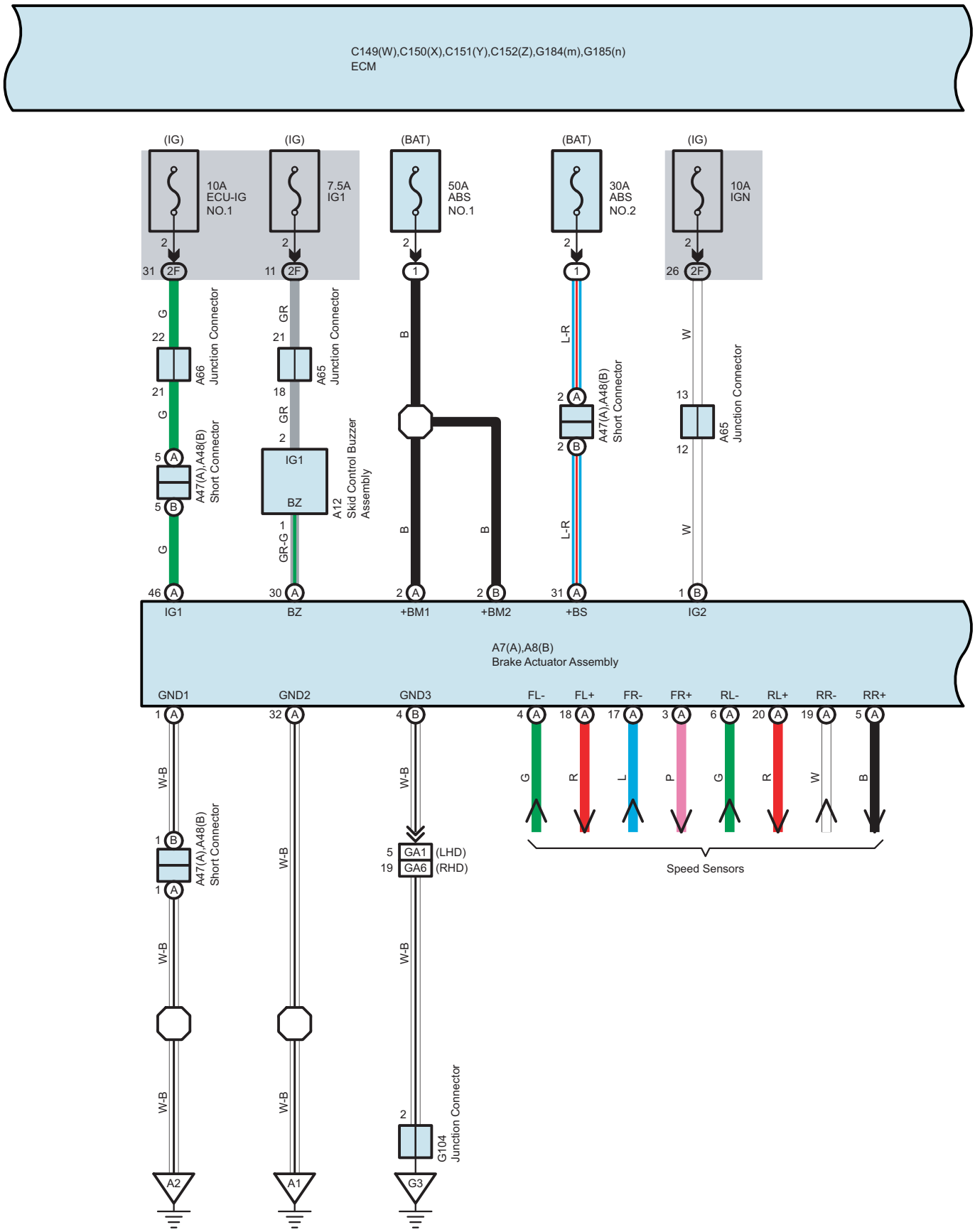

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
#1D+
#1D-
#2D+
#2D-
#3D+
#3D-
#4D+
#4D-
PRV+
PRV-
6 W
7 W
1 W
2 W
7 X
6 X
5 W
4 W
2 X
1 X
W
B
V
P
L
LG
G
L
Y
G
2 Cr6
1 Cr6
B
Y
1 B
2 B
C115(B)
Fuel Injector Assembly No. 1
C116(B)
Fuel Injector Assembly No. 2
C117(B)
Fuel Injector Assembly No. 3
C118(B)
Fuel Injector Assembly No. 4
r9
Pressure Discharge Valve
(Common Rail Assembly)

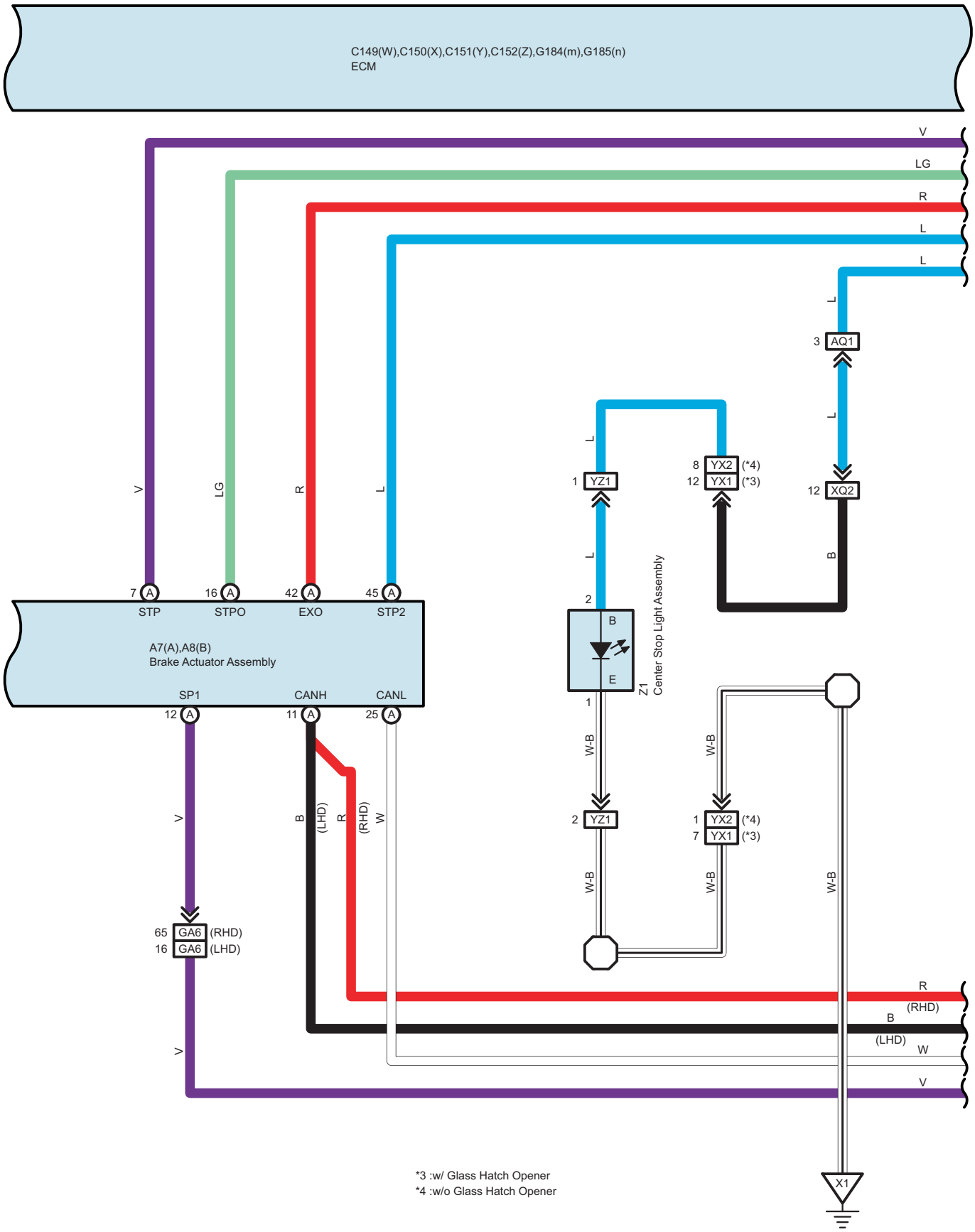

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
VLU
VCVL
EVLU
M+
M-
VCPA
VPA
EPA
VCP2
VPA2
EPA2
21 Y
29 Y
20 Y
6 Z
5 Z
29 n
28 n
22 n
30 n
31 n
25 n
R
LG
W
R
L
LG
L
P
R
GR
W
5 Cr2
3 Cr2
6 Cr2
1 Cr2
4 Cr2
55 GA6
49 GA6
53 GA6
48 GA6
54 GA6
47 GA6
58 GA6
46 GA6
56 GA6
45 GA6
57 GA6
44 GA6
(LHD)
(RHD)
W
B
L
G
R
LG
L
P
R
GR
W
6
5
3
2
1
4
6
5
1
3
2
VTA
VC
E2
M+
M-
VCPA
VPA
EPA
VCP2
VPA2
EPA2
r5
Diesel Throttle Body ASSY
A19
Acceleration Sensor

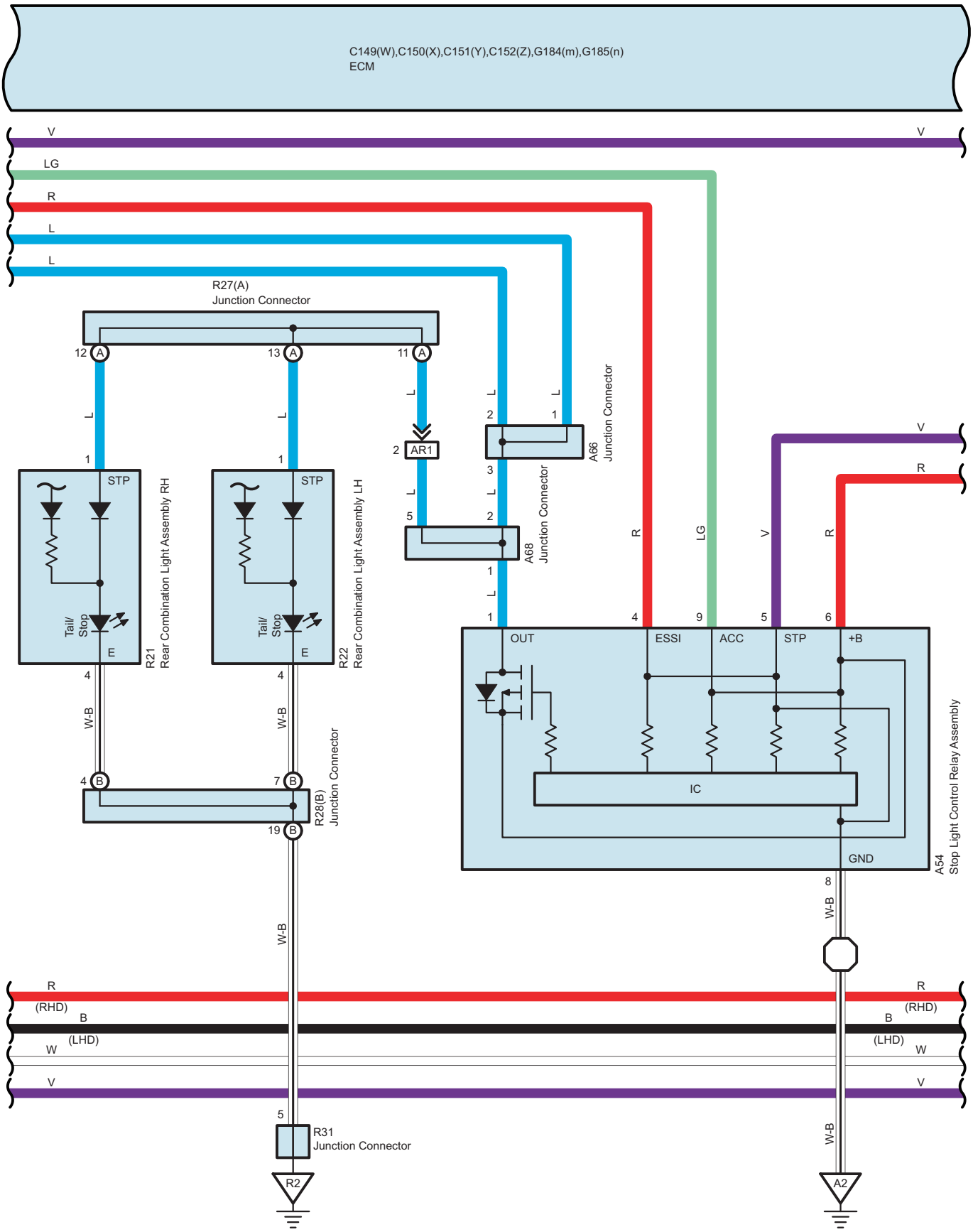

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
E01
E02
ME01
E1
E1D1
E1D2
E04
EC
TC
TACH
3 Y
4 Z
3 Z
1 Z
3 W
5 X
2 Z
8 n
25 m
16 m
W-B
V
P
53 3A
12 3A
13
9
TC
TAC
G48
DLC3
C4
C4
C4
G5
1
G106
Junction Connector

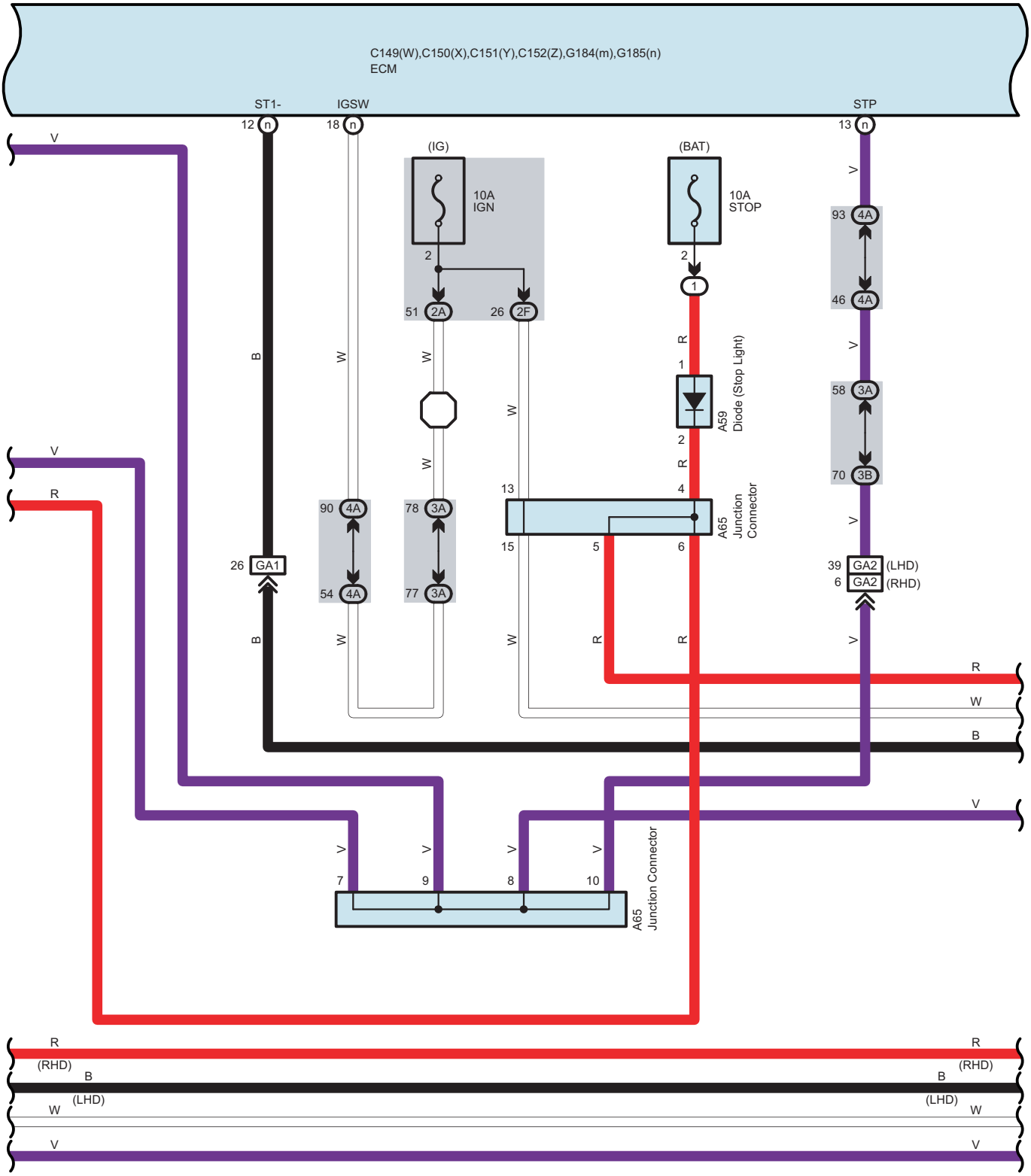

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
SL1+ SL1- SL2+ SL2- SL3+ SL3- SL4+ SL4- SL SLU+ SLU- SLT+ SLT- THO1 THO2 ETHO
10 Z 11 Z 17 Y 16 Y 8 Y 9 Y 9 Z 8 Z 13 Z 8 X 9 X 14 Z 15 Z 14 X 16 X 15 X
R-W V P BR L-W R W R L L G G L-B V L W
26 C 25 C 16 C 15 C 11 C 12 C 23 C 24 C 1 C 21 C 22 C 13 C 14 C 3 C 5 C
SL1- SL1+ SL2- SL2+ SL3+ SL3- SL4+ SL4- SL SLU+ SLU- SLT+ SLT- OT+ OT2+
B G B L R B GR B W Y B W B O L
O L
OT- OT2-
4 C 6 C
C146(C)
Electronically Controlled Transmission Solenoid
W W


C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
SNWI
SFTD
SFTU
S
P
R
N
D
(ACC)
(IG)
7.5A
ACC
10A
ECU-IG
NO.1
(A/T)
G159(B)
Pattern Select Switch Assembly
G47
Transmission Control Switch
C49(A),G107(B)
Junction Connector
C159(B)
Park/Neutral Position Switch
G172
Diode (Shift Position No. 2)
G171
Diode (Shift Position No. 1)
G166(E),G167(G)
Junction Connector
G128(C),G129(D),
G164(E),G165(F)
Junction Connector
G106
Junction Connector
(LHD)
(RHD)

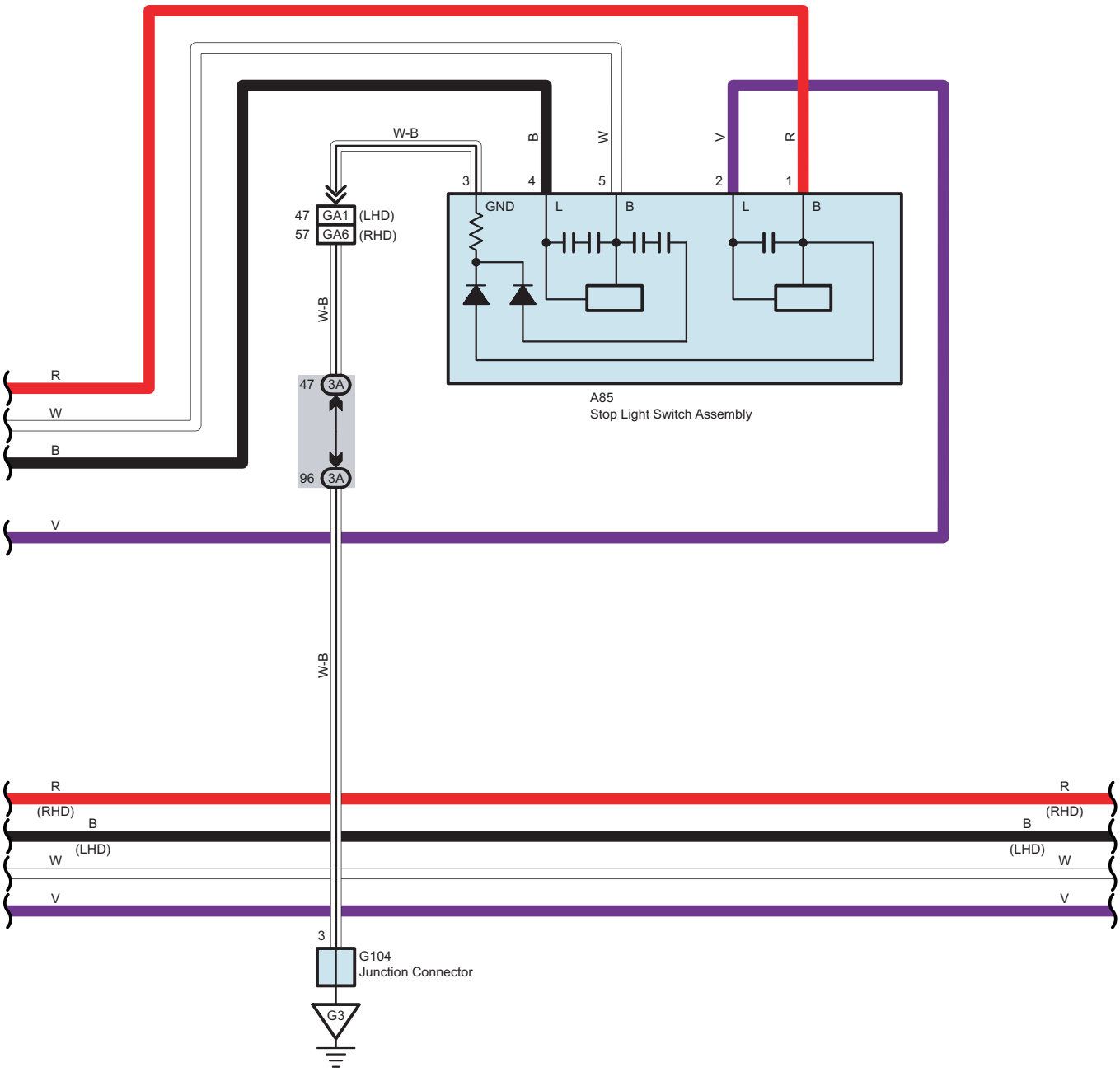

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
(IG)
10A
ECU-IG
NO.1
(IG)
7.5A
IG1
(BAT)
50A
ABS
NO.1
(BAT)
30A
ABS
NO.2
(IG)
10A
IGN
A66
Junction Connector
A65
Junction Connector
A47(A),A48(B)
Short Connector
IG1
BZ
A12
Skid Control Buzzer
Assembly
A47(A),A48(B)
Short Connector
A65
Junction Connector
IG1
BZ
+BM1
+BM2
+BS
IG2
A7(A),A8(B)
Brake Actuator Assembly
GND1
GND2
GND3
FL-
FL+
FR-
FR+
RL-
RL+
RR-
RR+
A47(A),A48(B)
Short Connector
GA1 (LHD)
GA6 (RHD)
G104
Junction Connector
Speed Sensors
A2
A1
G3

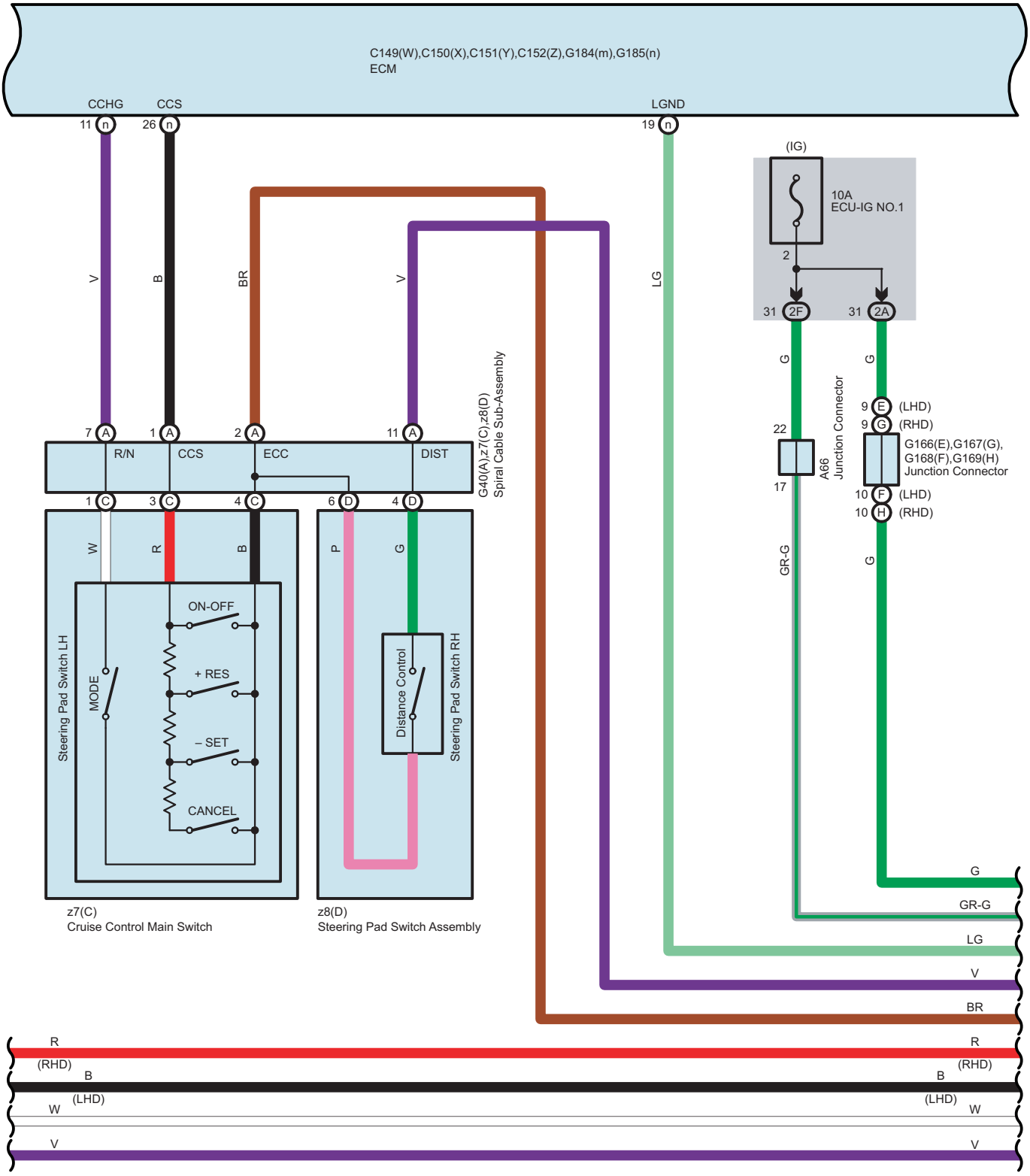

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
V
LG
R
L
L
3 AQ1
L
L
12 XQ2
B
8 YX2 (*4)
12 YX1 (*3)
1 YZ1
L
2
B
E
Z1
Center Stop Light Assembly
1
W-B
2 YZ1
W-B
1 YX2 (*4)
7 YX1 (*3)
W-B
W-B
7 A STP
16 A STPO
42 A EXO
45 A STP2
A7(A),A8(B)
Brake Actuator Assembly
SP1
CANH
CANL
12 A
11 A
25 A
V
B (LHD)
R (RHD)
W
65 GA6 (RHD)
16 GA6 (LHD)
R (RHD)
B (LHD)
W
V
V
X1
*3 :w/ Glass Hatch Opener
*4 :w/o Glass Hatch Opener

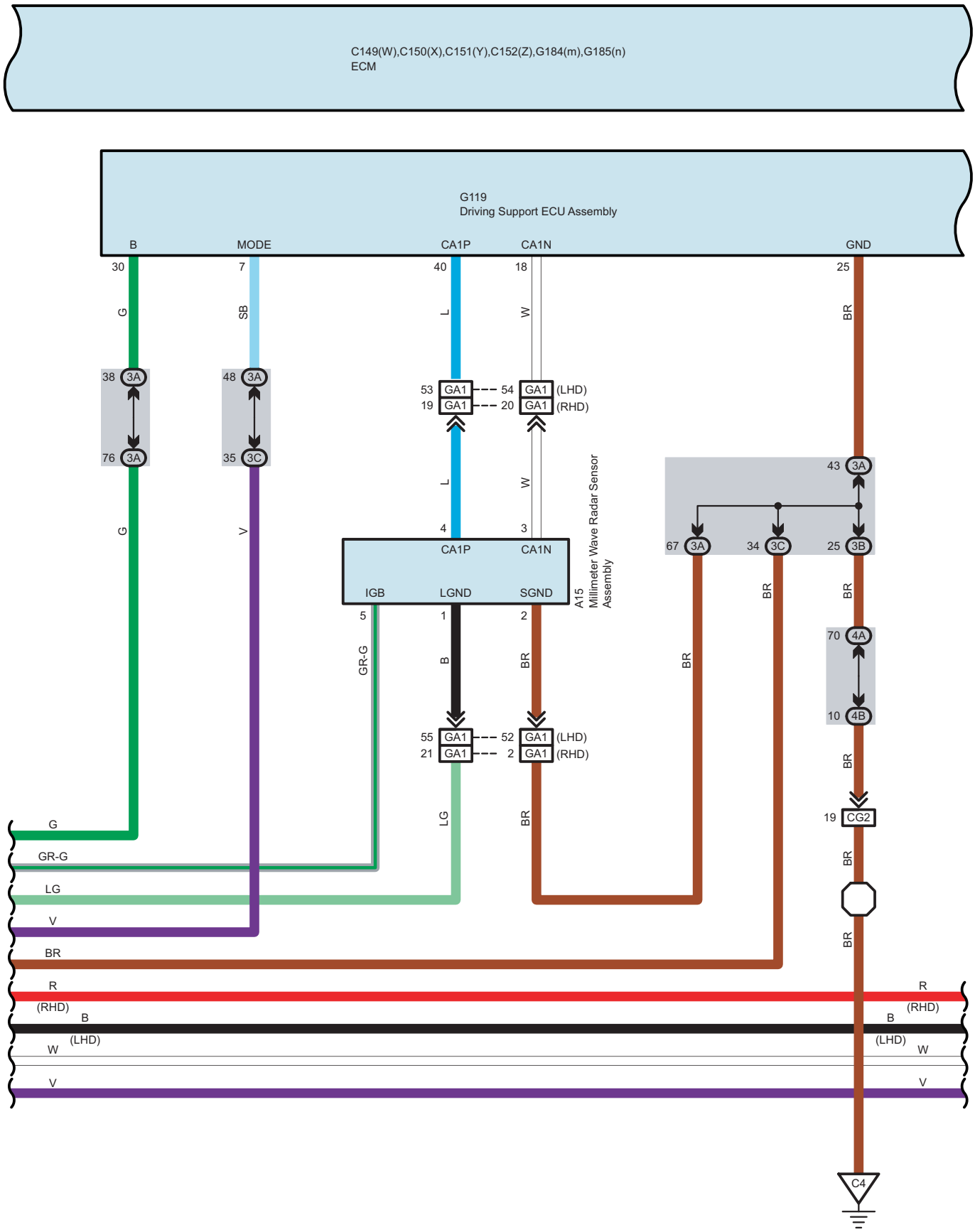

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
V
LG
R
L
L
R27(A)
Junction Connector
12 A
13 A
11 A
2 AR1
A66
Junction Connector
A68
Junction Connector
R21
Rear Combination Light Assembly RH
R22
Rear Combination Light Assembly LH
STP
Tail/
Stop
E
W-B
R28(B)
Junction Connector
OUT
ESSI
ACC
STP
+B
IC
GND
A54
Stop Light Control Relay Assembly
(RHD)
(LHD)
B
W
R31
Junction Connector
R2
A2

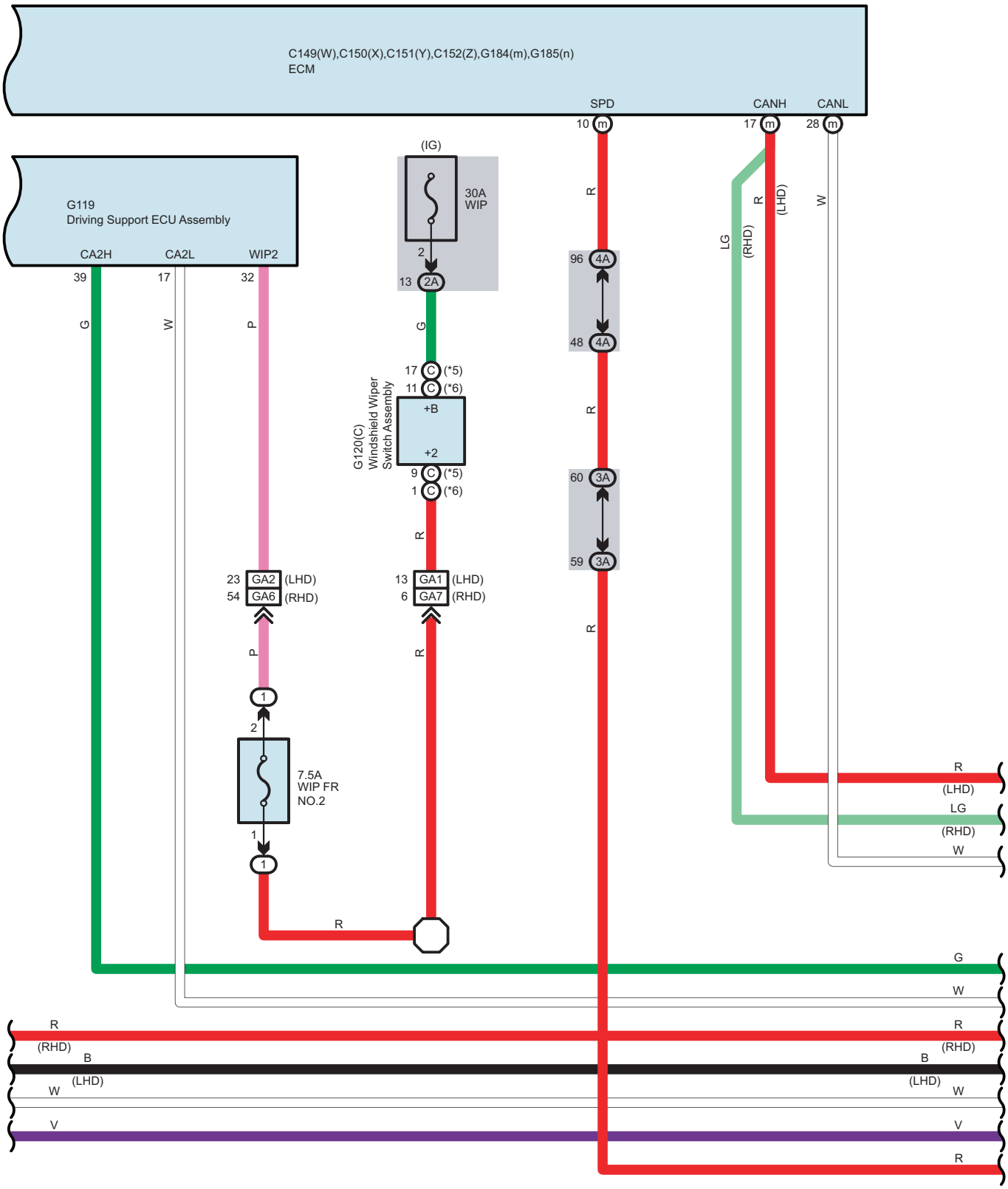

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
ST1-
IGSW
STP
12
18
13
(IG)
(BAT)
10A
IGN
10A
STOP
2
51
2A
26
2F
1
93
4A
46
4A
58
3A
70
3B
A59
Diode (Stop Light)
A65
Junction
Connector
26
GA1
90
54
78
77
3A
39
GA2
(LHD)
6
GA2
(RHD)
15
5
6
7
9
8
10
A65
Junction Connector
V
R
B
W
(RHD)
(LHD)

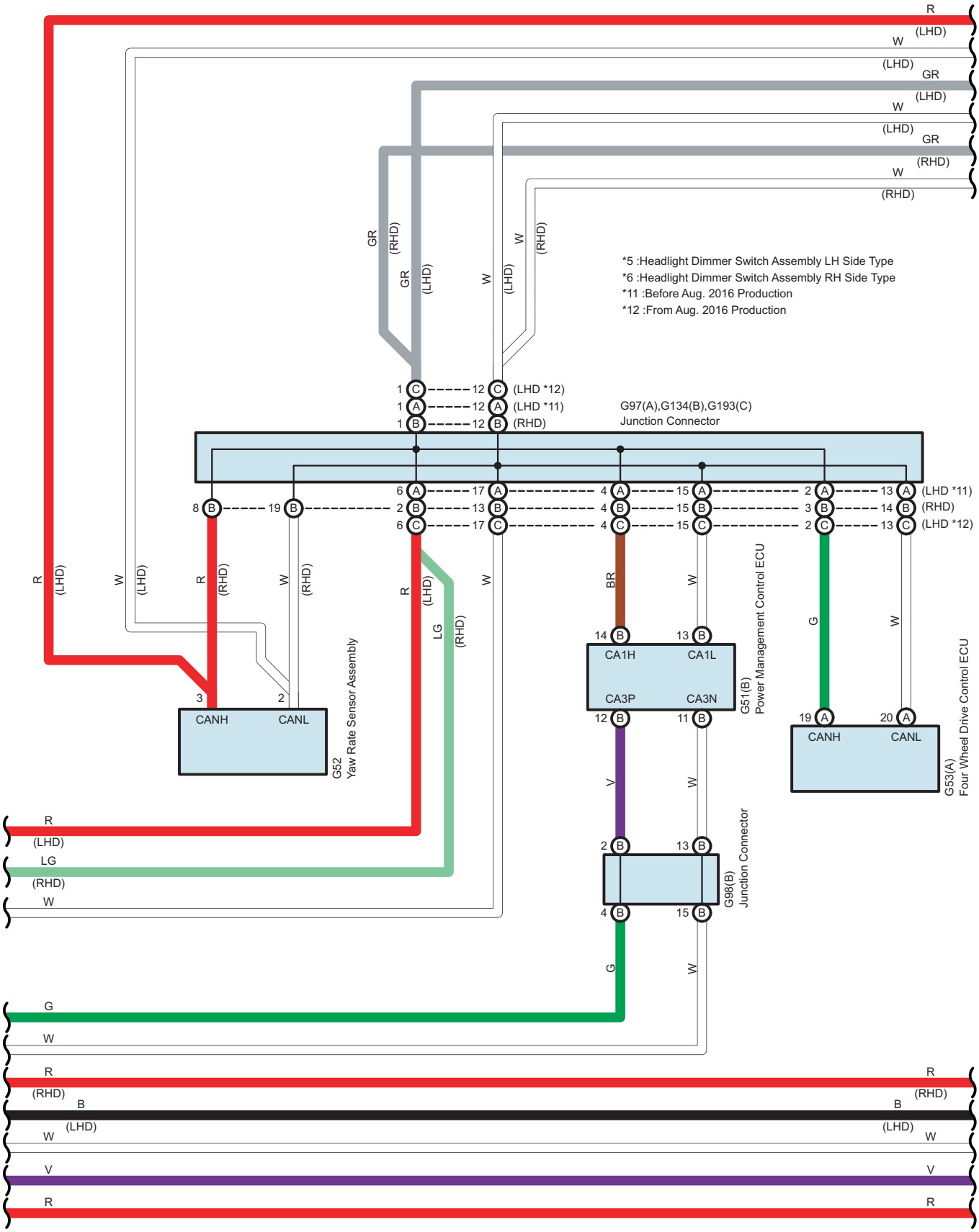
C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM

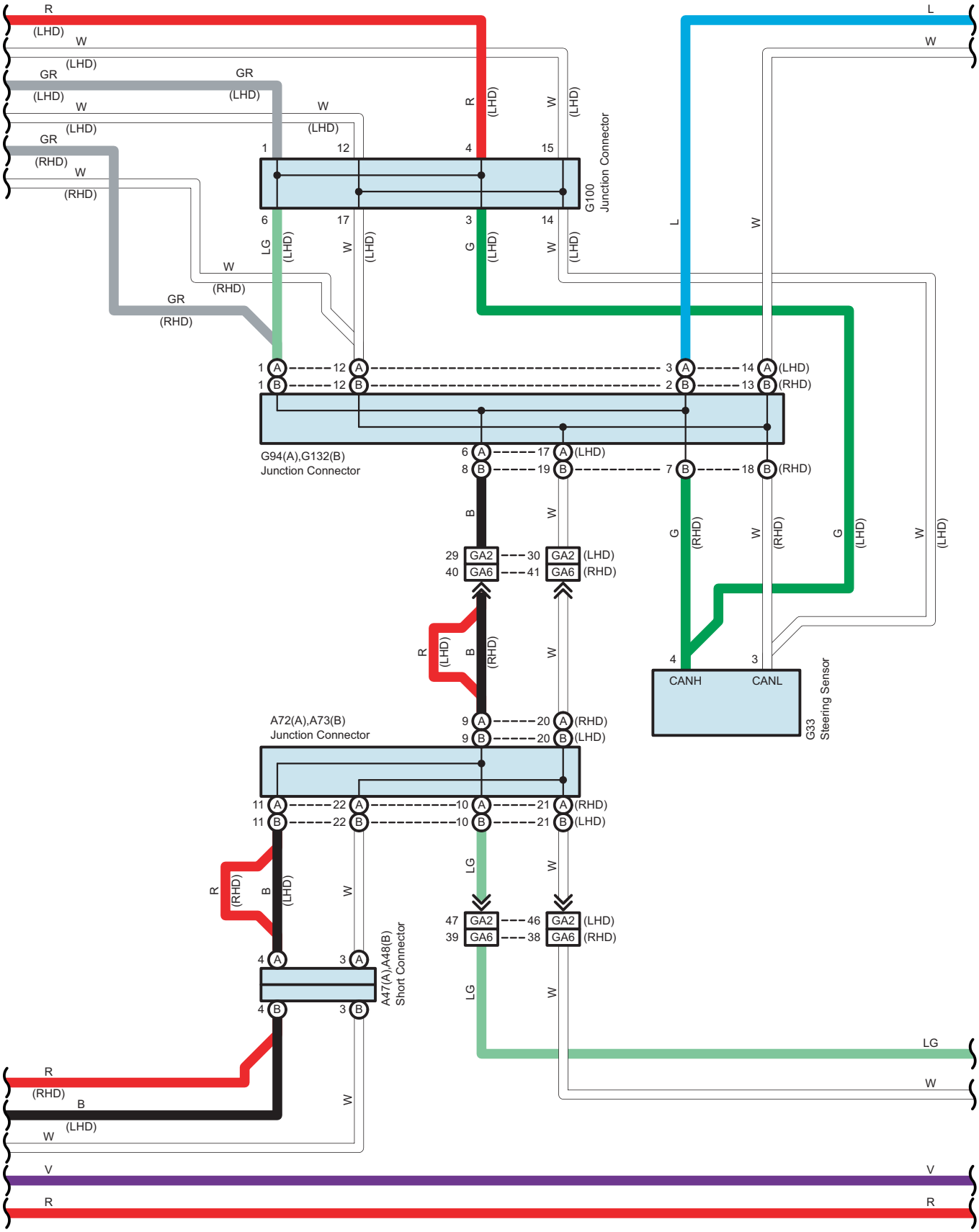


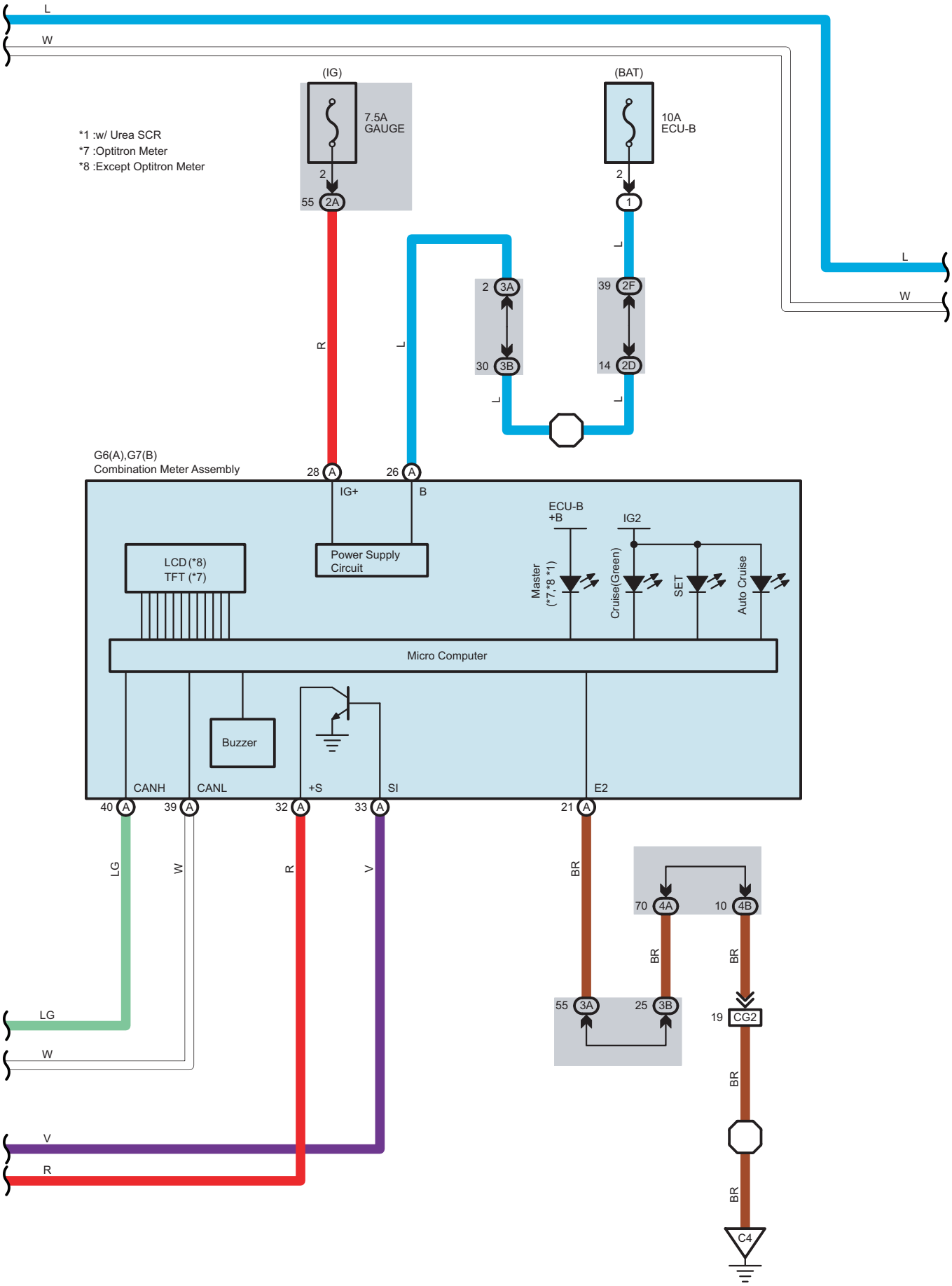

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
CCHG
CCS
LGND
11 n
26 n
19 n
(IG)
10A
ECU-IG NO.1
2
31 2F
31 2A
V
B
BR
V
LG
G
G
7 A
1 A
2 A
11 A
R/N
CCS
ECC
DIST
G40(A),z7(C),z8(D)
Spiral Cable Sub-Assembly
22
A66
Junction Connector
17
9 E (LHD)
9 G (RHD)
G166(E),G167(G),
G168(F),G169(H)
Junction Connector
10 F (LHD)
10 H (RHD)
1 C
3 C
4 C
6 D
4 D
W
R
B
P
G
GR-G
G
ON-OFF
+ RES
– SET
CANCEL
MODE
Steering Pad Switch LH
Distance Control
Steering Pad Switch RH
z7(C)
Cruise Control Main Switch
z8(D)
Steering Pad Switch Assembly
G
GR-G
LG
V
BR
R
(RHD)
B
(LHD)
W
V
R
(RHD)
B
(LHD)
W
V

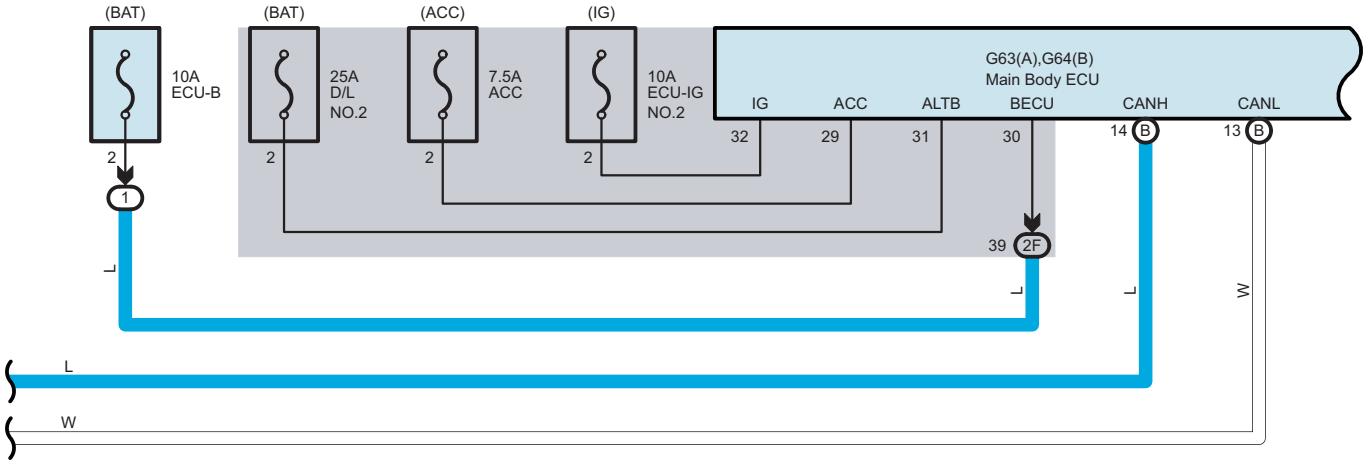

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
G119
Driving Support ECU Assembly
B
MODE
CA1P
CA1N
GND
30
7
40
18
25
G
SB
L
W
BR
38 3A
48 3A
53 GA1
19 GA1
54 GA1 (LHD)
20 GA1 (RHD)
76 3A
35 3C
43 3A
67 3A
34 3C
25 3B
4
3
CA1P
CA1N
IGB
LGND
SGND
A15
Millimeter Wave Radar Sensor
Assembly
5
1
2
GR-G
B
BR
70 4A
10 4B
55 GA1
21 GA1
52 GA1 (LHD)
2 GA1 (RHD)
LG
19 CG2
G
GR-G
LG
V
BR
R
(RHD)
B
(LHD)
W
V
C4

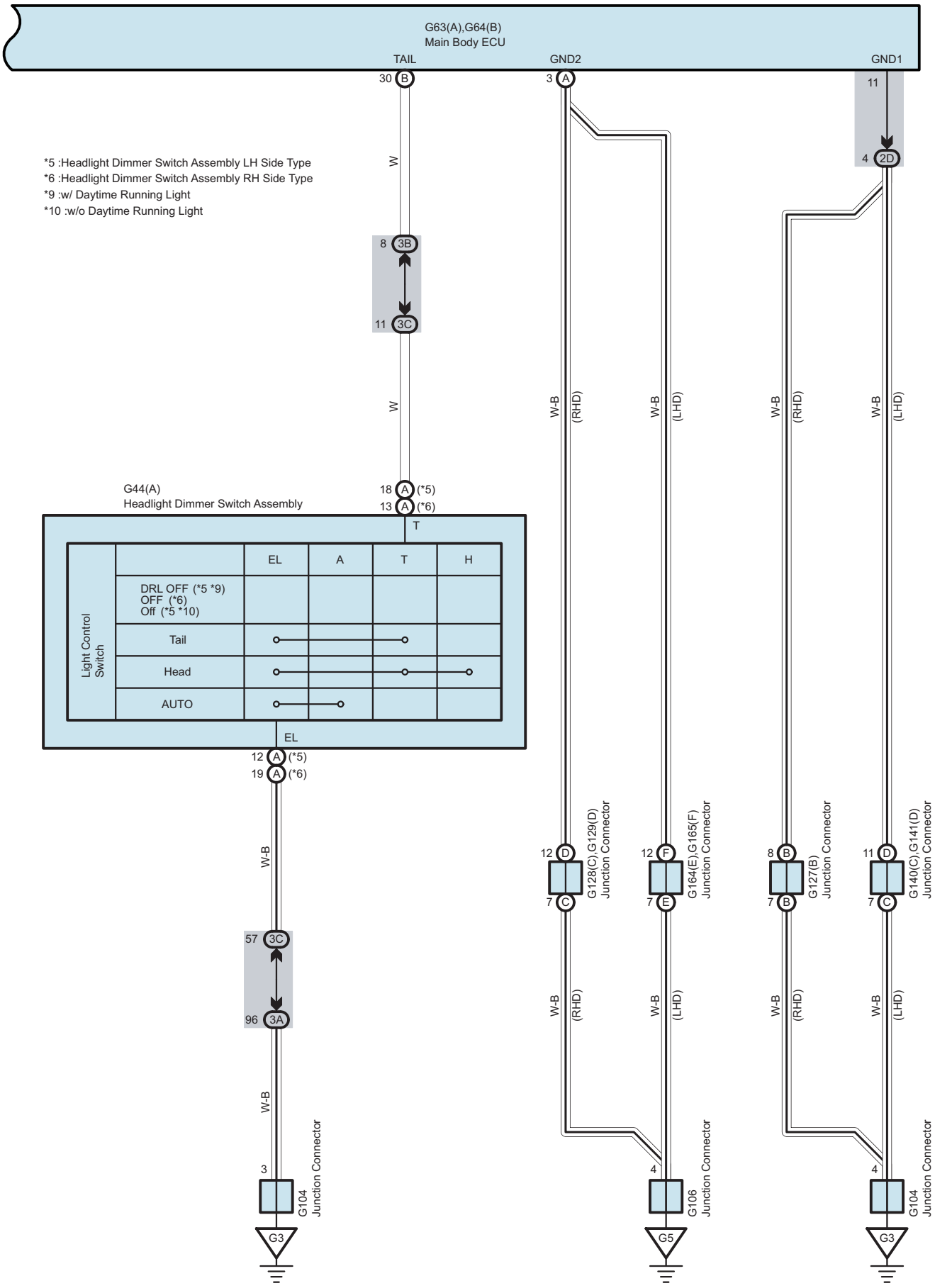

C149(W),C150(X),C151(Y),C152(Z),G184(m),G185(n)
ECM
SPD
CANH
CANL
10 m
17 m
28 m
(IG)
30A
WIP
2
13 2A
G119
Driving Support ECU Assembly
CA2H
CA2L
WIP2
39
17
32
G
W
P
R
96 4A
48 4A
R
60 3A
59 3A
R
LG
(RHD)
R
(LHD)
W
17 C (*5)
11 C (*6)
+B
+2
9 C (*5)
1 C (*6)
G120(C)
Windshield Wiper
Switch Assembly
R
23 GA2 (LHD)
54 GA6 (RHD)
13 GA1 (LHD)
6 GA7 (RHD)
P
R
1
2
7.5A
WIP FR
NO.2
1
1
R
R
(LHD)
LG
(RHD)
W
G
W
R
(RHD)
B
(LHD)
W
V
R
R
(RHD)
B
(LHD)
W
V
R


R (LHD)
W (LHD)
GR (LHD)
W (LHD)
GR (RHD)
W (RHD)
GR (RHD)
GR (LHD)
W (LHD)
W (RHD)
*5 :Headlight Dimmer Switch Assembly LH Side Type
*6 :Headlight Dimmer Switch Assembly RH Side Type
*11 :Before Aug. 2016 Production
*12 :From Aug. 2016 Production
1 C 12 C (LHD *12)
1 A 12 A (LHD *11)
1 B 12 B (RHD)
G97(A),G134(B),G193(C)
Junction Connector
6 A 17 A 4 A 15 A 2 A 13 A (LHD *11)
8 B 19 B 2 B 13 B 4 B 15 B 3 B 14 B (RHD)
6 C 17 C 4 C 15 C 2 C 13 C (LHD *12)
R (LHD)
W (LHD)
R (RHD)
W (RHD)
R (LHD)
W
BR
W
G
W
LG (RHD)
3 CANH
2 CANL
G52
Yaw Rate Sensor Assembly
14 B CA1H
13 B CA1L
12 B CA3P
11 B CA3N
G51(B)
Power Management Control ECU
19 A CANH
20 A CANL
G53(A)
Four Wheel Drive Control ECU
R (LHD)
LG (RHD)
W
V
W
2 B 13 B
4 B 15 B
G98(B)
Junction Connector
G
W
R (RHD)
B (LHD)
W
V
R
R (RHD)
B (LHD)
W
V
R

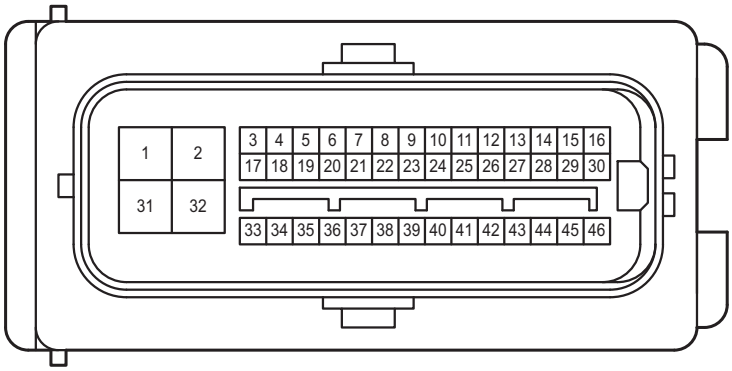

G100 Junction Connector
G94(A),G132(B) Junction Connector
A72(A),A73(B) Junction Connector
A47(A),A48(B) Short Connector
G33 Steering Sensor
CANH
CANL
GA2
GA6
(LHD)
(RHD)


*1 :w/ Urea SCR
*7 :Optitron Meter
*8 :Except Optitron Meter
(IG)
7.5A
GAUGE
(BAT)
10A
ECU-B
G6(A),G7(B)
Combination Meter Assembly
IG+
B
Power Supply
Circuit
LCD (*8)
TFT (*7)
ECU-B
+B
IG2
Master
(*7,*8 *1)
Cruise(Green)
SET
Auto Cruise
Micro Computer
Buzzer
CANH
CANL
+S
SI
E2
LG
W
R
V
BR
L
CG2
C4


(BAT)
10A
ECU-B
2
1
(BAT)
25A
D/L
NO.2
2
(ACC)
7.5A
ACC
2
(IG)
10A
ECU-IG
NO.2
2
G63(A),G64(B)
Main Body ECU
IG
ACC
ALTB
BECU
CANH
CANL
32
29
31
30
14 B
13 B
39 2F
L
L
L
W
L
W

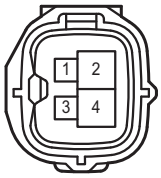

G63(A),G64(B)
Main Body ECU
TAIL
GND2
GND1
30 B
3 A
11
4 2D
*5 :Headlight Dimmer Switch Assembly LH Side Type
*6 :Headlight Dimmer Switch Assembly RH Side Type
*9 :w/ Daytime Running Light
*10 :w/o Daytime Running Light
W
8 3B
11 3C
W
W-B
(RHD)
W-B
(LHD)
W-B
(RHD)
W-B
(LHD)
G44(A)
Headlight Dimmer Switch Assembly
18 A (*5)
13 A (*6)
T
EL
A
T
H
Light Control Switch
DRL OFF (*5 *9)
OFF (*6)
Off (*5 *10)
Tail
Head
AUTO
EL
12 A (*5)
19 A (*6)
W-B
57 3C
96 3A
W-B
3
G104
Junction Connector
G3
12 D
7 C
G128(C),G129(D)
Junction Connector
12 F
7 E
G164(E),G165(F)
Junction Connector
8 B
7 B
G127(B)
Junction Connector
11 D
7 C
G140(C),G141(D)
Junction Connector
W-B
(RHD)
W-B
(LHD)
W-B
(RHD)
W-B
(LHD)
4
G106
Junction Connector
G5
4
G104
Junction Connector
G3

A7
Black



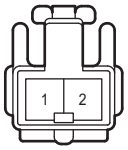
90980-12297

A8
Black



90980-12294

A12
Blue



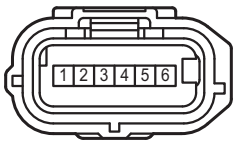
90980-10860

A15
Black



90980-12292

A19
Black



90980-12303

A47
Gray



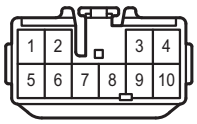
90980-10945

A48
Gray



90980-10946

A54
Black



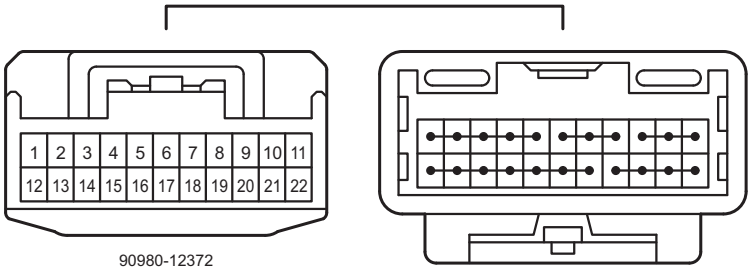
90980-10997

A59
Black



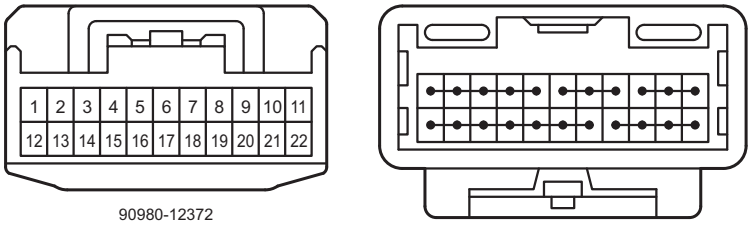
90980-10962

A65
White



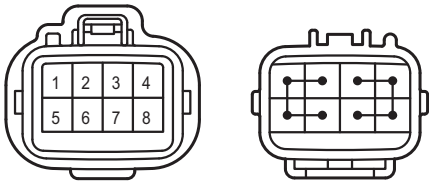
90980-12372

A66
White



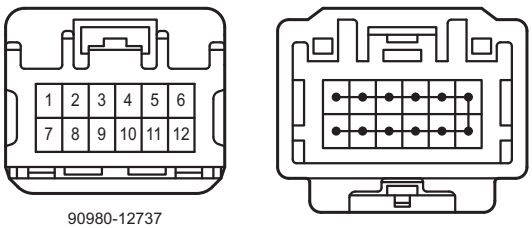
90980-12372

A68
Dark Gray



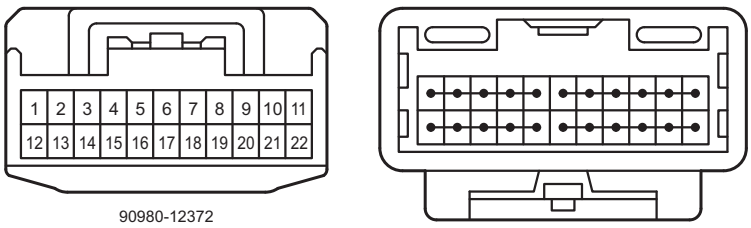
90980-10891

A70
White



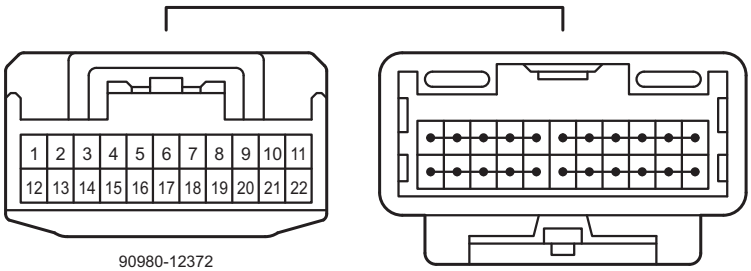
90980-12737

A72
White



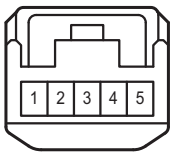
90980-12372

A73
White



90980-12372

A85
White



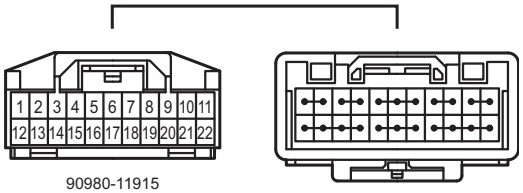
90980-12366

C24
Black (1GR-FE 2TR-FE 1KD-FTV ,1GD-FTV Before Jun. 2018 Production ,1GD-FTV w/o Urea SCR From Jun. 2018 Production) / White (1GD-FTV w/ Urea SCR From Jun. 2018 Production)



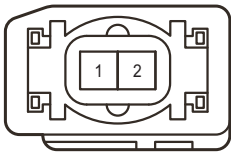
90980-10735

C49
Blue



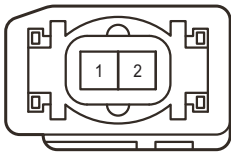
90980-11915

C115
Black



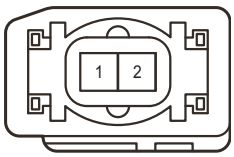
90980-12747

C116
Gray



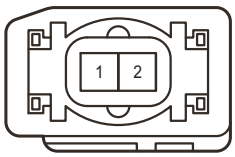
90980-12747

C117
Black



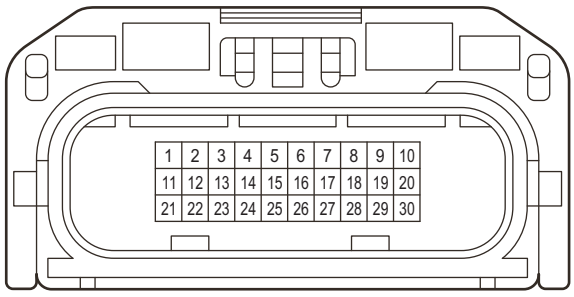
90980-12747

C118
Gray



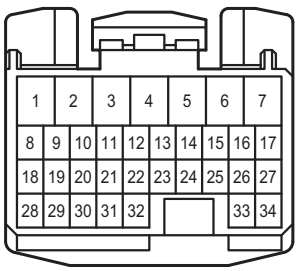
90980-12747

C146
Gray



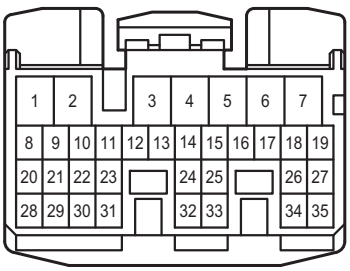
90980-12712

C149
White



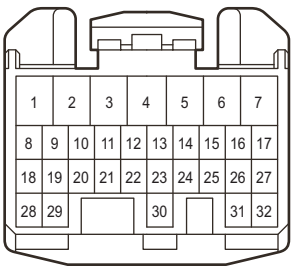
90980-12527

C150
White



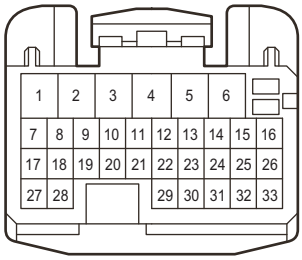
90980-12528

C151
White



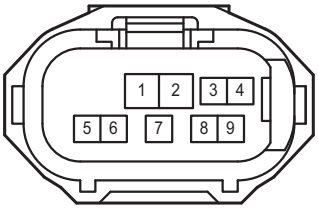
90980-12526

C152
White



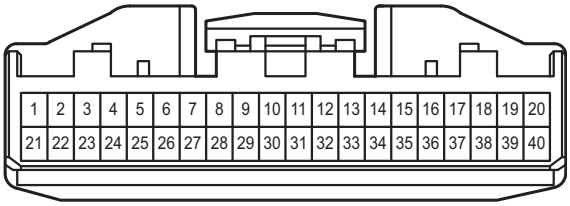
90980-12700

C159
Gray



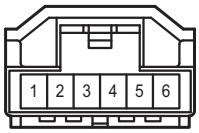
90980-12A23

G6
Black



90980-12557

G33
White



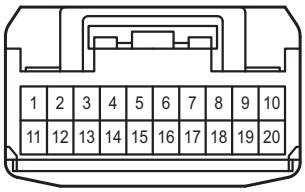
90980-11986

G40
Black



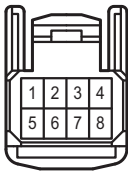
90980-12552

G44
White (Before Aug. 2017 Production) / Black (From Aug. 2017 Production)



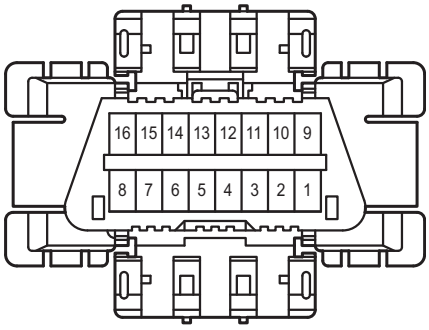
90980-12460

G47
Black



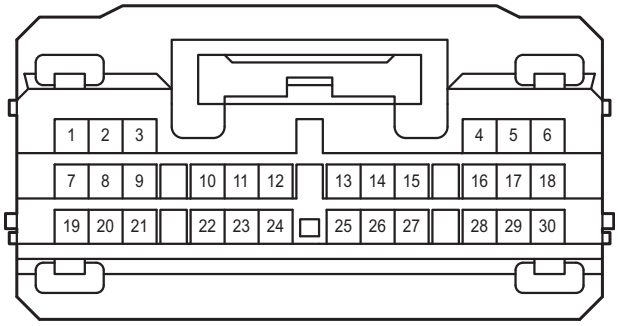
90980-12551

G48
White



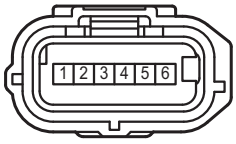
90980-11978

G51
Black



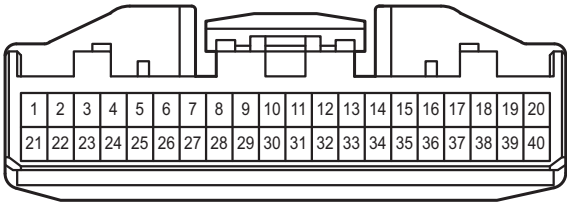
90980-12844

G52
Black



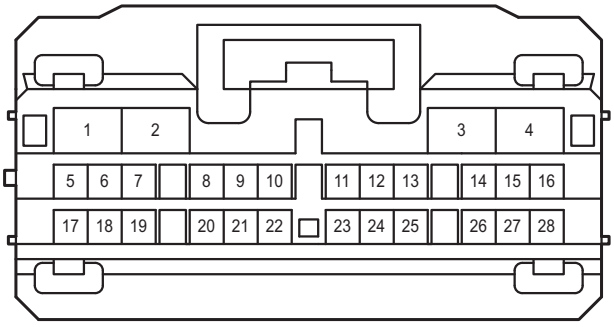
90980-12303

G53
Black



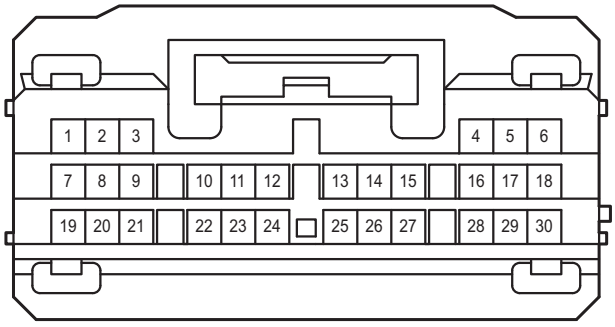
90980-12557

G63
White



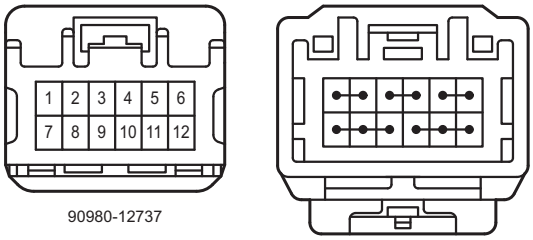
90980-12793

G64
White



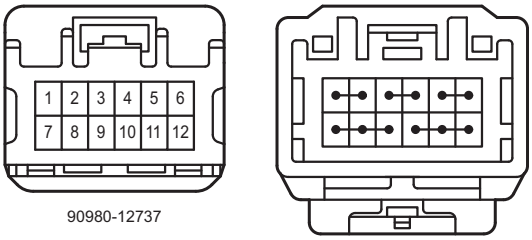
90980-12753

G85
Black



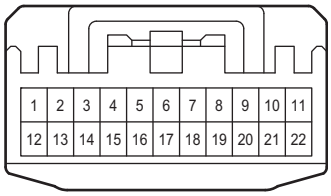
90980-12737

G86
Black



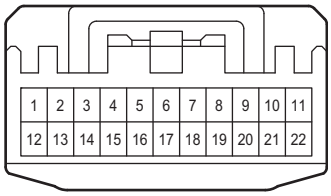
90980-12737

G94
White



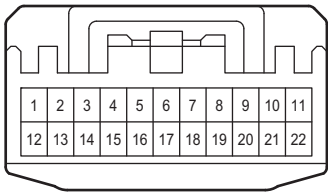
82824-30420

G97
White



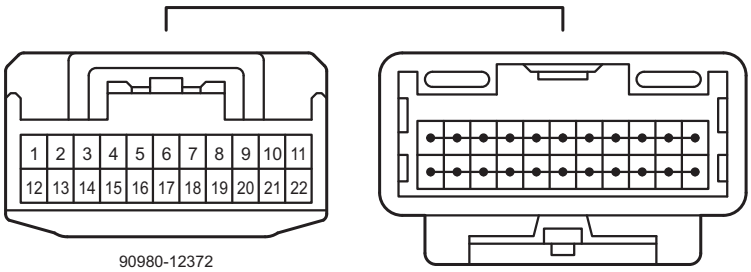
82824-30420

G98
White



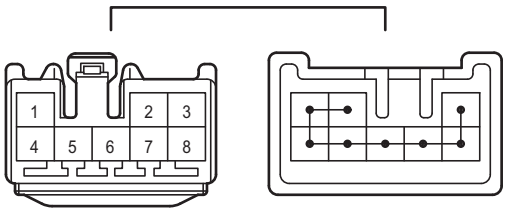
82824-30420

G100
Gray



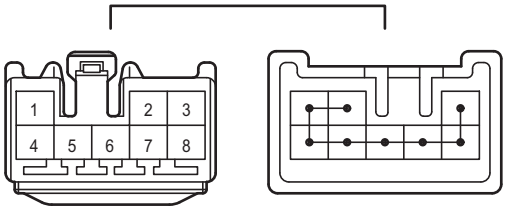
90980-12372

G104
White (Before Aug. 2017 Production) / Gray (From Aug. 2017 Production)



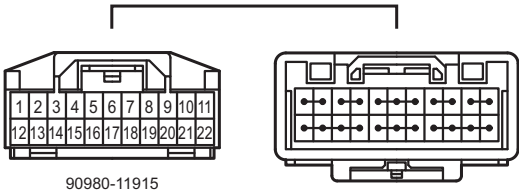
90980-11686

G106
White (Before Aug. 2017 Production) / Gray (From Aug. 2017 Production)



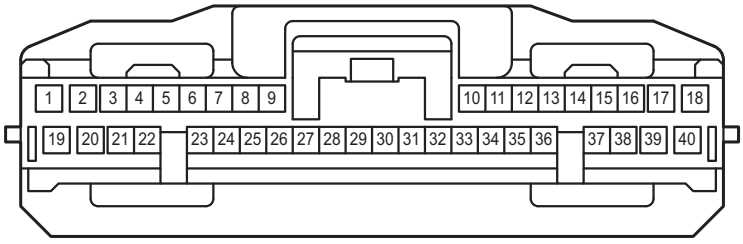
90980-11686

G107
Blue



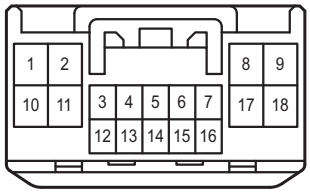
90980-11915

G119
White



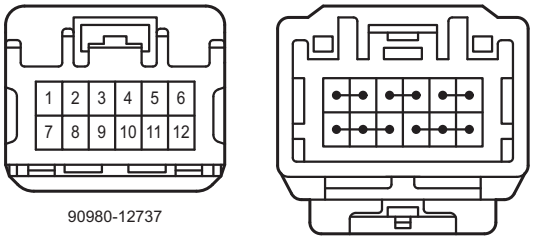
90980-12708

G120
White



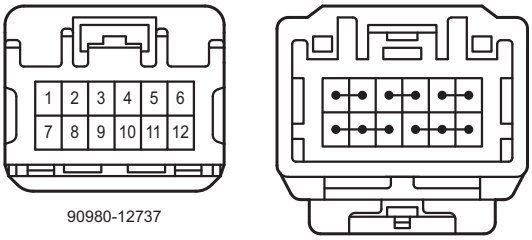
90980-12376

G127
Black



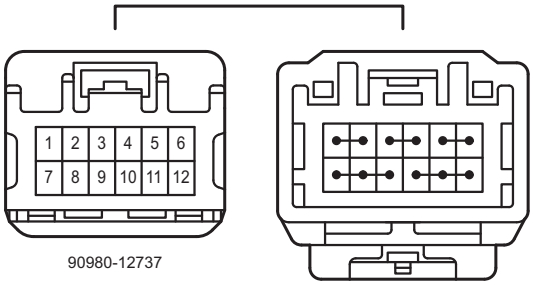
90980-12737

G128
Black



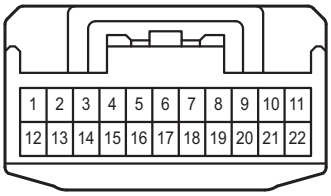
90980-12737

G129
Black



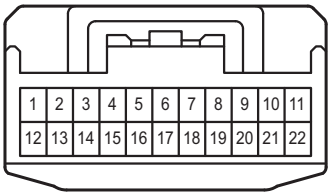
90980-12737

G132
Gray



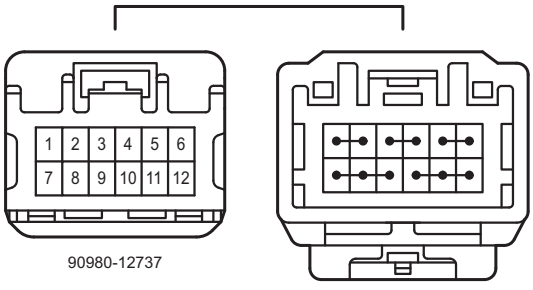
90980-12372

G134
Gray



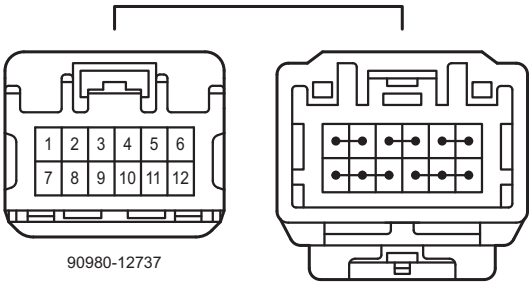
90980-12372

G140
Black



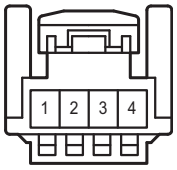
90980-12737

G141
Black



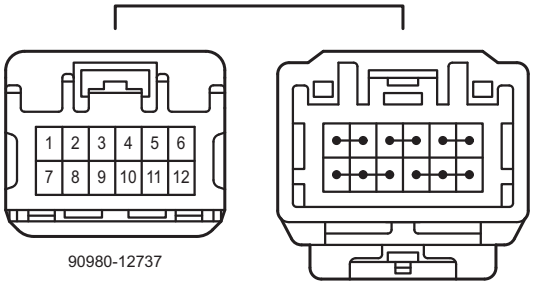
90980-12737

G159
Gray



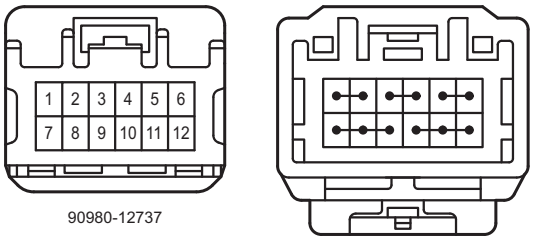
90980-12876

G164
Black



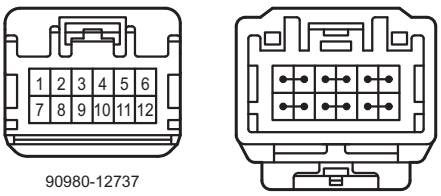
90980-12737

G165
Black



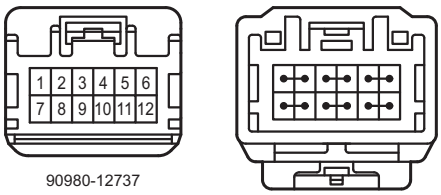
90980-12737

G166
Blue



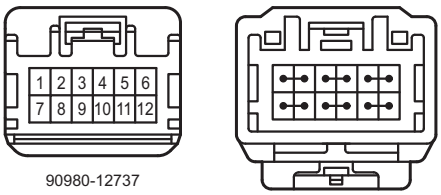
90980-12737

G167
Blue



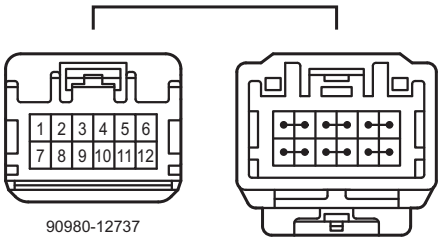
90980-12737

G168
Blue



90980-12737

G169
Blue



90980-12737

G171
Gray



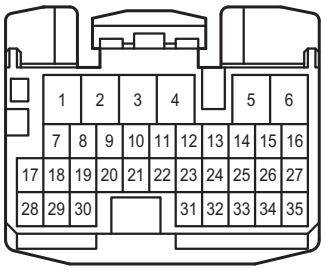
90980-11608

G172
Gray



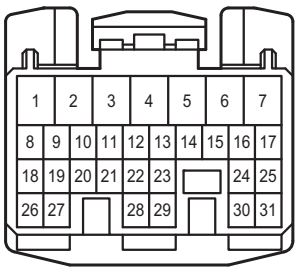
90980-11608

G184
White



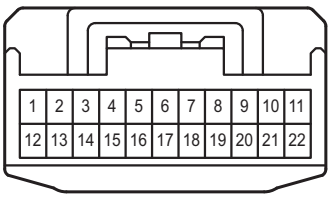
90980-12529

G185
White



90980-12525

G193
White



90980-12372

R21
Blue



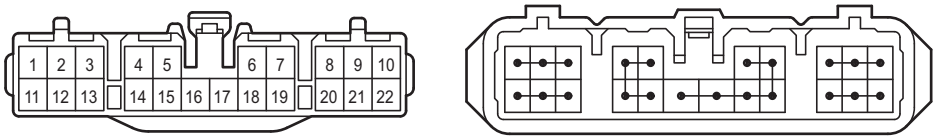
90980-11034

R22
Blue



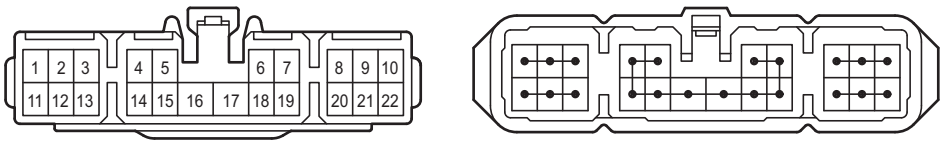
90980-11034

R27
Dark Gray



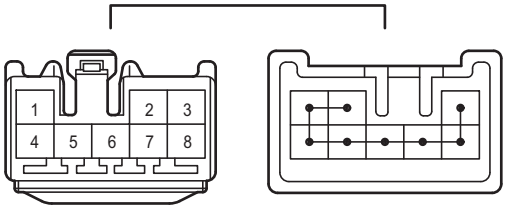
90980-11238

R28
White



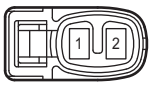
90980-10875

R31
White



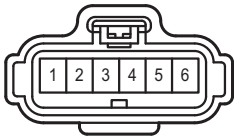
90980-11686

Z1
Gray



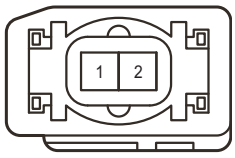
90980-11246

r5
Black



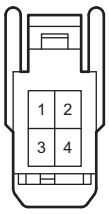
90980-11858

r9
Black (1GD-FTV w/o Water-cooled Intercooler) / Gray (1GD-FTV w/ Water-cooled Intercooler)



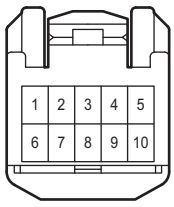
90980-12747

z7
White



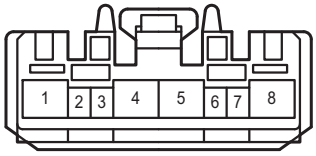
90980-12360

z8
White



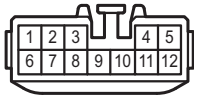
90980-12361

1B
White



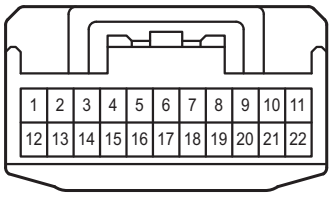
90980-12486

1J
White



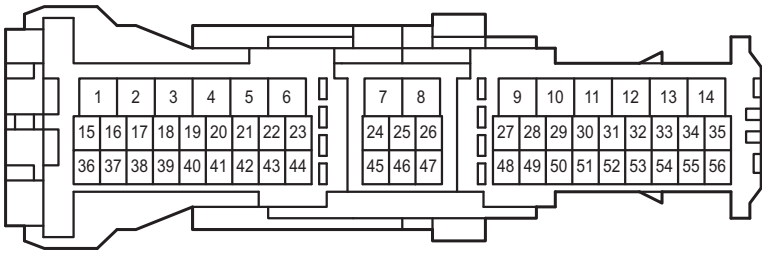
90980-10803

1K
Gray



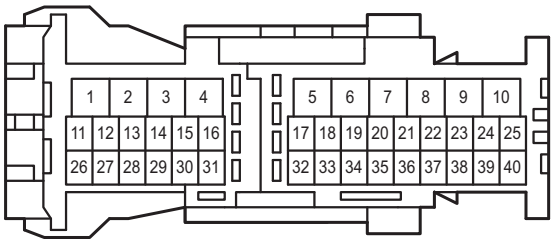
90980-12372

2A
White



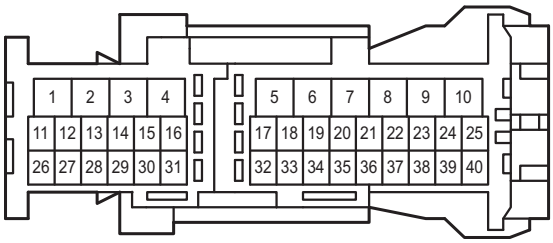
90980-12822

2D
White



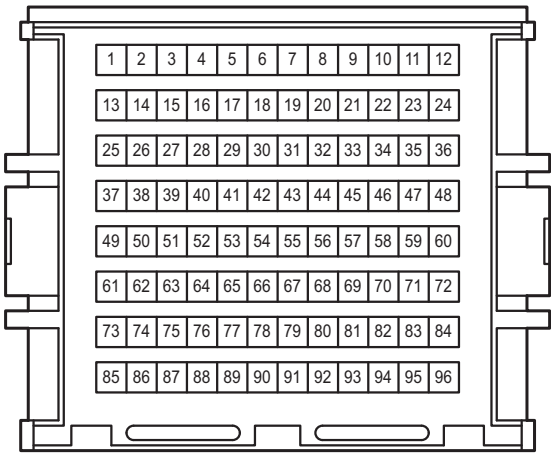
90980-12818

2F
White



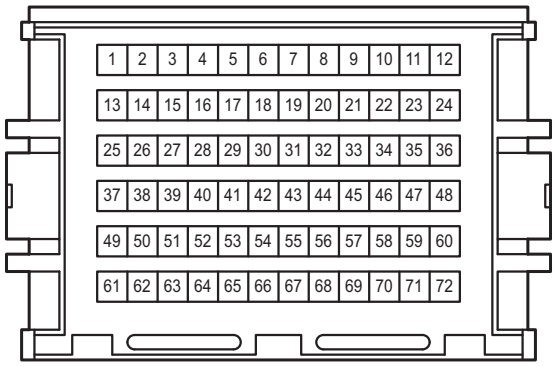
90980-12794

3A
White



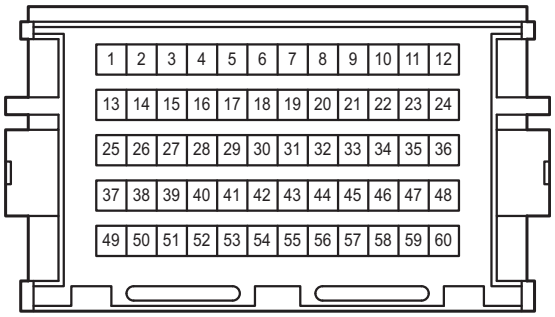
82890-12030

3B
White



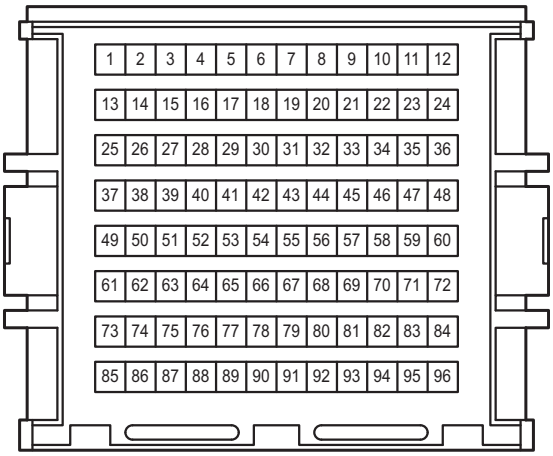
82890-42010

3C
White



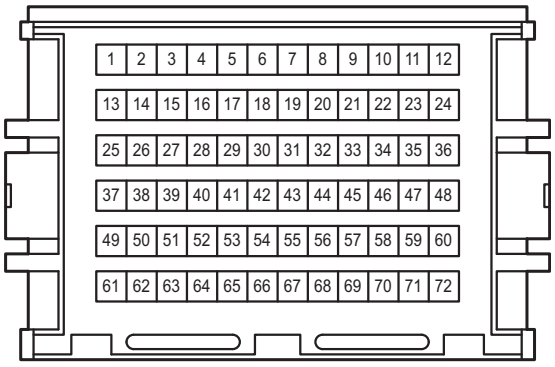
82890-12020

4A
White



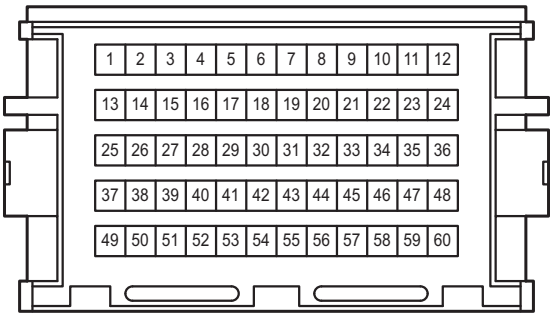
82890-12030

4B
White



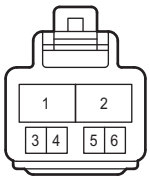
82890-42010

4C
White

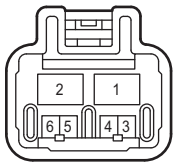


82890-12020

AQ1
White

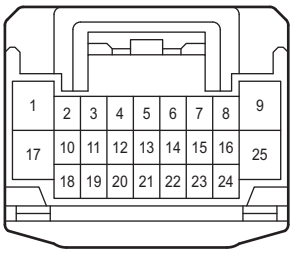


90980-10910

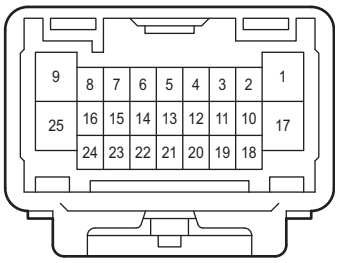


90980-10909

AR1
White

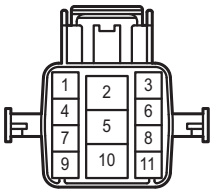


90980-12414

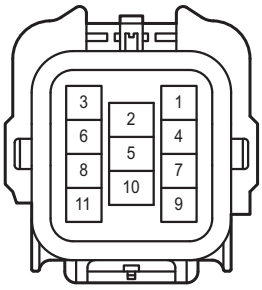


90980-12413

CA2
Black

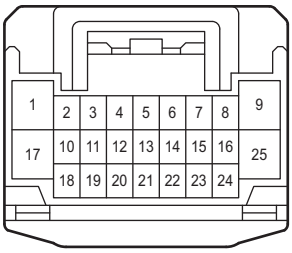


90980-11612

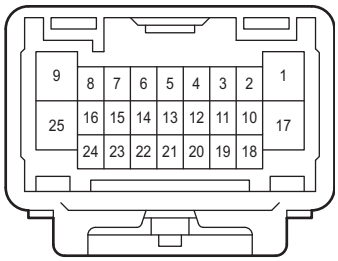


90980-11609

CG2
White

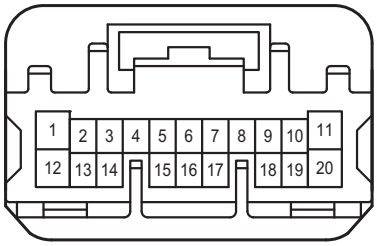


90980-12414

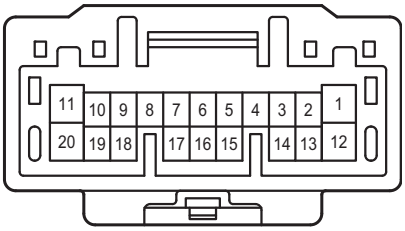


90980-12413

CG3
White



90980-12741



90980-12740

Cr2
Black



90980-11194



90980-11193

Cr6
Black

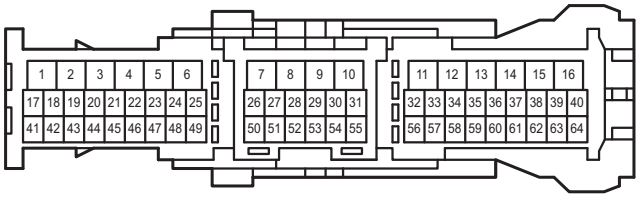


90980-11162

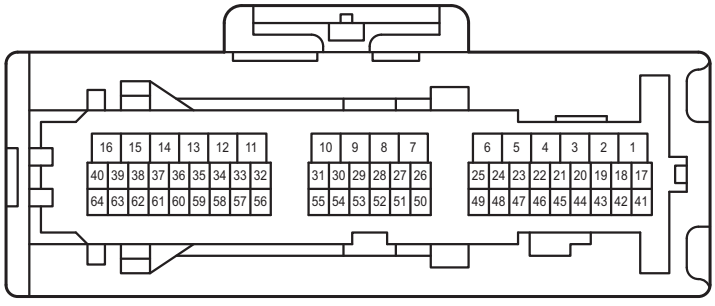


90980-11168

GA1
White

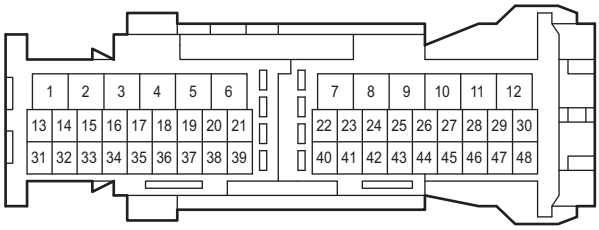


90980-12774

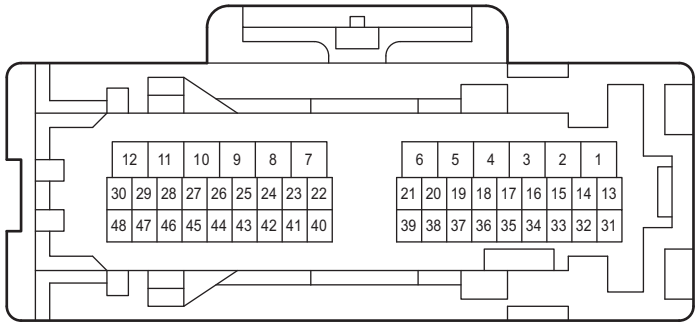


90980-12798

GA2
White

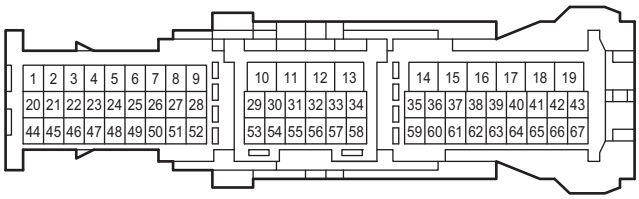


90980-12779

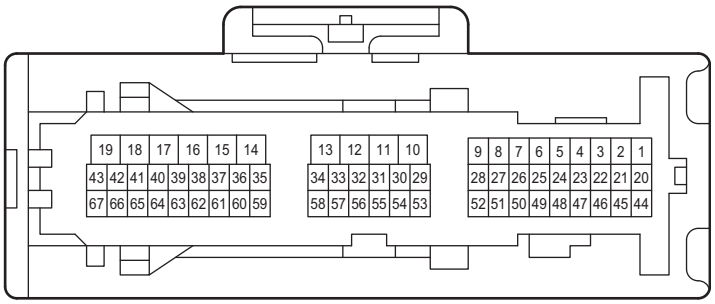


90980-12799

GA6
White

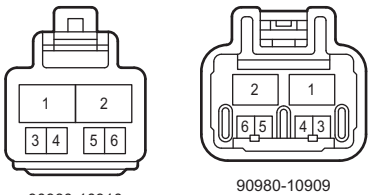


90980-12783



90980-12800

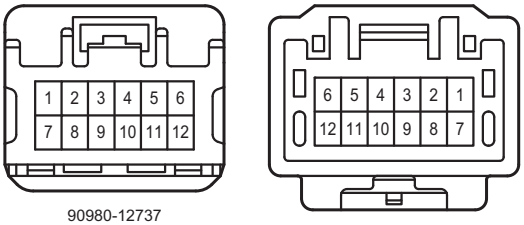
GA7
Black



90980-10910

90980-10909

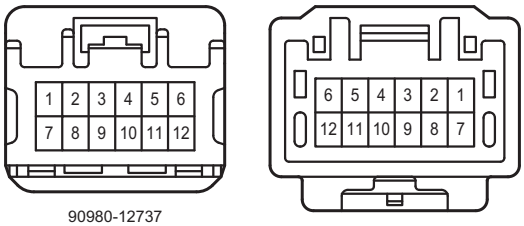
XQ2
White



90980-12737

90980-12736

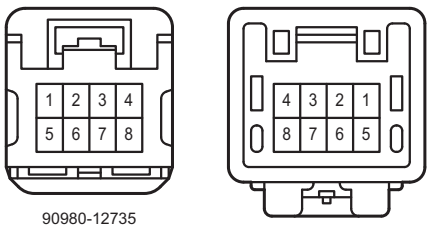
YX1
White



90980-12737

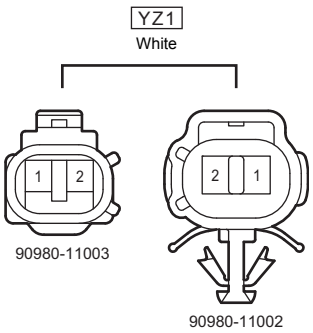
90980-12736

YX2
White



90980-12735

90980-12734


YZ1
White
1
2
2
1
90980-11003
90980-11002