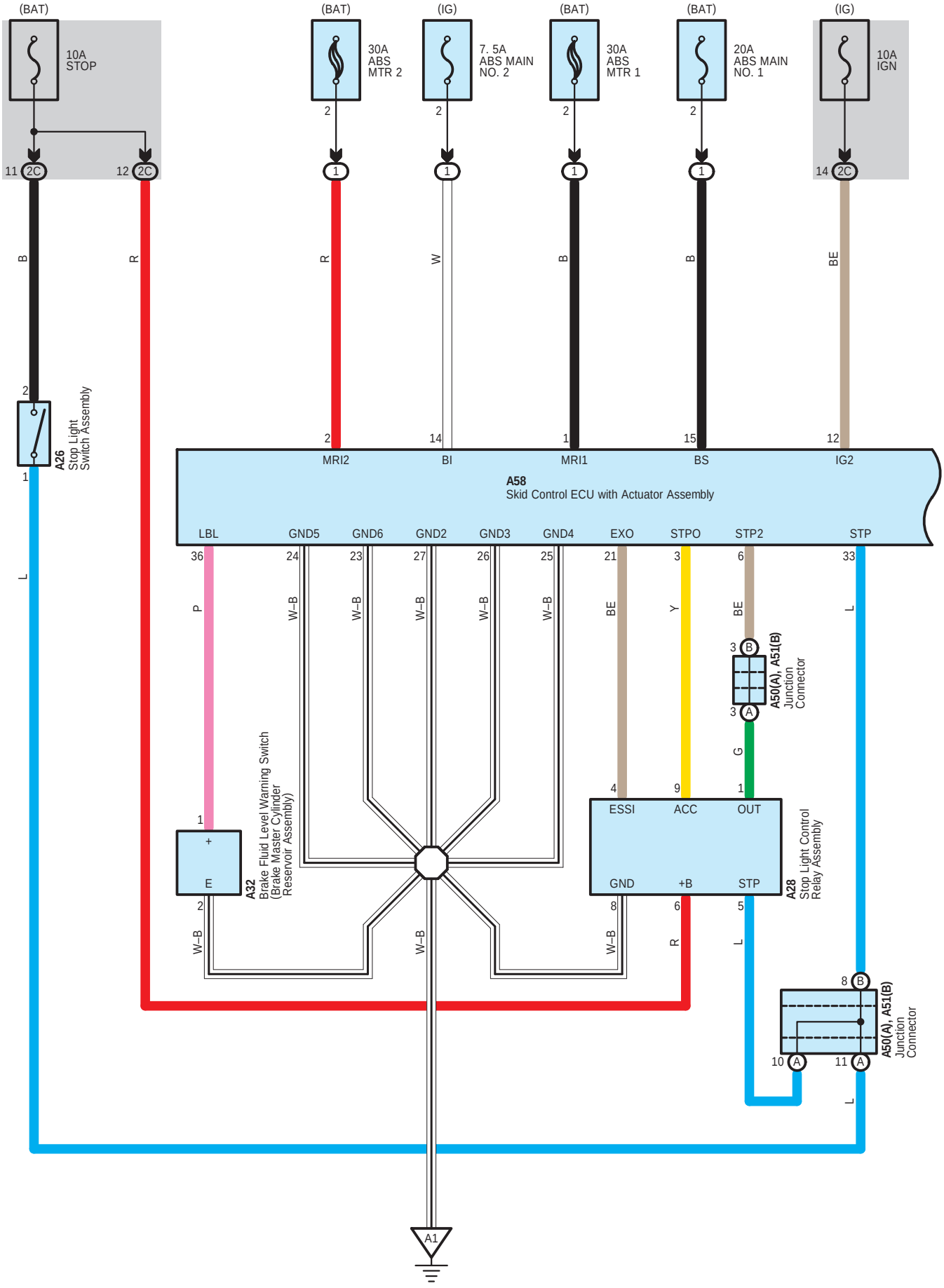
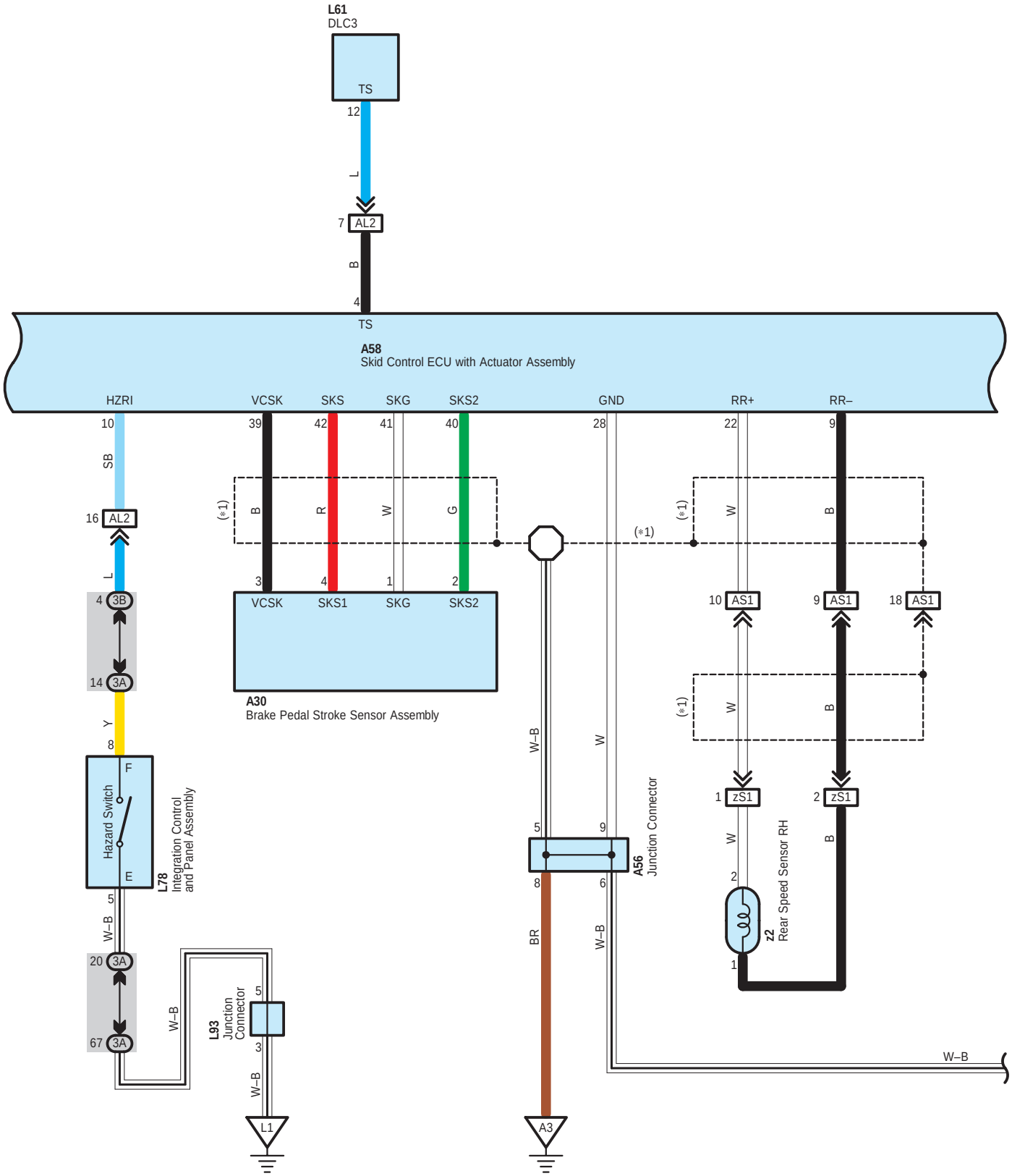
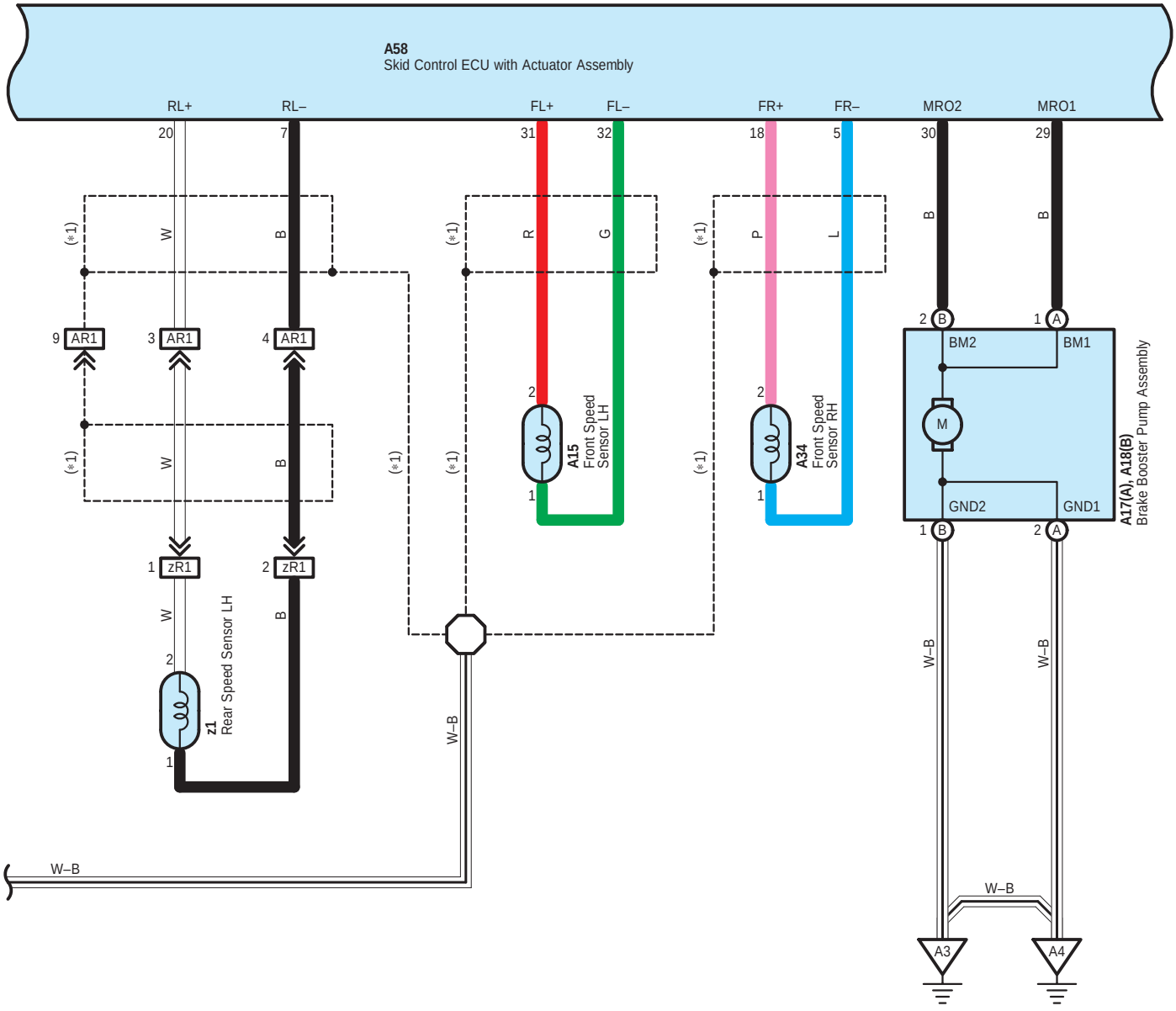
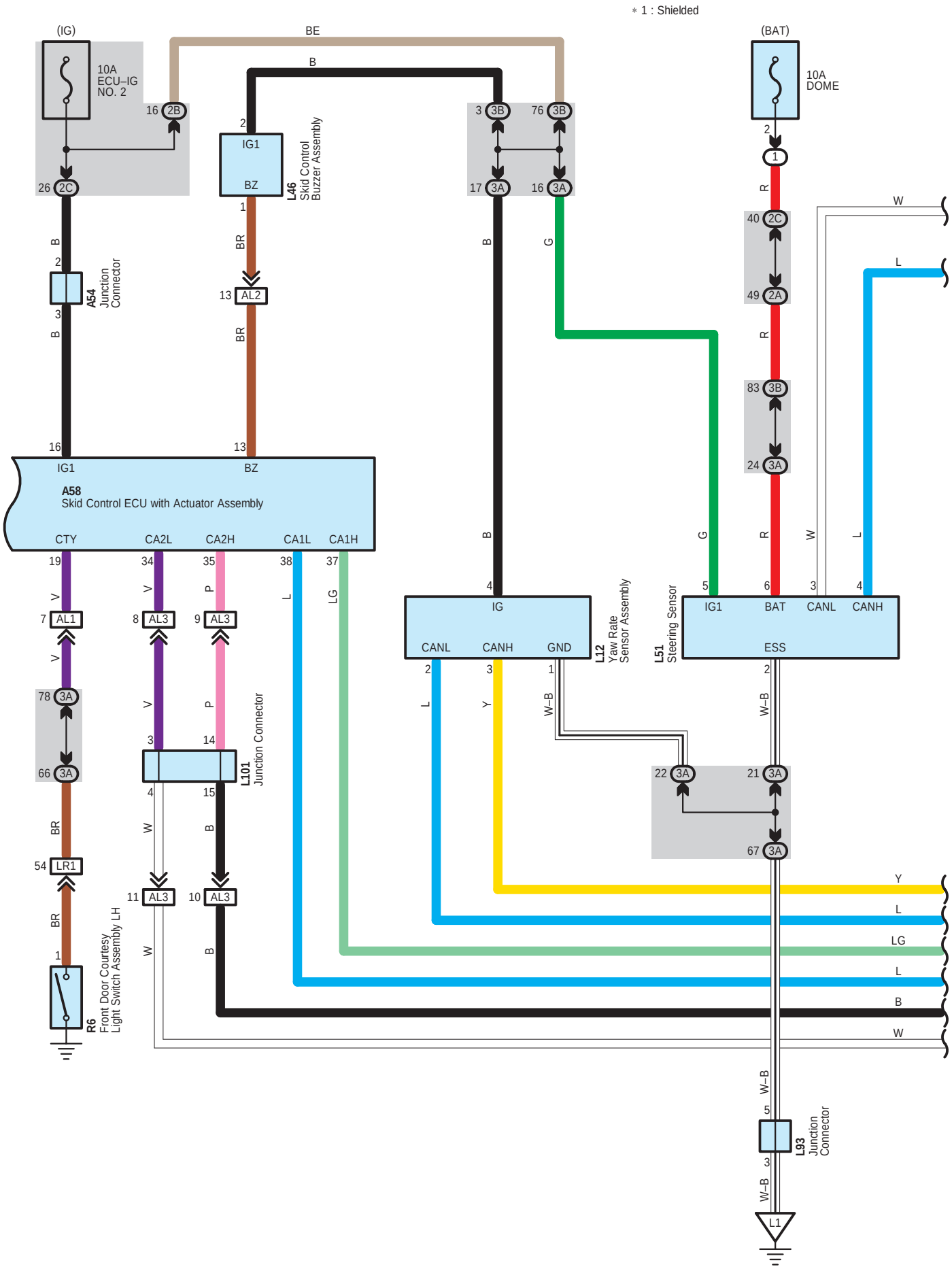
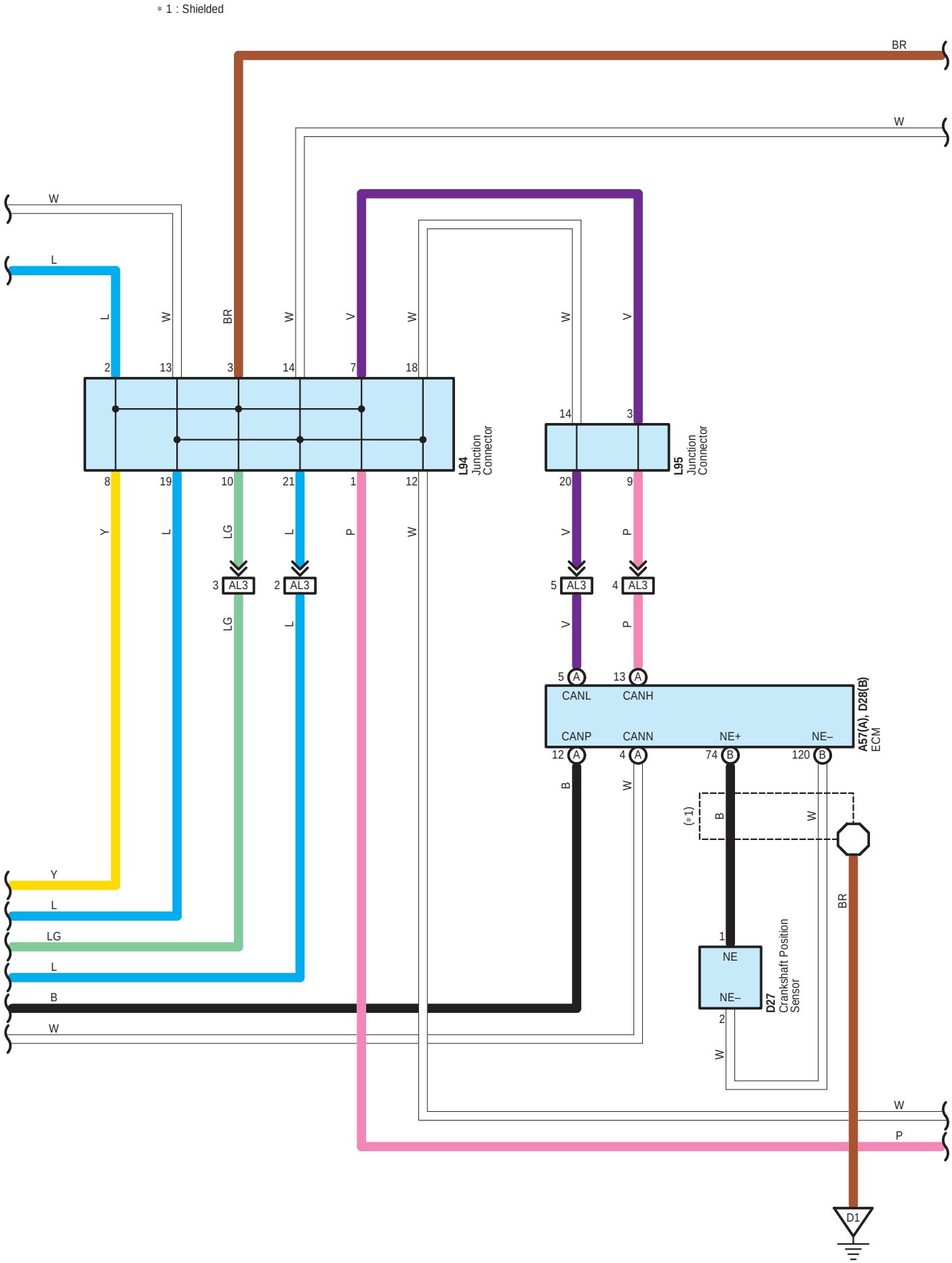

(BAT)
10A
STOP
11 2C
12 2C
B
R
2
A26
Stop Light
Switch Assembly
1
L
(BAT)
30A
ABS
MTR 2
2
1
R
2
MRI2
(IG)
7. 5A
ABS MAIN
NO. 2
2
1
W
14
BI
(BAT)
30A
ABS
MTR 1
2
1
B
1
MRI1
(BAT)
20A
ABS MAIN
NO. 1
2
1
B
15
BS
(IG)
10A
IGN
14 2C
BE
12
IG2
A58
Skid Control ECU with Actuator Assembly
LBL
GND5
GND6
GND2
GND3
GND4
EXO
STPO
STP2
STP
36
24
23
27
26
25
21
3
6
33
P
W–B
W–B
W–B
W–B
W–B
BE
Y
BE
L
3 B
3 A
A50(A), A51(B)
Junction
Connector
G
1
4
9
1
ESSI
ACC
OUT
GND
+B
STP
A28
Stop Light Control
Relay Assembly
1
+
E
A32
Brake Fluid Level Warning Switch
(Brake Master Cylinder
Reservoir Assembly)
2
8
6
5
W–B
W–B
W–B
R
L
8 B
10 A
11 A
A50(A), A51(B)
Junction
Connector
L
A1

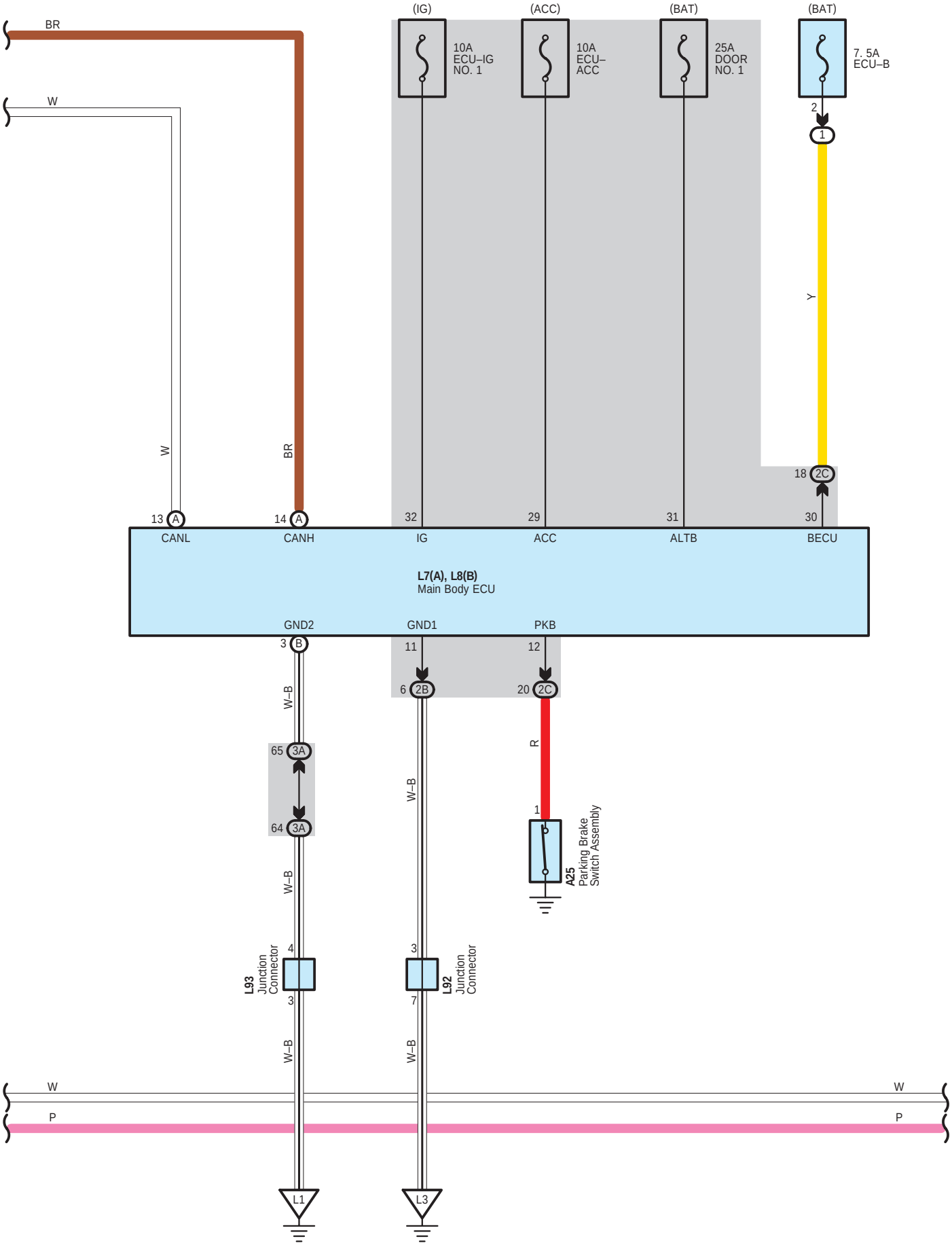
∗ 1 : Shielded

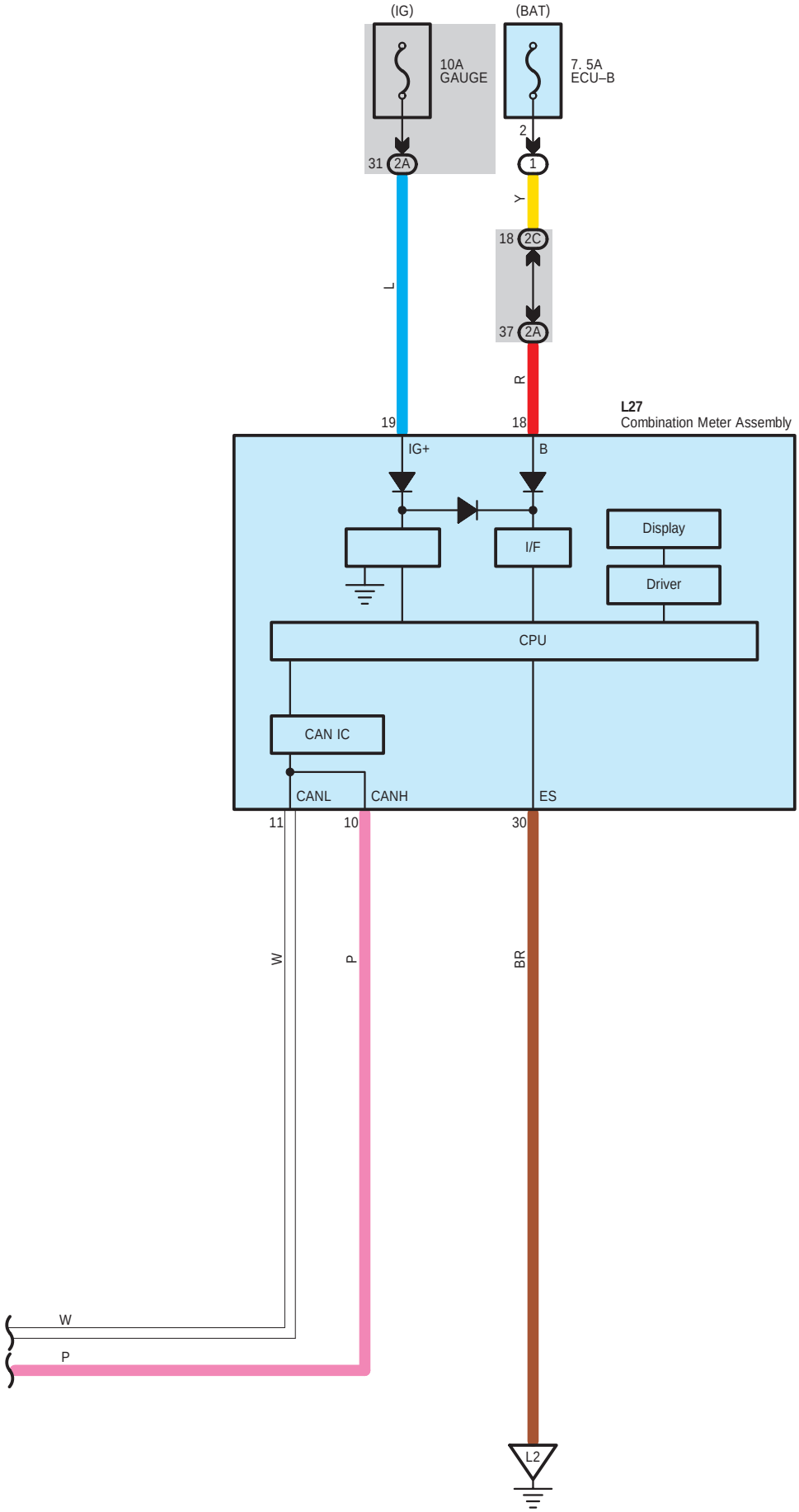

L61
DLC3
TS
12
L
7 AL2
B
4
TS
A58
Skid Control ECU with Actuator Assembly
HZRI
VCSK
SKS
SKG
SKS2
GND
RR+
RR–
10
39
42
41
40
28
22
9
SB
(∗1)
B
R
W
G
W
B
16 AL2
L
4 3B
14 3A
Y
8
3
4
1
2
VCSK
SKS1
SKG
SKS2
A30
Brake Pedal Stroke Sensor Assembly
10 AS1
9 AS1
18 AS1
F
Hazard Switch
E
L78
Integration Control and Panel Assembly
5
W–B
20 3A
67 3A
W–B
L93
Junction Connector
5
3
W–B
L1
W–B
W
5
9
8
6
BR
W–B
A56
Junction Connector
A3
1 zS1
2 zS1
W
B
2
1
Z2
Rear Speed Sensor RH
W–B


A58
Skid Control ECU with Actuator Assembly
RL+
RL–
FL+
FL–
FR+
FR–
MRO2
MRO1
20
7
31
32
18
5
30
29
(*1)
W
B
R
G
P
L
9 AR1
3 AR1
4 AR1
1 zR1
2 zR1
2
1
z1
Rear Speed Sensor LH
A15
Front Speed Sensor LH
A34
Front Speed Sensor RH
W–B
2 B
1 A
BM2
BM1
M
GND2
GND1
A17(A), A18(B)
Brake Booster Pump Assembly
A3
A4

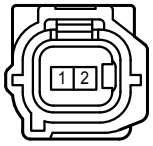

* 1 : Shielded
(IG)
10A
ECU–IG
NO. 2
16 2B
26 2C
BE
B
2
IG1
BZ
L46
Skid Control
Buzzer Assembly
1
BR
13 AL2
BR
B
2
A54
Junction
Connector
3
B
16
13
IG1
BZ
A58
Skid Control ECU with Actuator Assembly
CTY
CA2L
CA2H
CA1L
CA1H
19
34
35
38
37
V
V
P
L
LG
7 AL1
8 AL3
9 AL3
V
78 3A
66 3A
V
V
P
3
14
L101
Junction Connector
4
15
BR
W
B
54 LR1
11 AL3
10 AL3
BR
1
W
B
R6
Front Door Courtesy
Light Switch Assembly LH
3 3B
76 3B
17 3A
16 3A
B
G
4
IG
CANL
CANH
GND
L12
Yaw Rate
Sensor Assembly
2
3
1
L
Y
W–B
(BAT)
10A
DOME
2
1
R
40 2C
49 2A
R
83 3B
24 3A
R
W
L
G
5
6
3
4
IG1
BAT
CANL
CANH
L51
Steering Sensor
ESS
2
W–B
22 3A
21 3A
67 3A
Y
L
LG
L
B
W
W–B
5
L93
Junction
Connector
3
W–B
L1


* 1 : Shielded
BR
W
W
L
L
W
BR
W
V
W
W
V
2
13
3
14
7
18
14
3
L94
Junction
Connector
L95
Junction
Connector
8
19
10
21
1
12
20
9
Y
L
LG
L
P
W
V
P
3 AL3
2 AL3
5 AL3
4 AL3
LG
L
V
P
5 A
13 A
CANL
CANH
CANP
CANN
NE+
NE–
12 A
4 A
74 B
120 B
A57(A), D28(B)
ECM
B
W
(*1)
B
W
1
NE
NE–
2
D27
Crankshaft Position
Sensor
W
BR
Y
L
LG
L
B
W
W
P
D1


BR
W
(IG)
(ACC)
(BAT)
(BAT)
10A
ECU–IG
NO. 1
10A
ECU–
ACC
25A
DOOR
NO. 1
7. 5A
ECU–B
2
1
Y
W
BR
18
2C
13
A
14
A
32
29
31
30
CANL
CANH
IG
ACC
ALTB
BECU
L7(A), L8(B)
Main Body ECU
GND2
GND1
PKB
3
B
11
12
6
2B
20
2C
W–B
65
3A
64
3A
R
1
A25
Parking Brake
Switch Assembly
W–B
W–B
4
3
L93
Junction
Connector
3
7
L92
Junction
Connector
W–B
W–B
W
W
P
P
L1
L3

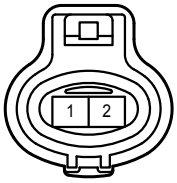

(IG)
(BAT)
10A
GAUGE
7. 5A
ECU–B
2
31 2A
1
Y
18 2C
37 2A
L
R
L27
Combination Meter Assembly
19
18
IG+
B
Display
I/F
Driver
CPU
CAN IC
CANL
CANH
ES
11
10
30
W
P
BR
W
P
L2

A 15
Black



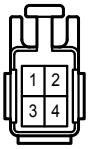
A 17
Gray

A 18
Black

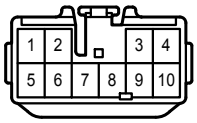


A 25
White

A 26
White

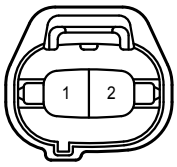


A 28
Black



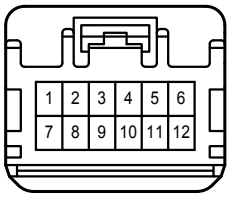
A 30
Black

A 32
Black

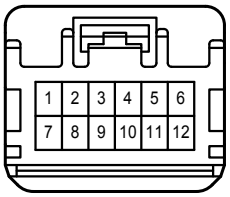


A 34
Black

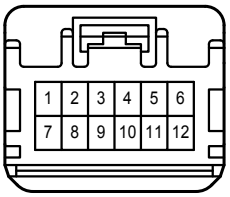
A 50
White



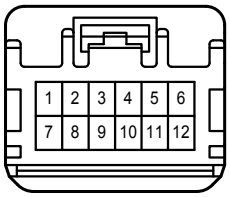
A 51
White



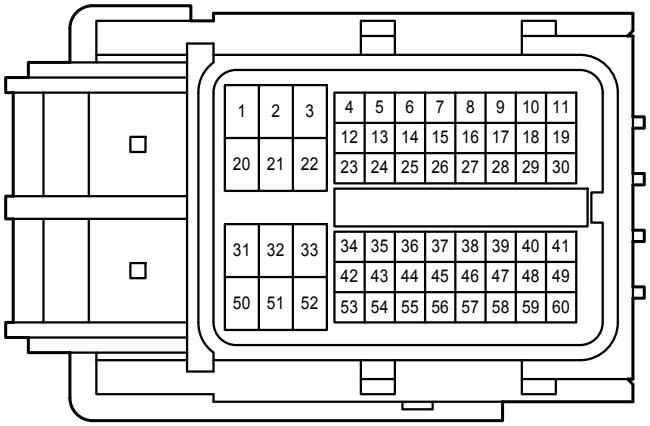
A 54
Black



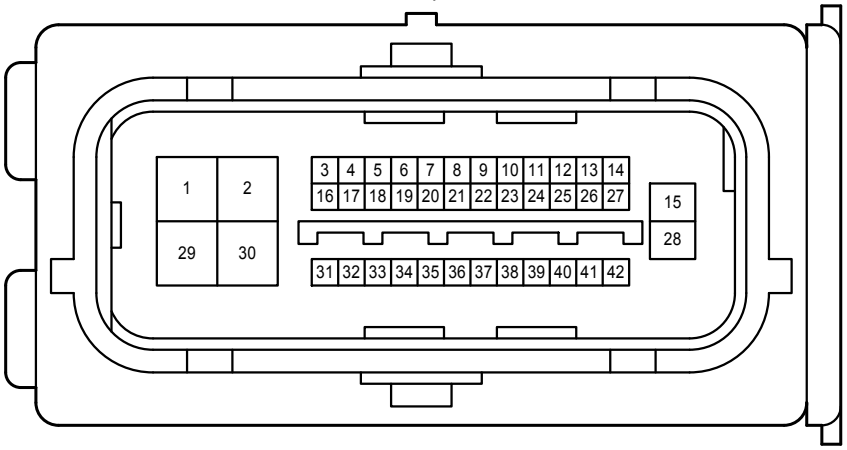
A 56
White



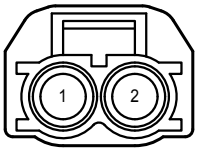
A 57
Black



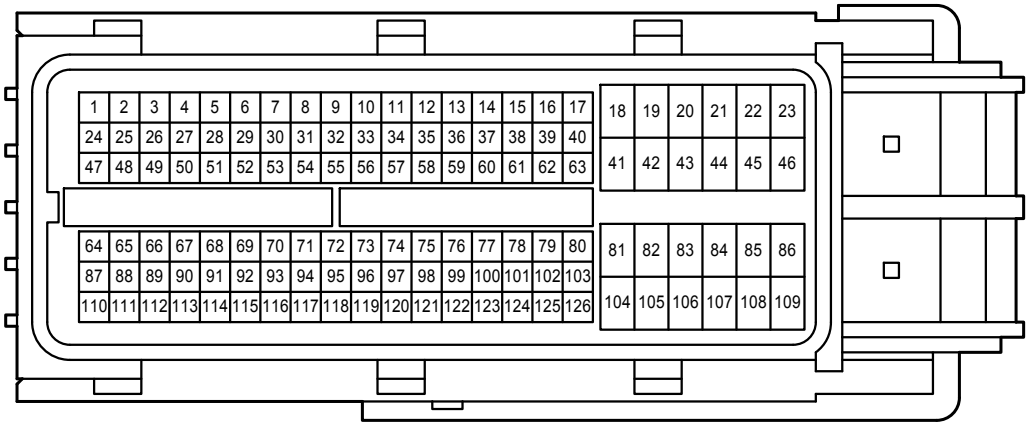
A 58
Gray



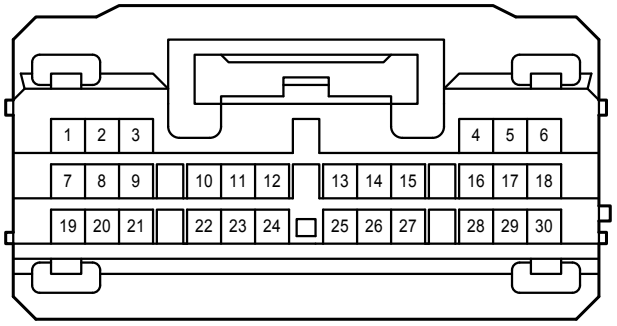
D 27
Black



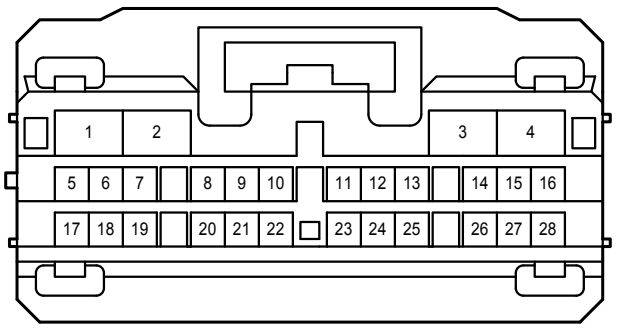
D 28
Black



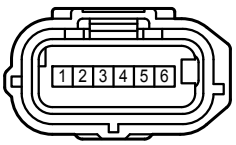
L 7
White



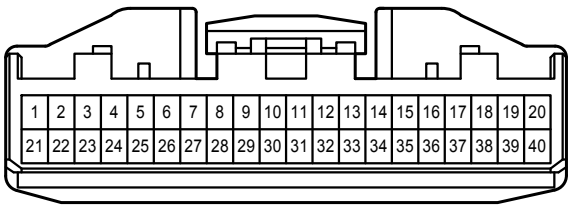
L 8
White



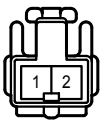
L 12
Black



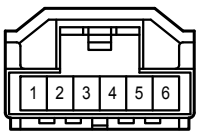
L 27
White



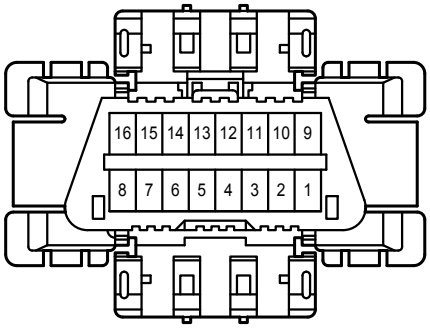
L 46
Blue



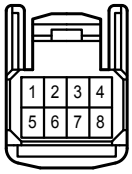
L 51
White



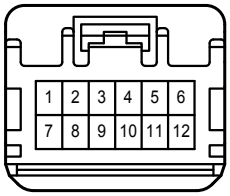
L 61
White



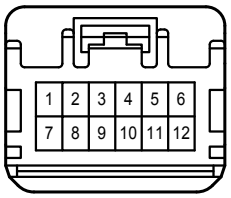
L 78
Black



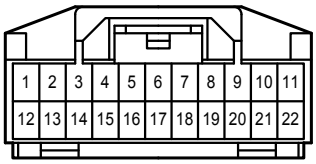
L 92
White



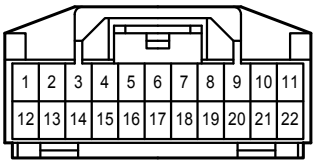
L 93
White



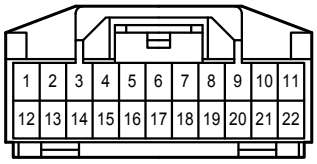
L 94
White



L 95
White

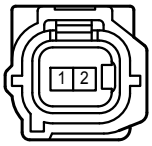


L101
Black



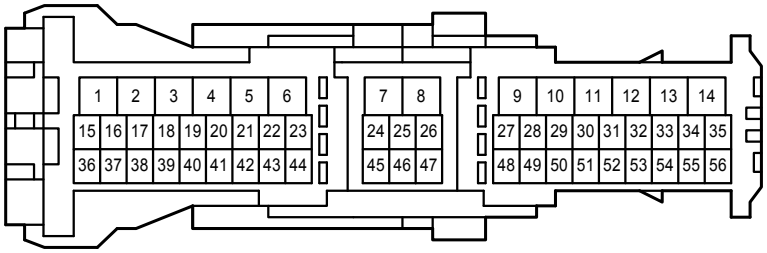
R 6
Black

z 1
Black

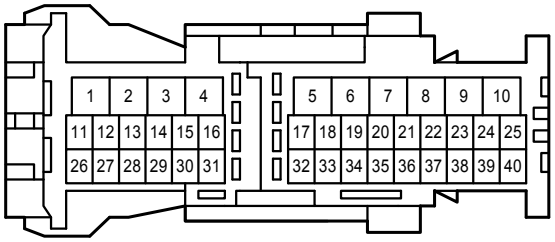


z 2
Black

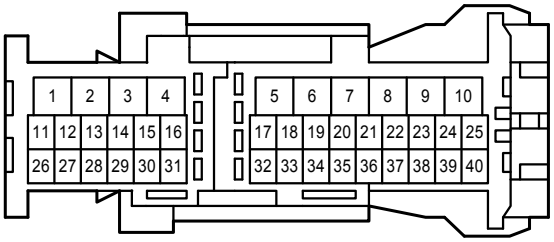
2A
White



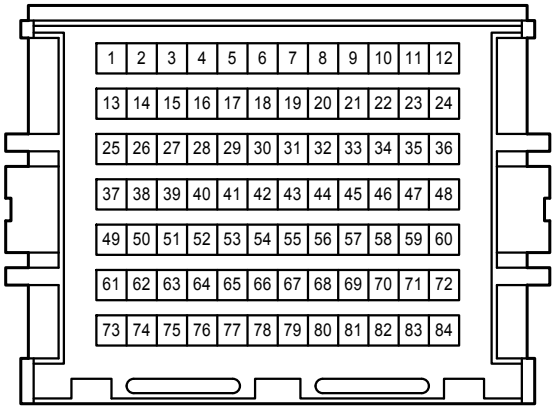
2B
White



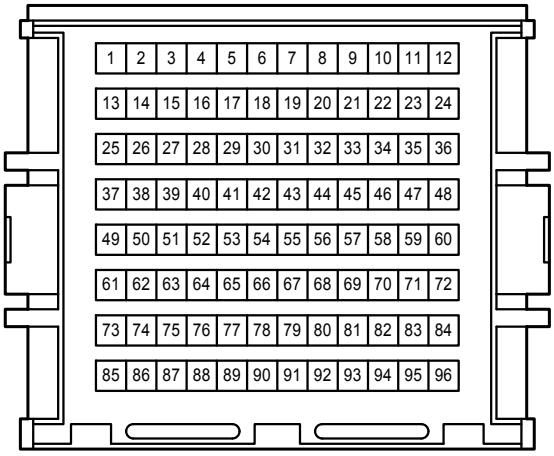
2C
White



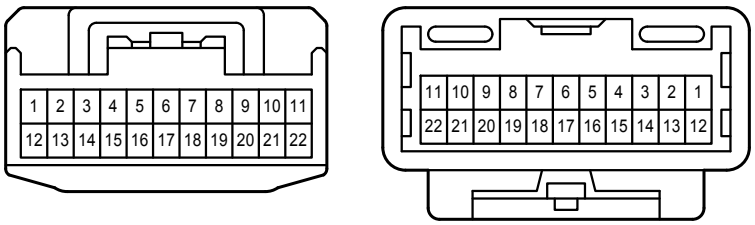
3A
White



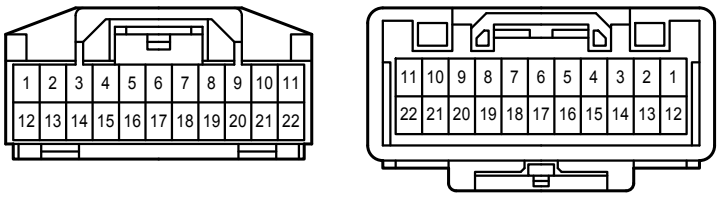
3B
White



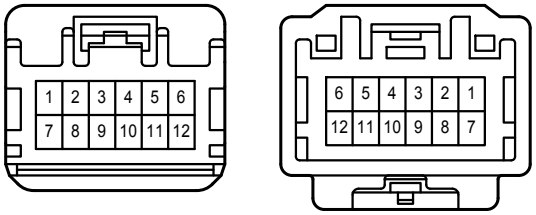
AL1
Blue



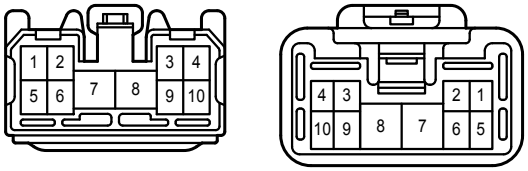
AL2
Gray

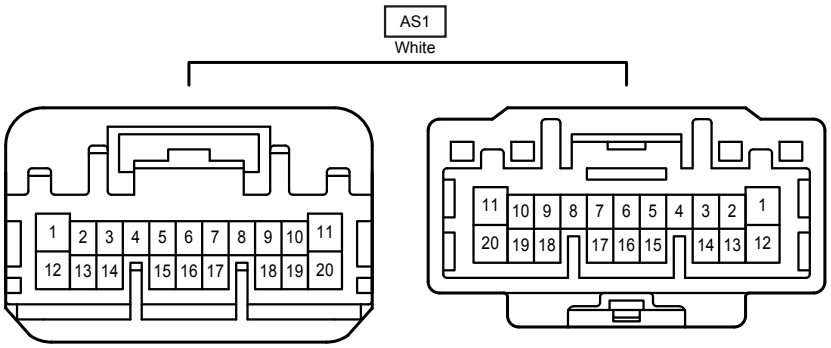


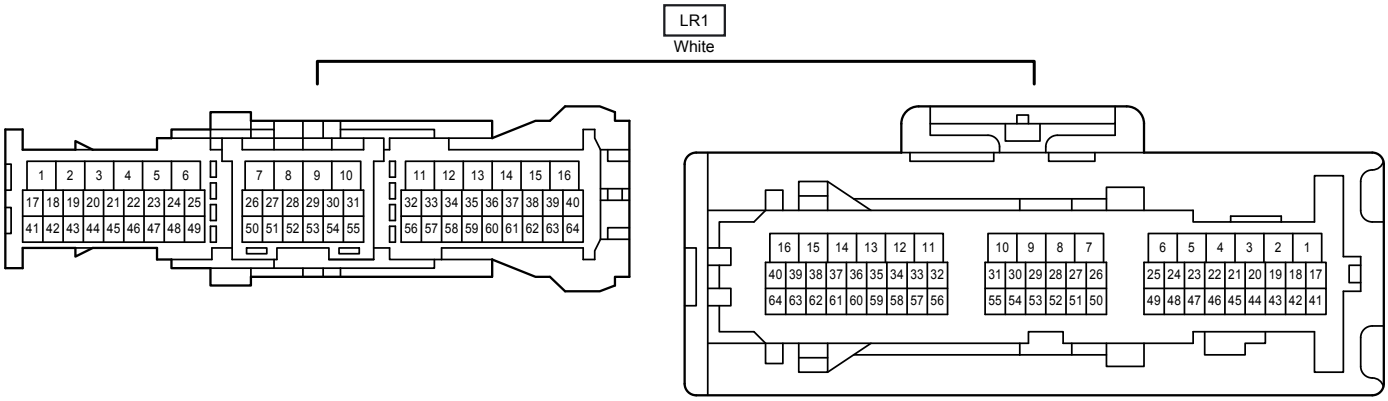
AL3
White

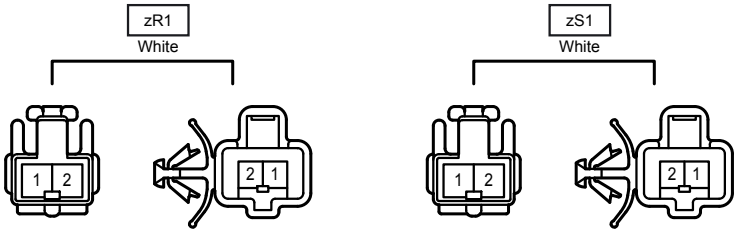


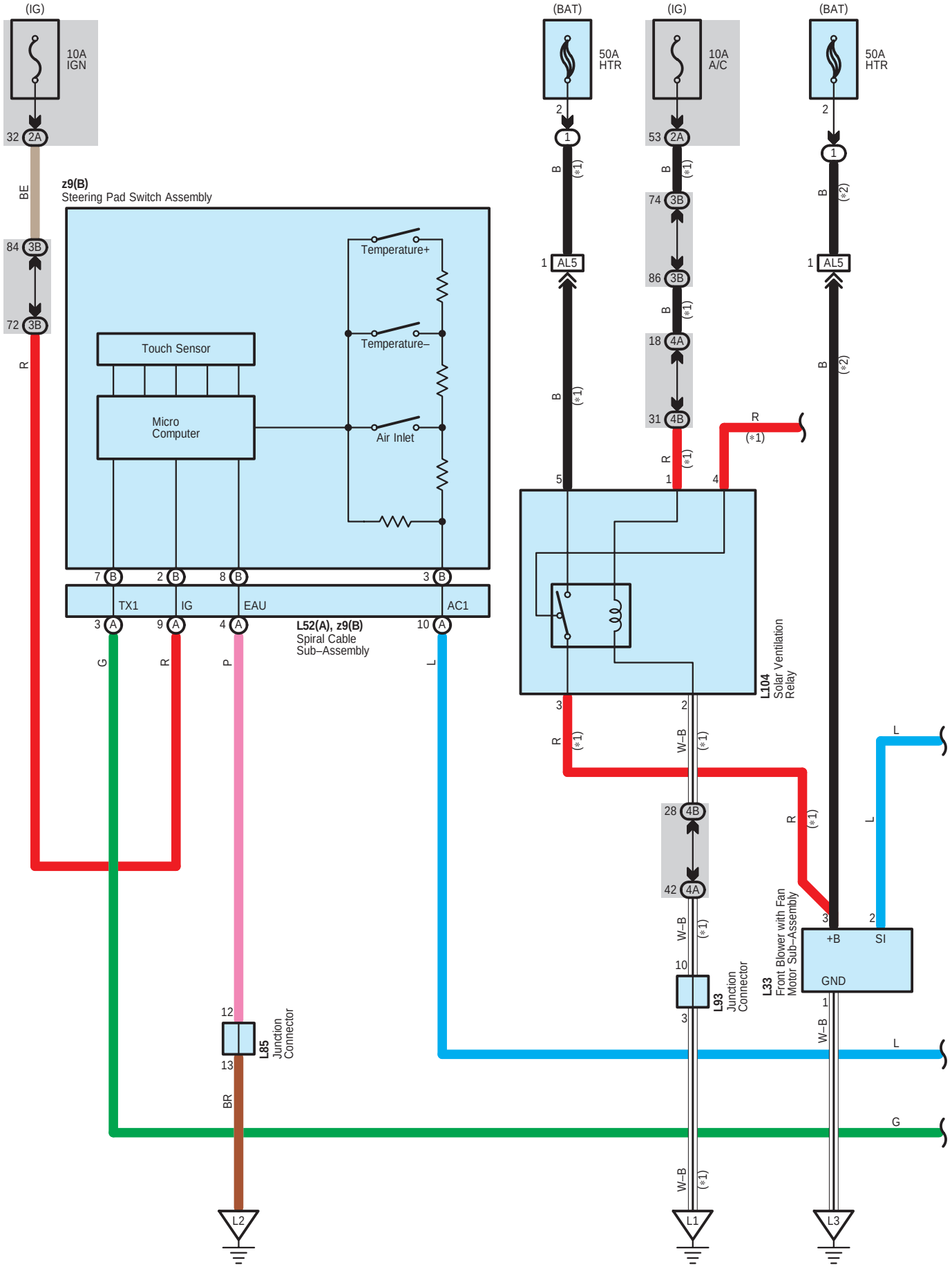
AR1
White

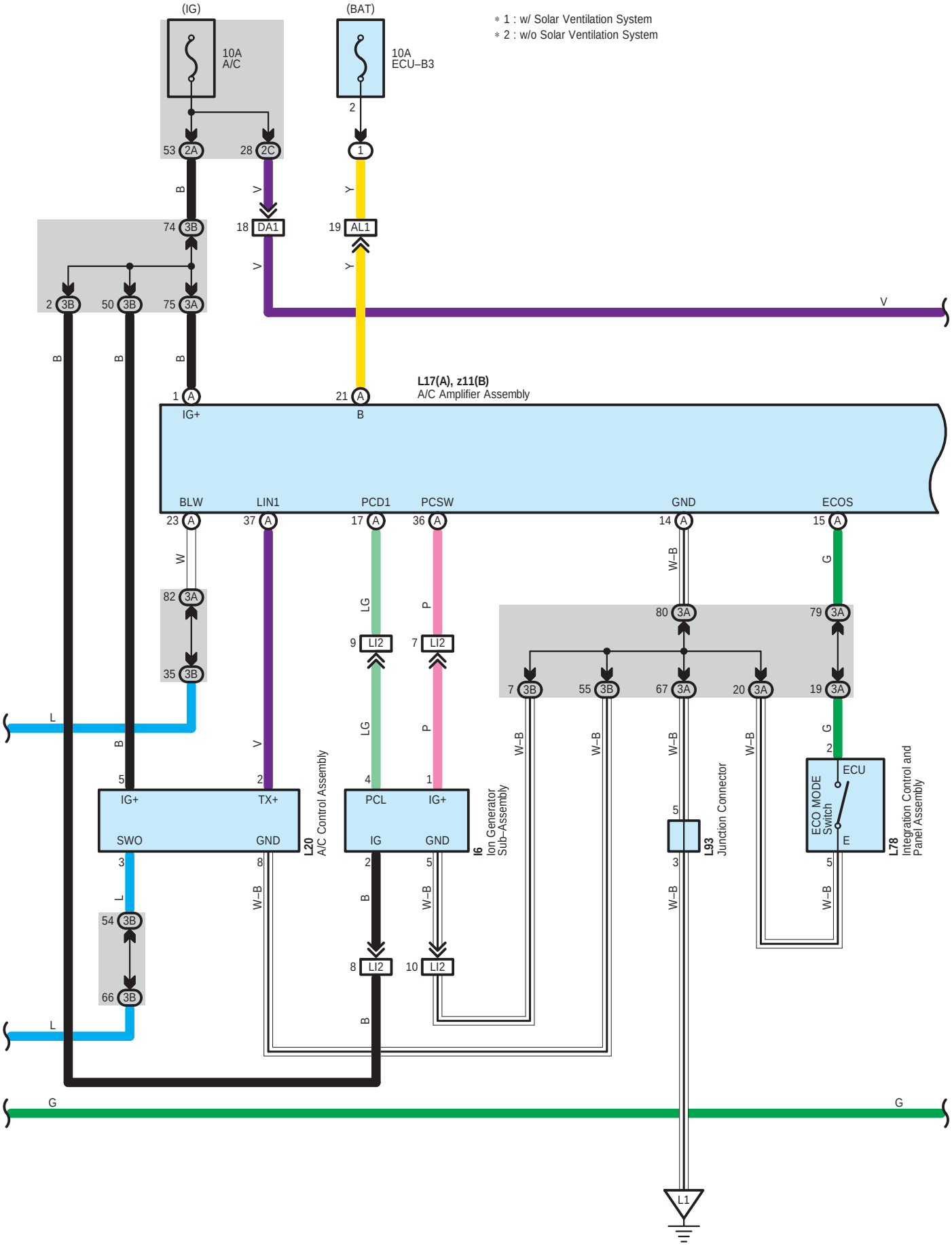


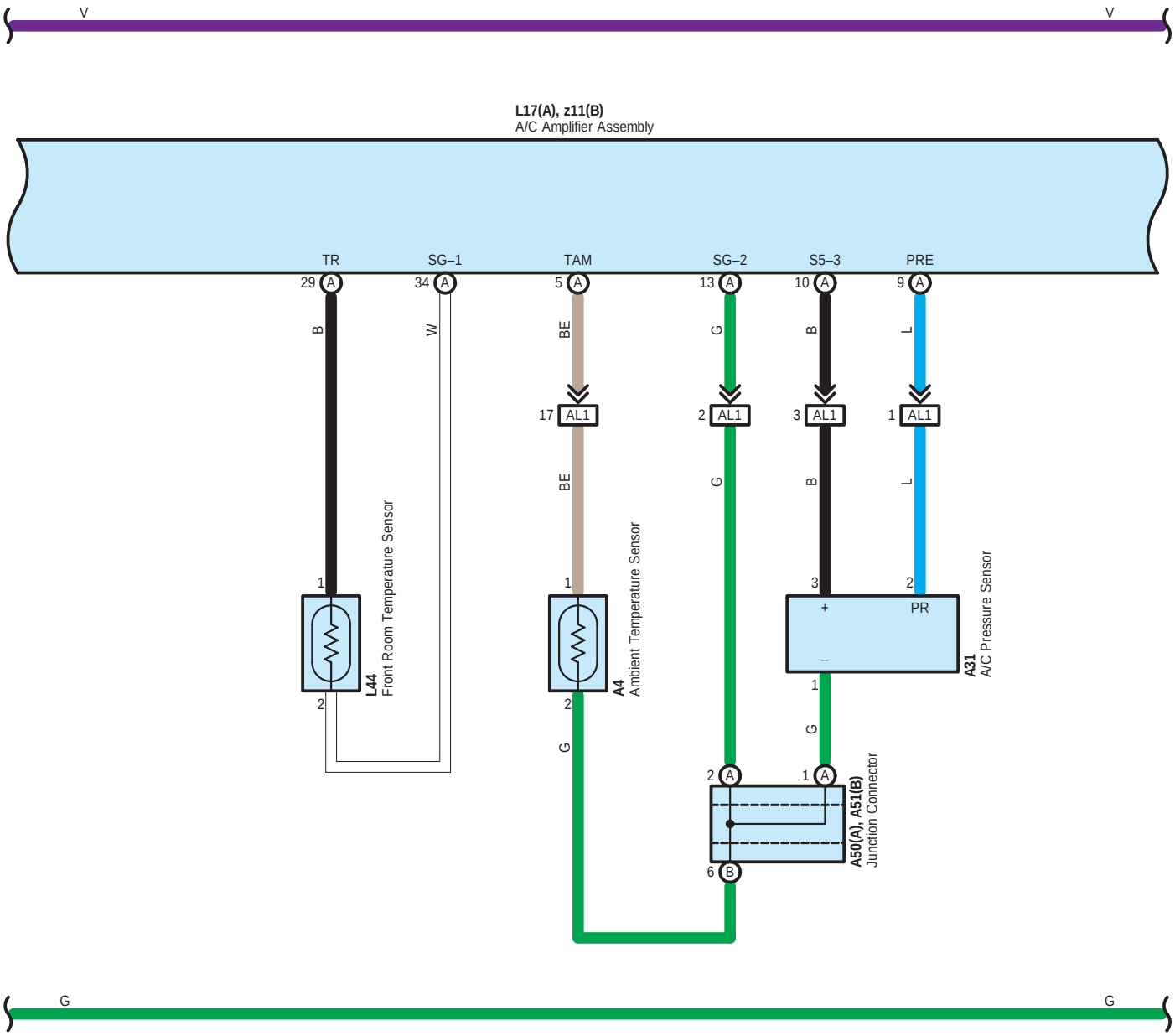

AS1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12


LR1
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41

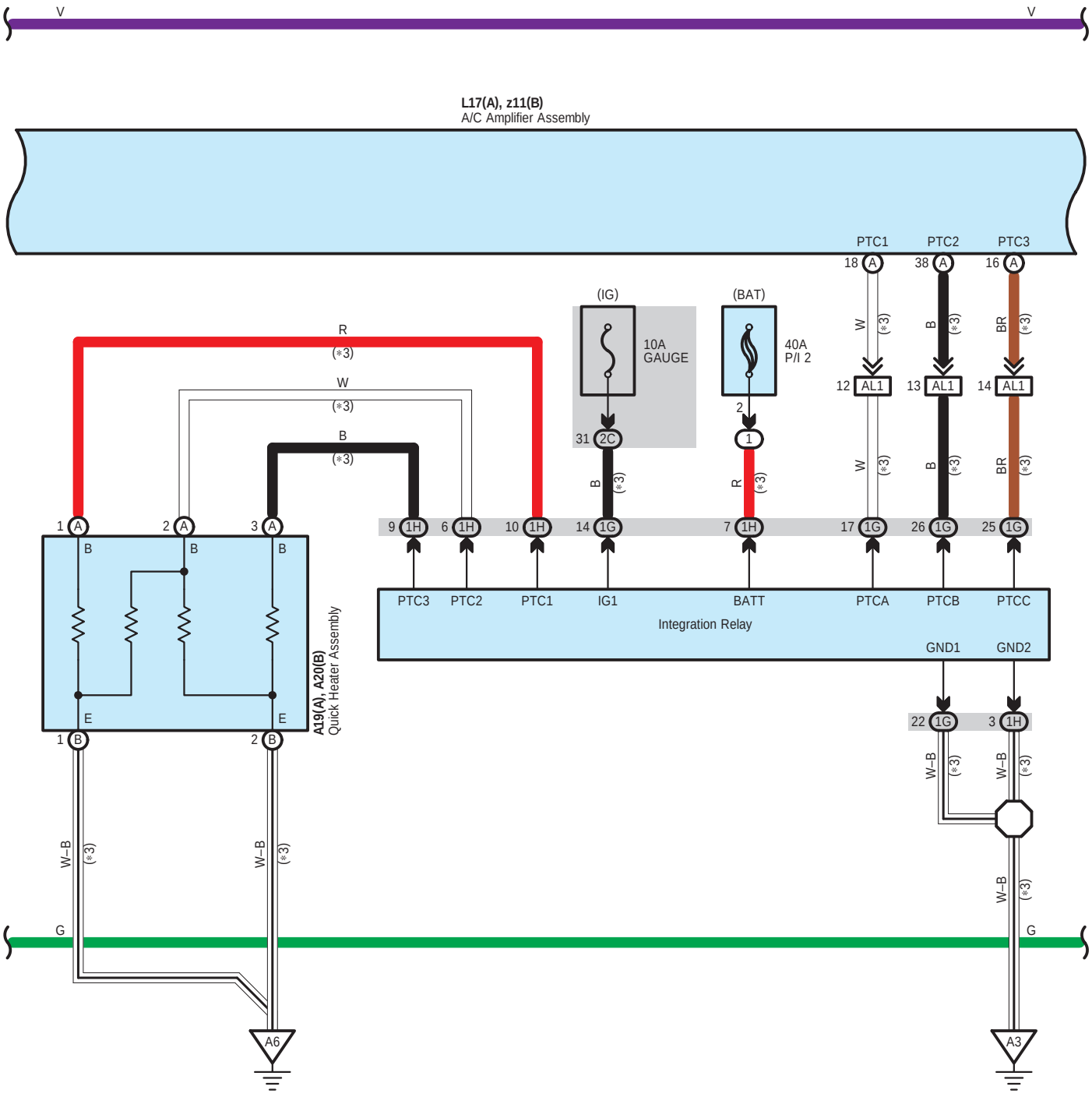

zR1
White
1 2
2 1
zS1
White
1 2
2 1

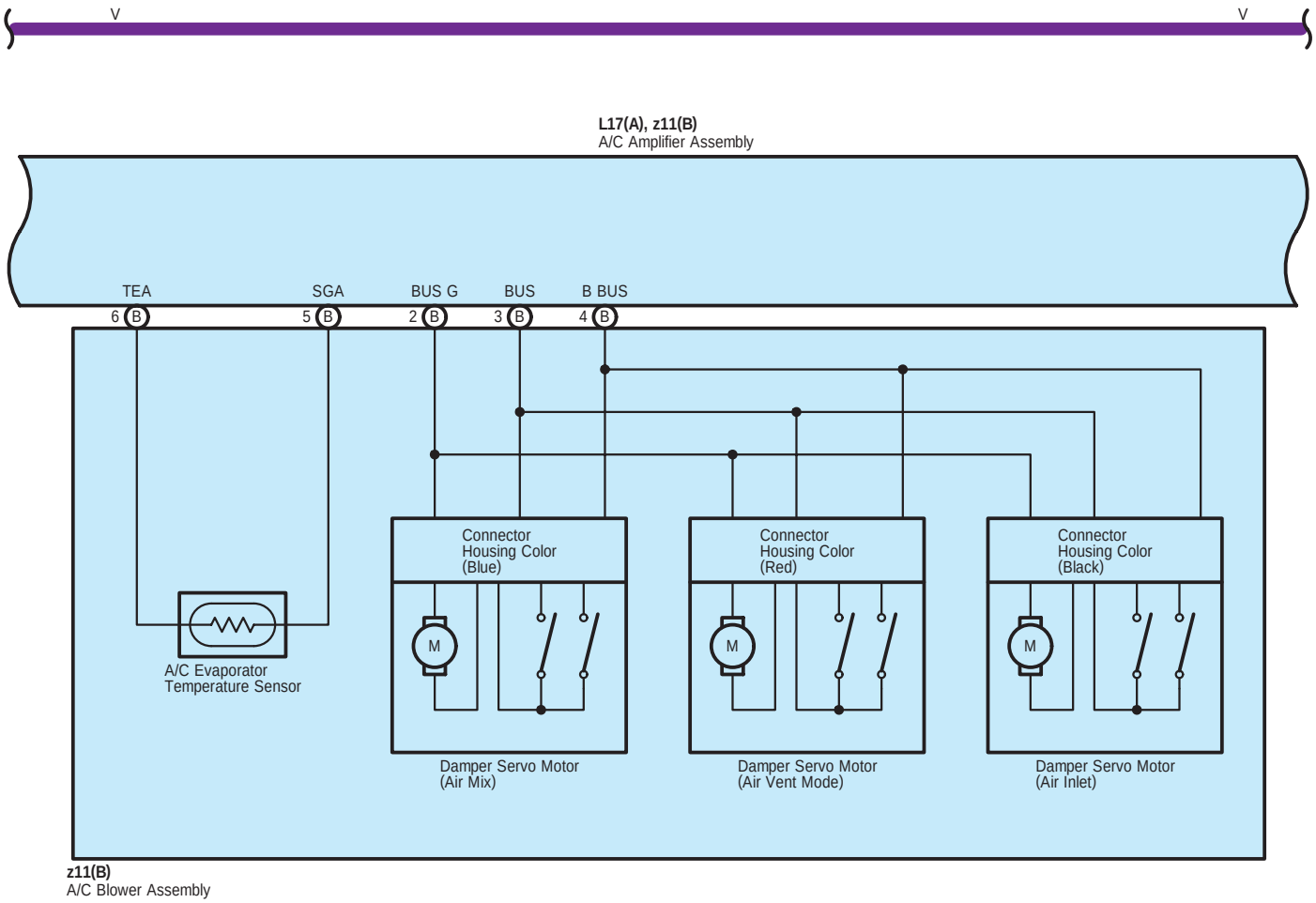

(IG)
10A
IGN
32 2A
BE
z9(B)
Steering Pad Switch Assembly
84 3B
72 3B
R
Touch Sensor
Micro
Computer
Temperature+
Temperature–
Air Inlet
7 B
2 B
8 B
3 B
TX1
IG
EAU
AC1
3 A
9 A
4 A
10 A
L52(A), z9(B)
Spiral Cable
Sub–Assembly
G
R
P
L
(BAT)
50A
HTR
2
1
B
(*1)
1 AL5
B
(*1)
5
(IG)
10A
A/C
53 2A
B
(*1)
74 3B
B
(*1)
86 3B
B
(*1)
18 4A
31 4B
R
(*1)
1
4
R
(*1)
(BAT)
50A
HTR
2
1
B
(*2)
1 AL5
B
(*2)
L104
Solar Ventilation
Relay
3
2
R
(*1)
W–B
(*1)
28 4B
42 4A
W–B
(*1)
10
3
L93
Junction
Connector
R
(*1)
L
L
3
2
+B
SI
GND
1
W–B
L33
Front Blower with Fan
Motor Sub–Assembly
L
G
12
13
BR
L85
Junction
Connector
W–B
(*1)
L2
L1
L3

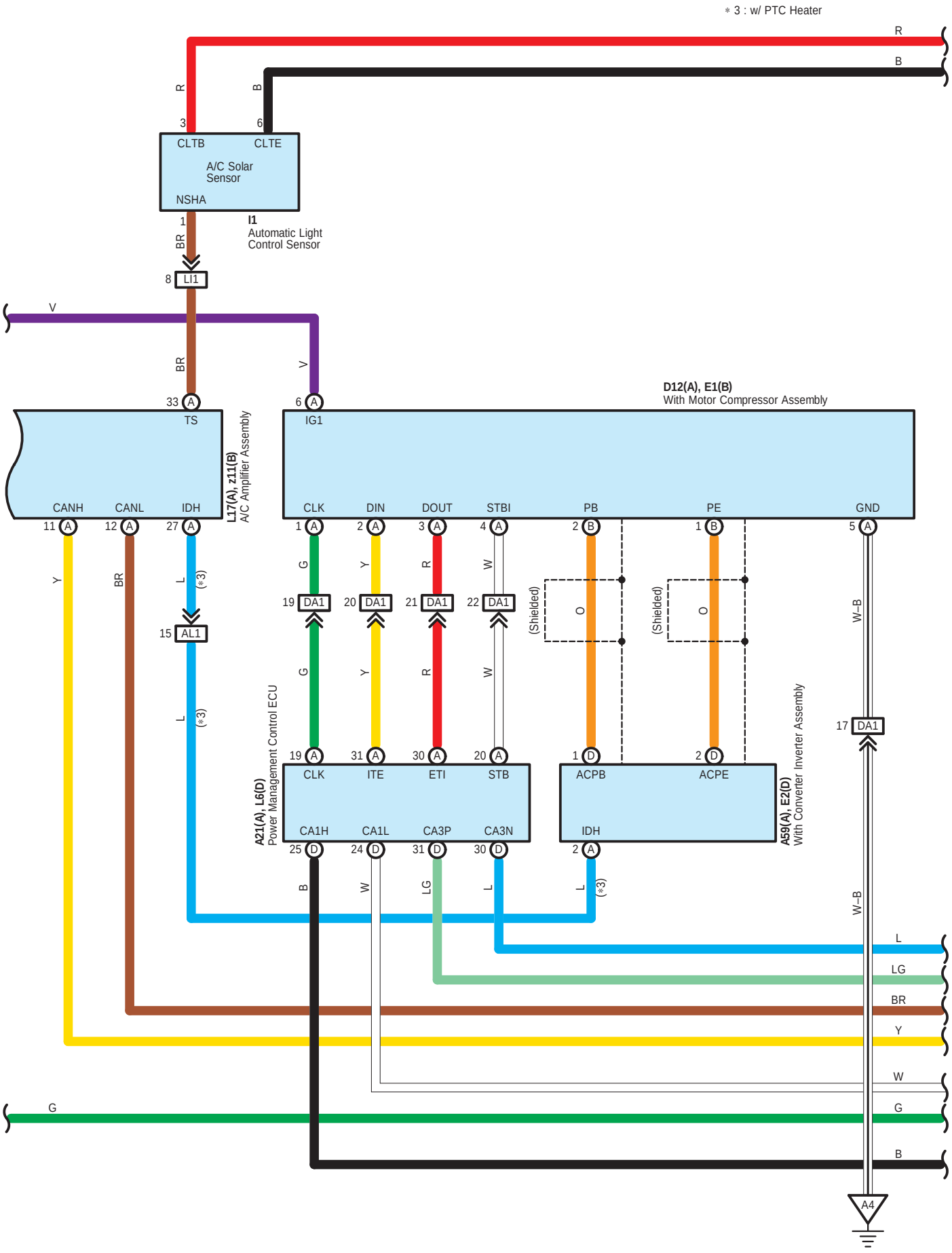

(IG)
(BAT)
* 1 : w/ Solar Ventilation System
* 2 : w/o Solar Ventilation System
10A
A/C
10A
ECU–B3
L17(A), z11(B)
A/C Amplifier Assembly
BLW
LIN1
PCD1
PCSW
GND
ECOS
IG+
B
L20
A/C Control Assembly
SWO
TX+
PCL
IG
I6
Ign Generator
Sub–Assembly
L93
Junction Connector
ECO MODE
Switch
ECU
E
L78
Integration Control and
Panel Assembly
L1

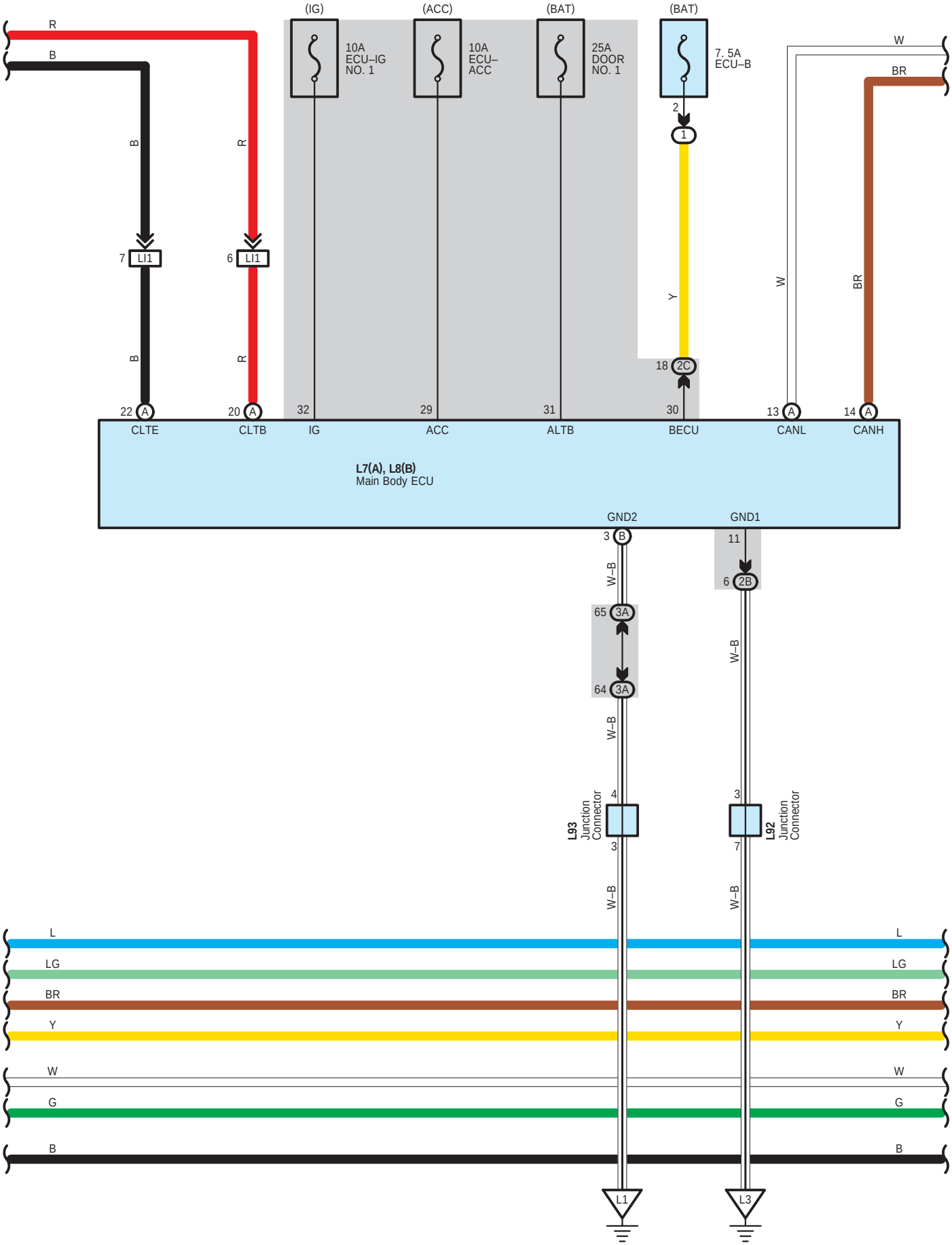

V
V
L17(A), z11(B)
A/C Amplifier Assembly
TR
SG–1
TAM
SG–2
S5–3
PRE
29 A
34 A
5 A
13 A
10 A
9 A
B
W
BE
G
B
L
17 AL1
2 AL1
3 AL1
1 AL1
BE
G
B
L
1
2
1
3
2
L44
Front Room Temperature Sensor
A4
Ambient Temperature Sensor
+
–
PR
A31
A/C Pressure Sensor
1
G
2 A
1 A
6 B
A50(A), A51(B)
Junction Connector
G
G

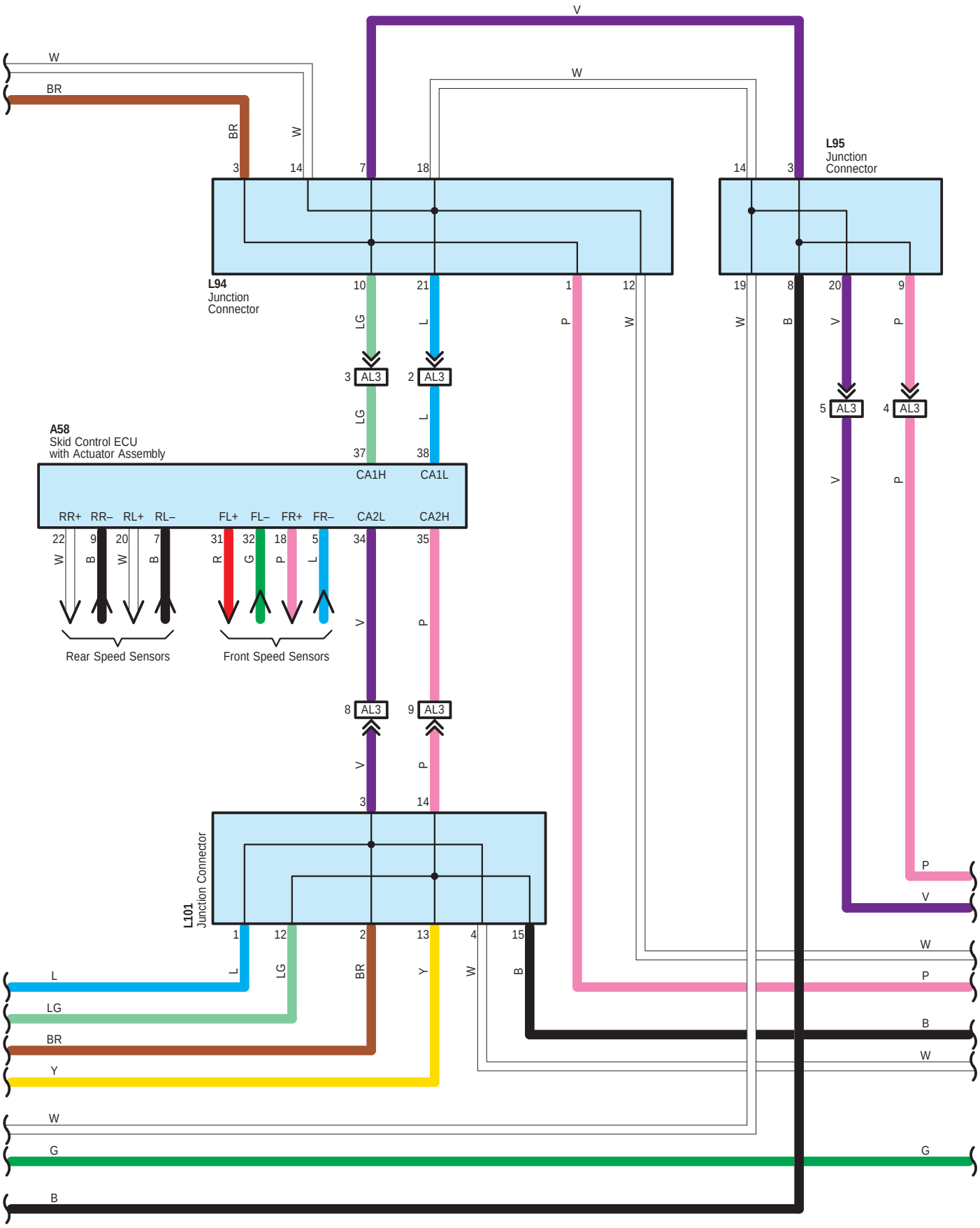
∗ 3 : w/ PTC Heater

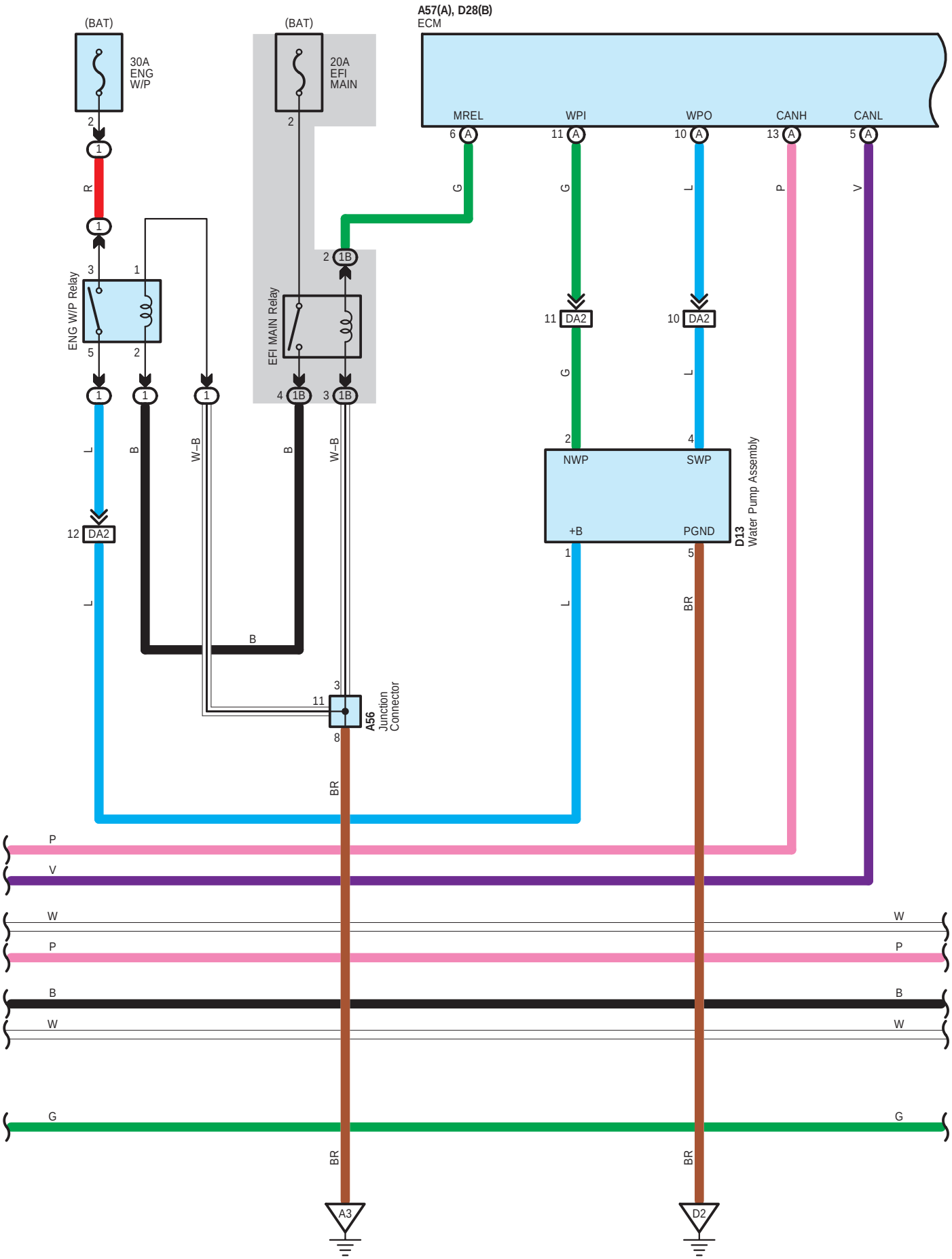


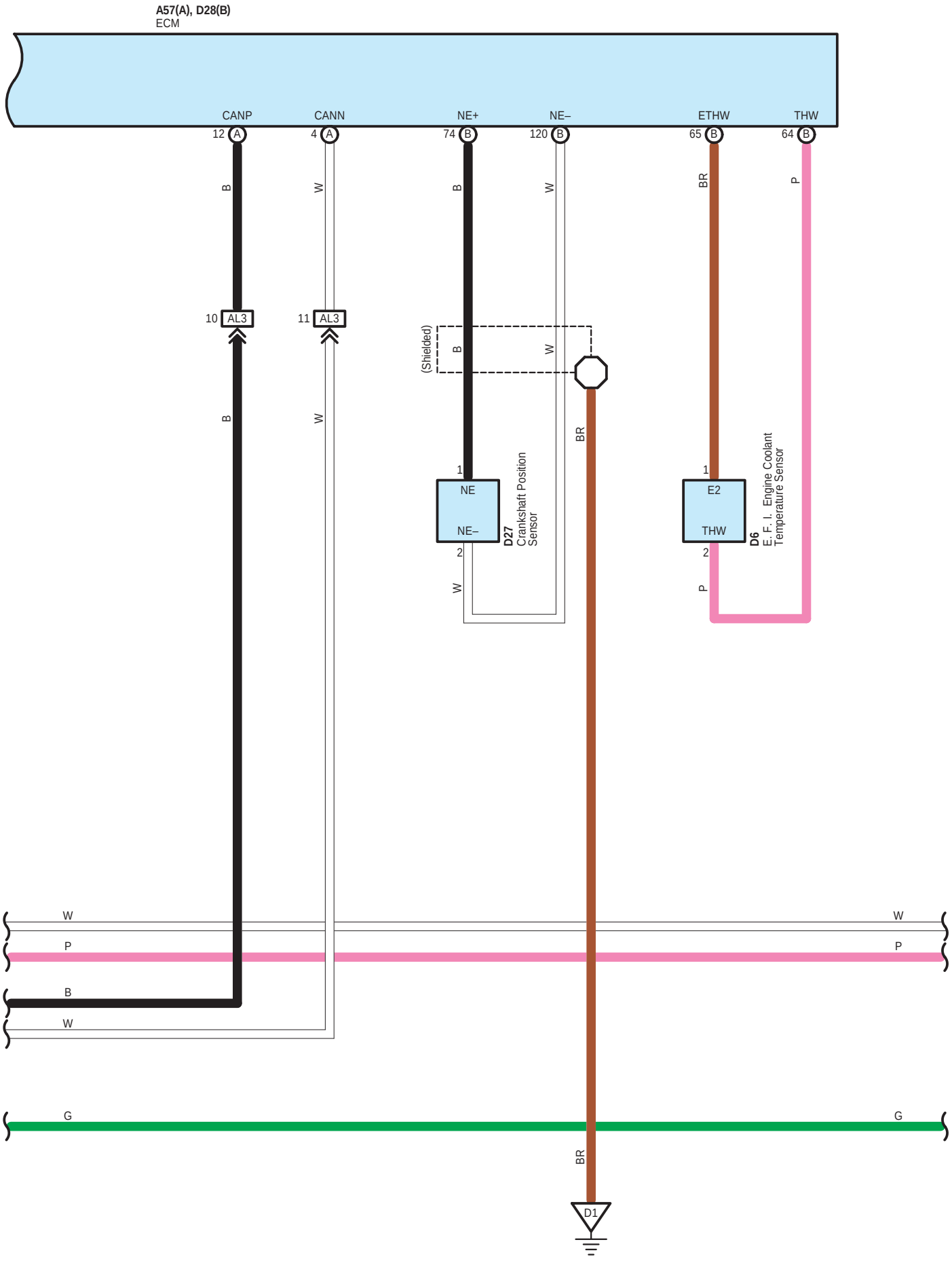

V
V
L17(A), z11(B)
A/C Amplifier Assembly
TEA
SGA
BUS G
BUS
B BUS
6 B
5 B
2 B
3 B
4 B
Connector
Housing Color
(Blue)
Connector
Housing Color
(Red)
Connector
Housing Color
(Black)
M
M
M
A/C Evaporator
Temperature Sensor
Damper Servo Motor
(Air Mix)
Damper Servo Motor
(Air Vent Mode)
Damper Servo Motor
(Air Inlet)
z11(B)
A/C Blower Assembly
G
G

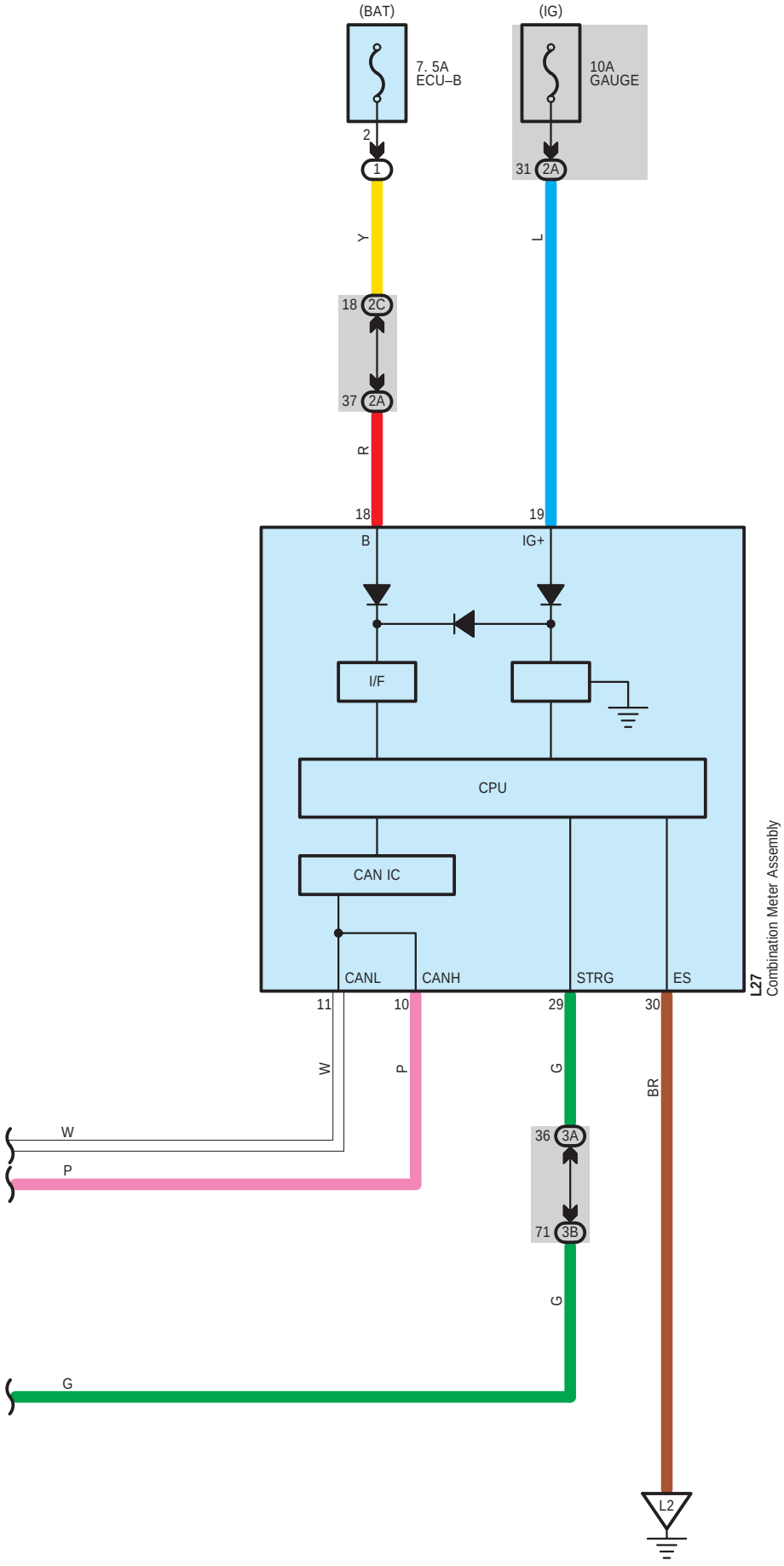

∗ 3 : w/ PTC Heater
R
B
3
6
CLTB
CLTE
A/C Solar Sensor
NSHA
1
I1
Automatic Light Control Sensor
BR
8
LI1
V
BR
V
33
A
TS
6
A
IG1
D12(A), E1(B)
With Motor Compressor Assembly
L17(A), z11(B)
A/C Amplifier Assembly
CANH
CANL
IDH
CLK
DIN
DOUT
STBI
PB
PE
GND
11
12
27
1
2
3
4
2
1
5
Y
BR
L
(∗3)
G
Y
R
W
O
(Shielded)
O
(Shielded)
W–B
15
AL1
19
DA1
20
DA1
21
DA1
22
DA1
17
DA1
A21(A), L6(D)
Power Management Control ECU
19
31
30
20
1
2
CLK
ITE
ETI
STB
ACPB
ACPE
A59(A), E2(D)
With Converter Inverter Assembly
CA1H
CA1L
CA3P
CA3N
IDH
25
24
31
30
2
B
W
LG
L
L
(∗3)
W–B
L
LG
BR
Y
W
G
G
B
A4


(IG)
(ACC)
(BAT)
(BAT)
10A ECU–IG NO. 1
10A ECU– ACC
25A DOOR NO. 1
7. 5A ECU–B
R
B
B
R
7 LI1
6 LI1
B
R
22 A
20 A
CLTE
CLTB
32
29
31
2
1
Y
18 2C
30
IG
ACC
ALTB
BECU
W
BR
W
BR
13 A
14 A
CANL
CANH
L7(A), L8(B)
Main Body ECU
GND2
GND1
3 B
11
6 2B
W–B
65 3A
64 3A
W–B
W–B
4
3
L93 Junction Connector
3
7
L92 Junction Connector
W–B
L
LG
BR
Y
W
G
B
L
LG
BR
Y
W
G
B
L1
L3


V
W
BR
W
BR
W
3
14
7
18
14
3
L95
Junction
Connector
L94
Junction
Connector
10
21
1
12
19
8
20
9
LG
L
P
W
W
B
V
P
3 AL3
2 AL3
5 AL3
4 AL3
LG
L
V
P
A58
Skid Control ECU
with Actuator Assembly
37
38
CA1H
CA1L
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
CA2L
CA2H
22
9
20
7
31
32
18
5
34
35
W
B
W
B
R
G
P
L
V
P
Rear Speed Sensors
Front Speed Sensors
8 AL3
9 AL3
V
P
3
14
L101
Junction Connector
1
12
2
13
4
15
L
LG
BR
Y
W
B
L
LG
BR
Y
W
P
B
W
W
G
G
B

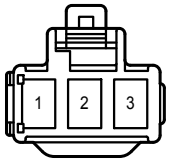

(BAT)
30A
ENG
W/P
(BAT)
20A
EFI
MAIN
A57(A), D28(B)
ECM
MREL
WPI
WPO
CANH
CANL
ENG W/P Relay
EFI MAIN Relay
DA2
NWP
SWP
+B
PGND
D13
Water Pump Assembly
A56
Junction
Connector
A3
D2
R
L
B
W–B
G
P
V
W
BR


A57(A), D28(B)
ECM
CANP
CANN
NE+
NE–
ETHW
THW
12 A
4 A
74 B
120 B
65 B
64 B
B
W
B
W
BR
P
10 AL3
11 AL3
(Shielded)
B
W
BR
1
NE
NE–
2
W
D27
Crankshaft Position Sensor
1
E2
THW
2
P
D6
E. F. I. Engine Coolant Temperature Sensor
W
P
B
W
W
P
G
G
BR
D1

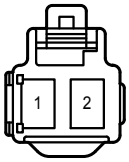

(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
18
19
B
IG+
I/F
CPU
CAN IC
CANL
CANH
STRG
ES
L27
Combination Meter Assembly
11
10
29
30
W
P
G
BR
W
P
36
3A
71
3B
G
G
L2

A 4
Black

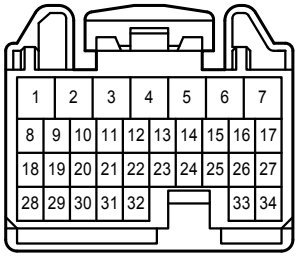
A 19
White



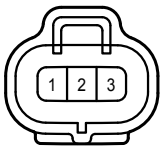
A 20
White



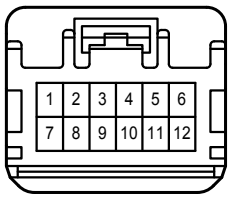
A 21
Gray



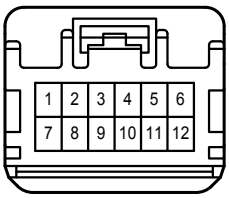
A 31
Black



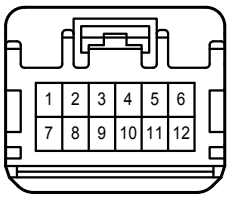
A 50
White



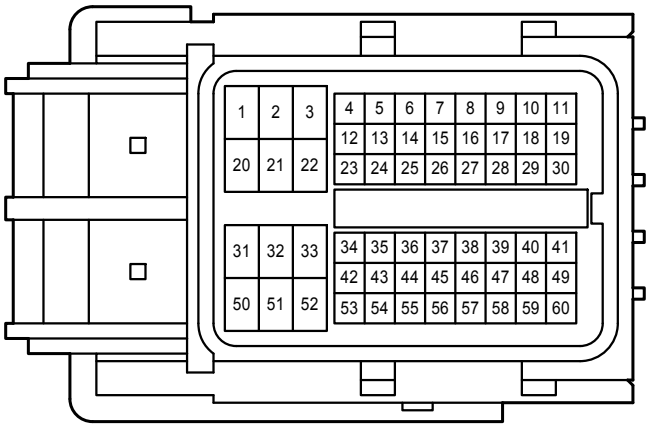
A 51
White



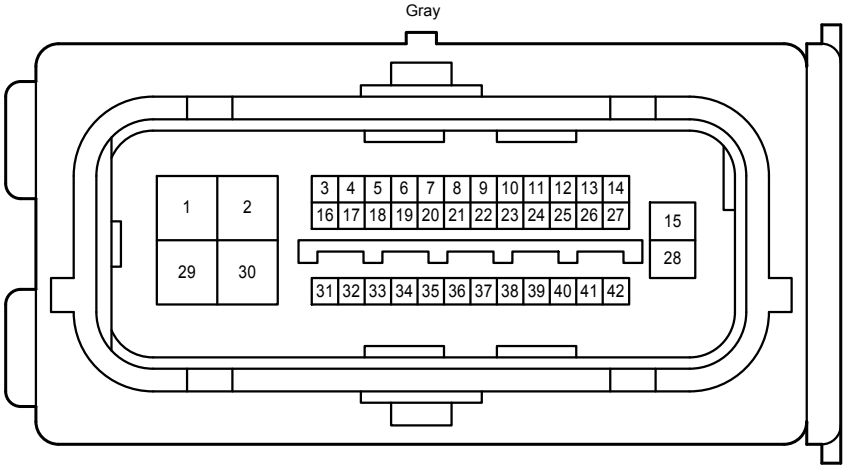
A 56
White



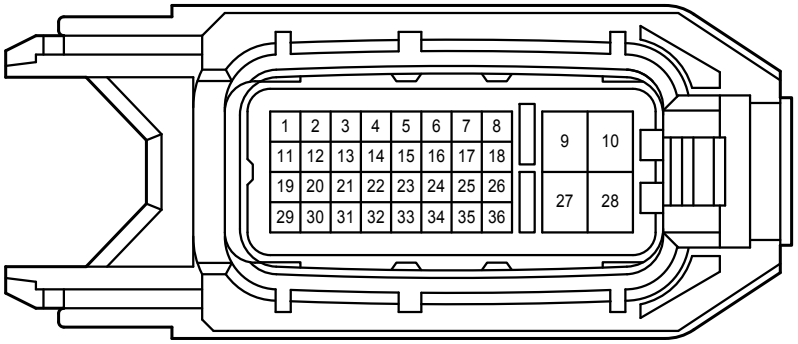
A 57
Black



A 58
Gray

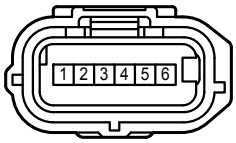


A 59
Black



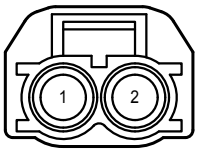
D 6
Black

D 12
Black

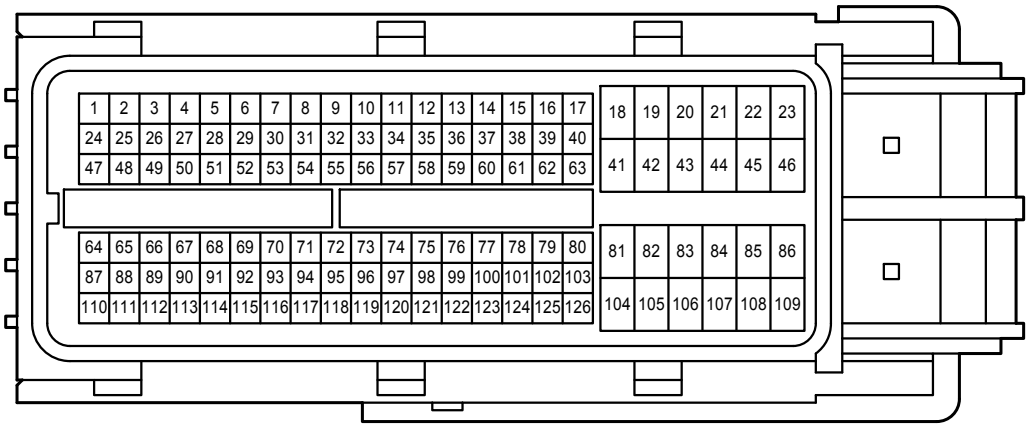


D 13
Black

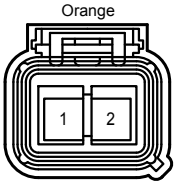
D 27
Black



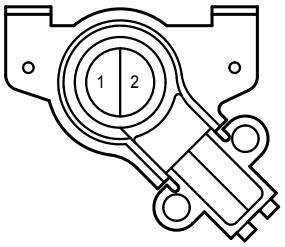
D 28
Black



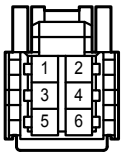
E 1
Orange



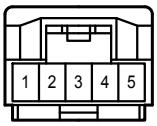
E 2
White



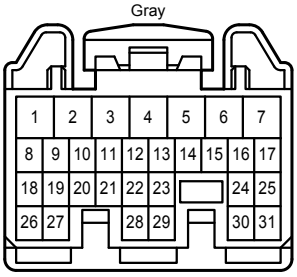
I 1
Black



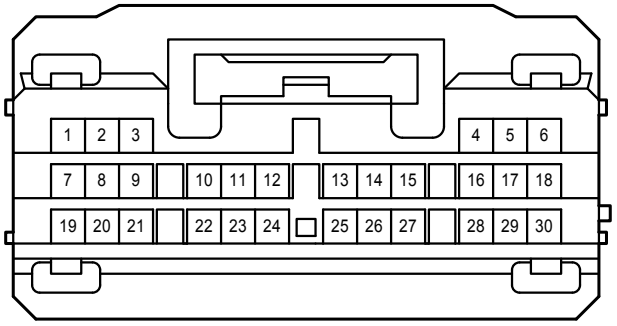
I 6
White



L 6
Gray



L 7
White



L 8
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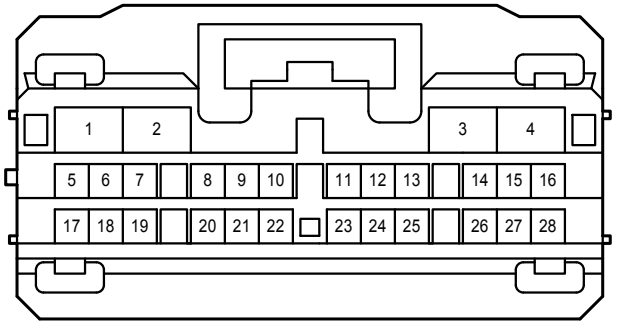

L 17
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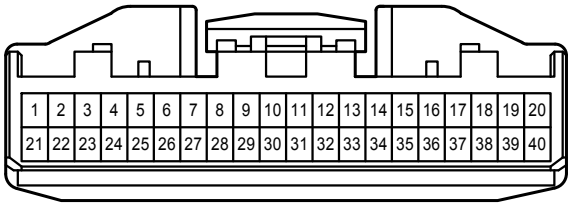

L 20
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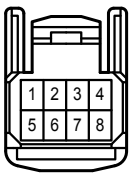

L 27
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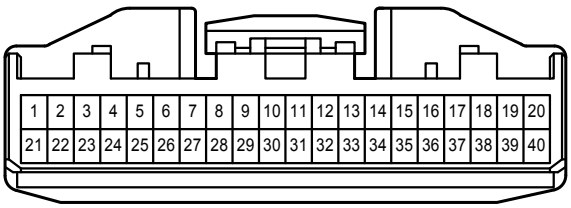

L 33
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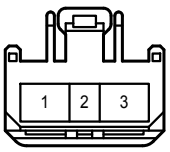

L 44
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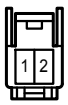
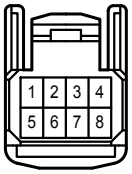


L 52
Black

L 78
Black



L 85
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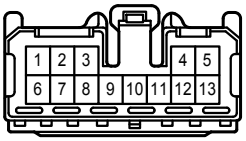

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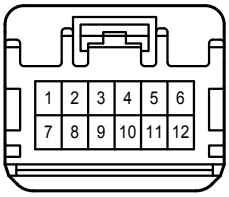

L 93
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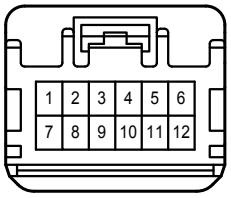

L 94
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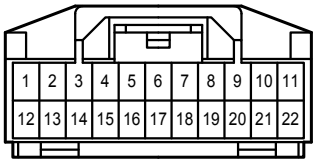

L 95
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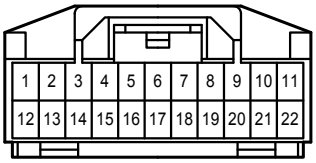
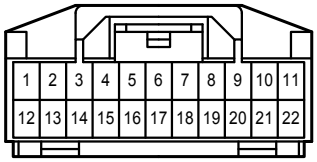
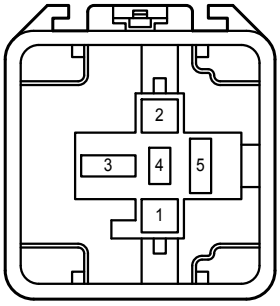


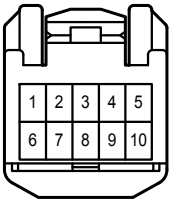
L101
Black



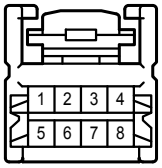
L104
White



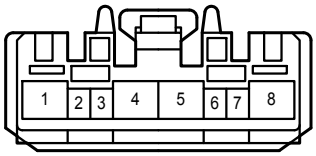
z 9
Black



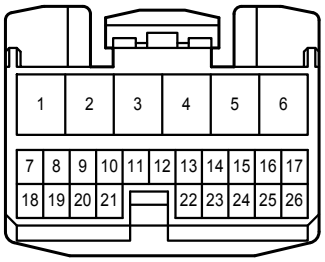
z 11
White



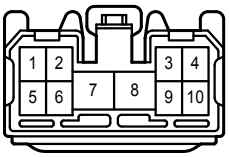
1B
White



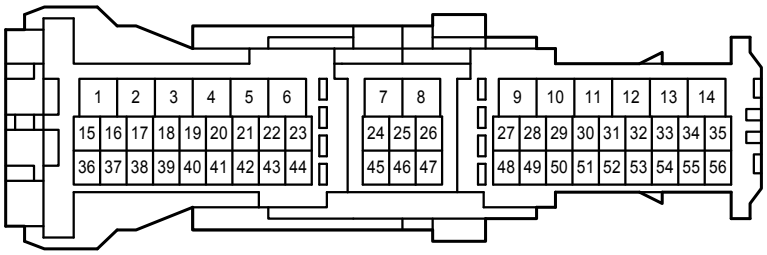
1G
White



1H
White



2A
White



2B
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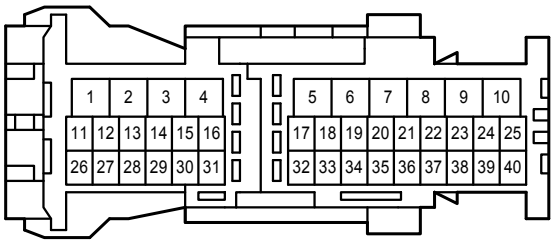

2C
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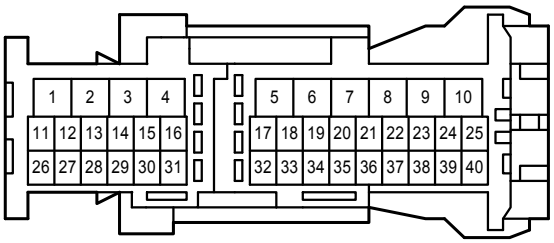
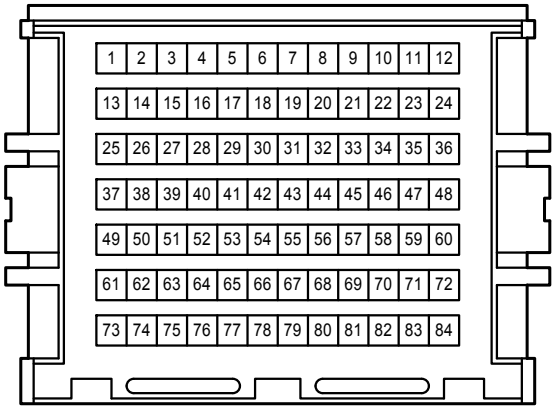
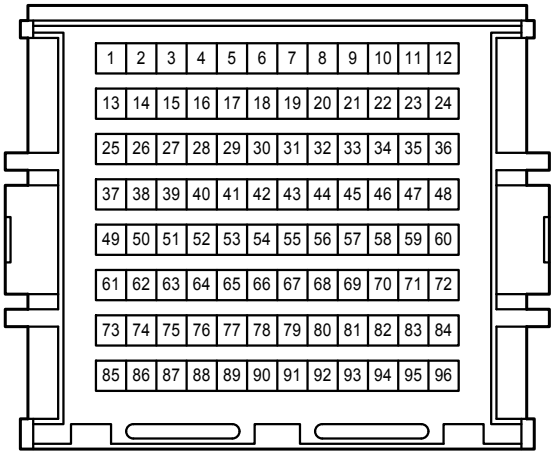


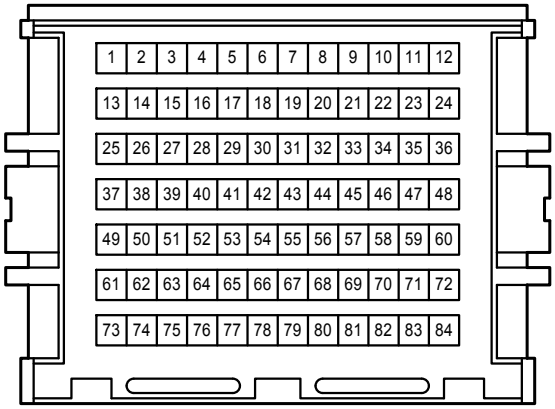
3A
White



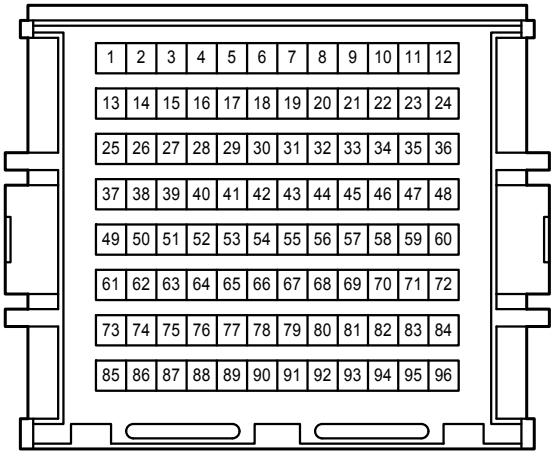
3B
White



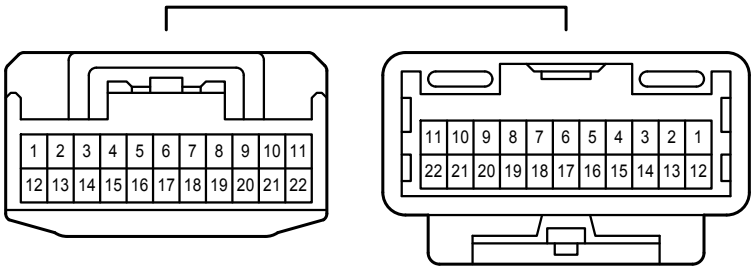
4A
White



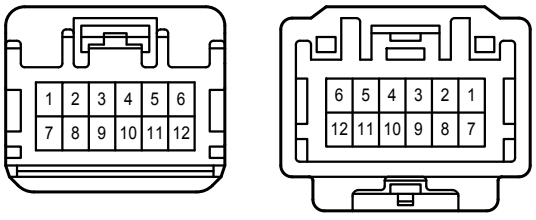
4B
White



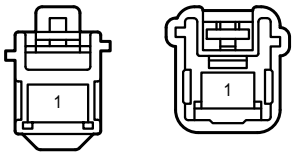
AL1
Blue

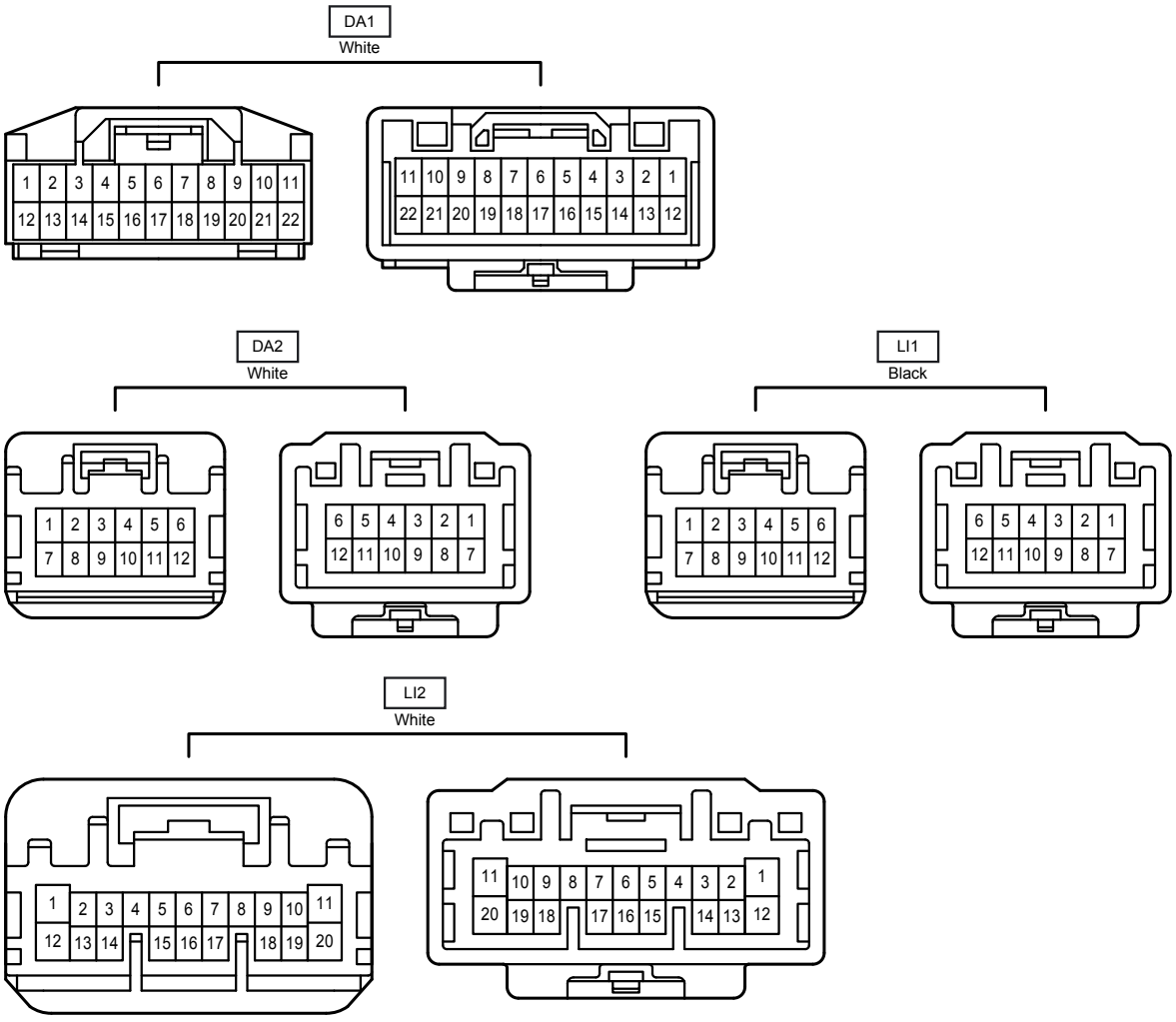


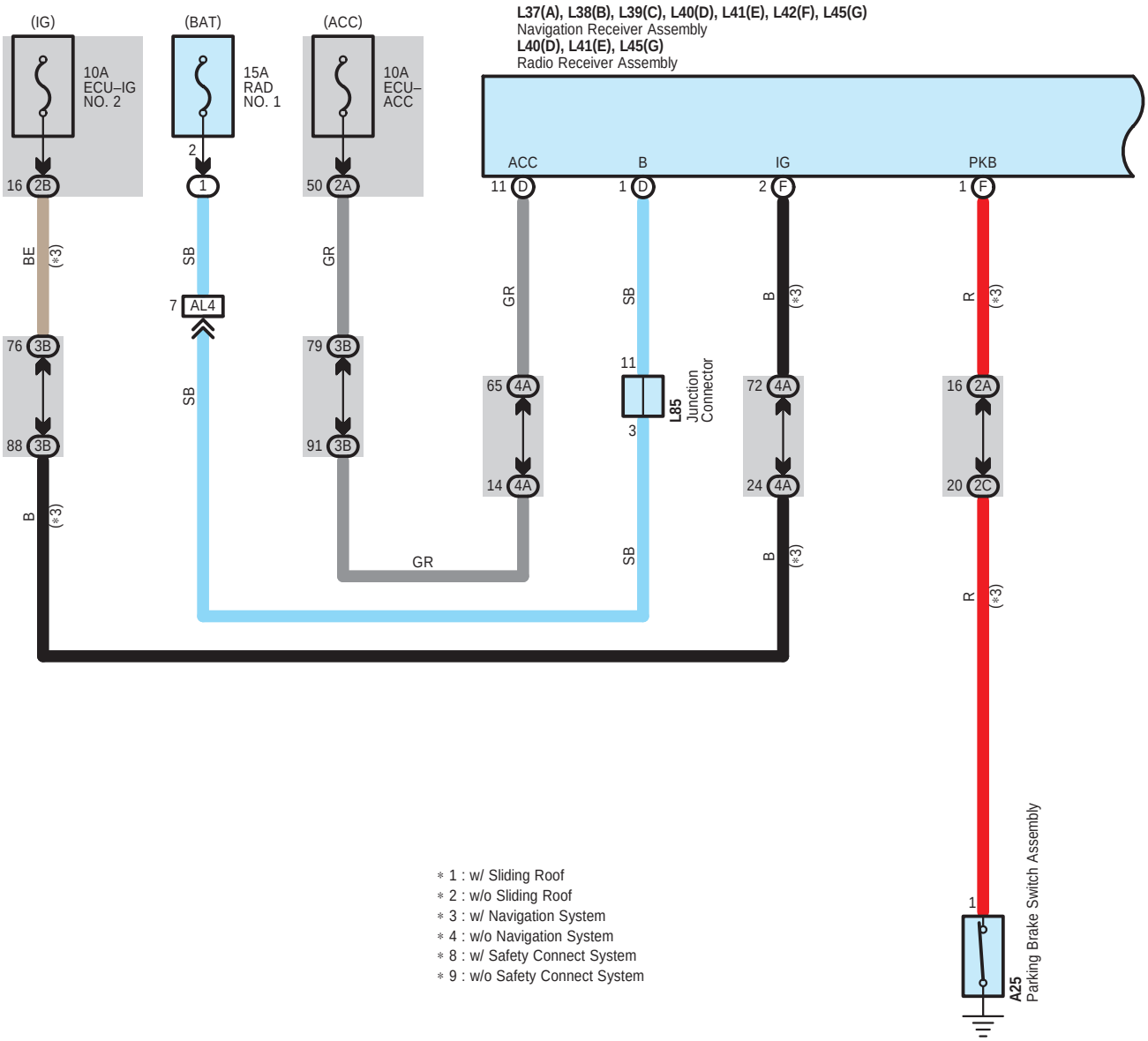
AL3
White

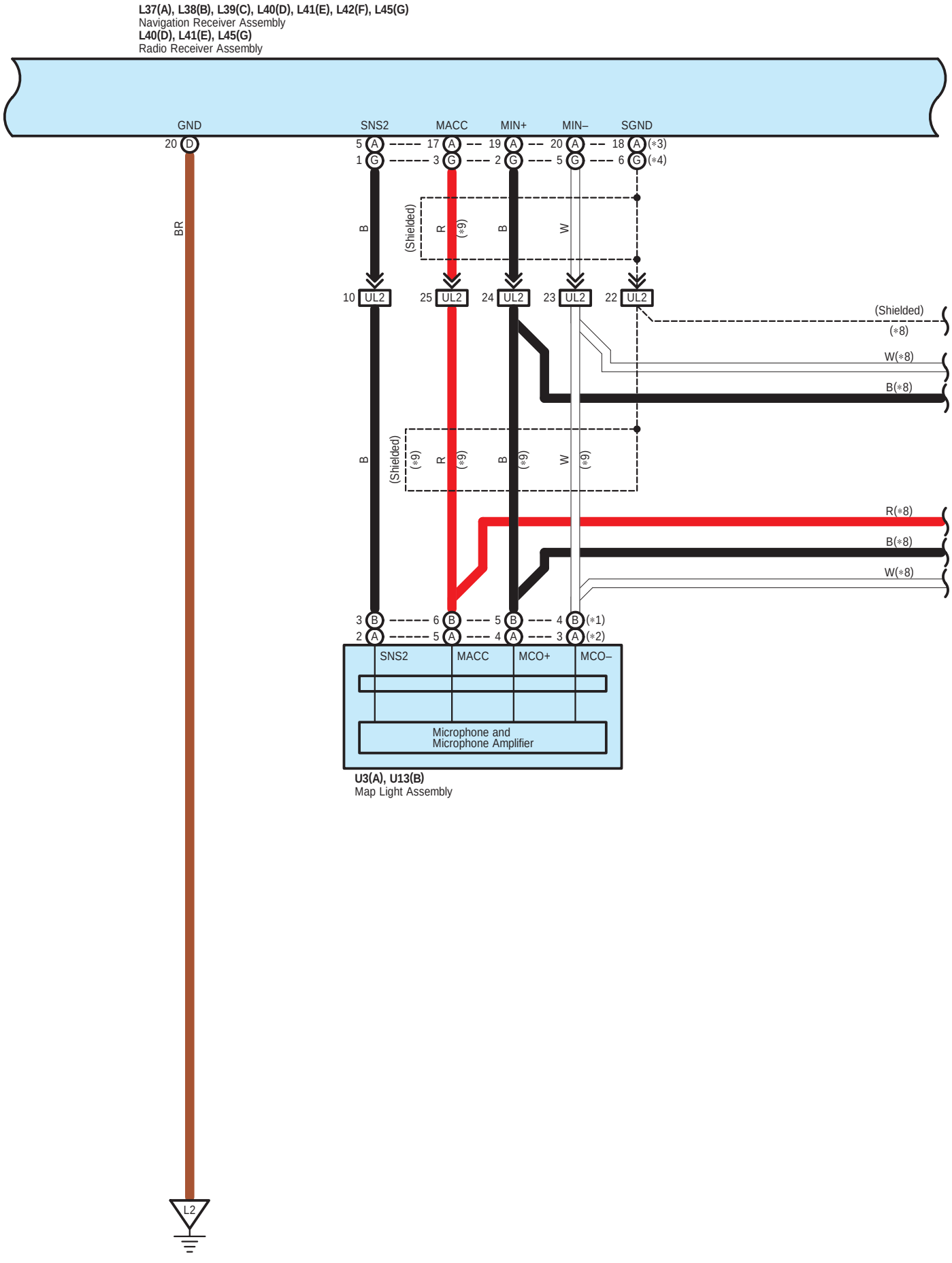


AL5
White

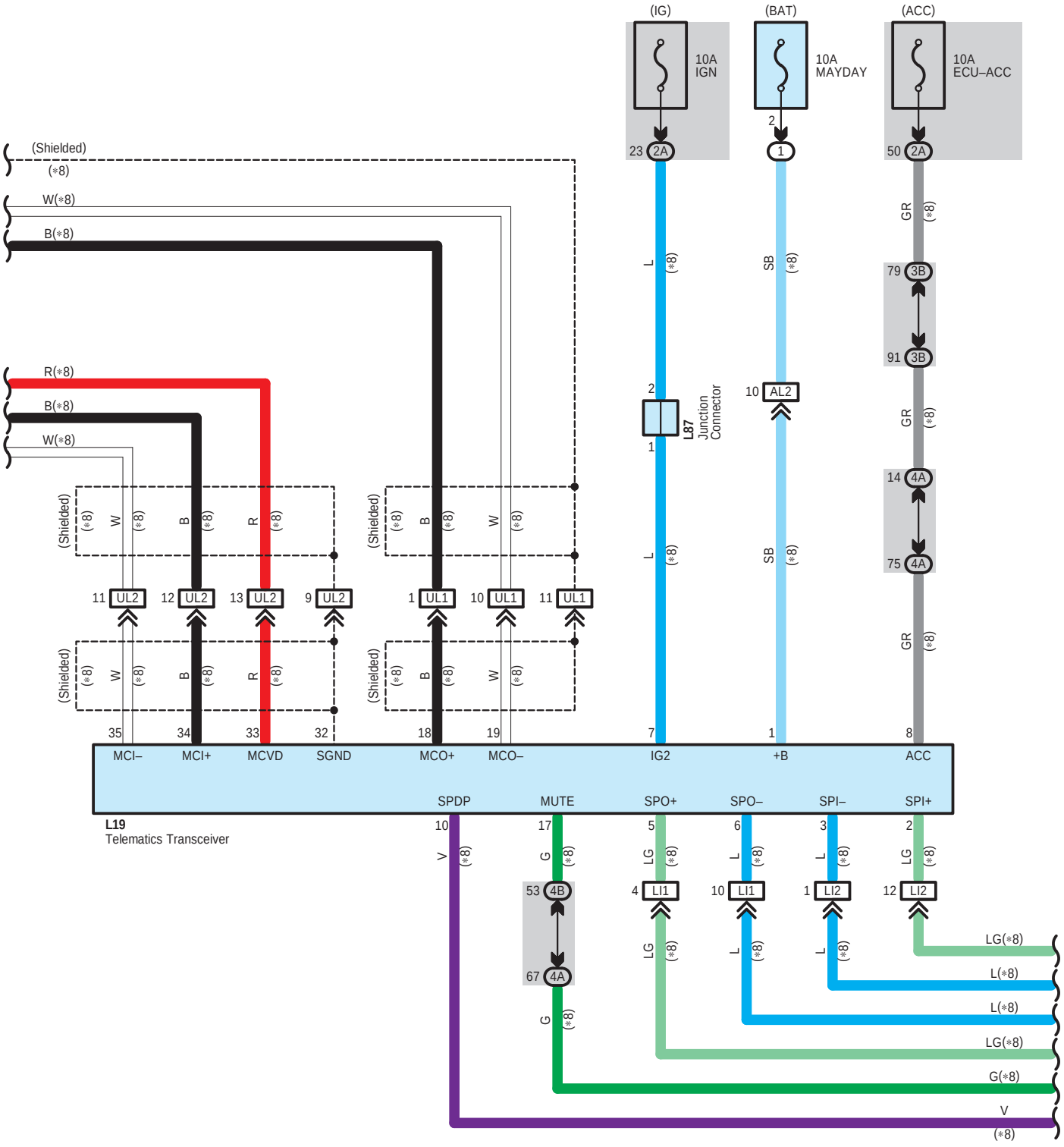



DA1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12
DA2
White
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7
LI1
Black
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7
LI2
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12

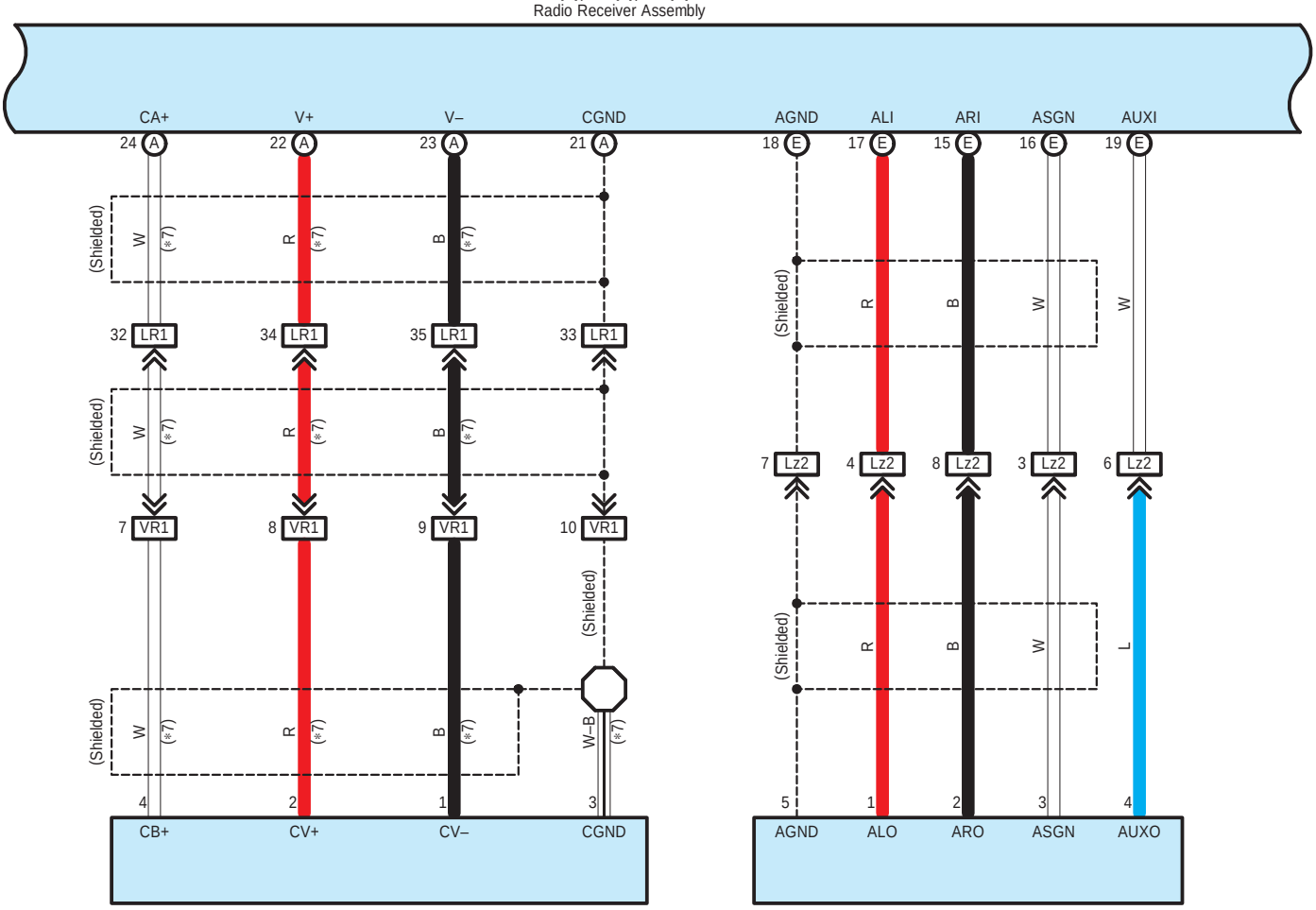

(IG)
(BAT)
(ACC)
10A
ECU–IG
NO. 2
15A
RAD
NO. 1
10A
ECU–
ACC
L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
ACC
B
IG
PKB
16 2B
2
1
50 2A
11 D
1 D
2 F
1 F
BE
(*3)
SB
GR
GR
SB
B
R
7 AL4
76 3B
79 3B
65 4A
11
72 4A
16 2A
88 3B
91 3B
14 4A
3
L85
Junction
Connector
24 4A
20 2C
B
SB
B
R
GR
(*3)
1
A25
Parking Brake Switch Assembly
* 1 : w/ Sliding Roof
* 2 : w/o Sliding Roof
* 3 : w/ Navigation System
* 4 : w/o Navigation System
* 8 : w/ Safety Connect System
* 9 : w/o Safety Connect System


L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
GND
SNS2
MACC
MIN+
MIN–
SGND
20 D
5 A
17 A
19 A
20 A
18 A (*3)
1 G
3 G
2 G
5 G
6 G (*4)
BR
B
(Shielded)
R (*9)
B
W
10 UL2
25 UL2
24 UL2
23 UL2
22 UL2
(Shielded)
(*8)
W(*8)
B(*8)
B
(Shielded)
(*9)
R (*9)
B (*9)
W (*9)
R(*8)
B(*8)
W(*8)
3 B
6 B
5 B
4 B (*1)
2 A
5 A
4 A
3 A (*2)
SNS2
MACC
MCO+
MCO–
Microphone and
Microphone Amplifier
U3(A), U13(B)
Map Light Assembly
L2

L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly



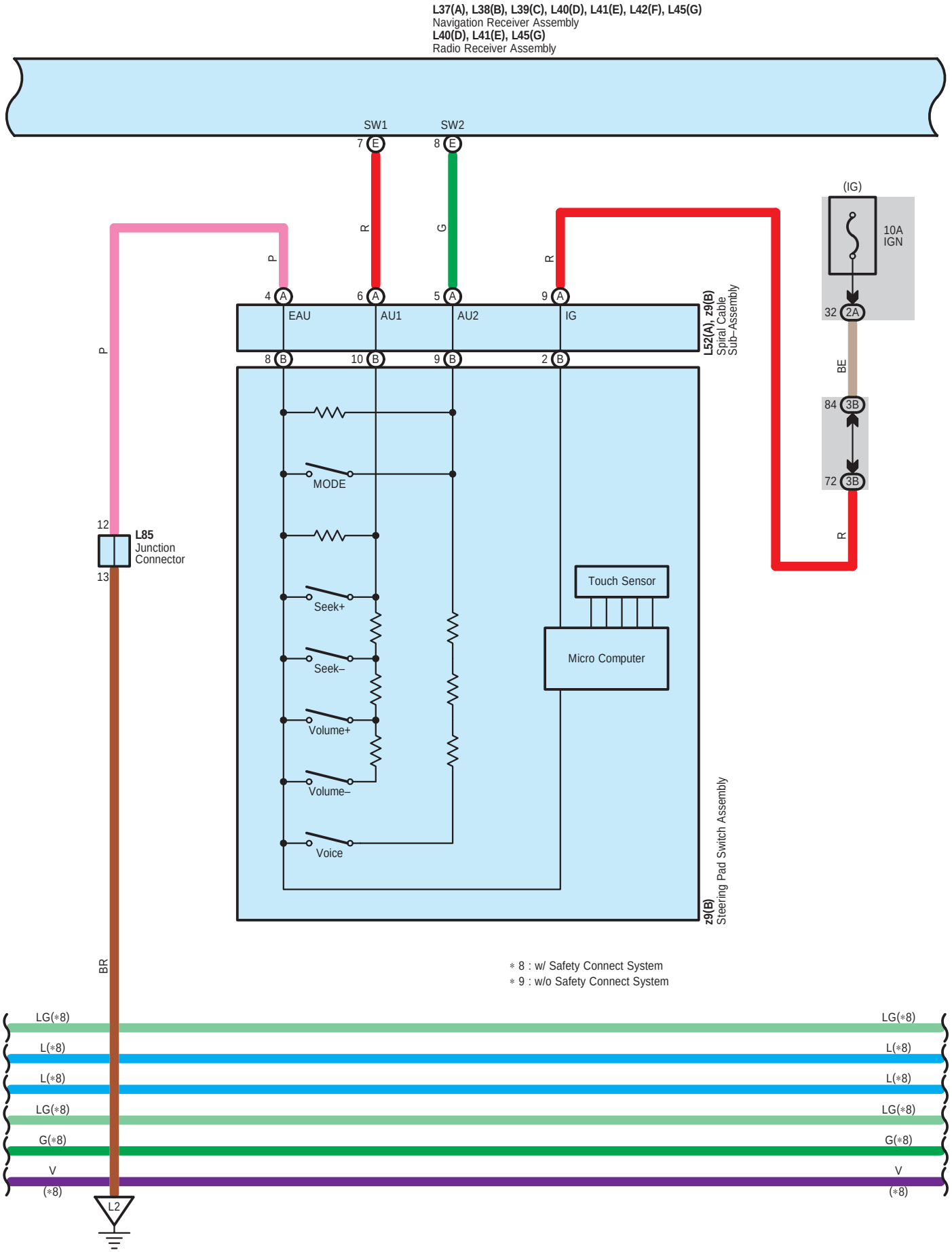
L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly

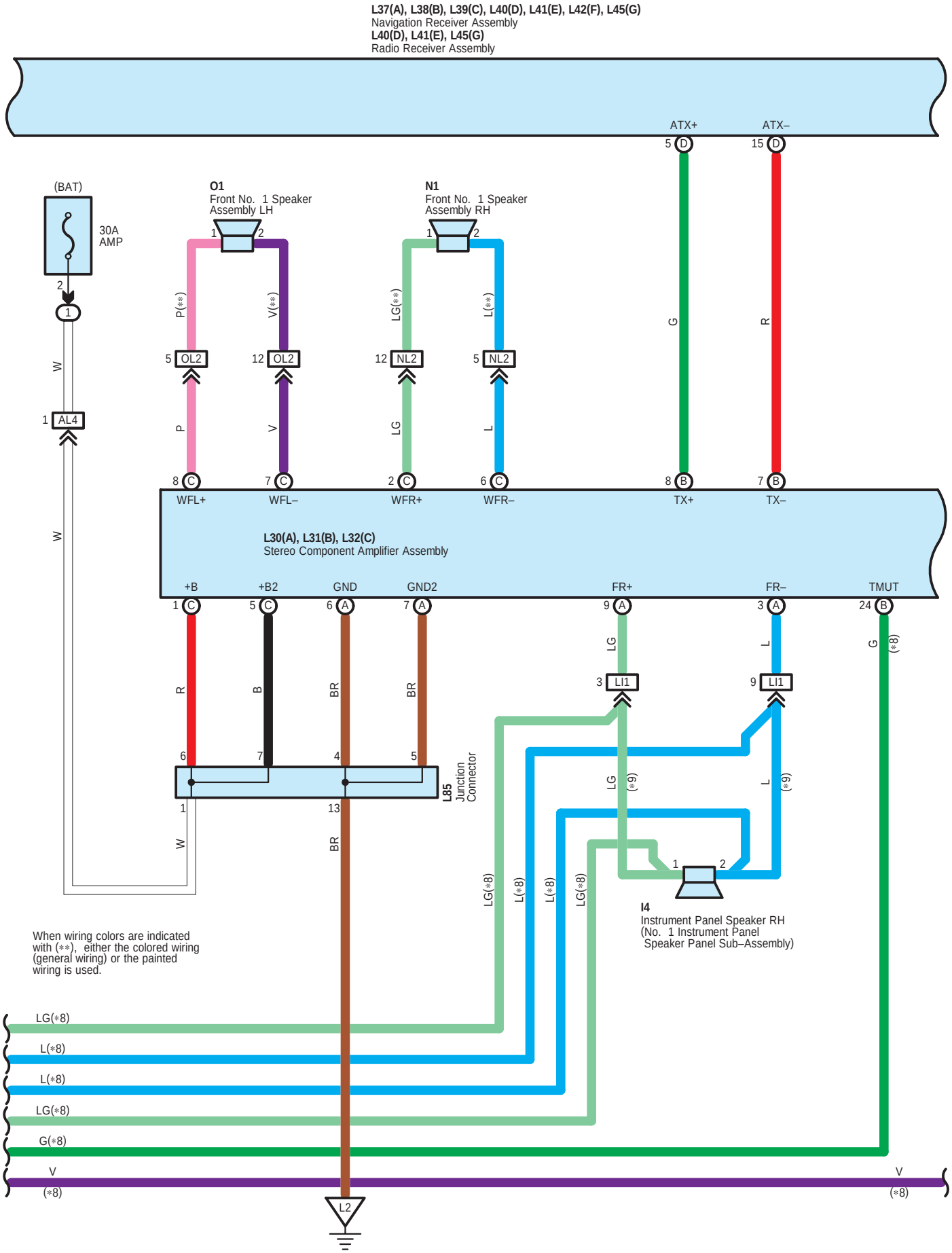


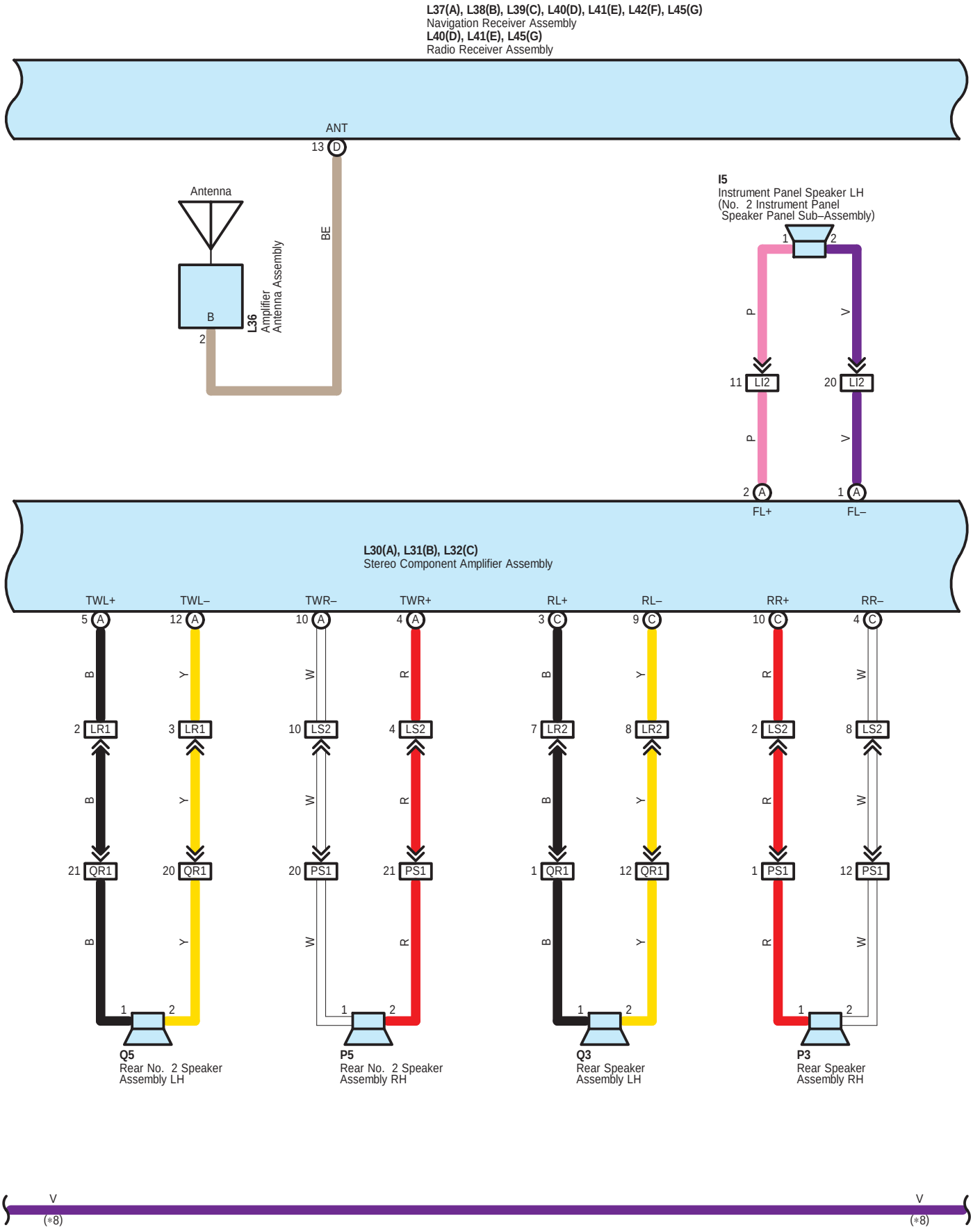
V6
Rear Television Camera Assembly

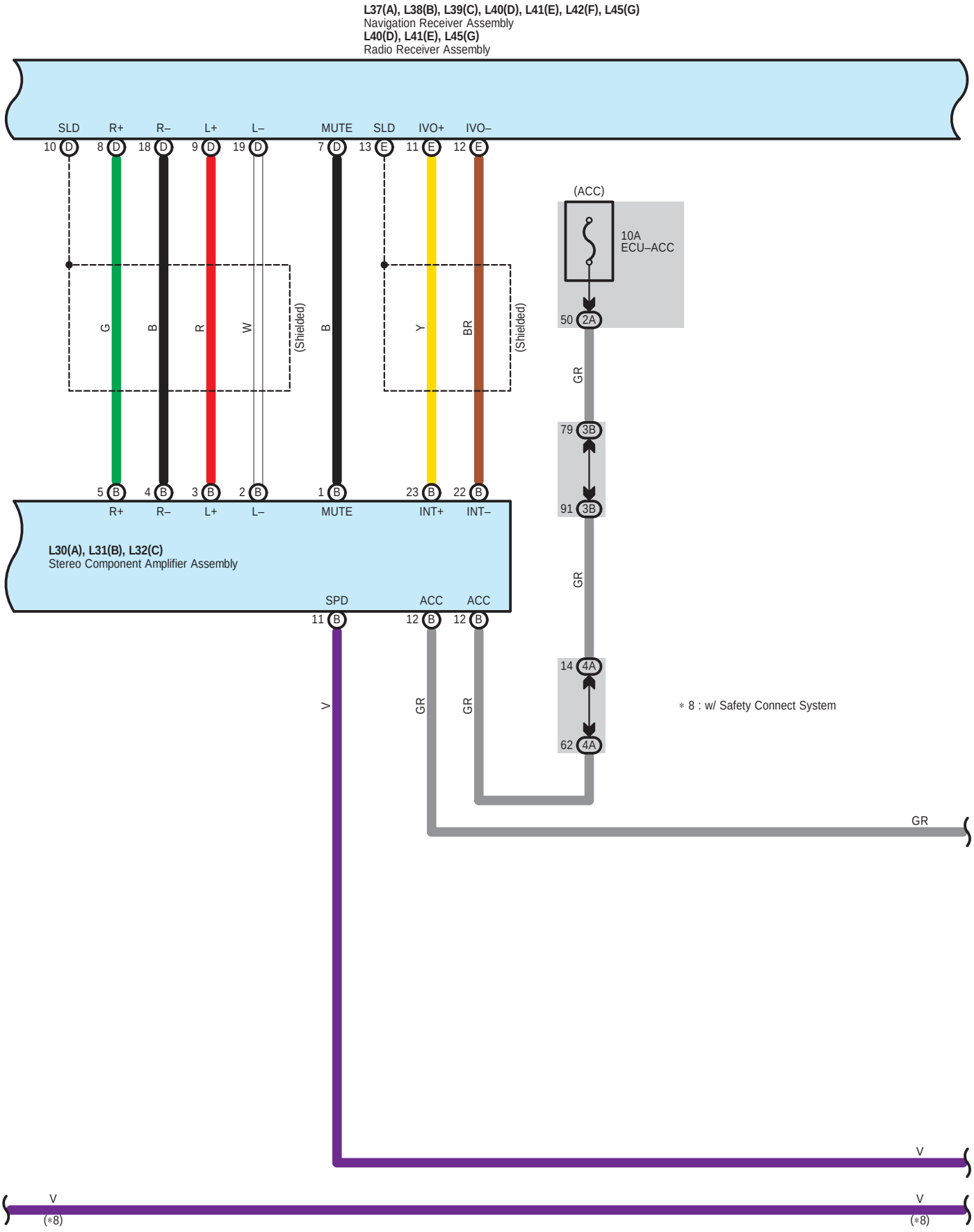
z19
No. 1 Stereo Jack
Adapter Assembly

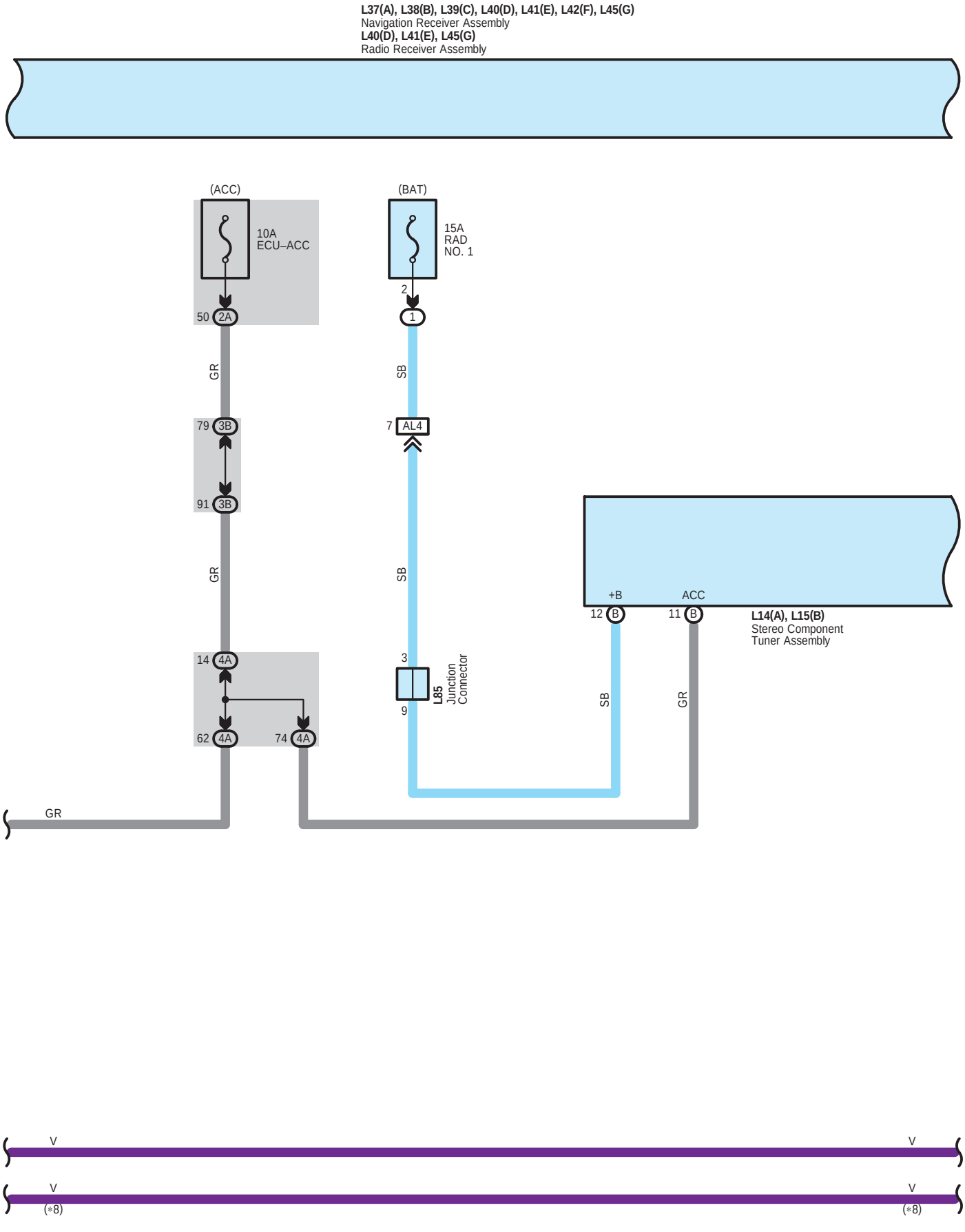
∗ 7 : w/ Rear View Monitor
∗ 8 : w/ Safety Connect System

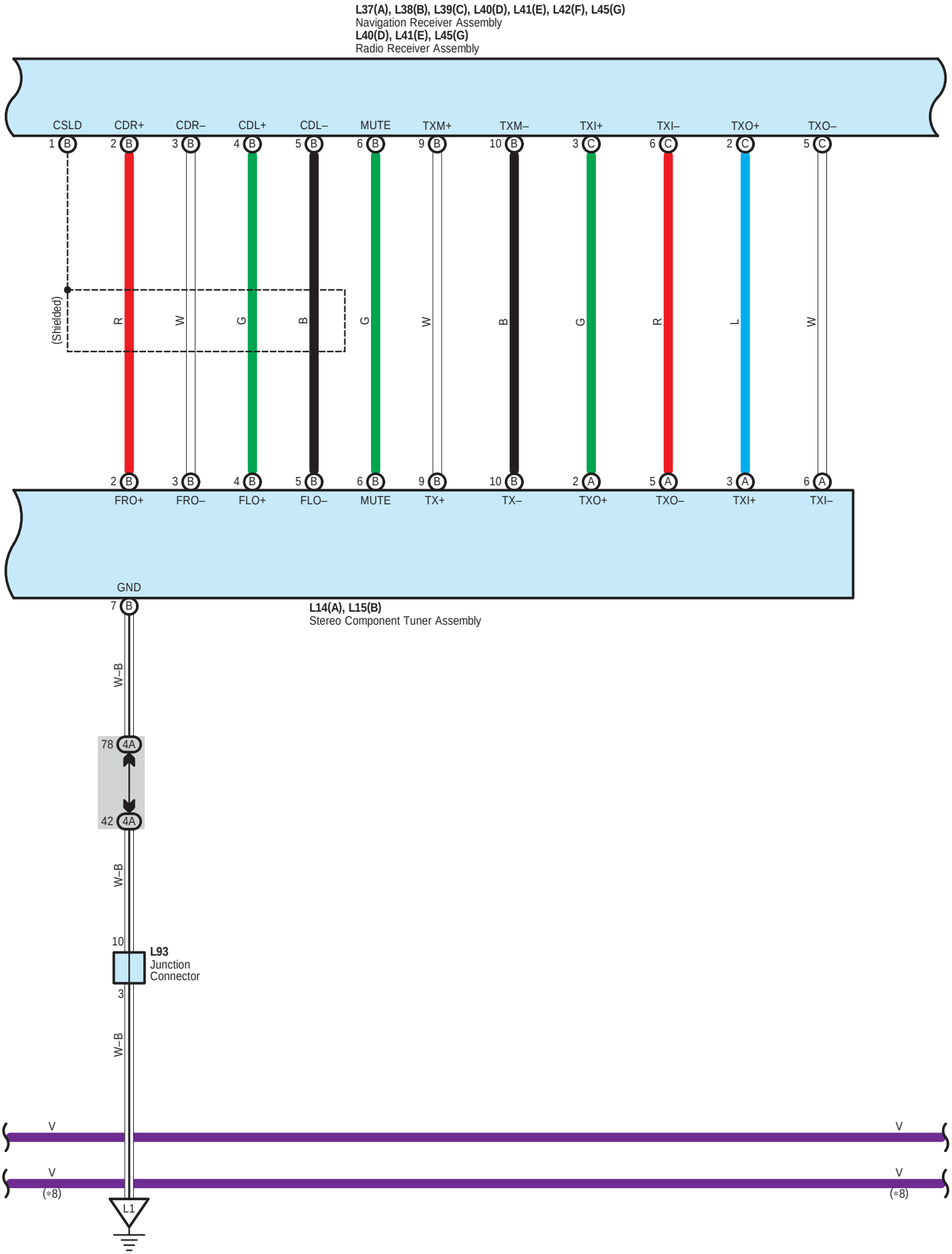

L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
SW1
SW2
7 E
8 E
R
G
P
R
(IG)
10A
IGN
32 2A
BE
84 3B
72 3B
R
4 A
6 A
5 A
9 A
EAU
AU1
AU2
IG
L52(A), z9(B)
Spiral Cable
Sub-Assembly
8 B
10 B
9 B
2 B
MODE
Seek+
Seek–
Volume+
Volume–
Voice
Touch Sensor
Micro Computer
z9(B)
Steering Pad Switch Assembly
P
12
L85
Junction
Connector
13
BR
∗ 8 : w/ Safety Connect System
∗ 9 : w/o Safety Connect System
LG(∗8)
L(∗8)
L(∗8)
LG(∗8)
G(∗8)
V
(∗8)
L2

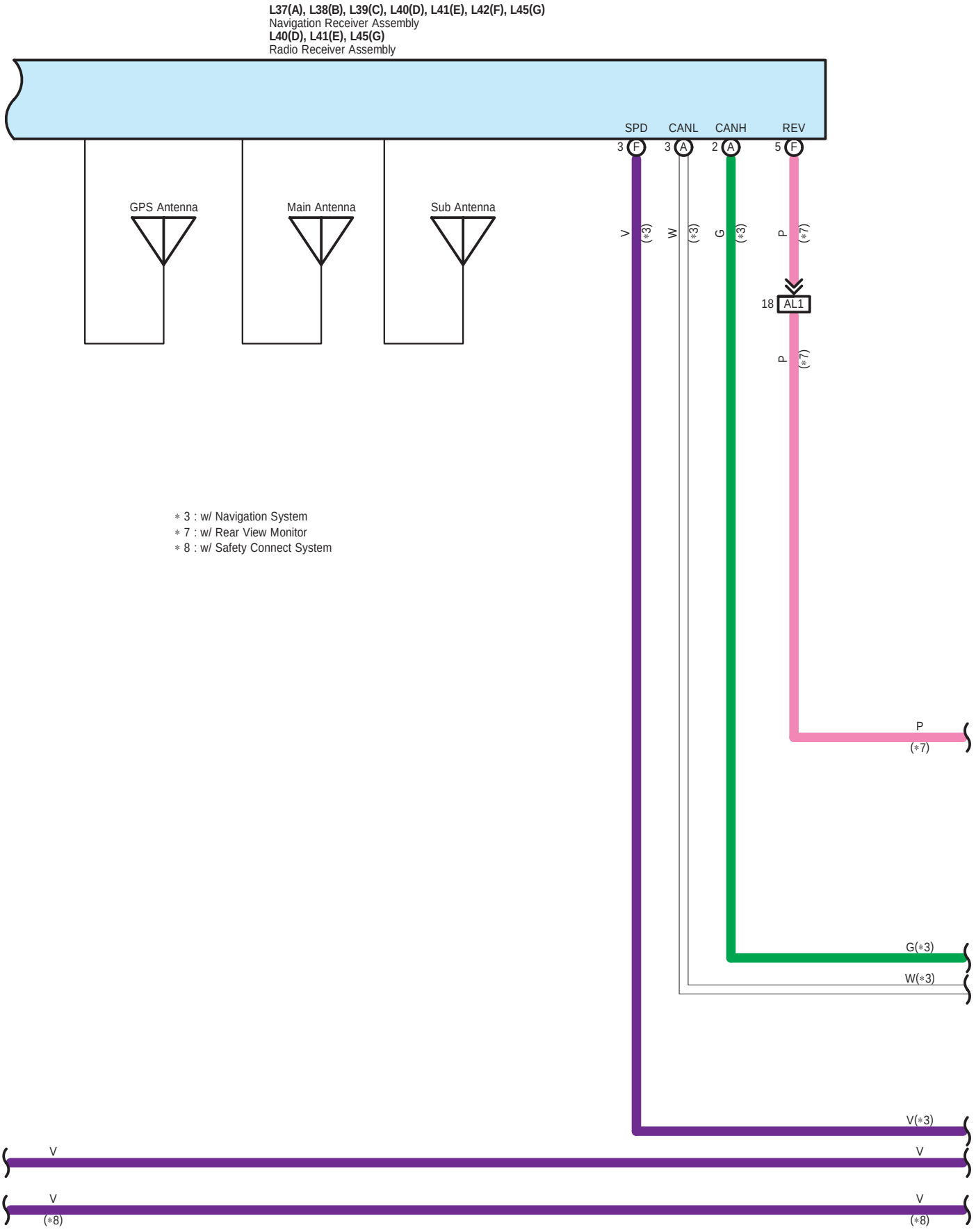

L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
ATX+
ATX–
(BAT)
30A AMP
O1
Front No. 1 Speaker Assembly LH
N1
Front No. 1 Speaker Assembly RH
WFL+
WFL–
WFR+
WFR–
TX+
TX–
L30(A), L31(B), L32(C)
Stereo Component Amplifier Assembly
+B
+B2
GND
GND2
FR+
FR–
TMUT
L85
Junction Connector
I4
Instrument Panel Speaker RH (No. 1 Instrument Panel Speaker Panel Sub–Assembly)
When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.
LG(*8)
L(*8)
L(*8)
LG(*8)
G(*8)
V (*8)
V (*8)
L2

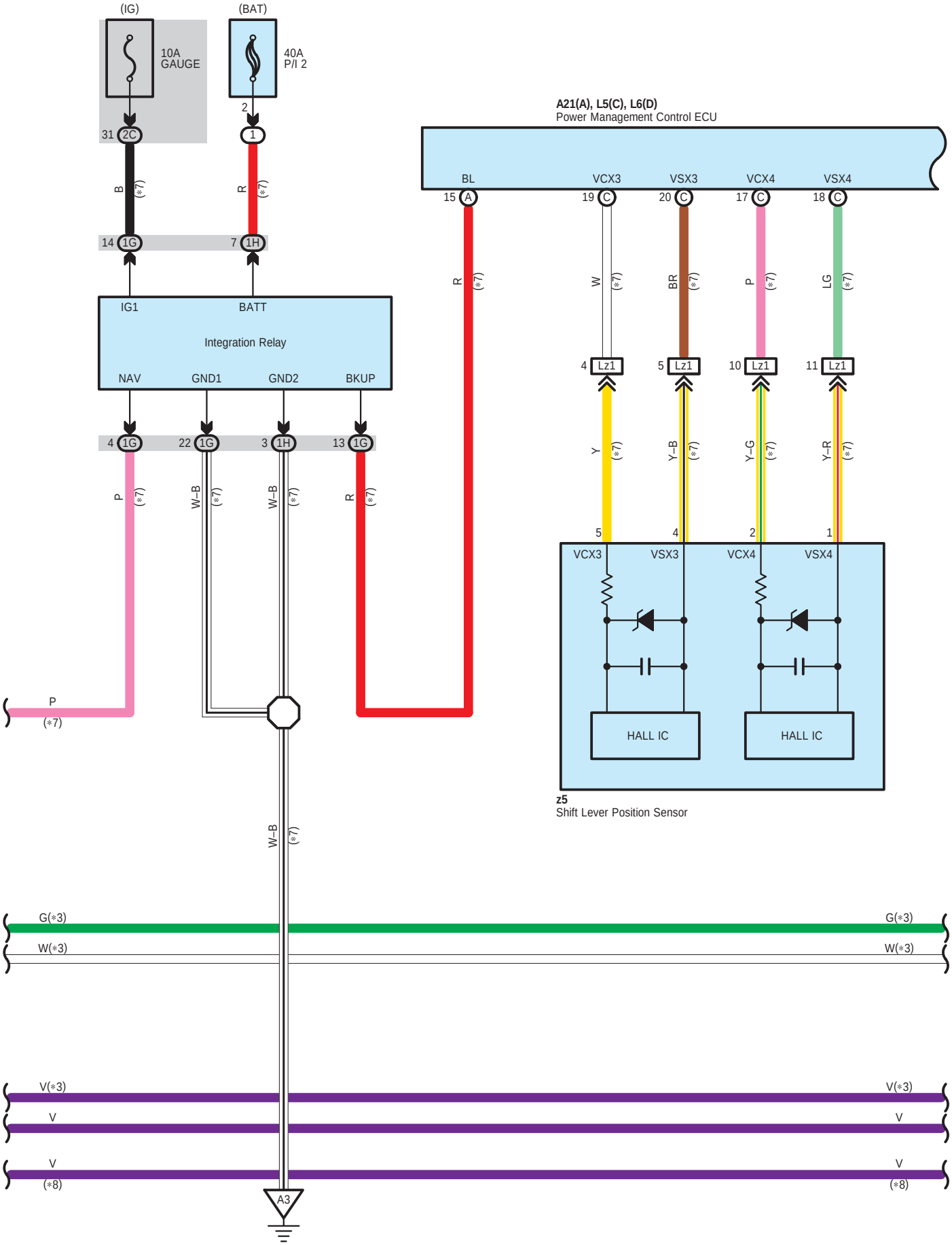

L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
ANT
13 D
BE
Antenna
B
2
L36
Amplifier
Antenna Assembly
I5
Instrument Panel Speaker LH
(No. 2 Instrument Panel
Speaker Panel Sub–Assembly)
1
2
P
V
11 LI2
20 LI2
P
V
2 A
1 A
FL+
FL–
L30(A), L31(B), L32(C)
Stereo Component Amplifier Assembly
TWL+
TWL–
TWR–
TWR+
RL+
RL–
RR+
RR–
5 A
12 A
10 A
4 A
3 C
9 C
10 C
4 C
B
Y
W
R
B
Y
R
W
2 LR1
3 LR1
10 LS2
4 LS2
7 LR2
8 LR2
2 LS2
8 LS2
B
Y
W
R
B
Y
R
W
21 QR1
20 QR1
20 PS1
21 PS1
1 QR1
12 QR1
1 PS1
12 PS1
B
Y
W
R
B
Y
R
W
1
2
1
2
1
2
1
2
Q5
Rear No. 2 Speaker
Assembly LH
P5
Rear No. 2 Speaker
Assembly RH
Q3
Rear Speaker
Assembly LH
P3
Rear Speaker
Assembly RH
V
(*8)
V
(*8)


L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
SLD
R+
R–
L+
L–
MUTE
SLD
IVO+
IVO–
10 D
8 D
18 D
9 D
19 D
7 D
13 E
11 E
12 E
G
B
R
W
(Shielded)
B
Y
BR
(Shielded)
(ACC)
10A
ECU–ACC
50 2A
GR
79 3B
91 3B
GR
14 4A
62 4A
5 B
4 B
3 B
2 B
1 B
23 B
22 B
R+
R–
L+
L–
MUTE
INT+
INT–
L30(A), L31(B), L32(C)
Stereo Component Amplifier Assembly
SPD
ACC
ACC
11 B
12 B
12 B
V
GR
GR
GR
V
V
(∗8)
V
(∗8)
∗ 8 : w/ Safety Connect System

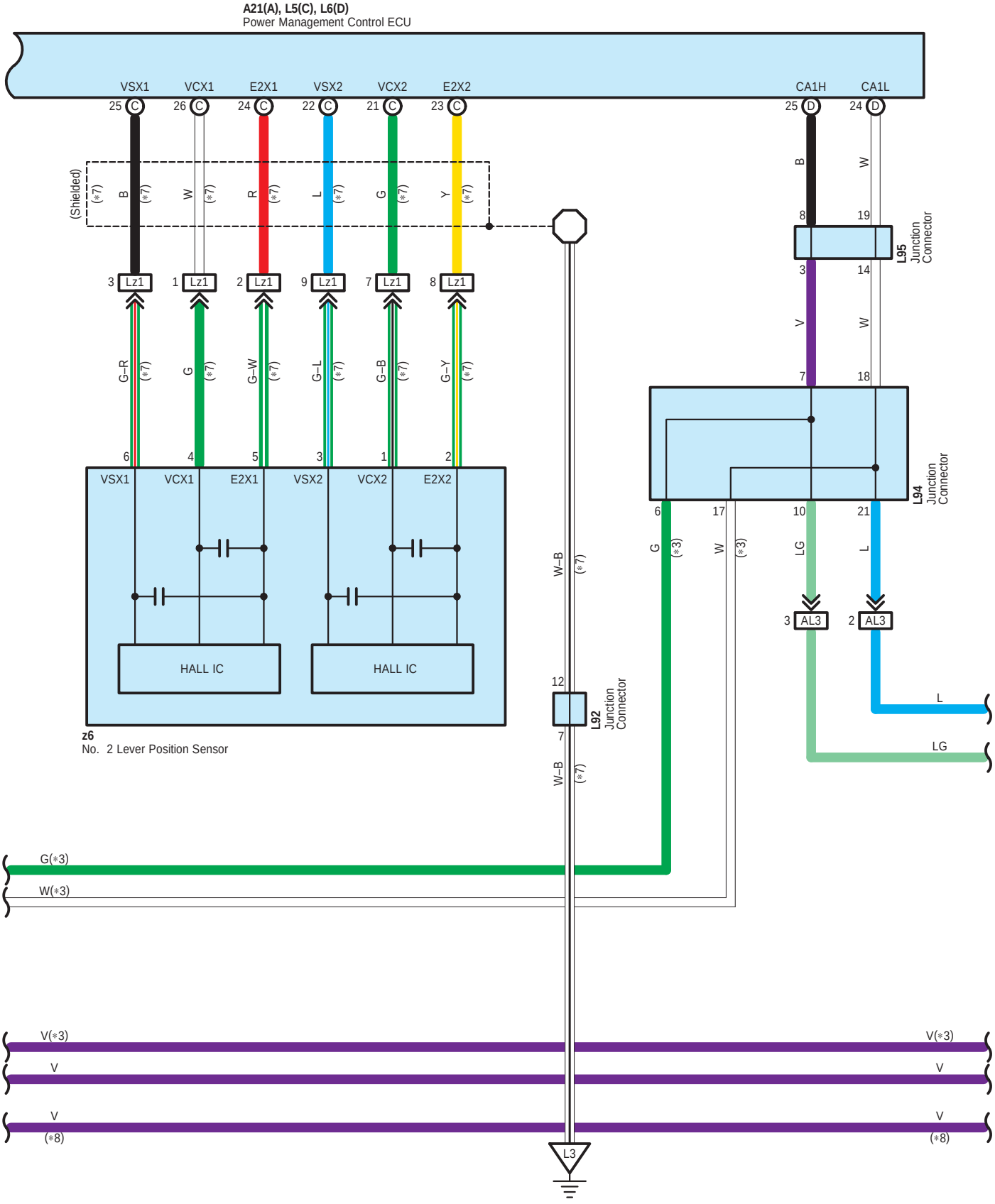

L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
(ACC)
10A
ECU–ACC
50 2A
GR
79 3B
91 3B
GR
14 4A
62 4A
74 4A
GR
(BAT)
15A
RAD
NO. 1
2
1
SB
7 AL4
SB
3
9
L85
Junction
Connector
+B
12 B
SB
ACC
11 B
GR
L14(A), L15(B)
Stereo Component
Tuner Assembly
V
V
V
(*8)
V
(*8)

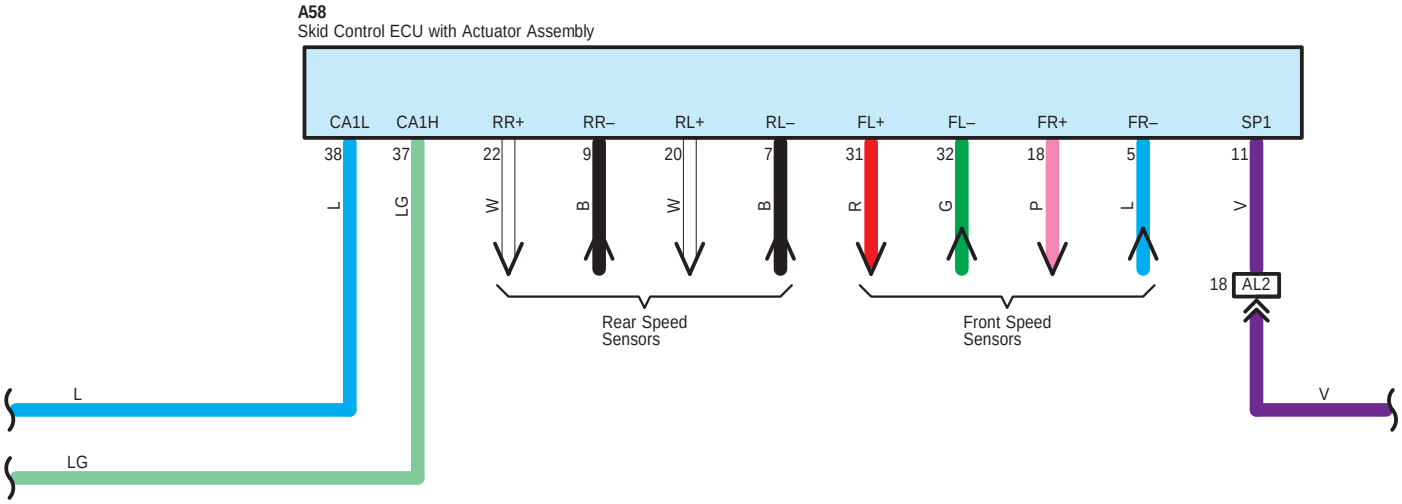

L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
CSLD
CDR+
CDR–
CDL+
CDL–
MUTE
TXM+
TXM–
TXI+
TXI–
TXO+
TXO–
(Shielded)
R
W
G
B
G
W
B
G
R
L
W
FRO+
FRO–
FLO+
FLO–
MUTE
TX+
TX–
TXO+
TXO–
TXI+
TXI–
GND
L14(A), L15(B)
Stereo Component Tuner Assembly
W–B
W–B
W–B
L93
Junction
Connector
V
V
V
V
(*8)
(*8)
L1


L37(A), L38(B), L39(C), L40(D), L41(E), L42(F), L45(G)
Navigation Receiver Assembly
L40(D), L41(E), L45(G)
Radio Receiver Assembly
SPD
CANL
CANH
REV
3 F
3 A
2 A
5 F
GPS Antenna
Main Antenna
Sub Antenna
V (*3)
W (*3)
G (*3)
P (*7)
18 AL1
P (*7)
* 3 : w/ Navigation System
* 7 : w/ Rear View Monitor
* 8 : w/ Safety Connect System
P (*7)
G(*3)
W(*3)
V(*3)
V
V
V (*8)
V (*8)

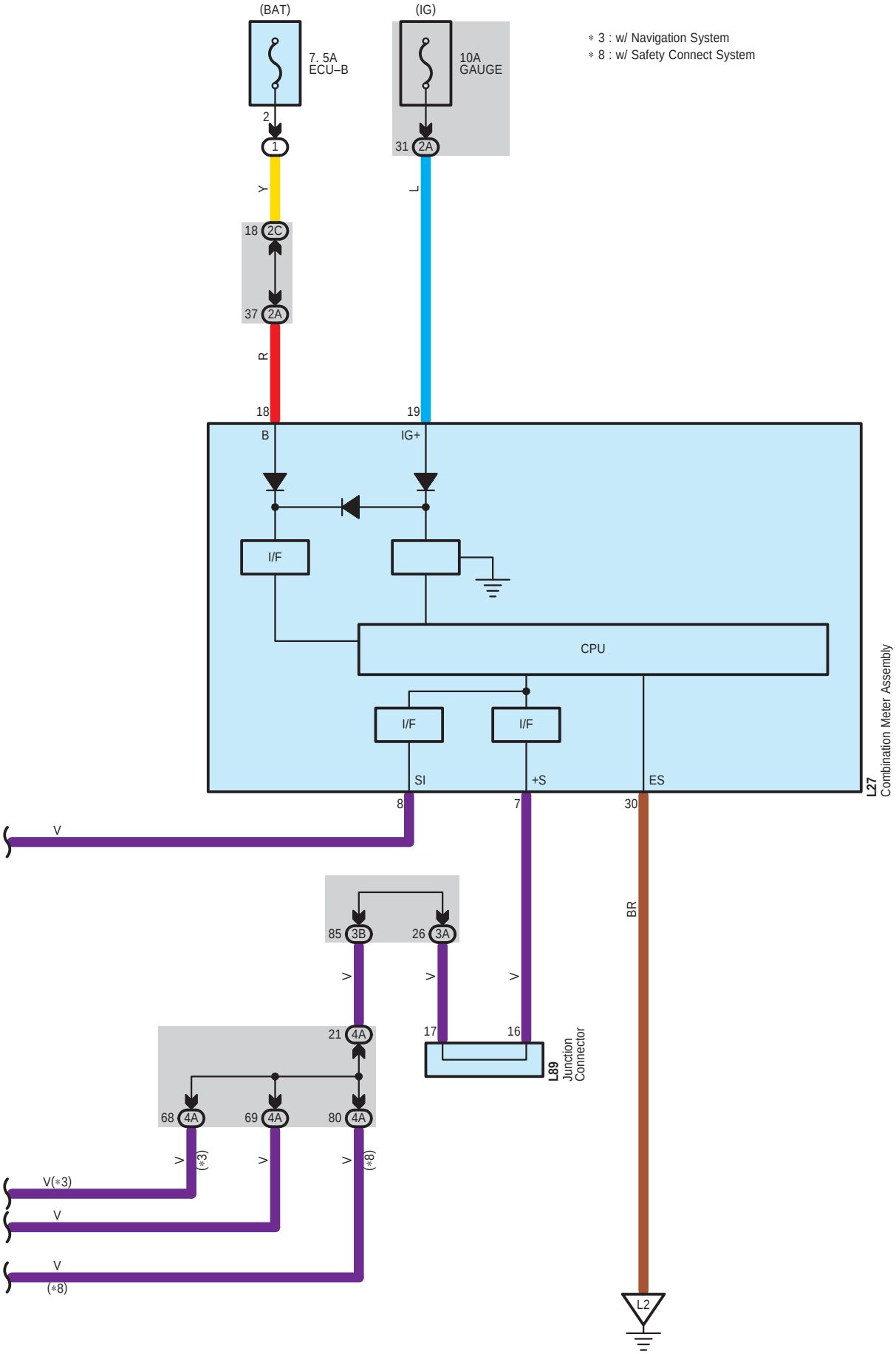

(IG)
(BAT)
10A
GAUGE
40A
P/I 2
31 2C
2
1
B (*7)
R (*7)
14 1G
7 1H
IG1
BATT
Integration Relay
NAV
GND1
GND2
BKUP
4 1G
22 1G
3 1H
13 1G
P (*7)
W–B (*7)
W–B (*7)
R (*7)
P
(*7)
W–B (*7)
A21(A), L5(C), L6(D)
Power Management Control ECU
BL
VCX3
VSX3
VCX4
VSX4
15 A
19 C
20 C
17 C
18 C
R (*7)
W (*7)
BR (*7)
P (*7)
LG (*7)
4 Lz1
5 Lz1
10 Lz1
11 Lz1
Y (*7)
Y–B (*7)
Y–G (*7)
Y–R (*7)
5
4
2
1
VCX3
VSX3
VCX4
VSX4
HALL IC
HALL IC
z5
Shift Lever Position Sensor
G(*3)
W(*3)
G(*3)
W(*3)
V(*3)
V
V
(*8)
V(*3)
V
V
(*8)
A3

∗ 3 : w/ Navigation System
∗ 7 : w/ Rear View Monitor
∗ 8 : w/ Safety Connect System

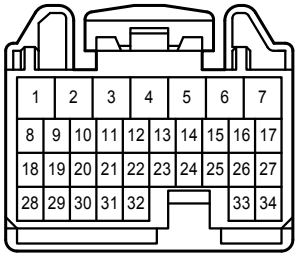



A58
Skid Control ECU with Actuator Assembly
CA1L
CA1H
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
SP1
38
37
22
9
20
7
31
32
18
5
11
L
LG
W
B
W
B
R
G
P
L
V
18
AL2
Rear Speed Sensors
Front Speed Sensors
L
LG
V

V(*3)
V(*3)
V
V
V
(*8)
V
(*8)

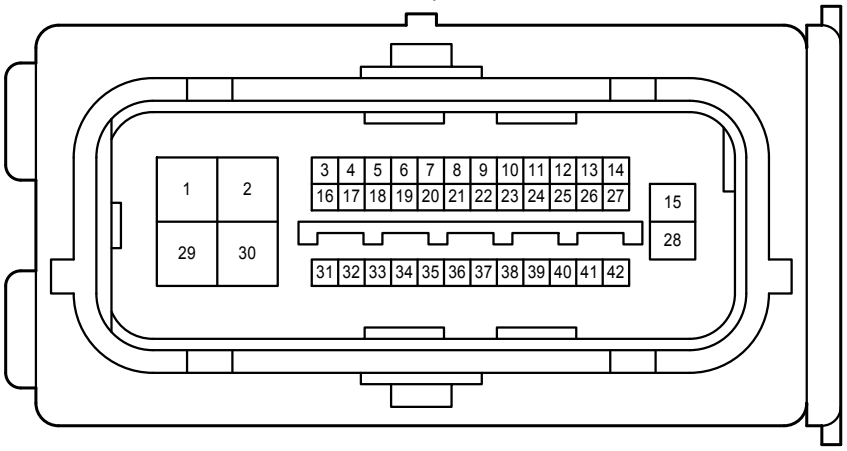

(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
∗ 3 : w/ Navigation System
∗ 8 : w/ Safety Connect System
2
1
31
2A
Y
L
18
2C
37
2A
R
18
19
B
IG+
I/F
CPU
I/F
I/F
SI
+S
ES
L27
Combination Meter Assembly
8
7
30
V
BR
85
3B
26
3A
V
V
V
21
4A
17
16
L89
Junction
Connector
68
4A
69
4A
80
4A
V
(∗3)
V
V
(∗8)
V(∗3)
V
V
(∗8)
L2

A 21
Gray

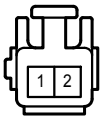


A 25
White

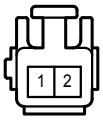
A 58
Gray



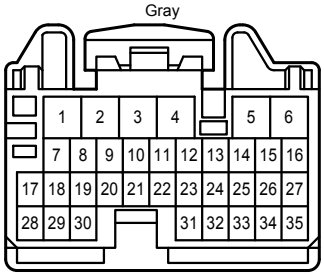
I 4
White



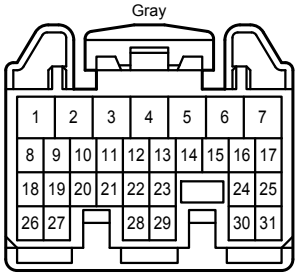
I 5
White



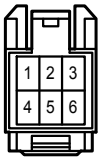
L 5
Gray



L 6
Gray

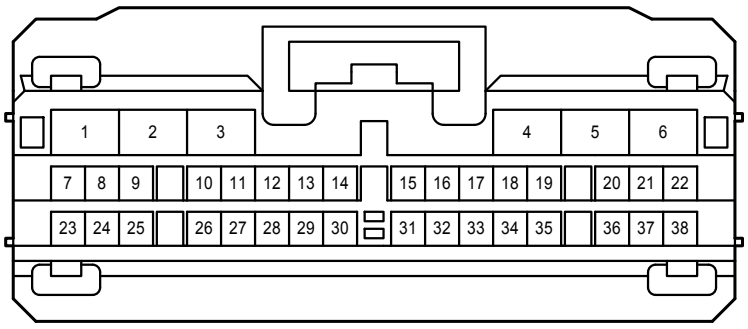


L 14
Blue

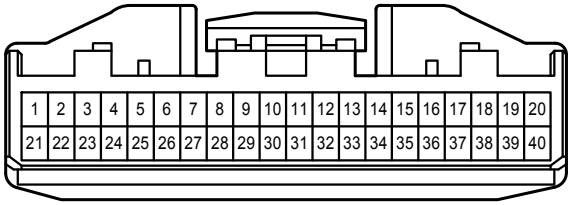


L 15
White

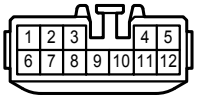
L 19
White



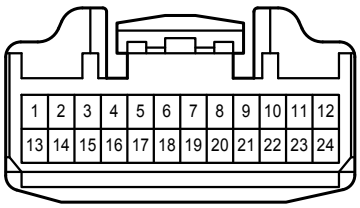
L 27
White



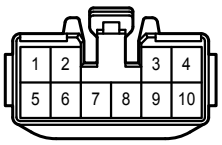
L 30
White



L 31
White

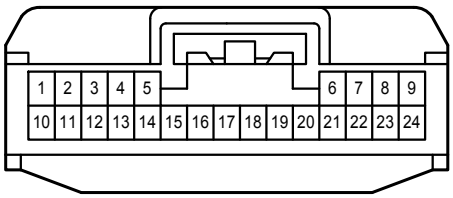


L 32
Blue



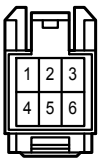
L 36
White

L 37
White

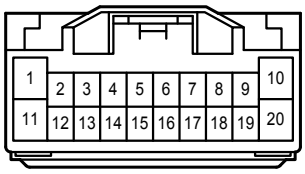


L 38
Black

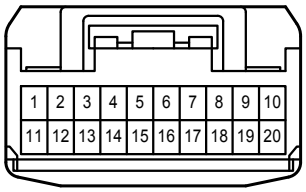
L 39
Blue



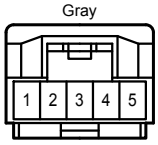
L 40
White



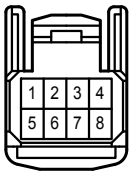
L 41
White



L 42
Gray

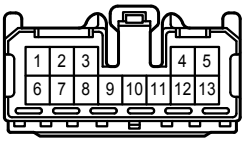


L 45
White

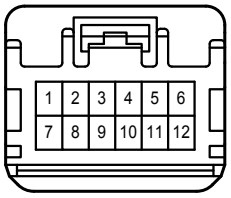


L 52
Black

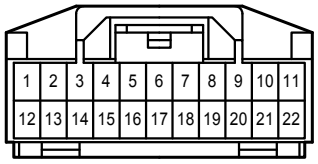
L 85
White



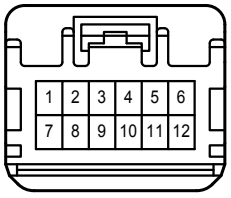
L 87
Black



L 89
Black



L 92
White



L 93
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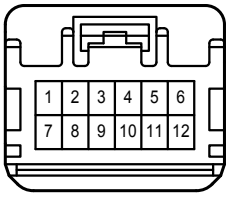

L 94
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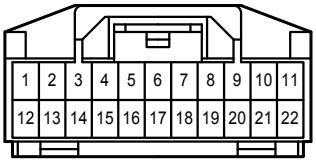

L 95
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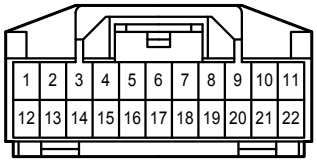
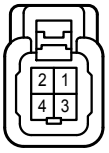


N 1
White

O 1
White

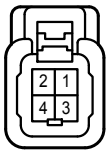
P 3
Black

P 5
White

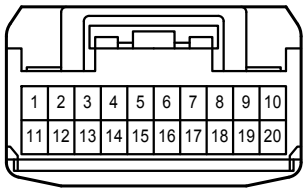


Q 3
Black

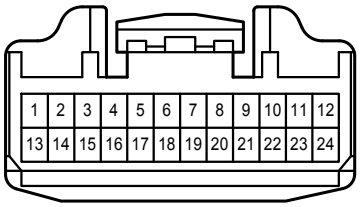
Q 5
White



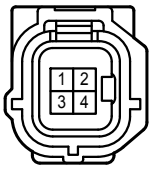
U 3
White



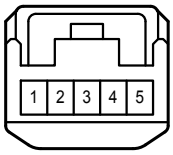
U 13
White



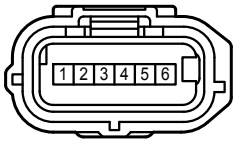
V 6
Black



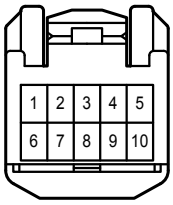
z 5
White



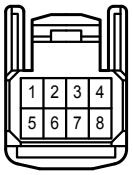
z 6
White



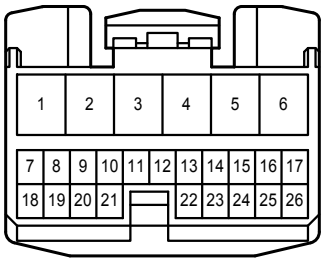
z 9
Black



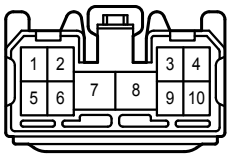
z 19
White



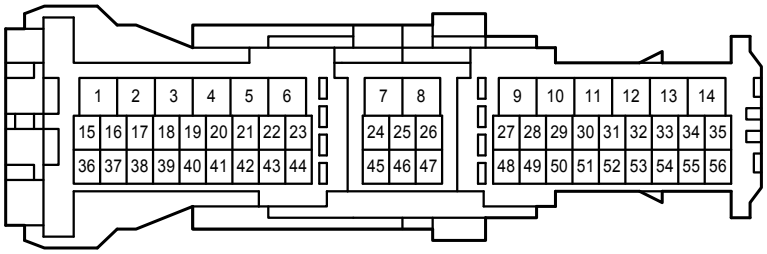
1G
White



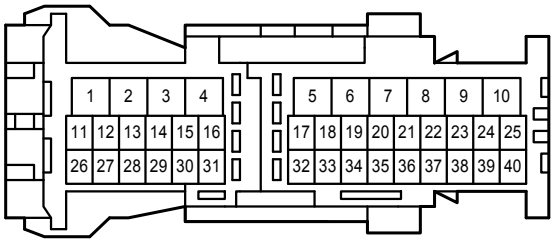
1H
White



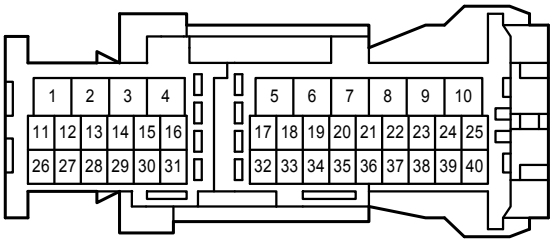
2A
White



2B
White



2C
White



3A
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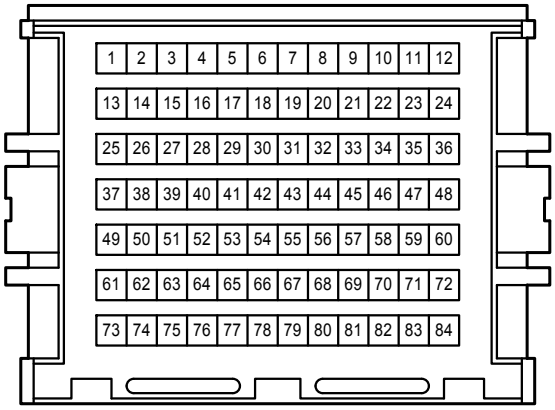
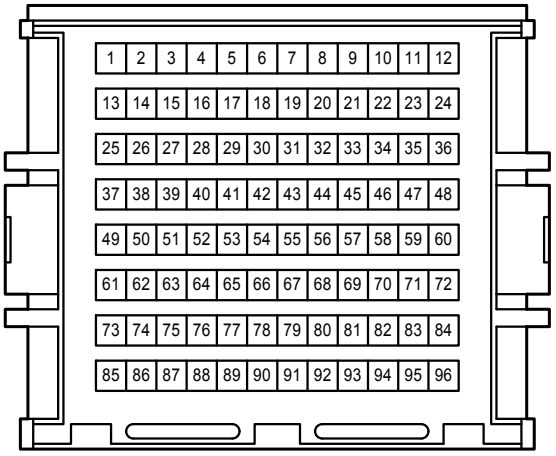
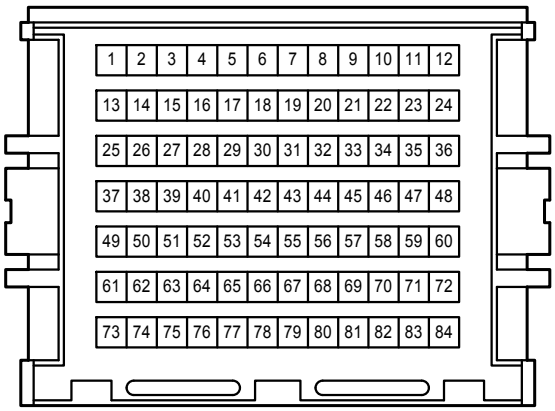


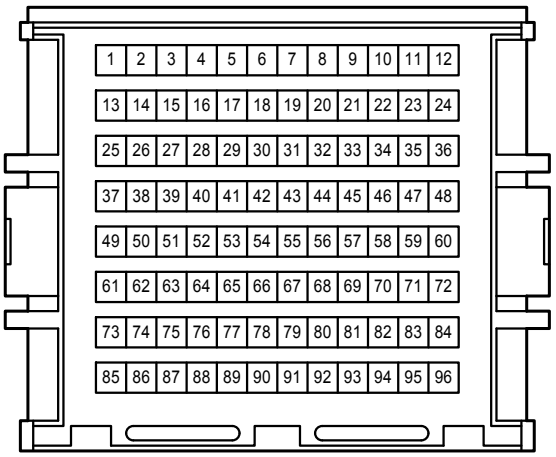
3B
White



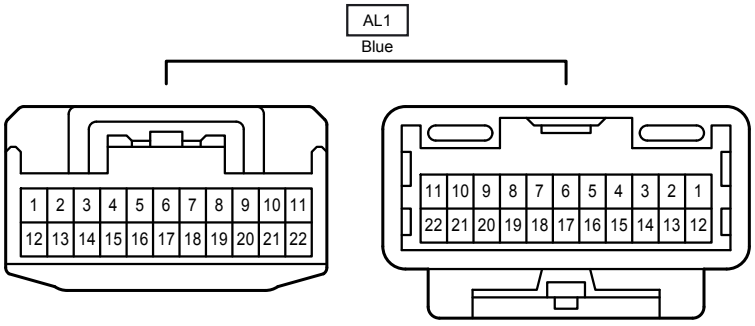
4A
White



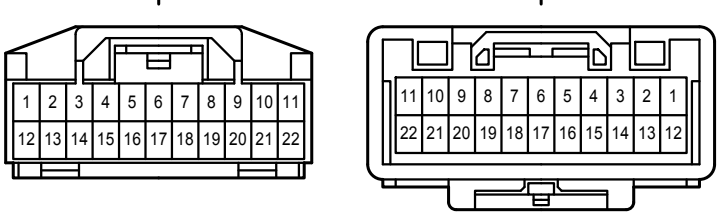
4B
White



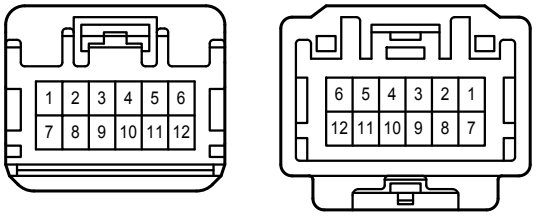
AL1
Blue



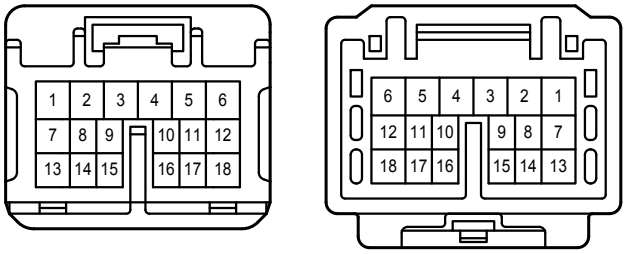
AL2
Gray



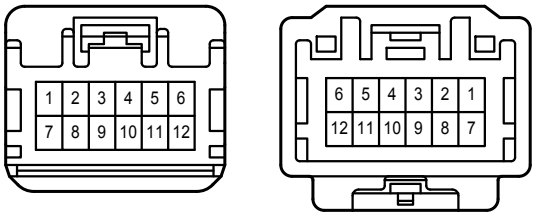
AL3
White



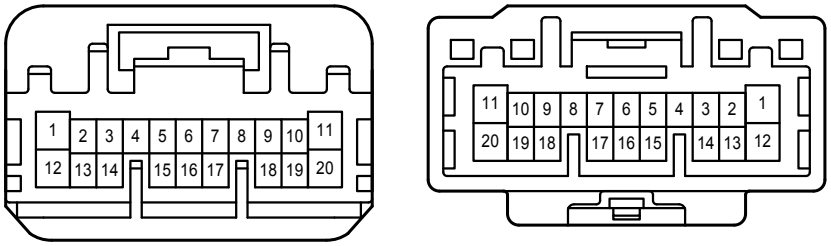
AL4
Black



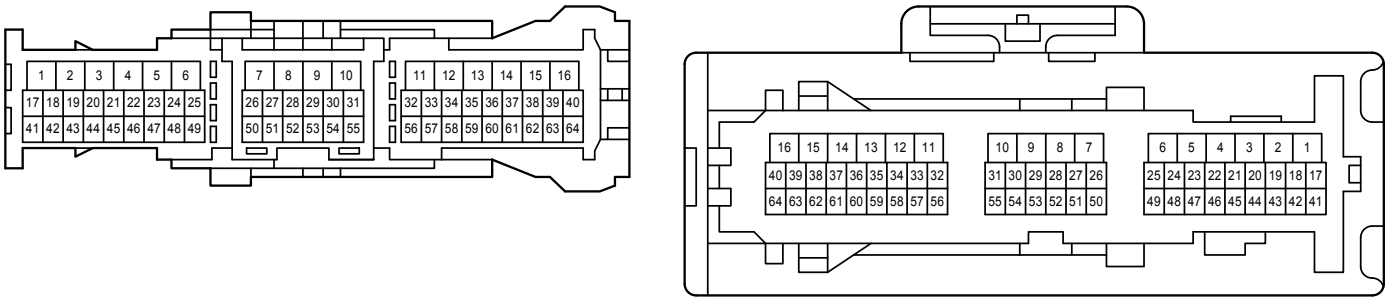
LI1
Black



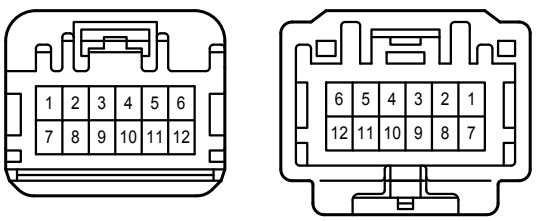
LI2
White



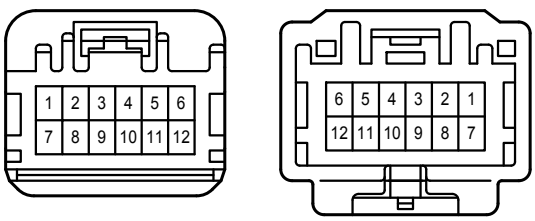
LR1
White



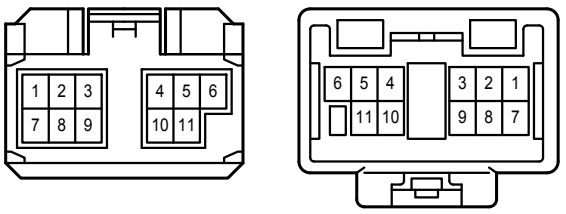
LR2
Black



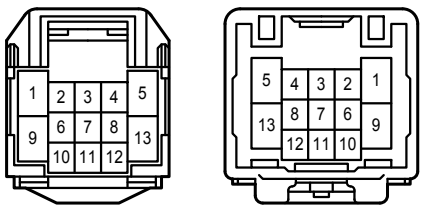
LS2
Black



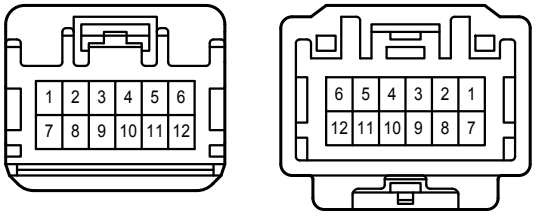
Lz1
White



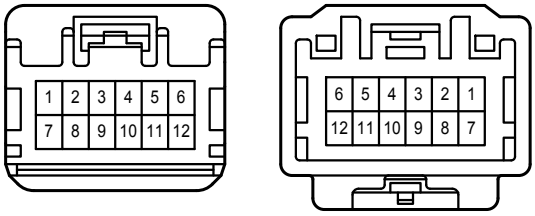
Lz2
White



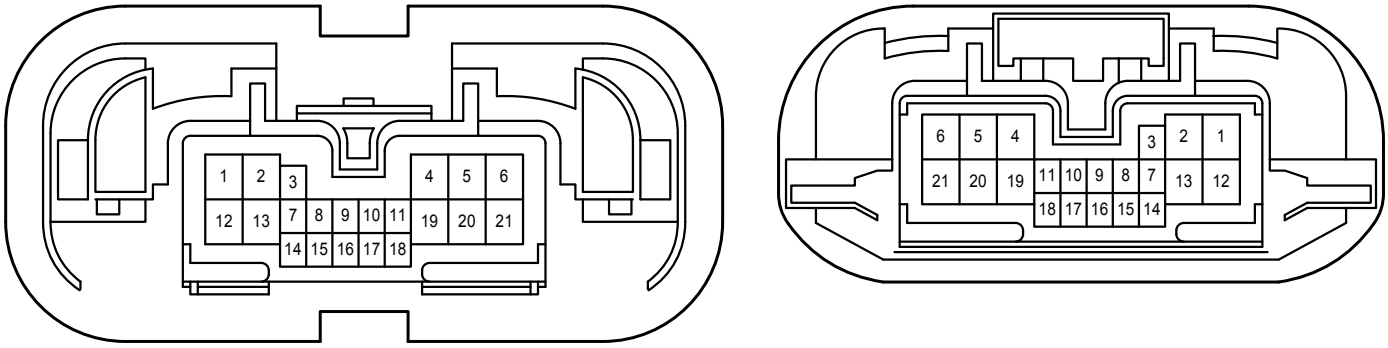
NL2
White



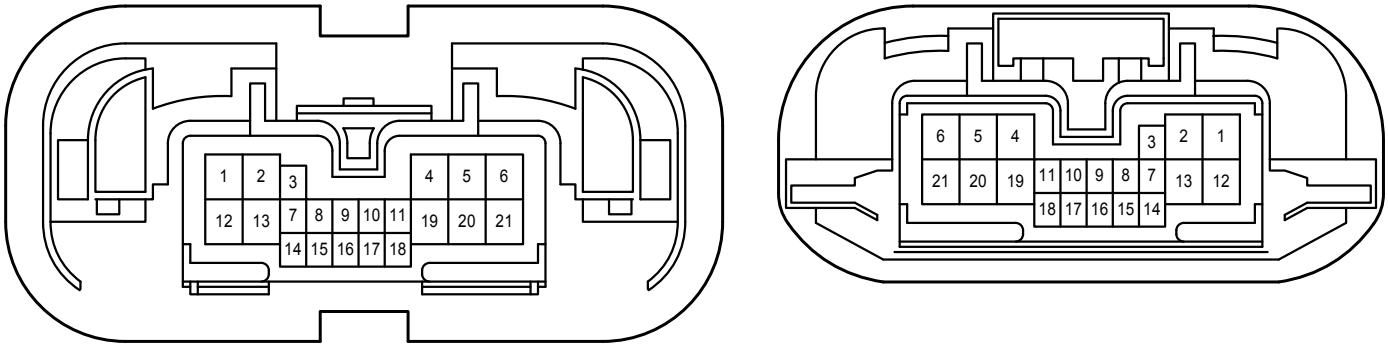
OL2
White

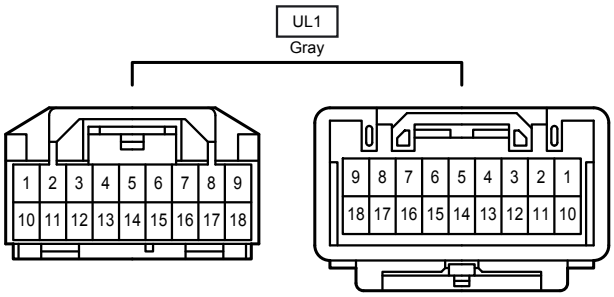


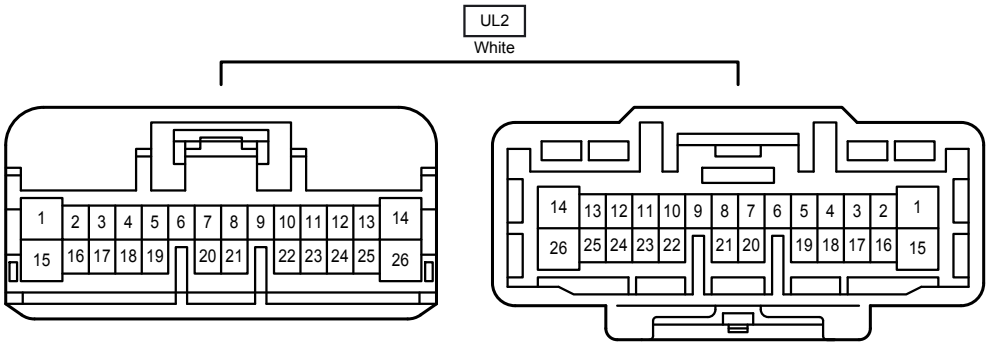
PS1
White

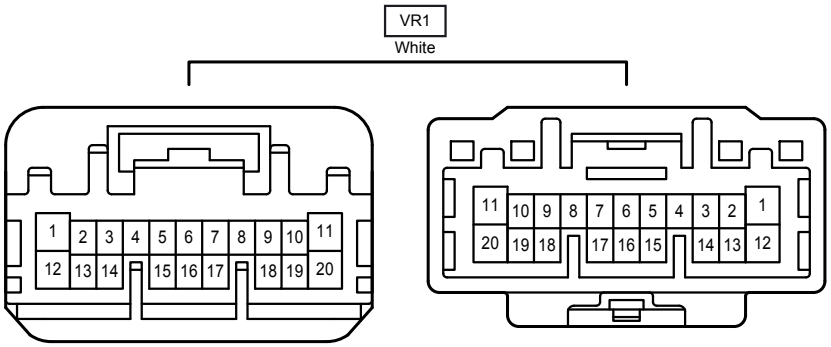


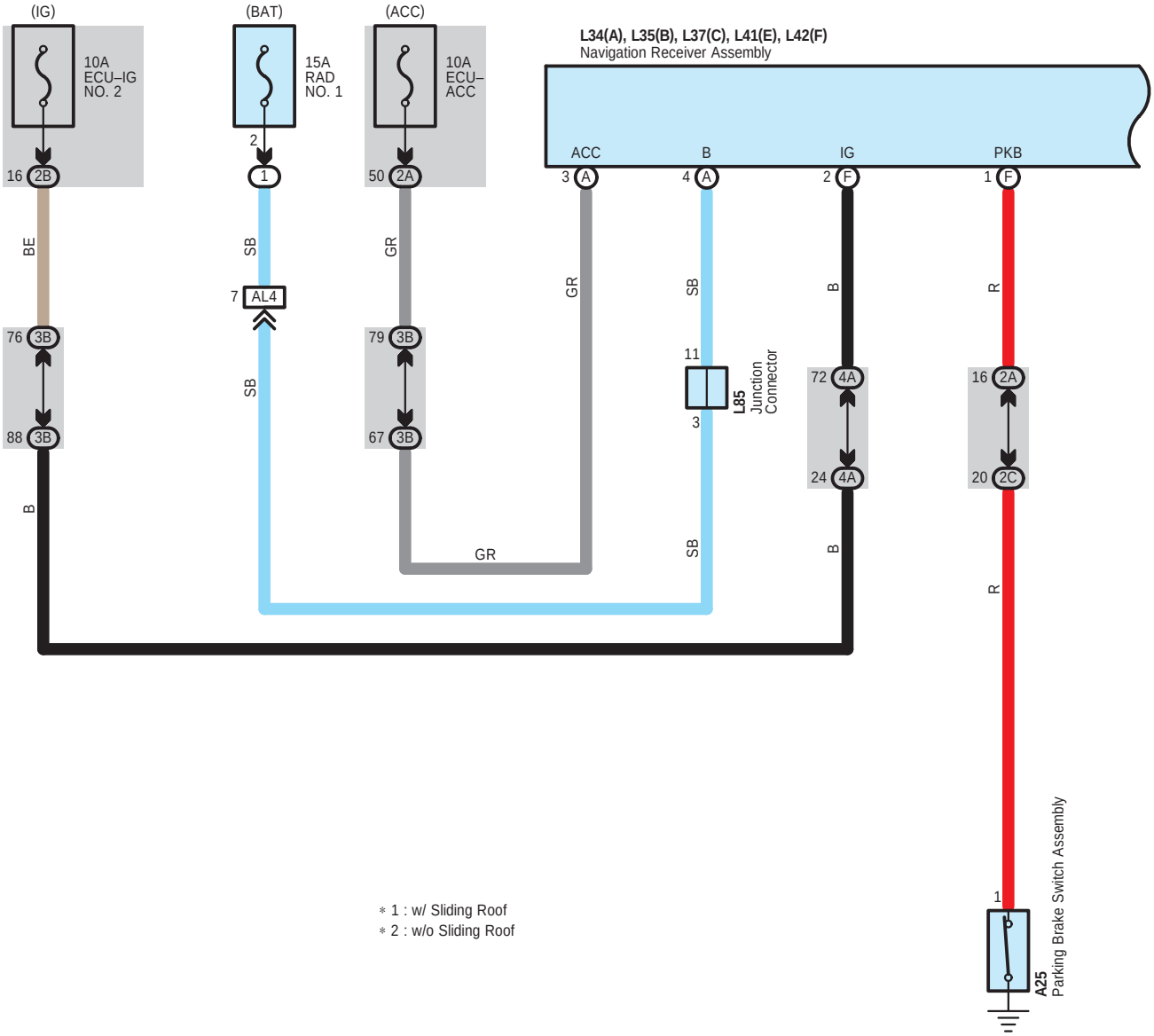
QR1
White



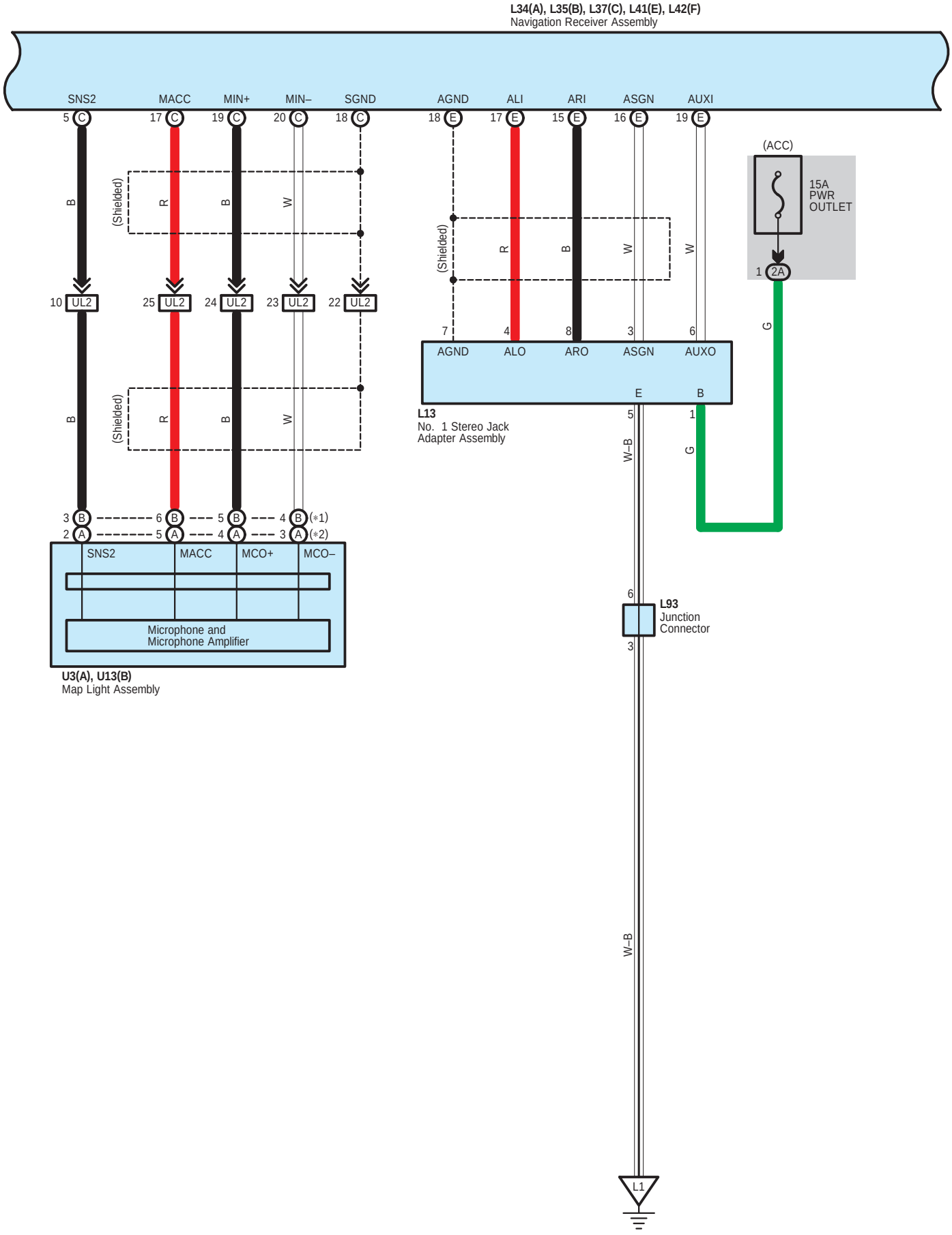

UL1
Gray
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10

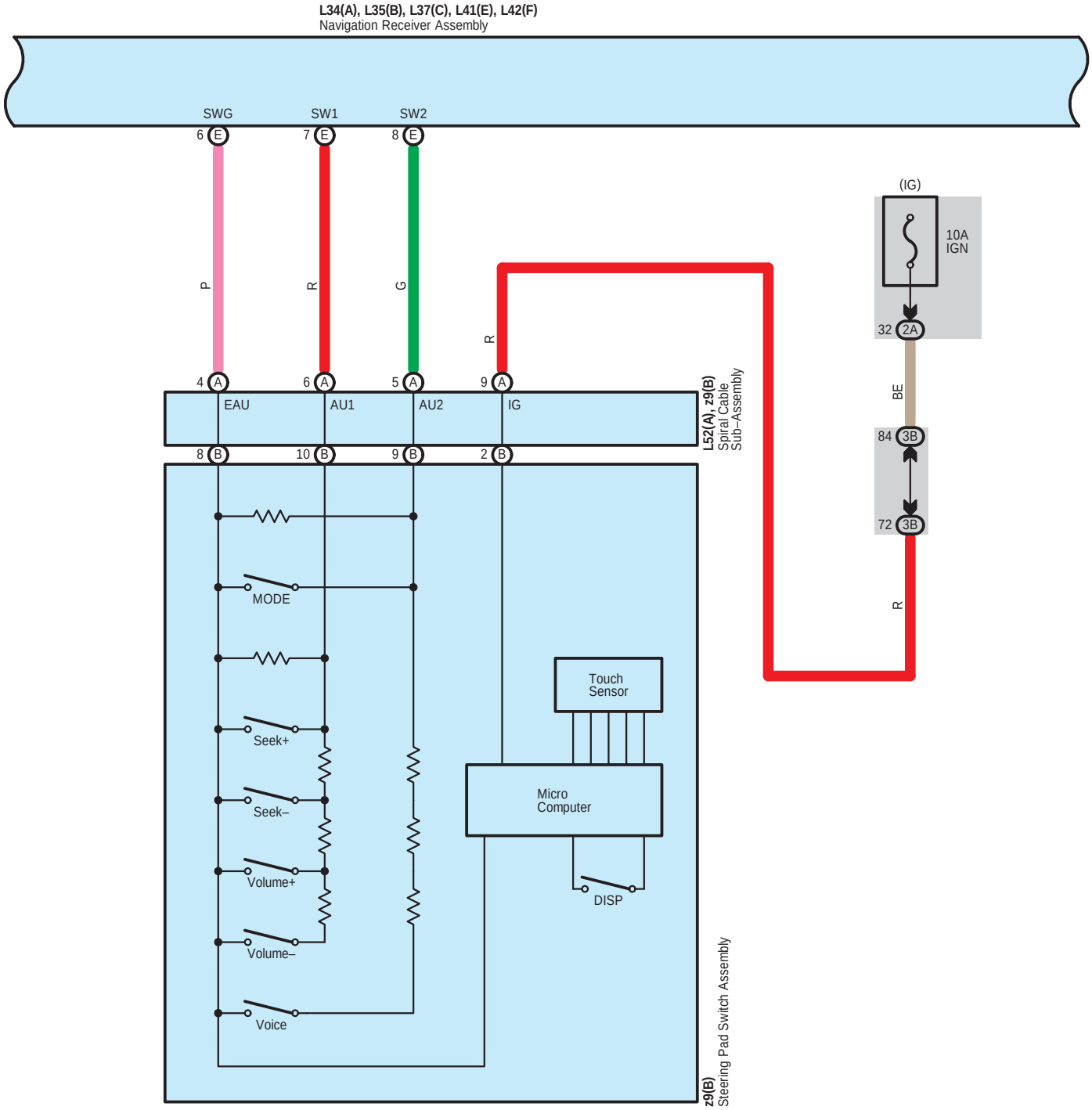

UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15

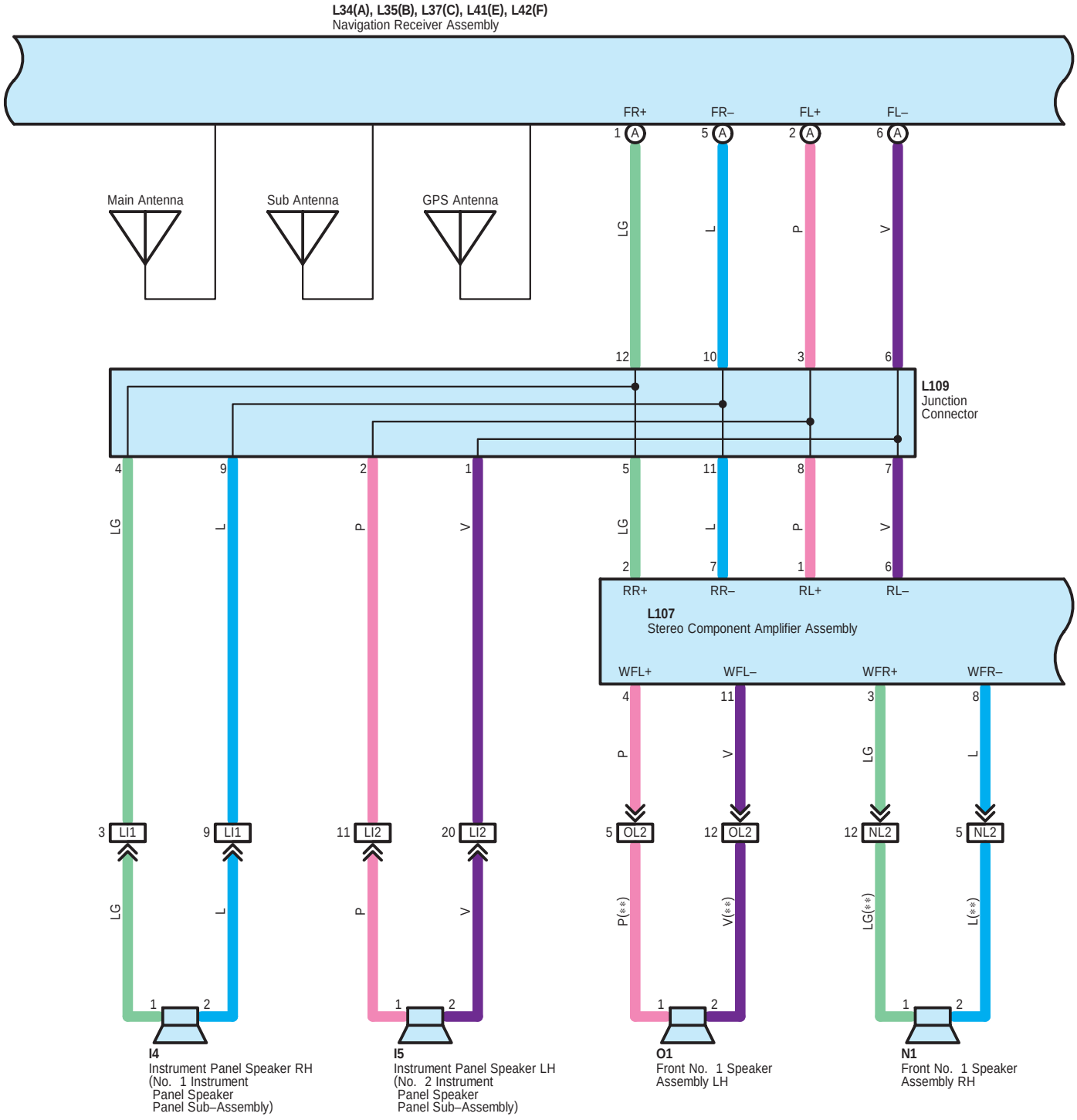

VR1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12



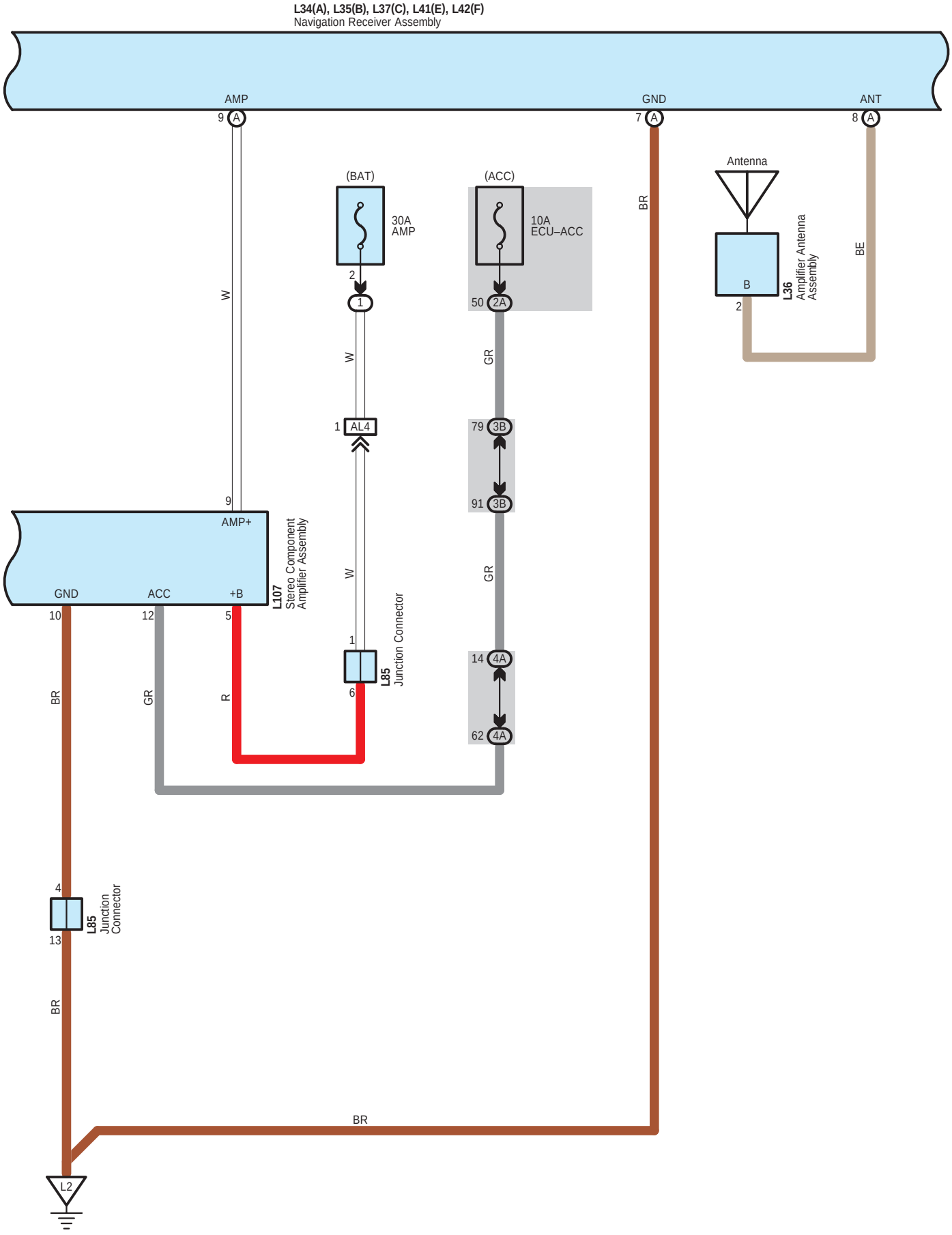
* 1 : w/ Sliding Roof
* 2 : w/o Sliding Roof

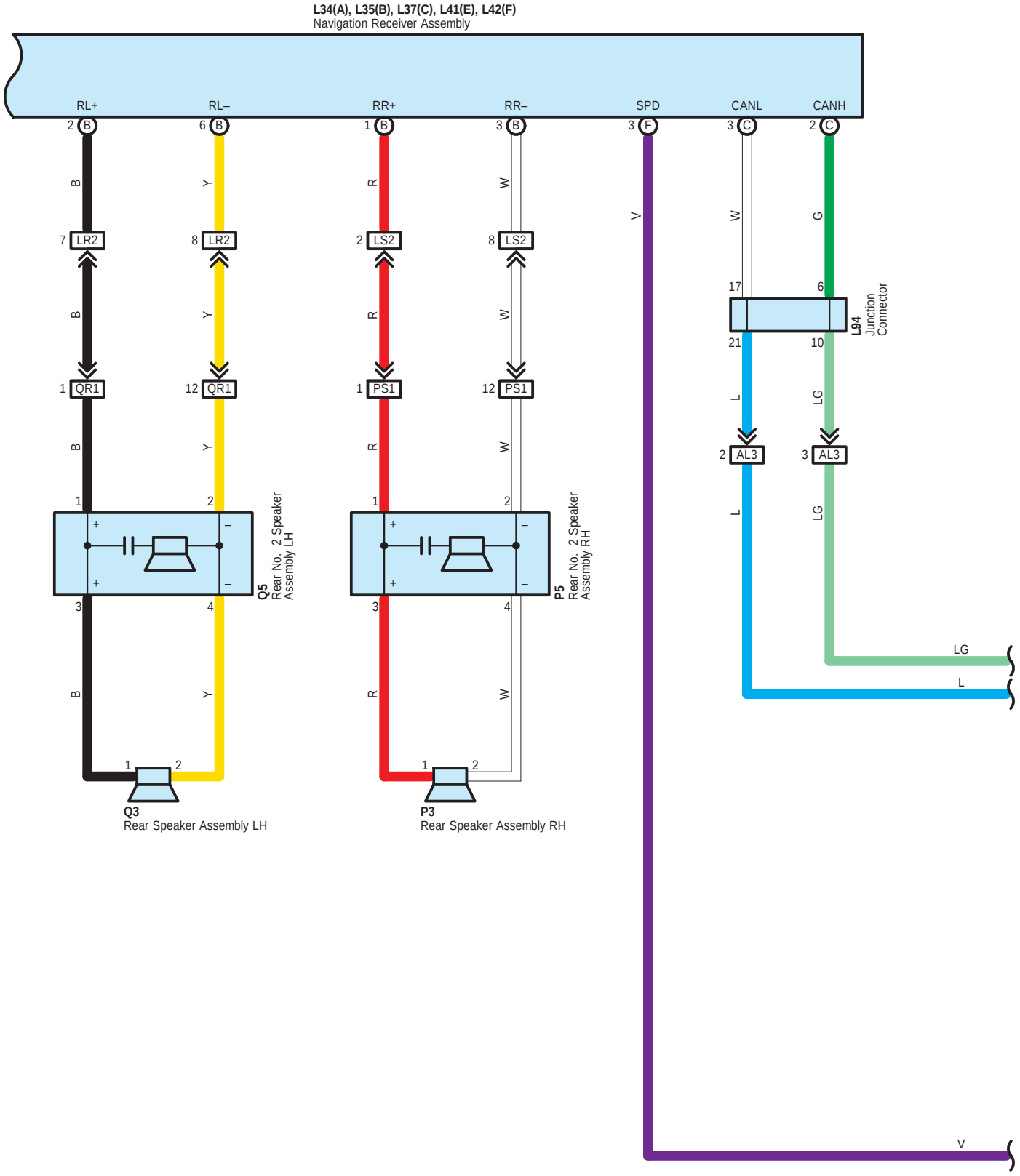

L34(A), L35(B), L37(C), L41(E), L42(F)
Navigation Receiver Assembly
SNS2
MACC
MIN+
MIN–
SGND
AGND
ALI
ARI
ASGN
AUXI
(ACC)
15A
PWR
OUTLET
(Shielded)
UL2
AGND
ALO
ARO
ASGN
AUXO
L13
No. 1 Stereo Jack
Adapter Assembly
W–B
L93
Junction
Connector
L1
SNS2
MACC
MCO+
MCO–
Microphone and
Microphone Amplifier
U3(A), U13(B)
Map Light Assembly

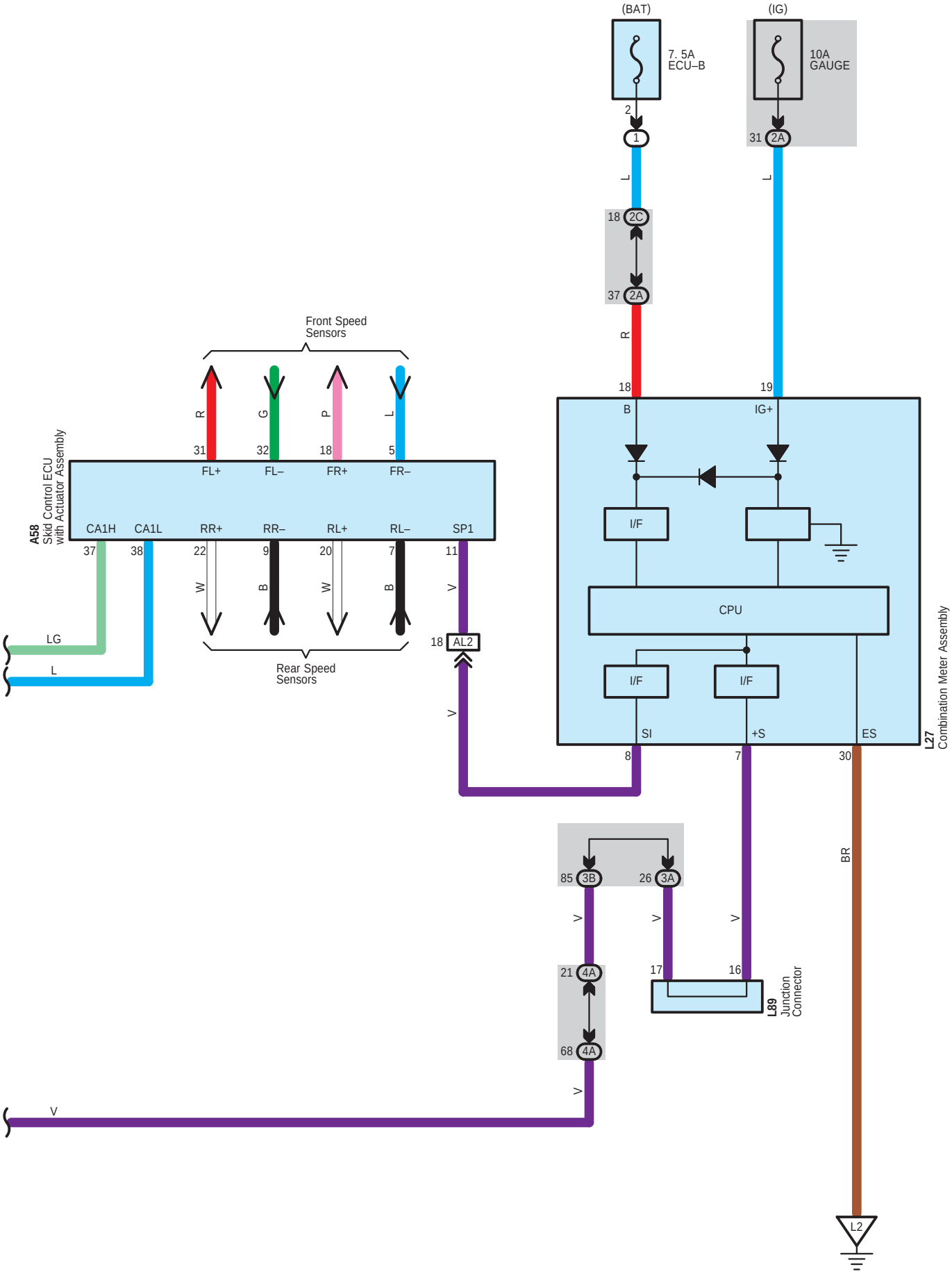

L34(A), L35(B), L37(C), L41(E), L42(F)
Navigation Receiver Assembly
SWG
SW1
SW2
6 E
7 E
8 E
P
R
G
R
(IG)
10A
IGN
32 2A
BE
84 3B
72 3B
R
4 A
6 A
5 A
9 A
EAU
AU1
AU2
IG
L52(A), z9(B)
Spiral Cable
Sub-Assembly
8 B
10 B
9 B
2 B
MODE
Seek+
Seek–
Volume+
Volume–
Voice
Touch
Sensor
Micro
Computer
DISP
z9(B)
Steering Pad Switch Assembly



When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

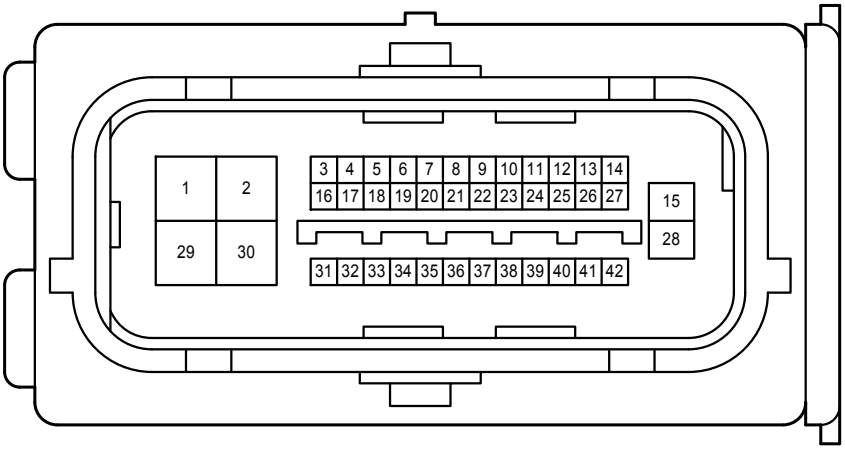

L34(A), L35(B), L37(C), L41(E), L42(F)
Navigation Receiver Assembly
AMP
9 A
GND
7 A
ANT
8 A
(BAT)
30A
AMP
2
1
(ACC)
10A
ECU–ACC
50 2A
BR
Antenna
B
2
L36
Amplifier Antenna
Assembly
BE
W
GR
1 AL4
79 3B
91 3B
9
AMP+
GND
ACC
+B
10
12
5
L107
Stereo Component
Amplifier Assembly
W
GR
R
1
6
L85
Junction Connector
14 4A
62 4A
BR
GR
R
4
13
L85
Junction
Connector
BR
BR
L2


L34(A), L35(B), L37(C), L41(E), L42(F)
Navigation Receiver Assembly
RL+
RL–
RR+
RR–
SPD
CANL
CANH
2 B
6 B
1 B
3 B
3 F
3 C
2 C
B
Y
R
W
V
W
G
7 LR2
8 LR2
2 LS2
8 LS2
17
6
L94
Junction Connector
21
10
1 QR1
12 QR1
1 PS1
12 PS1
L
LG
2 AL3
3 AL3
1
2
Q5
Rear No. 2 Speaker Assembly LH
P5
Rear No. 2 Speaker Assembly RH
3
4
LG
L
1
2
Q3
Rear Speaker Assembly LH
P3
Rear Speaker Assembly RH
V

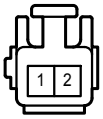

(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
L
18
2C
37
2A
R
18
19
B
IG+
I/F
CPU
I/F
I/F
SI
+S
ES
8
7
30
L27
Combination Meter Assembly
Front Speed
Sensors
R
G
P
L
31
32
18
5
FL+
FL–
FR+
FR–
A58
Skid Control ECU
with Actuator Assembly
CA1H
CA1L
RR+
RR–
RL+
RL–
SP1
37
38
22
9
20
7
11
W
B
W
B
V
18
AL2
LG
L
Rear Speed
Sensors
V
85
3B
26
3A
V
V
V
21
4A
68
4A
17
16
L89
Junction
Connector
V
BR
L2

A 25
White

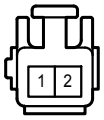
A 58
Gray



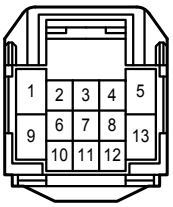
I 4
White



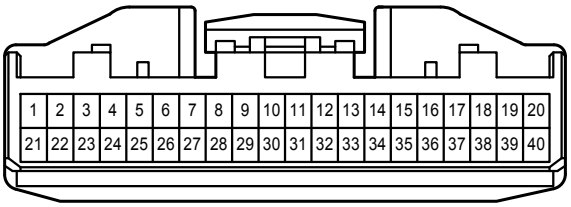
I 5
White



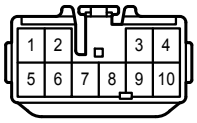
L 13
White



L 27
White

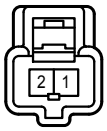


L 34
White

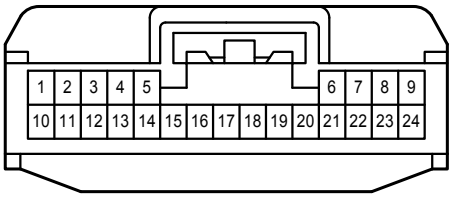


L 35
White

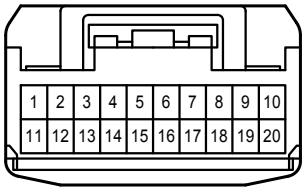
L 36
White



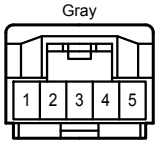
L 37
White



L 41
White

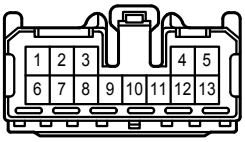


L 42
Gray

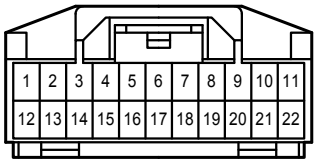


L 52
Black

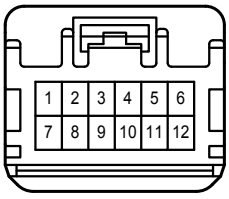
L 85
White



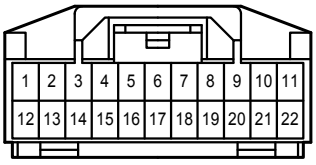
L 89
Black



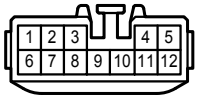
L 93
White



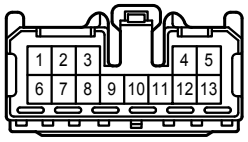
L 94
White



L107
White



L109
White

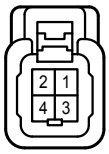


N 1
White

O 1
White

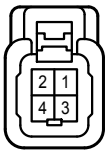
P 3
Black

P 5
White

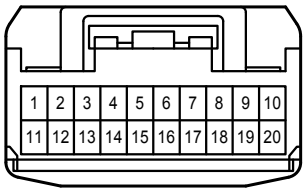


Q 3
Black

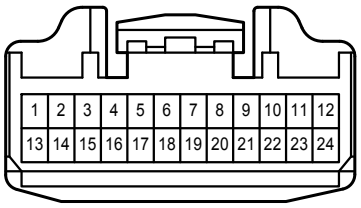
Q 5
White



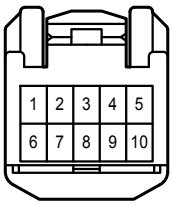
U 3
White



U 13
White



z 9
Black



2A
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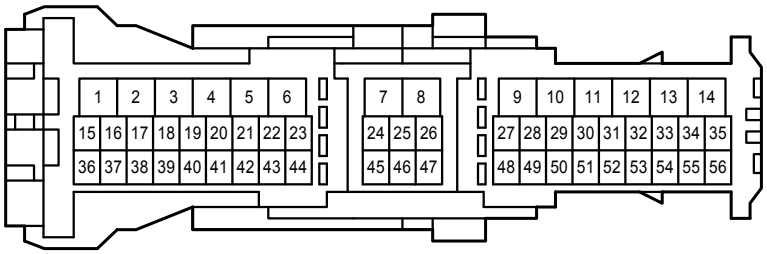
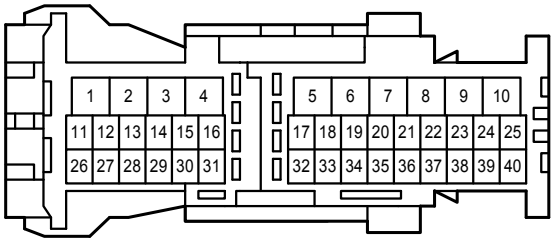
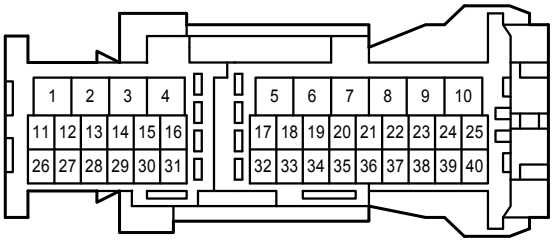


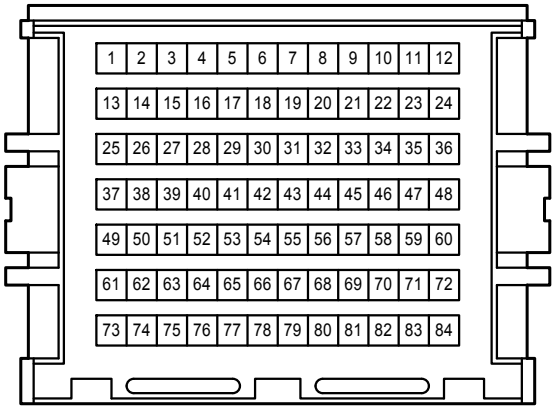
2B
White



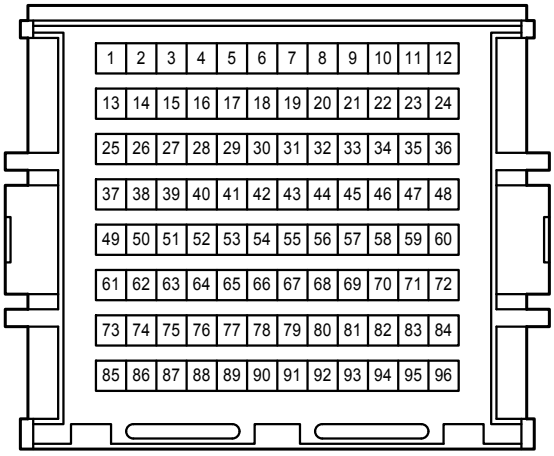
2C
White



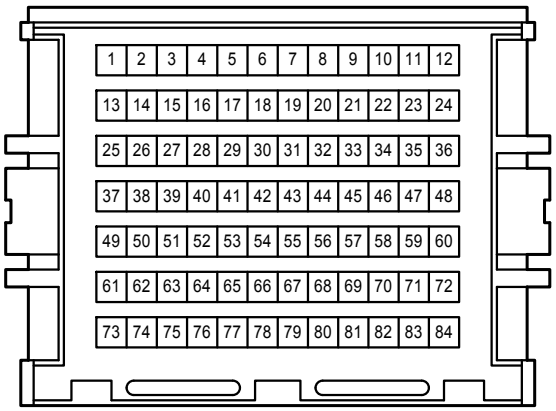
3A
White



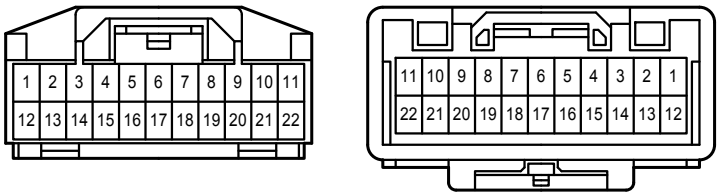
3B
White



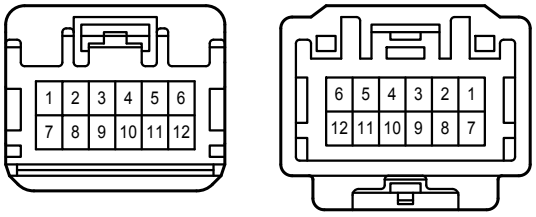
4A
White



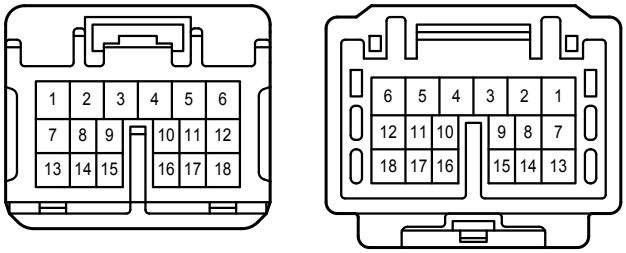
AL2
Gray



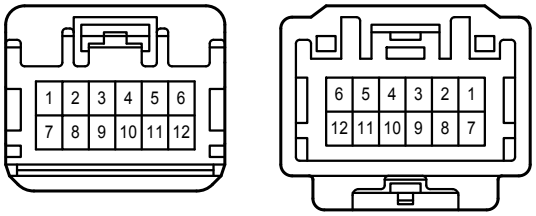
AL3
White



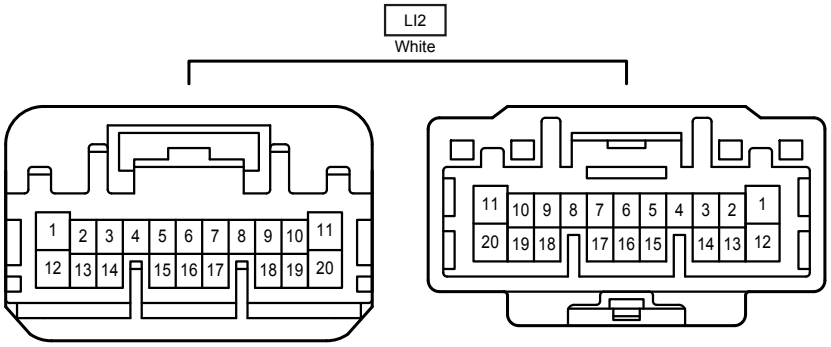
AL4
Black



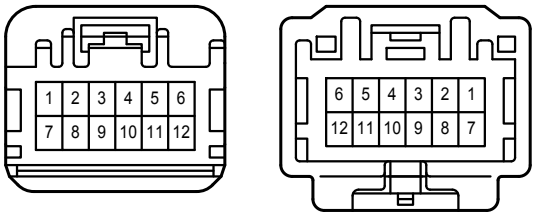
LI1
Black



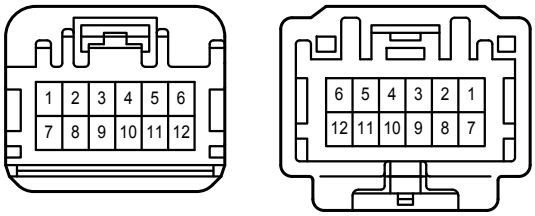
LI2
White



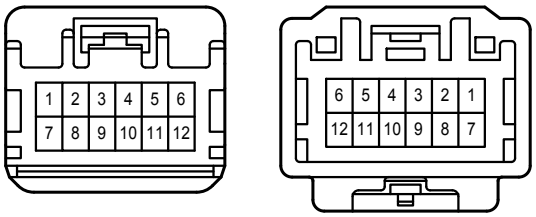
LR2
Black



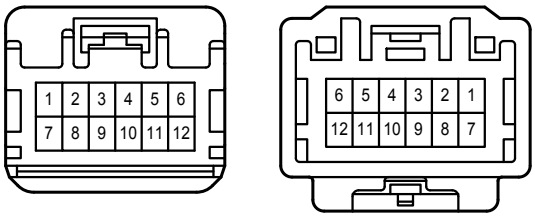
LS2
Black



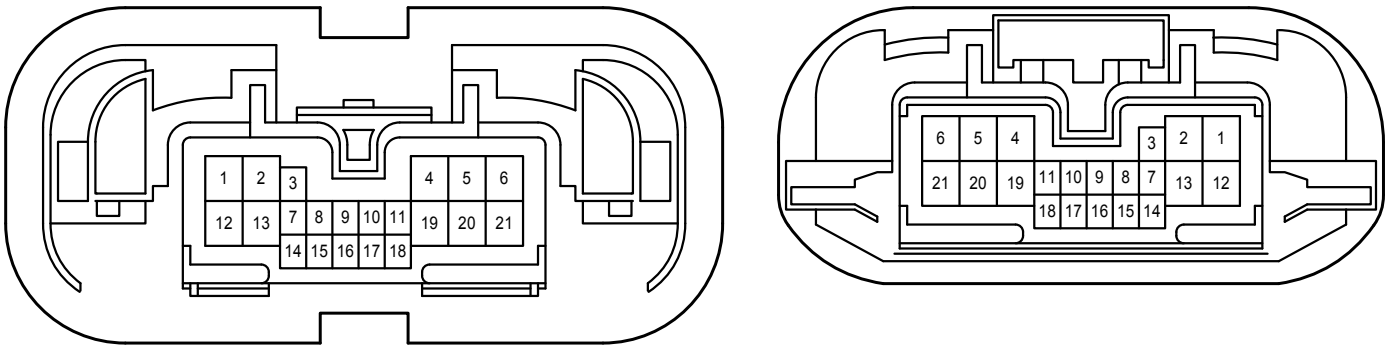
NL2
White

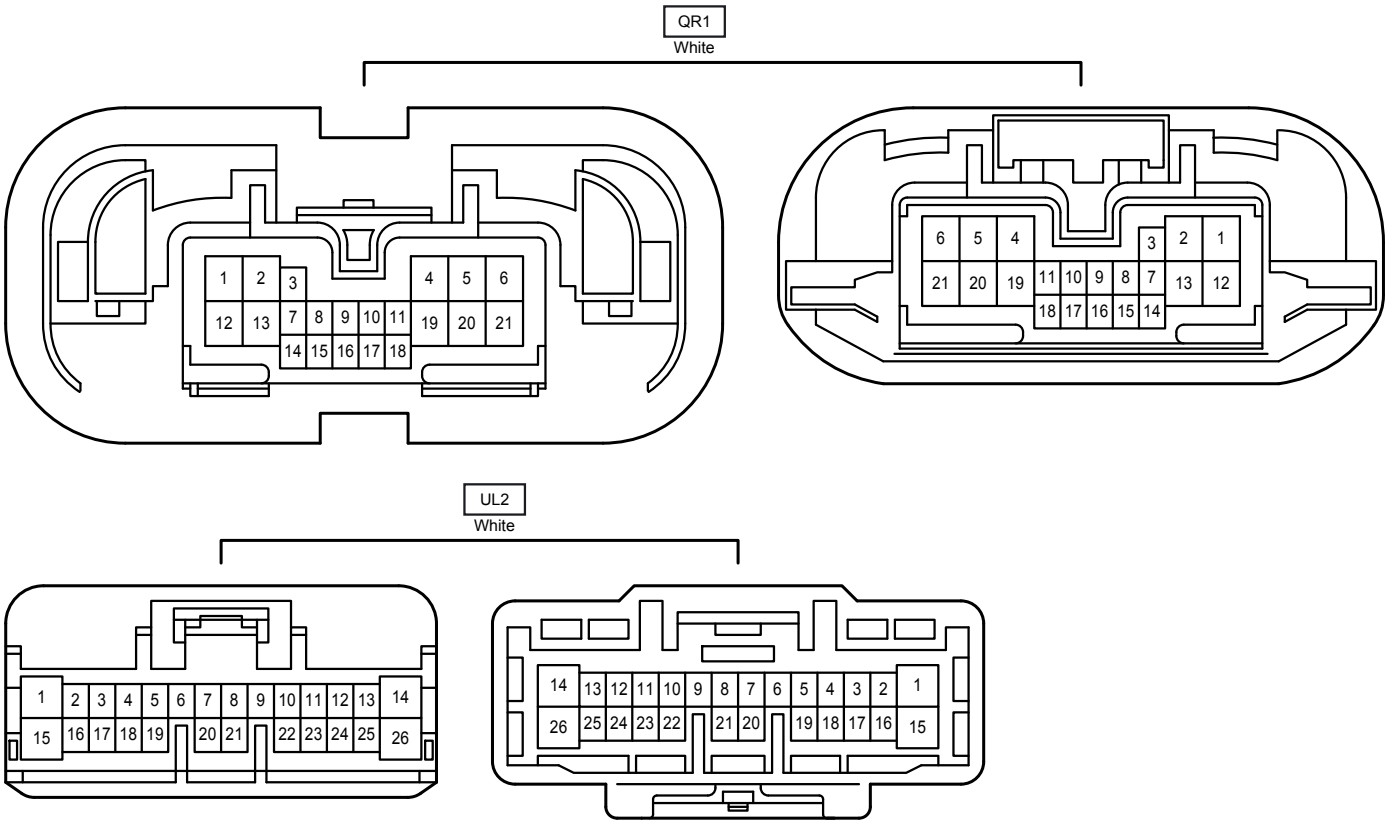


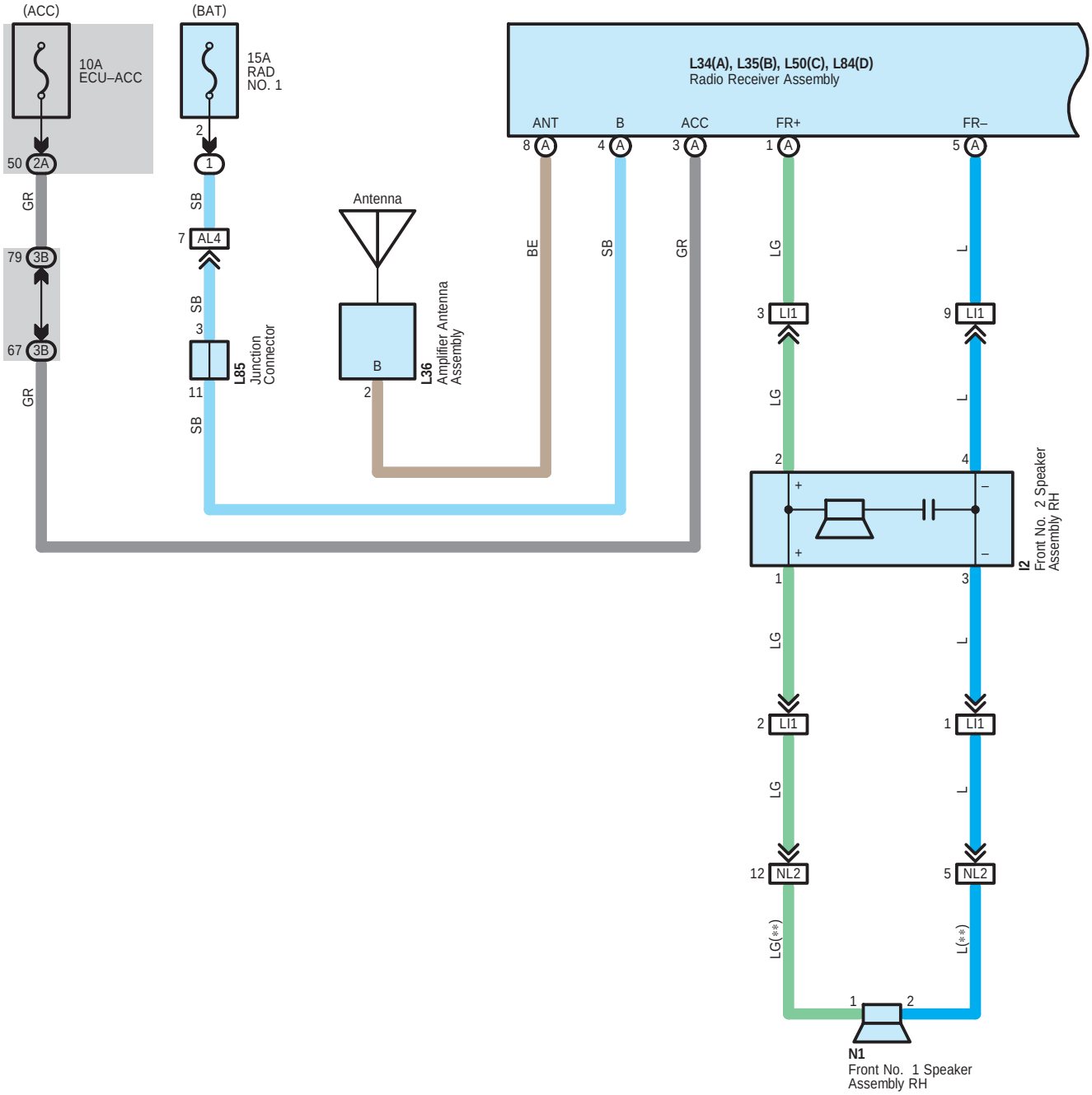
OL2
White

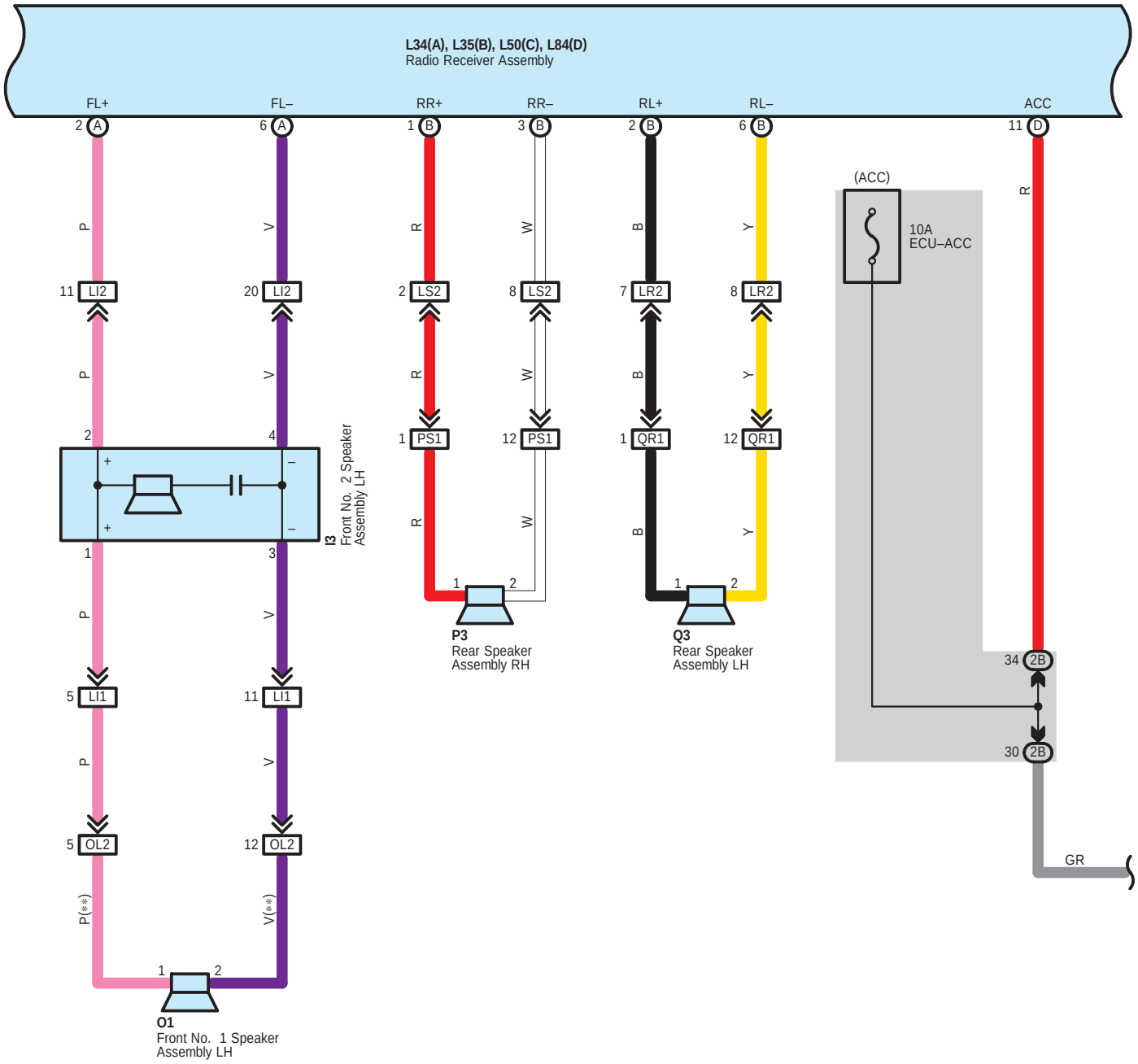


PS1
White

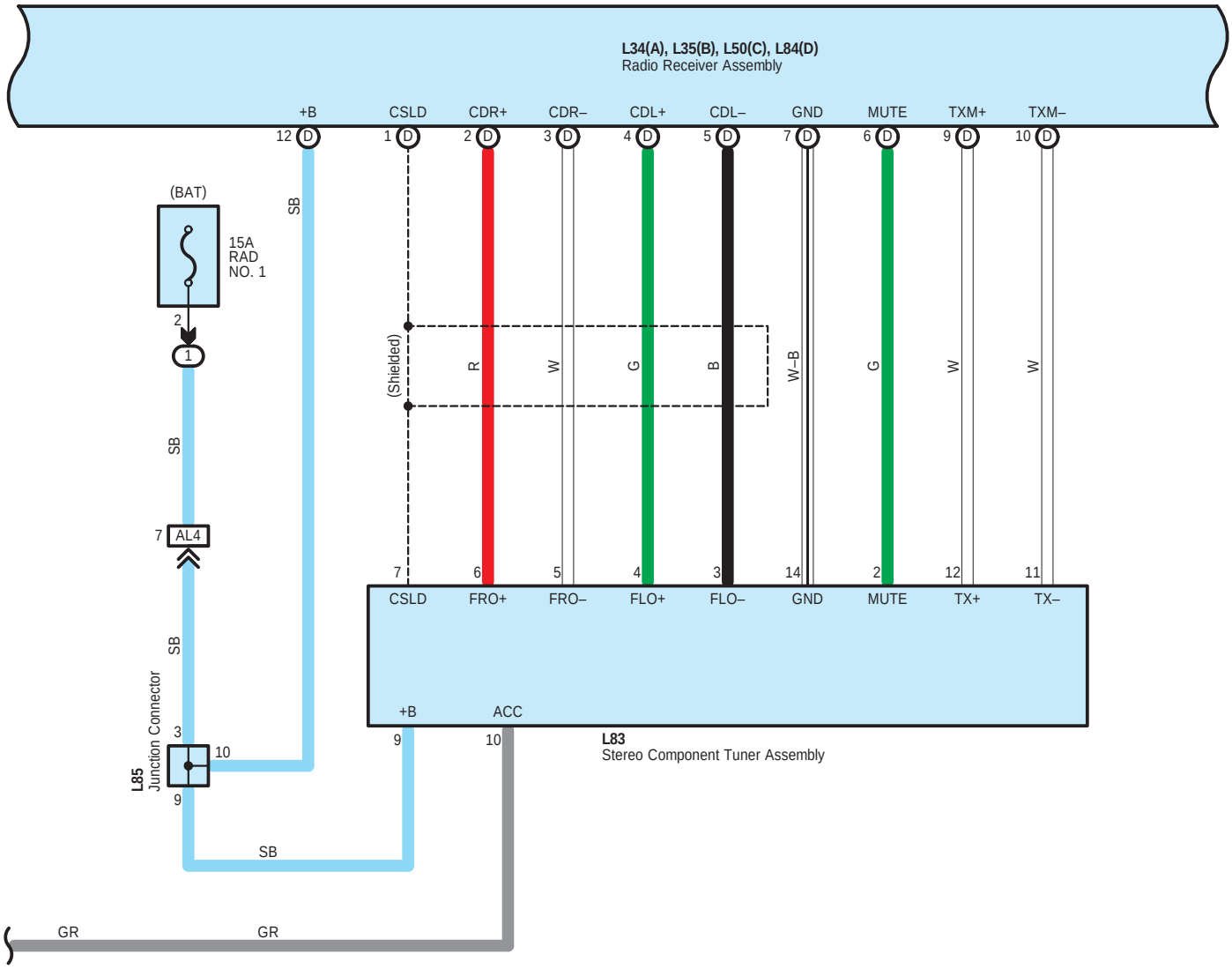


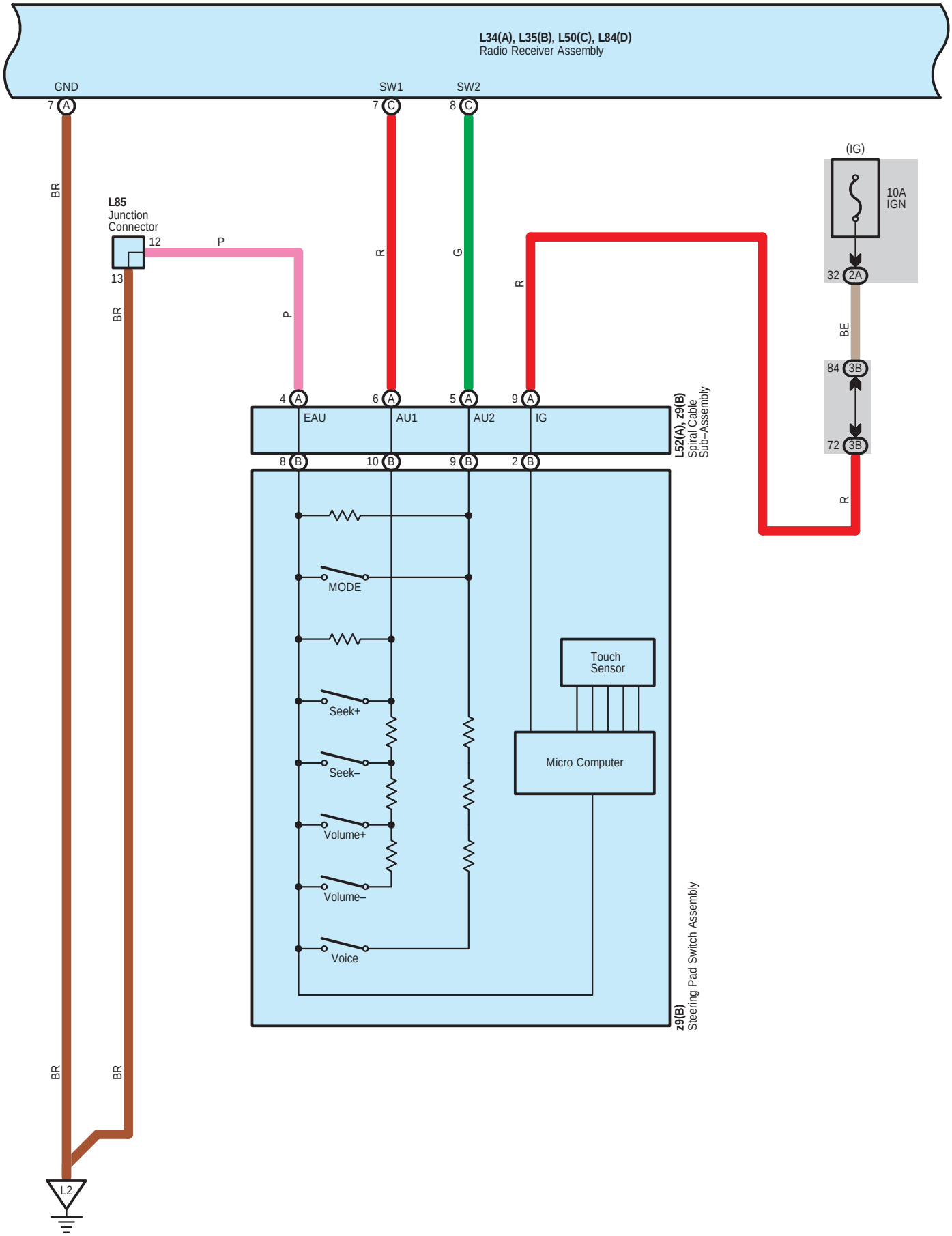

QR1
White
1 2 3 4 5 6
12 13 7 8 9 10 11 19 20 21
14 15 16 17 18
6 5 4 3 2 1
21 20 19 11 10 9 8 7 13 12
18 17 16 15 14
UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15

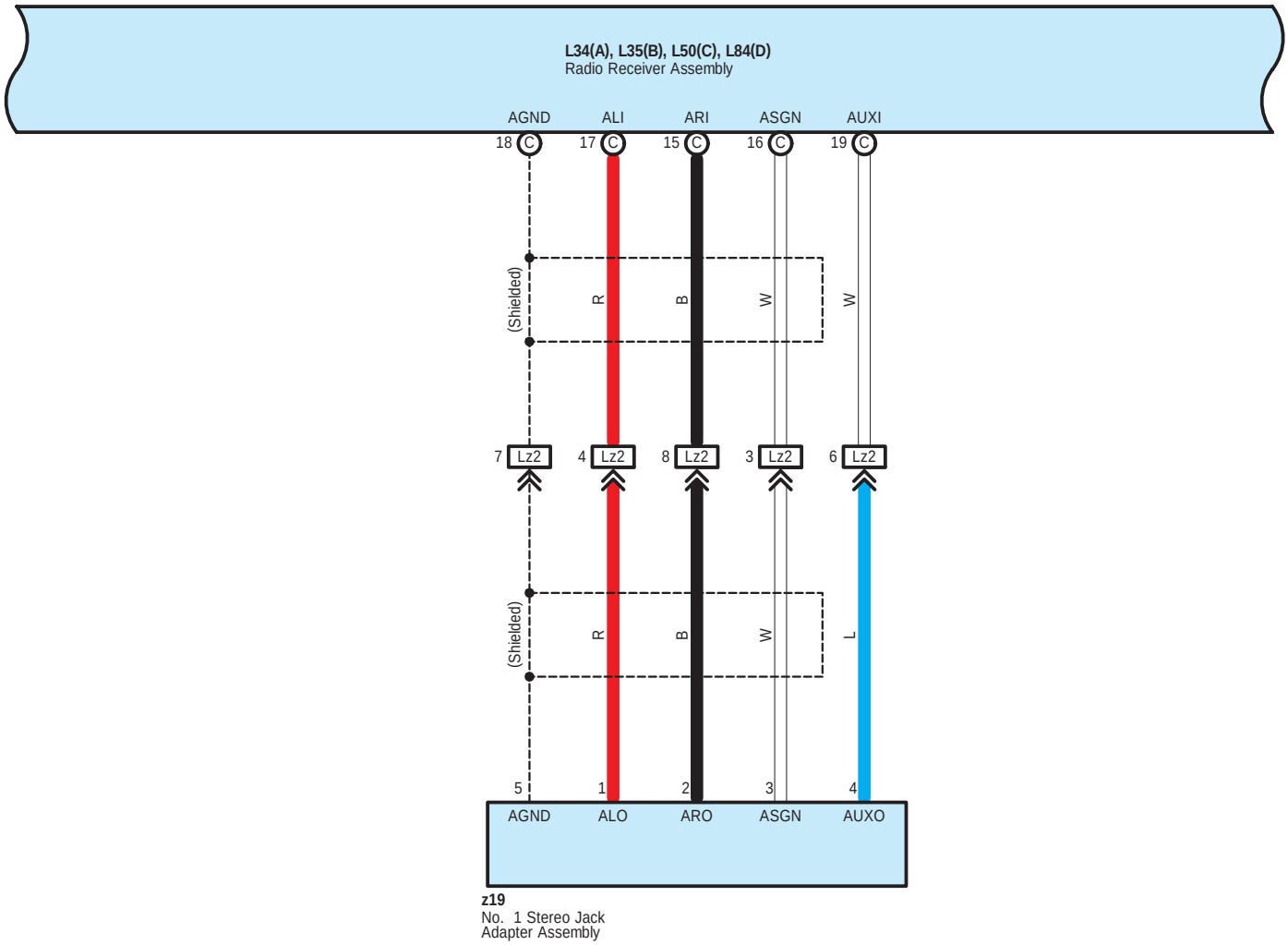

(ACC)
(BAT)
10A
ECU–ACC
15A
RAD
NO. 1
L34(A), L35(B), L50(C), L84(D)
Radio Receiver Assembly
ANT
B
ACC
FR+
FR–
8 A
4 A
3 A
1 A
5 A
50 2A
2
1
GR
SB
BE
SB
GR
LG
L
79 3B
67 3B
7 AL4
3
11
L85
Junction
Connector
Antenna
B
2
L36
Amplifier Antenna
Assembly
3 LI1
9 LI1
2
4
+
–
+
–
I2
Front No. 2 Speaker
Assembly RH
1
3
2 LI1
1 LI1
12 NL2
5 NL2
LG(**)
L(**)
1
2
N1
Front No. 1 Speaker
Assembly RH

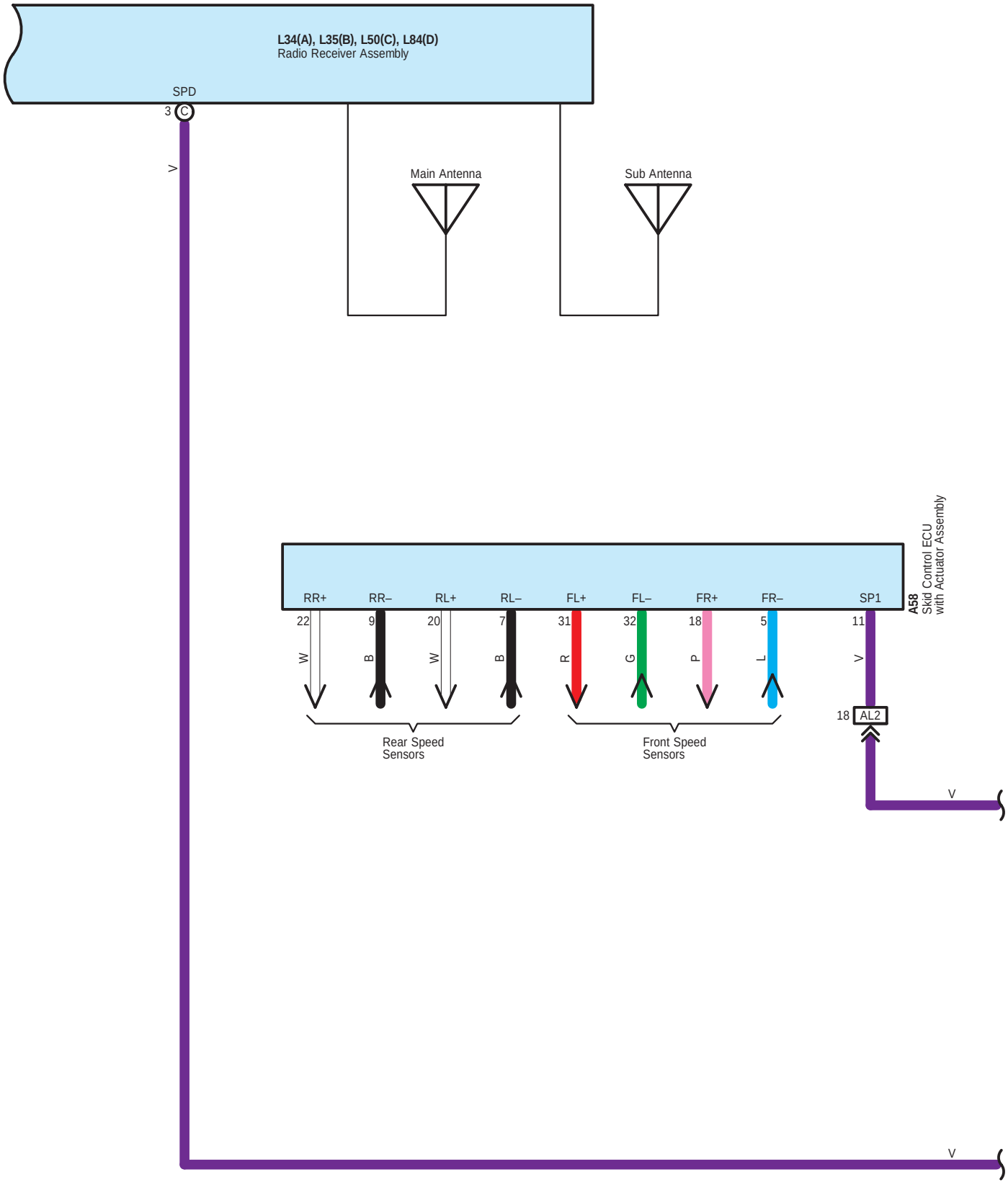


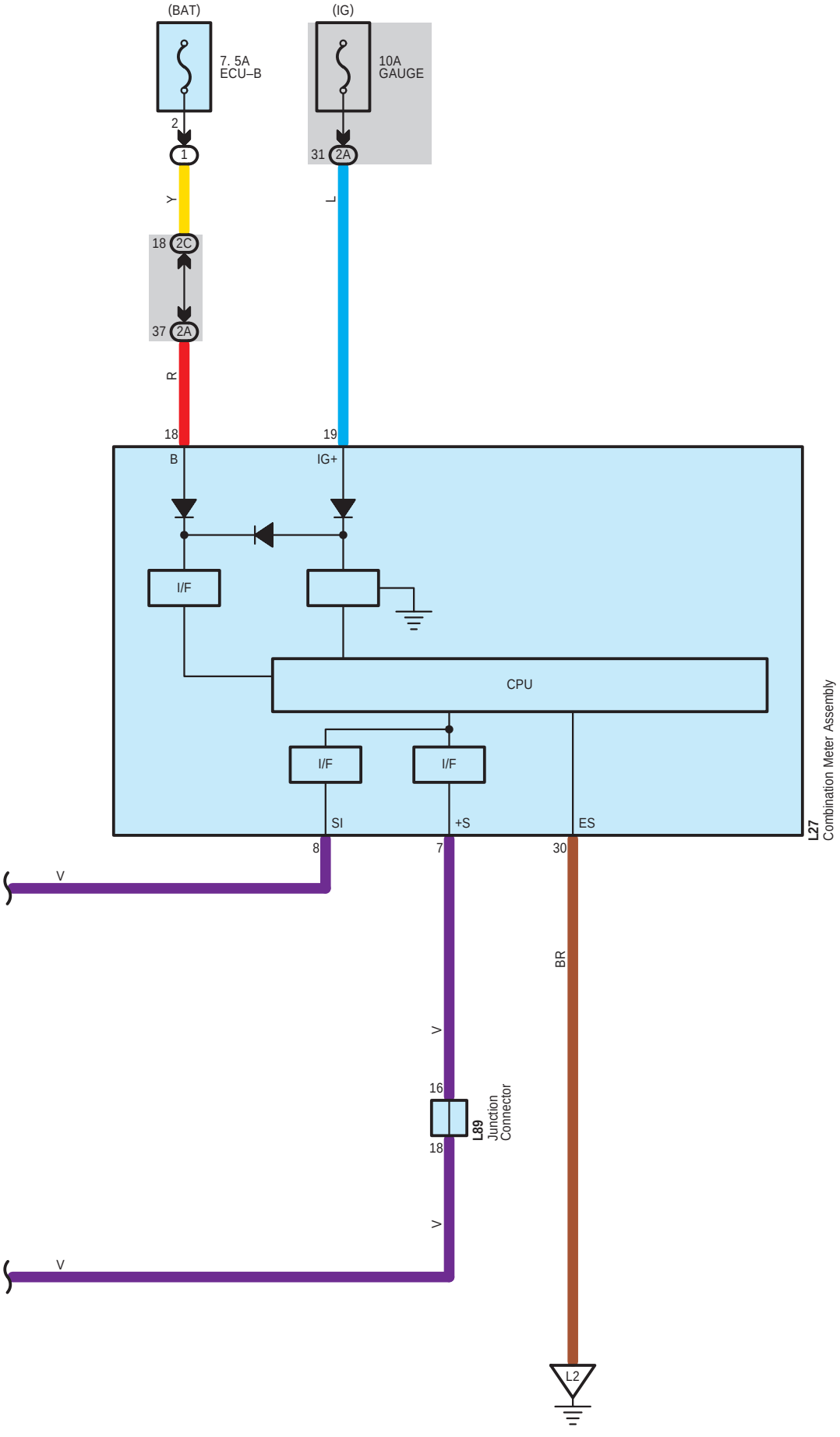
When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.


L34(A), L35(B), L50(C), L84(D)
Radio Receiver Assembly
+B
CSLD
CDR+
CDR–
CDL+
CDL–
GND
MUTE
TXM+
TXM–
12
1
2
3
4
5
7
6
9
10
(BAT)
15A
RAD
NO. 1
SB
2
1
SB
7
AL4
SB
3
10
9
L85
Junction Connector
SB
(Shielded)
R
W
G
B
W–B
G
W
W
7
6
5
4
3
14
2
12
11
CSLD
FRO+
FRO–
FLO+
FLO–
GND
MUTE
TX+
TX–
+B
ACC
9
10
L83
Stereo Component Tuner Assembly
GR
GR

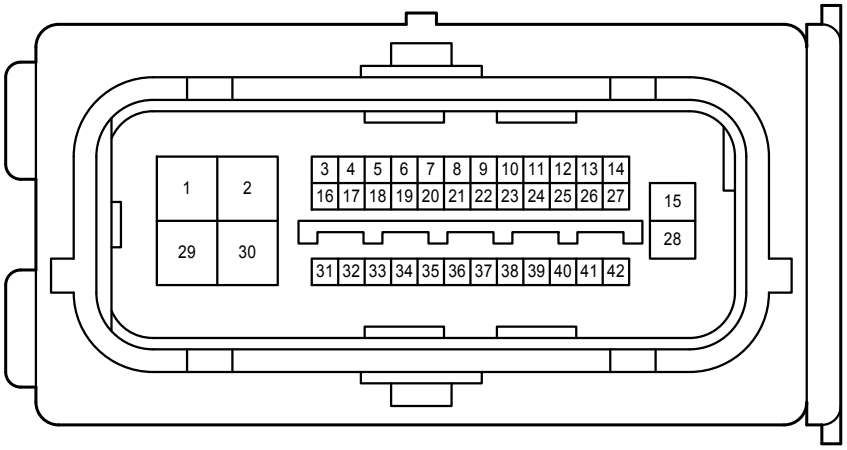

L34(A), L35(B), L50(C), L84(D)
Radio Receiver Assembly
GND
SW1
SW2
7 A
7 C
8 C
BR
L85
Junction
Connector
12
13
P
BR
P
R
G
R
(IG)
10A
IGN
32 2A
BE
84 3B
72 3B
R
4 A
6 A
5 A
9 A
EAU
AU1
AU2
IG
L52(A), z9(B)
Spiral Cable
Sub-Assembly
8 B
10 B
9 B
2 B
MODE
Seek+
Seek–
Volume+
Volume–
Voice
Touch
Sensor
Micro Computer
z9(B)
Steering Pad Switch Assembly
BR
BR
L2


L34(A), L35(B), L50(C), L84(D)
Radio Receiver Assembly
AGND
ALI
ARI
ASGN
AUXI
18 C
17 C
15 C
16 C
19 C
(Shielded)
R
B
W
W
7 Lz2
4 Lz2
8 Lz2
3 Lz2
6 Lz2
(Shielded)
R
B
W
L
5
1
2
3
4
AGND
ALO
ARO
ASGN
AUXO
z19
No. 1 Stereo Jack
Adapter Assembly

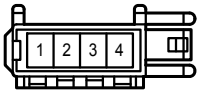

L34(A), L35(B), L50(C), L84(D)
Radio Receiver Assembly
SPD
3 C
V
Main Antenna
Sub Antenna
A58
Skid Control ECU
with Actuator Assembly
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
SP1
22
9
20
7
31
32
18
5
11
W
B
W
B
R
G
P
L
V
18 AL2
Rear Speed
Sensors
Front Speed
Sensors
V
V


(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
18
19
B
IG+
I/F
CPU
I/F
I/F
SI
+S
ES
8
7
30
L27
Combination Meter Assembly
V
BR
V
16
18
L89
Junction
Connector
V
L2

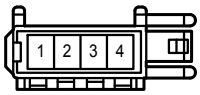
A 58
Gray



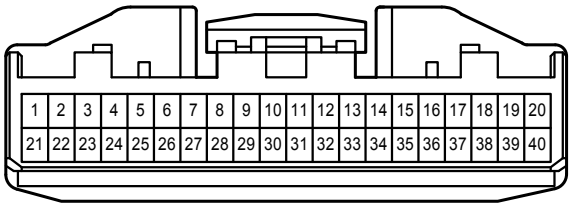
I 2
White



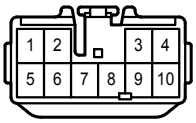
I 3
White



L 27
White

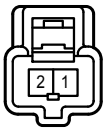


L 34
White

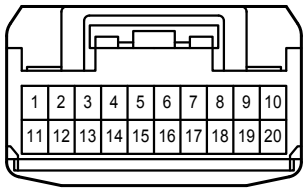


L 35
White

L 36
White

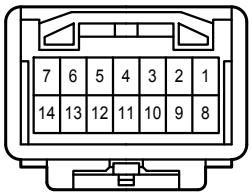


L 50
White



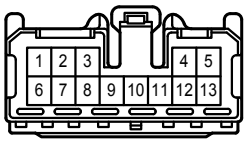
L 52
Black

L 83
White

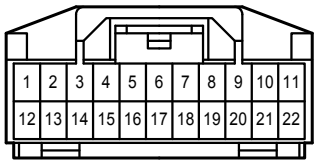


L 84
White

L 85
White



L 89
Black



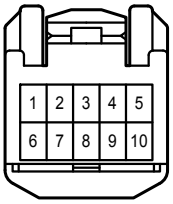
N 1
White

O 1
White

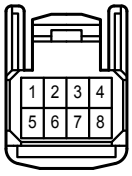
P 3
Black

Q 3
Black

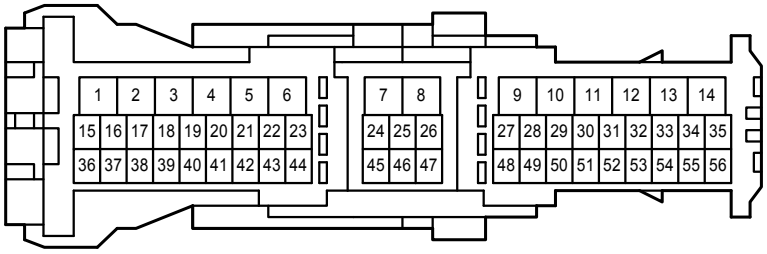
z 9
Black



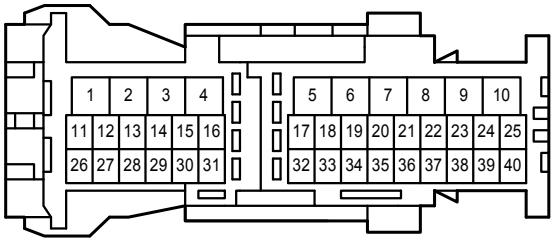
z 19
White



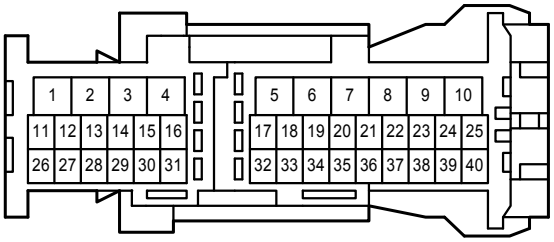
2A
White



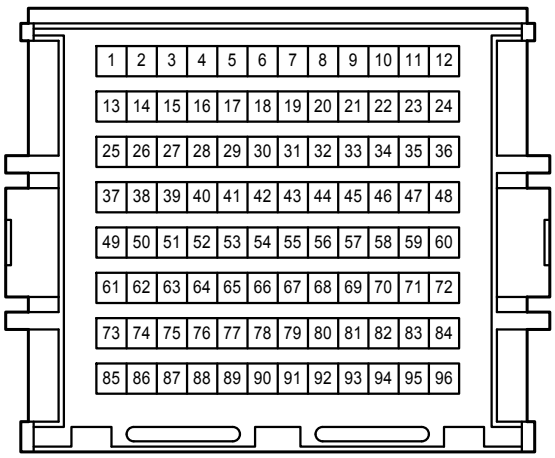
2B
White



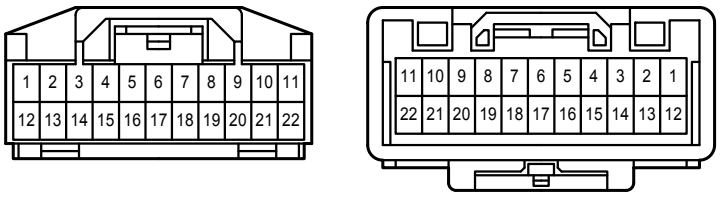
2C
White



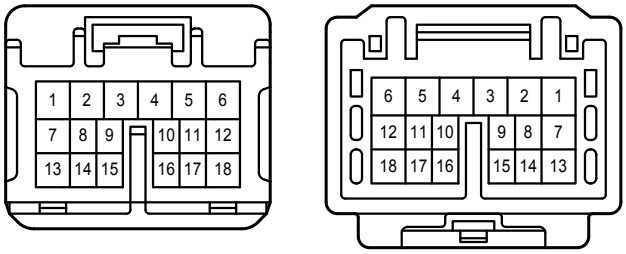
3B
White



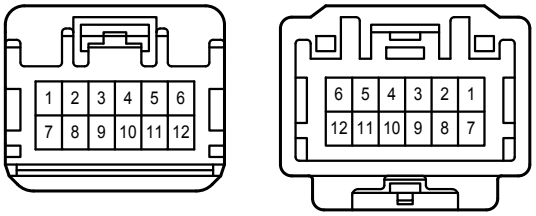
AL2
Gray



AL4
Black



LI1
Black



LI2
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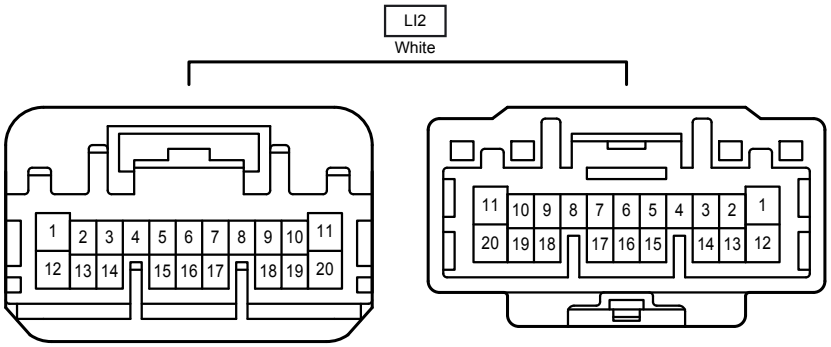
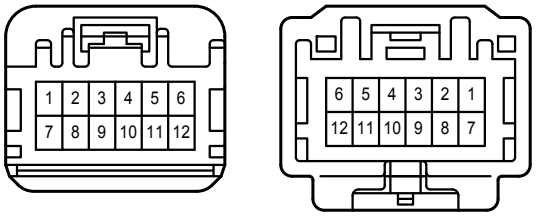
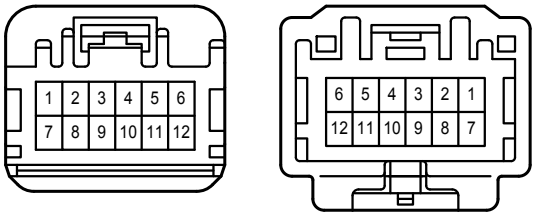


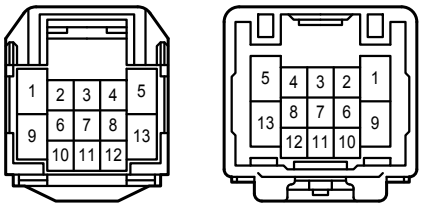
LR2
Black



LS2
Black



Lz2
White



NL2
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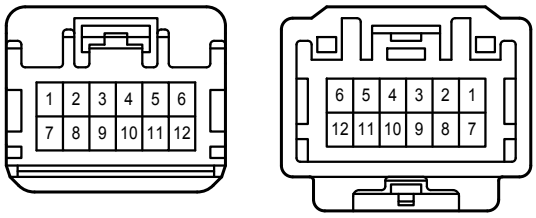

OL2
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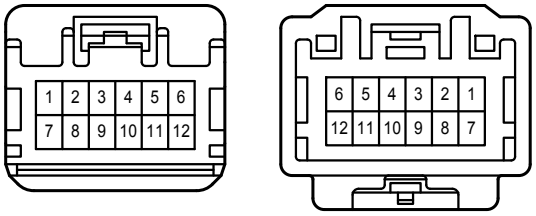
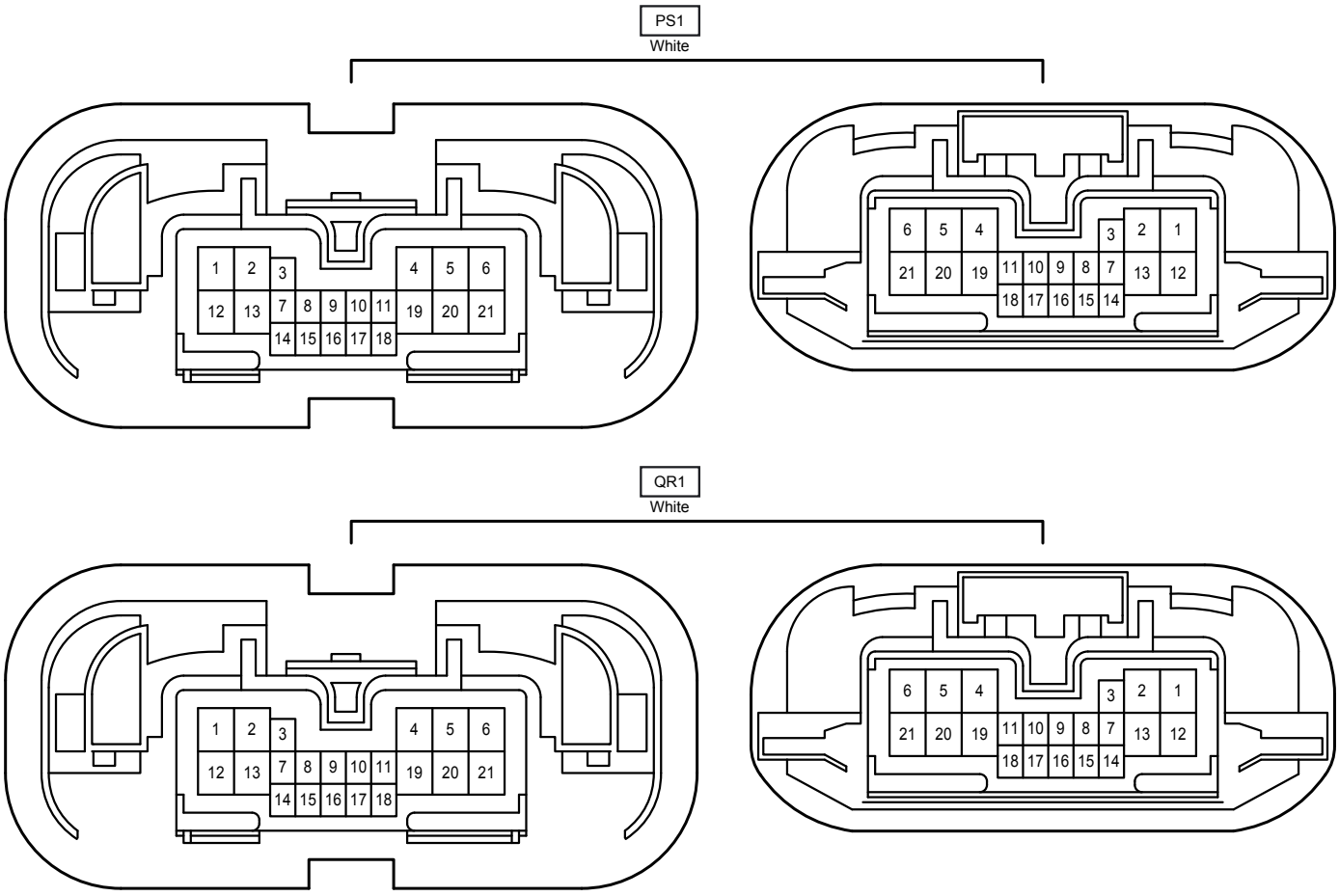
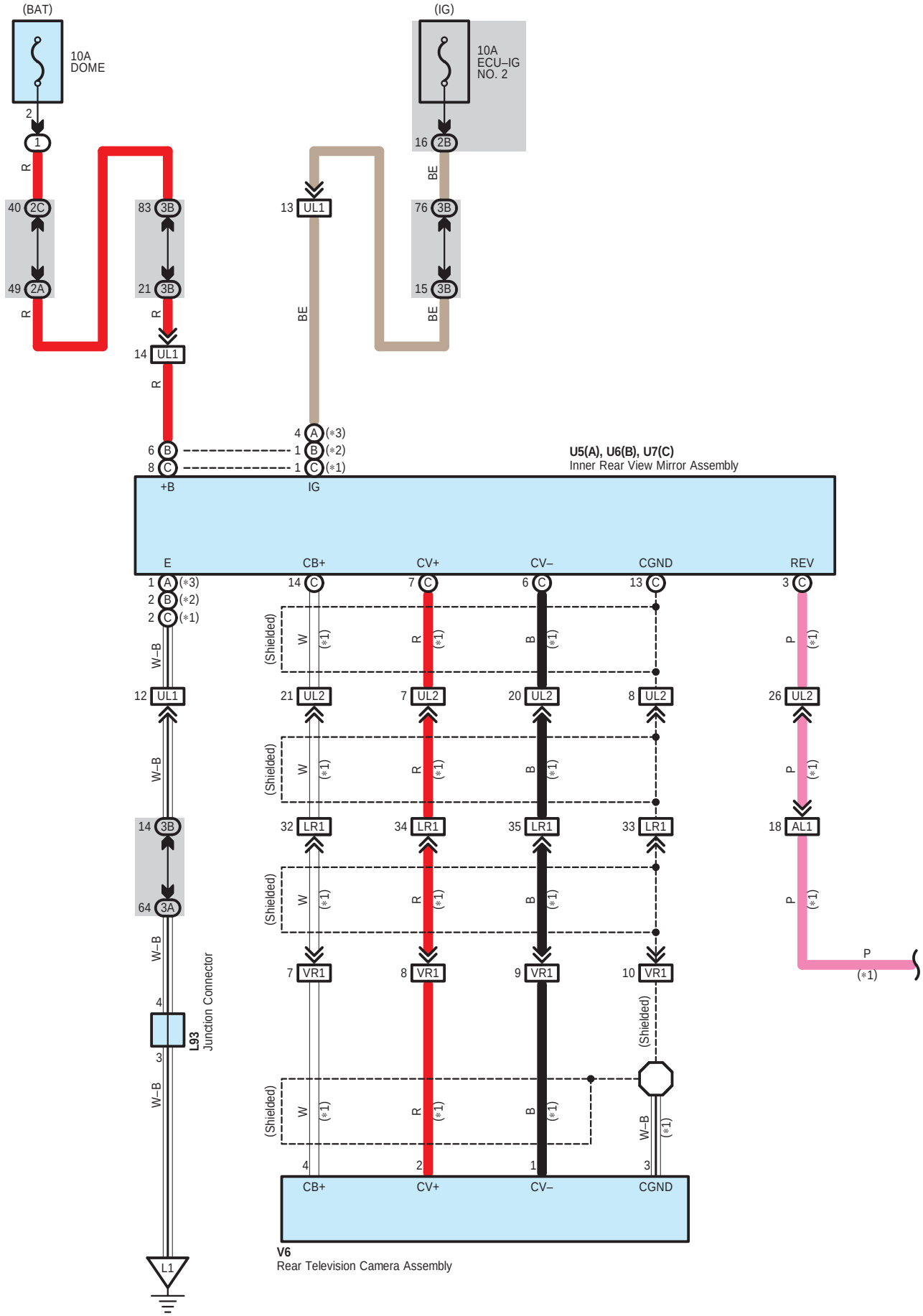
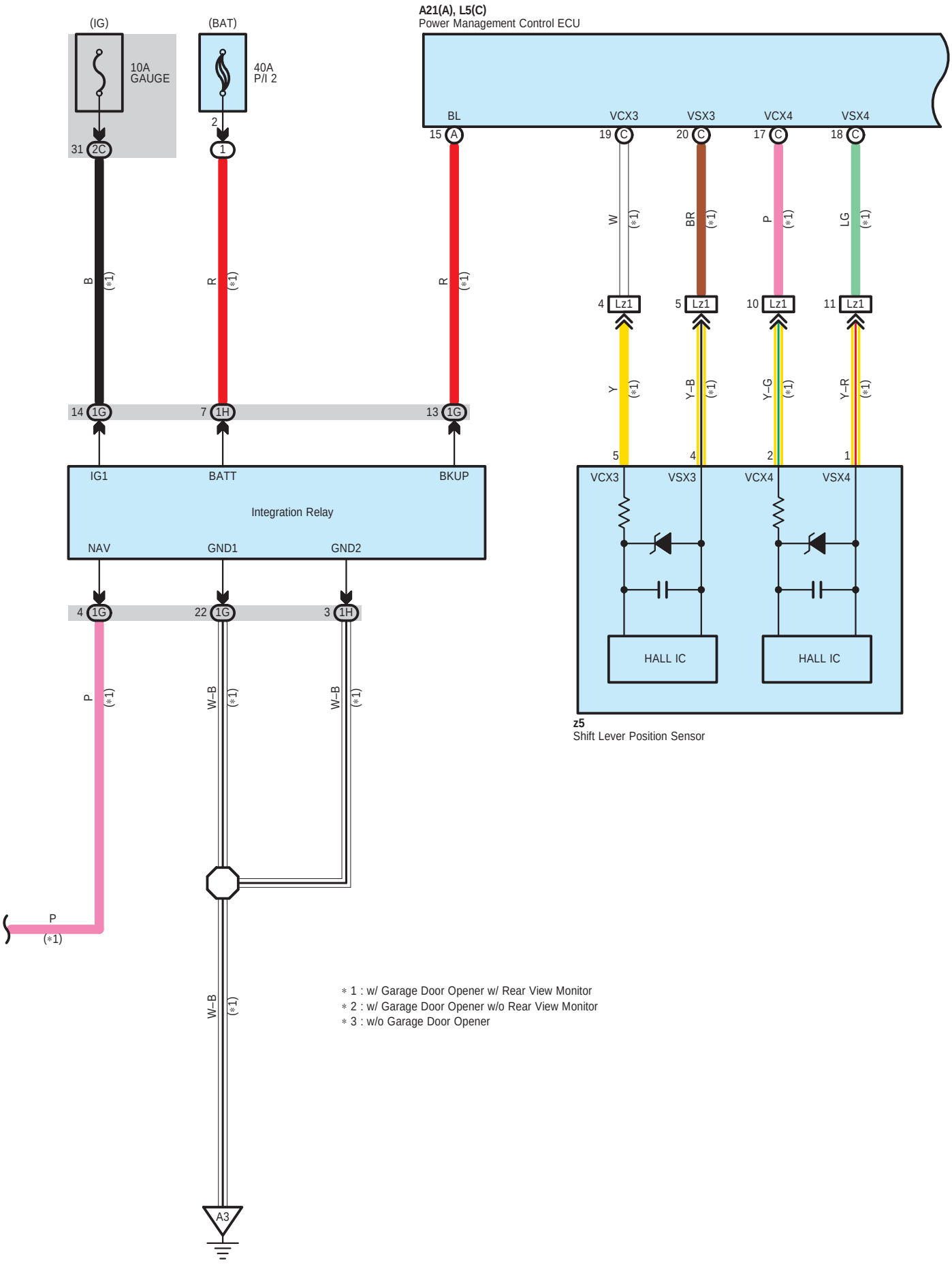
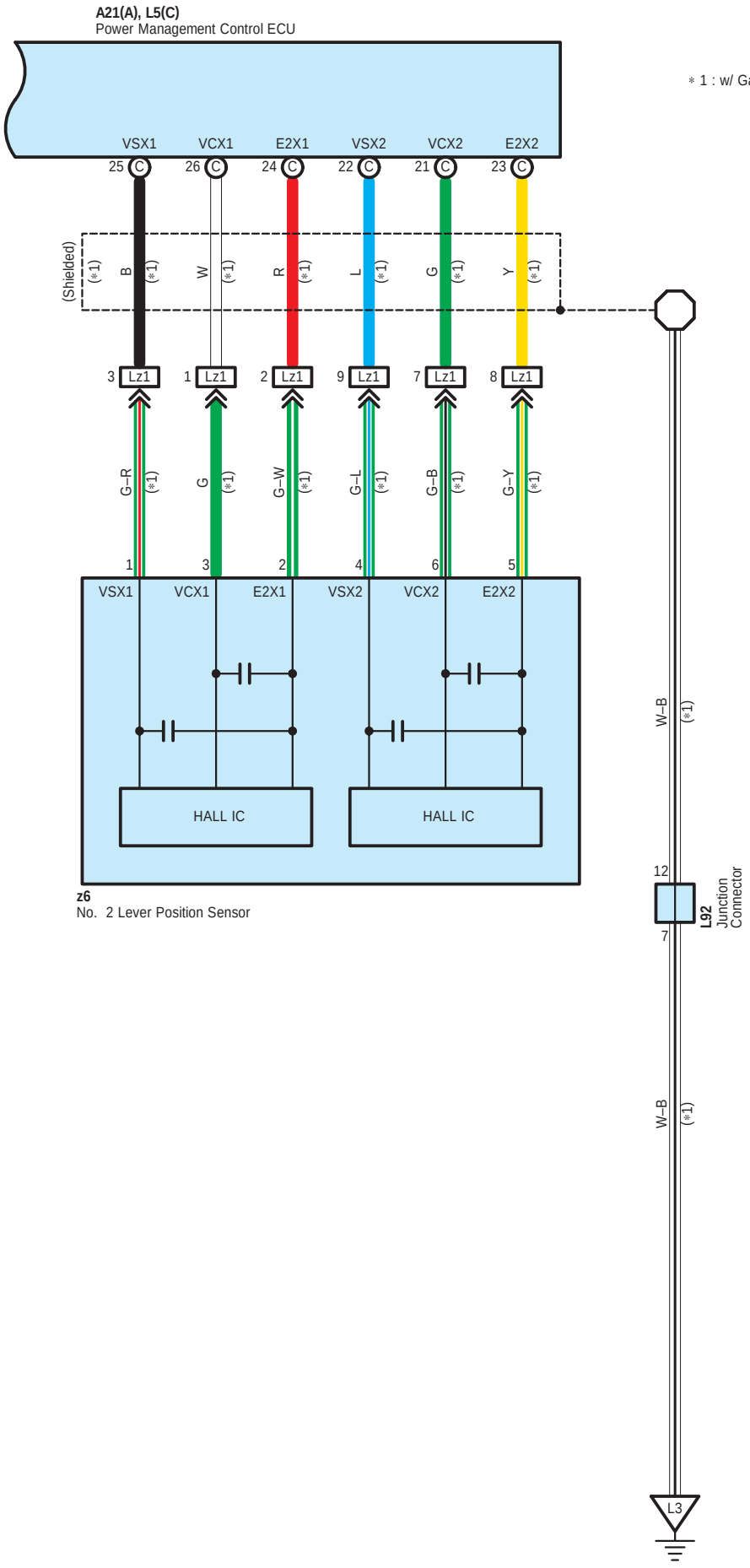



PS1
White
1 2 3 4 5 6
12 13 7 8 9 10 11 19 20 21
14 15 16 17 18
6 5 4 3 2 1
21 20 19 11 10 9 8 7 13 12
18 17 16 15 14
QR1
White
1 2 3 4 5 6
12 13 7 8 9 10 11 19 20 21
14 15 16 17 18
6 5 4 3 2 1
21 20 19 11 10 9 8 7 13 12
18 17 16 15 14


(BAT)
10A
DOME
(IG)
10A
ECU–IG
NO. 2
U5(A), U6(B), U7(C)
Inner Rear View Mirror Assembly
+B
IG
E
CB+
CV+
CV–
CGND
REV
L93
Junction Connector
L1
V6
Rear Television Camera Assembly
(Shielded)



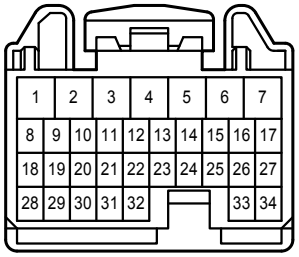
∗ 1 : w/ Garage Door Opener w/ Rear View Monitor
∗ 2 : w/ Garage Door Opener w/o Rear View Monitor
∗ 3 : w/o Garage Door Opener



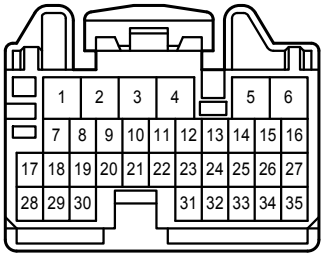
z6
No. 2 Lever Position Sensor

* 1 : w/ Garage Door Opener w/ Rear View Monitor

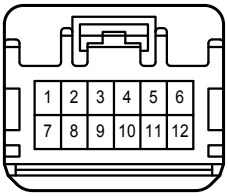
A 21
Gray



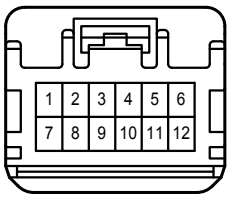
L 5
Gray



L 92
White



L 93
White



U 5
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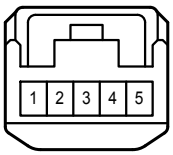

U 6
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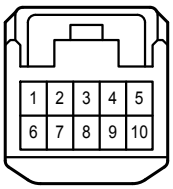
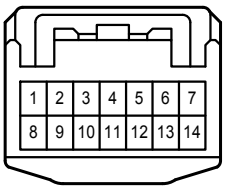
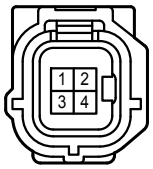


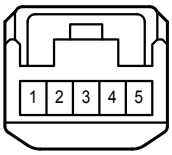
U 7
White



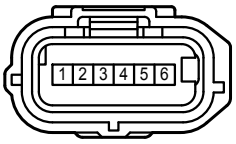
V 6
Black



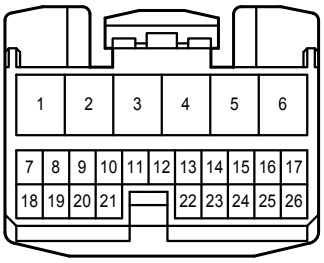
z 5
White



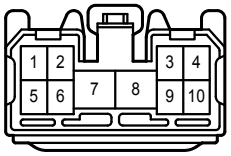
z 6
White



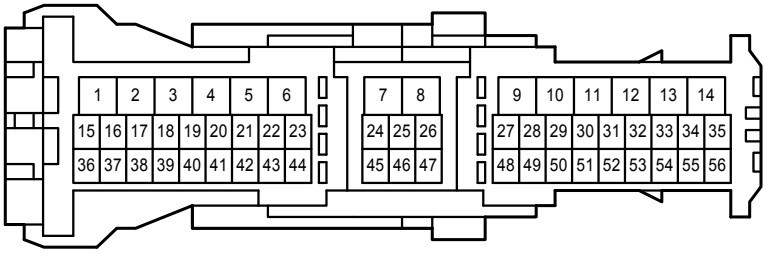
1G
White



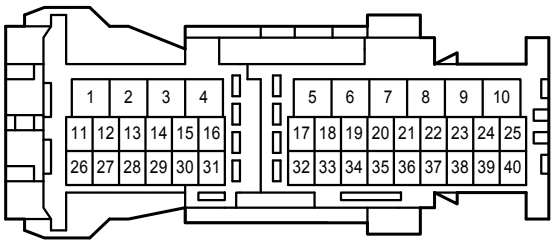
1H
White



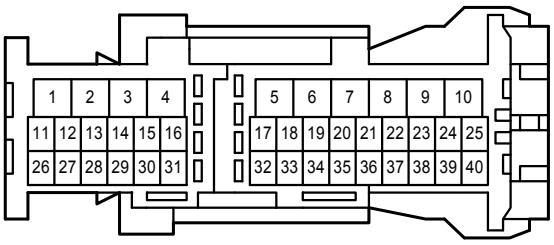
2A
White



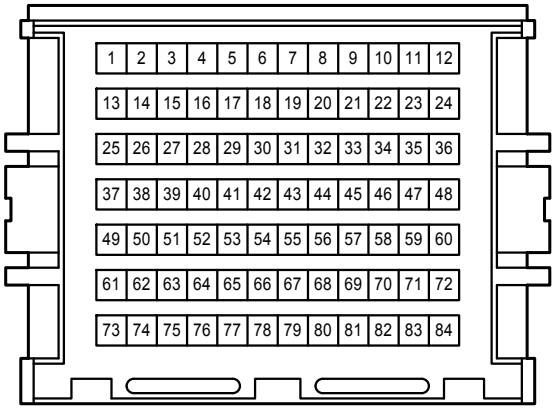
2B
White



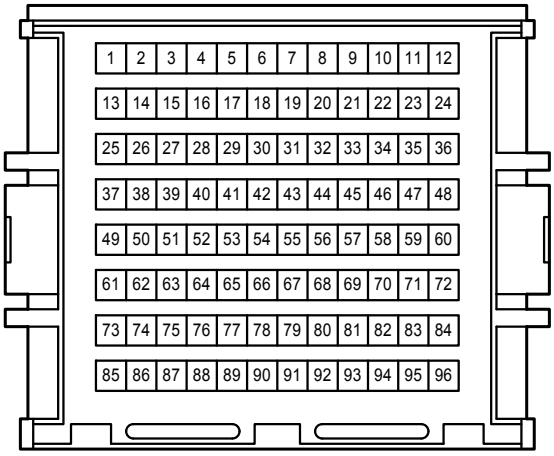
2C
White



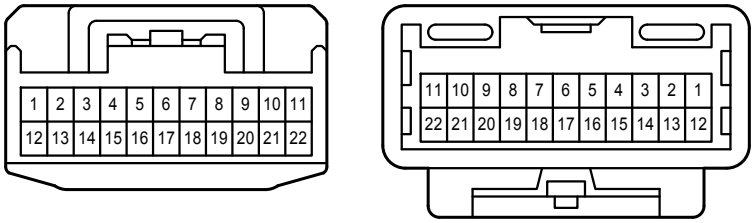
3A
White



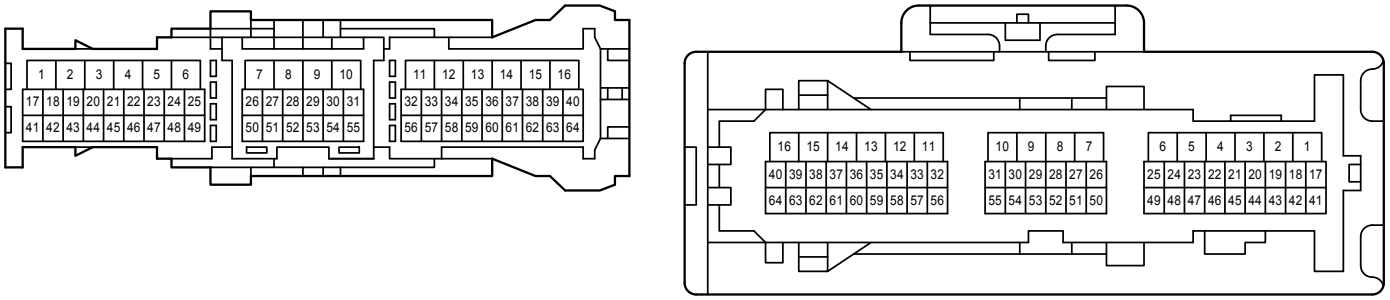
3B
White



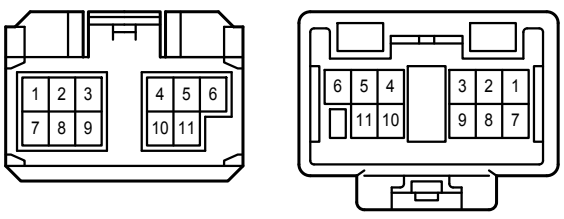
AL1
Blue



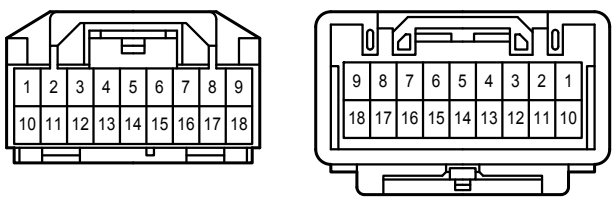
LR1
White

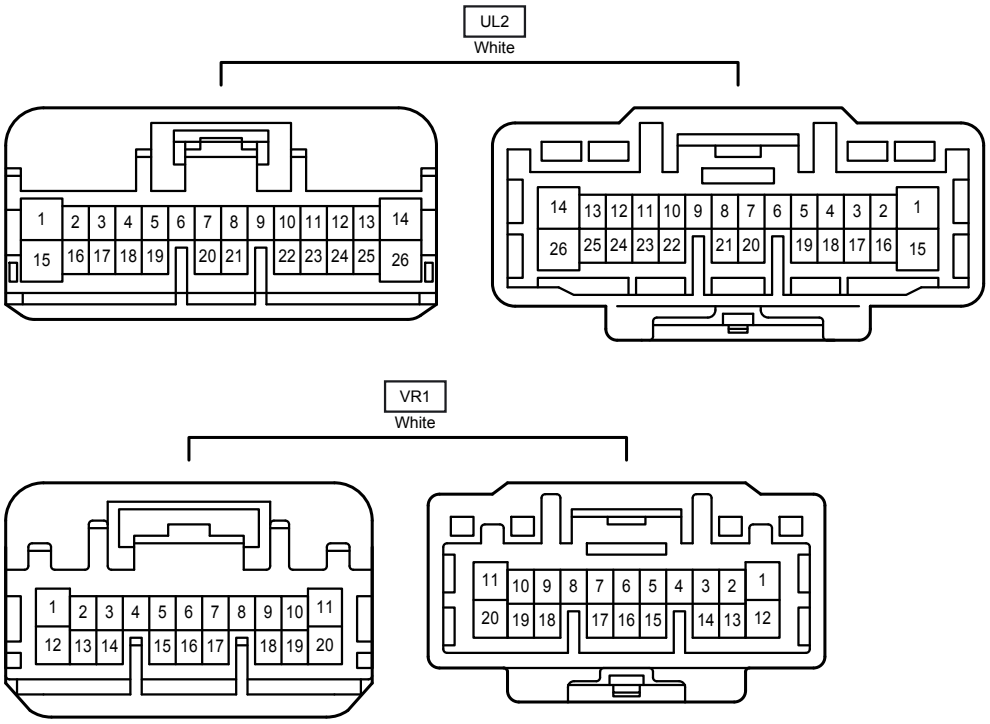


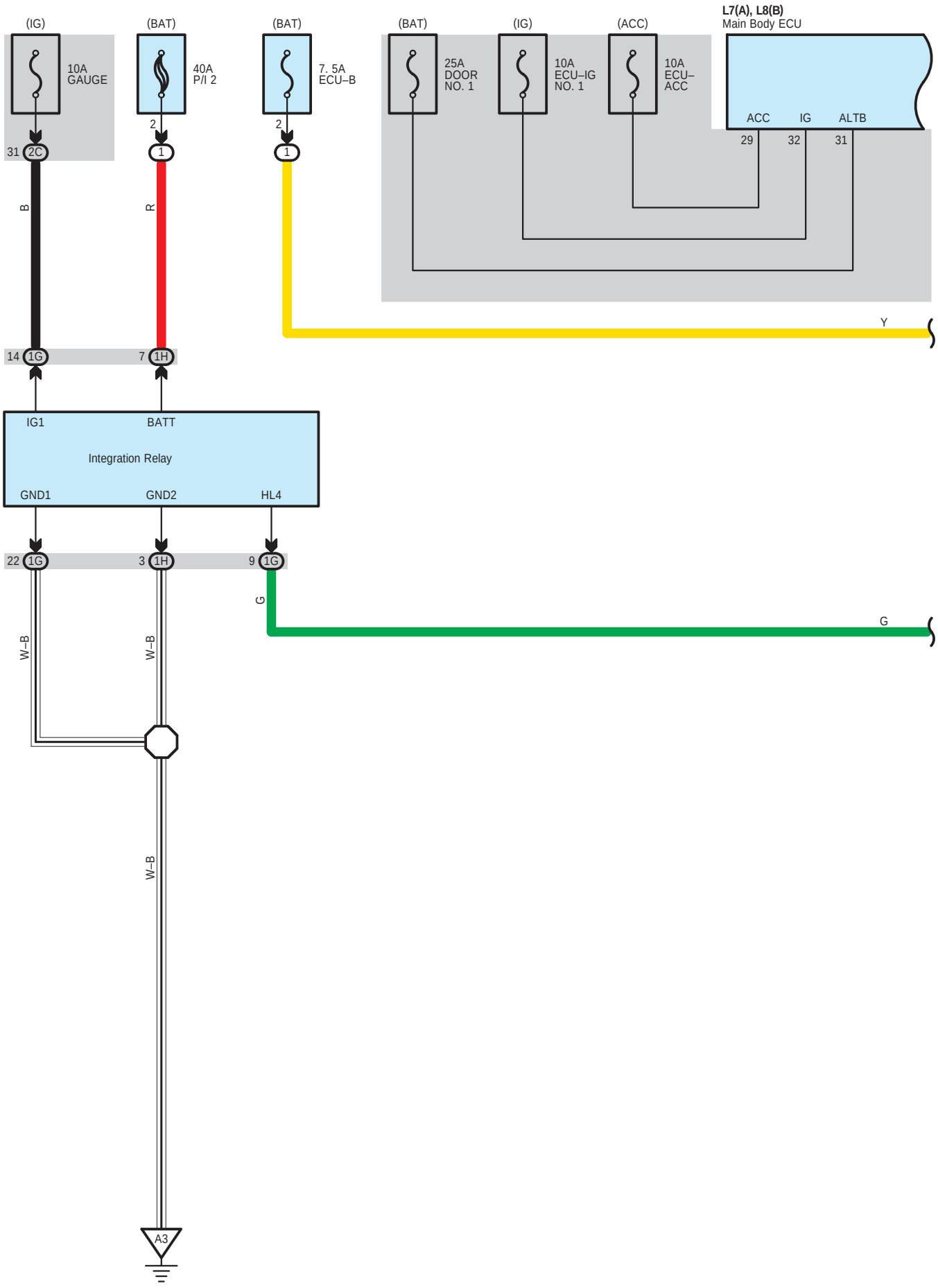
Lz1
White

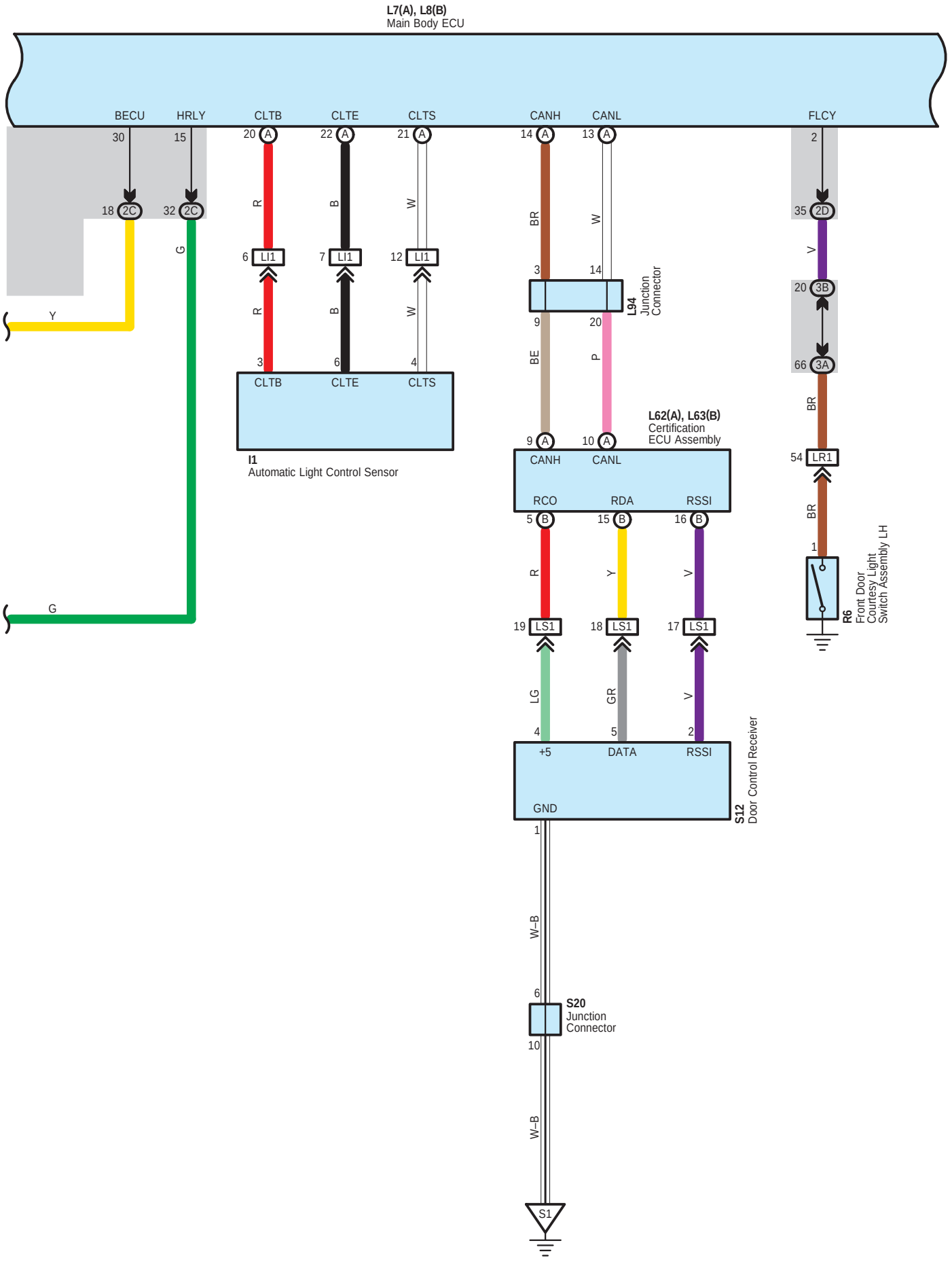


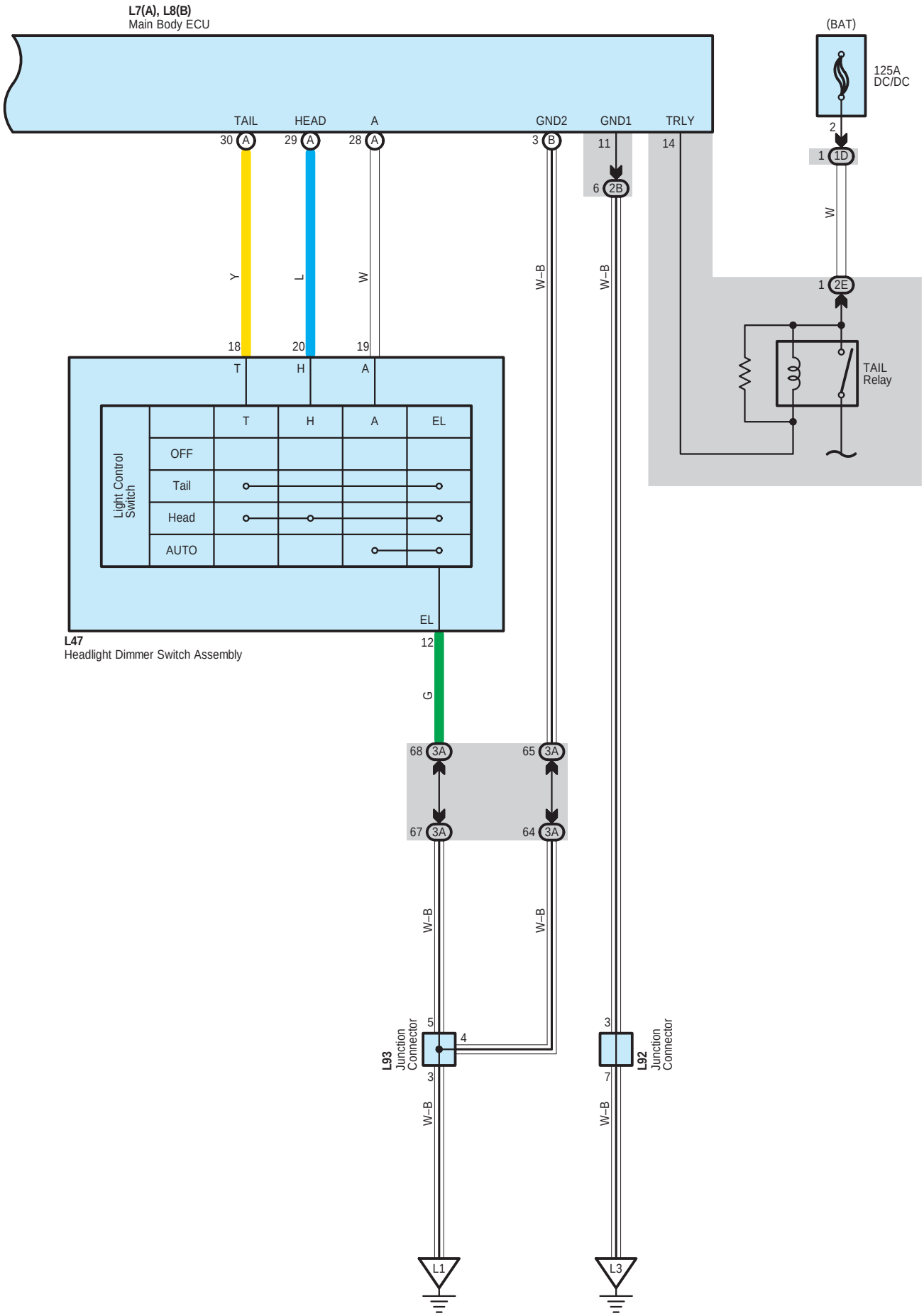
UL1
Gray



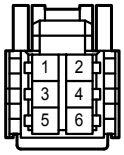

UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15
VR1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12


(IG)
(BAT)
(BAT)
(BAT)
(IG)
(ACC)
L7(A), L8(B)
Main Body ECU
10A
GAUGE
40A
P/I 2
7. 5A
ECU–B
25A
DOOR
NO. 1
10A
ECU–IG
NO. 1
10A
ECU–
ACC
ACC
IG
ALTB
29
32
31
31 2C
2
1
2
1
B
R
Y
14 1G
7 1H
IG1
BATT
Integration Relay
GND1
GND2
HL4
22 1G
3 1H
9 1G
G
G
W–B
W–B
W–B
A3

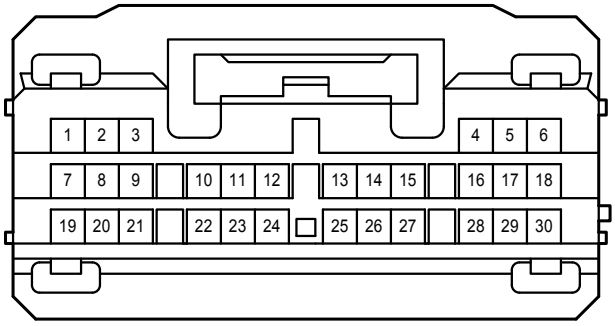

L7(A), L8(B)
Main Body ECU
BECU
HRLY
CLTB
CLTE
CLTS
CANH
CANL
FLCY
30
15
20 A
22 A
21 A
14 A
13 A
2
18 2C
32 2C
35 2D
V
20 3B
66 3A
BR
54 LR1
BR
1
R6
Front Door
Courtesy Light
Switch Assembly LH
G
Y
R
B
W
BR
W
6 LI1
7 LI1
12 LI1
3
14
L94
Junction
Connector
9
20
BE
P
3
6
4
CLTB
CLTE
CLTS
I1
Automatic Light Control Sensor
L62(A), L63(B)
Certification
ECU Assembly
9 A
10 A
CANH
CANL
RCO
RDA
RSSI
5 B
15 B
16 B
R
Y
V
19 LS1
18 LS1
17 LS1
LG
GR
V
4
5
2
+5
DATA
RSSI
GND
S12
Door Control Receiver
1
W–B
6
S20
Junction
Connector
10
W–B
S1


L7(A), L8(B)
Main Body ECU
TAIL
HEAD
A
GND2
GND1
TRLY
30 A
29 A
28 A
3 B
11
14
6 2B
(BAT)
125A
DC/DC
2
1 1D
W
1 2E
TAIL
Relay
Y
L
W
W–B
W–B
18
20
19
T
H
A
Light Control
Switch
T
H
A
EL
OFF
Tail
Head
AUTO
EL
L47
Headlight Dimmer Switch Assembly
12
G
68 3A
65 3A
67 3A
64 3A
W–B
W–B
L93
Junction
Connector
5
4
3
W–B
L92
Junction
Connector
3
7
W–B
L1
L3

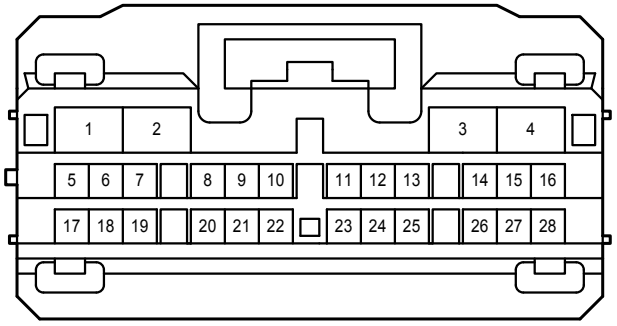
I 1
Black



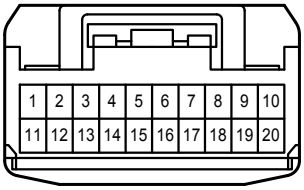
L 7
White



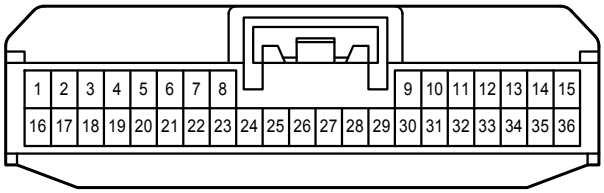
L 8
White



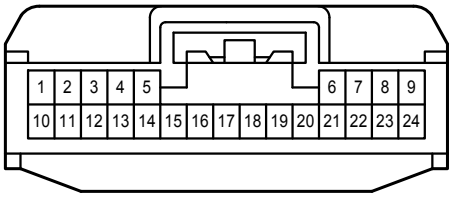
L 47
White



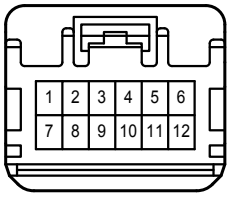
L 62
White



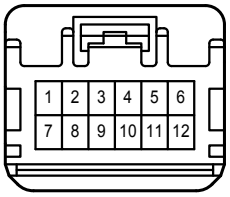
L 63
White



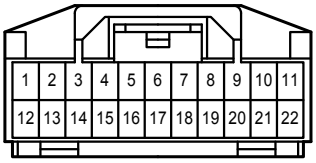
L 92
White



L 93
White

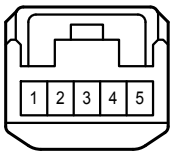


L 94
White

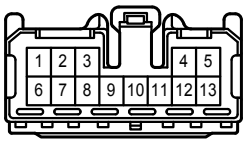


R 6
Black

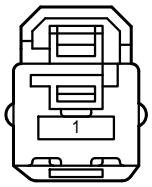
S 12
Blue



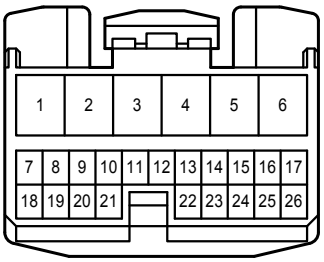
S 20
White



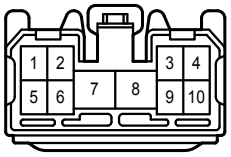
1D
Black



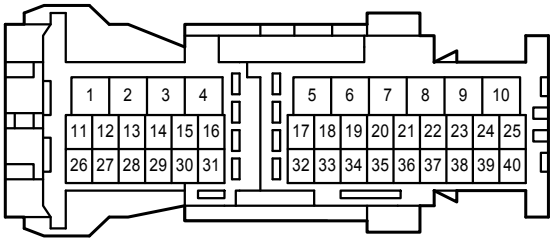
1G
White



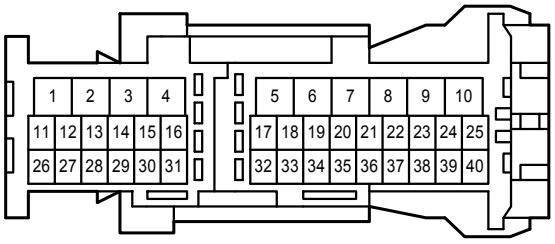
1H
White



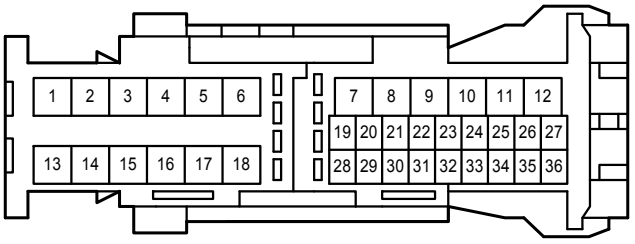
2B
White



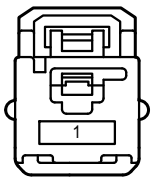
2C
White



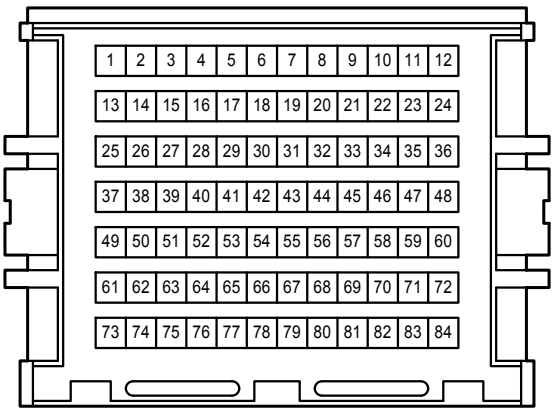
2D
White



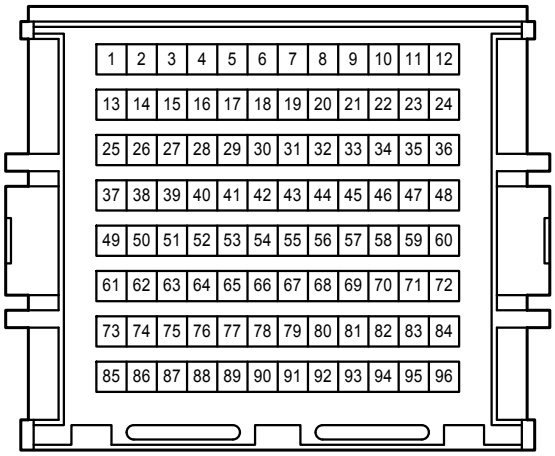
2E
White



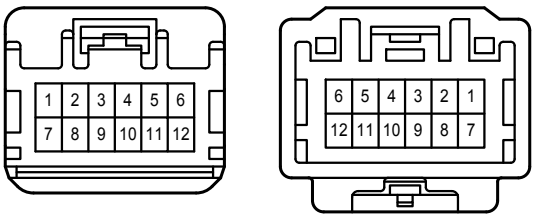
3A
White

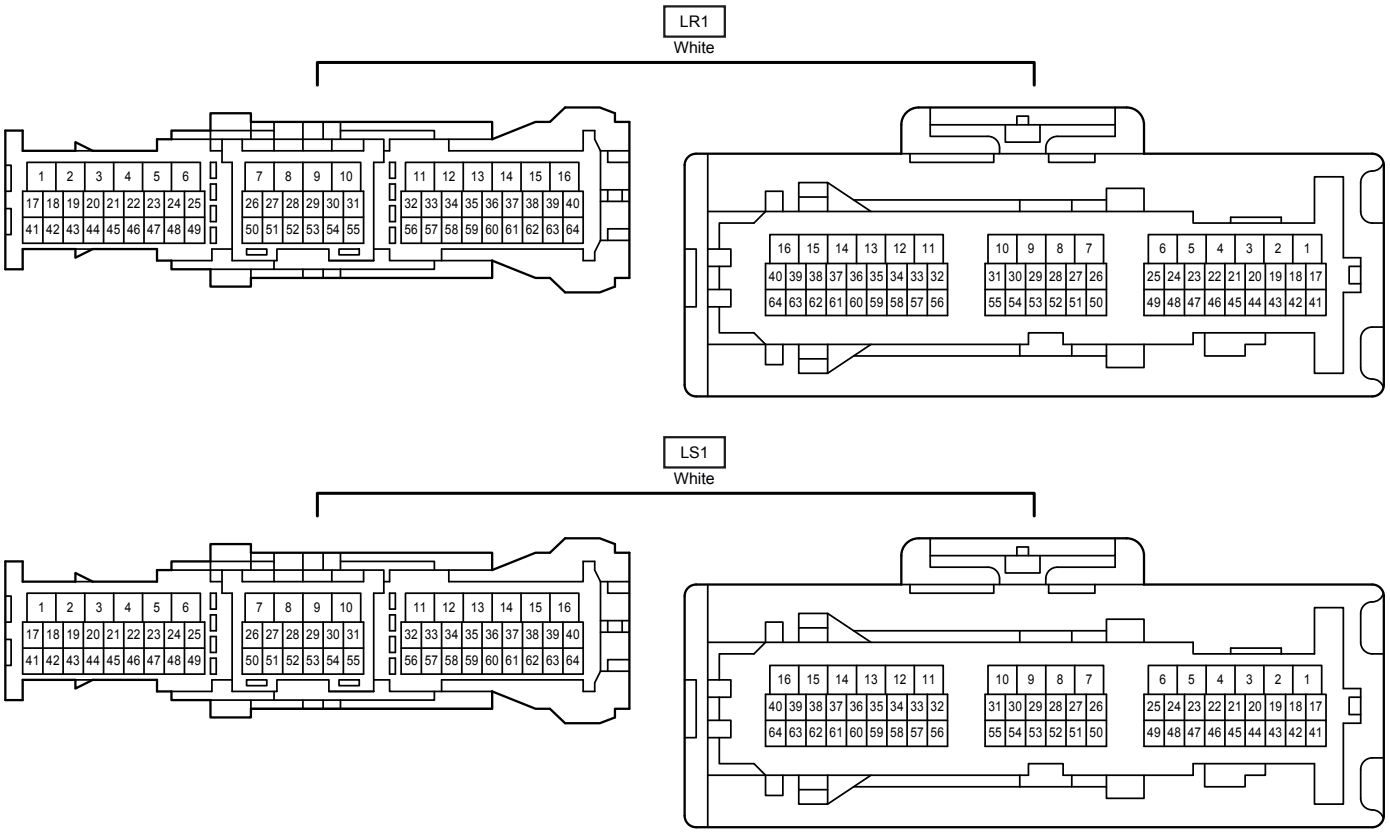


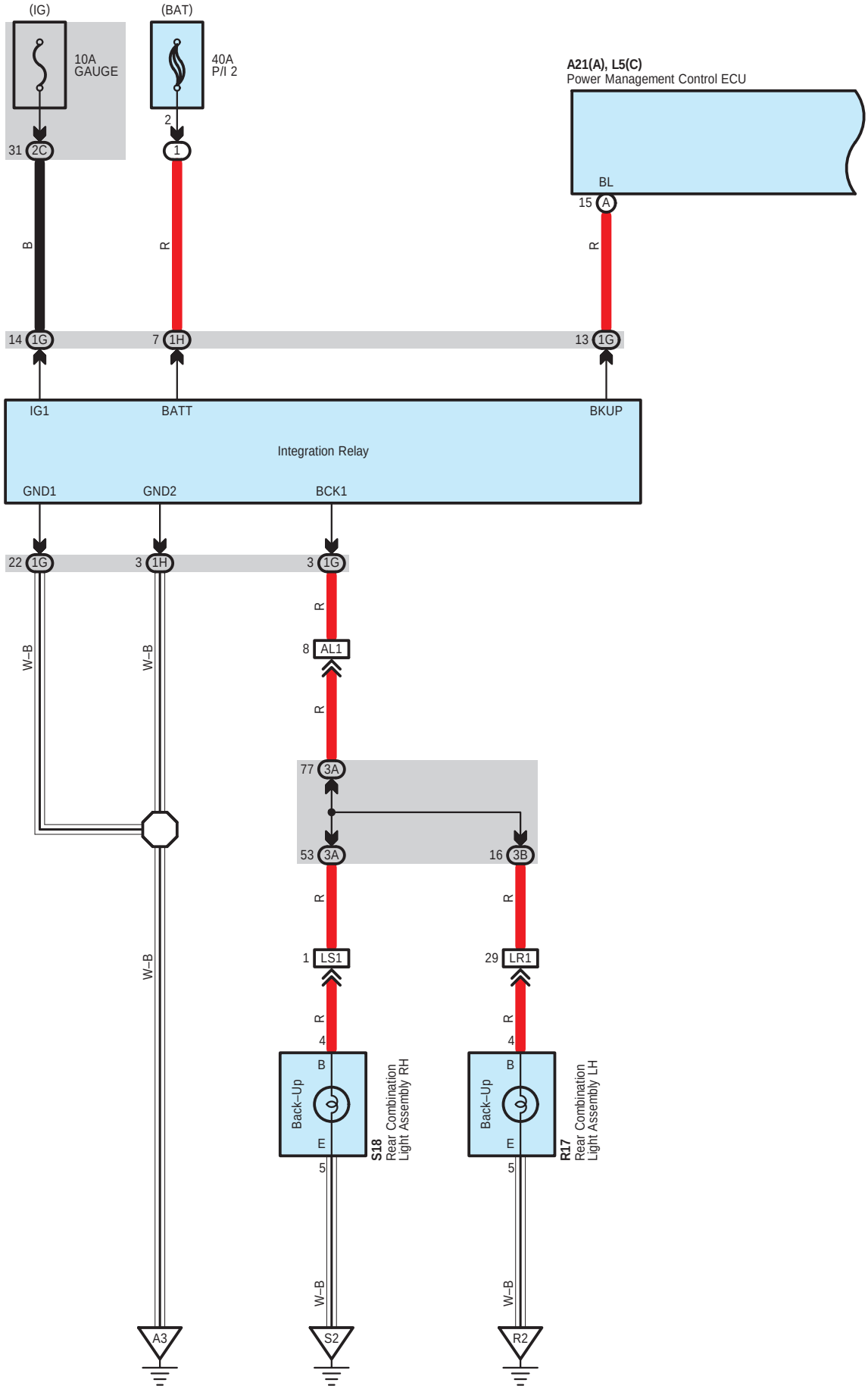
3B
White

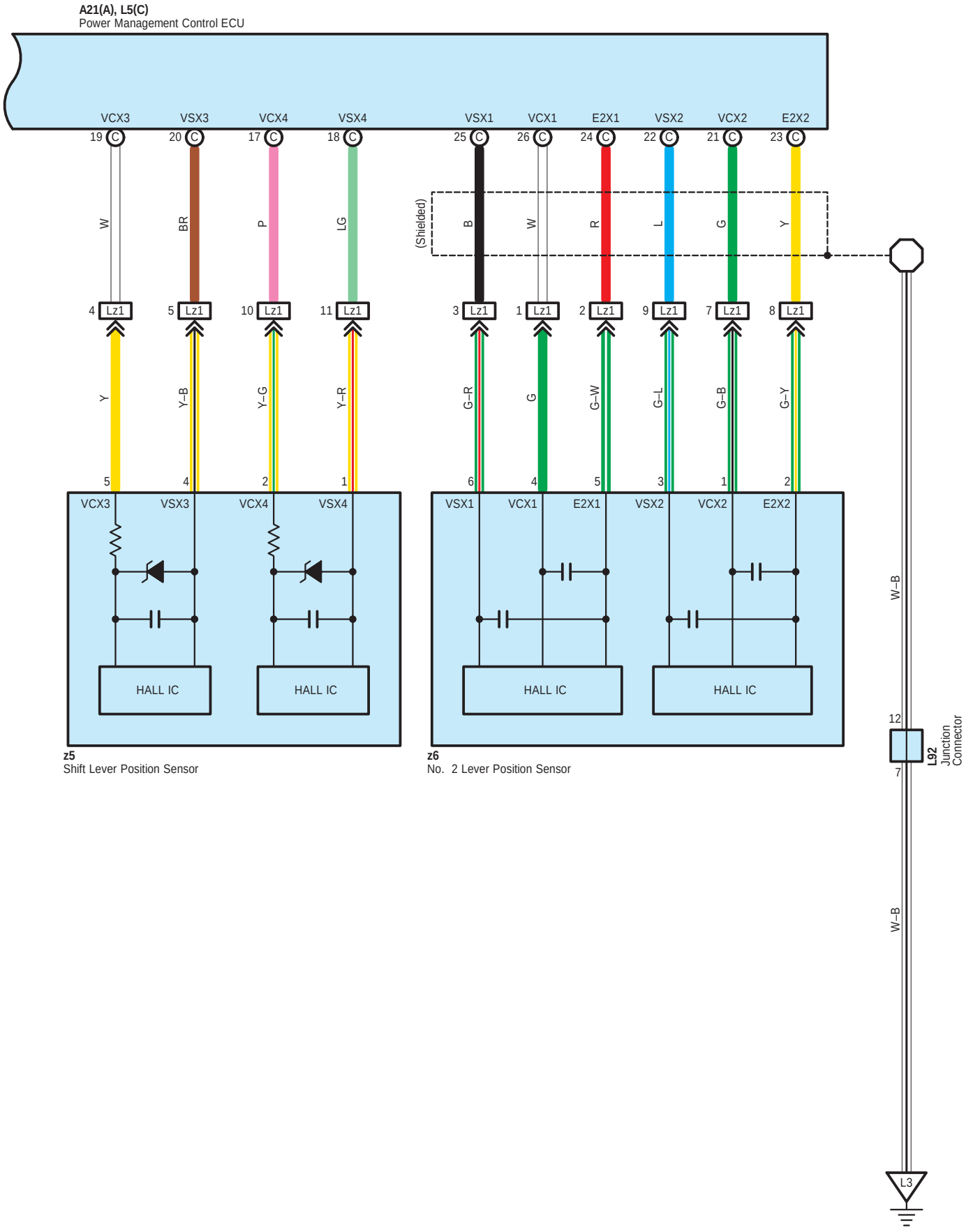


LI1
Black

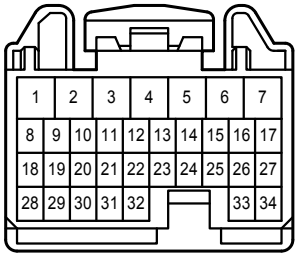



LR1
White
1 2 3 4 5 6
17 18 19 20 21 22 23 24 25
41 42 43 44 45 46 47 48 49
7 8 9 10
26 27 28 29 30 31
50 51 52 53 54 55
11 12 13 14 15 16
32 33 34 35 36 37 38 39 40
56 57 58 59 60 61 62 63 64
16 15 14 13 12 11
40 39 38 37 36 35 34 33 32
64 63 62 61 60 59 58 57 56
10 9 8 7
31 30 29 28 27 26
55 54 53 52 51 50
6 5 4 3 2 1
25 24 23 22 21 20 19 18 17
49 48 47 46 45 44 43 42 41
LS1
White
1 2 3 4 5 6
17 18 19 20 21 22 23 24 25
41 42 43 44 45 46 47 48 49
7 8 9 10
26 27 28 29 30 31
50 51 52 53 54 55
11 12 13 14 15 16
32 33 34 35 36 37 38 39 40
56 57 58 59 60 61 62 63 64
16 15 14 13 12 11
40 39 38 37 36 35 34 33 32
64 63 62 61 60 59 58 57 56
10 9 8 7
31 30 29 28 27 26
55 54 53 52 51 50
6 5 4 3 2 1
25 24 23 22 21 20 19 18 17
49 48 47 46 45 44 43 42 41

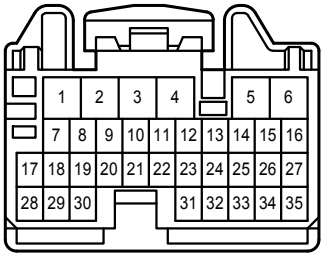

(IG)
(BAT)
10A
GAUGE
40A
P/I 2
A21(A), L5(C)
Power Management Control ECU
BL
31 2C
2
1
15 A
B
R
R
14 1G
7 1H
13 1G
IG1
BATT
BKUP
Integration Relay
GND1
GND2
BCK1
22 1G
3 1H
3 1G
W–B
W–B
R
8 AL1
R
77 3A
53 3A
16 3B
R
R
1 LS1
29 LR1
R
R
4
4
B
E
Back–Up
S18
Rear Combination
Light Assembly RH
B
E
Back–Up
R17
Rear Combination
Light Assembly LH
5
5
W–B
W–B
W–B
A3
S2
R2


A21(A), L5(C)
Power Management Control ECU
VCX3
VSX3
VCX4
VSX4
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
19
20
17
18
25
26
24
22
21
23
W
BR
P
LG
(Shielded)
B
W
R
L
G
Y
4
5
10
11
3
1
2
9
7
8
Lz1
Y
Y–B
Y–G
Y–R
G–R
G
G–W
G–L
G–B
G–Y
5
4
2
1
6
4
5
3
1
2
HALL IC
HALL IC
HALL IC
HALL IC
z5
Shift Lever Position Sensor
z6
No. 2 Lever Position Sensor
W–B
12
7
L92
Junction Connector
W–B
L3

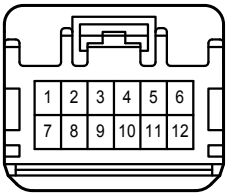
A 21
Gray



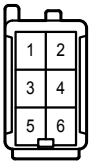
L 5
Gray



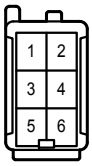
L 92
White



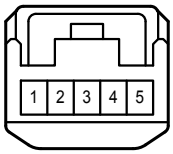
R 17
White



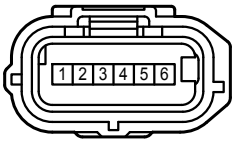
S 18
White



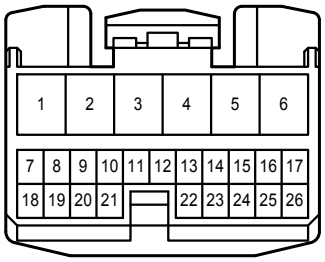
z 5
White



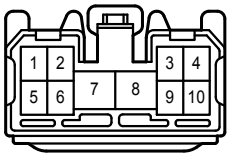
z 6
White



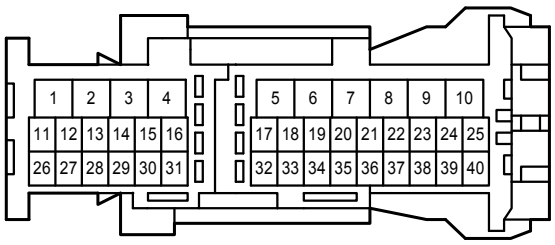
1G
White



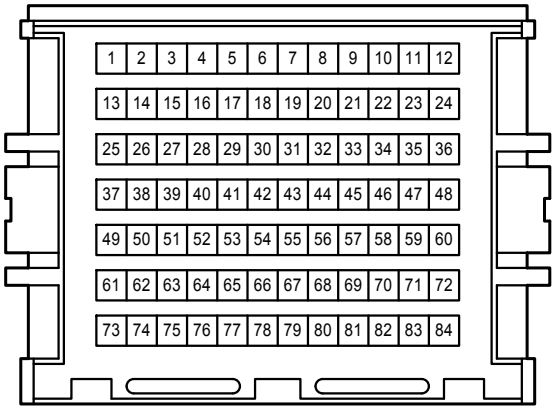
1H
White



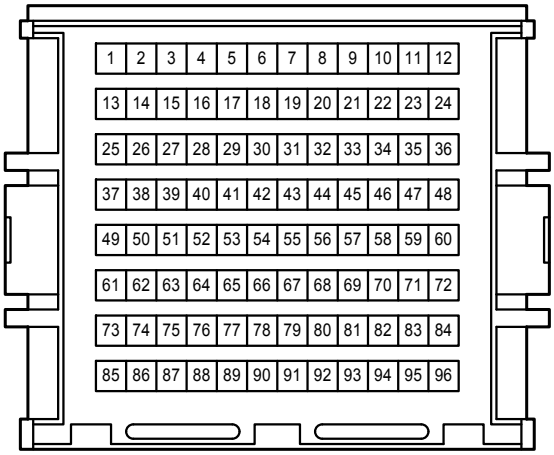
2C
White



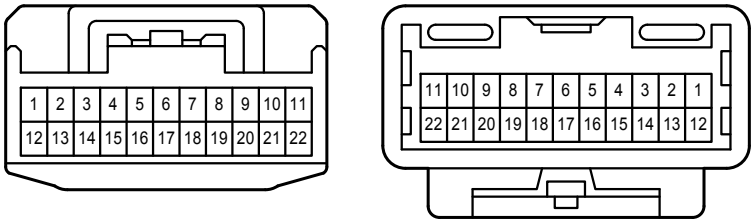
3A
White



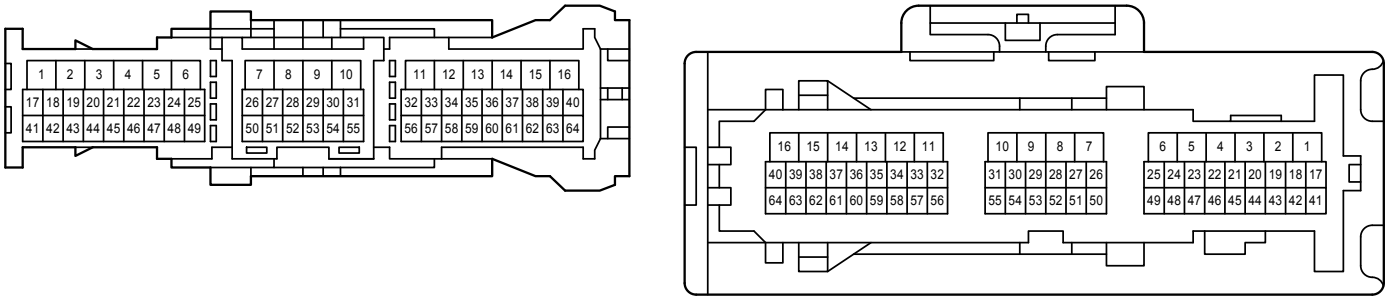
3B
White



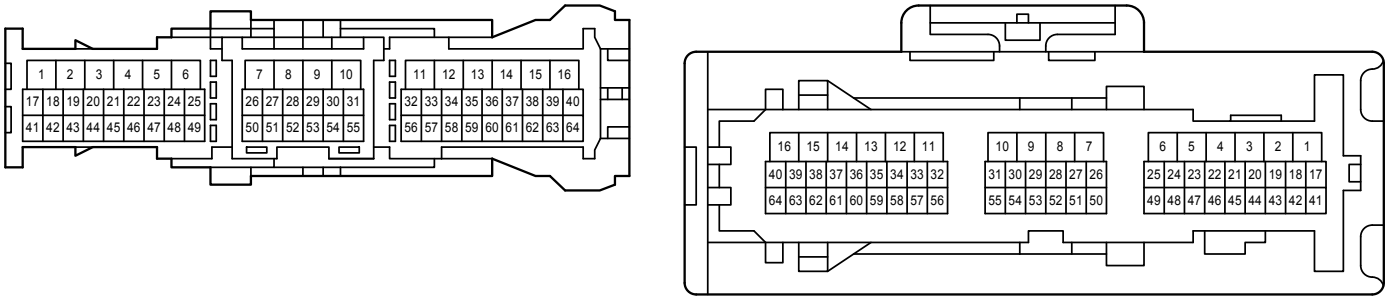
AL1
Blue



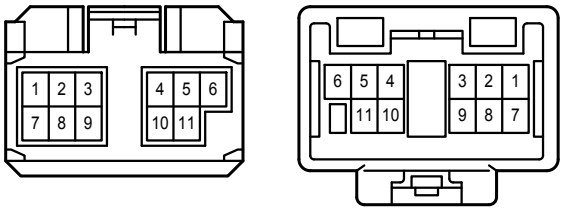
LR1
White

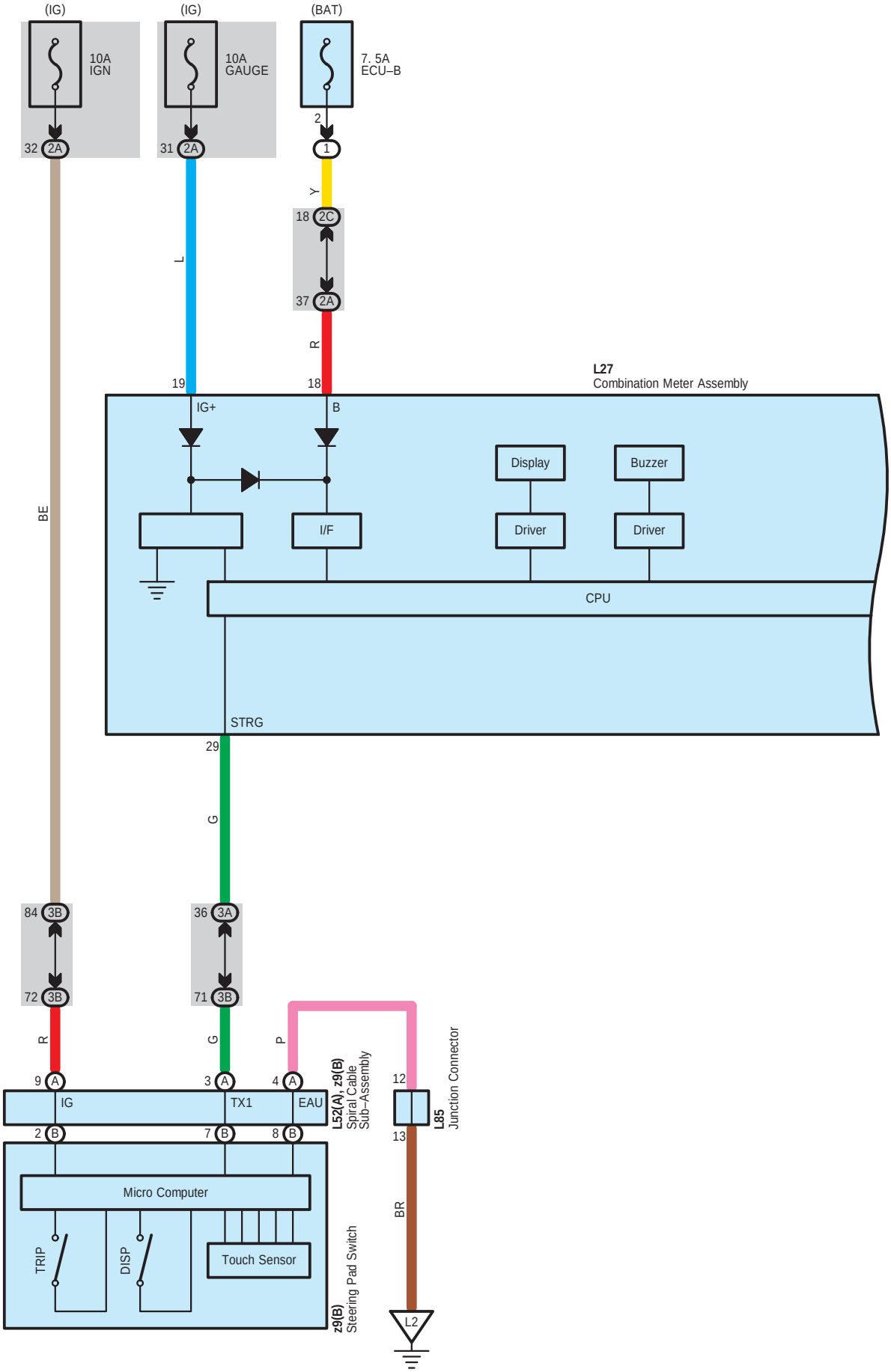


LS1
White

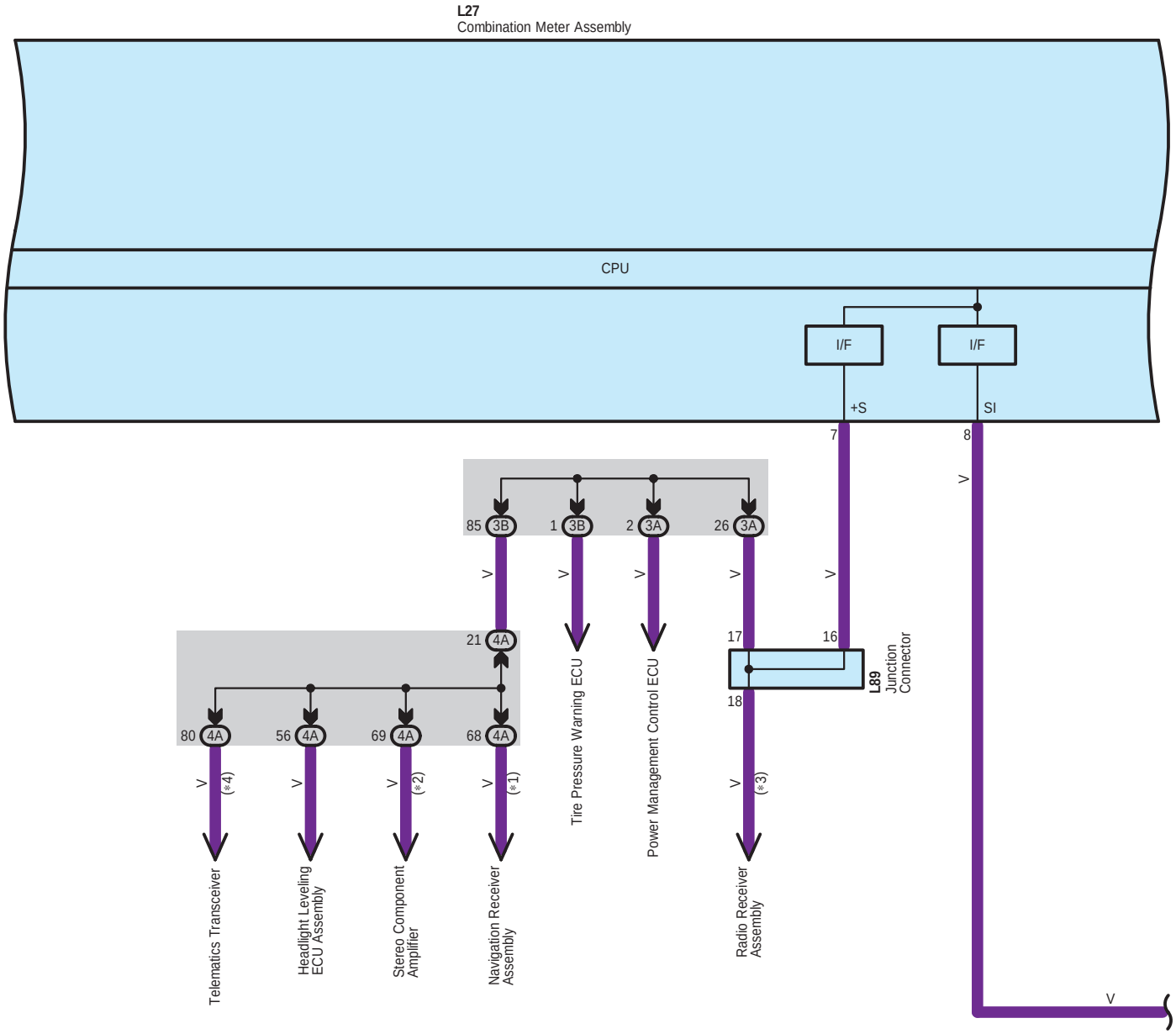


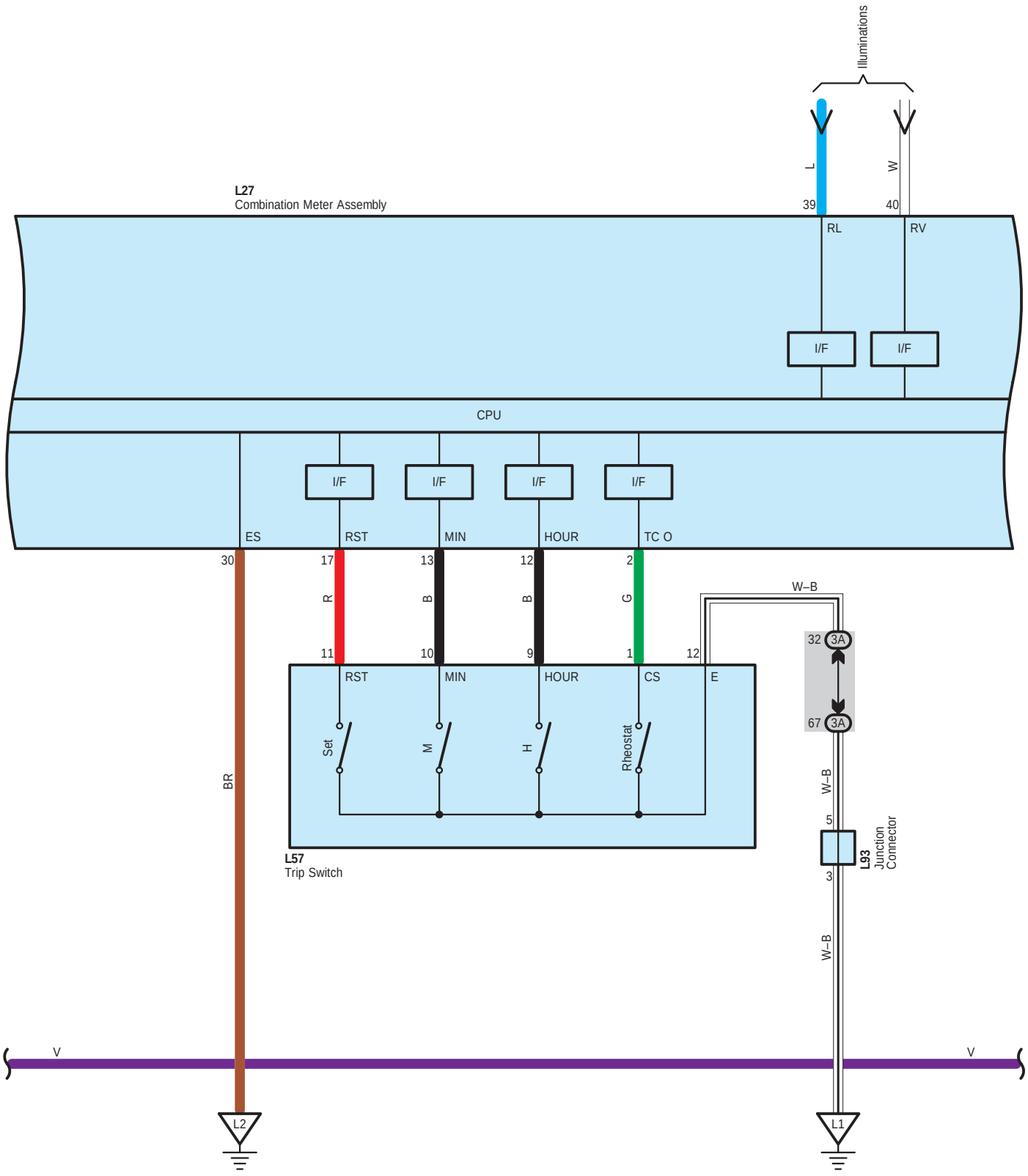
Lz1
White

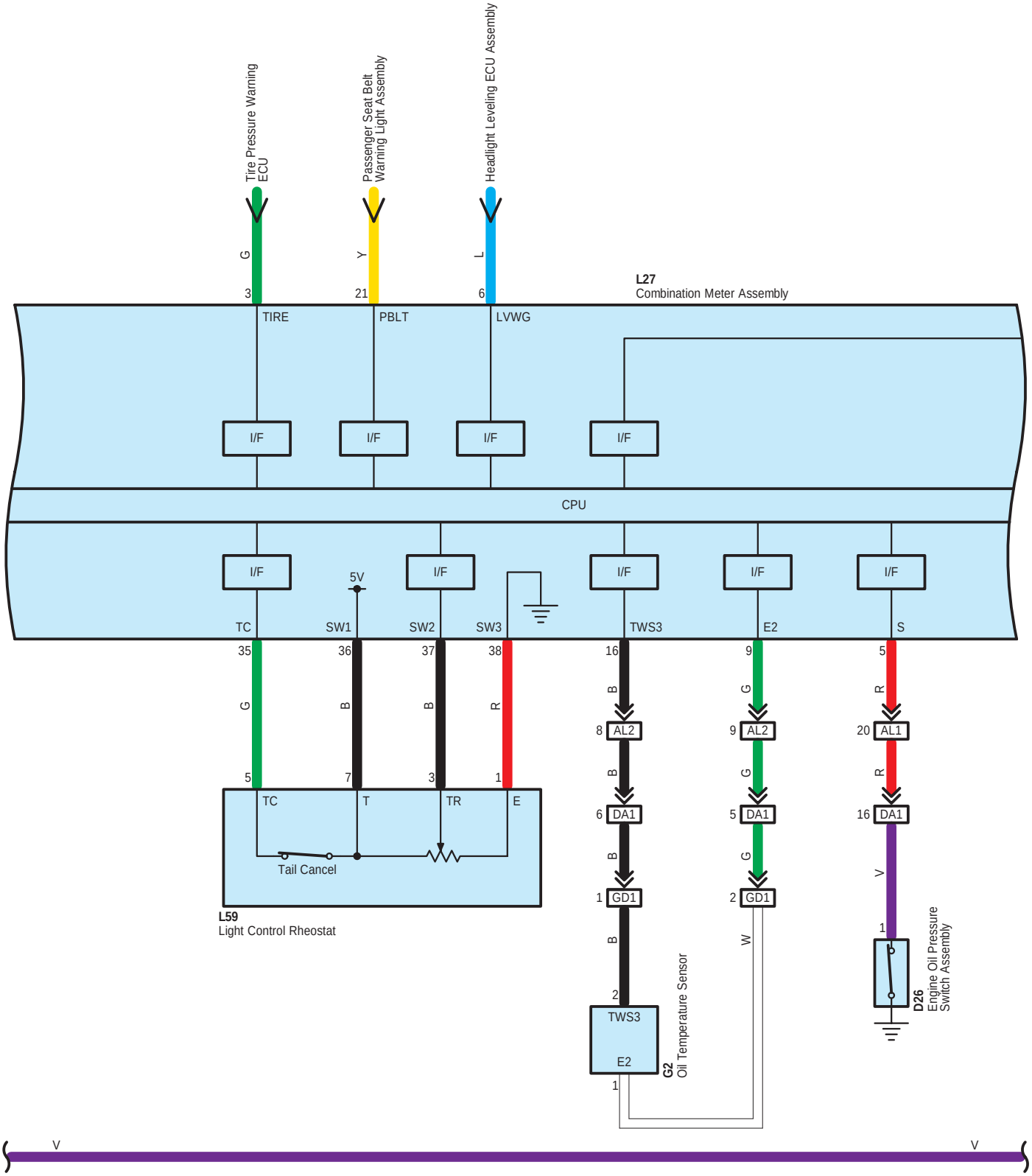


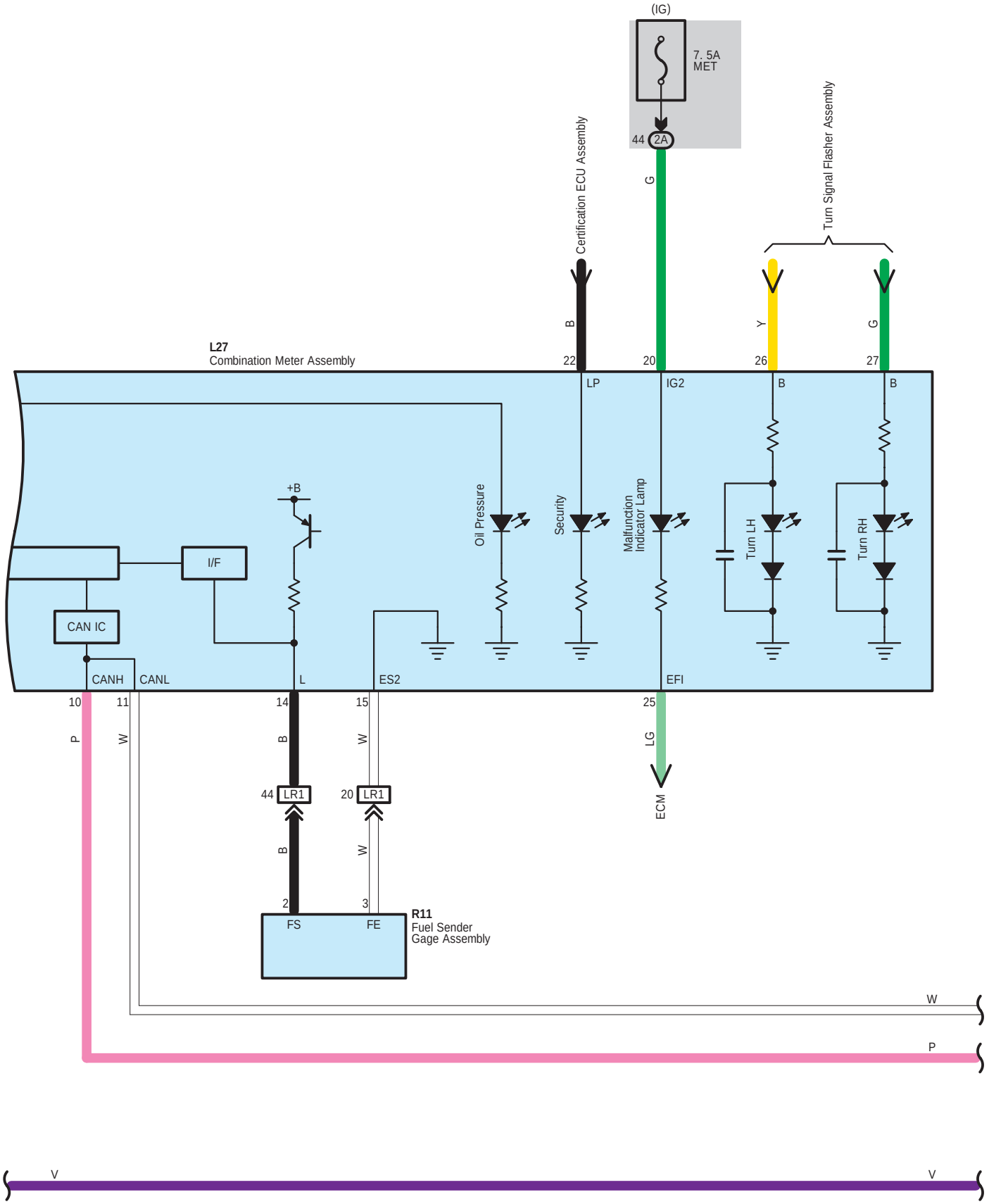

(IG)
10A
IGN
(IG)
10A
GAUGE
(BAT)
7. 5A
ECU–B
32 2A
31 2A
2
1
Y
18 2C
37 2A
L
R
19
18
L27
Combination Meter Assembly
IG+
B
Display
Buzzer
I/F
Driver
Driver
CPU
STRG
BE
29
G
84 3B
72 3B
36 3A
71 3B
R
G
P
9 A
3 A
4 A
12
IG
TX1
EAU
L52(A), 29(B)
Spiral Cable
Sub–Assembly
L85
Junction Connector
2 B
7 B
8 B
13
Micro Computer
BR
TRIP
DISP
Touch Sensor
29(B)
Steering Pad Switch
L2

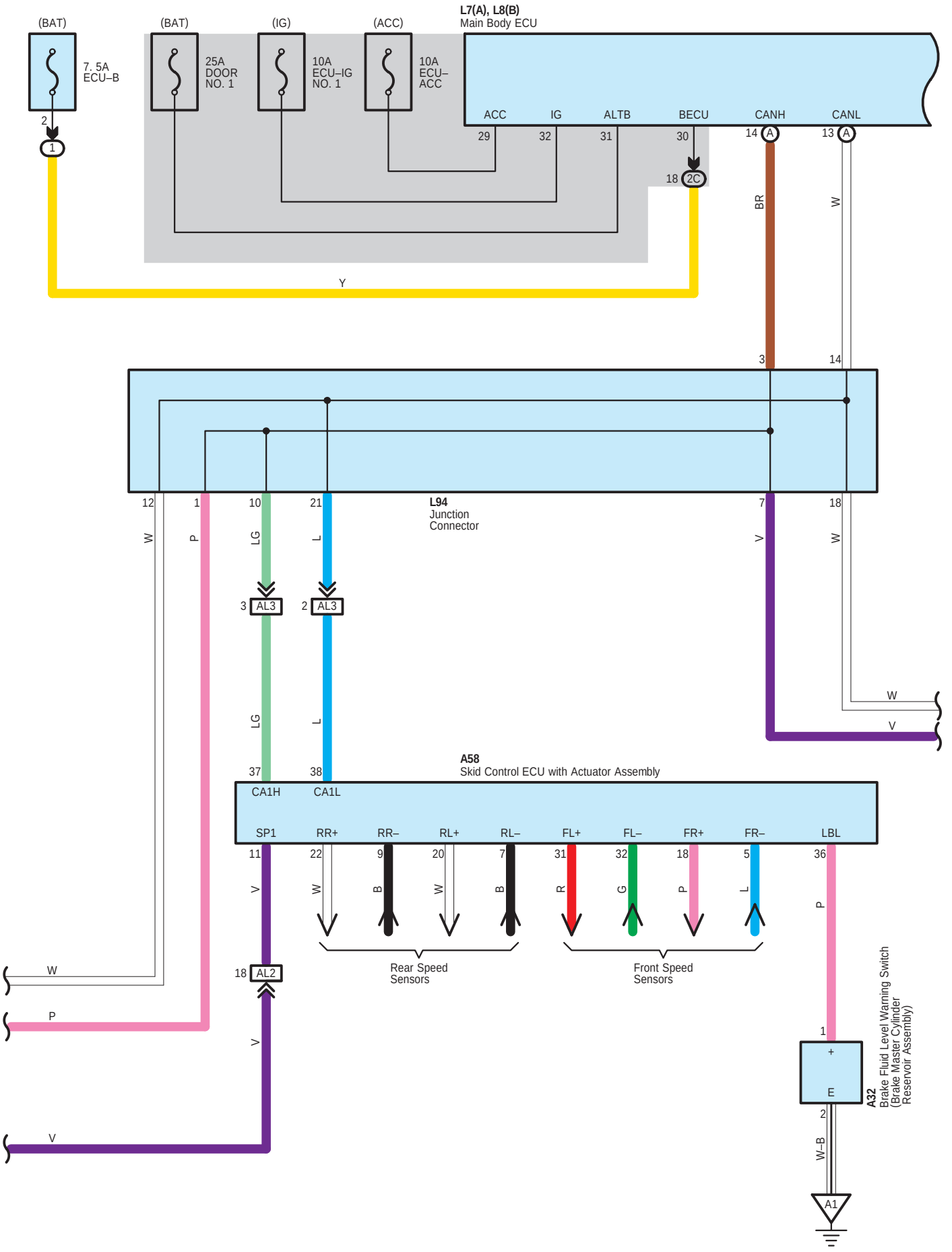
* 1 : w/ Navigation System
* 2 : w/ Stereo Component Amplifier
* 3 : w/o Stereo Component Amplifier
* 4 : w/ Safety Connect System

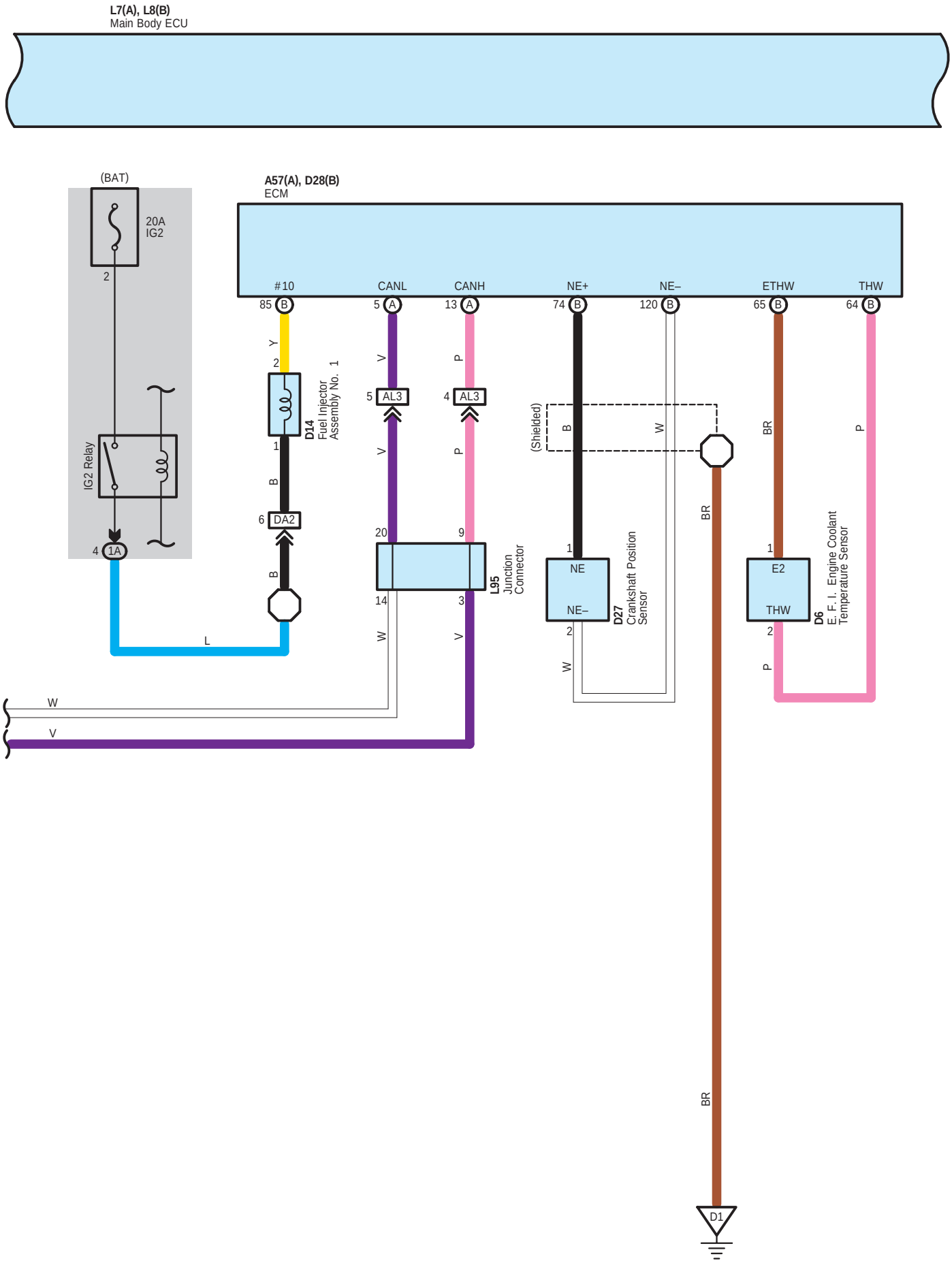


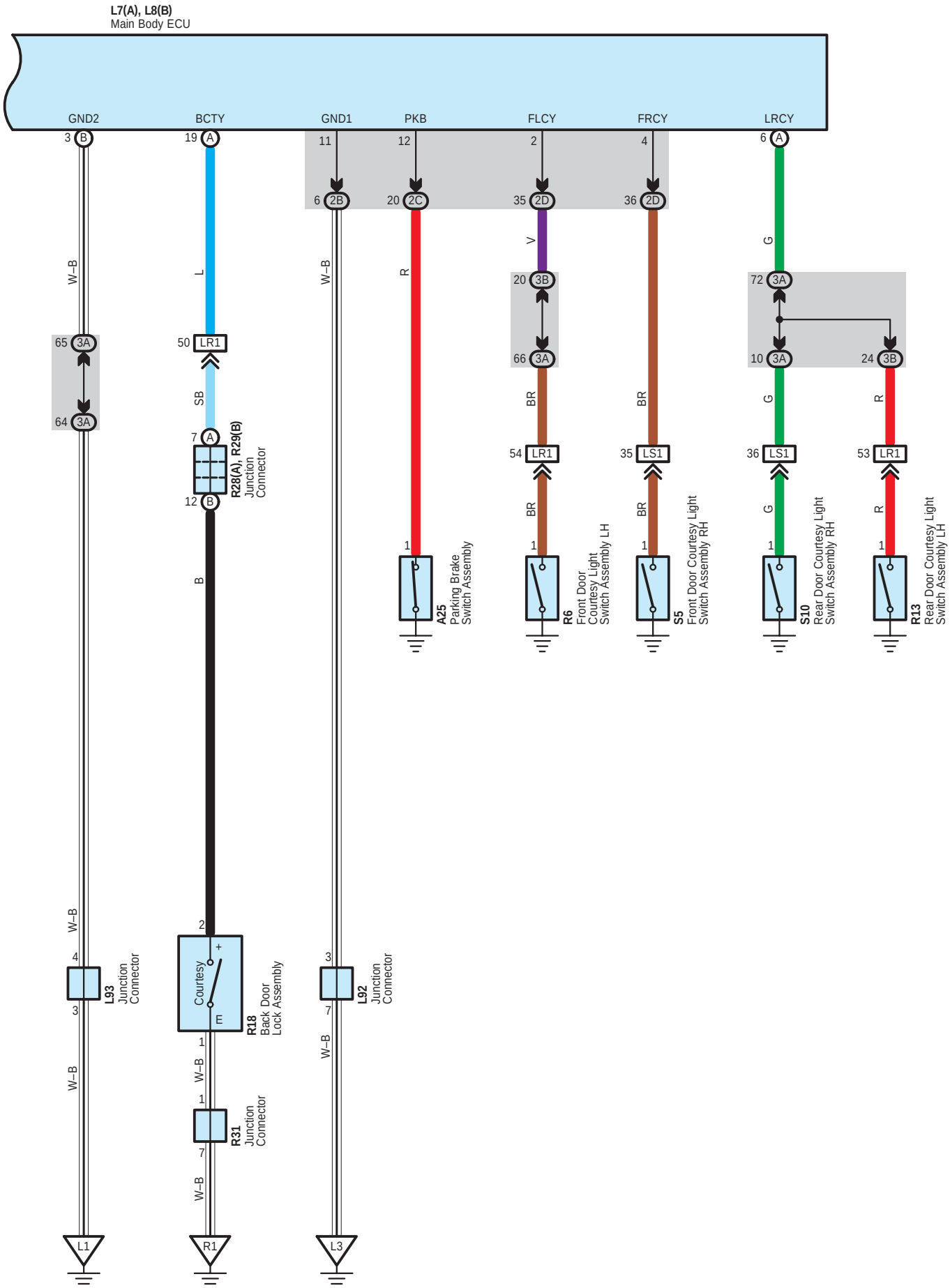

Illuminations
L
W
39
40
L27
Combination Meter Assembly
RL
RV
I/F
I/F
CPU
I/F
I/F
I/F
I/F
ES
RST
MIN
HOUR
TC O
30
17
13
12
2
R
B
B
G
11
10
9
1
12
W–B
32
3A
67
3A
RST
MIN
HOUR
CS
E
Set
M
H
Rheostat
BR
W–B
5
3
L93
Junction
Connector
W–B
L57
Trip Switch
V
V
L2
L1


Tire Pressure Warning ECU
Passenger Seat Belt Warning Light Assembly
Headlight Leveling ECU Assembly
G
Y
L
3
21
6
L27
Combination Meter Assembly
TIRE
PBLT
LVWG
I/F
CPU
5V
TC
SW1
SW2
SW3
TWS3
E2
S
35
36
37
38
16
9
5
B
R
G
V
8
AL2
20
AL1
6
DA1
1
GD1
2
TWS3
E2
G2
Oil Temperature Sensor
D26
Engine Oil Pressure Switch Assembly
L59
Light Control Rheostat
T
TR
E
Tail Cancel
W


(IG)
7. 5A
MET
44
2A
G
Certification ECU Assembly
B
Turn Signal Flasher Assembly
Y
G
L27
Combination Meter Assembly
22
20
26
27
LP
IG2
B
B
+B
Oil Pressure
Security
Malfunction
Indicator Lamp
Turn LH
Turn RH
I/F
CAN IC
CANH
CANL
L
ES2
EFI
10
11
14
15
25
P
W
B
W
LG
44
LR1
20
LR1
ECM
B
W
2
3
R11
Fuel Sender
Gage Assembly
FS
FE
W
P
V
V

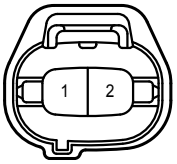

(BAT)
7. 5A
ECU–B
2
1
(BAT)
25A
DOOR
NO. 1
(IG)
10A
ECU–IG
NO. 1
(ACC)
10A
ECU–
ACC
L7(A), L8(B)
Main Body ECU
ACC
IG
ALTB
BECU
CANH
CANL
29
32
31
30
14 A
13 A
18 2C
BR
W
Y
3
14
12
1
10
21
L94
Junction
Connector
7
18
W
P
LG
L
V
W
3 AL3
2 AL3
LG
L
37
38
V
A58
Skid Control ECU with Actuator Assembly
CA1H
CA1L
SP1
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
LBL
11
22
9
20
7
31
32
18
5
36
V
W
B
W
B
R
G
P
L
P
Rear Speed
Sensors
Front Speed
Sensors
W
P
18 AL2
V
V
1
+
E
2
W–B
A32
Brake Fluid Level Warning Switch
(Brake Master Cylinder
Reservoir Assembly)
A1


L7(A), L8(B)
Main Body ECU
(BAT)
20A
IG2
2
IG2 Relay
4
1A
A57(A), D28(B)
ECM
#10
CANL
CANH
NE+
NE–
ETHW
THW
85
B
5
A
13
A
74
B
120
B
65
B
64
B
Y
2
D14
Fuel Injector
Assembly No. 1
1
B
6
DA2
B
V
5
AL3
V
P
4
AL3
P
20
9
14
3
L95
Junction
Connector
W
V
L
(Shielded)
B
W
1
NE
NE–
2
D27
Crankshaft Position
Sensor
W
BR
BR
BR
P
1
E2
THW
2
D6
E. F. I. Engine Coolant
Temperature Sensor
P
D1

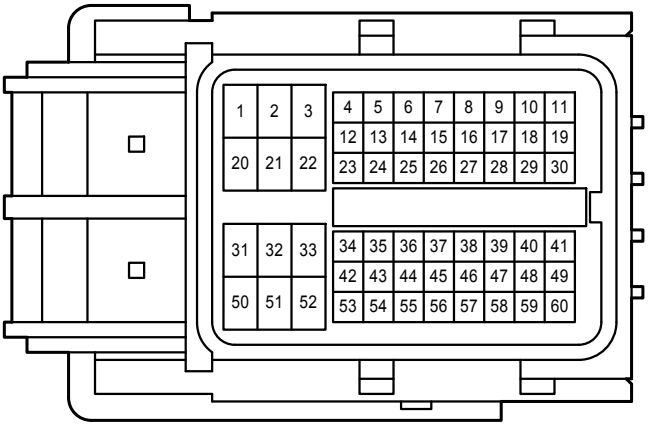

L7(A), L8(B)
Main Body ECU
GND2
BCTY
GND1
PKB
FLCY
FRCY
LRCY
3 B
19 A
11
12
2
4
6 A
W–B
L
W–B
V
G
65 3A
64 3A
50 LR1
6 2B
20 2C
35 2D
36 2D
20 3B
66 3A
72 3A
10 3A
24 3B
SB
BR
BR
G
R
7 A
12 B
54 LR1
35 LS1
36 LS1
53 LR1
R28(A), R29(B)
Junction Connector
B
1
1
1
1
1
A25
Parking Brake Switch Assembly
R6
Front Door Courtesy Light Switch Assembly LH
S5
Front Door Courtesy Light Switch Assembly RH
S10
Rear Door Courtesy Light Switch Assembly RH
R13
Rear Door Courtesy Light Switch Assembly LH
2
4
3
3
7
W–B
W–B
W–B
L93
Junction Connector
Courtesy
+
E
R18
Back Door Lock Assembly
L92
Junction Connector
1
1
7
W–B
W–B
W–B
R31
Junction Connector
L1
R1
L3

A 25
White

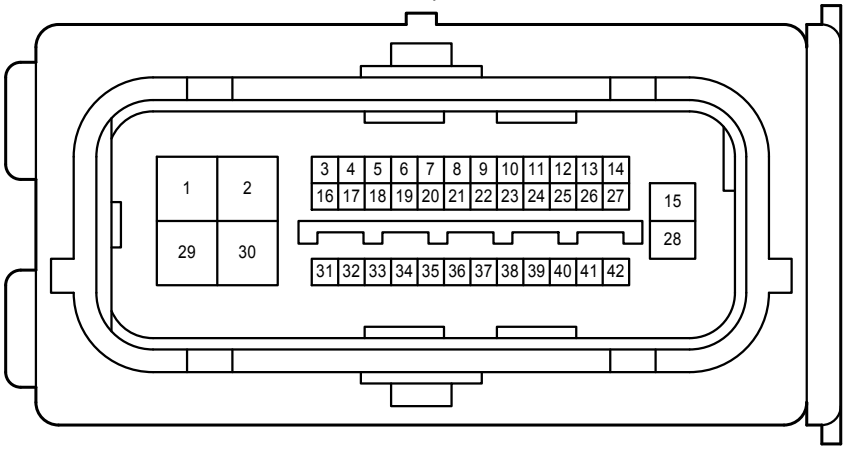
A 32
Black



A 57
Black

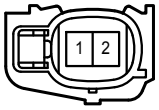


A 58
Gray



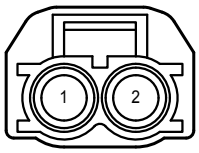
D 6
Black

D 14
Black

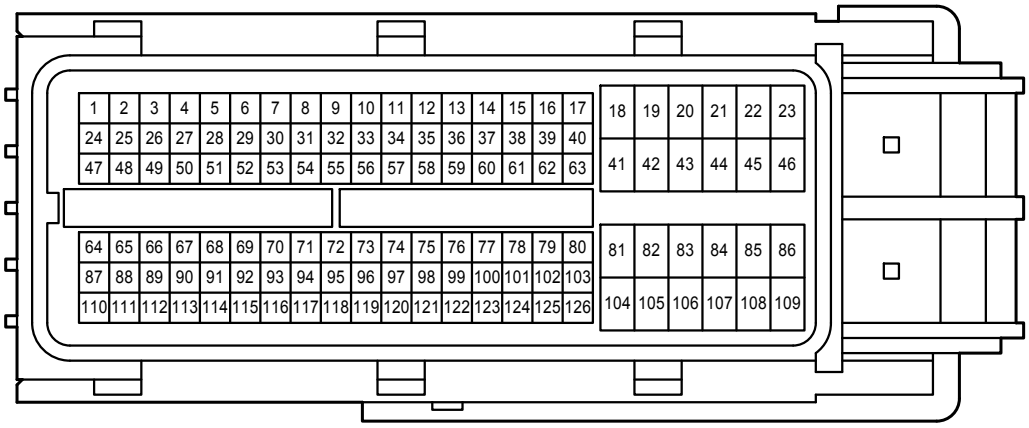


D 26
Gray

D 27
Black

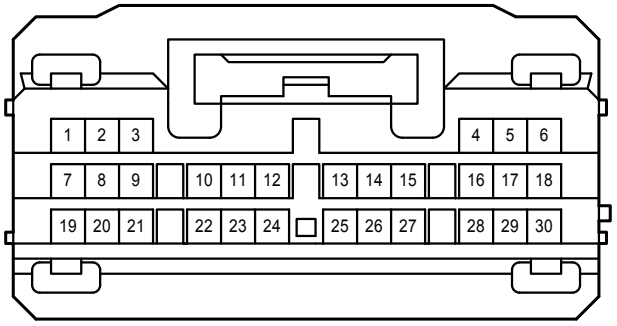


D 28
Black

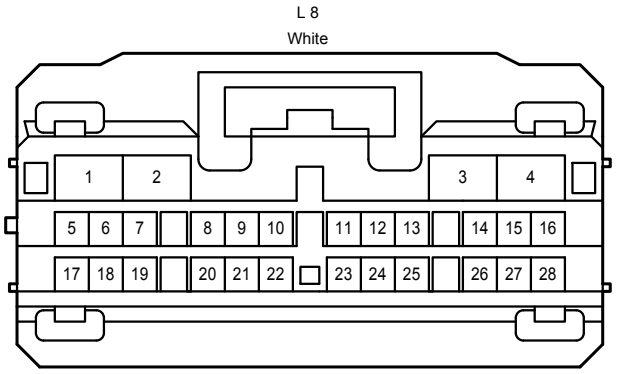


G 2
Black

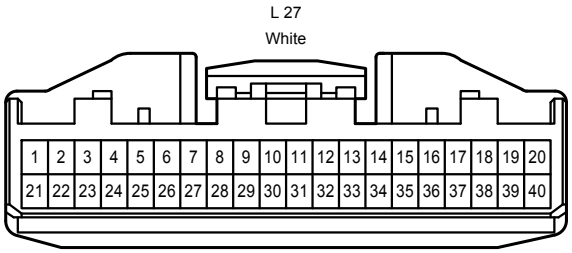
L 7
White



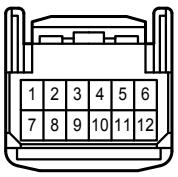
L 8
White



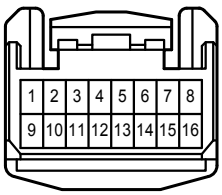
L 27
White



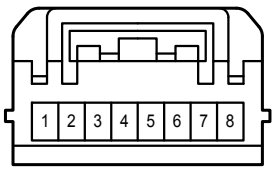
L 52
Black



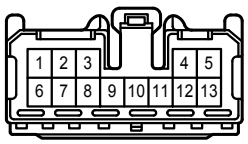
L 57
Black



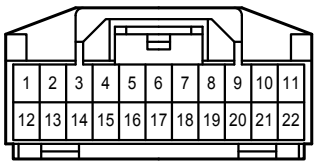
L 59
White



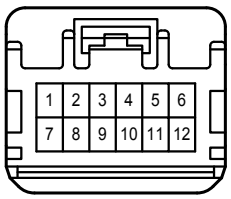
L 85
White



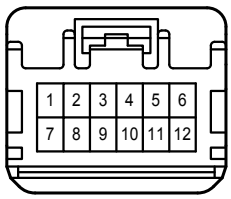
L 89
Black



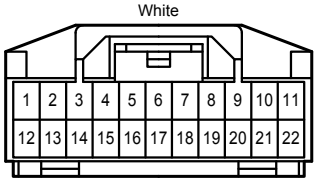
L 92
White



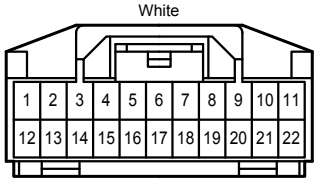
L 93
White



L 94
White



L 95
White

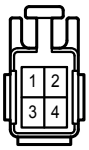


R 6
Black

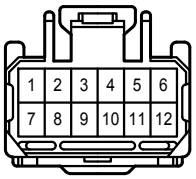
R 11
Dark Gray

R 13
Black

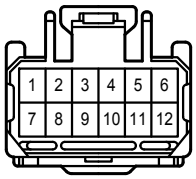
R 18
White



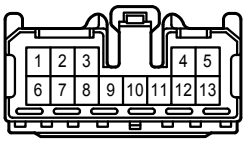
R 28
White



R 29
White



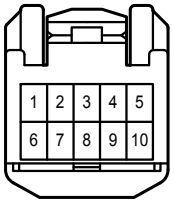
R 31
White



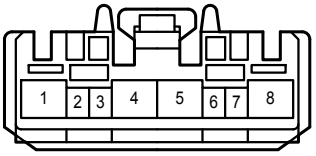
S 5
Black

S 10
Black

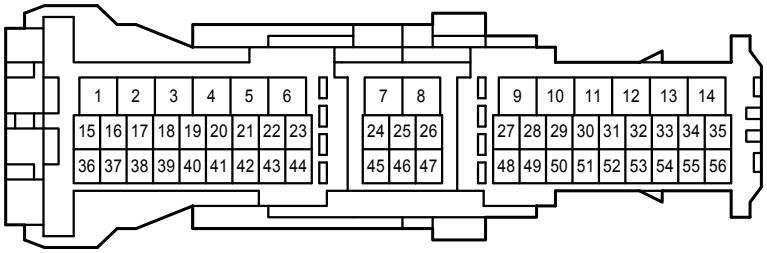
z 9
Black



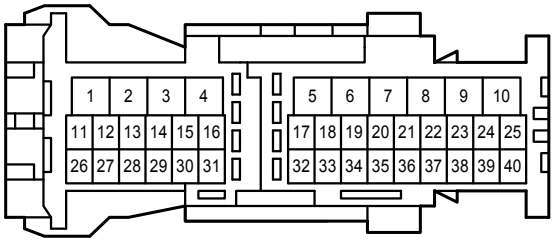
1A
White



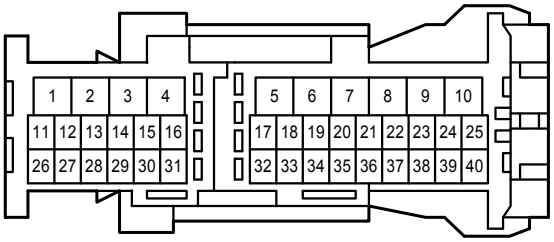
2A
White



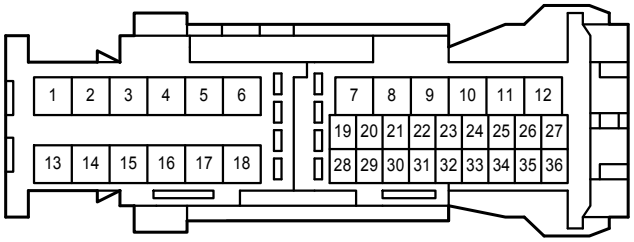
2B
White



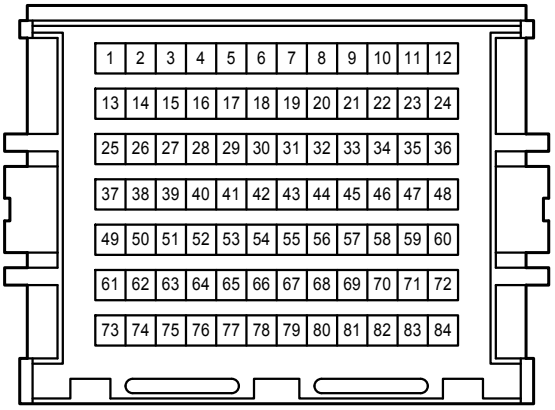
2C
White



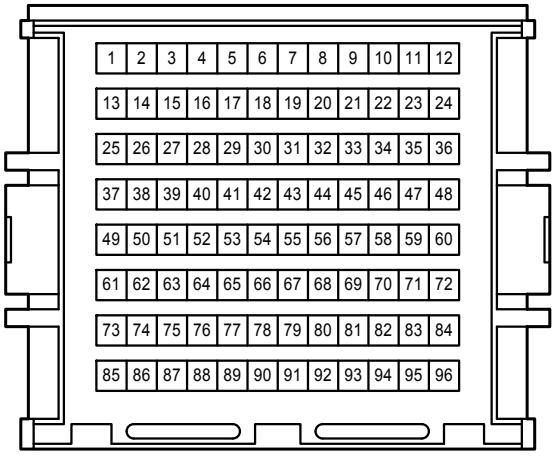
2D
White



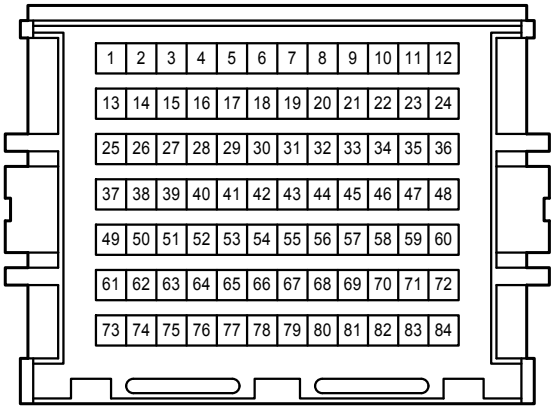
3A
White



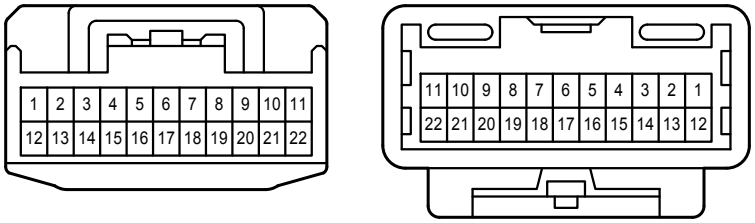
3B
White



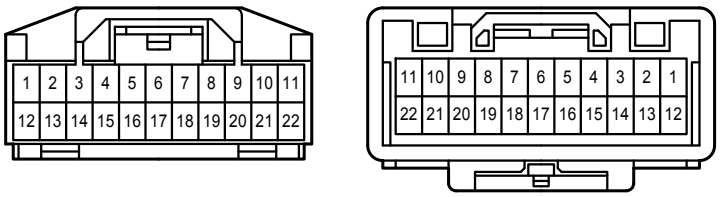
4A
White



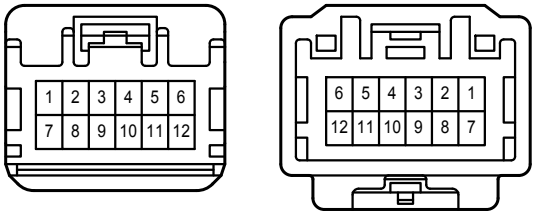
AL1
Blue



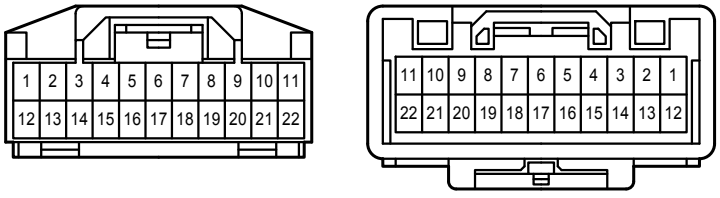
AL2
Gray

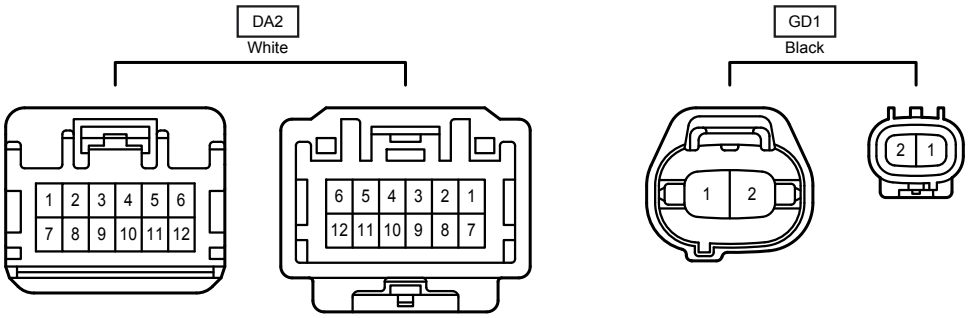


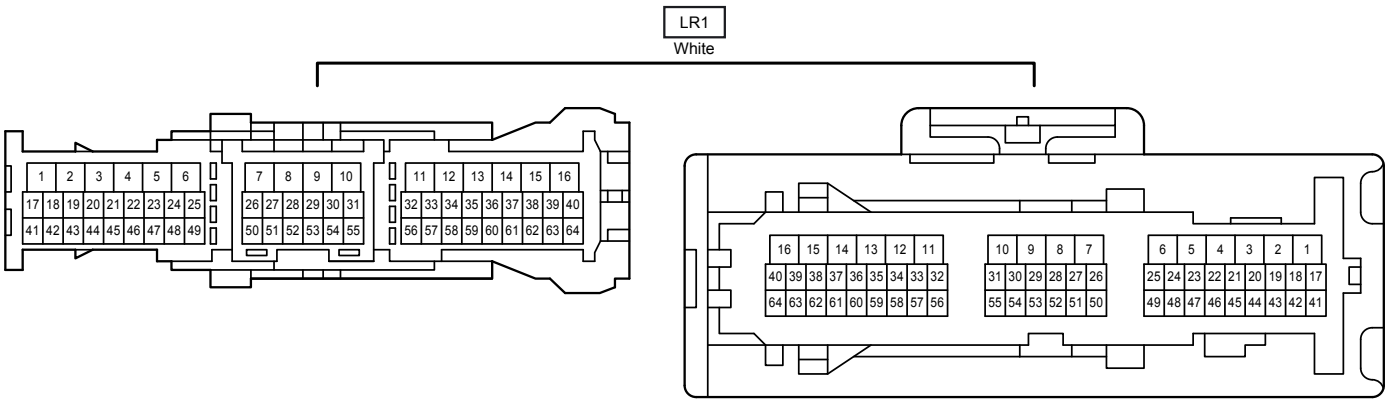
AL3
White

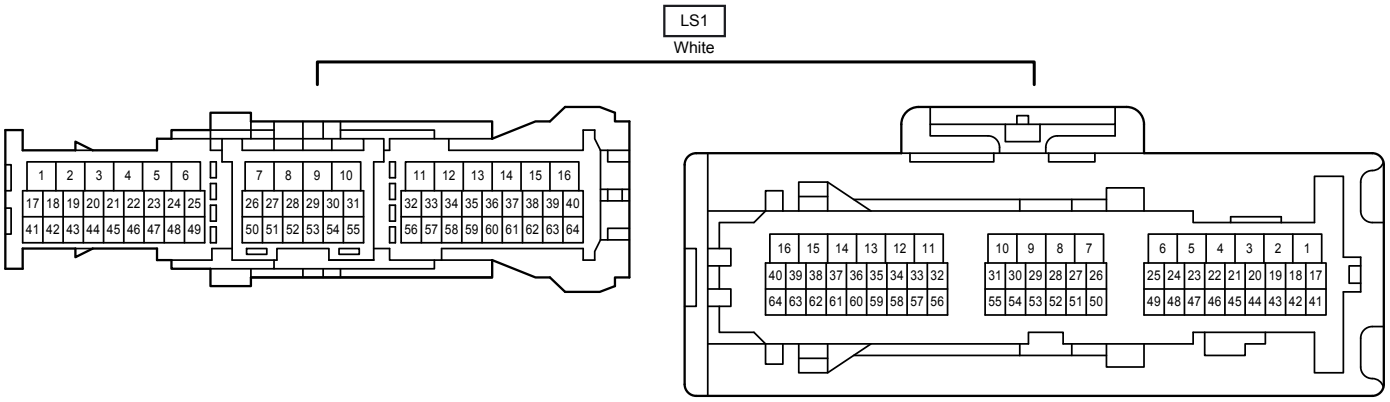


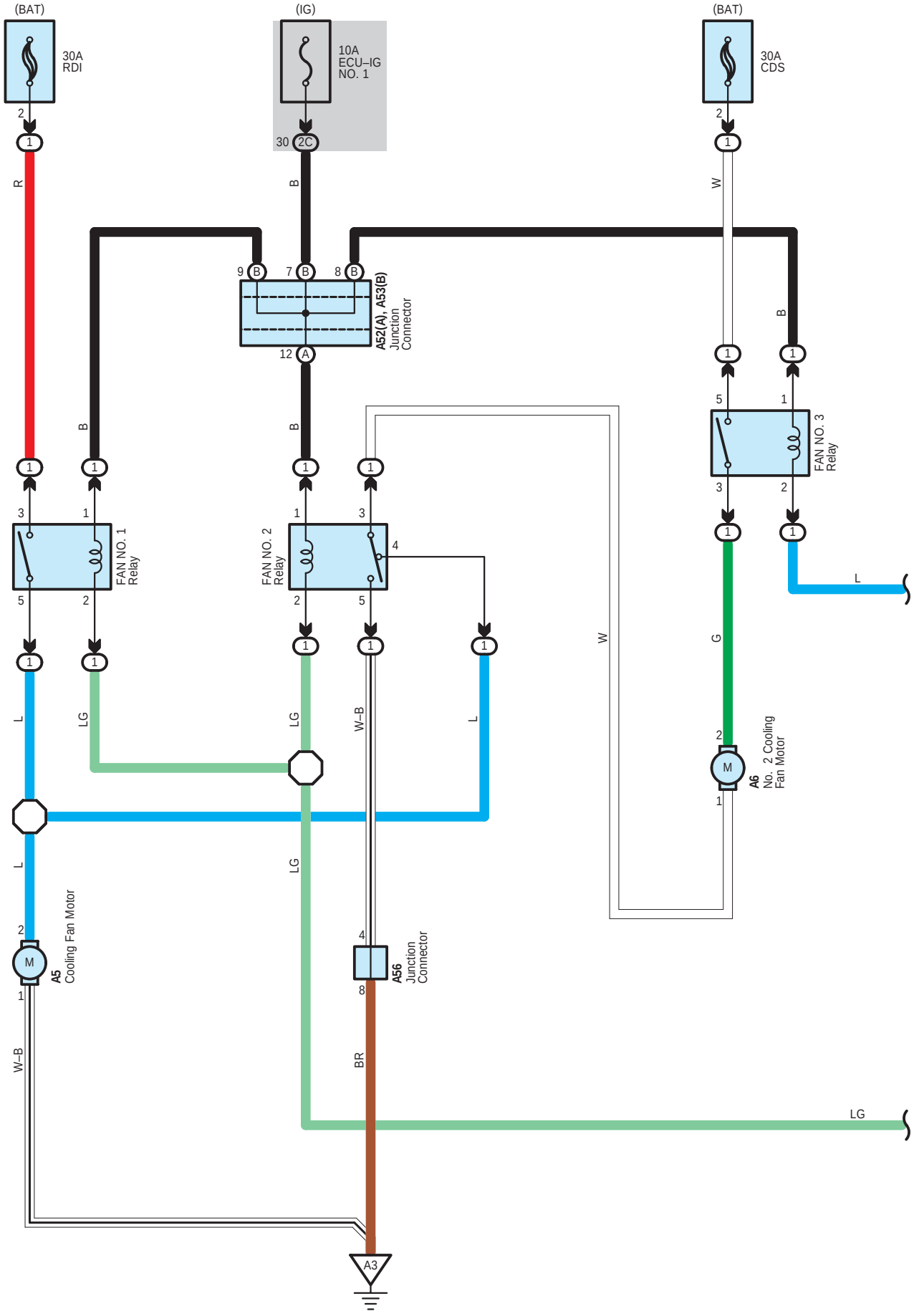
DA1
White

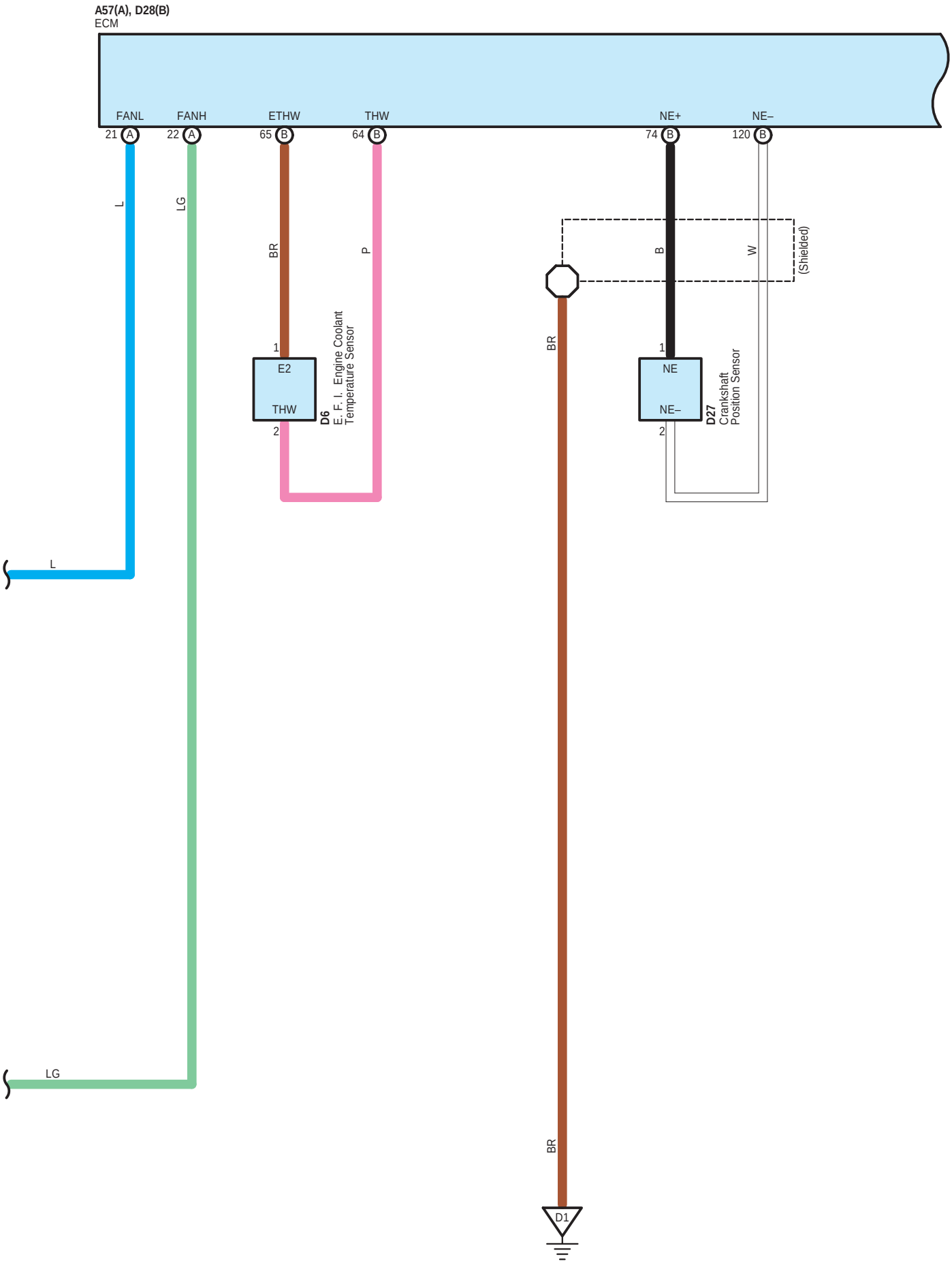


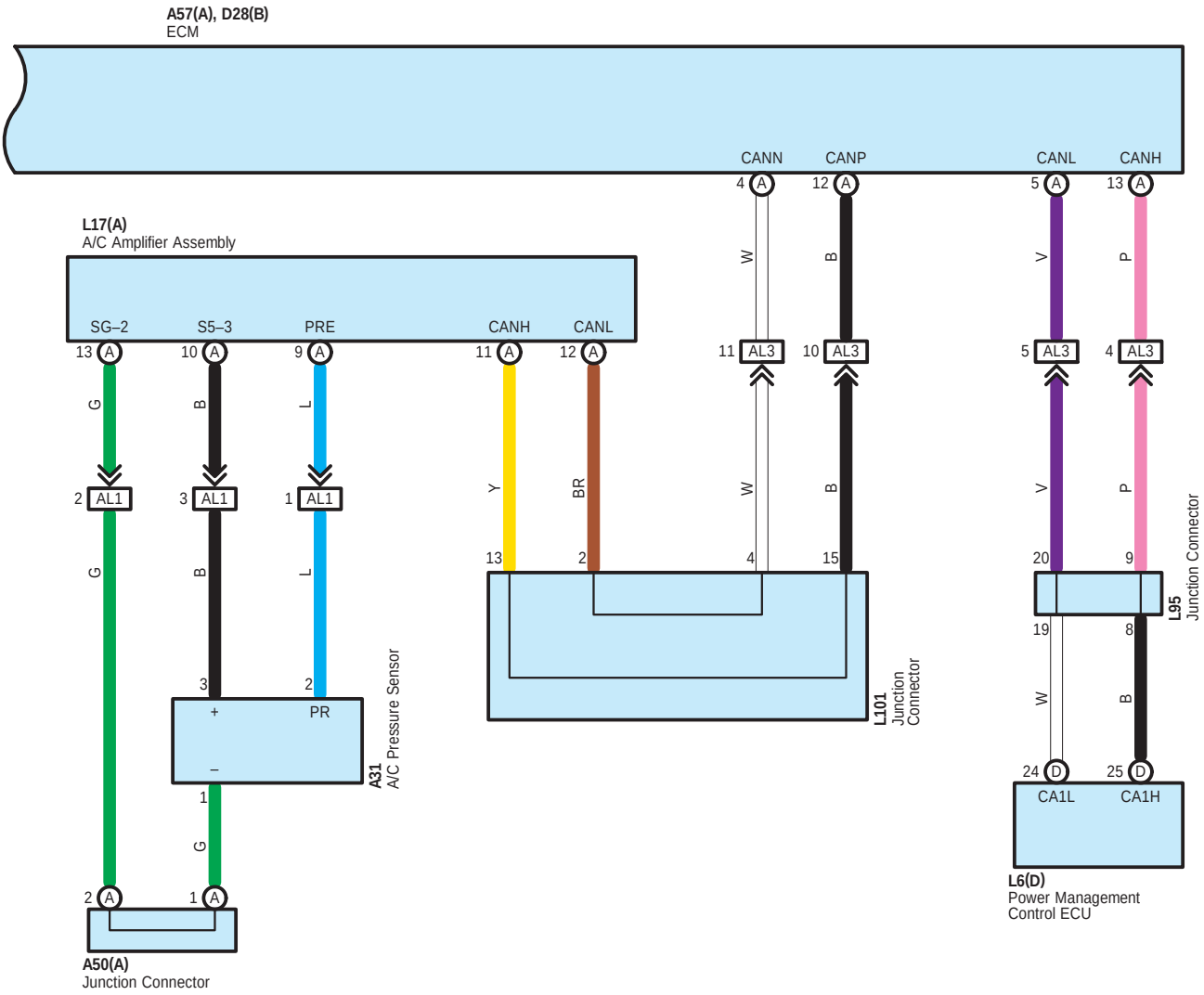

DA2
White
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7
GD1
Black
1 2
2 1


LR1
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41

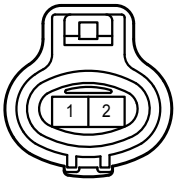

LS1
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41


(BAT)
30A
RDI
(IG)
10A
ECU–IG
NO. 1
(BAT)
30A
CDS
A52(A), A53(B)
Junction
Connector
FAN NO. 1
Relay
FAN NO. 2
Relay
FAN NO. 3
Relay
A5
Cooling Fan Motor
A6
No. 2 Cooling
Fan Motor
A56
Junction
Connector
A3
R
B
W
L
LG
W–B
G
BR

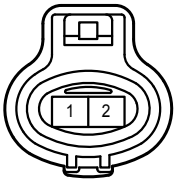

A57(A), D28(B)
ECM
FANL
FANH
ETHW
THW
NE+
NE–
21 A
22 A
65 B
64 B
74 B
120 B
L
LG
BR
P
B
W
(Shielded)
1
E2
THW
2
D6
E. F. I. Engine Coolant Temperature Sensor
1
NE
NE–
2
D27
Crankshaft Position Sensor
BR
L
LG
BR
D1


A57(A), D28(B)
ECM
CANN
CANP
CANL
CANH
L17(A)
A/C Amplifier Assembly
SG–2
S5–3
PRE
CANH
CANL
AL1
AL3
A31
A/C Pressure Sensor
PR
L101
Junction Connector
L95
Junction Connector
A50(A)
Junction Connector
L6(D)
Power Management
Control ECU
CA1L
CA1H

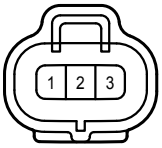
A 5
Gray



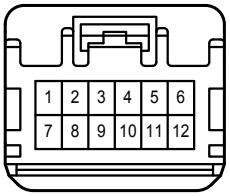
A 6
Black



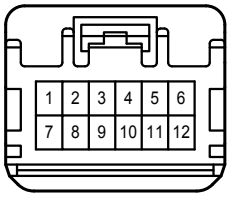
A 31
Black



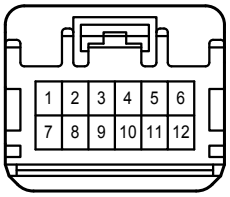
A 50
White



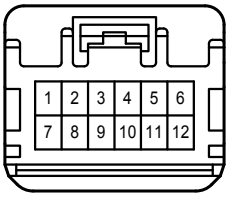
A 52
Black



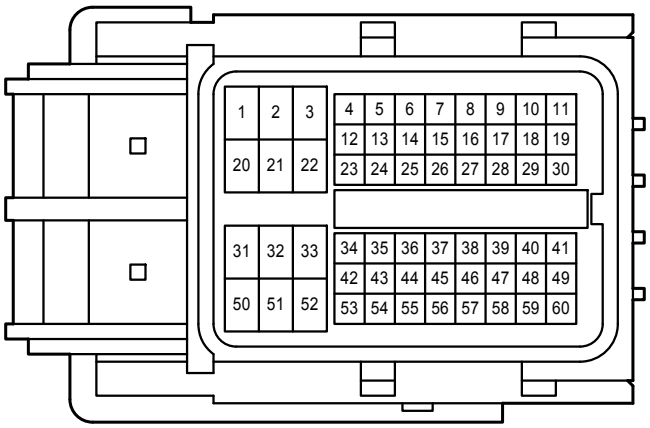
A 53
Black



A 56
White

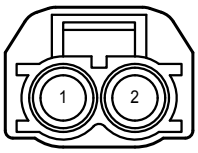


A 57
Black

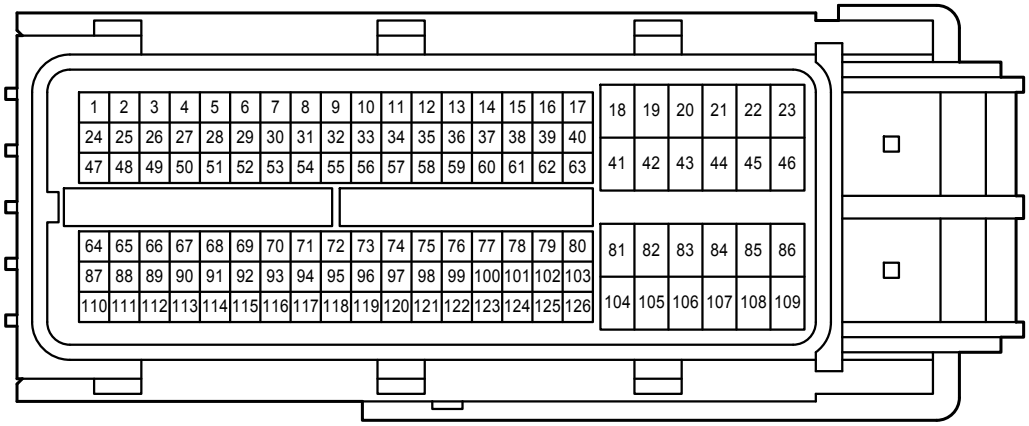


D 6
Black

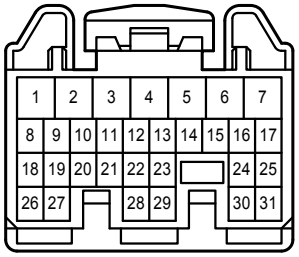
D 27
Black



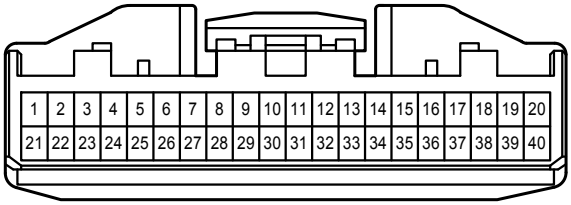
D 28
Black



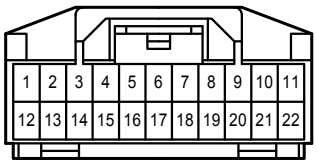
L 6
Gray



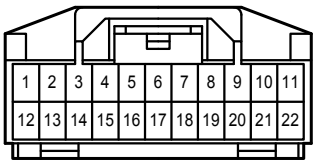
L 17
White



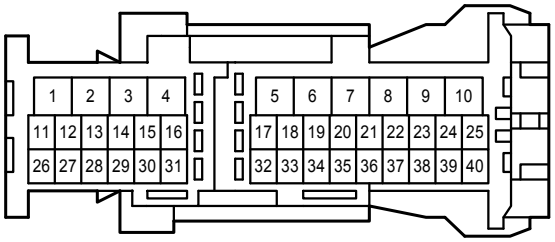
L 95
White



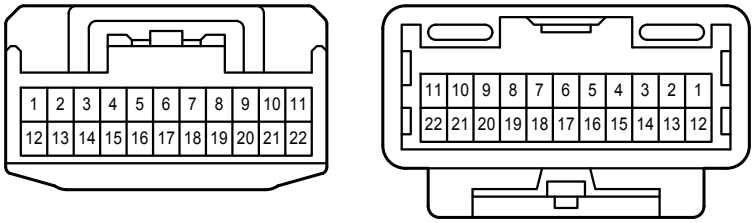
L101
Black



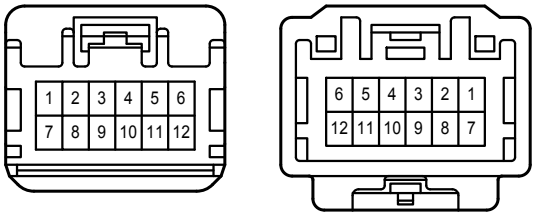
2C
White

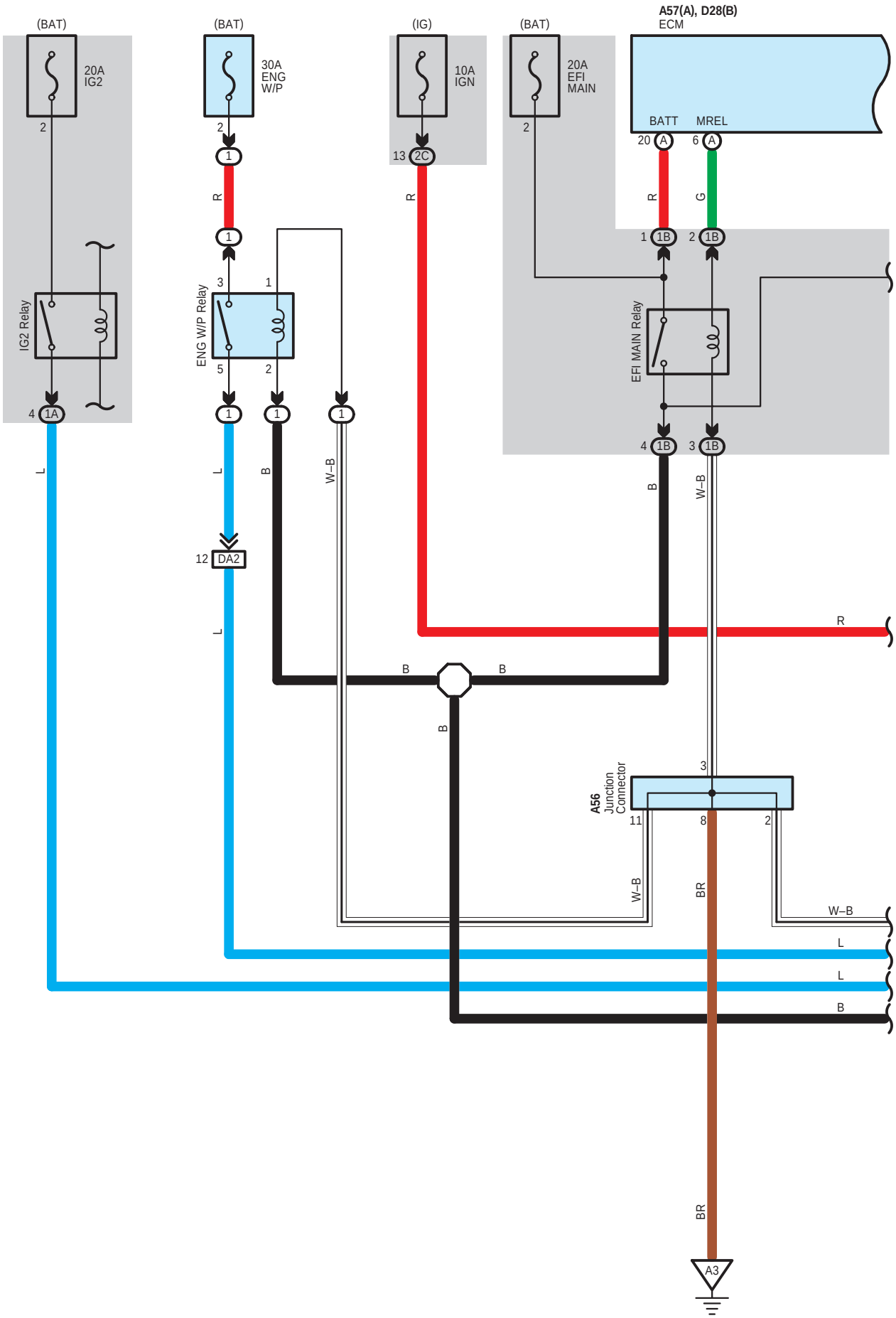


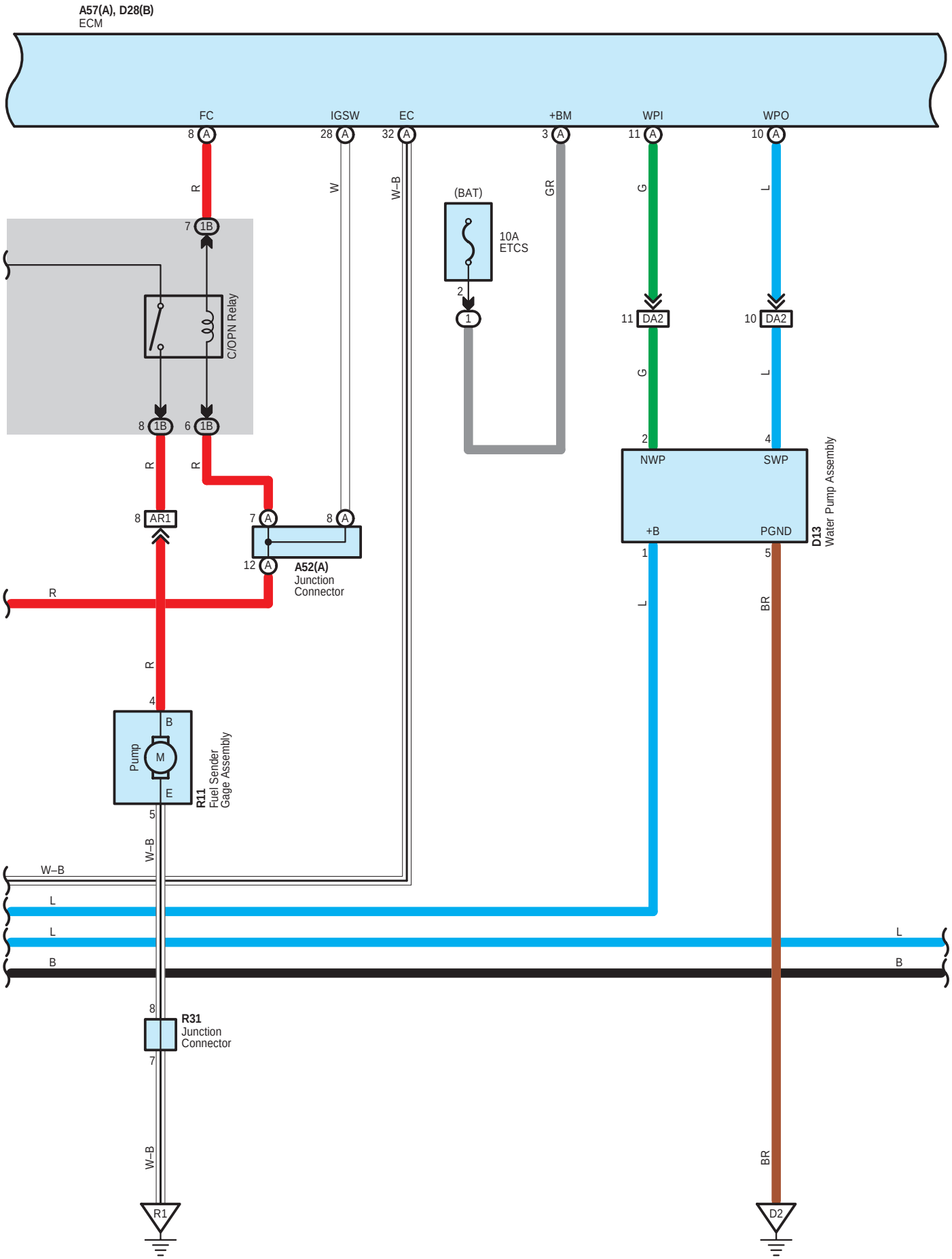
AL1
Blue

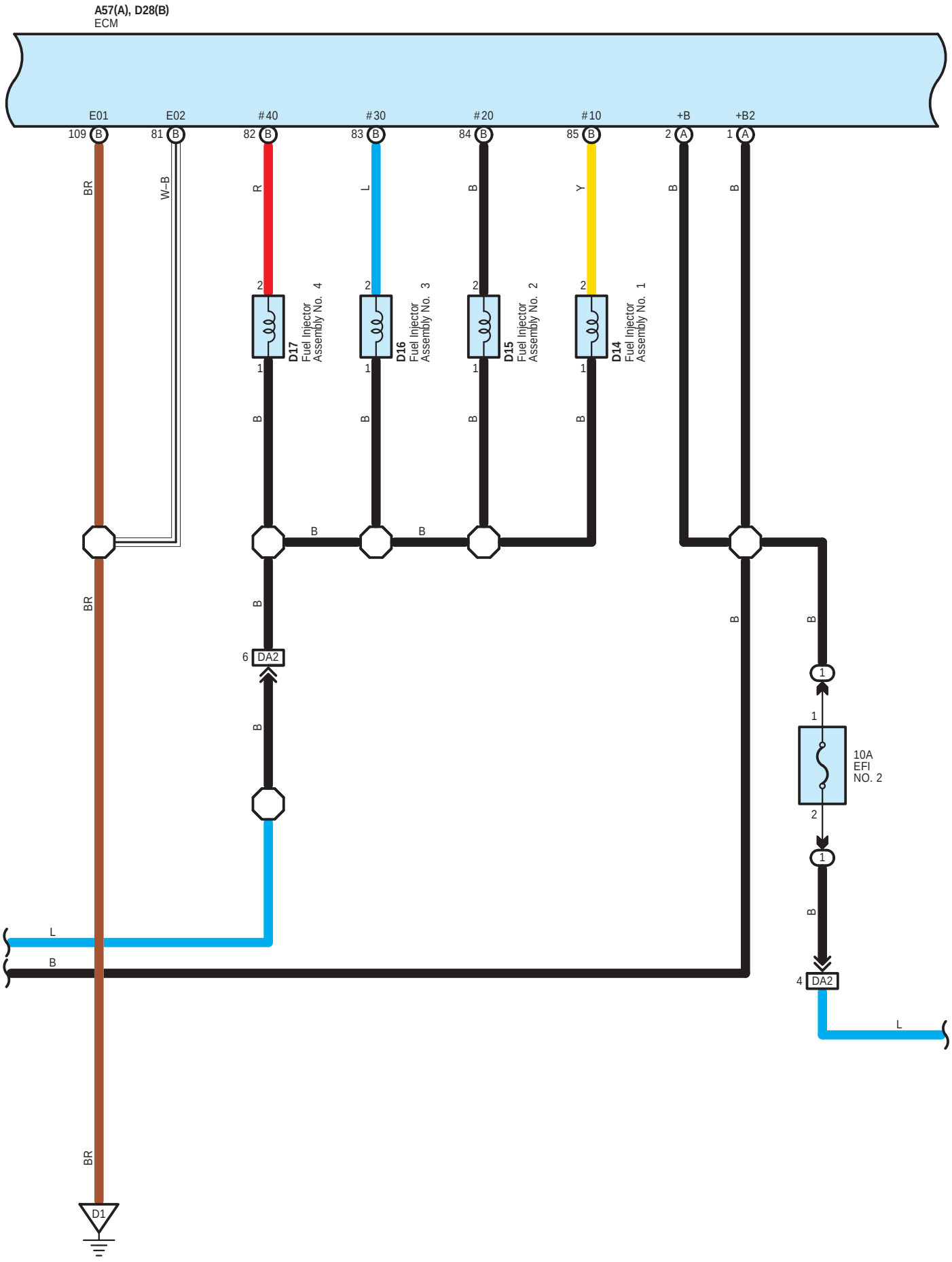


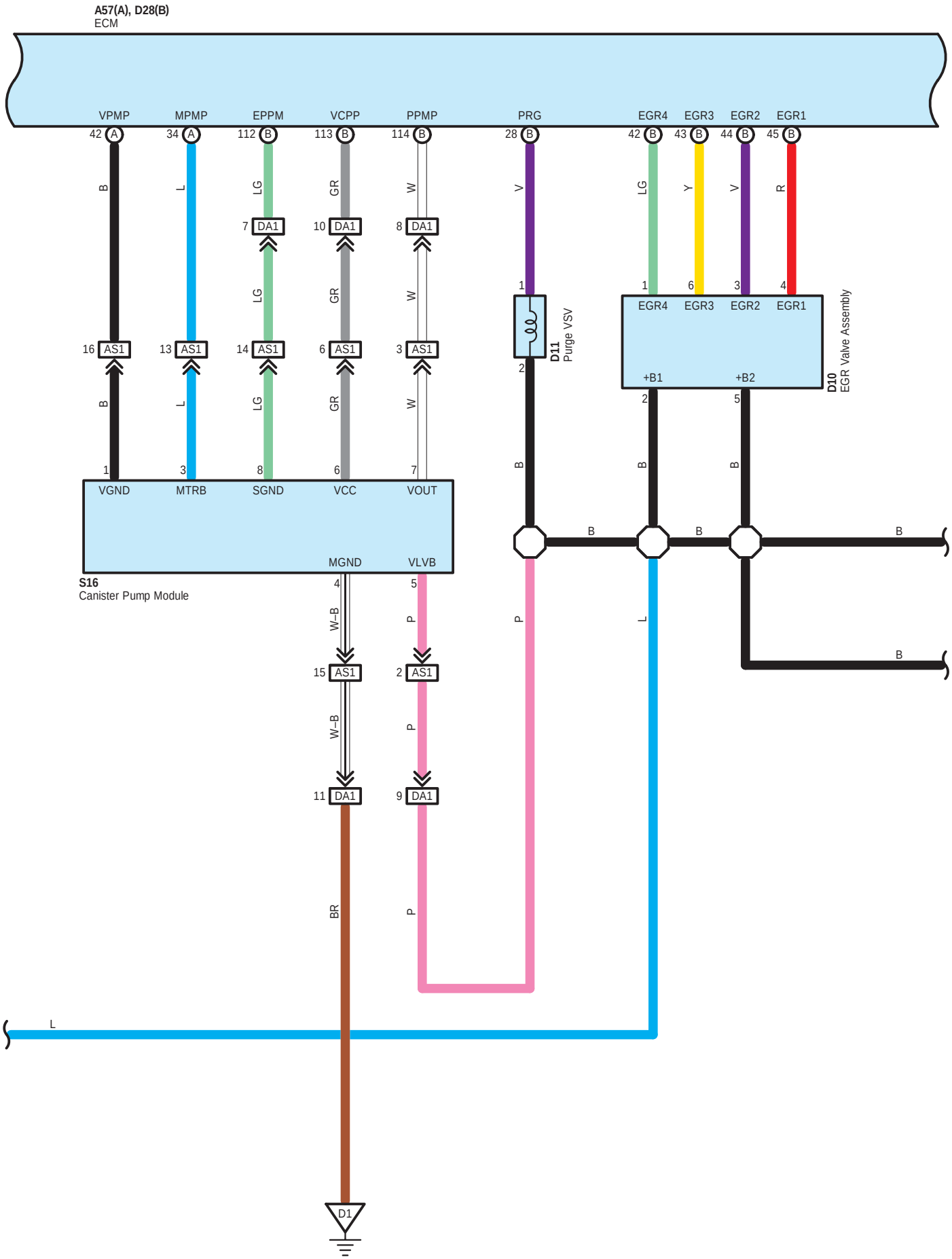
AL3
White

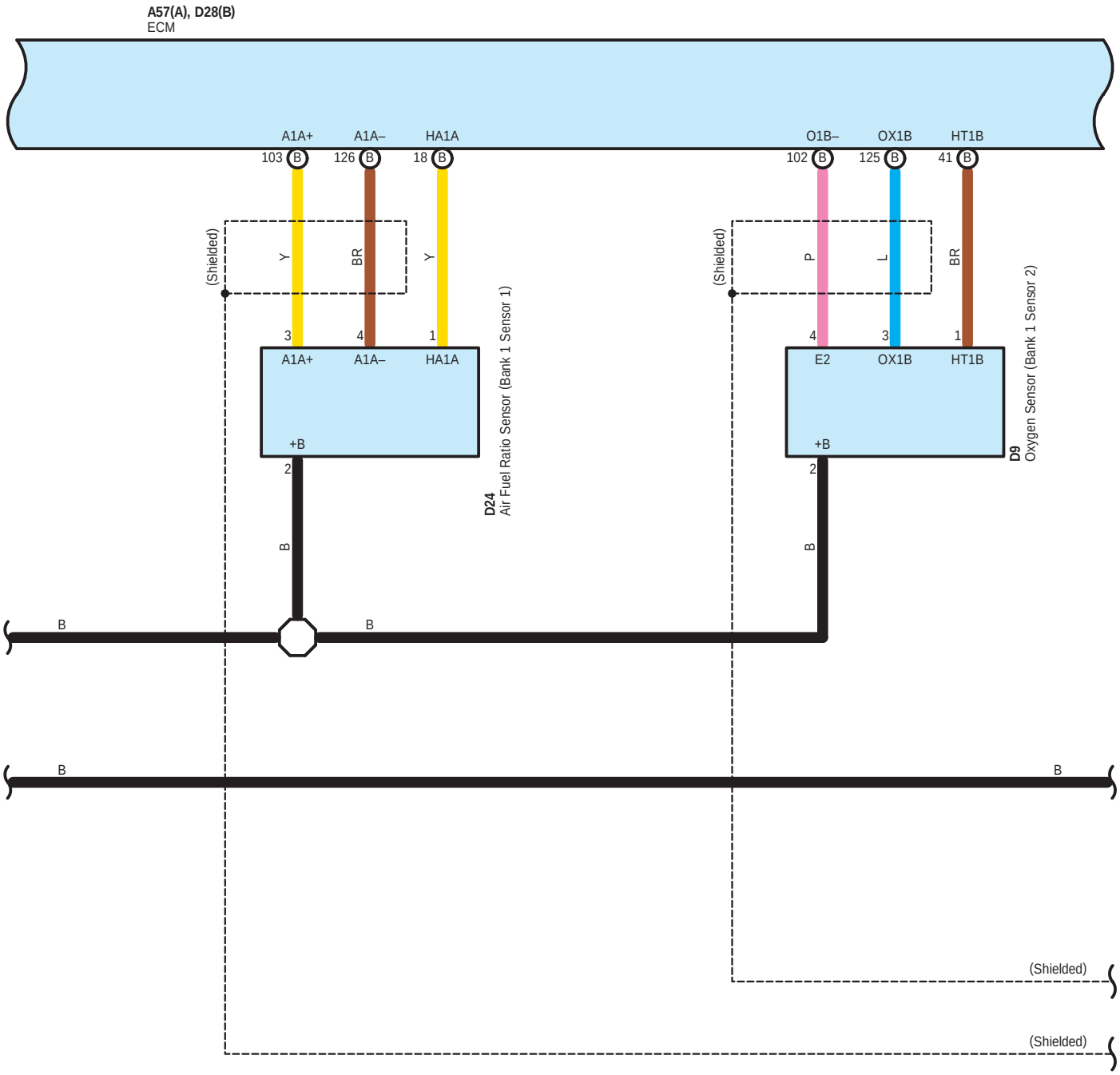


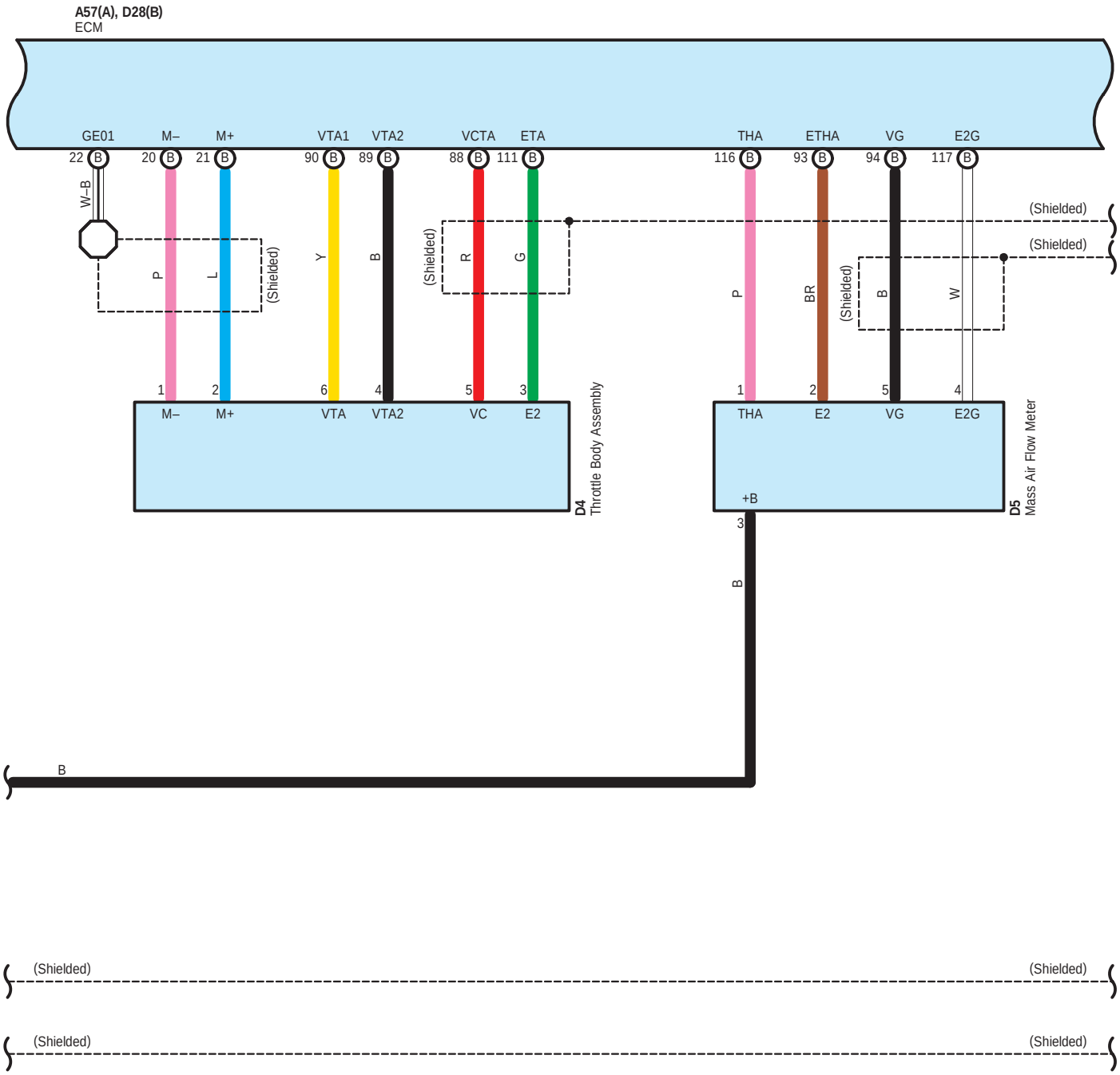

(BAT)
20A
IG2
2
IG2 Relay
4
1A
L
(BAT)
30A
ENG
W/P
2
1
R
1
3
1
ENG W/P Relay
5
2
1
1
1
L
B
W–B
12
DA2
L
(IG)
10A
IGN
13
2C
R
(BAT)
20A
EFI
MAIN
2
A57(A), D28(B)
ECM
BATT
MREL
20
A
6
A
R
G
1
1B
2
1B
EFI MAIN Relay
4
1B
3
1B
B
W–B
R
B
B
B
A56
Junction
Connector
3
11
8
2
W–B
BR
W–B
L
L
B
BR
A3

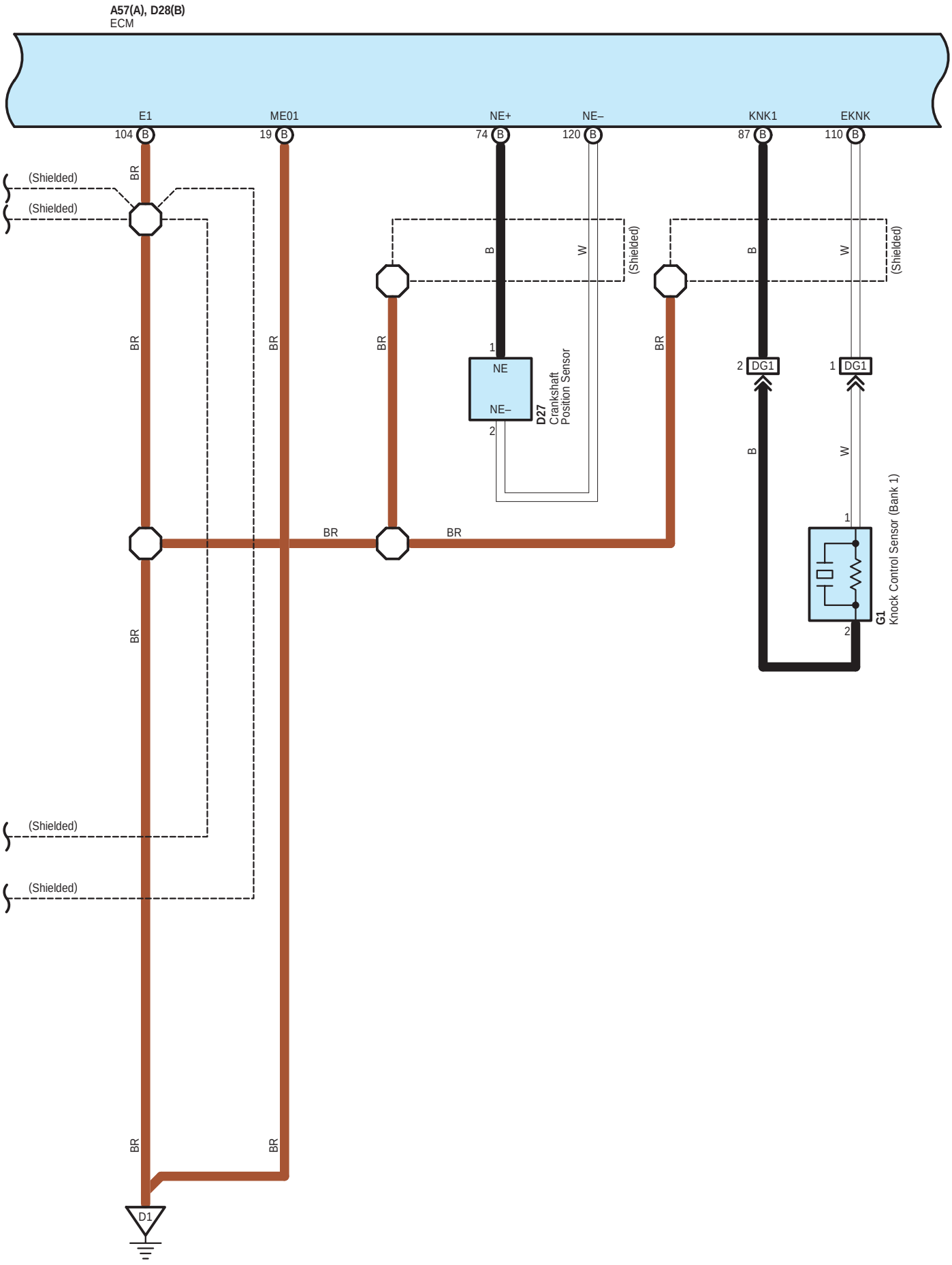

A57(A), D28(B)
ECM
FC
IGSW
EC
+BM
WPI
WPO
8 A
28 A
32 A
3 A
11 A
10 A
R
W
W–B
GR
G
L
(BAT)
10A
ETCS
2
1
7 1B
C/OPN Relay
8 1B
6 1B
11 DA2
10 DA2
2
4
NWP
SWP
+B
PGND
D13
Water Pump Assembly
1
5
8 AR1
7 A
8 A
12 A
A52(A)
Junction
Connector
R
4
B
Pump
M
E
R11
Fuel Sender
Gage Assembly
5
W–B
L
B
8
R31
Junction
Connector
7
R1
D2
BR

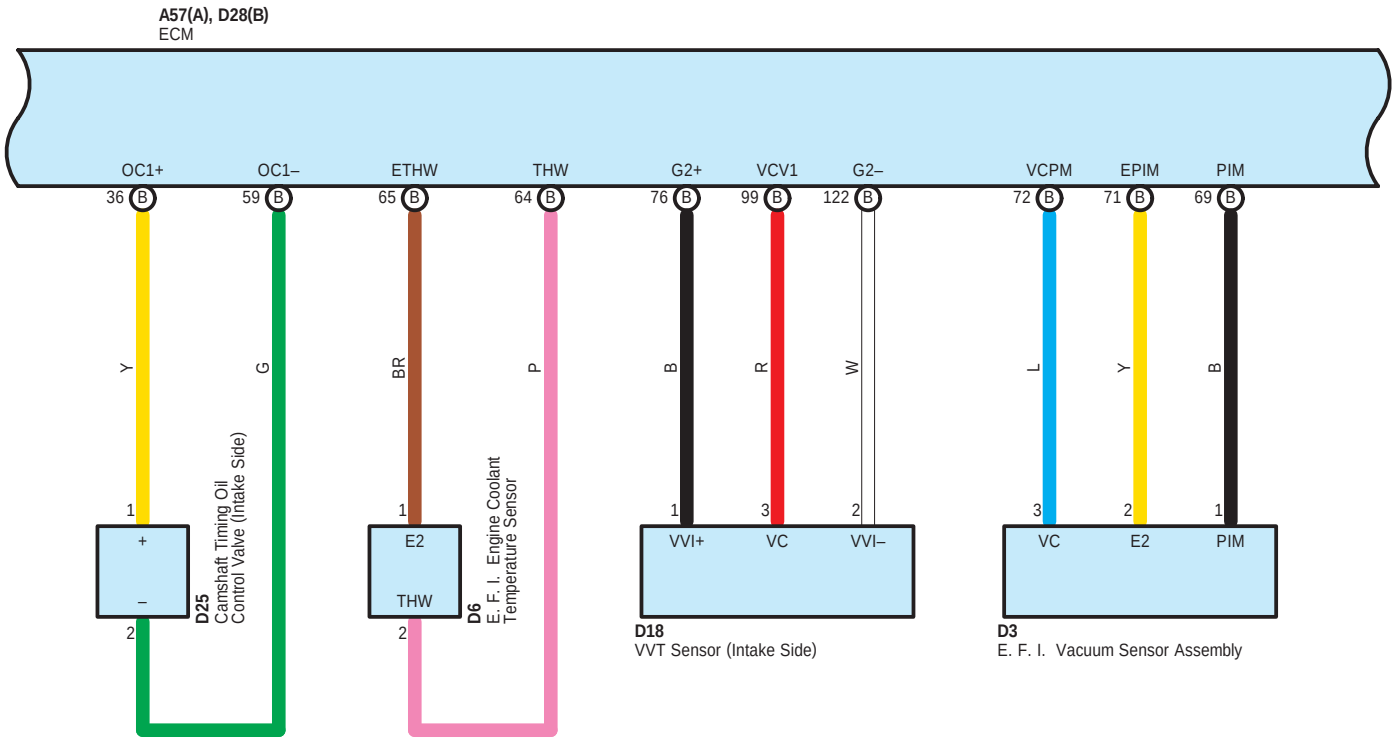

A57(A), D28(B)
ECM
E01
E02
#40
#30
#20
#10
+B
+B2
109 B
81 B
82 B
83 B
84 B
85 B
2 A
1 A
BR
W–B
R
L
B
Y
2
1
D17 Fuel Injector Assembly No. 4
D16 Fuel Injector Assembly No. 3
D15 Fuel Injector Assembly No. 2
D14 Fuel Injector Assembly No. 1
6 DA2
1
10A EFI NO. 2
4 DA2
L
D1

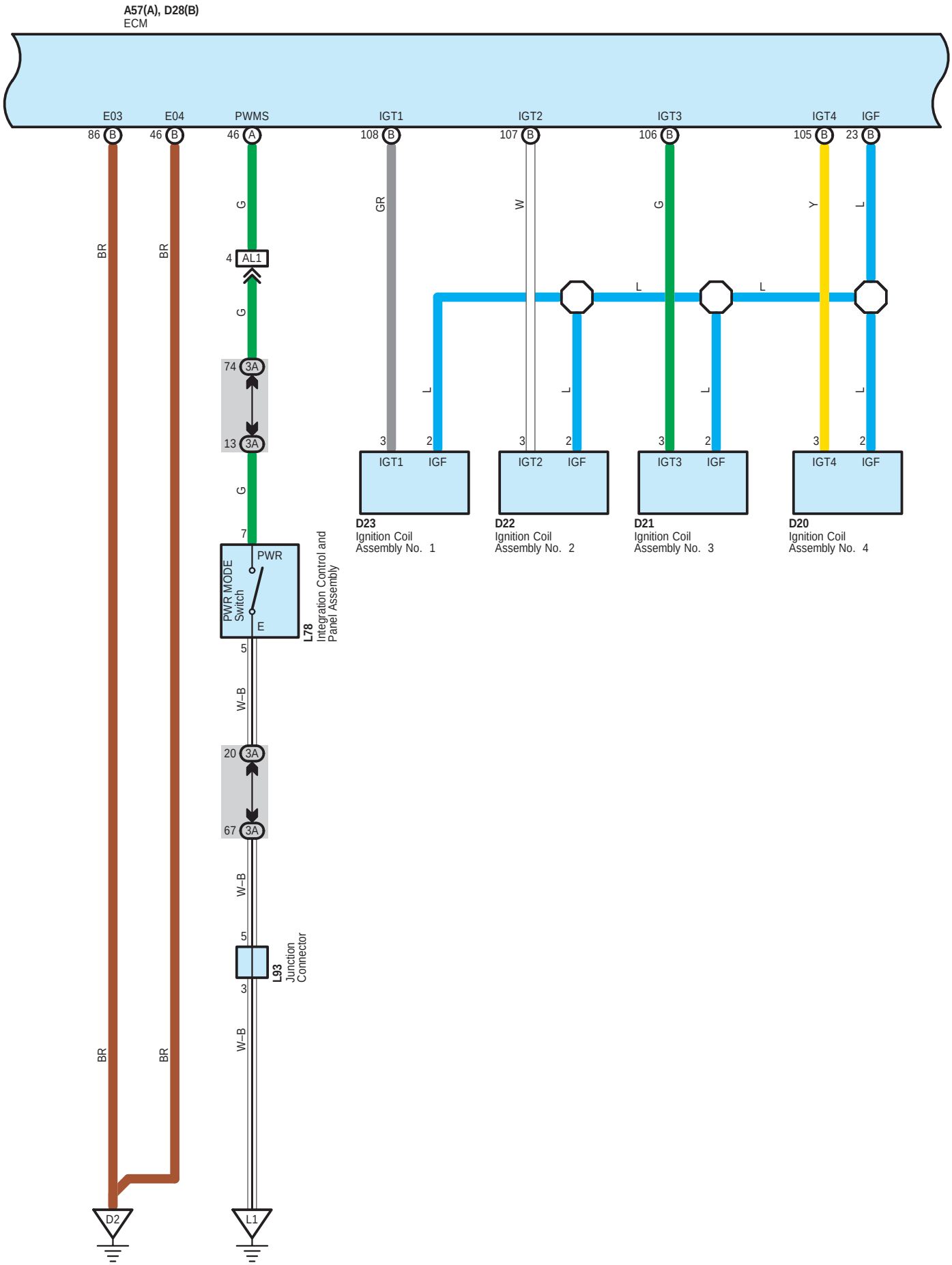

A57(A), D28(B)
ECM
VPMP
MPMP
EPPM
VCPP
PPMP
PRG
EGR4
EGR3
EGR2
EGR1
42 A
34 A
112 B
113 B
114 B
28 B
42 B
43 B
44 B
45 B
B
L
LG
GR
W
V
LG
Y
V
R
7 DA1
10 DA1
8 DA1
1
1
6
3
4
LG
GR
W
EGR4
EGR3
EGR2
EGR1
D11
Purge VSV
D10
EGR Valve Assembly
16 AS1
13 AS1
14 AS1
6 AS1
3 AS1
2
+B1
+B2
2
5
B
L
LG
GR
W
1
3
8
6
7
B
B
B
B
VGND
MTRB
SGND
VCC
VOUT
MGND
VLVB
S16
Canister Pump Module
4
5
P
L
W–B
P
15 AS1
2 AS1
B
W–B
P
11 DA1
9 DA1
BR
P
L
D1

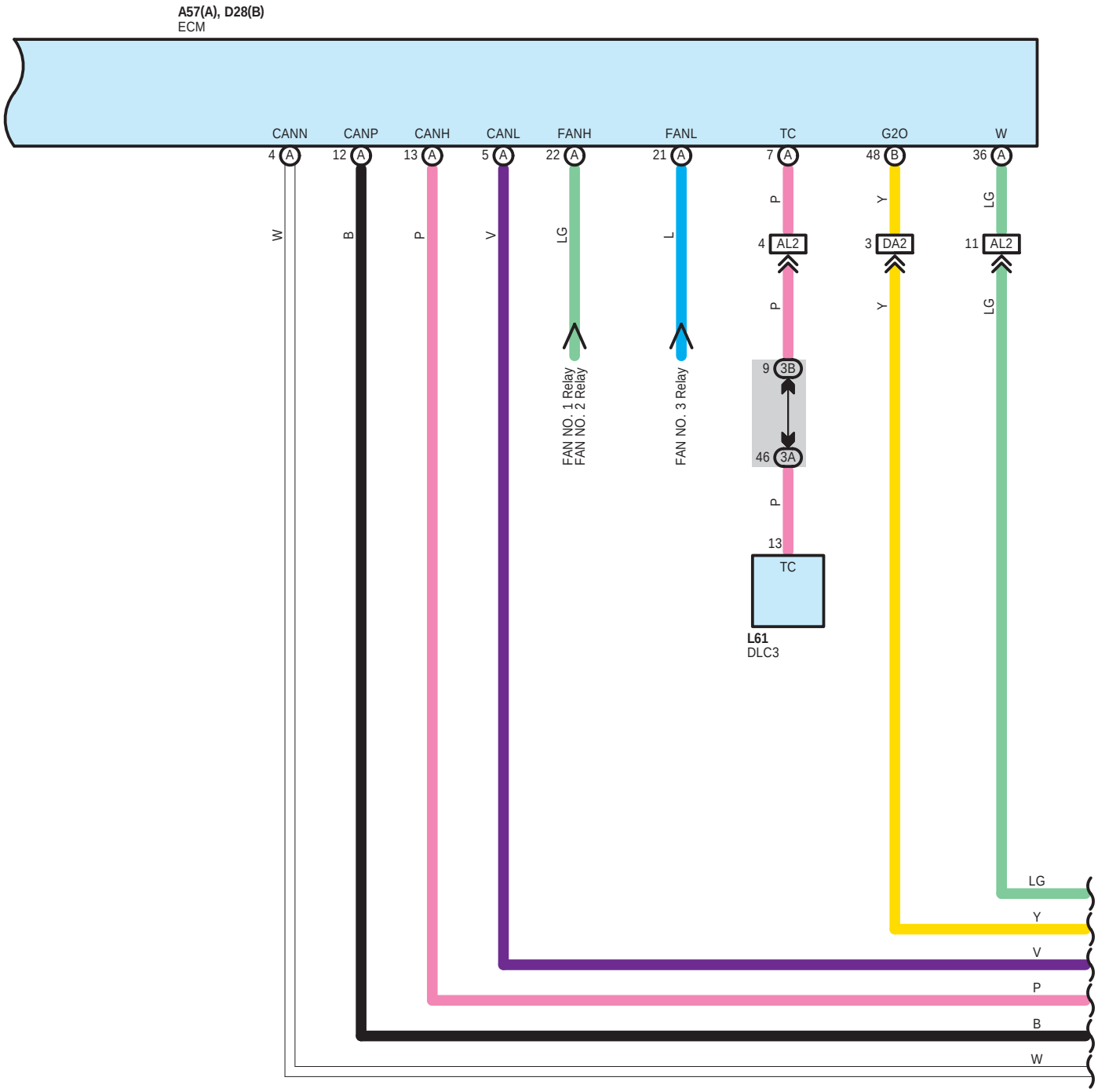

A57(A), D28(B)
ECM
A1A+
A1A–
HA1A
O1B–
OX1B
HT1B
103 B
126 B
18 B
102 B
125 B
41 B
(Shielded)
Y
BR
Y
P
L
BR
3
4
1
4
3
1
A1A+
A1A–
HA1A
E2
OX1B
HT1B
+B
2
B
D24
Air Fuel Ratio Sensor (Bank 1 Sensor 1)
D9
Oxygen Sensor (Bank 1 Sensor 2)
B
B
B
B
(Shielded)
(Shielded)

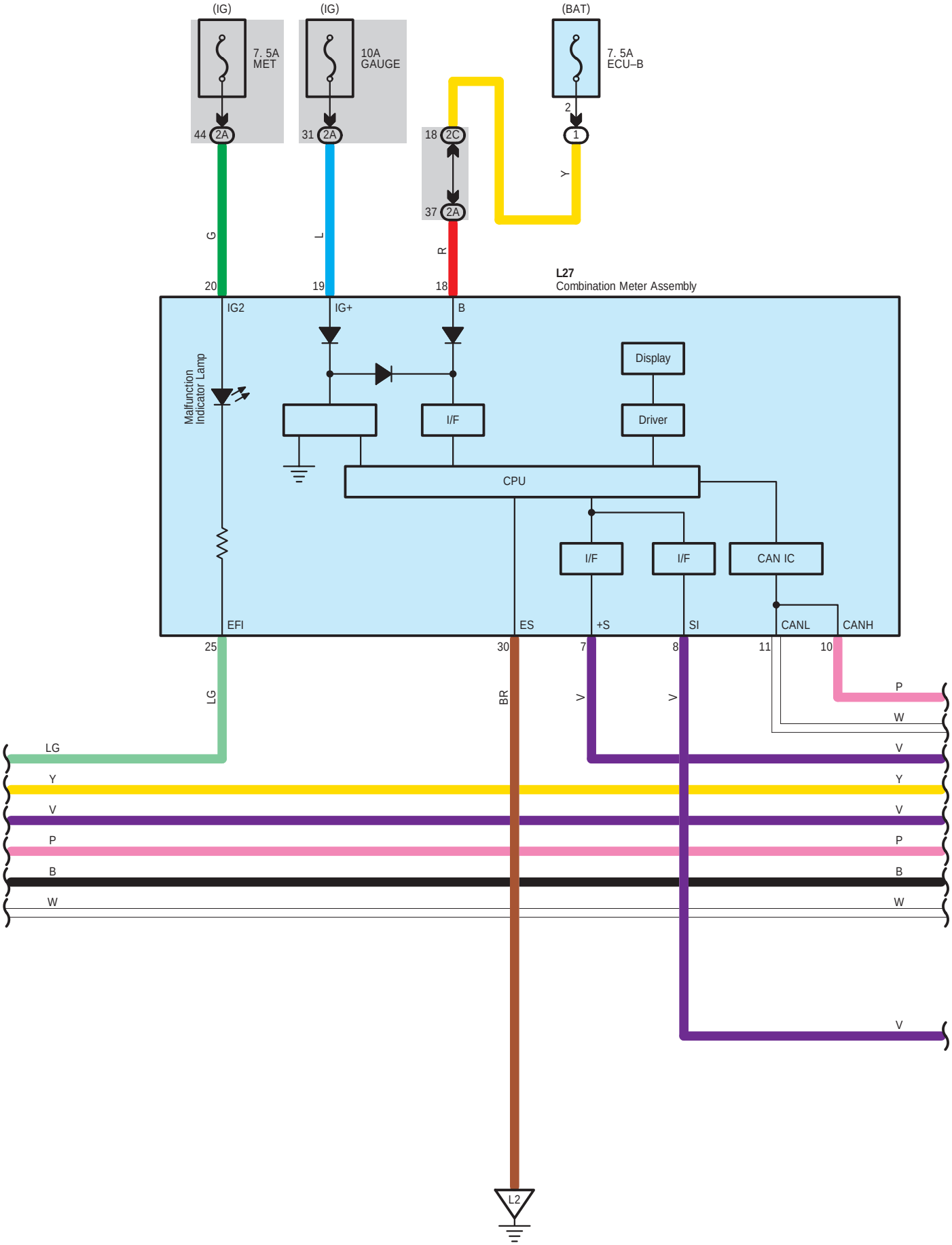

A57(A), D28(B)
ECM
GE01
M–
M+
VTA1
VTA2
VCTA
ETA
THA
ETHA
VG
E2G
22 B
20 B
21 B
90 B
89 B
88 B
111 B
116 B
93 B
94 B
117 B
W–B
P
L
Y
B
R
G
BR
W
(Shielded)
1
2
6
4
5
3
M–
M+
VTA
VTA2
VC
E2
D4
Throttle Body Assembly
THA
E2
VG
E2G
+B
D5
Mass Air Flow Meter
B

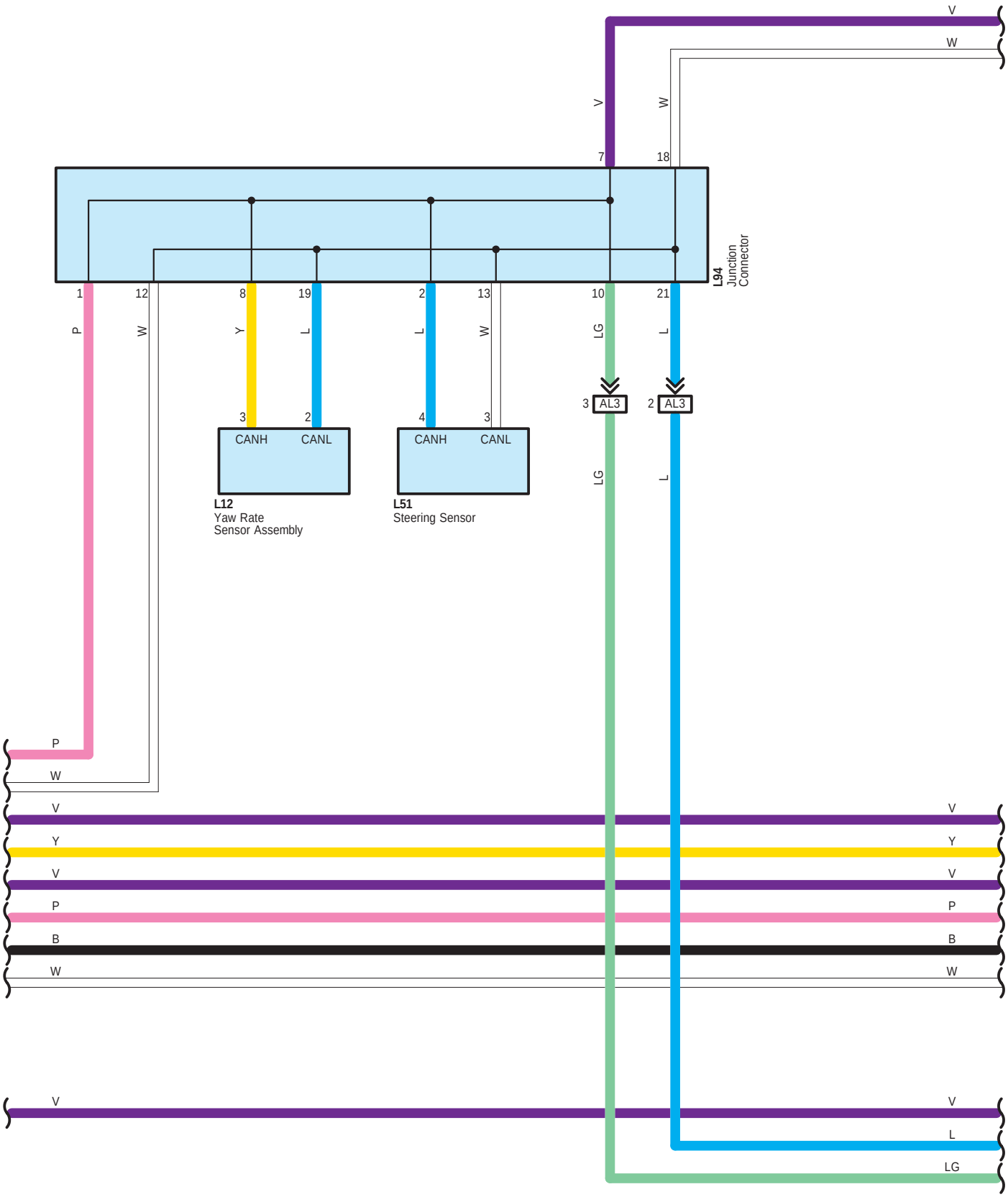

A57(A), D28(B)
ECM
E1
104 B
ME01
19 B
NE+
74 B
NE–
120 B
KNK1
87 B
EKNK
110 B
(Shielded)
(Shielded)
BR
B
W
(Shielded)
1
NE
NE–
2
D27
Crankshaft
Position Sensor
2 DG1
1 DG1
G1
Knock Control Sensor (Bank 1)
D1

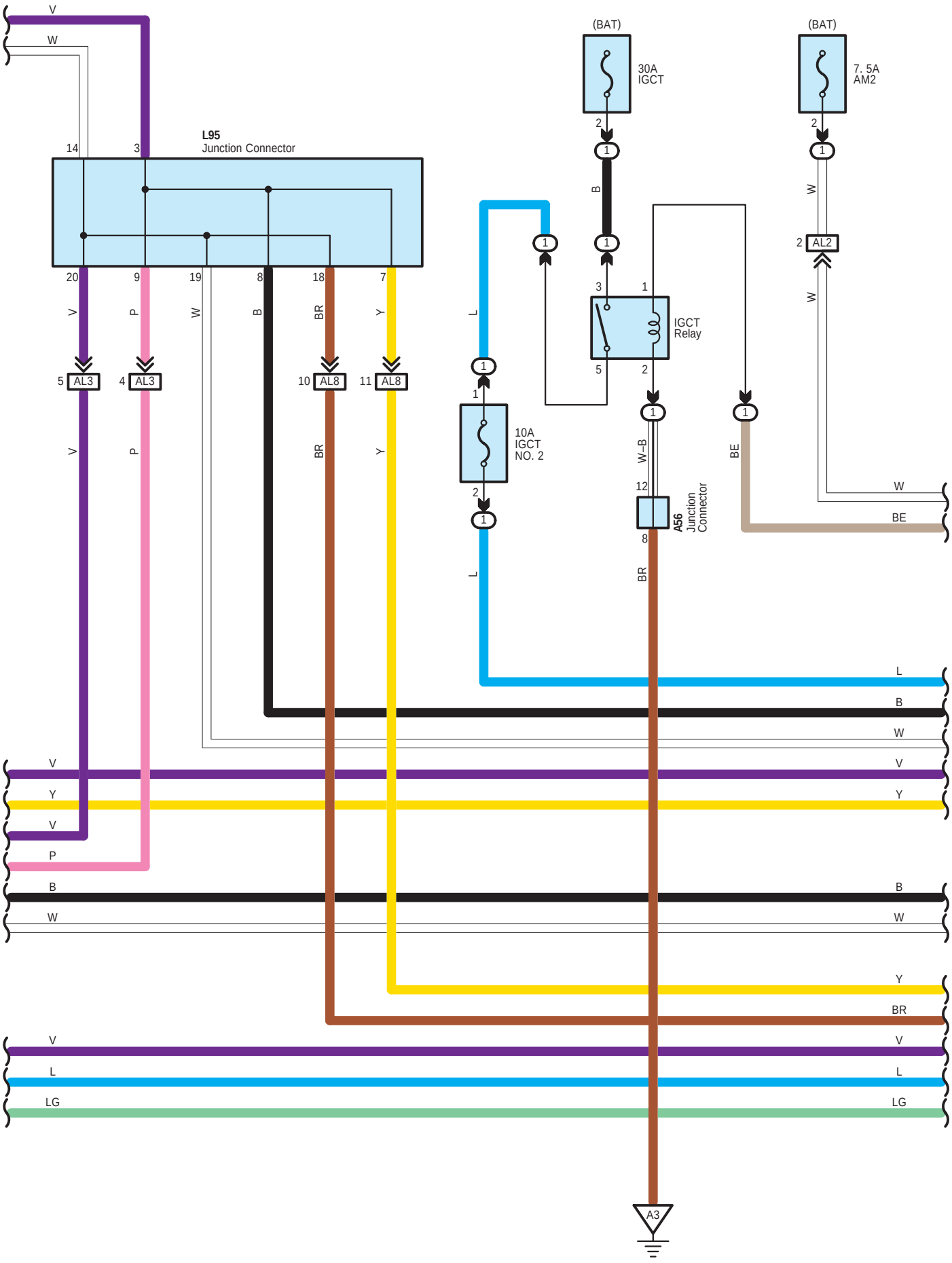

A57(A), D28(B)
ECM
OC1+
OC1–
ETHW
THW
G2+
VCV1
G2–
VCPM
EPIM
PIM
36 B
59 B
65 B
64 B
76 B
99 B
122 B
72 B
71 B
69 B
Y
G
BR
P
B
R
W
L
Y
B
1
2
+
–
D25
Camshaft Timing Oil Control Valve (Intake Side)
E2
THW
D6
E. F. I. Engine Coolant Temperature Sensor
VVI+
VC
VVI–
D18
VVT Sensor (Intake Side)
VC
E2
PIM
D3
E. F. I. Vacuum Sensor Assembly

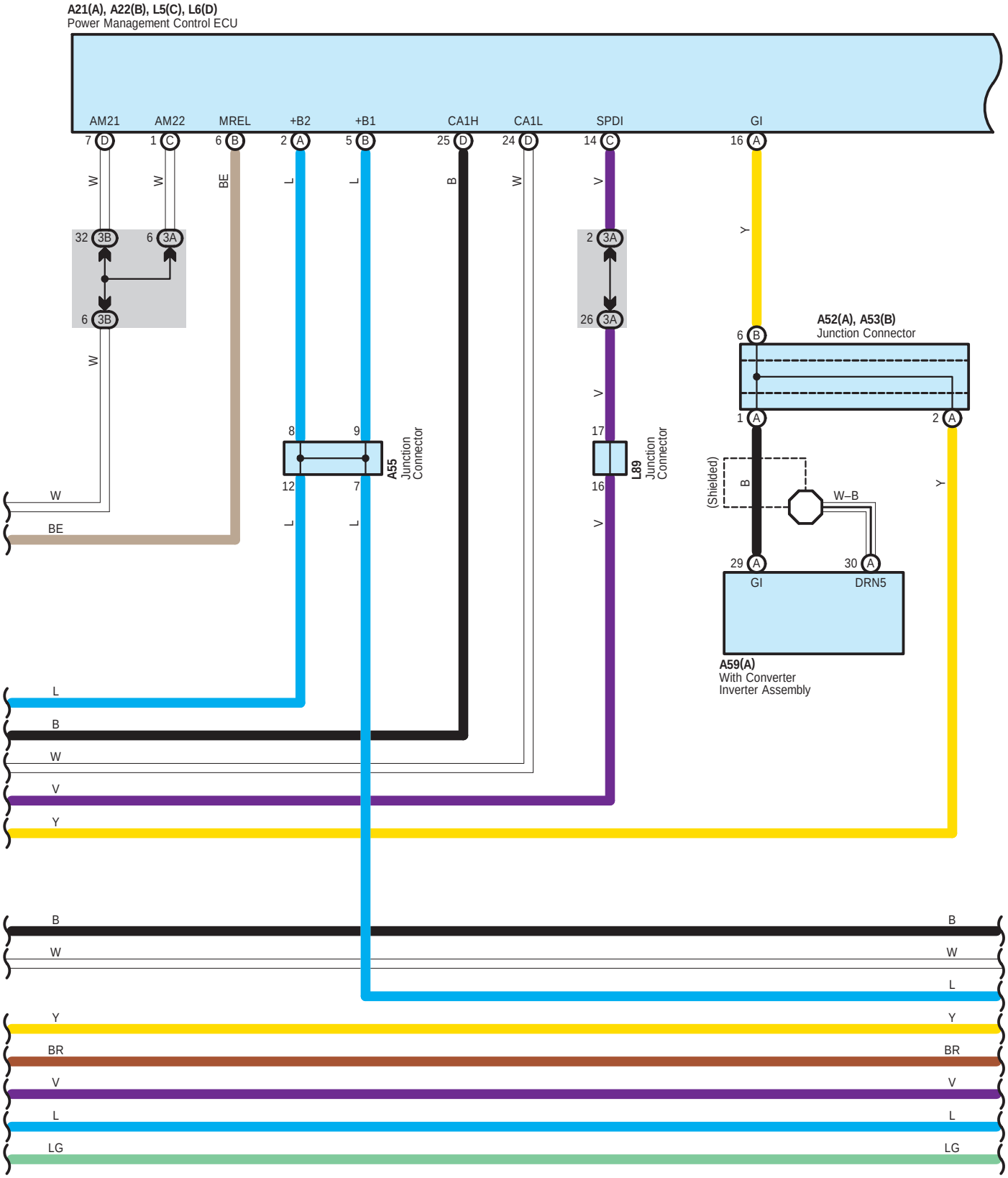

A57(A), D28(B)
ECM
E03
E04
PWMS
IGT1
IGT2
IGT3
IGT4
IGF
86 B
46 B
46 A
108 B
107 B
106 B
105 B
23 B
BR
BR
G
4 AL1
G
74 3A
13 3A
G
7
PWR
PWR MODE Switch
E
L78 Integration Control and Panel Assembly
5
W–B
20 3A
67 3A
W–B
5
L93 Junction Connector
3
W–B
BR
BR
D2
L1
GR
W
G
Y
L
L
L
L
L
L
L
L
3
2
IGT1
IGF
D23 Ignition Coil Assembly No. 1
IGT2
IGF
D22 Ignition Coil Assembly No. 2
IGT3
IGF
D21 Ignition Coil Assembly No. 3
IGT4
IGF
D20 Ignition Coil Assembly No. 4

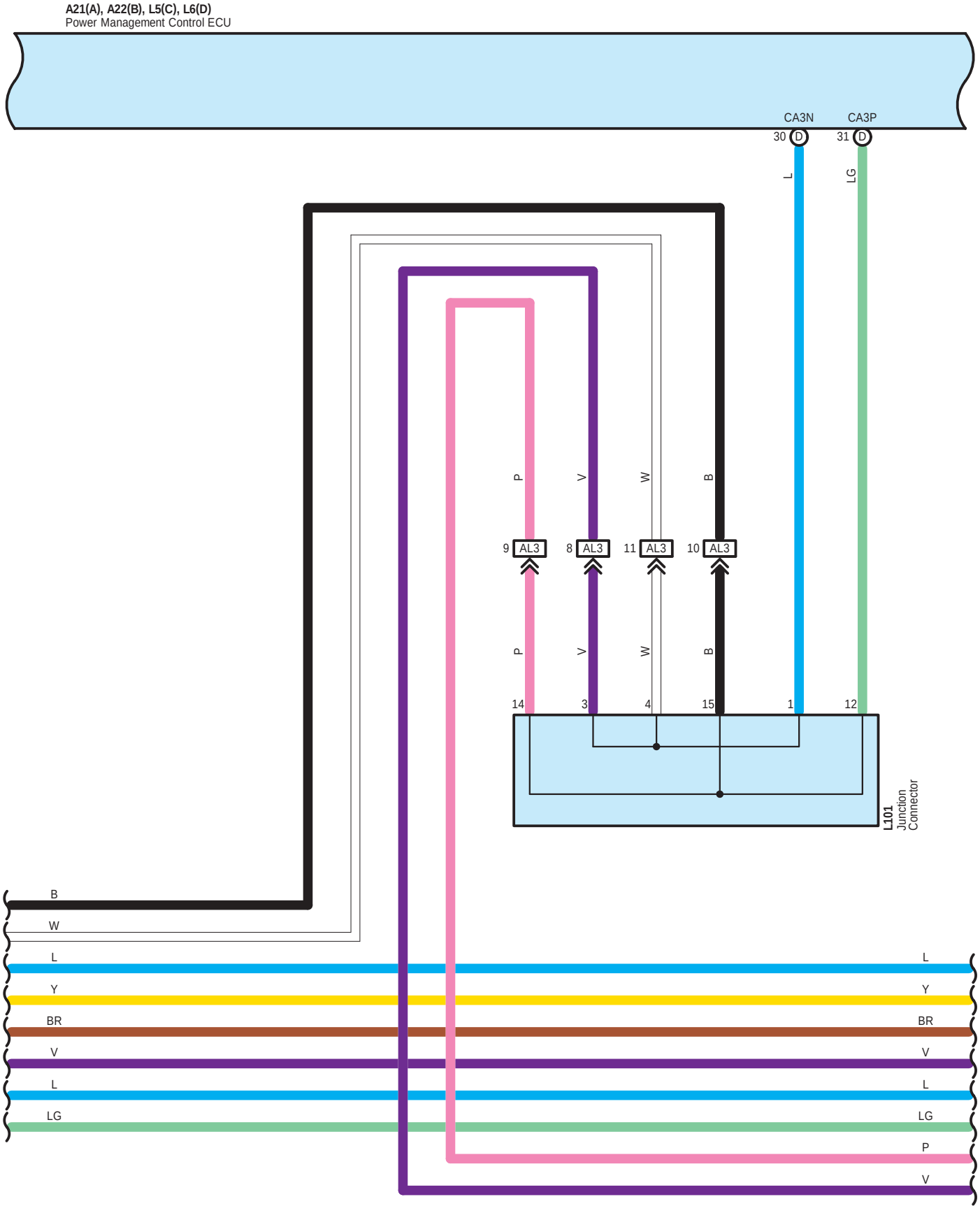

A57(A), D28(B)
ECM
CANN
CANP
CANH
CANL
FANH
FANL
TC
G2O
W
4 A
12 A
13 A
5 A
22 A
21 A
7 A
48 B
36 A
W
B
P
V
LG
L
P
Y
LG
4 AL2
3 DA2
11 AL2
P
Y
LG
9 3B
46 3A
FAN NO. 1 Relay
FAN NO. 2 Relay
FAN NO. 3 Relay
P
13
TC
L61
DLC3
LG
Y
V
P
B
W

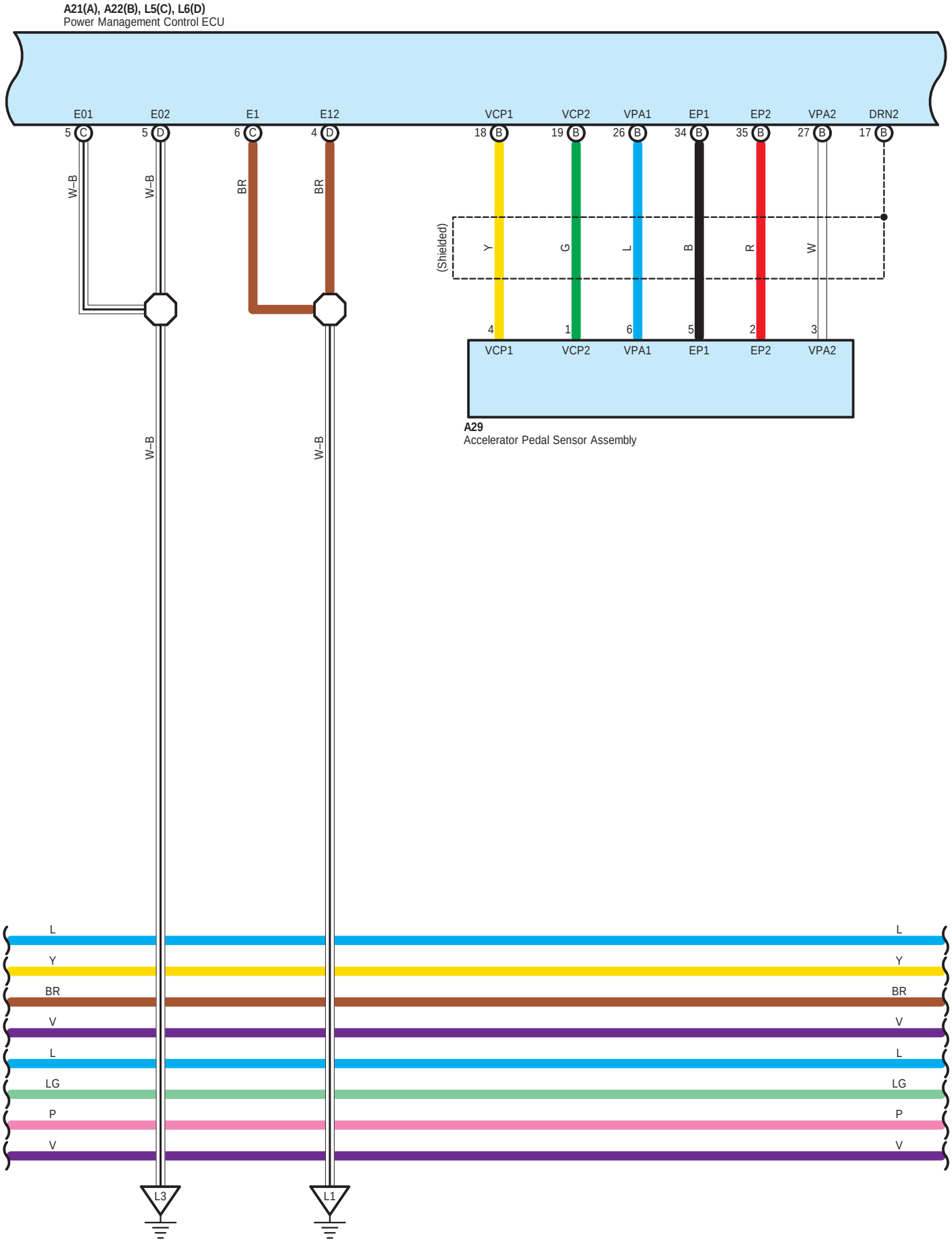

(IG)
7. 5A
MET
44 2A
G
20
(IG)
10A
GAUGE
31 2A
L
19
(BAT)
7. 5A
ECU–B
2
1
Y
18 2C
37 2A
R
18
L27
Combination Meter Assembly
IG2
IG+
B
Malfunction
Indicator Lamp
Display
Driver
I/F
CPU
I/F
I/F
CAN IC
EFI
ES
+S
SI
CANL
CANH
25
30
7
8
11
10
LG
BR
V
V
P
W
LG
Y
V
P
B
W
V
L2

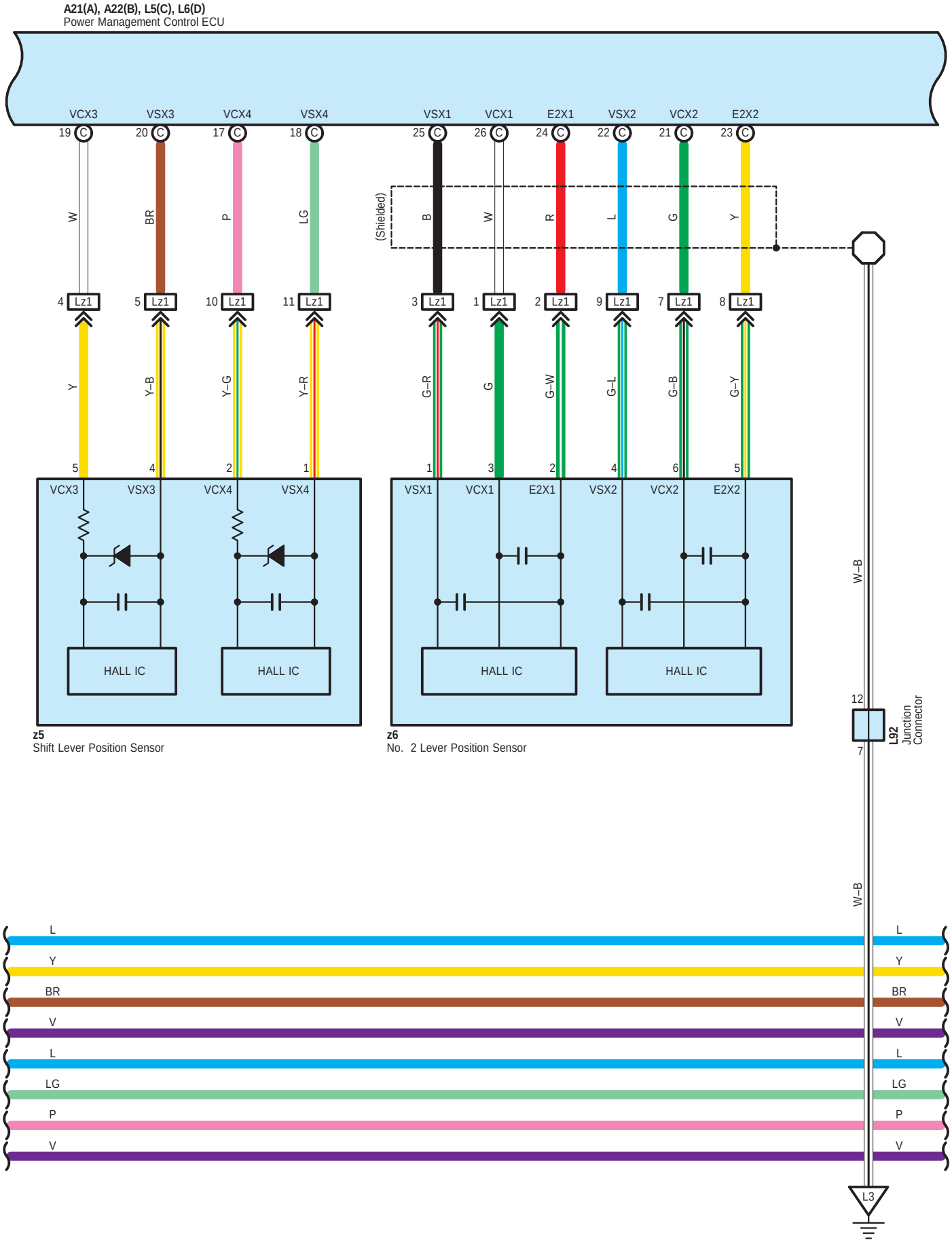

V
W
V
W
7
18
L94
Junction
Connector
1
12
8
19
2
13
10
21
P
W
Y
L
L
W
LG
L
3
AL3
2
AL3
3
2
4
3
CANH
CANL
CANH
CANL
L12
Yaw Rate
Sensor Assembly
L51
Steering Sensor
LG
L
P
W
V
Y
V
P
B
W
V
Y
V
P
B
W
V
V
L
LG


(BAT)
30A
IGCT
(BAT)
7. 5A
AM2
L95
Junction Connector
14
3
20
9
19
8
18
7
V
W
V
P
W
B
BR
Y
5 AL3
4 AL3
10 AL8
11 AL8
2
1
B
W
2 AL2
W
3
1
5
2
IGCT
Relay
L
1
1
10A
IGCT
NO. 2
2
1
W–B
12
A56
Junction
Connector
8
BR
BE
W
BE
L
B
W
V
Y
V
P
B
W
Y
BR
V
L
LG
A3


A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
AM21
AM22
MREL
+B2
+B1
CA1H
CA1L
SPDI
GI
7 D
1 C
6 B
2 A
5 B
25 D
24 D
14 C
16 A
W
W
BE
L
L
B
W
V
Y
32 3B
6 3A
6 3B
2 3A
26 3A
A52(A), A53(B)
Junction Connector
6 B
1 A
2 A
8
9
12
7
A55
Junction
Connector
17
16
L89
Junction
Connector
(Shielded)
B
W–B
Y
29 A
30 A
GI
DRN5
A59(A)
With Converter
Inverter Assembly
W
BE
L
B
W
V
Y
B
W
L
Y
BR
V
L
LG
B
W
L
Y
BR
V
L
LG

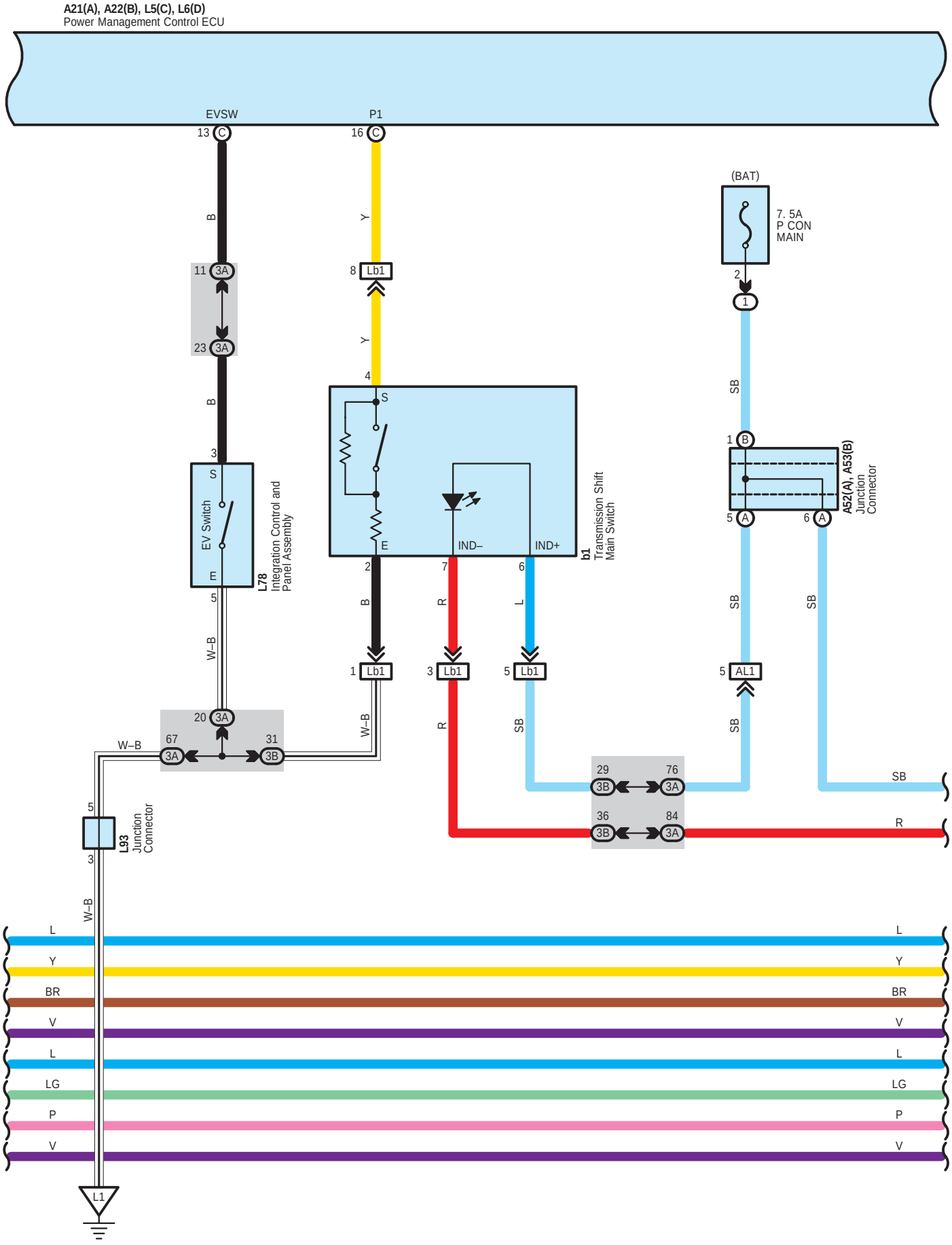

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
CA3N
CA3P
30 D
31 D
L
LG
P
V
W
B
9 AL3
8 AL3
11 AL3
10 AL3
14
3
4
15
1
12
L101
Junction
Connector
B
W
L
Y
BR
V
L
LG
L
Y
BR
V
L
LG
P
V

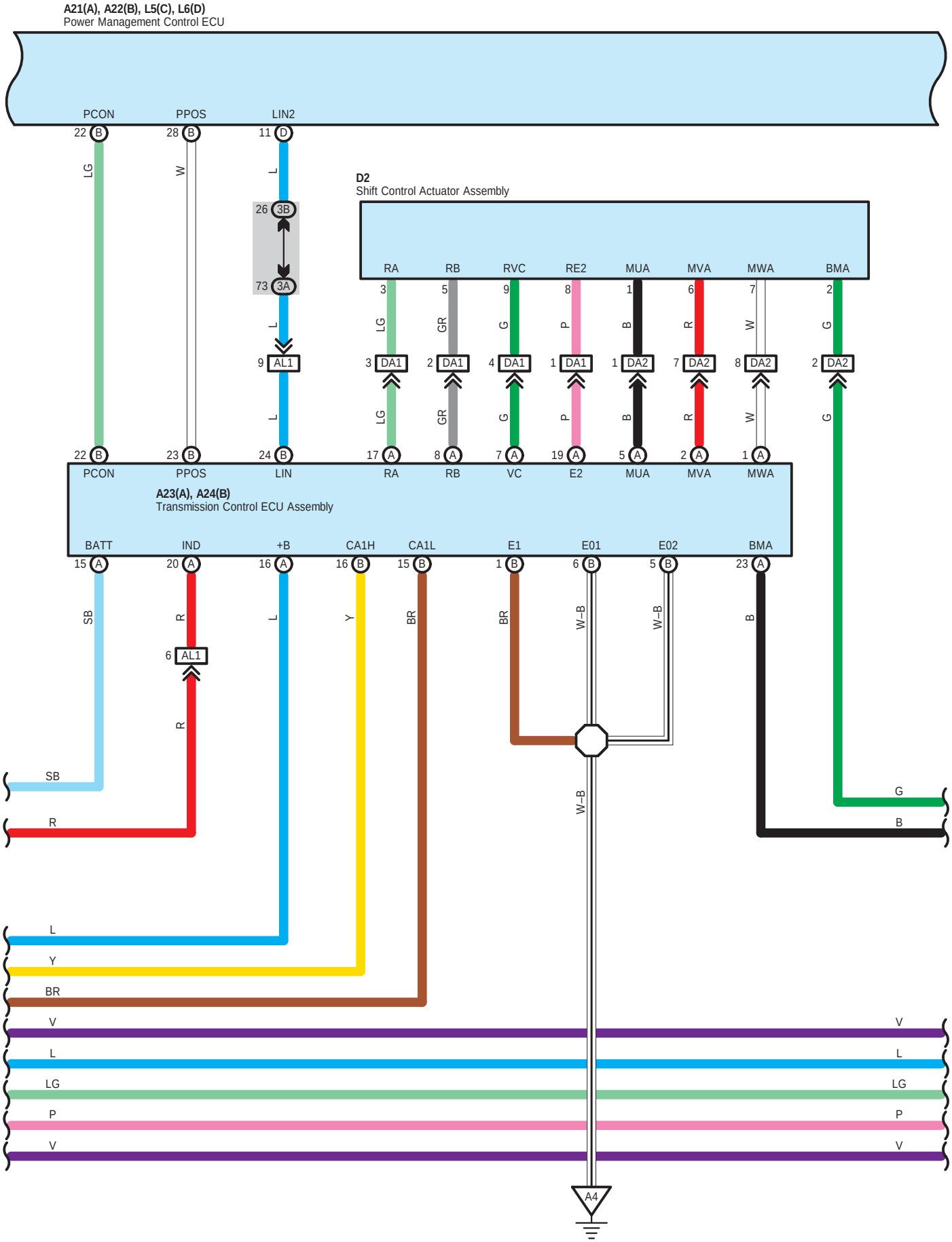

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
E01
E02
E1
E12
5 C
5 D
6 C
4 D
W–B
W–B
BR
BR
W–B
W–B
VCP1
VCP2
VPA1
EP1
EP2
VPA2
DRN2
18 B
19 B
26 B
34 B
35 B
27 B
17 B
(Shielded)
Y
G
L
B
R
W
4
1
6
5
2
3
VCP1
VCP2
VPA1
EP1
EP2
VPA2
A29
Accelerator Pedal Sensor Assembly
L
Y
BR
V
L
LG
P
V
L
Y
BR
V
L
LG
P
V
L3
L1

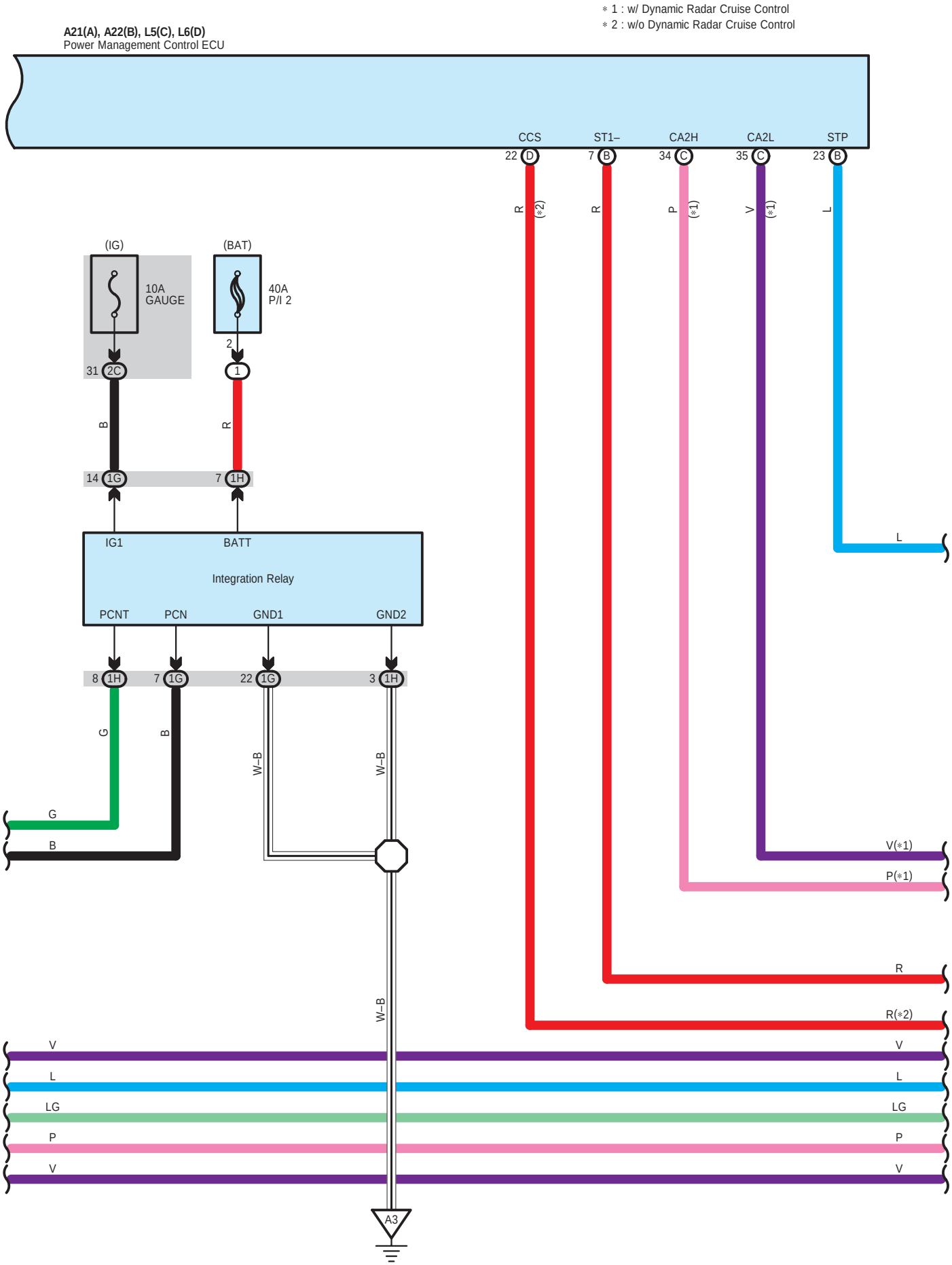


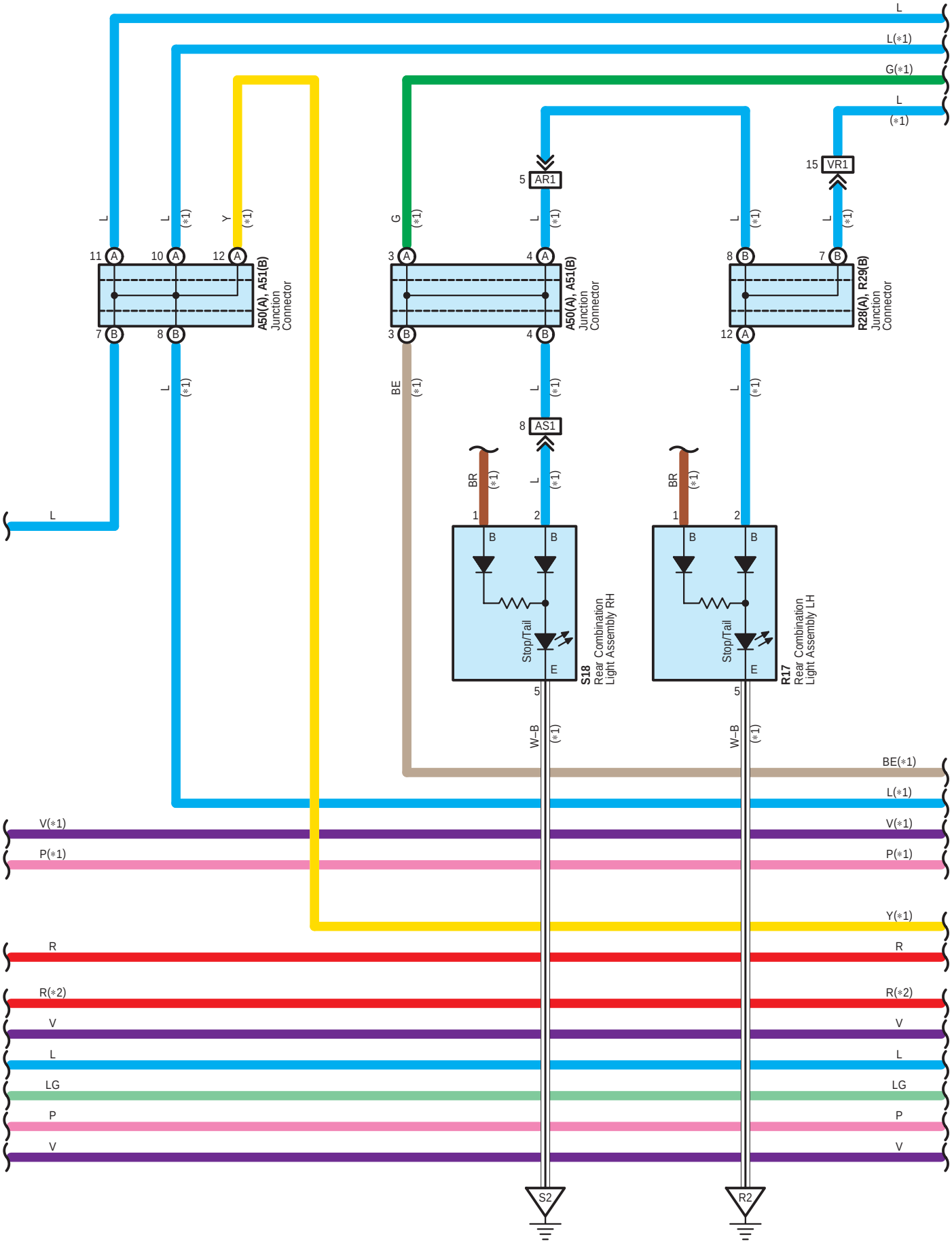
z5
Shift Lever Position Sensor

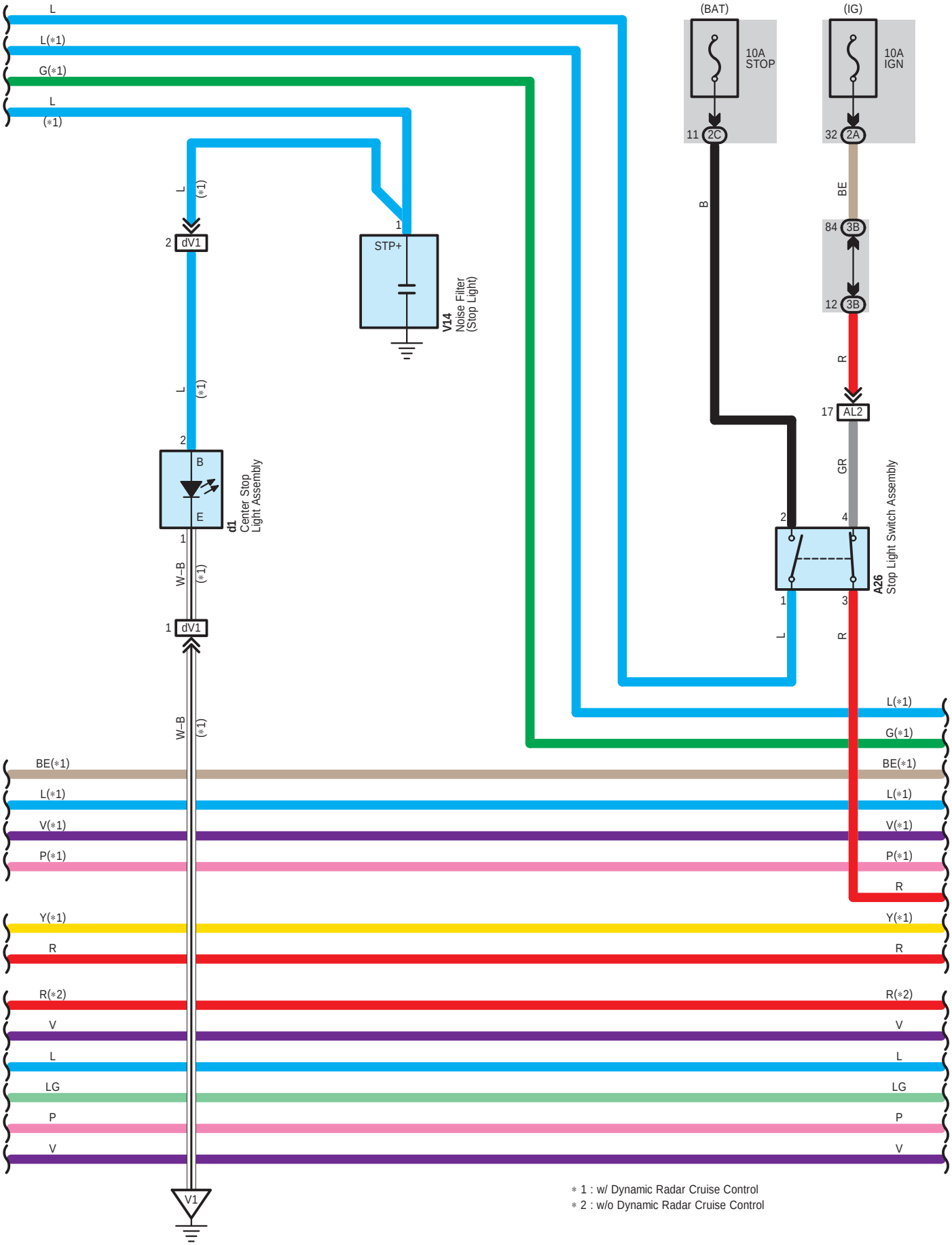
z6
No. 2 Lever Position Sensor

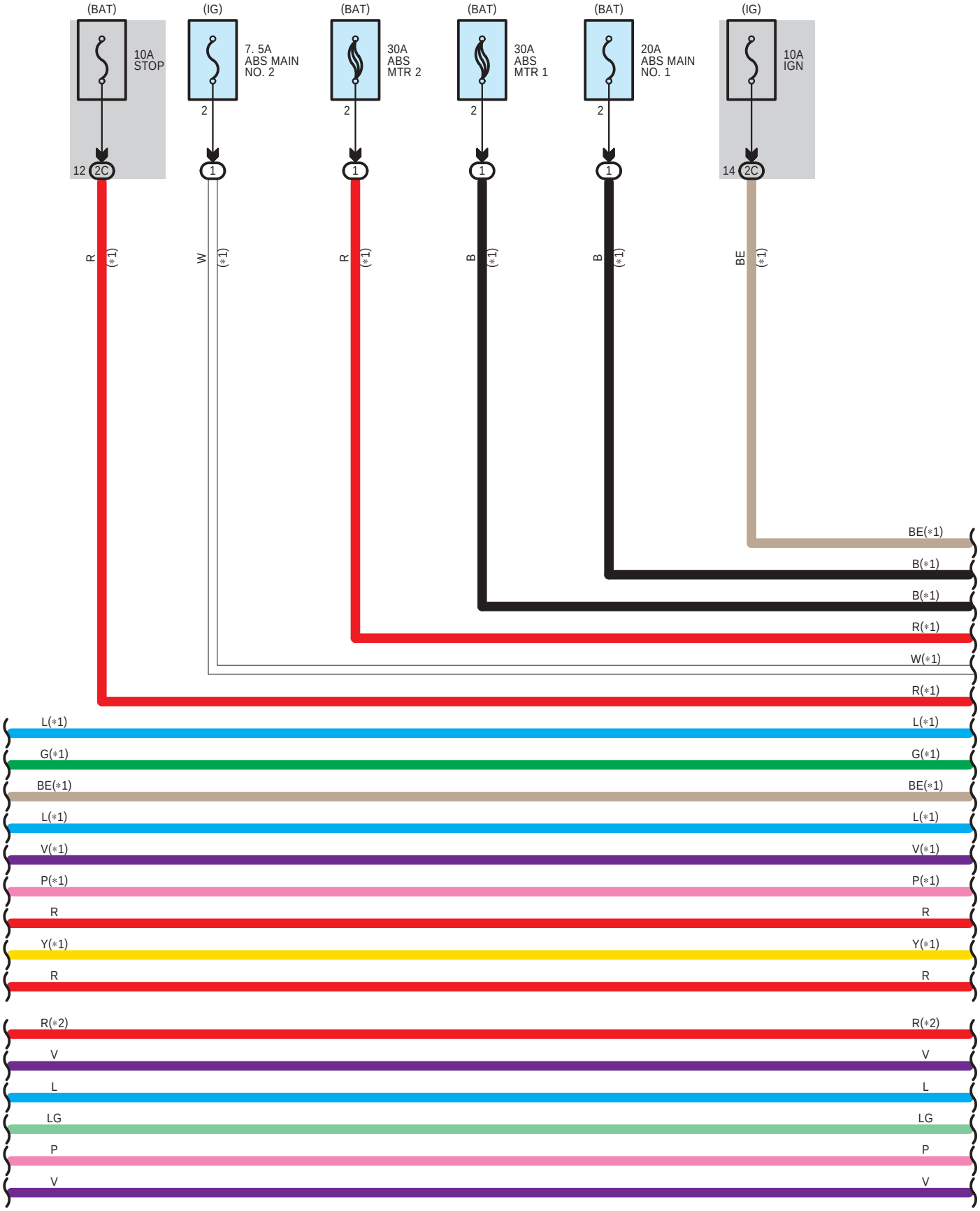

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
EVSW
P1
13 C
16 C
B
Y
11 3A
23 3A
8 Lb1
4
S
E
IND–
IND+
2
7
6
B
R
L
1 Lb1
3 Lb1
5 Lb1
3
S
EV Switch
E
L78
Integration Control and Panel Assembly
5
W–B
20 3A
67 3A
31 3B
W–B
W–B
5
L93
Junction Connector
3
W–B
L1
b1
Transmission Shift Main Switch
(BAT)
7. 5A
P CON
MAIN
2
1
SB
1 B
5 A
6 A
A52(A), A53(B)
Junction Connector
SB
SB
5 AL1
SB
29 3B
76 3A
36 3B
84 3A
SB
R
L
Y
BR
V
L
LG
P
V
L
Y
BR
V
L
LG
P
V

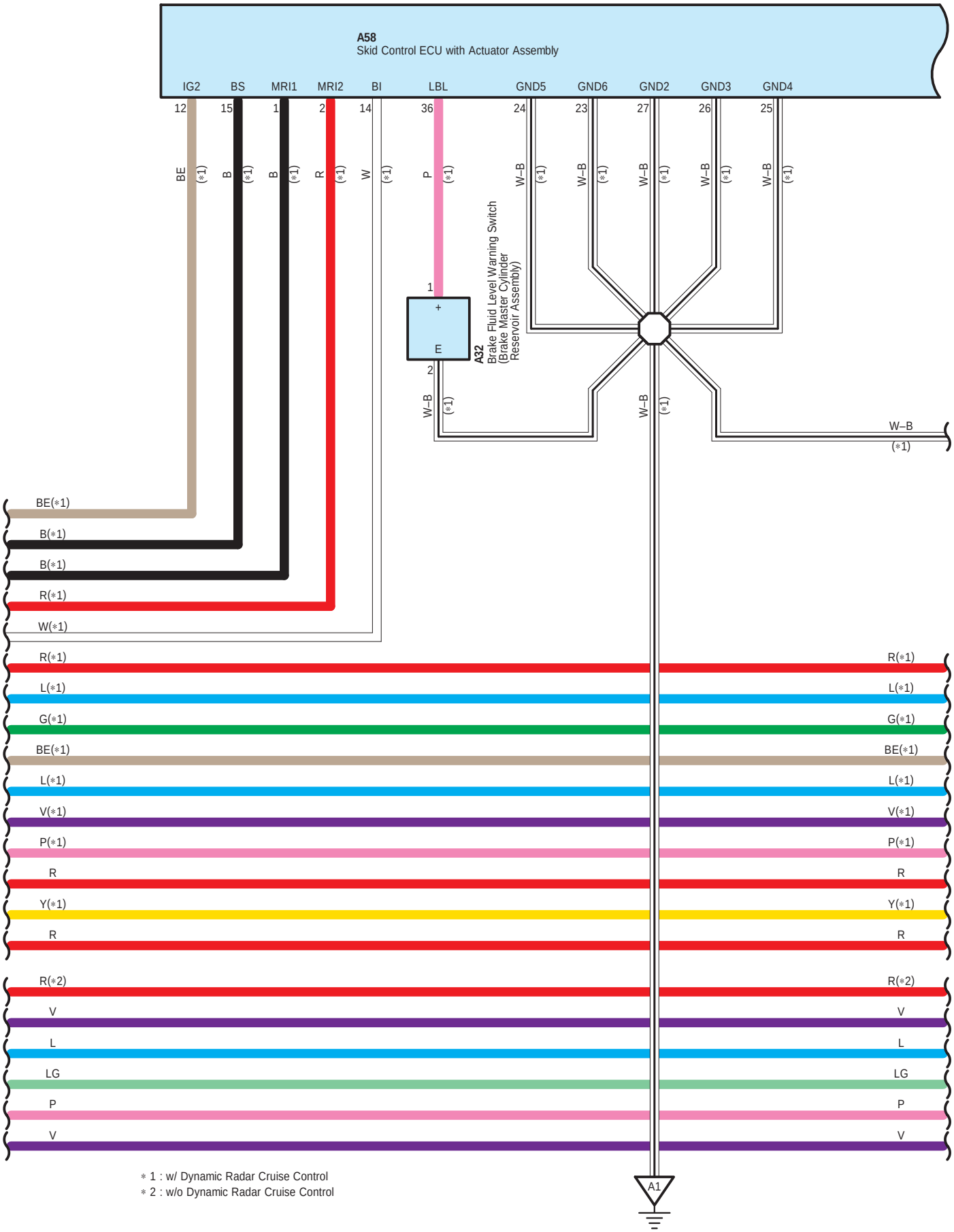

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
PCON
PPOS
LIN2
22 B
28 B
11 D
LG
W
L
26 3B
73 3A
9 AL1
D2
Shift Control Actuator Assembly
RA
RB
RVC
RE2
MUA
MVA
MWA
BMA
3 LG
5 GR
9 G
8 P
1 B
6 R
7 W
2 G
3 DA1
2 DA1
4 DA1
1 DA1
1 DA2
7 DA2
8 DA2
2 DA2
22 B
23 B
24 B
17 A
8 A
7 A
19 A
5 A
2 A
1 A
PCON
PPOS
LIN
RA
RB
VC
E2
MUA
MVA
MWA
A23(A), A24(B)
Transmission Control ECU Assembly
BATT
IND
+B
CA1H
CA1L
E1
E01
E02
BMA
15 A
20 A
16 A
16 B
15 B
1 B
6 B
5 B
23 A
SB
R
L
Y
BR
W-B
B
G
6 AL1
SB
R
L
Y
BR
W-B
G
B
V
L
LG
P
V
A4

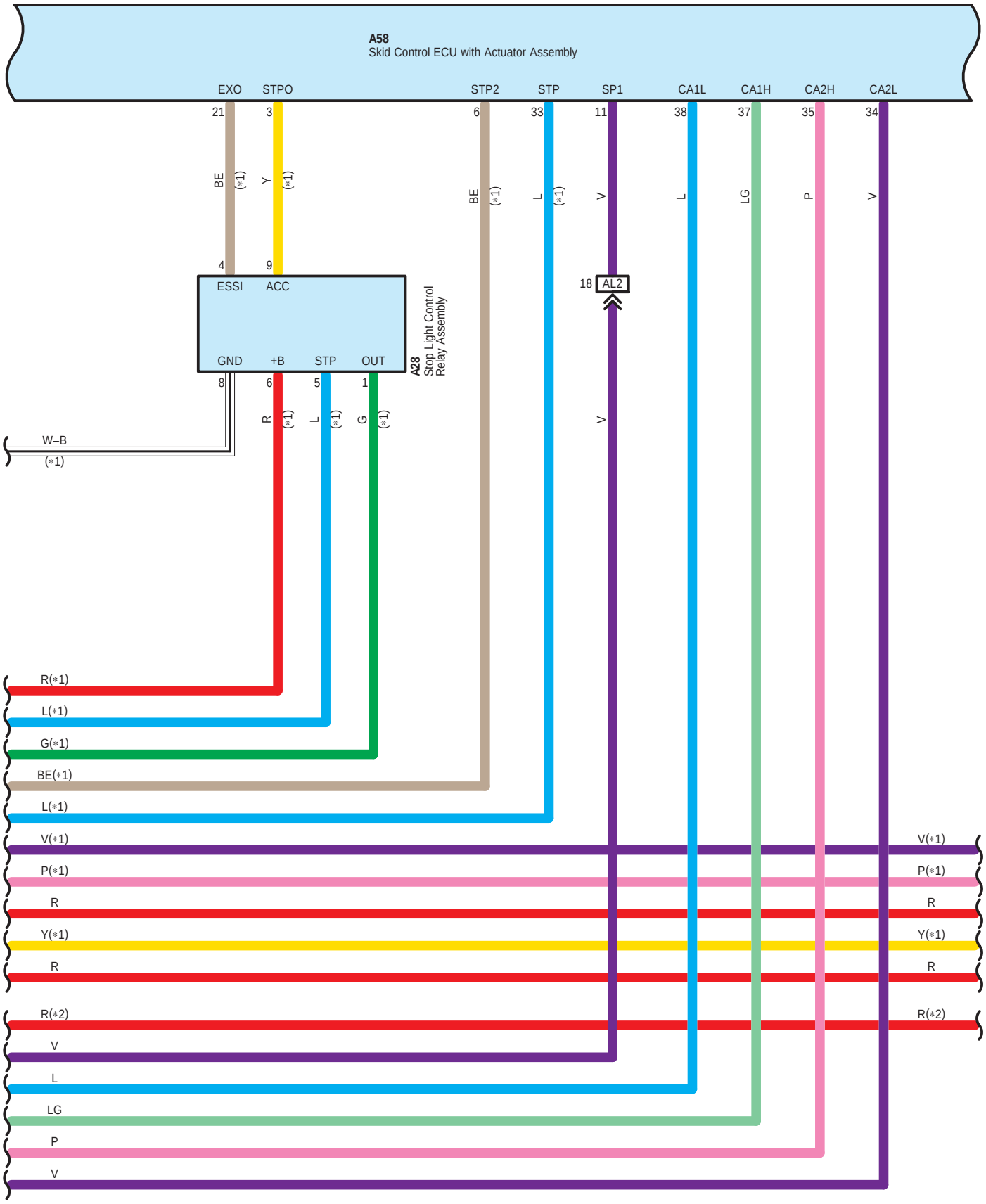

∗ 1 : w/ Dynamic Radar Cruise Control
∗ 2 : w/o Dynamic Radar Cruise Control
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
CCS
ST1–
CA2H
CA2L
STP
22 D
7 B
34 C
35 C
23 B
R (∗2)
R
P (∗1)
V (∗1)
L
(IG)
(BAT)
10A GAUGE
40A P/I 2
2
31 2C
1
B
R
14 1G
7 1H
IG1
BATT
Integration Relay
PCNT
PCN
GND1
GND2
8 1H
7 1G
22 1G
3 1H
G
B
W–B
W–B
W–B
G
B
V(∗1)
P(∗1)
R
R(∗2)
V
L
LG
P
V
A3

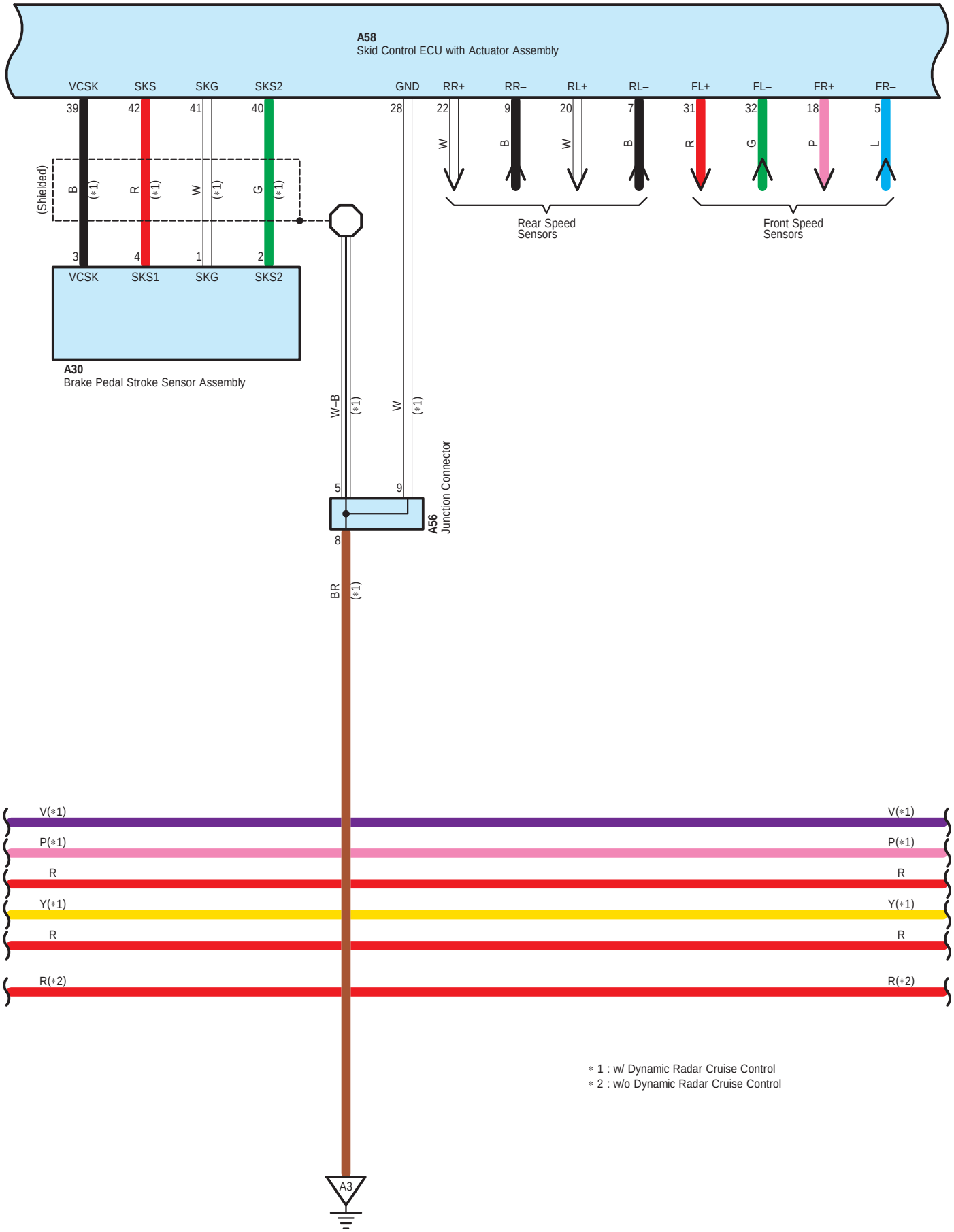

L
L(*1)
G(*1)
L
(*1)
15 VR1
5 AR1
L
L (*1)
Y (*1)
G (*1)
L (*1)
L (*1)
L (*1)
11 A
10 A
12 A
3 A
4 A
8 B
7 B
A50(A), A51(B) Junction Connector
A50(A), A51(B) Junction Connector
R28(A), R29(B) Junction Connector
7 B
8 B
3 B
4 B
12 A
L (*1)
BE (*1)
L (*1)
L (*1)
8 AS1
BR (*1)
L (*1)
BR (*1)
1
2
1
2
B
B
B
B
Stop/Tail
E
Stop/Tail
E
S18 Rear Combination Light Assembly RH
R17 Rear Combination Light Assembly LH
5
5
W–B (*1)
W–B (*1)
L
BE(*1)
L(*1)
V(*1)
V(*1)
P(*1)
P(*1)
Y(*1)
R
R
R(*2)
R(*2)
V
V
L
L
LG
LG
P
P
V
V
S2
R2

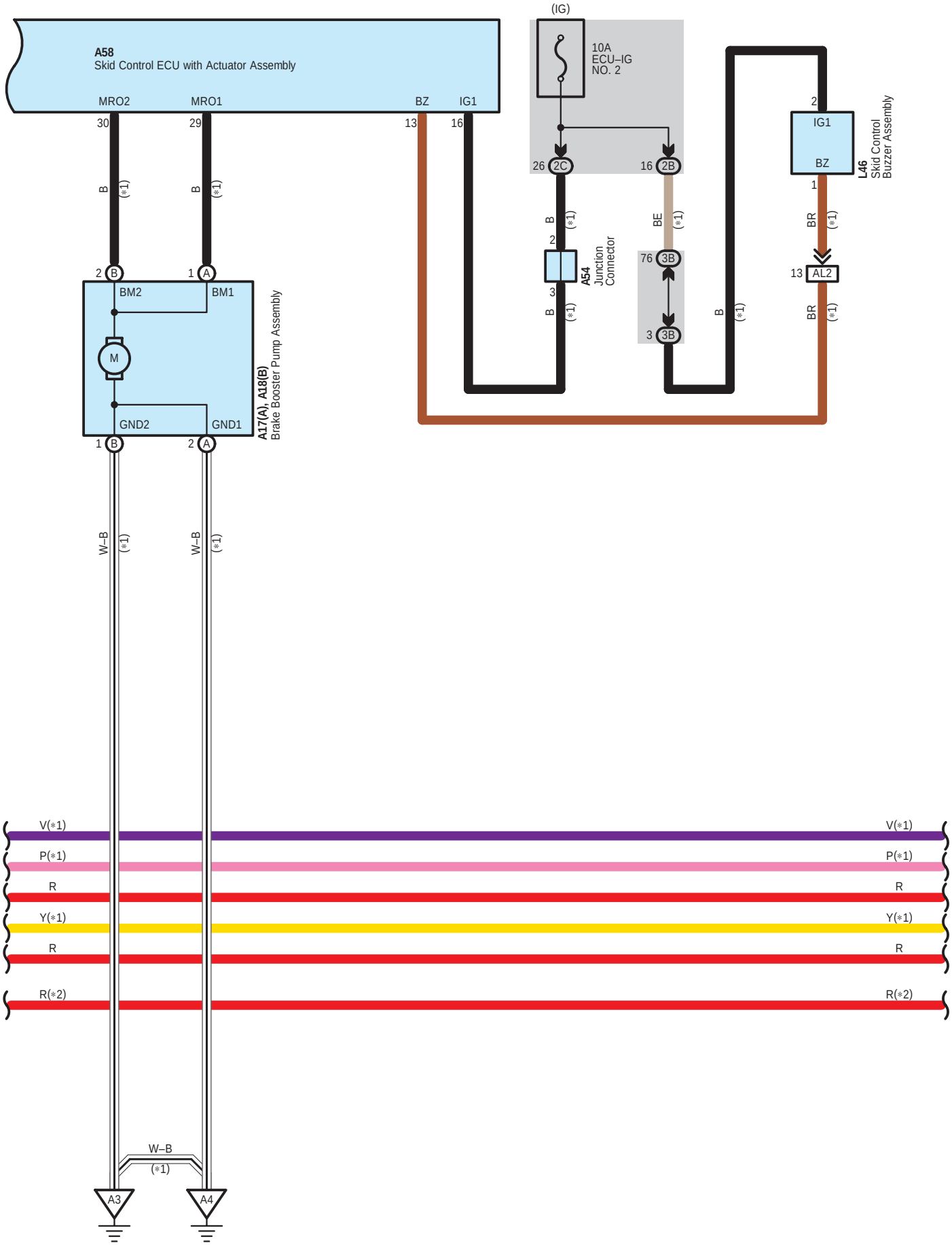

L
L(*1)
G(*1)
L
(*1)
(BAT)
10A
STOP
11
2C
(IG)
10A
IGN
32
2A
B
BE
84
3B
12
3B
R
17
AL2
GR
L
(*1)
2
dV1
1
STP+
V14
Noise Filter
(Stop Light)
2
B
E
d1
Center Stop
Light Assembly
1
W-B
(*1)
1
dV1
W-B
(*1)
2
4
1
3
A26
Stop Light Switch Assembly
L
R
L(*1)
G(*1)
BE(*1)
L(*1)
V(*1)
P(*1)
R
Y(*1)
R
R(*2)
V
L
LG
P
V
V1
* 1 : w/ Dynamic Radar Cruise Control
* 2 : w/o Dynamic Radar Cruise Control

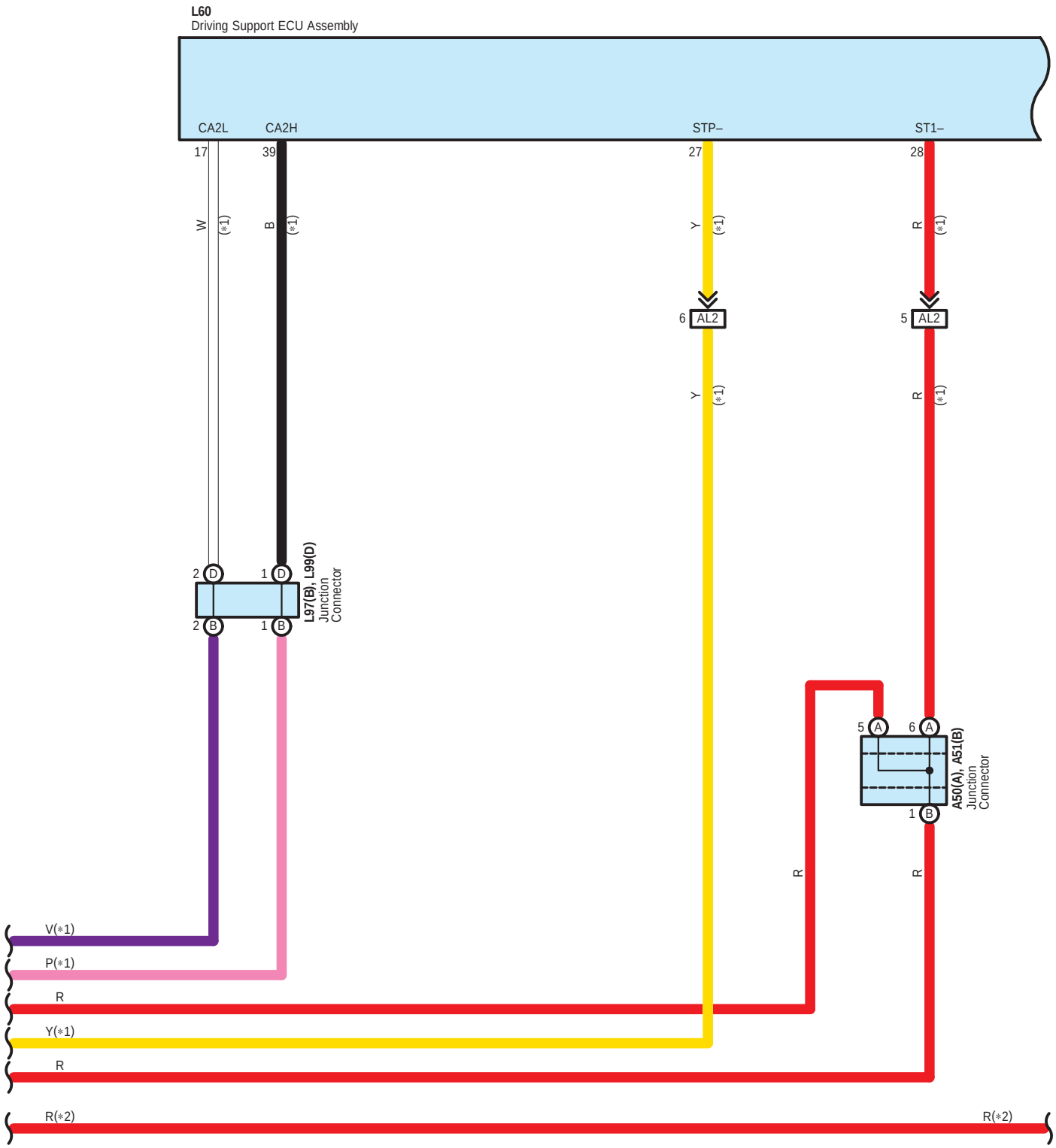

(BAT)
10A
STOP
12 2C
R (*1)
(IG)
7. 5A
ABS MAIN
NO. 2
2
1
W (*1)
(BAT)
30A
ABS
MTR 2
2
1
R (*1)
(BAT)
30A
ABS
MTR 1
2
1
B (*1)
(BAT)
20A
ABS MAIN
NO. 1
2
1
B (*1)
(IG)
10A
IGN
14 2C
BE (*1)
BE(*1)
B(*1)
B(*1)
R(*1)
W(*1)
R(*1)
L(*1)
L(*1)
G(*1)
G(*1)
BE(*1)
BE(*1)
L(*1)
L(*1)
V(*1)
V(*1)
P(*1)
P(*1)
R
R
Y(*1)
Y(*1)
R
R
R(*2)
R(*2)
V
V
L
L
LG
LG
P
P
V
V


A58
Skid Control ECU with Actuator Assembly
IG2
BS
MRI1
MRI2
BI
LBL
GND5
GND6
GND2
GND3
GND4
12
15
1
2
14
36
24
23
27
26
25
BE
B
B
R
W
P
W–B
(*1)
A32
Brake Fluid Level Warning Switch
(Brake Master Cylinder
Reservoir Assembly)
+
E
BE(*1)
B(*1)
B(*1)
R(*1)
W(*1)
L(*1)
G(*1)
V(*1)
P(*1)
R
Y(*1)
R(*2)
V
L
LG
P
A1
* 1 : w/ Dynamic Radar Cruise Control
* 2 : w/o Dynamic Radar Cruise Control

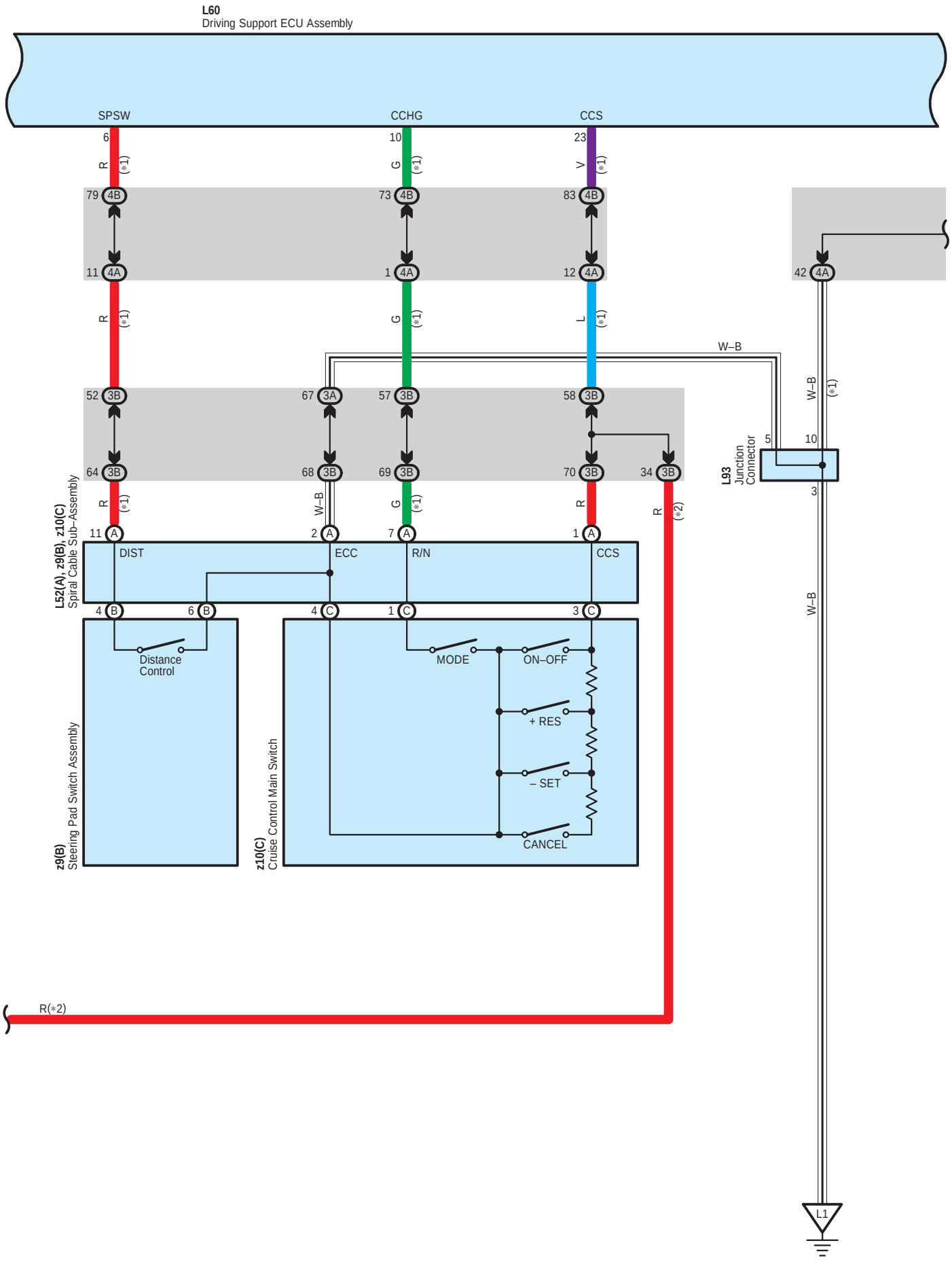

A58
Skid Control ECU with Actuator Assembly
EXO
STPO
STP2
STP
SP1
CA1L
CA1H
CA2H
CA2L
21
3
6
33
11
38
37
35
34
BE (*1)
Y (*1)
BE (*1)
L (*1)
V
L
LG
P
V
4
9
18
AL2
ESSI
ACC
GND
+B
STP
OUT
A28
Stop Light Control Relay Assembly
8
6
5
1
R (*1)
L (*1)
G (*1)
V
W–B
(*1)
R(*1)
L(*1)
G(*1)
BE(*1)
L(*1)
V(*1)
P(*1)
R
Y(*1)
R
R(*2)
V
L
LG
P
V
V(*1)
P(*1)
R
Y(*1)
R
R(*2)

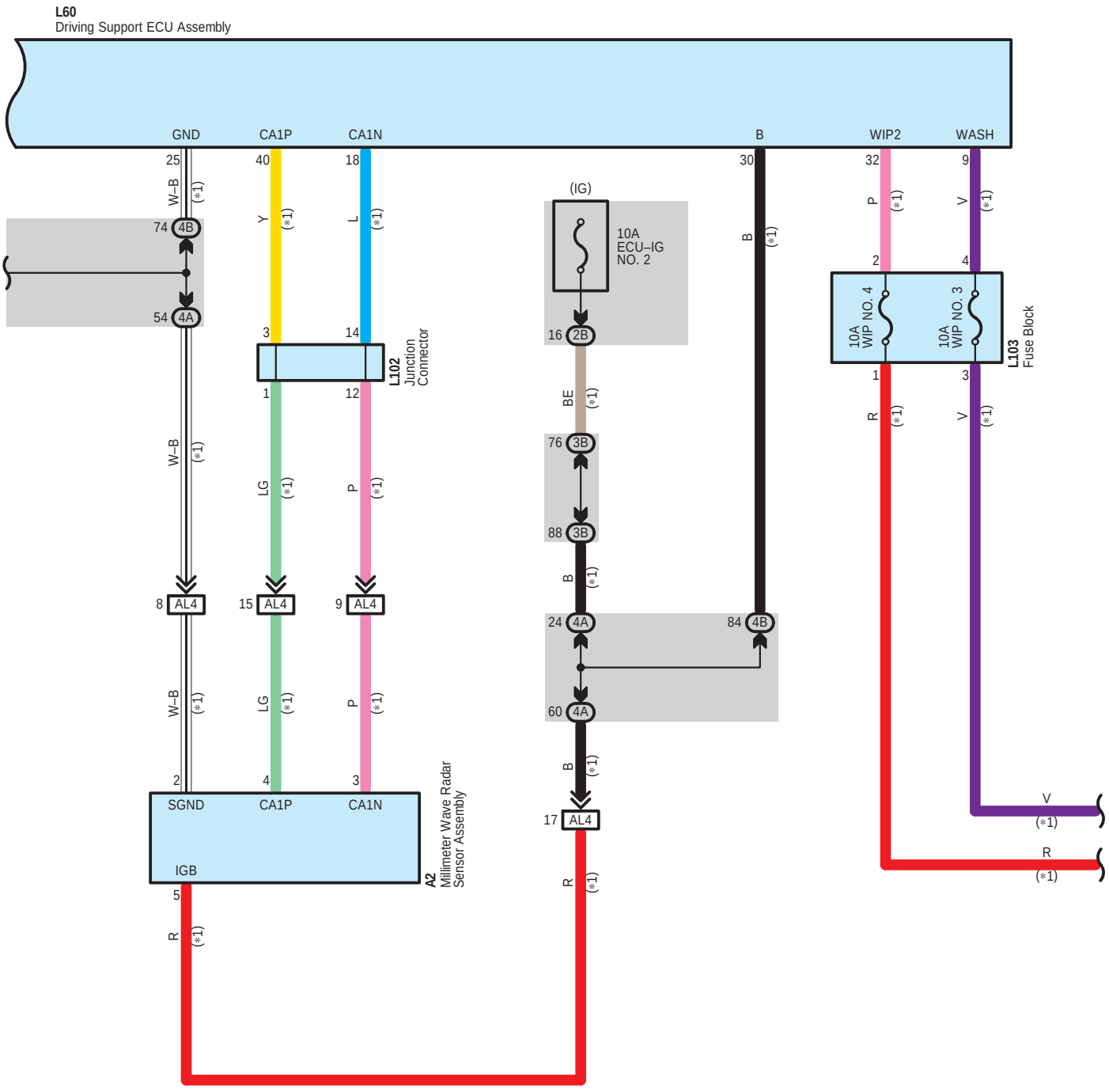

A58
Skid Control ECU with Actuator Assembly
VCSK
SKS
SKG
SKS2
GND
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
39
42
41
40
28
22
9
20
7
31
32
18
5
W
B
W
B
R
G
P
L
Rear Speed Sensors
Front Speed Sensors
(Shielded)
B (*1)
R (*1)
W (*1)
G (*1)
3
4
1
2
VCSK
SKS1
SKG
SKS2
A30
Brake Pedal Stroke Sensor Assembly
W–B (*1)
W (*1)
5
9
A56
Junction Connector
8
BR (*1)
V(*1)
P(*1)
R
Y(*1)
R
R(*2)
V(*1)
P(*1)
R
Y(*1)
R
R(*2)
A3
* 1 : w/ Dynamic Radar Cruise Control
* 2 : w/o Dynamic Radar Cruise Control


A58
Skid Control ECU with Actuator Assembly
MRO2
MRO1
BZ
IG1
30
29
13
16
B
(*1)
2 B
1 A
BM2
BM1
M
GND2
GND1
1 B
2 A
A17(A), A18(B)
Brake Booster Pump Assembly
W–B
(*1)
(IG)
10A
ECU–IG
NO. 2
26 2C
16 2B
2
3
A54
Junction
Connector
76 3B
3 3B
BE
2
IG1
BZ
1
L46
Skid Control
Buzzer Assembly
BR
13 AL2
V(*1)
P(*1)
R
Y(*1)
R(*2)
A3
A4



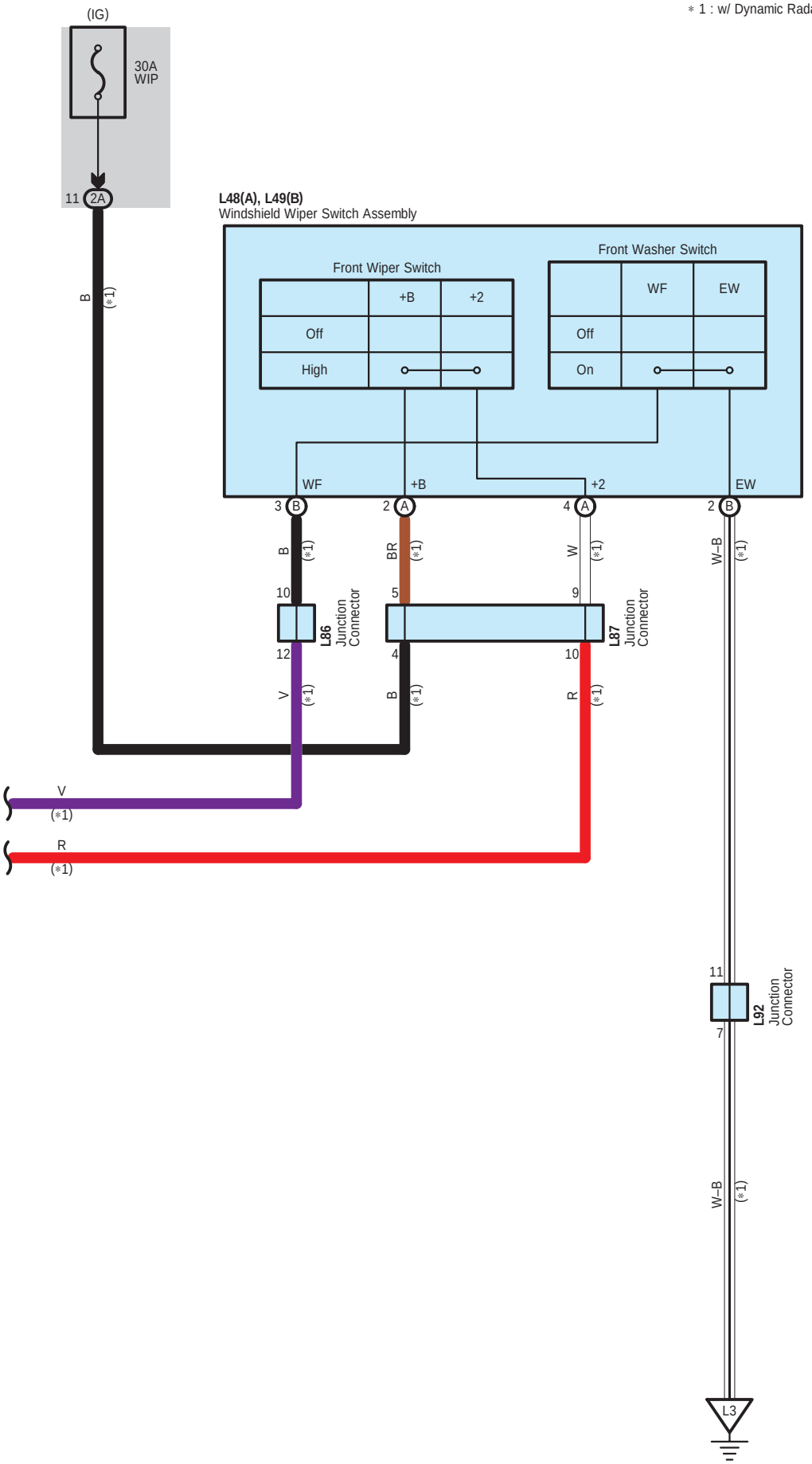
∗ 1 : w/ Dynamic Radar Cruise Control
∗ 2 : w/o Dynamic Radar Cruise Control


L60
Driving Support ECU Assembly
SPSW
CCHG
CCS
W–B
L93
Junction Connector
L52(A), z9(B), z10(C)
Spiral Cable Sub–Assembly
DIST
ECC
R/N
CCS
z9(B)
Steering Pad Switch Assembly
Distance Control
z10(C)
Cruise Control Main Switch
MODE
ON–OFF
+ RES
– SET
CANCEL
L1
R(∗2)

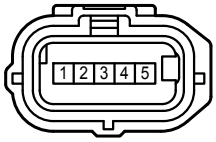


∗ 1 : w/ Dynamic Radar Cruise Control
∗ 2 : w/o Dynamic Radar Cruise Control

∗ 1 : w/ Dynamic Radar Cruise Control

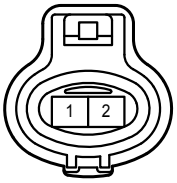


A 2
Black

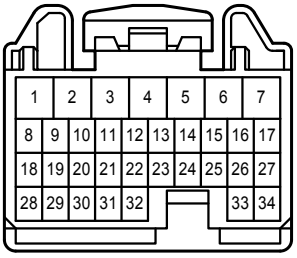


A 17
Gray

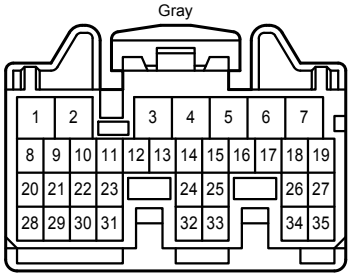
A 18
Black



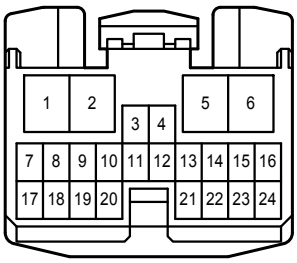
A 21
Gray



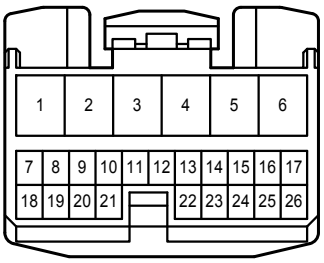
A 22
Gray



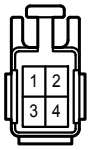
A 23
White



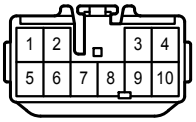
A 24
White



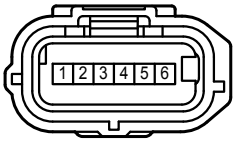
A 26
White



A 28
Black

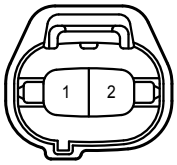


A 29
Black

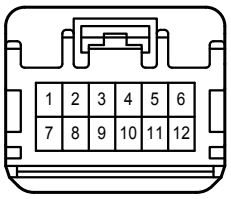


A 30
Black

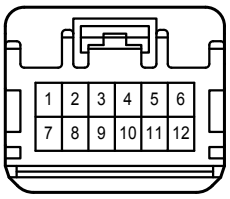
A 32
Black



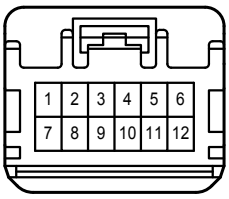
A 50
White



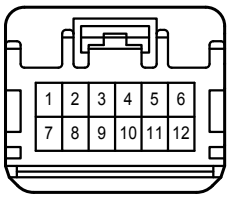
A 51
White



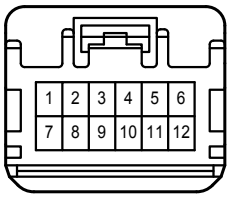
A 52
Black



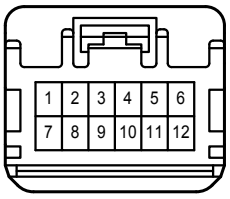
A 53
Black



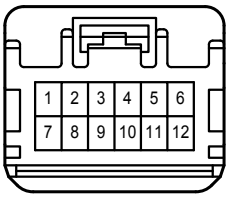
A 54
Black



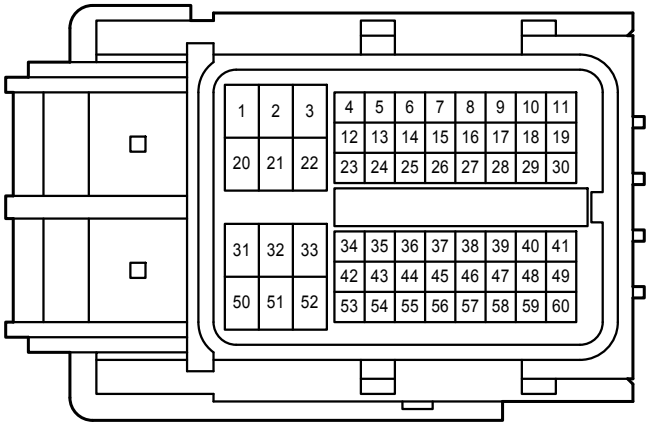
A 55
Black



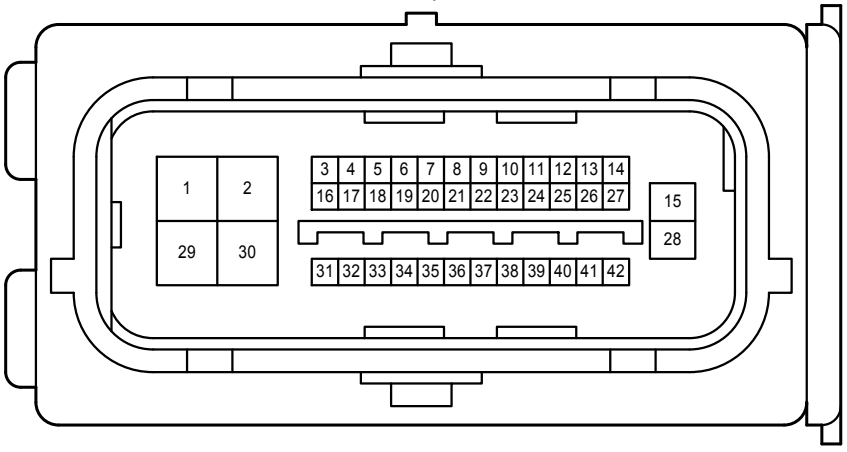
A 56
White



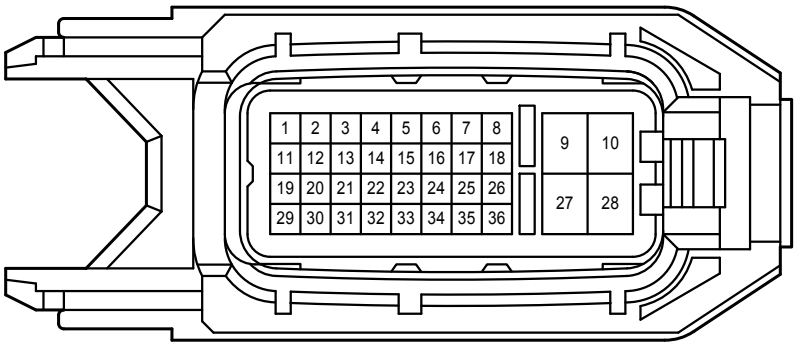
A 57
Black



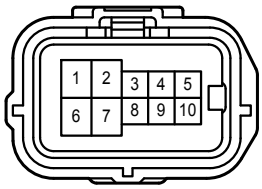
A 58
Gray



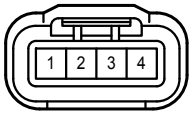
A 59
Black



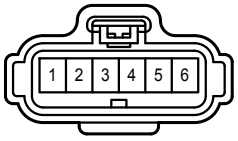
D 2
Black



D 3
Black



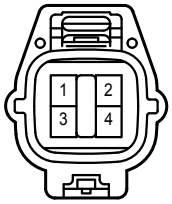
D 4
Black



D 5
Black

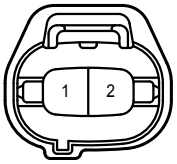
D 6
Black

D 9
Gray

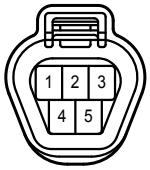


D 10
Black

D 11
Black



D 13
Black



D 14
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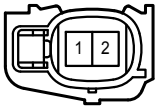
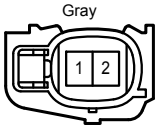


D 15
Gray



D 16
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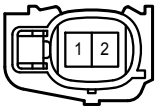
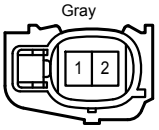
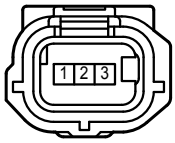


D 17
Gray

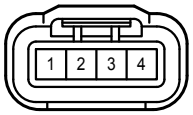


D 18
Black

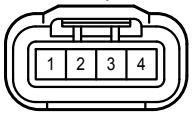


D 20
Gray

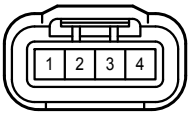
D 21
Black



D 22
Gray



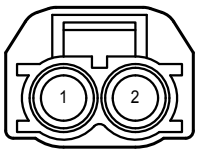
D 23
Black



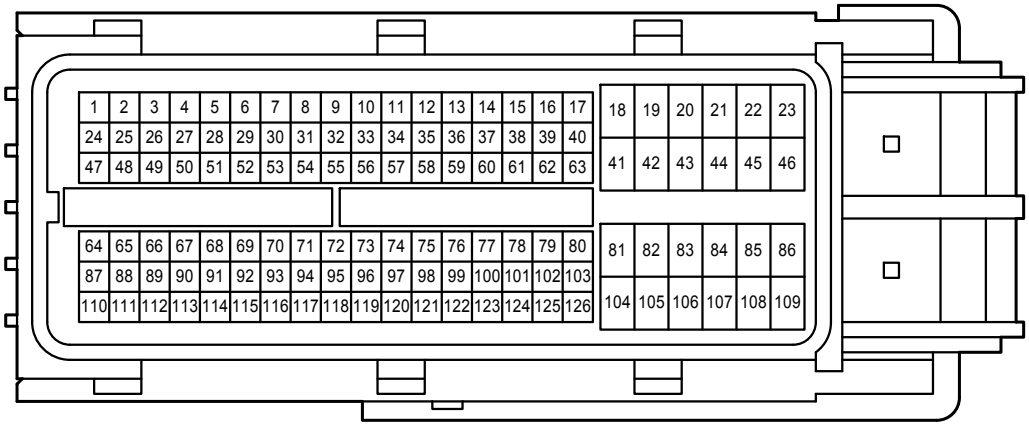
D 24
Dark Gray

D 25
Gray

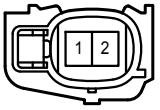
D 27
Black



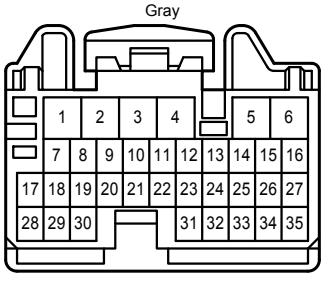
D 28
Black



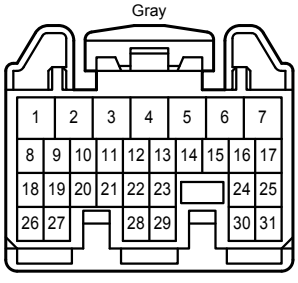
G 1
Black



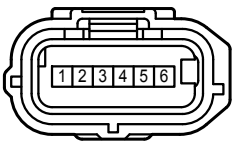
L 5
Gray



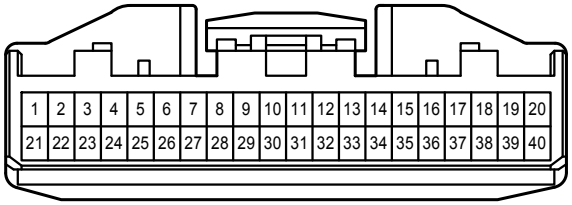
L 6
Gray



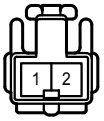
L 12
Black



L 27
White

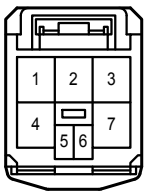


L 46
Blue

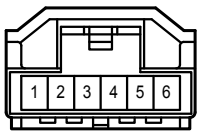


L 48
White

L 49
White

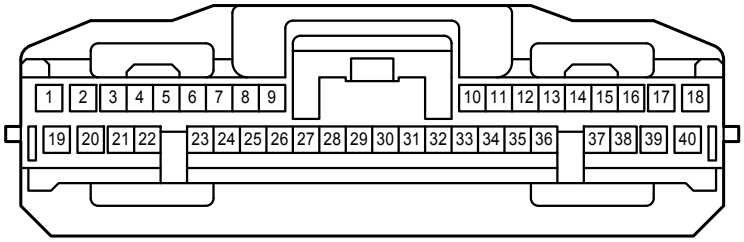


L 51
White

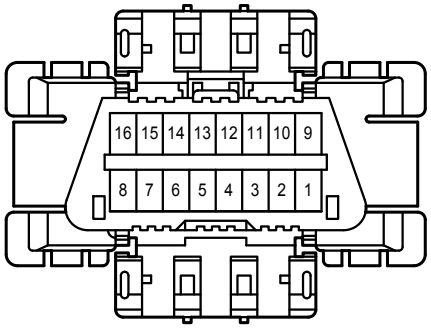


L 52
Black

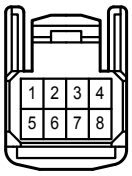
L 60
White



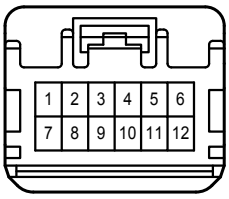
L 61
White



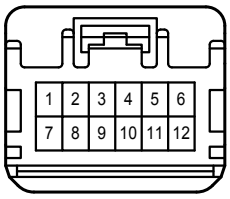
L 78
Black



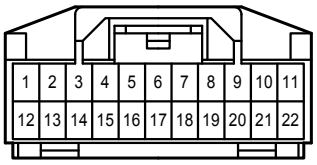
L 86
Black



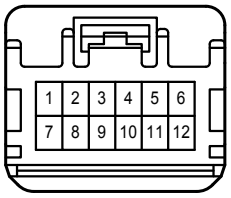
L 87
Black



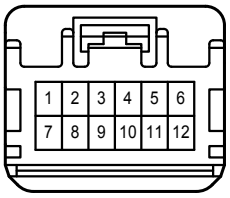
L 89
Black



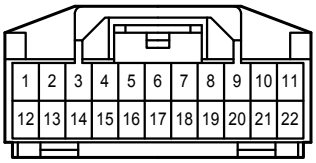
L 92
White



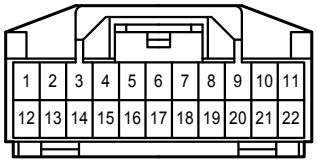
L 93
White



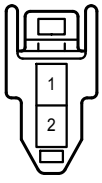
L 94
White



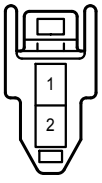
L 95
White



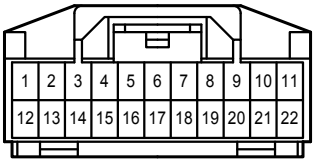
L 97
White



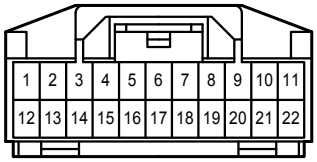
L 99
White



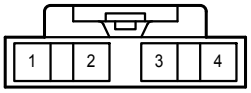
L101
Black



L102
Blue

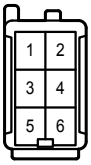


L103
White

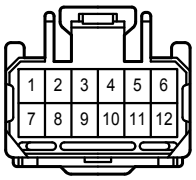


R 11
Dark Gray

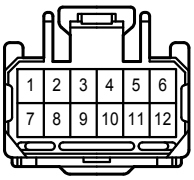
R 17
White



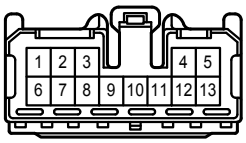
R 28
White



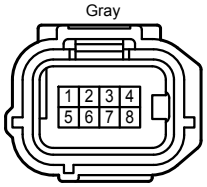
R 29
White



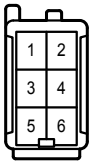
R 31
White



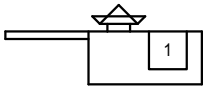
S 16
Gray



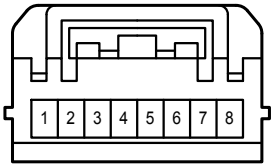
S 18
White



V 14
Black

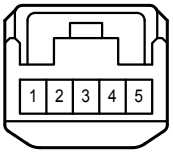


b 1
White

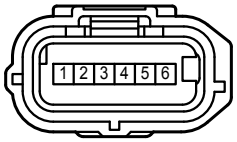


d 1
White

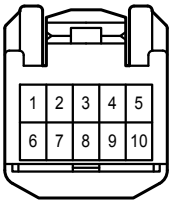
z 5
White



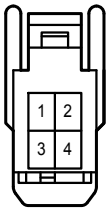
z 6
White



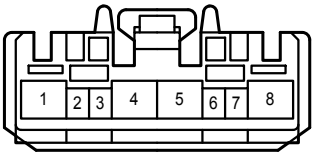
z 9
Black



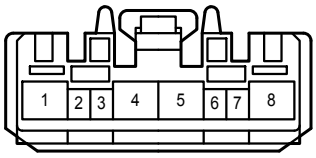
z 10
Black



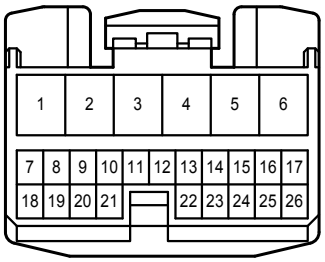
1A
White



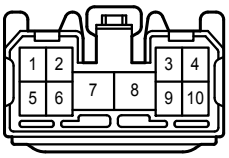
1B
White



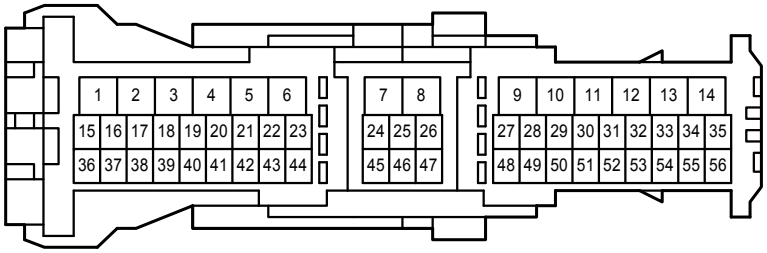
1G
White



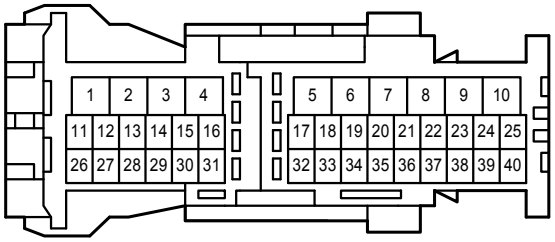
1H
White



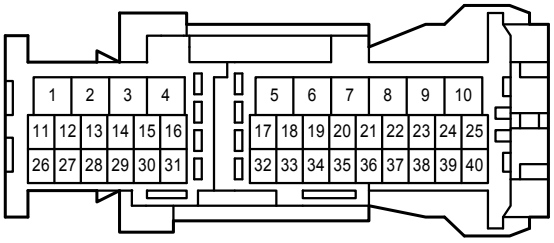
2A
White



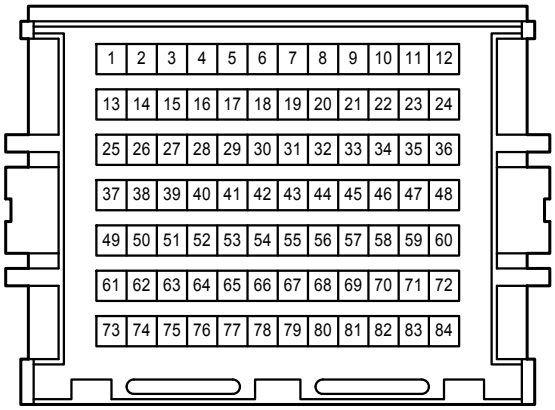
2B
White



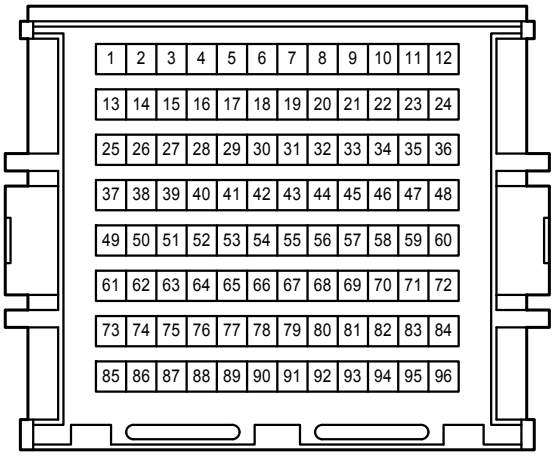
2C
White



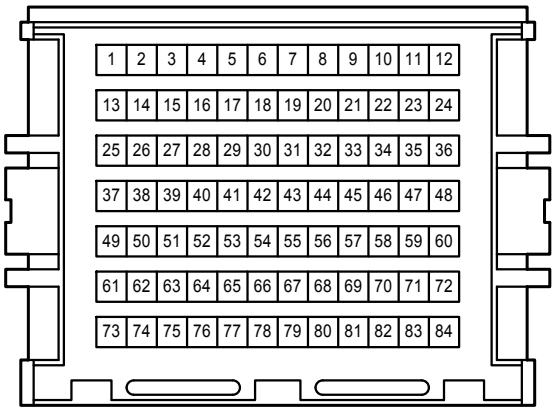
3A
White



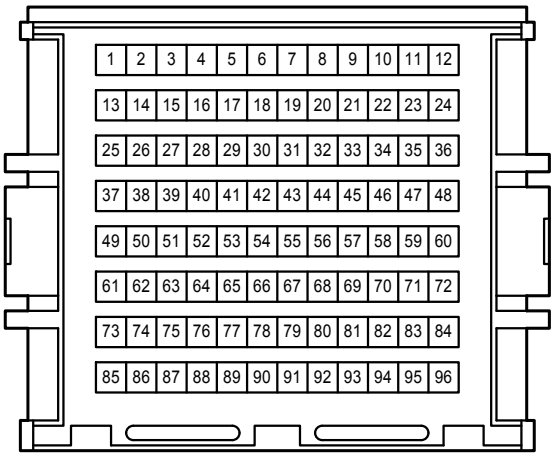
3B
White



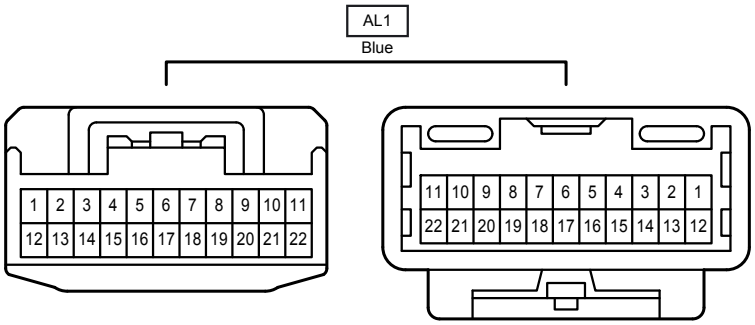
4A
White



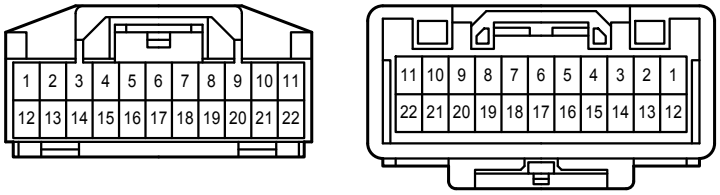
4B
White



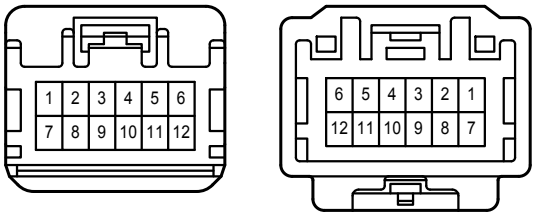
AL1
Blue



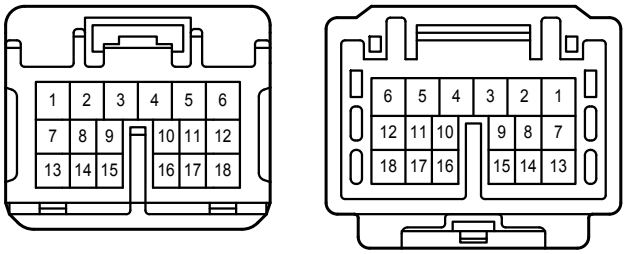
AL2
Gray



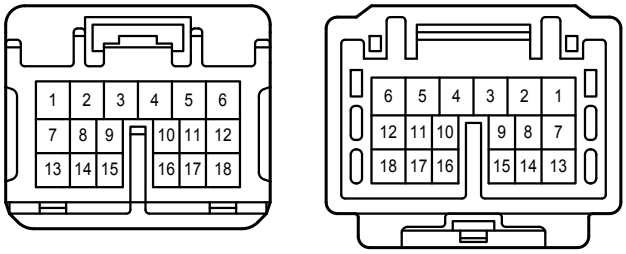
AL3
White



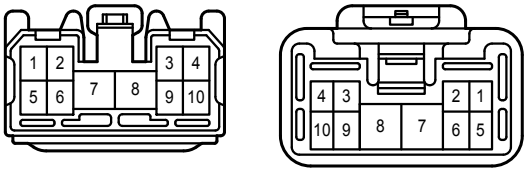
AL4
Black



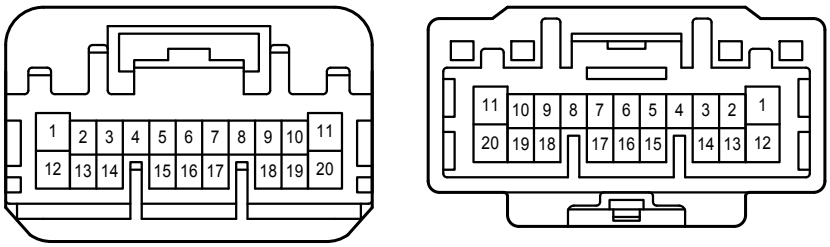
AL8
White



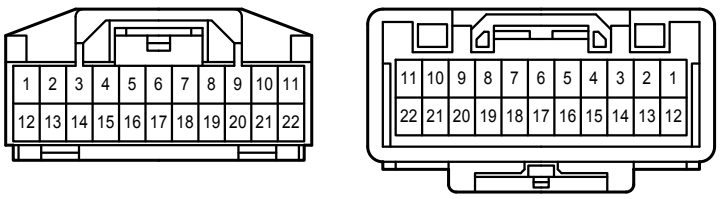
AR1
White

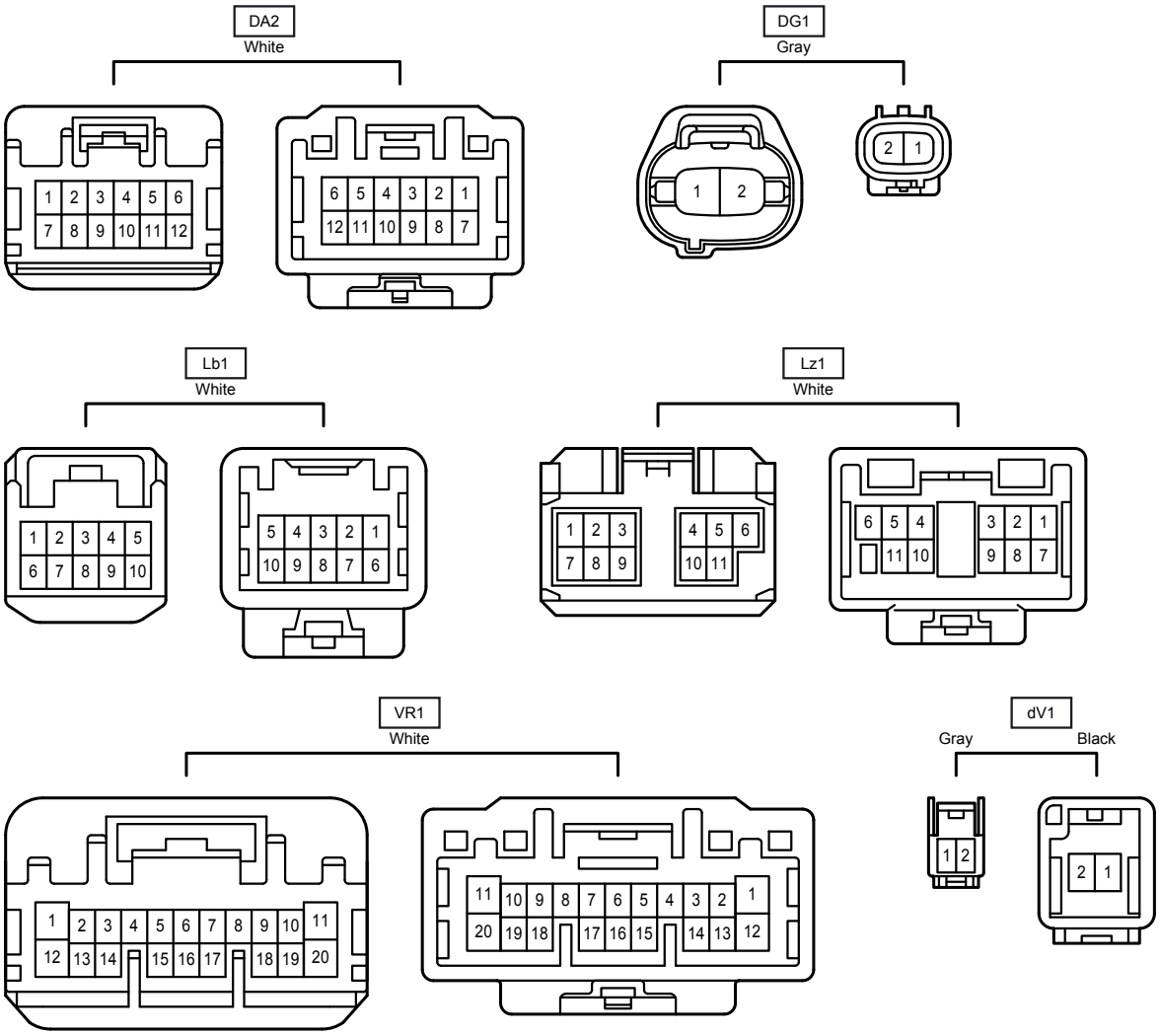


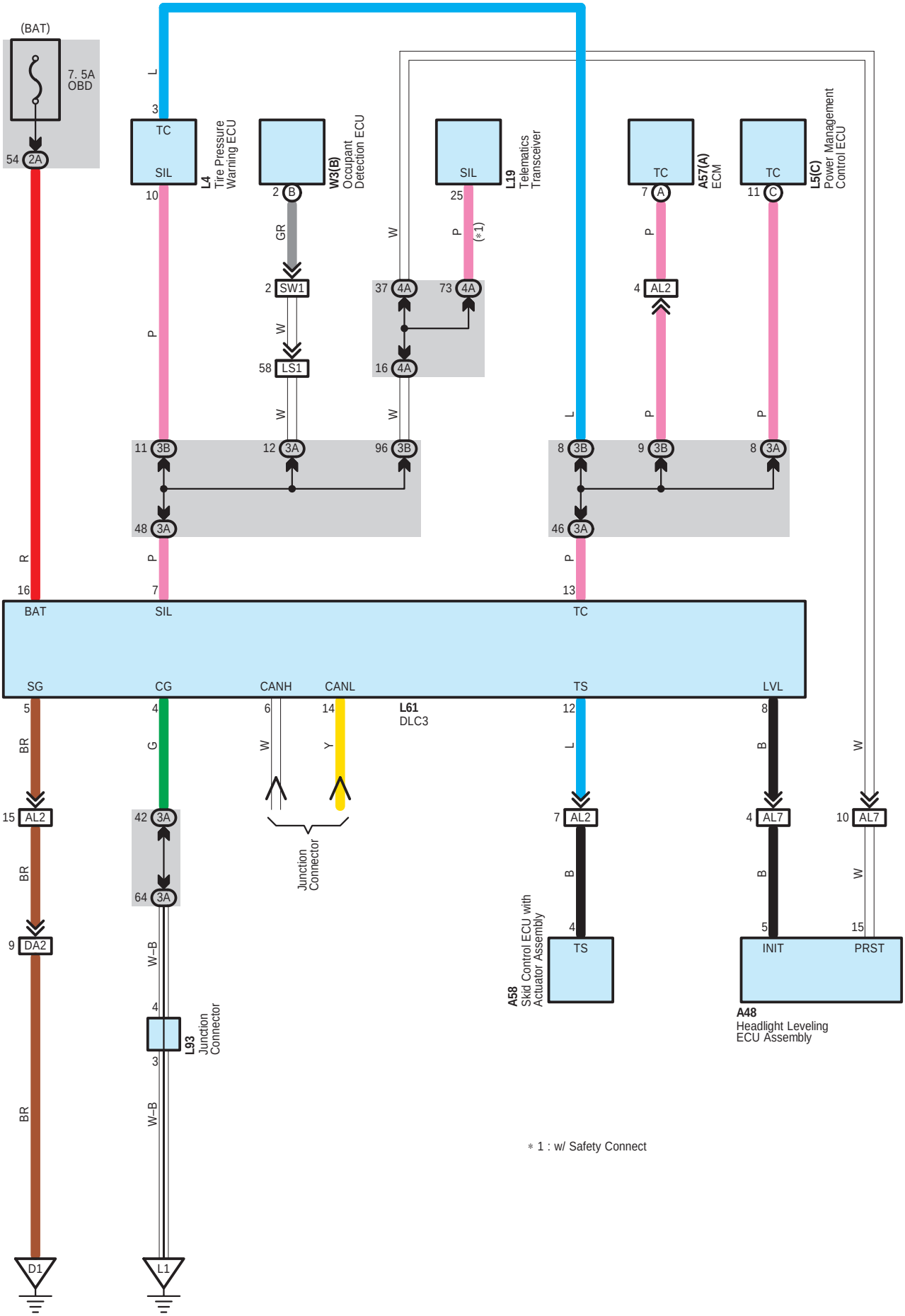
AS1
White



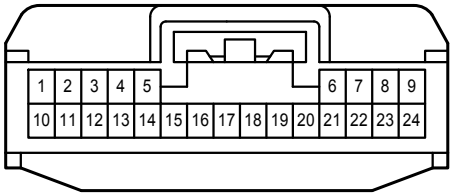
DA1
White



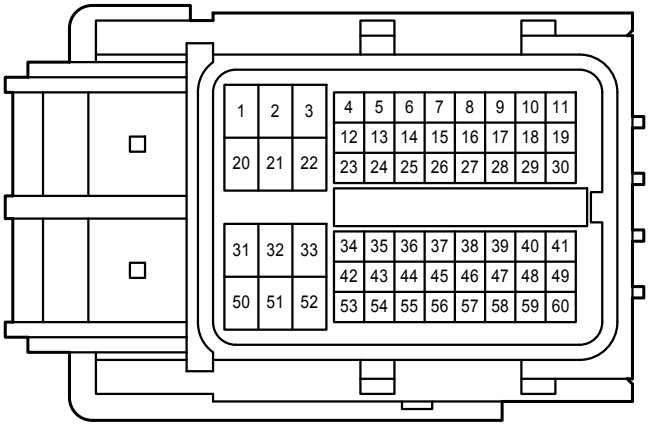

DA2
White
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7
DG1
Gray
1 2
2 1
Lb1
White
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6
Lz1
White
1 2 3
7 8 9
4 5 6
10 11
6 5 4
11 10
3 2 1
9 8 7
VR1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12
dV1
Gray
Black
1 2
2 1


(BAT)
7. 5A
OBD
54 2A
L
3
TC
SIL
10
L4
Tire Pressure
Warning ECU
2 B
W3(B)
Occupant
Detection ECU
GR
2 SW1
W
58 LS1
W
SIL
25
L19
Telematics
Transceiver
P
(*1)
W
37 4A
73 4A
16 4A
W
TC
7 A
A57(A)
ECM
P
4 AL2
P
TC
11 C
L5(C)
Power Management
Control ECU
P
L
11 3B
12 3A
96 3B
48 3A
8 3B
9 3B
8 3A
46 3A
P
P
P
R
16
BAT
P
7
SIL
P
13
TC
SG
CG
CANH
CANL
TS
LVL
5
BR
15 AL2
BR
9 DA2
BR
4
G
42 3A
64 3A
W-B
4
L93
Junction
Connector
3
W-B
6
W
14
Y
Junction
Connector
L61
DLC3
12
L
7 AL2
B
4
TS
A58
Skid Control ECU with
Actuator Assembly
8
B
4 AL7
B
5
INIT
W
10 AL7
W
15
PRST
A48
Headlight Leveling
ECU Assembly
D1
L1
* 1 : w/ Safety Connect

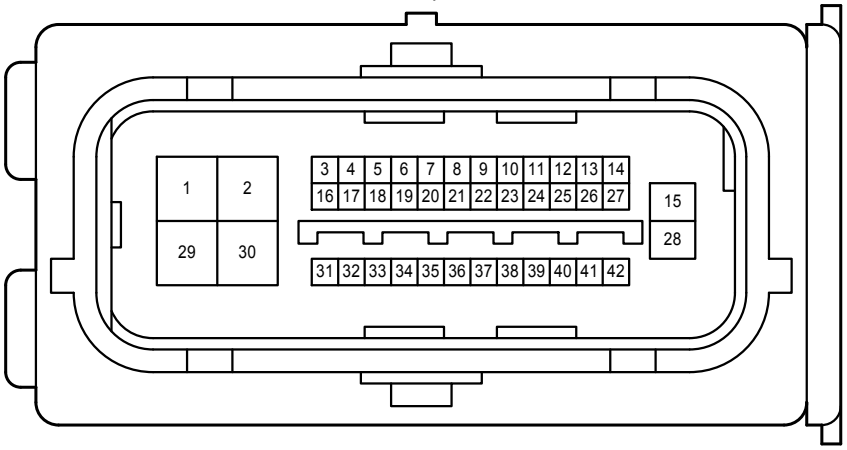
A 48
White



A 57
Black

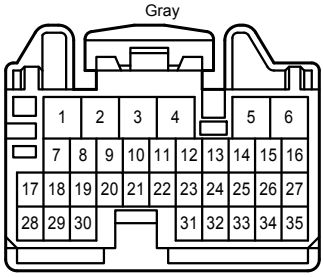


A 58
Gray

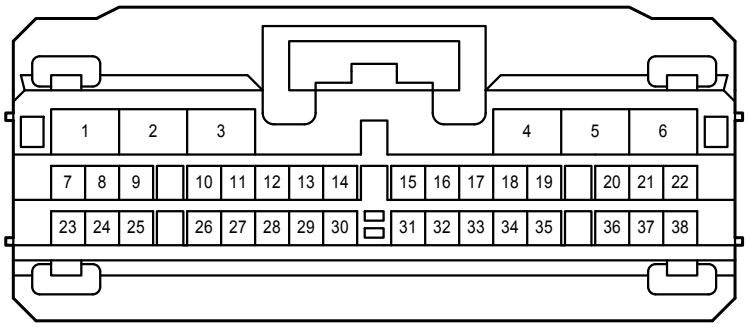


L 4
Black

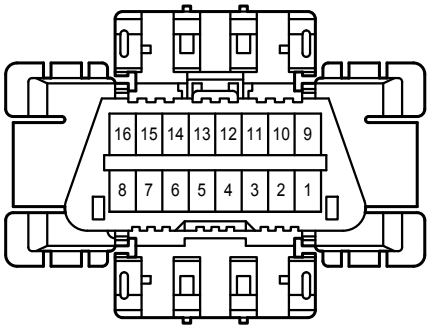
L 5
Gray



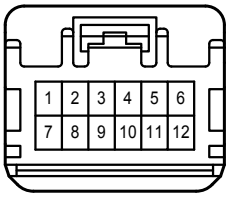
L 19
White



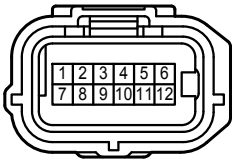
L 61
White



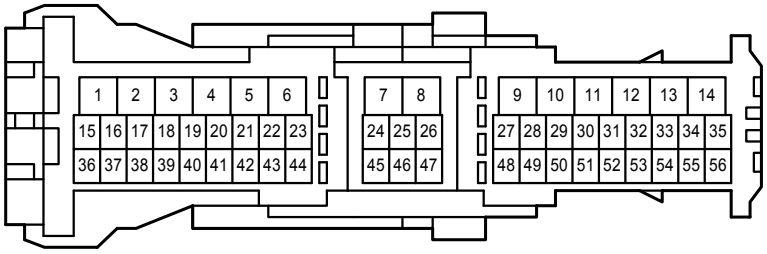
L 93
White



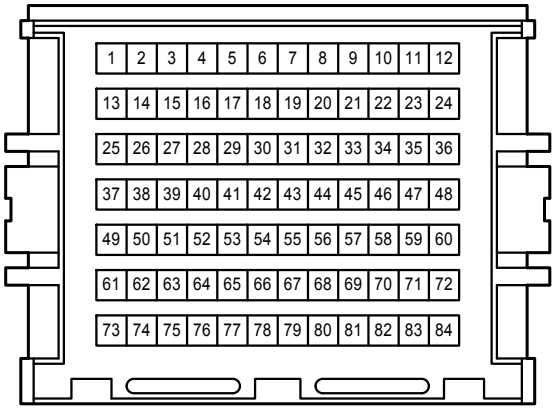
W 3
Black



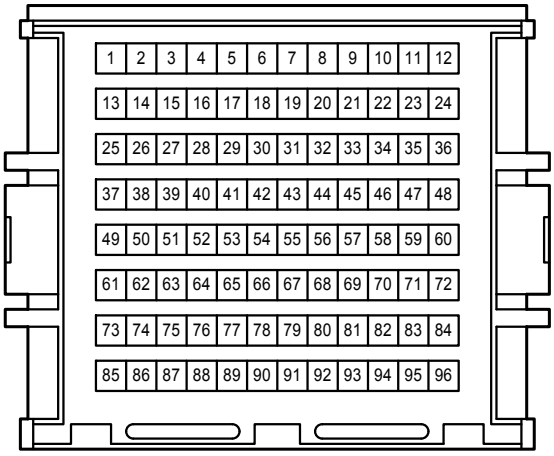
2A
White



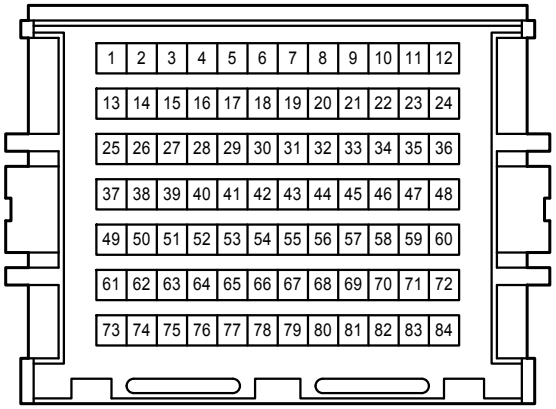
3A
White



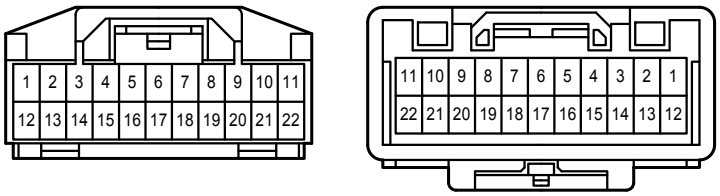
3B
White

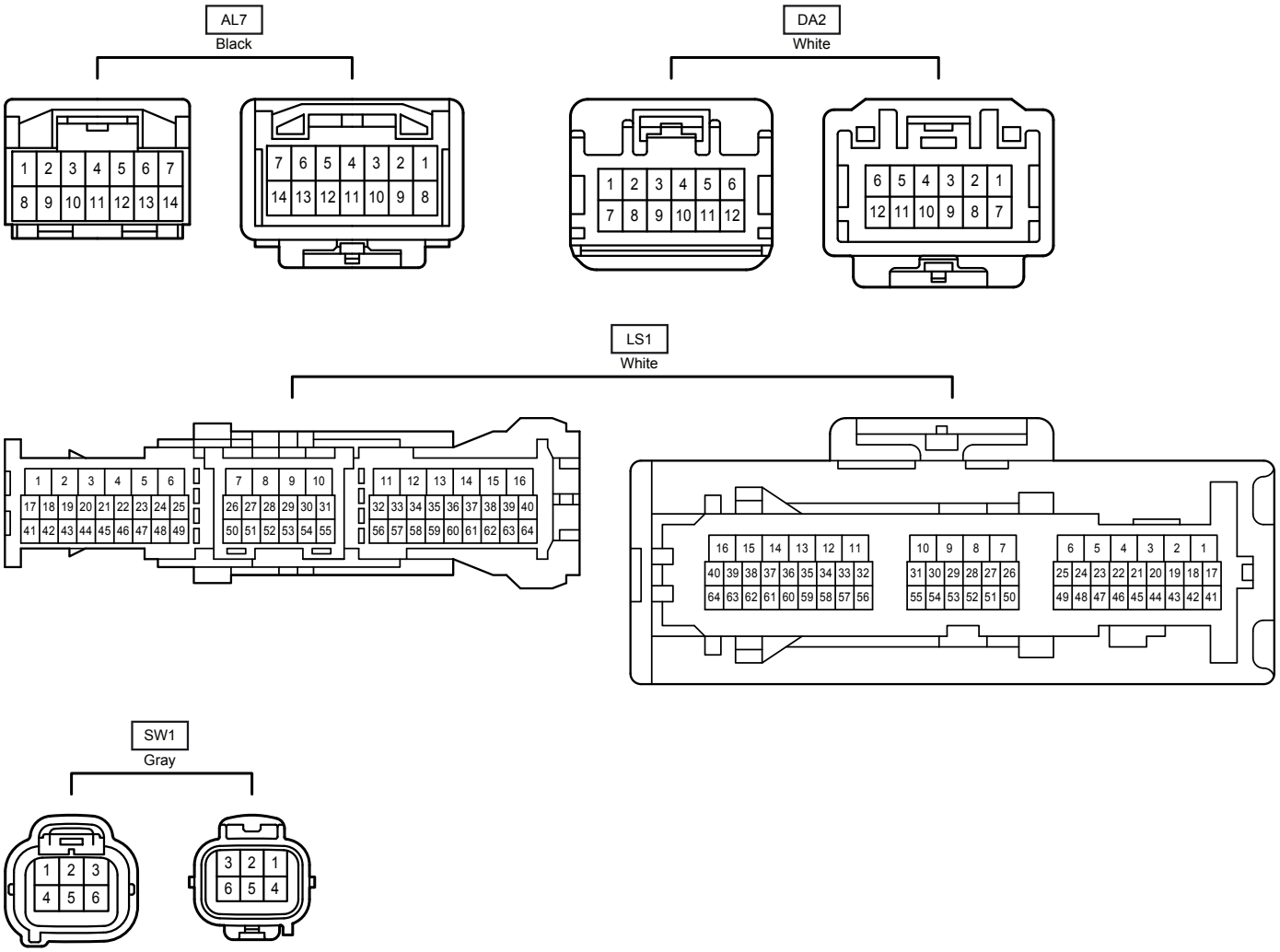


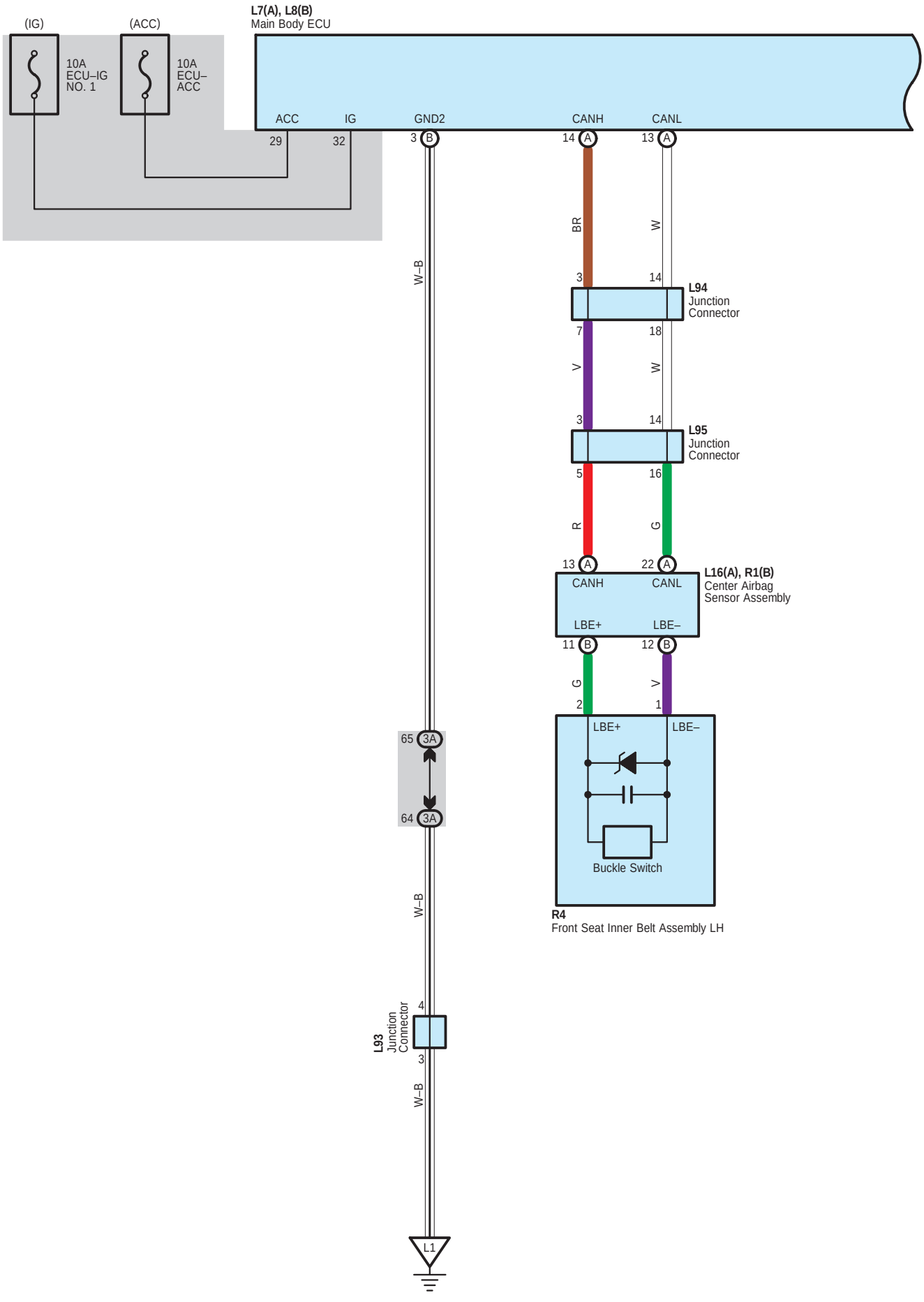
4A
White

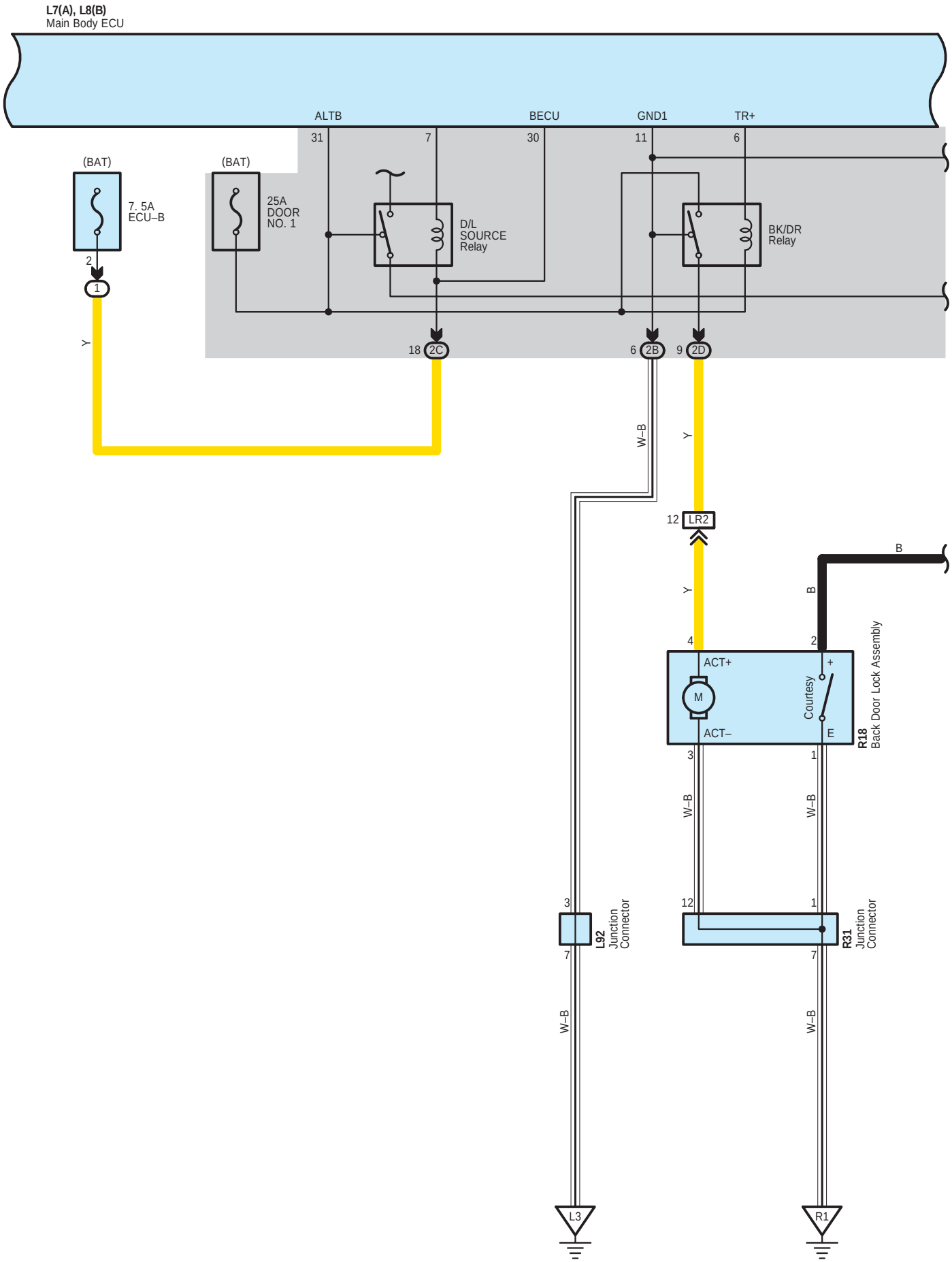


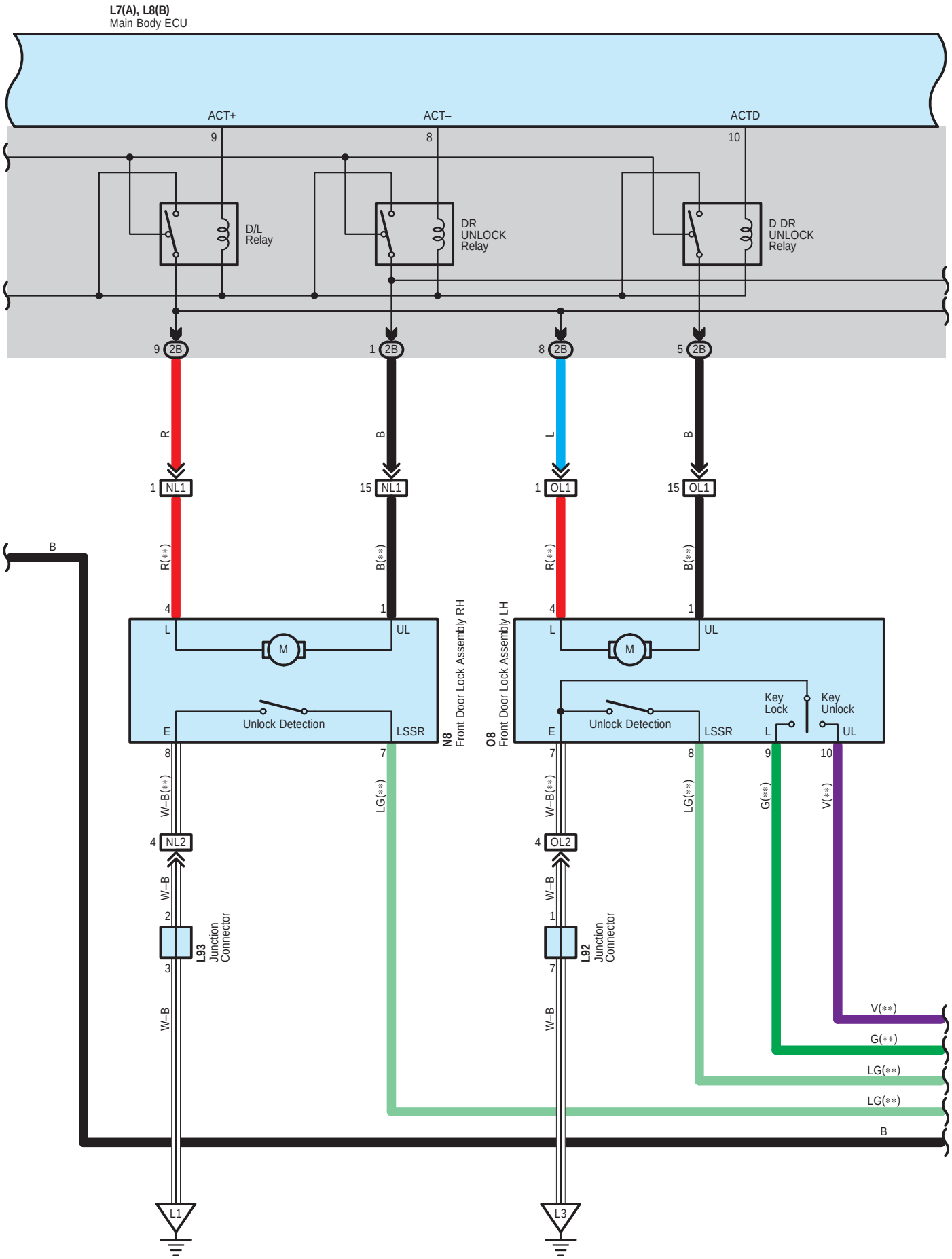
AL2
Gray

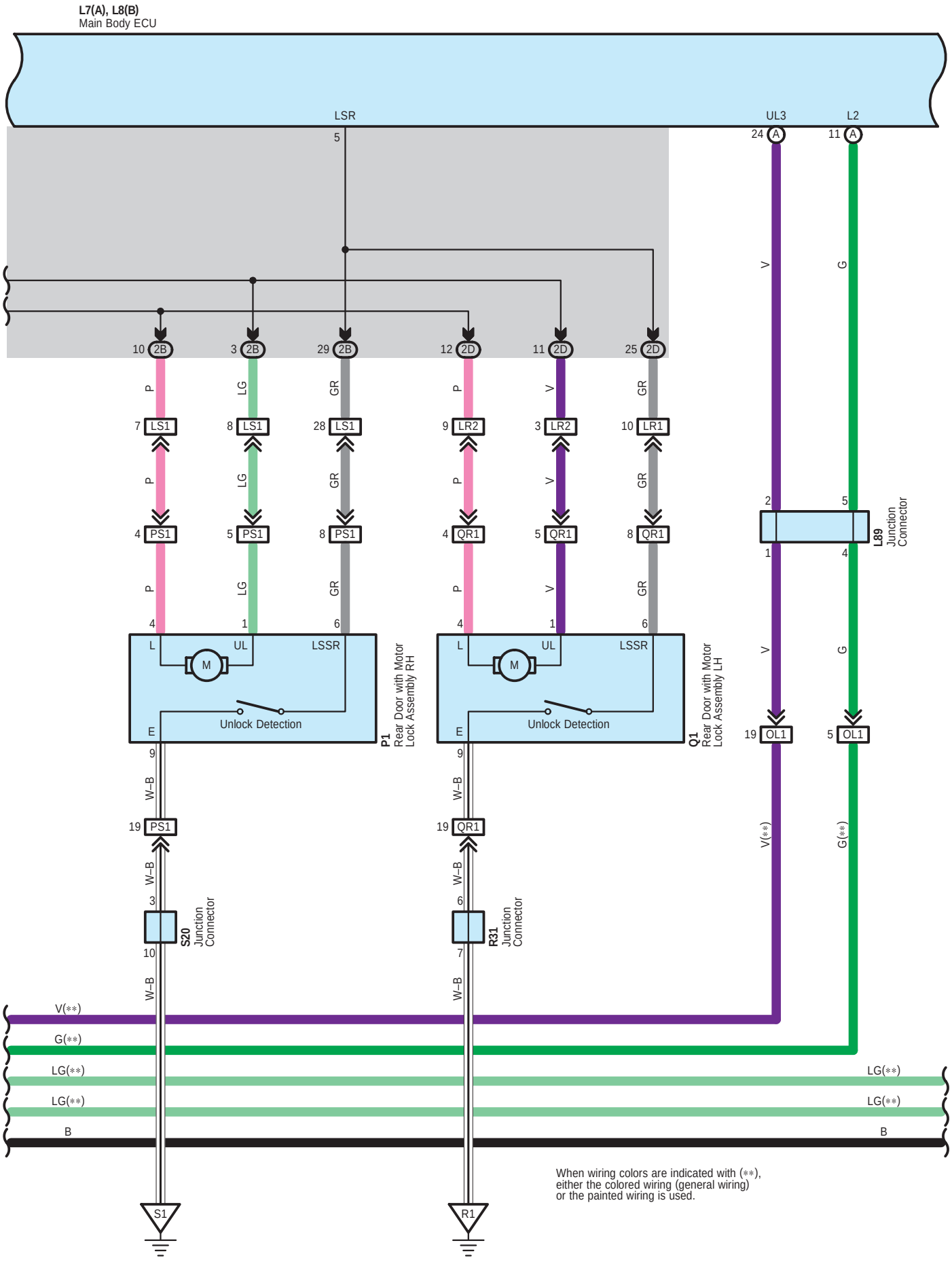


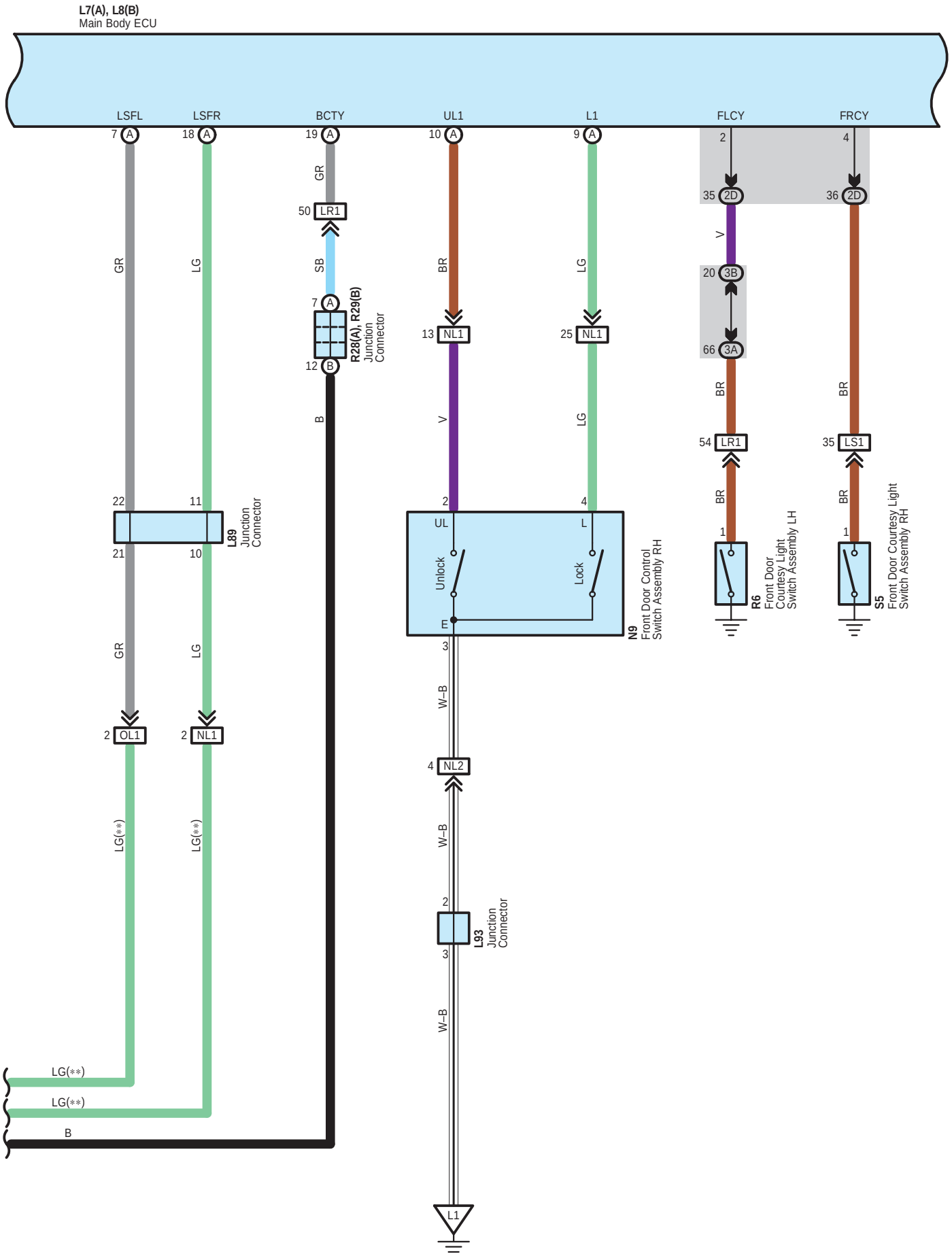

AL7
Black
1 2 3 4 5 6 7
8 9 10 11 12 13 14
7 6 5 4 3 2 1
14 13 12 11 10 9 8
DA2
White
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7
LS1
White
1 2 3 4 5 6
17 18 19 20 21 22 23 24 25
41 42 43 44 45 46 47 48 49
7 8 9 10
26 27 28 29 30 31
50 51 52 53 54 55
11 12 13 14 15 16
32 33 34 35 36 37 38 39 40
56 57 58 59 60 61 62 63 64
16 15 14 13 12 11
40 39 38 37 36 35 34 33 32
64 63 62 61 60 59 58 57 56
10 9 8 7
31 30 29 28 27 26
55 54 53 52 51 50
6 5 4 3 2 1
25 24 23 22 21 20 19 18 17
49 48 47 46 45 44 43 42 41
SW1
Gray
1 2 3
4 5 6
3 2 1
6 5 4

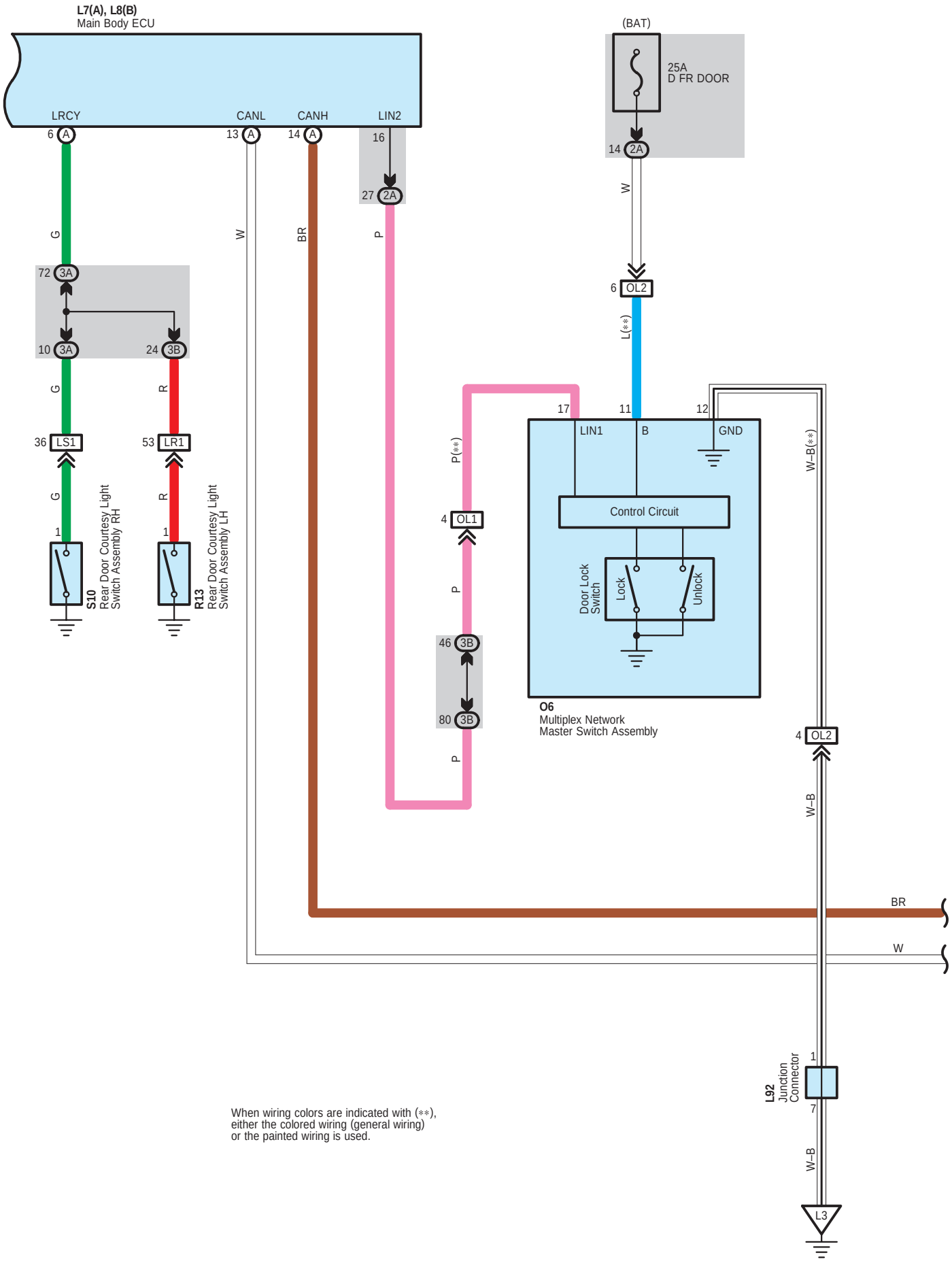

(IG)
(ACC)
10A
ECU–IG
NO. 1
10A
ECU–
ACC
L7(A), L8(B)
Main Body ECU
ACC
IG
GND2
CANH
CANL
29
32
3 B
14 A
13 A
W–B
BR
W
3
14
L94
Junction
Connector
7
18
V
W
3
14
L95
Junction
Connector
5
16
R
G
13 A
22 A
CANH
CANL
L16(A), R1(B)
Center Airbag
Sensor Assembly
LBE+
LBE–
11 B
12 B
G
V
2
1
LBE+
LBE–
65 3A
64 3A
Buckle Switch
R4
Front Seat Inner Belt Assembly LH
W–B
4
L93
Junction
Connector
3
W–B
L1


L7(A), L8(B)
Main Body ECU
ALTB
BECU
GND1
TR+
31
7
30
11
6
(BAT)
(BAT)
7. 5A
ECU–B
25A
DOOR
NO. 1
D/L
SOURCE
Relay
BK/DR
Relay
2
1
Y
18 2C
6 2B
9 2D
W–B
Y
12 LR2
B
Y
B
4
2
ACT+
M
ACT–
Courtesy
+
E
R18
Back Door Lock Assembly
3
1
W–B
W–B
3
12
1
L92
Junction
Connector
R31
Junction
Connector
7
7
W–B
W–B
L3
R1

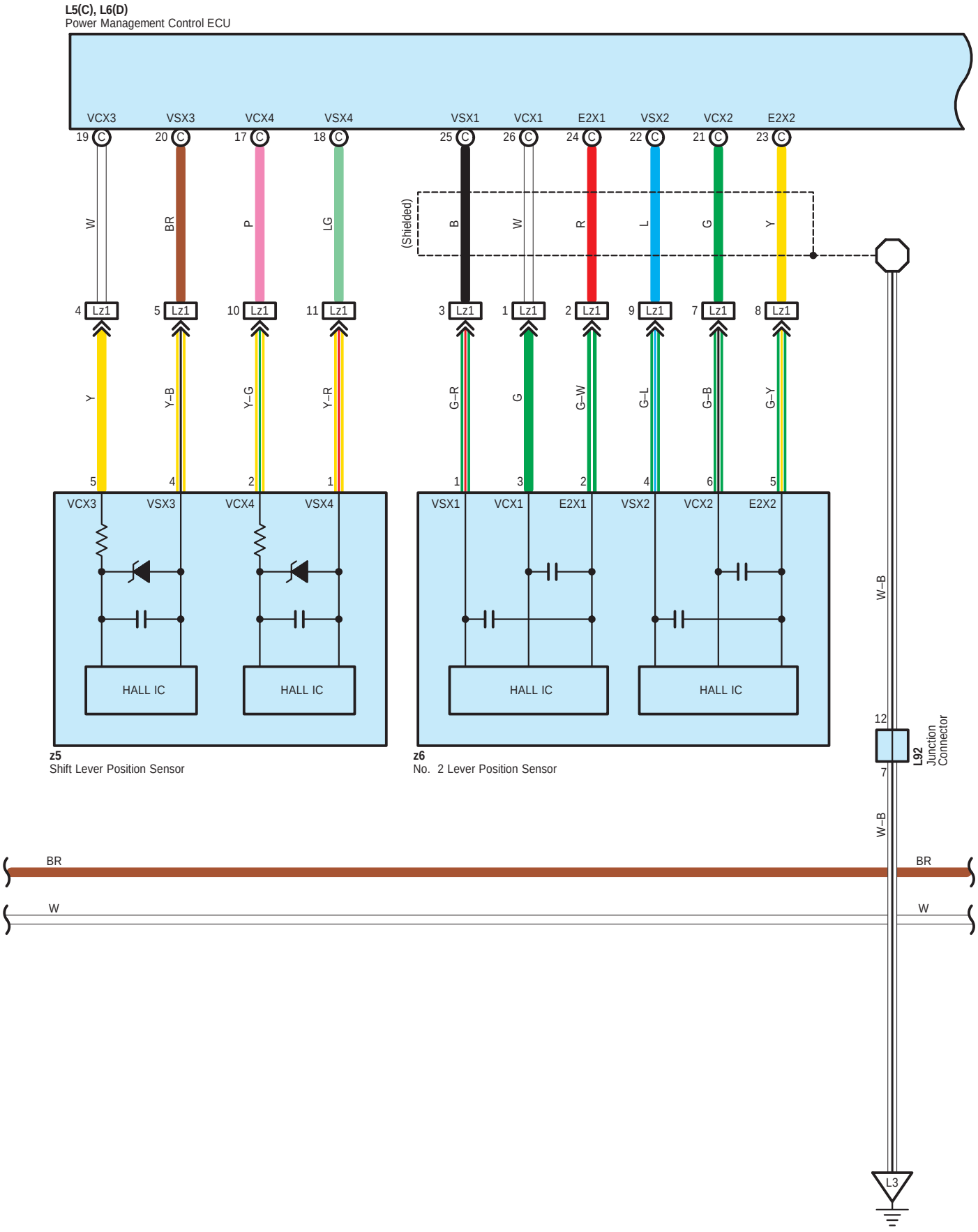

L7(A), L8(B)
Main Body ECU
ACT+
ACT–
ACTD
9
8
10
D/L Relay
DR UNLOCK Relay
D DR UNLOCK Relay
9 2B
1 2B
8 2B
5 2B
R
B
L
B
1 NL1
15 NL1
1 OL1
15 OL1
R(**)
B(**)
R(**)
B(**)
B
4
1
4
1
L
UL
M
Unlock Detection
E
LSSR
N8 Front Door Lock Assembly RH
O8 Front Door Lock Assembly LH
Key Lock
Key Unlock
8
7
7
8
9
10
W–B(**)
LG(**)
W–B(**)
LG(**)
G(**)
V(**)
4 NL2
4 OL2
W–B
W–B
2
1
L93 Junction Connector
L92 Junction Connector
3
7
W–B
W–B
V(**)
G(**)
LG(**)
LG(**)
B
L1
L3

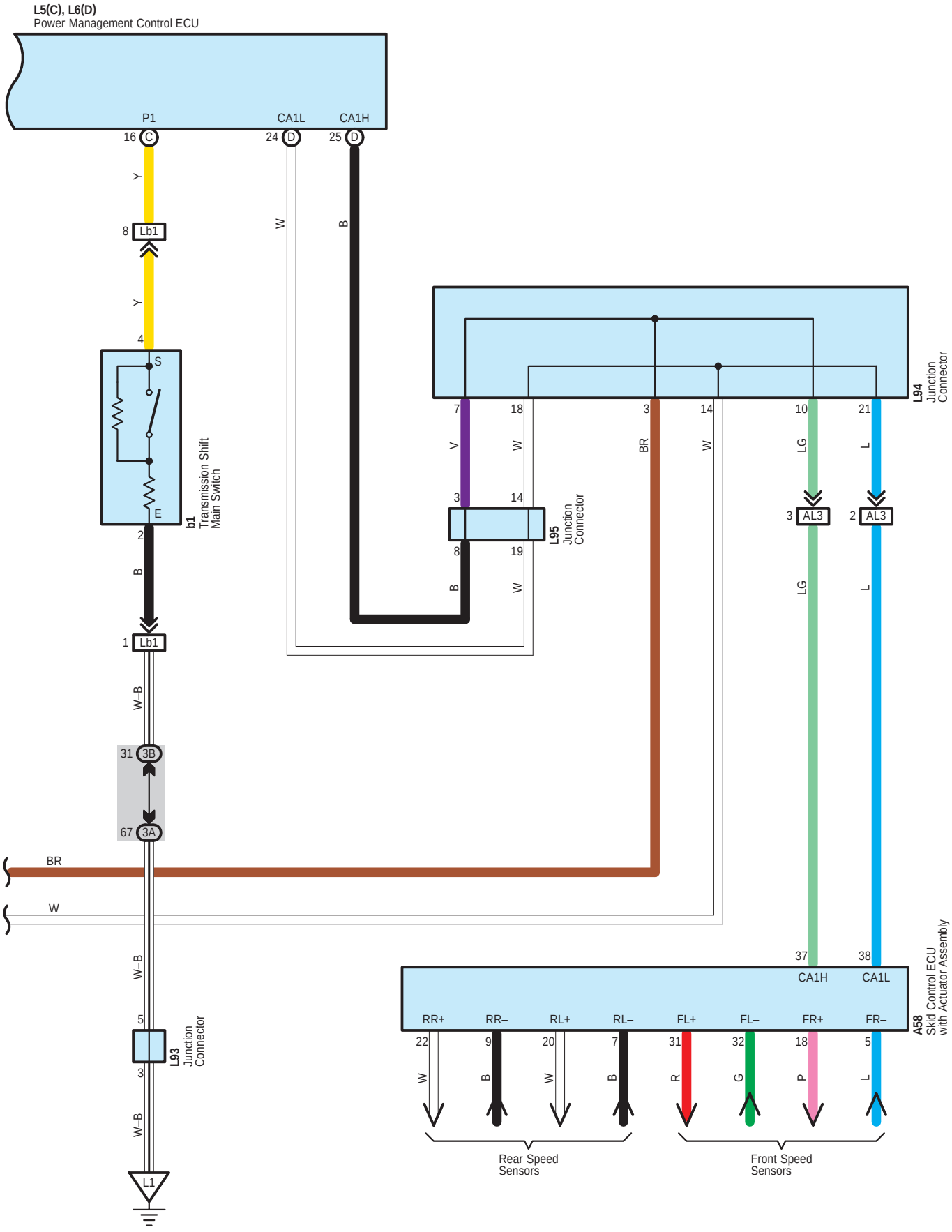

L7(A), L8(B)
Main Body ECU
LSR
5
UL3
24 A
L2
11 A
V
G
10 2B
3 2B
29 2B
12 2D
11 2D
25 2D
P
LG
GR
P
V
GR
7 LS1
8 LS1
28 LS1
9 LR2
3 LR2
10 LR1
P
LG
GR
P
V
GR
4 PS1
5 PS1
8 PS1
4 QR1
5 QR1
8 QR1
2
5
L89
Junction Connector
1
4
P
LG
GR
P
V
GR
4
1
6
4
1
6
L
UL
LSSR
M
Unlock Detection
E
P1
Rear Door with Motor Lock Assembly RH
L
UL
LSSR
M
Unlock Detection
E
Q1
Rear Door with Motor Lock Assembly LH
V
G
19 OL1
5 OL1
9
W-B
19 PS1
9
W-B
19 QR1
V(**)
G(**)
W-B
3
S20
Junction Connector
W-B
6
R31
Junction Connector
10
W-B
7
W-B
V(**)
G(**)
LG(**)
LG(**)
B
LG(**)
LG(**)
B
When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.
S1
R1


L7(A), L8(B)
Main Body ECU
LSFL
LSFR
BCTY
UL1
L1
FLCY
FRCY
7 A
18 A
19 A
10 A
9 A
2
4
35 2D
36 2D
GR
LG
SB
BR
V
LG
50 LR1
7 A
12 B
R28(A), R29(B)
Junction Connector
B
13 NL1
25 NL1
20 3B
66 3A
54 LR1
35 LS1
22
11
21
10
L89
Junction Connector
2
4
UL
L
Unlock
Lock
E
N9
Front Door Control Switch Assembly RH
R6
Front Door Courtesy Light Switch Assembly LH
S5
Front Door Courtesy Light Switch Assembly RH
2 OL1
2 NL1
3
W-B
4 NL2
2
3
L93
Junction Connector
LG(**)
LG(**)
B
L1

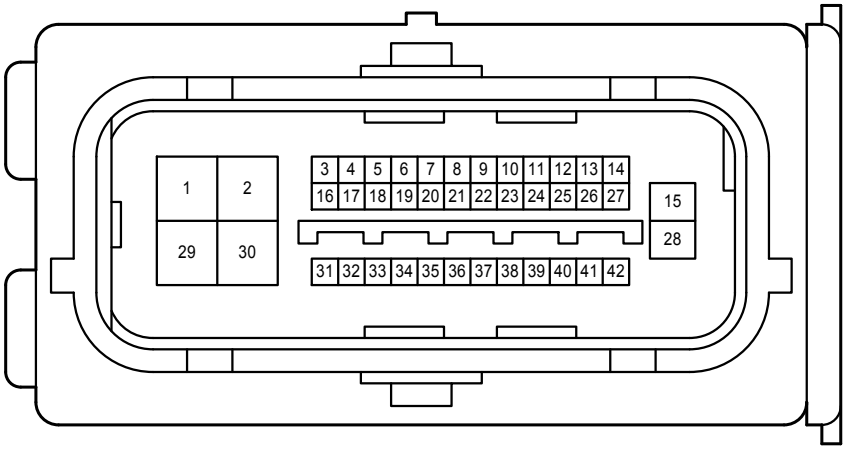


When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

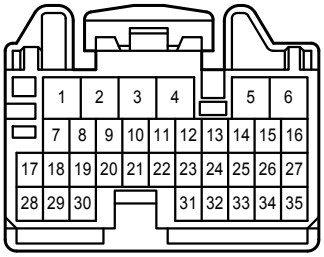

L5(C), L6(D)
Power Management Control ECU
VCX3
VSX3
VCX4
VSX4
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
19
20
17
18
25
26
24
22
21
23
W
BR
P
LG
(Shielded)
B
W
R
L
G
Y
4
5
10
11
3
1
2
9
7
8
Lz1
Y
Y–B
Y–G
Y–R
G–R
G
G–W
G–L
G–B
G–Y
5
4
2
1
1
3
2
4
6
5
HALL IC
HALL IC
HALL IC
HALL IC
z5
Shift Lever Position Sensor
z6
No. 2 Lever Position Sensor
W–B
12
7
L92
Junction Connector
W–B
BR
BR
W
W
L3


L5(C), L6(D)
Power Management Control ECU
P1
CA1L
CA1H
16 C
24 D
25 D
Y
8 Lb1
Y
4
S
E
b1
Transmission Shift
Main Switch
2
B
1 Lb1
W–B
31 3B
67 3A
BR
W
W–B
5
L93
Junction
Connector
3
W–B
L1
W
B
L94
Junction
Connector
7
18
3
14
10
21
V
W
BR
W
LG
L
3
14
L95
Junction
Connector
8
19
B
W
3 AL3
2 AL3
LG
L
37
38
CA1H
CA1L
A58
Skid Control ECU
with Actuator Assembly
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
22
9
20
7
31
32
18
5
W
B
W
B
R
G
P
L
Rear Speed
Sensors
Front Speed
Sensors

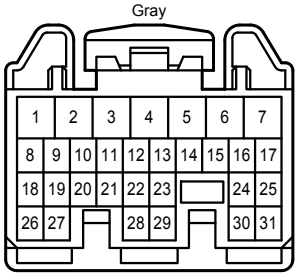
A 58
Gray



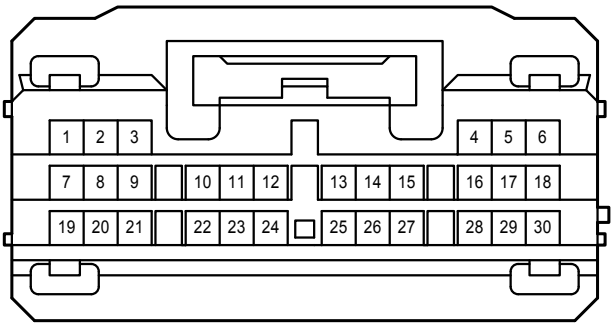
L 5
Gray



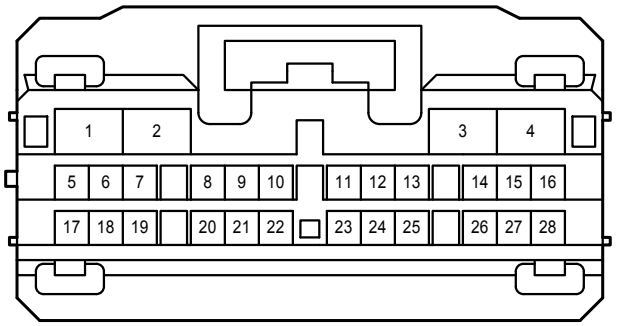
L 6
Gray



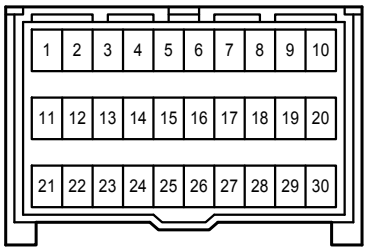
L 7
White



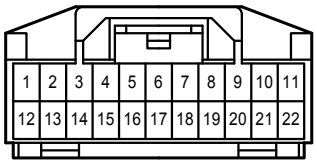
L 8
White



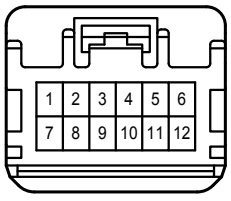
L 16
Yellow



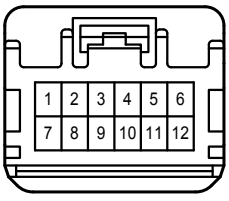
L 89
Black



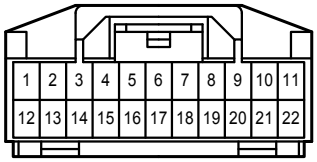
L 92
White



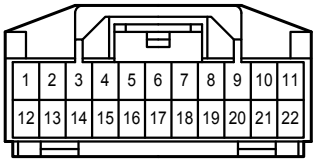
L 93
White



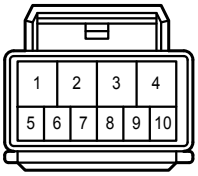
L 94
White



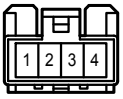
L 95
White



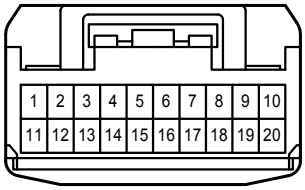
N 8
White



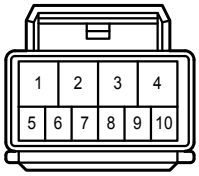
N 9
White



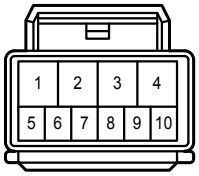
O 6
White



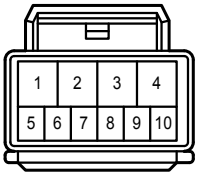
O 8
White



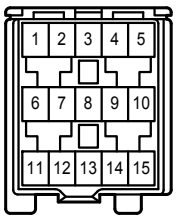
P 1
White



Q 1
White



R 1
Yellow

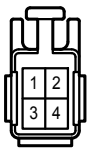


R 4
White

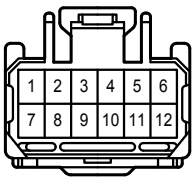
R 6
Black

R 13
Black

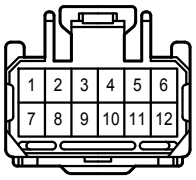
R 18
White



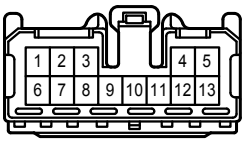
R 28
White



R 29
White



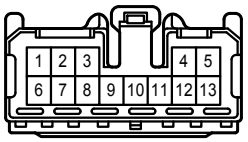
R 31
White



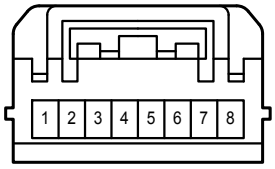
S 5
Black

S 10
Black

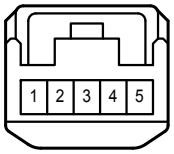
S 20
White



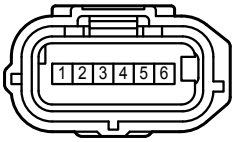
b 1
White



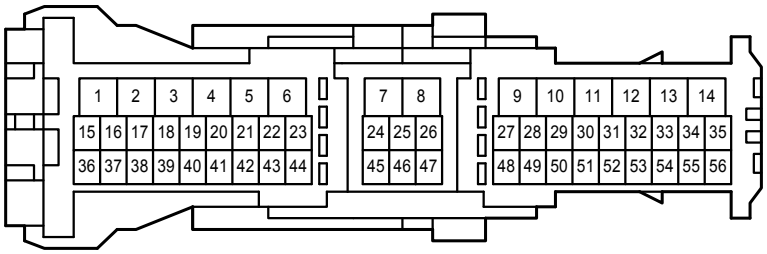
z 5
White



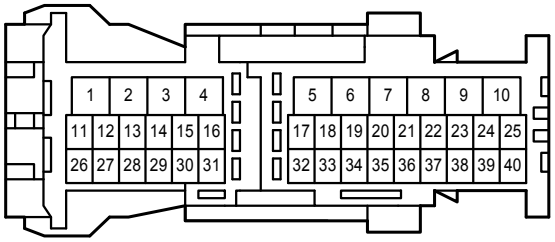
z 6
White



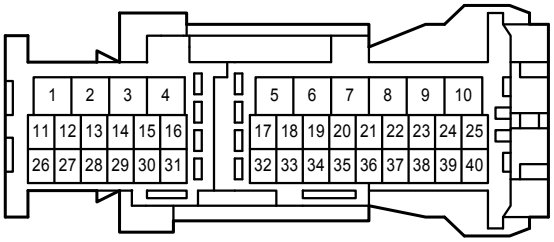
2A
White



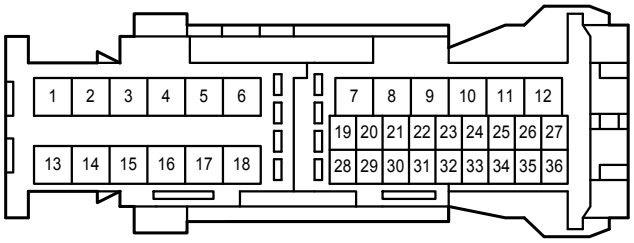
2B
White



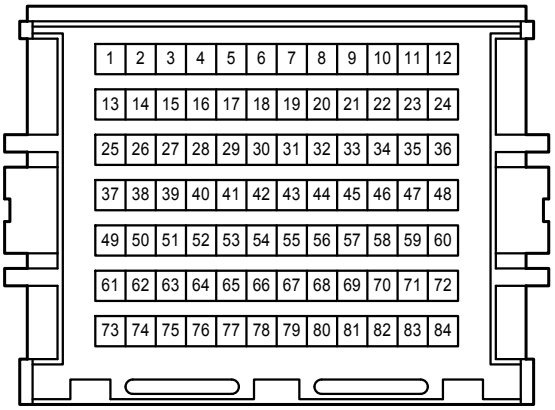
2C
White



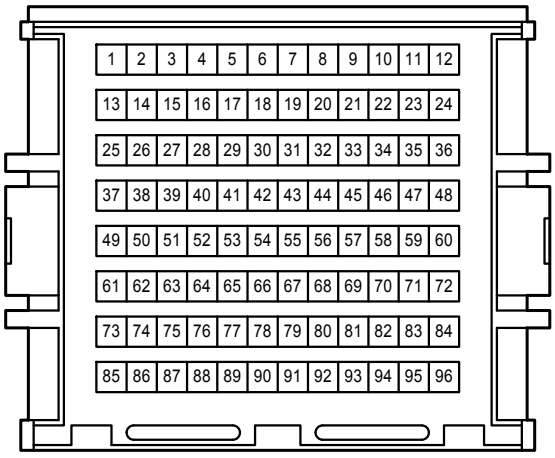
2D
White



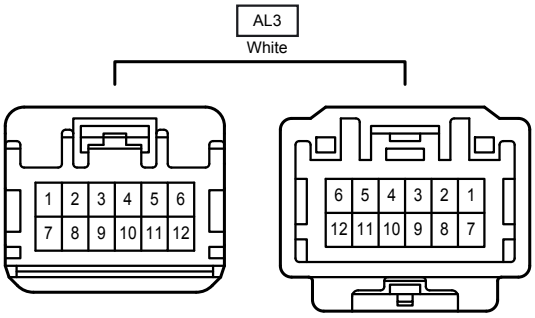
3A
White



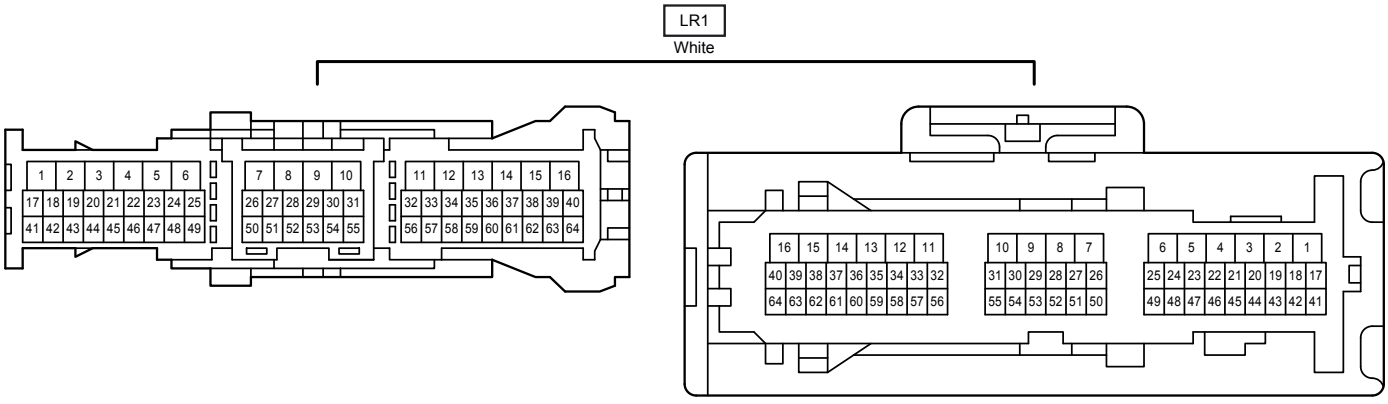
3B
White



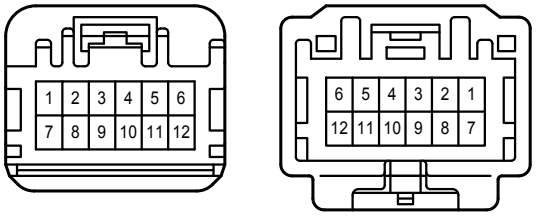
AL3
White



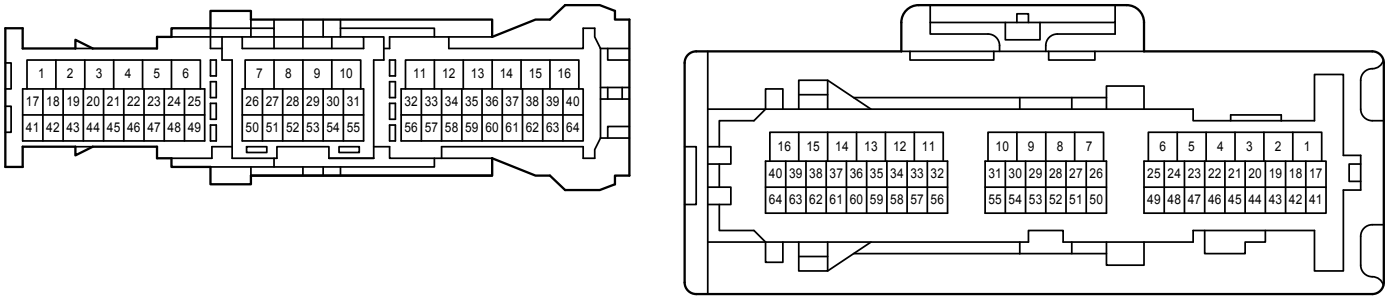
LR1
White



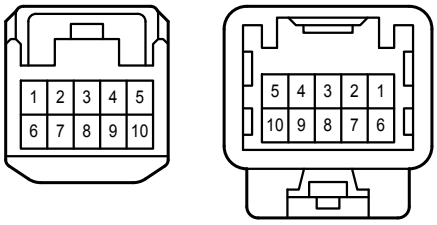
LR2
Black



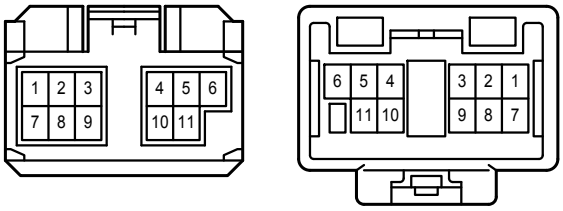
LS1
White



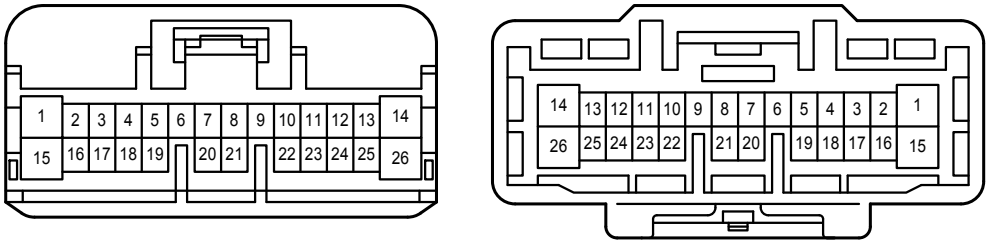
Lb1
White



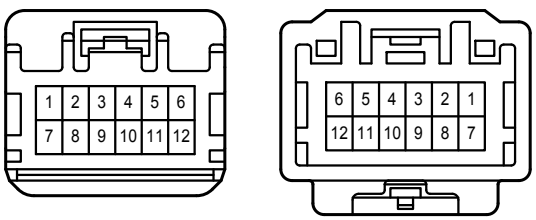
Lz1
White



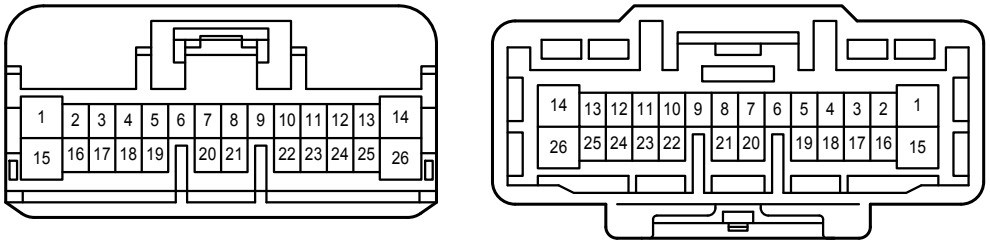
NL1
White



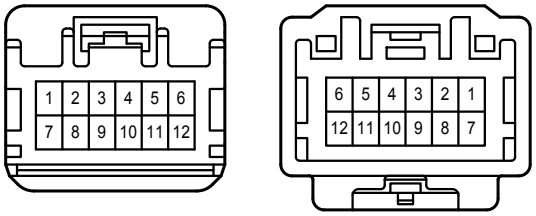
NL2
White



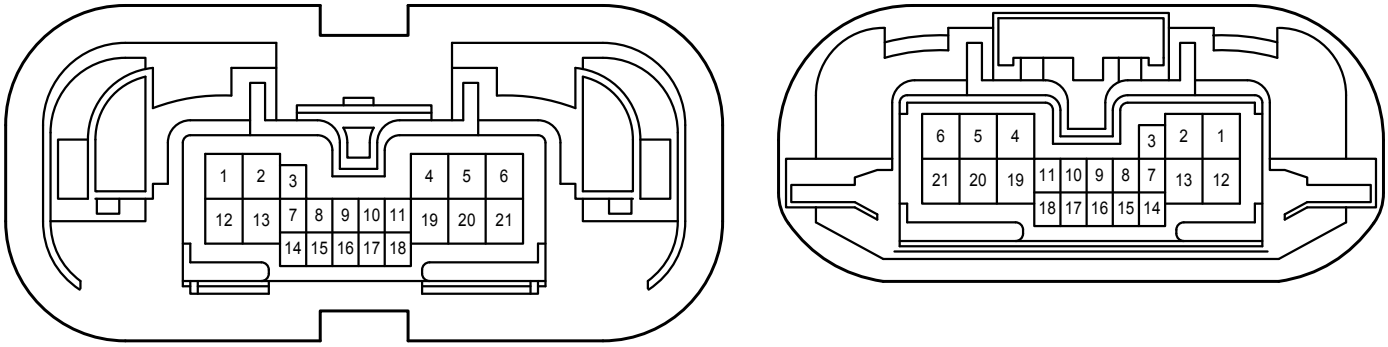
OL1
White



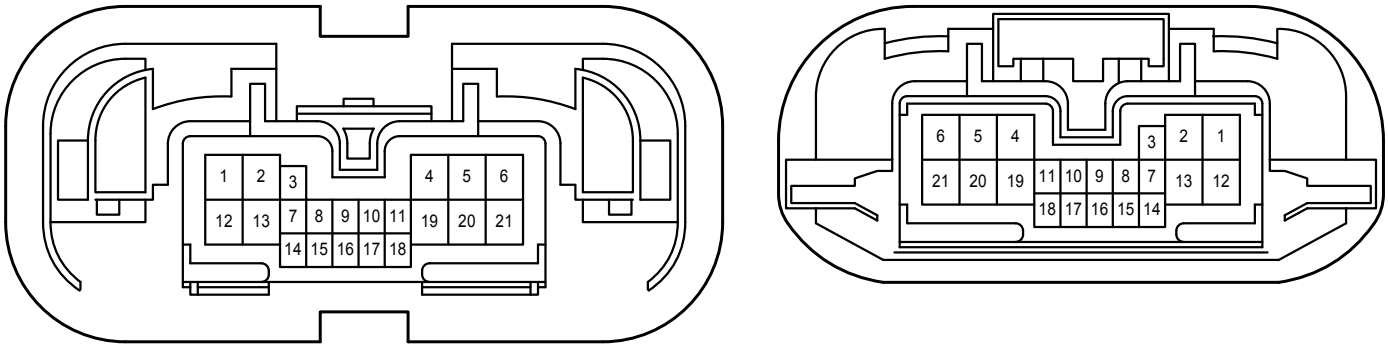
OL2
White

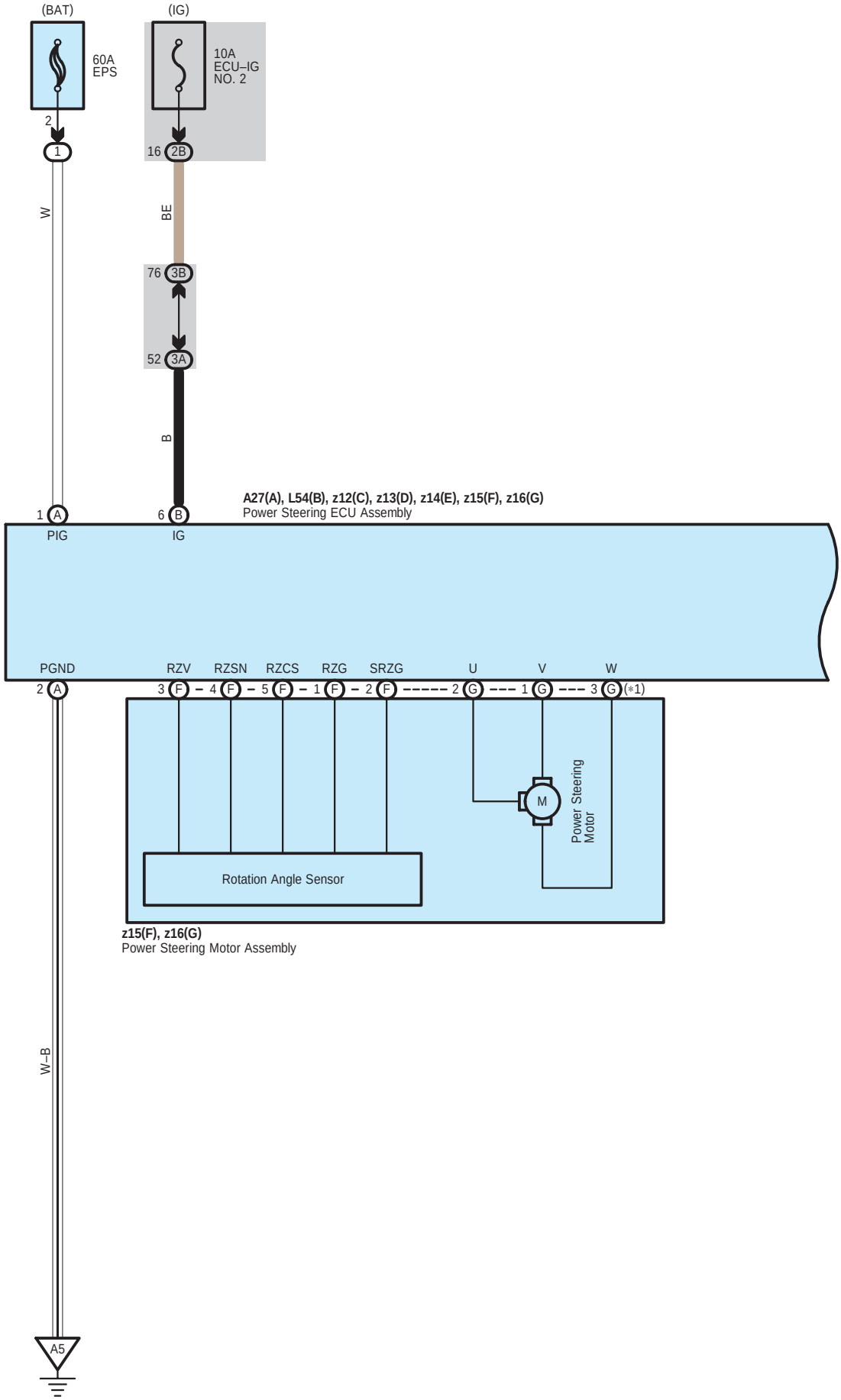


PS1
White

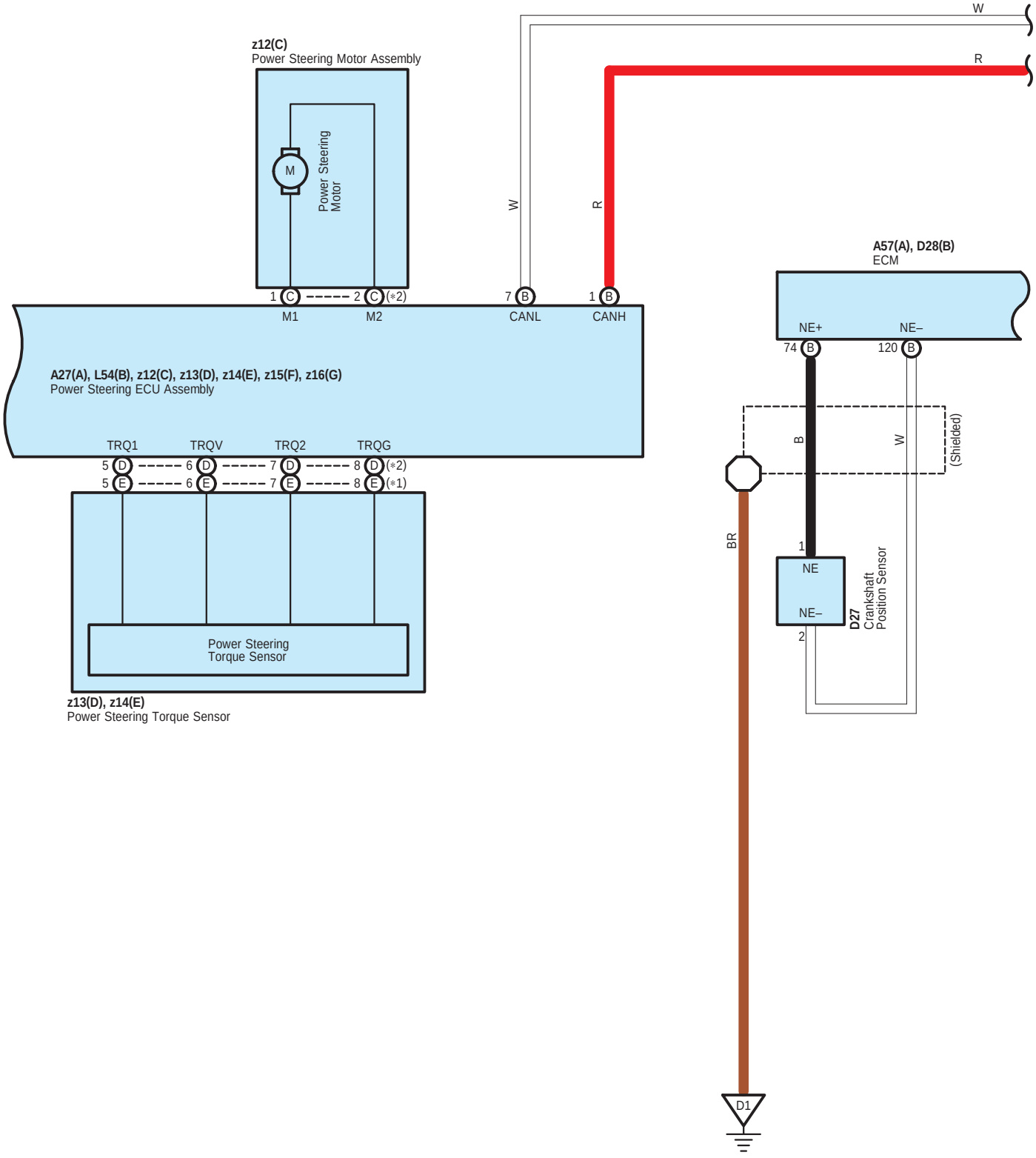


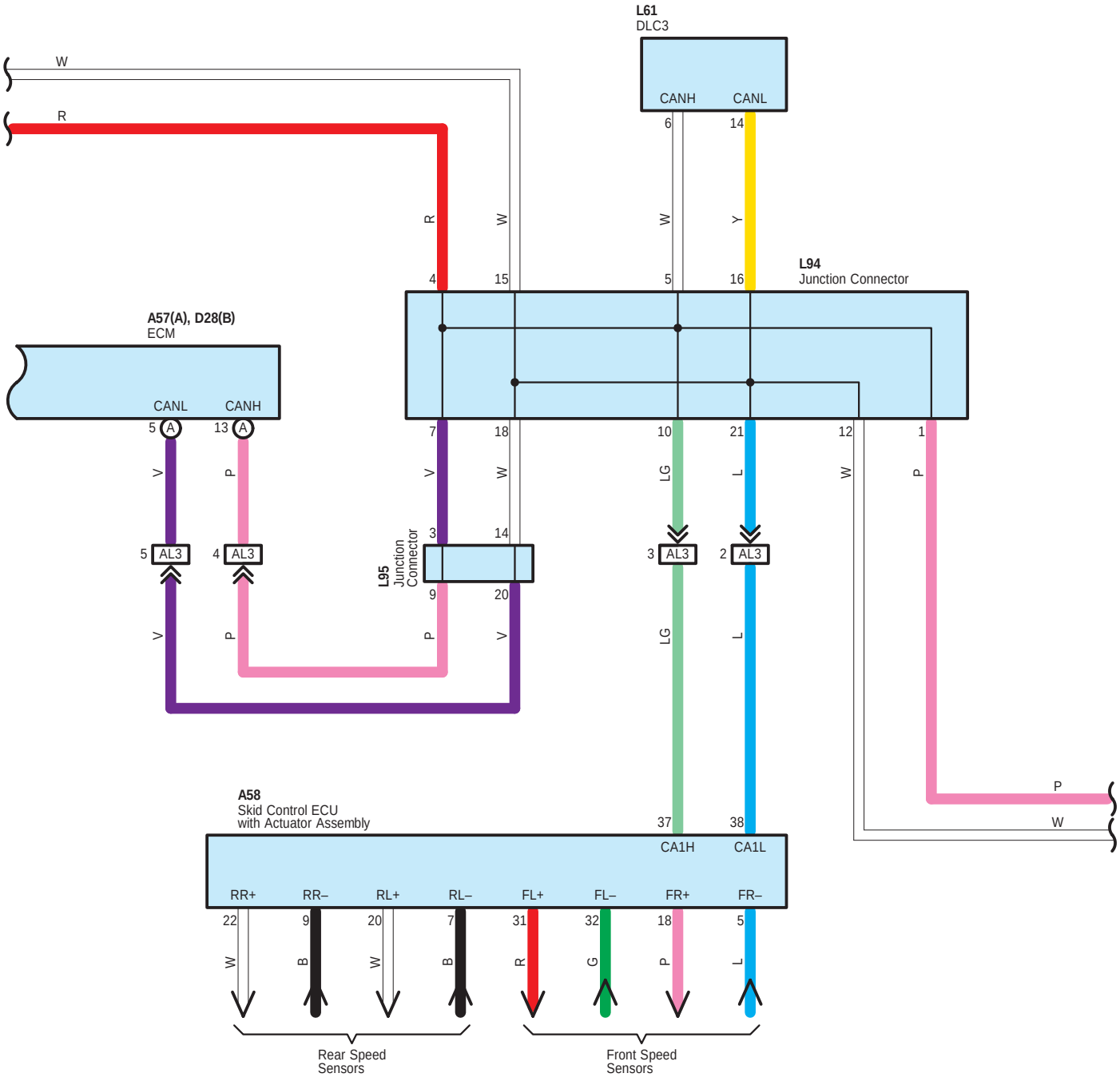
QR1
White

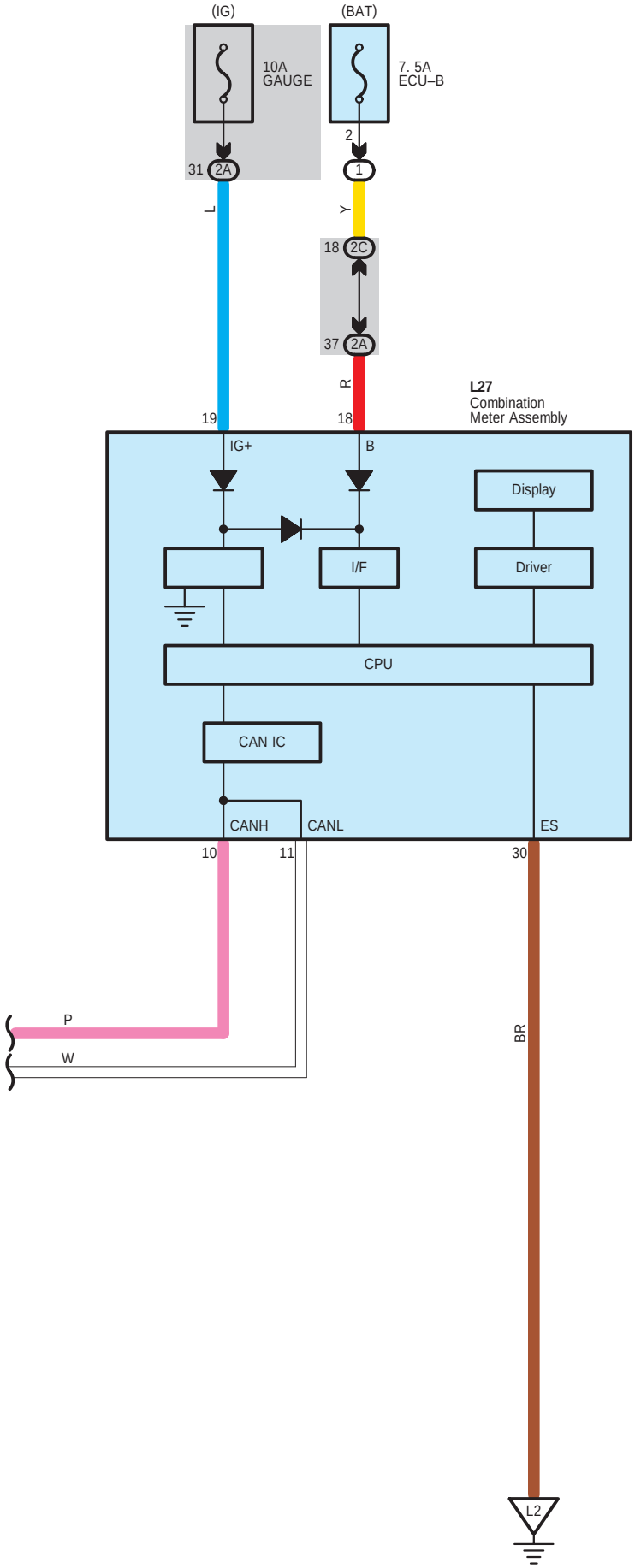



(BAT)
(IG)
60A
EPS
10A
ECU–IG
NO. 2
2
1
16
2B
W
BE
76
3B
52
3A
B
1
A
PIG
6
B
IG
A27(A), L54(B), z12(C), z13(D), z14(E), z15(F), z16(G)
Power Steering ECU Assembly
PGND
RZV
RZSN
RZCS
RZG
SRZG
U
V
W
2
A
3
F
4
5
1
2
2
G
1
G
3
G
(*1)
M
Power Steering
Motor
Rotation Angle Sensor
z15(F), z16(G)
Power Steering Motor Assembly
W–B
A5

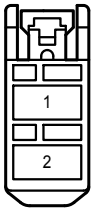
∗ 1 : w/ Rotation Angle Sensor
∗ 2 : w/o Rotation Angle Sensor



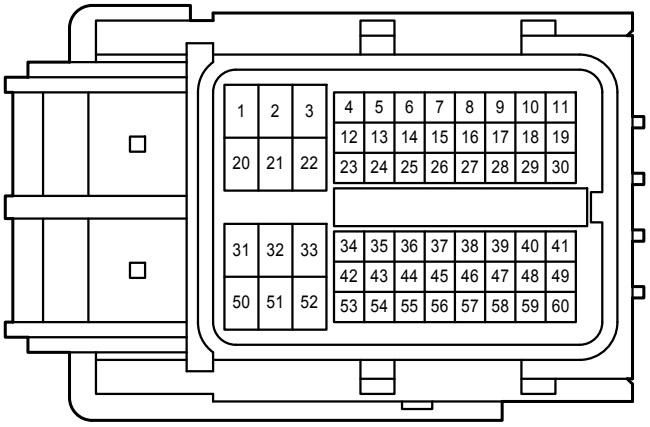

L61
DLC3
CANH
CANL
6
14
W
R
W
Y
4
15
5
16
L94
Junction Connector
A57(A), D28(B)
ECM
CANL
CANH
5
13
V
P
7
18
V
W
10
21
LG
L
12
1
W
P
5
AL3
4
AL3
3
14
L95
Junction
Connector
9
20
3
AL3
2
AL3
V
P
P
V
LG
L
P
W
A58
Skid Control ECU
with Actuator Assembly
37
38
CA1H
CA1L
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
22
9
20
7
31
32
18
5
W
B
W
B
R
G
P
L
Rear Speed
Sensors
Front Speed
Sensors


(IG)
(BAT)
10A
GAUGE
7. 5A
ECU–B
2
31
2A
1
L
Y
18
2C
37
2A
R
L27
Combination
Meter Assembly
19
18
IG+
B
Display
I/F
Driver
CPU
CAN IC
CANH
CANL
ES
10
11
30
P
W
BR
L2

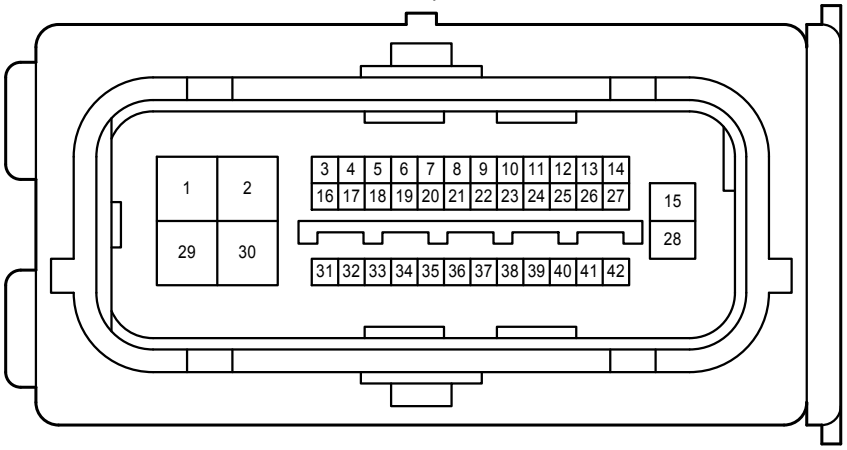
A 27
Gray



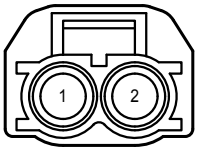
A 57
Black



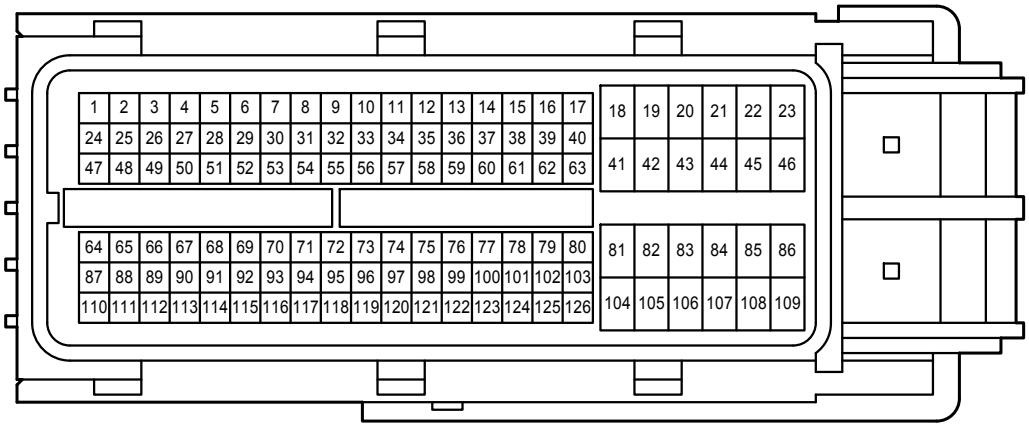
A 58
Gray



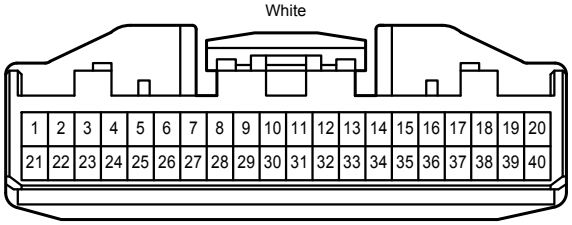
D 27
Black



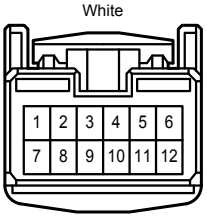
D 28
Black



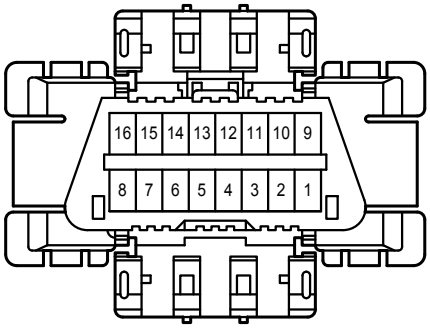
L 27
White



L 54
White



L 61
White



L 94
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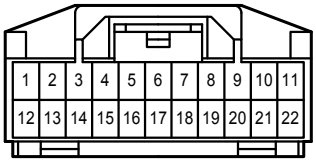
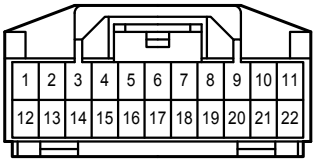
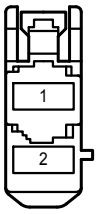


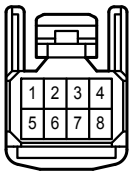
L 95
White



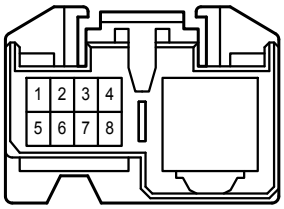
z 12
White



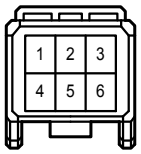
z 13
Black



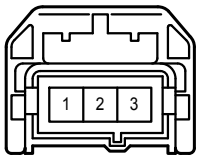
z 14
White



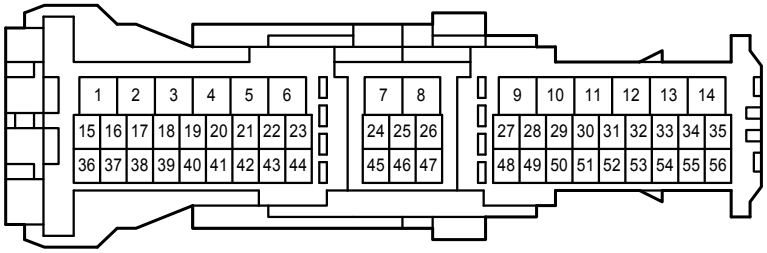
z 15
White



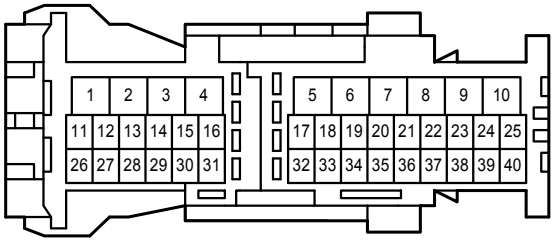
z 16
White



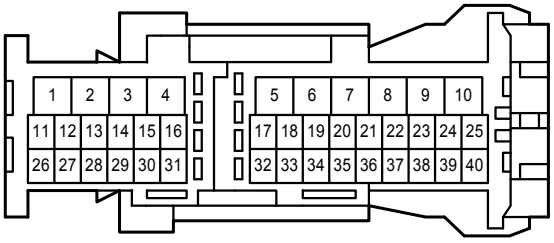
2A
White



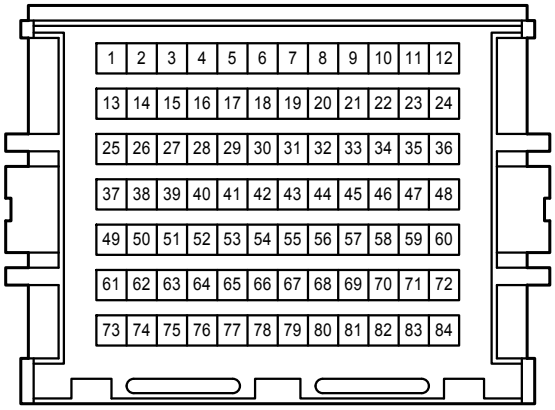
2B
White



2C
White



3A
White



3B
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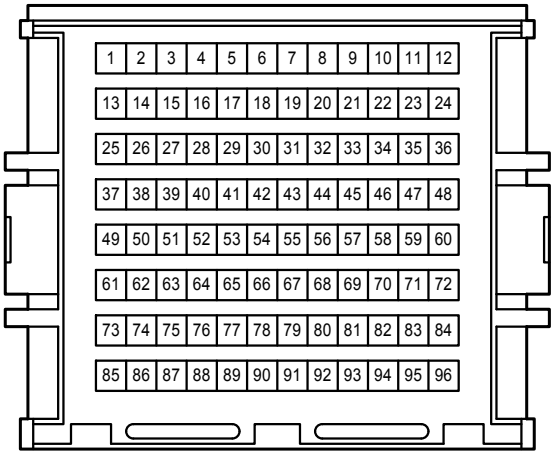
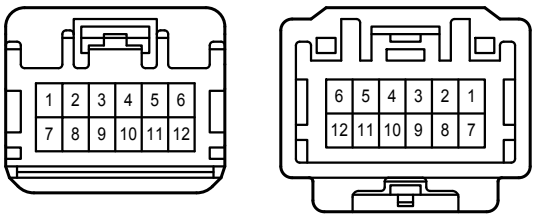
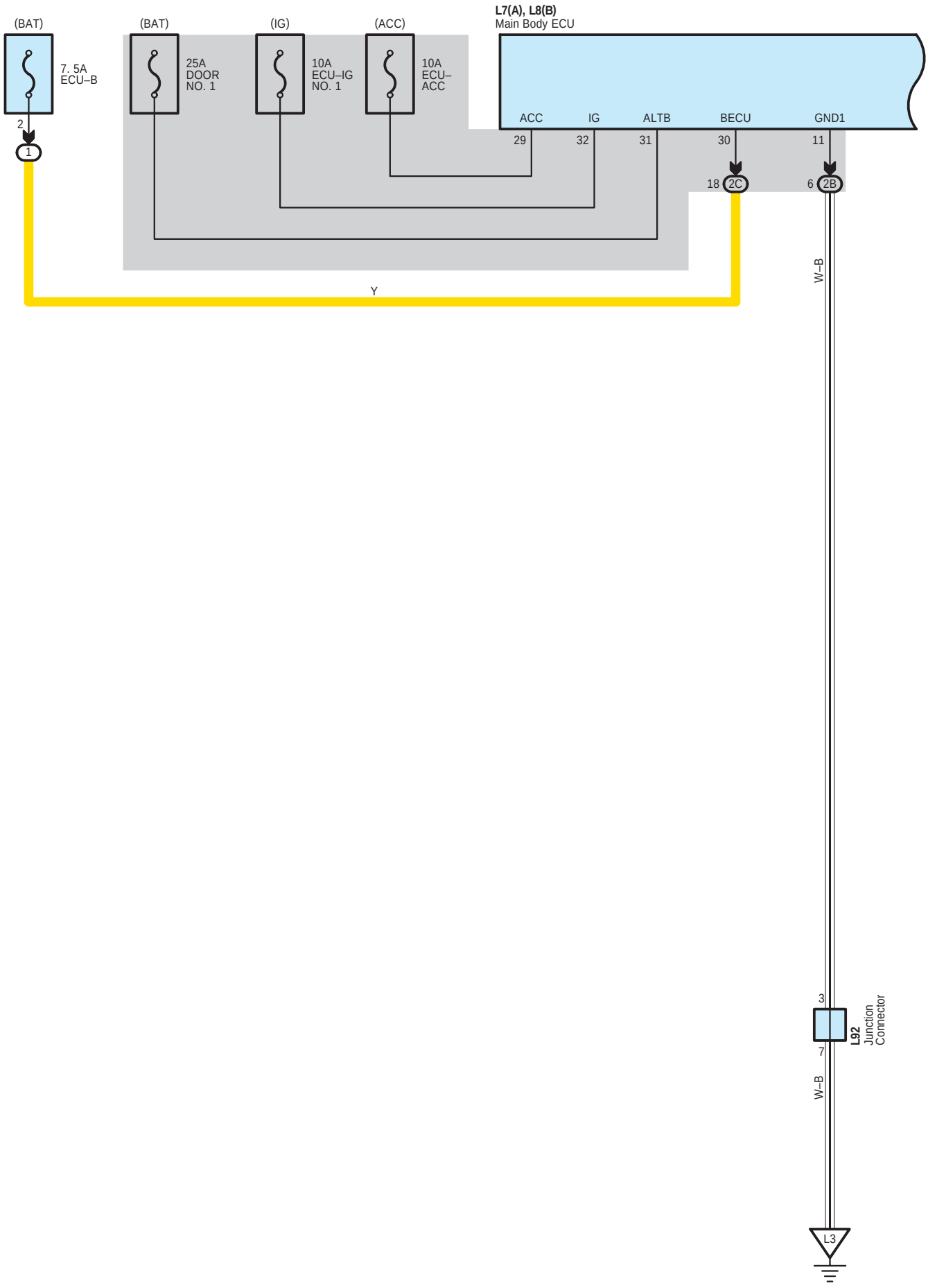
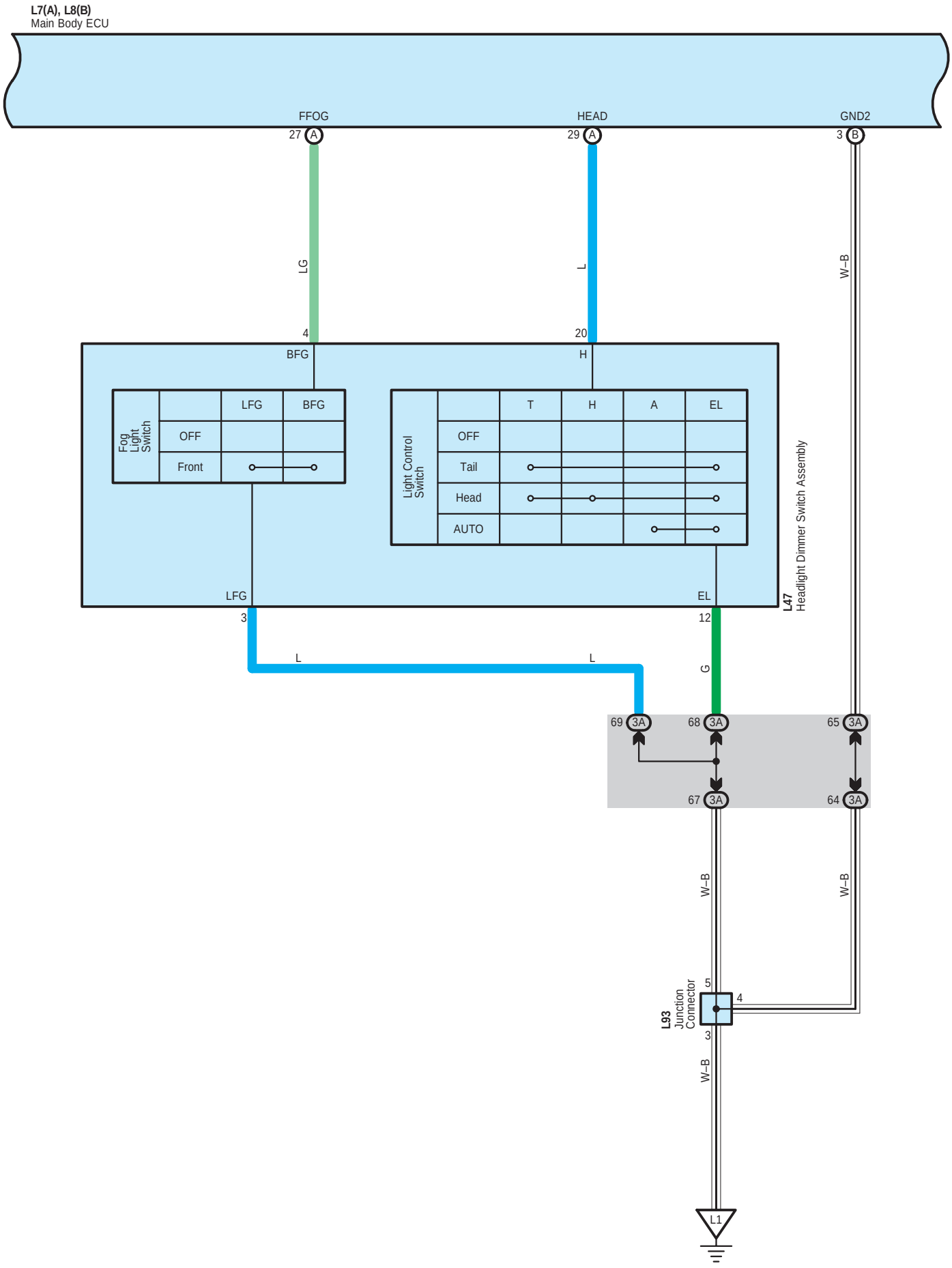
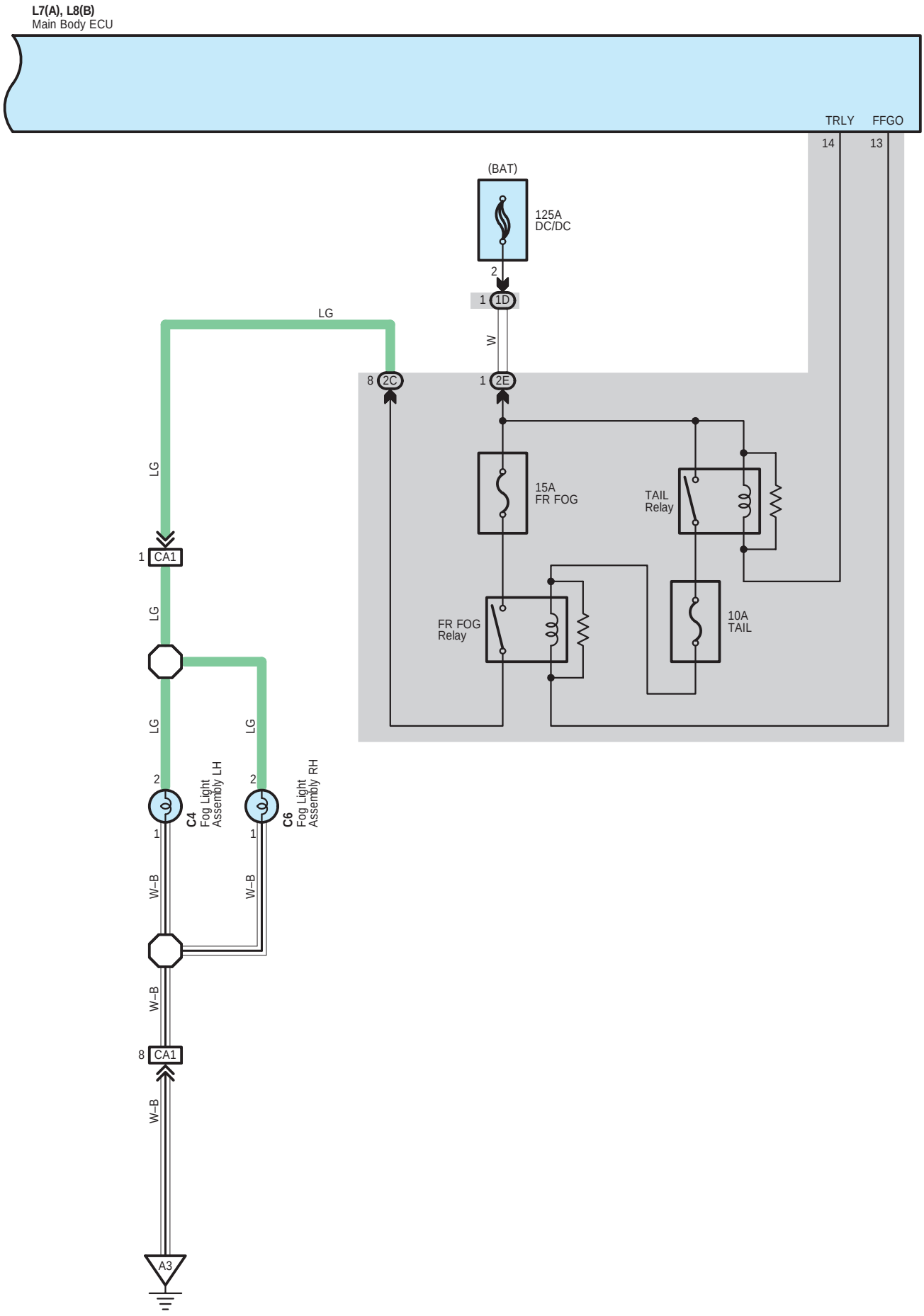


AL3
White

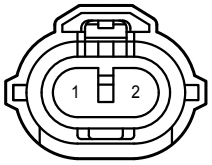



(BAT)
7. 5A
ECU–B
2
1
(BAT)
25A
DOOR
NO. 1
(IG)
10A
ECU–IG
NO. 1
(ACC)
10A
ECU–
ACC
L7(A), L8(B)
Main Body ECU
ACC
IG
ALTB
BECU
GND1
29
32
31
30
11
18
2C
6
2B
Y
W–B
3
L92
Junction
Connector
7
W–B
L3

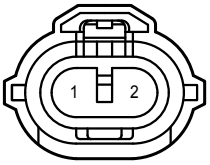

L7(A), L8(B)
Main Body ECU
FFOG
27 A
HEAD
29 A
GND2
3 B
LG
L
W–B
4
20
BFG
H
Fog Light Switch
LFG
BFG
OFF
Front
Light Control Switch
T
H
A
EL
OFF
Tail
Head
AUTO
L47
Headlight Dimmer Switch Assembly
LFG
EL
3
12
L
L
G
69 3A
68 3A
65 3A
67 3A
64 3A
W–B
W–B
5
4
L93
Junction Connector
3
W–B
L1


L7(A), L8(B)
Main Body ECU
TRLY
FFGO
14
13
(BAT)
125A
DC/DC
2
1 1D
W
LG
8 2C
1 2E
15A
FR FOG
TAIL
Relay
FR FOG
Relay
10A
TAIL
LG
1 CA1
LG
LG
LG
2
2
C4
Fog Light
Assembly LH
C6
Fog Light
Assembly RH
1
1
W–B
W–B
W–B
8 CA1
W–B
A3

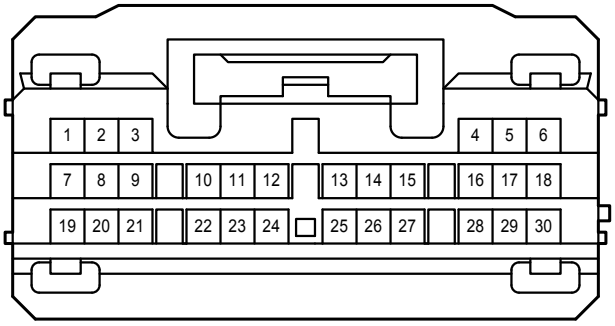
C 4
Black



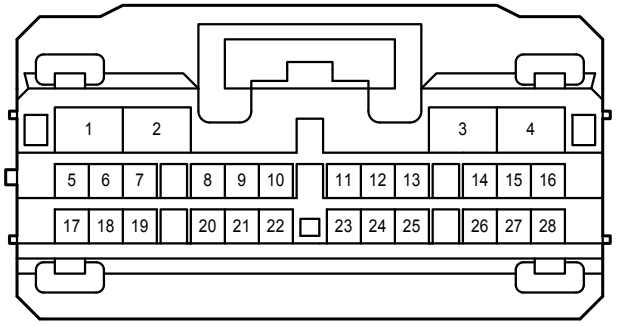
C 6
Black



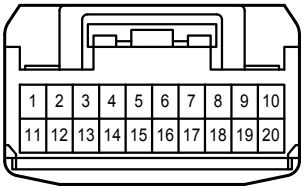
L 7
White



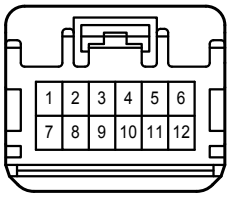
L 8
White



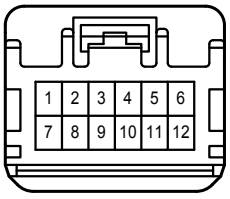
L 47
White



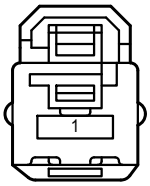
L 92
White



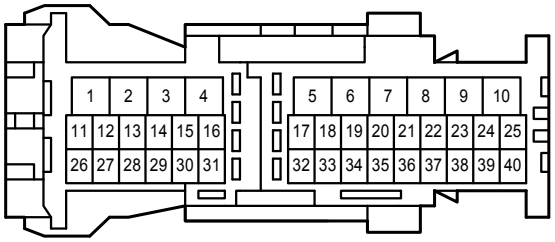
L 93
White



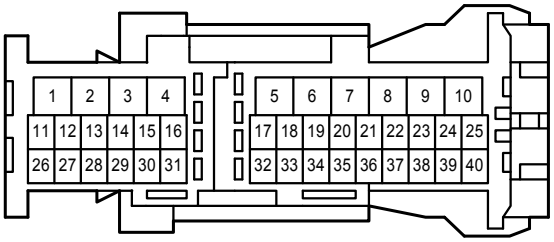
1D
Black

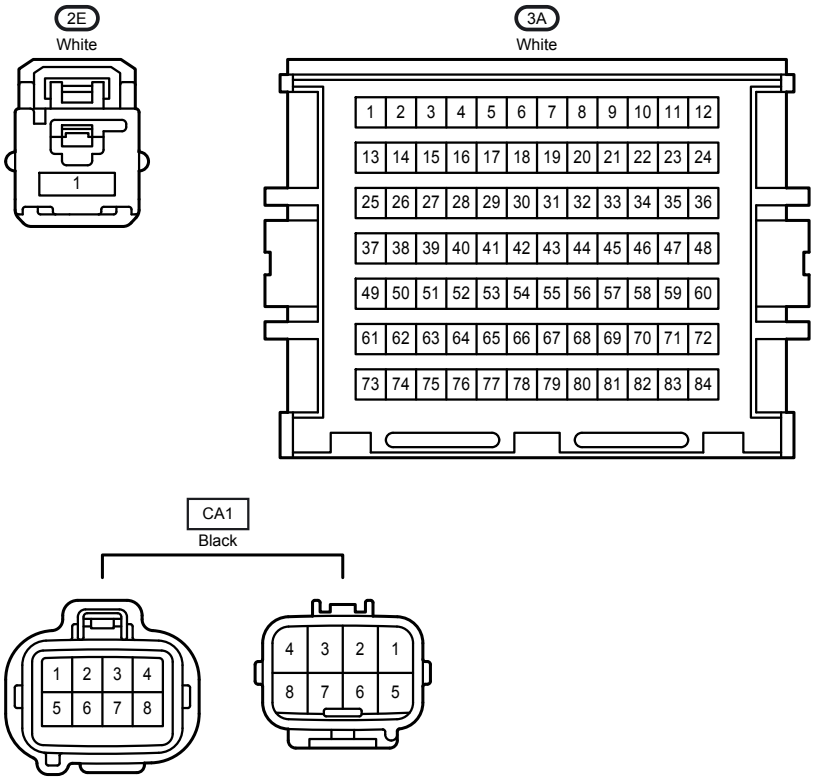


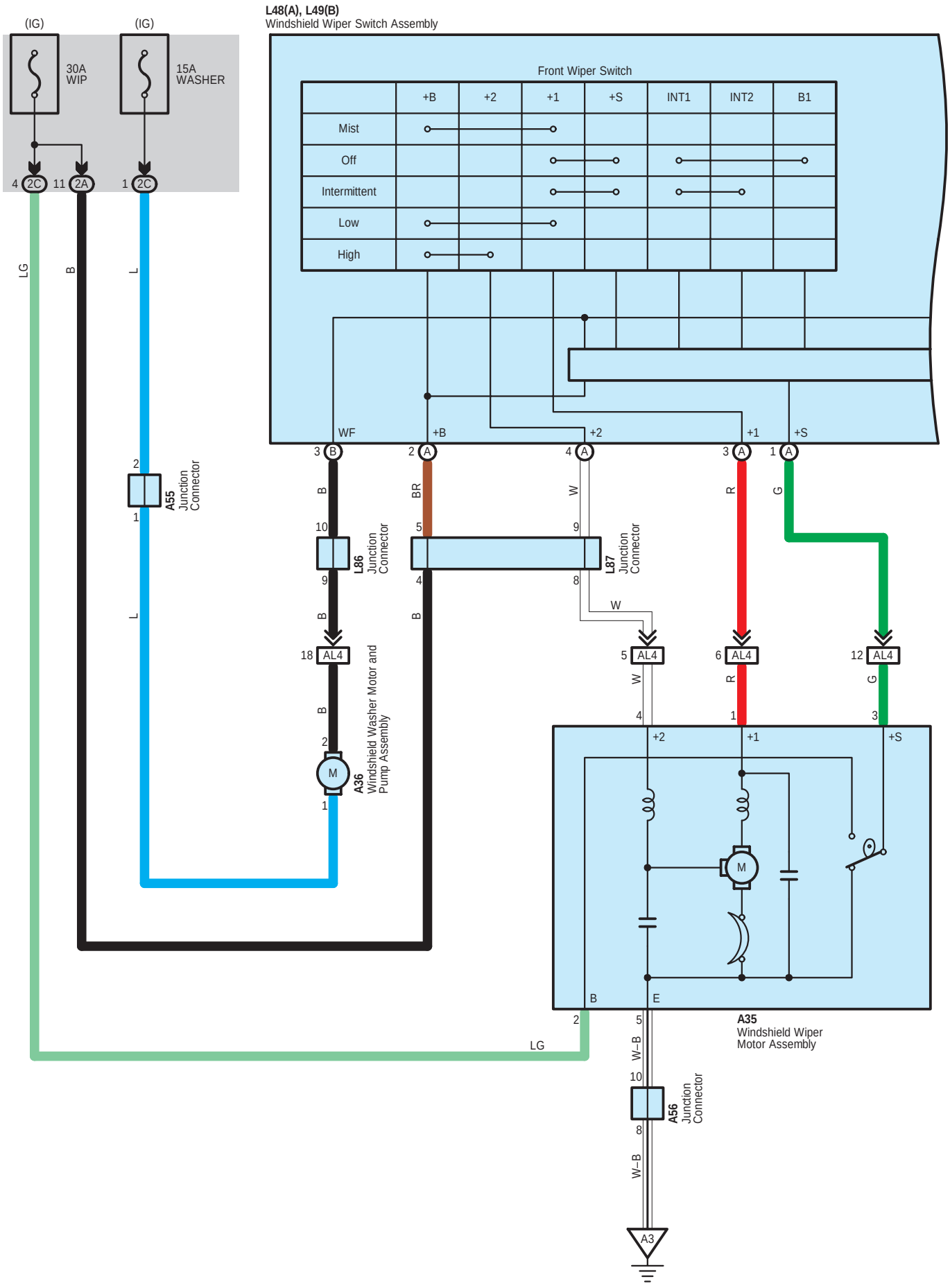
2B
White

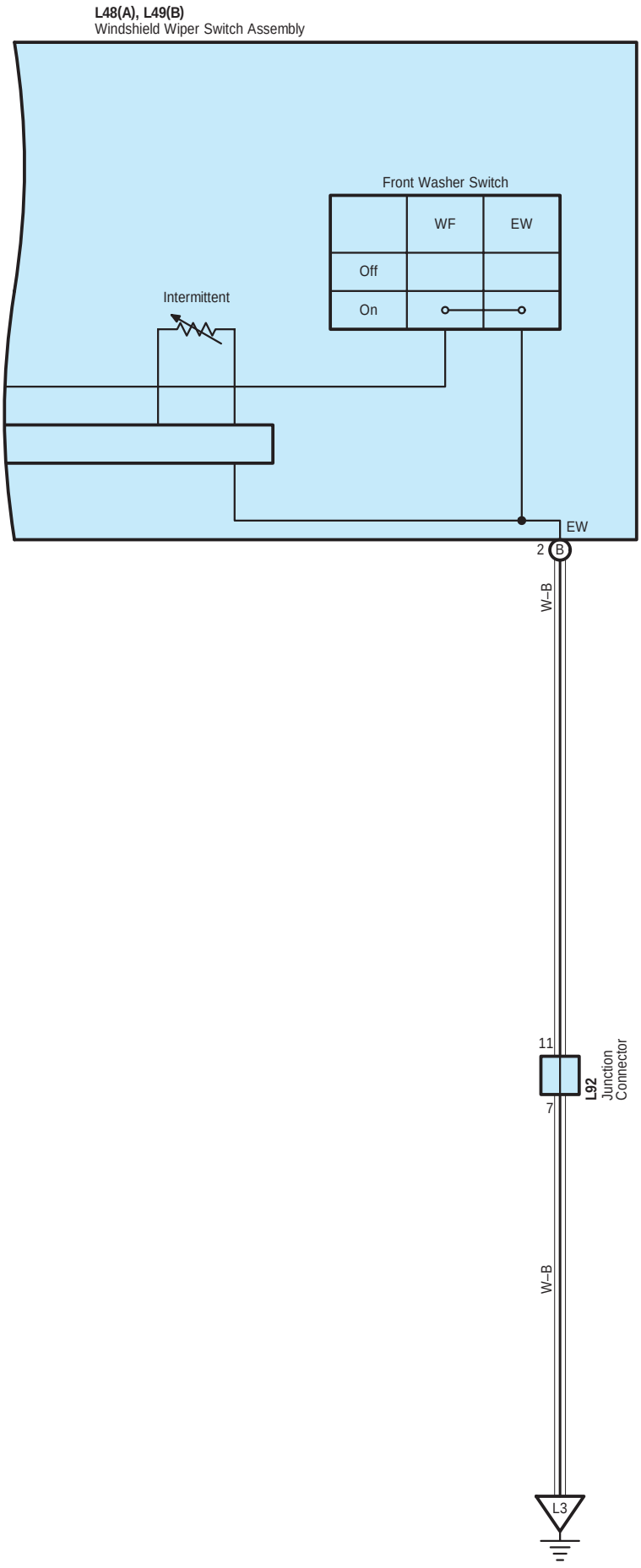


2C
White



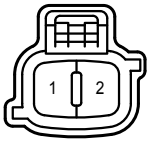

2E
White
1
3A
White
1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70 71 72
73 74 75 76 77 78 79 80 81 82 83 84
CA1
Black
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5


(IG)
(IG)
30A
WIP
15A
WASHER
4 2C
11 2A
1 2C
LG
B
L
L48(A), L49(B)
Windshield Wiper Switch Assembly
Front Wiper Switch
+B
+2
+1
+S
INT1
INT2
B1
Mist
Off
Intermittent
Low
High
WF
+B
+2
+1
+S
3 B
2 A
4 A
3 A
1 A
A55
Junction
Connector
L86
Junction
Connector
L87
Junction
Connector
AL4
Windshield Washer Motor and
Pump Assembly
A36
M
A35
Windshield Wiper
Motor Assembly
B
E
A56
Junction
Connector
A3
BR
W
R
G
W-B

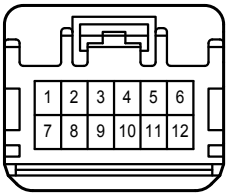

L48(A), L49(B)
Windshield Wiper Switch Assembly
Front Washer Switch
WF
EW
Off
On
Intermittent
EW
2
B
W–B
11
L92
Junction Connector
7
W–B
L3

A 35
Black

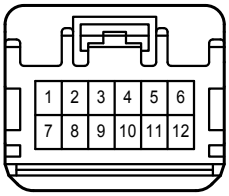
A 36
Black



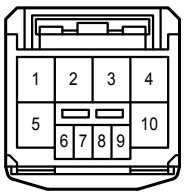
A 55
Black



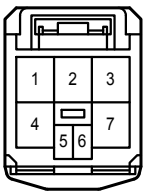
A 56
White



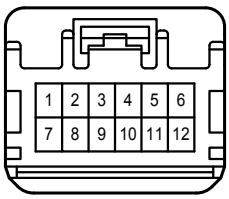
L 48
White



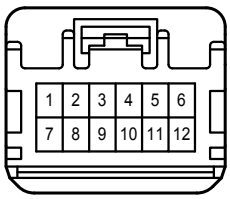
L 49
White



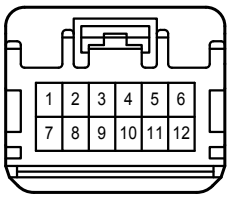
L 86
Black



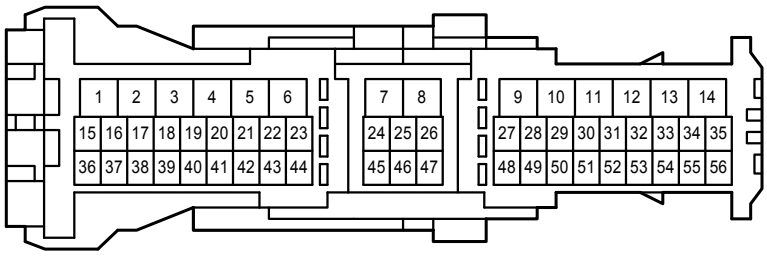
L 87
Black



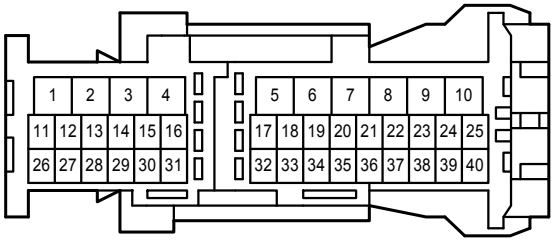
L 92
White



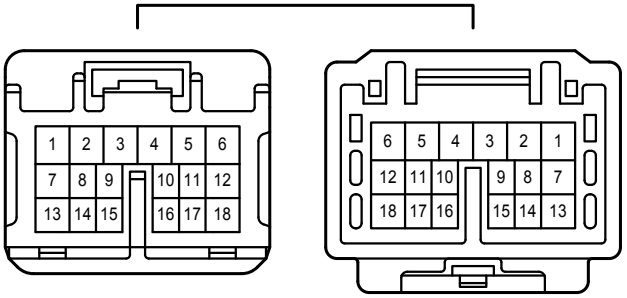
2A
White



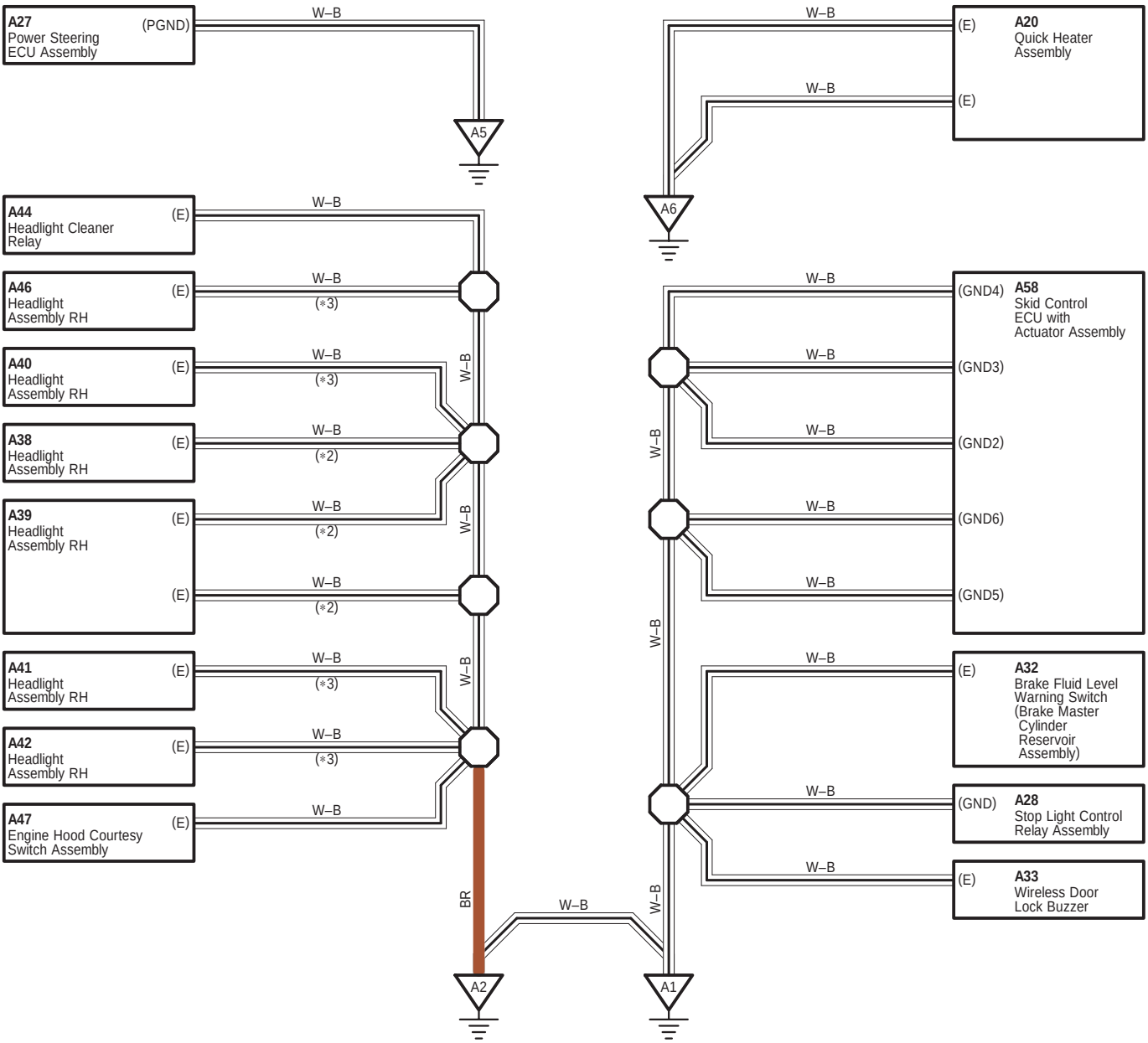
2C
White

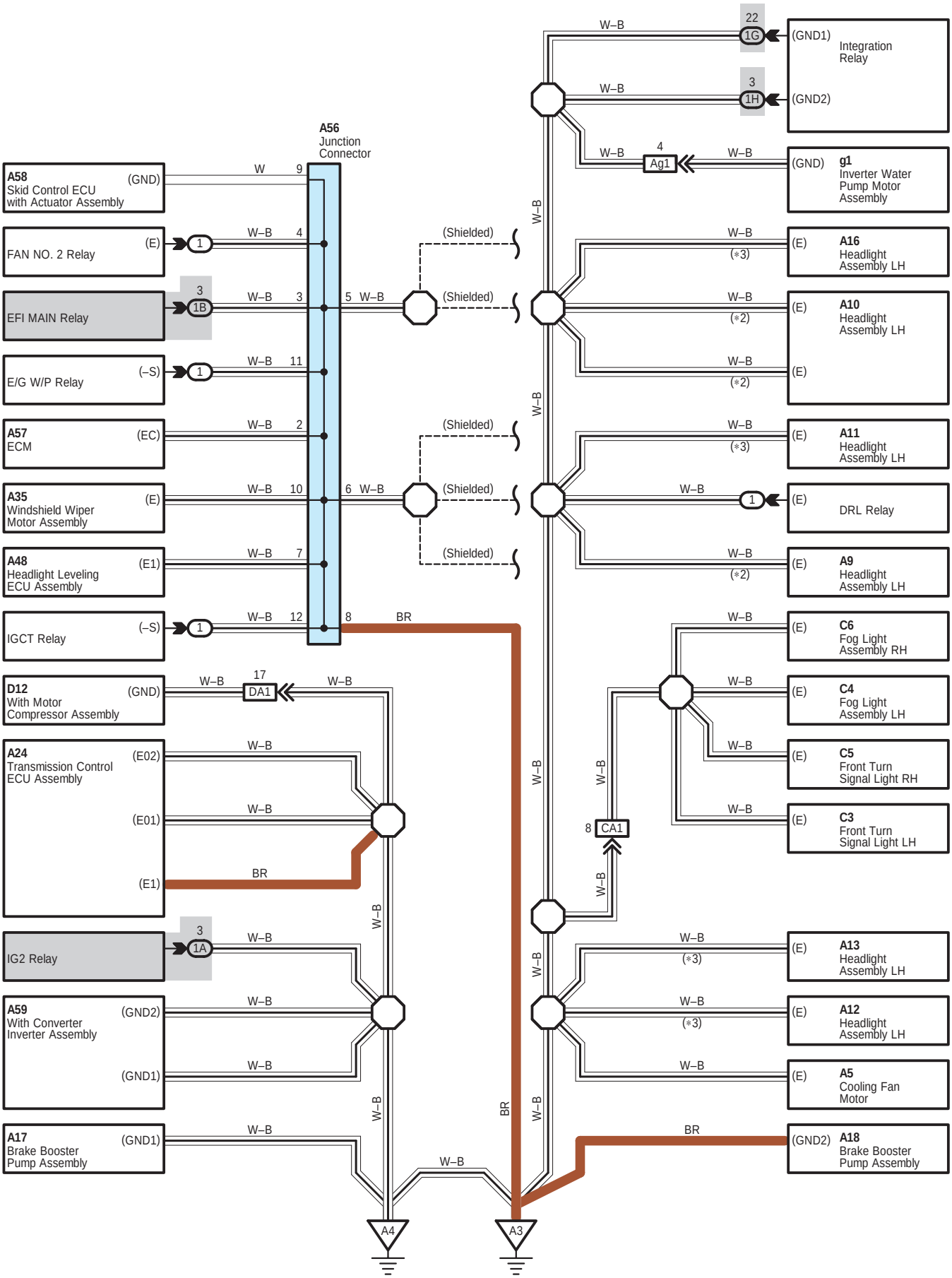


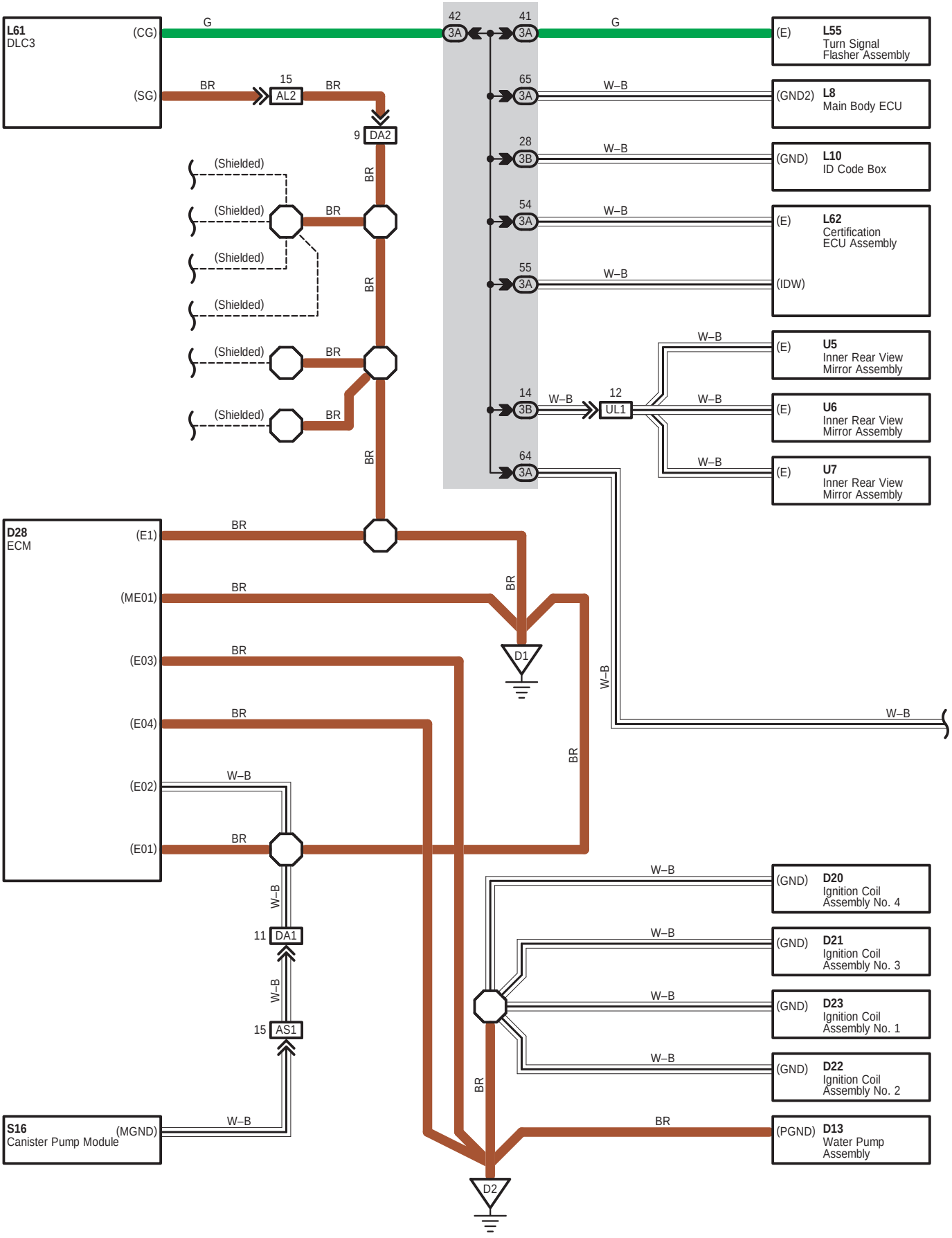
AL4
Black

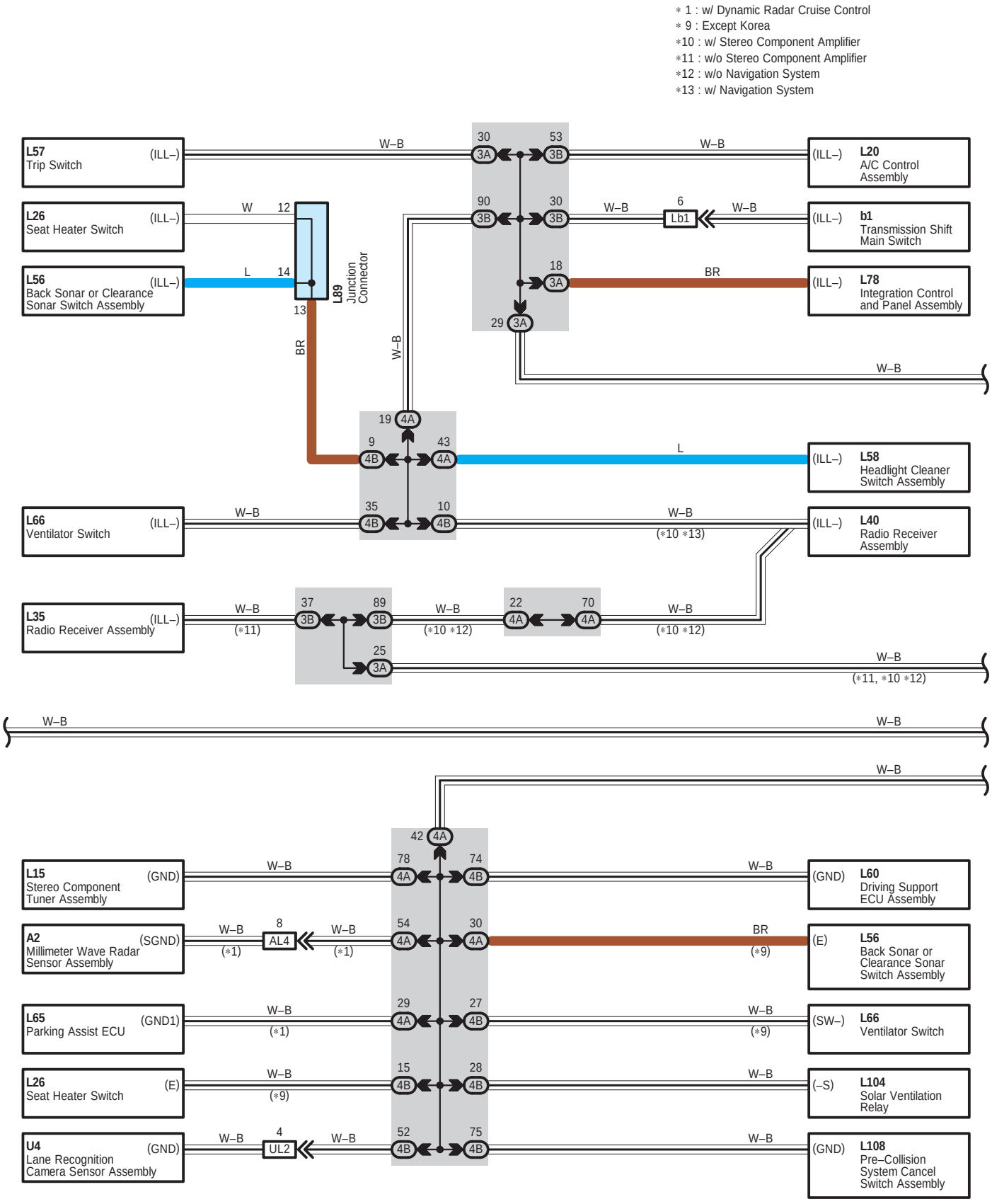


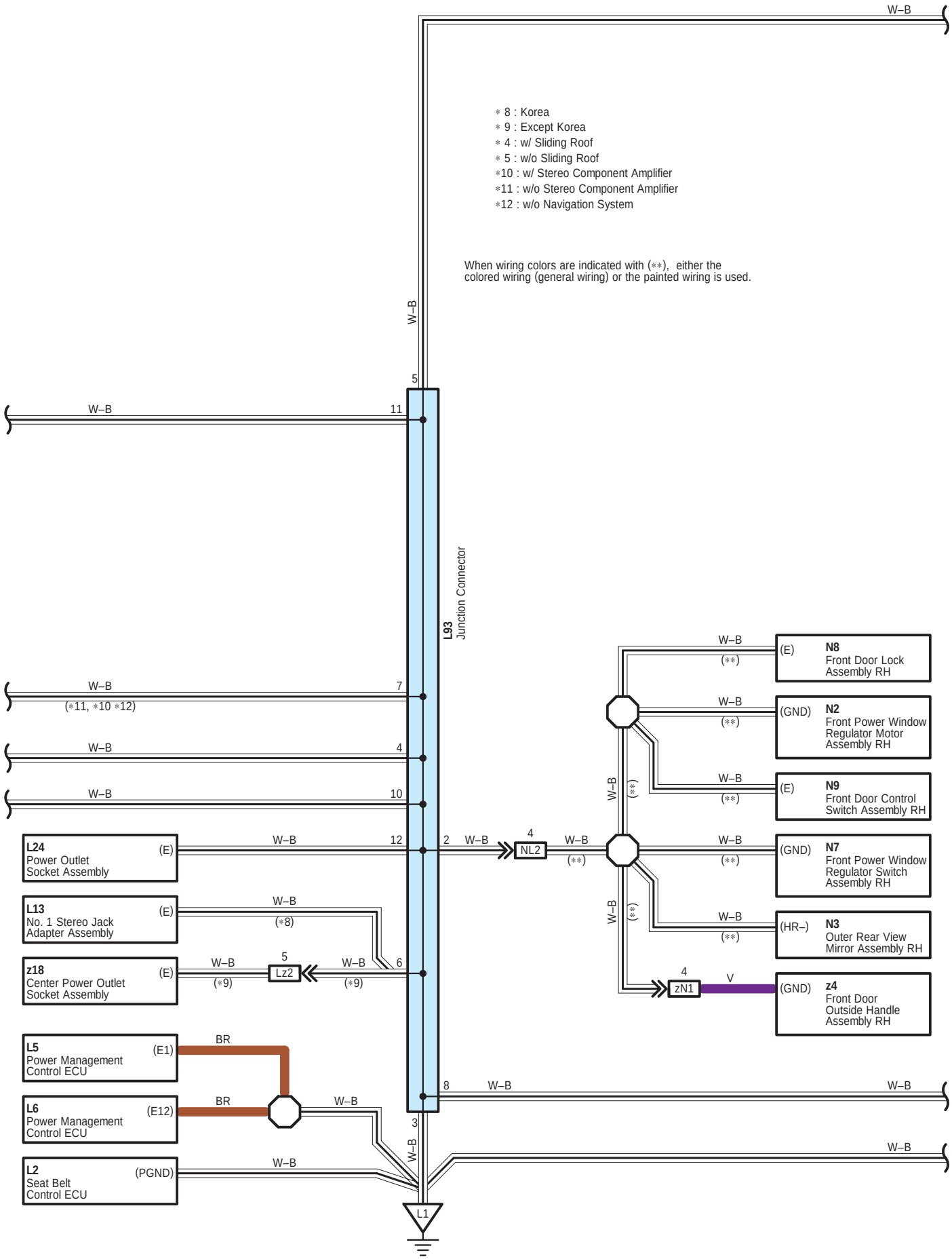
∗ 2 : LED Type
∗ 3 : Except LED Type

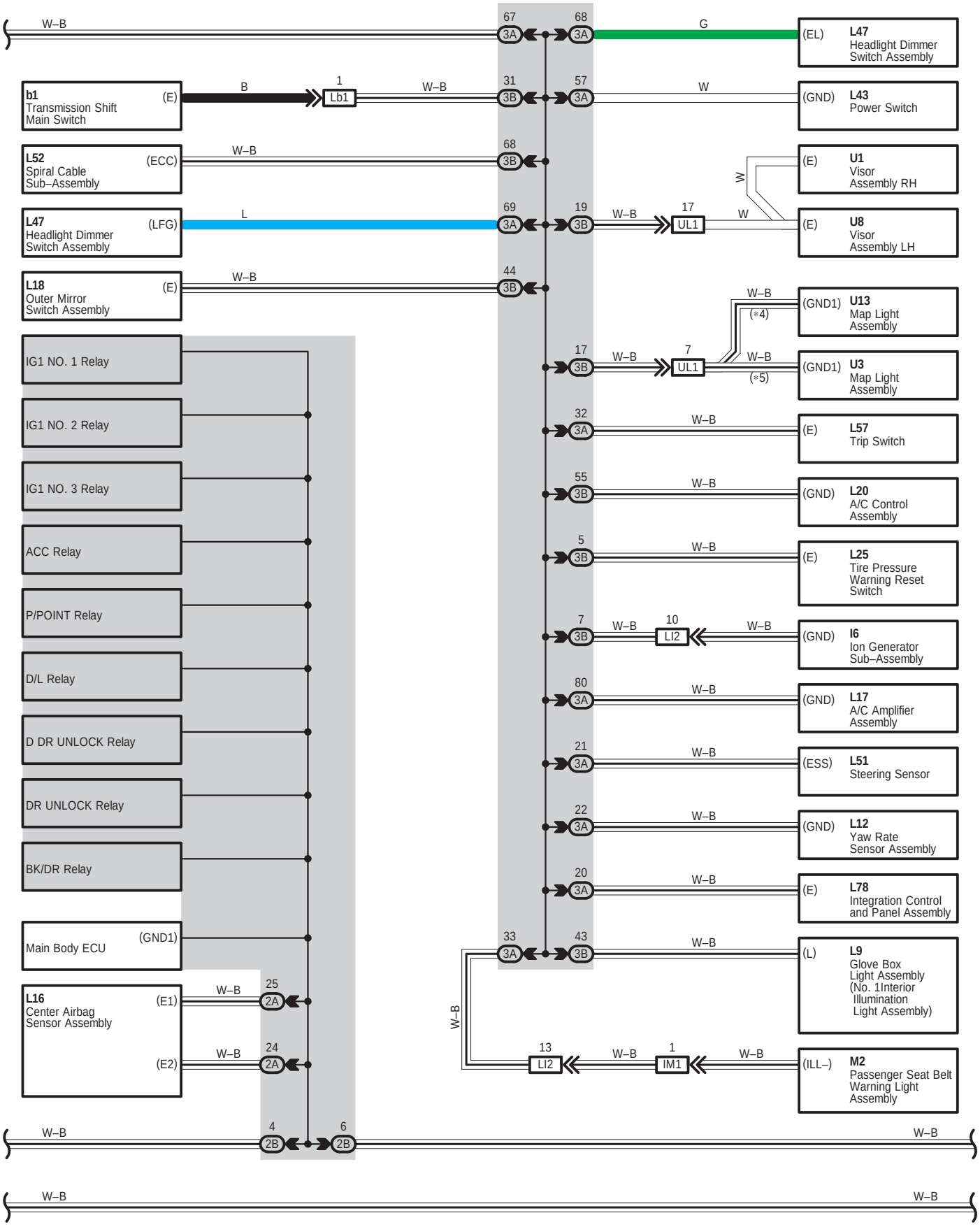


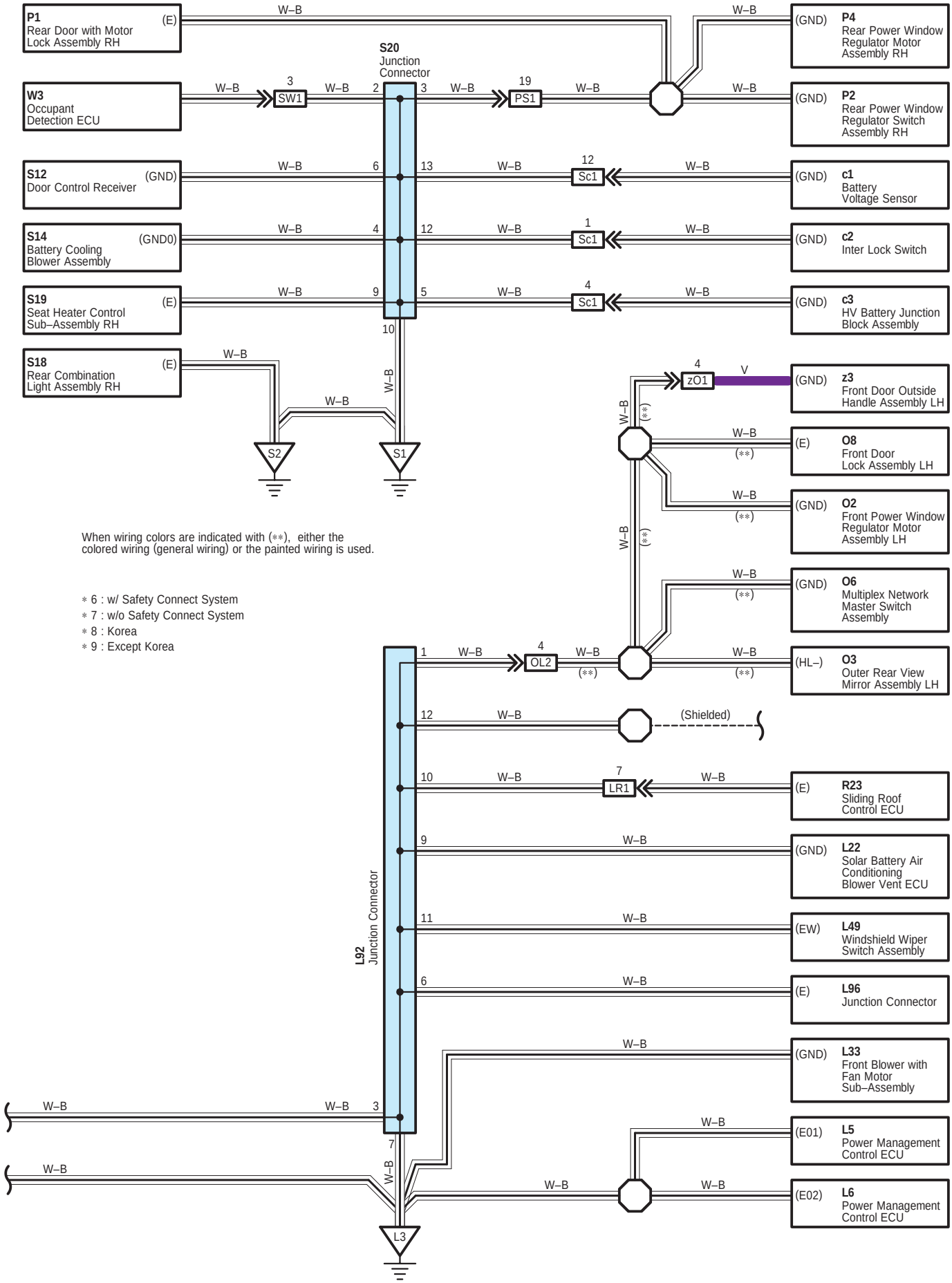

A56
Junction
Connector
A58
Skid Control ECU
with Actuator Assembly
(GND)
FAN NO. 2 Relay
(E)
EFI MAIN Relay
E/G W/P Relay
(–S)
A57
ECM
(EC)
A35
Windshield Wiper
Motor Assembly
A48
Headlight Leveling
ECU Assembly
(E1)
IGCT Relay
D12
With Motor
Compressor Assembly
(GND)
A24
Transmission Control
ECU Assembly
(E02)
(E01)
(E1)
IG2 Relay
A59
With Converter
Inverter Assembly
(GND2)
(GND1)
A17
Brake Booster
Pump Assembly
(GND1)
Integration
Relay
(GND2)
g1
Inverter Water
Pump Motor
Assembly
(GND)
A16
Headlight
Assembly LH
A10
Headlight
Assembly LH
A11
Headlight
Assembly LH
A9
Headlight
Assembly LH
DRL Relay
C6
Fog Light
Assembly RH
C4
Fog Light
Assembly LH
C5
Front Turn
Signal Light RH
C3
Front Turn
Signal Light LH
A13
Headlight
Assembly LH
A12
Headlight
Assembly LH
A5
Cooling Fan
Motor
A18
Brake Booster
Pump Assembly
(GND2)
(Shielded)
W–B
BR
A4
A3


L61
DLC3
(CG)
(SG)
G
BR
15
AL2
BR
9
DA2
(Shielded)
(Shielded)
(Shielded)
(Shielded)
(Shielded)
(Shielded)
BR
BR
BR
BR
BR
BR
42
3A
41
3A
G
(E)
L55
Turn Signal
Flasher Assembly
65
3A
W–B
(GND2)
L8
Main Body ECU
28
3B
W–B
(GND)
L10
ID Code Box
54
3A
W–B
(E)
L62
Certification
ECU Assembly
55
3A
W–B
(IDW)
W–B
(E)
U5
Inner Rear View
Mirror Assembly
14
3B
W–B
12
UL1
W–B
(E)
U6
Inner Rear View
Mirror Assembly
64
3A
W–B
(E)
U7
Inner Rear View
Mirror Assembly
D28
ECM
(E1)
(ME01)
(E03)
(E04)
(E02)
(E01)
BR
BR
BR
BR
W–B
BR
D1
W–B
W–B
BR
W–B
W–B
W–B
11
DA1
15
AS1
W–B
W–B
(GND)
D20
Ignition Coil
Assembly No. 4
(GND)
D21
Ignition Coil
Assembly No. 3
(GND)
D23
Ignition Coil
Assembly No. 1
(GND)
D22
Ignition Coil
Assembly No. 2
BR
(PGND)
D13
Water Pump
Assembly
S16
Canister Pump Module
(MGND)
W–B
D2


∗ 1 : w/ Dynamic Radar Cruise Control
∗ 9 : Except Korea
∗10 : w/ Stereo Component Amplifier
∗11 : w/o Stereo Component Amplifier
∗12 : w/o Navigation System
∗13 : w/ Navigation System
L57 Trip Switch (ILL–)
L26 Seat Heater Switch (ILL–)
L56 Back Sonar or Clearance Sonar Switch Assembly (ILL–)
L89 Junction Connector
L66 Ventilator Switch (ILL–)
L35 Radio Receiver Assembly (ILL–)
L20 A/C Control Assembly (ILL–)
b1 Transmission Shift Main Switch (ILL–)
L78 Integration Control and Panel Assembly (ILL–)
L58 Headlight Cleaner Switch Assembly (ILL–)
L40 Radio Receiver Assembly (ILL–)
L15 Stereo Component Tuner Assembly (GND)
A2 Millimeter Wave Radar Sensor Assembly (SGND)
L65 Parking Assist ECU (GND1)
L26 Seat Heater Switch (E)
U4 Lane Recognition Camera Sensor Assembly (GND)
L60 Driving Support ECU Assembly (GND)
L56 Back Sonar or Clearance Sonar Switch Assembly (E)
L66 Ventilator Switch (SW–)
L104 Solar Ventilation Relay (–S)
L108 Pre–Collision System Cancel Switch Assembly (GND)
W–B
L
BR
W
AL4
UL2
Lb1

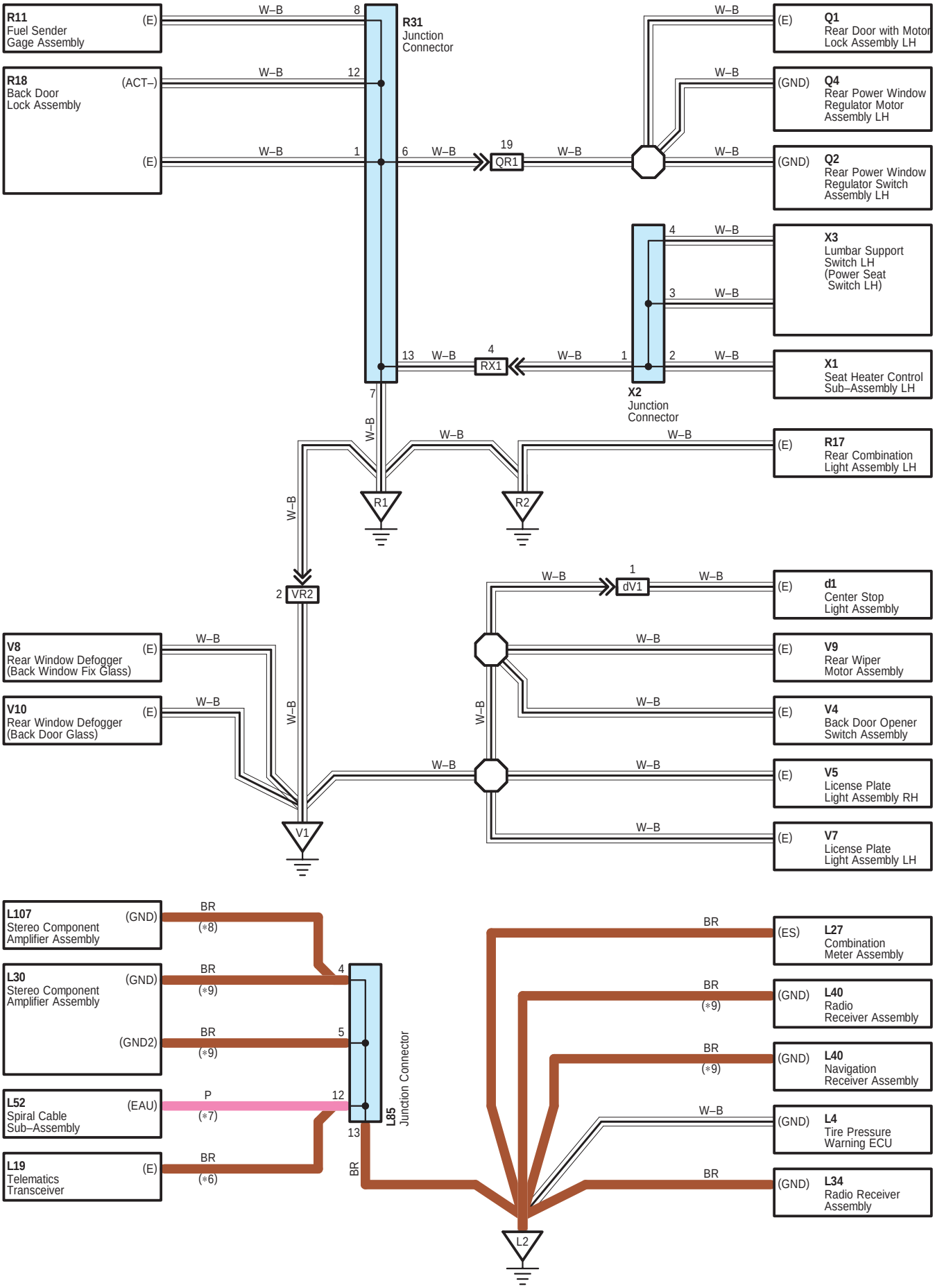

W–B
∗ 8 : Korea
∗ 9 : Except Korea
∗ 4 : w/ Sliding Roof
∗ 5 : w/o Sliding Roof
∗10 : w/ Stereo Component Amplifier
∗11 : w/o Stereo Component Amplifier
∗12 : w/o Navigation System
When wiring colors are indicated with (∗∗), either the colored wiring (general wiring) or the painted wiring is used.
L93 Junction Connector
5
11
7
(∗11, ∗10 ∗12)
4
10
12
2
4
NL2
(∗∗)
L24 Power Outlet Socket Assembly
(E)
L13 No. 1 Stereo Jack Adapter Assembly
(∗8)
z18 Center Power Outlet Socket Assembly
(∗9)
5
Lz2
6
L5 Power Management Control ECU
(E1)
BR
L6 Power Management Control ECU
(E12)
L2 Seat Belt Control ECU
(PGND)
3
L1
8
N8 Front Door Lock Assembly RH
(GND)
N2 Front Power Window Regulator Motor Assembly RH
N9 Front Door Control Switch Assembly RH
N7 Front Power Window Regulator Switch Assembly RH
(HR–)
N3 Outer Rear View Mirror Assembly RH
4
zN1
V
z4 Front Door Outside Handle Assembly RH


W–B
67
3A
68
3A
G
(EL)
L47
Headlight Dimmer Switch Assembly
b1
Transmission Shift Main Switch
(E)
B
1
Lb1
W–B
31
3B
57
3A
W
(GND)
L43
Power Switch
L52
Spiral Cable Sub–Assembly
(ECC)
W–B
68
3B
(E)
U1
Visor Assembly RH
W
L47
Headlight Dimmer Switch Assembly
(LFG)
L
69
3A
19
3B
W–B
17
UL1
W
(E)
U8
Visor Assembly LH
L18
Outer Mirror Switch Assembly
(E)
W–B
44
3B
W–B
(*4)
(GND1)
U13
Map Light Assembly
IG1 NO. 1 Relay
17
3B
W–B
7
UL1
W–B
(*5)
(GND1)
U3
Map Light Assembly
IG1 NO. 2 Relay
32
3A
W–B
(E)
L57
Trip Switch
IG1 NO. 3 Relay
55
3B
W–B
(GND)
L20
A/C Control Assembly
ACC Relay
5
3B
W–B
(E)
L25
Tire Pressure Warning Reset Switch
P/POINT Relay
7
3B
W–B
10
LI2
W–B
(GND)
I6
Ion Generator Sub–Assembly
D/L Relay
80
3A
W–B
(GND)
L17
A/C Amplifier Assembly
D DR UNLOCK Relay
21
3A
W–B
(ESS)
L51
Steering Sensor
DR UNLOCK Relay
22
3A
W–B
(GND)
L12
Yaw Rate Sensor Assembly
BK/DR Relay
20
3A
W–B
(E)
L78
Integration Control and Panel Assembly
Main Body ECU
(GND1)
33
3A
43
3B
W–B
(L)
L9
Glove Box Light Assembly (No. 1Interior Illumination Light Assembly)
W–B
L16
Center Airbag Sensor Assembly
(E1)
W–B
25
2A
(E2)
W–B
24
2A
13
LI2
W–B
1
IM1
W–B
(ILL–)
M2
Passenger Seat Belt Warning Light Assembly
W–B
4
2B
6
2B
W–B
W–B
W–B

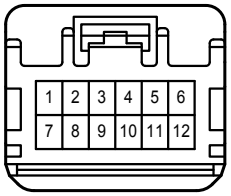


When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

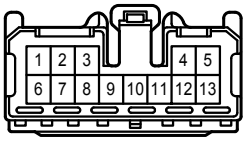
* 6 : w/ Safety Connect System
* 7 : w/o Safety Connect System
* 8 : Korea
* 9 : Except Korea


R11
Fuel Sender
Gage Assembly
(E)
R18
Back Door
Lock Assembly
(ACT–)
(E)
W–B
8
12
1
R31
Junction
Connector
6
19
QR1
Q1
Rear Door with Motor
Lock Assembly LH
Q4
Rear Power Window
Regulator Motor
Assembly LH
Q2
Rear Power Window
Regulator Switch
Assembly LH
X3
Lumbar Support
Switch LH
(Power Seat
Switch LH)
4
3
13
RX1
X2
Junction
Connector
X1
Seat Heater Control
Sub–Assembly LH
7
R1
R2
R17
Rear Combination
Light Assembly LH
2
VR2
dV1
d1
Center Stop
Light Assembly
V8
Rear Window Defogger
(Back Window Fix Glass)
V10
Rear Window Defogger
(Back Door Glass)
V9
Rear Wiper
Motor Assembly
V4
Back Door Opener
Switch Assembly
V5
License Plate
Light Assembly RH
V7
License Plate
Light Assembly LH
V1
L107
Stereo Component
Amplifier Assembly
(GND)
L30
Stereo Component
Amplifier Assembly
(GND)
(GND2)
L52
Spiral Cable
Sub–Assembly
(EAU)
L19
Telematics
Transceiver
BR
(*8)
(*9)
P
(*7)
(*6)
L85
Junction Connector
L27
Combination
Meter Assembly
(ES)
L40
Radio
Receiver Assembly
L40
Navigation
Receiver Assembly
L4
Tire Pressure
Warning ECU
L34
Radio Receiver
Assembly
L2

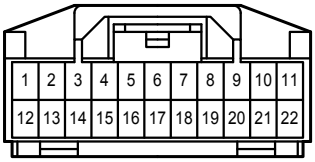
A 56
White



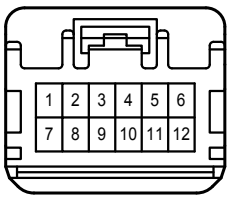
L 85
White



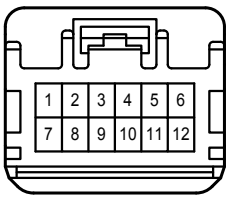
L 89
Black



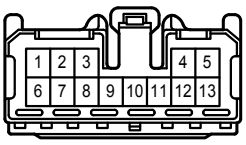
L 92
White



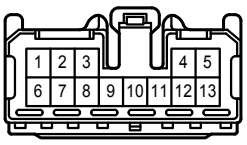
L 93
White



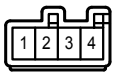
R 31
White



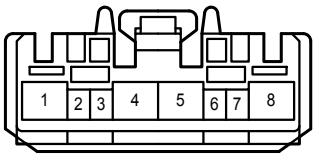
S 20
White



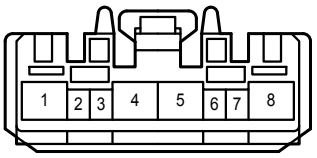
X 2
Black



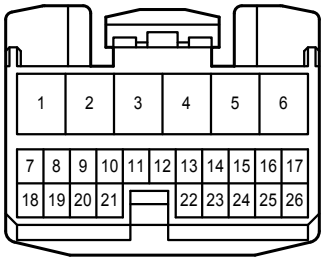
1A
White



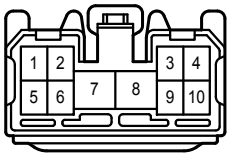
1B
White



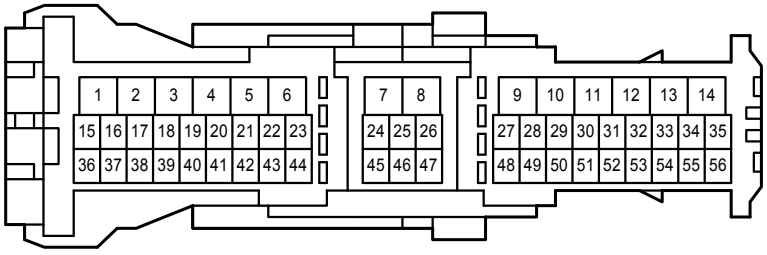
1G
White



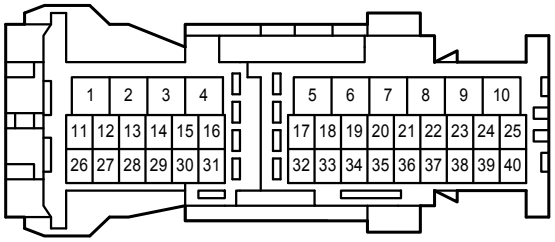
1H
White



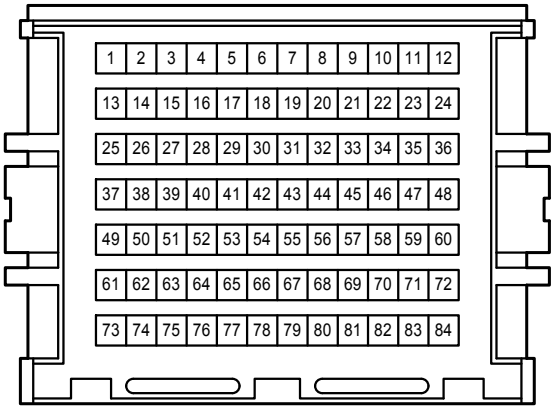
2A
White



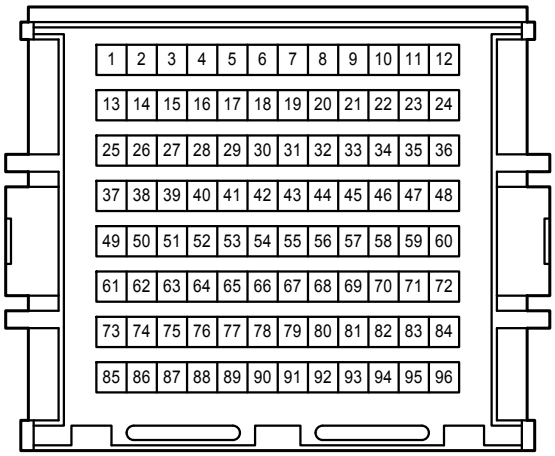
2B
White



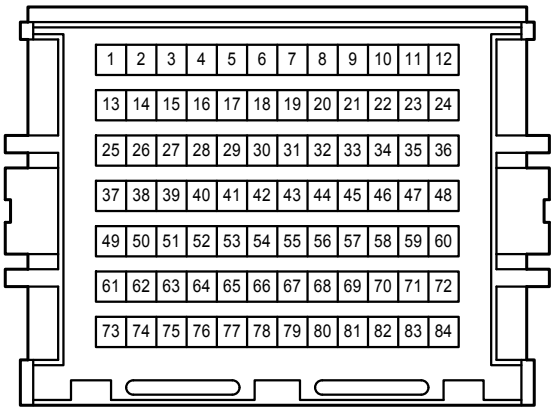
3A
White



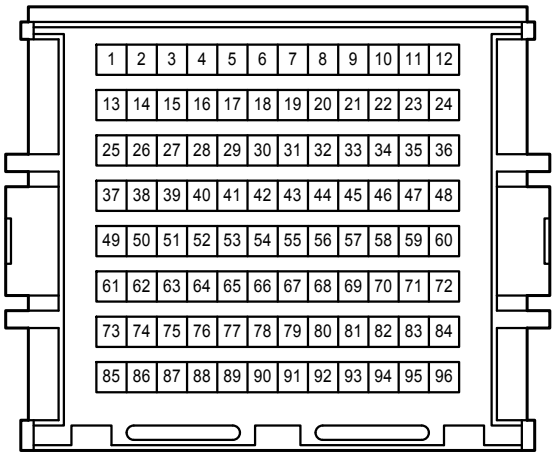
3B
White



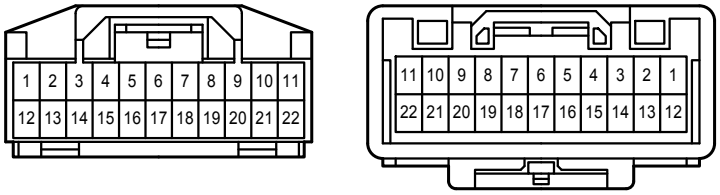
4A
White



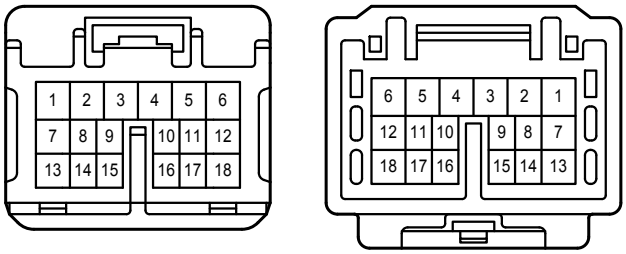
4B
White



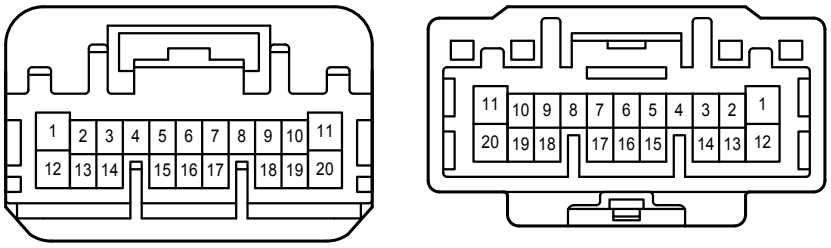
AL2
Gray



AL4
Black



AS1
White



Ag1
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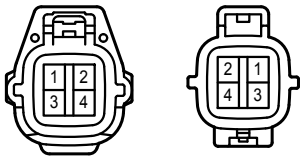

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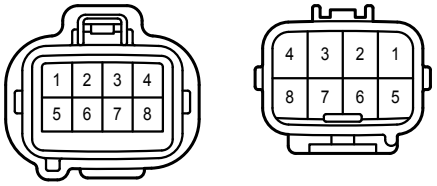

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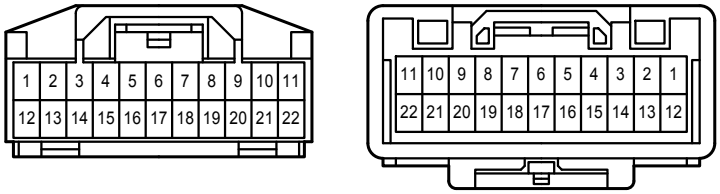

DA2
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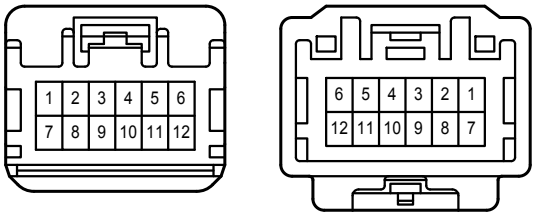

IM1
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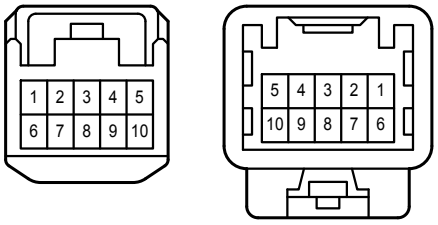

LI2
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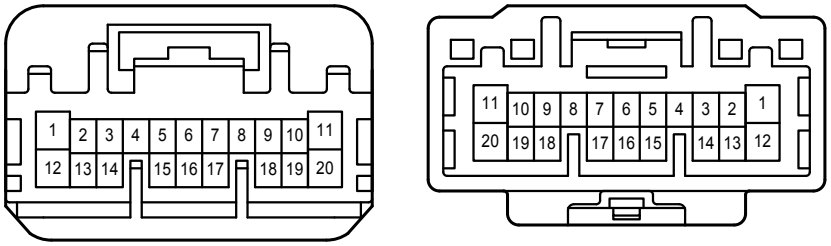

LR1
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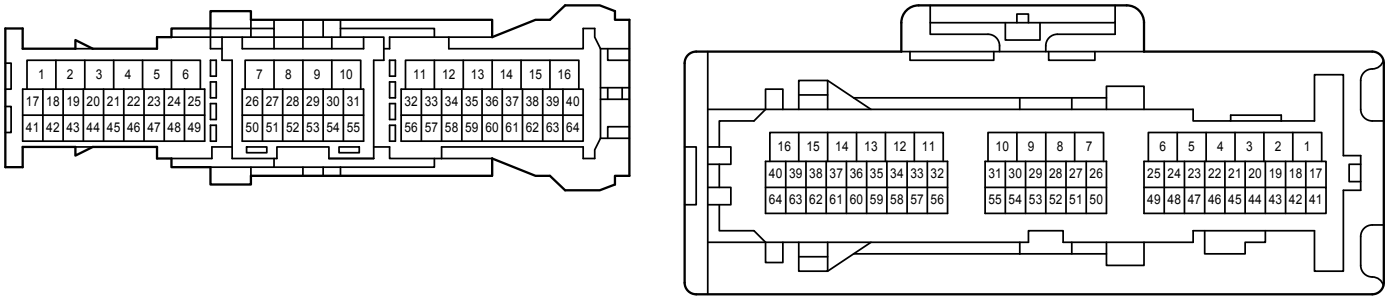

Lb1
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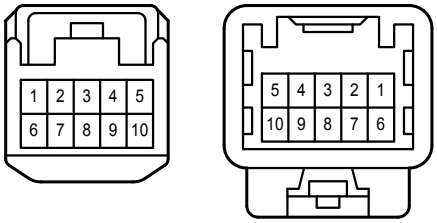

Lz2
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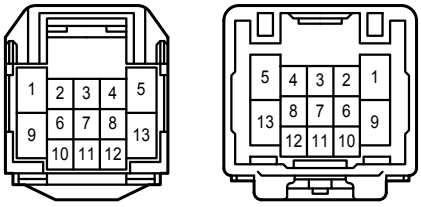

NL2
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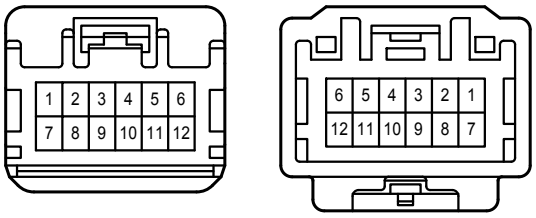

OL2
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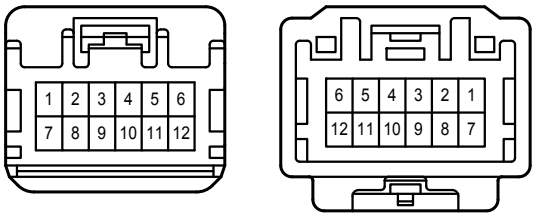

PS1
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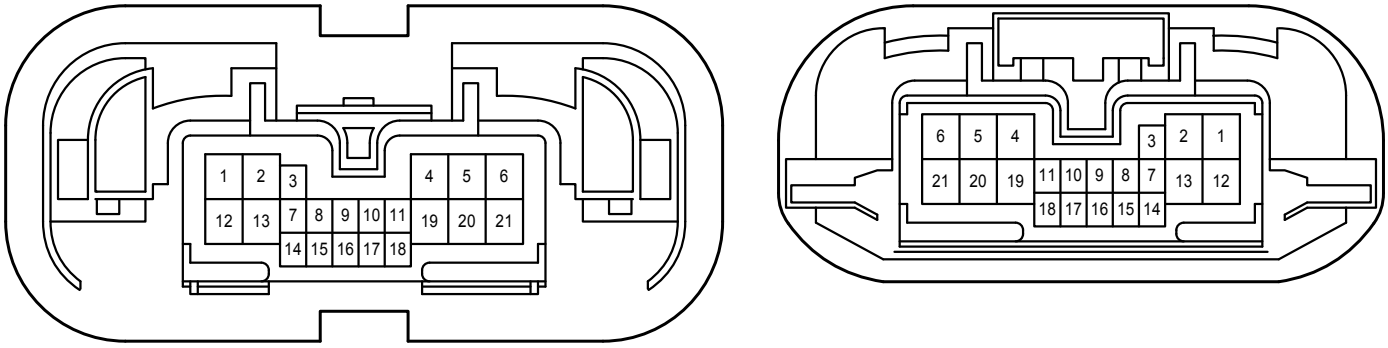

QR1
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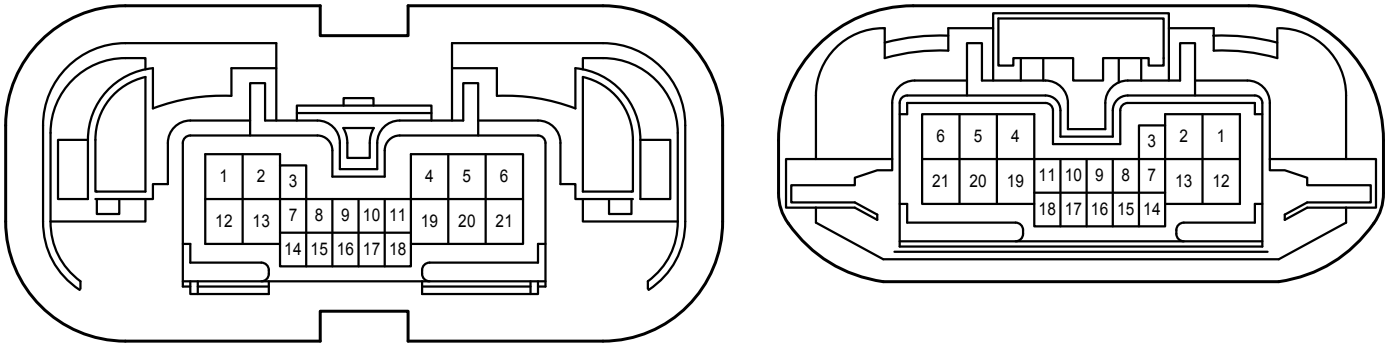

RX1
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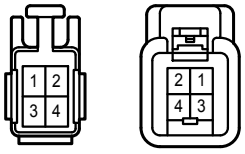
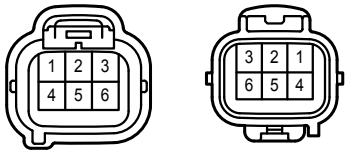


SW1
Gray



Sc1
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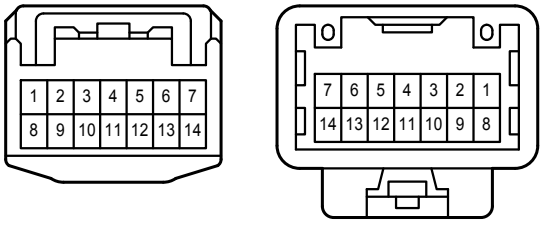
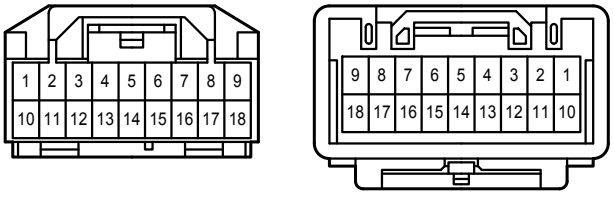
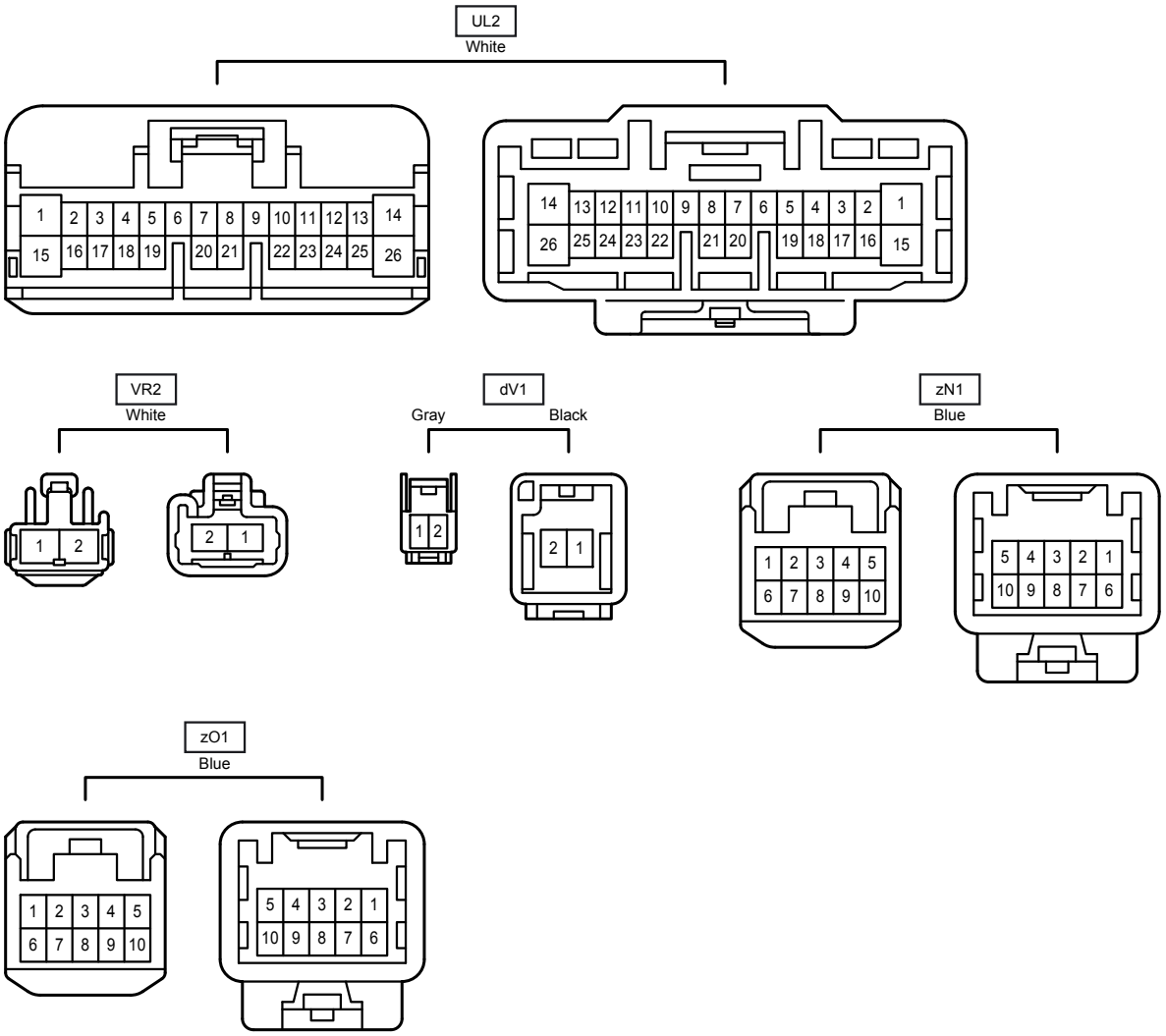
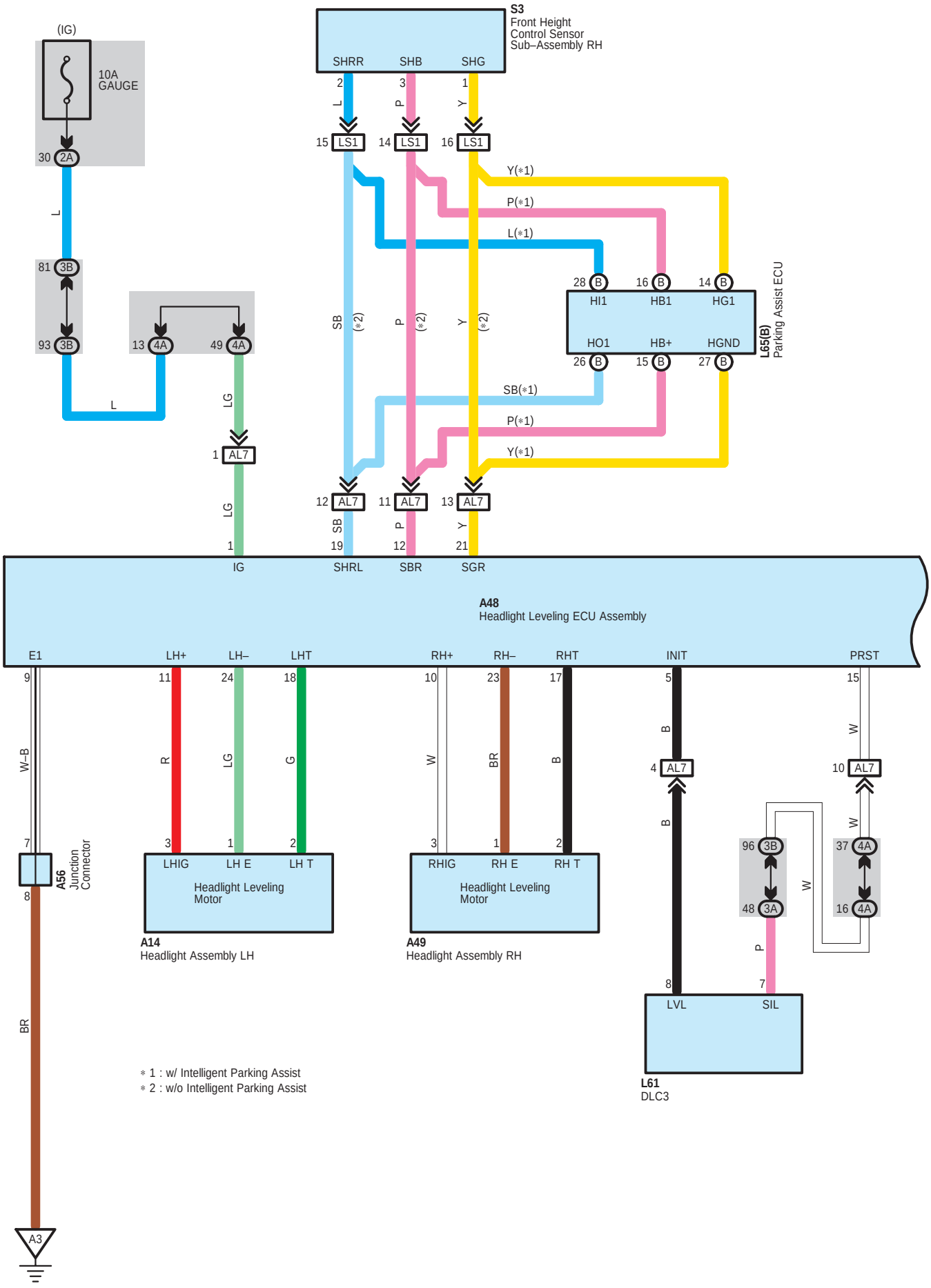
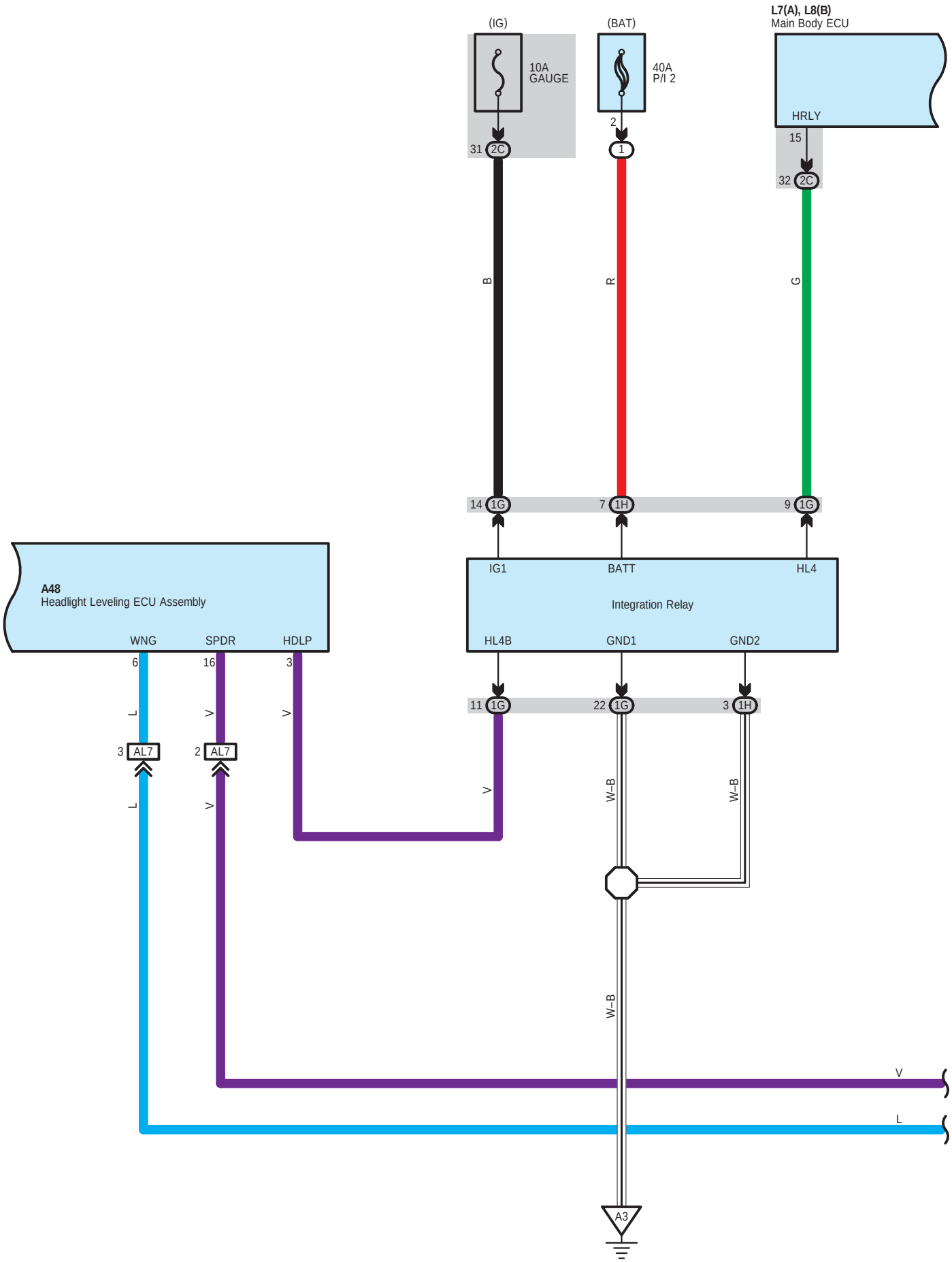


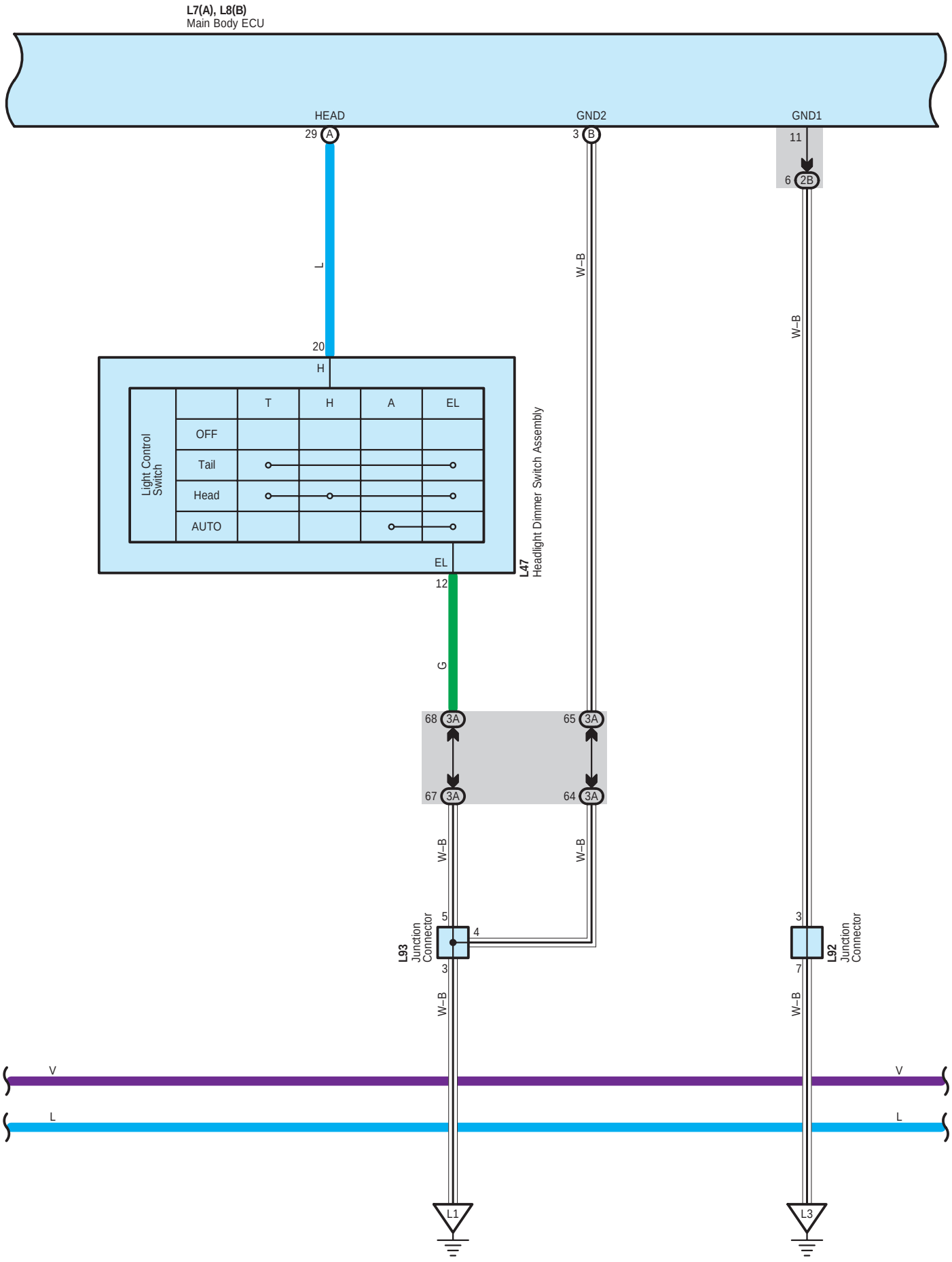
UL1
Gray

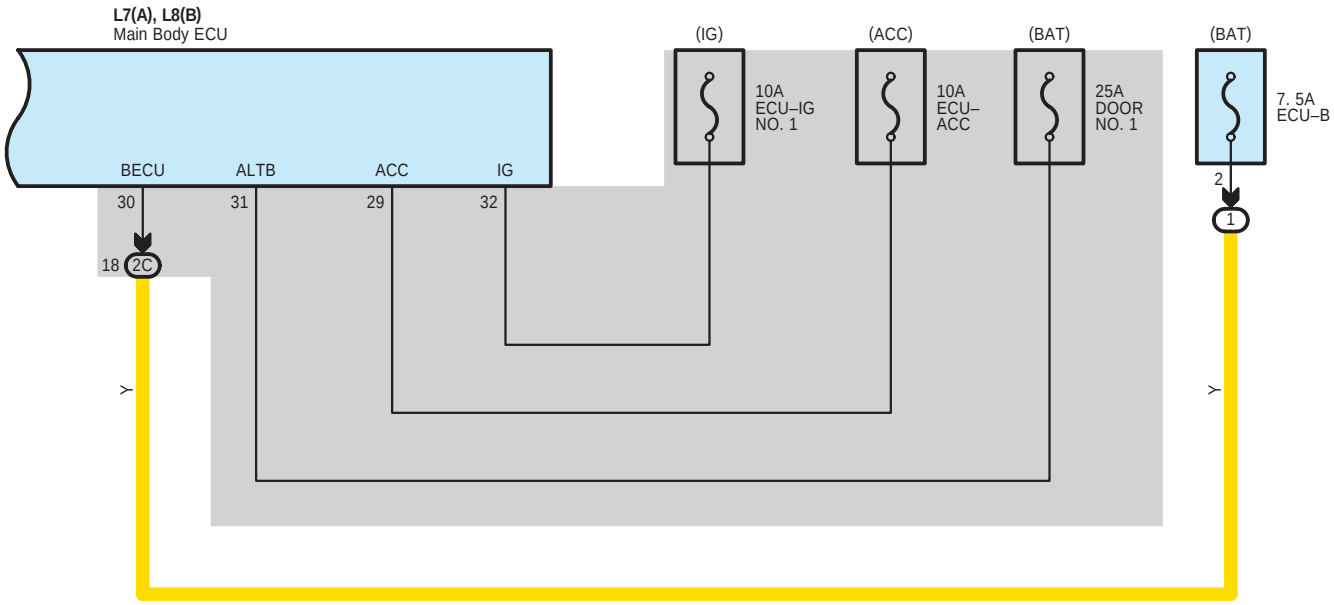


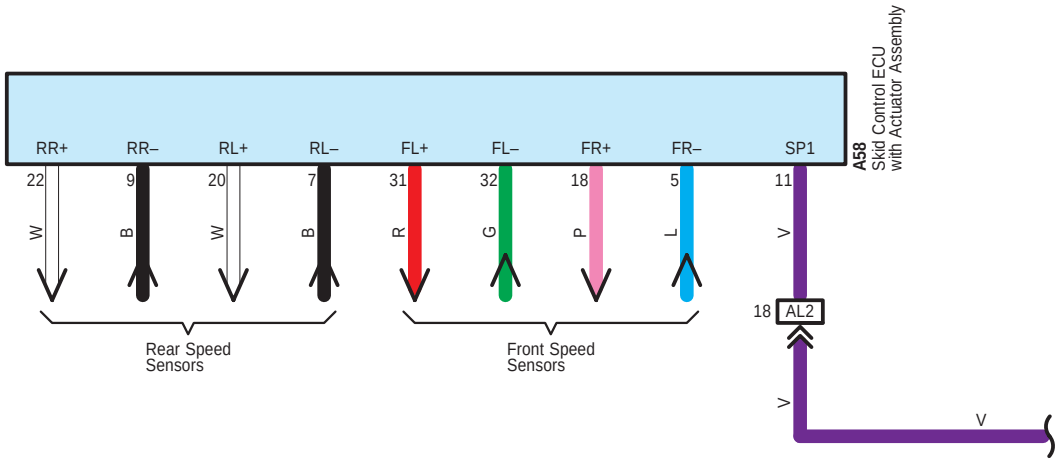

UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15
VR2
White
1 2
2 1
dV1
Gray
Black
1 2
2 1
zN1
Blue
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6
zO1
Blue
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6


(IG)
10A
GAUGE
30 2A
L
81 3B
93 3B
L
13 4A
49 4A
LG
1 AL7
LG
1
IG
S3
Front Height
Control Sensor
Sub–Assembly RH
SHRR
SHB
SHG
2
3
1
L
P
Y
15 LS1
14 LS1
16 LS1
Y(*1)
P(*1)
L(*1)
SB
(*2)
P
(*2)
Y
(*2)
28 B
16 B
14 B
HI1
HB1
HG1
HO1
HB+
HGND
26 B
15 B
27 B
L65(B)
Parking Assist ECU
SB(*1)
P(*1)
Y(*1)
12 AL7
11 AL7
13 AL7
SB
P
Y
19
12
21
SHRL
SBR
SGR
A48
Headlight Leveling ECU Assembly
E1
LH+
LH–
LHT
RH+
RH–
RHT
INIT
PRST
9
11
24
18
10
23
17
5
15
W–B
R
LG
G
W
BR
B
B
W
4 AL7
10 AL7
B
B
W
W
7
3
1
2
3
1
2
8
96 3B
48 3A
37 4A
16 4A
P
W
A56
Junction
Connector
LHIG
LH E
LH T
Headlight Leveling
Motor
A14
Headlight Assembly LH
RHIG
RH E
RH T
Headlight Leveling
Motor
A49
Headlight Assembly RH
8
7
LVL
SIL
L61
DLC3
BR
A3
* 1 : w/ Intelligent Parking Assist
* 2 : w/o Intelligent Parking Assist

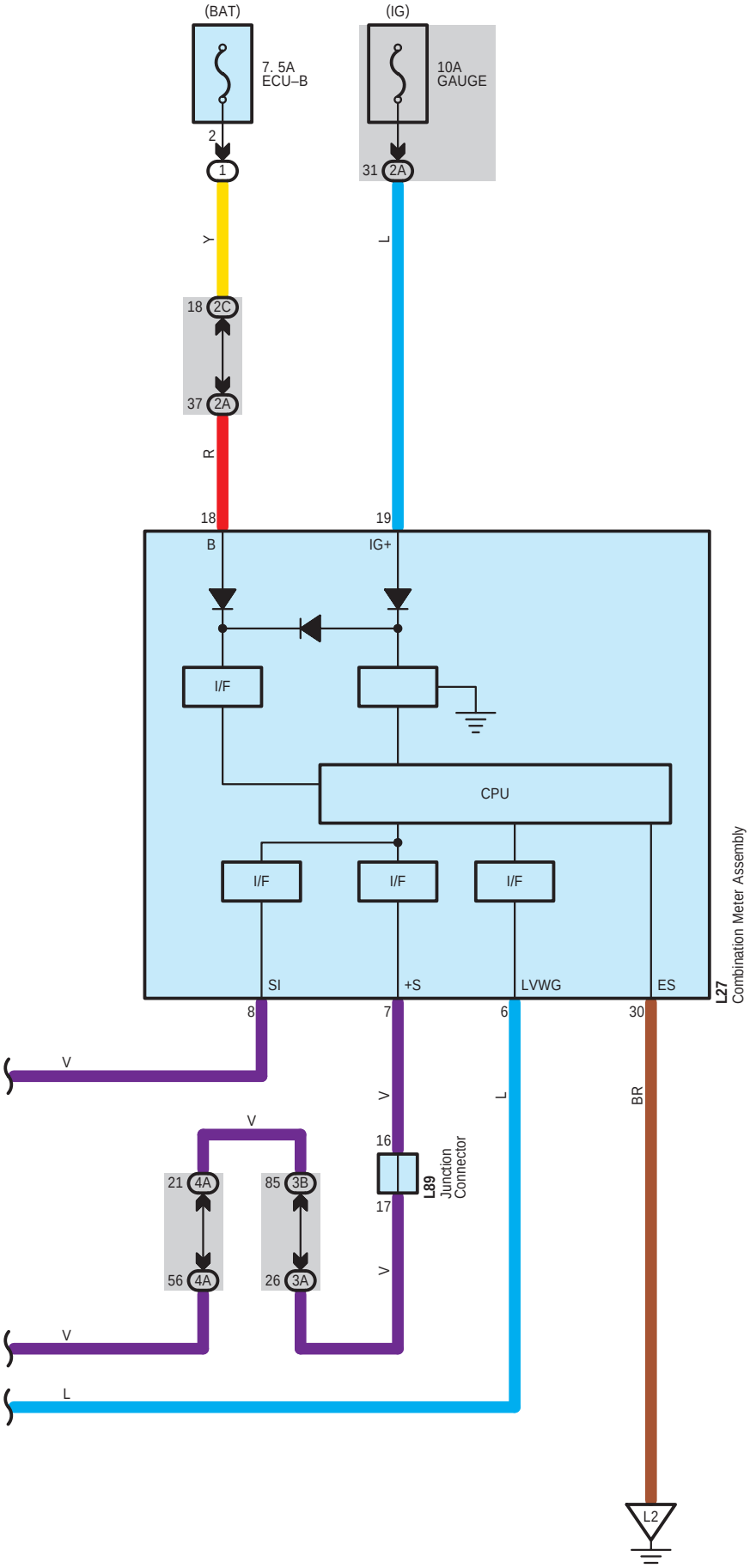

(IG)
(BAT)
L7(A), L8(B)
Main Body ECU
10A
GAUGE
40A
P/I 2
HRLY
15
2
31 2C
1
32 2C
B
R
G
14 1G
7 1H
9 1G
IG1
BATT
HL4
Integration Relay
HL4B
GND1
GND2
11 1G
22 1G
3 1H
A48
Headlight Leveling ECU Assembly
WNG
SPDR
HDLP
6
16
3
L
V
V
3 AL7
2 AL7
L
V
V
W–B
W–B
W–B
V
L
A3


L7(A), L8(B)
Main Body ECU
HEAD
GND2
GND1
29 A
3 B
11
6 2B
L
W-B
W-B
20
H
T
H
A
EL
OFF
Tail
Head
AUTO
Light Control Switch
EL
L47
Headlight Dimmer Switch Assembly
12
G
68 3A
65 3A
67 3A
64 3A
W-B
W-B
L93
Junction Connector
5
4
3
W-B
L92
Junction Connector
3
7
W-B
V
V
L
L
L1
L3


L7(A), L8(B)
Main Body ECU
BECU
ALTB
ACC
IG
30
31
29
32
18
2C
(IG)
(ACC)
(BAT)
(BAT)
10A
ECU–IG
NO. 1
10A
ECU–
ACC
25A
DOOR
NO. 1
7. 5A
ECU–B
2
1
Y
Y

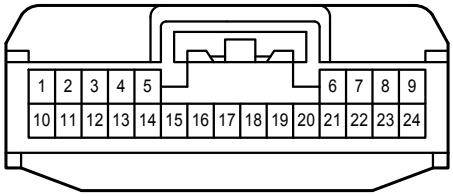

A58
Skid Control ECU
with Actuator Assembly
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
SP1
22
9
20
7
31
32
18
5
11
W
B
W
B
R
G
P
L
V
18
AL2
V
V
Rear Speed
Sensors
Front Speed
Sensors

V
V
L
L


(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
18
19
B
IG+
I/F
CPU
I/F
I/F
I/F
SI
+S
LVWG
ES
L27
Combination Meter Assembly
8
7
6
30
V
V
L
BR
16
17
L89
Junction
Connector
21
4A
56
4A
85
3B
26
3A
V
V
L
L2

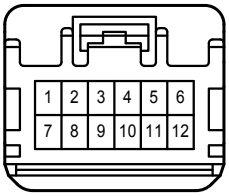
A 14
Gray

A 48
White

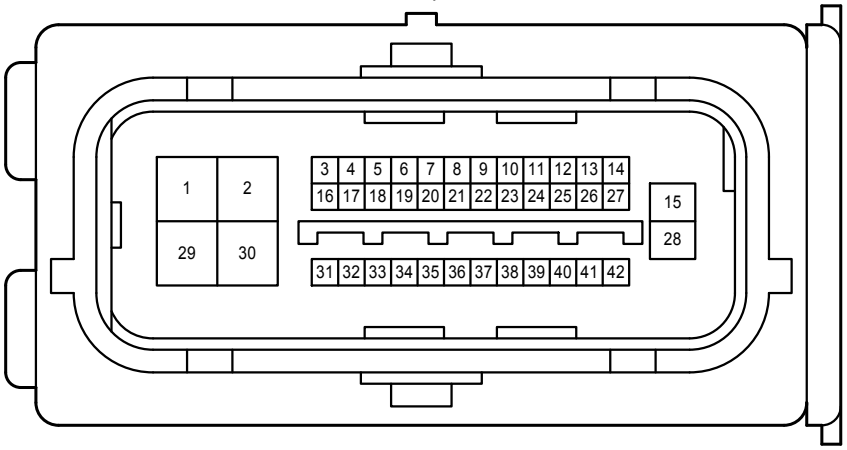


A 49
Gray

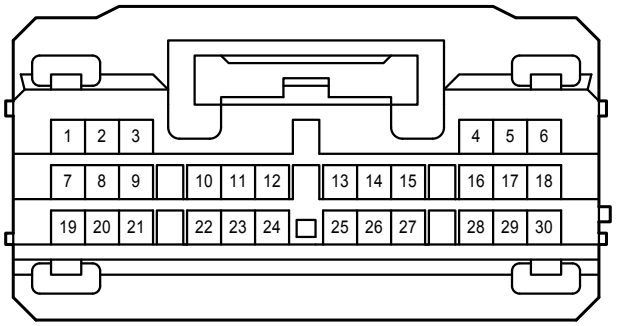
A 56
White



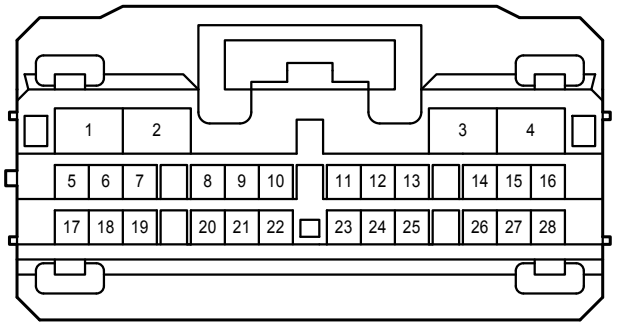
A 58
Gray



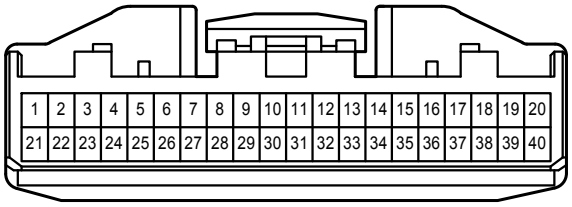
L 7
White



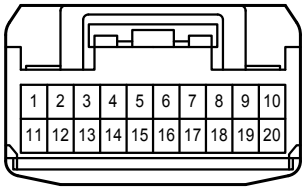
L 8
White



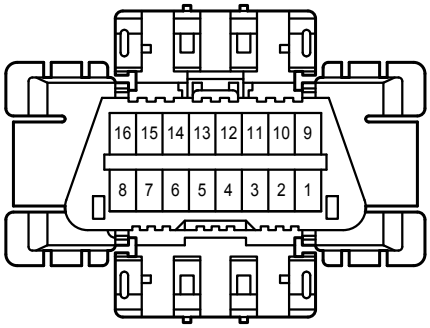
L 27
White



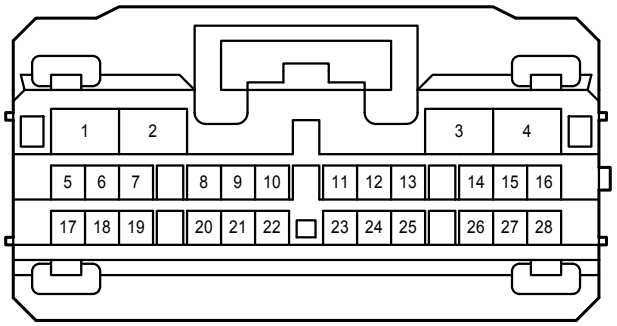
L 47
White



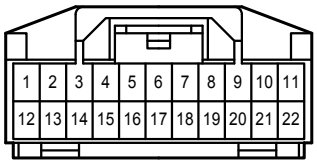
L 61
White



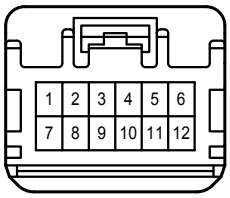
L 65
White



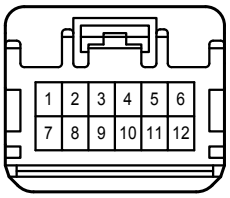
L 89
Black



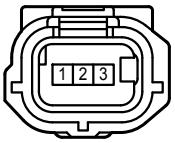
L 92
White



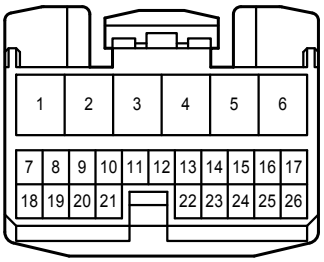
L 93
White



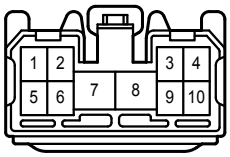
S 3
Black



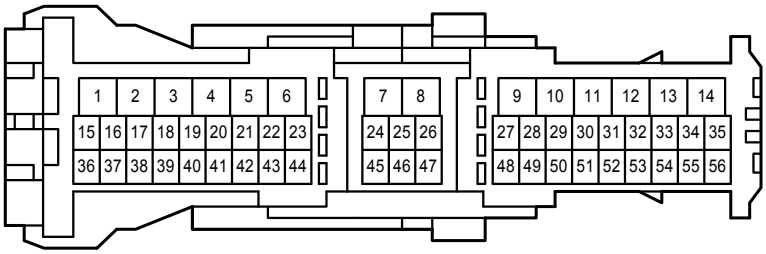
1G
White



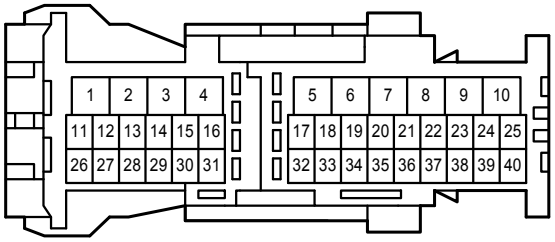
1H
White



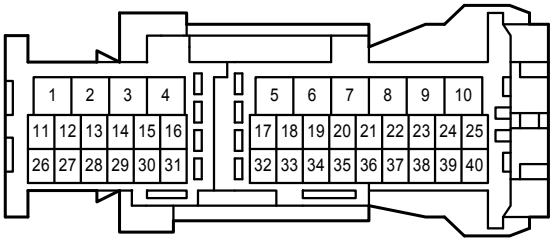
2A
White



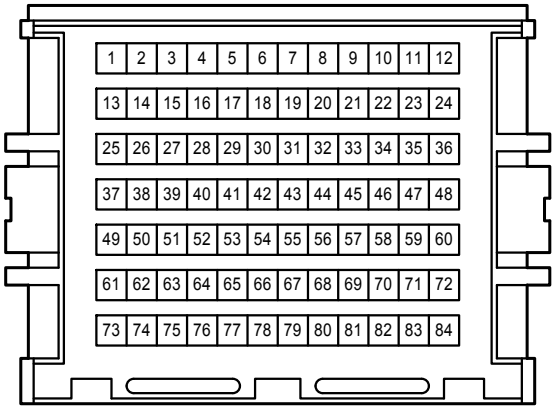
2B
White



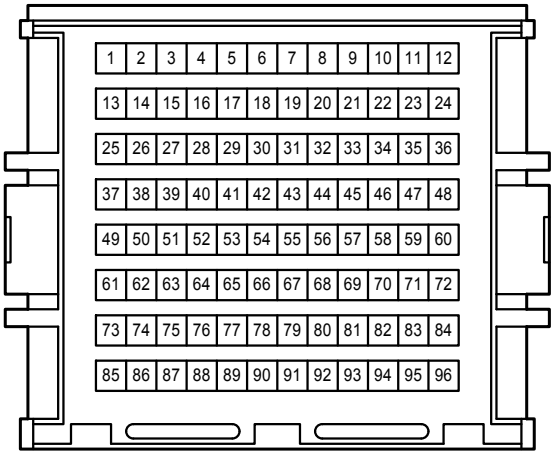
2C
White



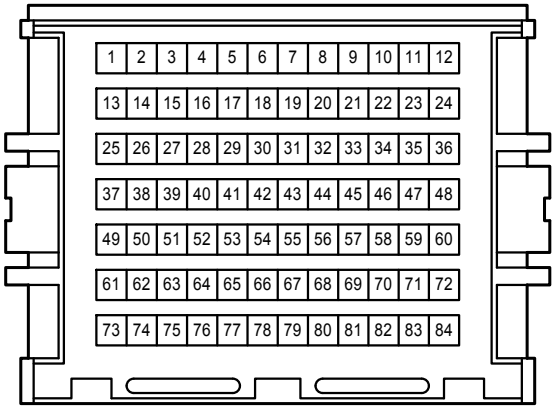
3A
White



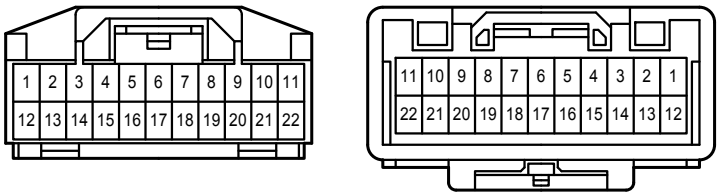
3B
White



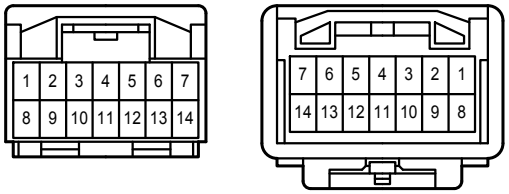
4A
White

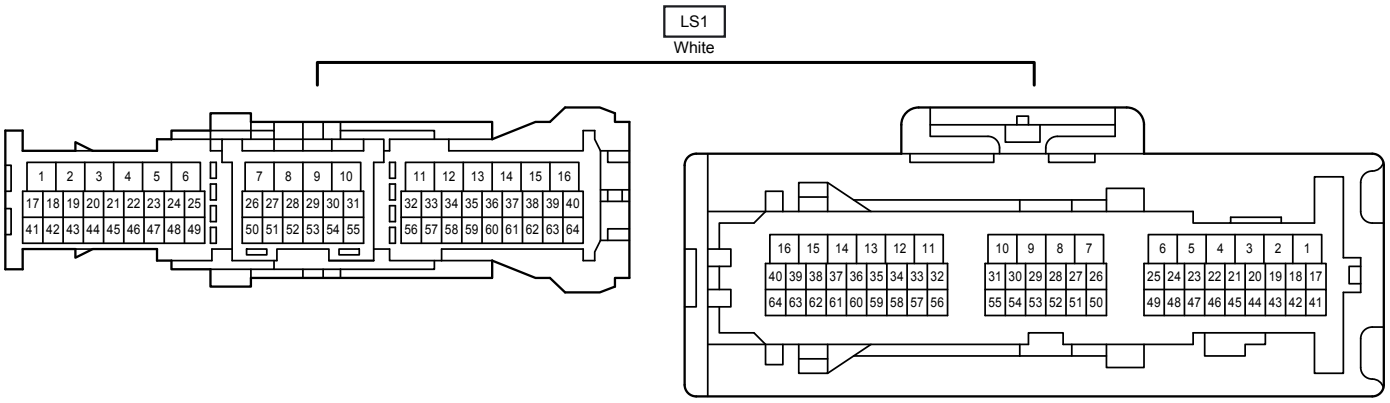


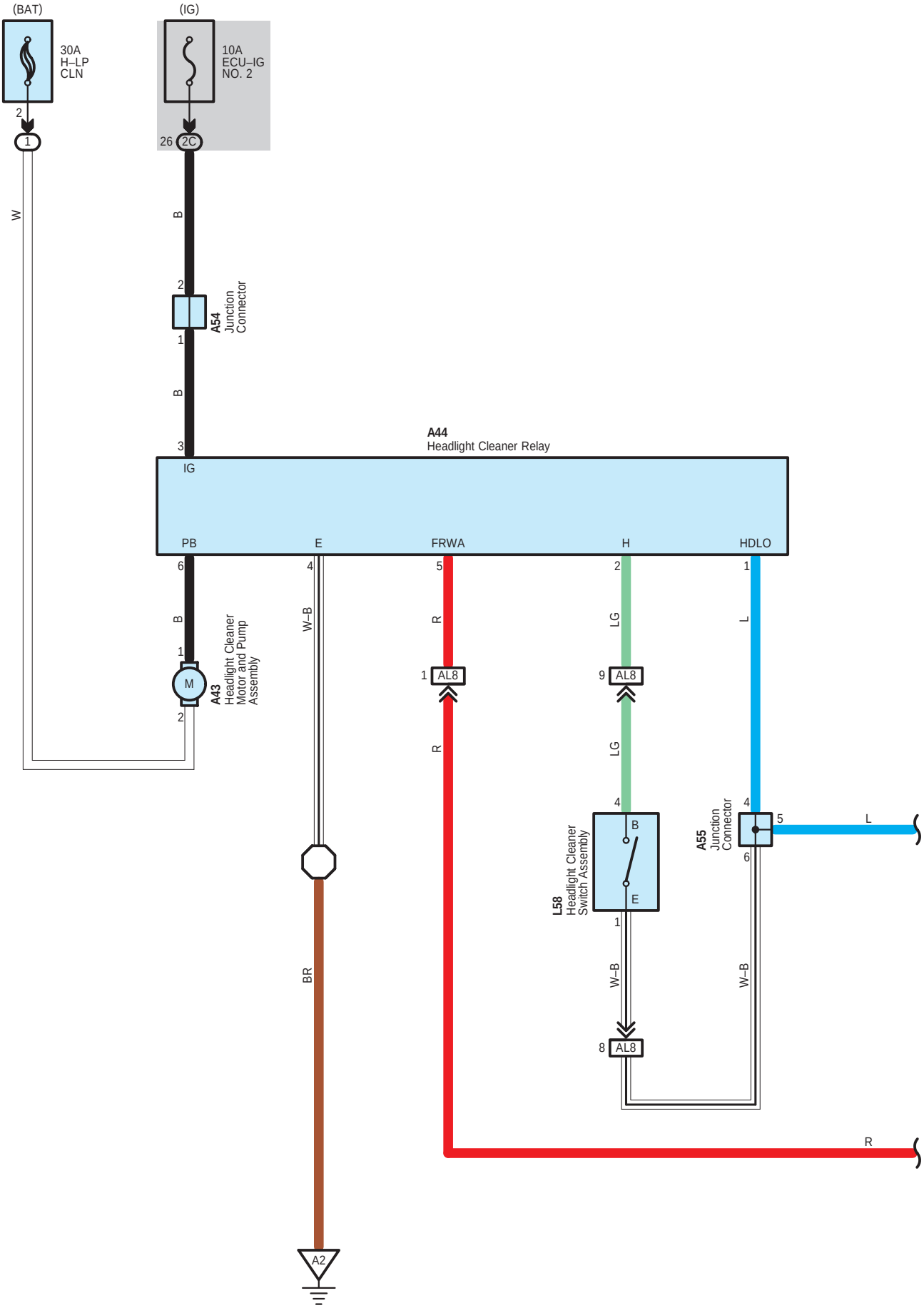
AL2
Gray

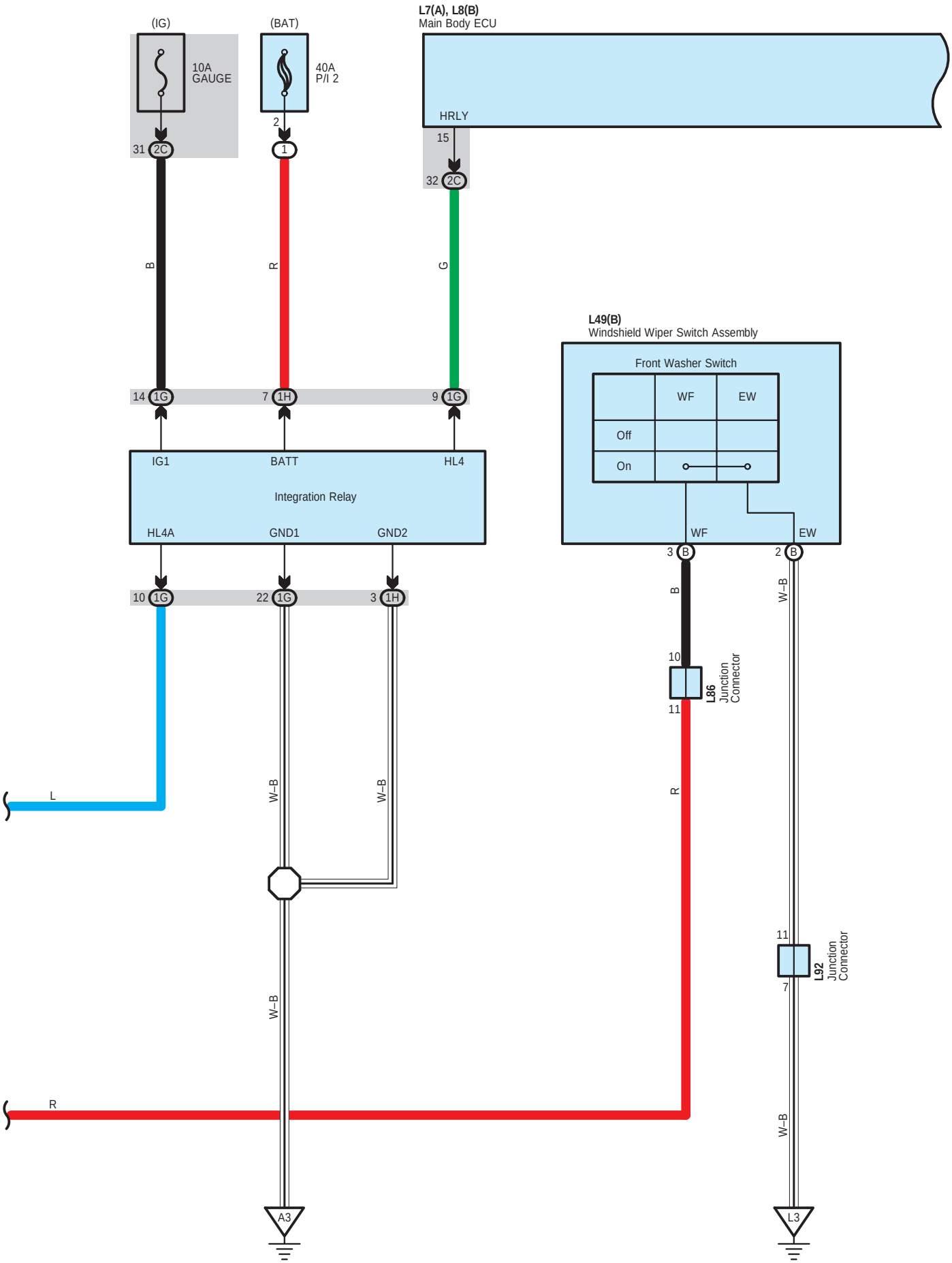


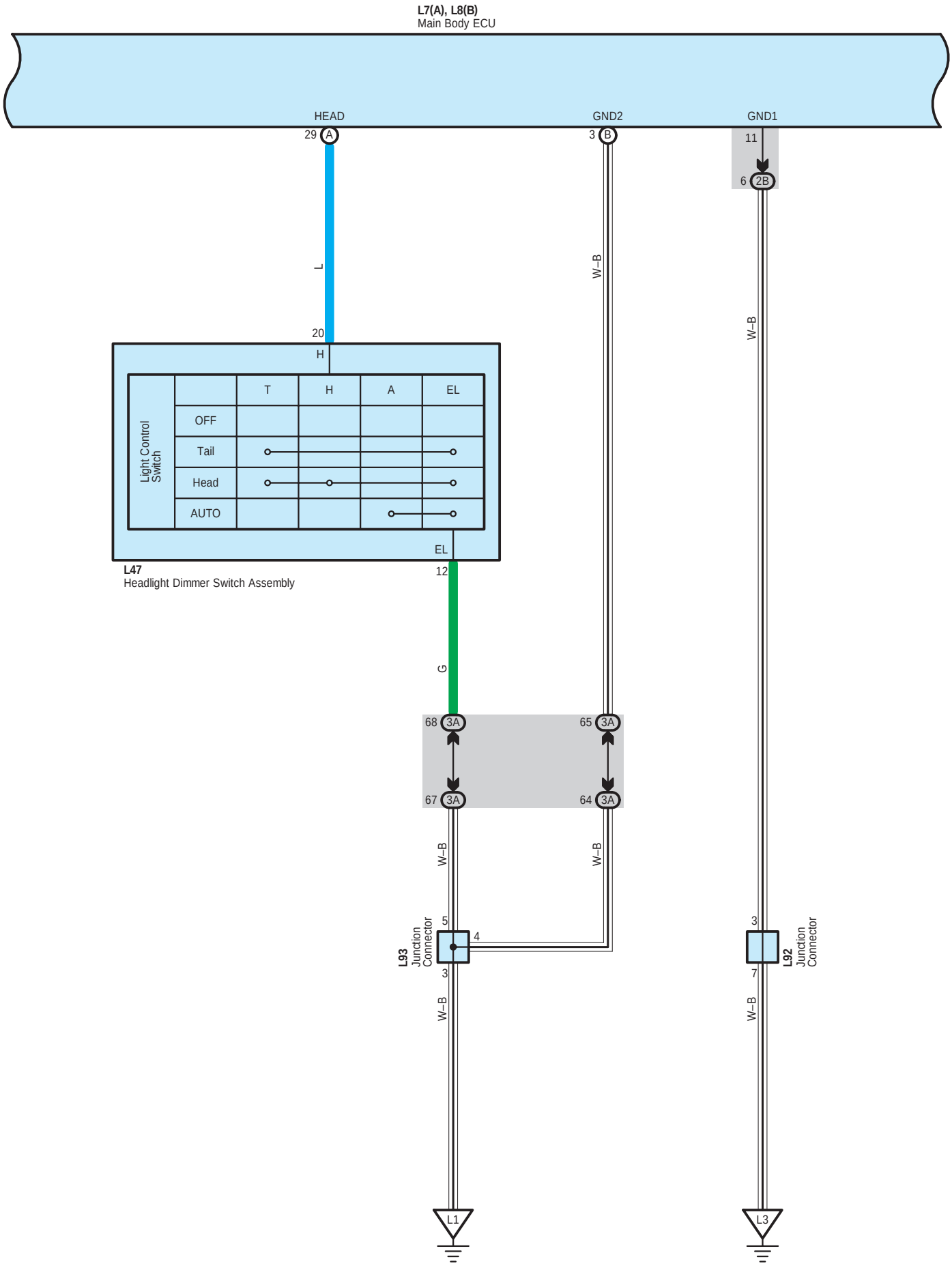
AL7
Black

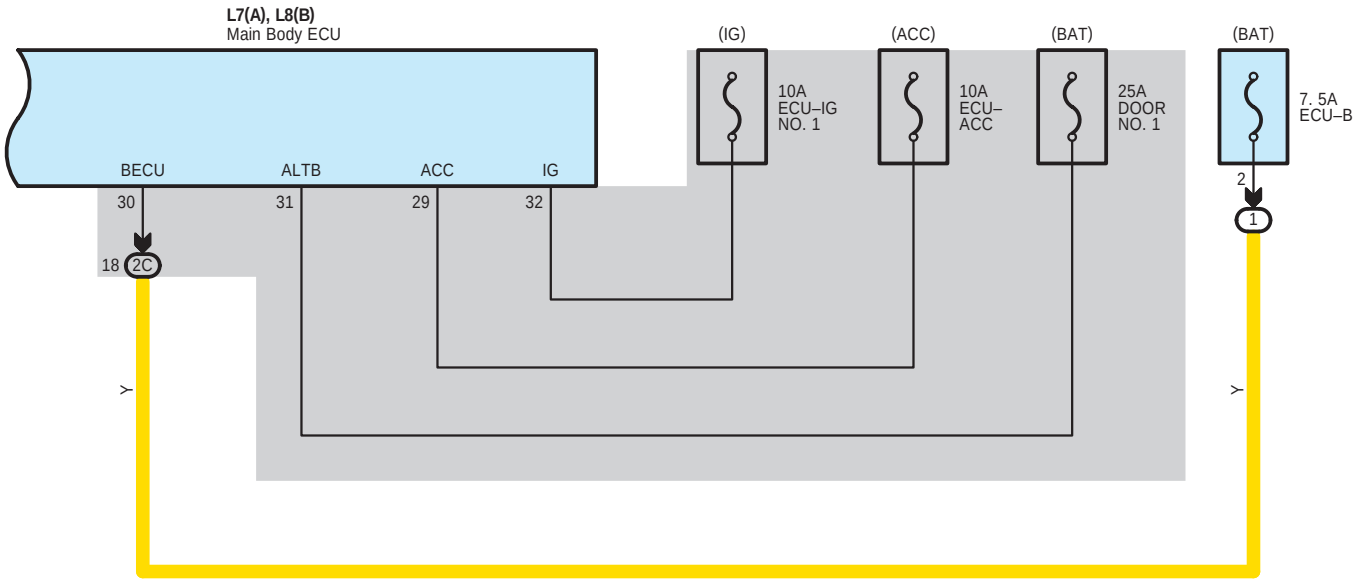



LS1
White
1 2 3 4 5 6
17 18 19 20 21 22 23 24 25
41 42 43 44 45 46 47 48 49
7 8 9 10
26 27 28 29 30 31
50 51 52 53 54 55
11 12 13 14 15 16
32 33 34 35 36 37 38 39 40
56 57 58 59 60 61 62 63 64
16 15 14 13 12 11
40 39 38 37 36 35 34 33 32
64 63 62 61 60 59 58 57 56
10 9 8 7
31 30 29 28 27 26
55 54 53 52 51 50
6 5 4 3 2 1
25 24 23 22 21 20 19 18 17
49 48 47 46 45 44 43 42 41

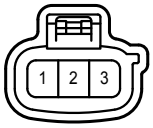

(BAT)
(IG)
30A
H–LP
CLN
10A
ECU–IG
NO. 2
2
1
26
2C
W
B
2
A54
Junction
Connector
1
B
3
A44
Headlight Cleaner Relay
IG
PB
E
FRWA
H
HDLO
6
4
5
2
1
B
W–B
R
LG
L
1
AL8
9
AL8
M
A43
Headlight Cleaner
Motor and Pump
Assembly
2
BR
A2
L58
Headlight Cleaner
Switch Assembly
B
E
A55
Junction
Connector
5
L
6
8
AL8
R


(IG)
(BAT)
10A
GAUGE
40A
P/I 2
L7(A), L8(B)
Main Body ECU
HRLY
15
32 2C
2
1
31 2C
B
R
G
L49(B)
Windshield Wiper Switch Assembly
Front Washer Switch
WF
EW
Off
On
14 1G
7 1H
9 1G
IG1
BATT
HL4
Integration Relay
HL4A
GND1
GND2
WF
EW
3 B
2 B
10 1G
22 1G
3 1H
B
W–B
10
L86
Junction
Connector
11
L
W–B
W–B
R
11
L92
Junction
Connector
7
W–B
R
A3
L3


L7(A), L8(B)
Main Body ECU
HEAD
GND2
GND1
29 A
3 B
11
6 2B
L
W–B
W–B
20
H
T
H
A
EL
OFF
Tail
Head
AUTO
Light Control Switch
EL
L47
Headlight Dimmer Switch Assembly
12
G
68 3A
65 3A
67 3A
64 3A
W–B
W–B
5
4
3
L93
Junction Connector
W–B
3
7
L92
Junction Connector
W–B
L1
L3

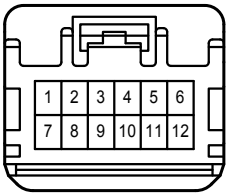

L7(A), L8(B)
Main Body ECU
BECU
ALTB
ACC
IG
30
31
29
32
18
2C
(IG)
(ACC)
(BAT)
(BAT)
10A
ECU–IG
NO. 1
10A
ECU–
ACC
25A
DOOR
NO. 1
7. 5A
ECU–B
2
1

A 43
Black

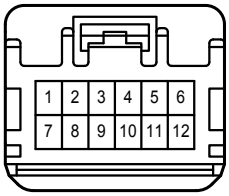


A 44
Gray

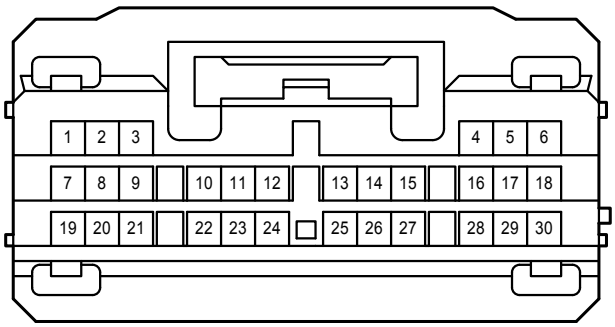
A 54
Black



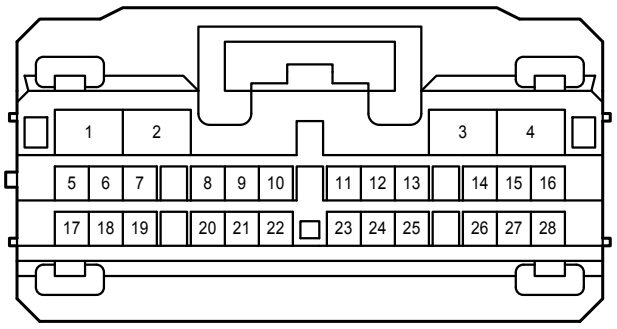
A 55
Black



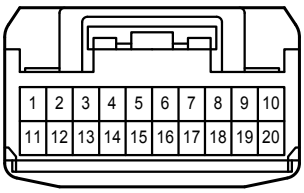
L 7
White



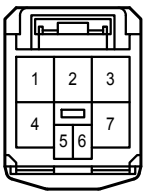
L 8
White



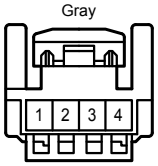
L 47
White



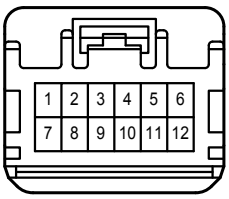
L 49
White



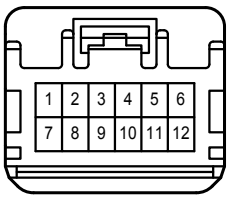
L 58
Gray



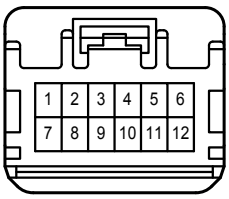
L 86
Black



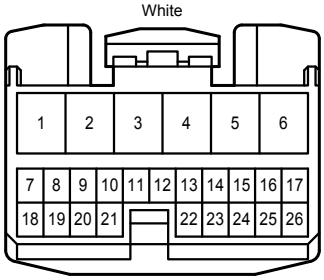
L 92
White



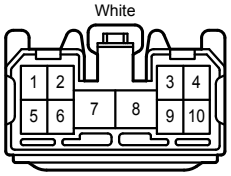
L 93
White



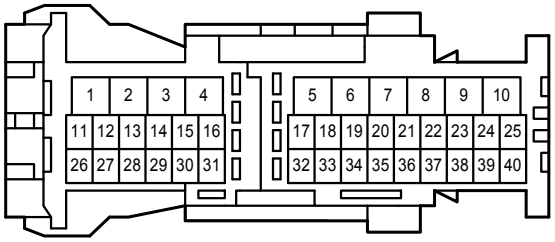
1G
White



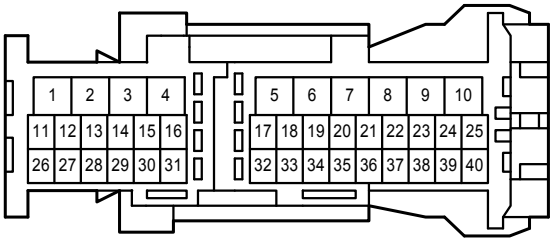
1H
White



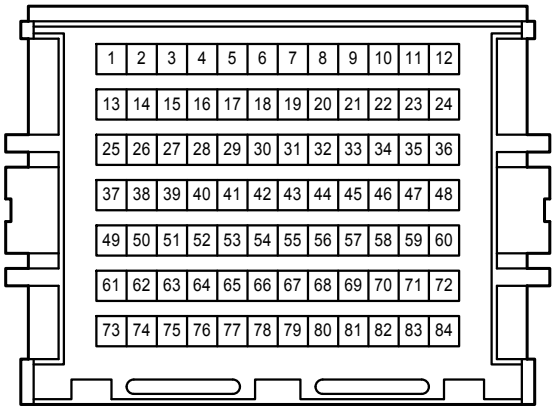
2B
White



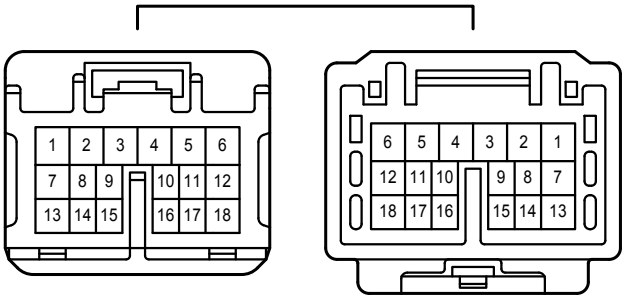
2C
White

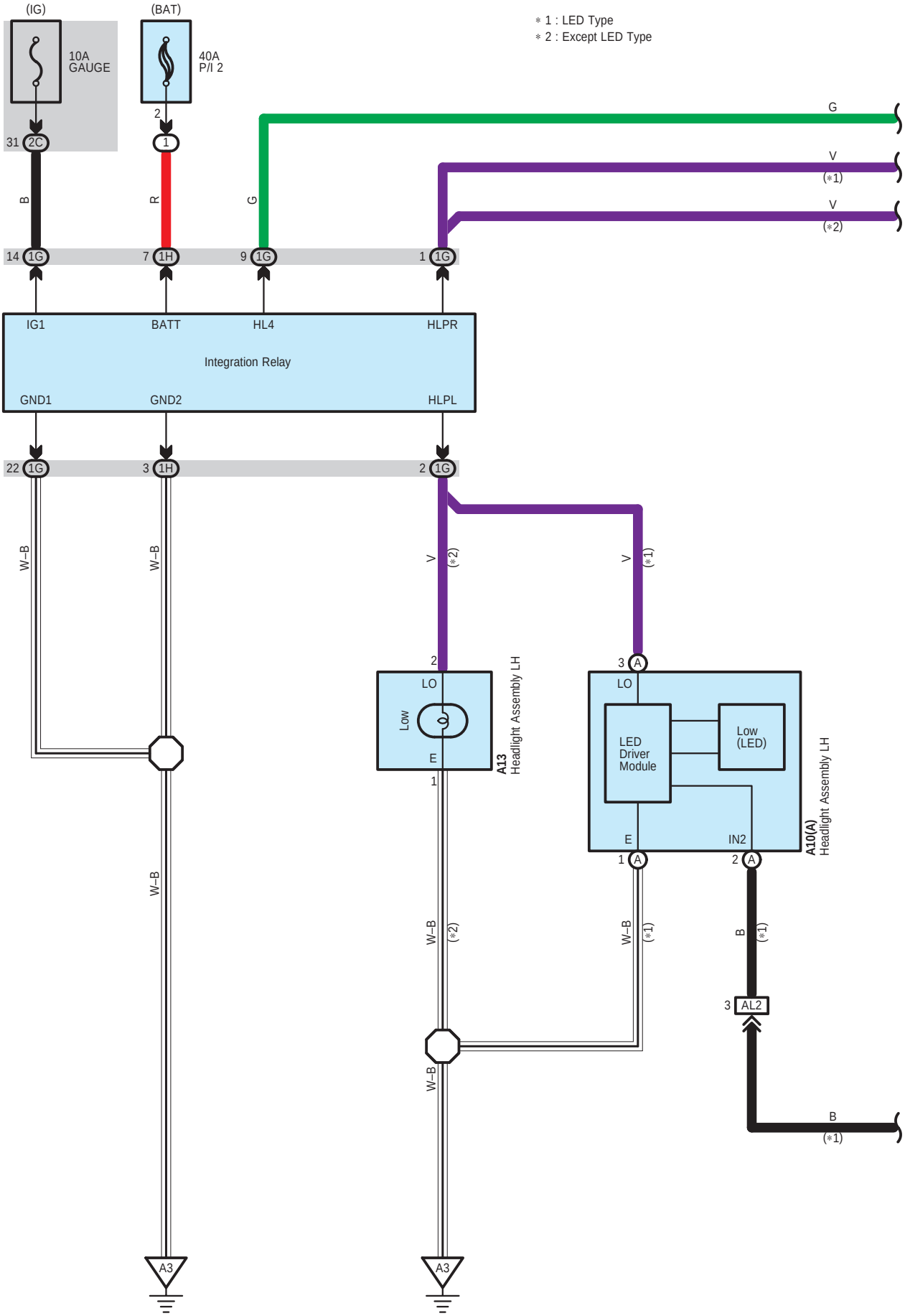


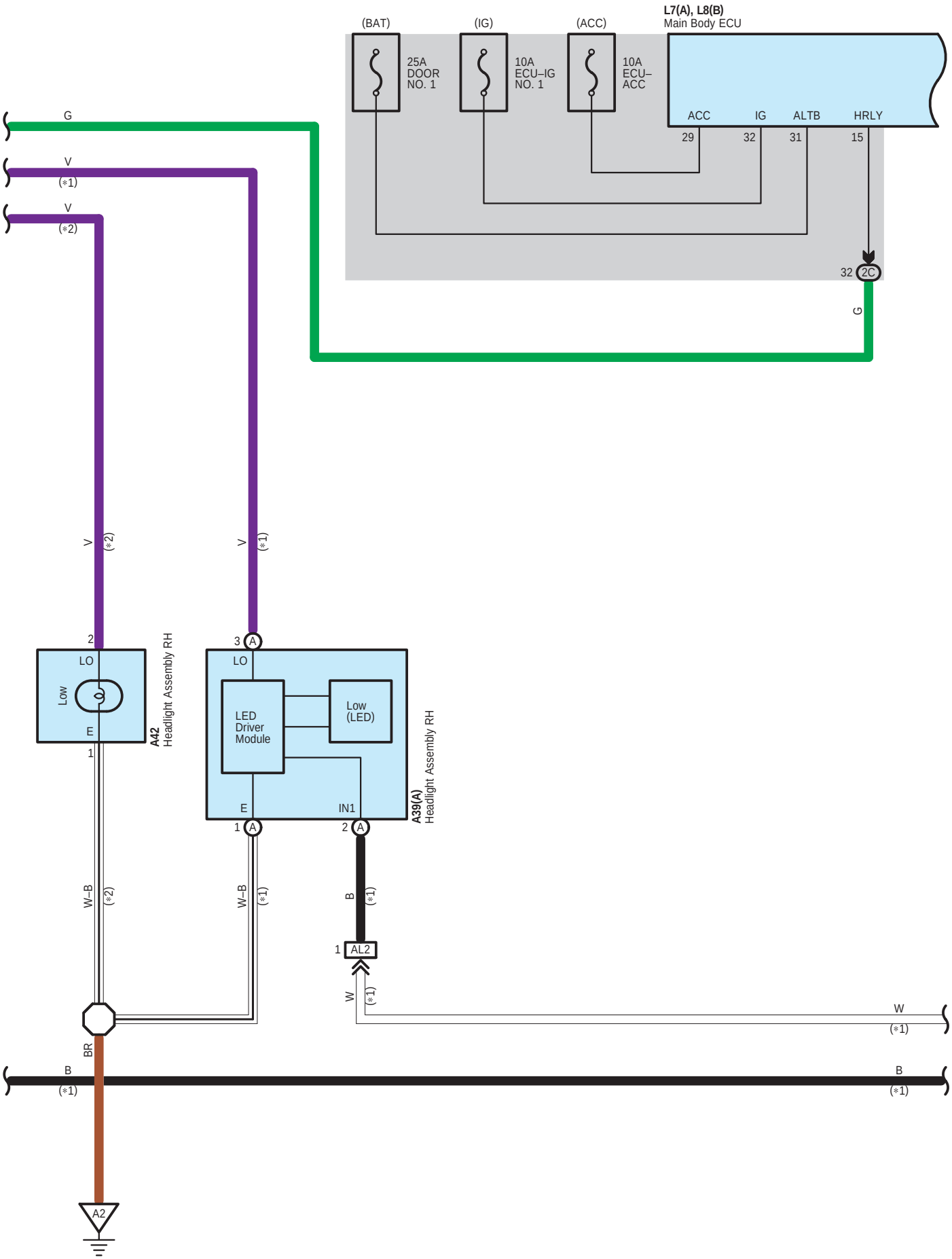
3A
White

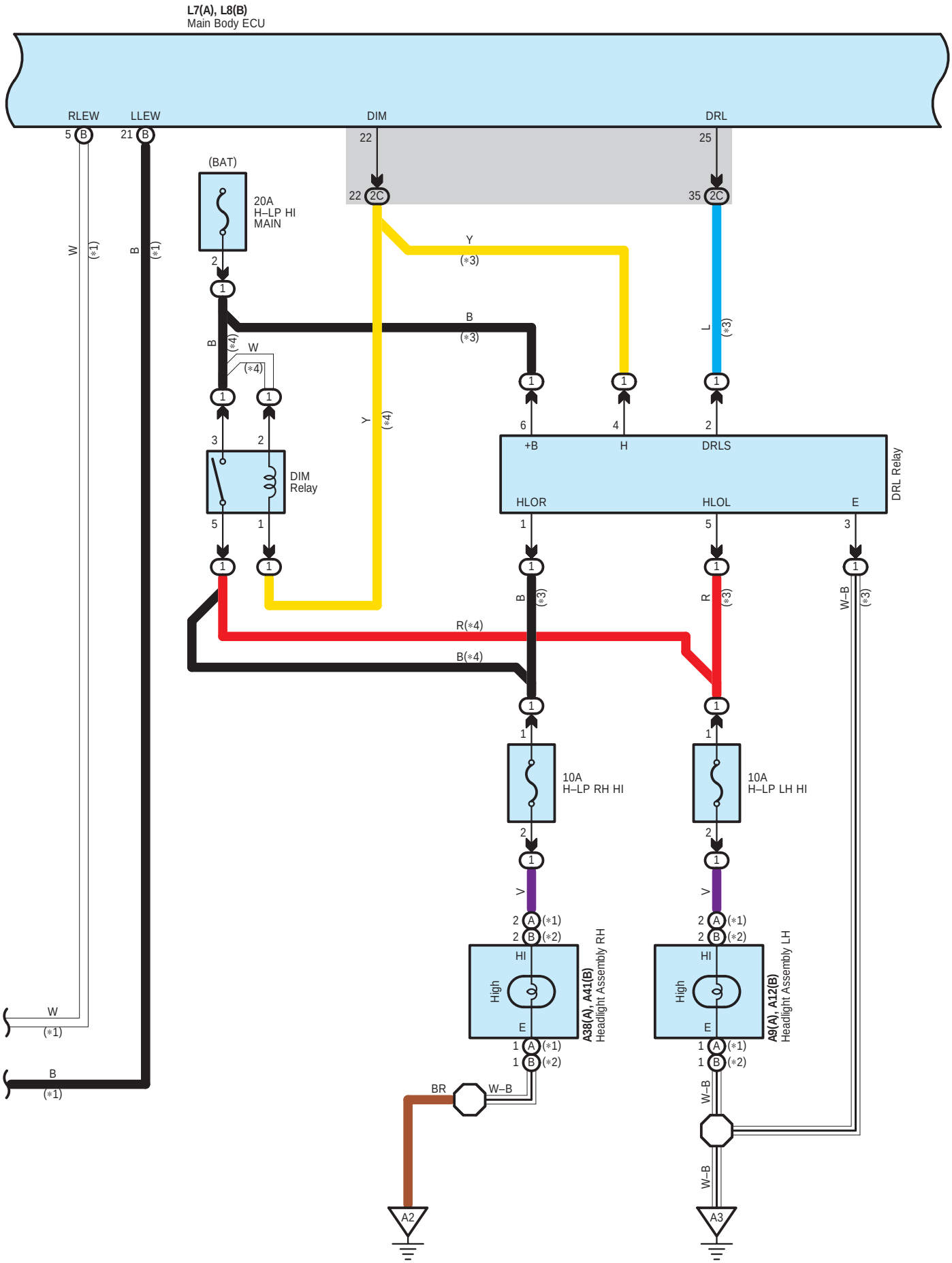


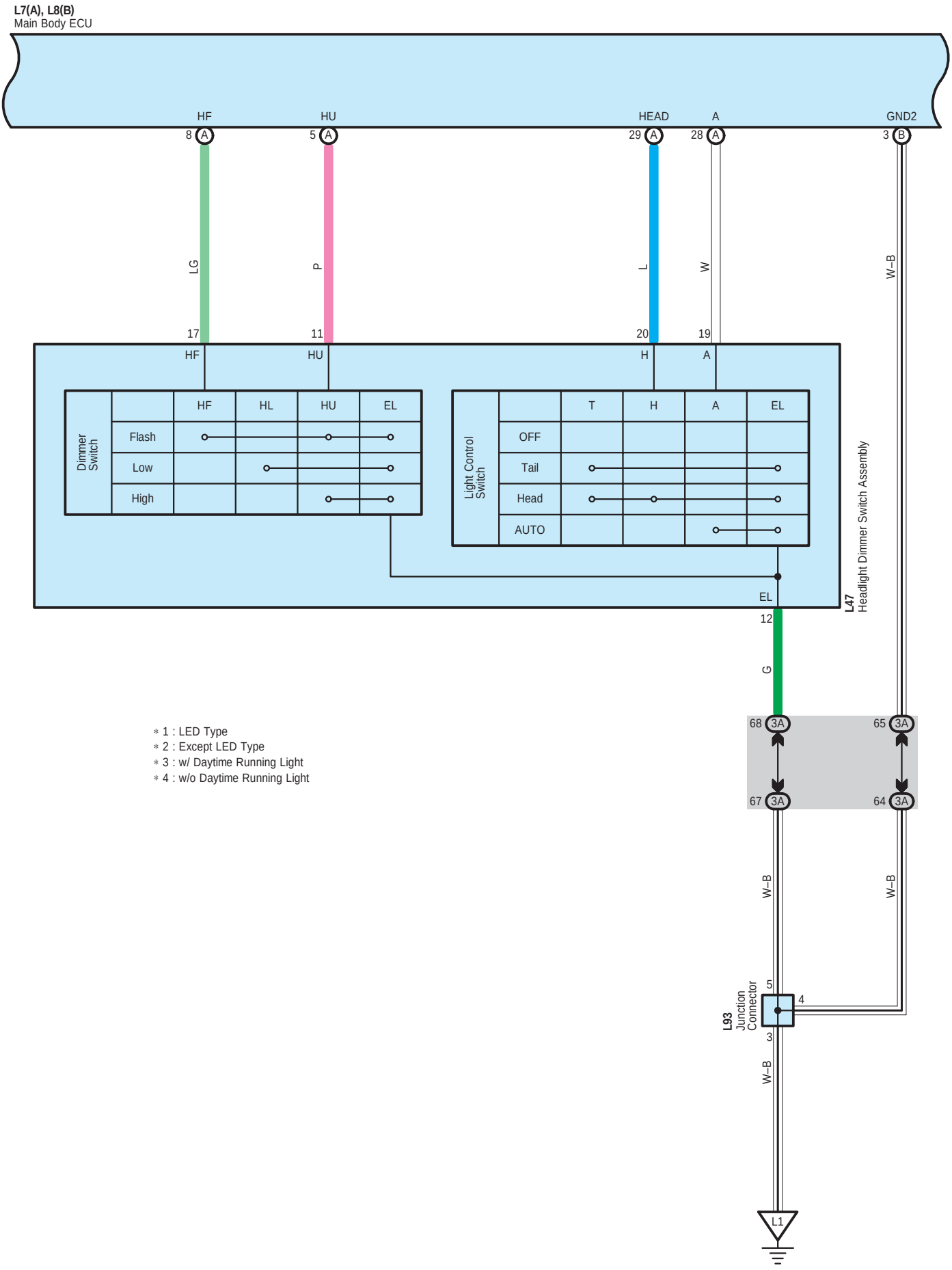
AL8
White

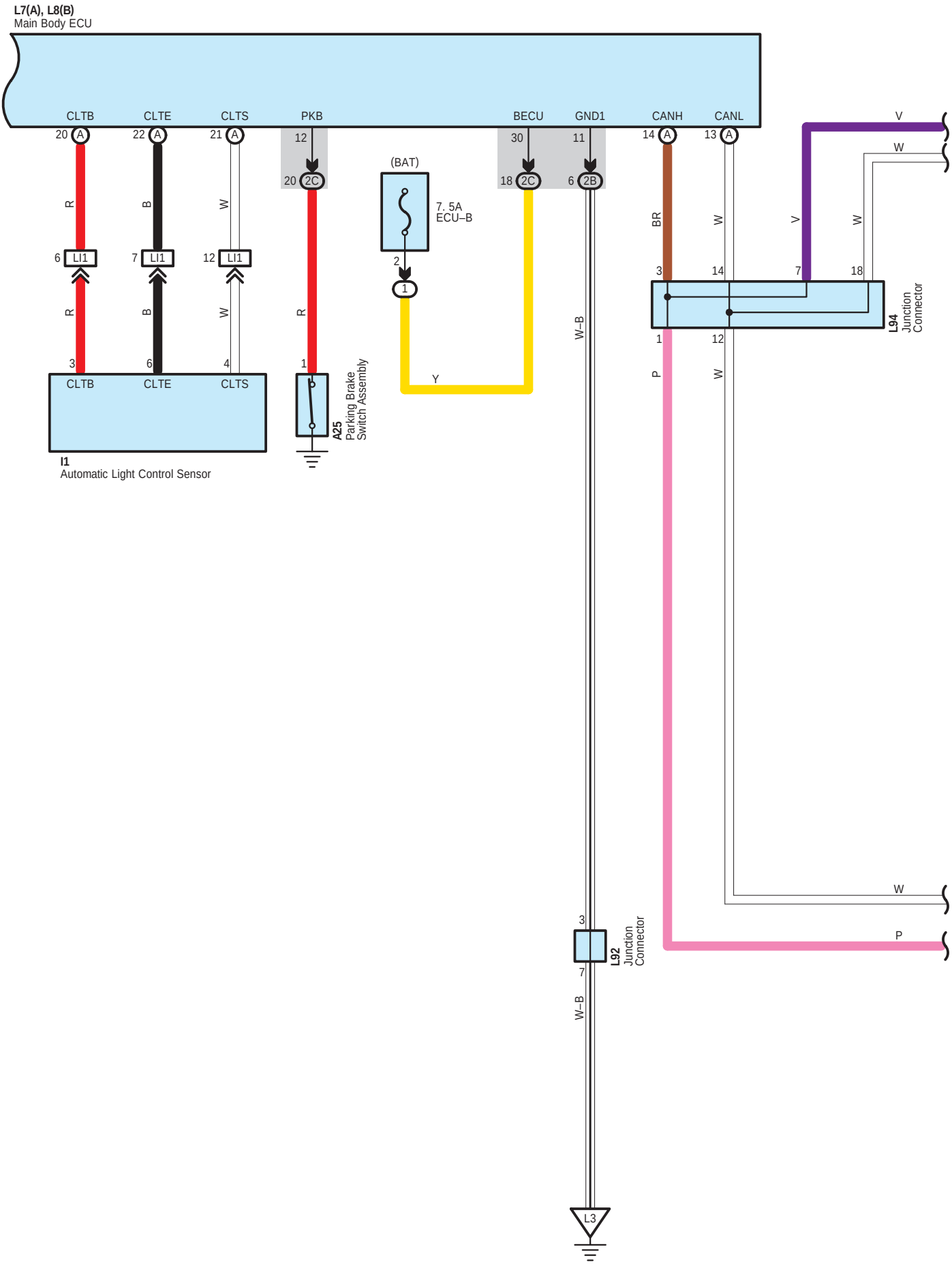


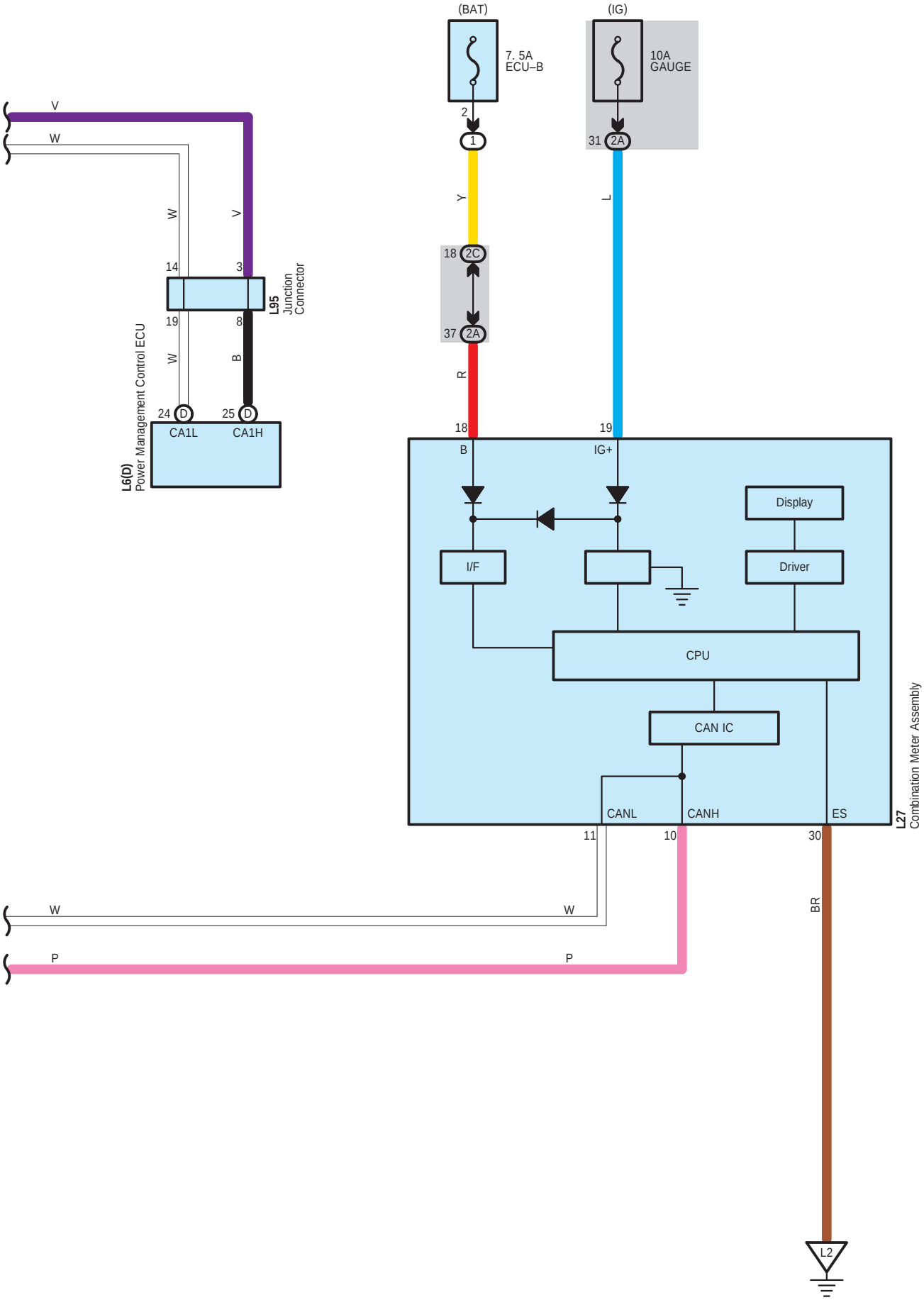

(IG)
(BAT)
10A
GAUGE
40A
P/I 2
＊1 : LED Type
＊2 : Except LED Type
G
V
(＊1)
V
(＊2)
31 2C
2
1
B
R
G
14 1G
7 1H
9 1G
1 1G
IG1
BATT
HL4
HLPR
Integration Relay
GND1
GND2
HLPL
22 1G
3 1H
2 1G
W–B
W–B
V
(＊2)
V
(＊1)
2
LO
Low
E
1
A13
Headlight Assembly LH
3 A
LO
LED
Driver
Module
Low
(LED)
E
IN2
1 A
2 A
A10(A)
Headlight Assembly LH
W–B
(＊2)
W–B
(＊1)
B
(＊1)
3 AL2
W–B
B
(＊1)
W–B
A3
A3


L7(A), L8(B)
Main Body ECU
(BAT)
(IG)
(ACC)
25A
DOOR
NO. 1
10A
ECU–IG
NO. 1
10A
ECU–
ACC
ACC
IG
ALTB
HRLY
29
32
31
15
32
2C
G
V
(*1)
V
(*2)
G
V
(*2)
V
(*1)
2
LO
Low
E
A42
Headlight Assembly RH
1
3
A
LO
LED
Driver
Module
Low
(LED)
E
IN1
1
A
2
A
A39(A)
Headlight Assembly RH
W–B
(*2)
W–B
(*1)
B
(*1)
1
AL2
W
(*1)
W
(*1)
BR
B
(*1)
B
(*1)
A2


L7(A), L8(B)
Main Body ECU
RLEW
LLEW
DIM
DRL
(BAT)
20A
H–LP HI
MAIN
DIM
Relay
DRL Relay
+B
H
DRLS
HLOR
HLOL
E
10A
H–LP RH HI
10A
H–LP LH HI
HI
High
A38(A), A41(B)
Headlight Assembly RH
A9(A), A12(B)
Headlight Assembly LH
BR
W–B
A2
A3


L7(A), L8(B)
Main Body ECU
HF
HU
HEAD
A
GND2
8 A
5 A
29 A
28 A
3 B
LG
P
L
W
W–B
17
11
20
19
HF
HU
H
A
Dimmer Switch
HF
HL
HU
EL
Flash
Low
High
Light Control Switch
T
H
A
EL
OFF
Tail
Head
AUTO
EL
12
G
L47
Headlight Dimmer Switch Assembly
68 3A
65 3A
67 3A
64 3A
W–B
W–B
L93
Junction Connector
5
4
3
W–B
L1
∗ 1 : LED Type
∗ 2 : Except LED Type
∗ 3 : w/ Daytime Running Light
∗ 4 : w/o Daytime Running Light


L7(A), L8(B)
Main Body ECU
CLTB
CLTE
CLTS
PKB
BECU
GND1
CANH
CANL
20 A
22 A
21 A
12
20 2C
30
18 2C
11
6 2B
14 A
13 A
R
B
W
6 LI1
7 LI1
12 LI1
3
6
4
CLTB
CLTE
CLTS
I1
Automatic Light Control Sensor
(BAT)
7. 5A
ECU–B
2
1
Y
1
A25
Parking Brake
Switch Assembly
W–B
BR
V
W
3
14
7
18
1
12
P
L94
Junction
Connector
3
7
L92
Junction
Connector
L3

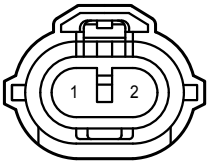

(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
18
19
B
IG+
V
W
W
V
14
3
19
8
W
B
L95
Junction
Connector
24
D
25
D
CA1L
CA1H
L6(D)
Power Management Control ECU
Display
I/F
Driver
CPU
CAN IC
CANL
CANH
ES
11
10
30
L27
Combination Meter Assembly
W
W
P
P
BR
L2

A 9
Black

A 10
Gray

A 12
Black

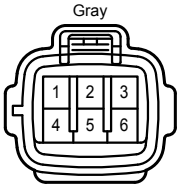
A 13
Black



A 25
White

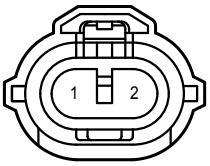
A 38
Black

A 39
Gray

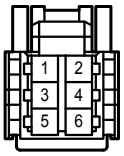


A 41
Black

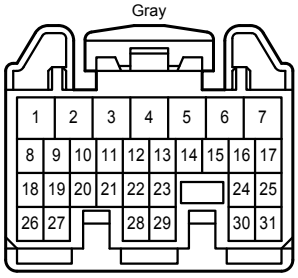
A 42
Black



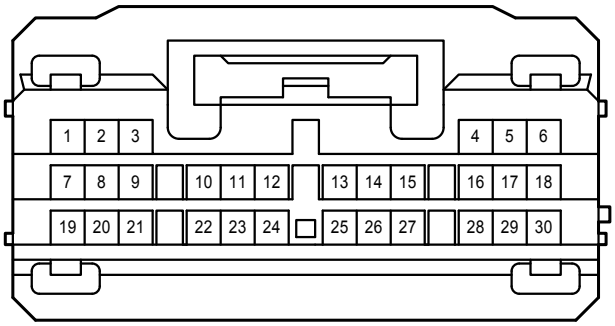
I 1
Black



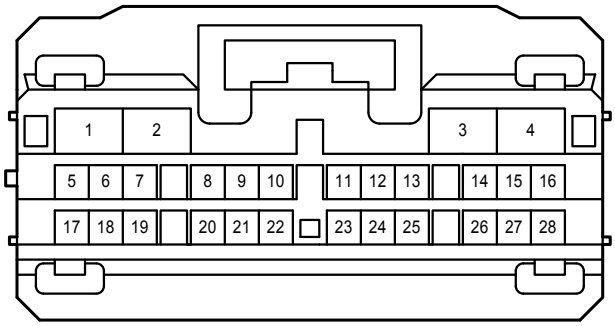
L 6
Gray



L 7
White



L 8
White



L 27
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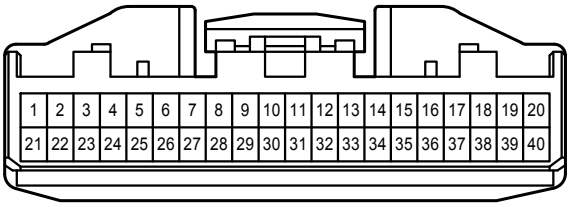

L 47
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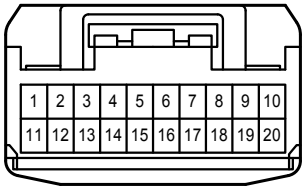
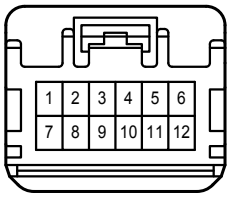


L 92
White



L 93
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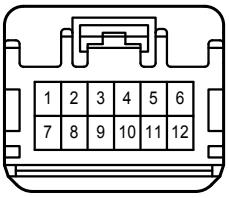

L 94
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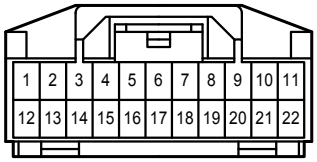

L 95
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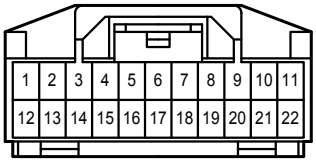
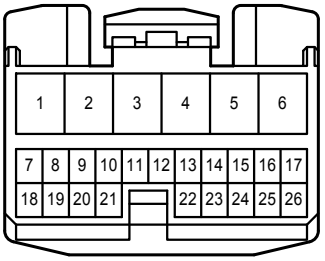
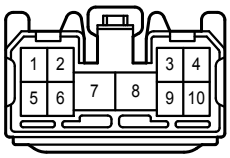


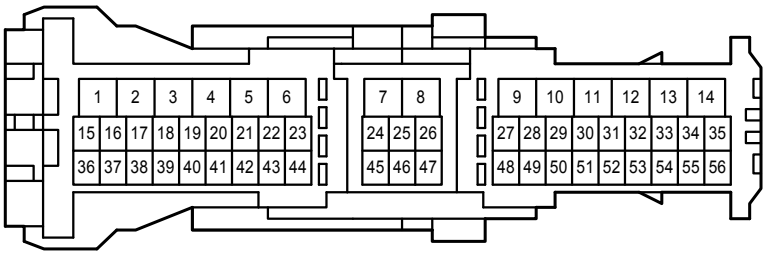
1G
White



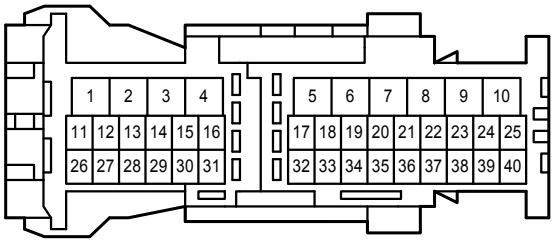
1H
White



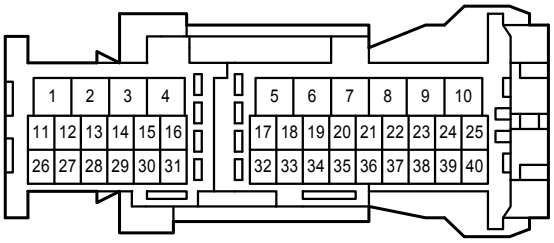
2A
White



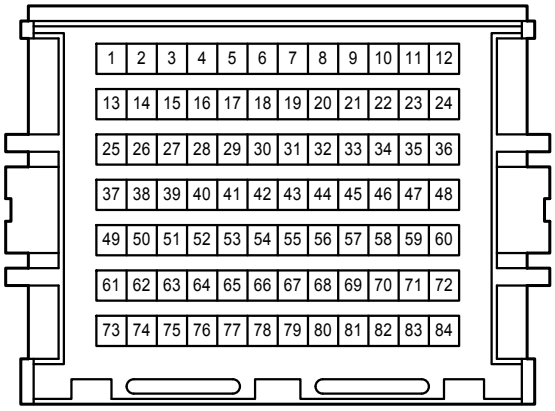
2B
White



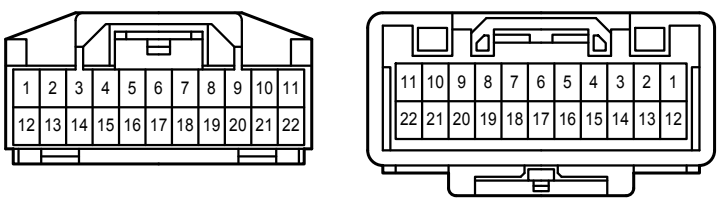
2C
White

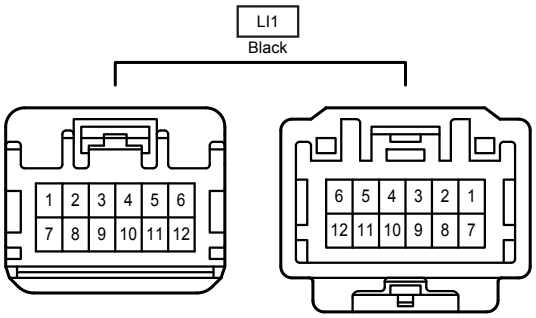


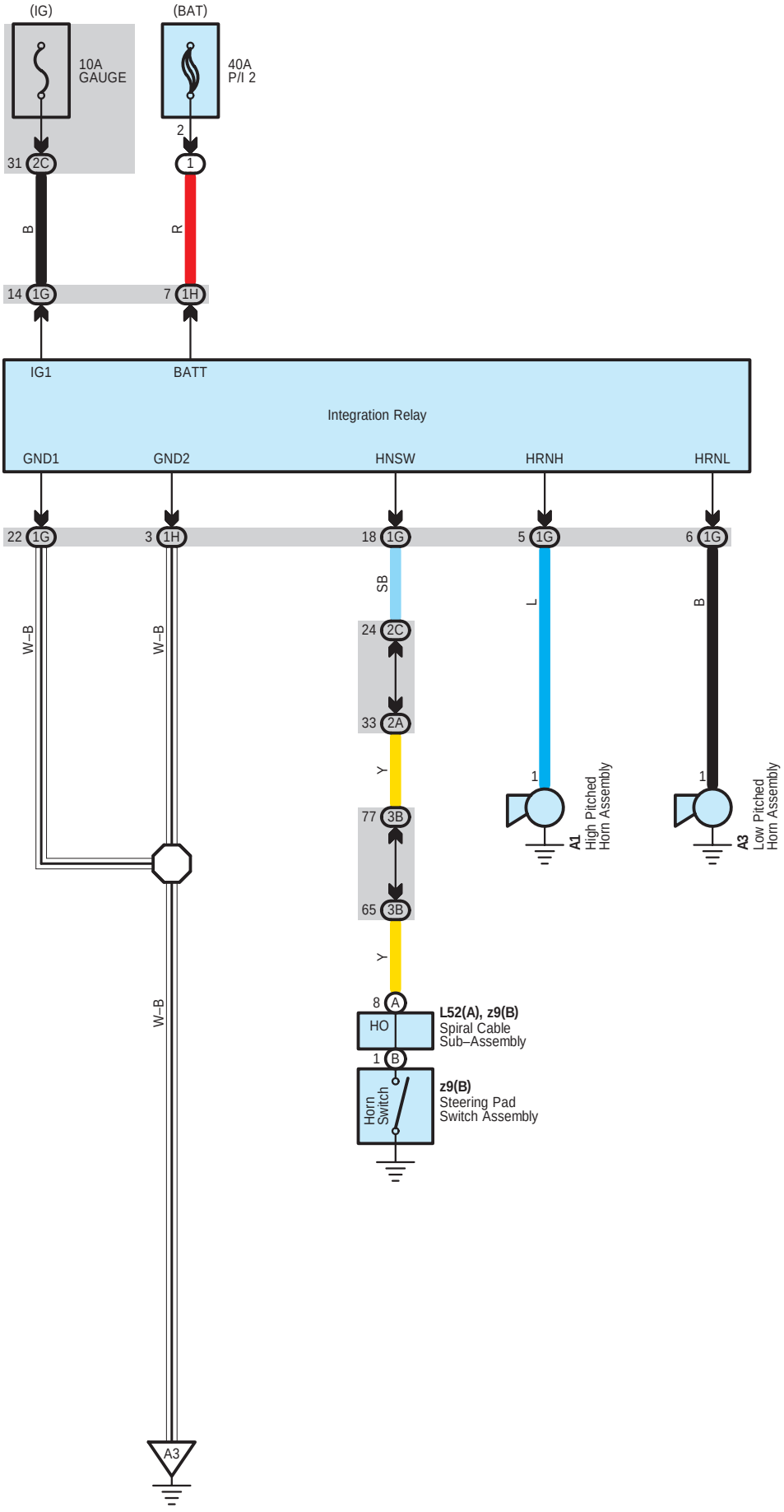
3A
White



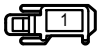
AL2
Gray



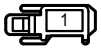

LI1
Black
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7


(IG)
(BAT)
10A
GAUGE
40A
P/I 2
2
31 2C
1
B
R
14 1G
7 1H
IG1
BATT
Integration Relay
GND1
GND2
HNSW
HRNH
HRNL
22 1G
3 1H
18 1G
5 1G
6 1G
W–B
W–B
SB
L
B
24 2C
33 2A
Y
1
1
A1
High Pitched
Horn Assembly
A3
Low Pitched
Horn Assembly
77 3B
65 3B
Y
W–B
8 A
HO
L52(A), z9(B)
Spiral Cable
Sub–Assembly
1 B
Horn
Switch
z9(B)
Steering Pad
Switch Assembly
A3

A 1
Black

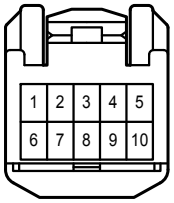


A 3
Black

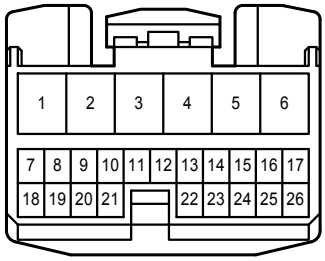


L 52
Black

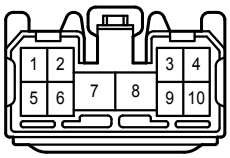
z 9
Black



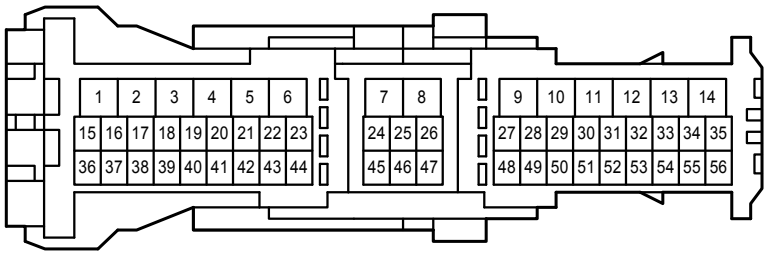
1G
White



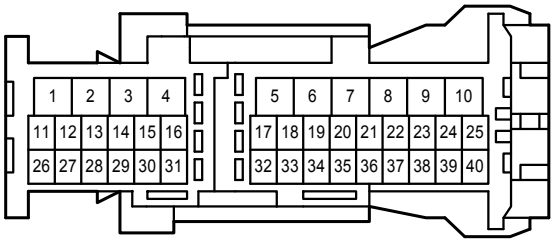
1H
White



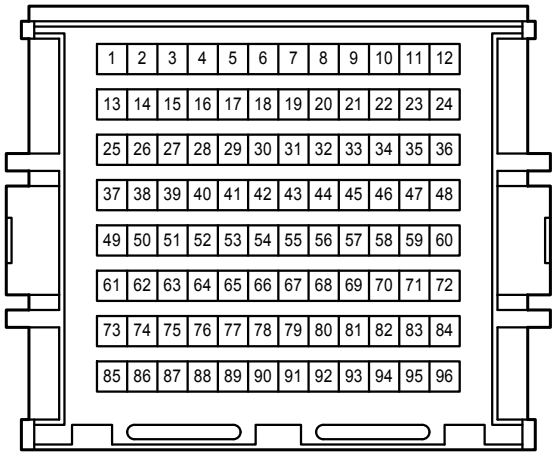
2A
White

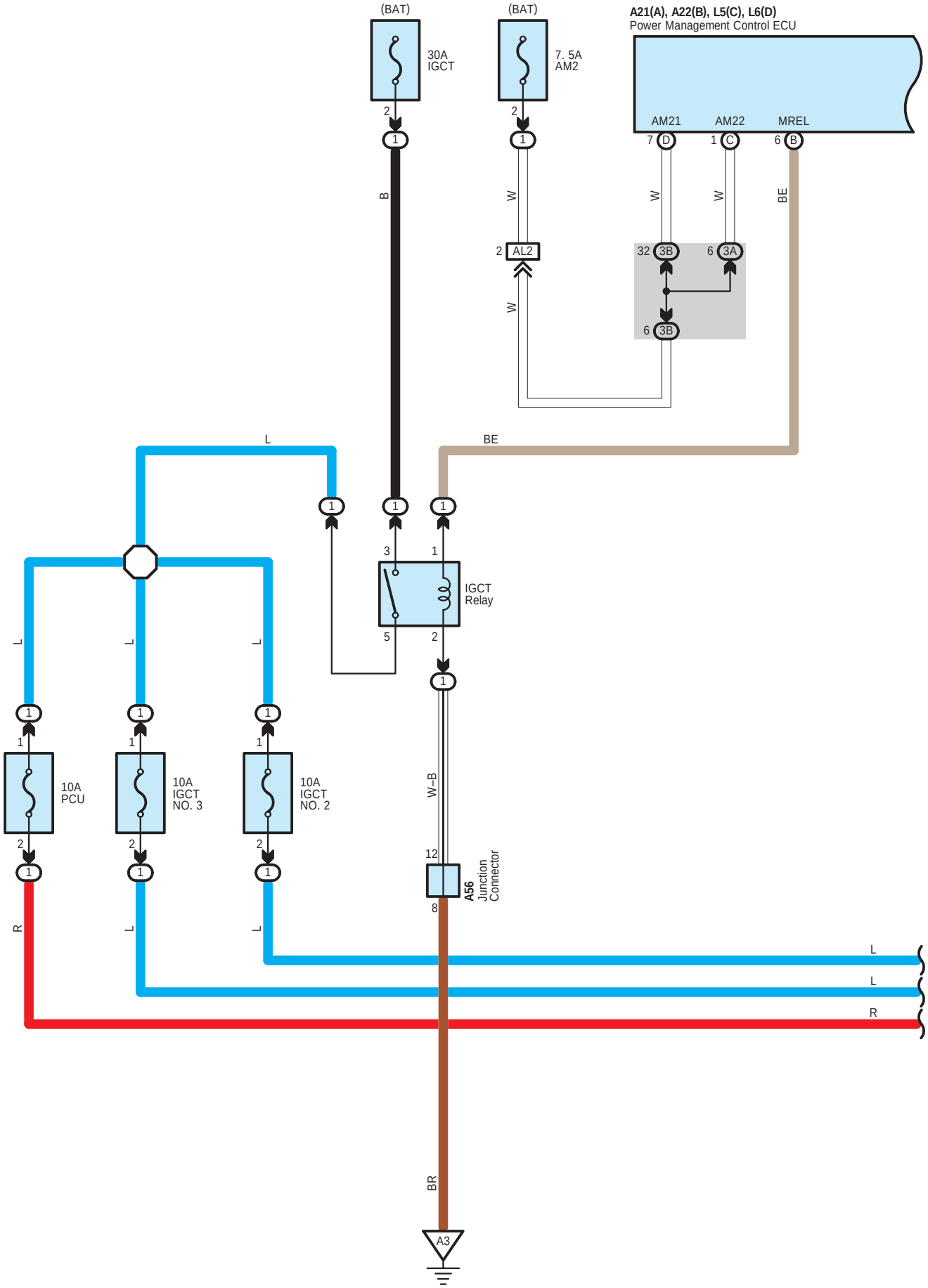


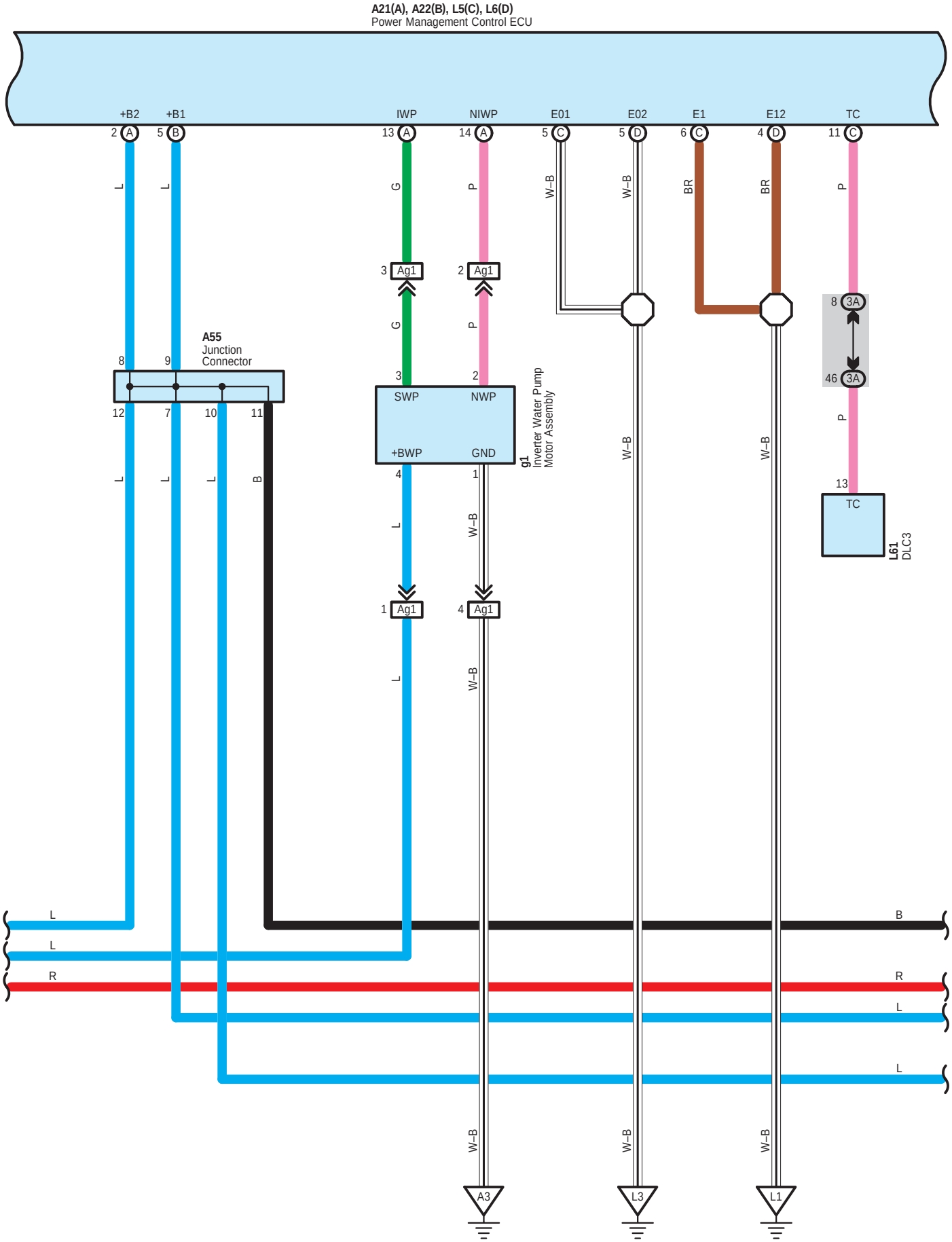
2C
White

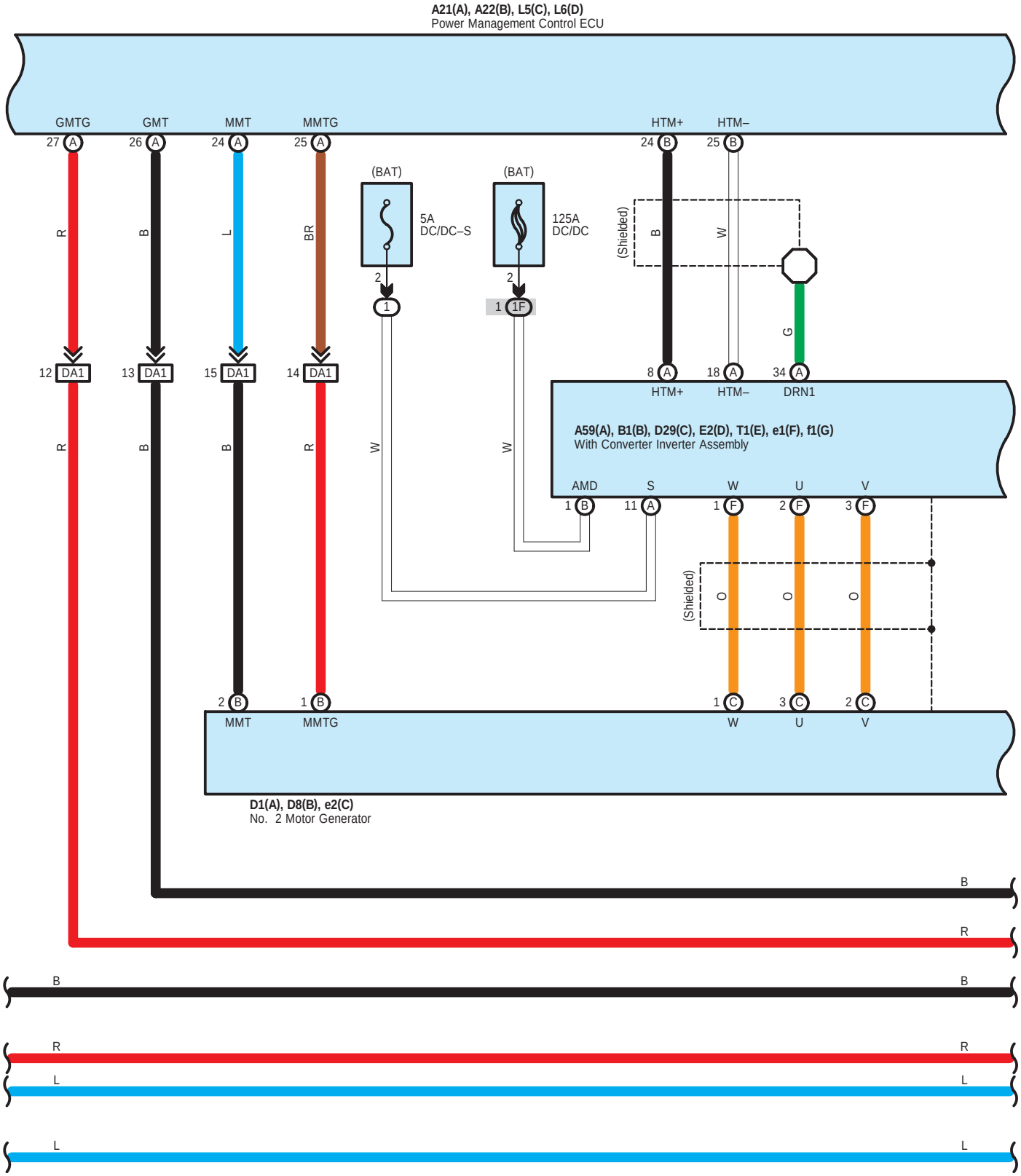


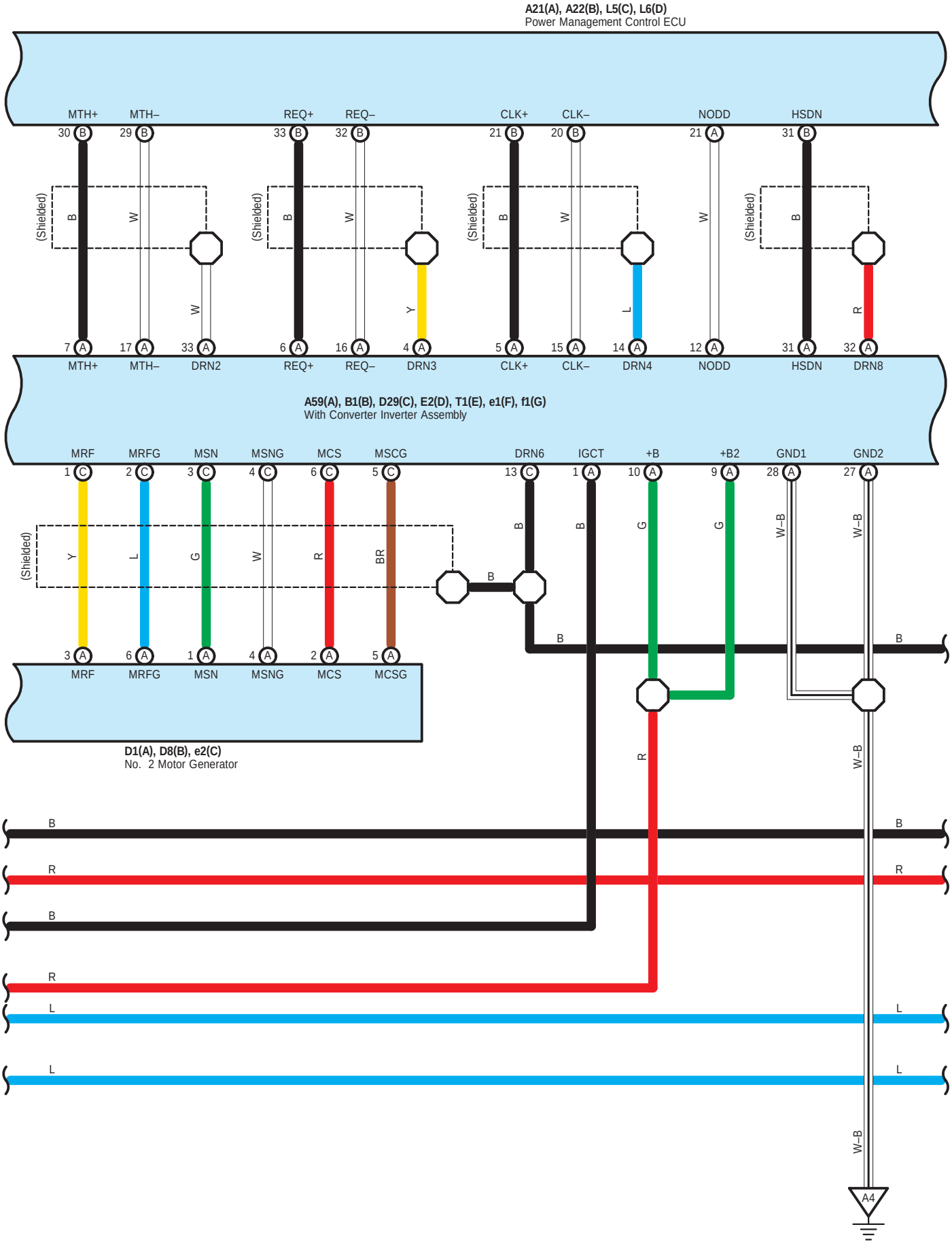
3B
White

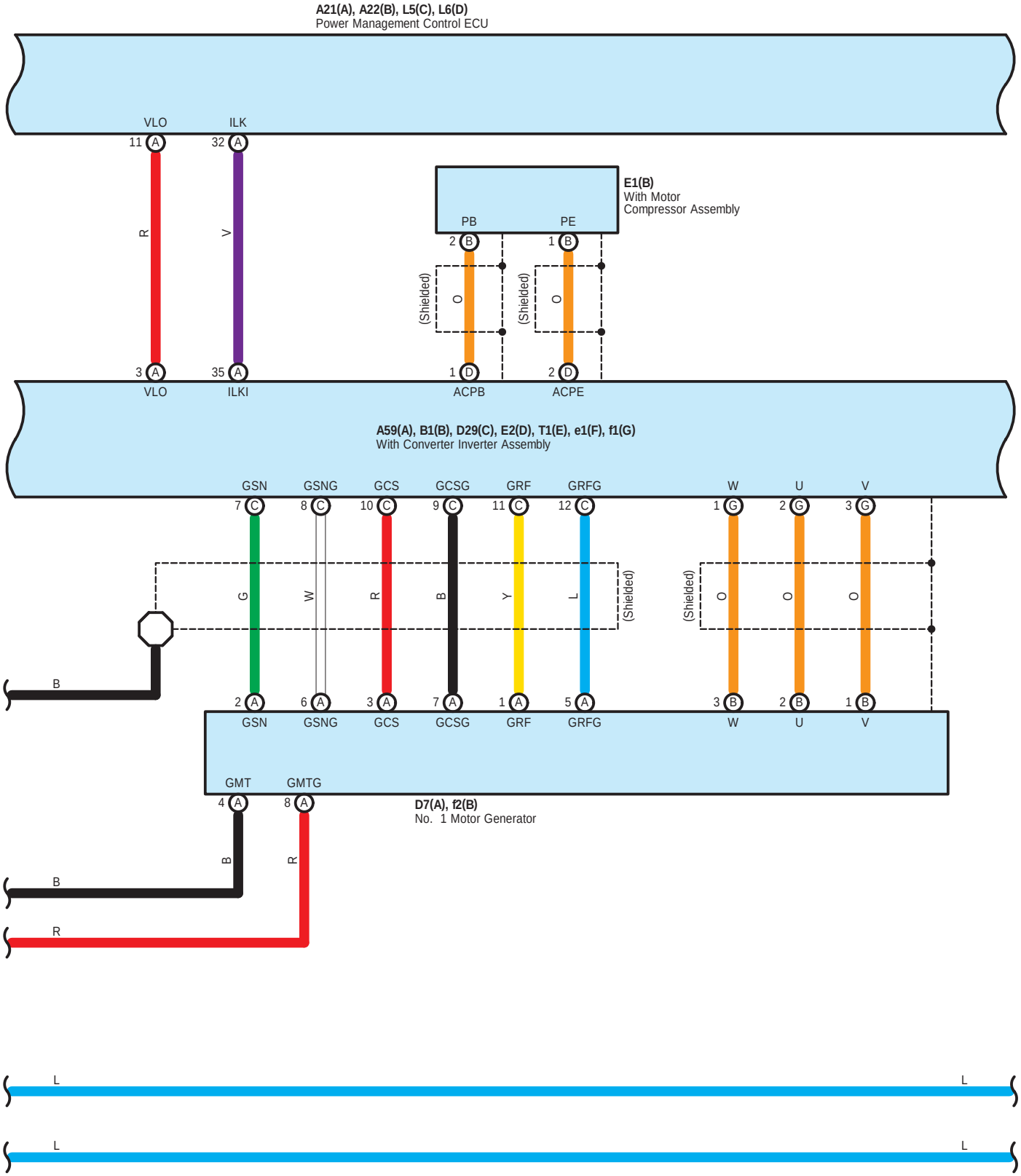


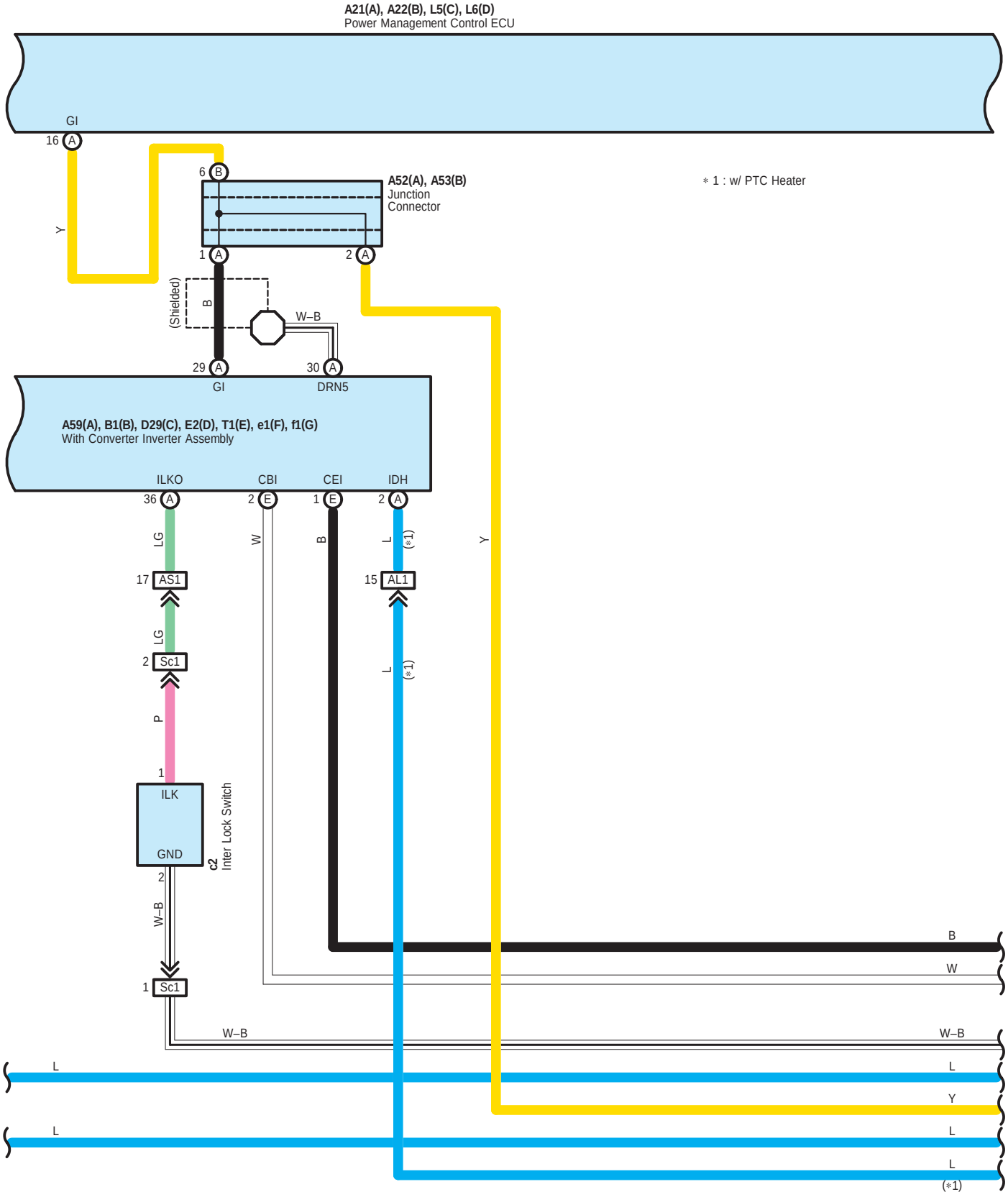

(BAT)
30A
IGCT
(BAT)
7. 5A
AM2
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
AM21
AM22
MREL
AL2
3B
3A
IGCT
Relay
10A
PCU
10A
IGCT
NO. 3
10A
IGCT
NO. 2
A56
Junction
Connector
A3
B
W
BE
L
R
W–B
BR

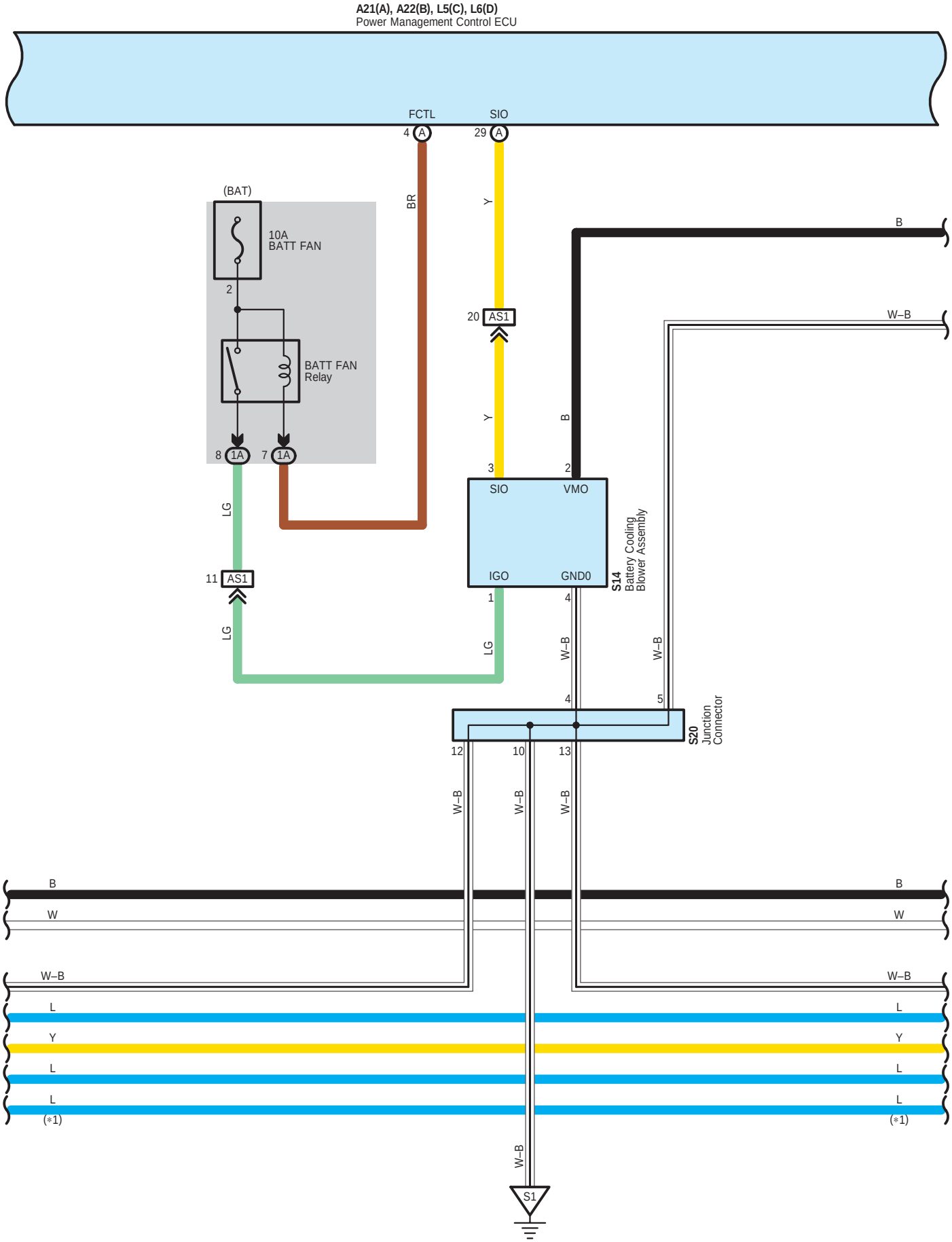

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
+B2
+B1
IWP
NIWP
E01
E02
E1
E12
TC
2 A
5 B
13 A
14 A
5 C
5 D
6 C
4 D
11 C
L
L
G
P
W–B
W–B
BR
BR
P
3 Ag1
2 Ag1
G
P
8 3A
46 3A
P
A55
Junction
Connector
8
9
3
2
SWP
NWP
+BWP
GND
g1
Inverter Water Pump
Motor Assembly
12
7
10
11
4
1
13
TC
L61
DLC3
L
L
L
B
L
W–B
W–B
W–B
W–B
W–B
1 Ag1
4 Ag1
L
W–B
W–B
W–B
W–B
L
L
R
B
R
L
L
A3
L3
L1

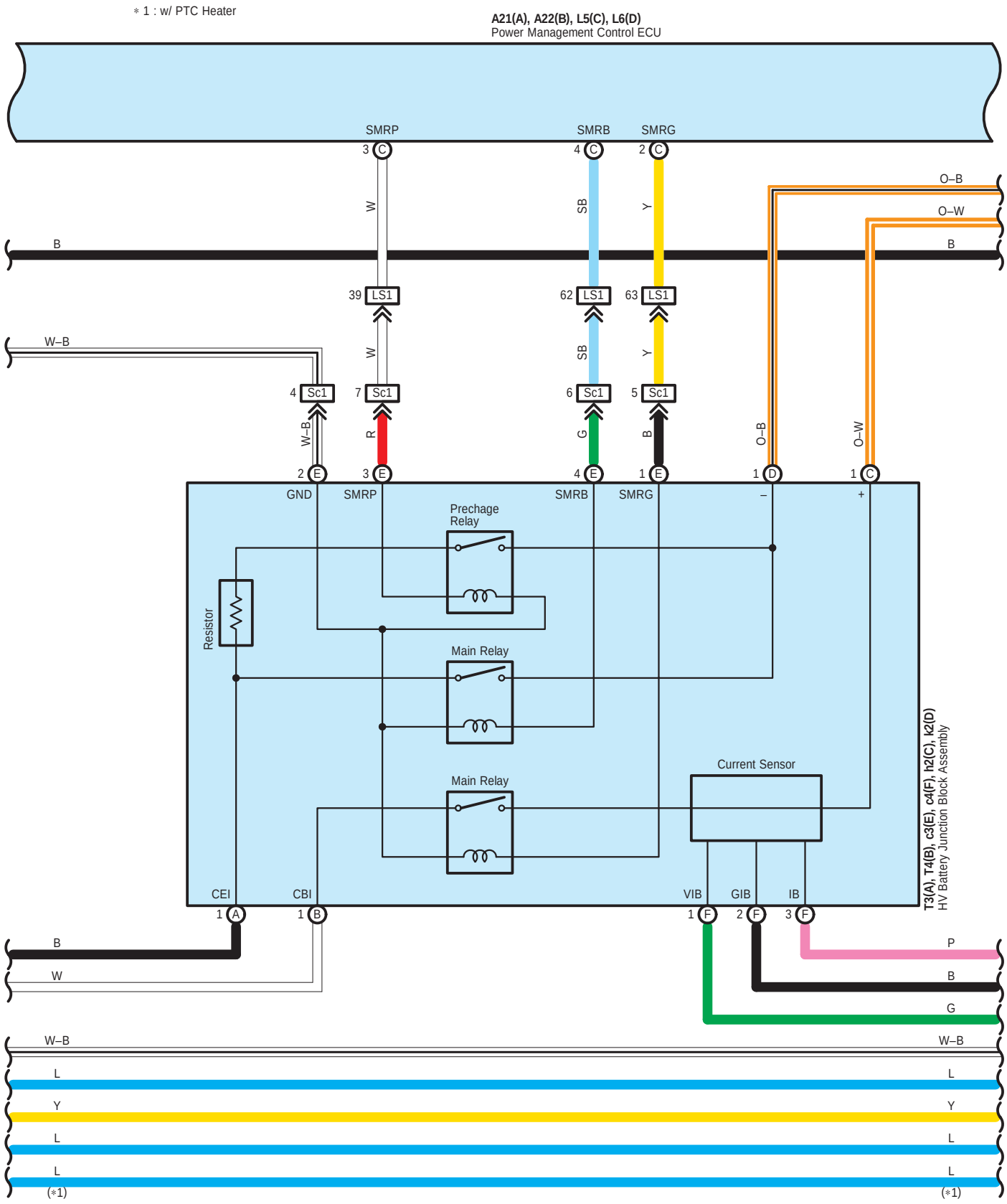

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
GMTG
GMT
MMT
MMTG
HTM+
HTM–
27 A
26 A
24 A
25 A
24 B
25 B
(BAT)
(BAT)
5A
DC/DC–S
125A
DC/DC
(Shielded)
R
B
L
BR
W
G
12 DA1
13 DA1
15 DA1
14 DA1
8 A
18 A
34 A
HTM+
HTM–
DRN1
A59(A), B1(B), D29(C), E2(D), T1(E), e1(F), f1(G)
With Converter Inverter Assembly
AMD
S
W
U
V
1 B
11 A
1 F
2 F
3 F
O
2 B
1 B
1 C
3 C
2 C
MMT
MMTG
W
U
V
D1(A), D8(B), e2(C)
No. 2 Motor Generator

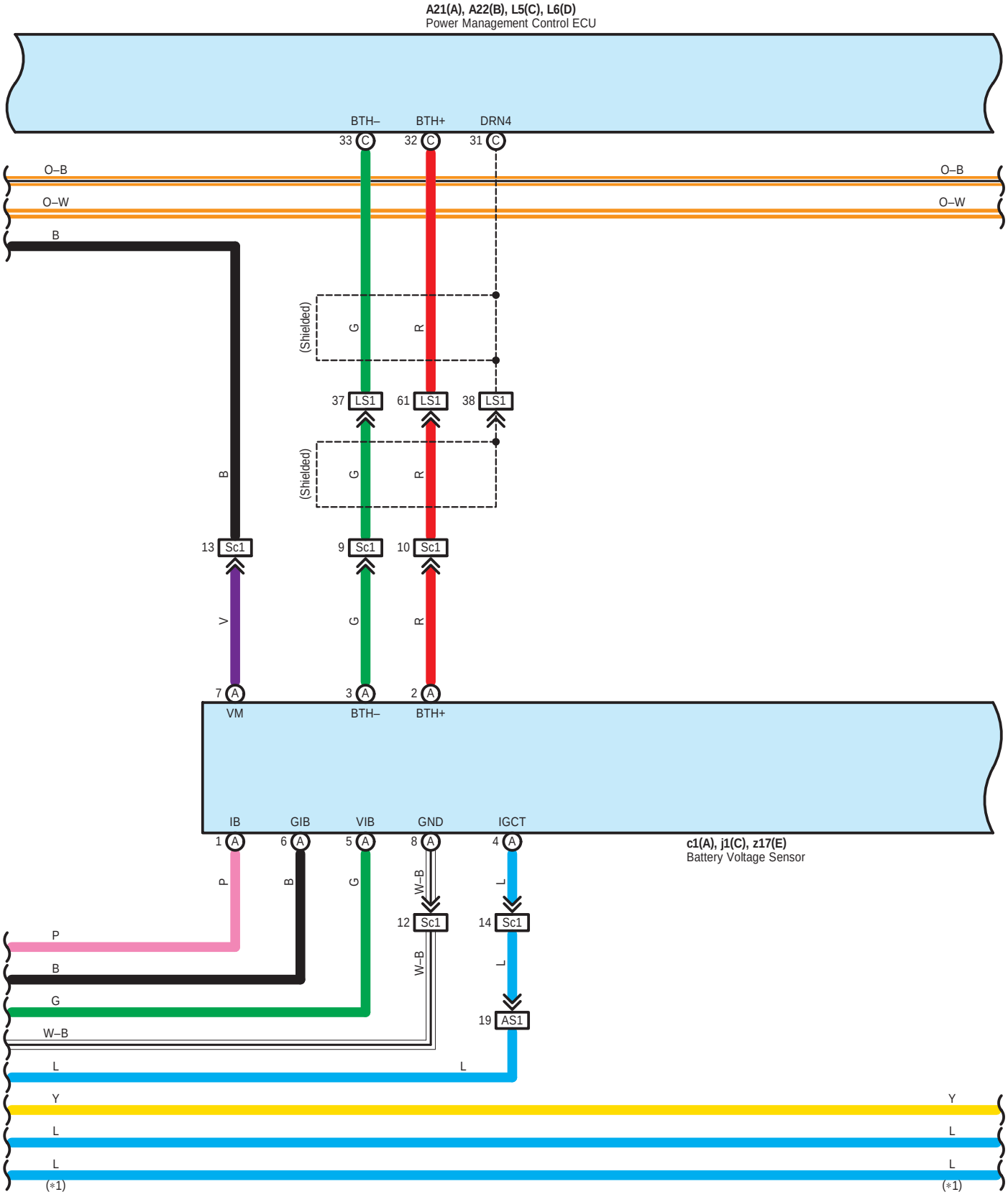

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
MTH+
MTH–
REQ+
REQ–
CLK+
CLK–
NODD
HSDN
30 B
29 B
33 B
32 B
21 B
20 B
21 A
31 B
(Shielded)
B
W
W
B
W
Y
B
W
L
W
B
R
7 A
17 A
33 A
6 A
16 A
4 A
5 A
15 A
14 A
12 A
31 A
32 A
MTH+
MTH–
DRN2
REQ+
REQ–
DRN3
CLK+
CLK–
DRN4
NODD
HSDN
DRN8
A59(A), B1(B), D29(C), E2(D), T1(E), e1(F), f1(G)
With Converter Inverter Assembly
MRF
MRFG
MSN
MSNG
MCS
MSCG
DRN6
IGCT
+B
+B2
GND1
GND2
1 C
2 C
3 C
4 C
6 C
5 C
13 C
1 A
10 A
9 A
28 A
27 A
(Shielded)
Y
L
G
W
R
BR
B
B
B
G
G
W–B
W–B
3 A
6 A
1 A
4 A
2 A
5 A
MRF
MRFG
MSN
MSNG
MCS
MCSG
R
W–B
D1(A), D8(B), e2(C)
No. 2 Motor Generator
B
B
R
R
B
R
L
L
L
L
W–B
A4

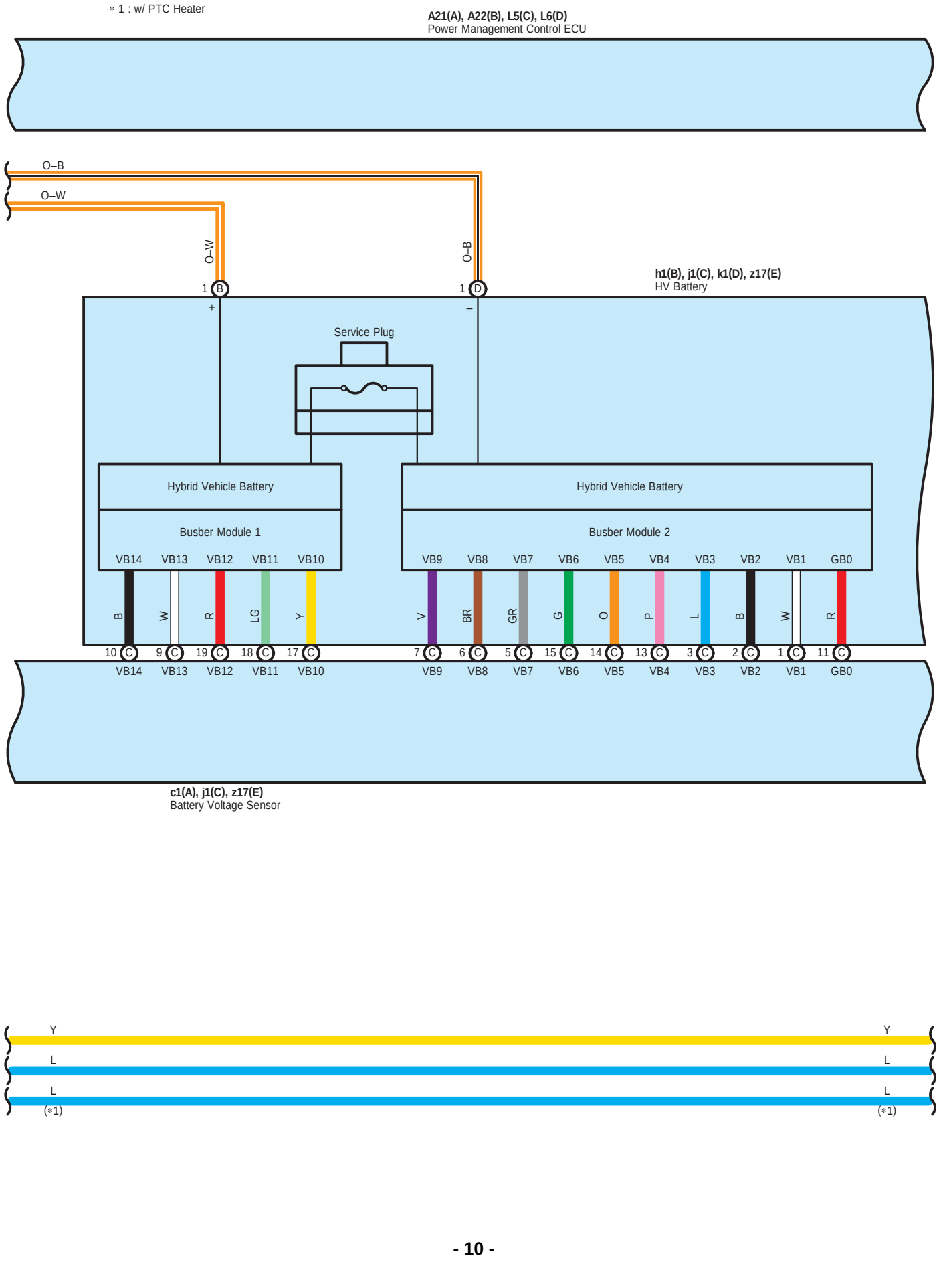

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
VLO
ILK
11 A
32 A
R
V
3 A
35 A
VLO
ILKI
E1(B)
With Motor
Compressor Assembly
PB
PE
2 B
1 B
(Shielded)
O
1 D
2 D
ACPB
ACPE
A59(A), B1(B), D29(C), E2(D), T1(E), e1(F), f1(G)
With Converter Inverter Assembly
GSN
GSNG
GCS
GCSG
GRF
GRFG
7 C
8 C
10 C
9 C
11 C
12 C
G
W
R
B
Y
L
(Shielded)
B
2 A
6 A
3 A
7 A
1 A
5 A
GSN
GSNG
GCS
GCSG
GRF
GRFG
W
U
V
1 G
2 G
3 G
3 B
2 B
1 B
GMT
GMTG
4 A
8 A
B
R
B
R
D7(A), f2(B)
No. 1 Motor Generator
L
L
L
L

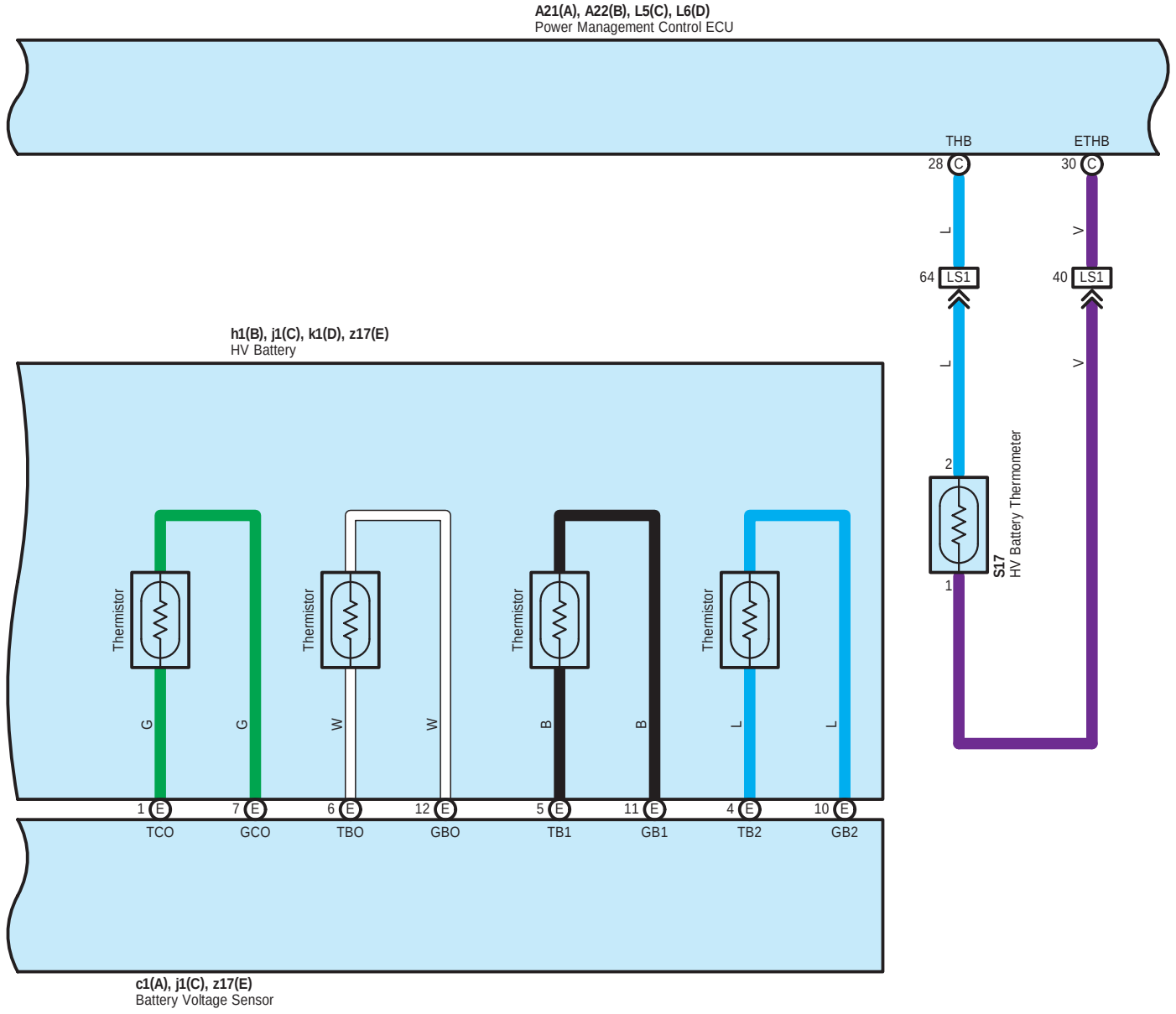

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
GI
16 A
Y
6 B
A52(A), A53(B)
Junction
Connector
1 A
2 A
(Shielded)
B
W–B
29 A
30 A
GI
DRN5
∗ 1 : w/ PTC Heater
A59(A), B1(B), D29(C), E2(D), T1(E), e1(F), f1(G)
With Converter Inverter Assembly
ILKO
CBI
CEI
IDH
36 A
2 E
1 E
2 A
LG
W
B
L
(∗1)
Y
17 AS1
15 AL1
LG
2 Sc1
L
(∗1)
P
1
ILK
GND
c2
Inter Lock Switch
2
W–B
1 Sc1
B
W
W–B
W–B
L
L
Y
L
L
L
(∗1)


A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
FCTL
SIO
4 A
29 A
(BAT)
10A
BATT FAN
2
BATT FAN
Relay
8 1A
7 1A
BR
Y
20 AS1
Y
B
3
2
SIO
VMO
IGO
GND0
S14
Battery Cooling
Blower Assembly
11 AS1
LG
LG
1
LG
4
W–B
4
W–B
5
S20
Junction
Connector
12
10
13
W–B
W–B
W–B
B
W
W–B
L
Y
L
L
(*1)
B
W
W–B
L
Y
L
L
(*1)
W–B
S1

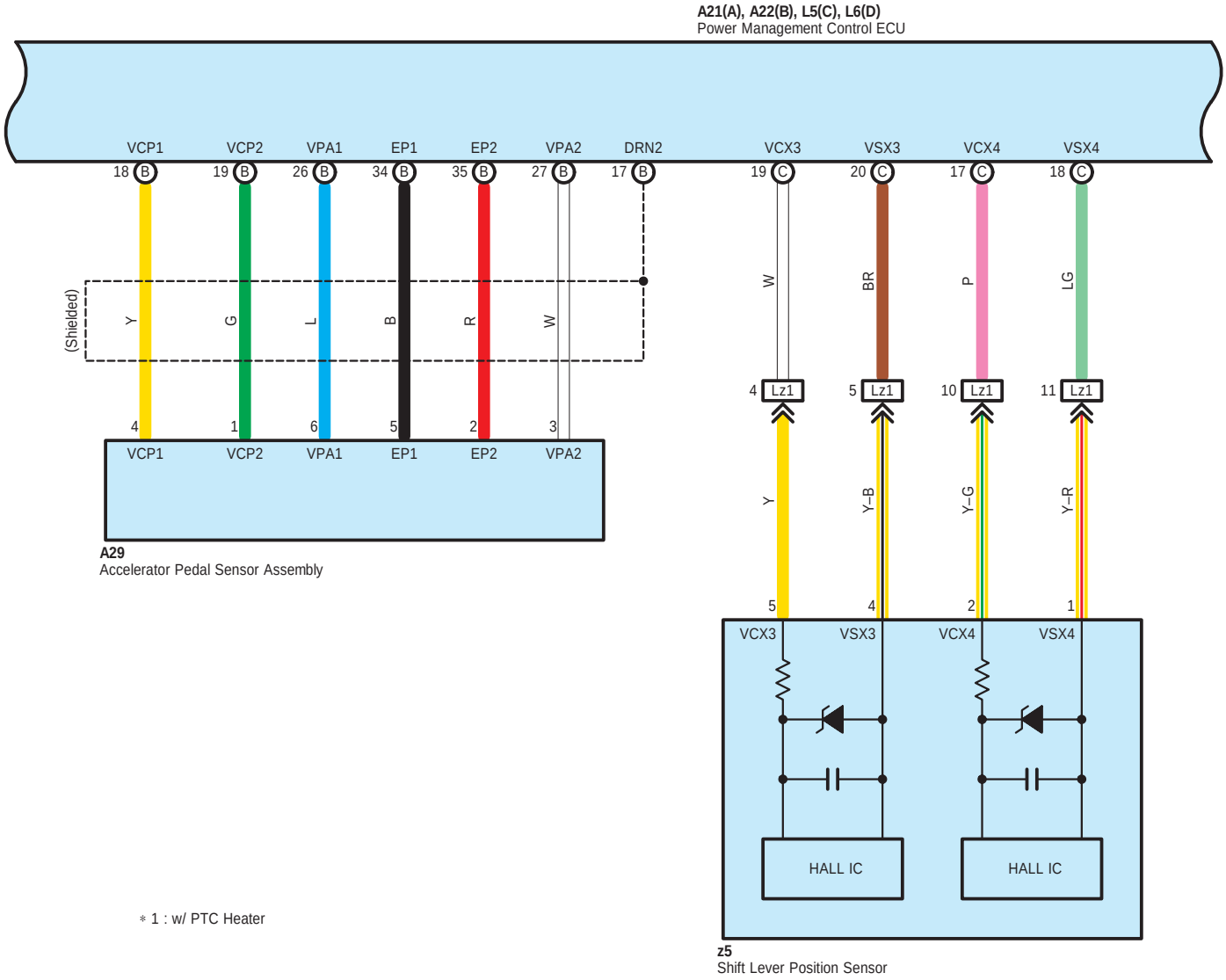

∗ 1 : w/ PTC Heater
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
SMRP
SMRB
SMRG
3 C
4 C
2 C
W
SB
Y
O–B
O–W
B
39 LS1
62 LS1
63 LS1
W–B
4 Sc1
7 Sc1
6 Sc1
5 Sc1
W–B
R
G
B
O–B
O–W
2 E
3 E
4 E
1 E
1 D
1 C
GND
SMRP
SMRB
SMRG
–
+
Prechage Relay
Resistor
Main Relay
Main Relay
Current Sensor
T3(A), T4(B), c3(E), c4(F), h2(C), k2(D)
HV Battery Junction Block Assembly
CEI
CBI
VIB
GIB
IB
1 A
1 B
1 F
2 F
3 F
B
W
P
B
G
W–B
W–B
L
L
Y
Y
L
L
L
L
(∗1)
(∗1)


A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
BTH–
BTH+
DRN4
33 C
32 C
31 C
O–B
O–W
B
(Shielded)
G
R
37 LS1
61 LS1
38 LS1
13 Sc1
9 Sc1
10 Sc1
V
7 A
3 A
2 A
VM
BTH–
BTH+
IB
GIB
VIB
GND
IGCT
1 A
6 A
5 A
8 A
4 A
P
W–B
L
12 Sc1
14 Sc1
19 AS1
Y
(*1)
c1(A), j1(C), z17(E)
Battery Voltage Sensor

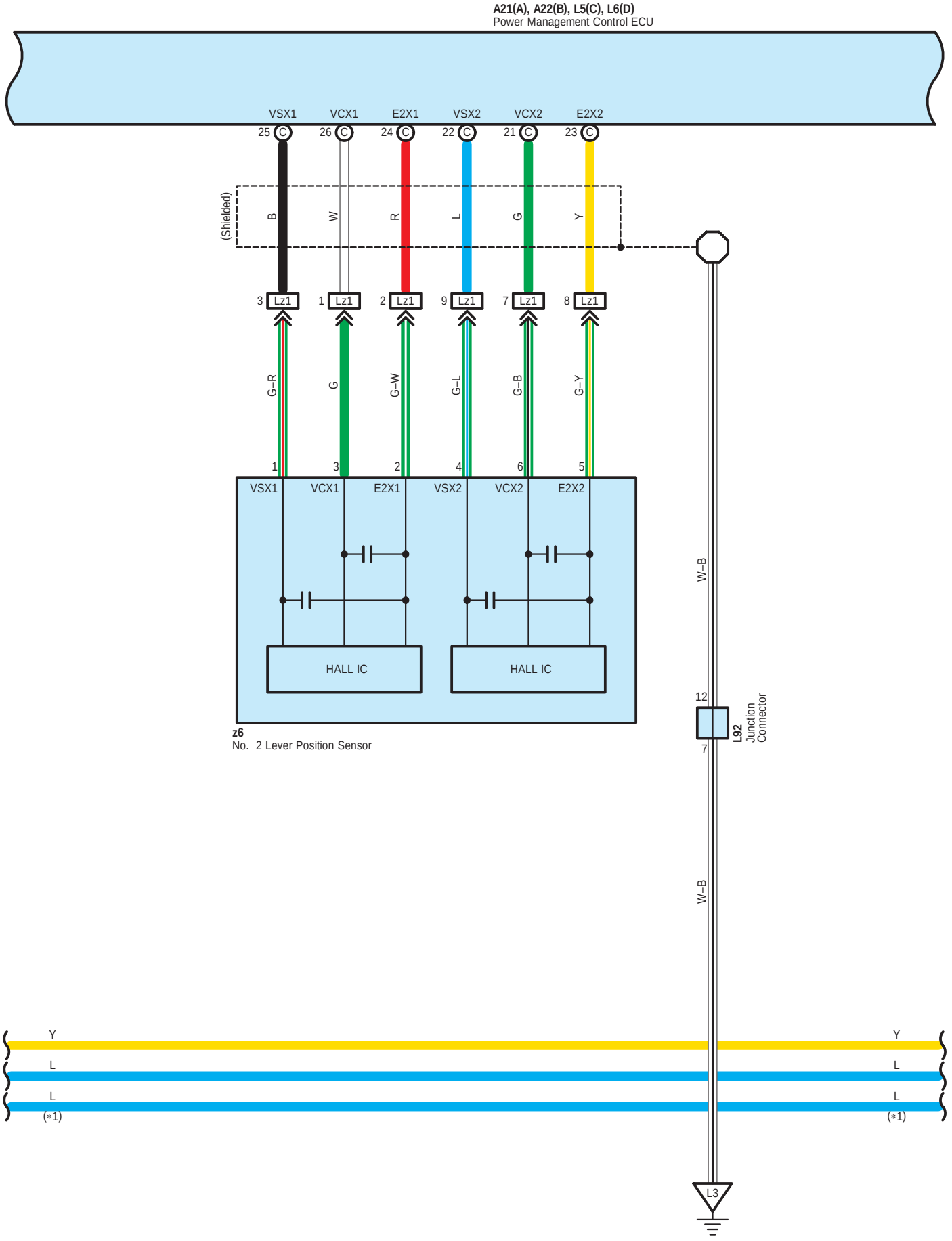

* 1 : w/ PTC Heater
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
O–B
O–W
O–W
O–B
1 B
1 D
+
–
h1(B), j1(C), k1(D), z17(E)
HV Battery
Service Plug
Hybrid Vehicle Battery
Busber Module 1
Hybrid Vehicle Battery
Busber Module 2
VB14 VB13 VB12 VB11 VB10
VB9 VB8 VB7 VB6 VB5 VB4 VB3 VB2 VB1 GB0
B W R LG Y
V BR GR G O P L B W R
10 C 9 C 19 C 18 C 17 C
7 C 6 C 5 C 15 C 14 C 13 C 3 C 2 C 1 C 11 C
VB14 VB13 VB12 VB11 VB10
VB9 VB8 VB7 VB6 VB5 VB4 VB3 VB2 VB1 GB0
c1(A), j1(C), z17(E)
Battery Voltage Sensor
Y
L
L
(*1)
Y
L
L
(*1)

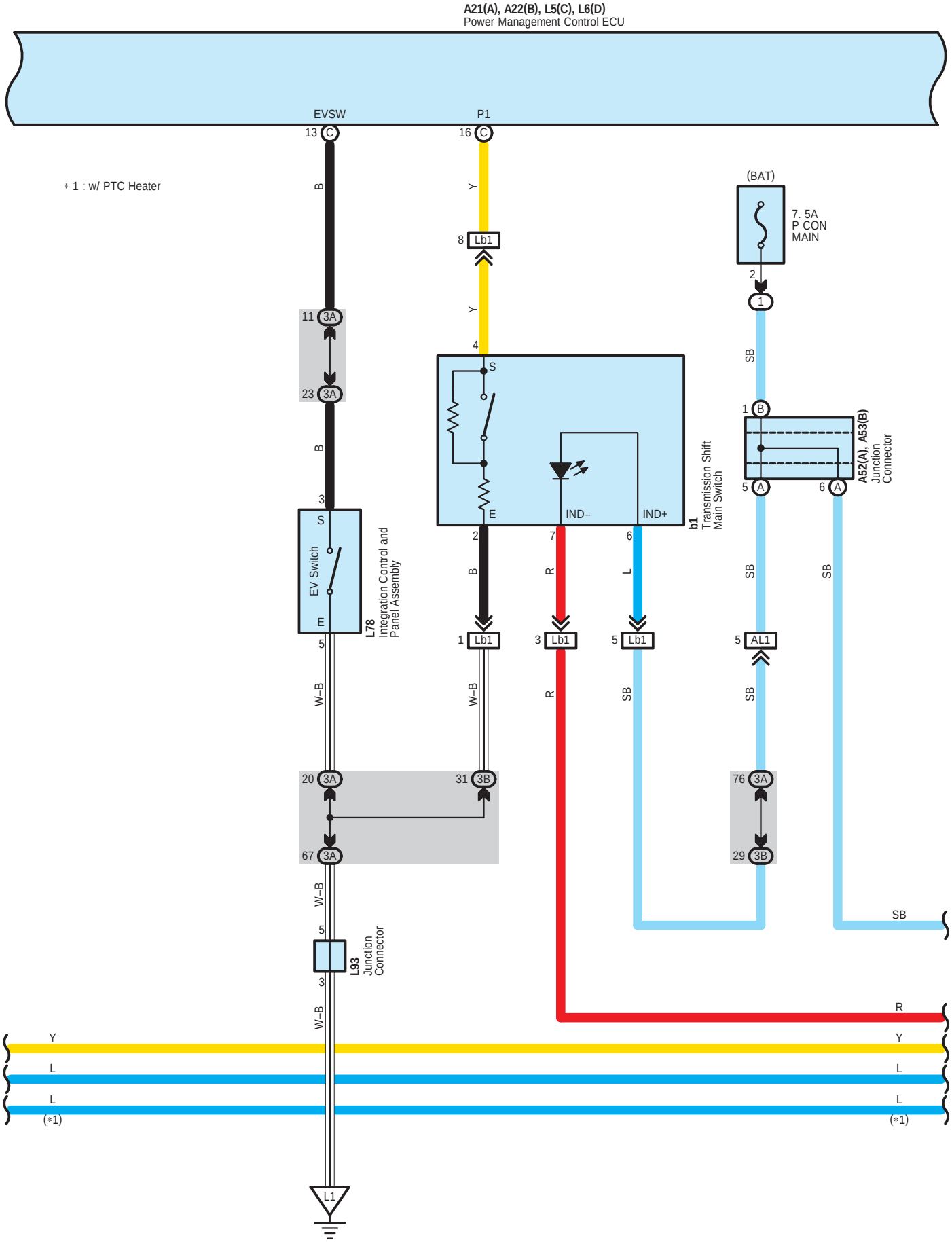

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
THB
ETHB
28 C
30 C
L
V
64 LS1
40 LS1
L
V
2
1
S17
HV Battery Thermometer
h1(B), j1(C), k1(D), z17(E)
HV Battery
Thermistor
Thermistor
Thermistor
Thermistor
G
G
W
W
B
B
L
L
1 E
7 E
6 E
12 E
5 E
11 E
4 E
10 E
TCO
GCO
TBO
GBO
TB1
GB1
TB2
GB2
c1(A), j1(C), z17(E)
Battery Voltage Sensor

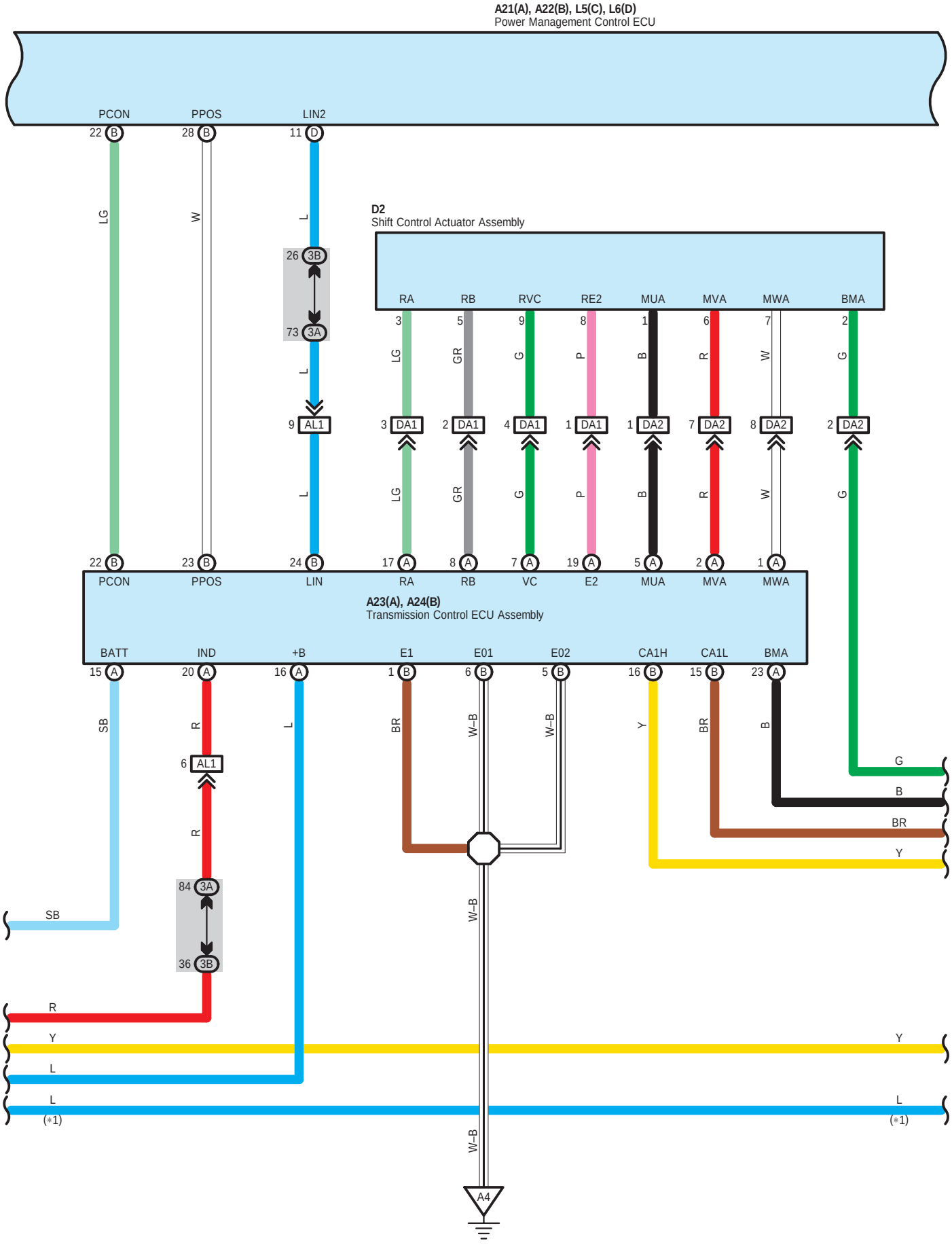
Y
L
L
(*1)
Y
L
L
(*1)



∗ 1 : w/ PTC Heater

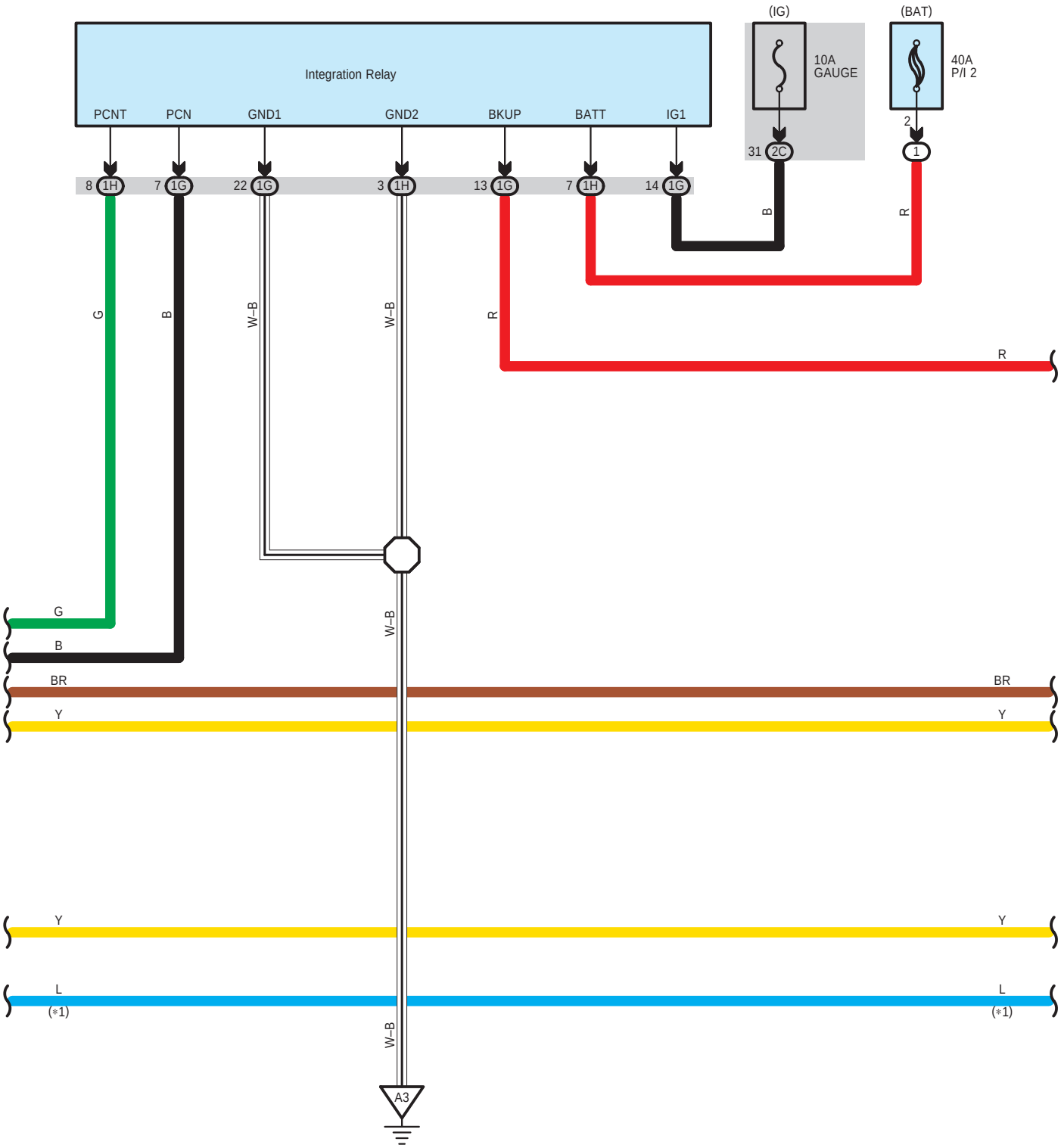

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
25 C
26 C
24 C
22 C
21 C
23 C
(Shielded)
B
W
R
L
G
Y
3 Lz1
1 Lz1
2 Lz1
9 Lz1
7 Lz1
8 Lz1
G–R
G
G–W
G–L
G–B
G–Y
1
3
2
4
6
5
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
HALL IC
HALL IC
z6
No. 2 Lever Position Sensor
W–B
12
7
L92
Junction Connector
W–B
Y
L
L
(*1)
Y
L
L
(*1)
L3

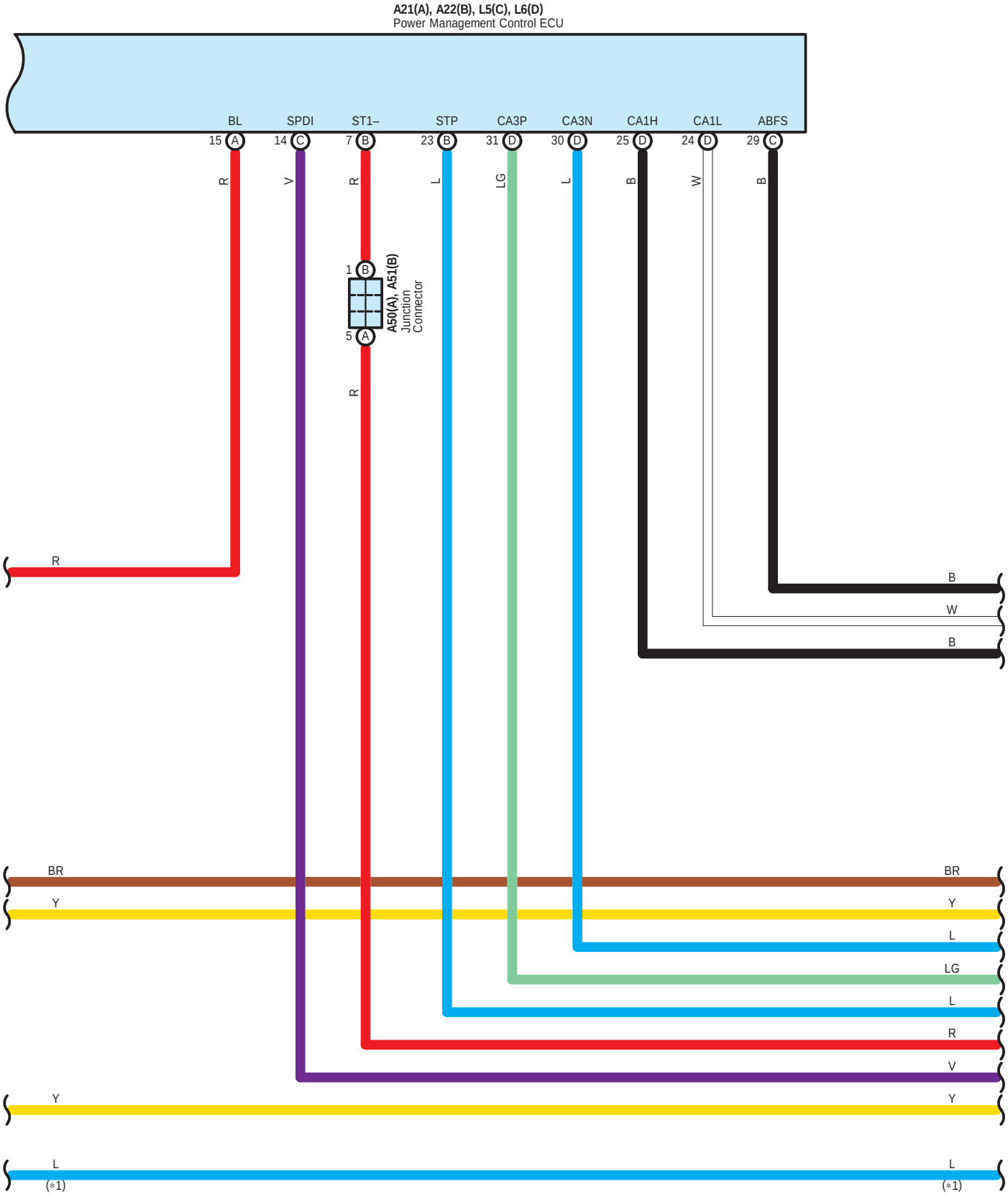

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
EVSW
P1
∗ 1 : w/ PTC Heater
13 C
16 C
B
Y
8 Lb1
Y
4
11 3A
23 3A
B
3
S
EV Switch
E
5
L78
Integration Control and
Panel Assembly
S
E
IND–
IND+
2
7
6
b1
Transmission Shift
Main Switch
B
R
L
1 Lb1
3 Lb1
5 Lb1
W–B
R
SB
(BAT)
7. 5A
P CON
MAIN
2
1
SB
1 B
5 A
6 A
A52(A), A53(B)
Junction
Connector
SB
SB
5 AL1
SB
20 3A
31 3B
76 3A
67 3A
29 3B
W–B
5
L93
Junction
Connector
3
W–B
SB
R
Y
L
L
(∗1)
Y
L
L
(∗1)
L1

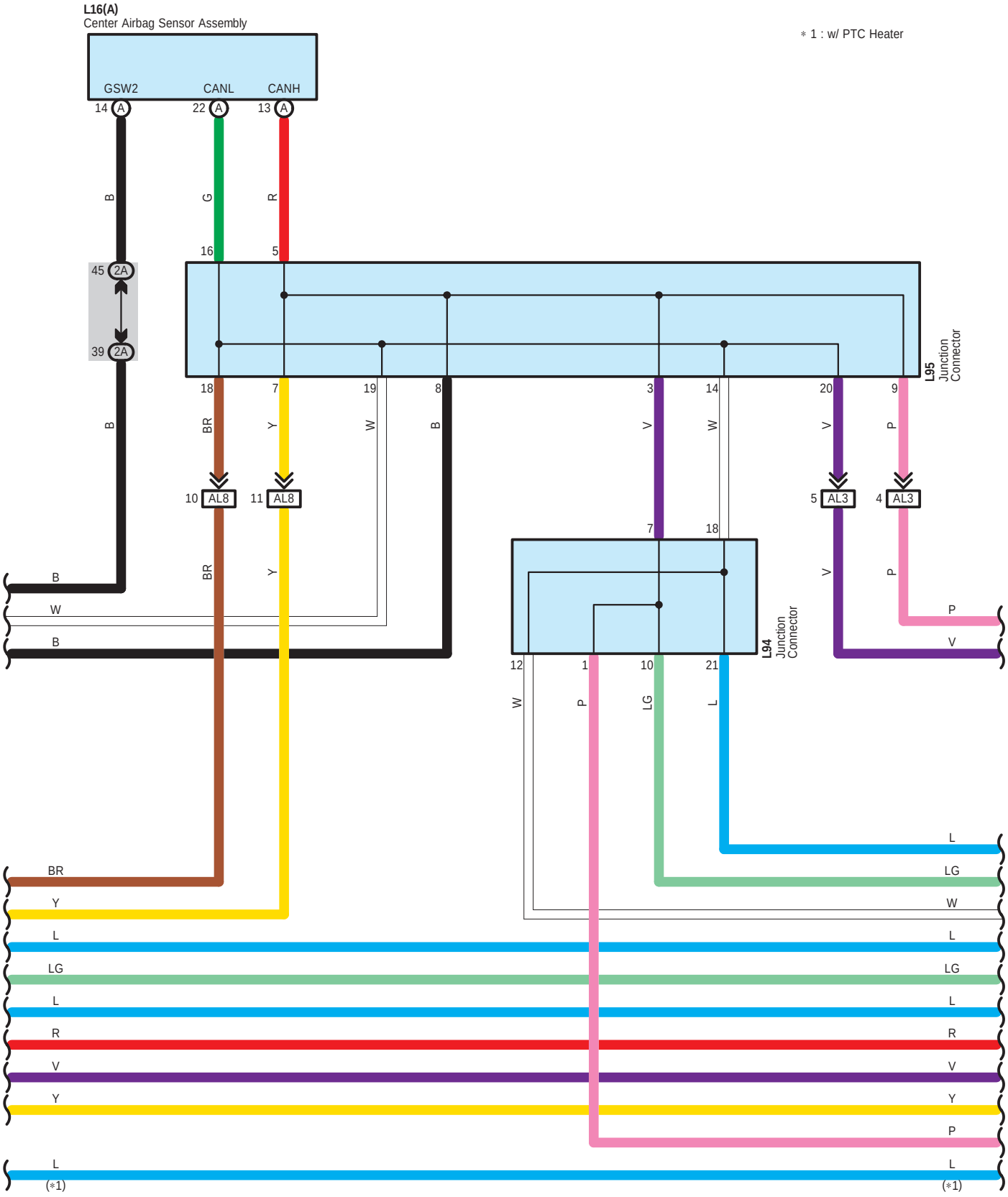

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
PCON
PPOS
LIN2
22 B
28 B
11 D
LG
W
L
26 3B
73 3A
L
9 AL1
L
D2
Shift Control Actuator Assembly
RA
RB
RVC
RE2
MUA
MVA
MWA
BMA
3
5
9
8
1
6
7
2
LG
GR
G
P
B
R
W
G
3 DA1
2 DA1
4 DA1
1 DA1
1 DA2
7 DA2
8 DA2
2 DA2
LG
GR
G
P
B
R
W
G
22 B
23 B
24 B
17 A
8 A
7 A
19 A
5 A
2 A
1 A
PCON
PPOS
LIN
RA
RB
VC
E2
MUA
MVA
MWA
A23(A), A24(B)
Transmission Control ECU Assembly
BATT
IND
+B
E1
E01
E02
CA1H
CA1L
BMA
15 A
20 A
16 A
1 B
6 B
5 B
16 B
15 B
23 A
SB
R
L
BR
W-B
W-B
Y
BR
B
G
B
BR
Y
6 AL1
R
84 3A
36 3B
W-B
SB
R
Y
L
L
(*1)
Y
L
(*1)
W-B
A4

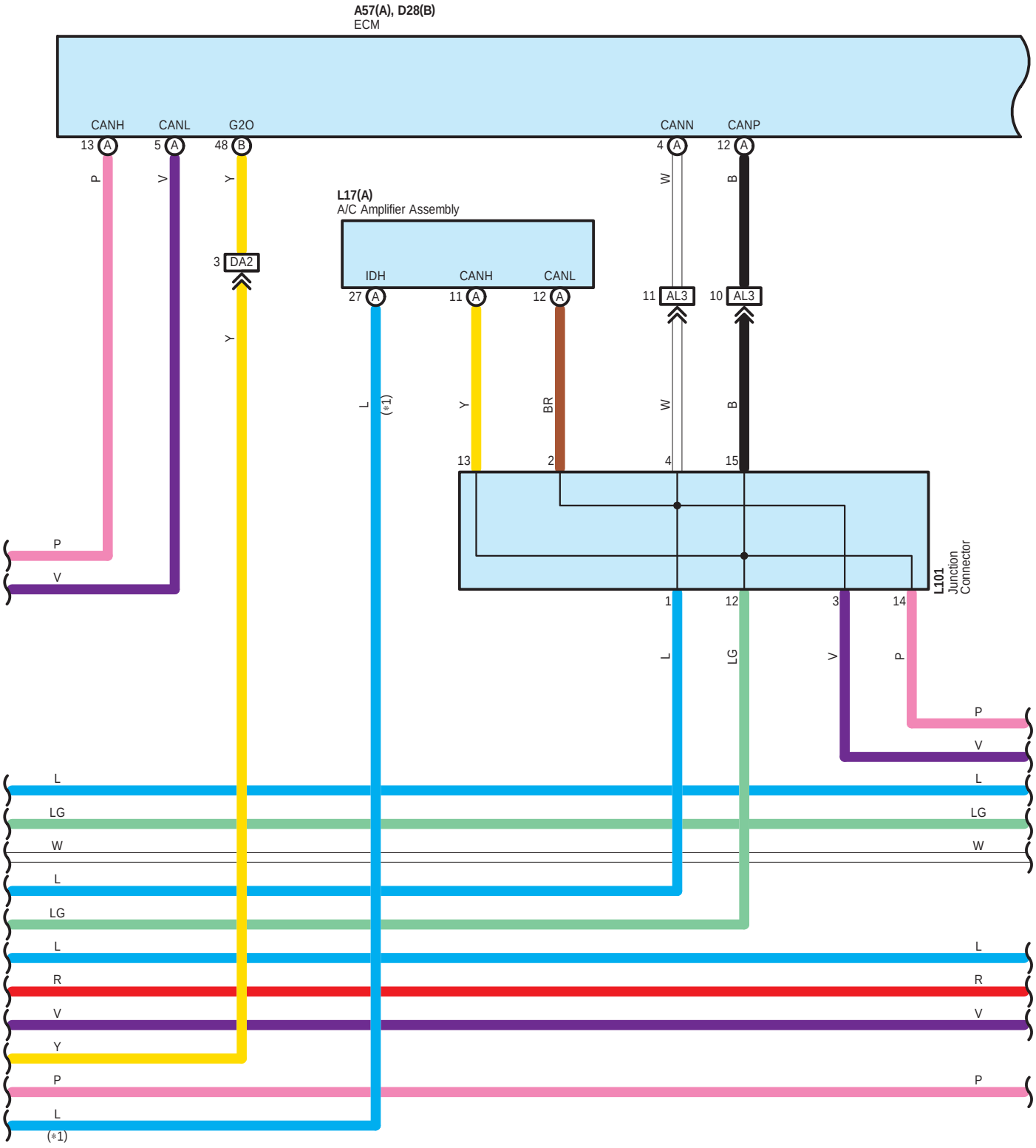
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU

∗ 1 : w/ PTC Heater

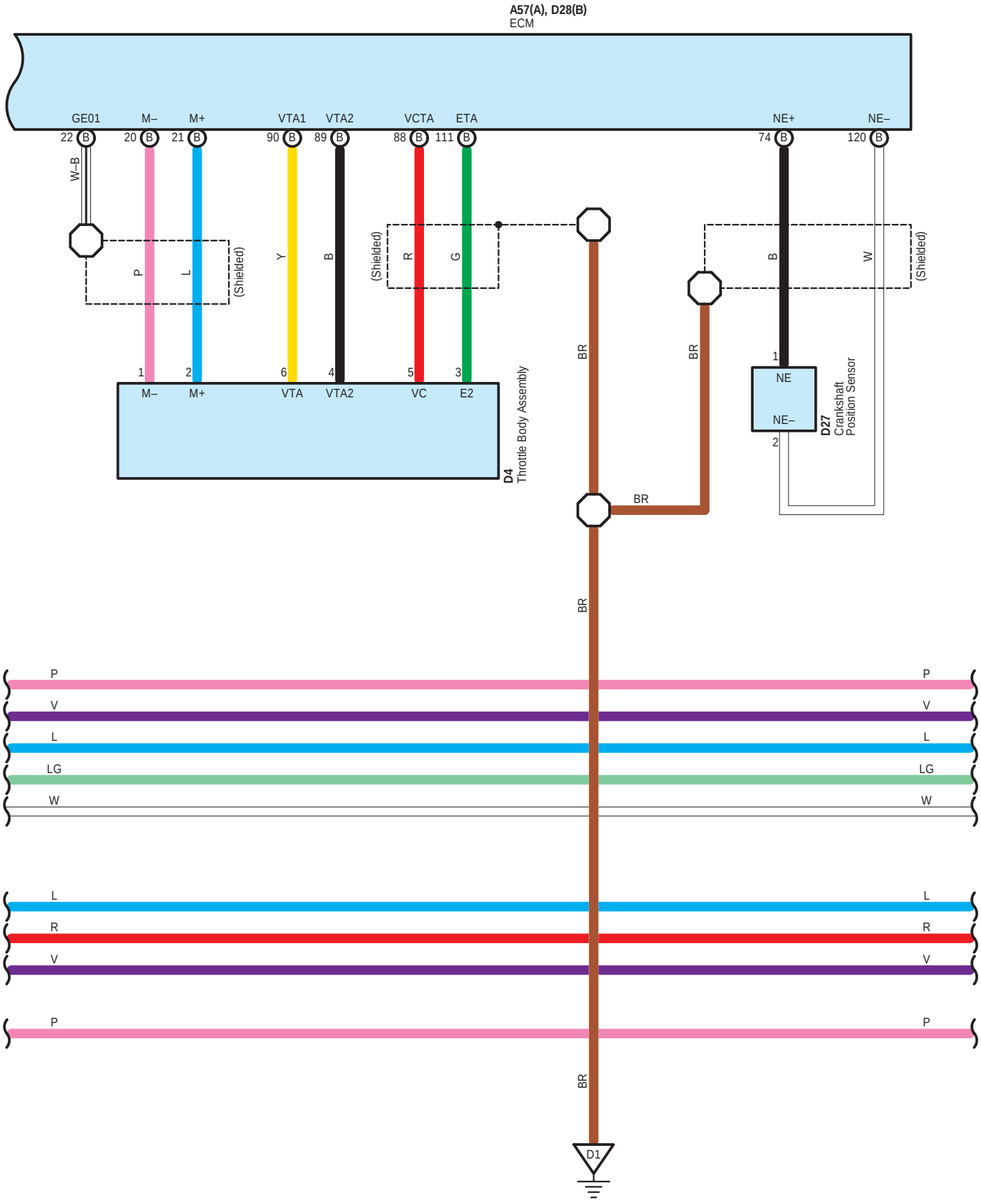


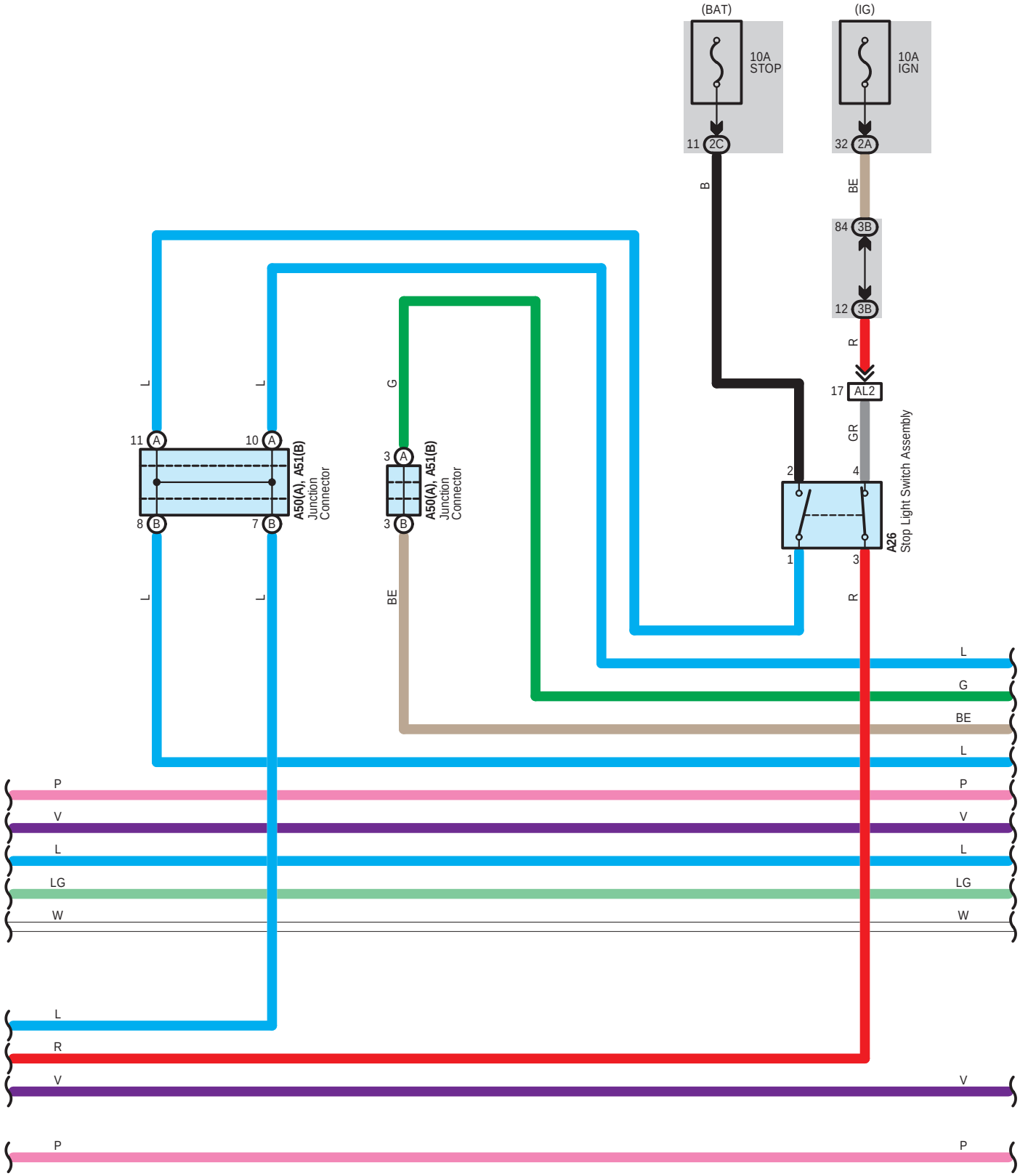

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
BL
SPDI
ST1–
STP
CA3P
CA3N
CA1H
CA1L
ABFS
15 A
14 C
7 B
23 B
31 D
30 D
25 D
24 D
29 C
R
V
R
L
LG
L
B
W
B
1 B
5 A
A50(A), A51(B)
Junction
Connector
R
R
B
W
B
BR
Y
L
LG
L
R
V
Y
L
(*1)
BR
Y
Y
L
(*1)

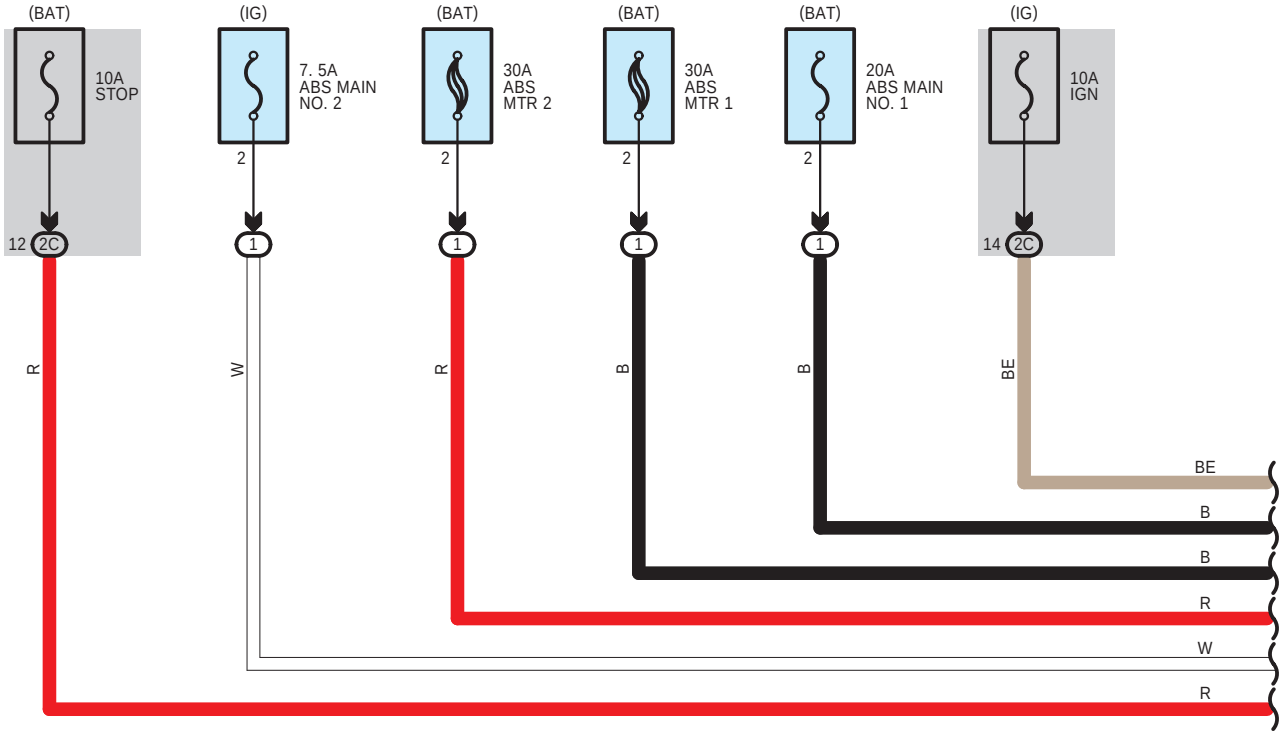

L16(A)
Center Airbag Sensor Assembly
* 1 : w/ PTC Heater
GSW2
CANL
CANH
14 A
22 A
13 A
B
G
R
16
5
45 2A
39 2A
B
18
7
19
8
BR
Y
W
B
10 AL8
11 AL8
BR
Y
L95
Junction
Connector
3
14
20
9
V
W
V
P
5 AL3
4 AL3
V
P
7
18
L94
Junction
Connector
12
1
10
21
W
P
LG
L
B
W
B
P
V
BR
Y
L
LG
W
L
LG
L
R
V
Y
P
L
(*1)
L
(*1)


A57(A), D28(B)
ECM
CANH
CANL
G2O
CANN
CANP
13 A
5 A
48 B
4 A
12 A
P
V
Y
W
B
3 DA2
L17(A)
A/C Amplifier Assembly
IDH
CANH
CANL
27 A
11 A
12 A
11 AL3
10 AL3
Y
L
(*1)
BR
W
B
13
2
4
15
L101
Junction
Connector
1
12
3
14
L
LG
V
P
L
LG
W
R
V
Y
P
(*1)

∗ 1 : w/ PTC Heater

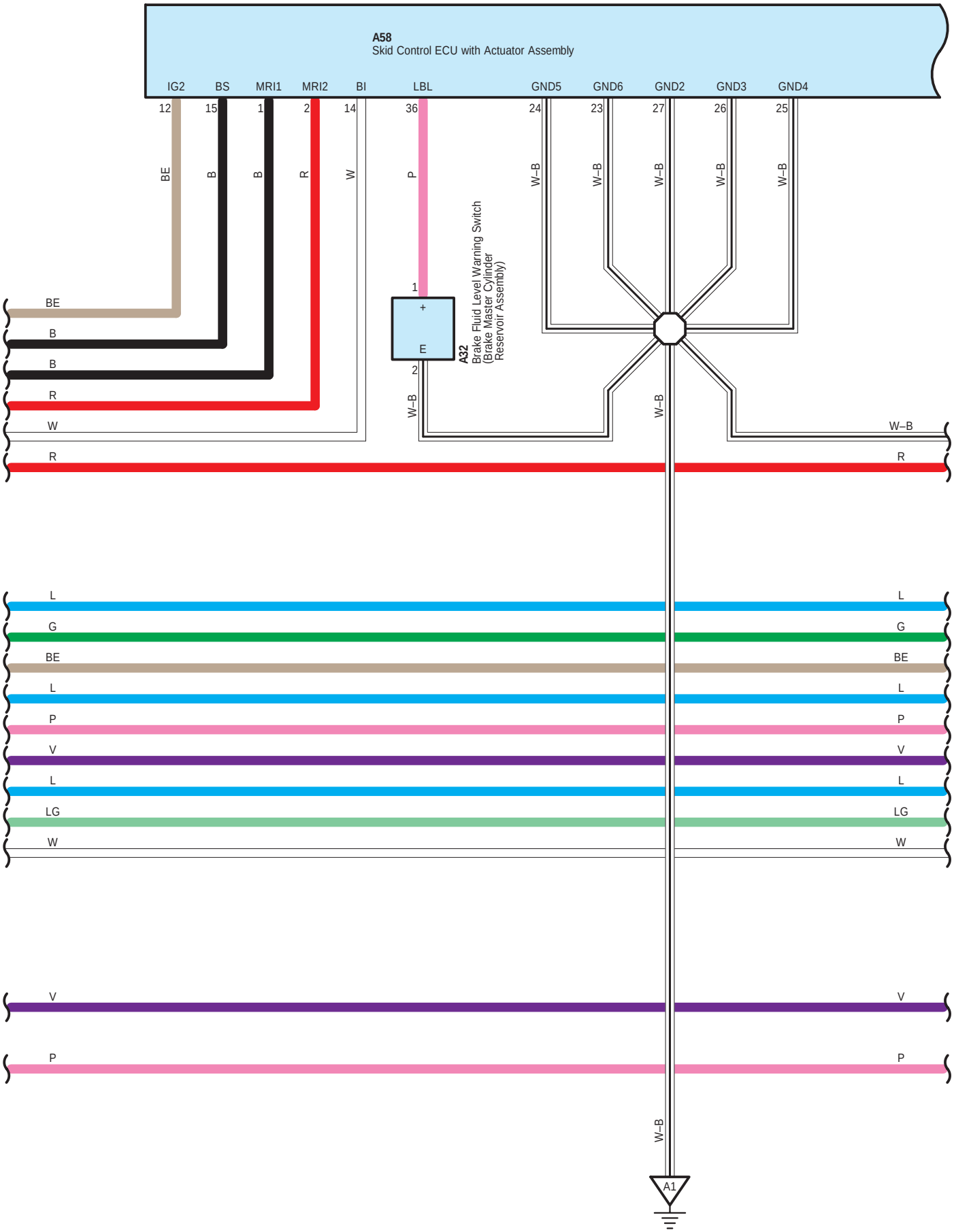


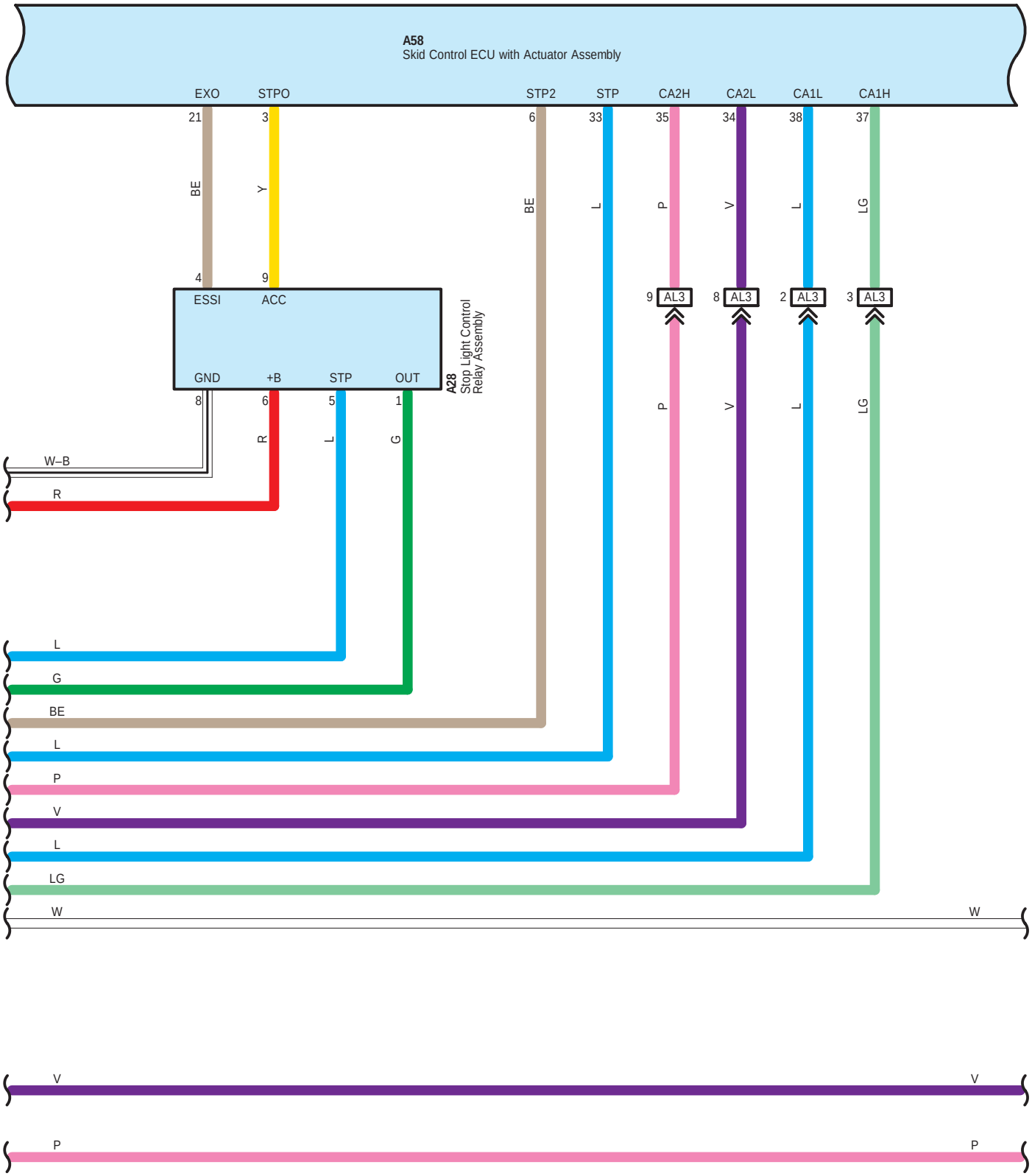

(BAT)
(IG)
10A
STOP
10A
IGN
11 2C
32 2A
B
BE
84 3B
12 3B
R
17 AL2
GR
2
4
1
3
A26
Stop Light Switch Assembly
L
L
G
11 A
10 A
8 B
7 B
A50(A), A51(B)
Junction
Connector
3 A
3 B
A50(A), A51(B)
Junction
Connector
BE
L
L
R
L
G
BE
L
P
V
L
LG
W
L
R
V
P
P
V
L
LG
W

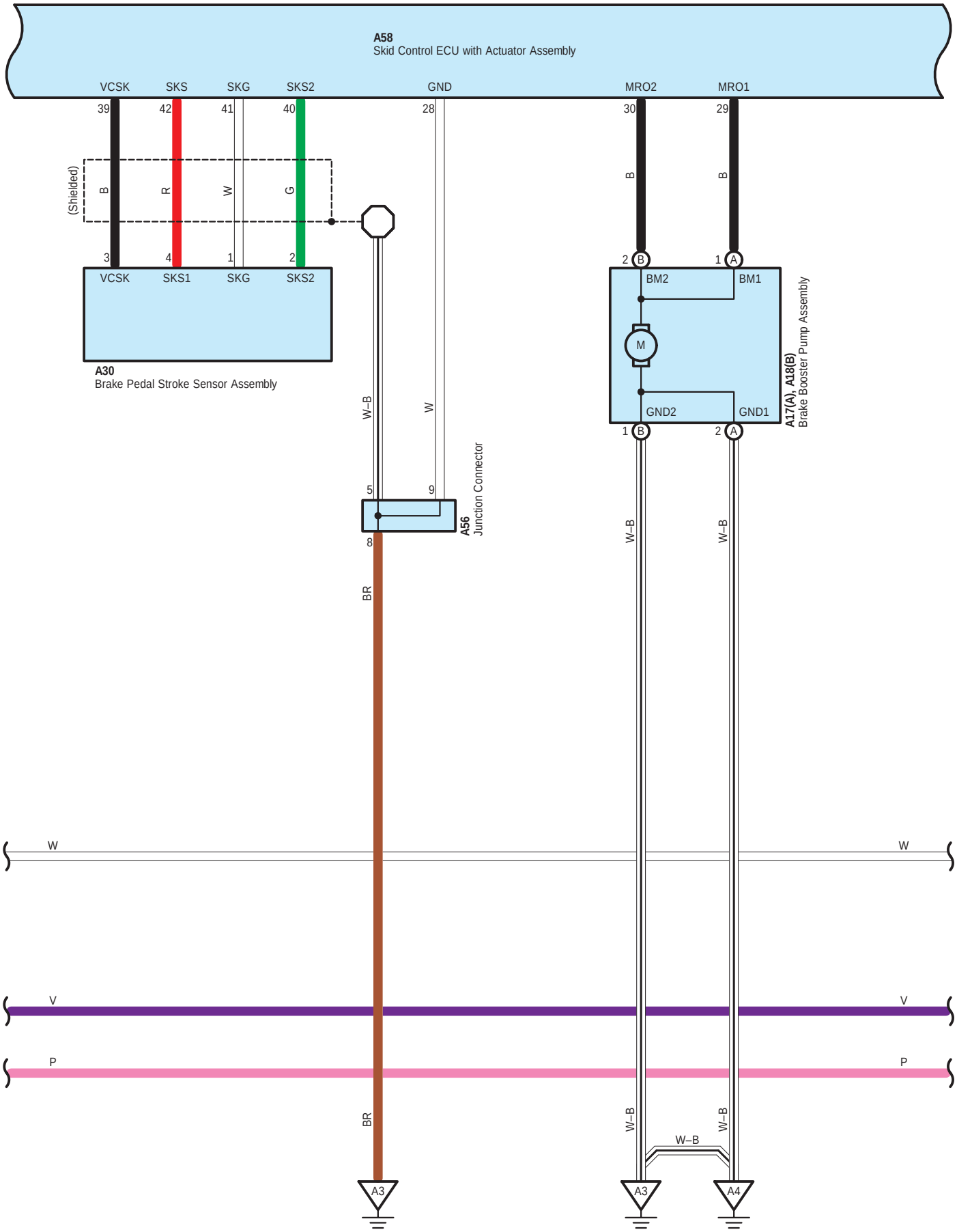

(BAT)
10A
STOP
12 2C
R
(IG)
7. 5A
ABS MAIN
NO. 2
2
1
W
(BAT)
30A
ABS
MTR 2
2
1
R
(BAT)
30A
ABS
MTR 1
2
1
B
(BAT)
20A
ABS MAIN
NO. 1
2
1
B
(IG)
10A
IGN
14 2C
BE
BE
B
B
R
W
R

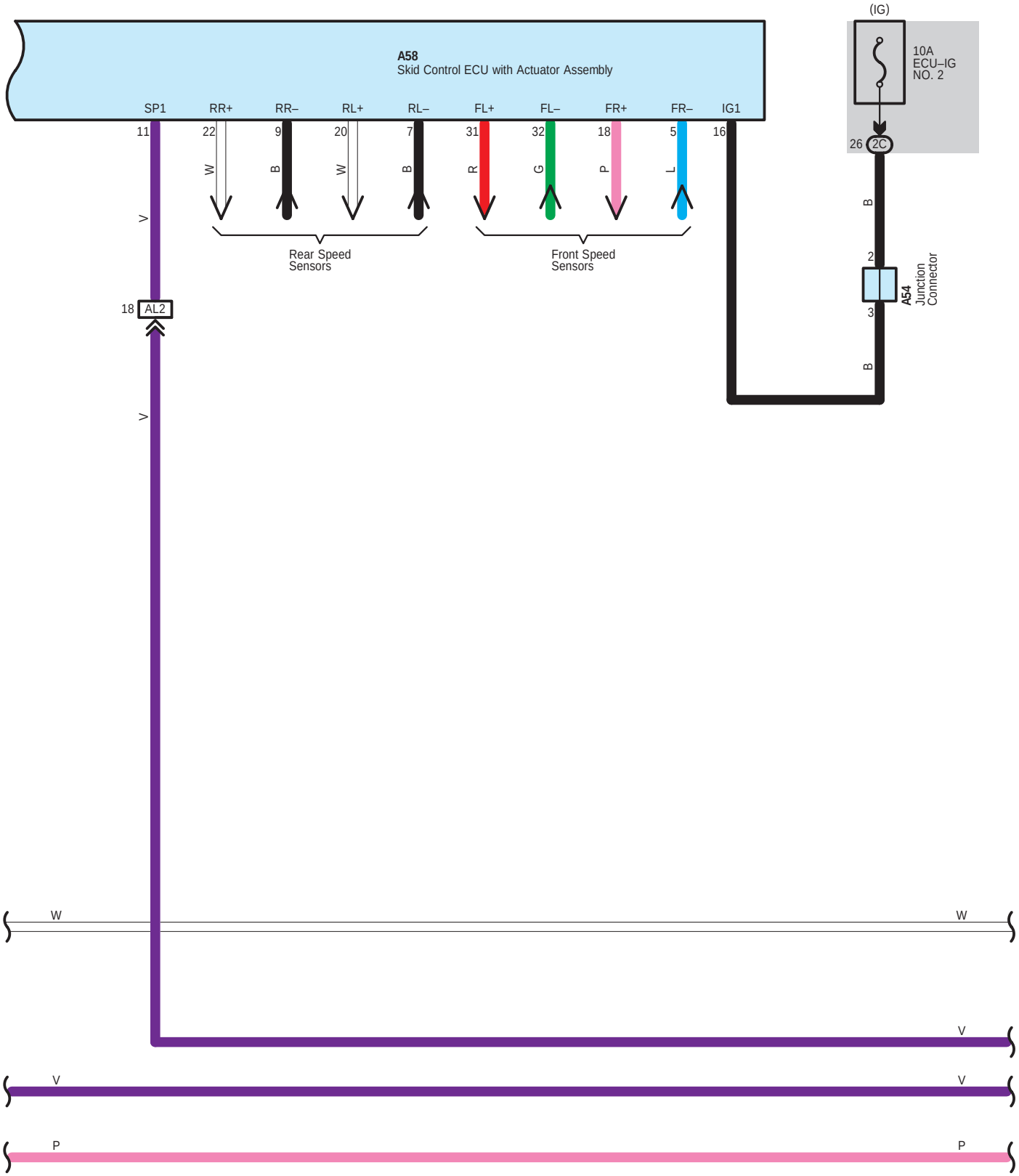
L
G
BE
L
P
V
L
LG
W
L
G
BE
L
P
V
L
LG
W

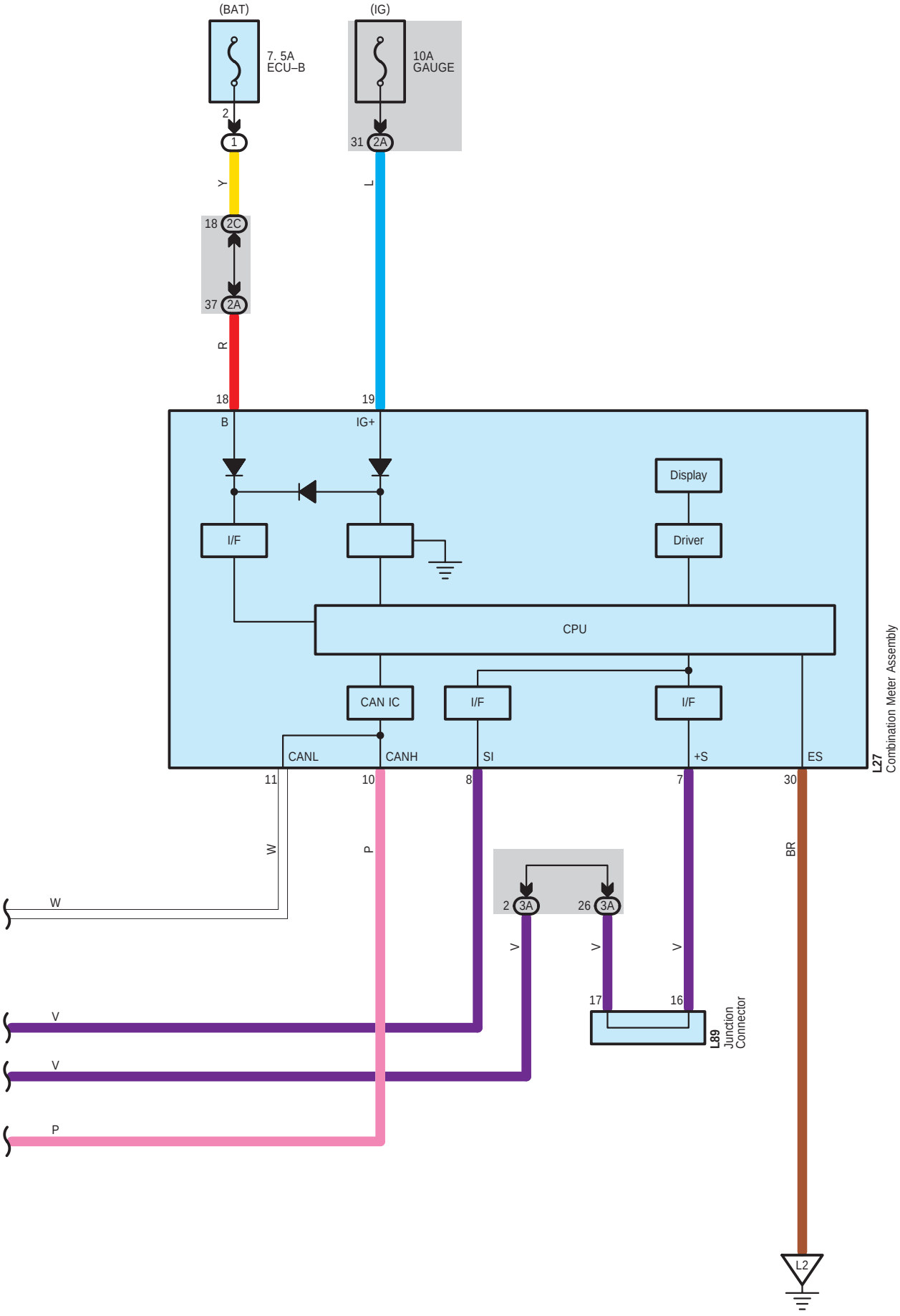
V
P
V
P


A58
Skid Control ECU with Actuator Assembly
IG2
BS
MRI1
MRI2
BI
LBL
GND5
GND6
GND2
GND3
GND4
12
15
1
2
14
36
24
23
27
26
25
BE
B
B
R
W
P
W–B
W–B
W–B
W–B
W–B
1
+
E
2
A32
Brake Fluid Level Warning Switch
(Brake Master Cylinder
Reservoir Assembly)
W–B
W–B
W–B
BE
B
B
R
W
R
R
L
G
BE
L
P
V
L
LG
W
L
G
BE
L
P
V
L
LG
W
V
P
V
P
W–B
A1


A58
Skid Control ECU with Actuator Assembly
EXO
STPO
STP2
STP
CA2H
CA2L
CA1L
CA1H
21
3
6
33
35
34
38
37
BE
Y
BE
L
P
V
L
LG
4
9
9 AL3
8 AL3
2 AL3
3 AL3
ESSI
ACC
GND
+B
STP
OUT
A28
Stop Light Control
Relay Assembly
8
6
5
1
W–B
R
L
G
BE
L
P
V
L
LG
W
W
V
V
P
P

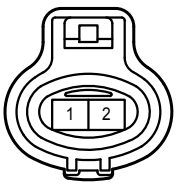

A58
Skid Control ECU with Actuator Assembly
VCSK
SKS
SKG
SKS2
GND
MRO2
MRO1
39
42
41
40
28
30
29
(Shielded)
B
R
W
G
B
B
3
4
1
2
2
1
VCSK
SKS1
SKG
SKS2
A30
Brake Pedal Stroke Sensor Assembly
BM2
BM1
M
GND2
GND1
A17(A), A18(B)
Brake Booster Pump Assembly
1
2
W–B
W
5
9
A56
Junction Connector
8
BR
W–B
W–B
W
W
V
V
P
P
BR
W–B
W–B
W–B
A3
A3
A4


A58
Skid Control ECU with Actuator Assembly
SP1
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
IG1
11
22
9
20
7
31
32
18
5
16
W
B
W
B
R
G
P
L
V
Rear Speed Sensors
Front Speed Sensors
(IG)
10A
ECU–IG
NO. 2
26
2C
B
2
A54
Junction Connector
3
B
18
AL2
V
W
W
V
V
V
P
P

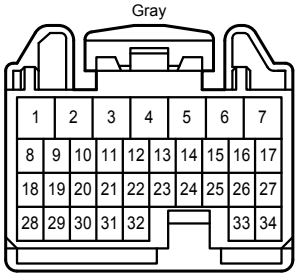

(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
18
19
B
IG+
Display
I/F
Driver
CPU
CAN IC
I/F
I/F
CANL
CANH
SI
+S
ES
11
10
8
7
30
L27
Combination Meter Assembly
W
P
BR
W
2
3A
26
3A
V
V
V
17
16
L89
Junction
Connector
V
V
P
L2

A 17
Gray

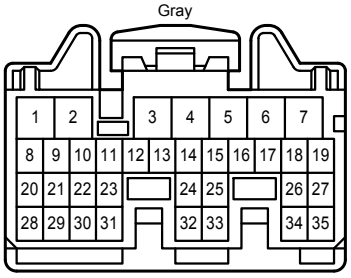
A 18
Black



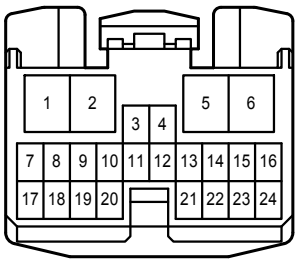
A 21
Gray



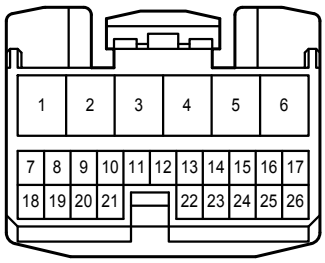
A 22
Gray



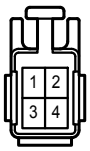
A 23
White



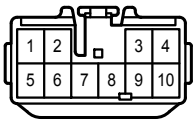
A 24
White



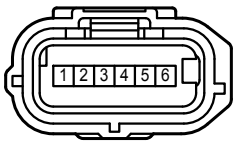
A 26
White



A 28
Black

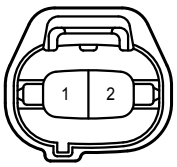


A 29
Black

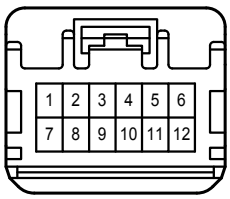


A 30
Black

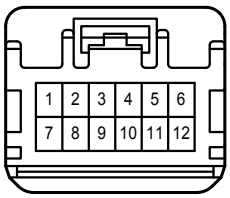
A 32
Black



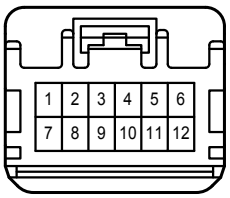
A 50
White



A 51
White



A 52
Black



A 53
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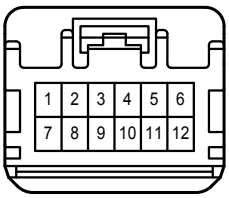

A 54
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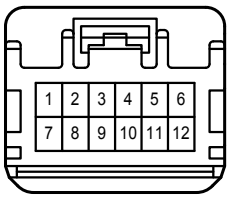

A 55
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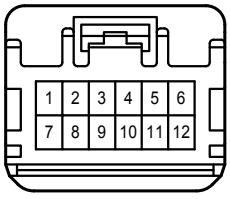

A 56
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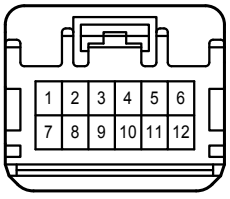

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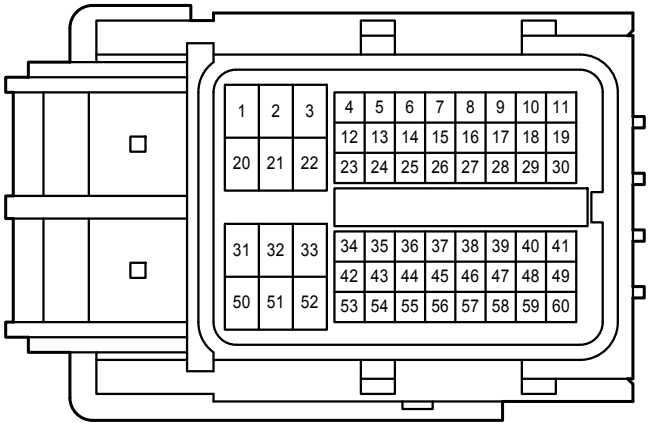
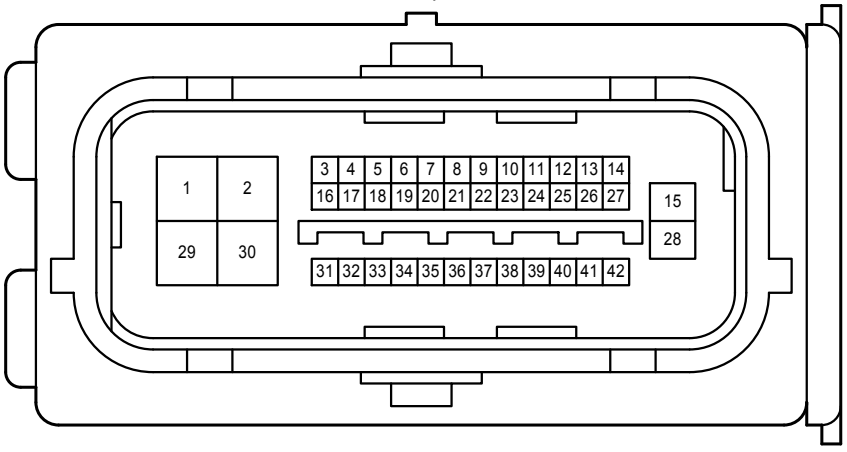


A 58
Gray



A 59
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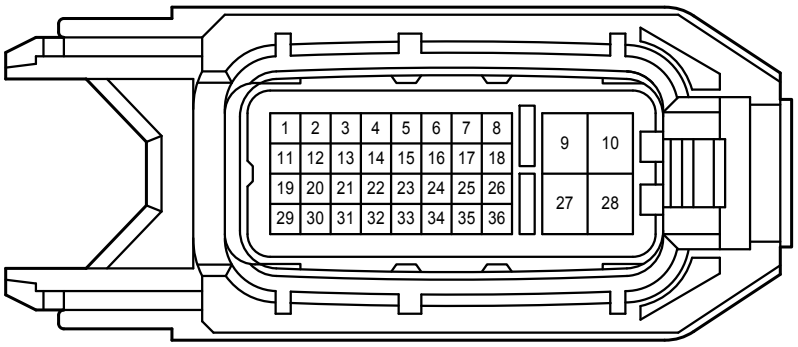
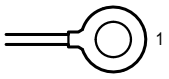


B 1



D 1
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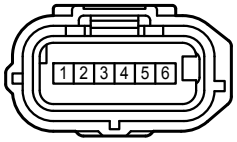

D 2
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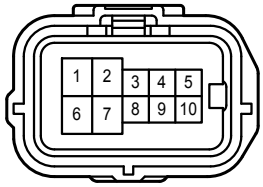

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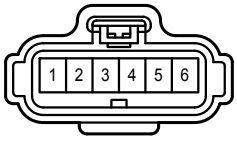
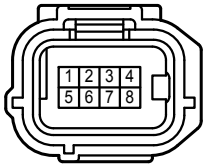
Black



D 7
Gray



D 8
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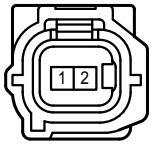

D 27
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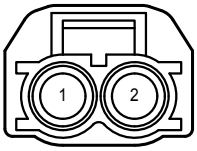

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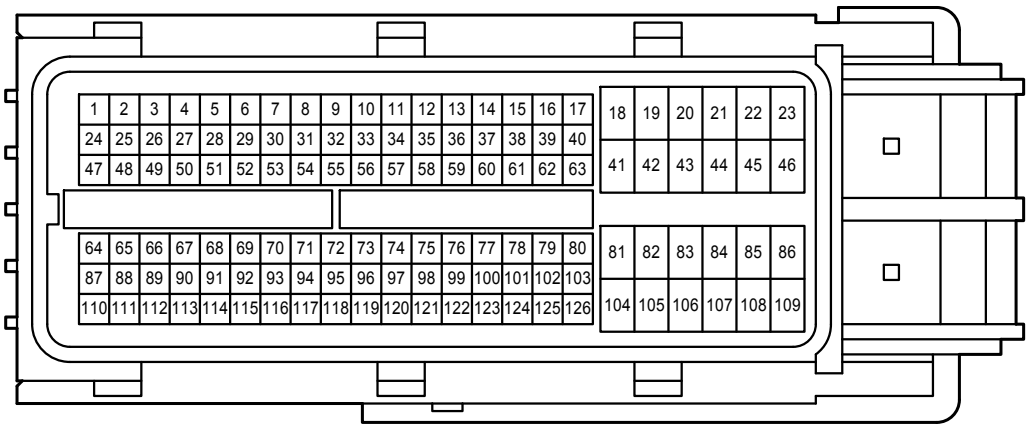
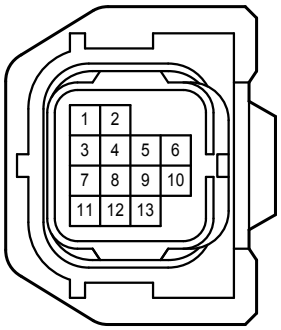
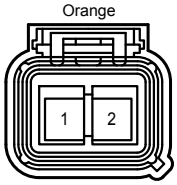


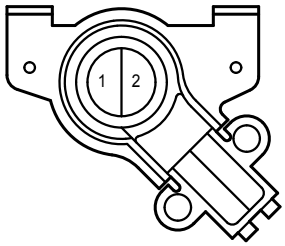
D 29
Black



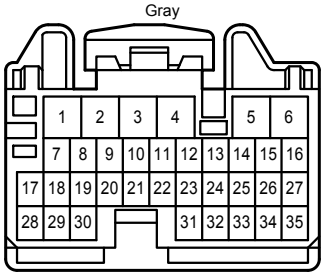
E 1
Orange



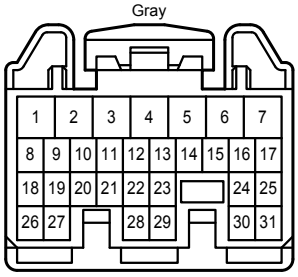
E 2
White



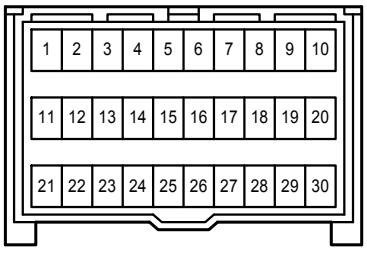
L 5
Gray



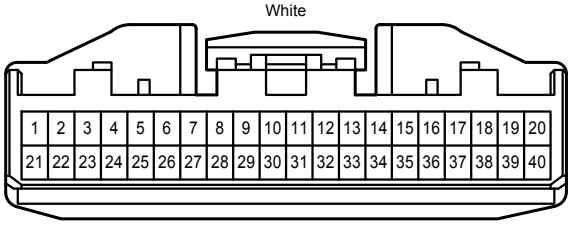
L 6
Gray



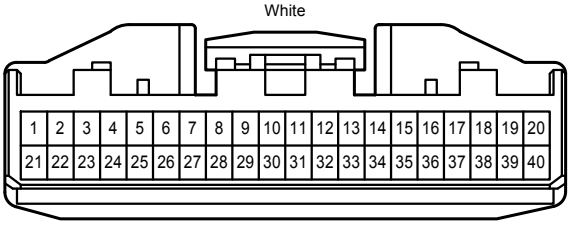
L 16
Yellow



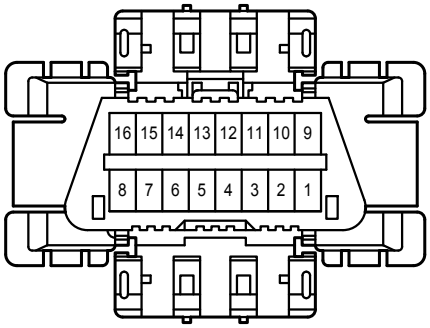
L 17
White



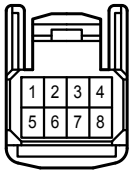
L 27
White



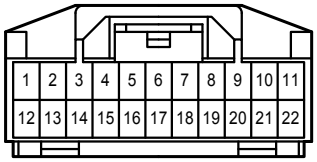
L 61
White



L 78
Black



L 89
Black



L 92
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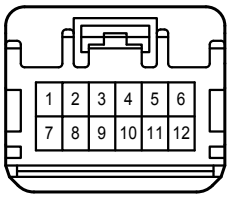

L 93
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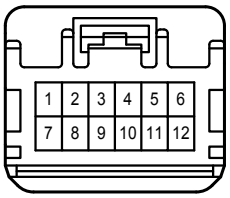

L 94
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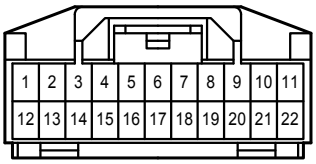

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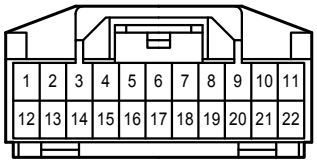

L101
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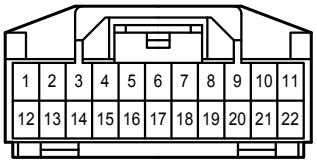

S 14
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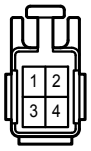
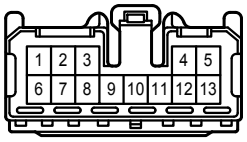
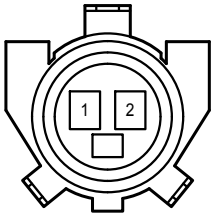


S 17
Black

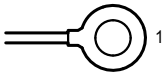
S 20
White



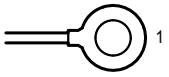
T 1
White



T 3



T 4



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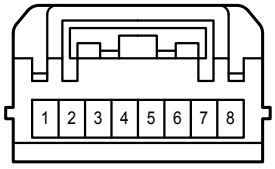

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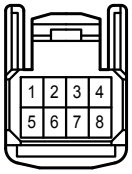

c 2
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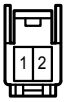

c 3
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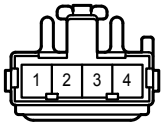

c 4
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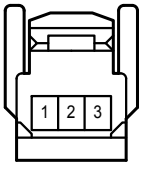

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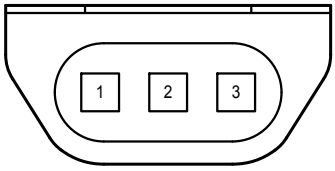

e 2
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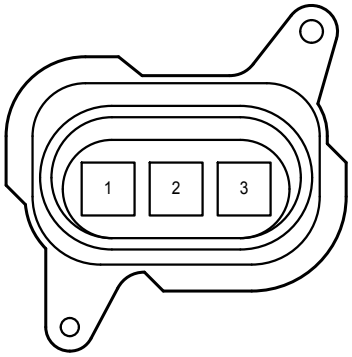
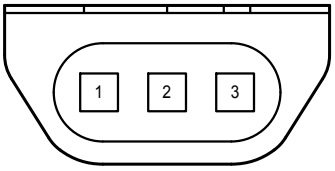


f 1
Orange



f 2
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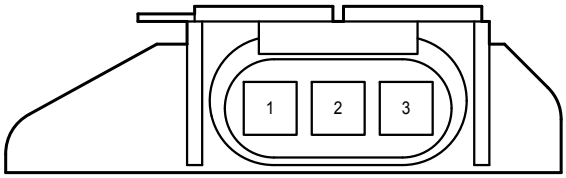
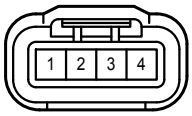
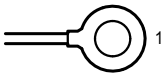


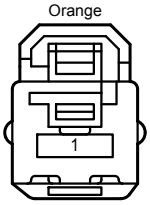
g 1
Black



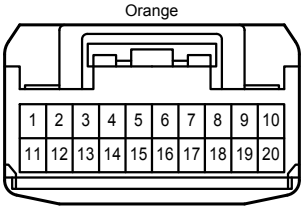
h 1



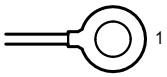
h 2
Orange



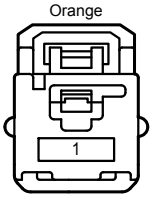
j 1
Orange



k 1



k 2
Orange



z 5
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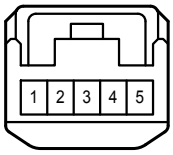

z 6
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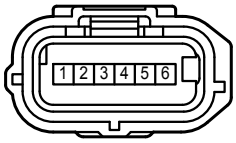

z 17
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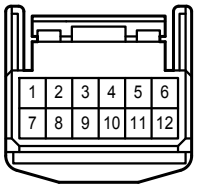
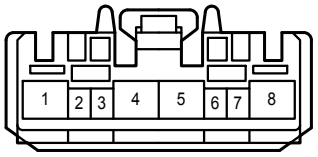
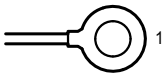


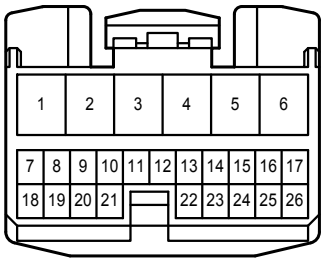
1A
White



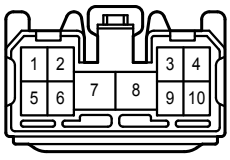
1F



1G
White



1H
White



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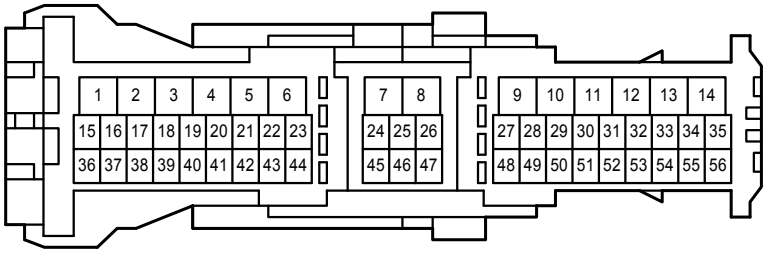
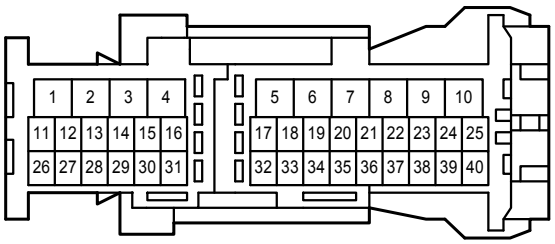
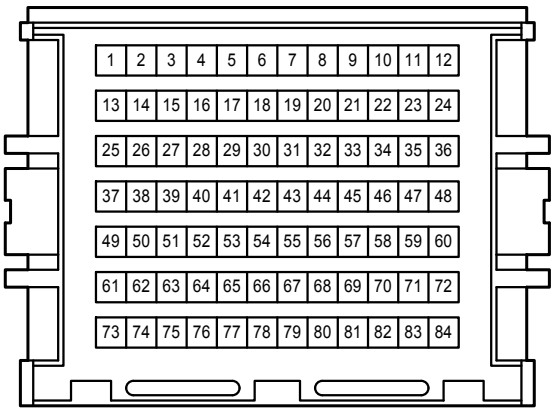


2C
White



3A
White



3B
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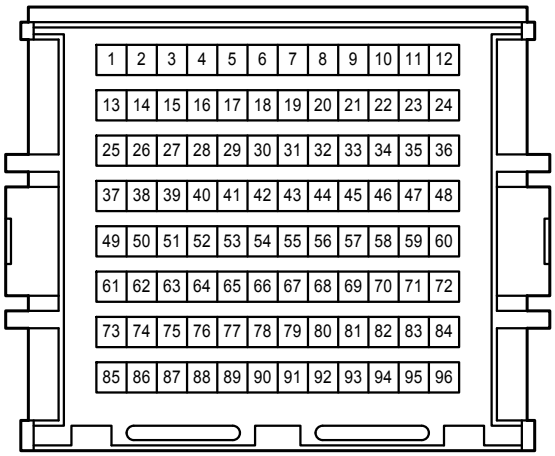
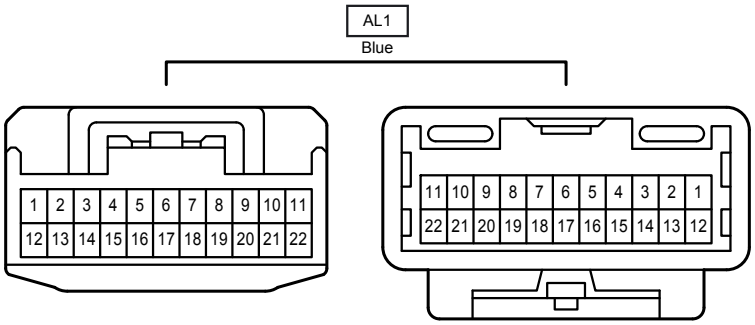
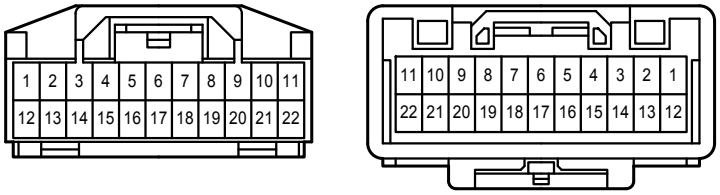


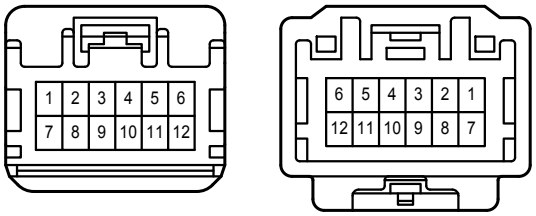
AL1
Blue



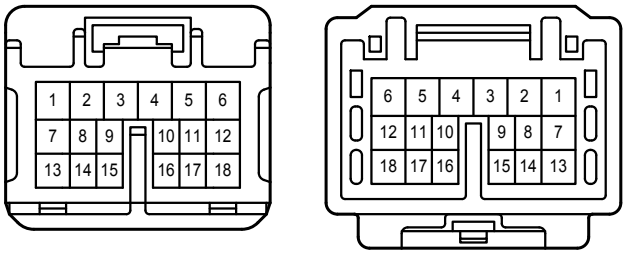
AL2
Gray



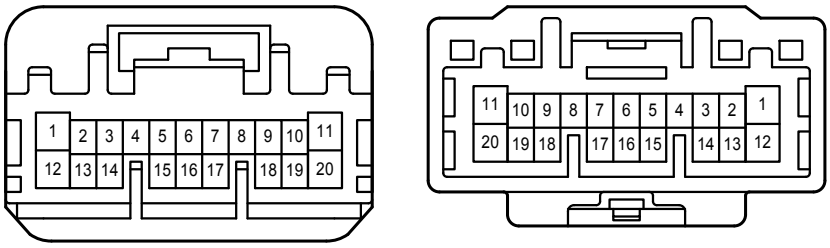
AL3
White



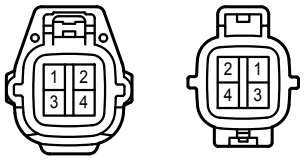
AL8
White



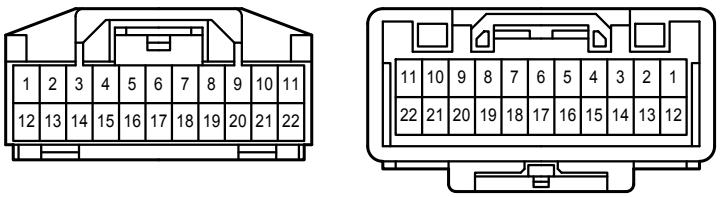
AS1
White



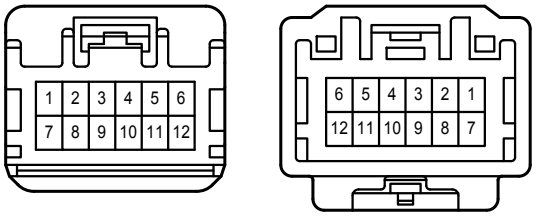
Ag1
Black

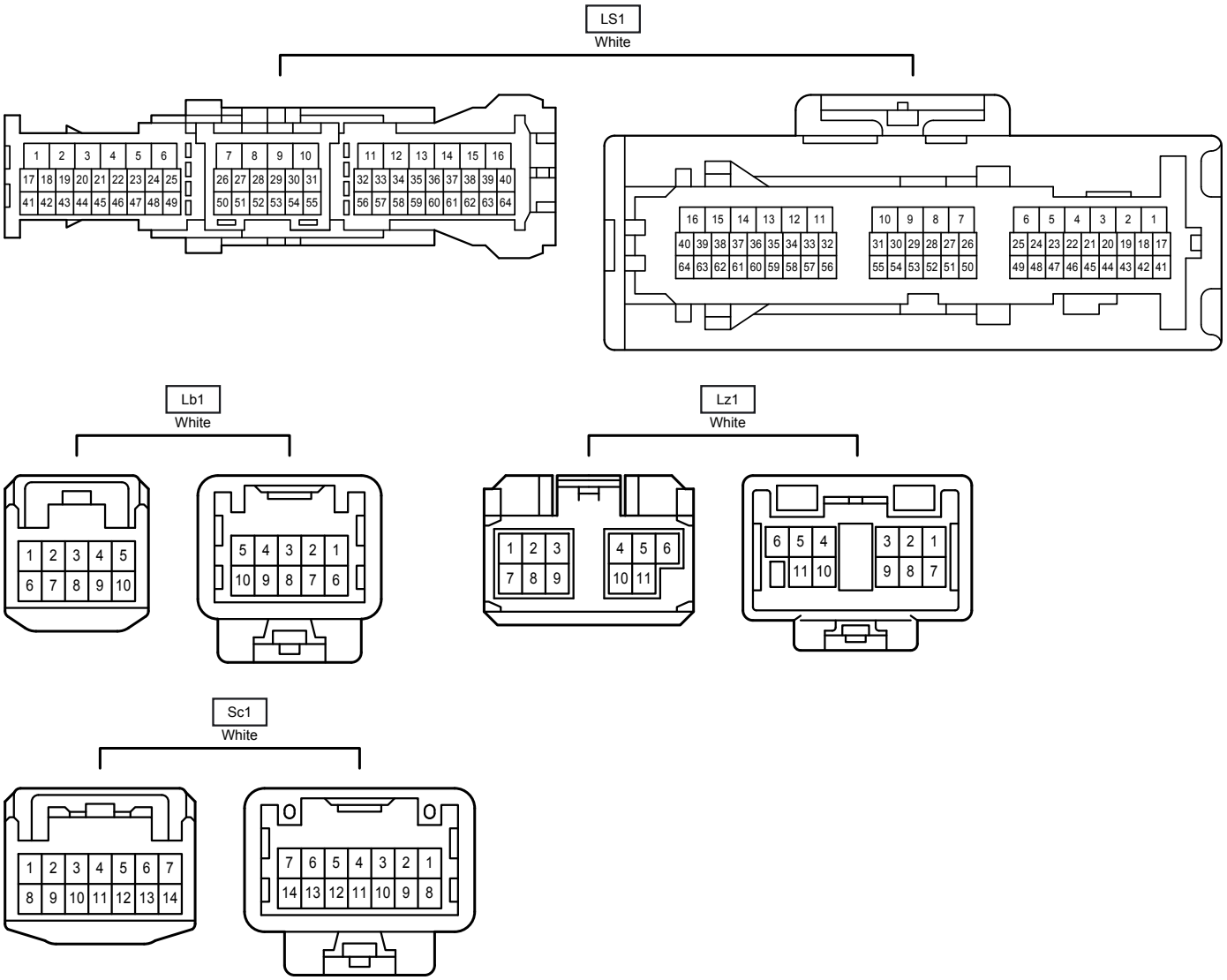


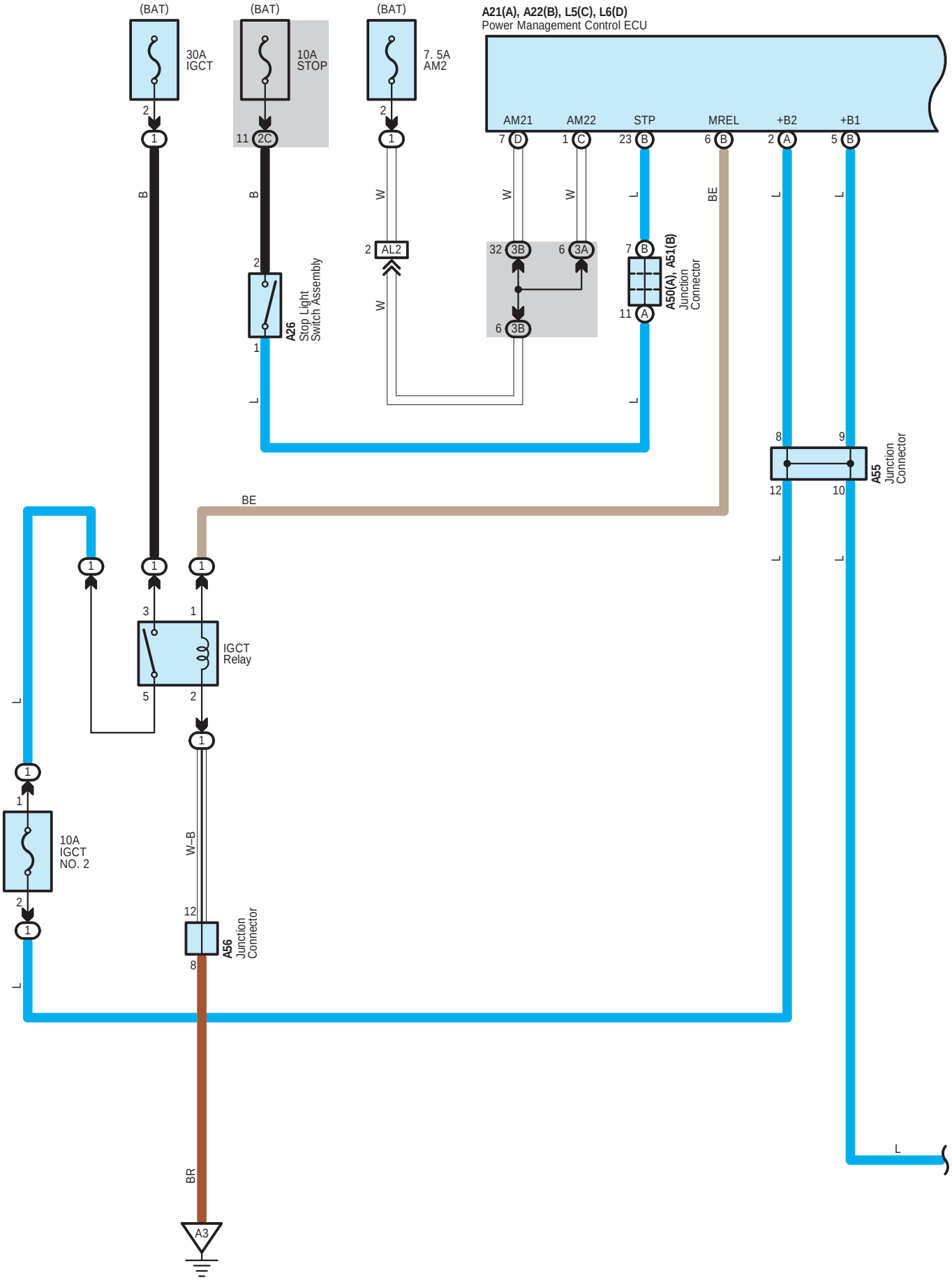
DA1
White

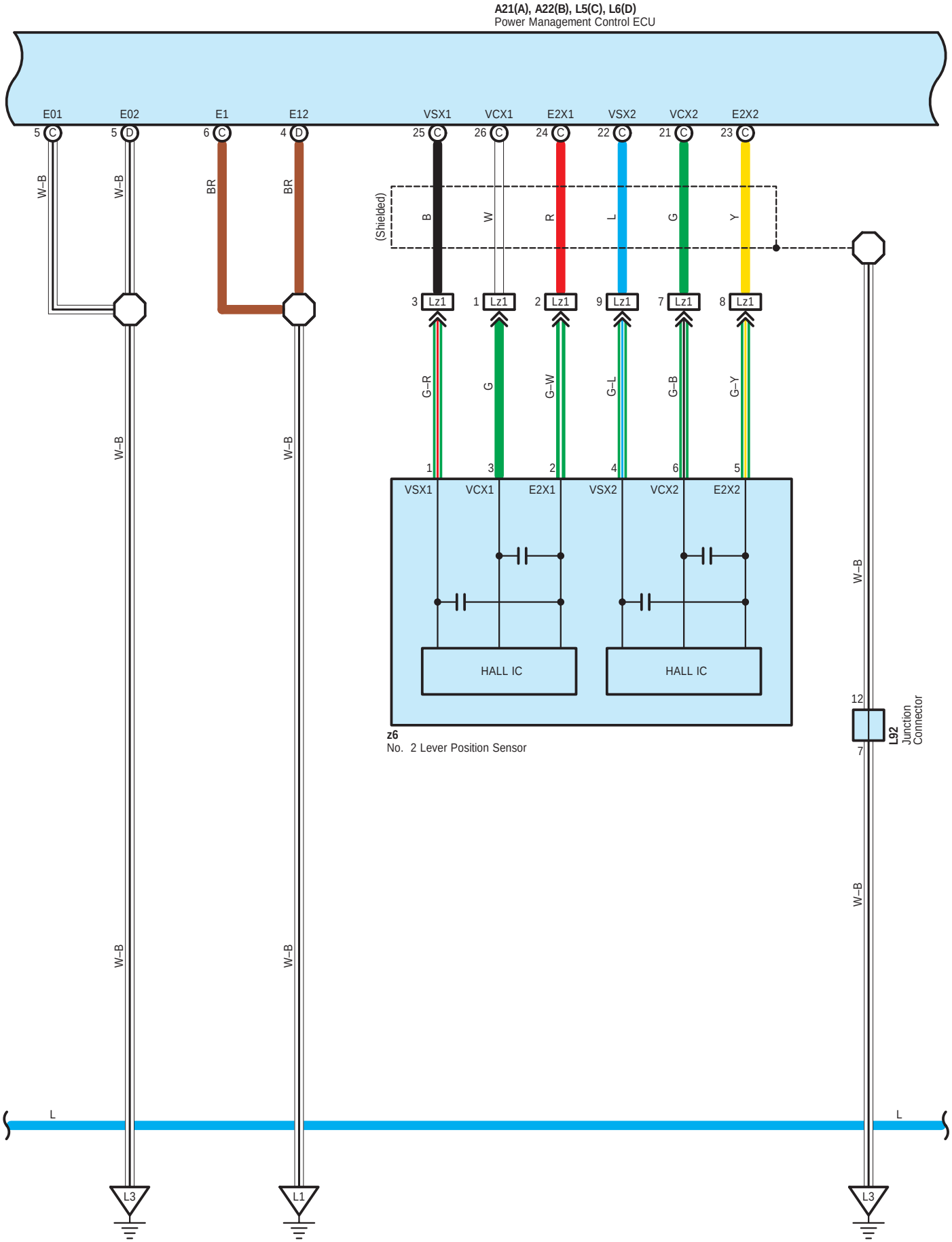


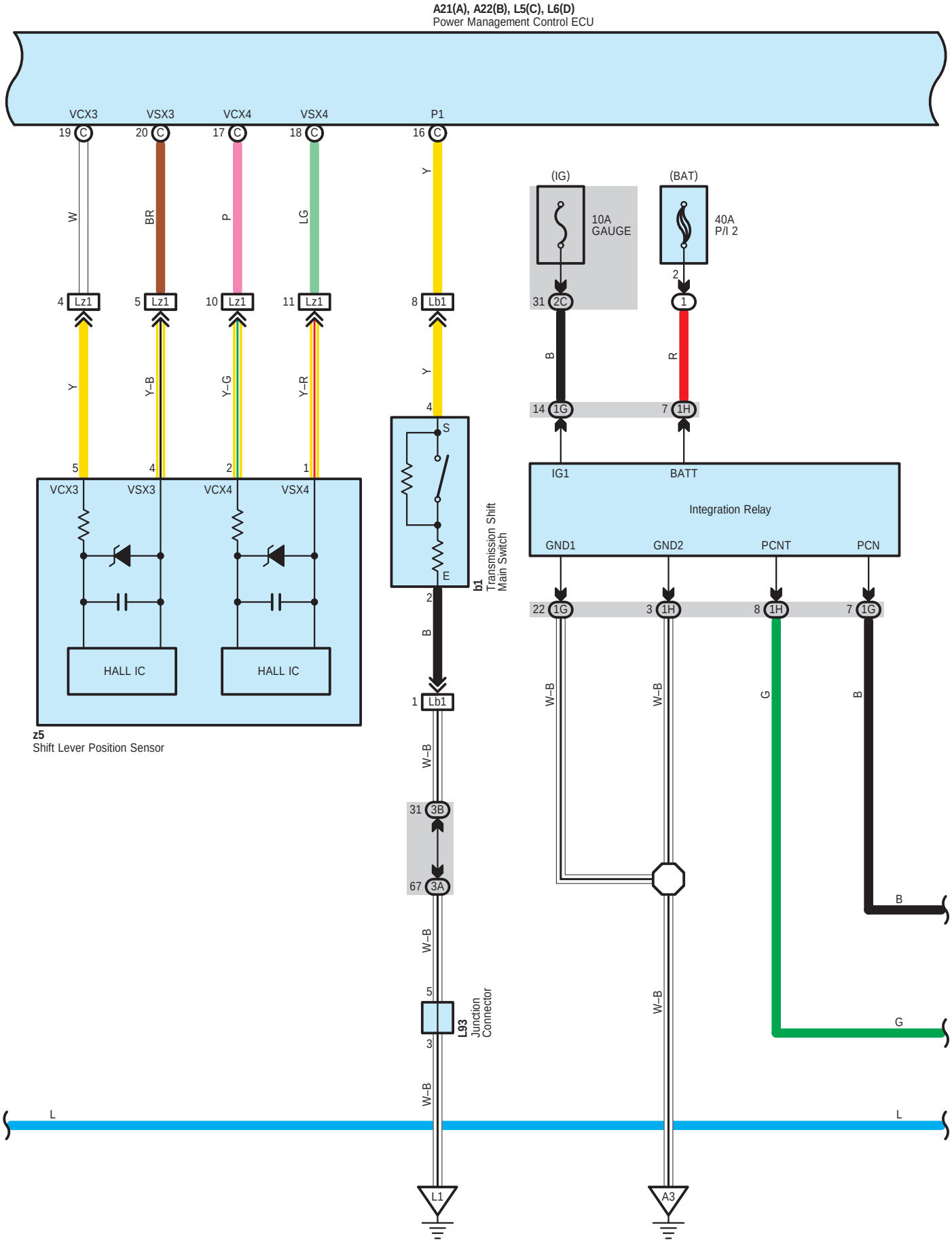
DA2
White

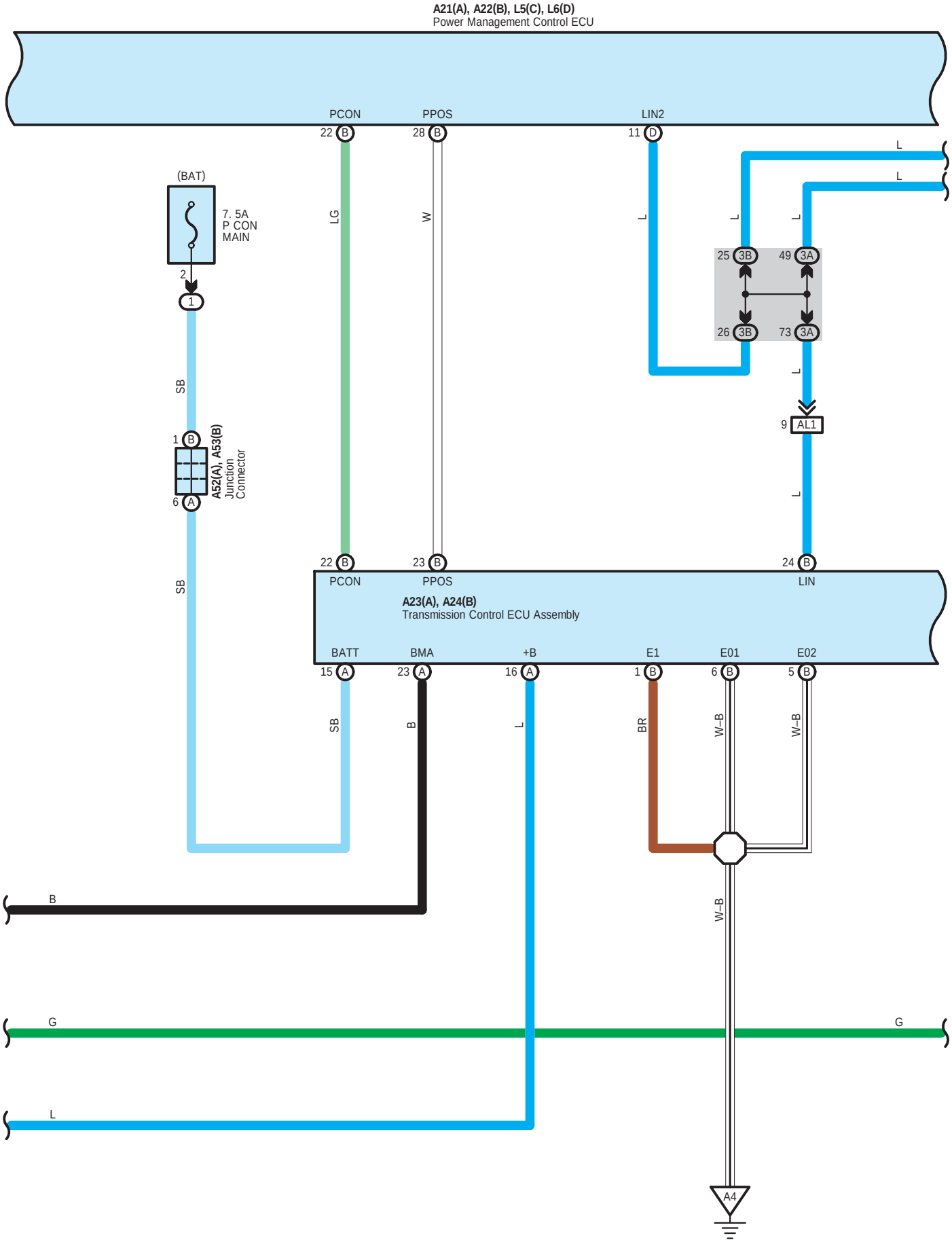


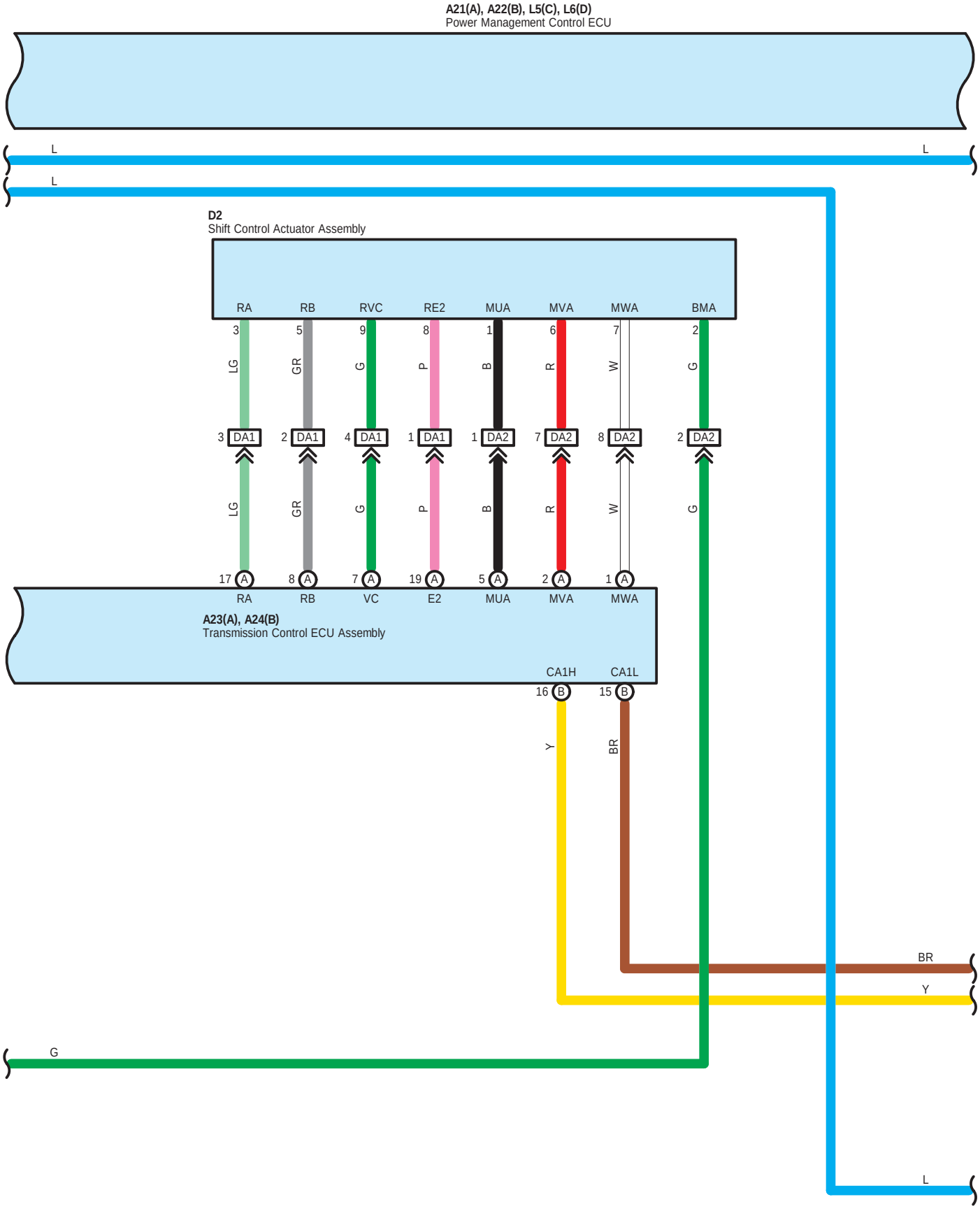

LS1
White
1 2 3 4 5 6
17 18 19 20 21 22 23 24 25
41 42 43 44 45 46 47 48 49
7 8 9 10
26 27 28 29 30 31
50 51 52 53 54 55
11 12 13 14 15 16
32 33 34 35 36 37 38 39 40
56 57 58 59 60 61 62 63 64
16 15 14 13 12 11
40 39 38 37 36 35 34 33 32
64 63 62 61 60 59 58 57 56
10 9 8 7
31 30 29 28 27 26
55 54 53 52 51 50
6 5 4 3 2 1
25 24 23 22 21 20 19 18 17
49 48 47 46 45 44 43 42 41
Lb1
White
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6
Lz1
White
1 2 3
7 8 9
4 5 6
10 11
6 5 4
11 10
3 2 1
9 8 7
Sc1
White
1 2 3 4 5 6 7
8 9 10 11 12 13 14
7 6 5 4 3 2 1
14 13 12 11 10 9 8

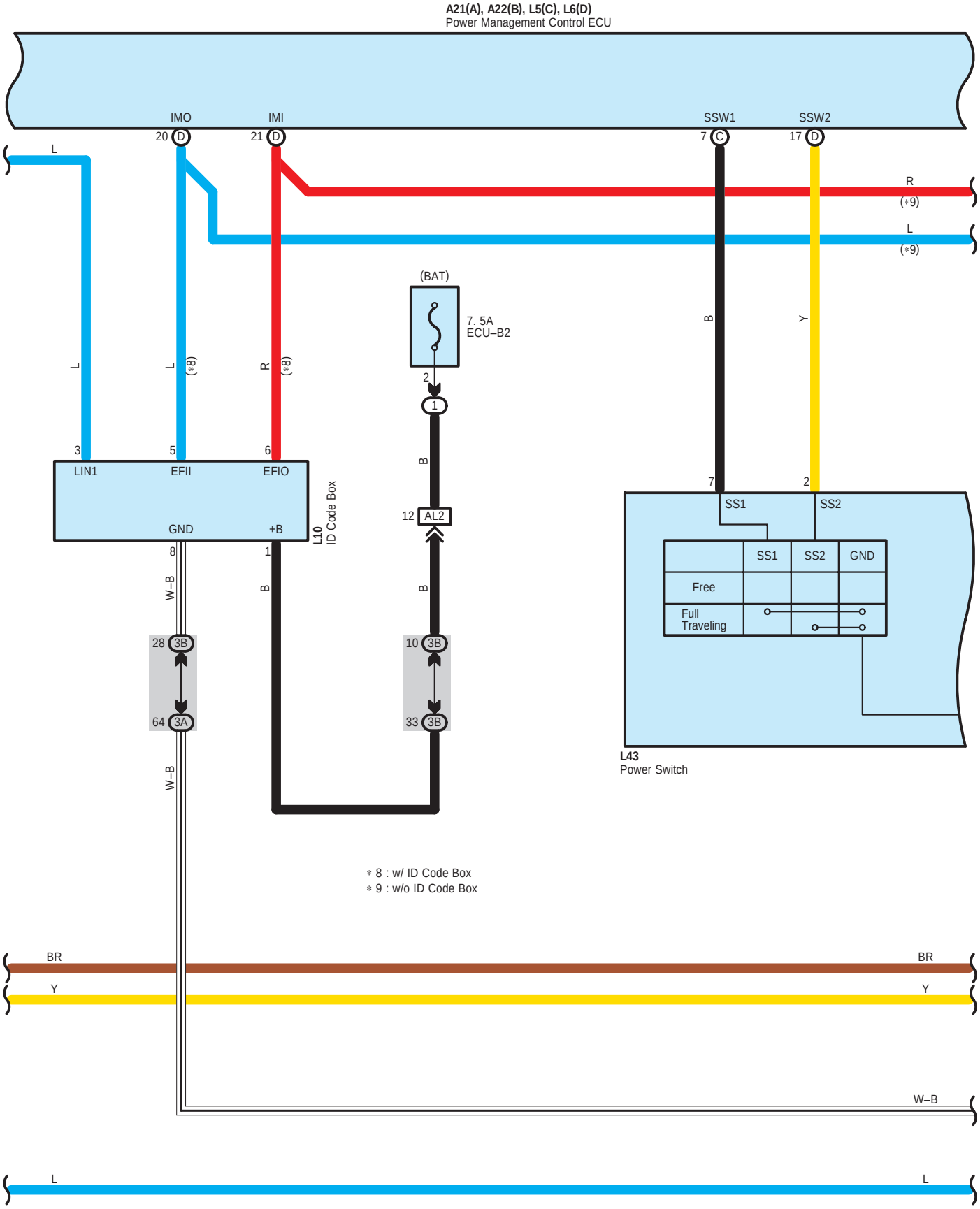

(BAT)
30A
IGCT
(BAT)
10A
STOP
(BAT)
7. 5A
AM2
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
AM21
AM22
STP
MREL
+B2
+B1
A26
Stop Light
Switch Assembly
AL2
A50(A), A51(B)
Junction
Connector
A55
Junction
Connector
IGCT
Relay
10A
IGCT
NO. 2
A56
Junction
Connector
A3
B
W
L
BE
W–B
BR

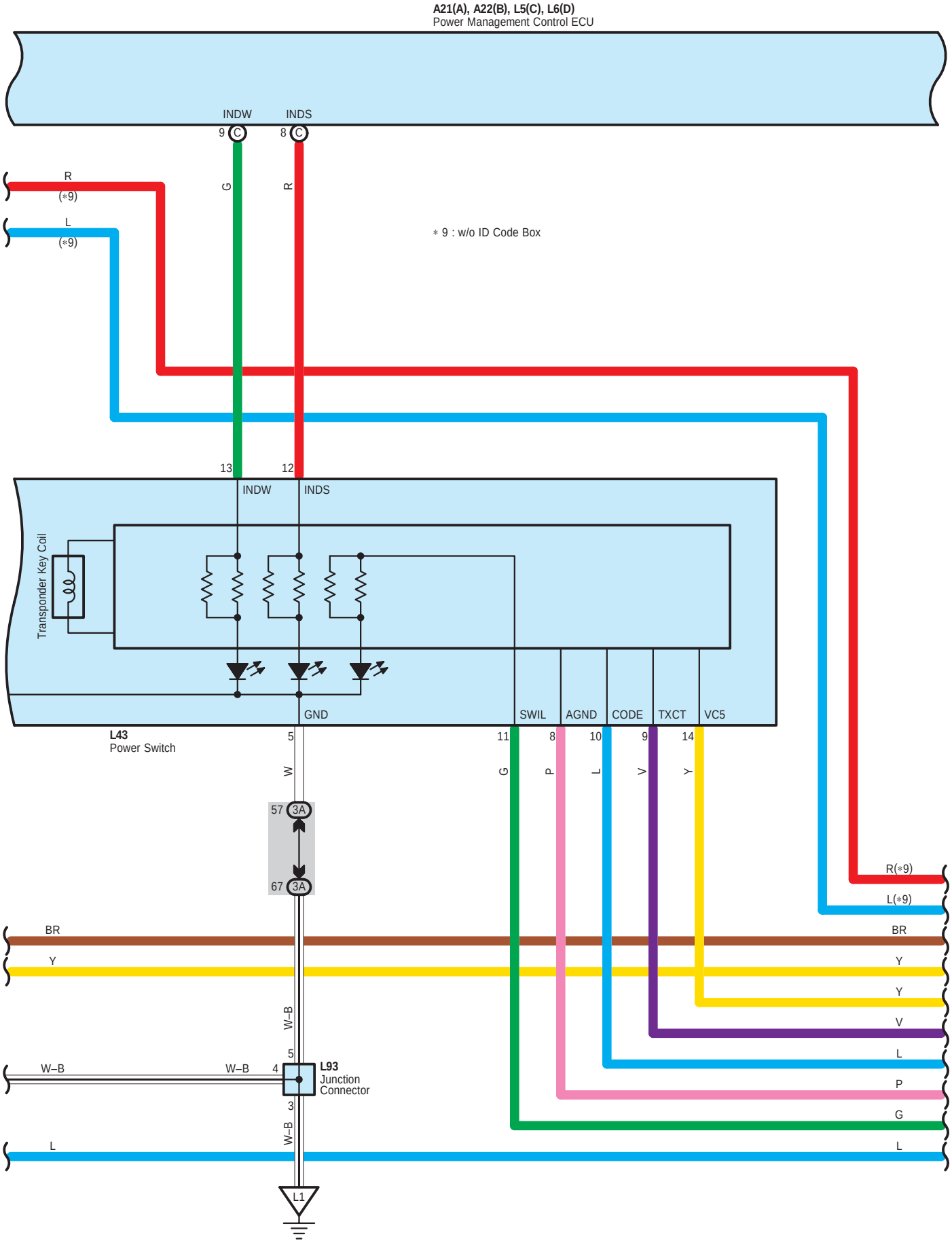

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
E01
E02
E1
E12
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
5 C
5 D
6 C
4 D
25 C
26 C
24 C
22 C
21 C
23 C
W–B
W–B
BR
BR
(Shielded)
B
W
R
L
G
Y
3 Lz1
1 Lz1
2 Lz1
9 Lz1
7 Lz1
8 Lz1
G–R
G
G–W
G–L
G–B
G–Y
1
3
2
4
6
5
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
HALL IC
HALL IC
z6
No. 2 Lever Position Sensor
W–B
W–B
W–B
W–B
W–B
12
7
L92
Junction Connector
L
L
L3
L1
L3

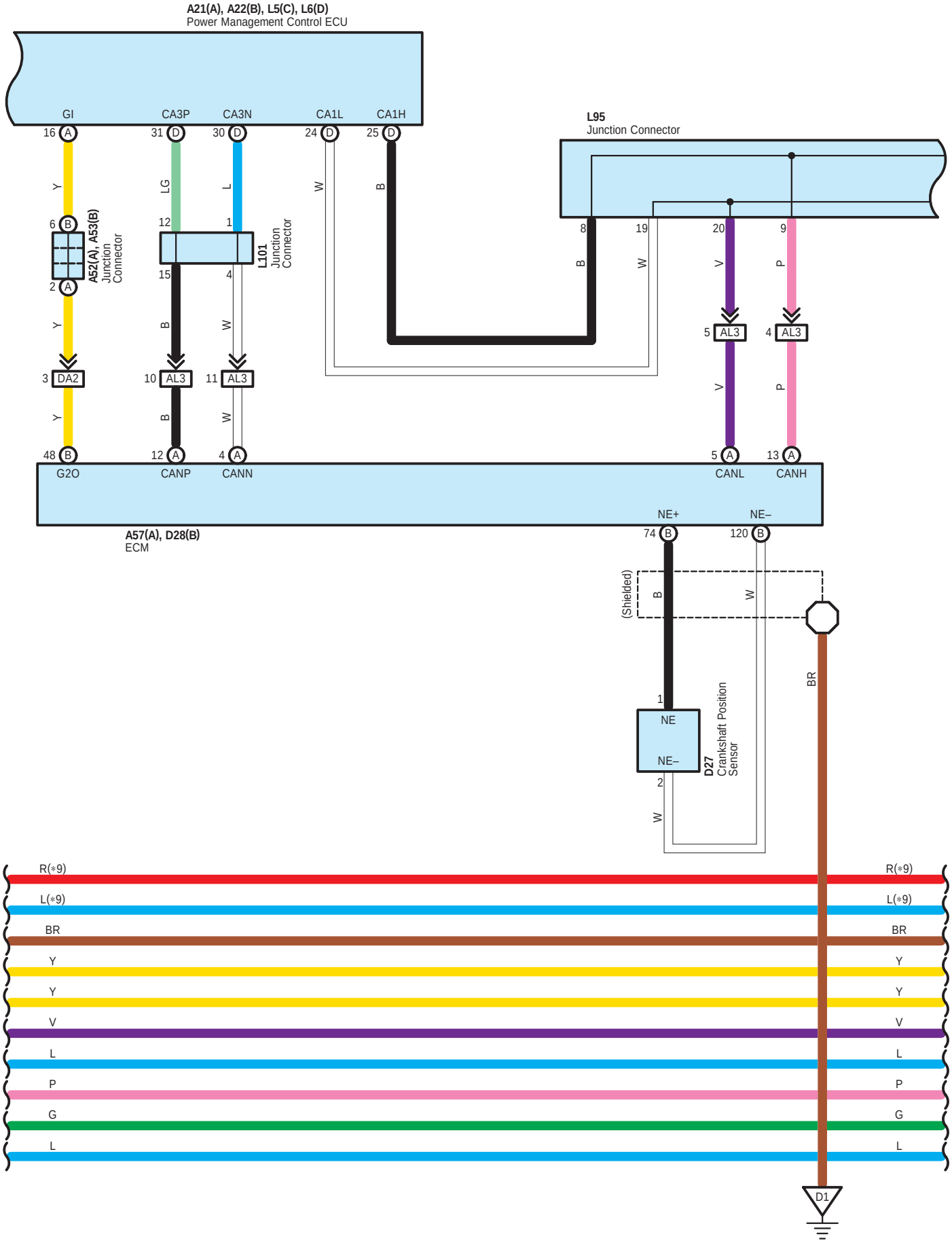

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
VCX3
VSX3
VCX4
VSX4
P1
19 C
20 C
17 C
18 C
16 C
W
BR
P
LG
Y
4 Lz1
5 Lz1
10 Lz1
11 Lz1
8 Lb1
Y
Y–B
Y–G
Y–R
Y
5
4
2
1
4
VCX3
VSX3
VCX4
VSX4
HALL IC
HALL IC
z5
Shift Lever Position Sensor
S
E
b1
Transmission Shift
Main Switch
2
B
1 Lb1
W–B
31 3B
67 3A
W–B
5
L93
Junction
Connector
3
W–B
L
L1
(IG)
10A
GAUGE
(BAT)
40A
P/I 2
2
31 2C
1
B
R
14 1G
7 1H
IG1
BATT
Integration Relay
GND1
GND2
PCNT
PCN
22 1G
3 1H
8 1H
7 1G
W–B
W–B
G
B
B
G
W–B
L
A3

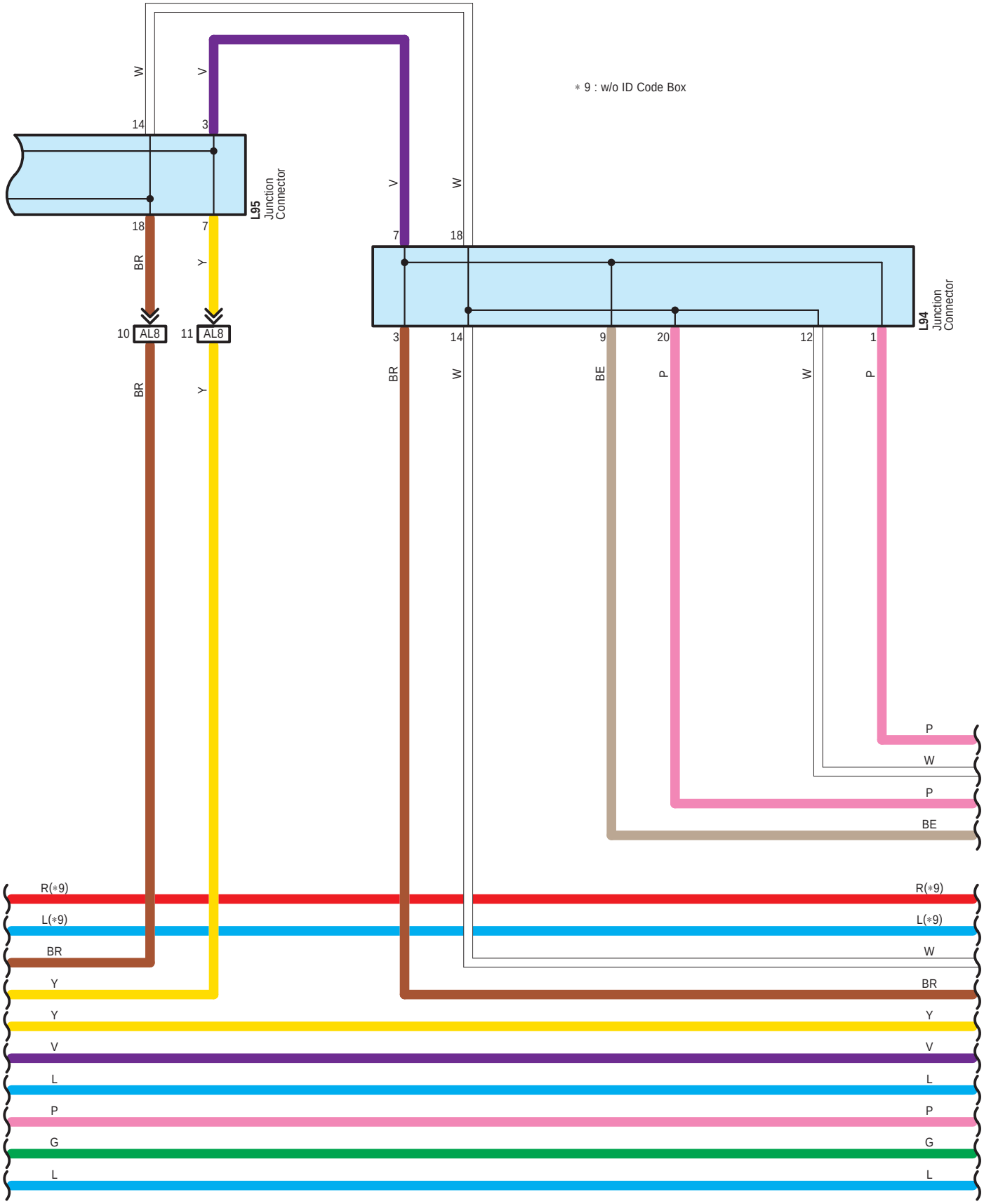

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
PCON
PPOS
LIN2
22 B
28 B
11 D
(BAT)
7. 5A
P CON
MAIN
2
1
LG
W
L
L
L
L
25 3B
49 3A
26 3B
73 3A
L
9 AL1
SB
1 B
A52(A), A53(B)
Junction
Connector
6 A
L
SB
22 B
23 B
24 B
PCON
PPOS
LIN
A23(A), A24(B)
Transmission Control ECU Assembly
BATT
BMA
+B
E1
E01
E02
15 A
23 A
16 A
1 B
6 B
5 B
SB
B
L
BR
W-B
W-B
B
W-B
G
G
L
A4

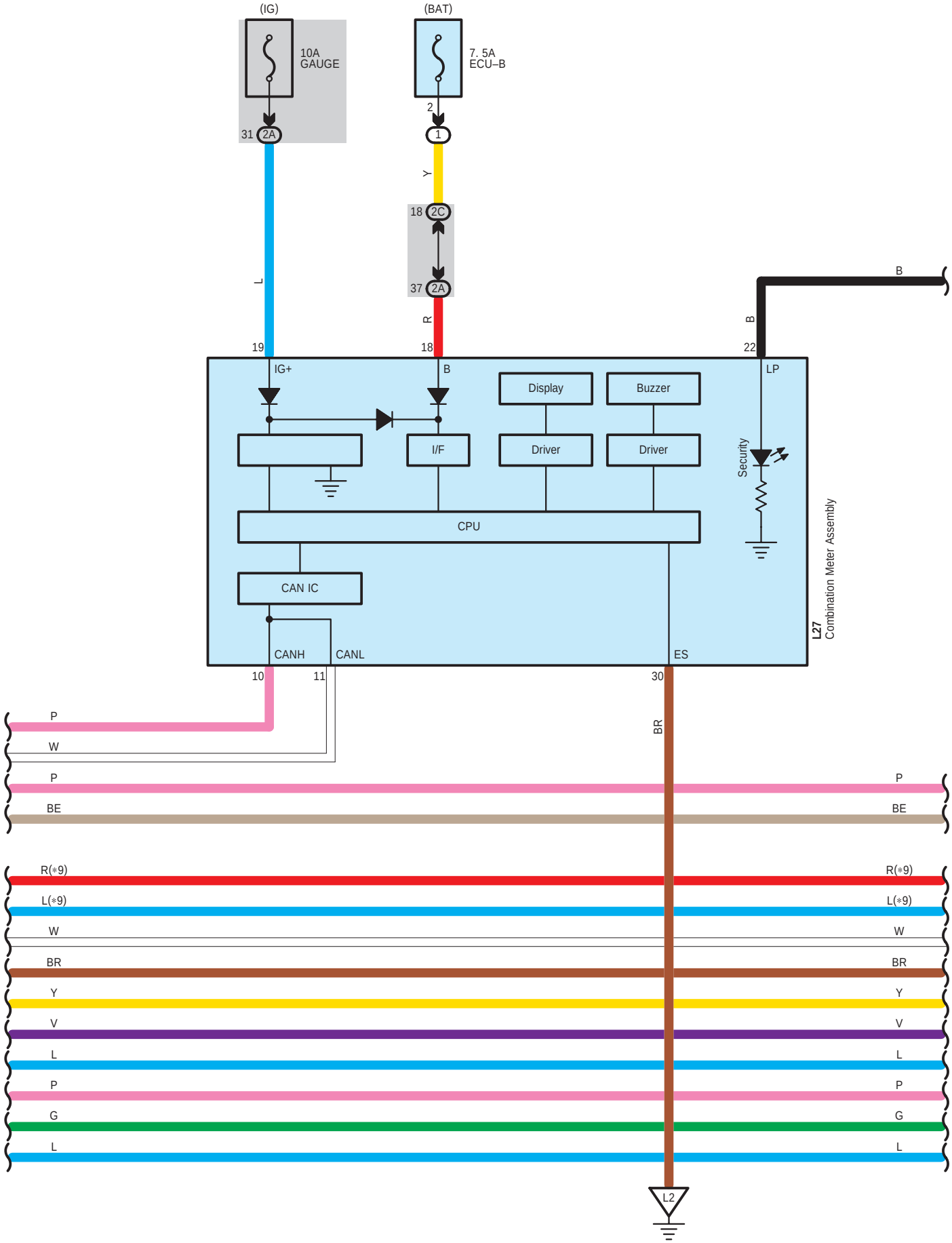

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
L
L
L
L
D2
Shift Control Actuator Assembly
RA
RB
RVC
RE2
MUA
MVA
MWA
BMA
3
5
9
8
1
6
7
2
LG
GR
G
P
B
R
W
G
3 DA1
2 DA1
4 DA1
1 DA1
1 DA2
7 DA2
8 DA2
2 DA2
17 A
8 A
7 A
19 A
5 A
2 A
1 A
RA
RB
VC
E2
MUA
MVA
MWA
A23(A), A24(B)
Transmission Control ECU Assembly
CA1H
CA1L
16 B
15 B
Y
BR
BR
Y
G
L

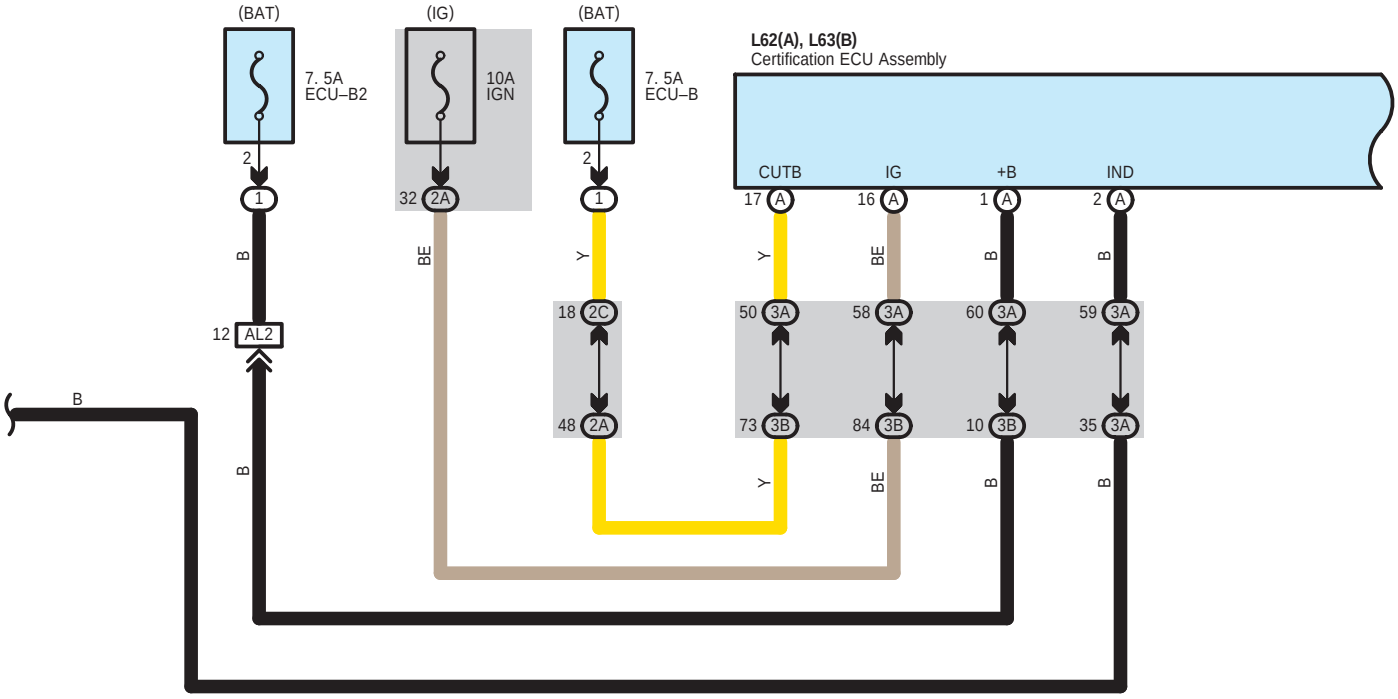

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
IMO
IMI
SSW1
SSW2
20 D
21 D
7 C
17 D
L
R
(*9)
L
(*9)
(BAT)
7. 5A
ECU–B2
2
1
B
12 AL2
B
L
L
(*8)
R
(*8)
B
Y
3
5
6
LIN1
EFII
EFIO
GND
+B
8
1
W–B
B
28 3B
64 3A
10 3B
33 3B
W–B
L10
ID Code Box
7
2
SS1
SS2
SS1
SS2
GND
Free
Full
Traveling
L43
Power Switch
* 8 : w/ ID Code Box
* 9 : w/o ID Code Box
BR
BR
Y
Y
W–B
L
L


A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
INDW
INDS
9 C
8 C
G
R
R
(*9)
L
(*9)
* 9 : w/o ID Code Box
13
12
INDW
INDS
Transponder Key Coil
GND
SWIL
AGND
CODE
TXCT
VC5
L43
Power Switch
5
11
8
10
9
14
W
G
P
L
V
Y
57 3A
67 3A
R(*9)
L(*9)
BR
Y
BR
Y
Y
V
L
P
G
L
W–B
5
W–B
W–B
4
L93
Junction
Connector
3
W–B
L
L
L1

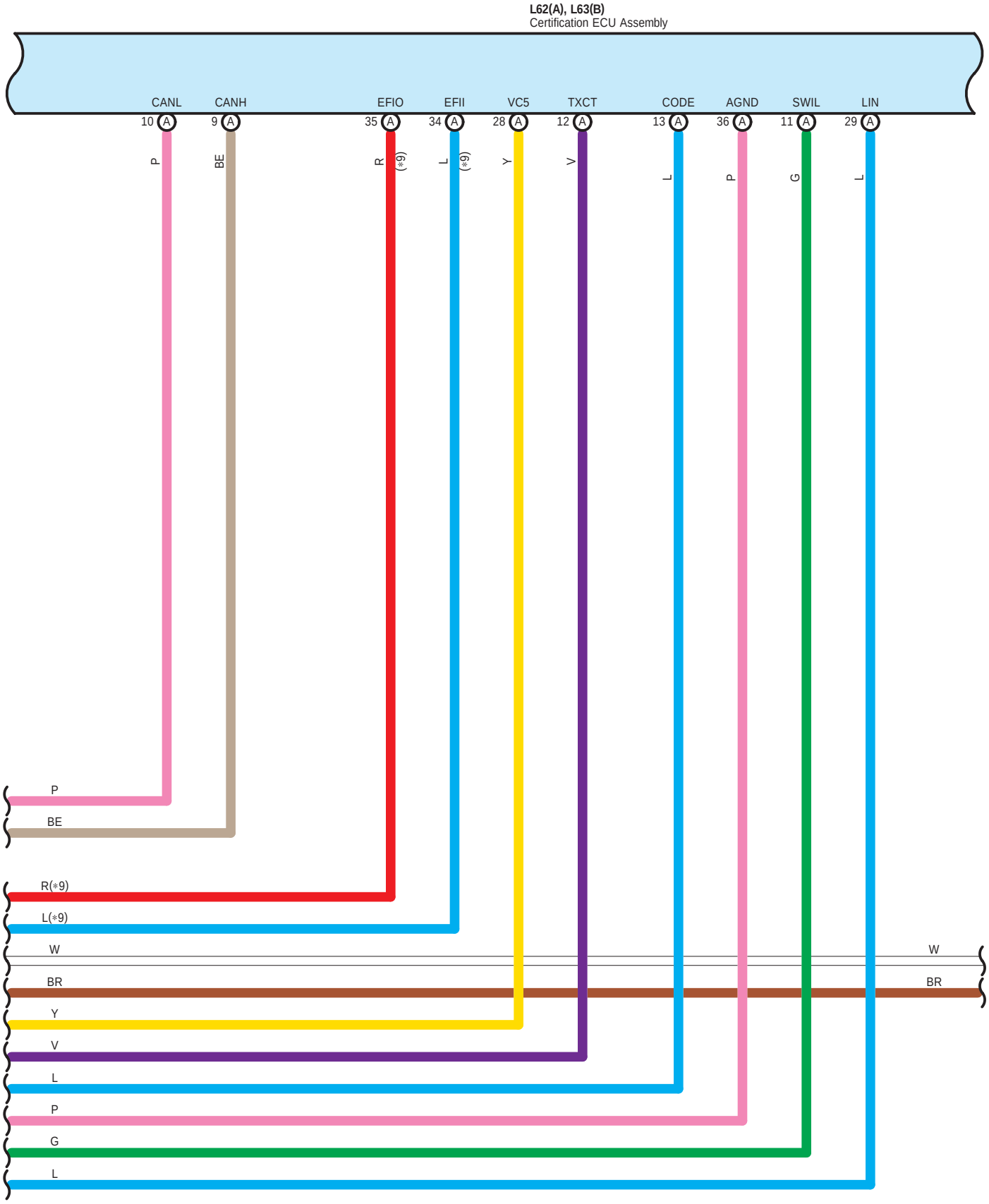

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
GI
CA3P
CA3N
CA1L
CA1H
16 A
31 D
30 D
24 D
25 D
Y
LG
L
W
B
L95
Junction Connector
8
19
20
9
B
W
V
P
6 B
12
1
A52(A), A53(B)
Junction
Connector
L101
Junction
Connector
15
4
2 A
Y
B
W
5 AL3
4 AL3
V
P
3 DA2
10 AL3
11 AL3
Y
B
W
48 B
12 A
4 A
5 A
13 A
G2O
CANP
CANN
CANL
CANH
A57(A), D28(B)
ECM
NE+
NE–
74 B
120 B
(Shielded)
B
W
BR
1
NE
NE–
2
D27
Crankshaft Position
Sensor
W
R(∗9)
L(∗9)
BR
Y
Y
V
L
P
G
L
D1

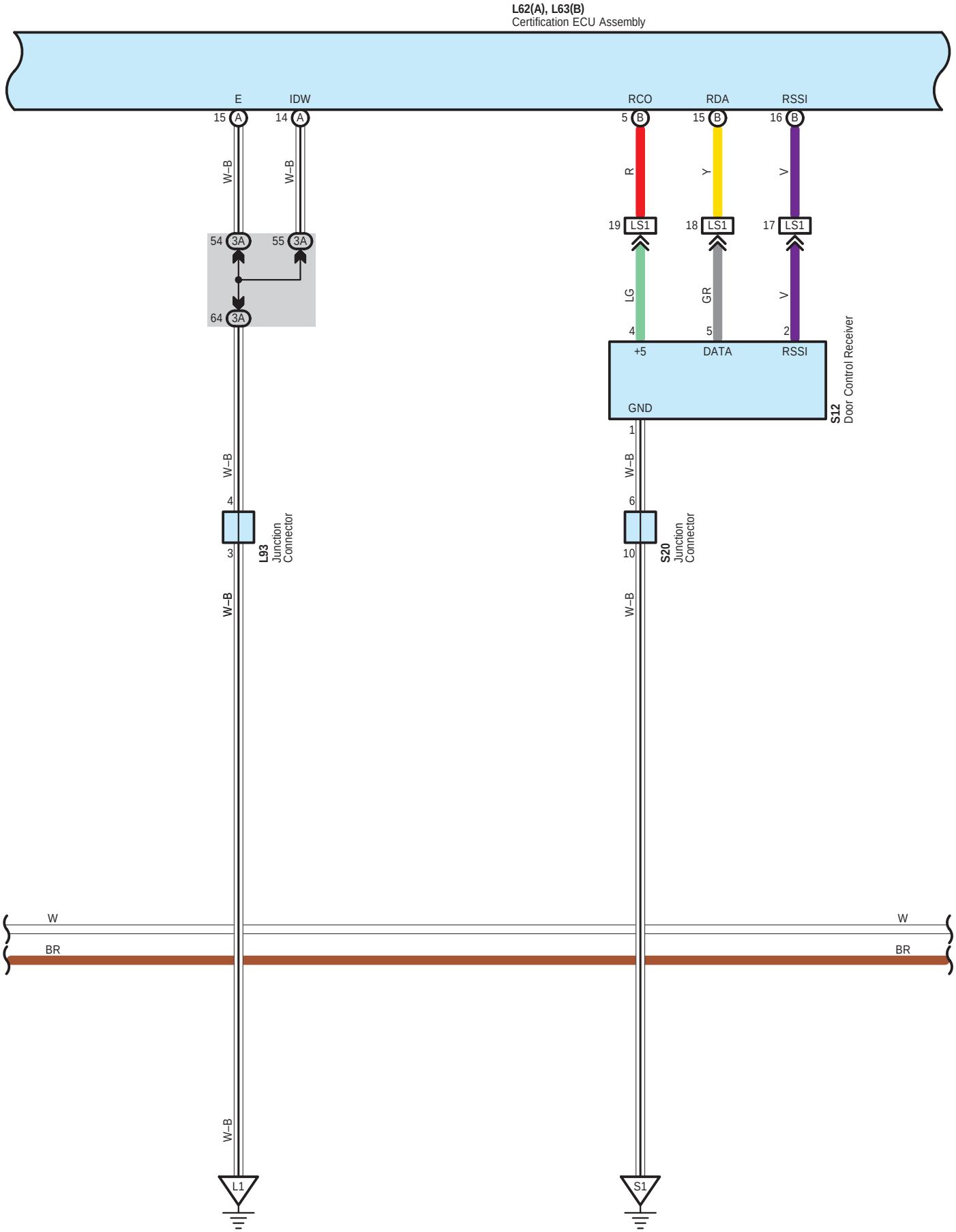

∗ 9 : w/o ID Code Box
W
V
14
3
L95
Junction
Connector
18
7
BR
Y
10
AL8
11
AL8
BR
Y
V
W
7
18
L94
Junction
Connector
3
14
9
20
12
1
BR
W
BE
P
W
P
P
W
P
BE
R(∗9)
L(∗9)
BR
Y
Y
V
L
P
G
L
R(∗9)
L(∗9)
W
BR
Y
V
L
P
G
L

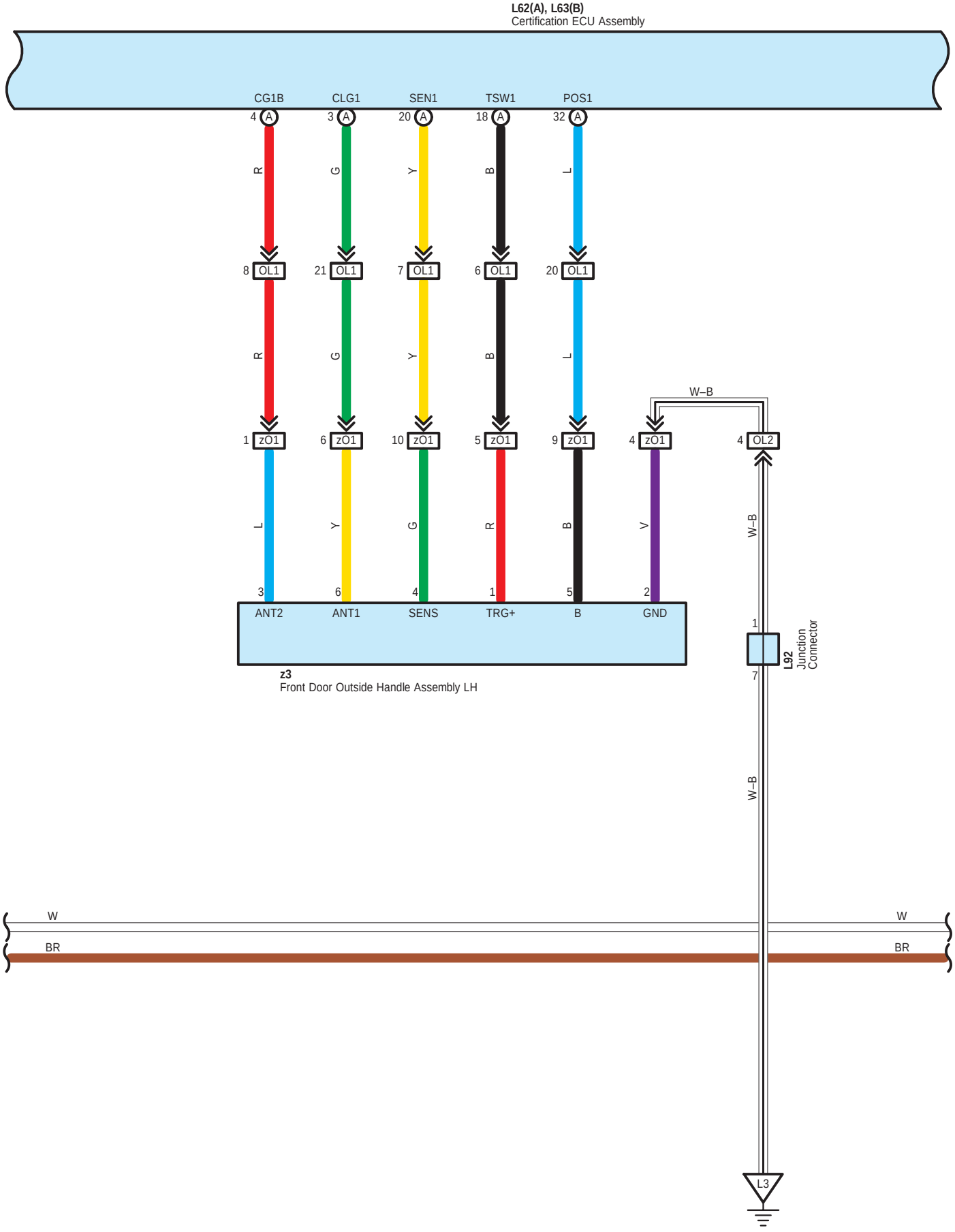

(IG)
10A
GAUGE
31 2A
(BAT)
7. 5A
ECU–B
2
1
Y
18 2C
37 2A
R
L
19
18
B
B
22
IG+
B
LP
Display
Buzzer
I/F
Driver
Driver
Security
CPU
CAN IC
CANH
CANL
ES
10
11
30
L27
Combination Meter Assembly
BR
P
W
P
BE
P
BE
R(∗9)
L(∗9)
W
BR
Y
V
L
P
G
L
R(∗9)
L(∗9)
W
BR
Y
V
L
P
G
L
L2

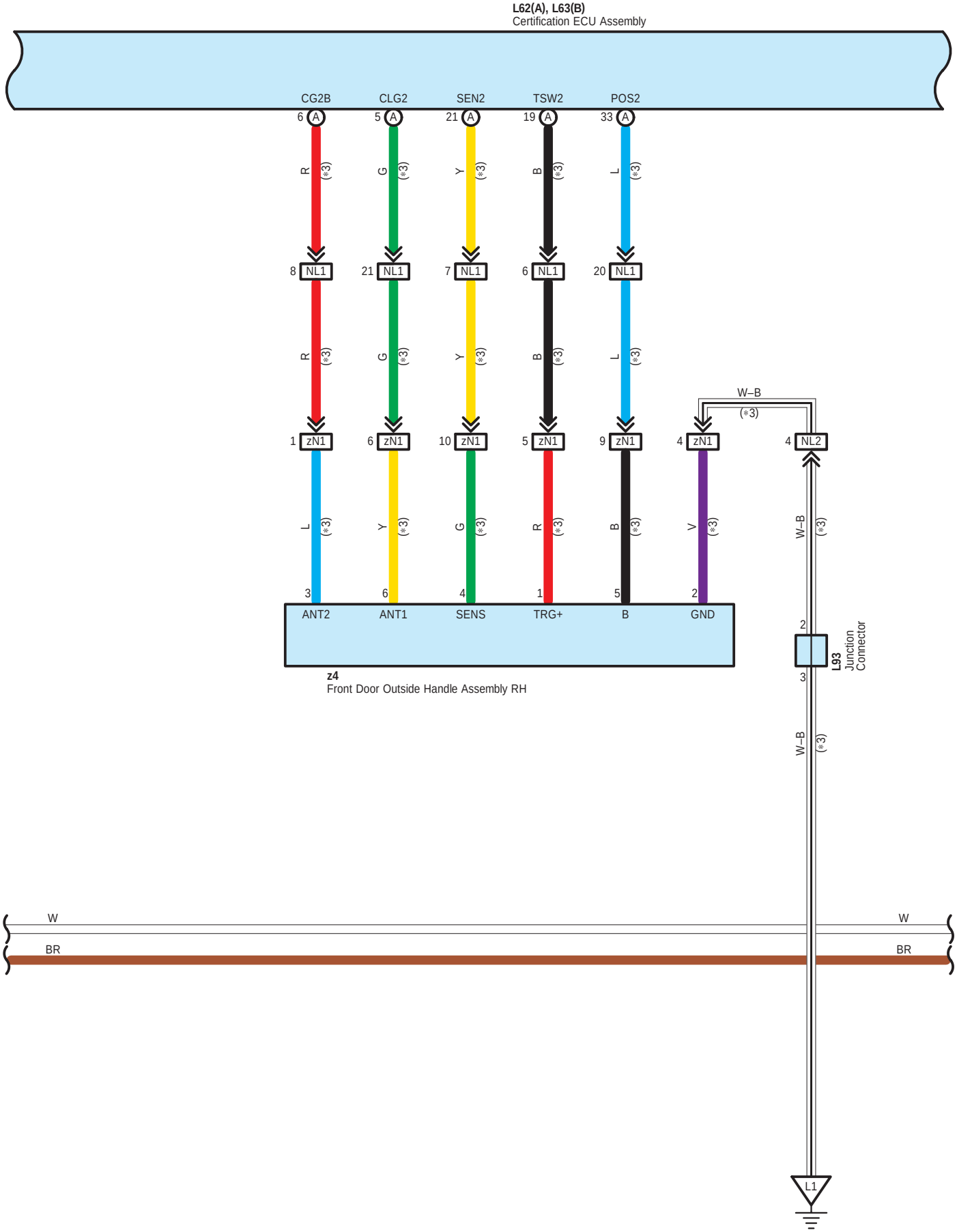


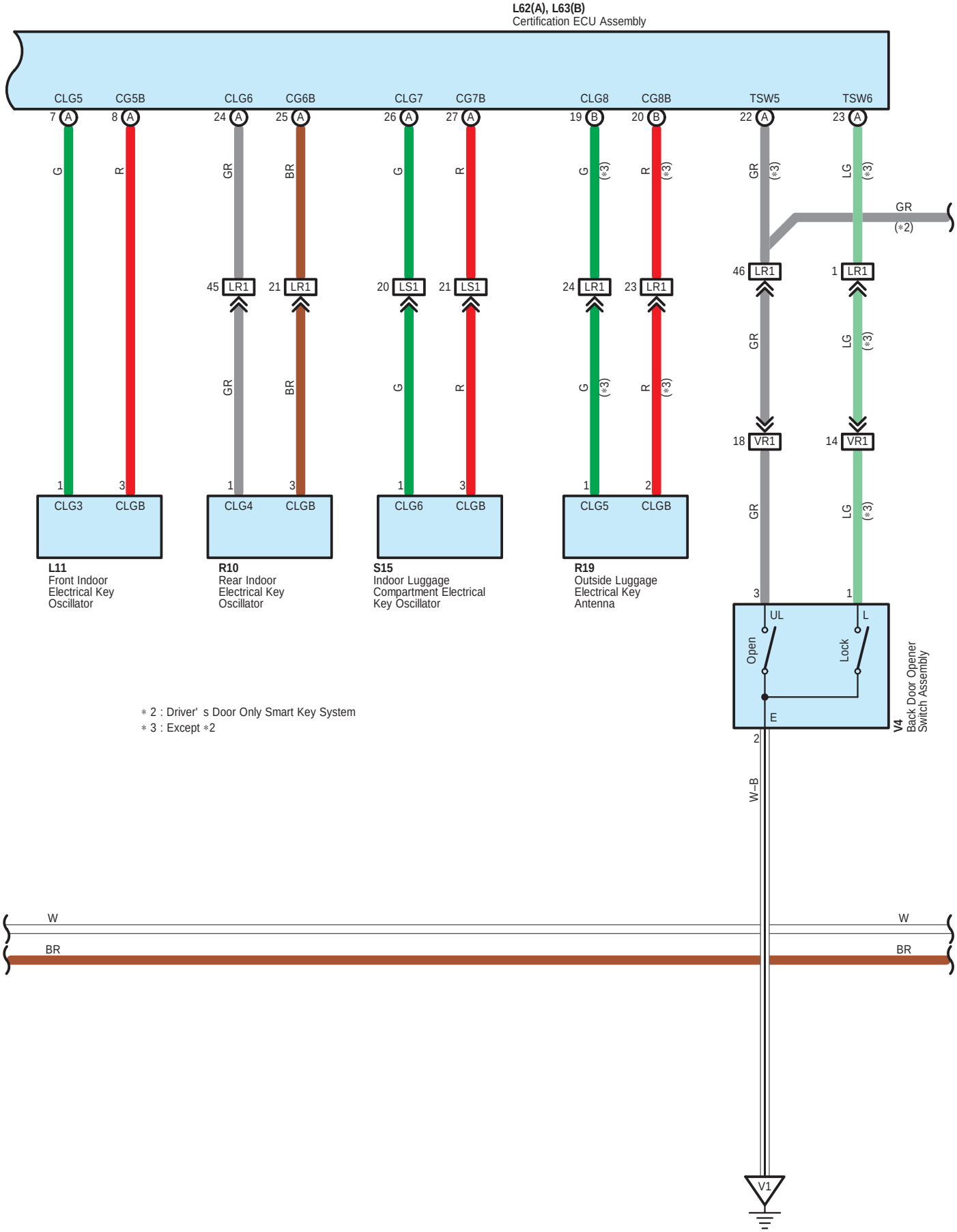
∗ 9 : w/o ID Code Box


L62(A), L63(B)
Certification ECU Assembly
CANL
CANH
EFIO
EFII
VC5
TXCT
CODE
AGND
SWIL
LIN
10 A
9 A
35 A
34 A
28 A
12 A
13 A
36 A
11 A
29 A
P
BE
R (*9)
L (*9)
Y
V
L
P
G
L
P
BE
R(*9)
L(*9)
W
BR
Y
V
L
P
G
L
W
BR

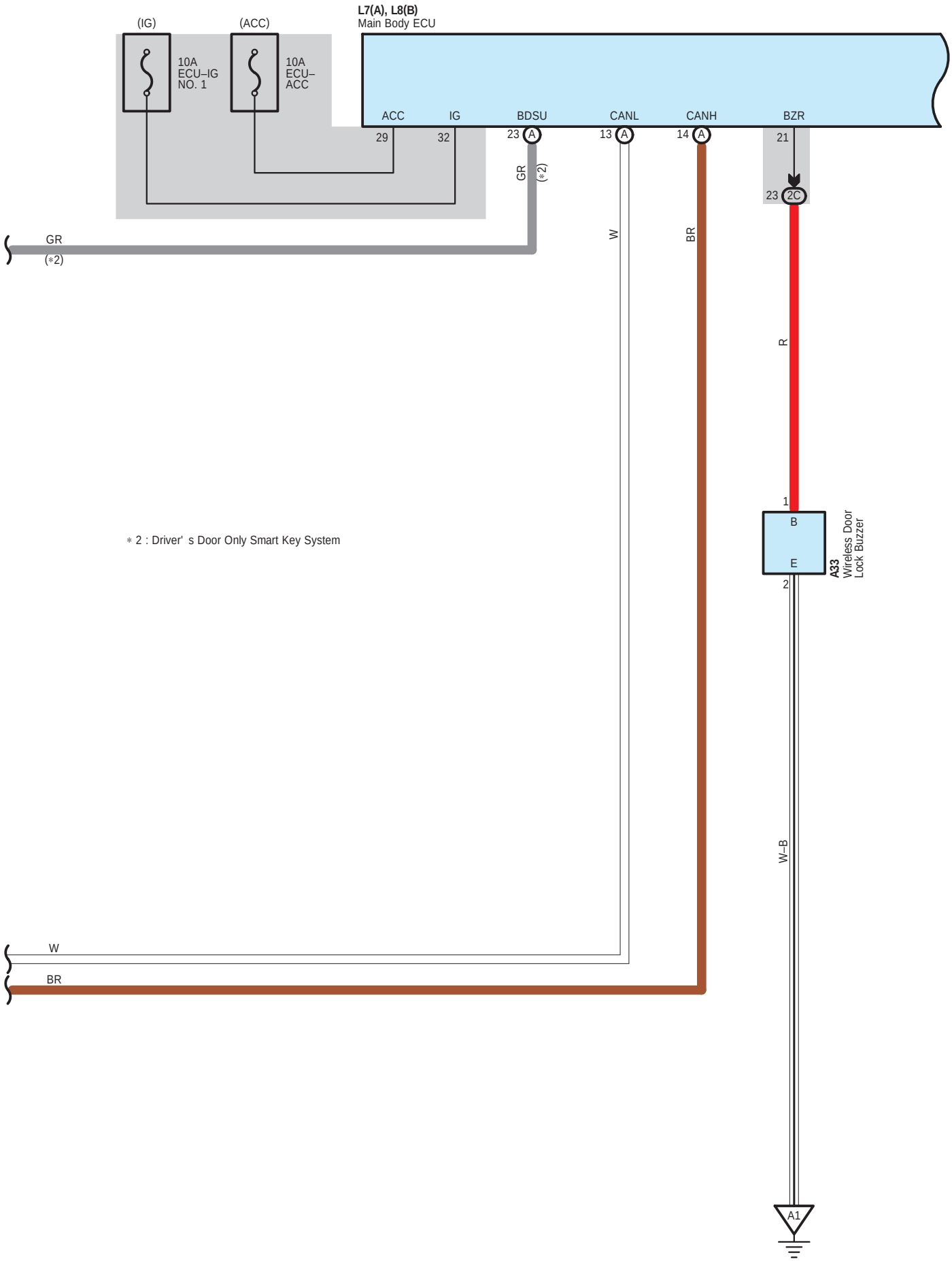

L62(A), L63(B)
Certification ECU Assembly
E
IDW
RCO
RDA
RSSI
15 A
14 A
5 B
15 B
16 B
W–B
W–B
R
Y
V
54 3A
55 3A
64 3A
19 LS1
18 LS1
17 LS1
LG
GR
V
4
5
2
+5
DATA
RSSI
GND
S12
Door Control Receiver
1
W–B
4
3
L93
Junction Connector
W–B
6
10
S20
Junction Connector
W–B
W
BR
W
BR
W–B
L1
S1

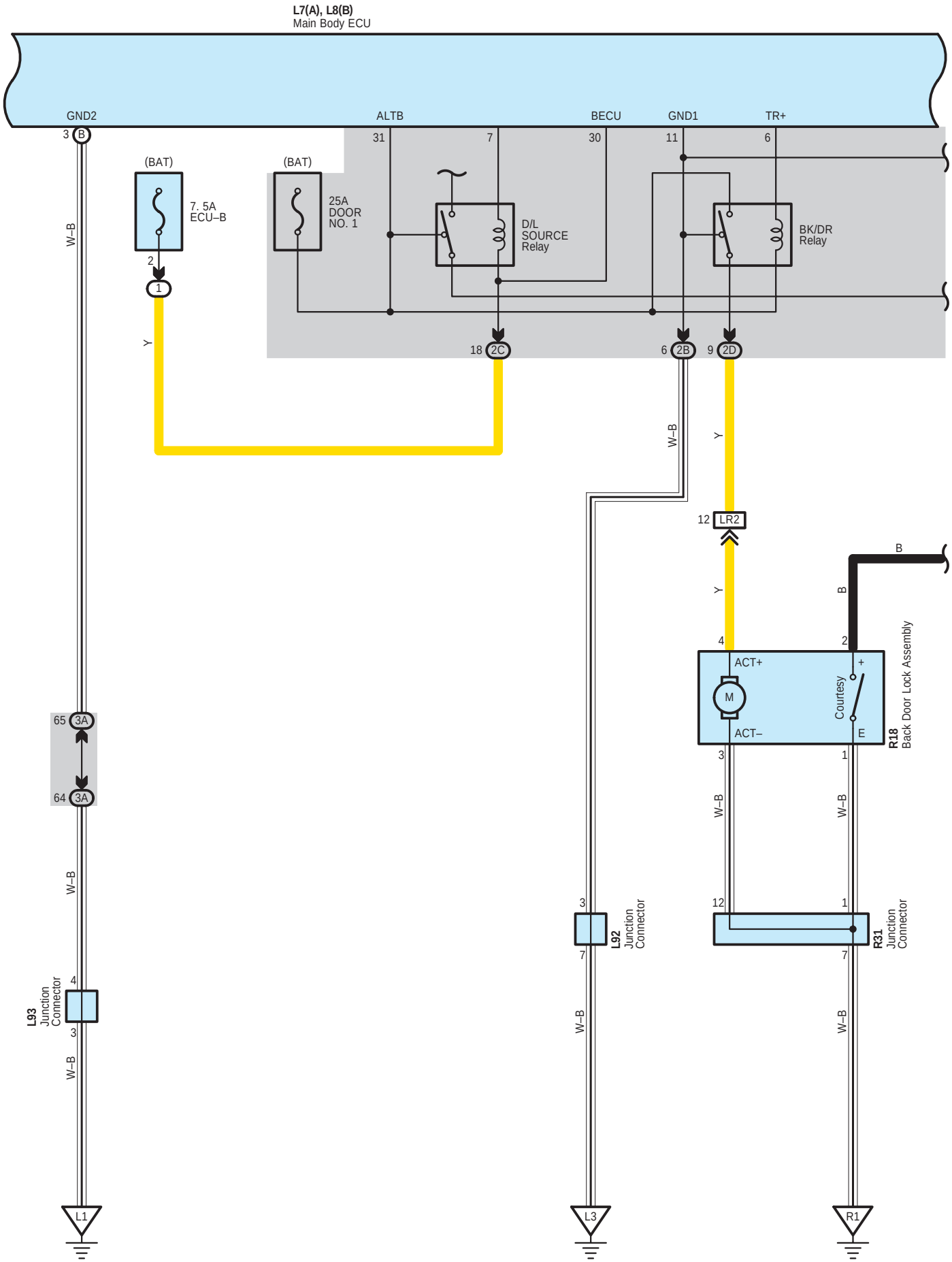

L62(A), L63(B)
Certification ECU Assembly
CG1B
CLG1
SEN1
TSW1
POS1
4 A
3 A
20 A
18 A
32 A
R
G
Y
B
L
8 OL1
21 OL1
7 OL1
6 OL1
20 OL1
1 zO1
6 zO1
10 zO1
5 zO1
9 zO1
4 zO1
4 OL2
W–B
3
6
4
1
5
2
ANT2
ANT1
SENS
TRG+
B
GND
z3
Front Door Outside Handle Assembly LH
1
7
L92
Junction Connector
W
BR
L3

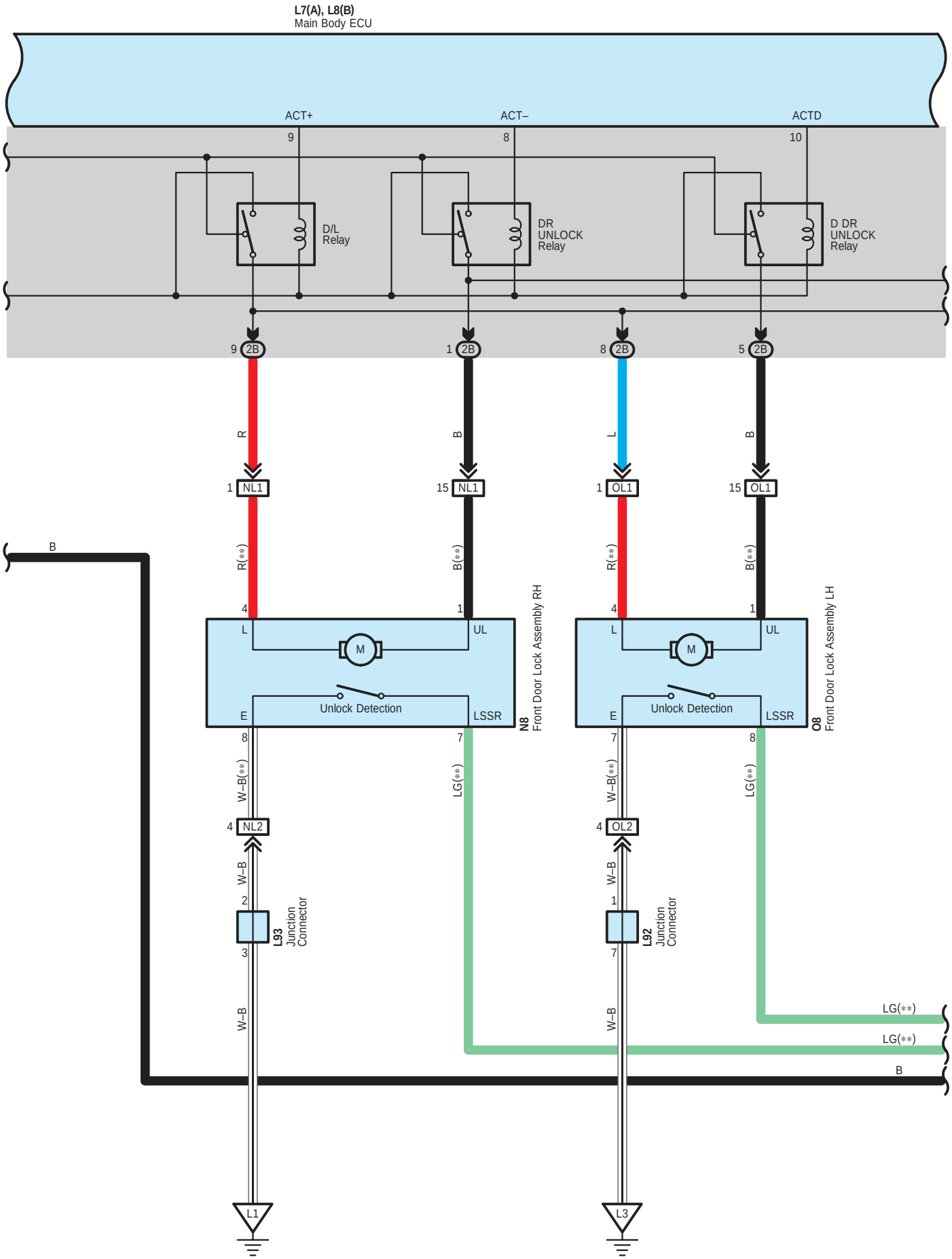

L62(A), L63(B)
Certification ECU Assembly
CG2B
CLG2
SEN2
TSW2
POS2
6 A
5 A
21 A
19 A
33 A
R (*3)
G (*3)
Y (*3)
B (*3)
L (*3)
8 NL1
21 NL1
7 NL1
6 NL1
20 NL1
1 zN1
6 zN1
10 zN1
5 zN1
9 zN1
4 zN1
4 NL2
W–B (*3)
3
6
4
1
5
2
ANT2
ANT1
SENS
TRG+
B
GND
z4
Front Door Outside Handle Assembly RH
2
3
L93
Junction Connector
W
BR
L1

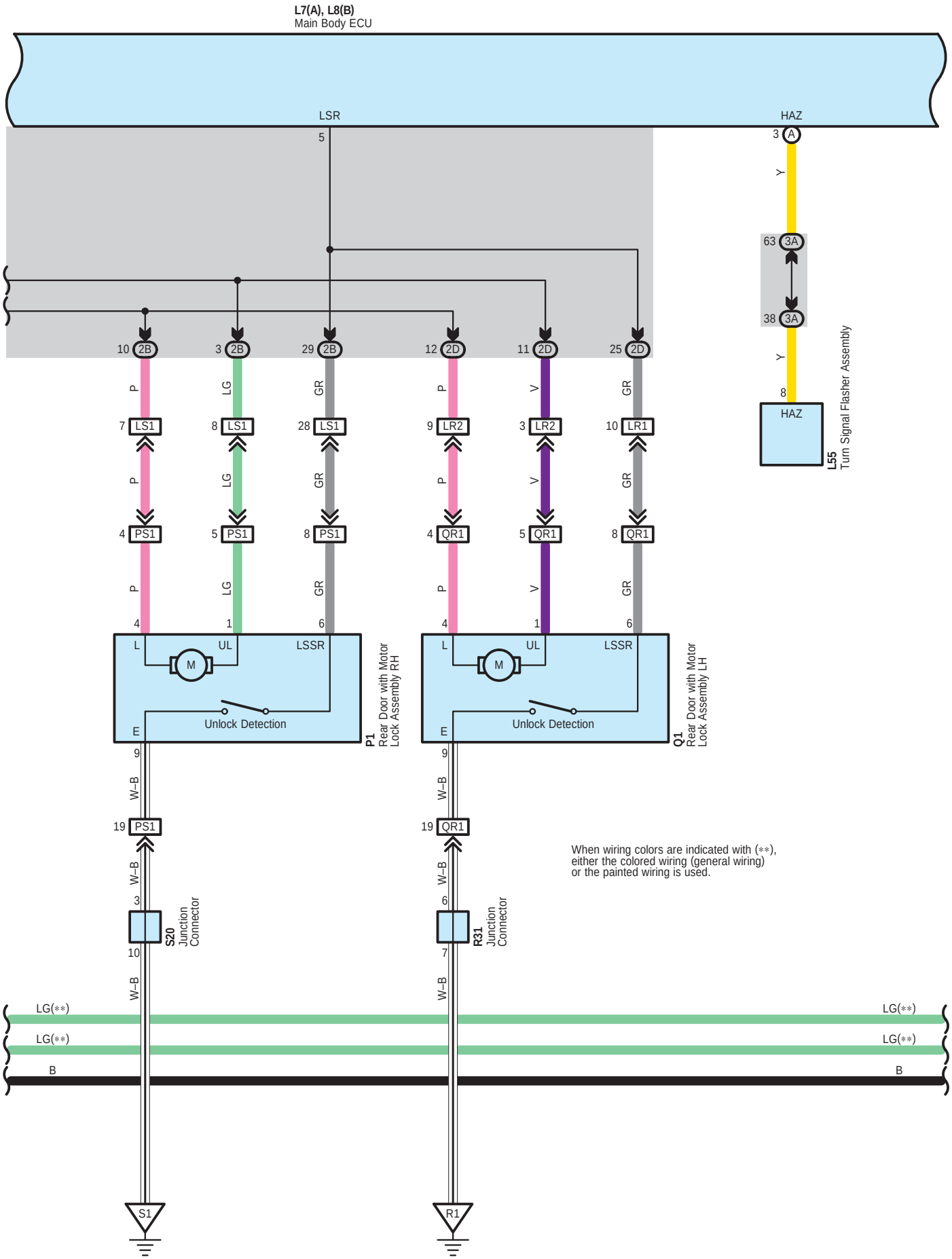


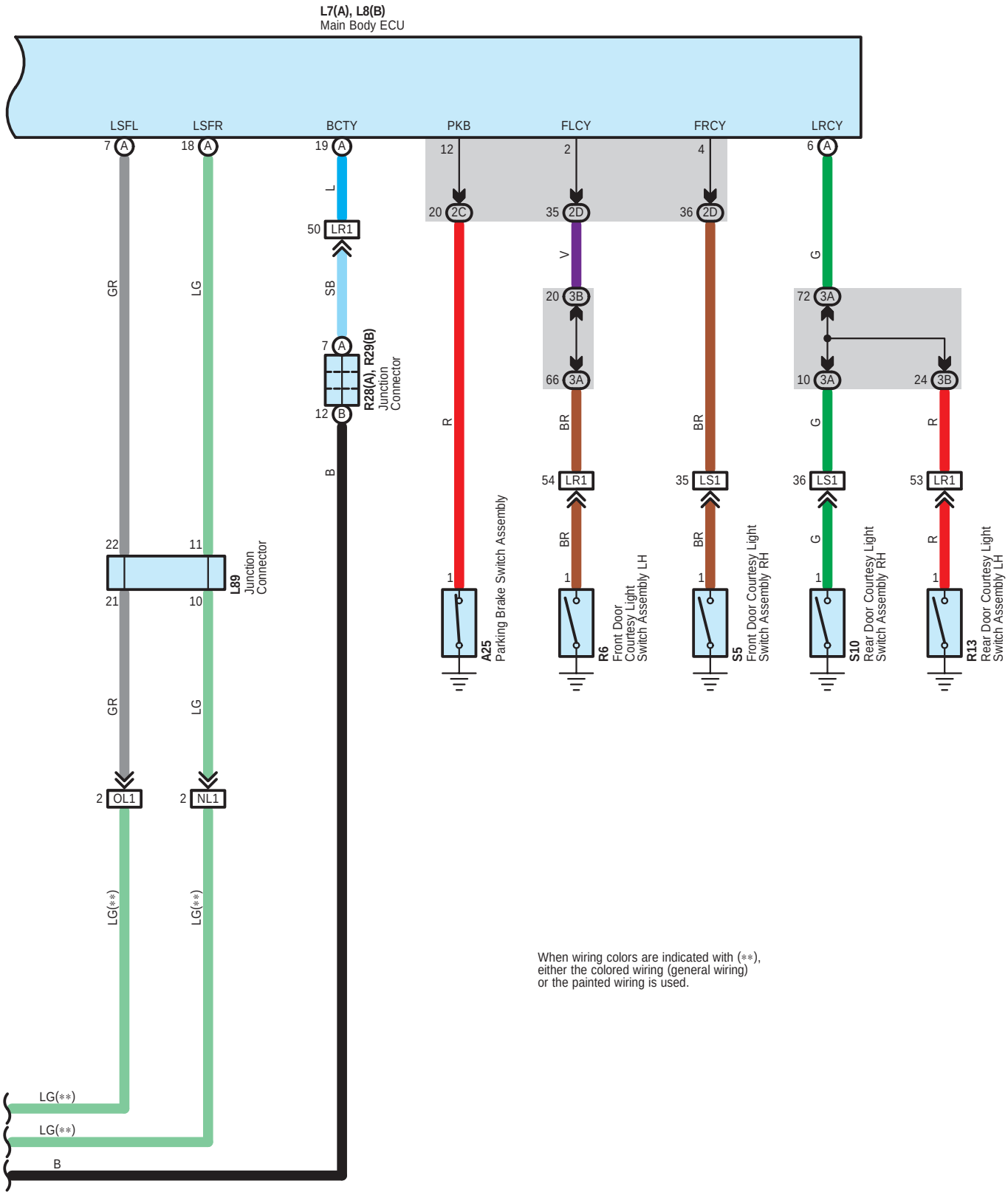
∗ 2 : Driver' s Door Only Smart Key System
∗ 3 : Except ∗2


L7(A), L8(B)
Main Body ECU
(IG)
(ACC)
10A
ECU–IG
NO. 1
10A
ECU–
ACC
ACC
IG
BDSU
CANL
CANH
BZR
29
32
23 A
13 A
14 A
21
23 2C
GR
(*2)
GR
(*2)
W
BR
R
1
B
E
2
A33
Wireless Door
Lock Buzzer
W–B
W
BR
A1
* 2 : Driver' s Door Only Smart Key System

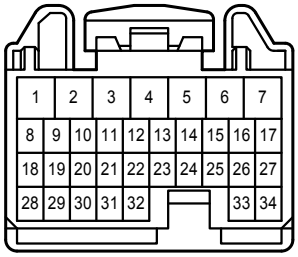

L7(A), L8(B)
Main Body ECU
GND2
ALTB
BECU
GND1
TR+
3 B
31
7
30
11
6
(BAT)
(BAT)
7. 5A
ECU–B
25A
DOOR
NO. 1
D/L
SOURCE
Relay
BK/DR
Relay
2
1
Y
18 2C
6 2B
9 2D
W–B
Y
12 LR2
B
B
4
2
ACT+
ACT–
M
Courtesy
+
E
R18
Back Door Lock Assembly
65 3A
64 3A
3
1
W–B
W–B
W–B
4
3
L93
Junction
Connector
3
7
L92
Junction
Connector
12
1
7
R31
Junction
Connector
W–B
W–B
W–B
L1
L3
R1


L7(A), L8(B)
Main Body ECU
ACT+
ACT–
ACTD
9
8
10
D/L Relay
DR UNLOCK Relay
D DR UNLOCK Relay
9 2B
1 2B
8 2B
5 2B
R
B
L
B
1 NL1
15 NL1
1 OL1
15 OL1
R(**)
B(**)
R(**)
B(**)
4
1
4
1
L
UL
M
Unlock Detection
E
LSSR
N8 Front Door Lock Assembly RH
O8 Front Door Lock Assembly LH
B
8
7
7
8
W–B(**)
LG(**)
W–B(**)
LG(**)
4 NL2
4 OL2
W–B
W–B
2
1
L93 Junction Connector
L92 Junction Connector
3
7
W–B
W–B
LG(**)
LG(**)
B
L1
L3

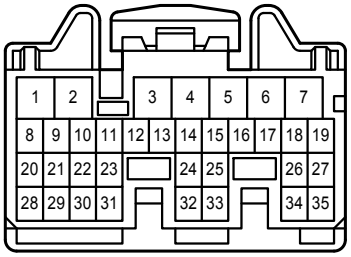

L7(A), L8(B)
Main Body ECU
LSR
5
HAZ
3 A
Y
63 3A
38 3A
Y
8
HAZ
L55
Turn Signal Flasher Assembly
10 2B
3 2B
29 2B
12 2D
11 2D
25 2D
P
LG
GR
P
V
GR
7 LS1
8 LS1
28 LS1
9 LR2
3 LR2
10 LR1
P
LG
GR
P
V
GR
4 PS1
5 PS1
8 PS1
4 QR1
5 QR1
8 QR1
P
LG
GR
P
V
GR
4
1
6
4
1
6
L
UL
LSSR
M
Unlock Detection
E
P1
Rear Door with Motor Lock Assembly RH
L
UL
LSSR
M
Unlock Detection
E
Q1
Rear Door with Motor Lock Assembly LH
9
W–B
19 PS1
W–B
3
S20
Junction Connector
10
W–B
9
W–B
19 QR1
W–B
6
R31
Junction Connector
7
W–B
When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.
LG(**)
LG(**)
B
LG(**)
LG(**)
B
S1
R1


L7(A), L8(B)
Main Body ECU
LSFL
LSFR
BCTY
PKB
FLCY
FRCY
LRCY
7 A
18 A
19 A
12
2
4
6 A
GR
LG
L
SB
B
R
V
BR
G
50 LR1
20 2C
35 2D
36 2D
20 3B
66 3A
72 3A
10 3A
24 3B
54 LR1
35 LS1
36 LS1
53 LR1
7 A
12 B
R28(A), R29(B)
Junction Connector
22
11
21
10
L89
Junction Connector
2 OL1
2 NL1
LG(**)
1
A25
Parking Brake Switch Assembly
R6
Front Door Courtesy Light Switch Assembly LH
S5
Front Door Courtesy Light Switch Assembly RH
S10
Rear Door Courtesy Light Switch Assembly RH
R13
Rear Door Courtesy Light Switch Assembly LH
When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

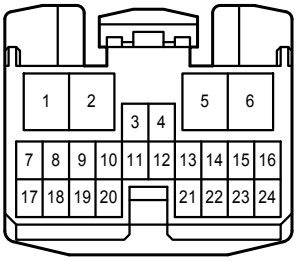
A 21
Gray



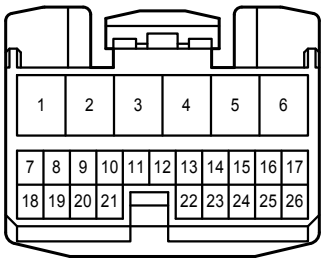
A 22
Gray



A 23
White

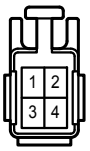


A 24
White

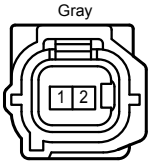


A 25
White

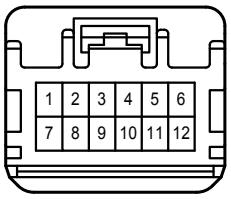
A 26
White



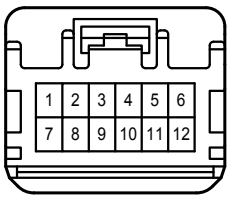
A 33
Gray



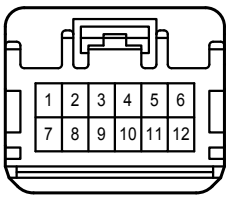
A 50
White



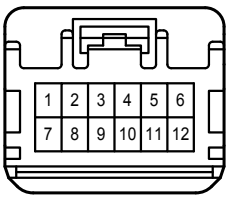
A 51
White



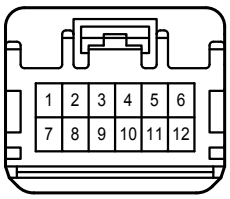
A 52
Black



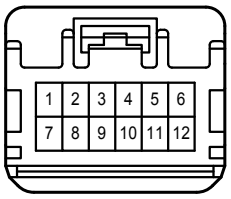
A 53
Black



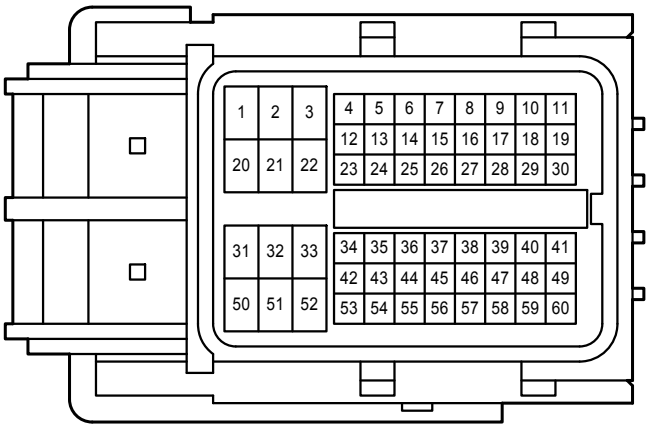
A 55
Black



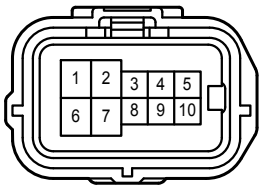
A 56
White



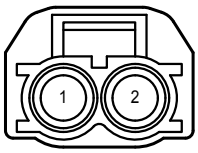
A 57
Black



D 2
Black



D 27
Black



D 28
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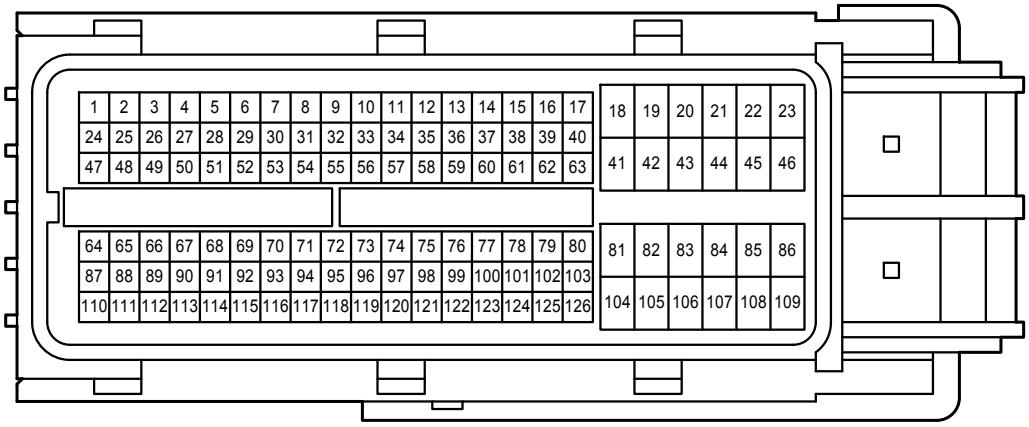
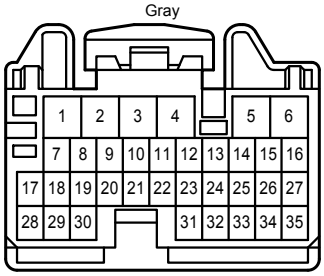
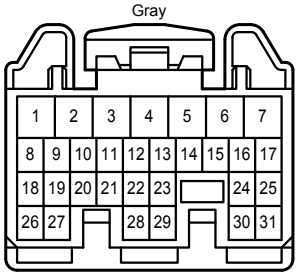


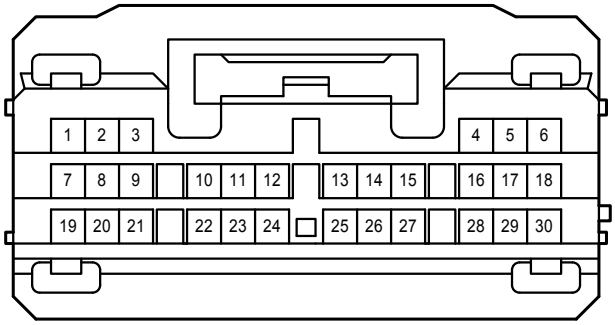
L 5
Gray



L 6
Gray



L 7
White



L 8
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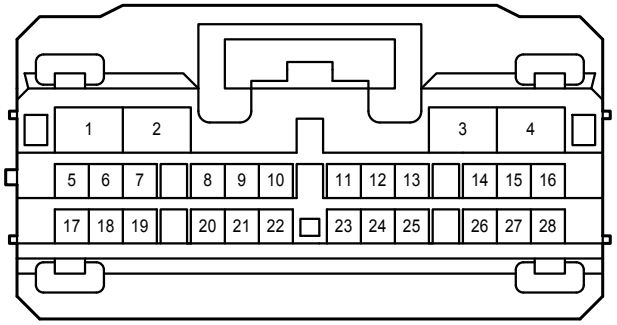
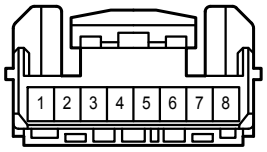
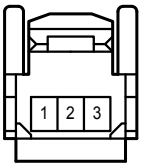


L 10
White



L 11
White



L 27
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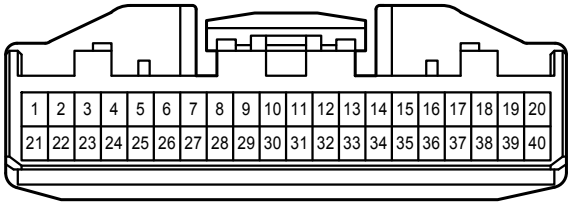
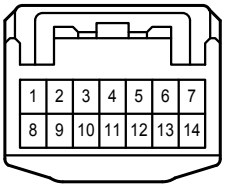
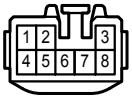


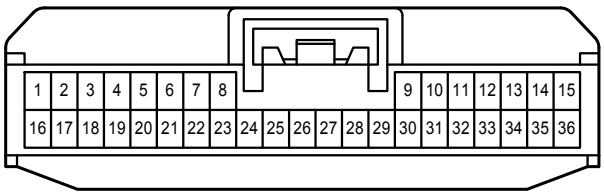
L 43
Black



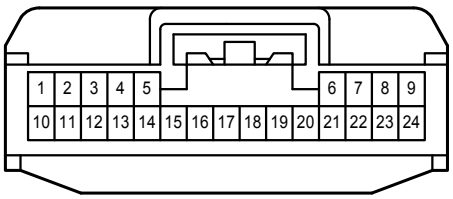
L 55
Blue



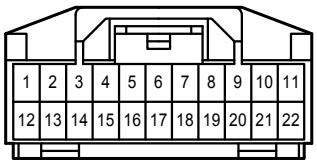
L 62
White



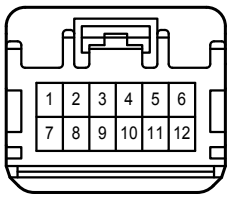
L 63
White



L 89
Black



L 92
White



L 93
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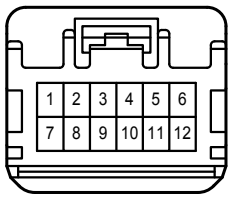
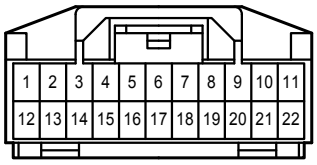
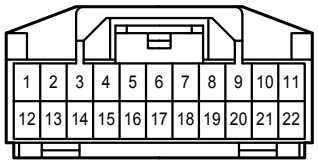


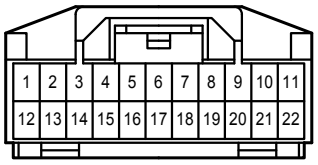
L 94
White



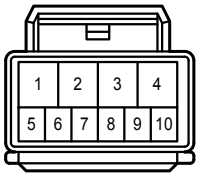
L 95
White



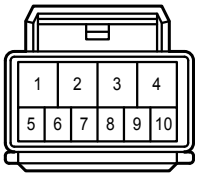
L101
Black



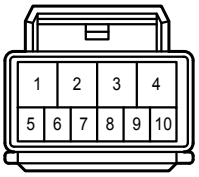
N 8
White



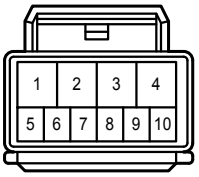
O 8
White



P 1
White



Q 1
White



R 6
Black

R 10
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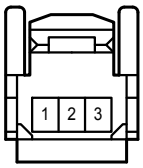
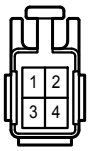


R 13
Black

R 18
White



R 19
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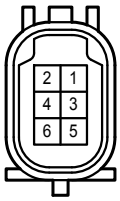

R 28
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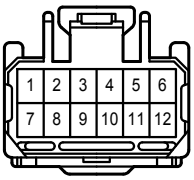

R 29
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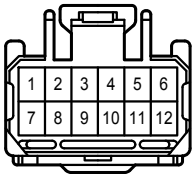

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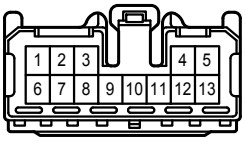
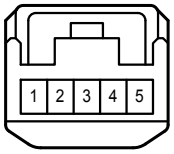


S 5
Black

S 10
Black

S 12
Blue



S 15
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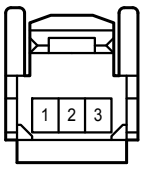

S 20
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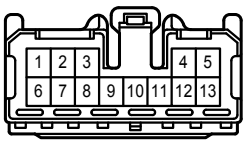

V 4
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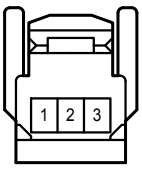

b 1
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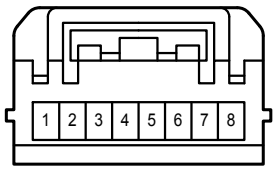

z 3
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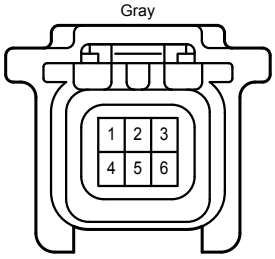

z 4
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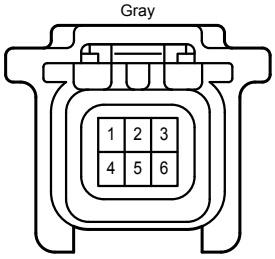

z 5
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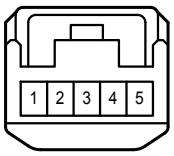

z 6
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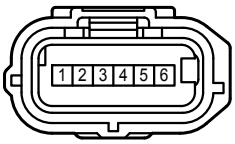

1G
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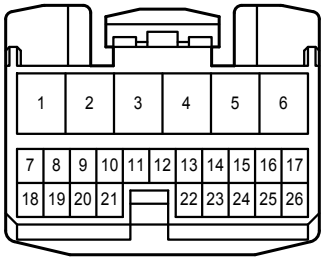

1H
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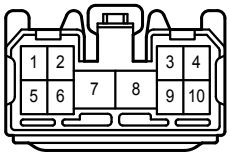

2A
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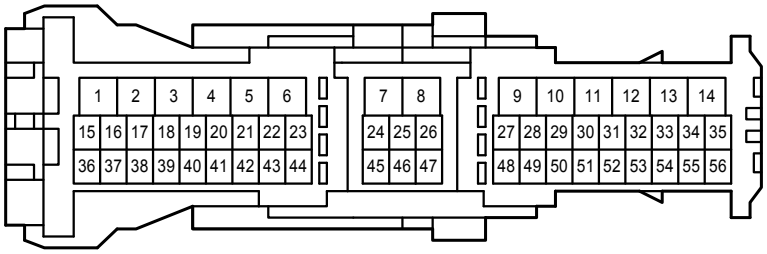

2B
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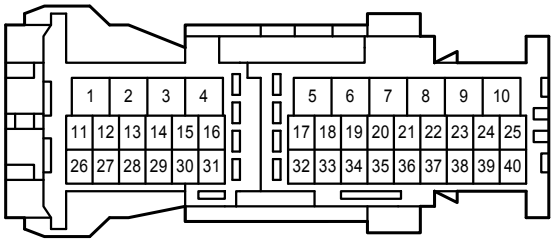

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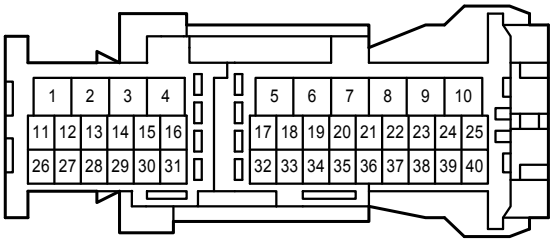

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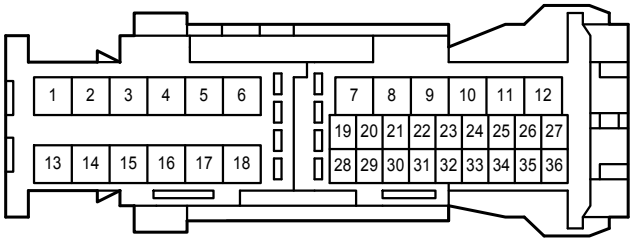

3A
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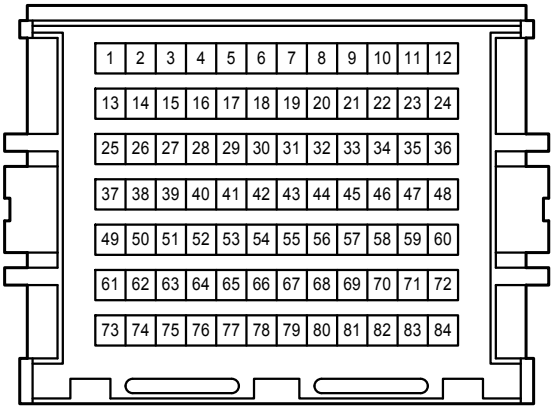

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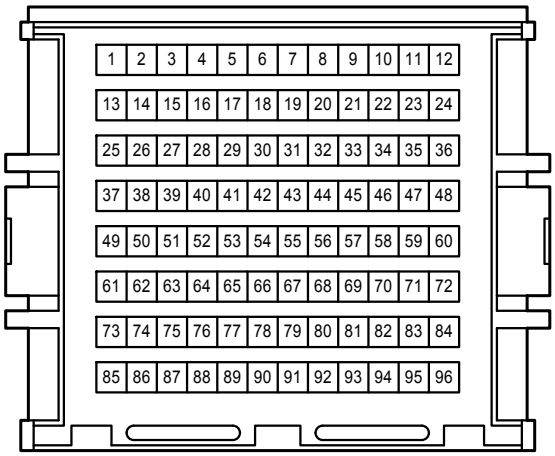
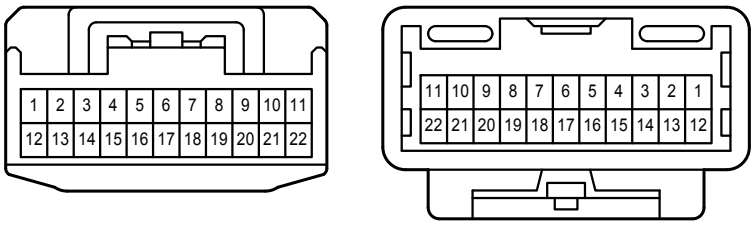
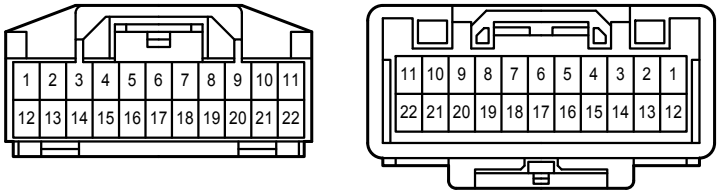


AL1
Blue



AL2
Gray



AL3
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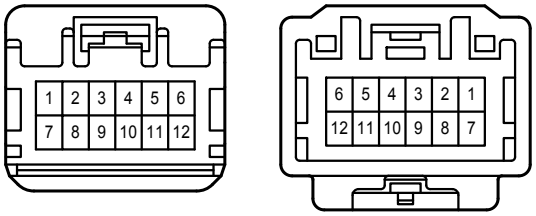
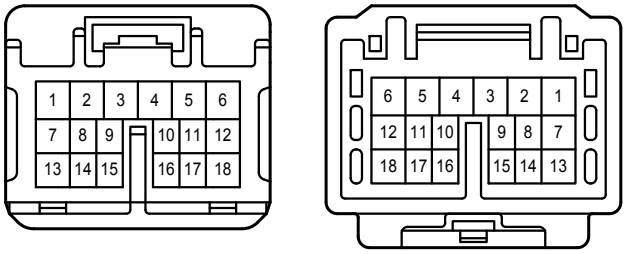


AL8
White



DA1
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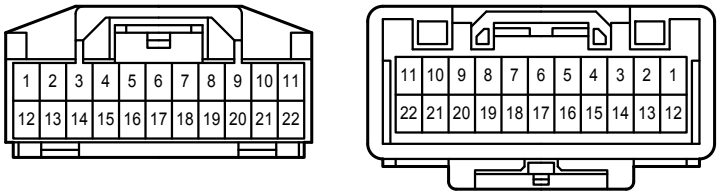

DA2
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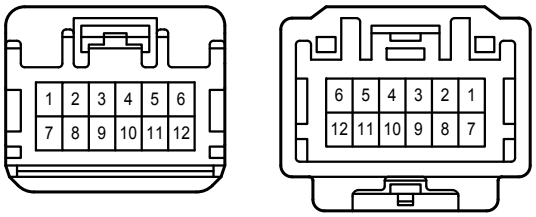

LR1
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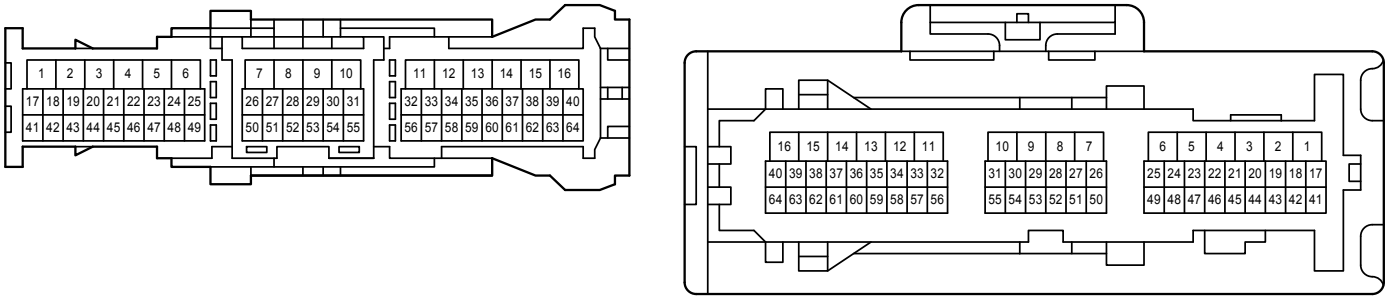

LR2
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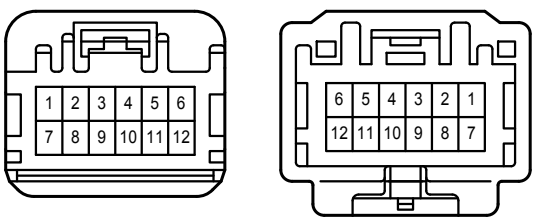

LS1
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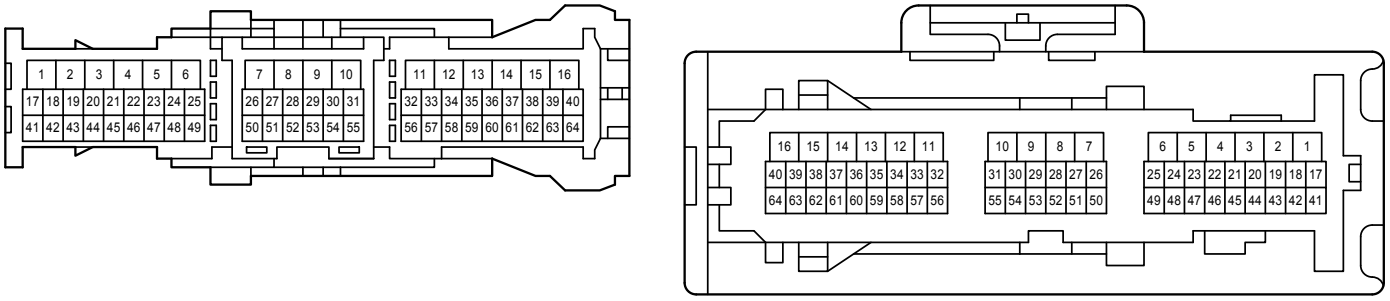

Lb1
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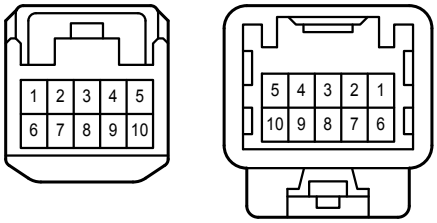

Lz1
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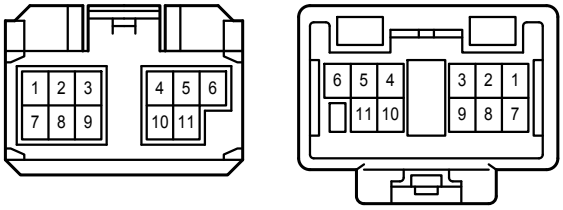

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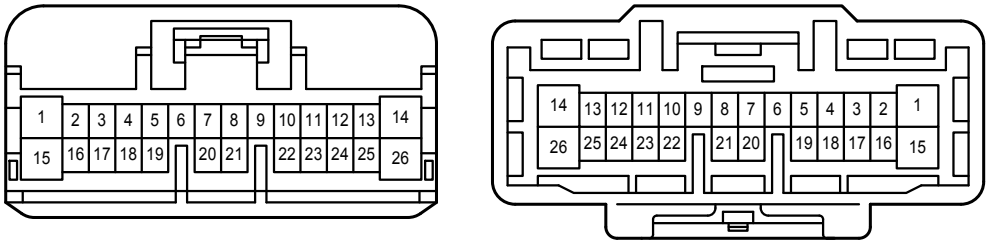

NL2
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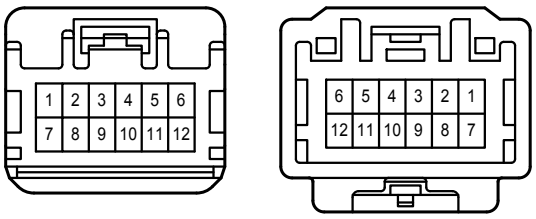

OL1
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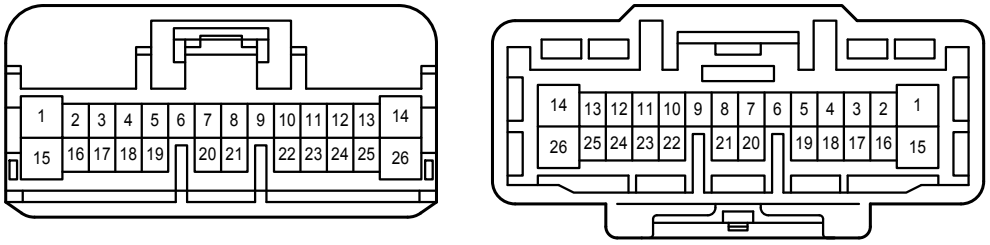

OL2
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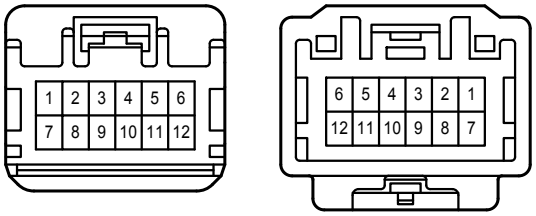

PS1
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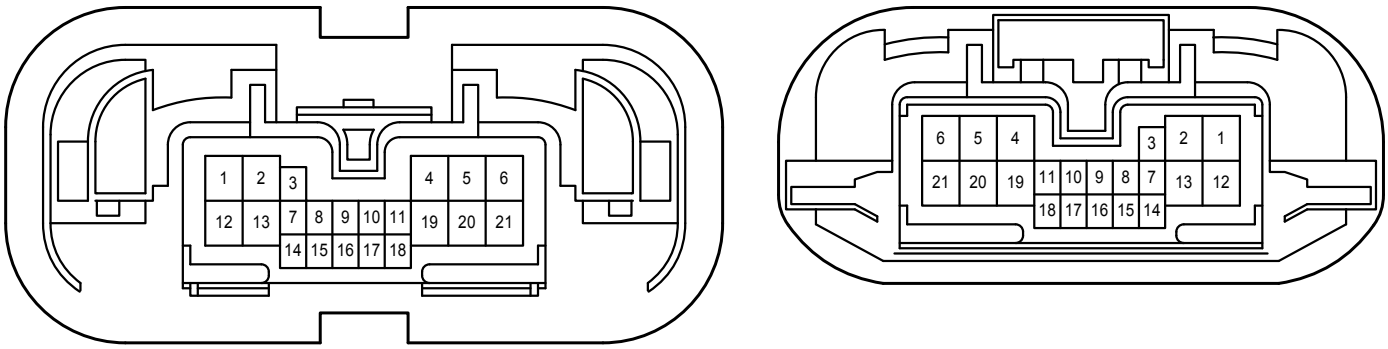

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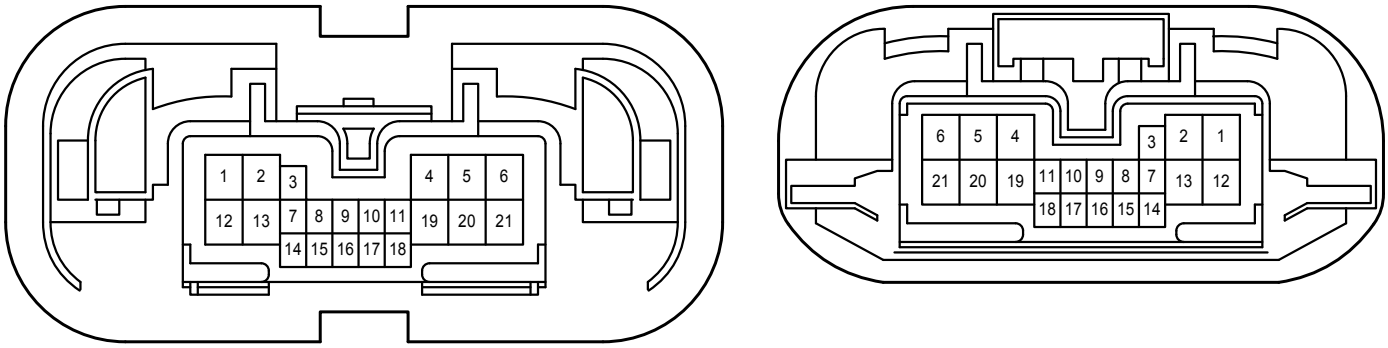

VR1
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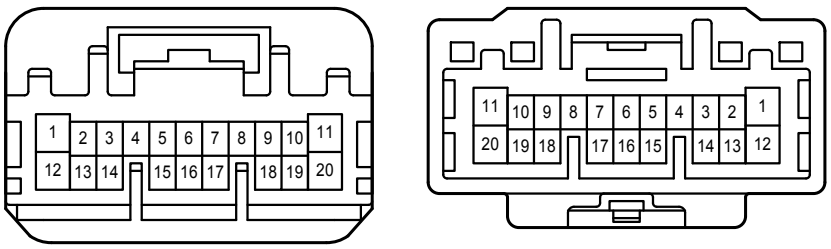
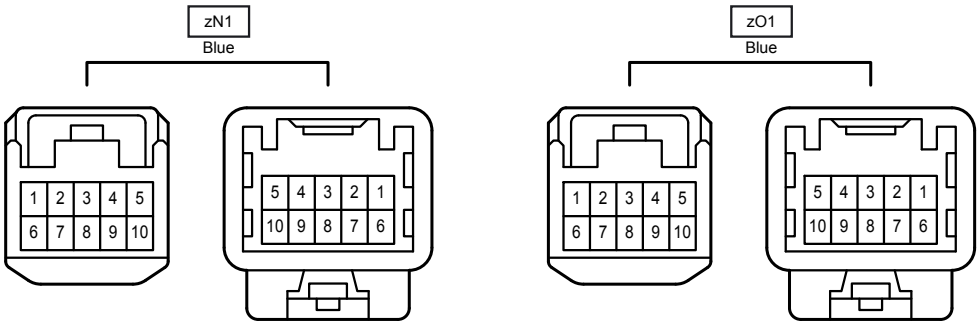
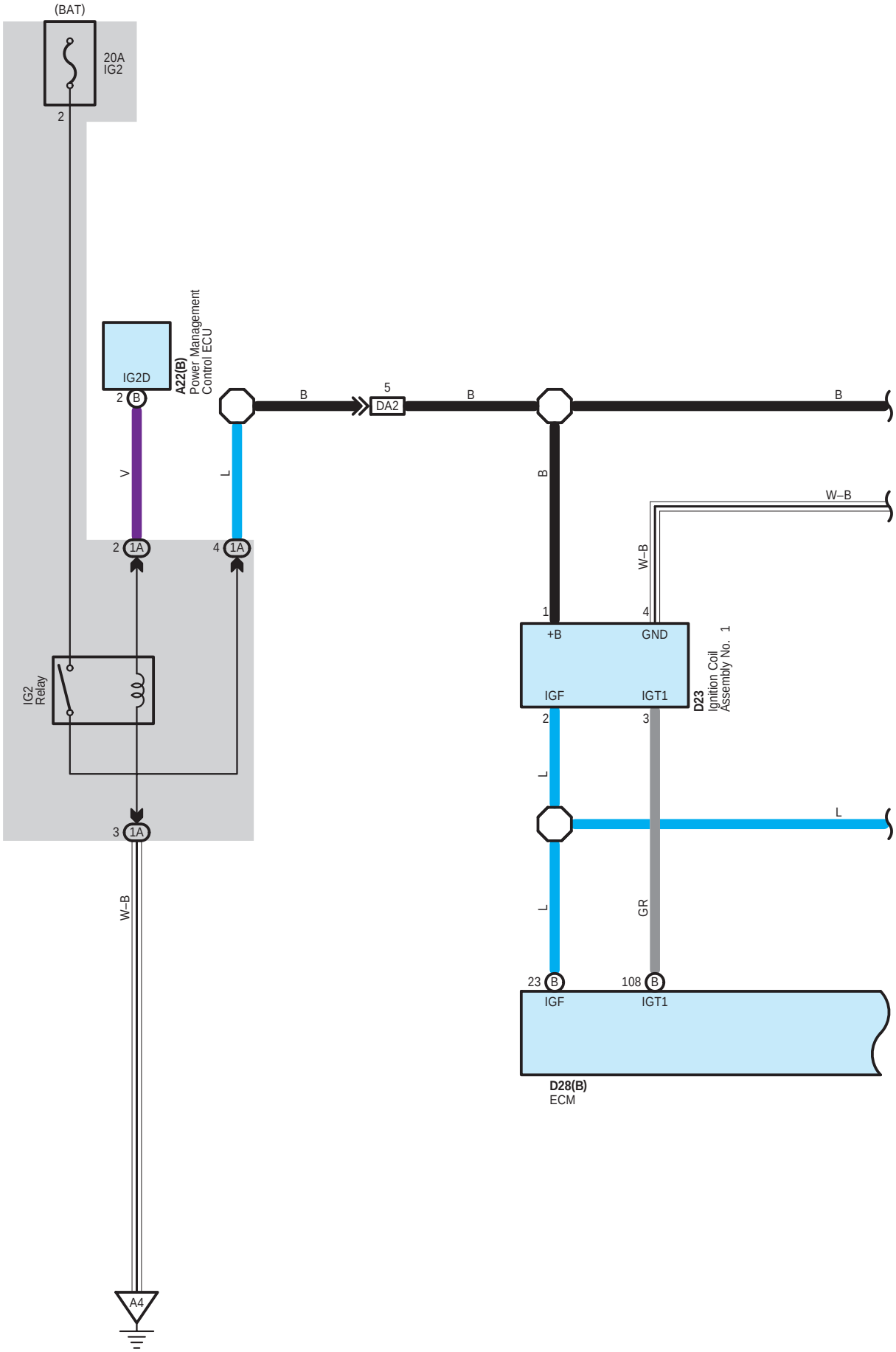
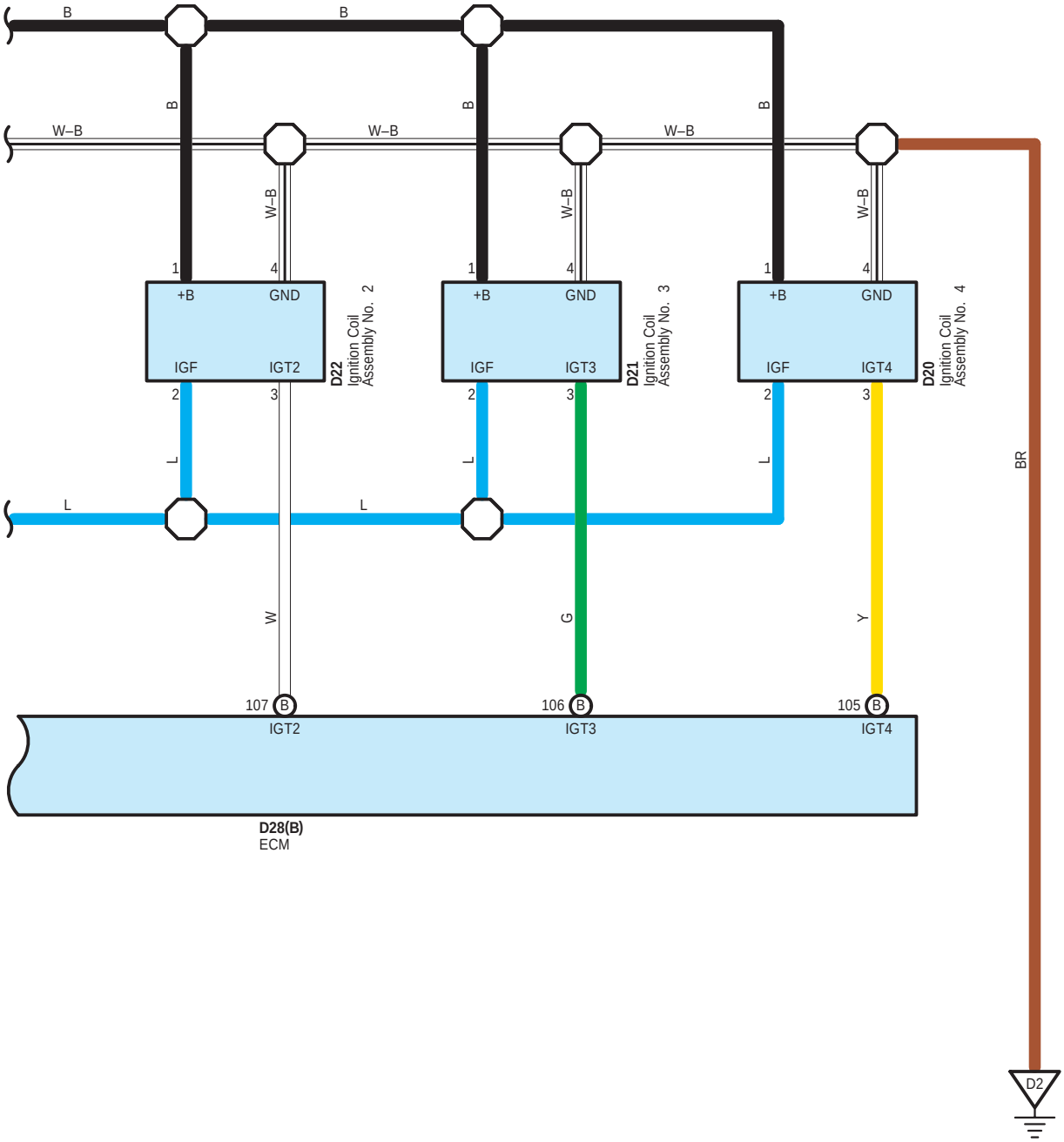
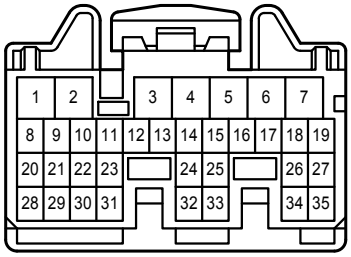



zN1
Blue
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6
zO1
Blue
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6


(BAT)
20A
IG2
2
IG2D
2 B
A22(B)
Power Management
Control ECU
B
5
DA2
B
B
V
L
B
W–B
2 1A
4 1A
W–B
1
4
+B
GND
IGF
IGT1
D23
Ignition Coil
Assembly No. 1
IG2
Relay
2
3
L
L
3 1A
L
GR
W–B
23 B
108 B
IGF
IGT1
A4
D28(B)
ECM


B
B
B
B
B
W–B
W–B
W–B
W–B
W–B
W–B
1
4
+B
GND
IGF
IGT2
2
3
D22
Ignition Coil
Assembly No. 2
1
4
+B
GND
IGF
IGT3
2
3
D21
Ignition Coil
Assembly No. 3
1
4
+B
GND
IGF
IGT4
2
3
D20
Ignition Coil
Assembly No. 4
L
L
L
L
L
L
W
G
Y
BR
107 B
IGT2
106 B
IGT3
105 B
IGT4
D28(B)
ECM
D2

A 22
Gray



D 20
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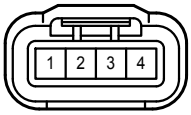
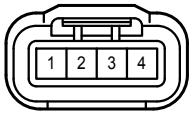
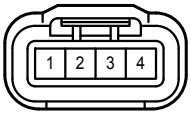


D 21
Black



D 22
Gray



D 23
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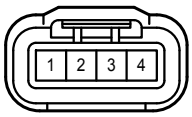

D 28
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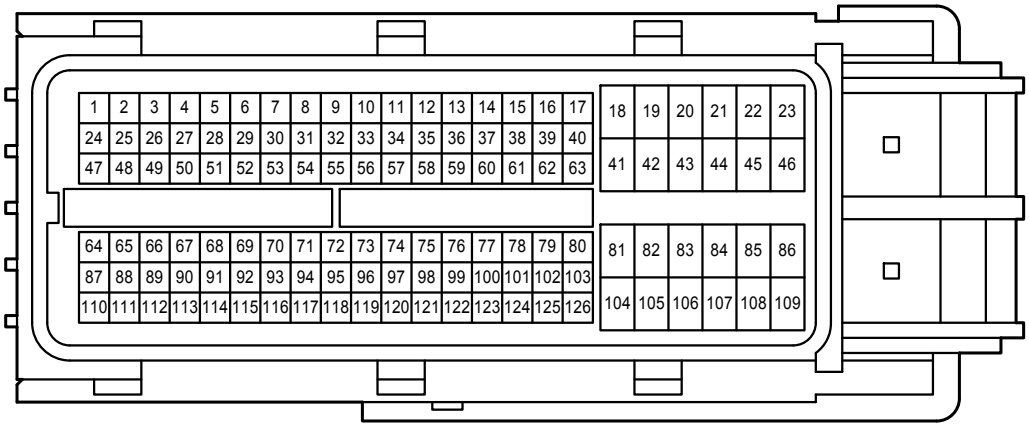

1A
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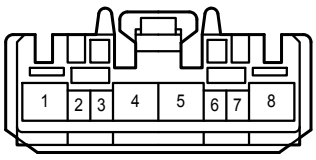
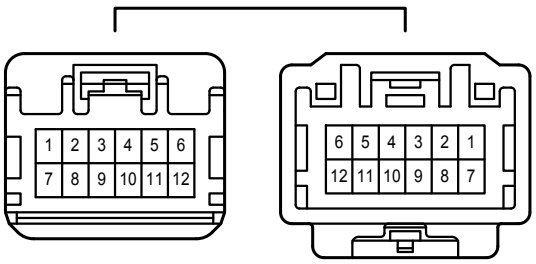
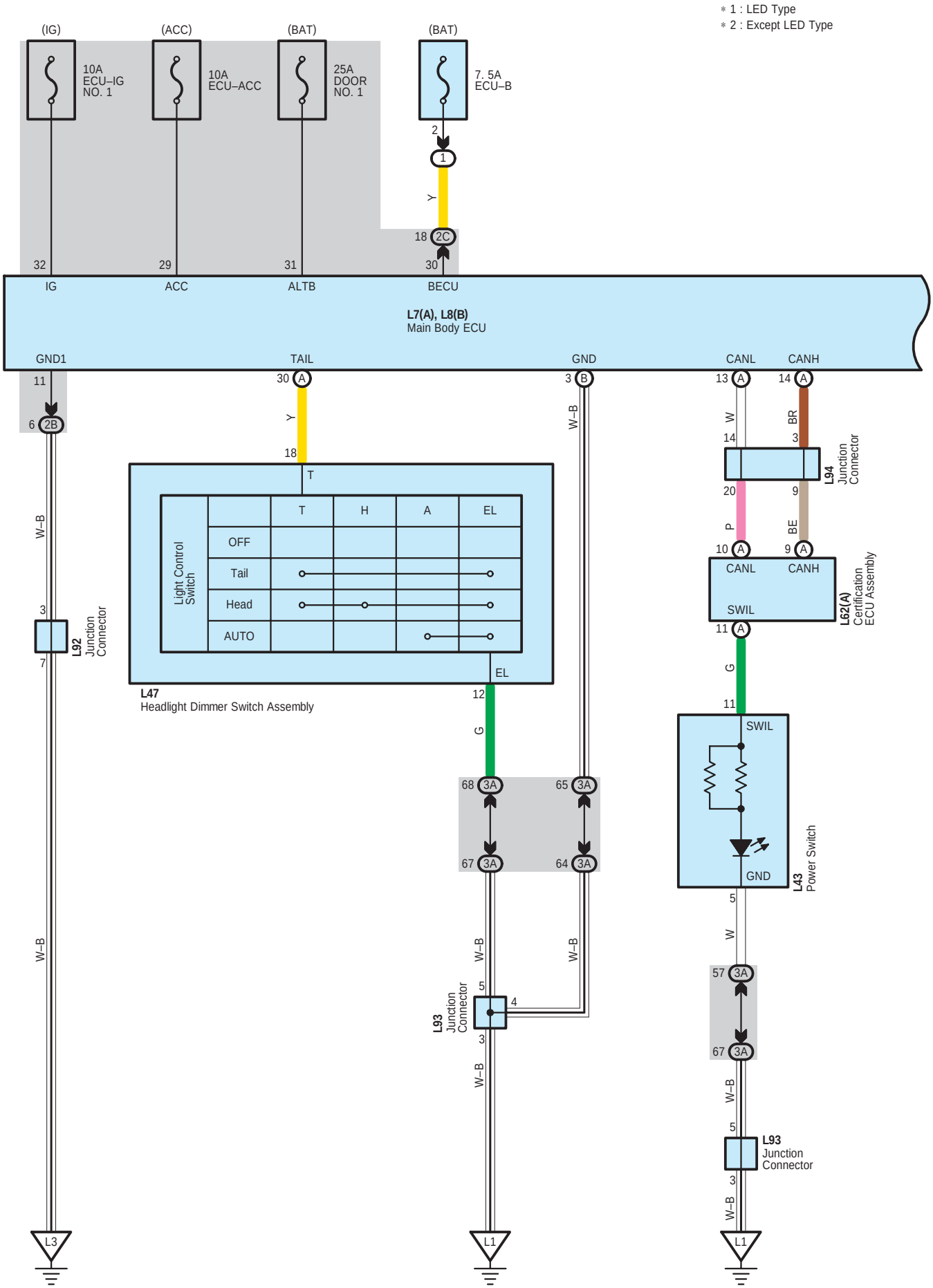
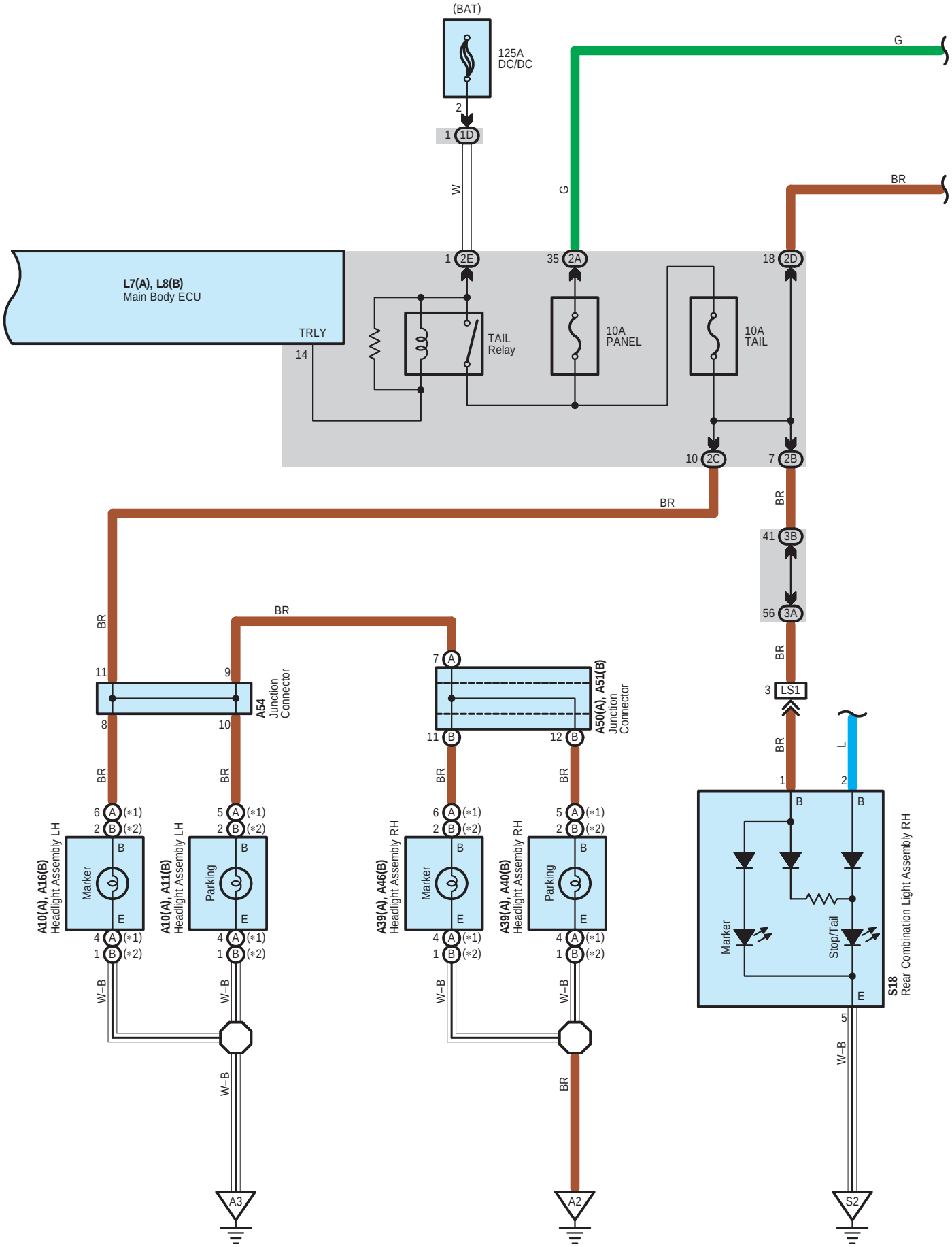
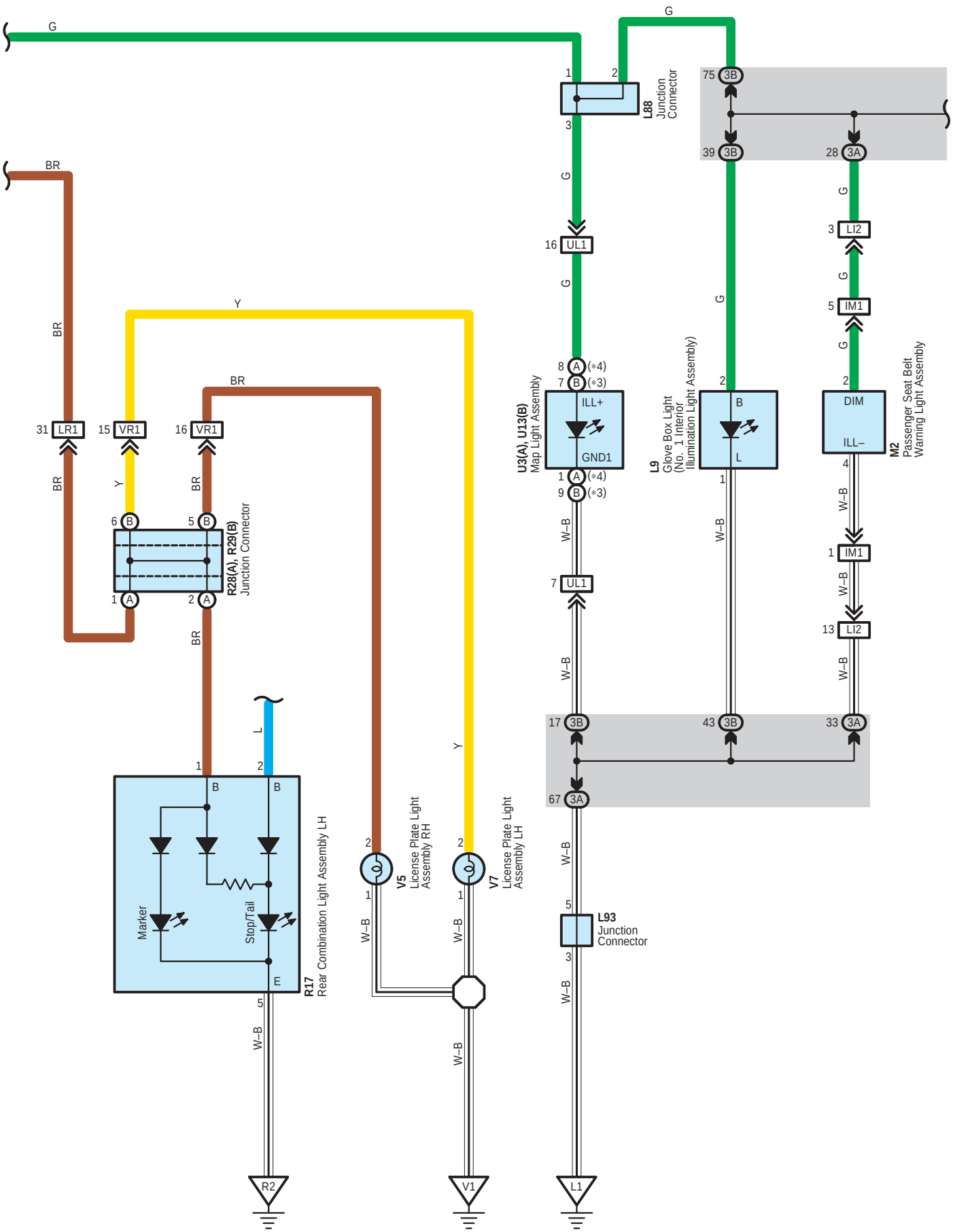


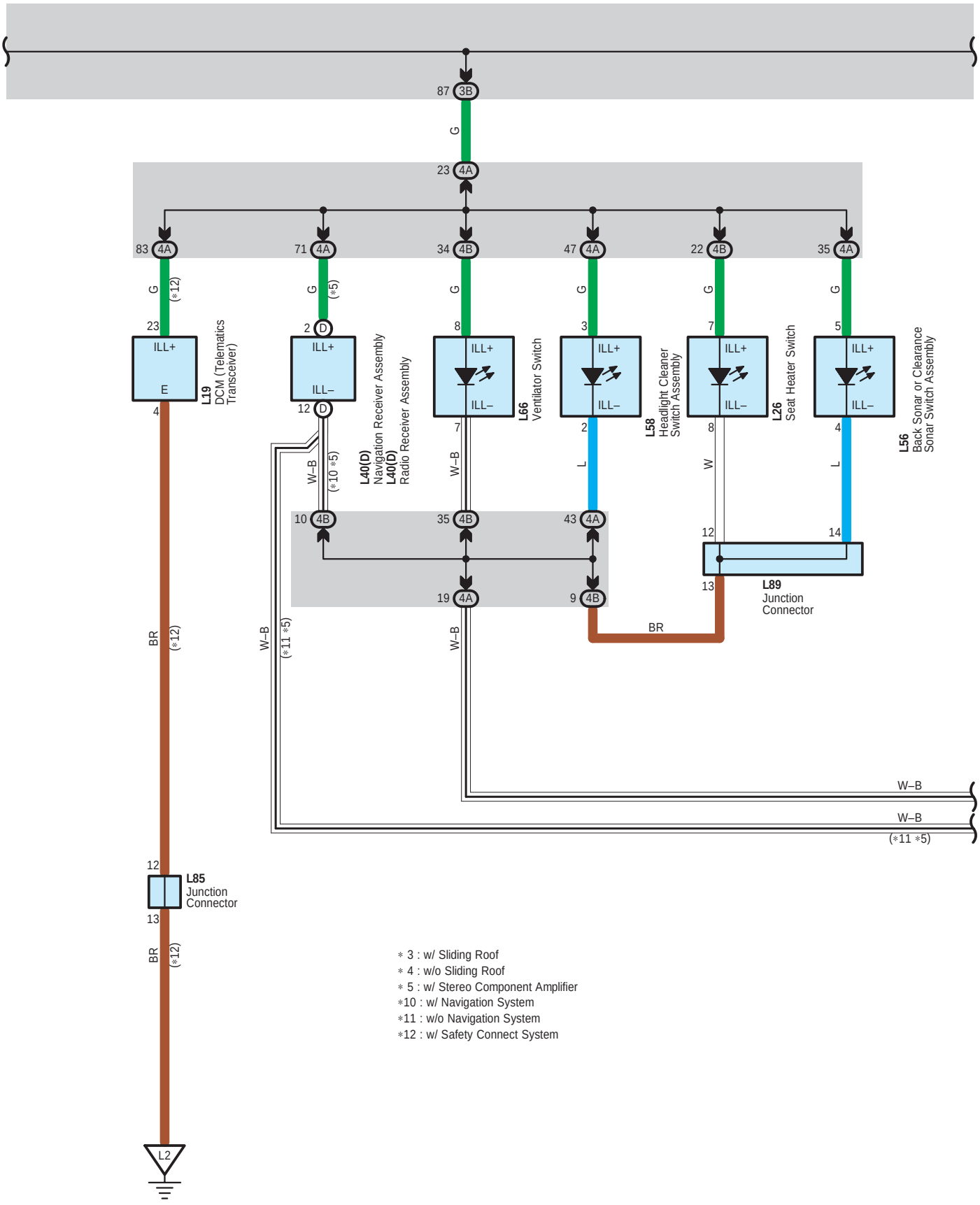
DA2
White



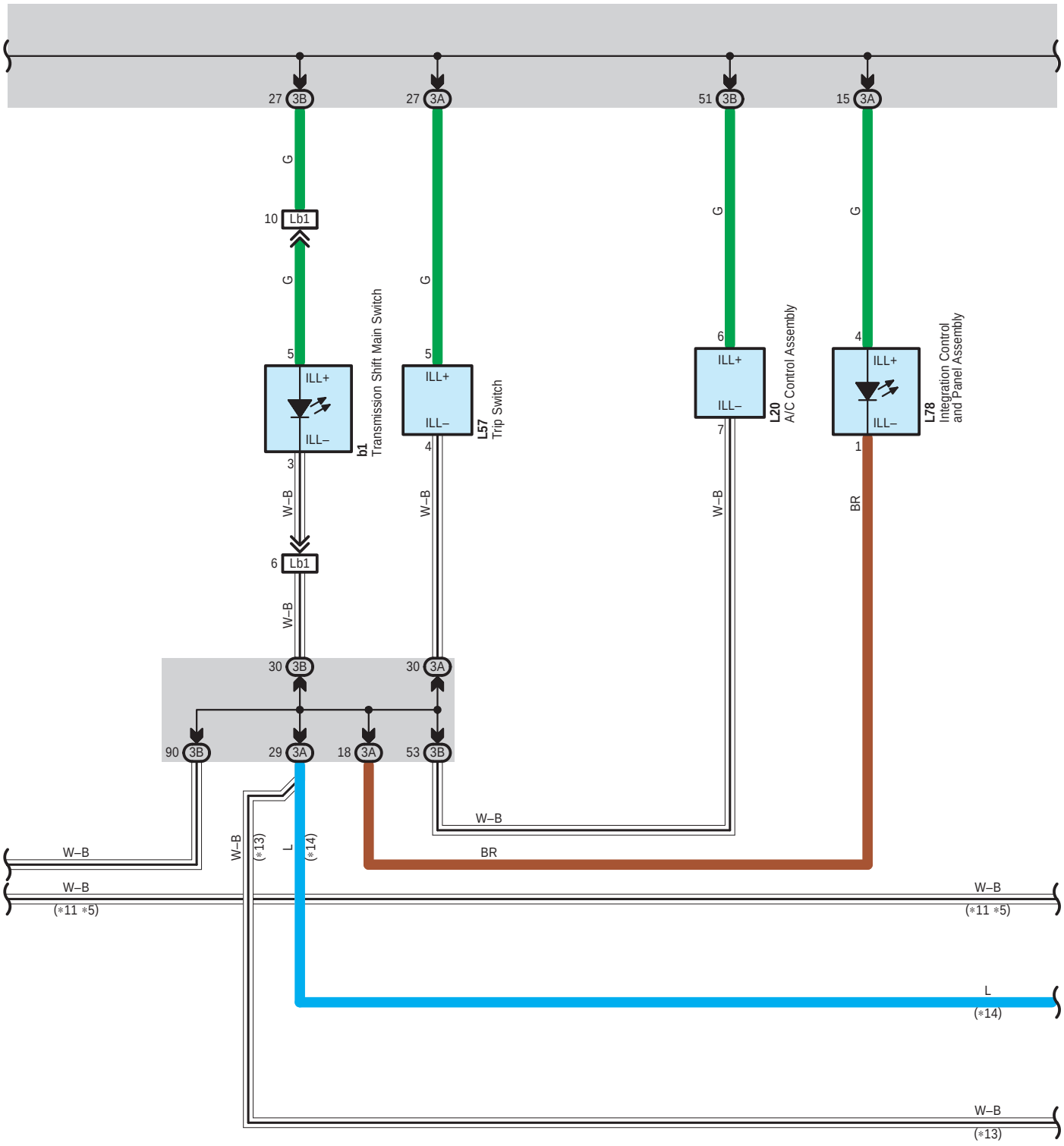

* 1 : LED Type
* 2 : Except LED Type
(IG)
(ACC)
(BAT)
(BAT)
10A ECU–IG NO. 1
10A ECU–ACC
25A DOOR NO. 1
7. 5A ECU–B
2
1
Y
18 2C
32
29
31
30
IG
ACC
ALTB
BECU
L7(A), L8(B)
Main Body ECU
GND1
TAIL
GND
CANL
CANH
11
6 2B
30 A
18
Y
T
3 B
W–B
13 A
14 A
W
BR
14
3
L94 Junction Connector
20
9
P
BE
10 A
9 A
CANL
CANH
SWIL
L62(A) Certification ECU Assembly
11 A
G
11
SWIL
GND
L43 Power Switch
5
W
57 3A
67 3A
W–B
5
L93 Junction Connector
3
W–B
L1
W–B
3
7
L92 Junction Connector
W–B
L3
Light Control Switch
T
H
A
EL
OFF
Tail
Head
AUTO
EL
L47
Headlight Dimmer Switch Assembly
12
G
68 3A
67 3A
65 3A
64 3A
W–B
W–B
5
4
3
W–B
L93 Junction Connector
L1


(BAT)
125A
DC/DC
2
1 1D
W
G
G
BR
1 2E
35 2A
18 2D
L7(A), L8(B)
Main Body ECU
TRLY
14
TAIL
Relay
10A
PANEL
10A
TAIL
10 2C
7 2B
BR
BR
41 3B
56 3A
BR
3 LS1
BR
BR
BR
11
9
A54
Junction
Connector
8
10
BR
BR
7 A
11 B
12 B
A50(A), A51(B)
Junction
Connector
BR
BR
1
2
L
6 A (*1)
2 B (*2)
5 A (*1)
2 B (*2)
6 A (*1)
2 B (*2)
5 A (*1)
2 B (*2)
A10(A), A16(B)
Headlight Assembly LH
Marker
A10(A), A11(B)
Headlight Assembly LH
Parking
A39(A), A46(B)
Headlight Assembly RH
Marker
A39(A), A40(B)
Headlight Assembly RH
Parking
B
E
4 A (*1)
1 B (*2)
W–B
W–B
W–B
W–B
BR
B
B
Marker
Stop/Tail
E
S18
Rear Combination Light Assembly RH
5
W–B
A3
A2
S2

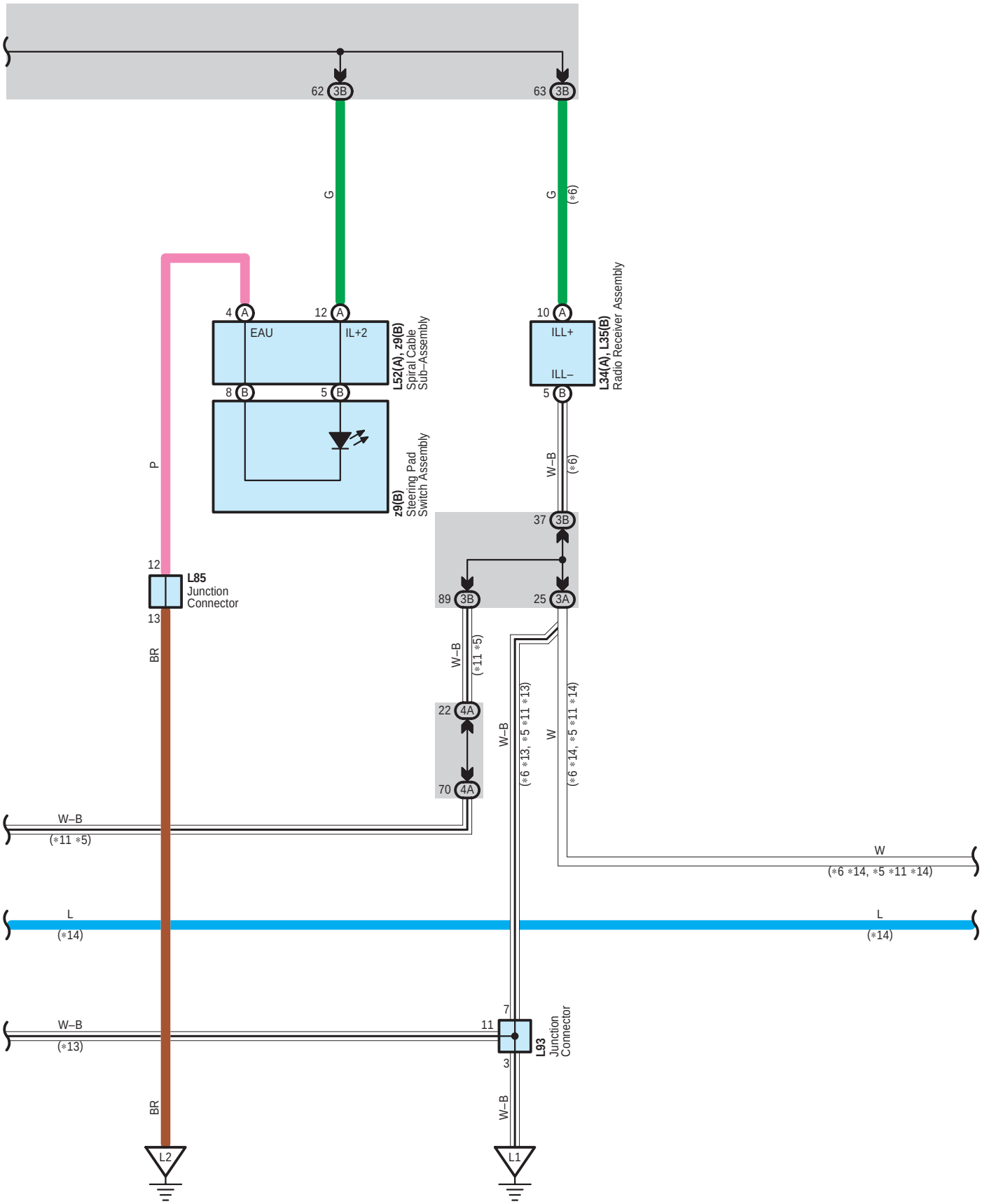

G
BR
Y
L
W–B
L88
Junction Connector
R28(A), R29(B)
Junction Connector
R17
Rear Combination Light Assembly LH
Marker
Stop/Tail
V5
License Plate Light Assembly RH
V7
License Plate Light Assembly LH
U3(A), U13(B)
Map Light Assembly
ILL+
GND1
L9
Glove Box Light (No. 1 Interior Illumination Light Assembly)
M2
Passenger Seat Belt Warning Light Assembly
DIM
ILL–
L93
Junction Connector
R2
V1
L1



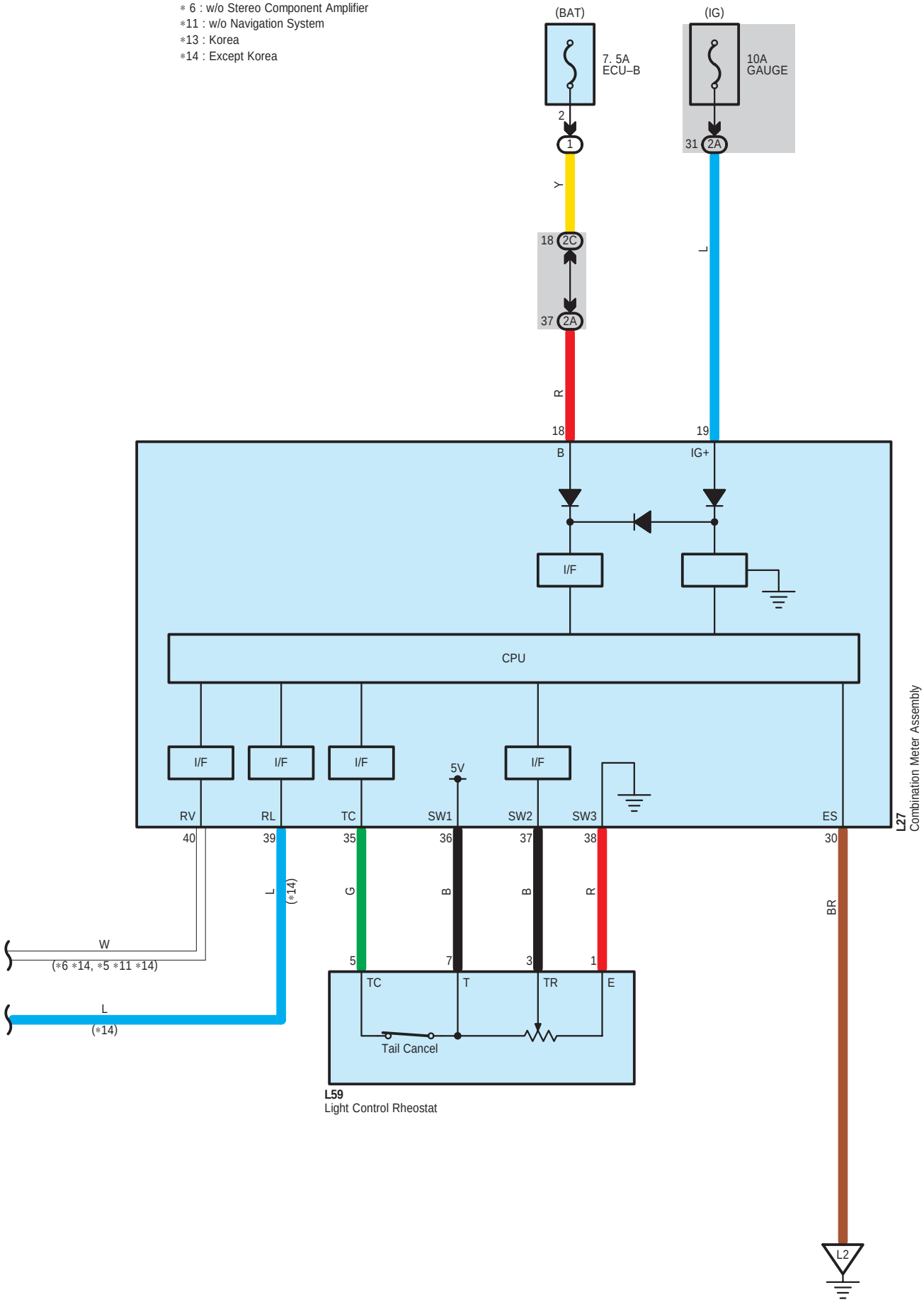
∗ 3 : w/ Sliding Roof
∗ 4 : w/o Sliding Roof
∗ 5 : w/ Stereo Component Amplifier
∗10 : w/ Navigation System
∗11 : w/o Navigation System
∗12 : w/ Safety Connect System


27 3B
27 3A
51 3B
15 3A
G
10 Lb1
5
ILL+
ILL–
b1
Transmission Shift Main Switch
3
W–B
6 Lb1
30 3B
30 3A
90 3B
29 3A
18 3A
53 3B
L57
Trip Switch
4
6
L20
A/C Control Assembly
7
4
L78
Integration Control and Panel Assembly
1
BR
W–B
(*11 *5)
(*13)
L
(*14)

∗ 5 : w/ Stereo Component Amplifier
∗ 6 : w/o Stereo Component Amplifier
∗11 : w/o Navigation System
∗13 : Korea
∗14 : Except Korea



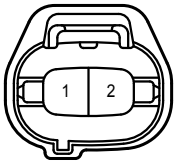
∗ 5 : w/ Stereo Component Amplifier
∗ 6 : w/o Stereo Component Amplifier
∗11 : w/o Navigation System
∗13 : Korea
∗14 : Except Korea



A 10
Gray

A 11
Gray

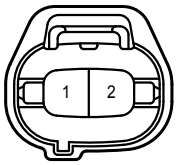
A 16
Black



A 39
Gray

A 40
Gray

A 46
Black



A 50
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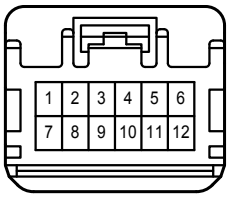

A 51
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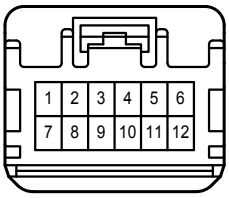
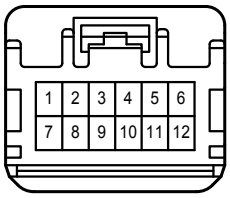


A 54
Black



L 7
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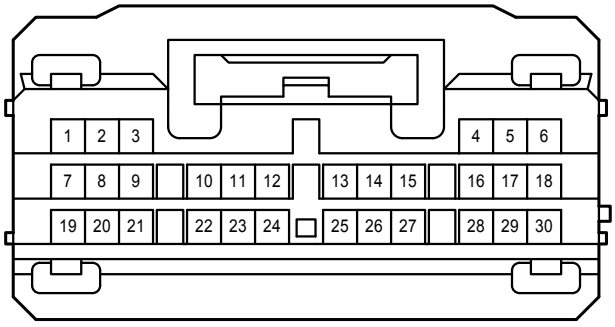

L 8
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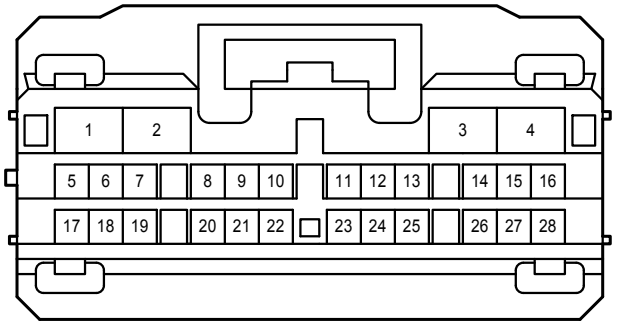

L 9
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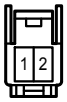

L 19
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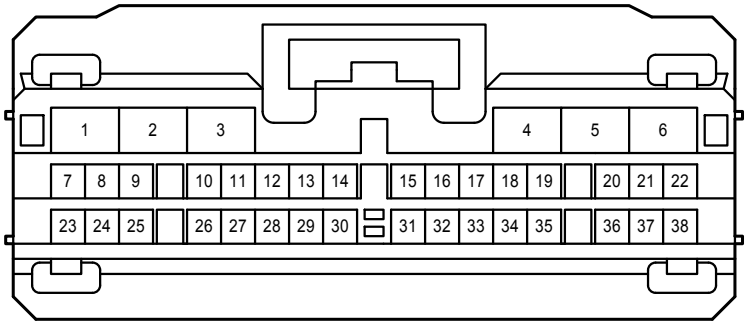

L 20
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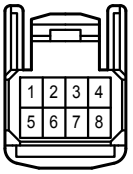

L 26
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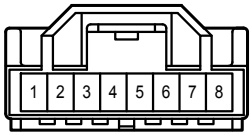

L 27
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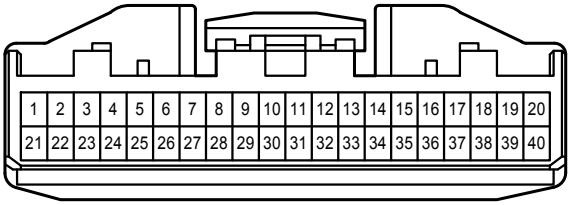

L 34
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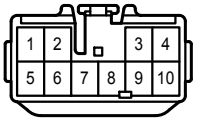
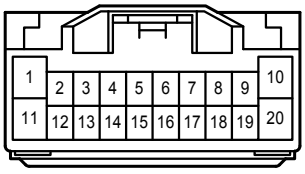


L 35
White

L 40
White



L 43
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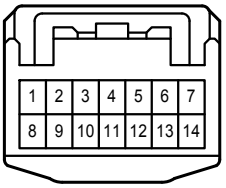
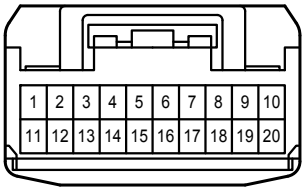
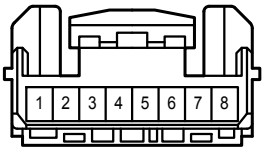


L 47
White



L 52
Black

L 56
Black



L 57
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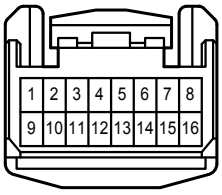

L 58
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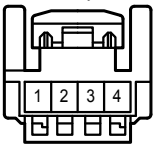

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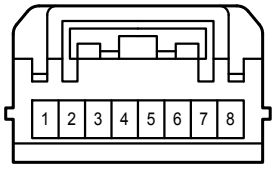

L 62
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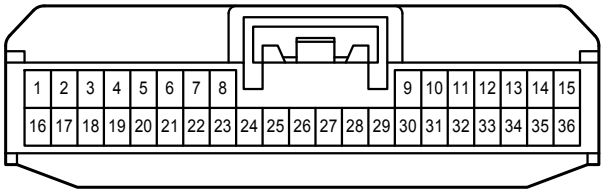

L 66
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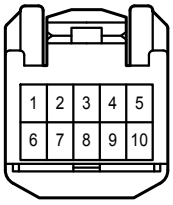

L 78
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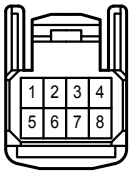

L 85
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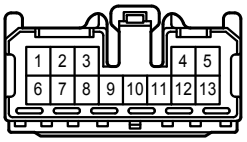

L 88
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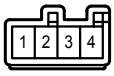

L 89
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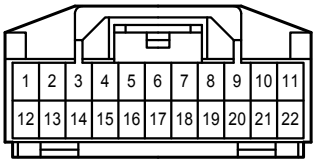

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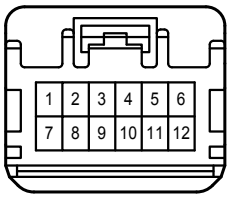

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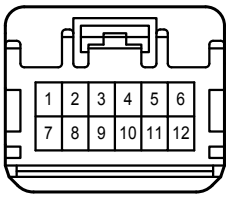

L 94
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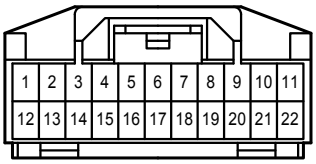

M 2
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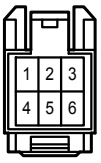
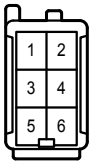
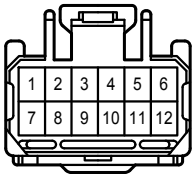


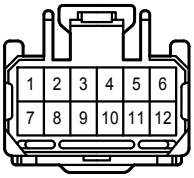
R 17
White



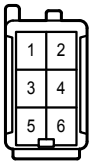
R 28
White



R 29
White



S 18
White



U 3
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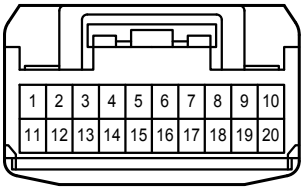
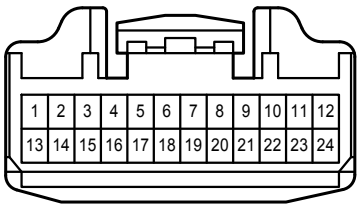
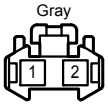


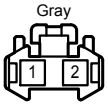
U 13
White



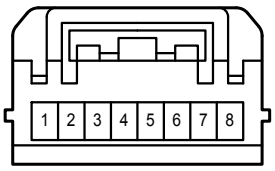
V 5
Gray



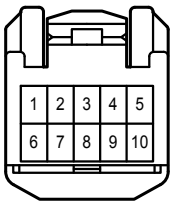
V 7
Gray



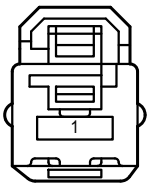
b 1
White



z 9
Black



1D
Black



2A
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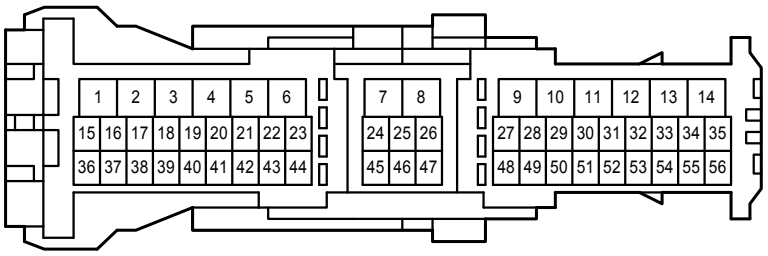

2B
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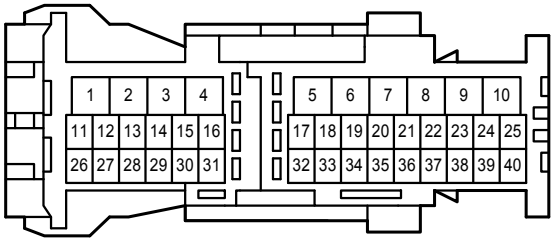

2C
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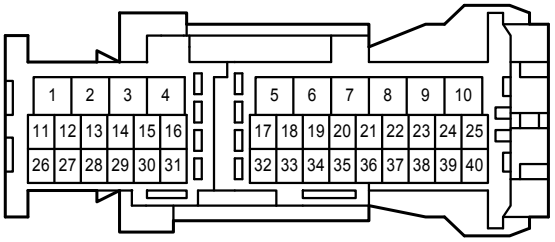

2D
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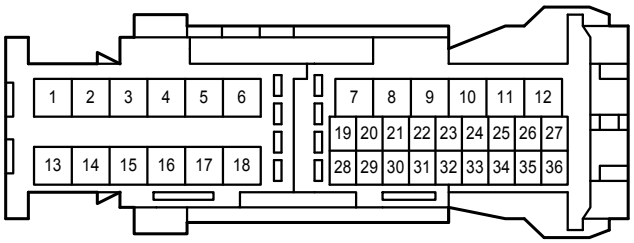

2E
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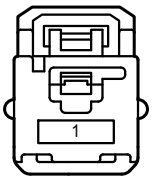

3A
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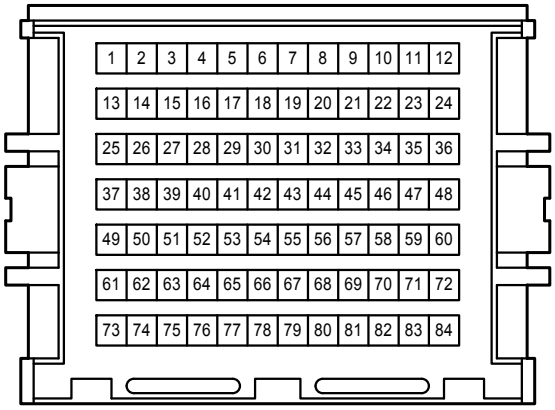

3B
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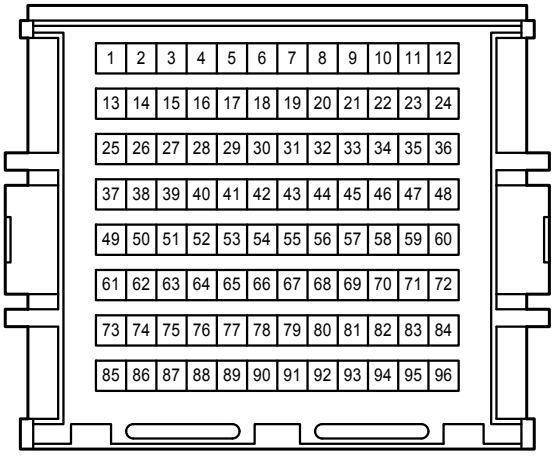

4A
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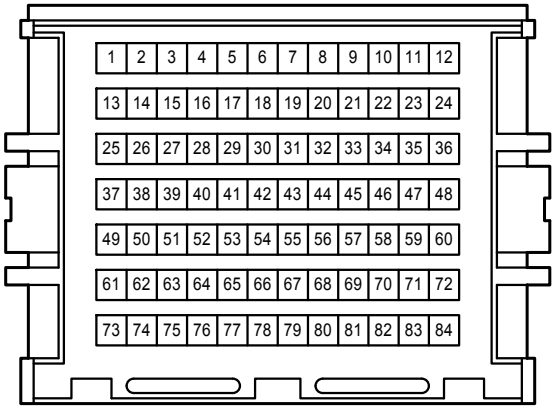

4B
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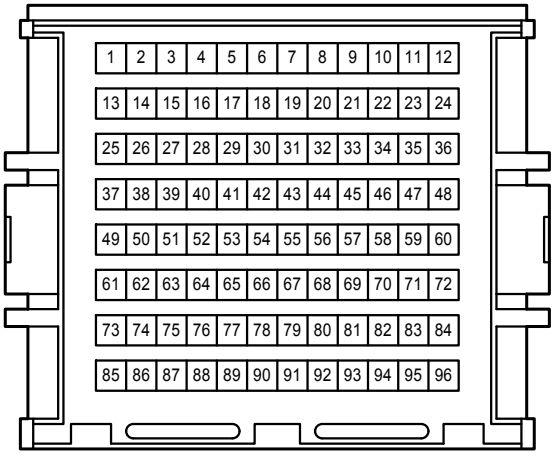

IM1
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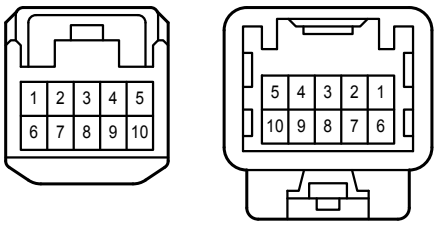

LI2
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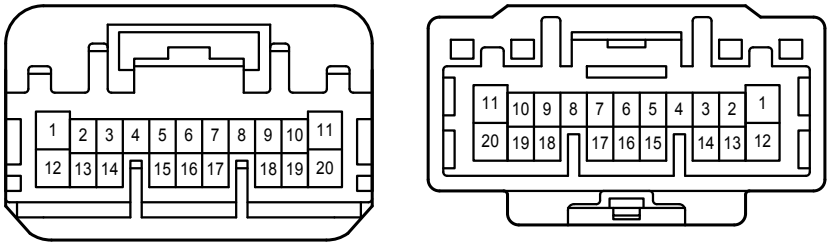

LR1
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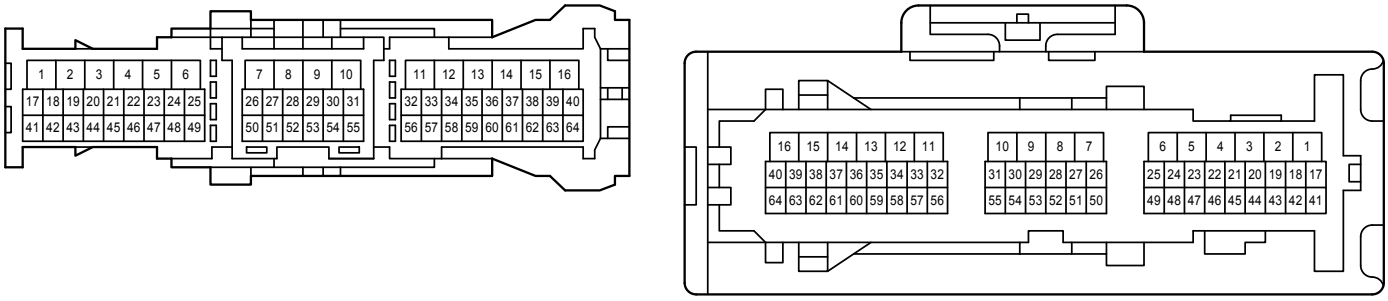
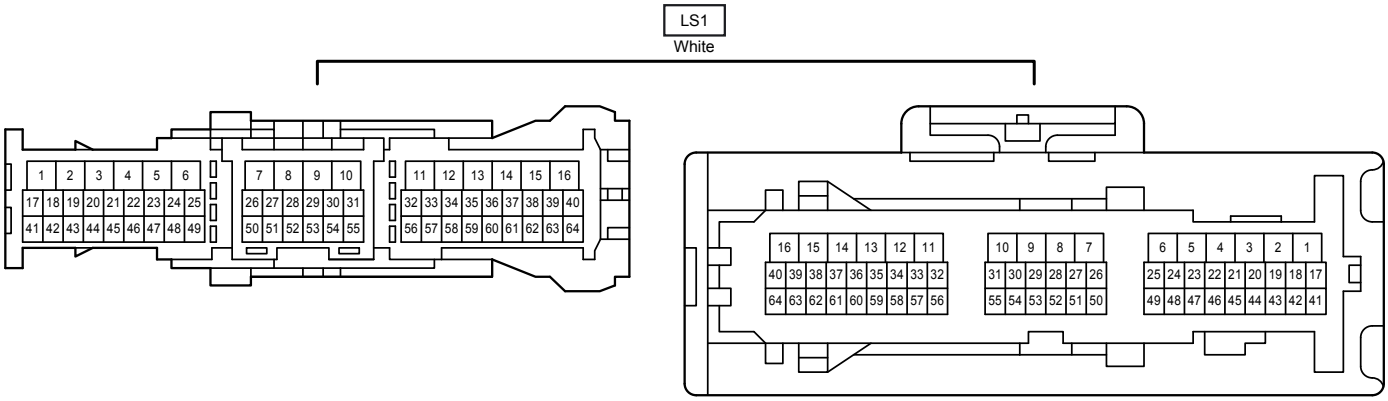
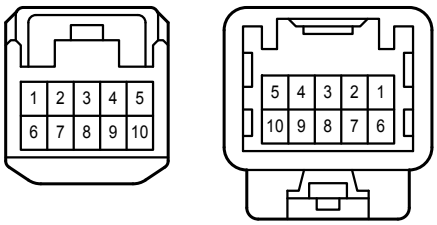


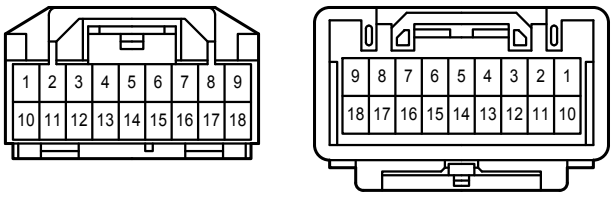
LS1
White



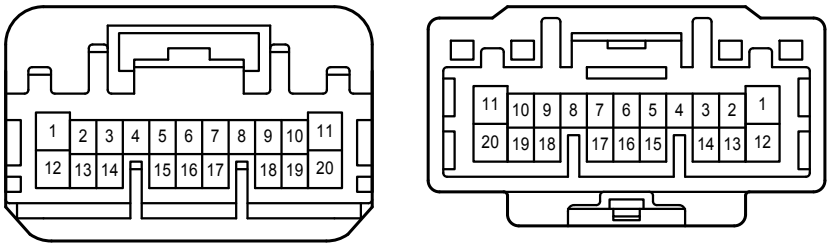
Lb1
White

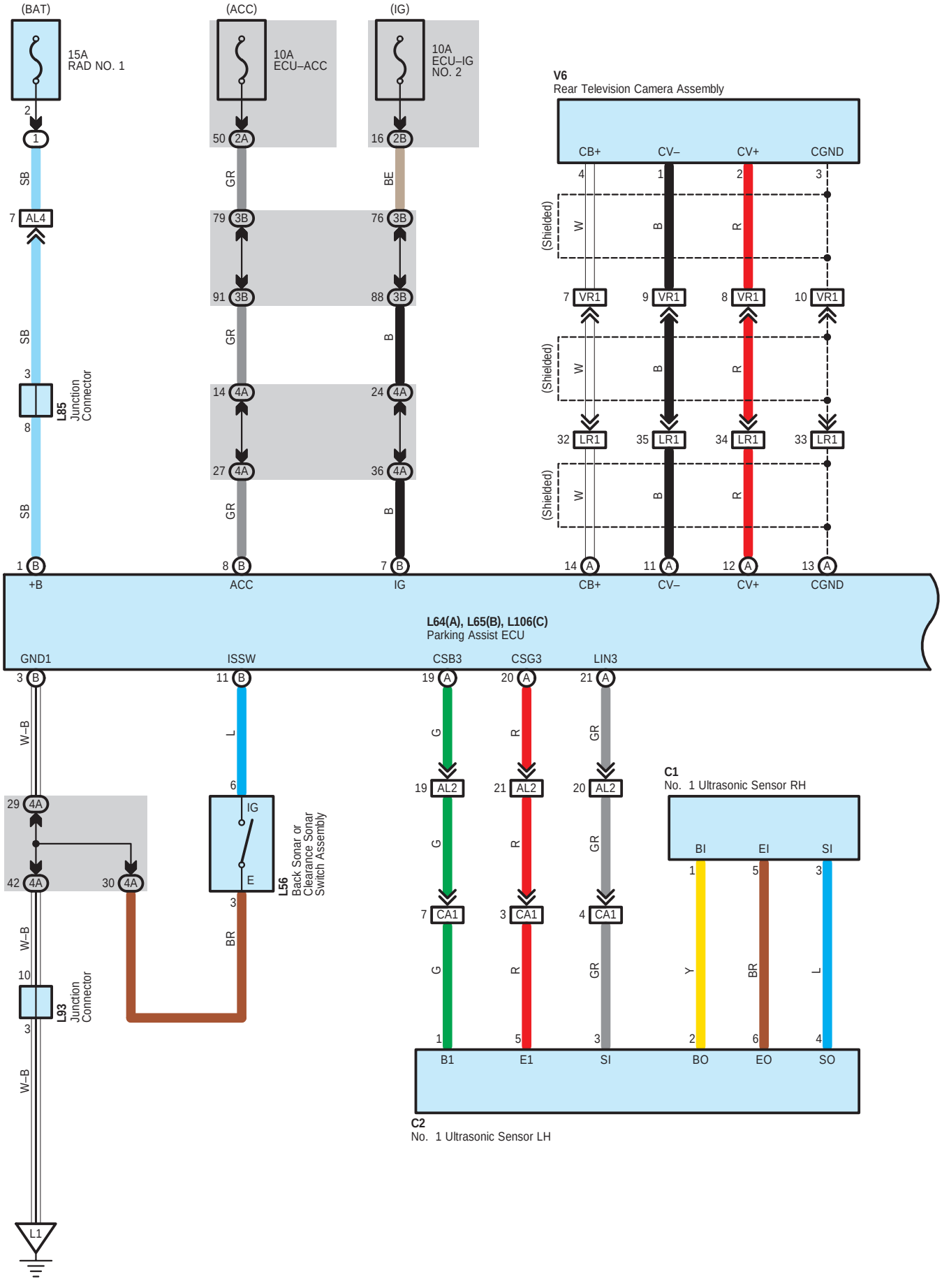


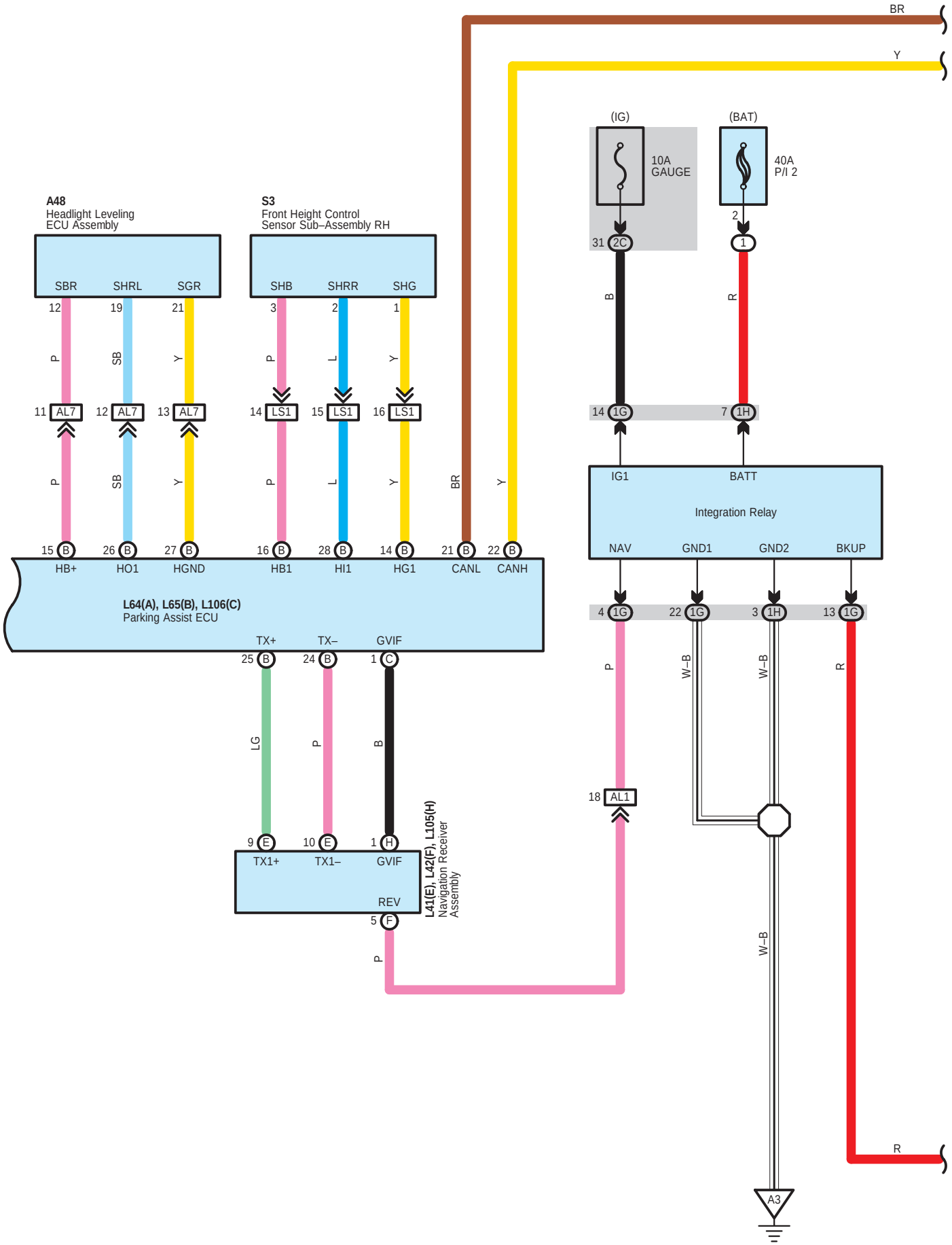
UL1
Gray

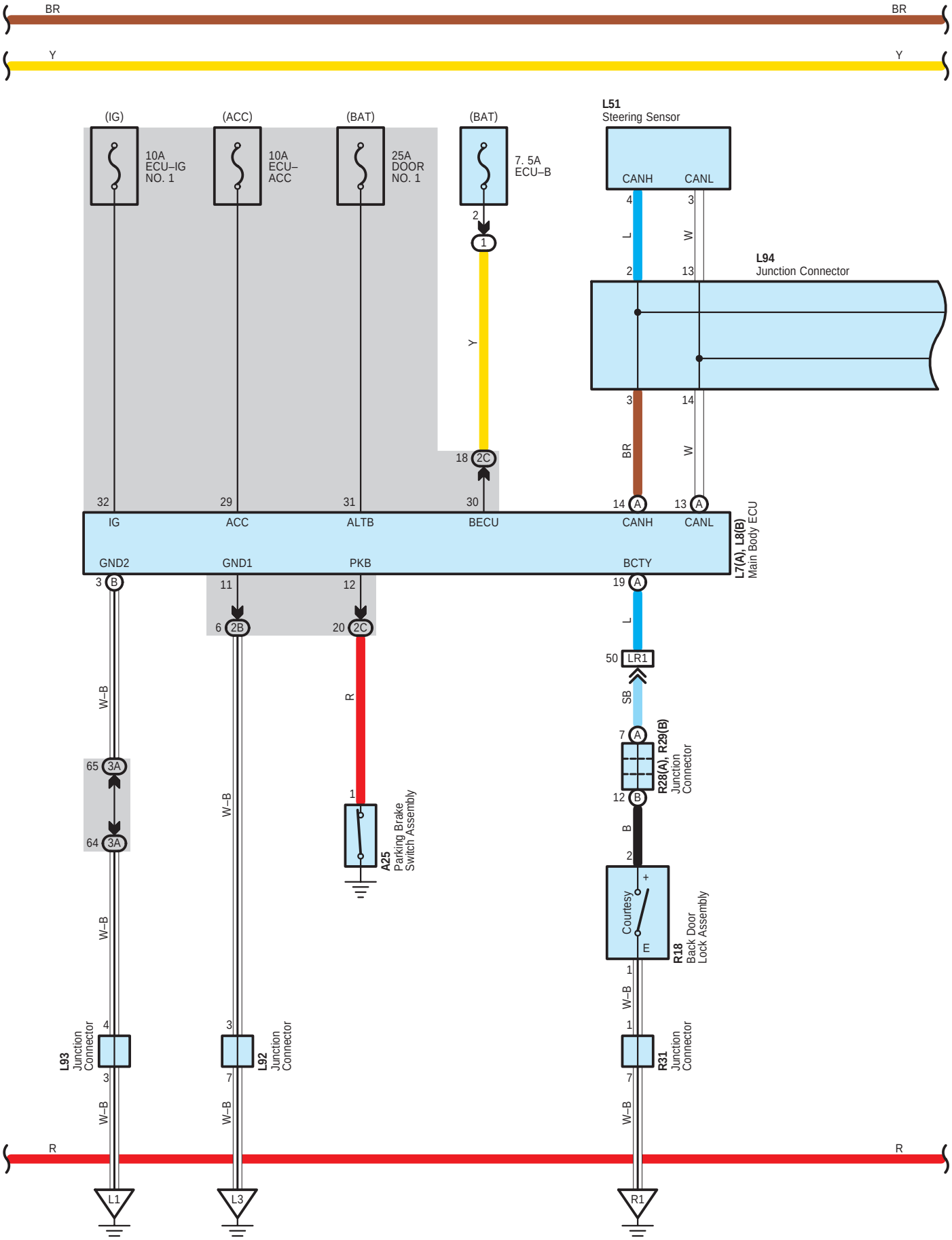


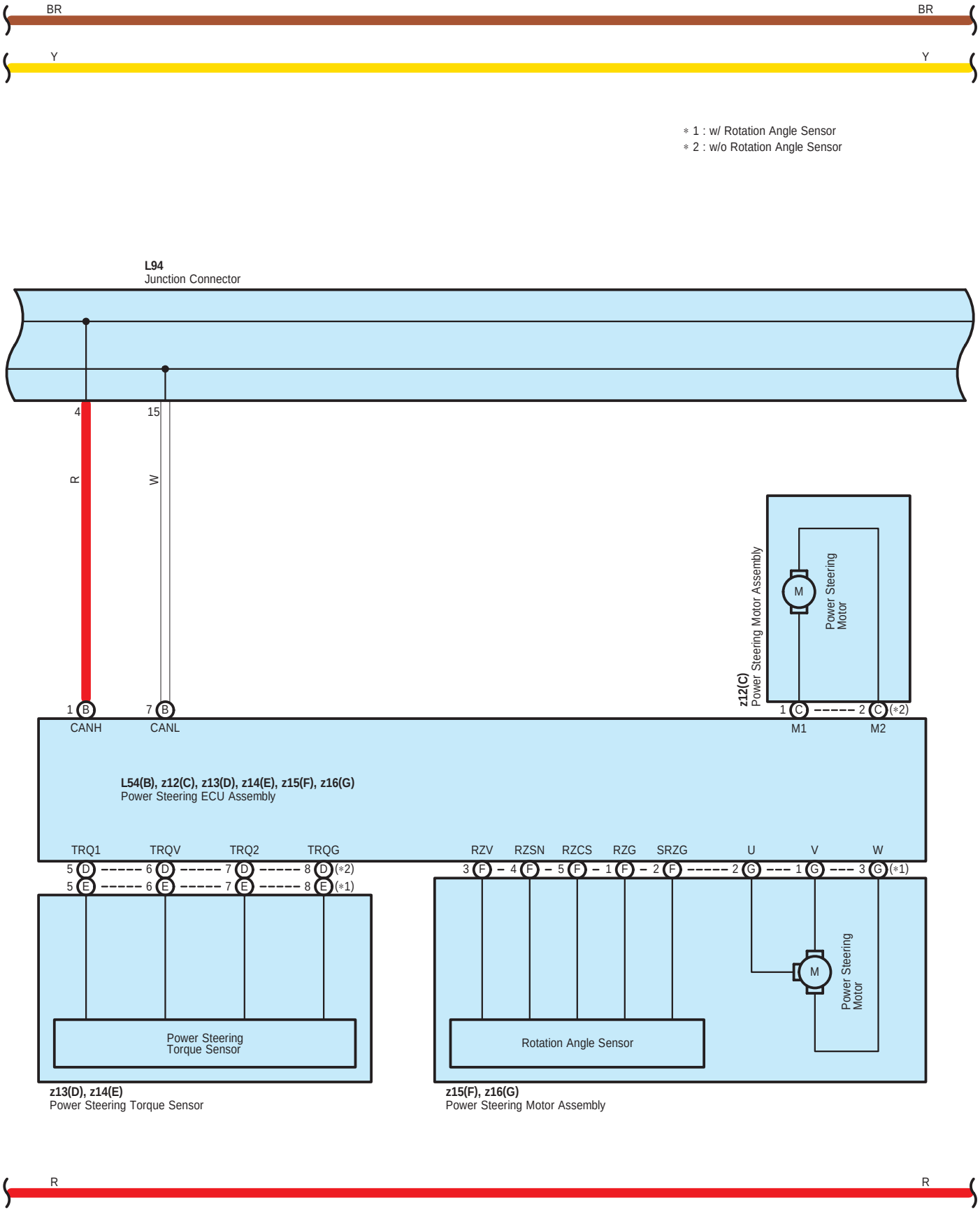
VR1
White

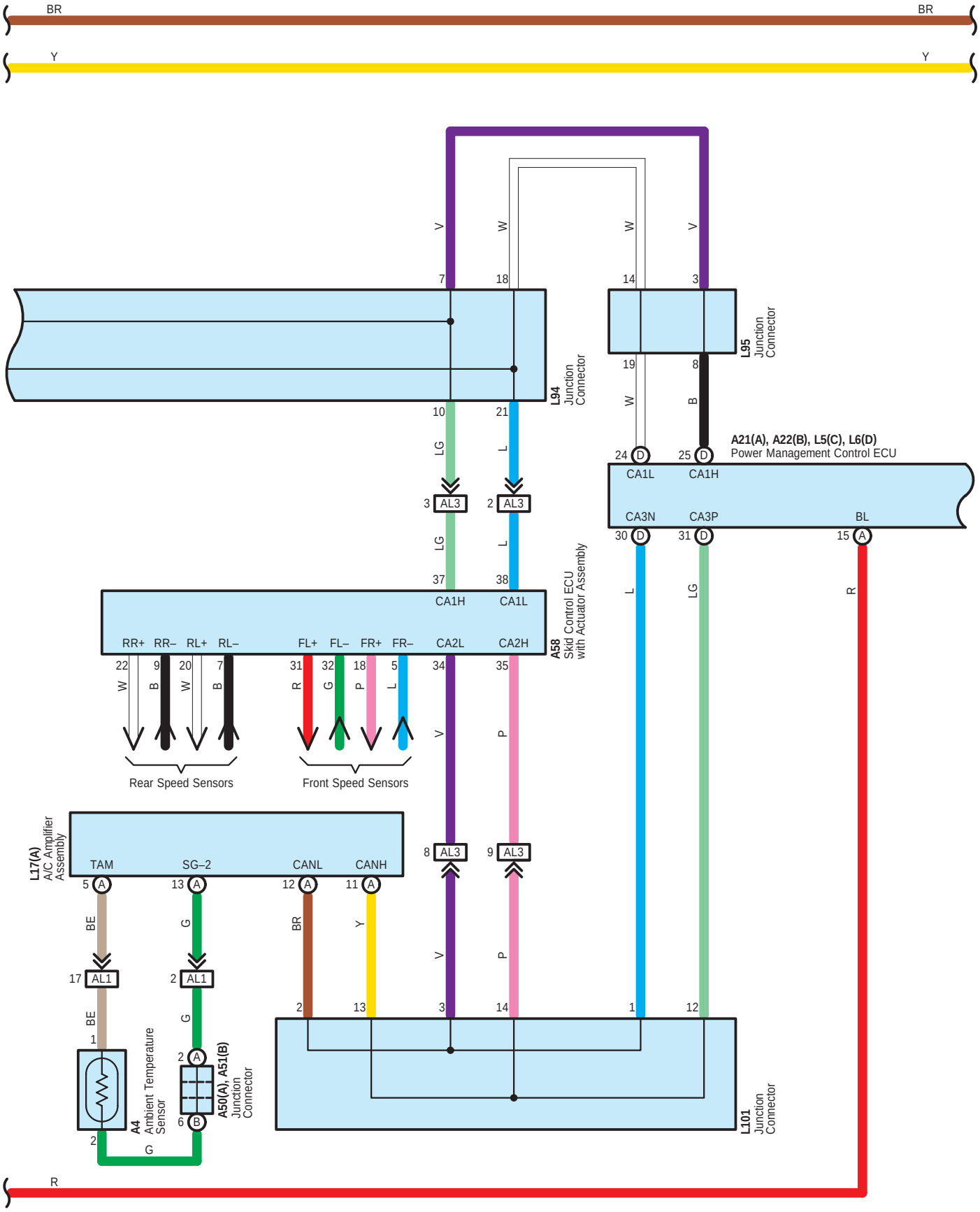


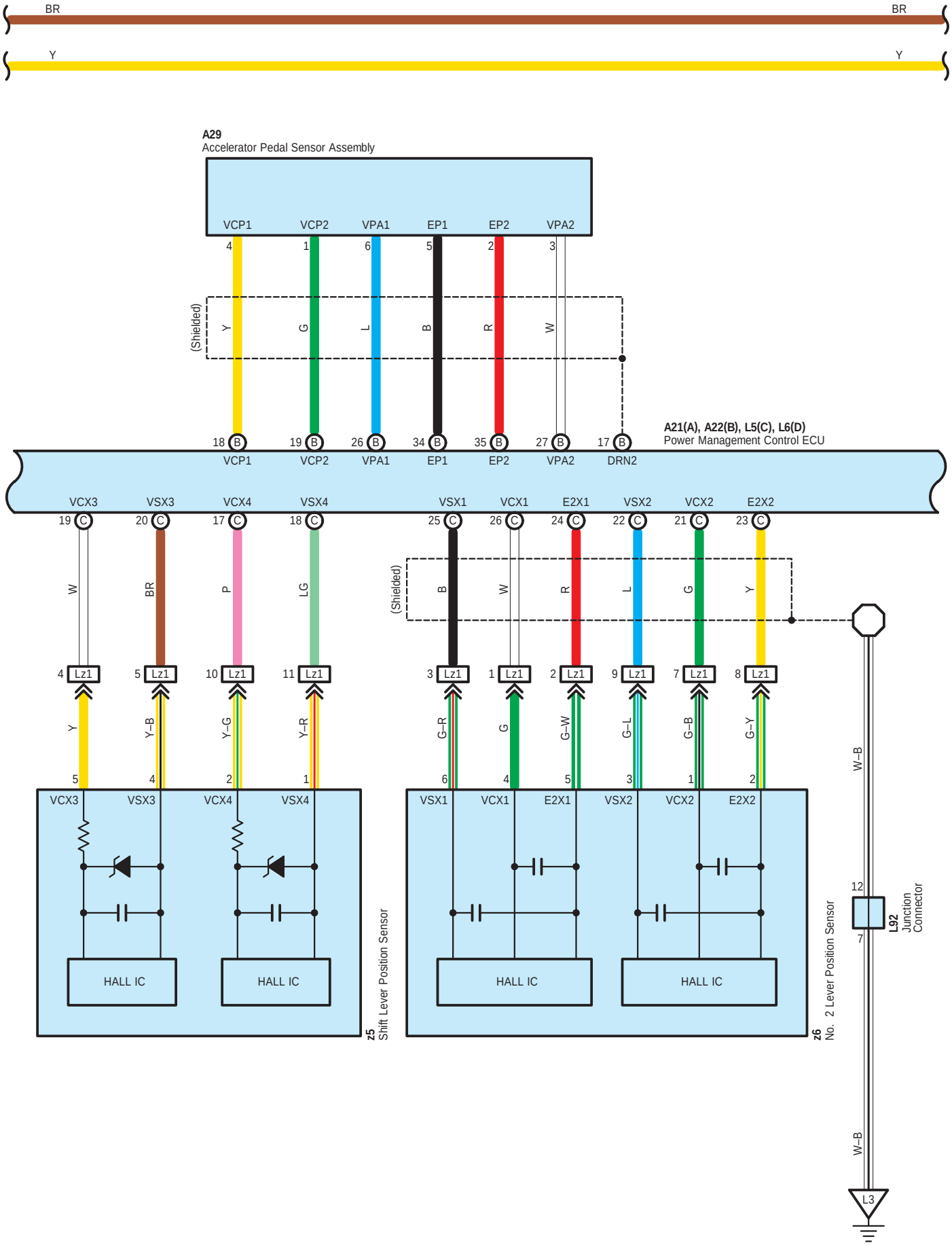

(BAT)
15A
RAD NO. 1
(ACC)
10A
ECU–ACC
(IG)
10A
ECU–IG
NO. 2
V6
Rear Television Camera Assembly
CB+
CV–
CV+
CGND
(Shielded)
L85
Junction
Connector
L64(A), L65(B), L106(C)
Parking Assist ECU
+B
ACC
IG
GND1
ISSW
CSB3
CSG3
LIN3
L56
Back Sonar or
Clearance Sonar
Switch Assembly
L93
Junction
Connector
C1
No. 1 Ultrasonic Sensor RH
C2
No. 1 Ultrasonic Sensor LH
B1
E1
SI
BO
EO
SO
BI
EI
SI
L1

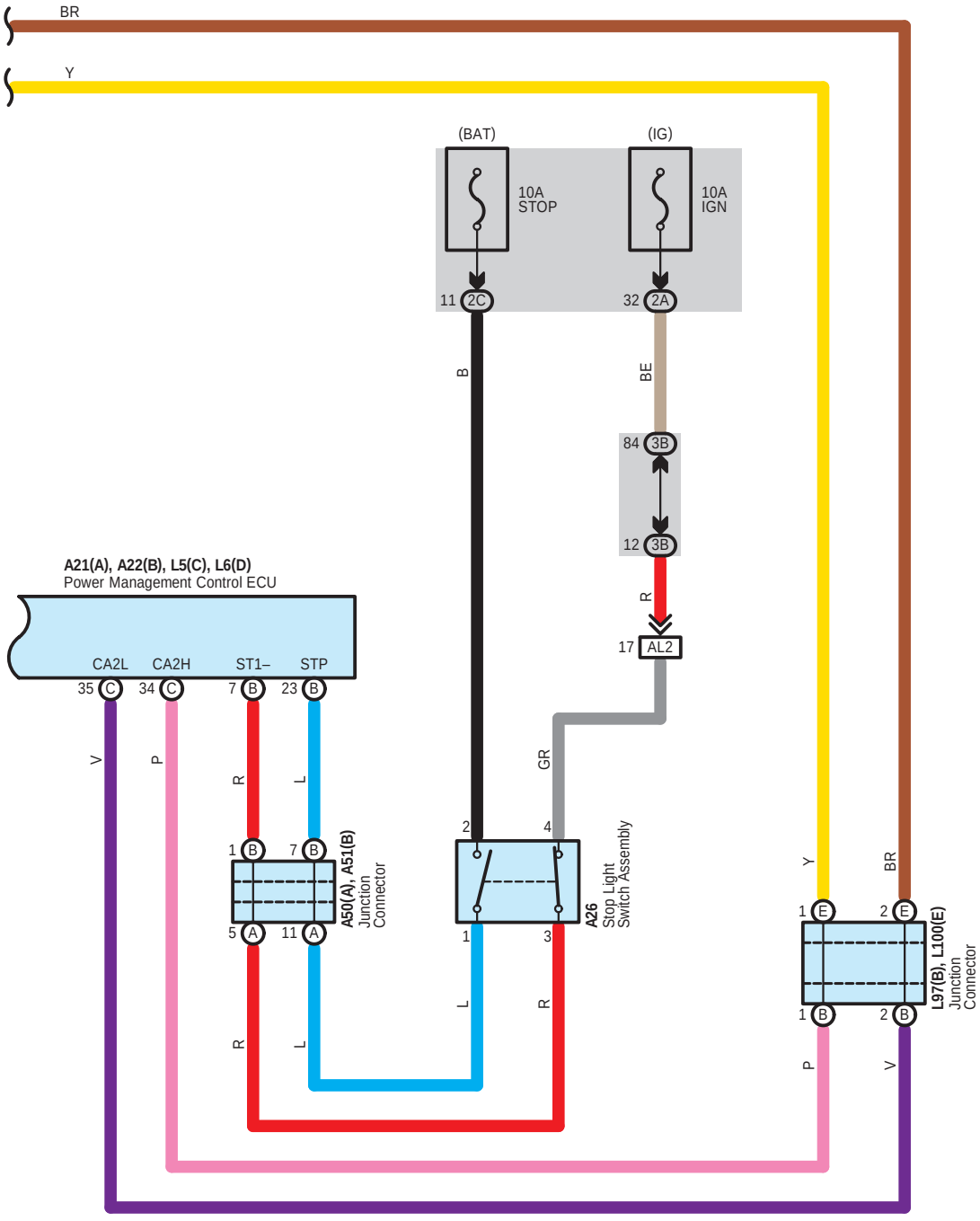

BR
Y
(IG)
(BAT)
10A
GAUGE
40A
P/I 2
A48
Headlight Leveling
ECU Assembly
S3
Front Height Control
Sensor Sub–Assembly RH
SBR
SHRL
SGR
SHB
SHRR
SHG
12
19
21
3
2
1
P
SB
Y
P
L
Y
11 AL7
12 AL7
13 AL7
14 LS1
15 LS1
16 LS1
P
SB
Y
P
L
Y
BR
Y
15 B
26 B
27 B
16 B
28 B
14 B
21 B
22 B
HB+
HO1
HGND
HB1
HI1
HG1
CANL
CANH
L64(A), L65(B), L106(C)
Parking Assist ECU
TX+
TX–
GVIF
25 B
24 B
1 C
LG
P
B
9 E
10 E
1 H
TX1+
TX1–
GVIF
REV
5 F
L41(E), L42(F), L105(H)
Navigation Receiver
Assembly
P
31 2C
2
1
B
R
14 1G
7 1H
IG1
BATT
Integration Relay
NAV
GND1
GND2
BKUP
4 1G
22 1G
3 1H
13 1G
P
W–B
W–B
R
18 AL1
W–B
R
A3


BR
BR
Y
Y
(IG)
10A
ECU–IG
NO. 1
(ACC)
10A
ECU–
ACC
(BAT)
25A
DOOR
NO. 1
(BAT)
7. 5A
ECU–B
L51
Steering Sensor
CANH
CANL
L94
Junction Connector
IG
ACC
ALTB
BECU
CANH
CANL
GND2
GND1
PKB
BCTY
L7(A), L8(B)
Main Body ECU
LR1
R28(A), R29(B)
Junction
Connector
A25
Parking Brake
Switch Assembly
Courtesy
R18
Back Door
Lock Assembly
L93
Junction
Connector
L92
Junction
Connector
R31
Junction
Connector
R
R
L1
L3
R1


BR
BR
Y
Y
∗ 1 : w/ Rotation Angle Sensor
∗ 2 : w/o Rotation Angle Sensor
L94
Junction Connector
4
15
R
W
1 B
CANH
7 B
CANL
z12(C)
Power Steering Motor Assembly
M
Power Steering Motor
1 C
M1
2 C (∗2)
M2
L54(B), z12(C), z13(D), z14(E), z15(F), z16(G)
Power Steering ECU Assembly
TRQ1
TRQV
TRQ2
TRQG
5 D
6 D
7 D
8 D (∗2)
5 E
6 E
7 E
8 E (∗1)
Power Steering Torque Sensor
z13(D), z14(E)
Power Steering Torque Sensor
RZV
RZSN
RZCS
RZG
SRZG
U
V
W
3 F
4 F
5 F
1 F
2 F
2 G
1 G
3 G (∗1)
Rotation Angle Sensor
M
Power Steering Motor
z15(F), z16(G)
Power Steering Motor Assembly
R
R

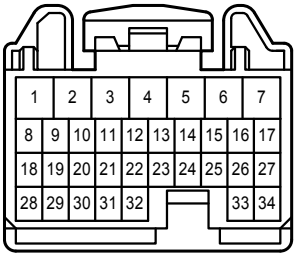

BR
BR
Y
Y
V
W
W
V
7
18
14
3
L94
Junction
Connector
L95
Junction
Connector
19
8
W
B
10
21
24
25
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
LG
L
CA1L
CA1H
3
AL3
2
AL3
CA3N
CA3P
BL
30
31
15
LG
L
37
38
L
LG
R
CA1H
CA1L
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
CA2L
CA2H
A58
Skid Control ECU
with Actuator Assembly
22
9
20
7
31
32
18
5
34
35
W
B
W
B
R
G
P
L
V
P
Rear Speed Sensors
Front Speed Sensors
L17(A)
A/C Amplifier
Assembly
TAM
SG–2
CANL
CANH
8
AL3
9
AL3
5
13
12
11
BE
G
BR
Y
17
AL1
2
AL1
V
P
BE
G
2
13
3
14
1
12
1
2
A
6
B
A4
Ambient Temperature
Sensor
A50(A), A51(B)
Junction
Connector
L101
Junction
Connector
2
G
R


BR
BR
Y
Y
A29
Accelerator Pedal Sensor Assembly
VCP1
VCP2
VPA1
EP1
EP2
VPA2
(Shielded)
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
VCX3
VSX3
VCX4
VSX4
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
HALL IC
25
Shift Lever Position Sensor
26
No. 2 Lever Position Sensor
L92
Junction Connector
W–B
L3

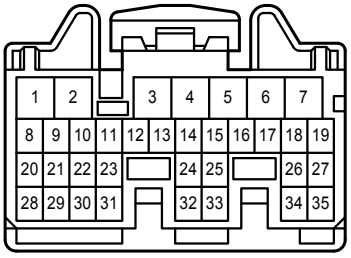

BR
Y
(BAT)
(IG)
10A
STOP
10A
IGN
11 2C
32 2A
B
BE
84 3B
12 3B
R
17 AL2
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
CA2L
CA2H
ST1–
STP
35 C
34 C
7 B
23 B
V
P
R
L
GR
1 B
7 B
5 A
11 A
A50(A), A51(B)
Junction
Connector
2
4
1
3
A26
Stop Light
Switch Assembly
Y
BR
1 E
2 E
1 B
2 B
L97(B), L100(E)
Junction
Connector
P
V

A 4
Black

A 21
Gray

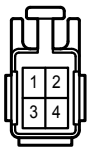


A 22
Gray

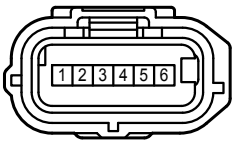


A 25
White

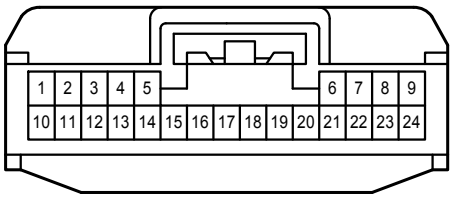
A 26
White



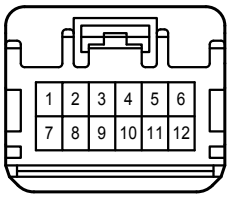
A 29
Black



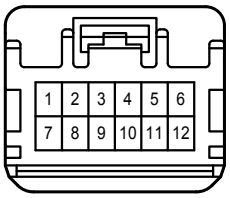
A 48
White



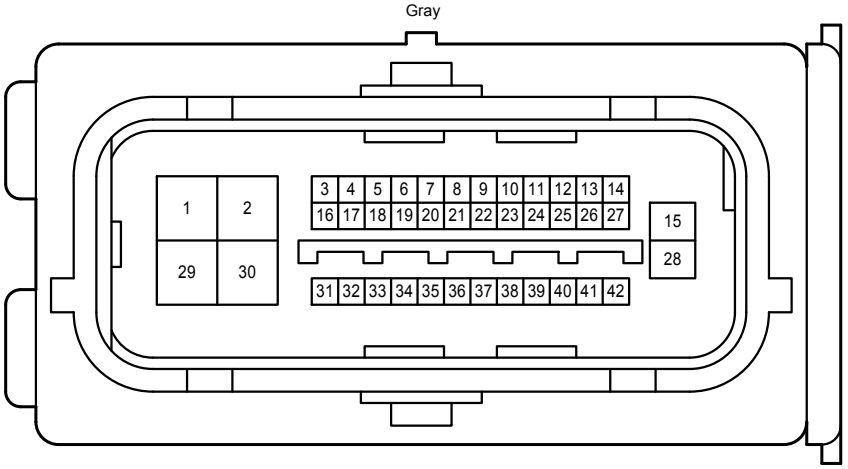
A 50
White



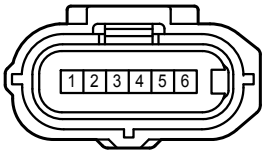
A 51
White



A 58
Gray

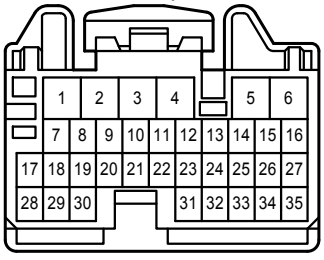


C 1
Black

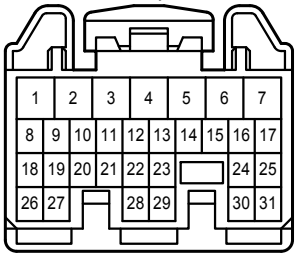


C 2
Black

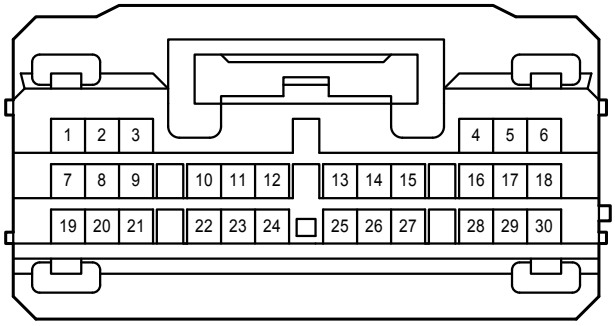
L 5
Gray



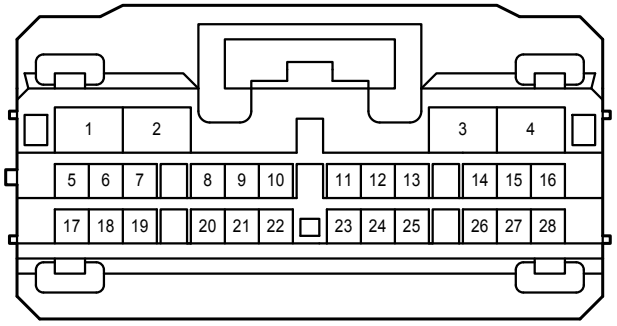
L 6
Gray



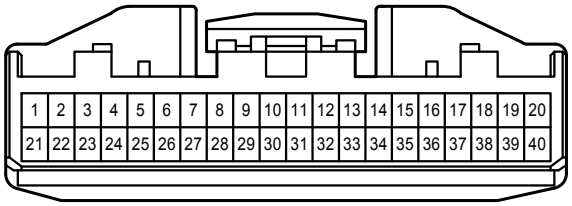
L 7
White



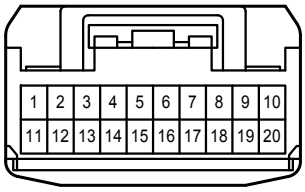
L 8
White



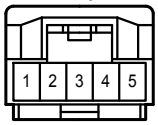
L 17
White



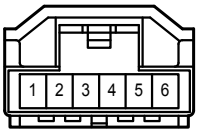
L 41
White



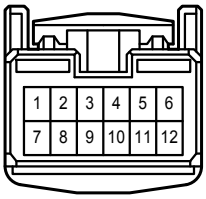
L 42
Gray



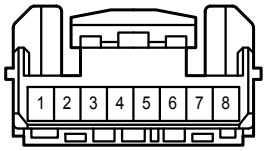
L 51
White



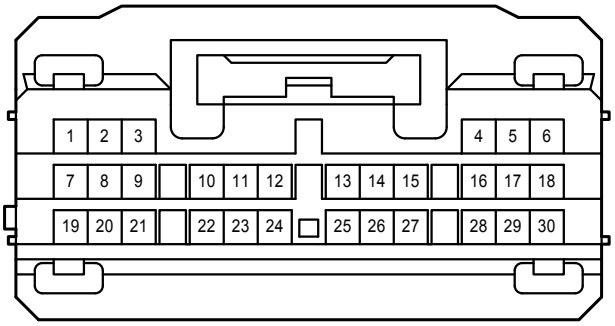
L 54
White



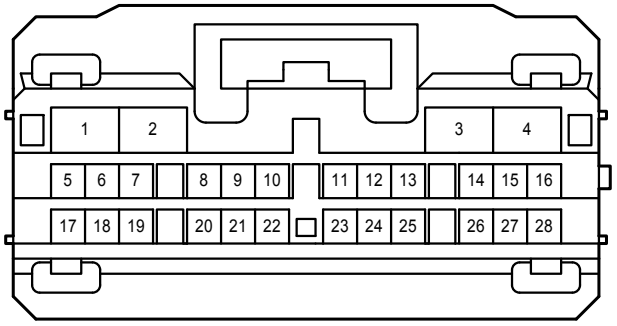
L 56
Black



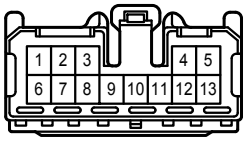
L 64
White



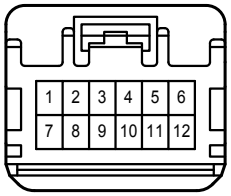
L 65
White



L 85
White



L 92
White



L 93
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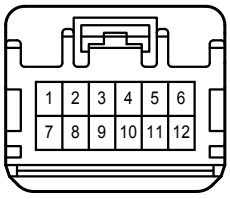

L 94
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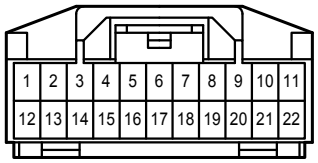
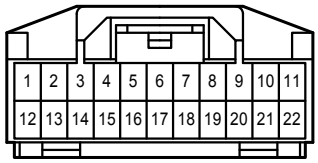


L 95
White



L 97
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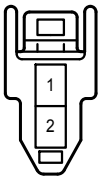
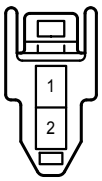
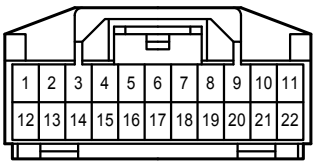


L100
White



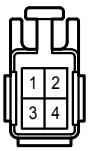
L101
Black



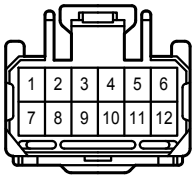
L105
Blue

L106
White

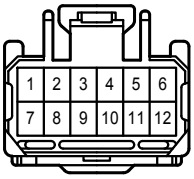
R 18
White



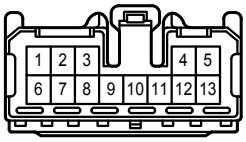
R 28
White



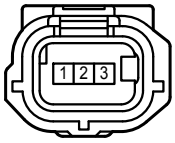
R 29
White



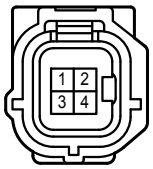
R 31
White



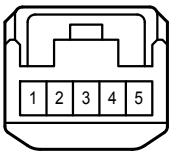
S 3
Black



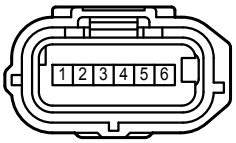
V 6
Black



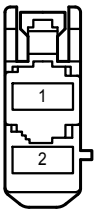
z 5
White



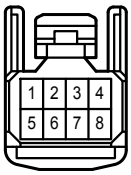
z 6
White



z 12
White



z 13
Black



z 14
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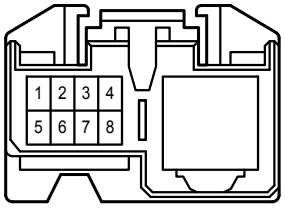

z 15
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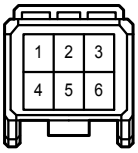

z 16
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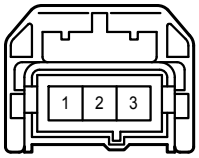
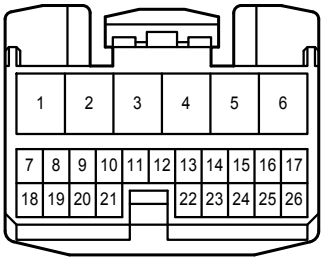
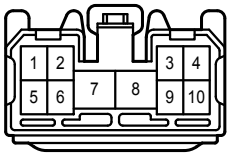


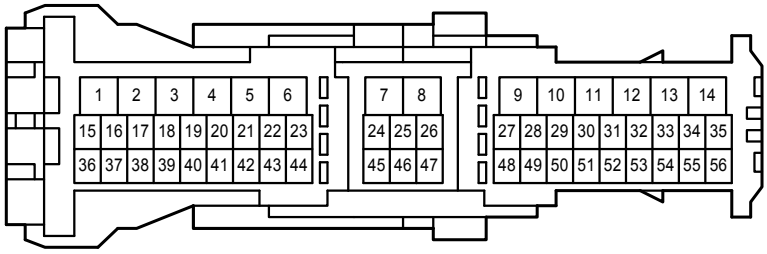
1G
White



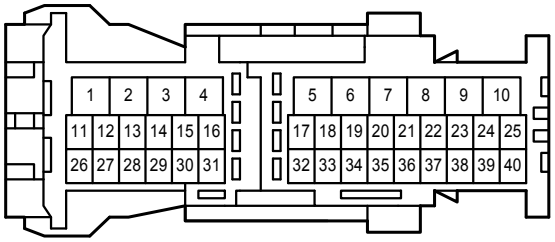
1H
White



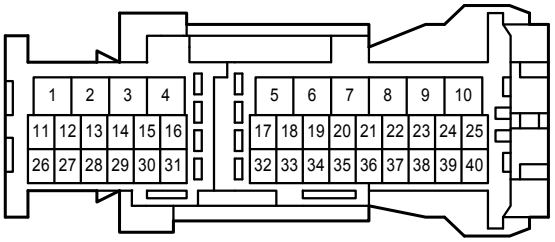
2A
White



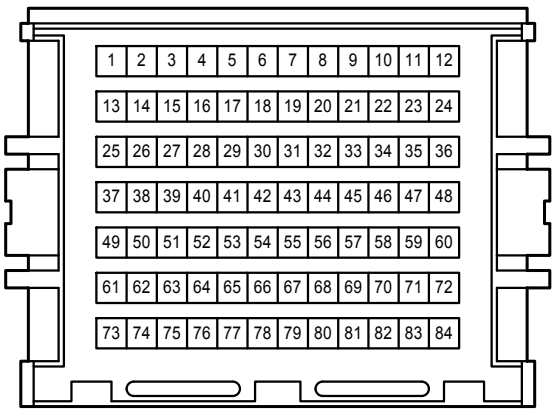
2B
White



2C
White



3A
White



3B
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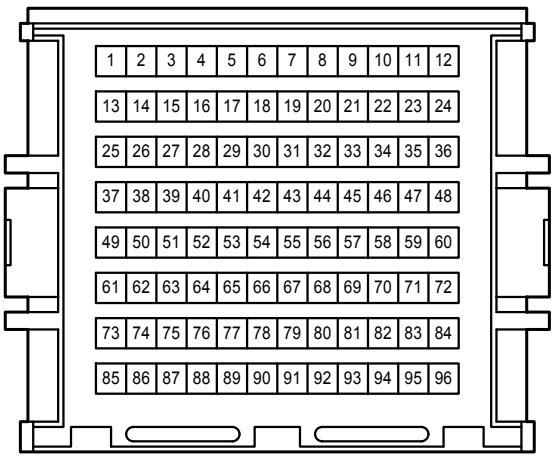
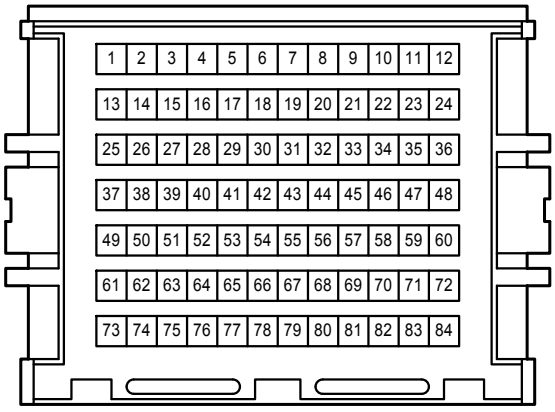
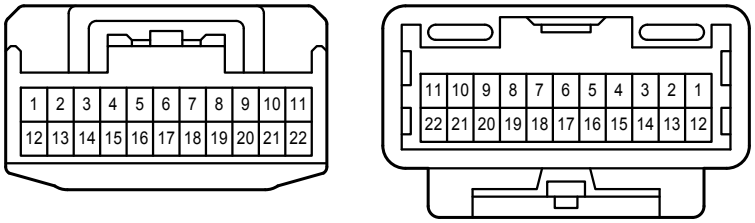


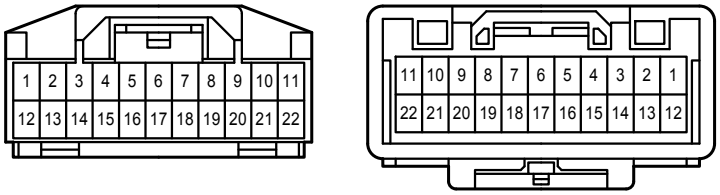
4A
White



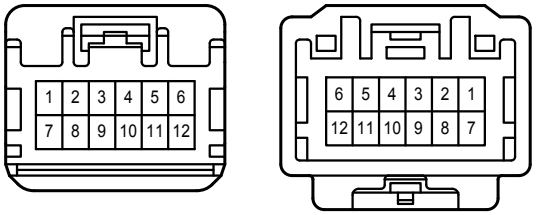
AL1
Blue



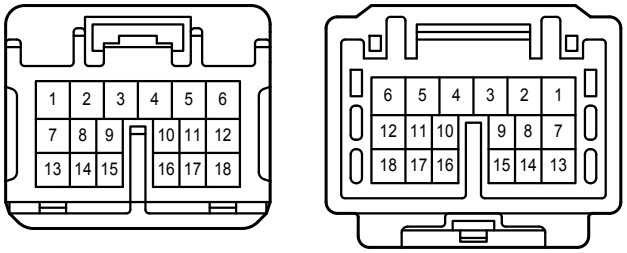
AL2
Gray



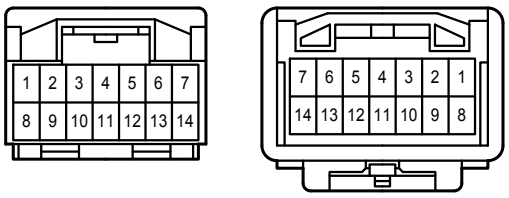
AL3
White



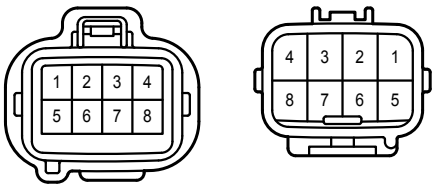
AL4
Black



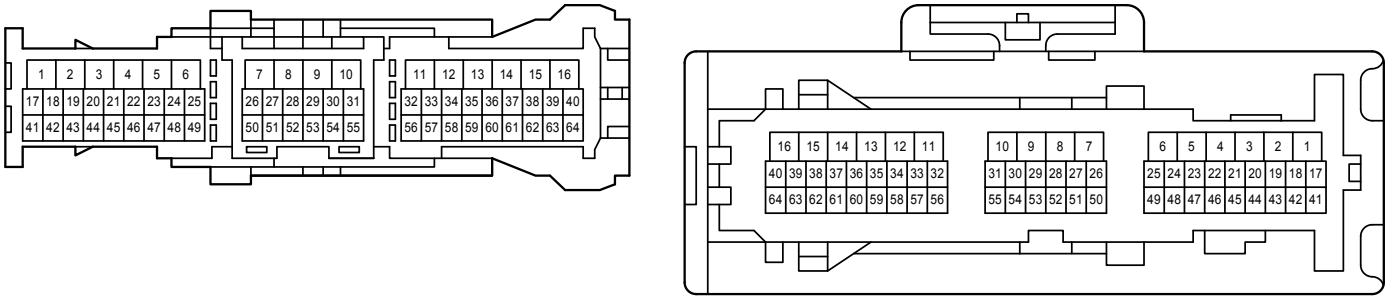
AL7
Black



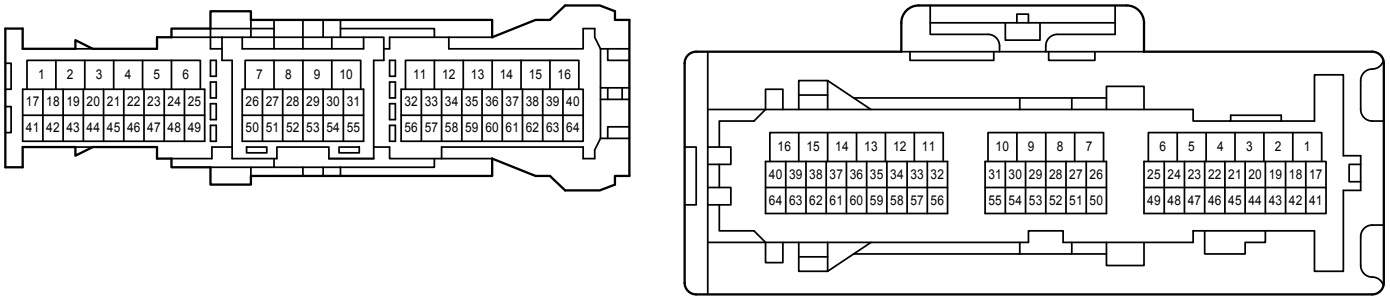
CA1
Black



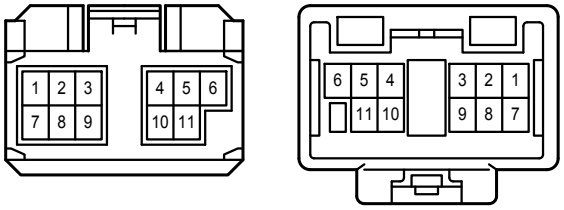
LR1
White



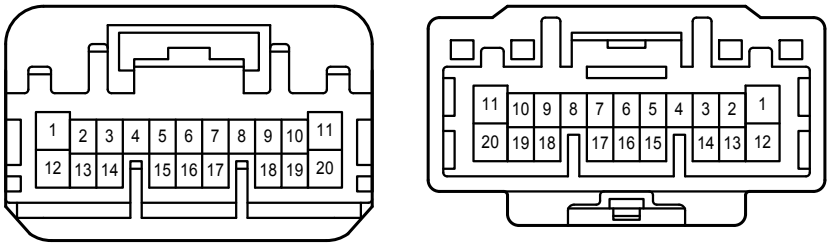
LS1
White

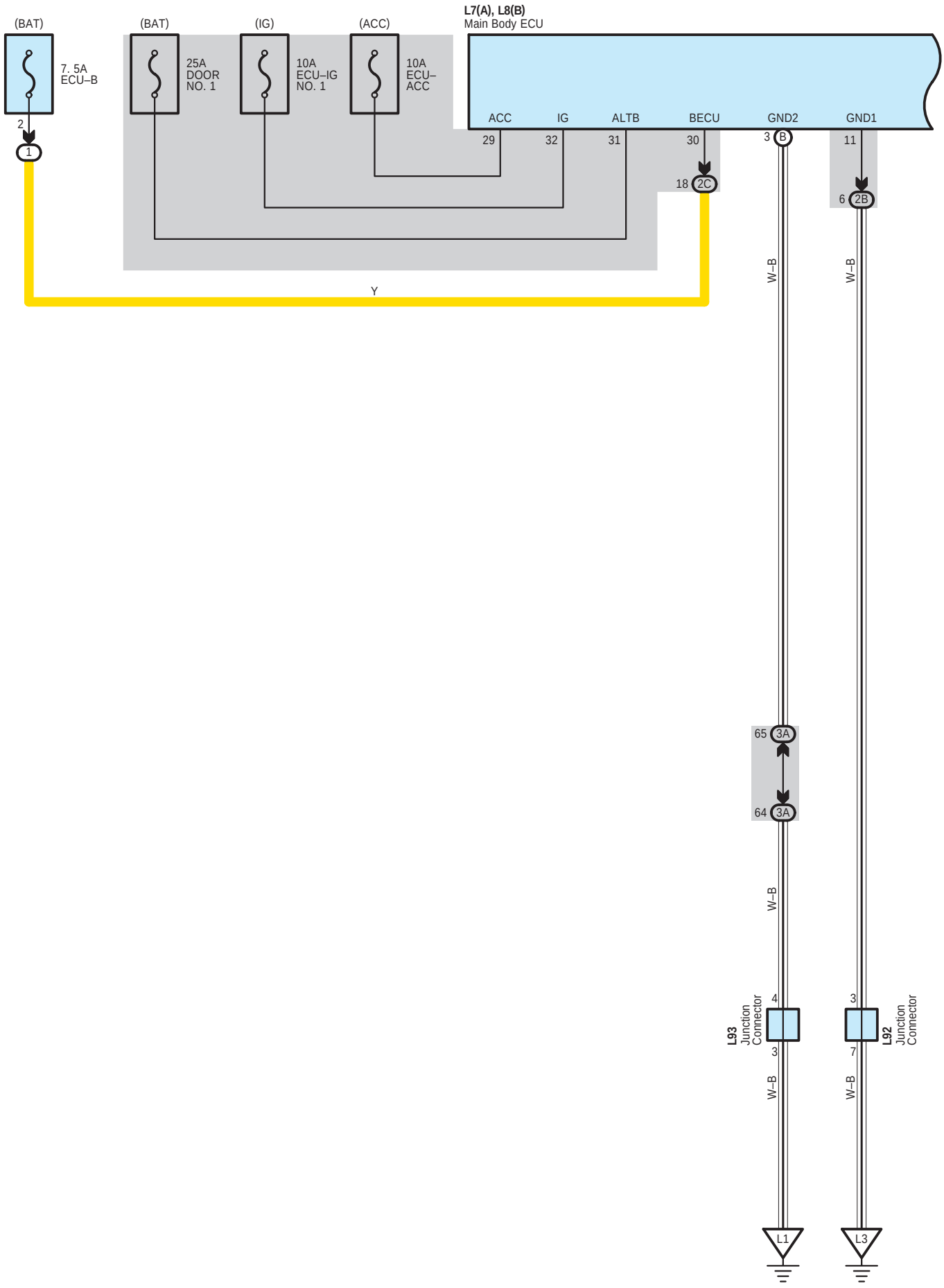


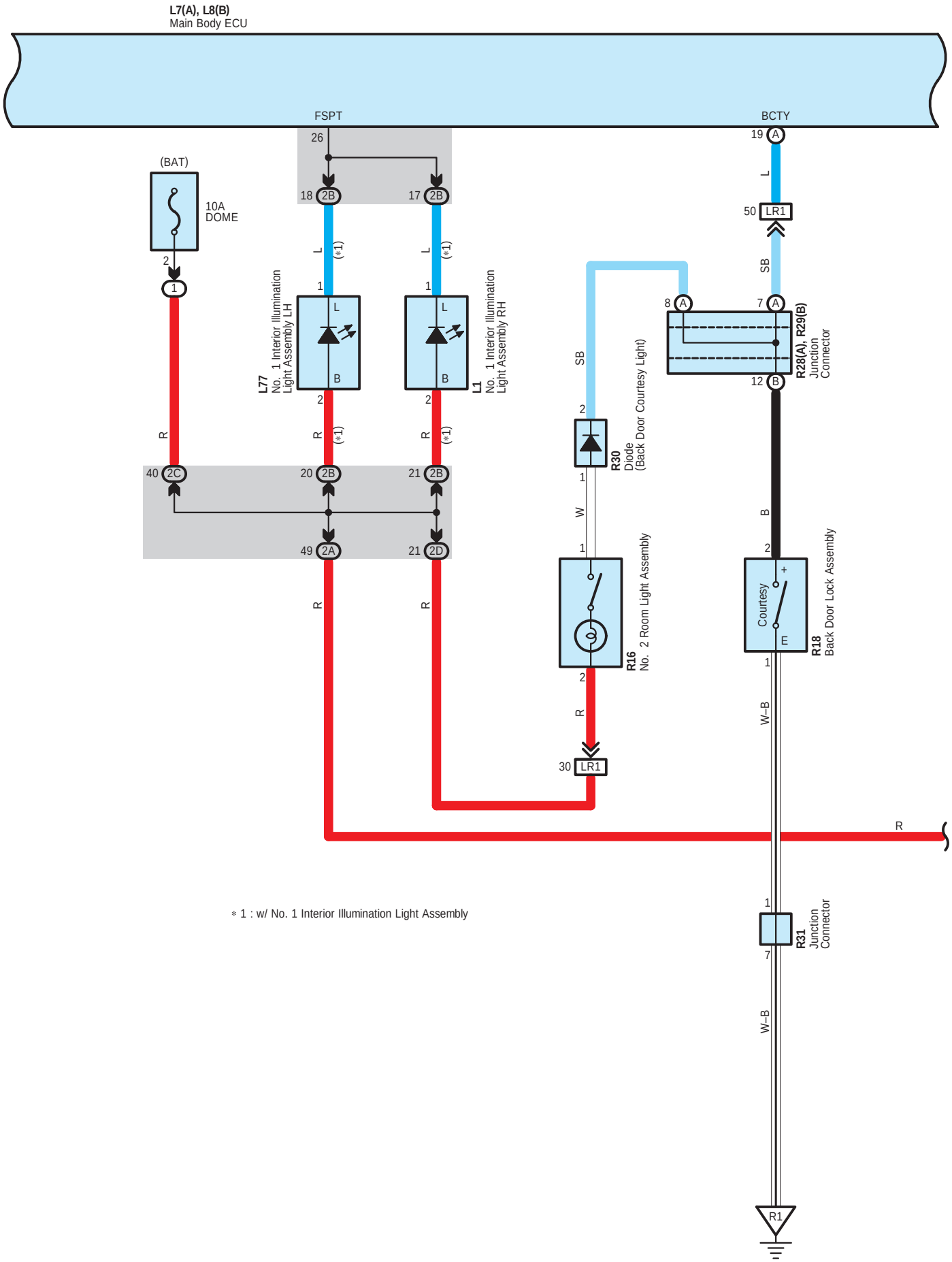
Lz1
White

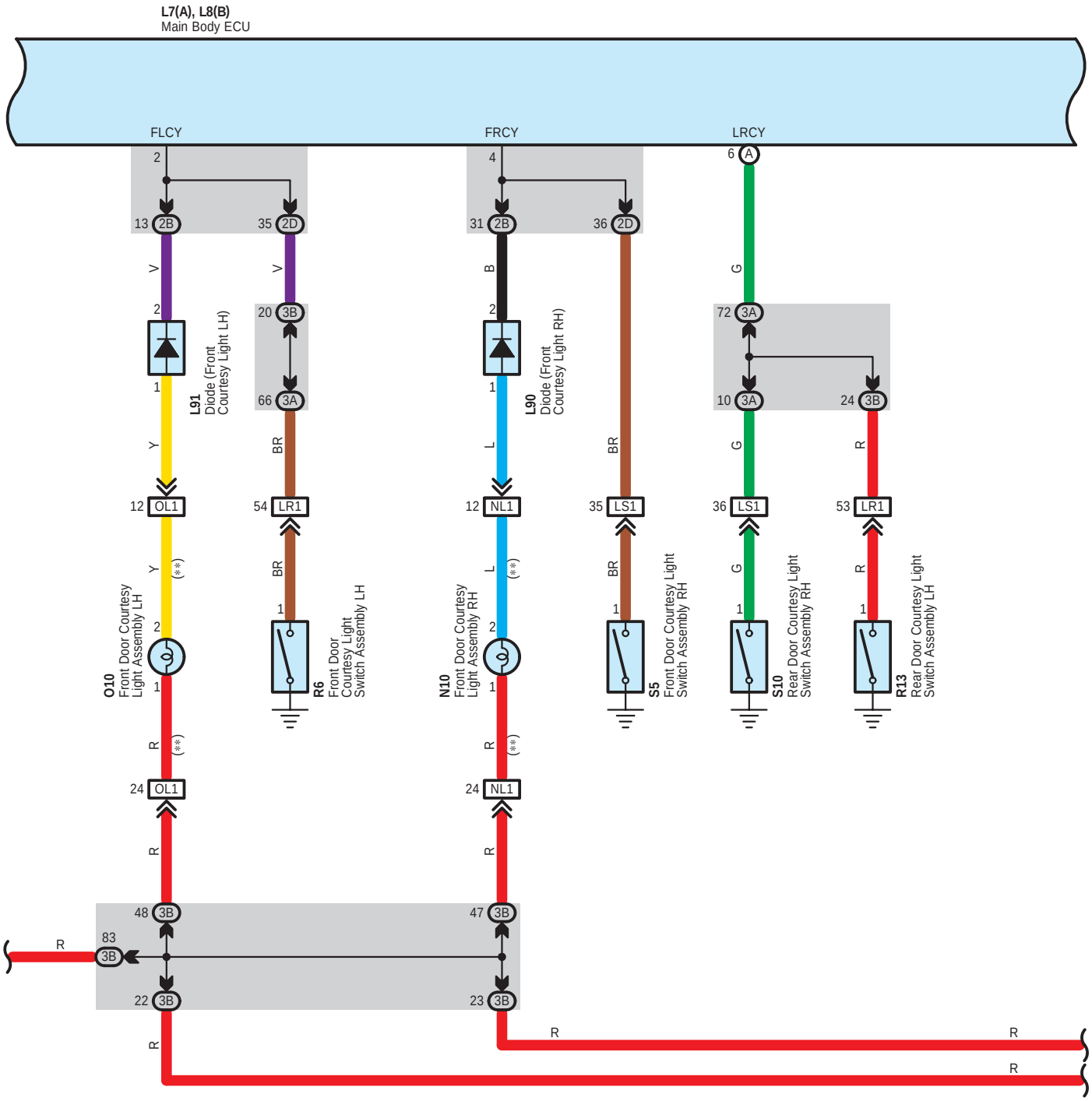


VR1
White

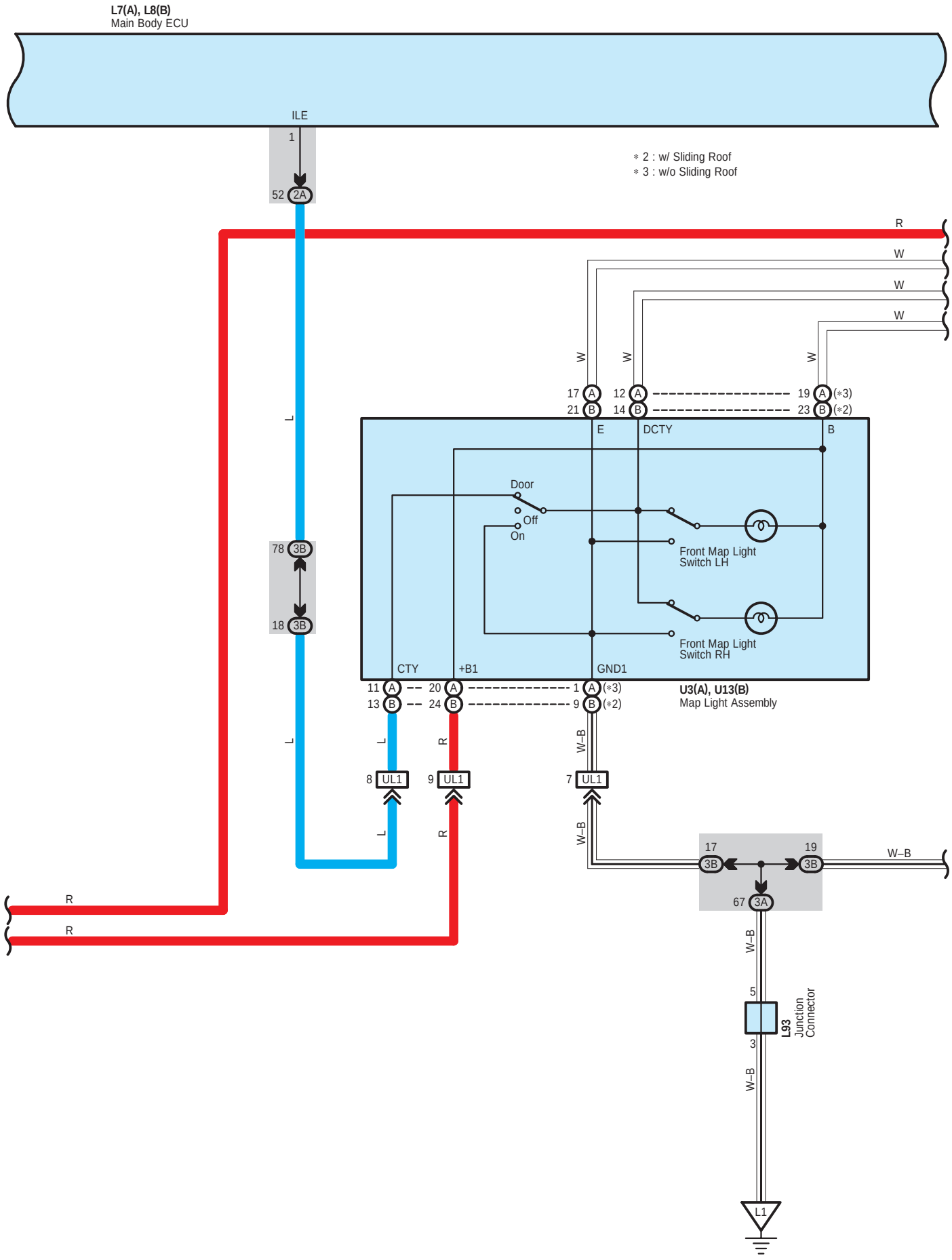


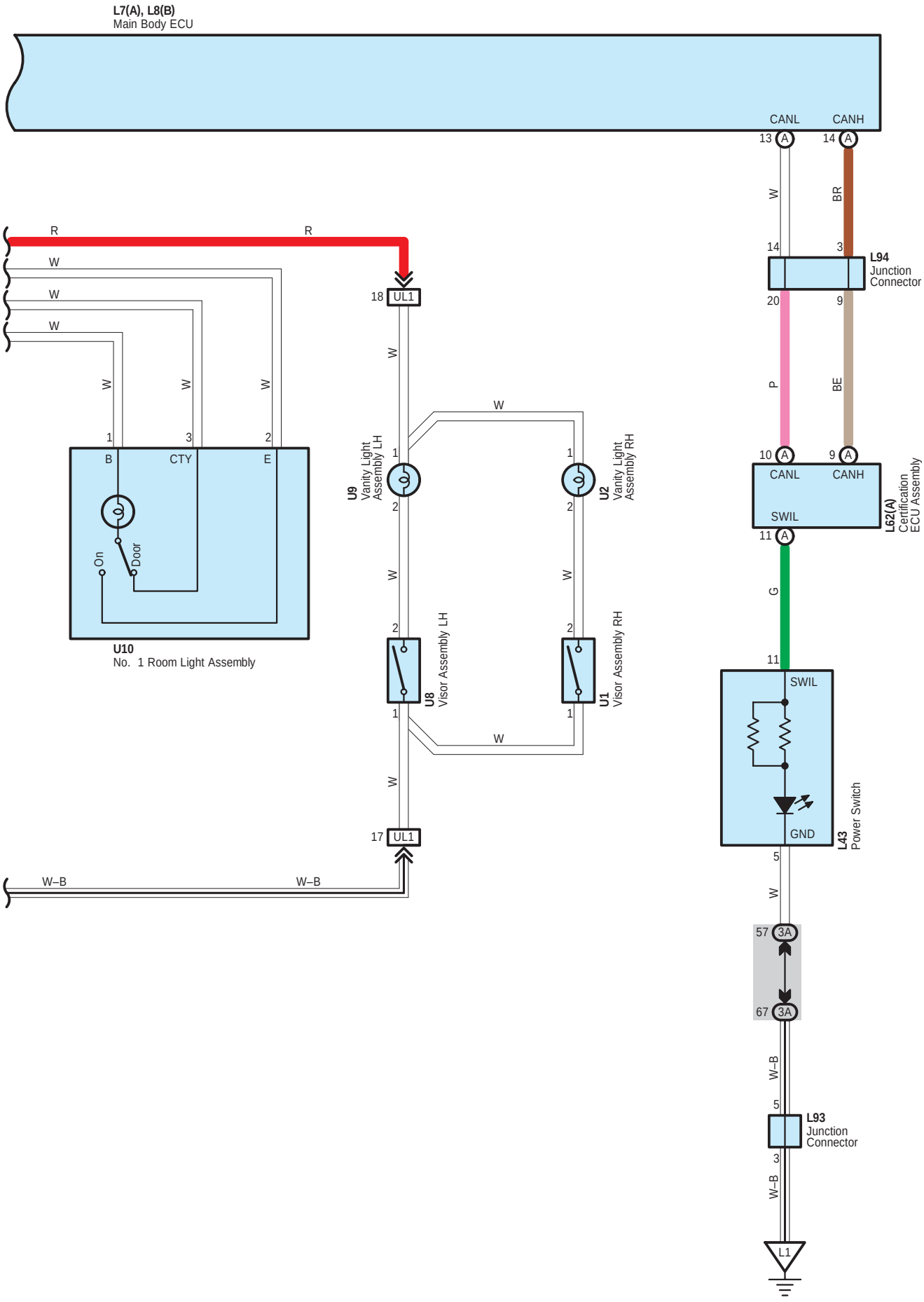

(BAT)
7. 5A
ECU–B
2
1
(BAT)
25A
DOOR
NO. 1
(IG)
10A
ECU–IG
NO. 1
(ACC)
10A
ECU–
ACC
L7(A), L8(B)
Main Body ECU
ACC
IG
ALTB
BECU
GND2
GND1
29
32
31
30
3
B
11
18
2C
6
2B
Y
W–B
W–B
65
3A
64
3A
W–B
L93
Junction
Connector
4
3
W–B
L92
Junction
Connector
3
7
W–B
L1
L3


L7(A), L8(B)
Main Body ECU
FSPT
BCTY
(BAT)
10A
DOME
L77
No. 1 Interior Illumination
Light Assembly LH
L1
No. 1 Interior Illumination
Light Assembly RH
R30
Diode
(Back Door Courtesy Light)
R16
No. 2 Room Light Assembly
R28(A), R29(B)
Junction
Connector
R18
Back Door Lock Assembly
R31
Junction
Connector
Courtesy
LR1
R1
∗1 : w/ No. 1 Interior Illumination Light Assembly

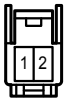


When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

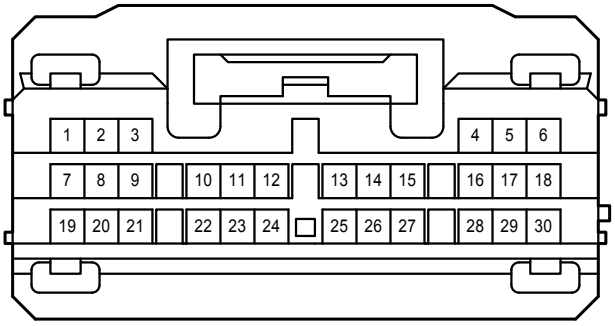

L7(A), L8(B)
Main Body ECU
ILE
1
52 2A
* 2 : w/ Sliding Roof
* 3 : w/o Sliding Roof
R
W
W
W
W
W
W
17 A
21 B
12 A
14 B
19 A (*3)
23 B (*2)
L
E
DCTY
B
Door
Off
On
Front Map Light Switch LH
Front Map Light Switch RH
78 3B
18 3B
CTY
+B1
GND1
11 A
13 B
20 A
24 B
1 A (*3)
9 B (*2)
U3(A), U13(B)
Map Light Assembly
L
L
R
W–B
8 UL1
9 UL1
7 UL1
L
R
W–B
17 3B
19 3B
W–B
67 3A
R
R
W–B
5
L93
Junction Connector
3
W–B
L1


L7(A), L8(B)
Main Body ECU
CANL
CANH
13 A
14 A
W
BR
14
3
L94
Junction
Connector
20
9
P
BE
10 A
9 A
CANL
CANH
SWIL
L62(A)
Certification
ECU Assembly
11 A
G
11
SWIL
GND
L43
Power Switch
5
W
57 3A
67 3A
W–B
5
L93
Junction
Connector
3
W–B
L1
R
R
W
W
W
W
W
W
1
3
2
B
CTY
E
On
Door
U10
No. 1 Room Light Assembly
18 UL1
W
W
U9
Vanity Light
Assembly LH
1
2
U2
Vanity Light
Assembly RH
1
2
W
W
2
U8
Visor Assembly LH
1
2
U1
Visor Assembly RH
1
W
W
17 UL1
W–B
W–B

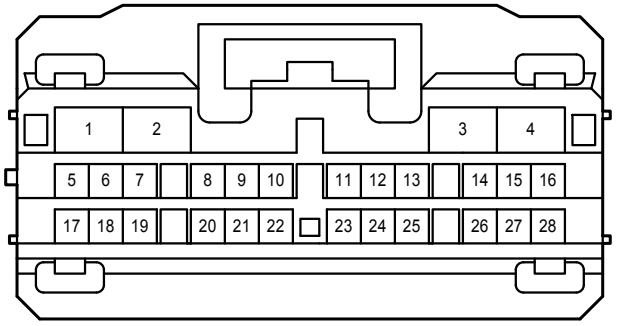
L 1
White



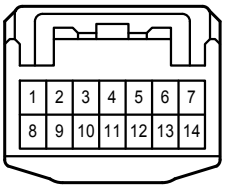
L 7
White



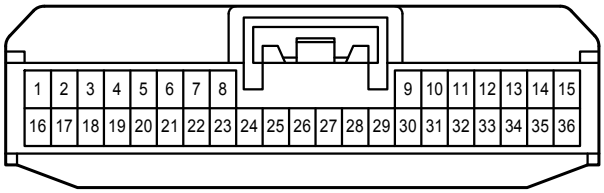
L 8
White



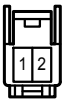
L 43
Black



L 62
White



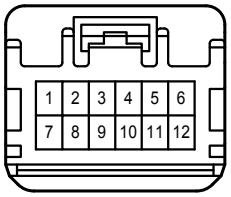
L 77
Black



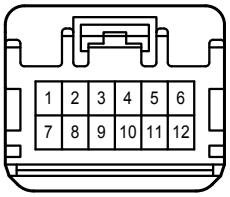
L 90
Black

L 91
Black

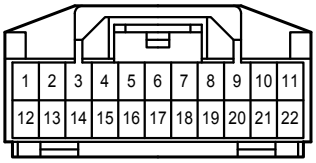
L 92
White



L 93
White



L 94
White



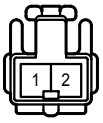
N 10
White

O 10
White

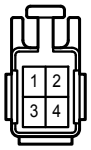
R 6
Black

R 13
Black

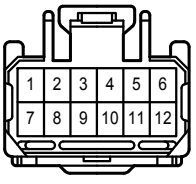
R 16
White



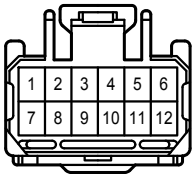
R 18
White



R 28
White

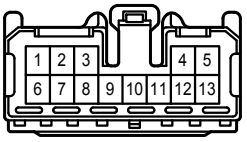


R 29
White



R 30
Black

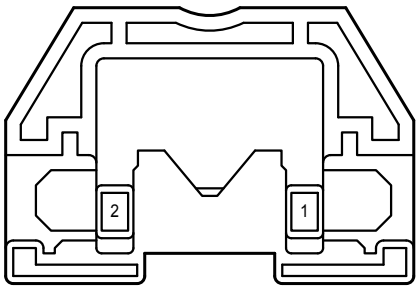
R 31
White



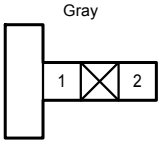
S 5
Black

S 10
Black

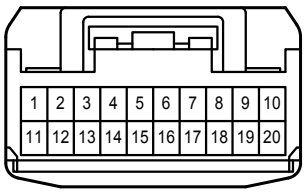
U 1
White



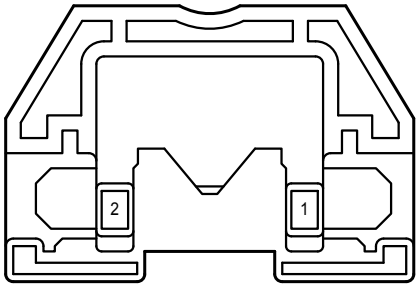
U 2
Gray



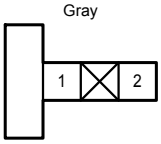
U 3
White



U 8
White

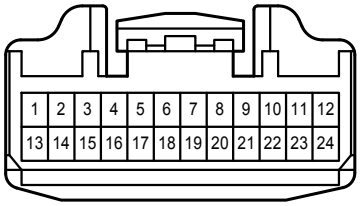


U 9
Gray

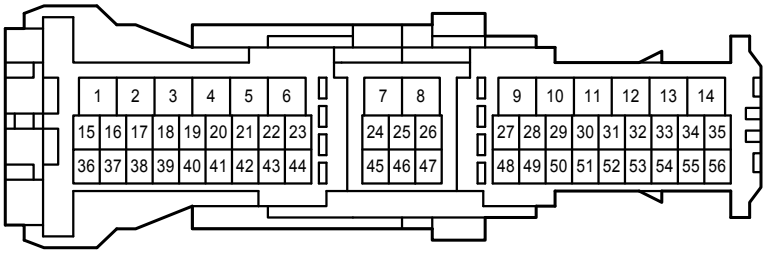


U 10
Gray

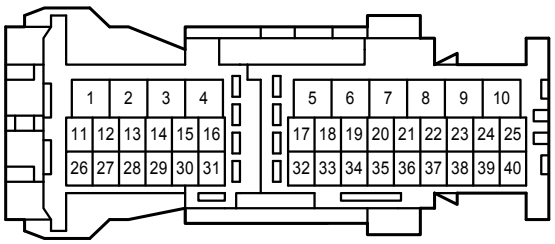
U 13
White



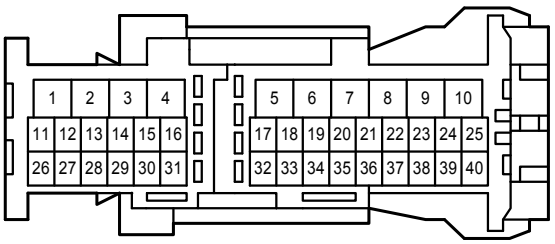
2A
White



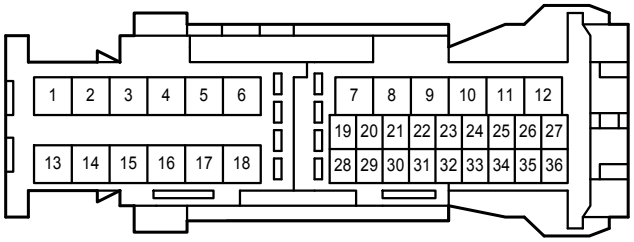
2B
White



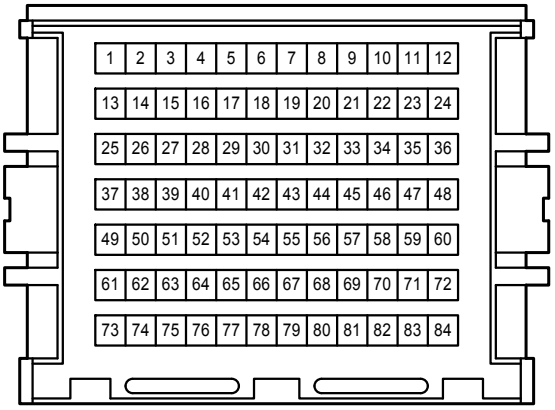
2C
White



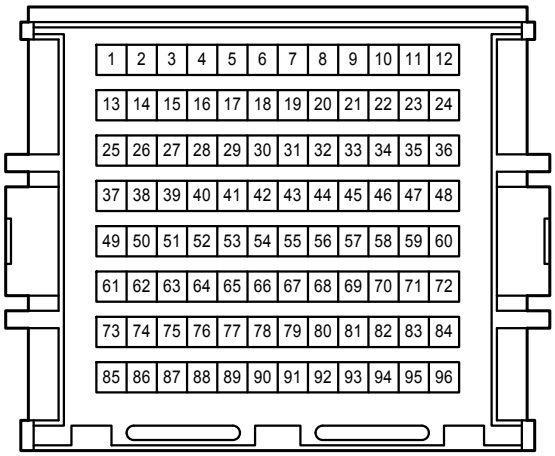
2D
White



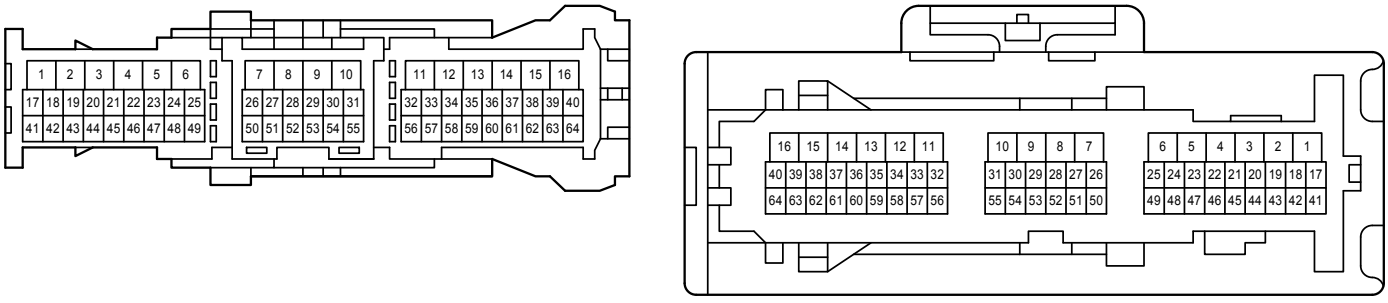
3A
White



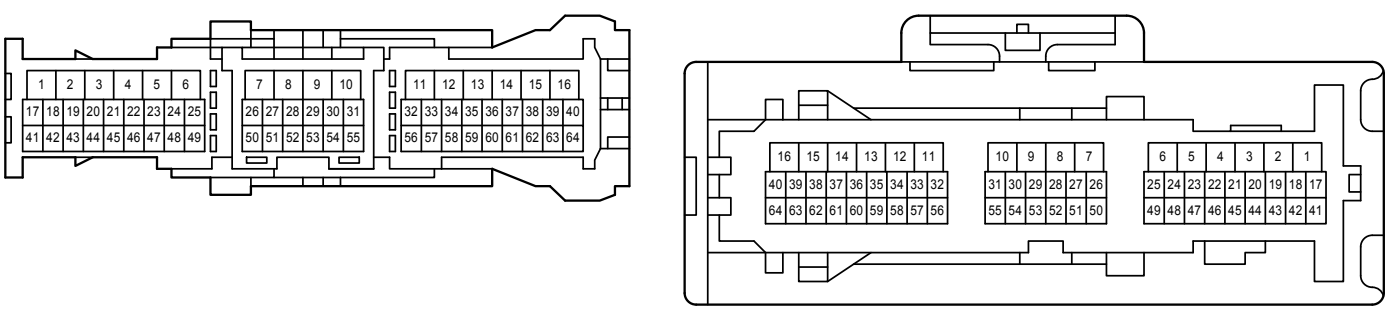
3B
White



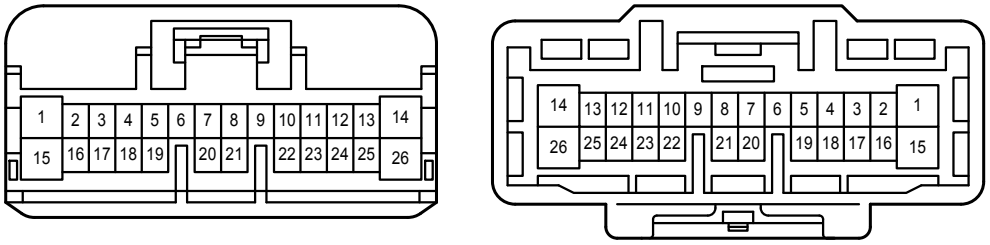
LR1
White



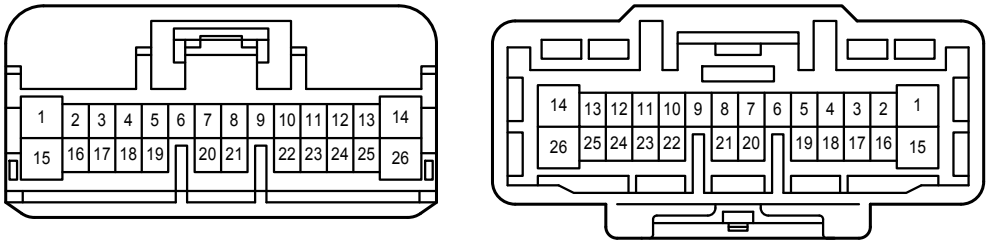
LS1
White



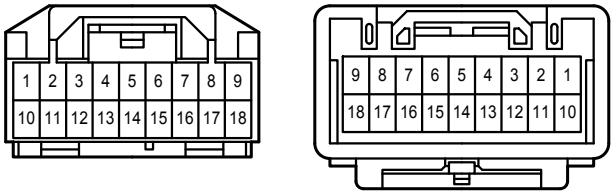
NL1
White

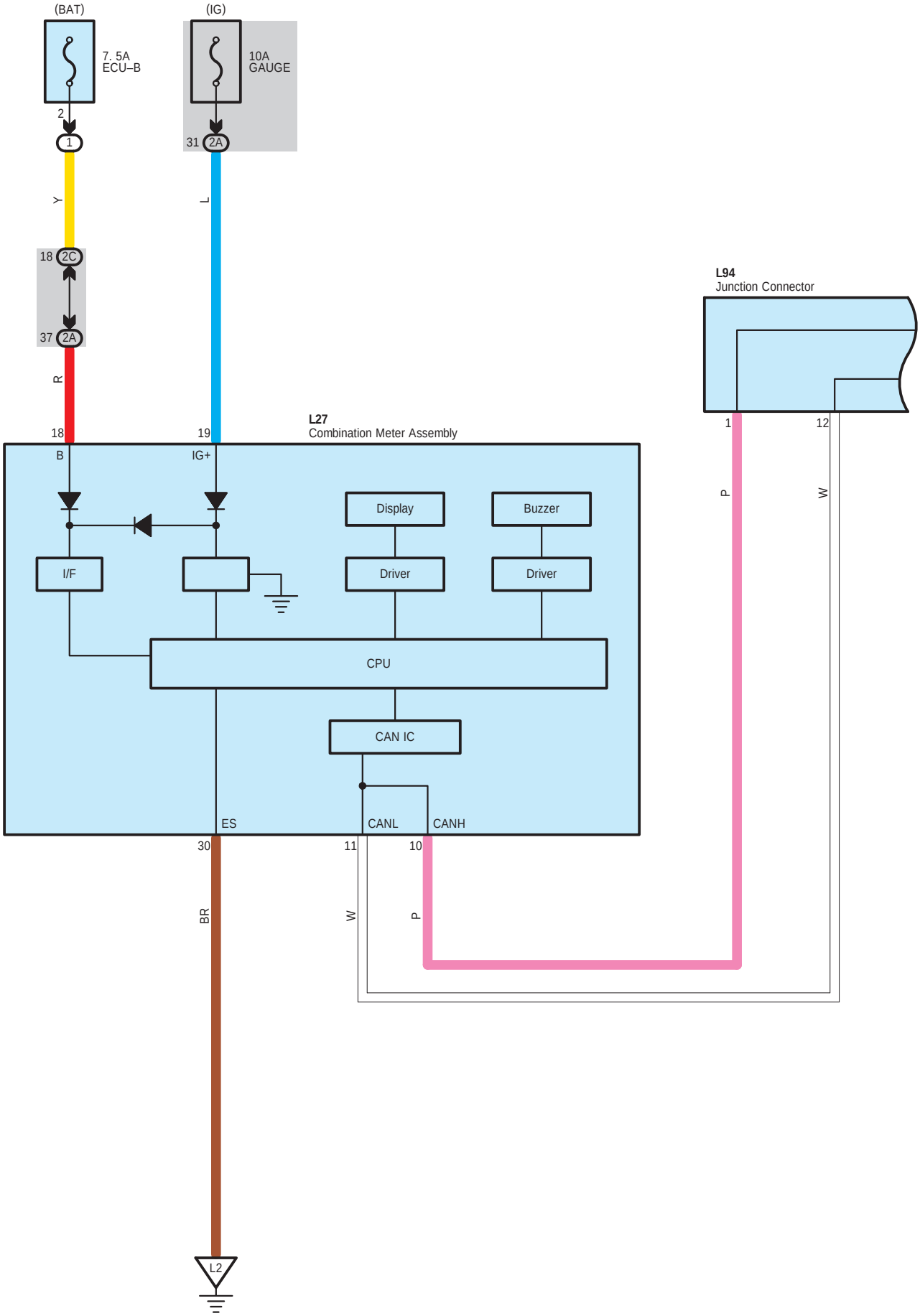


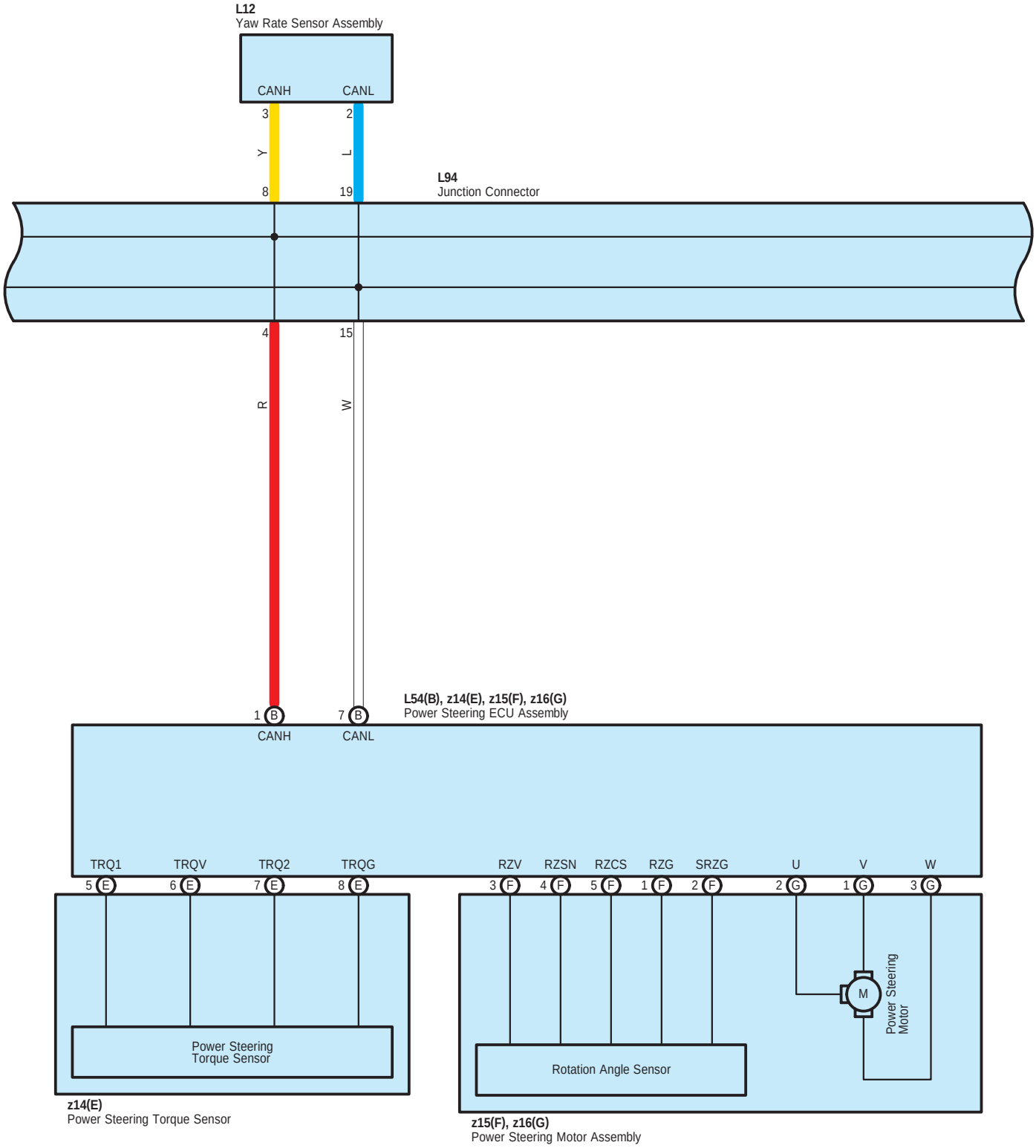
OL1
White

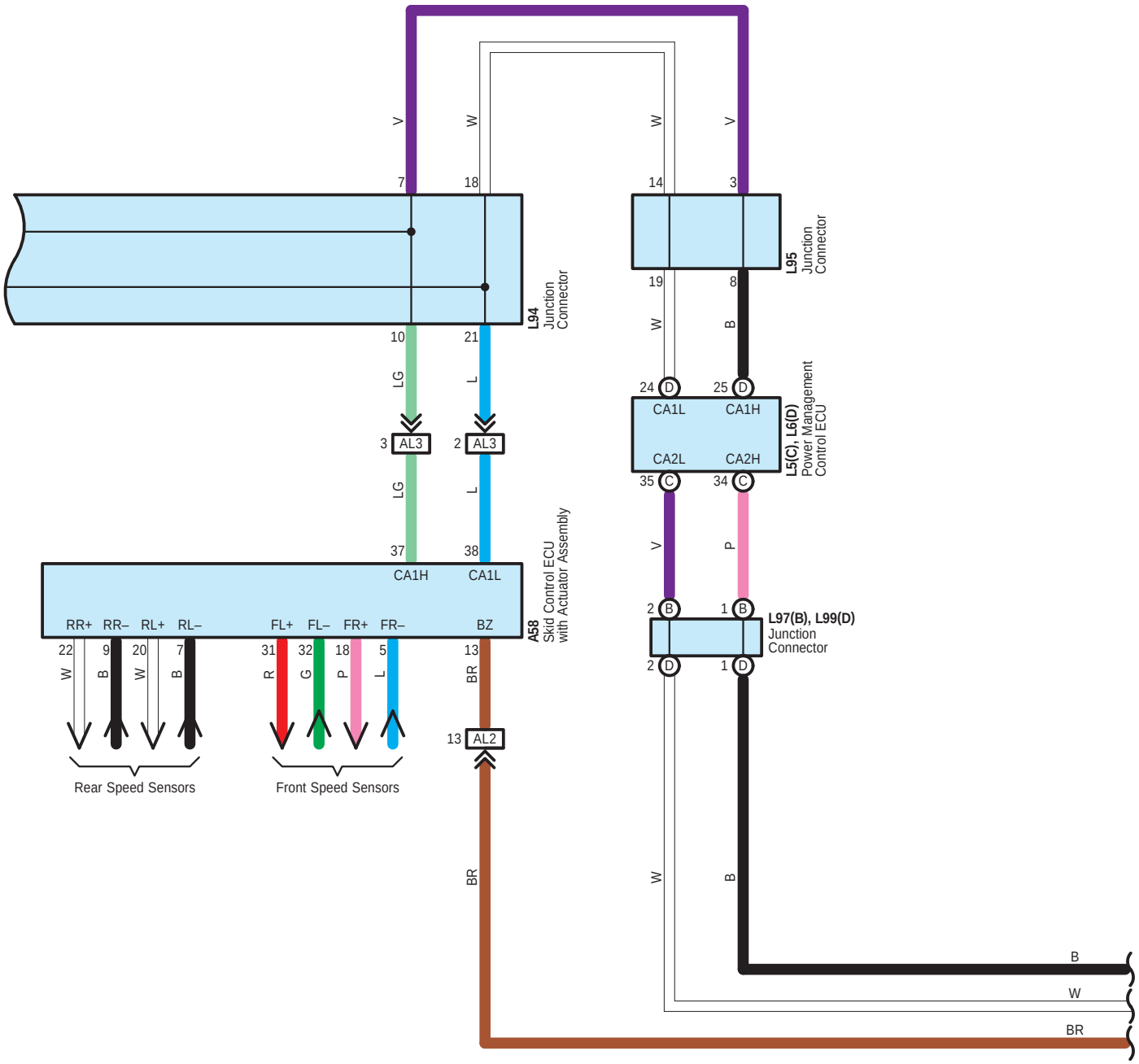


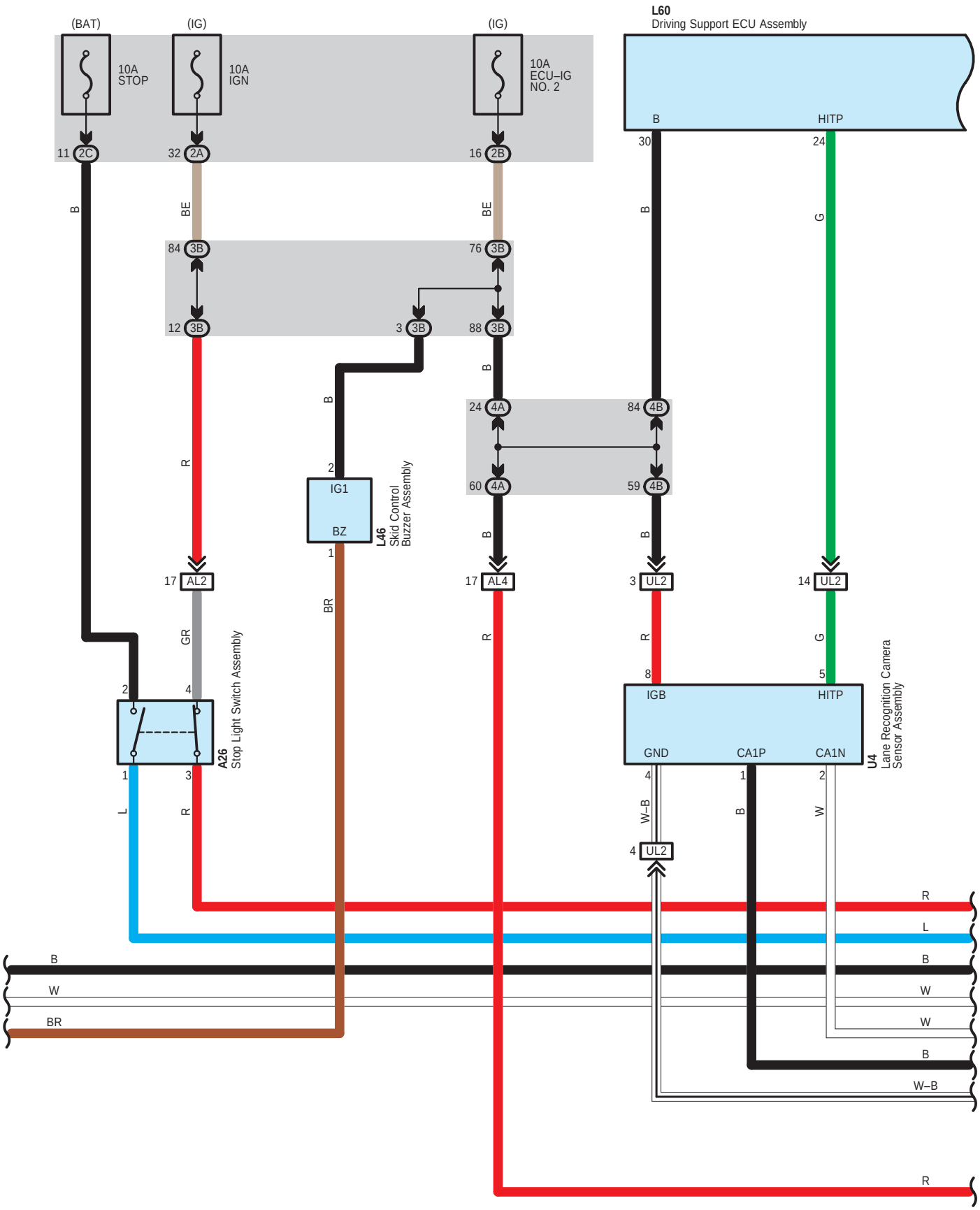
UL1
Gray

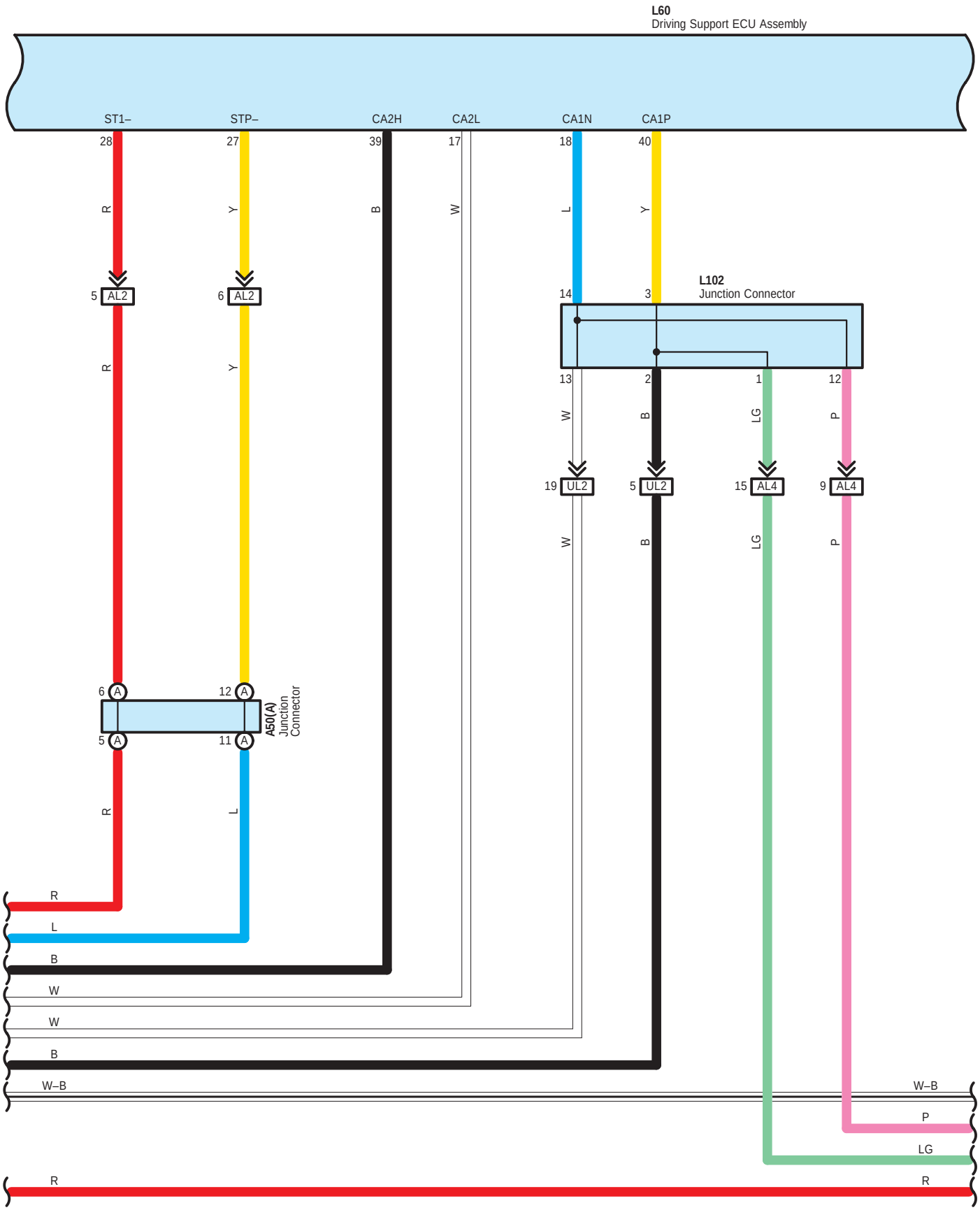


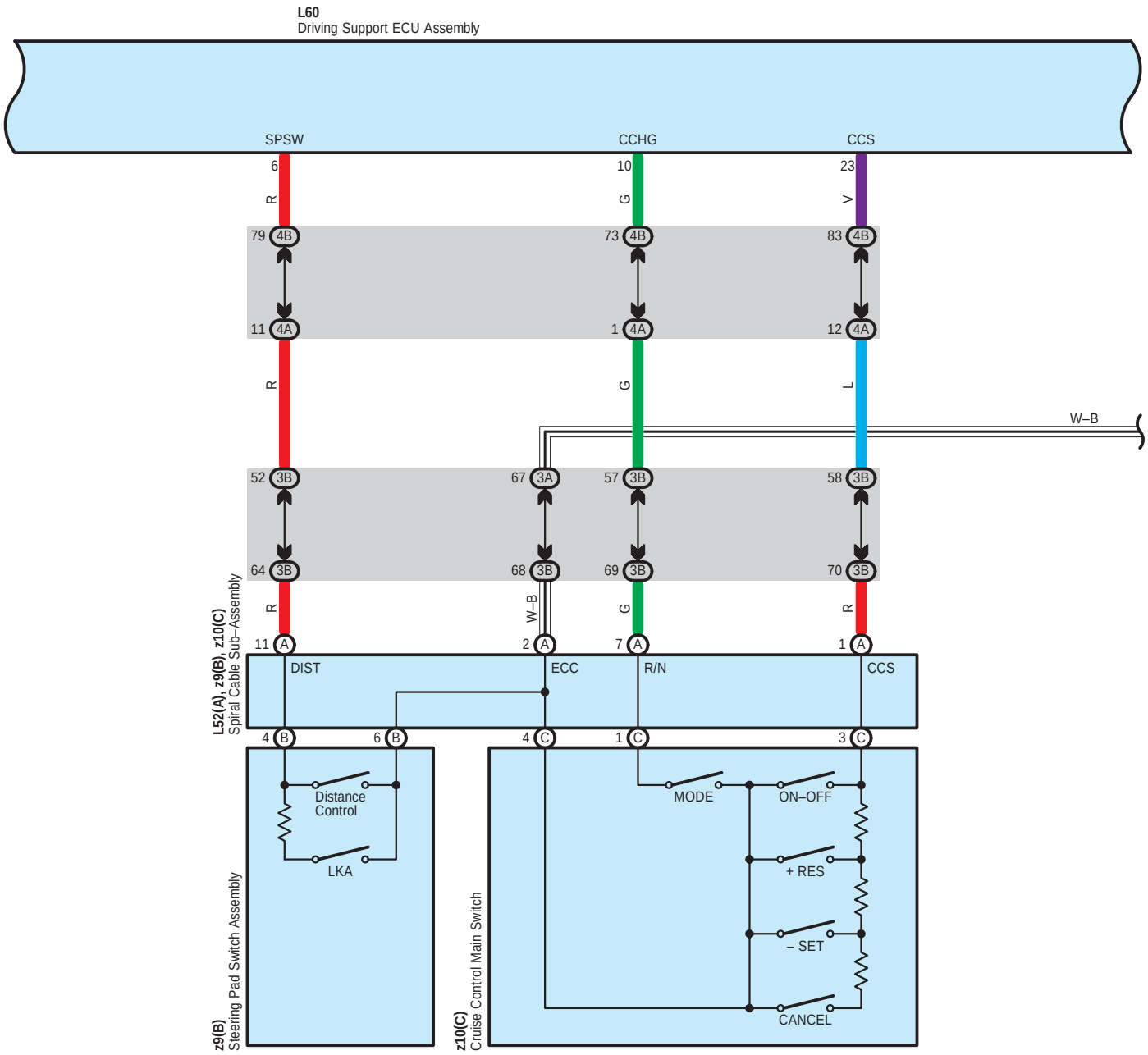

(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
L94
Junction Connector
1
12
P
W
18
19
L27
Combination Meter Assembly
B
IG+
Display
Buzzer
I/F
Driver
Driver
CPU
CAN IC
ES
CANL
CANH
30
11
10
BR
W
P
L2

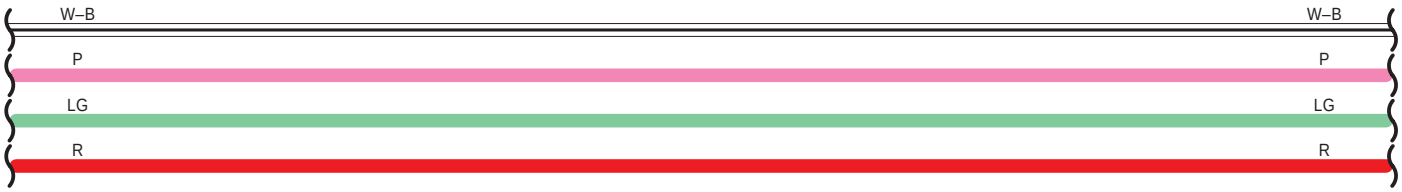

L12
Yaw Rate Sensor Assembly
CANH
CANL
3
2
Y
L
8
19
L94
Junction Connector
4
15
R
W
1 B
7 B
CANH
CANL
L54(B), z14(E), z15(F), z16(G)
Power Steering ECU Assembly
TRQ1
TRQV
TRQ2
TRQG
5 E
6 E
7 E
8 E
RZV
RZSN
RZCS
RZG
SRZG
U
V
W
3 F
4 F
5 F
1 F
2 F
2 G
1 G
3 G
M
Power Steering Motor
Power Steering Torque Sensor
Rotation Angle Sensor
z14(E)
Power Steering Torque Sensor
z15(F), z16(G)
Power Steering Motor Assembly

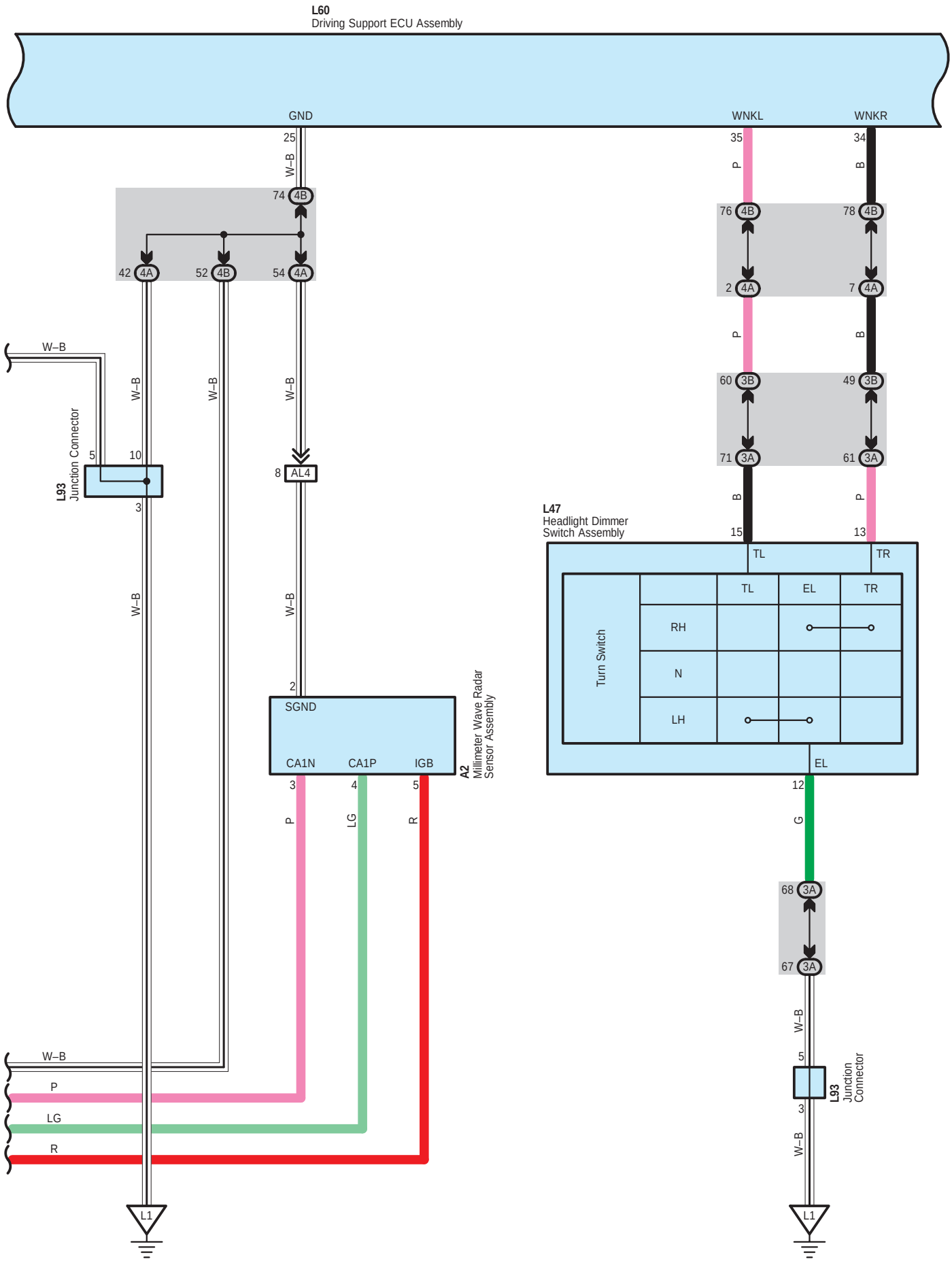

V
W
W
V
7
18
14
3
L94
Junction
Connector
L95
Junction
Connector
19
8
W
B
24 D
25 D
CA1L
CA1H
CA2L
CA2H
L5(C), L6(D)
Power Management
Control ECU
35 C
34 C
10
21
LG
L
3 AL3
2 AL3
LG
L
V
P
37
38
CA1H
CA1L
A58
Skid Control ECU
with Actuator Assembly
2 B
1 B
L97(B), L99(D)
Junction
Connector
2 D
1 D
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
BZ
22
9
20
7
31
32
18
5
13
W
B
W
B
R
G
P
L
BR
13 AL2
Rear Speed Sensors
Front Speed Sensors
BR
W
B
B
W
BR

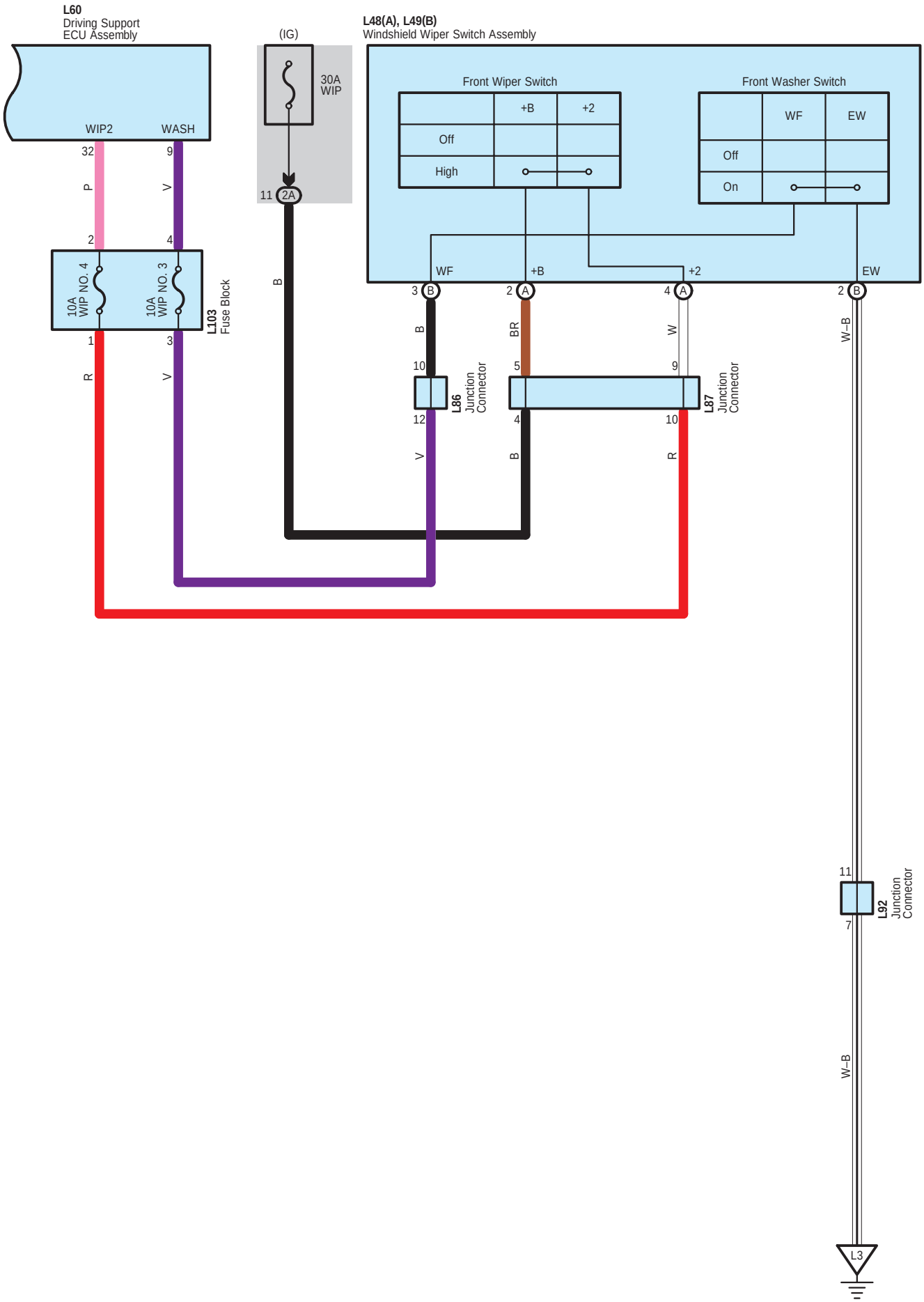

(BAT)
(IG)
(IG)
10A
STOP
10A
IGN
10A
ECU–IG
NO. 2
L60
Driving Support ECU Assembly
B
HITP
11 2C
32 2A
16 2B
30
24
84 3B
76 3B
12 3B
3 3B
88 3B
24 4A
84 4B
60 4A
59 4B
17 AL2
17 AL4
3 UL2
14 UL2
IG1
BZ
L46
Skid Control
Buzzer Assembly
A26
Stop Light Switch Assembly
IGB
HITP
GND
CA1P
CA1N
U4
Lane Recognition Camera
Sensor Assembly
4 UL2
BE
R
GR
BR
L
W–B
W
G


L60
Driving Support ECU Assembly
ST1–
STP–
CA2H
CA2L
CA1N
CA1P
28
27
39
17
18
40
R
Y
B
W
L
Y
5 AL2
6 AL2
L102
Junction Connector
14
3
13
2
1
12
W
B
LG
P
19 UL2
5 UL2
15 AL4
9 AL4
6 A
12 A
5 A
11 A
A50(A)
Junction
Connector
R
L
R
L
B
W
W
B
W–B
W–B
P
LG
R
R

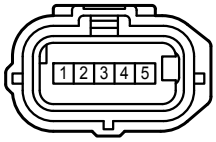

L60
Driving Support ECU Assembly
SPSW
CCHG
CCS
6
R
10
G
23
V
79 4B
73 4B
83 4B
11 4A
1 4A
12 4A
R
G
L
W–B
52 3B
67 3A
57 3B
58 3B
64 3B
68 3B
69 3B
70 3B
R
W–B
G
R
11 A
2 A
7 A
1 A
DIST
ECC
R/N
CCS
L52(A), z9(B), z10(C)
Spiral Cable Sub–Assembly
4 B
6 B
4 C
1 C
3 C
Distance Control
LKA
MODE
ON–OFF
+ RES
– SET
CANCEL
z9(B)
Steering Pad Switch Assembly
z10(C)
Cruise Control Main Switch


W–B
W–B
P
P
LG
LG
R
R

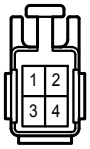

L60
Driving Support ECU Assembly
GND
WNKL
WNKR
25
W–B
74 4B
42 4A
52 4B
54 4A
35
P
34
B
76 4B
78 4B
2 4A
7 4A
P
B
60 3B
49 3B
71 3A
61 3A
B
P
15
13
L47
Headlight Dimmer
Switch Assembly
TL
TR
Turn Switch
TL
EL
TR
RH
N
LH
EL
12
G
68 3A
67 3A
W–B
5
L93
Junction
Connector
3
W–B
L1
W–B
5
10
3
L93
Junction Connector
W–B
W–B
W–B
8 AL4
W–B
2
SGND
CA1N
CA1P
IGB
A2
Millimeter Wave Radar
Sensor Assembly
3
4
5
P
LG
R
W–B
P
LG
R
L1


L60
Driving Support
ECU Assembly
WIP2
WASH
32
9
P
V
2
4
10A
WIP NO. 4
10A
WIP NO. 3
L103
Fuse Block
1
3
R
V
(IG)
30A
WIP
11
2A
B
L48(A), L49(B)
Windshield Wiper Switch Assembly
Front Wiper Switch
+B
+2
Off
High
Front Washer Switch
WF
EW
Off
On
WF
+B
+2
EW
3
B
2
A
4
A
2
B
B
BR
W
W–B
10
5
9
L86
Junction
Connector
L87
Junction
Connector
12
4
10
V
B
R
11
L92
Junction
Connector
7
W–B
L3

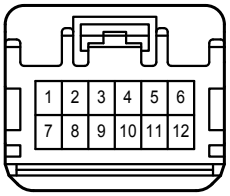
A 2
Black



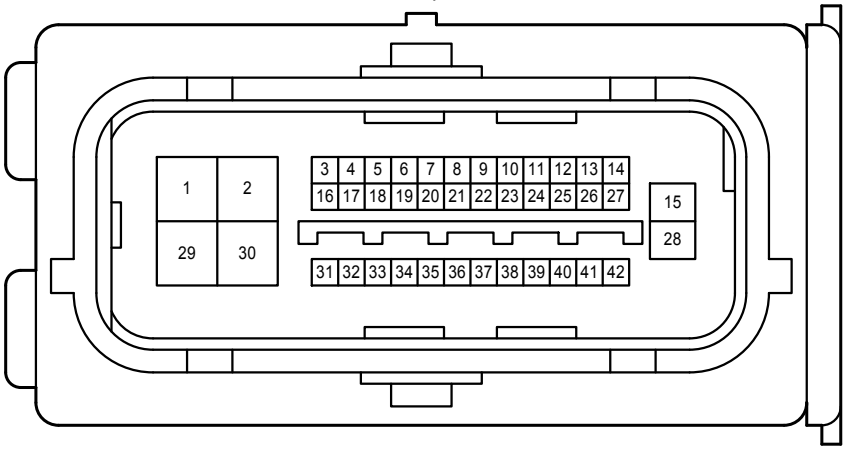
A 26
White



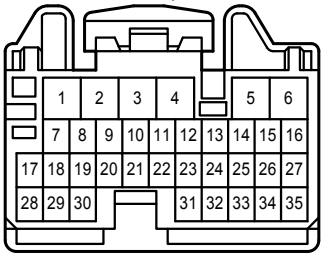
A 50
White



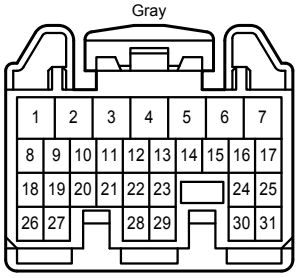
A 58
Gray



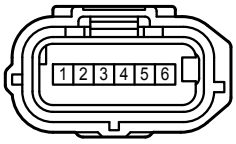
L 5
Gray



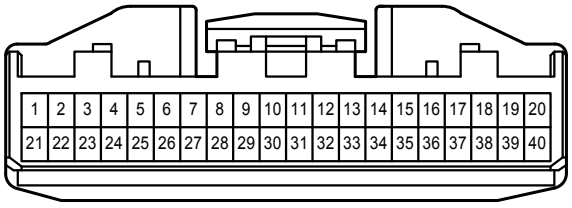
L 6
Gray



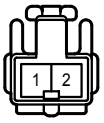
L 12
Black



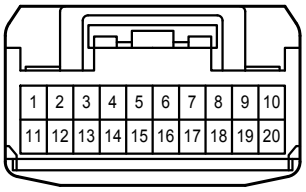
L 27
White



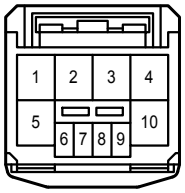
L 46
Blue



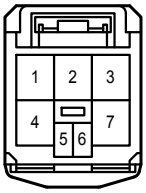
L 47
White



L 48
White

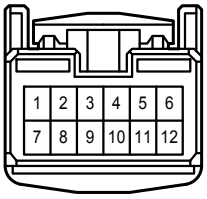


L 49
White

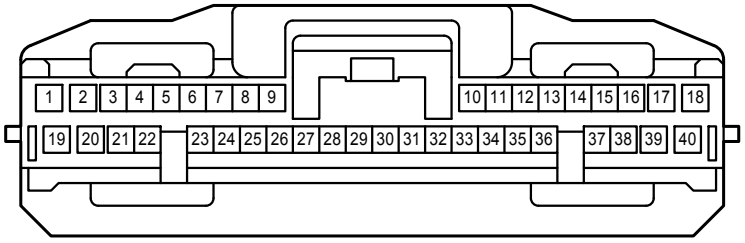


L 52
Black

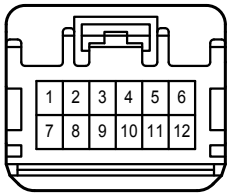
L 54
White



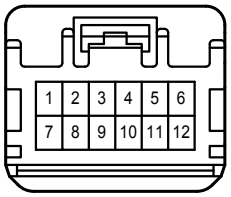
L 60
White



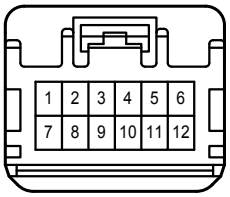
L 86
Black



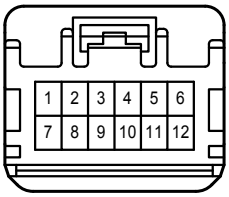
L 87
Black



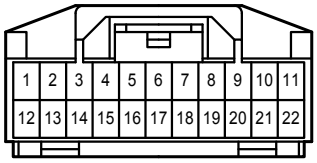
L 92
White



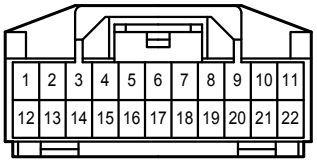
L 93
White



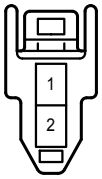
L 94
White



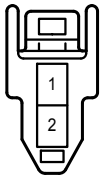
L 95
White



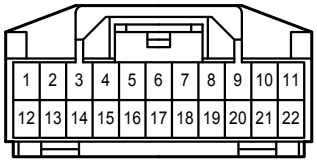
L 97
White



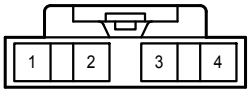
L 99
White



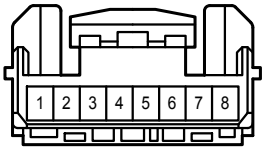
L102
Blue



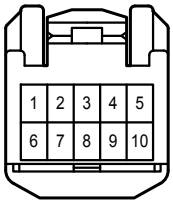
L103
White



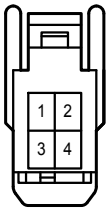
U 4
White



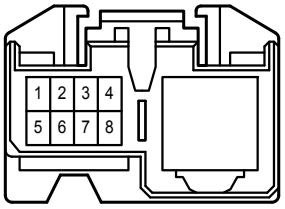
z 9
Black



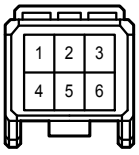
z 10
Black



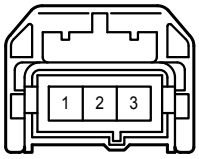
z 14
White



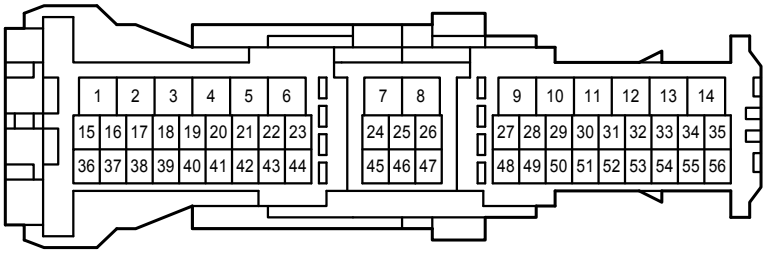
z 15
White



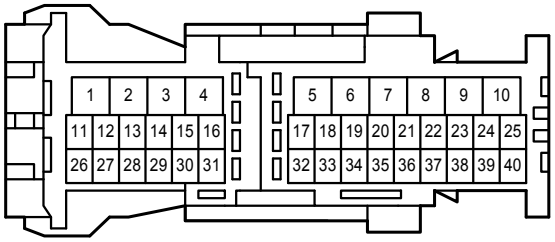
z 16
White



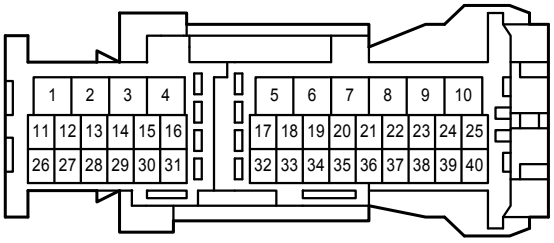
2A
White



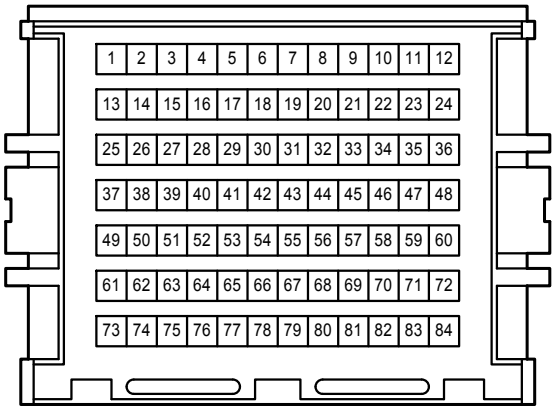
2B
White



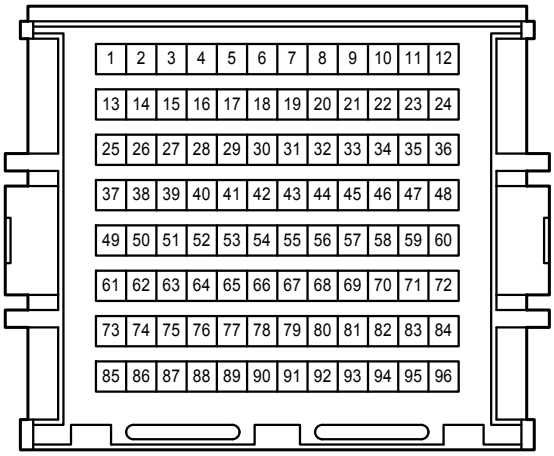
2C
White



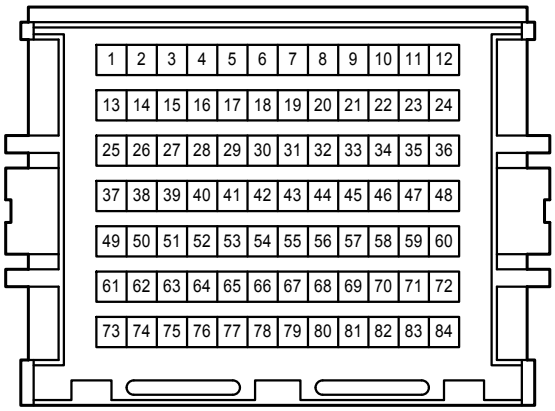
3A
White



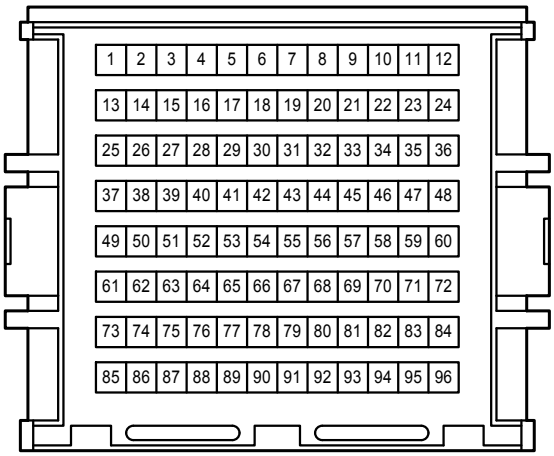
3B
White



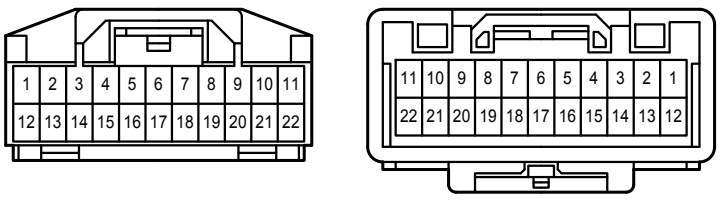
4A
White

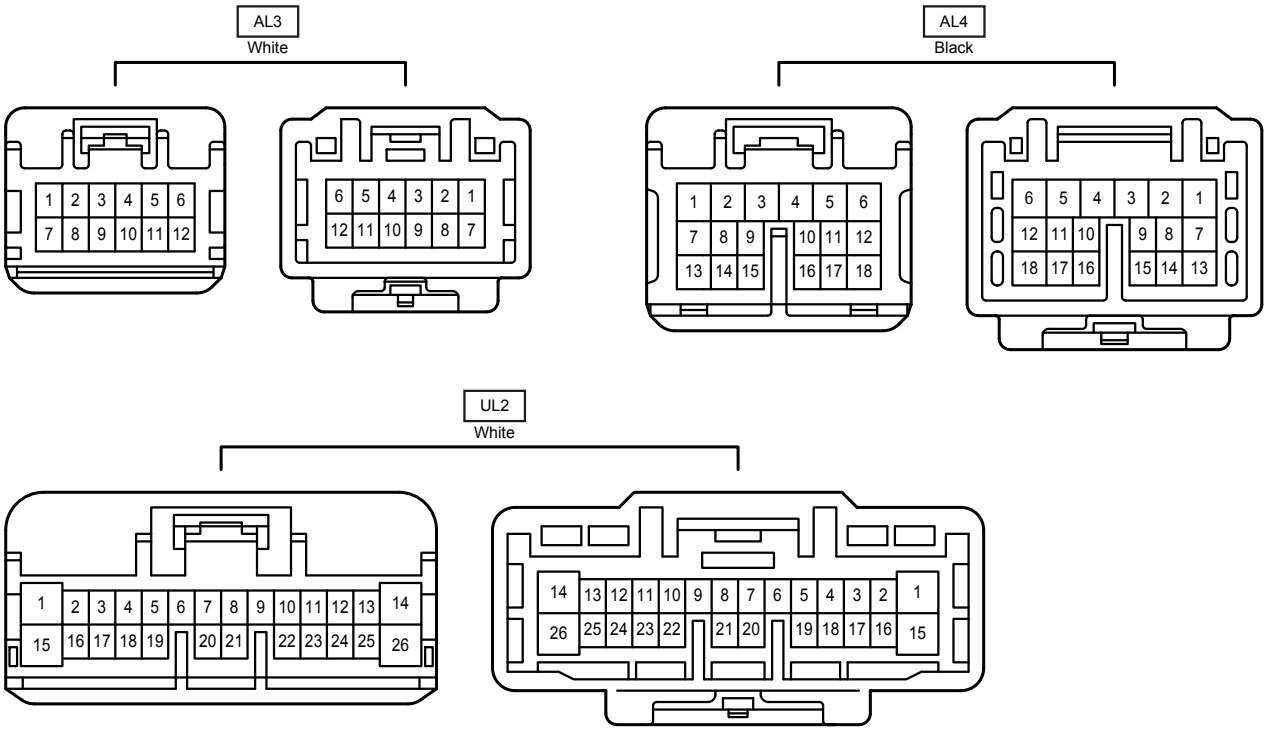


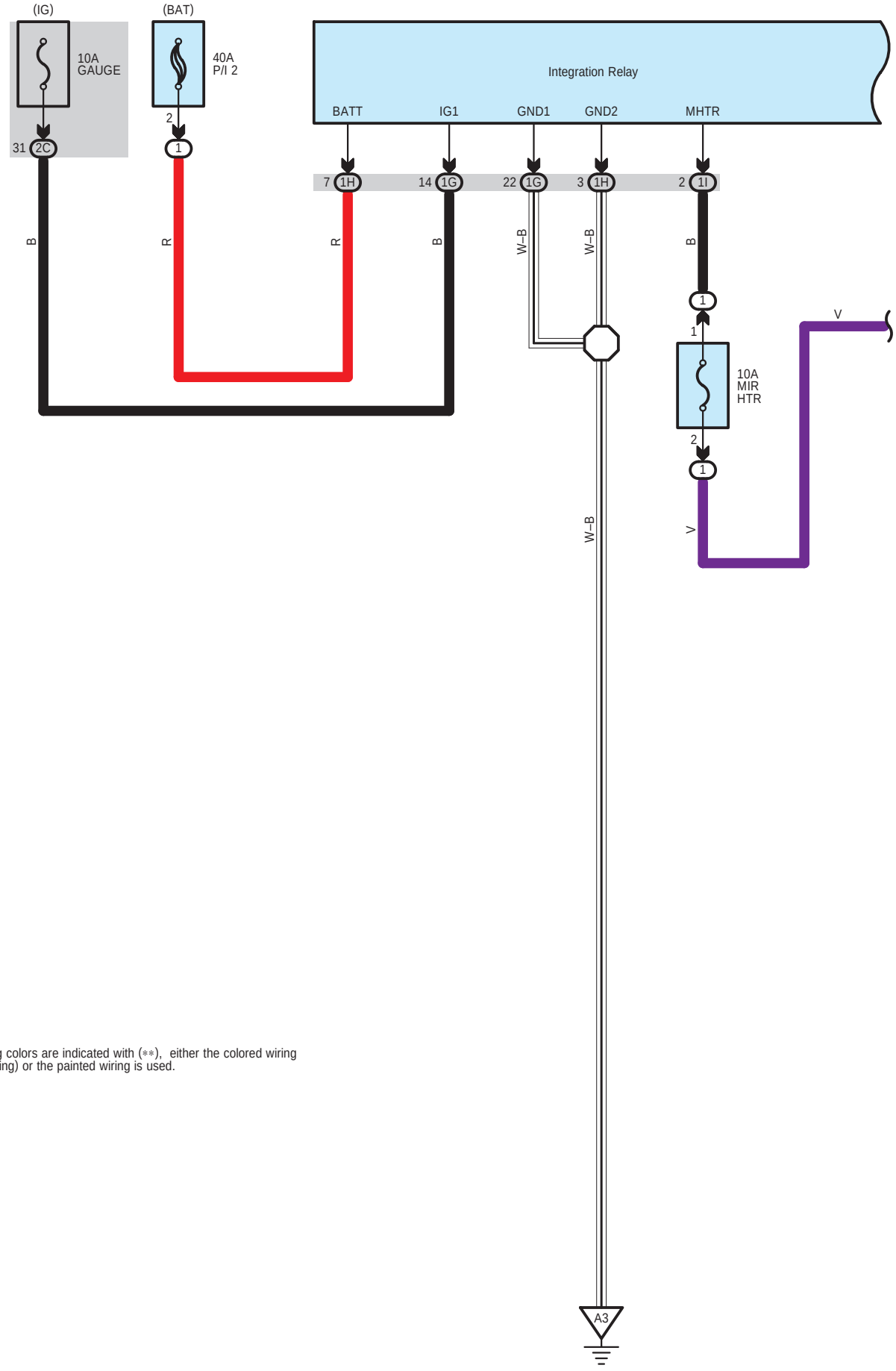
4B
White



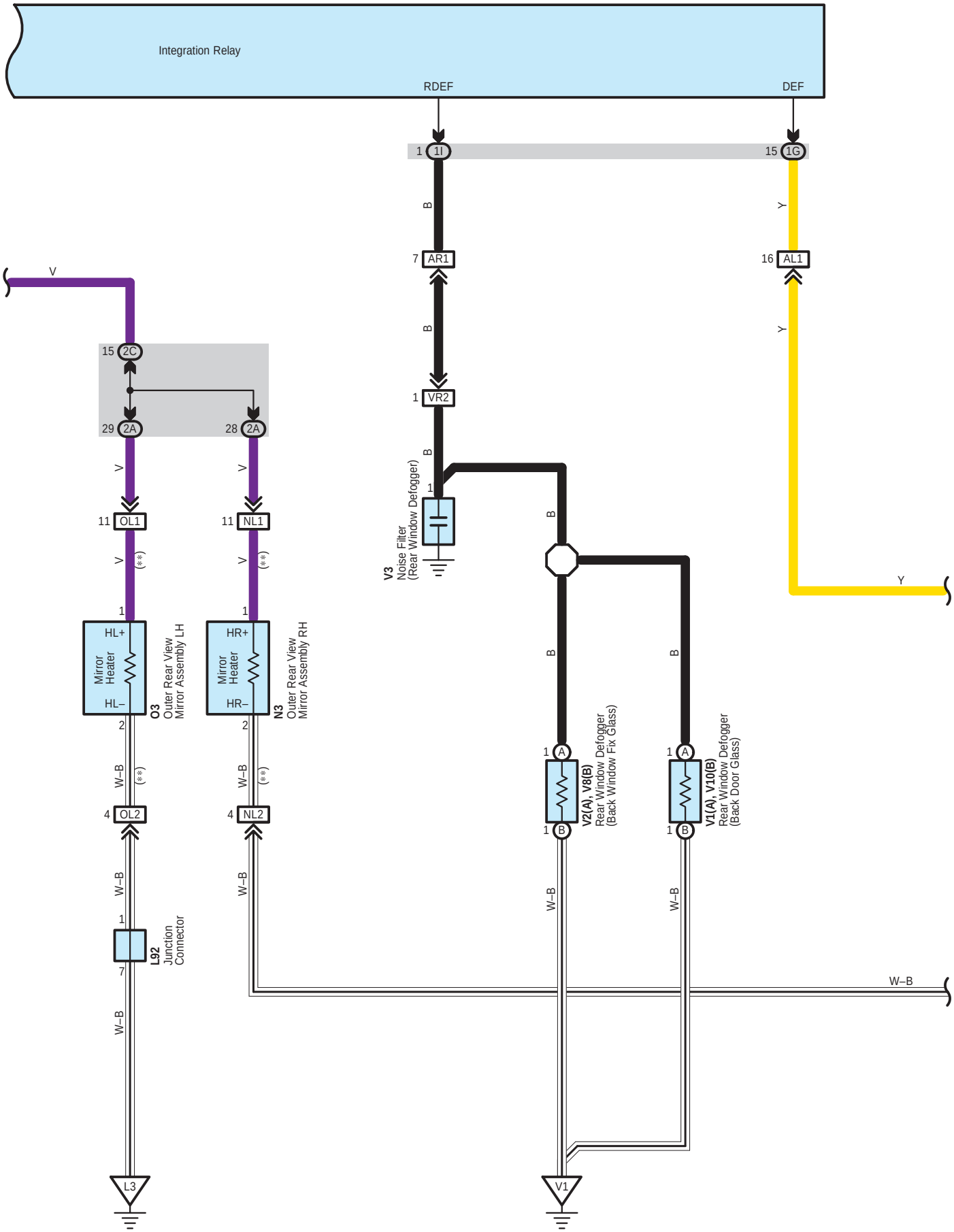
AL2
Gray

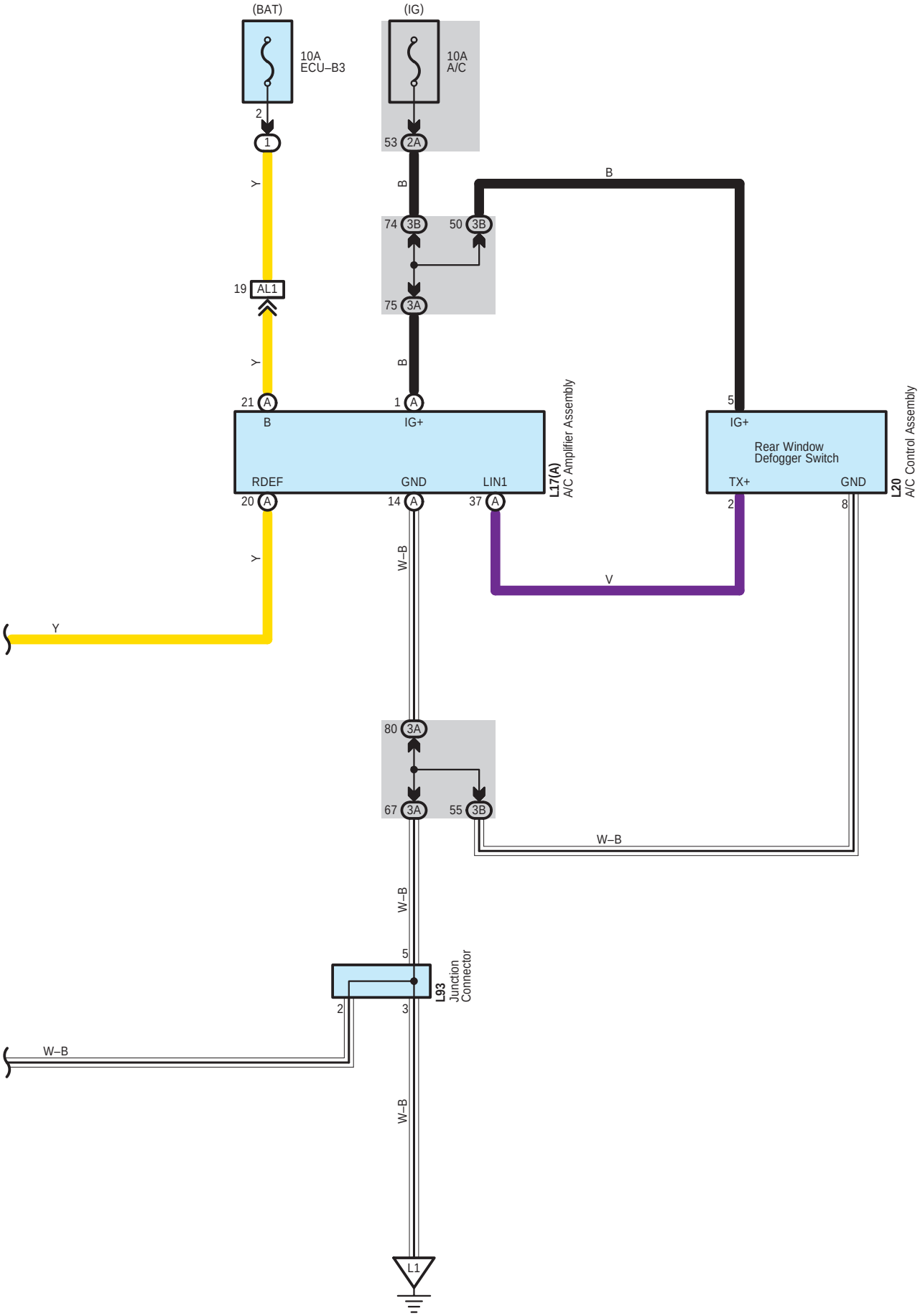



AL3
White
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7
AL4
Black
1 2 3 4 5 6
7 8 9 10 11 12
13 14 15 16 17 18
6 5 4 3 2 1
12 11 10 9 8 7
18 17 16 15 14 13
UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15

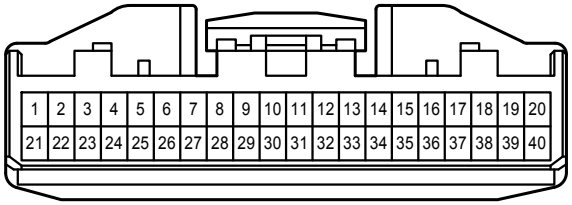


When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

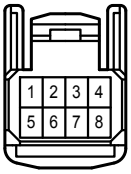

Integration Relay
RDEF
DEF
1 1I
15 1G
B
Y
7 AR1
16 AL1
B
Y
V
1 VR2
B
1
V3
Noise Filter
(Rear Window Defogger)
15 2C
29 2A
28 2A
V
V
11 OL1
11 NL1
V
V
(**)
(**)
1
1
HL+
Mirror
Heater
HL–
HR+
Mirror
Heater
HR–
O3
Outer Rear View
Mirror Assembly LH
N3
Outer Rear View
Mirror Assembly RH
2
2
W–B
W–B
(**)
(**)
4 OL2
4 NL2
W–B
W–B
1
L92
Junction
Connector
7
W–B
B
B
B
Y
W–B
1 A
1 B
V2(A), V8(B)
Rear Window Defogger
(Back Window Fix Glass)
1 A
1 B
V1(A), V10(B)
Rear Window Defogger
(Back Door Glass)
W–B
W–B
L3
V1


(BAT)
(IG)
10A
ECU–B3
10A
A/C
2
1
53
2A
Y
B
B
74
3B
50
3B
19
AL1
75
3A
Y
B
21
A
1
A
5
B
IG+
IG+
Rear Window
Defogger Switch
RDEF
GND
LIN1
TX+
GND
L17(A)
A/C Amplifier Assembly
L20
A/C Control Assembly
20
A
14
A
37
A
2
8
Y
W–B
V
Y
80
3A
67
3A
55
3B
W–B
W–B
5
L93
Junction
Connector
2
3
W–B
W–B
L1

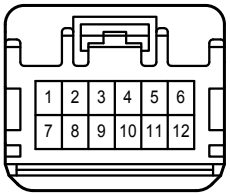
L 17
White



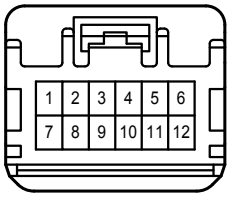
L 20
Black



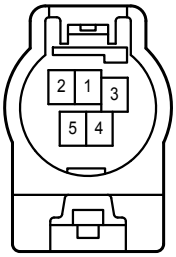
L 92
White



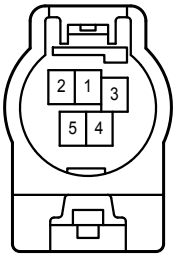
L 93
White



N 3
White



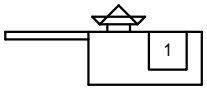
O 3
White



V 1
White

V 2
White

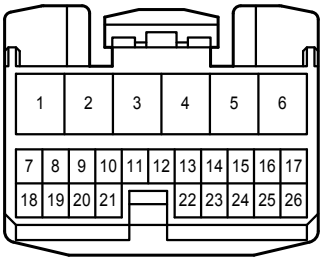
V 3
Black



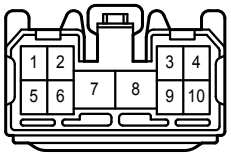
V 8
White

V 10
White

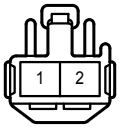
1G
White



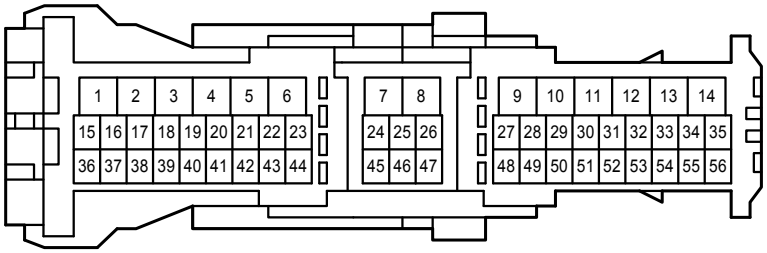
1H
White



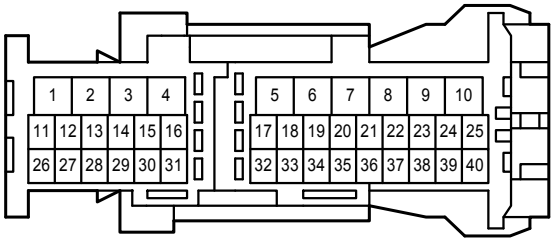
1I
White



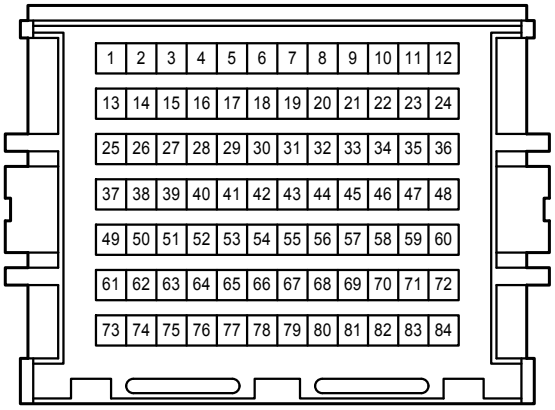
2A
White



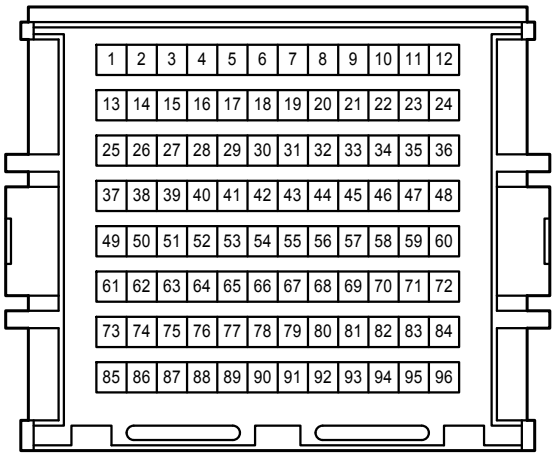
2C
White



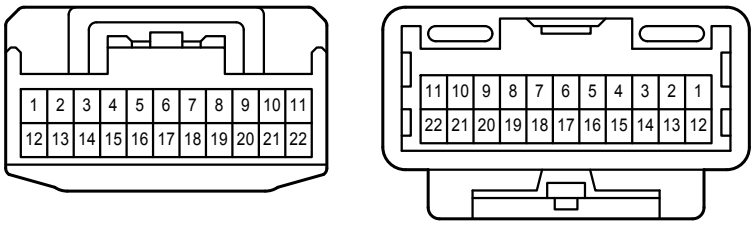
3A
White



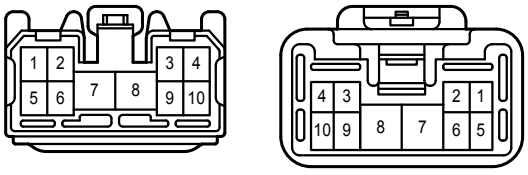
3B
White



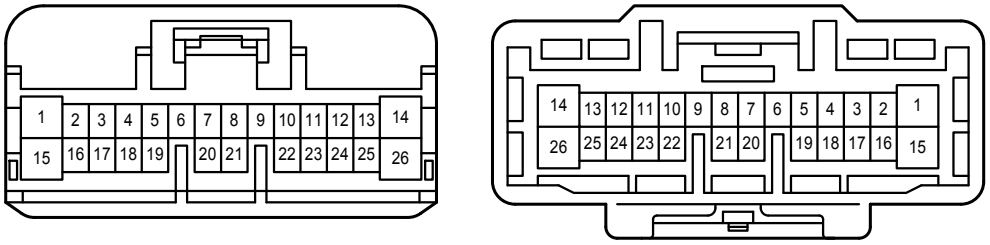
AL1
Blue



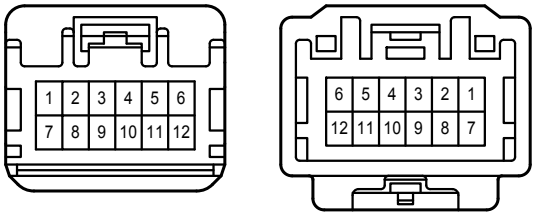
AR1
White



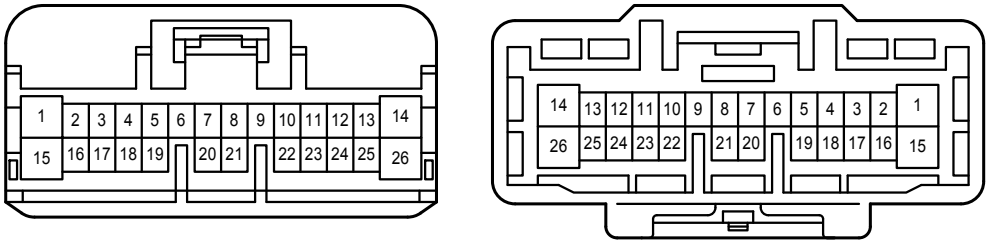
NL1
White



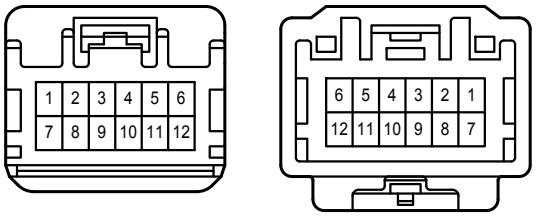
NL2
White



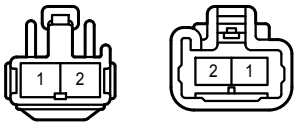
OL1
White

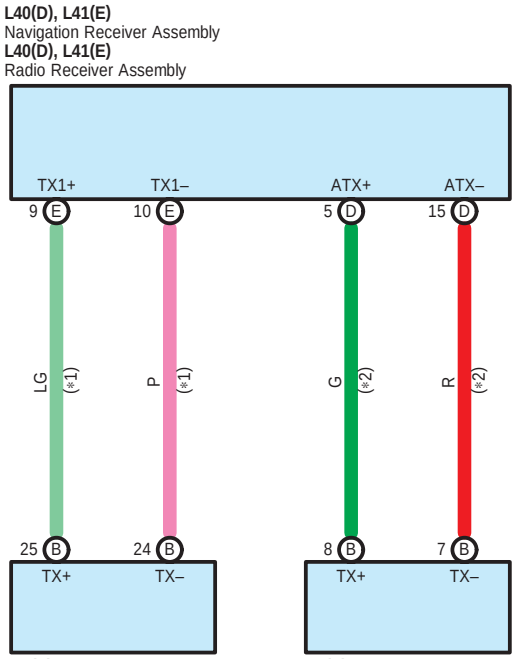


OL2
White



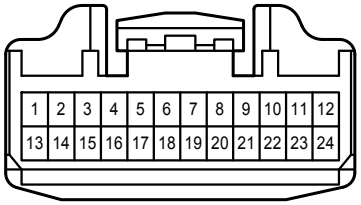
VR2
White



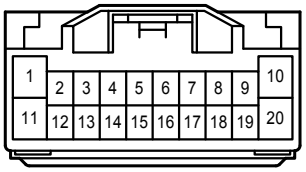


* 1 : w/ Intelligent Parking Assist
* 2 : w/ Stereo Component Amplifier

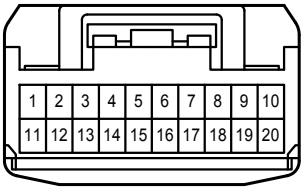
L 31
White



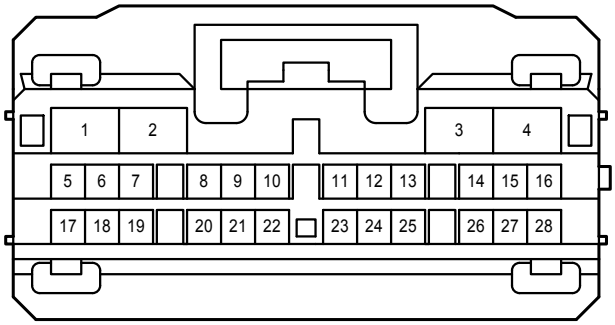
L 40
White

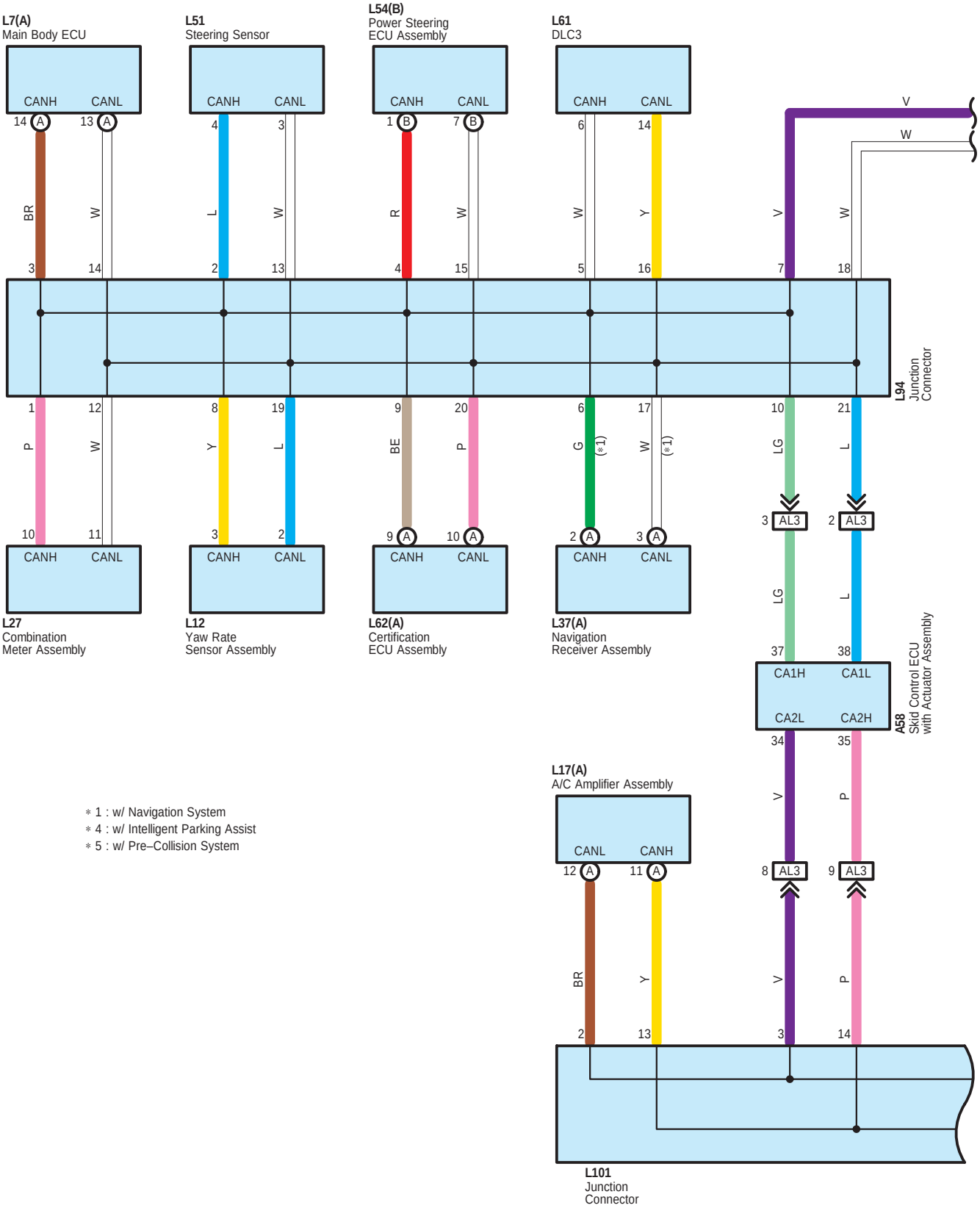


L 41
White

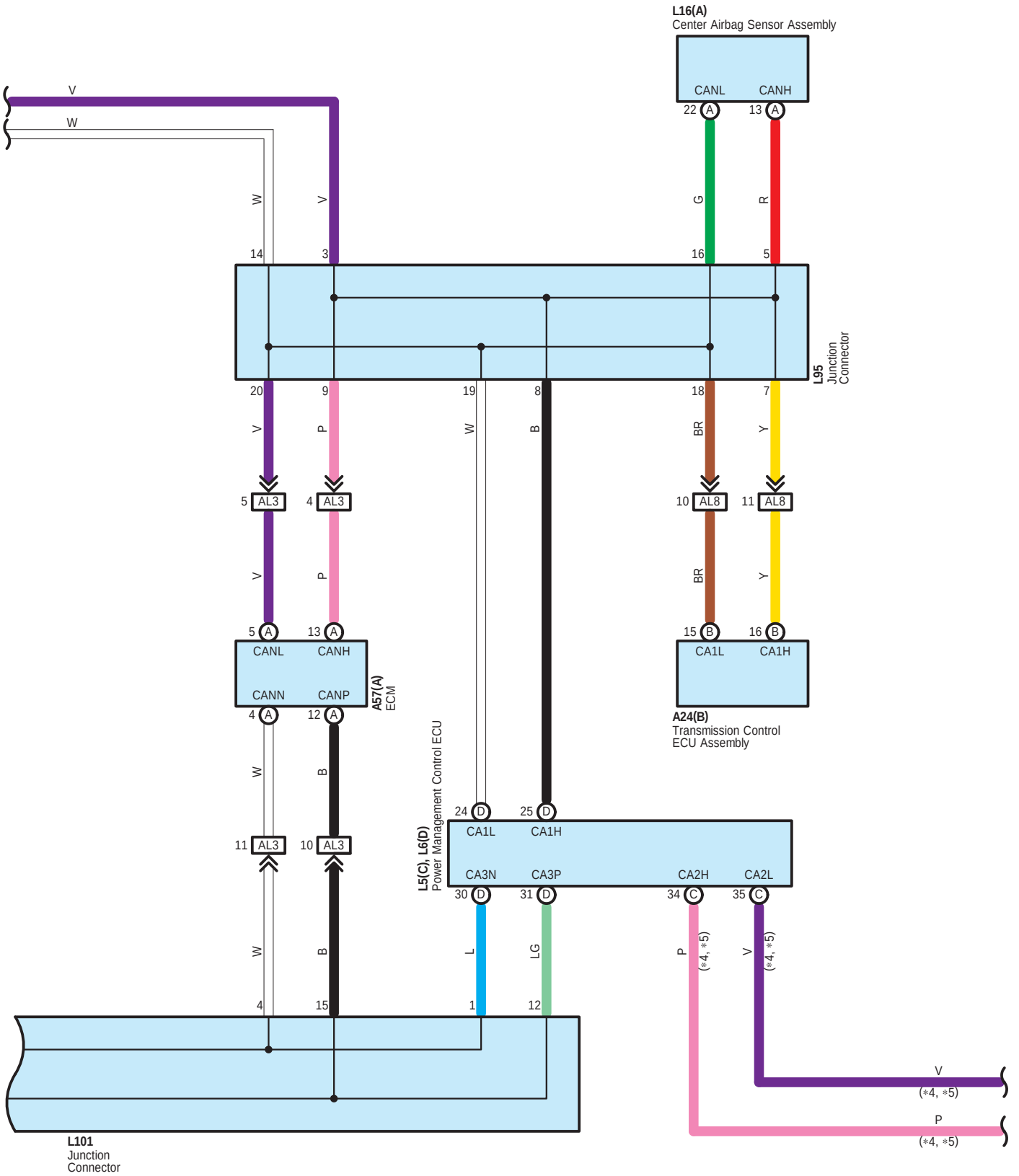


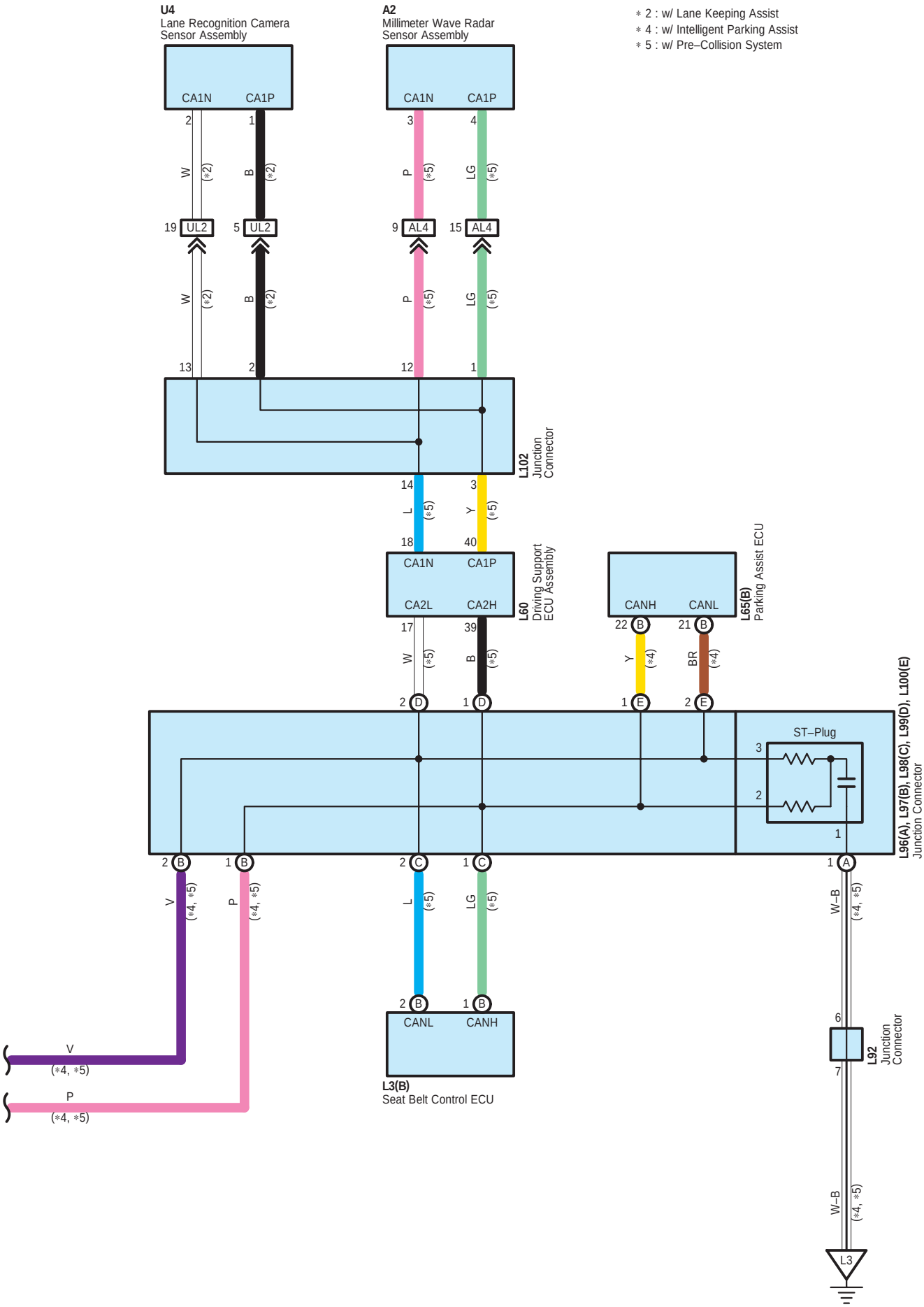
L 65
White



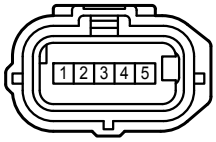


* 1 : w/ Navigation System
* 4 : w/ Intelligent Parking Assist
* 5 : w/ Pre–Collision System

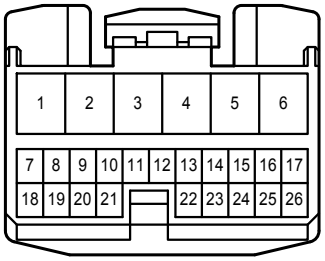

L16(A)
Center Airbag Sensor Assembly
CANL
CANH
22 A
13 A
G
R
16
5
V
W
W
V
14
3
L95
Junction
Connector
20
9
19
8
18
7
V
P
W
B
BR
Y
5 AL3
4 AL3
10 AL8
11 AL8
V
P
BR
Y
5 A
13 A
15 B
16 B
CANL
CANH
CANN
CANP
CA1L
CA1H
A57(A)
ECM
4 A
12 A
A24(B)
Transmission Control
ECU Assembly
W
B
24 D
25 D
L5(C), L6(D)
Power Management Control ECU
CA1L
CA1H
CA3N
CA3P
CA2H
CA2L
11 AL3
10 AL3
30 D
31 D
34 C
35 C
W
B
L
LG
P
(*4, *5)
V
(*4, *5)
4
15
1
12
V
(*4, *5)
P
(*4, *5)
L101
Junction
Connector


U4
Lane Recognition Camera Sensor Assembly
A2
Millimeter Wave Radar Sensor Assembly
∗ 2 : w/ Lane Keeping Assist
∗ 4 : w/ Intelligent Parking Assist
∗ 5 : w/ Pre–Collision System
CA1N
CA1P
UL2
AL4
L102 Junction Connector
L60 Driving Support ECU Assembly
CA2L
CA2H
L65(B) Parking Assist ECU
CANH
CANL
ST–Plug
L96(A), L97(B), L98(C), L99(D), L100(E) Junction Connector
L92 Junction Connector
L3(B) Seat Belt Control ECU
L3
W–B
V
P
(∗4, ∗5)

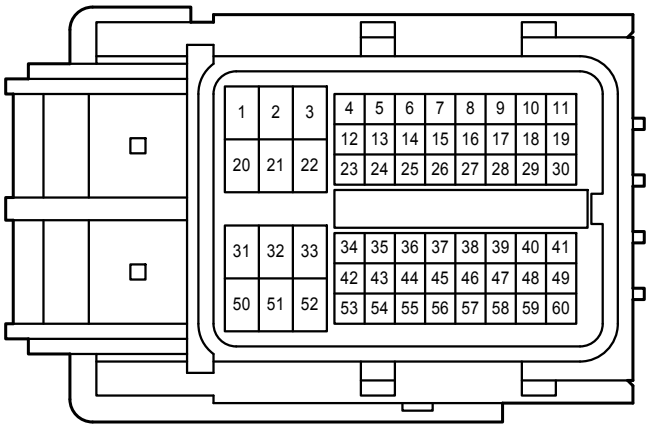
A 2
Black



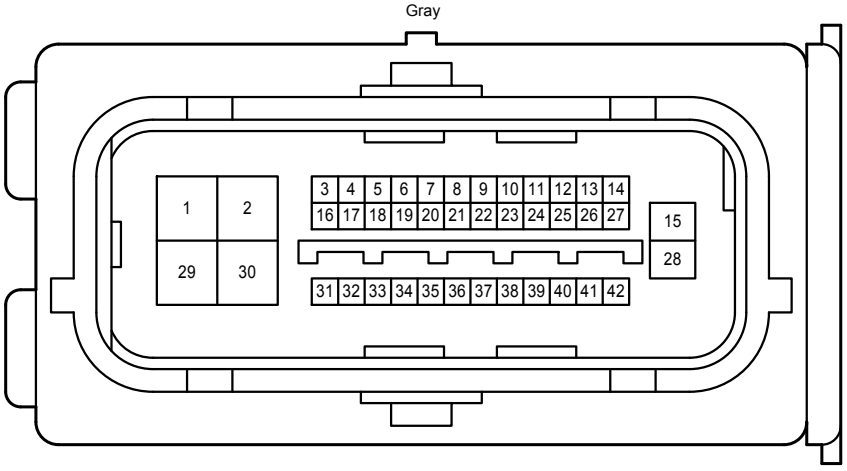
A 24
White



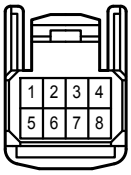
A 57
Black



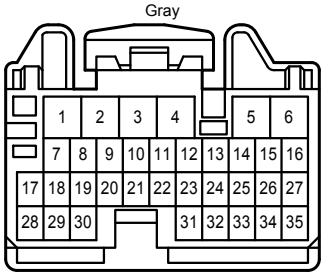
A 58
Gray



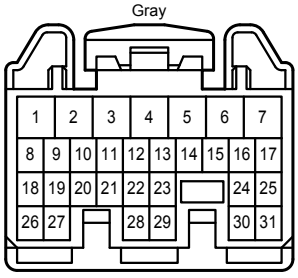
L 3
White



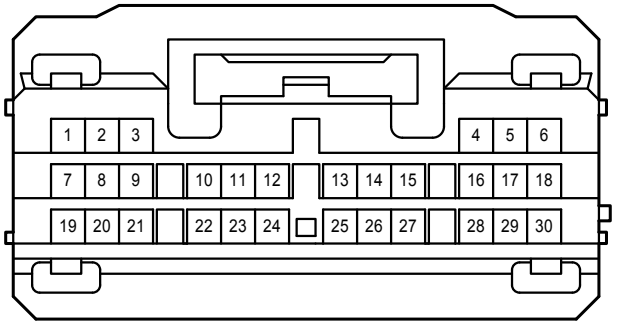
L 5
Gray



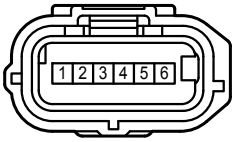
L 6
Gray



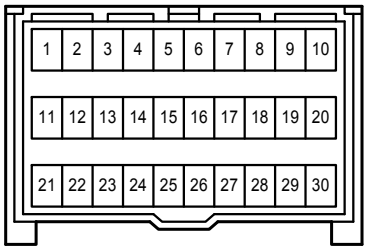
L 7
White



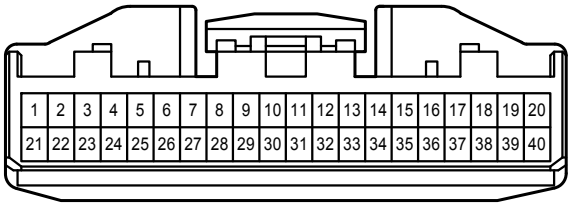
L 12
Black



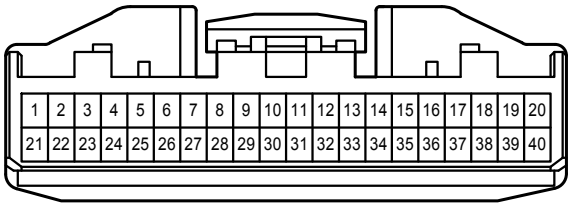
L 16
Yellow



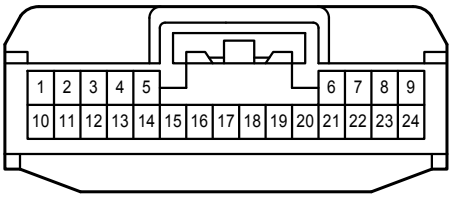
L 17
White



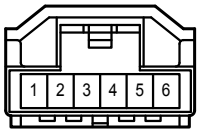
L 27
White



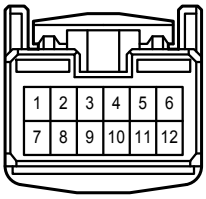
L 37
White



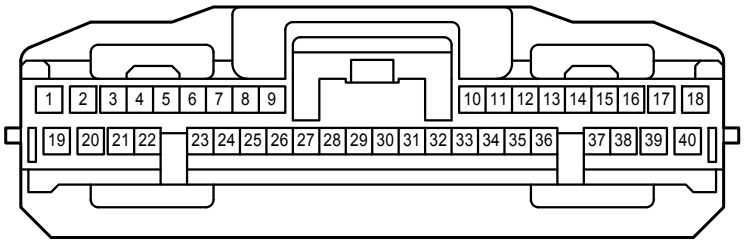
L 51
White



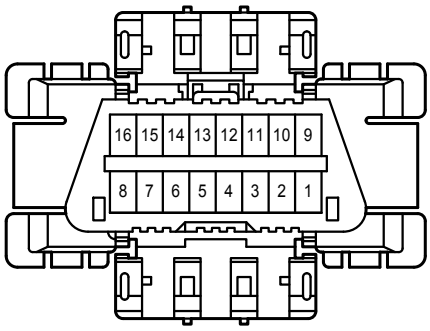
L 54
White



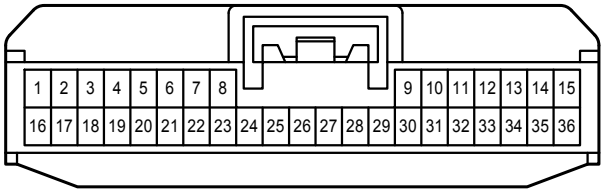
L 60
White



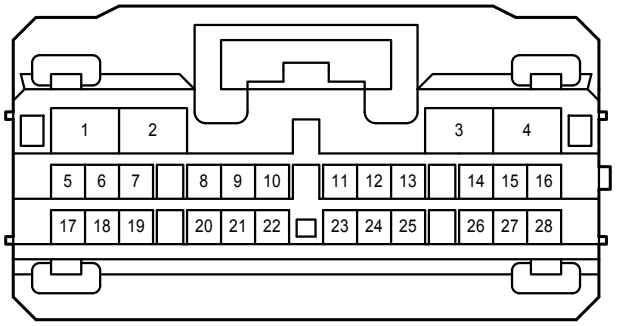
L 61
White



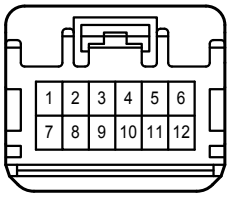
L 62
White



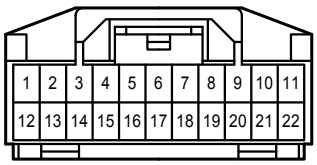
L 65
White



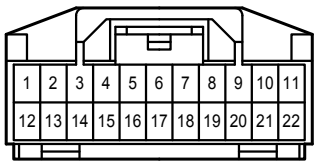
L 92
White



L 94
White

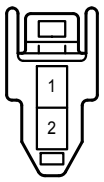


L 95
White

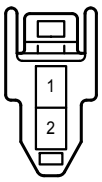


L 96
White

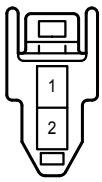
L 97
White



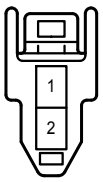
L 98
White



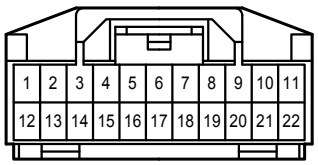
L 99
White



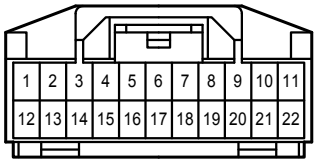
L100
White



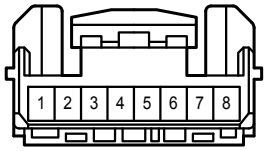
L101
Black



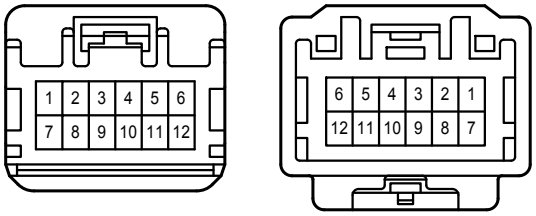
L102
Blue



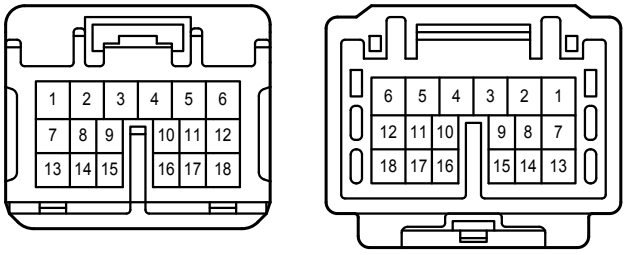
U 4
White

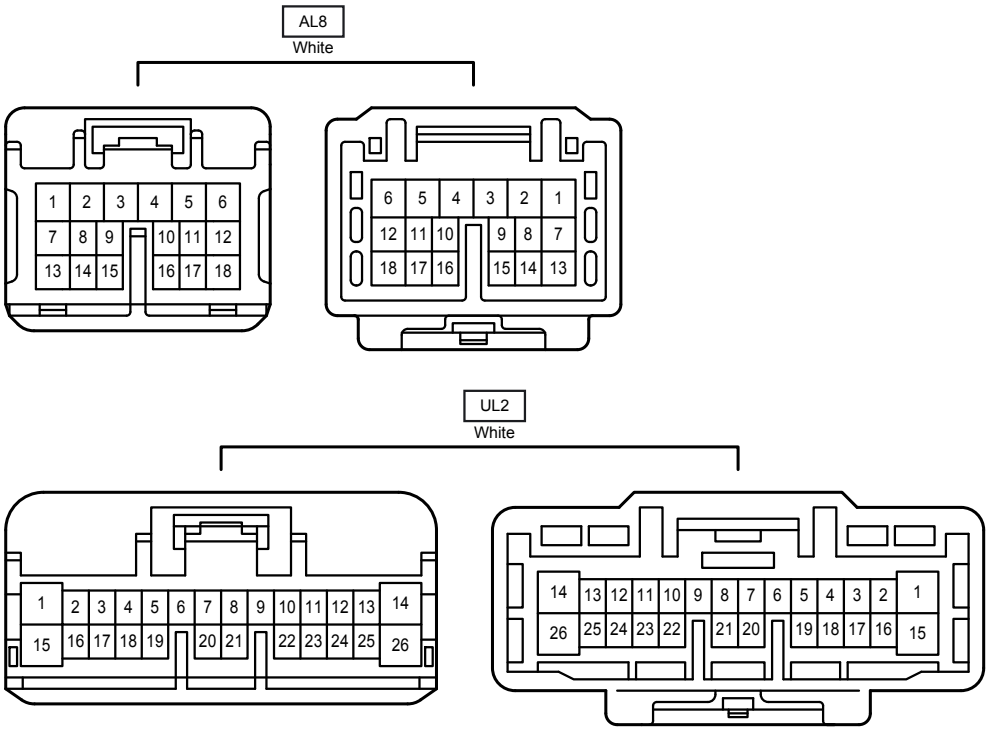


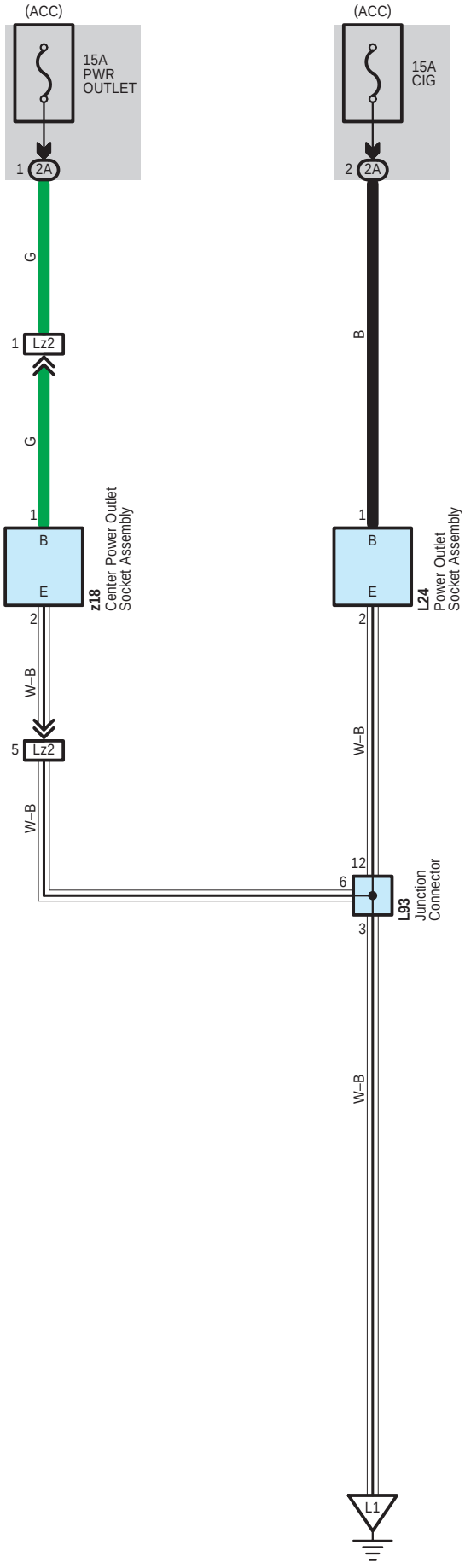
AL3
White



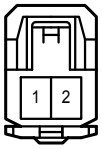
AL4
Black



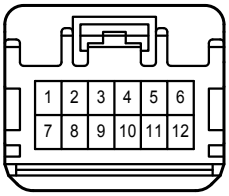

AL8
White
1 2 3 4 5 6
7 8 9 10 11 12
13 14 15 16 17 18
6 5 4 3 2 1
12 11 10 9 8 7
18 17 16 15 14 13
UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15


(ACC)
15A
PWR
OUTLET
1
2A
G
1
Lz2
G
1
B
E
2
z18
Center Power Outlet
Socket Assembly
W–B
5
Lz2
W–B
(ACC)
15A
CIG
2
2A
B
1
B
E
2
L24
Power Outlet
Socket Assembly
W–B
12
6
L93
Junction
Connector
3
W–B
L1

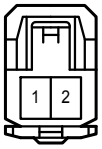
L 24
White



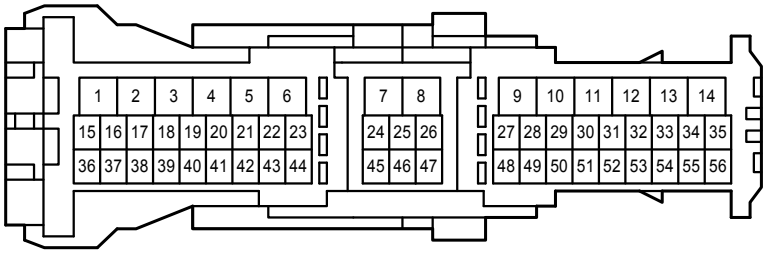
L 93
White



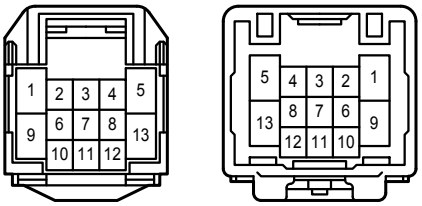
z 18
White

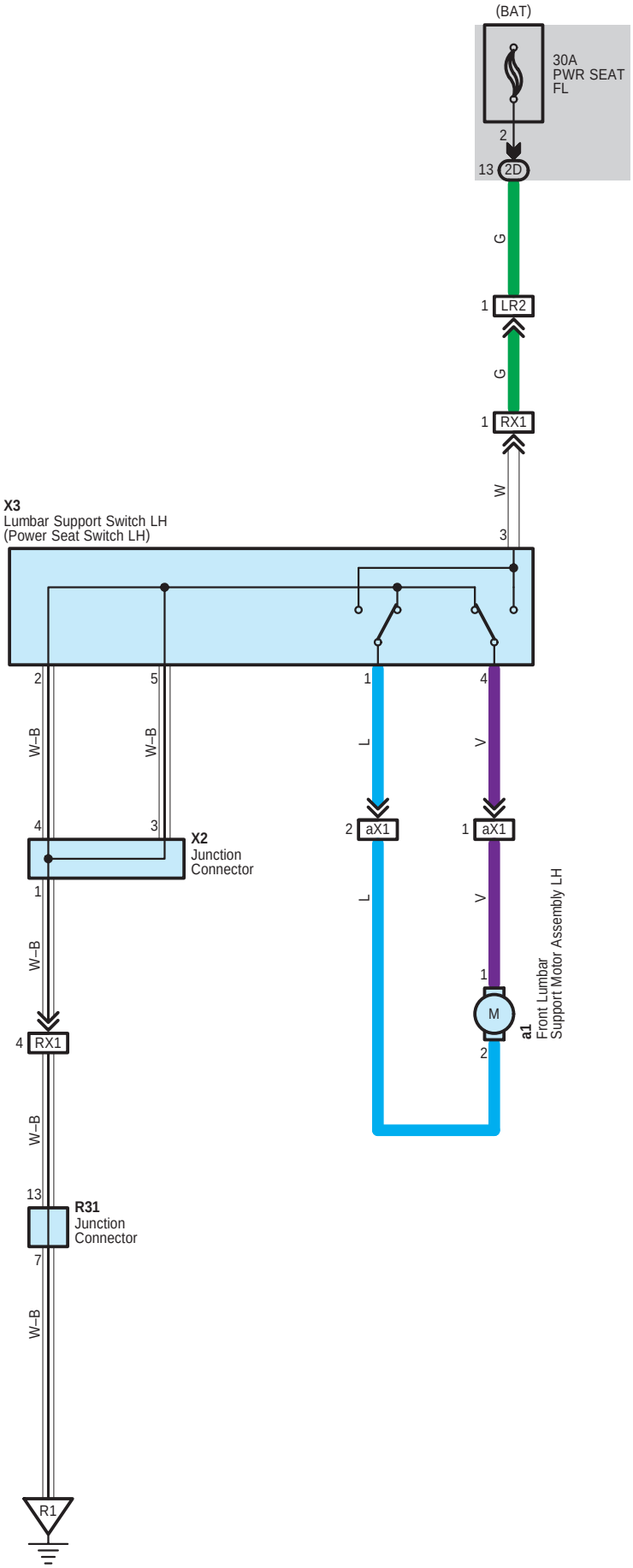


2A
White

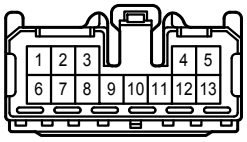


Lz2
White

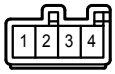



(BAT)
30A
PWR SEAT
FL
2
13
2D
G
1
LR2
G
1
RX1
W
3
X3
Lumbar Support Switch LH
(Power Seat Switch LH)
2
5
1
4
W–B
W–B
L
V
4
3
2
aX1
1
aX1
X2
Junction
Connector
1
L
V
W–B
1
M
2
a1
Front Lumbar
Support Motor Assembly LH
4
RX1
W–B
13
R31
Junction
Connector
7
W–B
R1

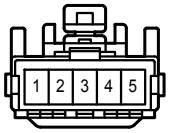
R 31
White



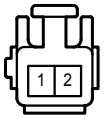
X 2
Black



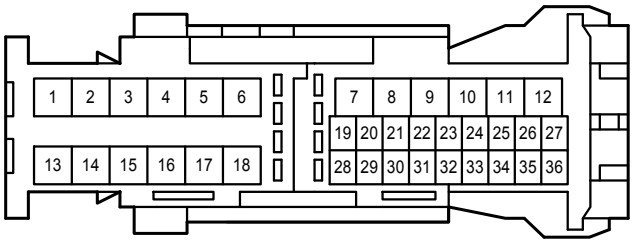
X 3
White



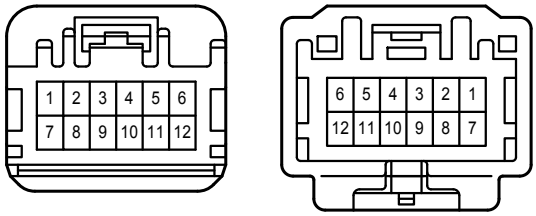
a 1
Black



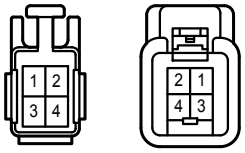
2D
White



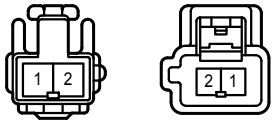
LR2
Black

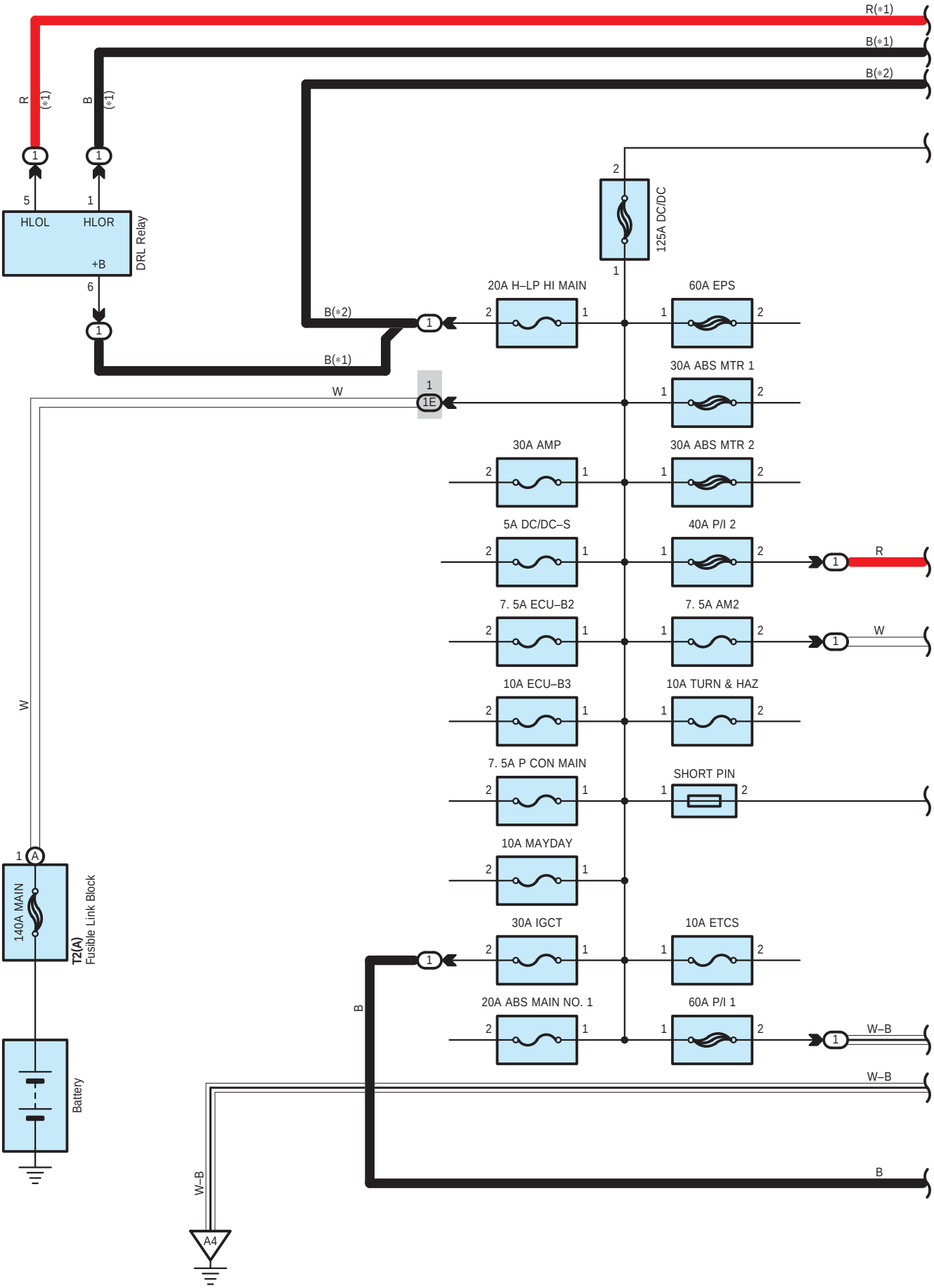


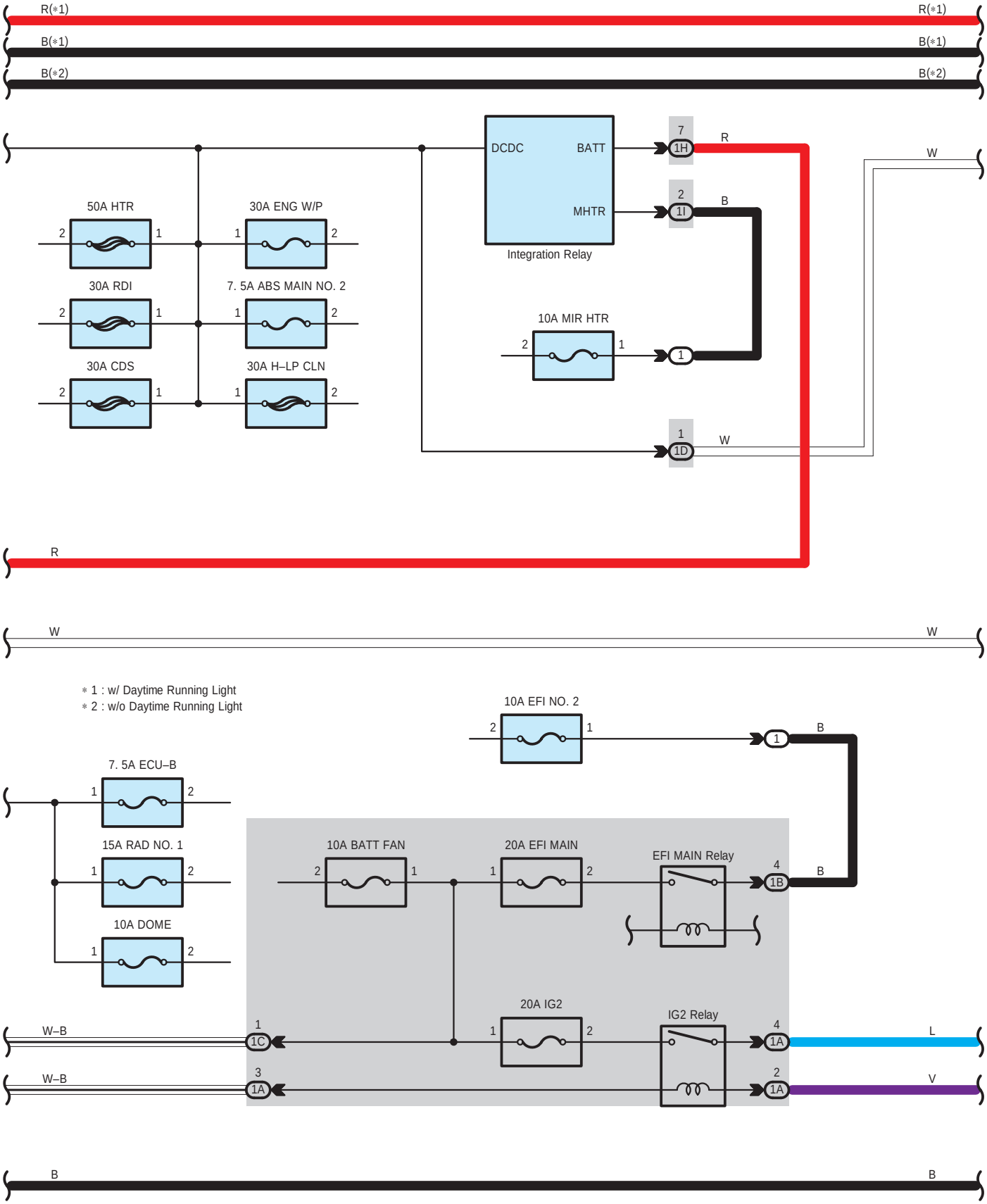
RX1
White

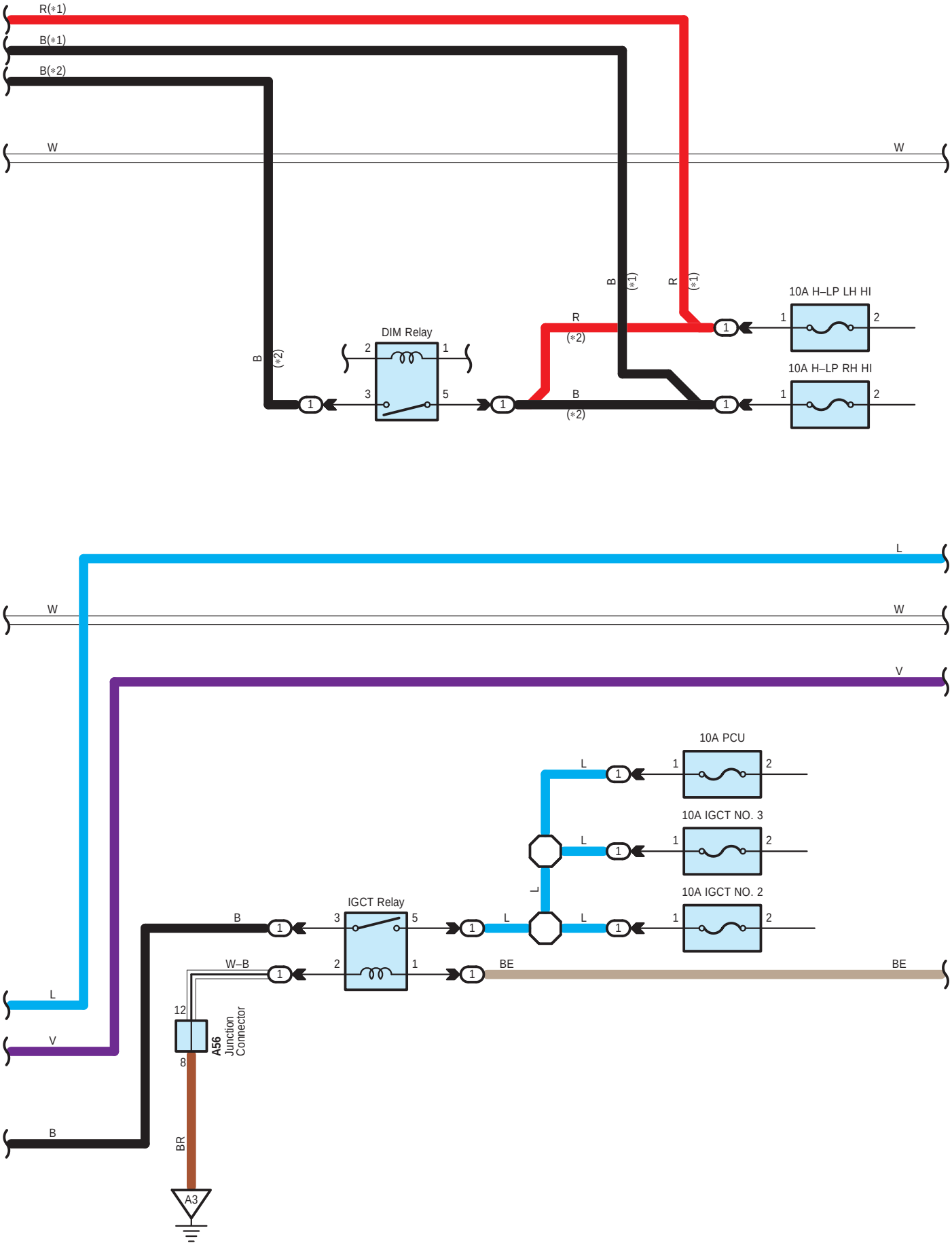


aX1
White

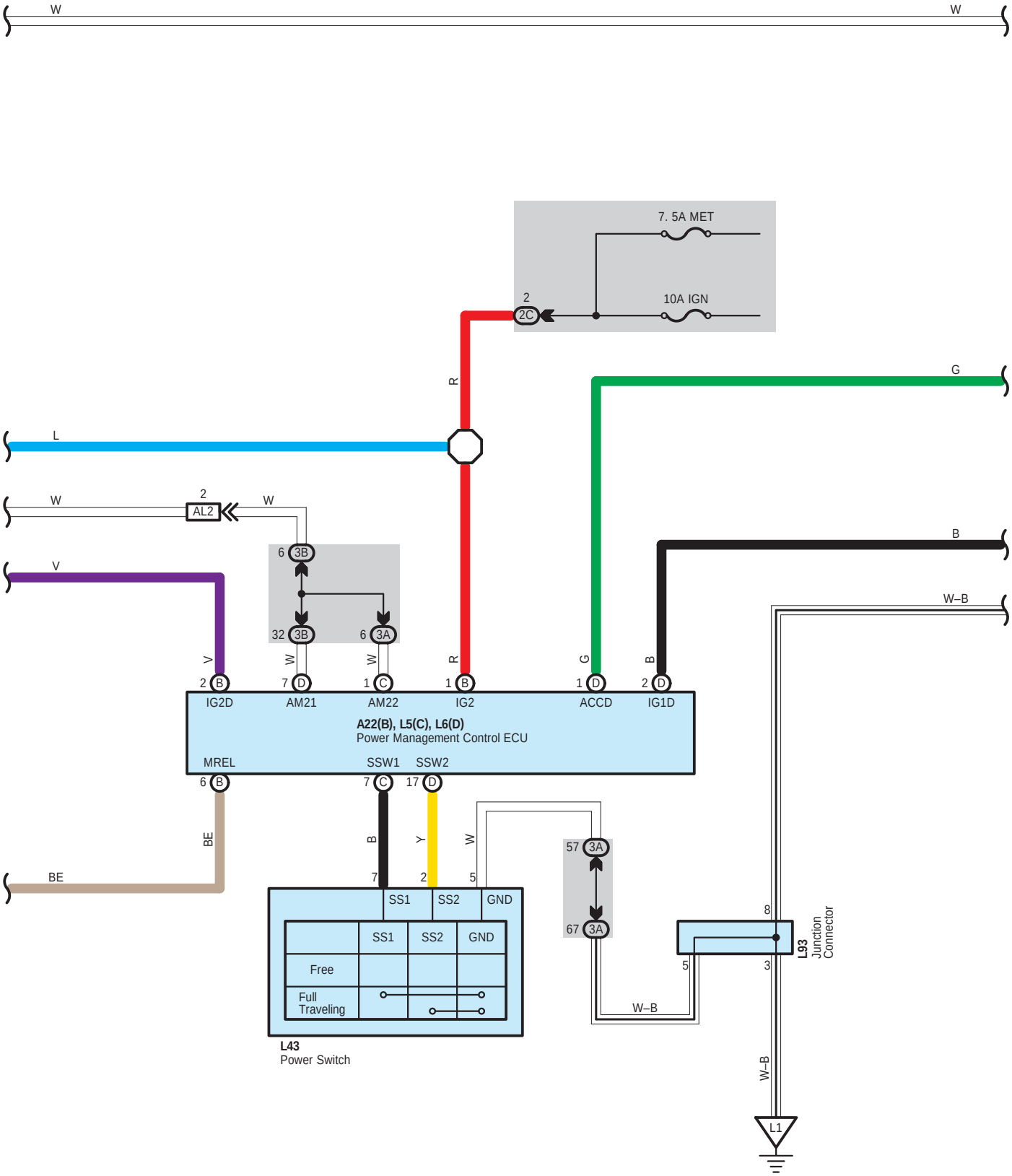


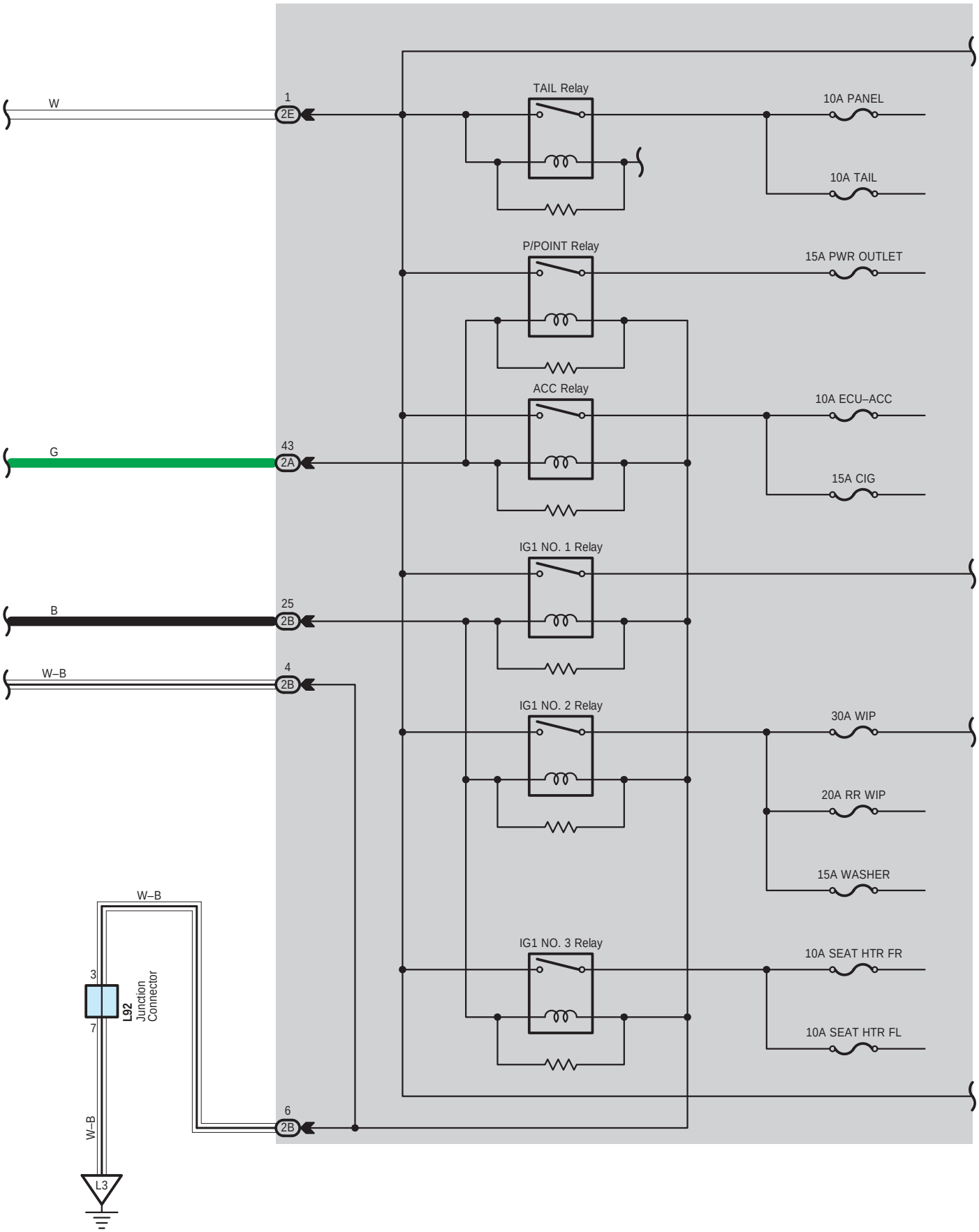

R(*1)
B(*1)
B(*2)
R
(*1)
B
(*1)
1
1
5
1
HLOL
HLOR
+B
DRL Relay
6
1
B(*2)
B(*1)
2
125A DC/DC
1
20A H–LP HI MAIN
60A EPS
30A ABS MTR 1
W
1
1E
30A AMP
30A ABS MTR 2
5A DC/DC–S
40A P/I 2
R
7. 5A ECU–B2
7. 5A AM2
W
10A ECU–B3
10A TURN & HAZ
7. 5A P CON MAIN
SHORT PIN
10A MAYDAY
30A IGCT
10A ETCS
20A ABS MAIN NO. 1
60A P/I 1
W–B
W–B
B
W
1
A
140A MAIN
T2(A)
Fusible Link Block
Battery
W–B
A4


R(*1)
R(*1)
B(*1)
B(*1)
B(*2)
B(*2)
DCDC
BATT
MHTR
Integration Relay
7
1H
R
2
1I
B
W
50A HTR
30A ENG W/P
30A RDI
7. 5A ABS MAIN NO. 2
30A CDS
30A H–LP CLN
10A MIR HTR
1
1D
W
R
W
W
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
10A EFI NO. 2
B
7. 5A ECU–B
15A RAD NO. 1
10A DOME
10A BATT FAN
20A EFI MAIN
EFI MAIN Relay
4
1B
B
20A IG2
IG2 Relay
W–B
1C
4
1A
L
W–B
3
1A
2
1A
V
B
B

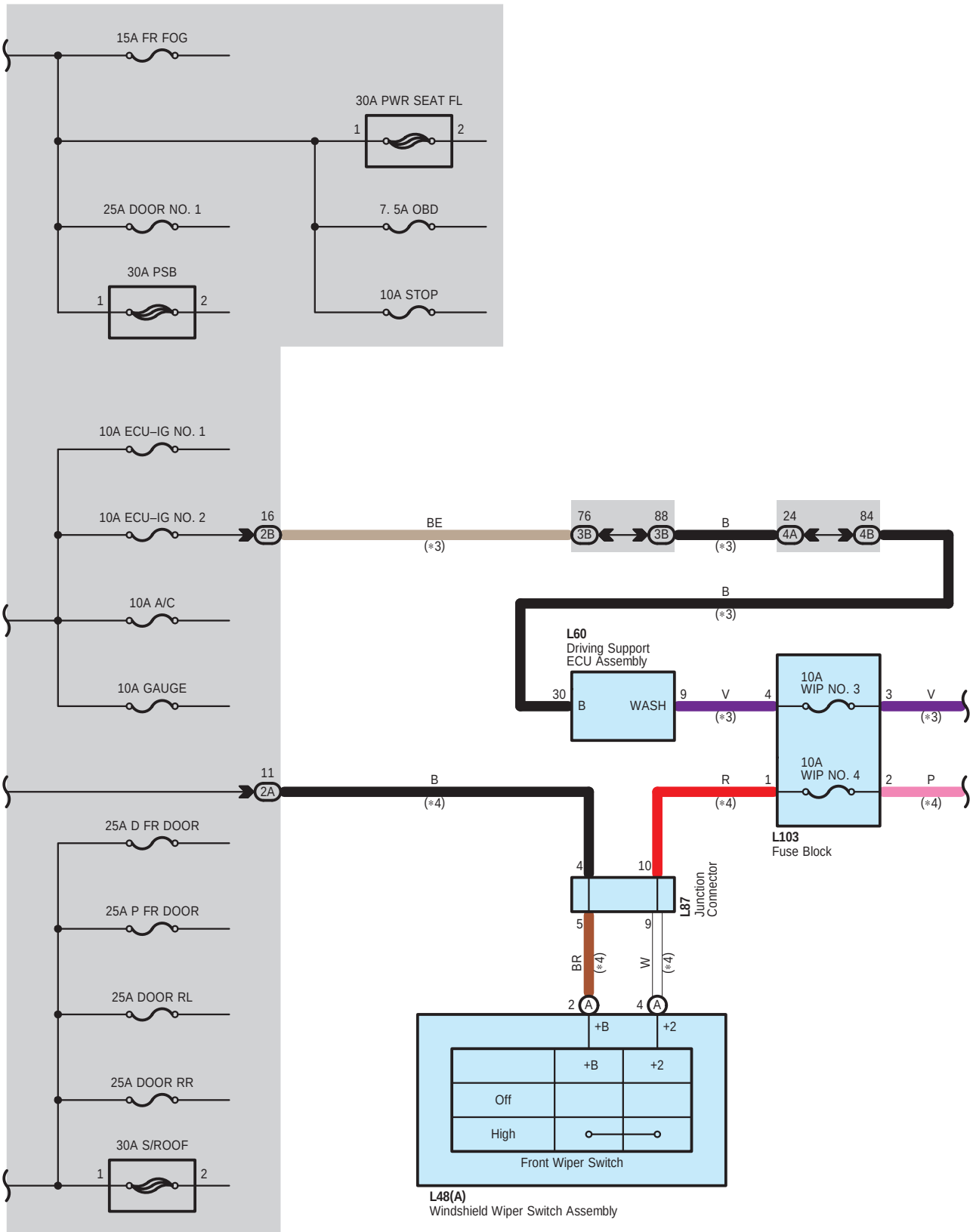

R(*1)
B(*1)
B(*2)
W
W
B
(*2)
DIM Relay
2
1
3
5
B
(*1)
R
(*1)
R
(*2)
B
(*2)
10A H–LP LH HI
10A H–LP RH HI
1
2
L
W
W
V
10A PCU
10A IGCT NO. 3
10A IGCT NO. 2
L
IGCT Relay
B
W–B
BE
BE
L
V
B
12
8
A56
Junction
Connector
BR
A3

* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light

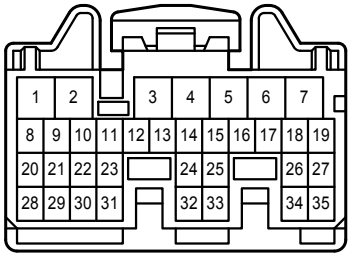



W
1
2E
TAIL Relay
10A PANEL
10A TAIL
P/POINT Relay
15A PWR OUTLET
ACC Relay
10A ECU–ACC
G
43
2A
15A CIG
IG1 NO. 1 Relay
B
25
2B
W–B
4
2B
IG1 NO. 2 Relay
30A WIP
20A RR WIP
15A WASHER
W–B
IG1 NO. 3 Relay
10A SEAT HTR FR
3
L92
Junction
Connector
7
10A SEAT HTR FL
W–B
6
2B
L3

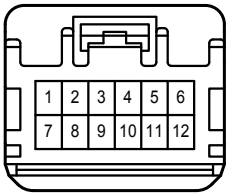
∗ 3 : w/ Lane Keeping Assist
∗ 4 : w/ Dynamic Radar Cruise Control



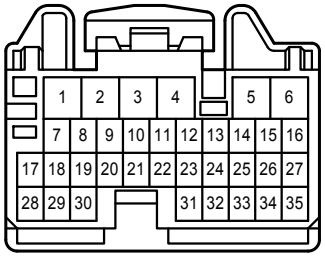
A 22
Gray



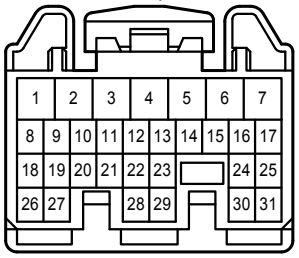
A 56
White



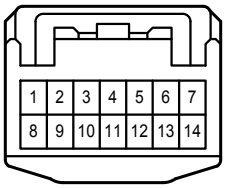
L 5
Gray



L 6
Gray

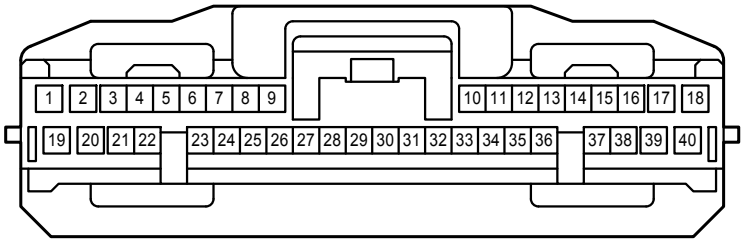


L 43
Black

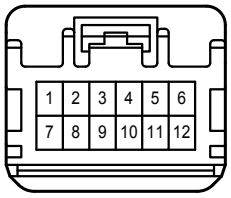


L 48
White

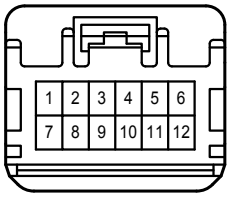
L 60
White



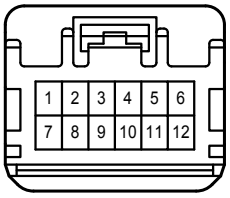
L 87
Black



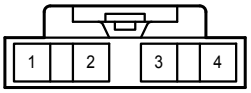
L 92
White



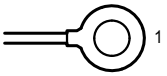
L 93
White



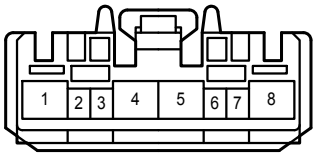
L103
White



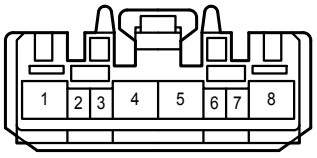
T 2



1A
White

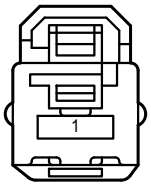


1B
White

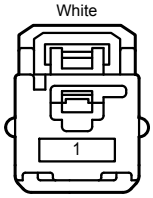


1C
White

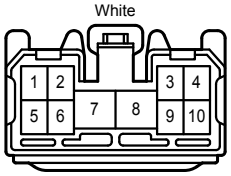
1D
Black



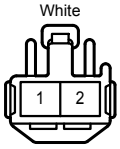
1E
White



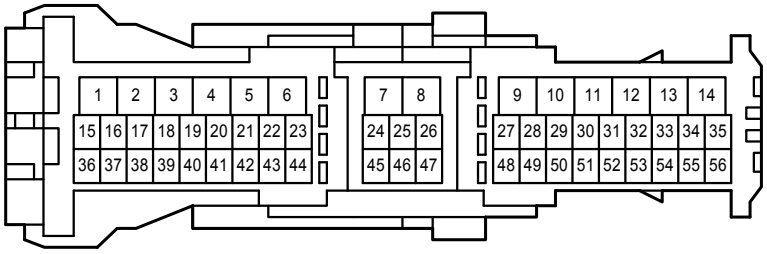
1H
White



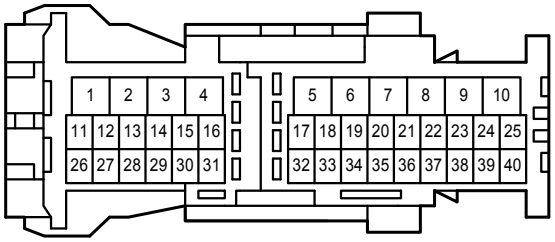
1I
White



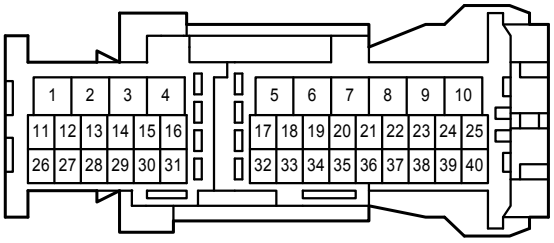
2A
White



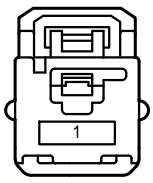
2B
White



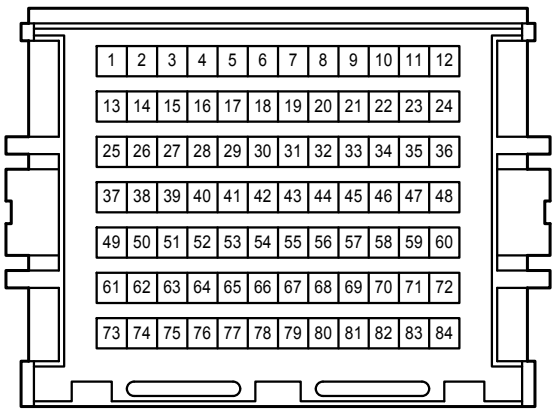
2C
White



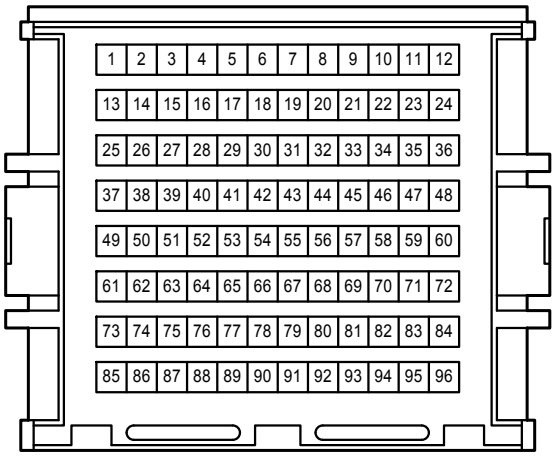
2E
White



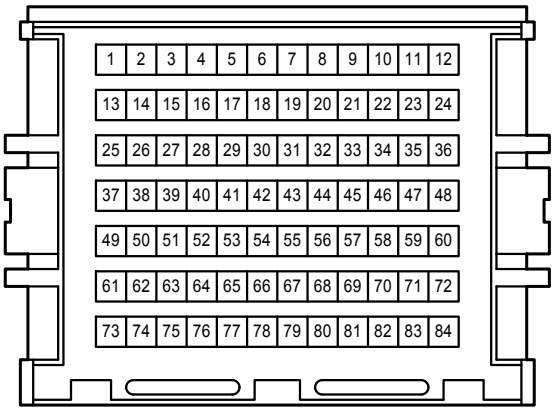
3A
White

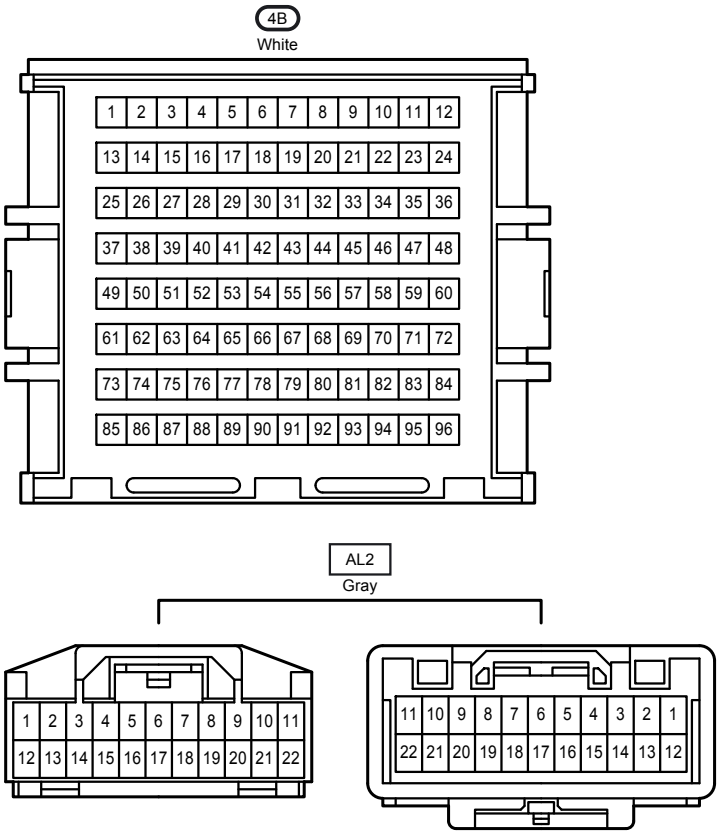


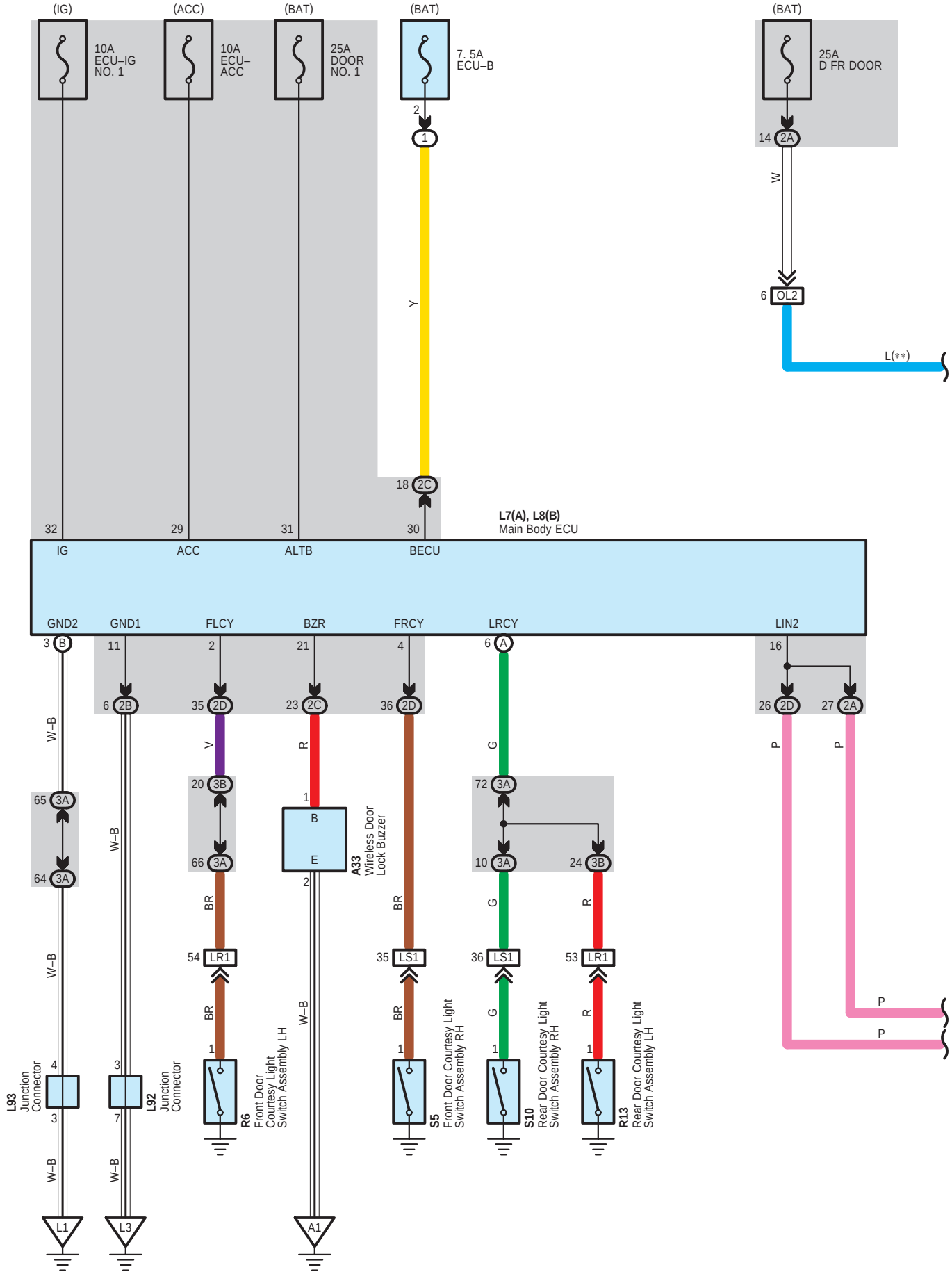
3B
White

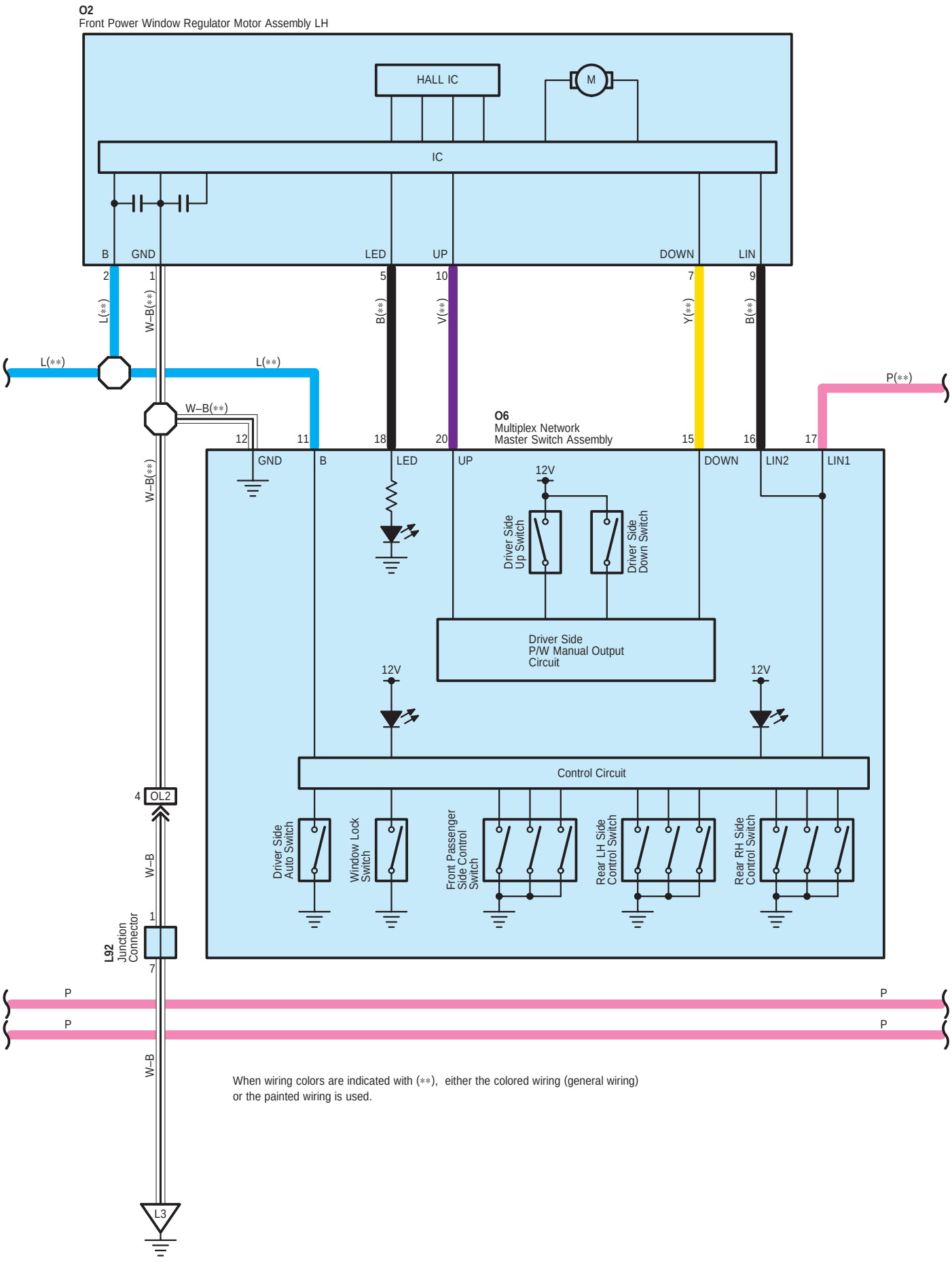


4A
White

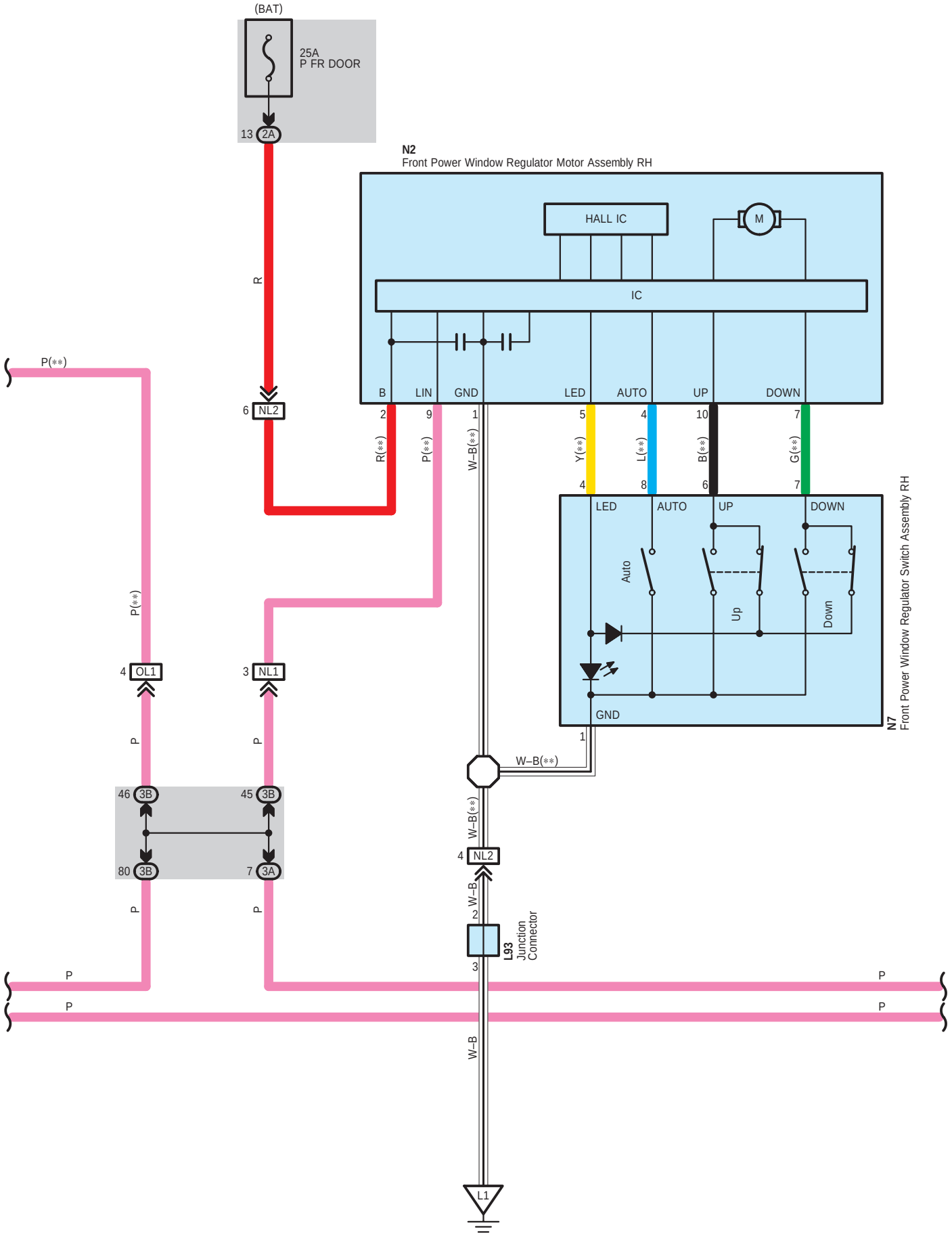


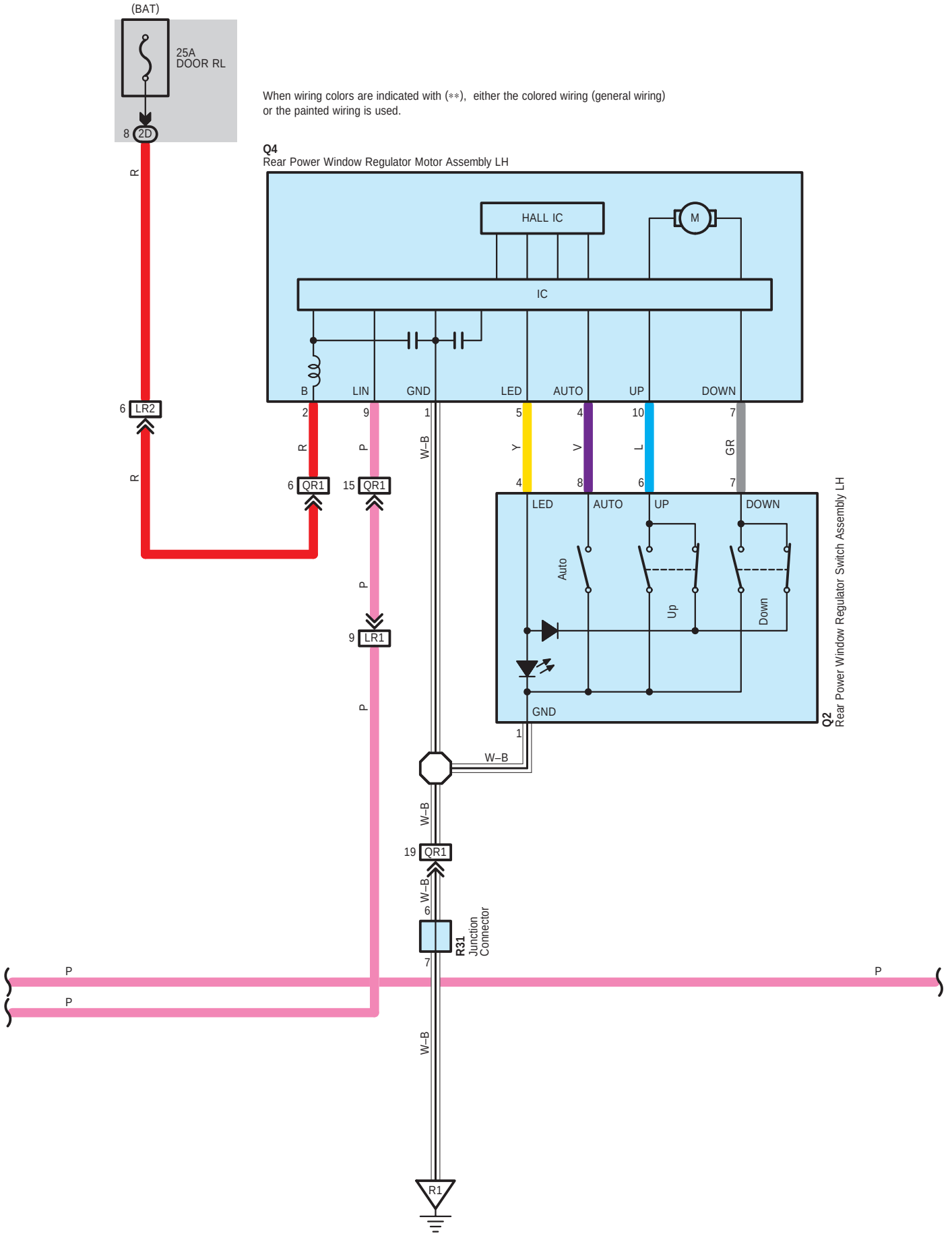

4B
White
1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70 71 72
73 74 75 76 77 78 79 80 81 82 83 84
85 86 87 88 89 90 91 92 93 94 95 96
AL2
Gray
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12


(IG)
(ACC)
(BAT)
(BAT)
(BAT)
10A ECU–IG NO. 1
10A ECU–ACC
25A DOOR NO. 1
7. 5A ECU–B
25A D FR DOOR
2
1
14 2A
W
6 OL2
L(**)
Y
18 2C
L7(A), L8(B)
Main Body ECU
32 IG
29 ACC
31 ALTB
30 BECU
GND2
GND1
FLCY
BZR
FRCY
LRCY
LIN2
3 B
11
2
21
4
6 A
16
6 2B
35 2D
23 2C
36 2D
26 2D
27 2A
W–B
V
R
G
P
65 3A
64 3A
20 3B
66 3A
1
B
E
A33 Wireless Door Lock Buzzer
2
72 3A
10 3A
24 3B
BR
54 LR1
35 LS1
36 LS1
53 LR1
4
3
7
1
L93 Junction Connector
L92 Junction Connector
R6 Front Door Courtesy Light Switch Assembly LH
S5 Front Door Courtesy Light Switch Assembly RH
S10 Rear Door Courtesy Light Switch Assembly RH
R13 Rear Door Courtesy Light Switch Assembly LH
L1
L3
A1

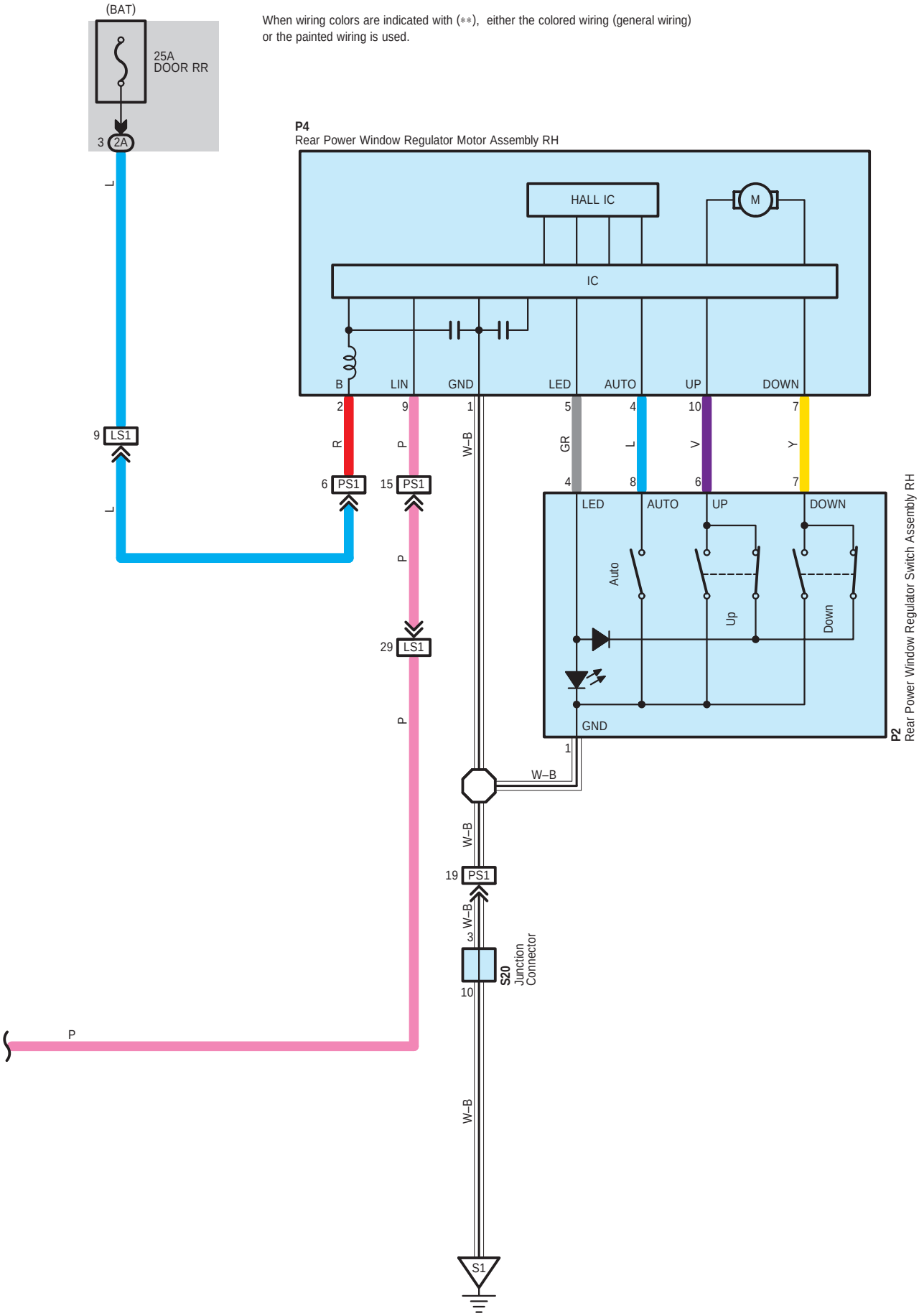


When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

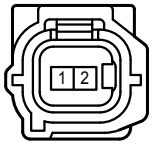

(BAT)
25A
P FR DOOR
13 2A
R
6 NL2
N2
Front Power Window Regulator Motor Assembly RH
HALL IC
M
IC
B
LIN
GND
LED
AUTO
UP
DOWN
2
9
1
5
4
10
7
R(**)
P(**)
W–B(**)
Y(**)
L(**)
B(**)
G(**)
4
8
6
7
LED
AUTO
UP
DOWN
Auto
Up
Down
GND
1
N7
Front Power Window Regulator Switch Assembly RH
P(**)
4 OL1
3 NL1
P
P
W–B(**)
46 3B
45 3B
80 3B
7 3A
4 NL2
W–B
2
3
L93
Junction
Connector
P
P
P
P
W–B
L1


(BAT)
25A
DOOR RL
8 2D
When wiring colors are indicated with (**), either the colored wiring (general wiring)
or the painted wiring is used.
Q4
Rear Power Window Regulator Motor Assembly LH
HALL IC
M
IC
B
LIN
GND
LED
AUTO
UP
DOWN
6 LR2
2
9
1
5
4
10
7
R
P
W–B
Y
V
L
GR
6 QR1
15 QR1
4
8
6
7
LED
AUTO
UP
DOWN
Auto
Up
Down
GND
Q2
Rear Power Window Regulator Switch Assembly LH
1
W–B
9 LR1
19 QR1
6
R31
Junction
Connector
7
P
R1

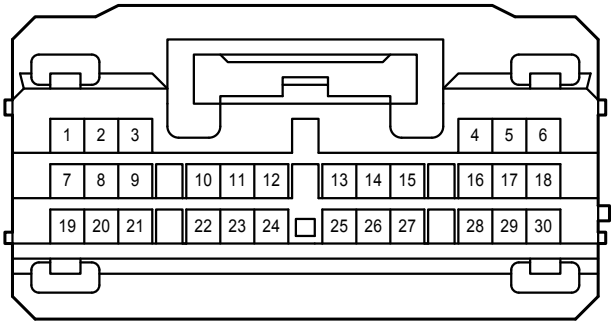
When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.



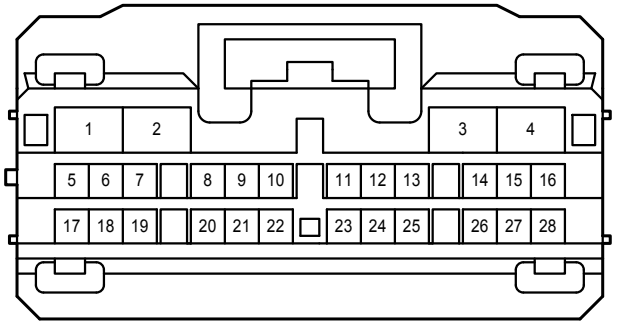
A 33
Gray



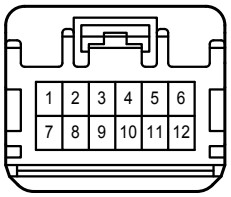
L 7
White



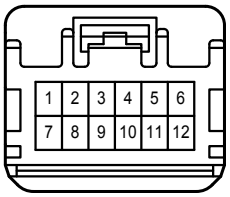
L 8
White



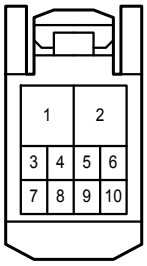
L 92
White



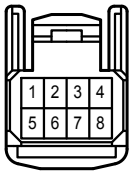
L 93
White



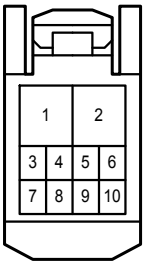
N 2
White



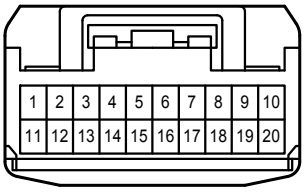
N 7
White



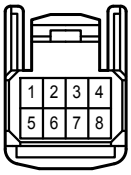
O 2
White



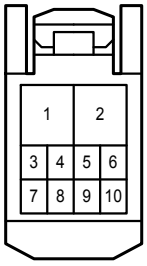
O 6
White



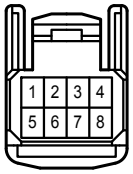
P 2
White



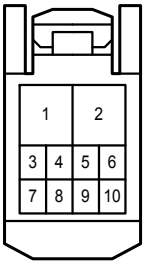
P 4
White



Q 2
White



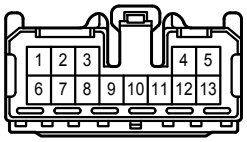
Q 4
White



R 6
Black

R 13
Black

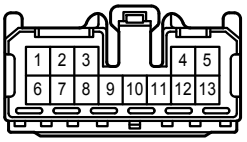
R 31
White



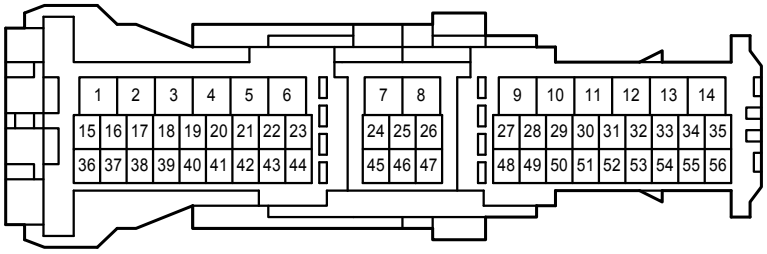
S 5
Black

S 10
Black

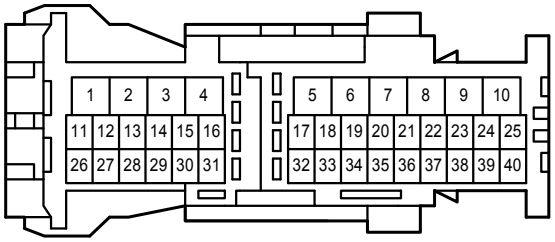
S 20
White



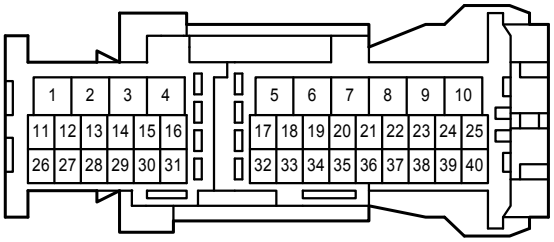
2A
White



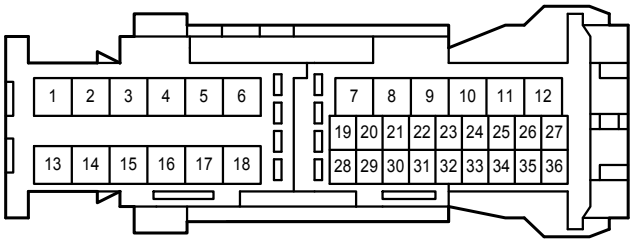
2B
White



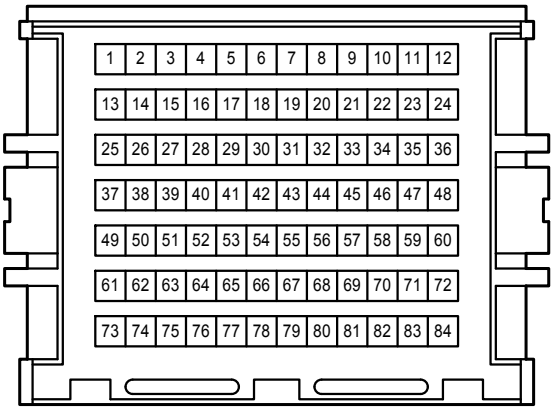
2C
White



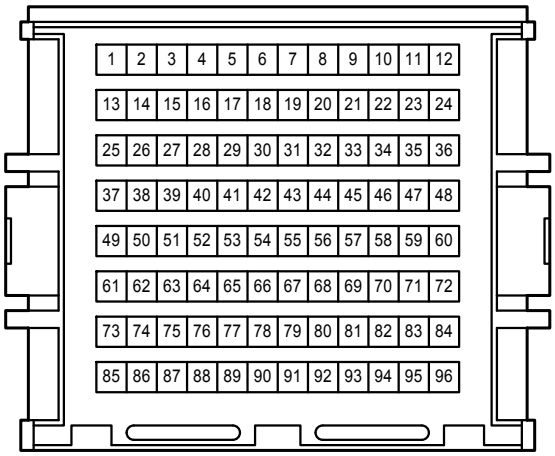
2D
White



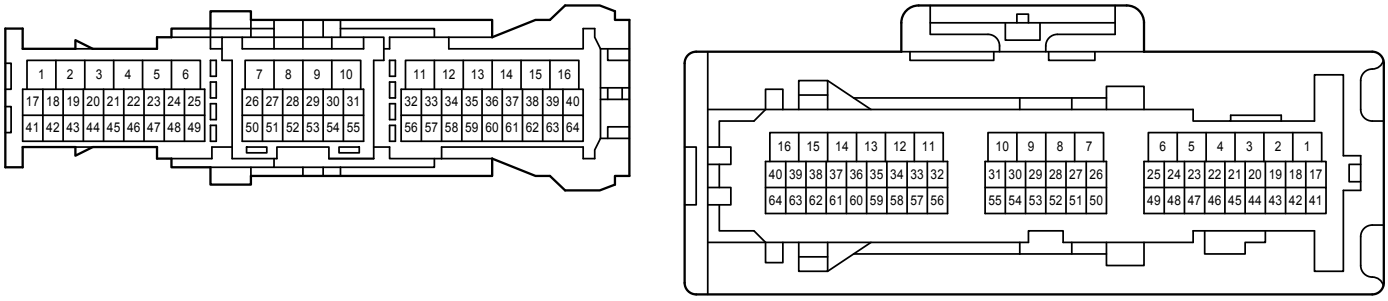
3A
White



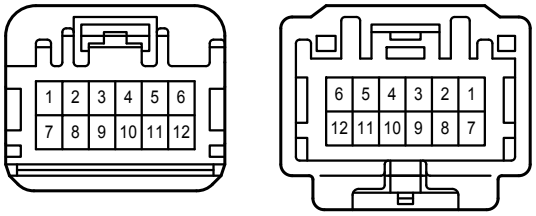
3B
White



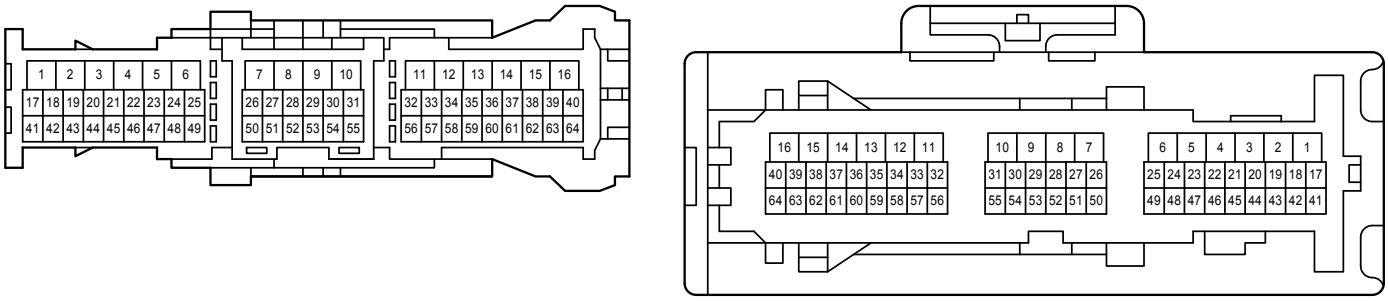
LR1
White



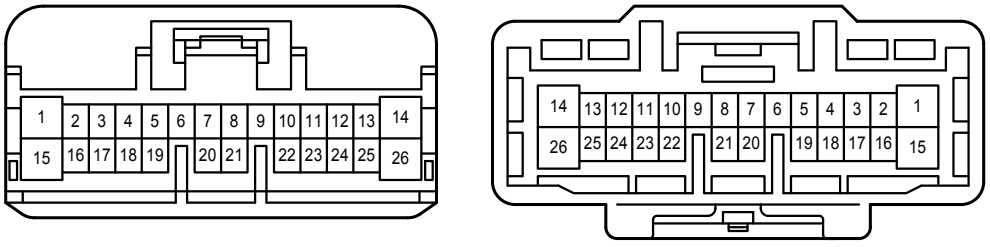
LR2
Black



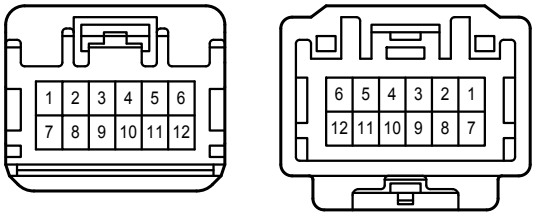
LS1
White



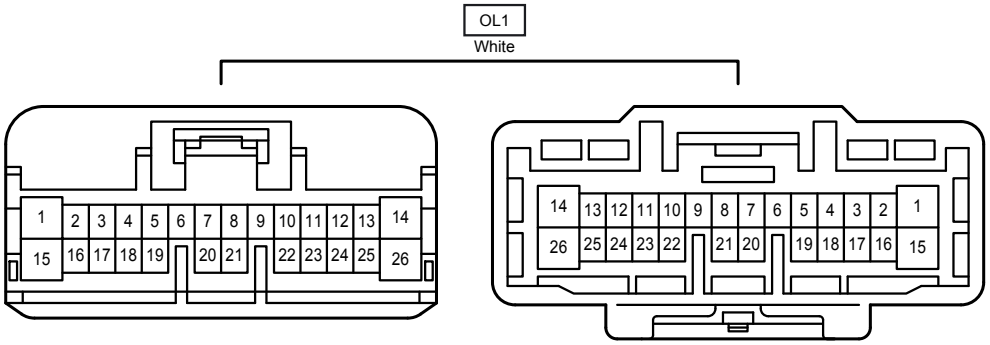
NL1
White



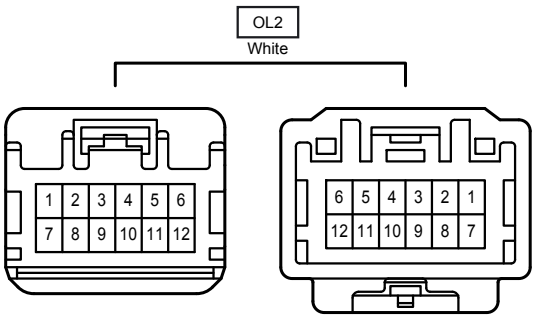
NL2
White



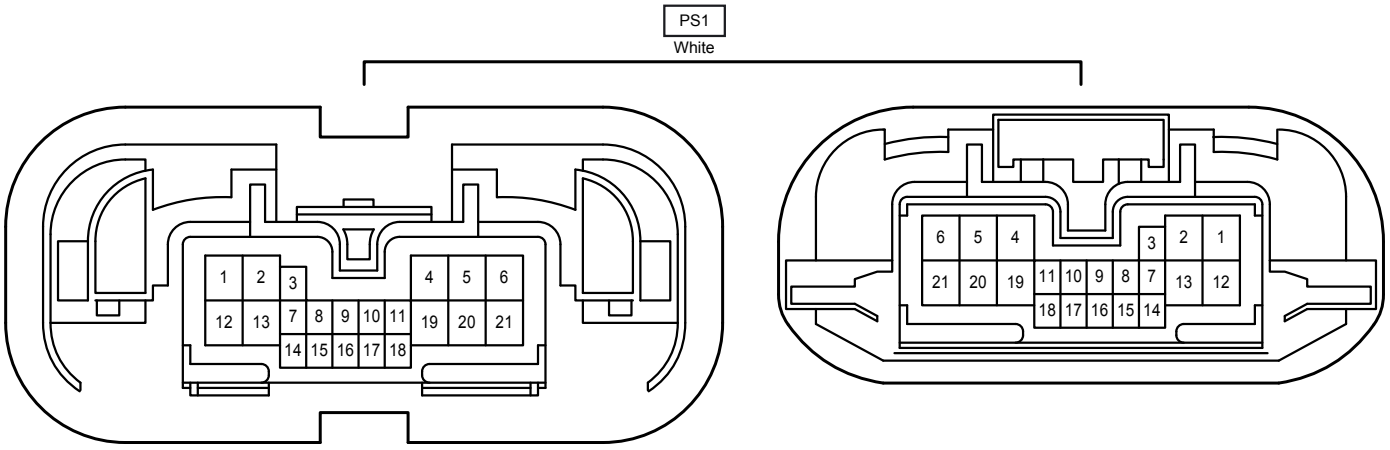
OL1
White

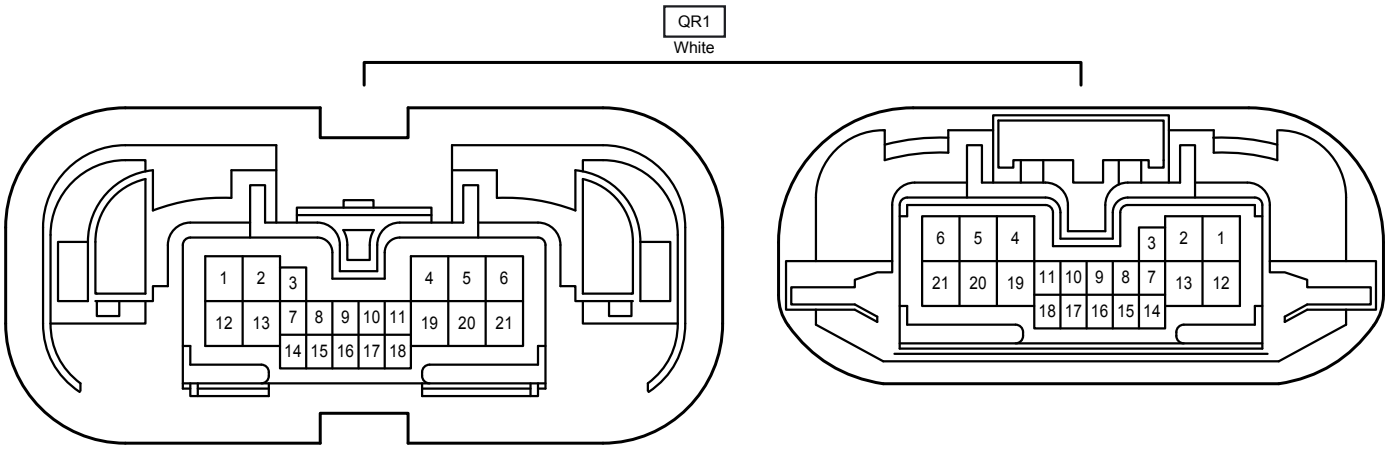


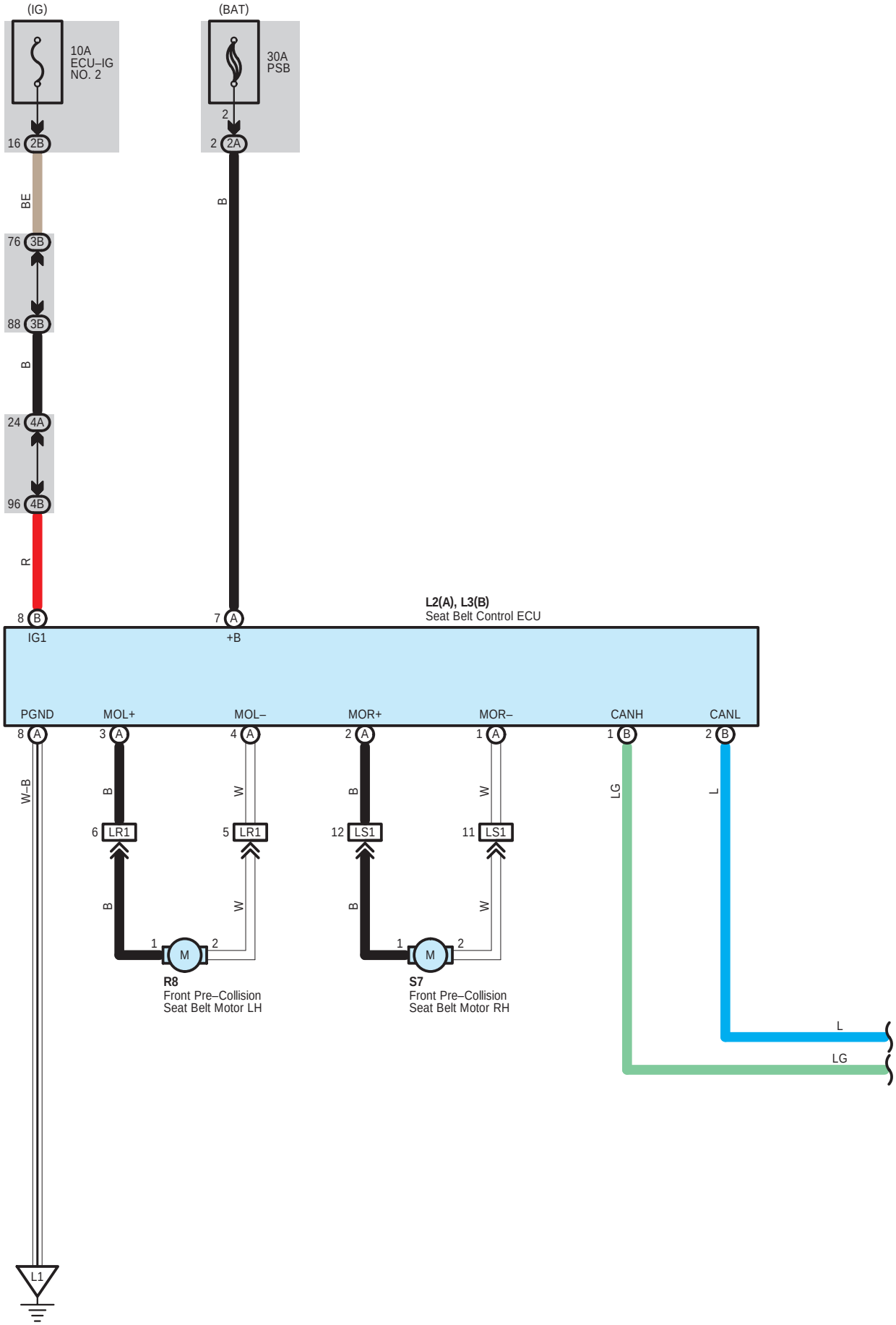
OL2
White

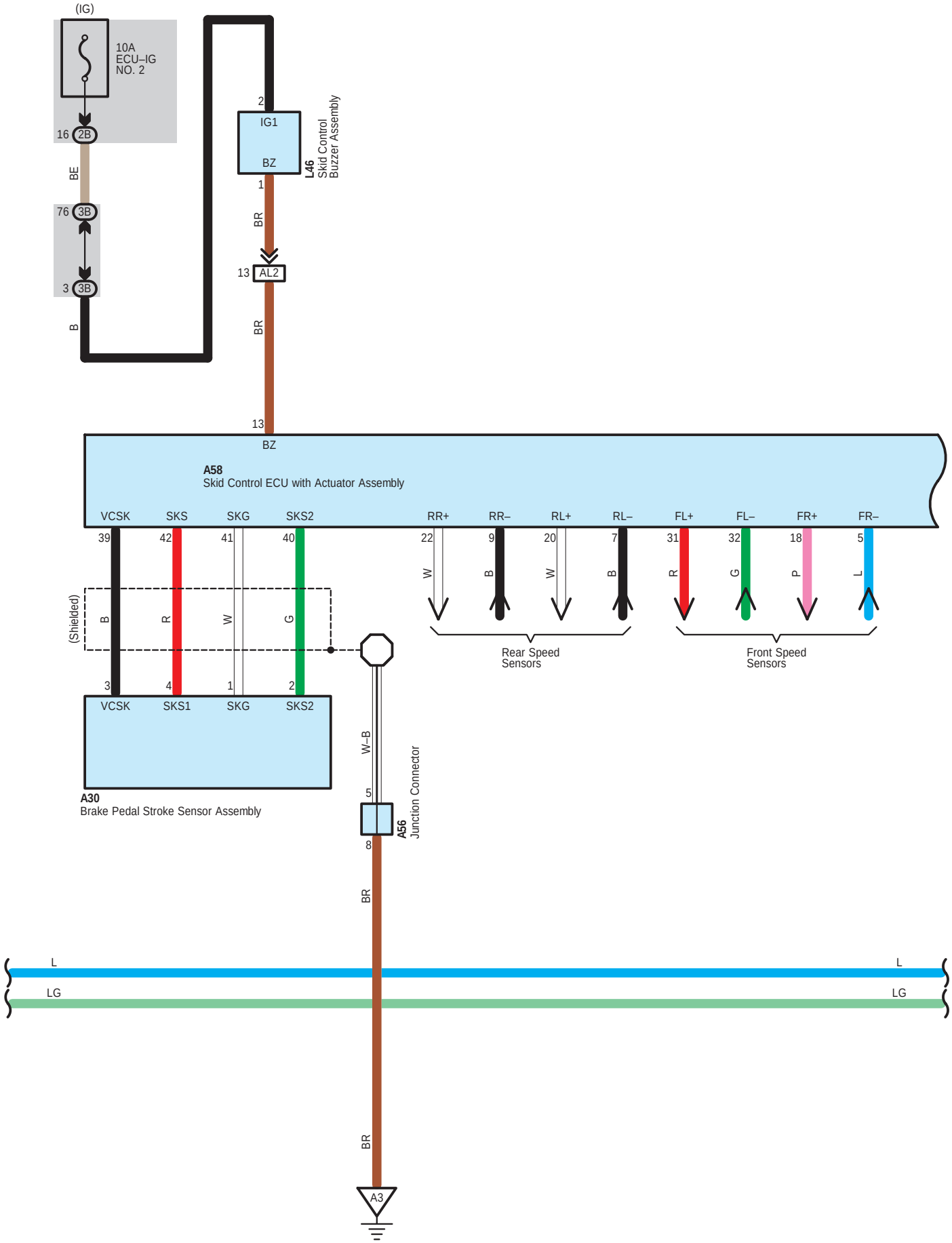


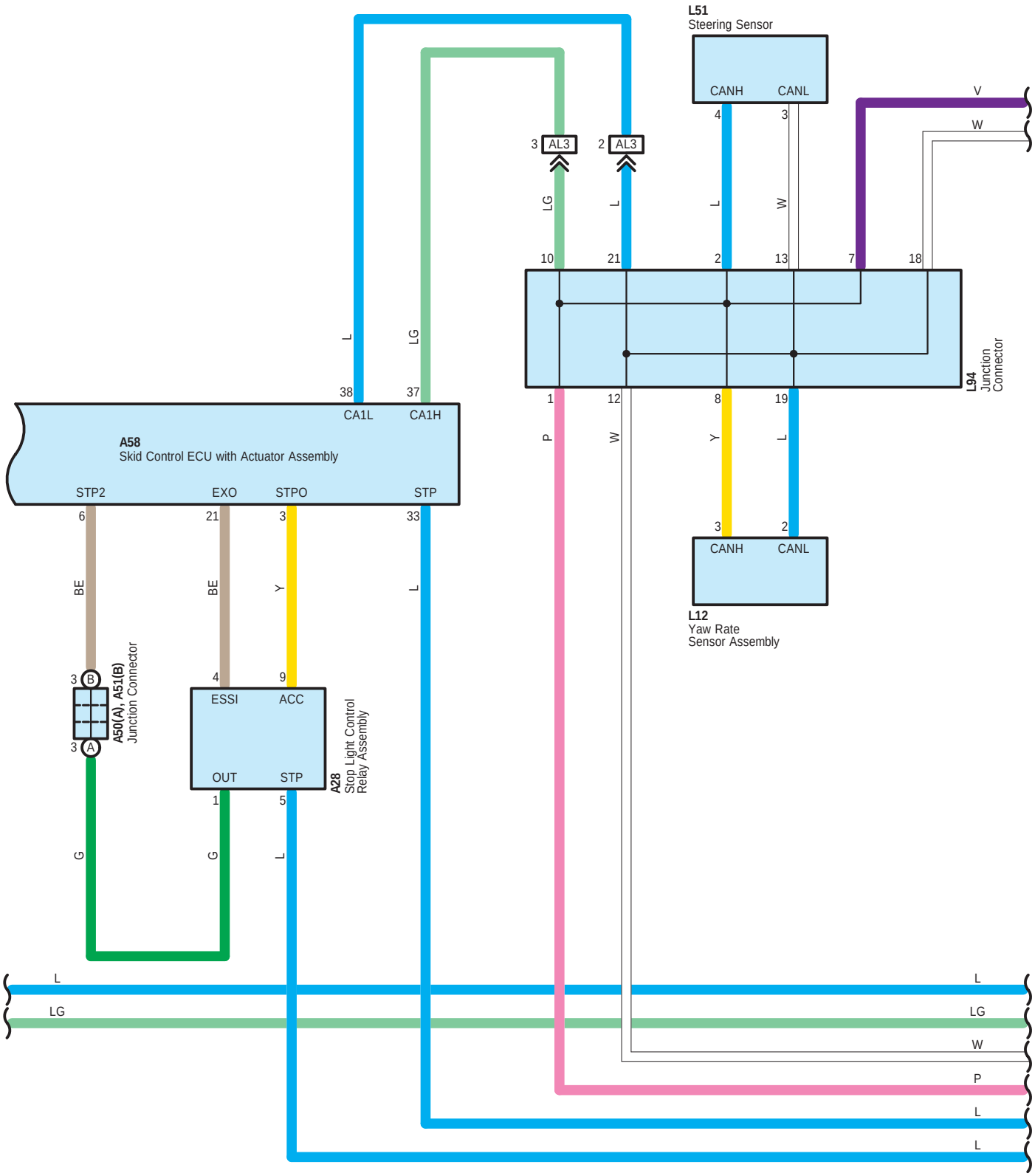
PS1
White

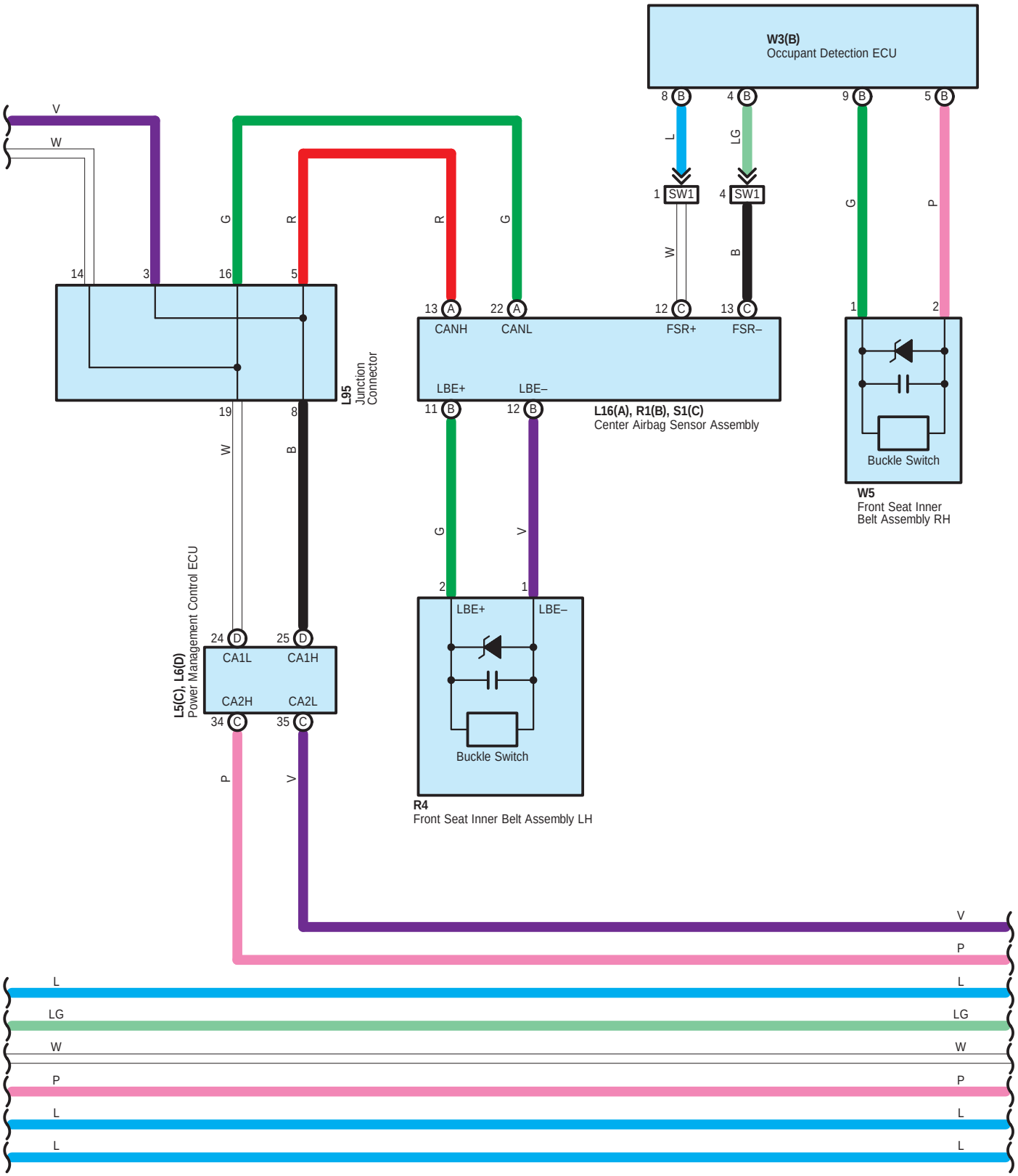



QR1
White
1 2 3 4 5 6
12 13 7 8 9 10 11 19 20 21
14 15 16 17 18
6 5 4 3 2 1
21 20 19 11 10 9 8 7 13 12
18 17 16 15 14

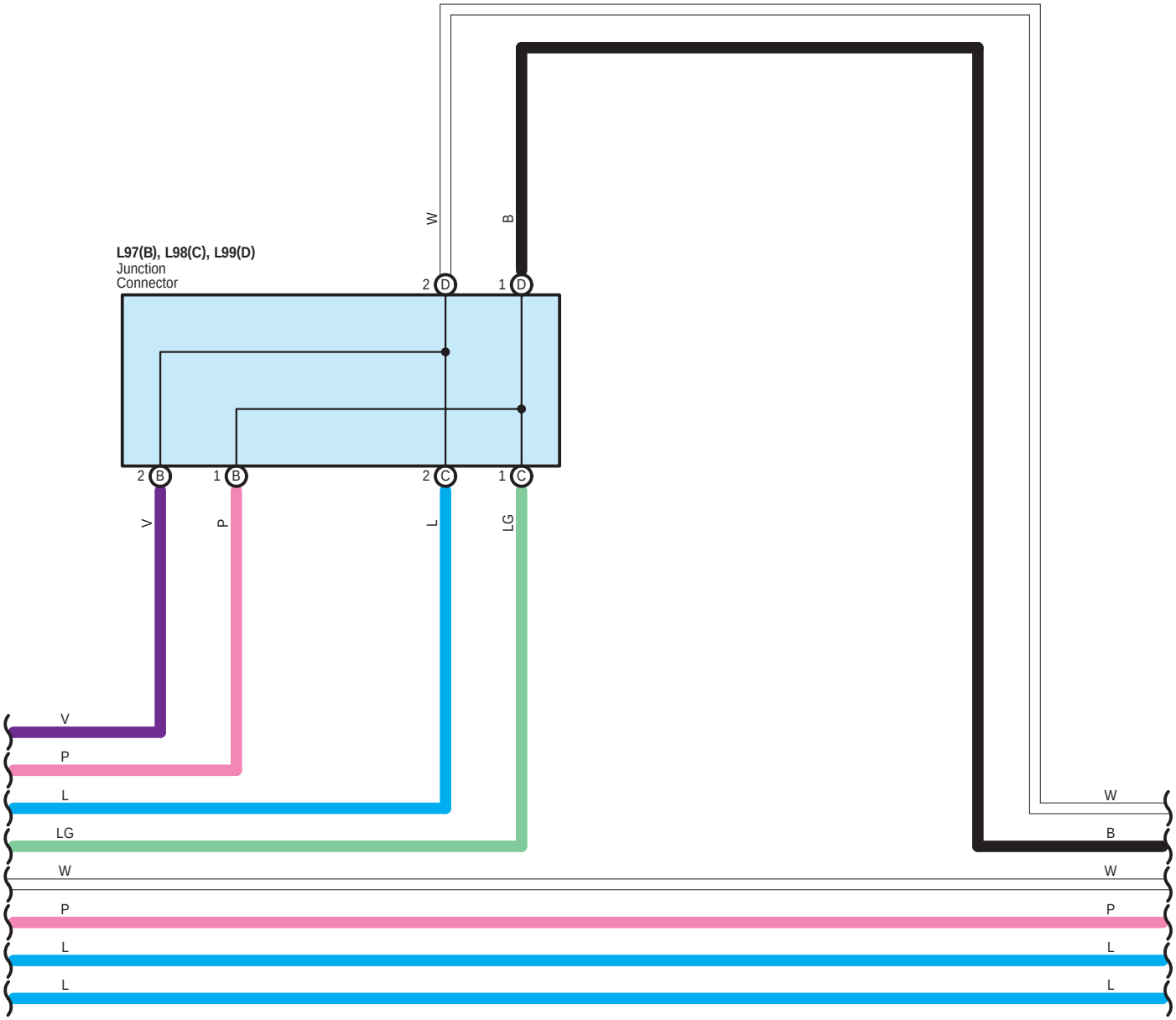

(IG)
10A
ECU–IG
NO. 2
16 2B
BE
76 3B
88 3B
B
24 4A
96 4B
R
8 B
IG1
(BAT)
30A
PSB
2
2 2A
B
7 A
+B
L2(A), L3(B)
Seat Belt Control ECU
PGND
MOL+
MOL–
MOR+
MOR–
CANH
CANL
8 A
3 A
4 A
2 A
1 A
1 B
2 B
W–B
B
W
B
W
LG
L
6 LR1
5 LR1
12 LS1
11 LS1
B
W
B
W
1
M
2
1
M
2
R8
Front Pre–Collision
Seat Belt Motor LH
S7
Front Pre–Collision
Seat Belt Motor RH
L
LG
L1

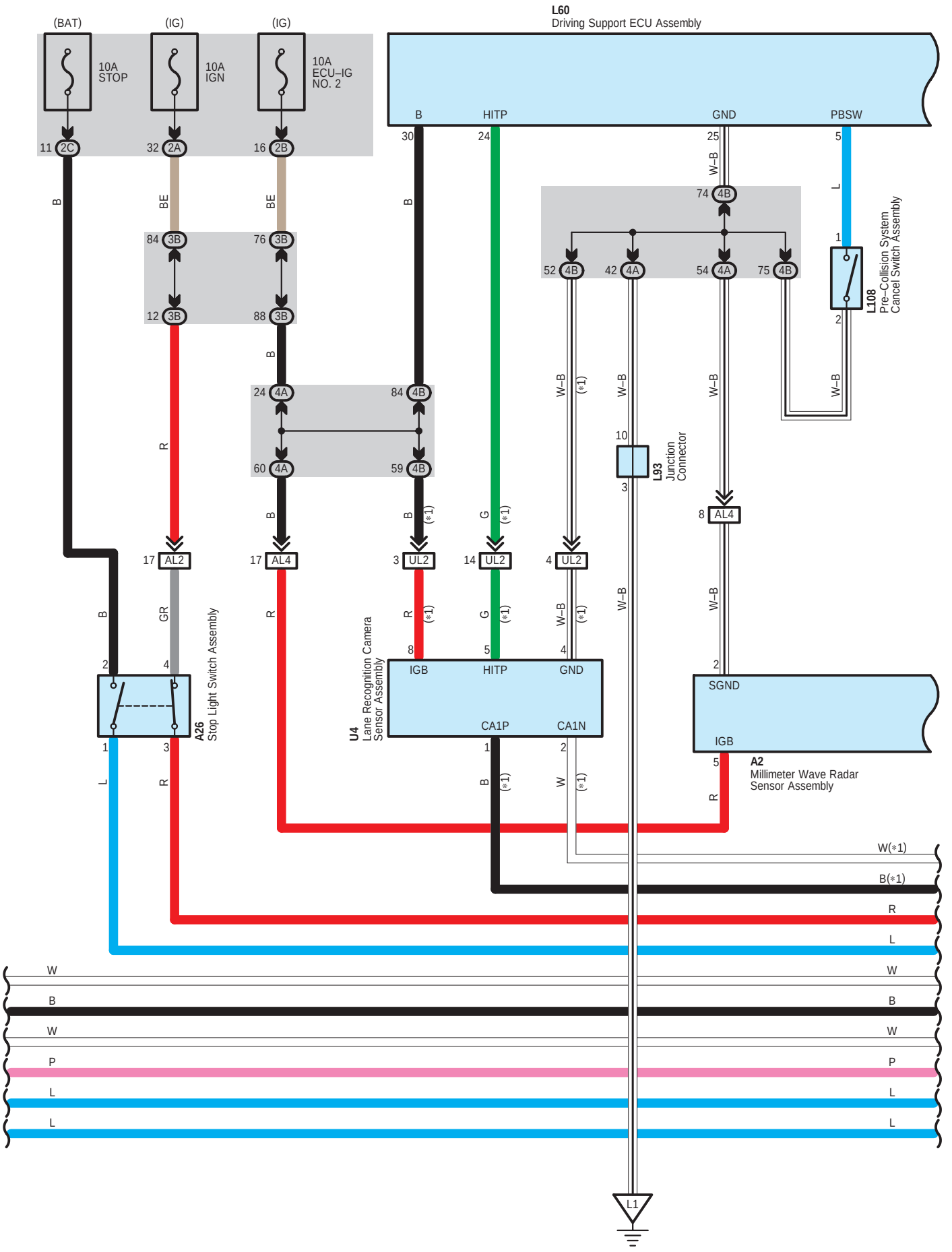

(IG)
10A
ECU–IG
NO. 2
16 2B
BE
76 3B
3 3B
B
2
IG1
BZ
L46
Skid Control
Buzzer Assembly
1
BR
13 AL2
BR
13
BZ
A58
Skid Control ECU with Actuator Assembly
VCSK
SKS
SKG
SKS2
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
39
42
41
40
22
9
20
7
31
32
18
5
W
B
W
B
R
G
P
L
(Shielded)
B
R
W
G
Rear Speed
Sensors
Front Speed
Sensors
3
4
1
2
VCSK
SKS1
SKG
SKS2
A30
Brake Pedal Stroke Sensor Assembly
W–B
5
A56
Junction Connector
8
BR
L
LG
L
LG
BR
A3

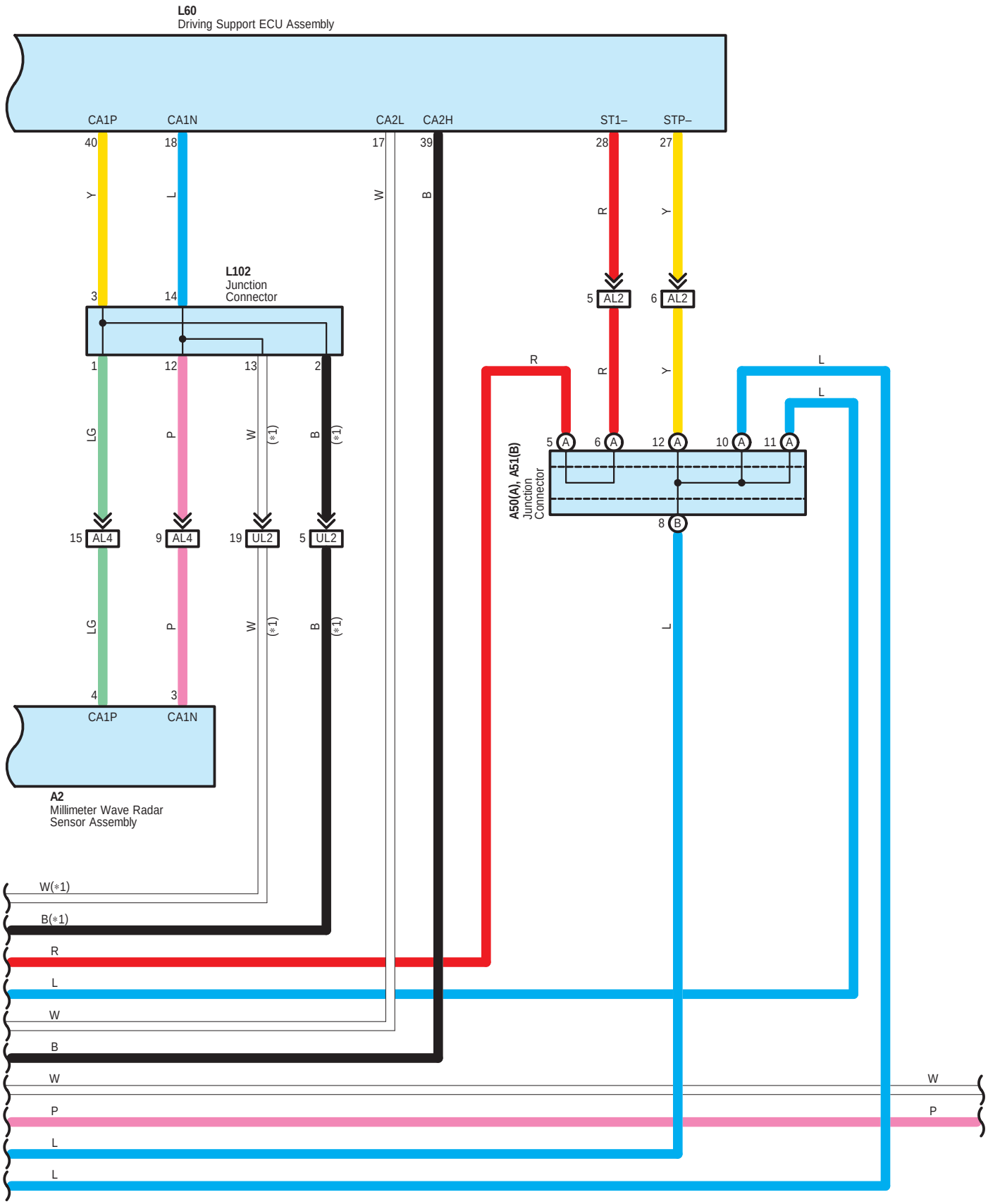

L51
Steering Sensor
CANH
CANL
4
3
V
W
3 AL3
2 AL3
LG
L
L
W
10
21
2
13
7
18
L94
Junction
Connector
L
LG
38
37
CA1L
CA1H
1
12
8
19
P
W
Y
L
A58
Skid Control ECU with Actuator Assembly
STP2
EXO
STPO
STP
6
21
3
33
3
2
CANH
CANL
L12
Yaw Rate
Sensor Assembly
BE
BE
Y
L
3 B
3 A
A50(A), A51(B)
Junction Connector
4
9
ESSI
ACC
OUT
STP
A28
Stop Light Control
Relay Assembly
1
5
G
G
L
L
LG
L
LG
W
P
L
L

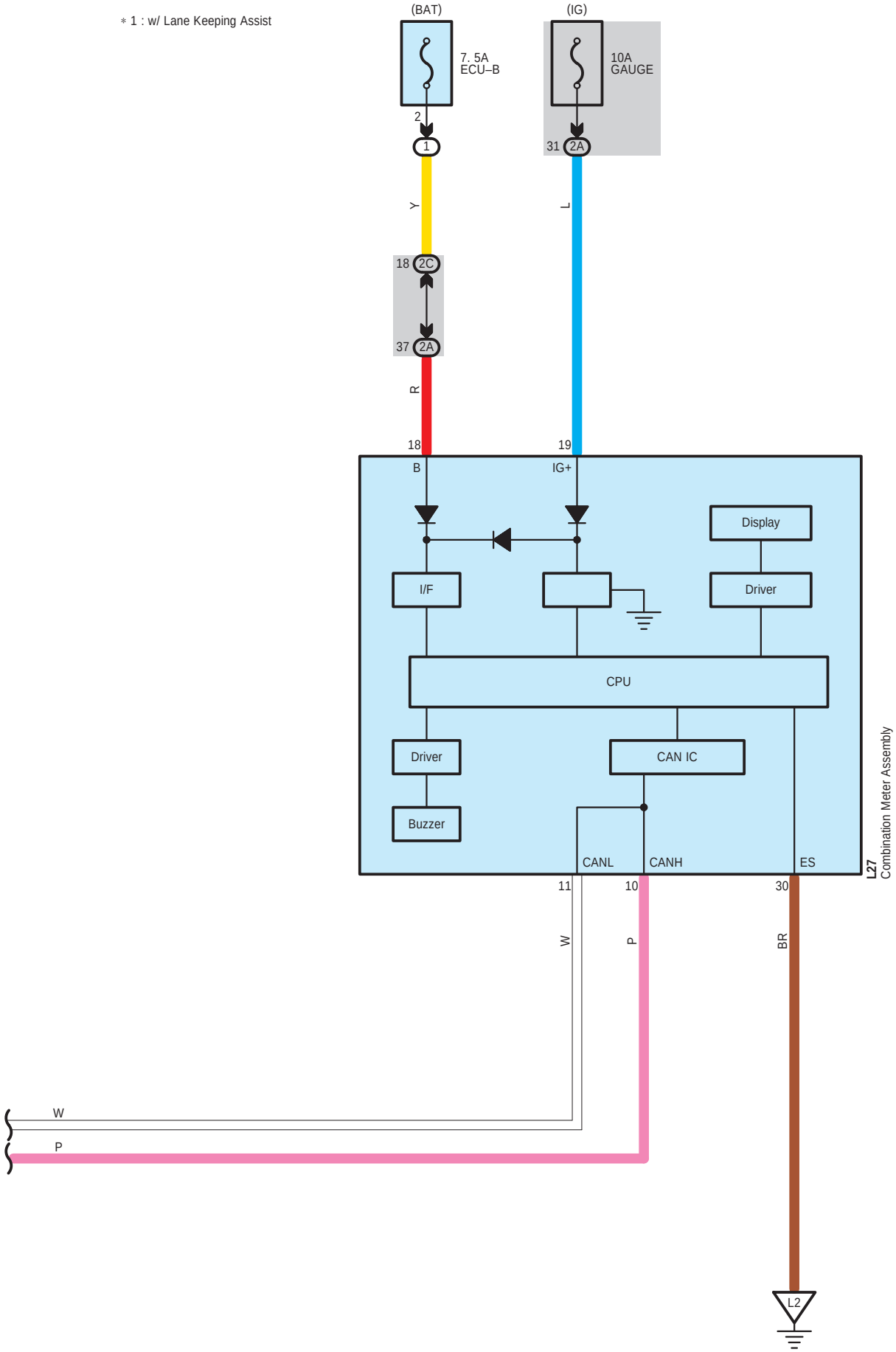

W3(B)
Occupant Detection ECU
8 B
4 B
9 B
5 B
L
LG
1 SW1
4 SW1
W
B
G
P
12 C
13 C
1
2
FSR+
FSR–
Buckle Switch
W5
Front Seat Inner
Belt Assembly RH
V
W
G
R
R
G
14
3
16
5
13 A
22 A
CANH
CANL
LBE+
LBE–
L95
Junction
Connector
L16(A), R1(B), S1(C)
Center Airbag Sensor Assembly
19
8
11 B
12 B
W
B
G
V
2
1
LBE+
LBE–
Buckle Switch
R4
Front Seat Inner Belt Assembly LH
24 D
25 D
CA1L
CA1H
CA2H
CA2L
34 C
35 C
L5(C), L6(D)
Power Management Control ECU
P
V
V
P
L
LG
W
P
L
L
L
L
LG
W
P
L
L

∗ 1 : w/ Lane Keeping Assist

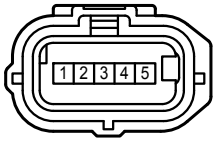



(BAT)
(IG)
(IG)
10A
STOP
10A
IGN
10A
ECU–IG
NO. 2
L60
Driving Support ECU Assembly
B
HITP
GND
PBSW
11 2C
32 2A
16 2B
30
24
25
5
W–B
74 4B
L
1
L108
Pre–Collision System
Cancel Switch Assembly
2
84 3B
76 3B
12 3B
88 3B
52 4B
42 4A
54 4A
75 4B
B
BE
R
24 4A
84 4B
60 4A
59 4B
(*1)
G
10
L93
Junction
Connector
3
8 AL4
17 AL2
17 AL4
3 UL2
14 UL2
4 UL2
GR
2
4
A26
Stop Light Switch Assembly
U4
Lane Recognition Camera
Sensor Assembly
IGB
HITP
GND
CA1P
CA1N
8
5
4
1
3
2
SGND
IGB
5
A2
Millimeter Wave Radar
Sensor Assembly
W(*1)
B(*1)
R
L
W
B
P
L1

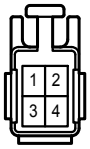

L60
Driving Support ECU Assembly
CA1P
CA1N
CA2L
CA2H
ST1–
STP–
40
18
17
39
28
27
Y
L
W
B
R
Y
L102
Junction
Connector
5 AL2
6 AL2
3
14
1
12
13
2
R
L
L
LG
P
W
(*1)
B
(*1)
5 A
6 A
12 A
10 A
11 A
A50(A), A51(B)
Junction
Connector
8 B
15 AL4
9 AL4
19 UL2
5 UL2
4
3
CA1P
CA1N
A2
Millimeter Wave Radar
Sensor Assembly
W(*1)
B(*1)
R
L
W
B
W
P
L
L
W
P


* 1 : w/ Lane Keeping Assist
(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
18
19
B
IG+
Display
I/F
Driver
CPU
Driver
CAN IC
Buzzer
CANL
CANH
ES
L27
Combination Meter Assembly
11
10
30
W
P
BR
W
P
L2

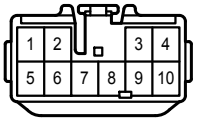
A 2
Black



A 26
White

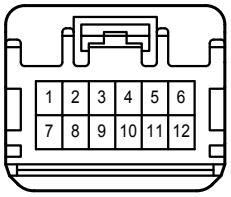


A 28
Black

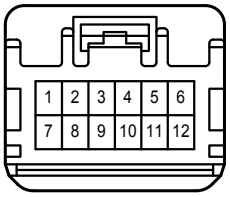


A 30
Black

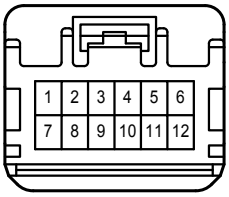
A 50
White



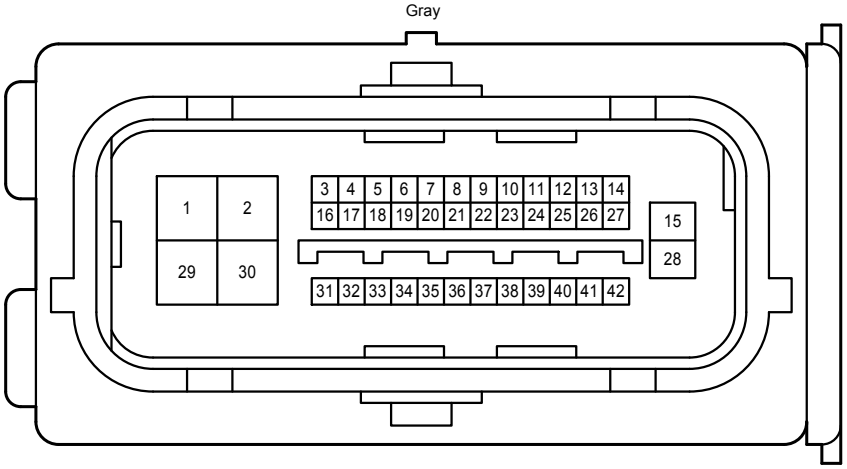
A 51
White



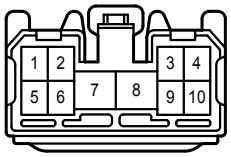
A 56
White



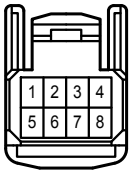
A 58
Gray



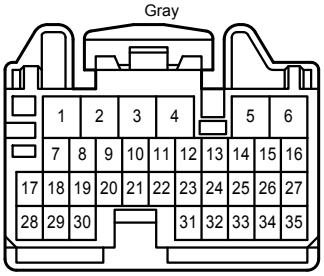
L 2
White



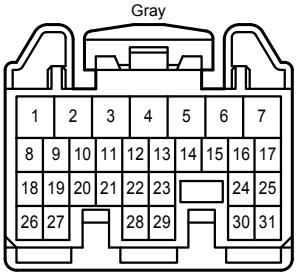
L 3
White



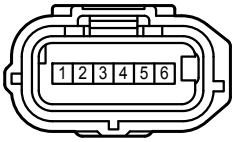
L 5
Gray



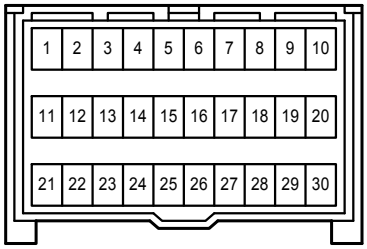
L 6
Gray



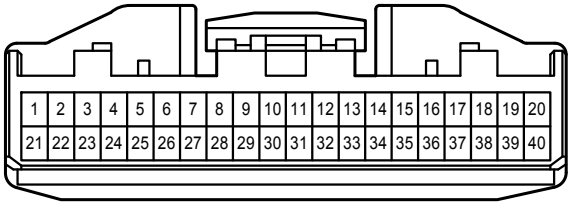
L 12
Black



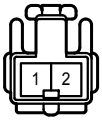
L 16
Yellow



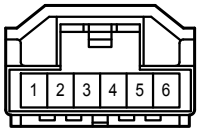
L 27
White



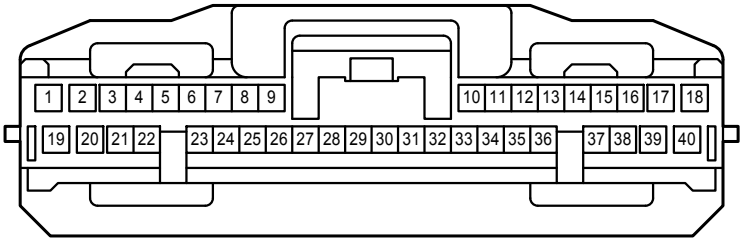
L 46
Blue



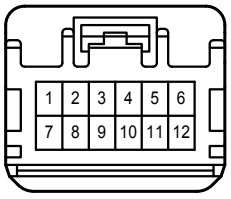
L 51
White



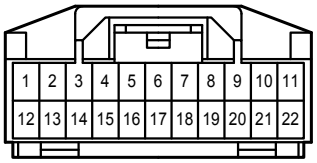
L 60
White



L 93
White



L 94
White



L 95
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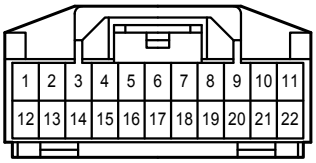

L 97
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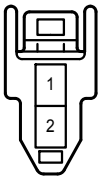
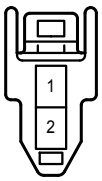
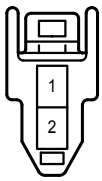


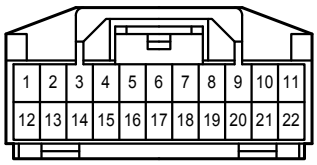
L 98
White



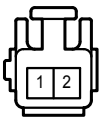
L 99
White



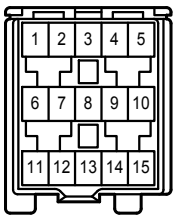
L102
Blue



L108
Black

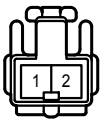


R 1
Yellow

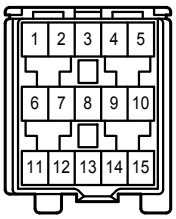


R 4
White

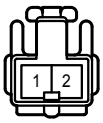
R 8
White



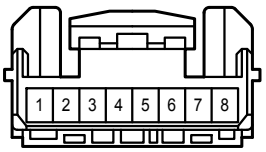
S 1
Yellow



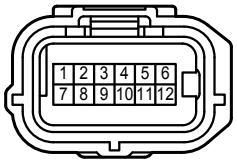
S 7
White



U 4
White

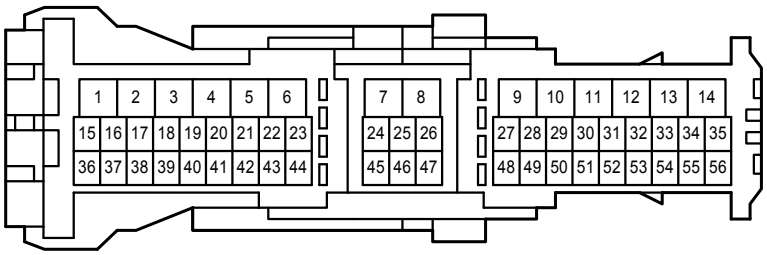


W 3
Black

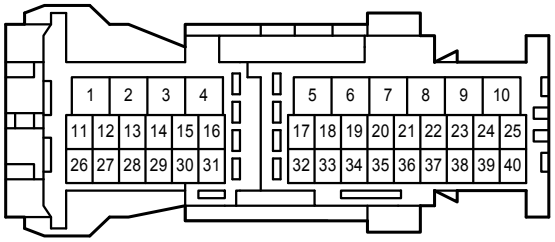


W 5
Gray

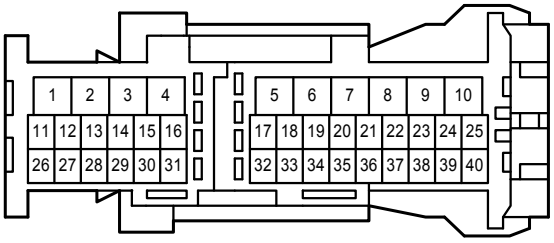
2A
White



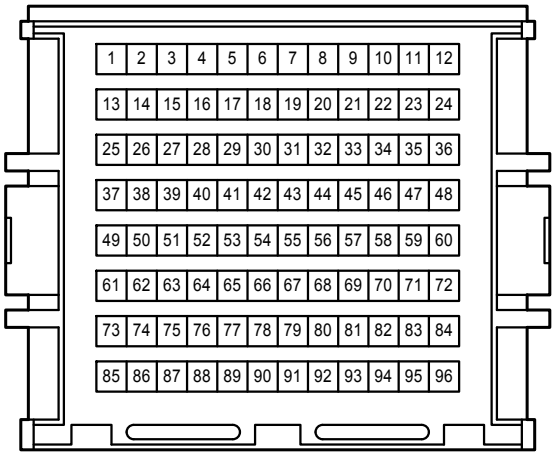
2B
White



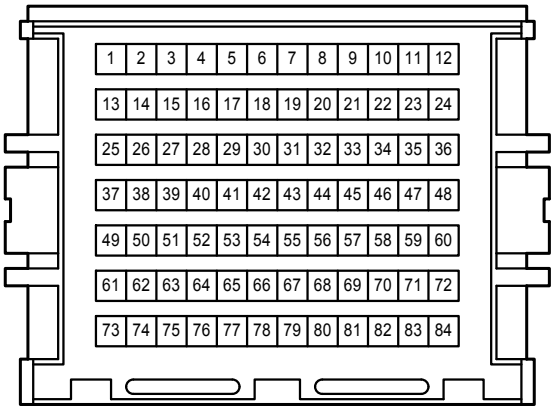
2C
White



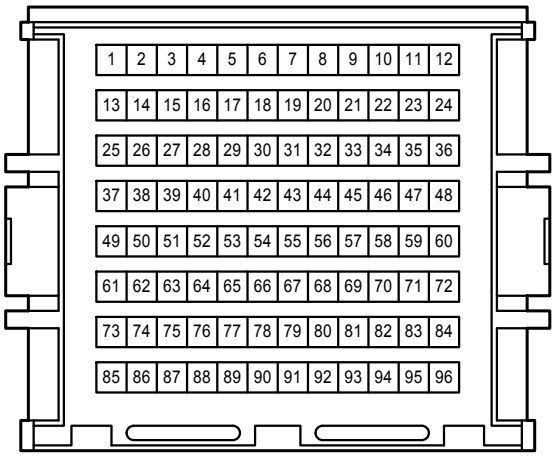
3B
White



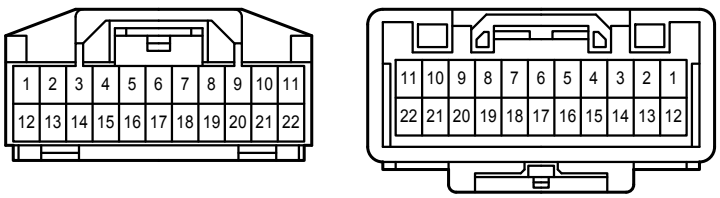
4A
White



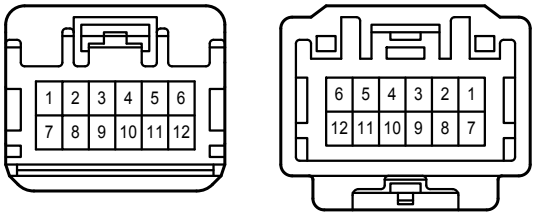
4B
White



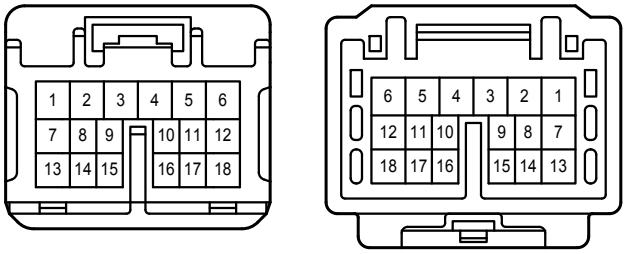
AL2
Gray



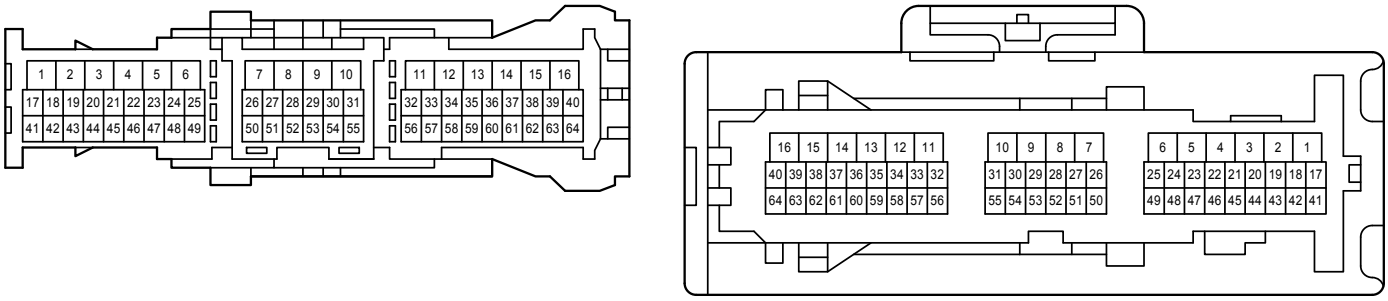
AL3
White



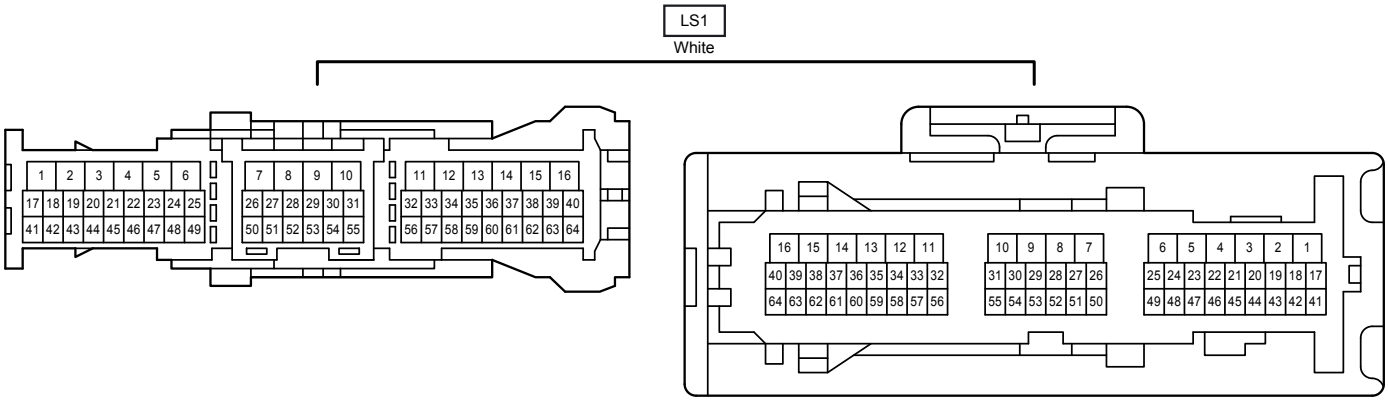
AL4
Black



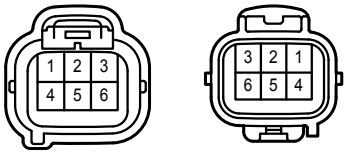
LR1
White

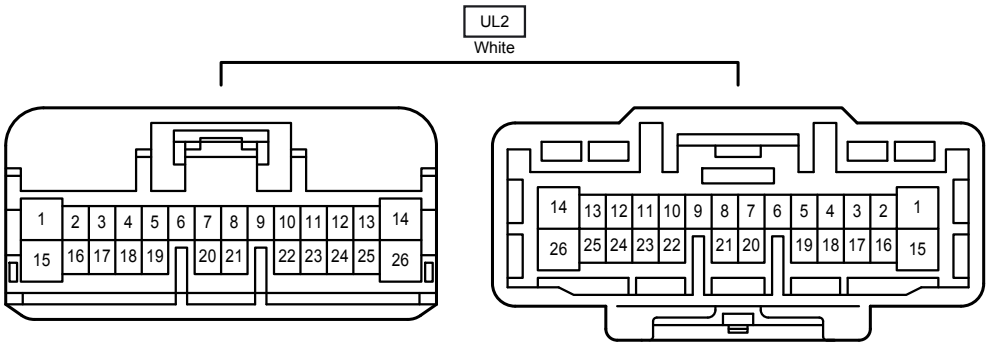


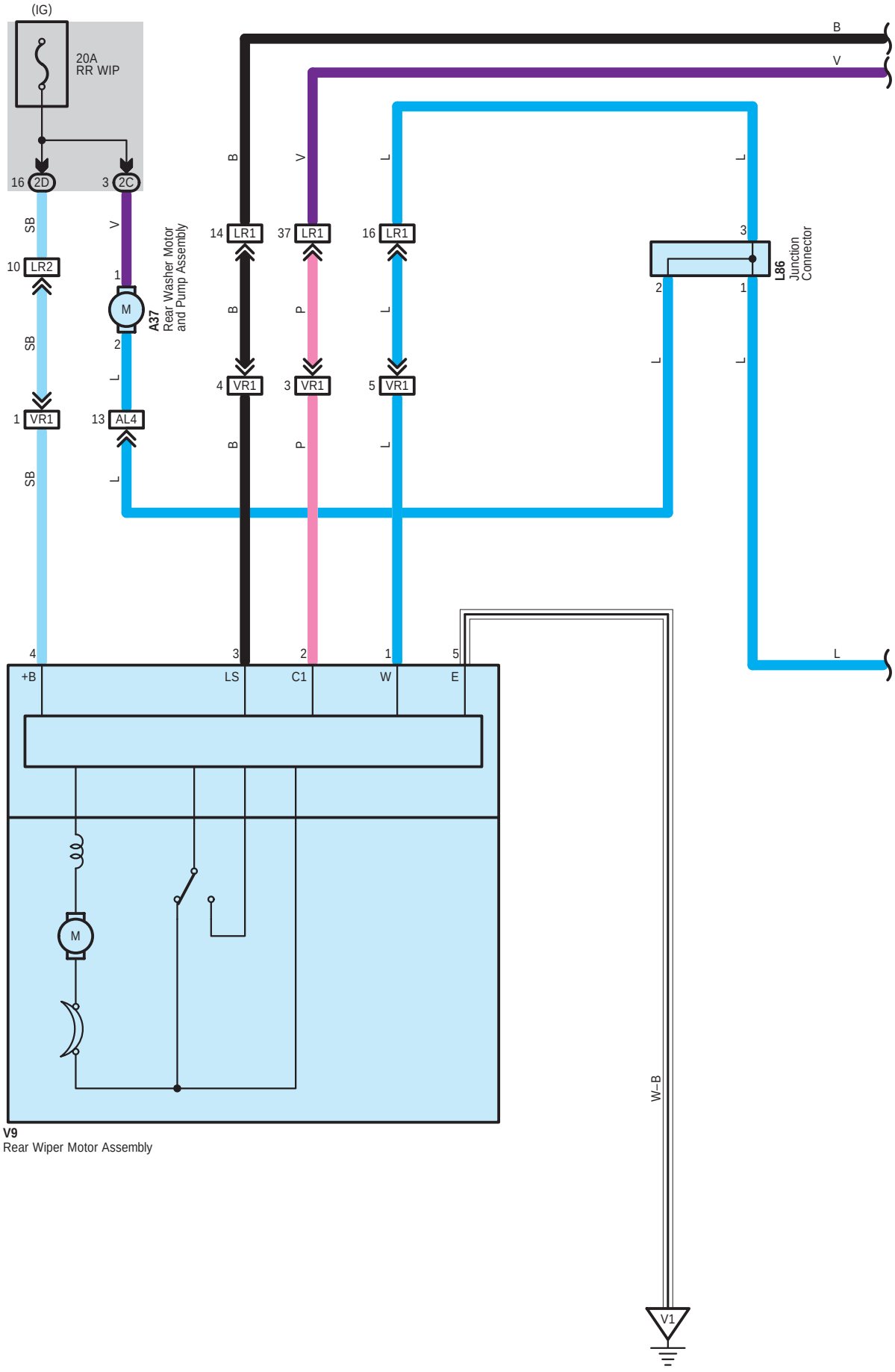
LS1
White

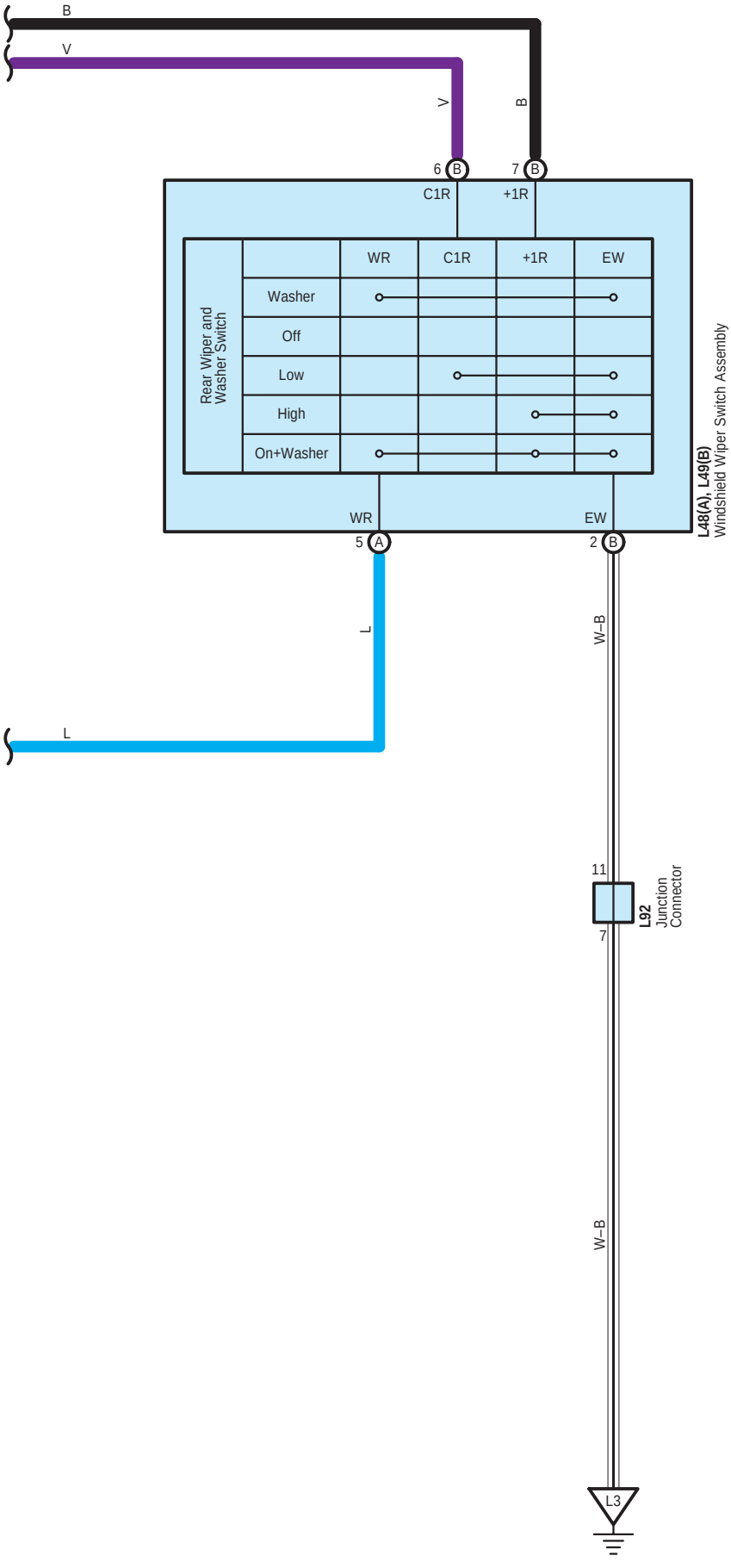


SW1
Gray

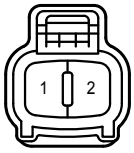



UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15


(IG)
20A
RR WIP
16 2D
3 2C
SB
V
10 LR2
1 VR1
SB
SB
1
M
2
A37
Rear Washer Motor
and Pump Assembly
L
13 AL4
L
B
V
L
14 LR1
37 LR1
16 LR1
B
P
L
4 VR1
3 VR1
5 VR1
B
P
L
B
V
L
L
3
L86
Junction
Connector
2
1
L
L
L
4
3
2
1
5
+B
LS
C1
W
E
M
V9
Rear Wiper Motor Assembly
W–B
V1

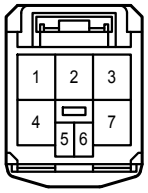

B
V
V
B
6 B
7 B
C1R
+1R
WR
C1R
+1R
EW
Rear Wiper and Washer Switch
Washer
Off
Low
High
On+Washer
WR
EW
5 A
2 B
L48(A), L49(B)
Windshield Wiper Switch Assembly
L
L
W–B
11
L92
Junction Connector
7
W–B
L3

A 37
Gray

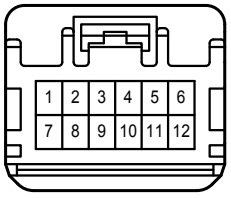


L 48
White

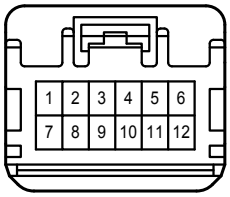
L 49
White



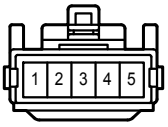
L 86
Black



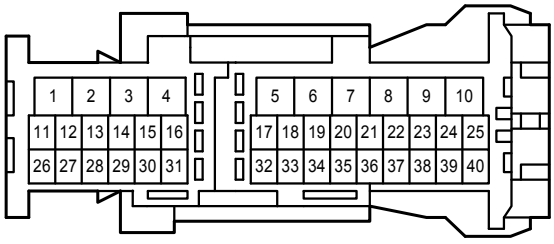
L 92
White



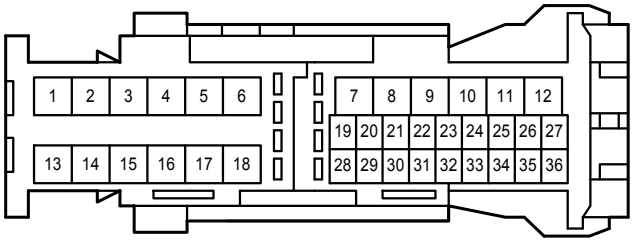
V 9
White



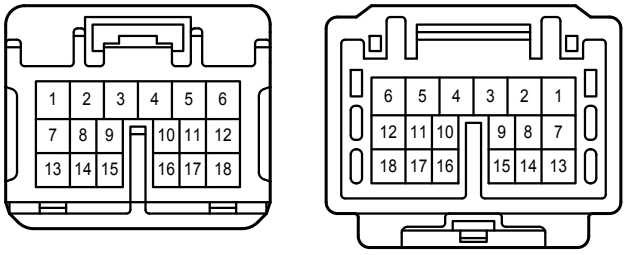
2C
White



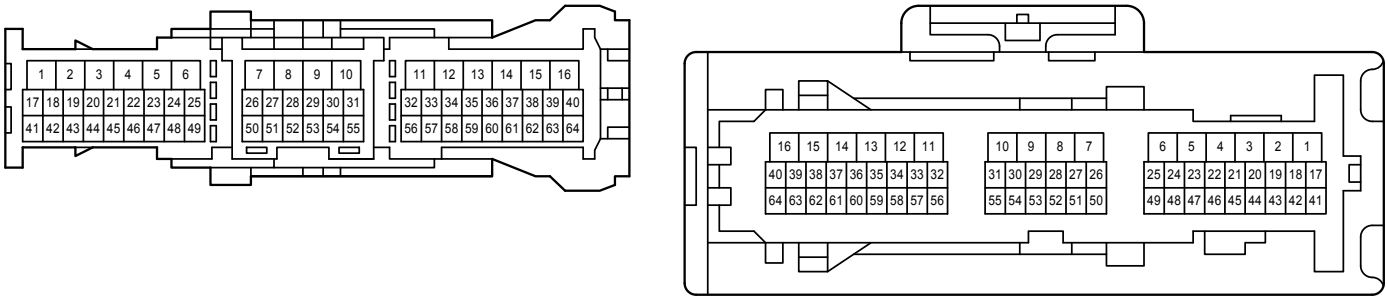
2D
White

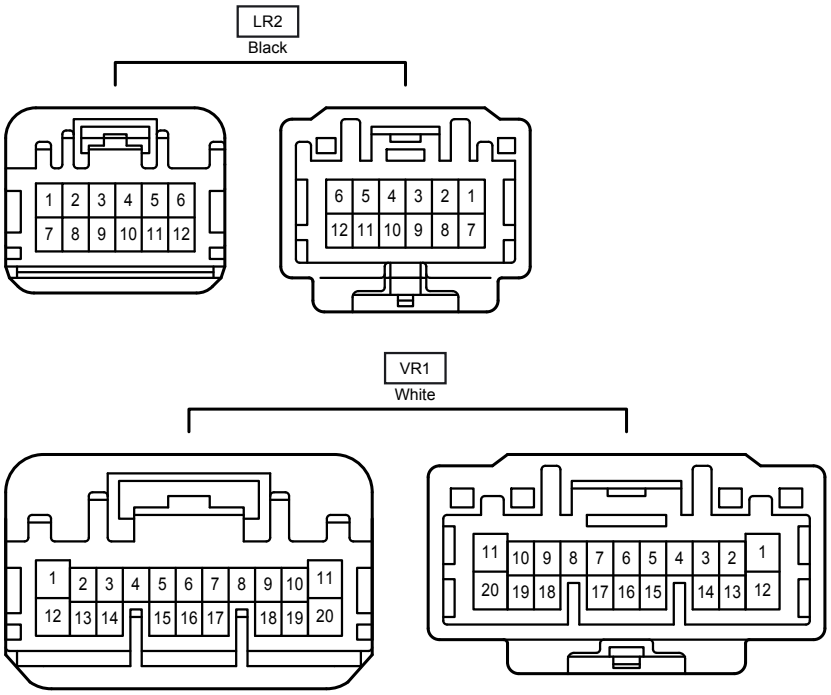


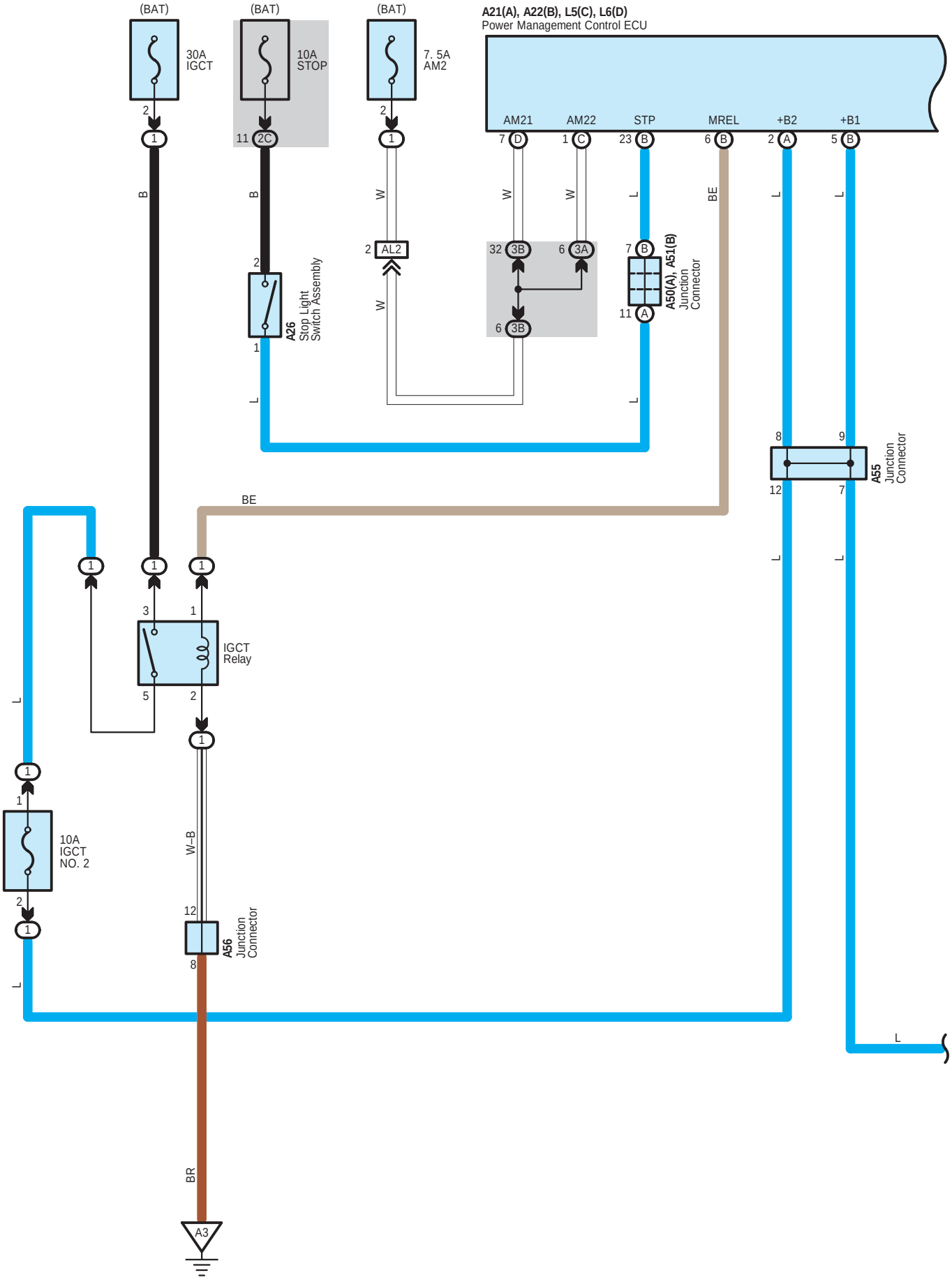
AL4
Black

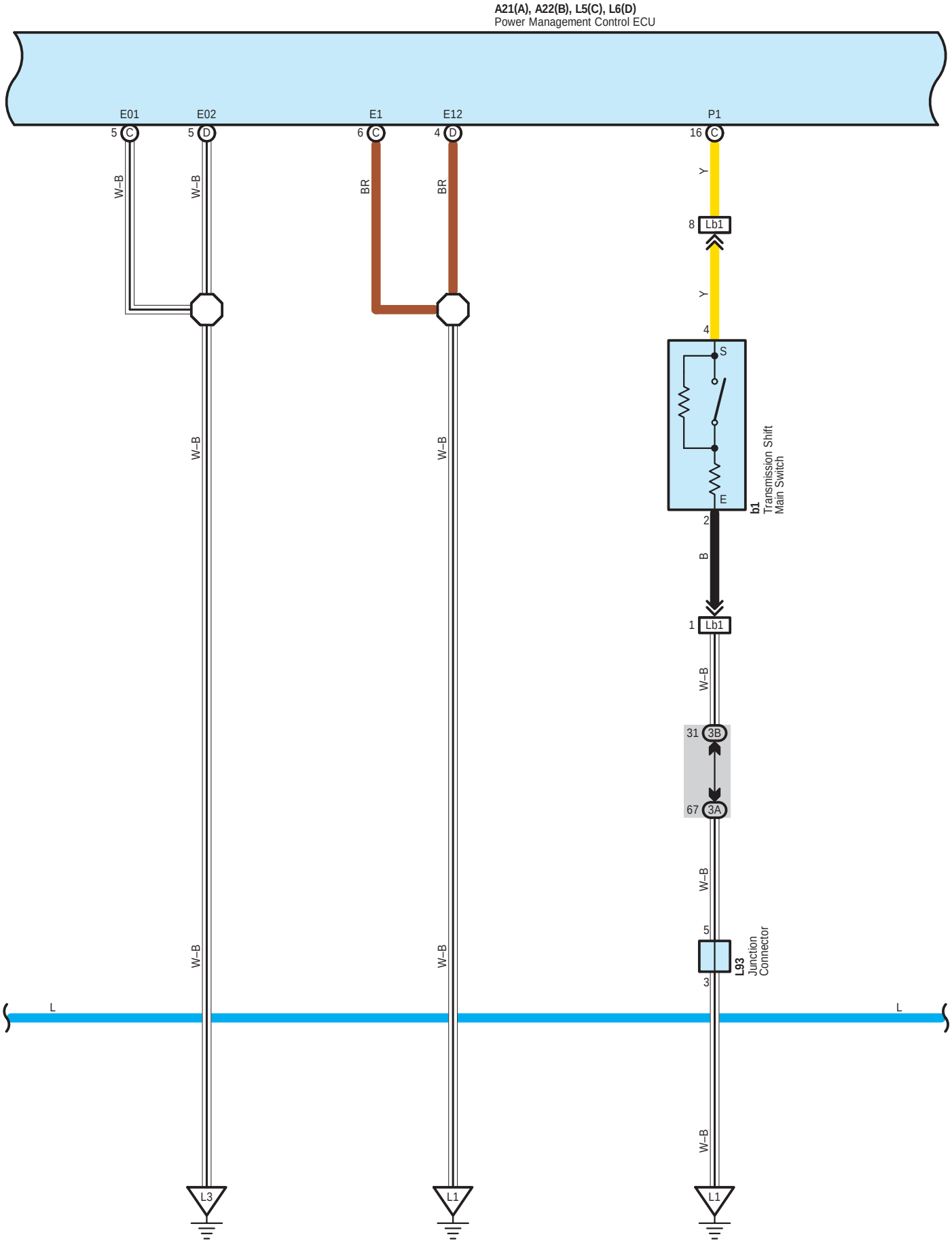


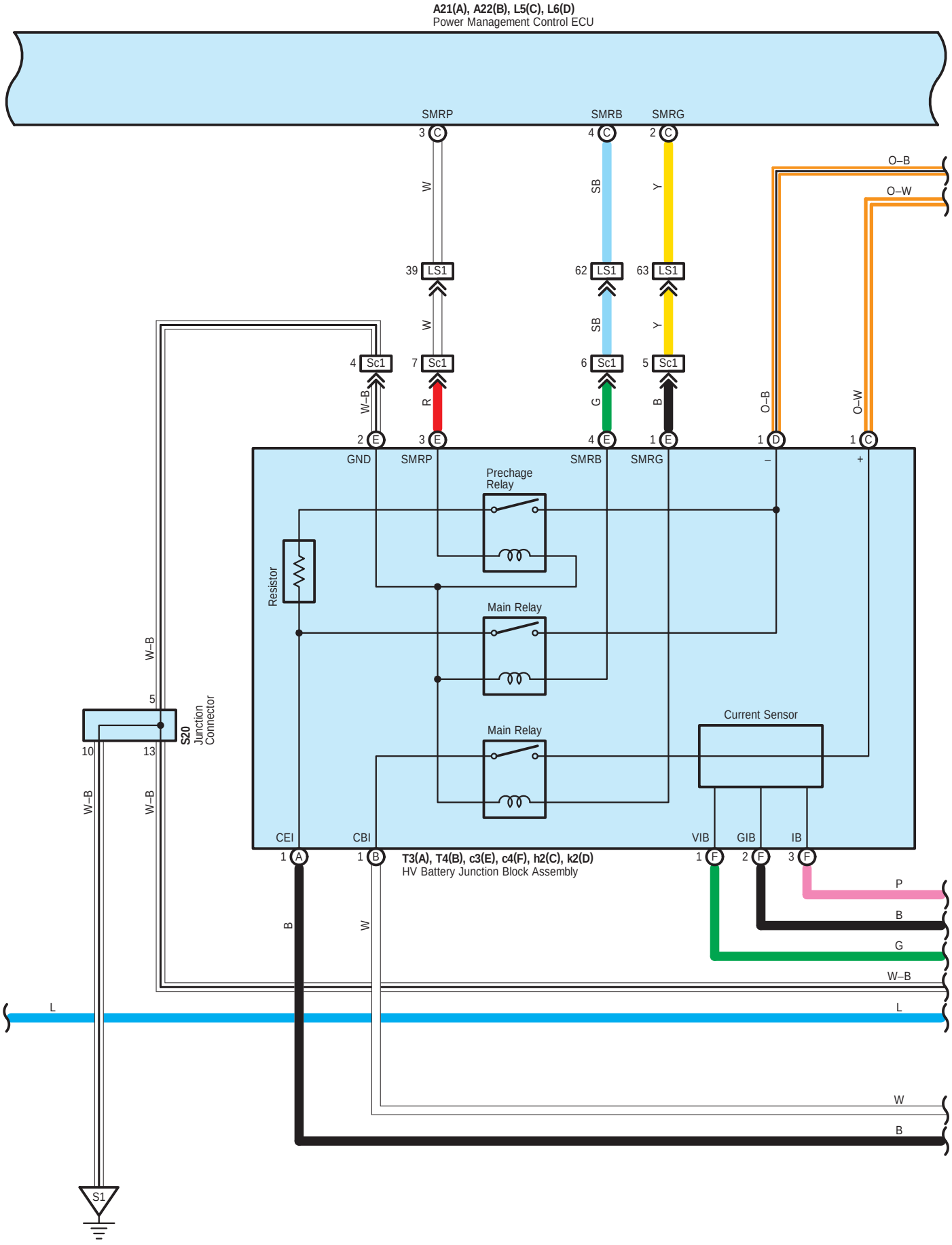
LR1
White

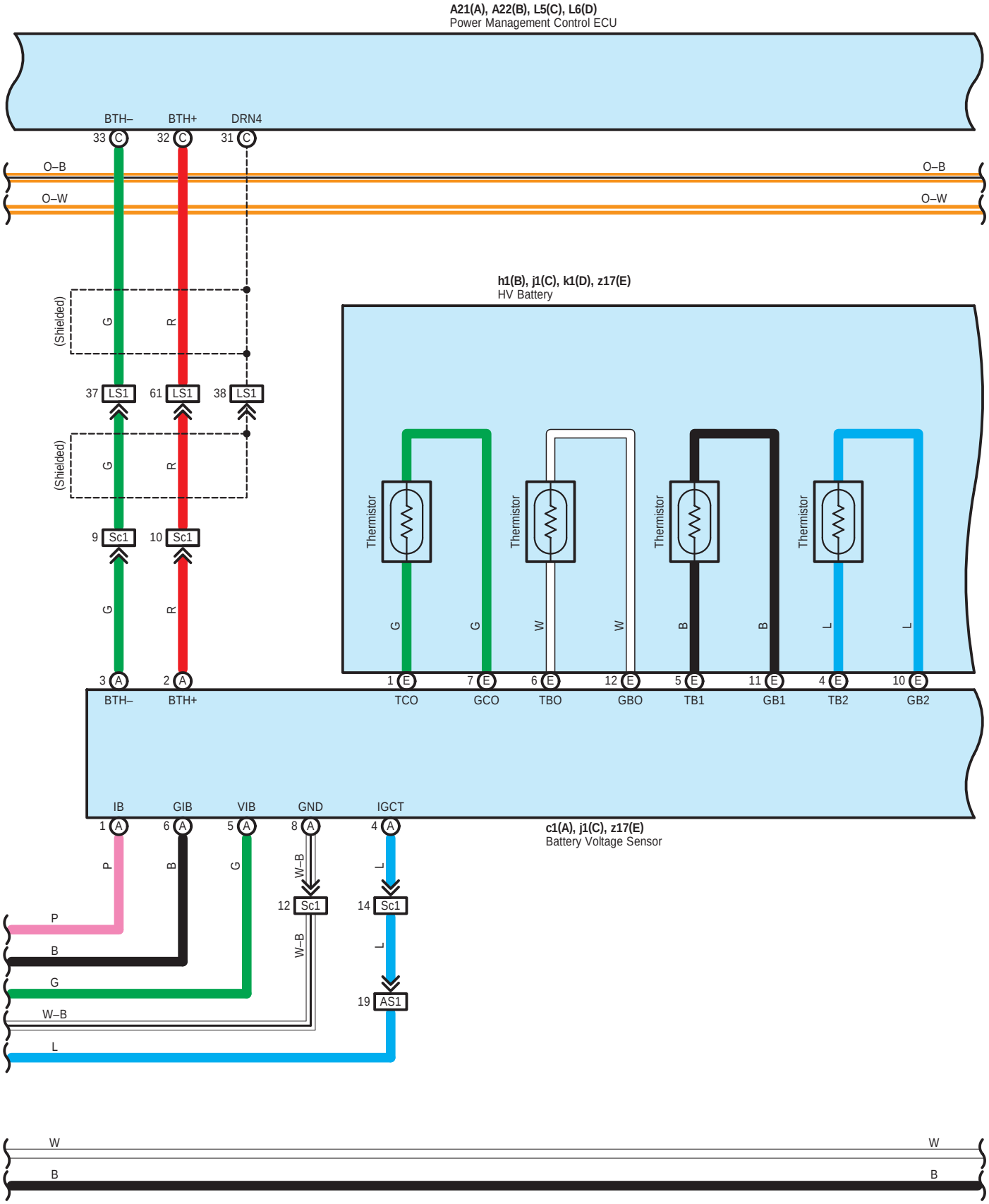


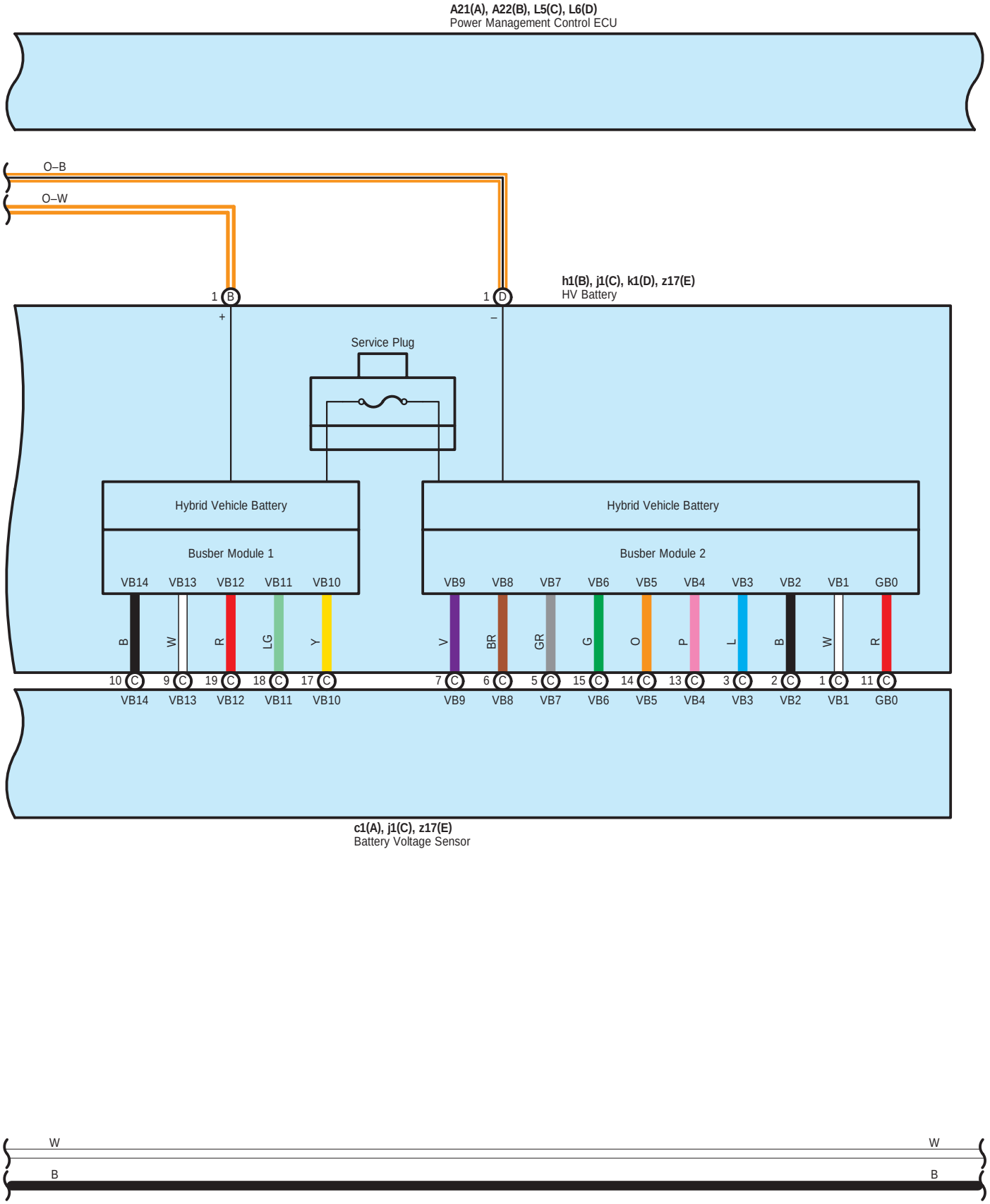

LR2
Black
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7
VR1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12


(BAT)
30A
IGCT
(BAT)
10A
STOP
(BAT)
7. 5A
AM2
A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
AM21
AM22
STP
MREL
+B2
+B1
A26
Stop Light
Switch Assembly
AL2
A50(A), A51(B)
Junction
Connector
A55
Junction
Connector
IGCT
Relay
10A
IGCT
NO. 2
A56
Junction
Connector
A3
B
W
L
BE
W–B
BR

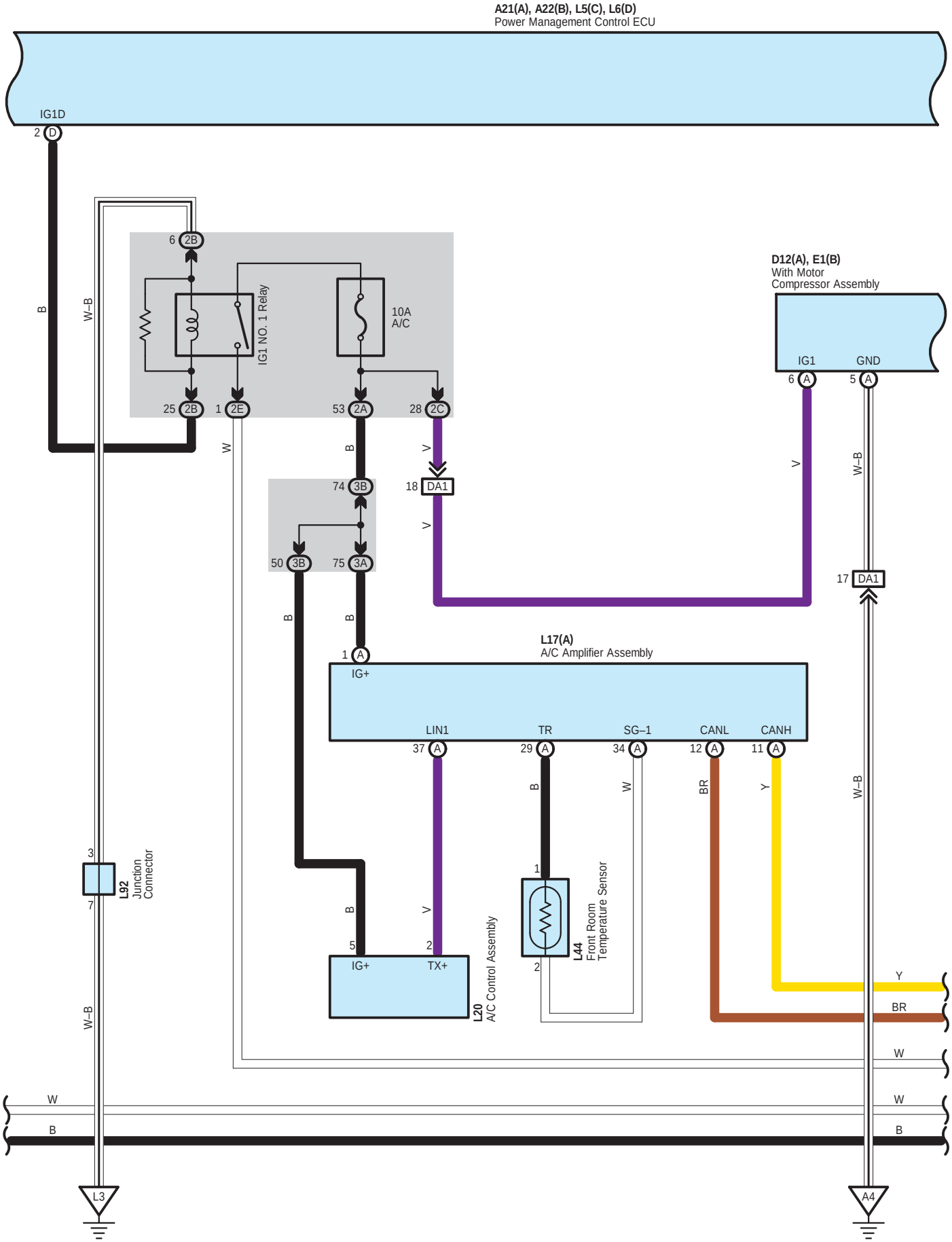

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
E01
E02
E1
E12
P1
5 C
5 D
6 C
4 D
16 C
W–B
W–B
BR
BR
Y
8 Lb1
Y
4
S
E
b1
Transmission Shift
Main Switch
2
B
1 Lb1
W–B
31 3B
67 3A
W–B
5
L93
Junction
Connector
3
W–B
W–B
W–B
W–B
L
L
L3
L1
L1

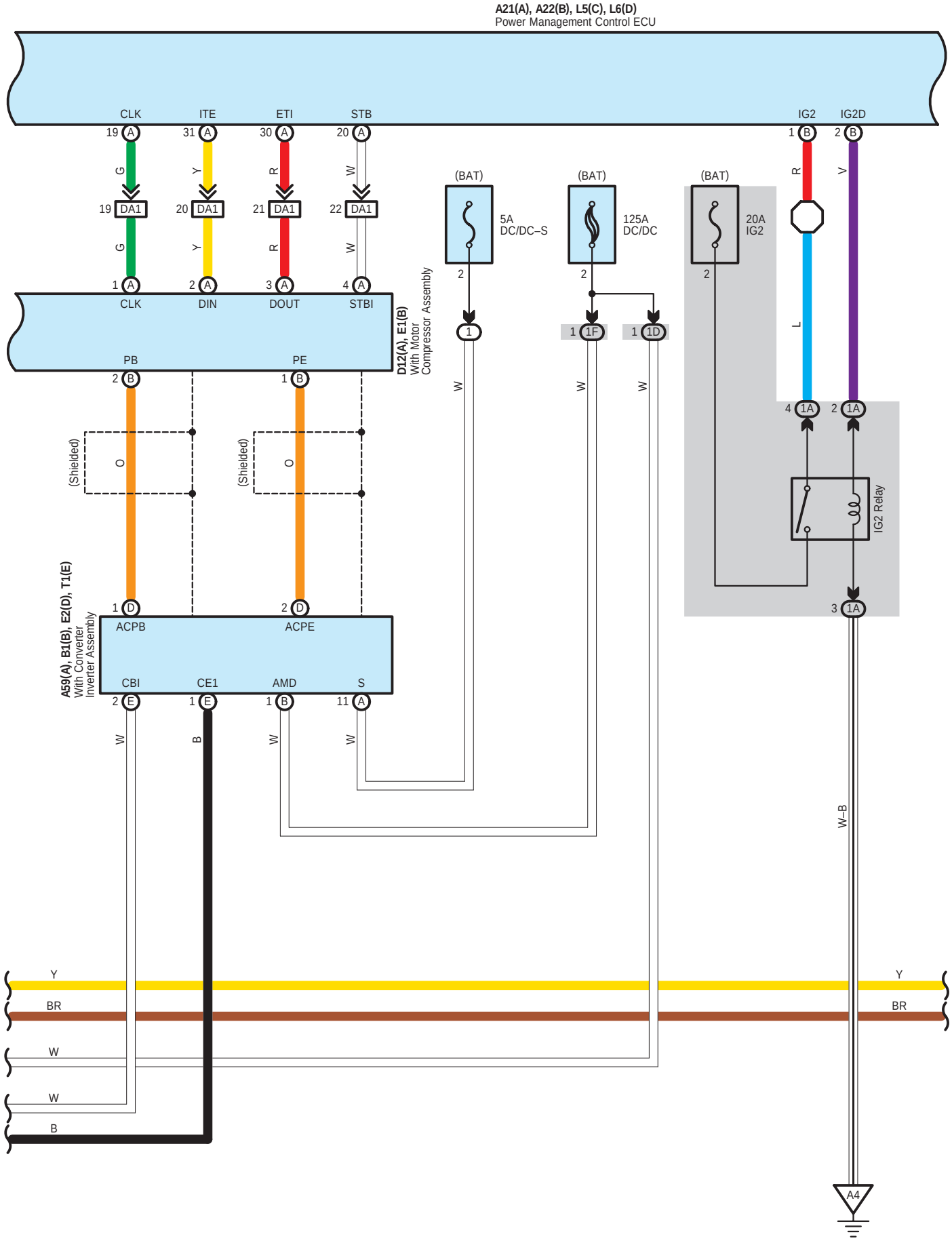

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
SMRP
SMRB
SMRG
3 C
4 C
2 C
W
SB
Y
O–B
O–W
39 LS1
62 LS1
63 LS1
W
SB
Y
4 Sc1
7 Sc1
6 Sc1
5 Sc1
W–B
R
G
B
O–B
O–W
2 E
3 E
4 E
1 E
1 D
1 C
GND
SMRP
SMRB
SMRG
–
+
Prechage Relay
Resistor
Main Relay
Main Relay
Current Sensor
W–B
5
S20
Junction Connector
10
13
W–B
W–B
CEI
CBI
VIB
GIB
IB
1 A
1 B
1 F
2 F
3 F
T3(A), T4(B), c3(E), c4(F), h2(C), k2(D)
HV Battery Junction Block Assembly
B
W
P
B
G
W–B
L
L
W
B
S1

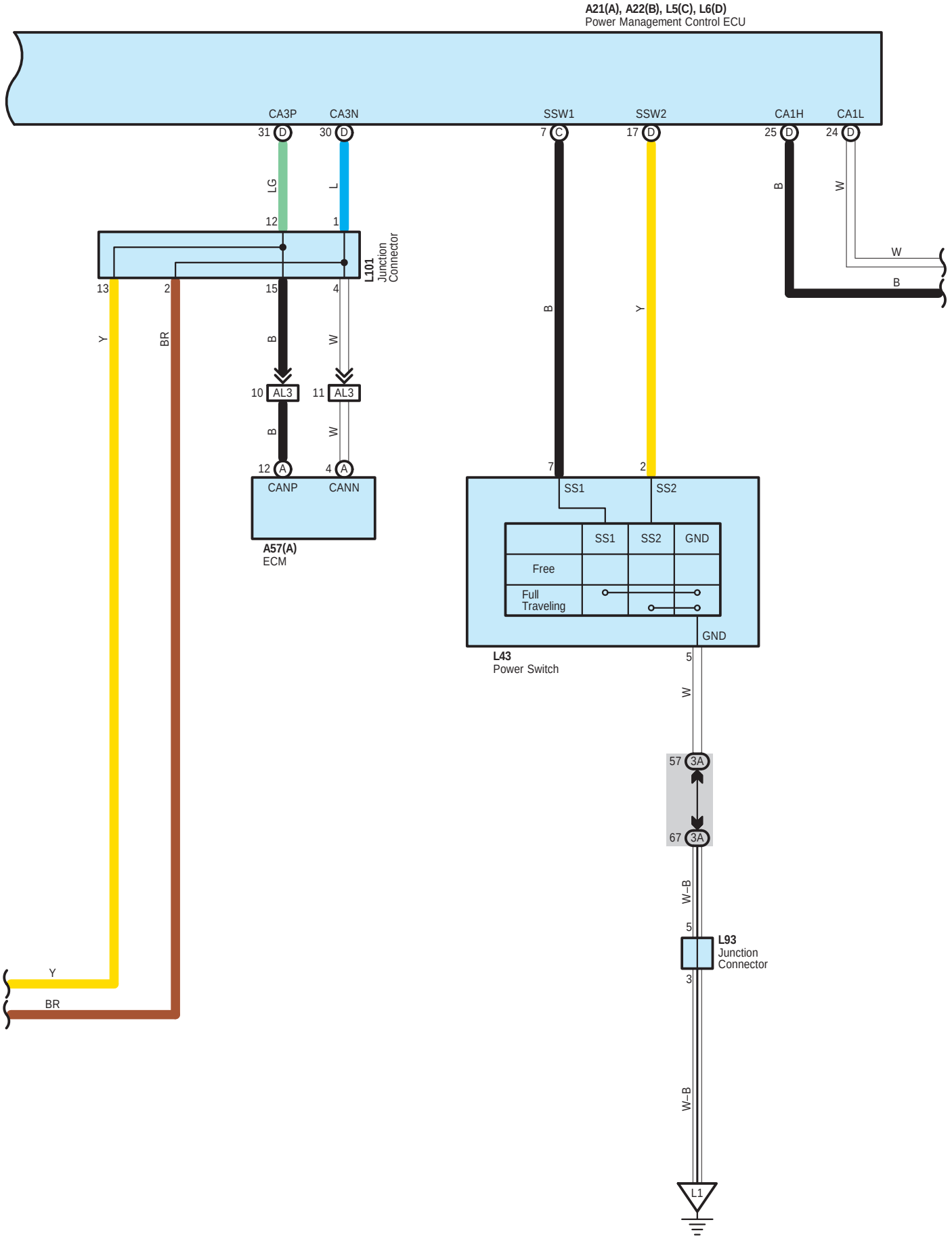

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
BTH–
BTH+
DRN4
33 C
32 C
31 C
O–B
O–W
O–B
O–W
h1(B), j1(C), k1(D), z17(E)
HV Battery
(Shielded)
G
R
37 LS1
61 LS1
38 LS1
(Shielded)
G
R
9 Sc1
10 Sc1
G
R
3 A
2 A
BTH–
BTH+
Thermistor
G
G
W
W
B
B
L
L
1 E
7 E
6 E
12 E
5 E
11 E
4 E
10 E
TCO
GCO
TBO
GBO
TB1
GB1
TB2
GB2
IB
GIB
VIB
GND
IGCT
1 A
6 A
5 A
8 A
4 A
P
B
G
W–B
L
12 Sc1
14 Sc1
19 AS1
c1(A), j1(C), z17(E)
Battery Voltage Sensor
P
B
G
W–B
L
W
B
W
B

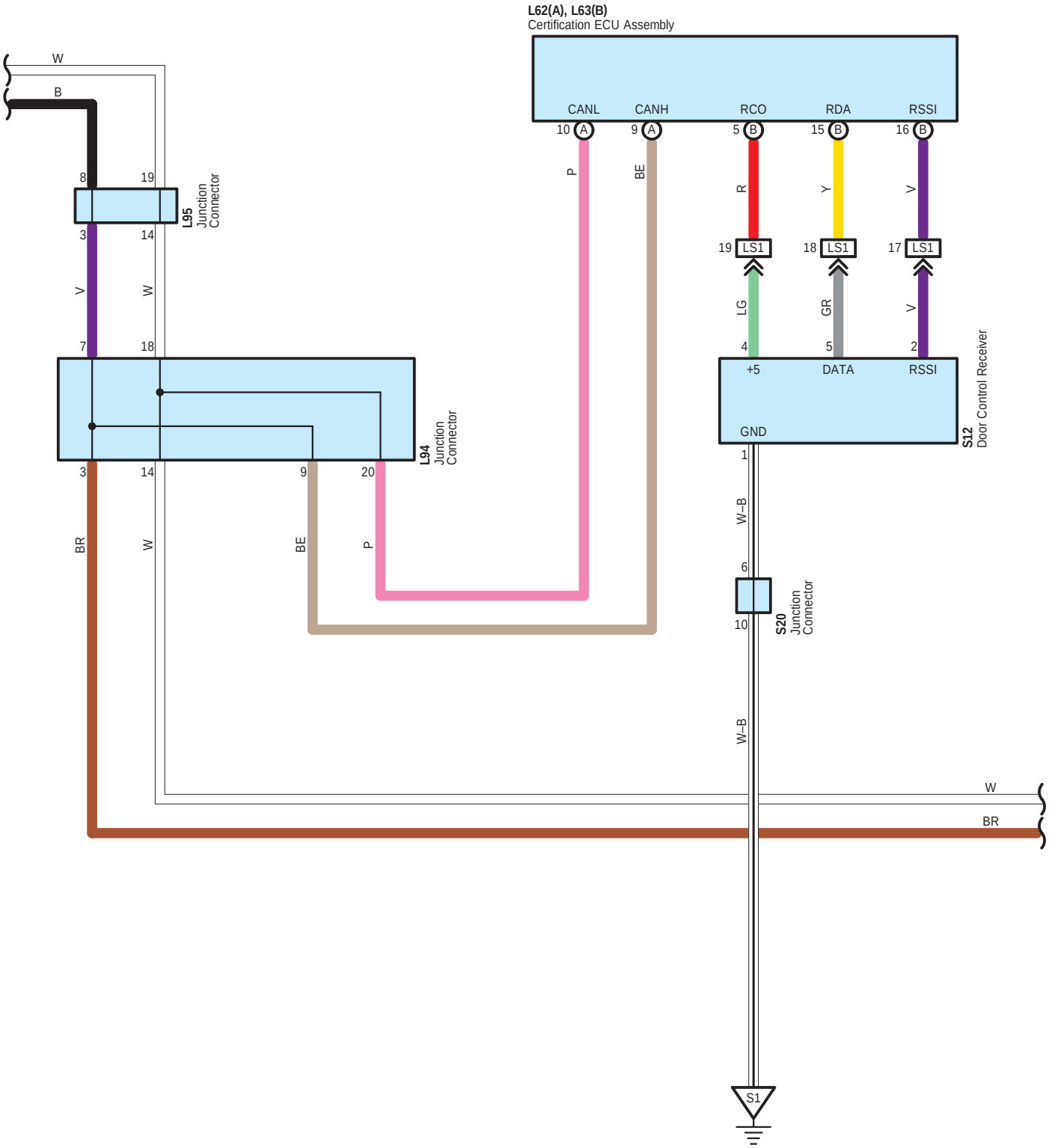

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
O–B
O–W
1 B
+
1 D
–
h1(B), j1(C), k1(D), z17(E)
HV Battery
Service Plug
Hybrid Vehicle Battery
Busber Module 1
Hybrid Vehicle Battery
Busber Module 2
VB14 VB13 VB12 VB11 VB10
VB9 VB8 VB7 VB6 VB5 VB4 VB3 VB2 VB1 GB0
B W R LG Y
V BR GR G O P L B W R
10 C 9 C 19 C 18 C 17 C
7 C 6 C 5 C 15 C 14 C 13 C 3 C 2 C 1 C 11 C
VB14 VB13 VB12 VB11 VB10
VB9 VB8 VB7 VB6 VB5 VB4 VB3 VB2 VB1 GB0
c1(A), j1(C), z17(E)
Battery Voltage Sensor

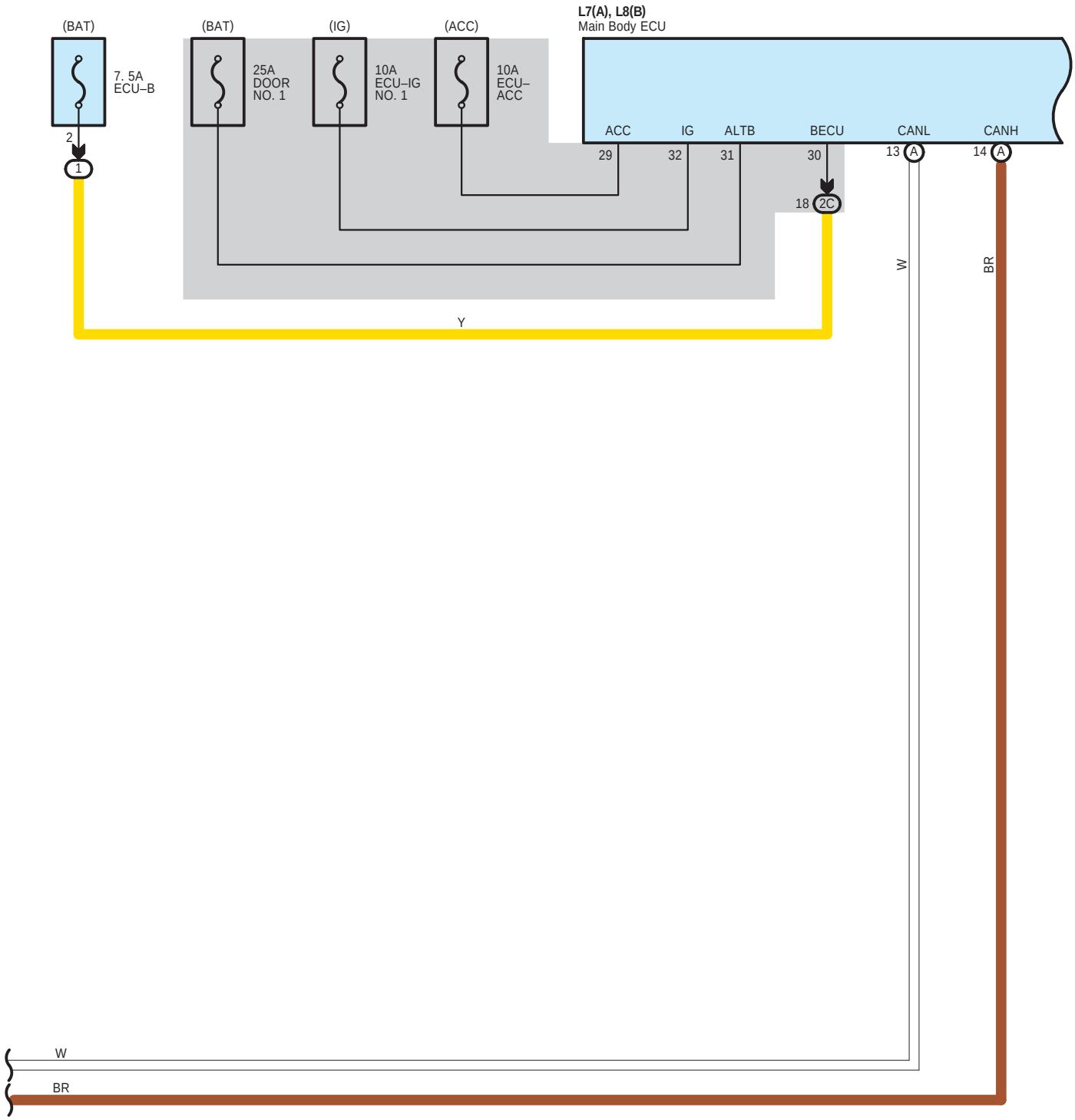
W
W
B
B

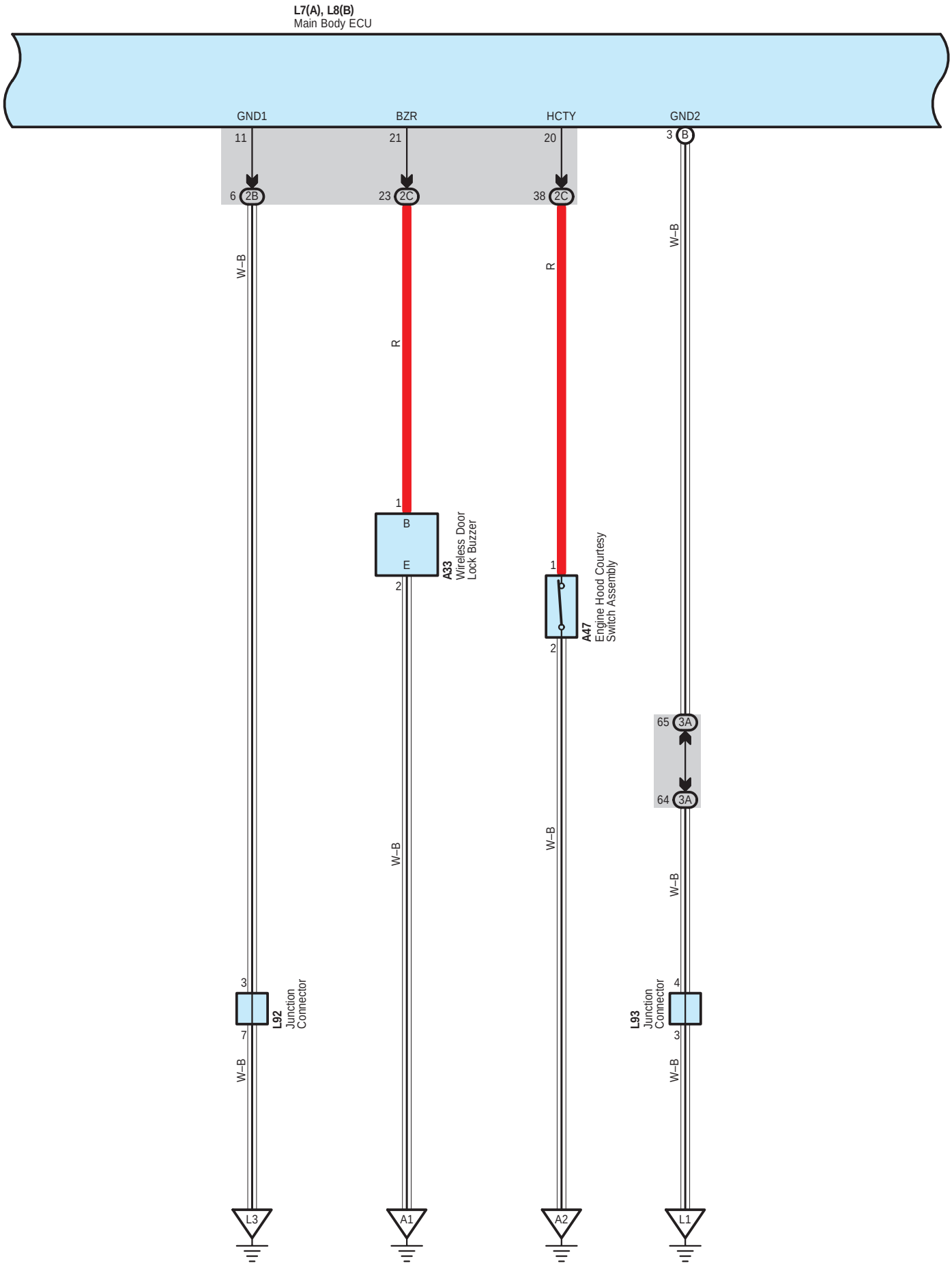

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
IG1D
2 D
B
W–B
6 2B
IG1 NO. 1 Relay
10A
A/C
25 2B
1 2E
53 2A
28 2C
W
B
V
74 3B
18 DA1
50 3B
75 3A
B
B
V
D12(A), E1(B)
With Motor
Compressor Assembly
IG1
GND
6 A
5 A
V
W–B
17 DA1
L17(A)
A/C Amplifier Assembly
1 A
IG+
LIN1
TR
SG–1
CANL
CANH
37 A
29 A
34 A
12 A
11 A
B
W
BR
Y
W–B
3
7
L92
Junction
Connector
B
V
5
2
IG+
TX+
L20
A/C Control Assembly
1
2
L44
Front Room
Temperature Sensor
Y
BR
W
W
B
W
B
W–B
L3
A4

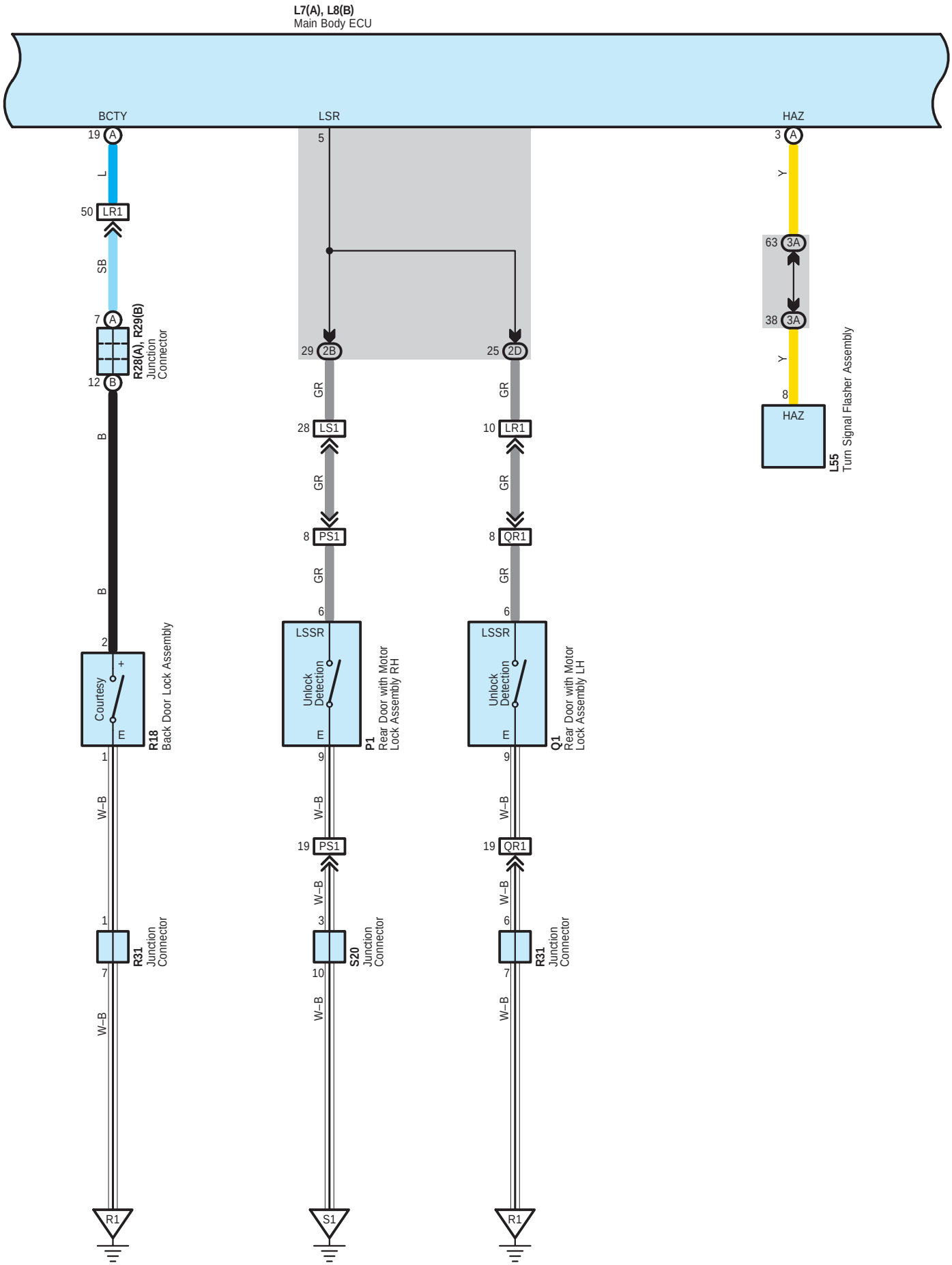

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
CLK
ITE
ETI
STB
IG2
IG2D
19 A
31 A
30 A
20 A
1 B
2 B
G
Y
R
W
R
V
19 DA1
20 DA1
21 DA1
22 DA1
G
Y
R
W
L
1 A
2 A
3 A
4 A
CLK
DIN
DOUT
STBI
D12(A), E1(B)
With Motor
Compressor Assembly
(BAT)
5A
DC/DC–S
(BAT)
125A
DC/DC
(BAT)
20A
IG2
2
1
1 1F
1 1D
2
PB
PE
2 B
1 B
4 1A
2 1A
(Shielded)
O
(Shielded)
O
IG2 Relay
3 1A
A59(A), B1(B), E2(D), T1(E)
With Converter
Inverter Assembly
1 D
2 D
ACPB
ACPE
CBI
CE1
AMD
S
2 E
1 E
1 B
11 A
W
B
W
W
W–B
Y
BR
W
W
B
Y
BR
A4

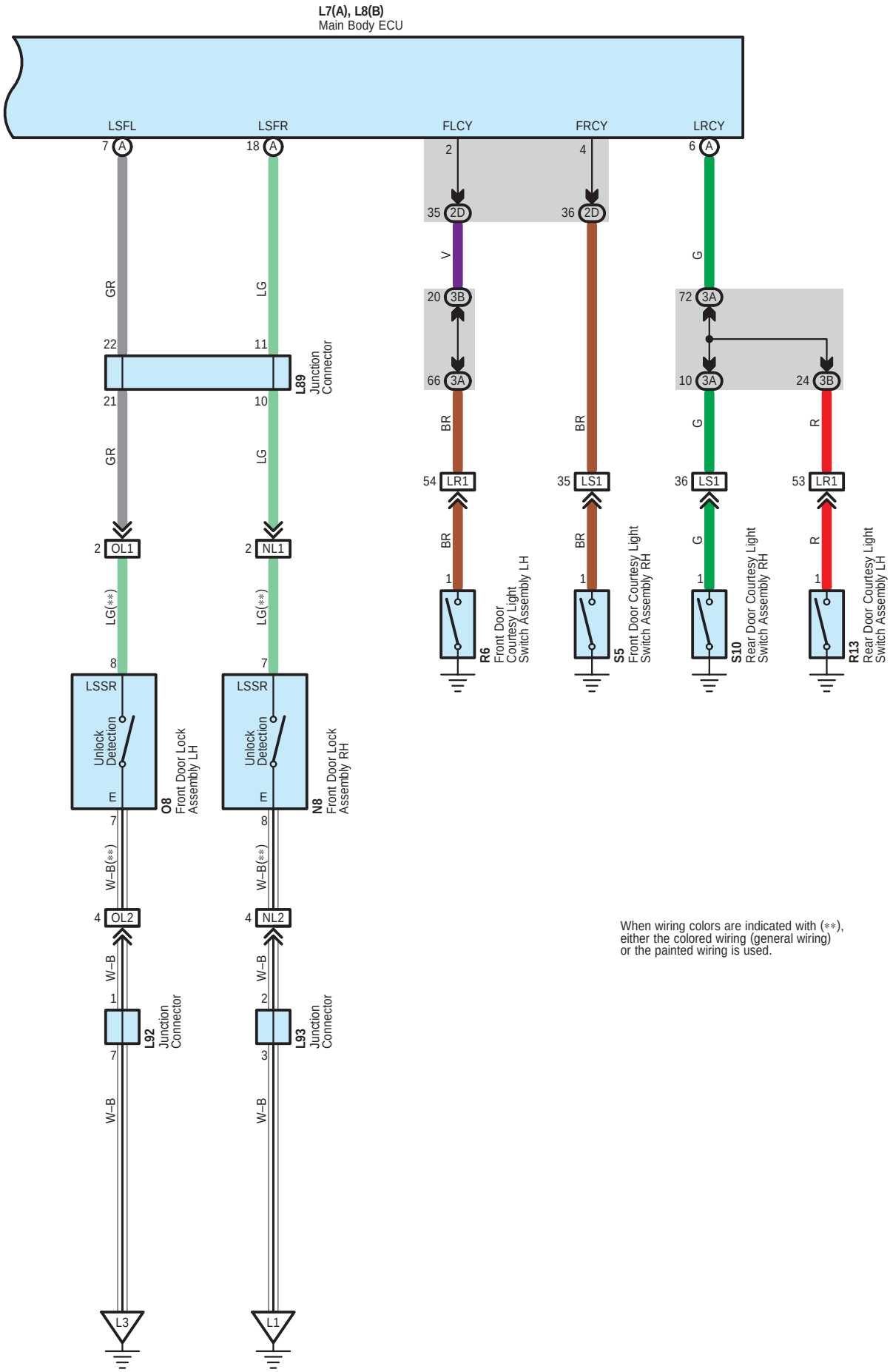

A21(A), A22(B), L5(C), L6(D)
Power Management Control ECU
CA3P
CA3N
SSW1
SSW2
CA1H
CA1L
31 D
30 D
7 C
17 D
25 D
24 D
LG
L
B
W
12
1
L101
Junction
Connector
13
2
15
4
Y
BR
B
W
10 AL3
11 AL3
B
W
12 A
4 A
CANP
CANN
A57(A)
ECM
B
Y
W
B
7
2
SS1
SS2
SS1
SS2
GND
Free
Full
Traveling
GND
L43
Power Switch
5
W
57 3A
67 3A
W-B
5
L93
Junction
Connector
3
W-B
L1
Y
BR


L62(A), L63(B)
Certification ECU Assembly
CANL
CANH
RCO
RDA
RSSI
10 A
9 A
5 B
15 B
16 B
P
BE
R
Y
V
19 LS1
18 LS1
17 LS1
LG
GR
V
4
5
2
+5
DATA
RSSI
GND
S12
Door Control Receiver
1
W-B
6
10
S20
Junction Connector
W-B
W
B
8
19
L95
Junction Connector
3
14
V
W
7
18
L94
Junction Connector
3
14
9
20
BR
W
BE
P
W
BR
S1


(BAT)
7. 5A
ECU–B
2
1
(BAT)
25A
DOOR
NO. 1
(IG)
10A
ECU–IG
NO. 1
(ACC)
10A
ECU–
ACC
L7(A), L8(B)
Main Body ECU
ACC
IG
ALTB
BECU
CANL
CANH
29
32
31
30
13
A
14
A
18
2C
W
BR
Y
W
BR

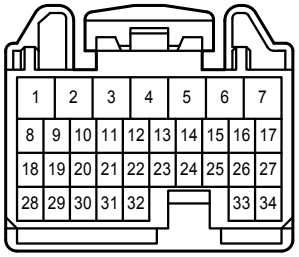

L7(A), L8(B)
Main Body ECU
GND1
BZR
HCTY
GND2
11
21
20
3
B
6
2B
23
2C
38
2C
W–B
R
R
W–B
1
B
E
2
A33
Wireless Door
Lock Buzzer
1
2
A47
Engine Hood Courtesy
Switch Assembly
65
3A
64
3A
W–B
W–B
3
7
L92
Junction
Connector
4
3
L93
Junction
Connector
W–B
W–B
L3
A1
A2
L1


L7(A), L8(B)
Main Body ECU
BCTY
LSR
HAZ
19 A
L
50 LR1
SB
7 A
R28(A), R29(B)
Junction Connector
12 B
B
B
2
Courtesy
+
E
R18
Back Door Lock Assembly
1
W–B
1
R31
Junction Connector
7
W–B
R1
5
29 2B
25 2D
GR
28 LS1
GR
8 PS1
GR
6
LSSR
Unlock Detection
E
P1
Rear Door with Motor Lock Assembly RH
9
W–B
19 PS1
W–B
3
S20
Junction Connector
10
W–B
S1
GR
10 LR1
GR
8 QR1
GR
6
LSSR
Unlock Detection
E
Q1
Rear Door with Motor Lock Assembly LH
9
W–B
19 QR1
W–B
6
R31
Junction Connector
7
W–B
R1
3 A
Y
63 3A
38 3A
Y
8
HAZ
L55
Turn Signal Flasher Assembly

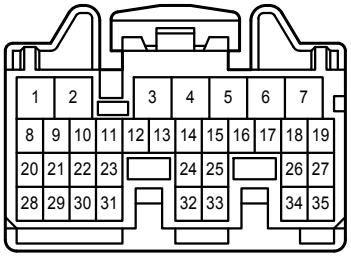


When wiring colors are indicated with (**), either the colored wiring (general wiring) or the painted wiring is used.

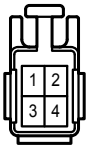
A 21
Gray



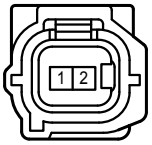
A 22
Gray



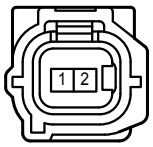
A 26
White



A 33
Gray



A 47
Black



A 50
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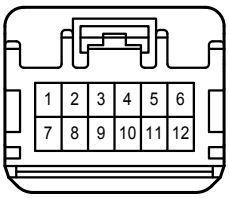

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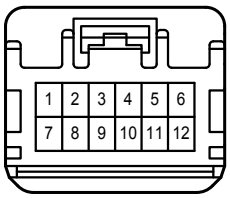

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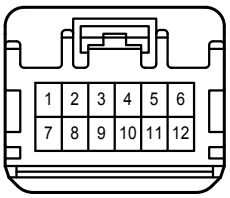

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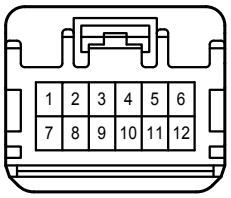

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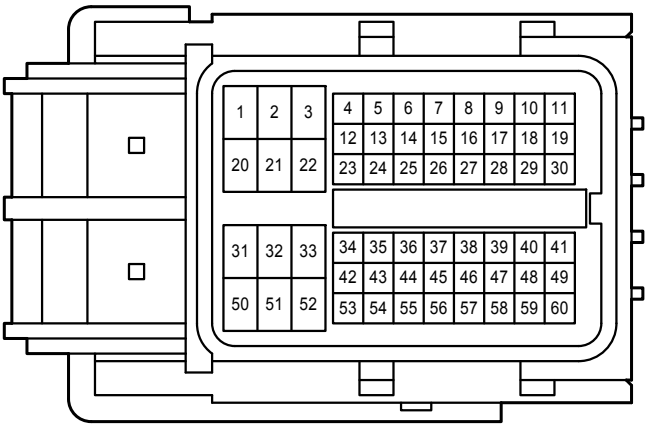

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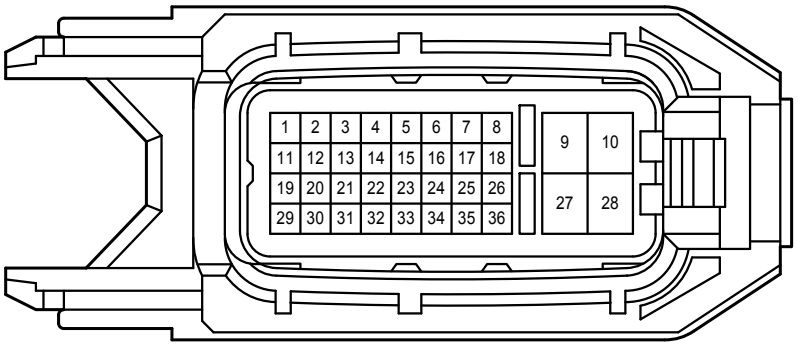
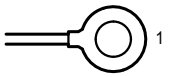


B 1



D 12
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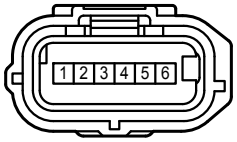

E 1
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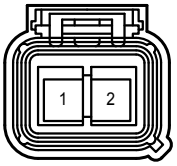
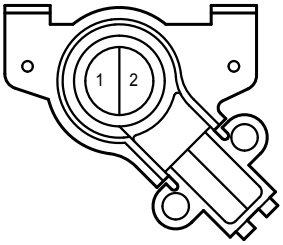
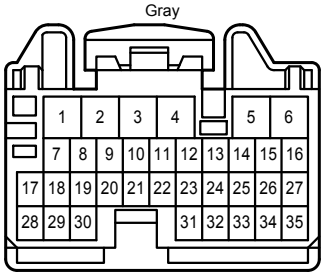


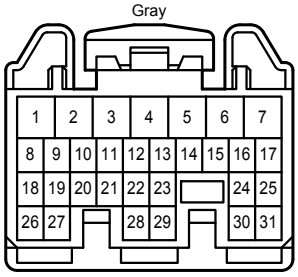
E 2
White



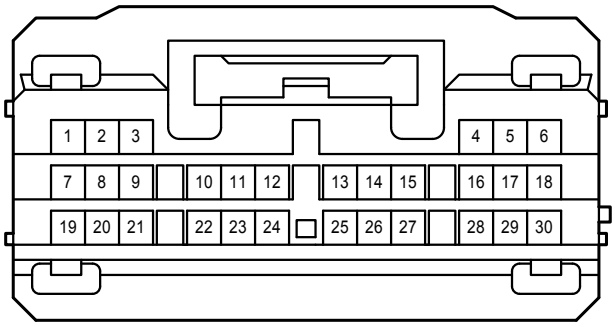
L 5
Gray



L 6
Gray



L 7
White



L 8
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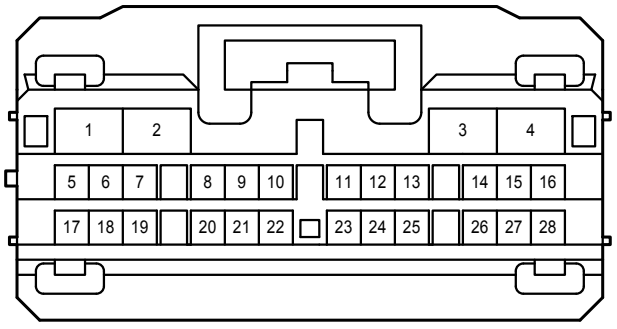

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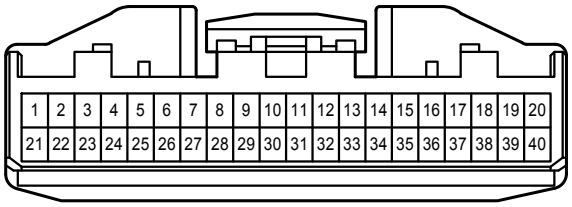

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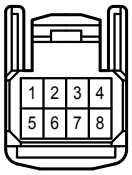

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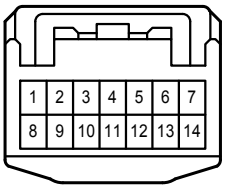

L 44
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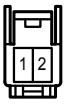
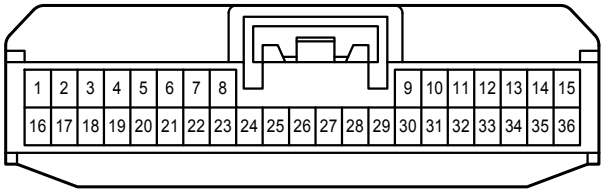


L 55
Blue

L 62
White



L 63
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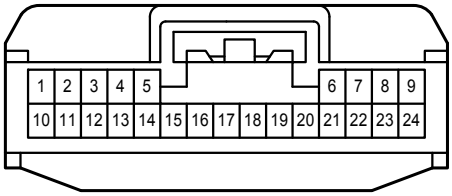
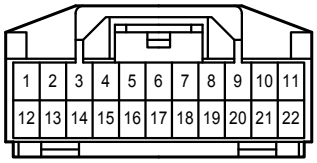


L 89
Black



L 92
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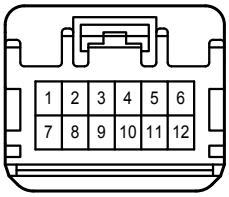

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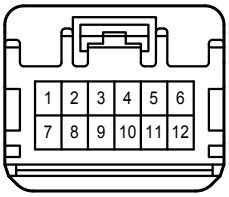

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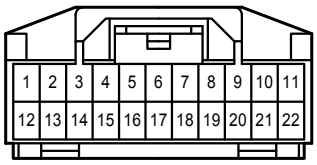

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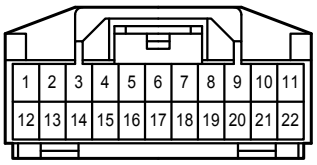

L101
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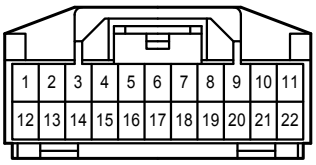

N 8
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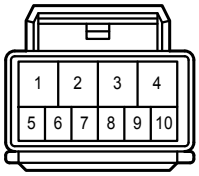

O 8
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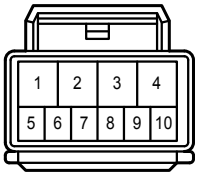

P 1
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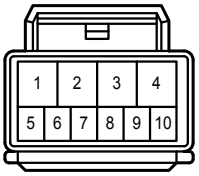

Q 1
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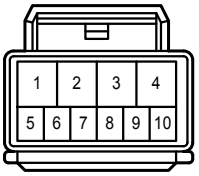
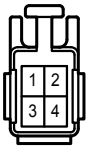


R 6
Black

R 13
Black

R 18
White



R 28
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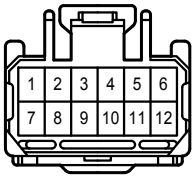

R 29
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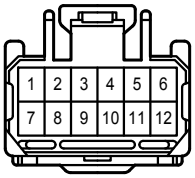

R 31
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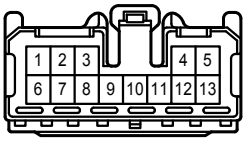
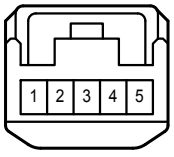


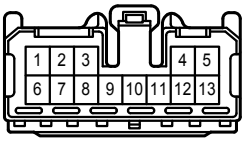
S 5
Black

S 10
Black

S 12
Blue



S 20
White



T 1
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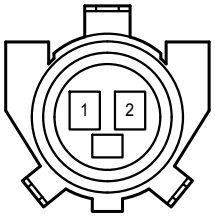
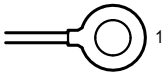
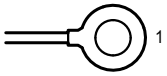


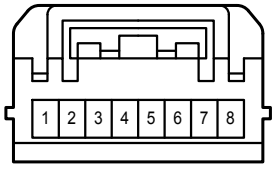
T 3



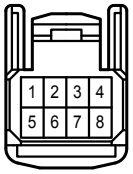
T 4



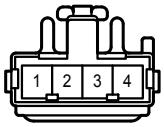
b 1
White



c 1
White



c 3
White



c 4
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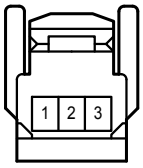
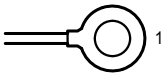
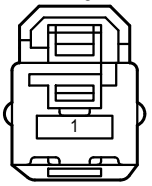


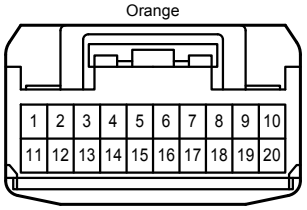
h 1



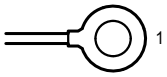
h 2
Orange



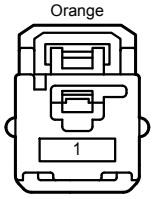
j 1
Orange



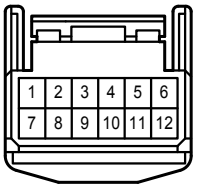
k 1



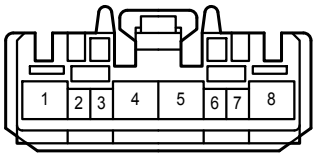
k 2
Orange



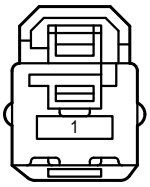
z 17
Black



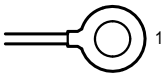
1A
White



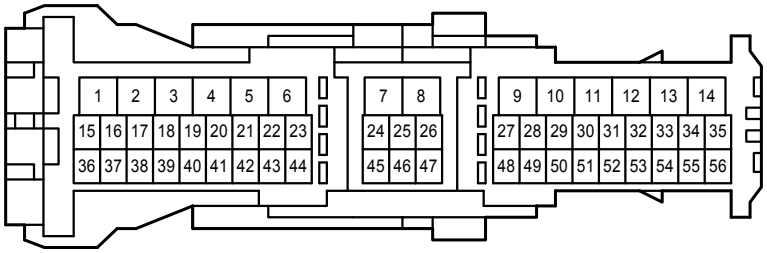
1D
Black



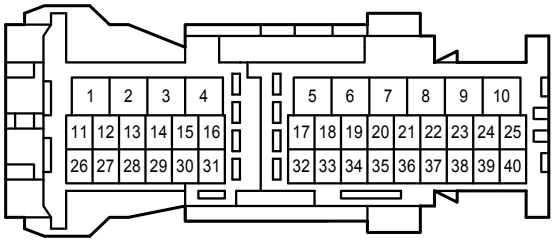
1F



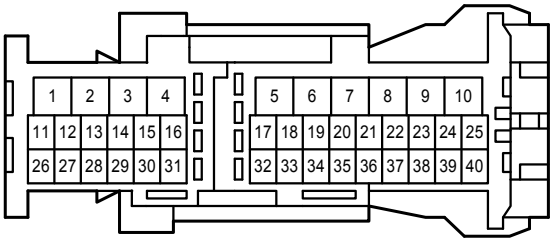
2A
White



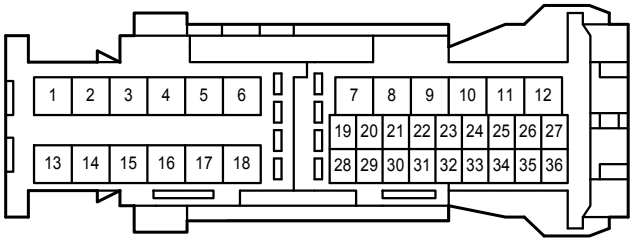
2B
White



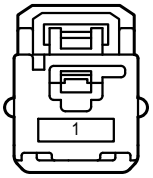
2C
White



2D
White



2E
White



3A
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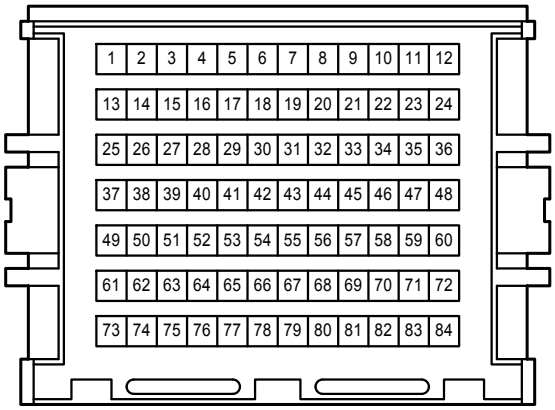

3B
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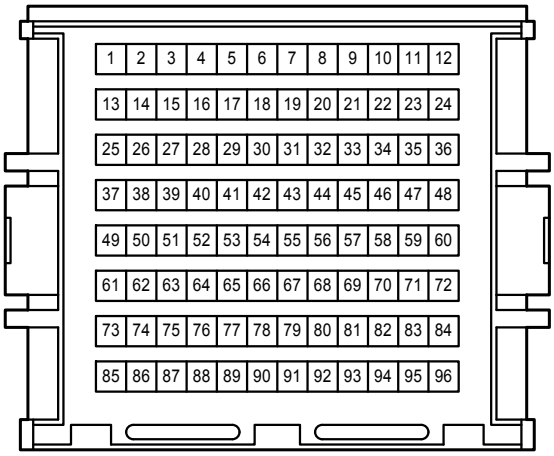
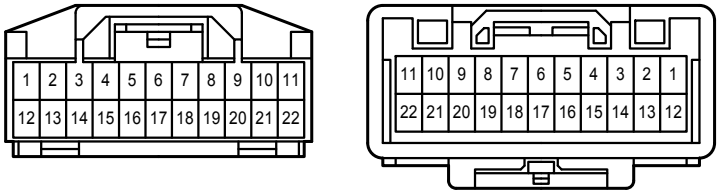
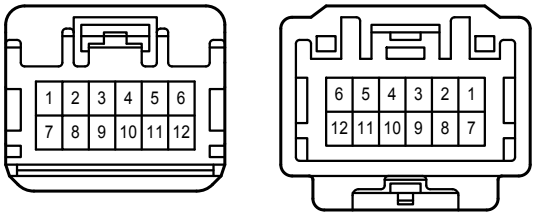


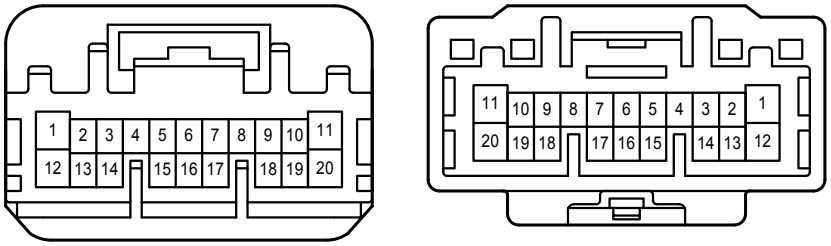
AL2
Gray



AL3
White



AS1
White



DA1
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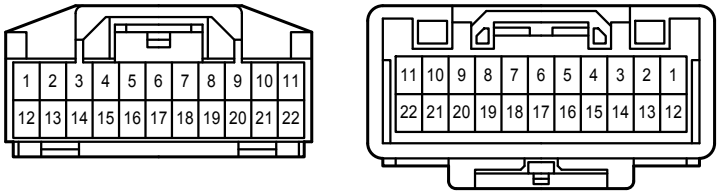
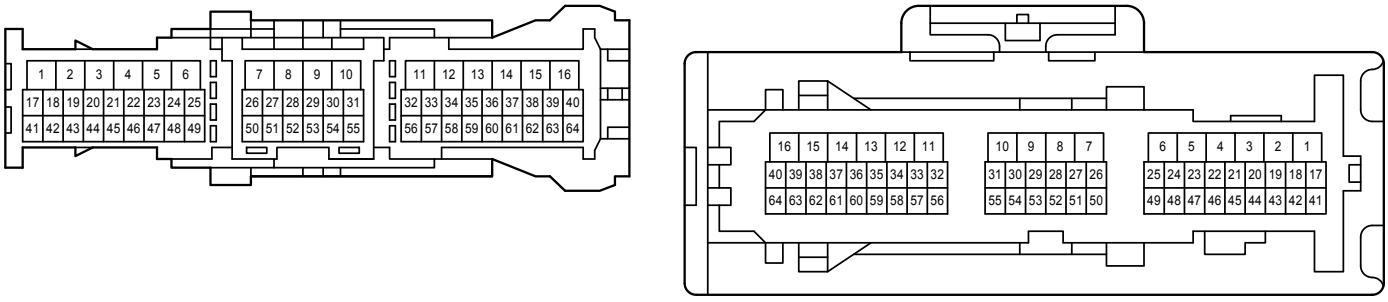


LR1
White



LS1
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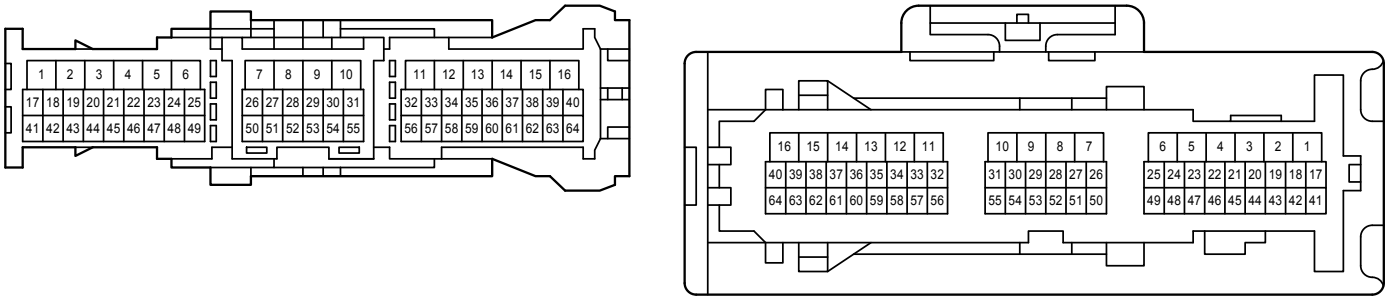

Lb1
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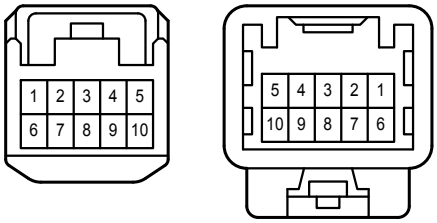

NL1
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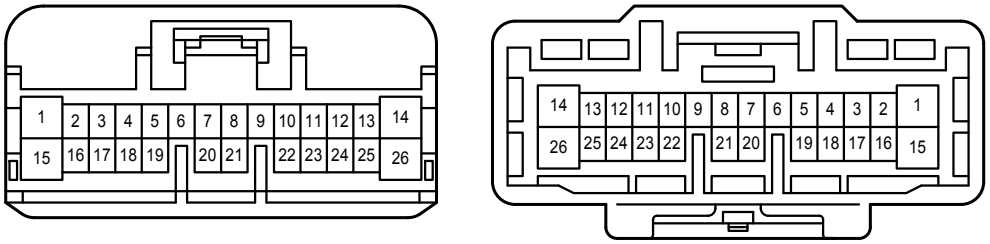

NL2
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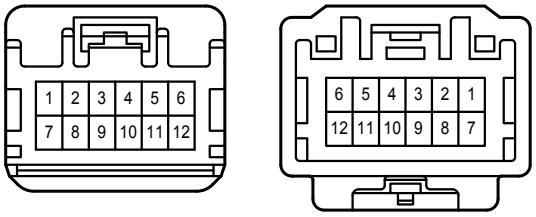

OL1
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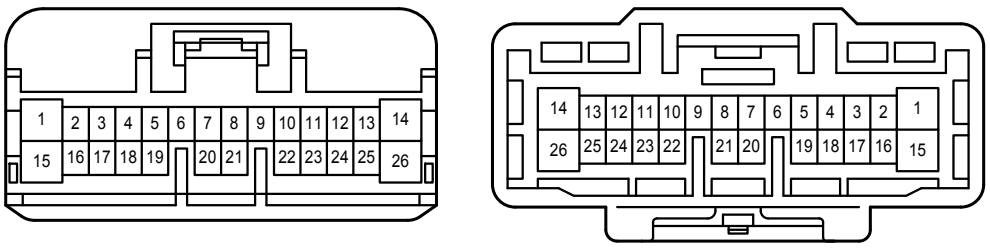
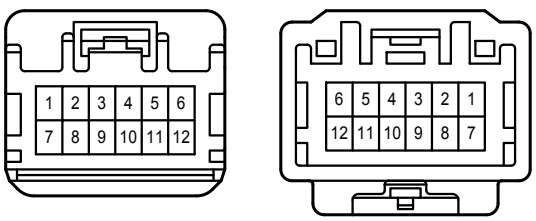
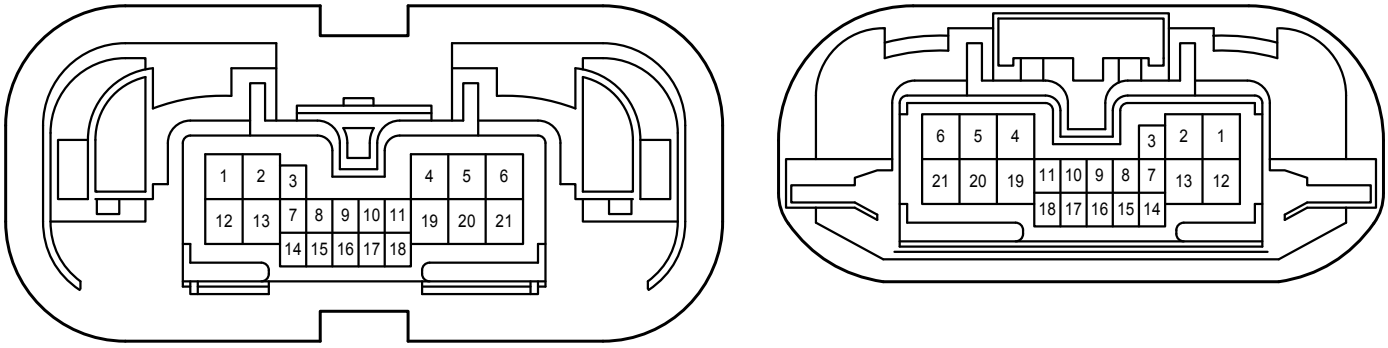


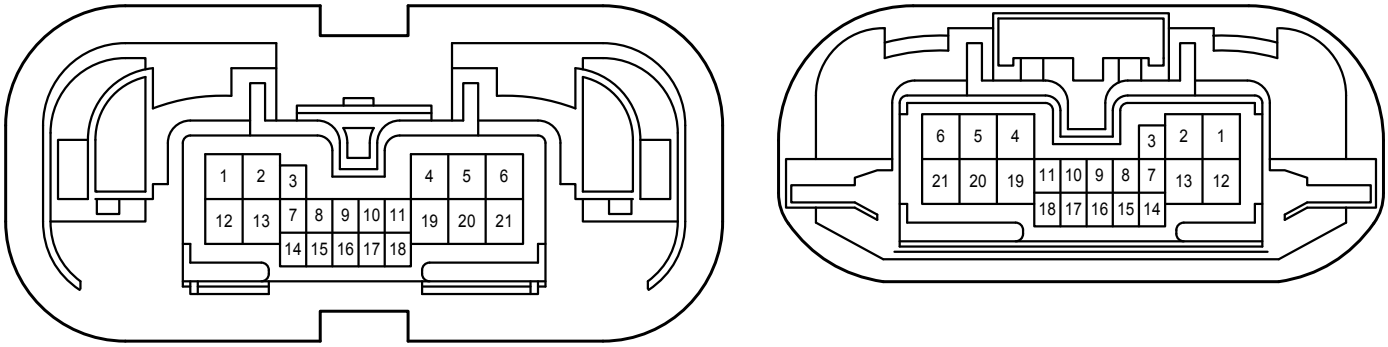
OL2
White



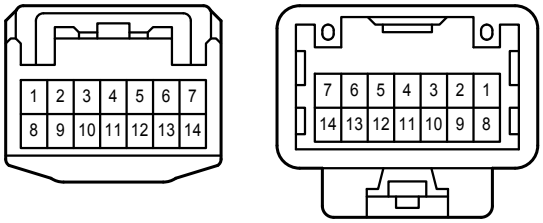
PS1
White

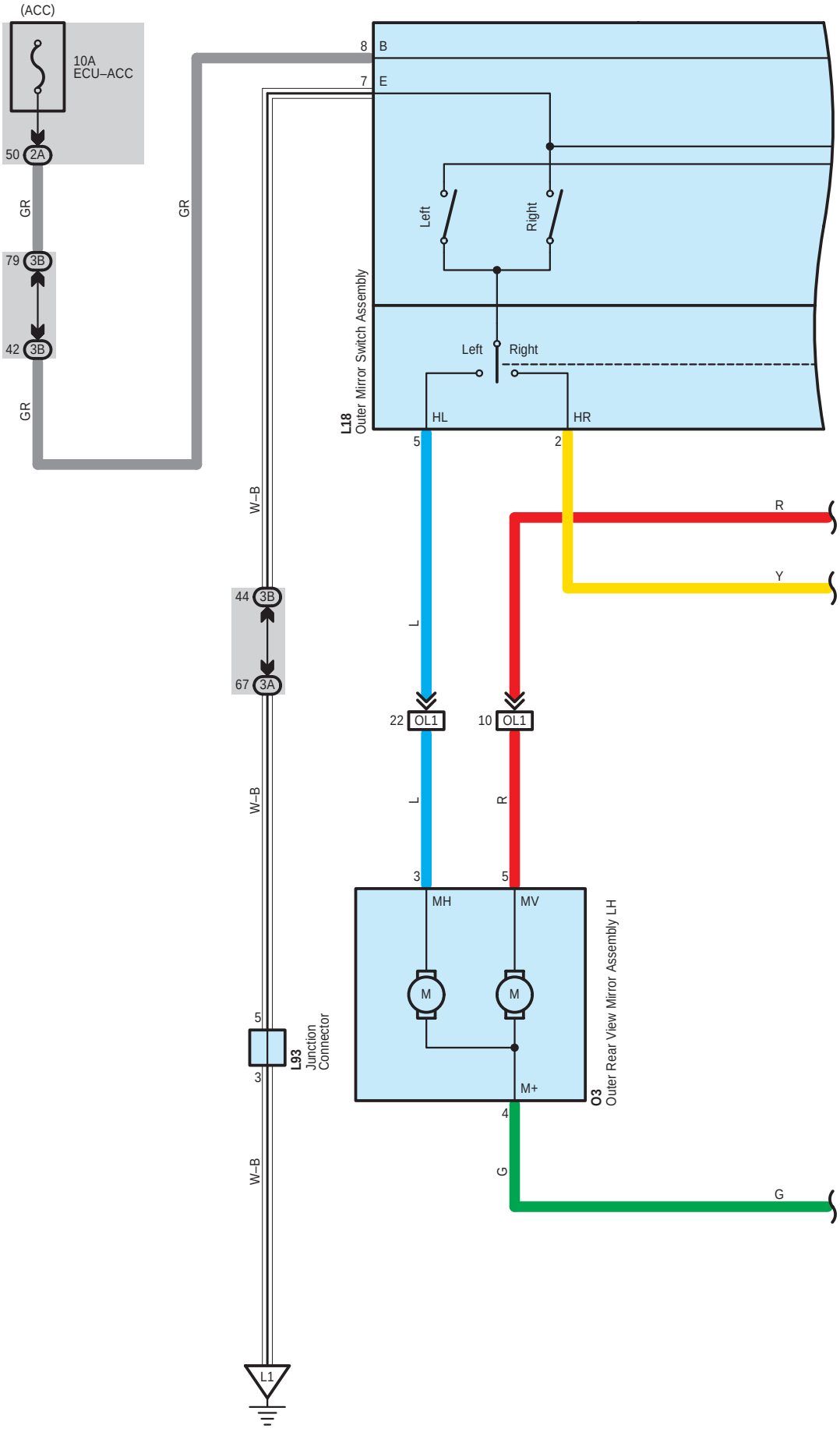


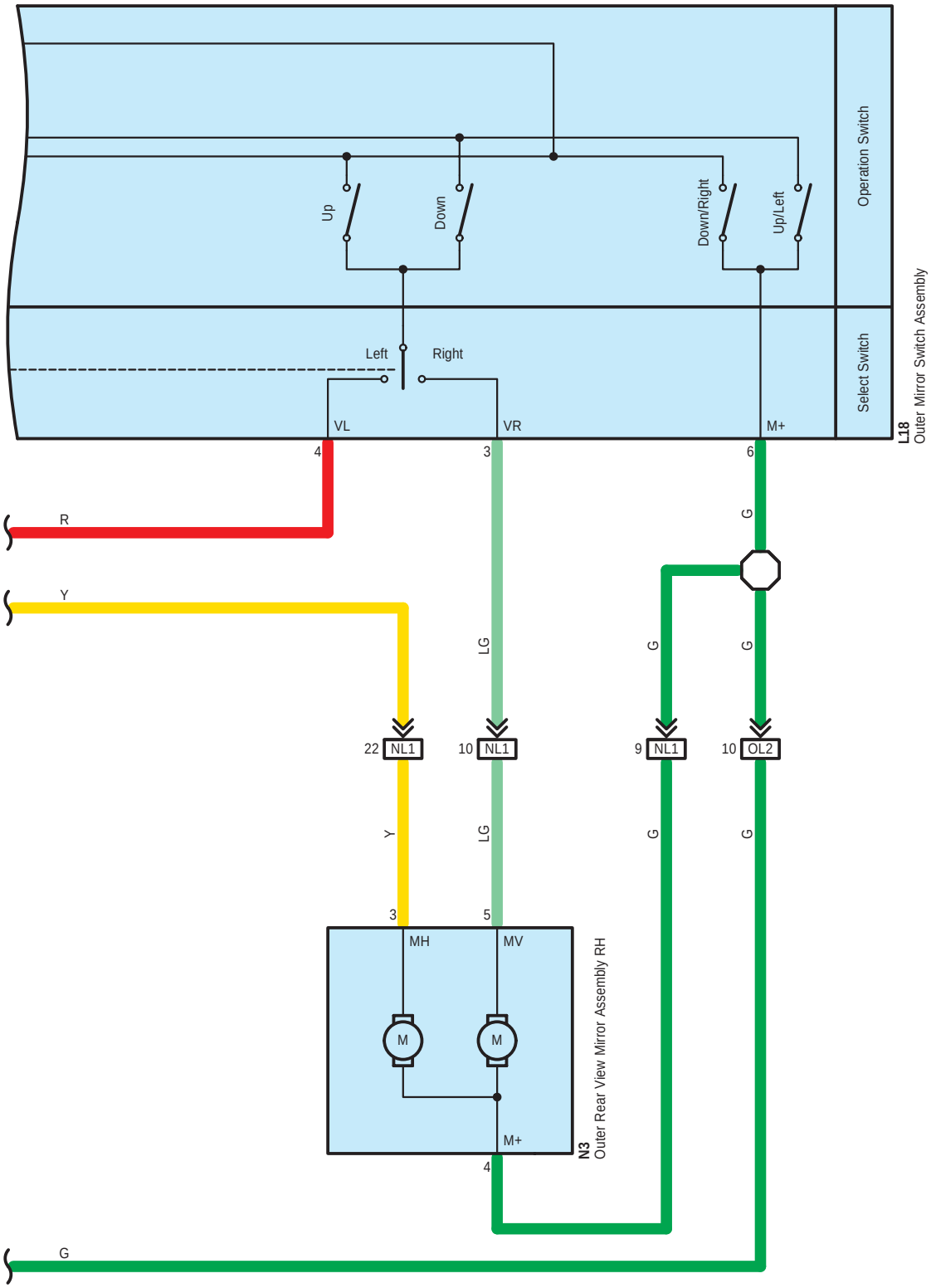
QR1
White



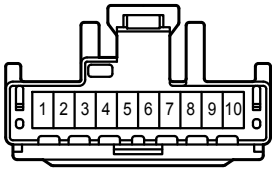
Sc1
White



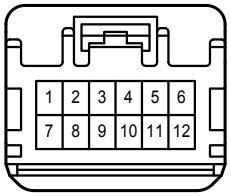

(ACC)
10A
ECU–ACC
50 2A
GR
79 3B
42 3B
GR
GR
8 B
7 E
Left
Right
Left
Right
L18
Outer Mirror Switch Assembly
HL
HR
5
2
R
Y
W–B
44 3B
67 3A
L
22 OL1
10 OL1
L
R
3
5
MH
MV
M
M
M+
4
G
G
W–B
5
3
L93
Junction
Connector
W–B
L1
O3
Outer Rear View Mirror Assembly LH


Operation Switch
Up
Down
Down/Right
Up/Left
Select Switch
Left
Right
VL
VR
M+
4
3
6
L18
Outer Mirror Switch Assembly
R
Y
G
LG
G
G
22 NL1
10 NL1
9 NL1
10 OL2
Y
LG
G
G
3
5
MH
MV
M
M
M+
4
N3
Outer Rear View Mirror Assembly RH
G

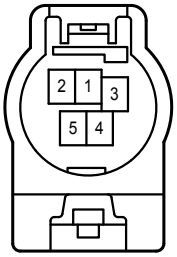
L 18
White



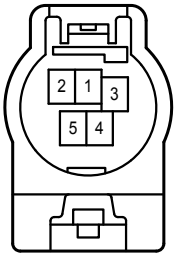
L 93
White



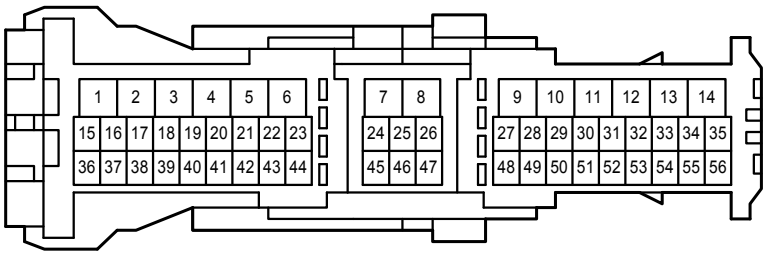
N 3
White



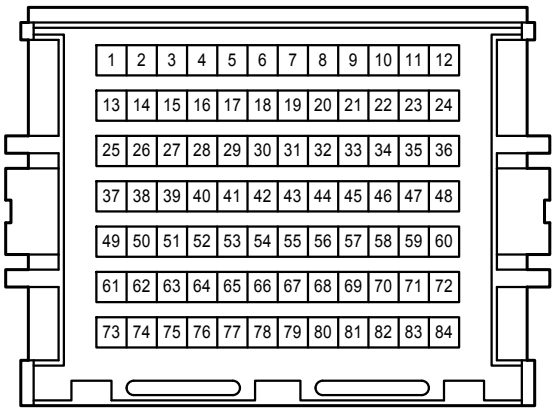
O 3
White



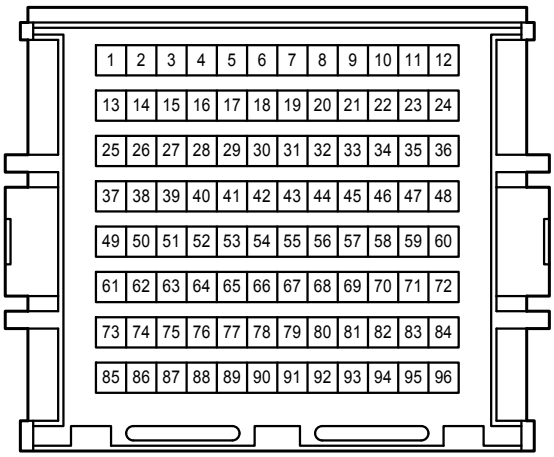
2A
White



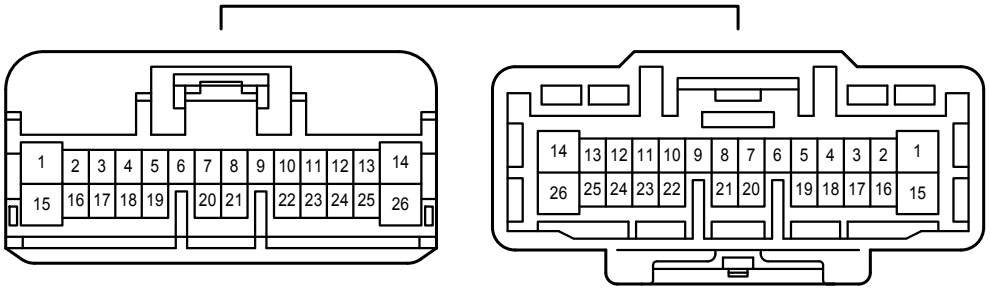
3A
White

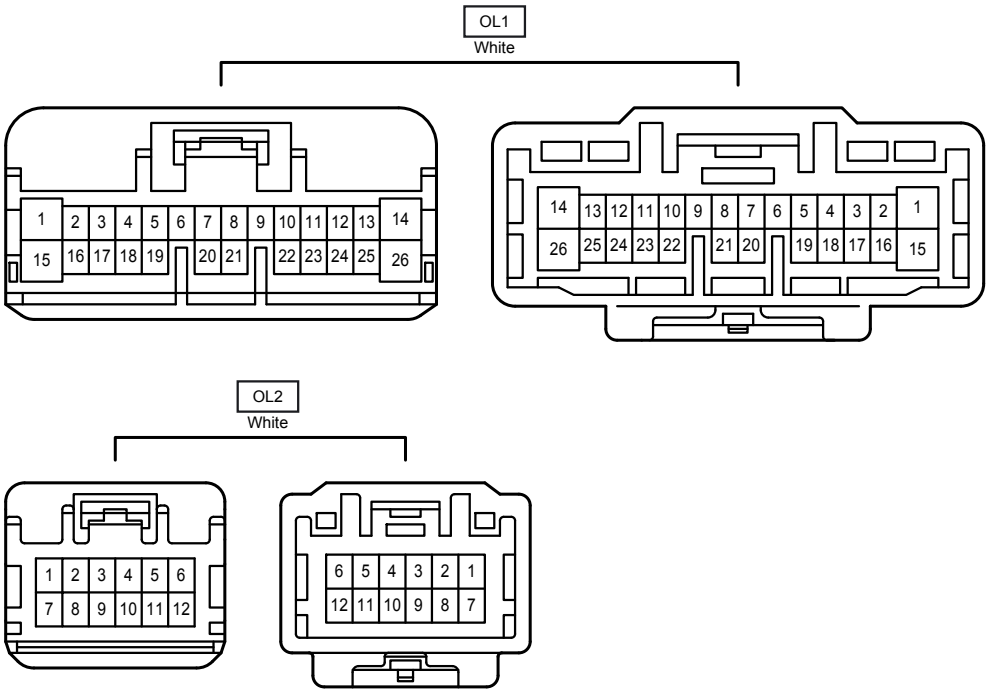


3B
White

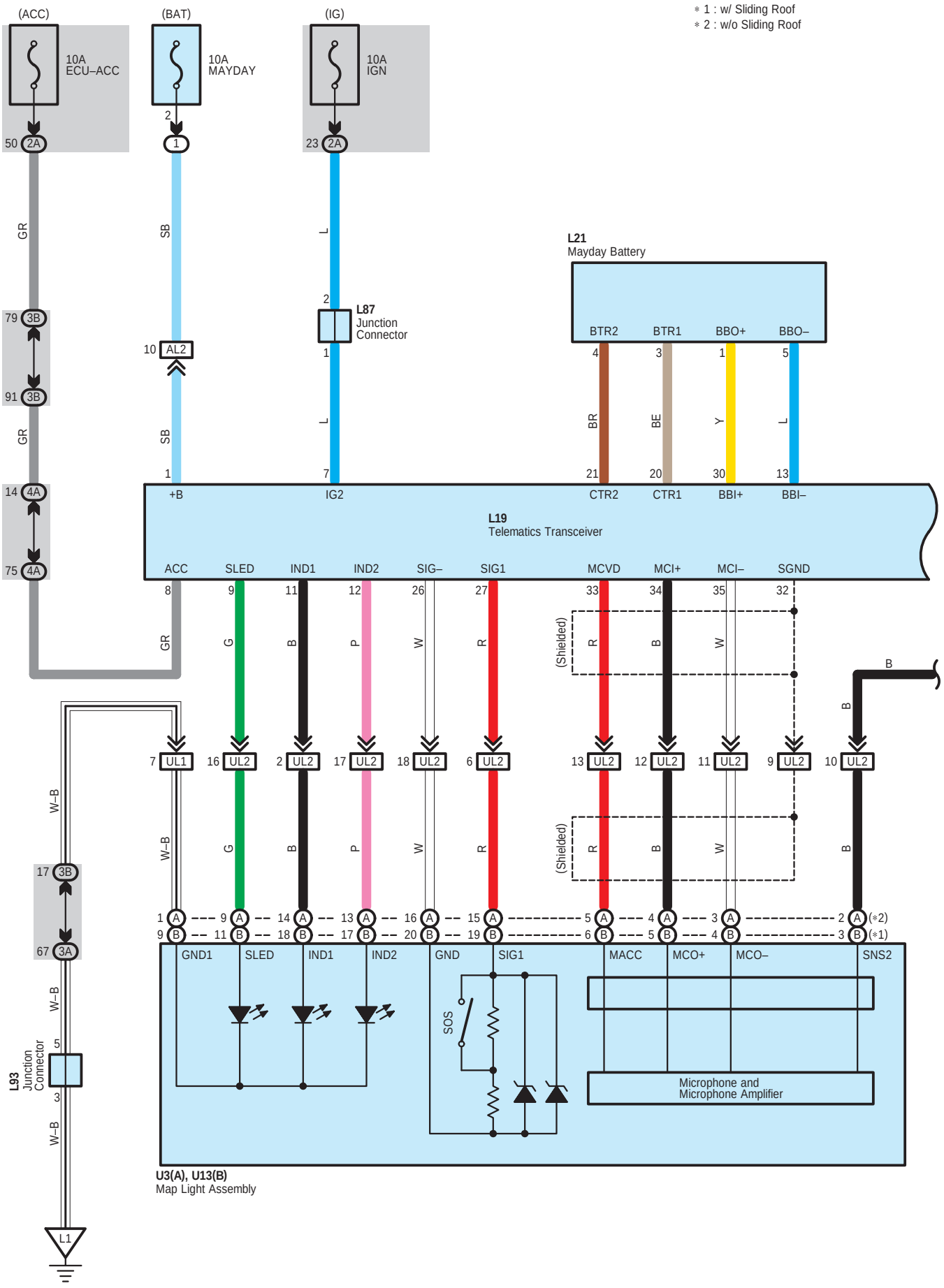


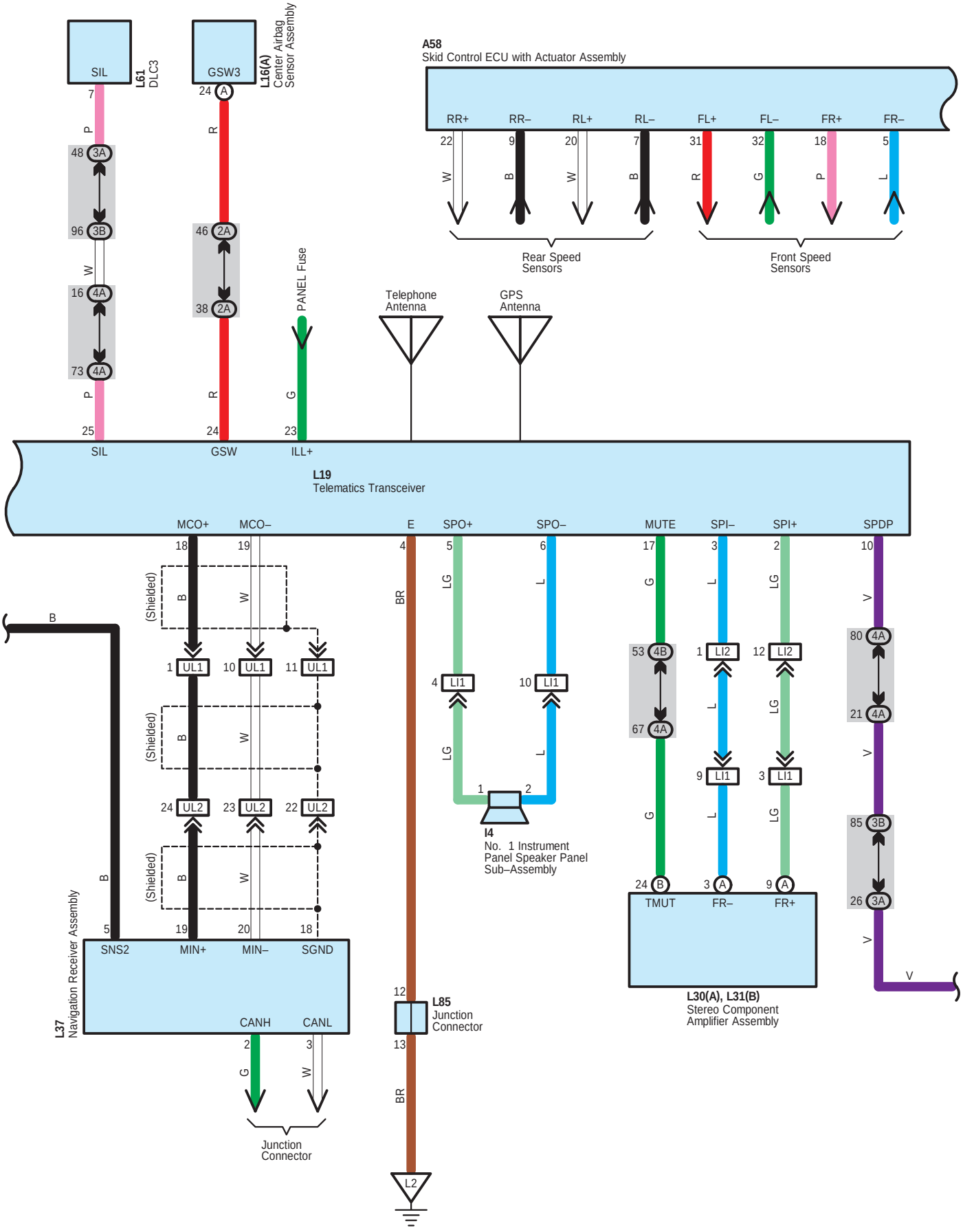
NL1
White

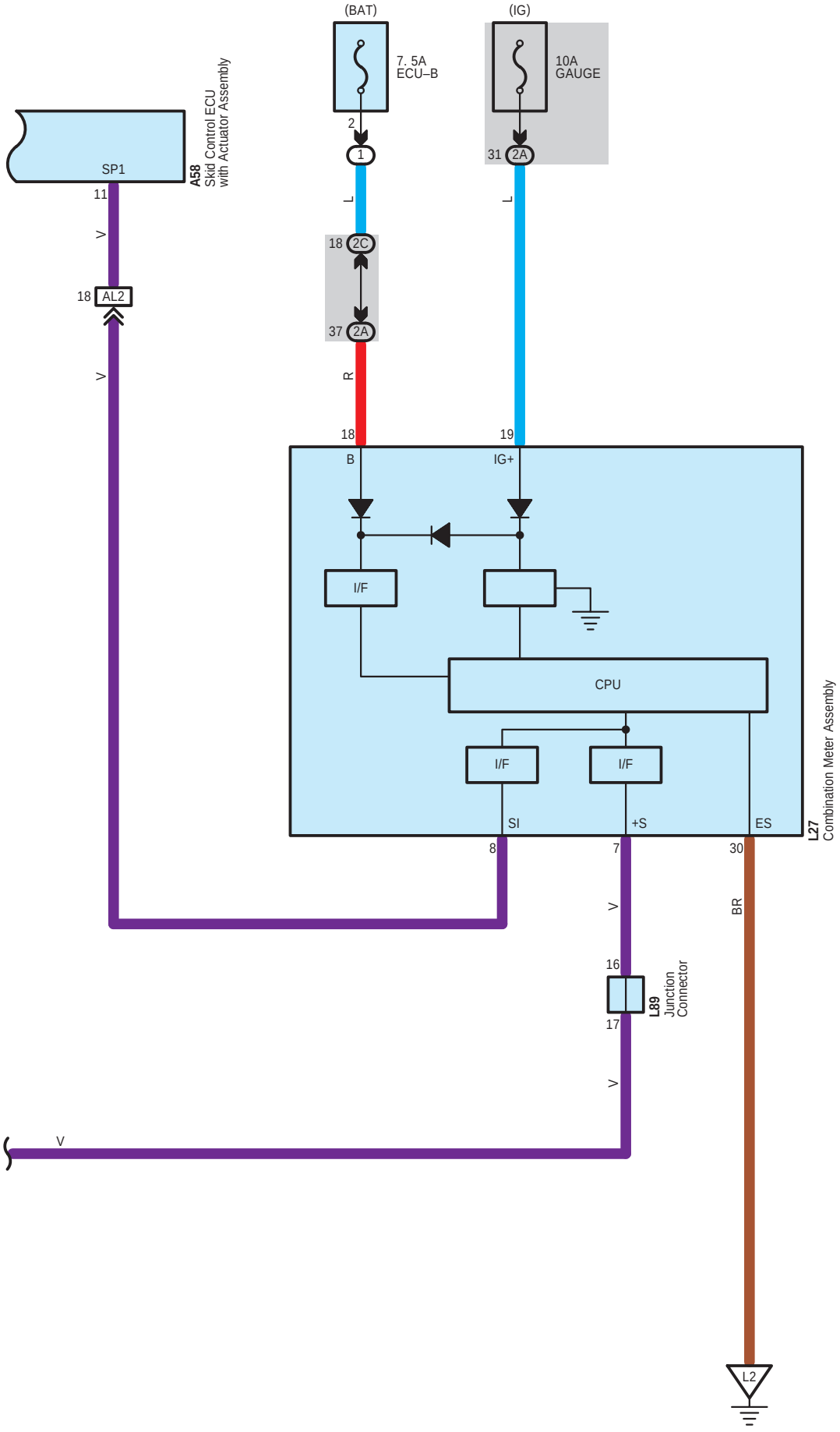



OL1
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15

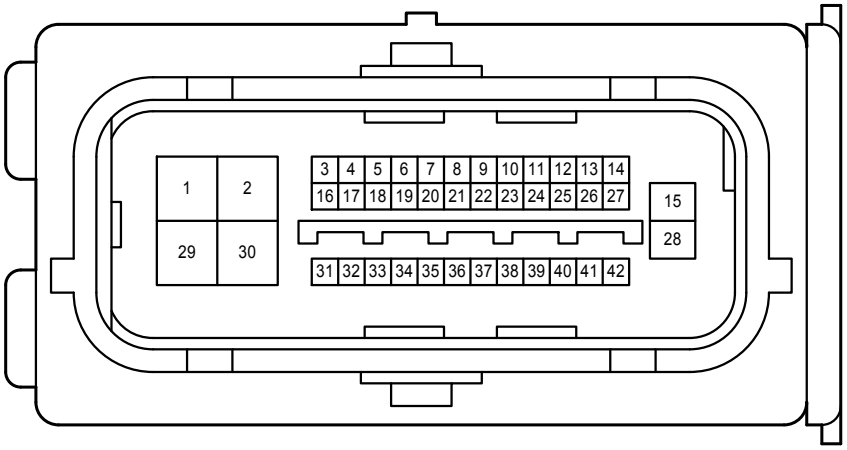
OL2
White
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7


∗ 1 : w/ Sliding Roof
∗ 2 : w/o Sliding Roof
(ACC)
(BAT)
(IG)
10A ECU–ACC
10A MAYDAY
10A IGN
50 2A
2
1
23 2A
GR
SB
L
79 3B
91 3B
10 AL2
2
L87 Junction Connector
1
L
SB
GR
14 4A
75 4A
1
7
L21
Mayday Battery
BTR2
BTR1
BBO+
BBO–
4
3
1
5
BR
BE
Y
L
21
20
30
13
+B
IG2
CTR2
CTR1
BBI+
BBI–
L19
Telematics Transceiver
ACC
SLED
IND1
IND2
SIG–
SIG1
MCVD
MCI+
MCI–
SGND
8
9
11
12
26
27
33
34
35
32
GR
G
B
P
W
R
(Shielded)
R
B
W
B
7 UL1
16 UL2
2 UL2
17 UL2
18 UL2
6 UL2
13 UL2
12 UL2
11 UL2
9 UL2
10 UL2
W–B
G
B
P
W
R
(Shielded)
R
B
W
B
1 A
9 B
9 A
11 B
14 A
18 B
13 A
17 B
16 A
20 B
15 A
19 B
5 A
6 B
4 A
5 B
3 A
4 B
2 A (∗2)
3 B (∗1)
17 3B
67 3A
W–B
5
3
W–B
L93 Junction Connector
L1
GND1
SLED
IND1
IND2
GND
SIG1
MACC
MCO+
MCO–
SNS2
SOS
Microphone and Microphone Amplifier
U3(A), U13(B)
Map Light Assembly

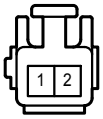

SIL
L61
DLC3
GSW3
L16(A)
Center Airbag
Sensor Assembly
A58
Skid Control ECU with Actuator Assembly
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
Rear Speed
Sensors
Front Speed
Sensors
PANEL Fuse
Telephone
Antenna
GPS
Antenna
SIL
GSW
ILL+
L19
Telematics Transceiver
MCO+
MCO–
E
SPO+
SPO–
MUTE
SPI–
SPI+
SPDP
(Shielded)
I4
No. 1 Instrument
Panel Speaker Panel
Sub–Assembly
L37
Navigation Receiver Assembly
SNS2
MIN+
MIN–
SGND
CANH
CANL
Junction
Connector
L85
Junction
Connector
L2
TMUT
FR–
FR+
L30(A), L31(B)
Stereo Component
Amplifier Assembly


(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
L
18
2C
37
2A
R
18
19
B
IG+
I/F
CPU
I/F
I/F
SI
+S
ES
8
7
30
A58
Skid Control ECU
with Actuator Assembly
SP1
11
V
18
AL2
V
V
16
17
L89
Junction
Connector
V
BR
L27
Combination Meter Assembly
L2

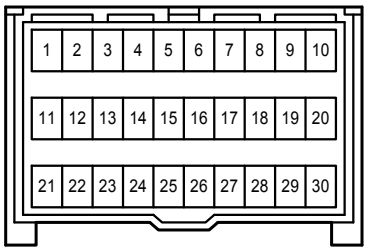
A 58
Gray



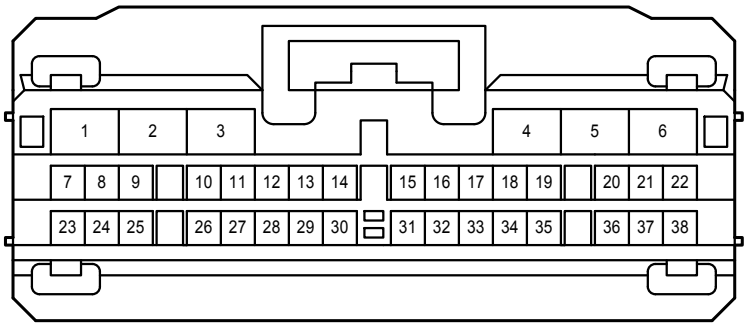
I 4
White



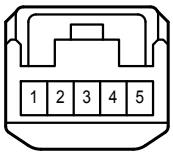
L 16
Yellow



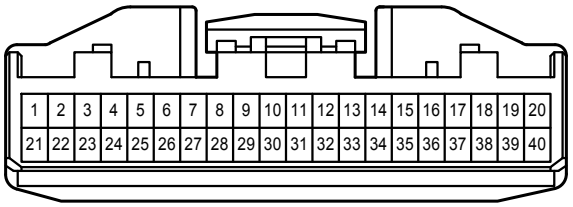
L 19
White



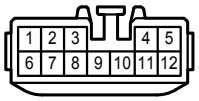
L 21
White



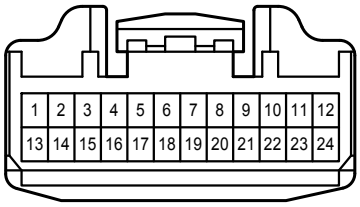
L 27
White



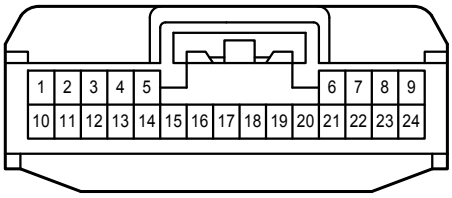
L 30
White



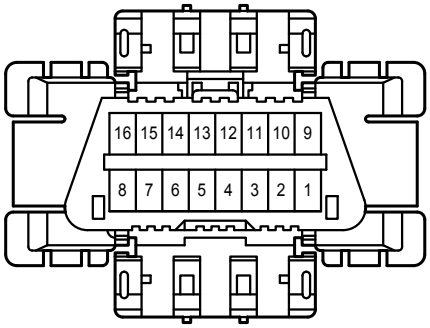
L 31
White



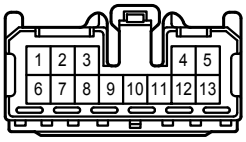
L 37
White



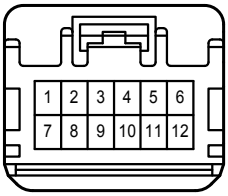
L 61
White



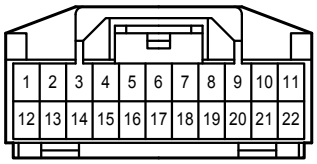
L 85
White



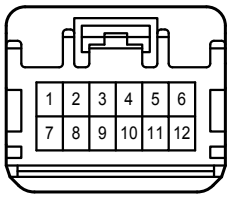
L 87
Black



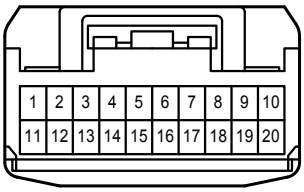
L 89
Black



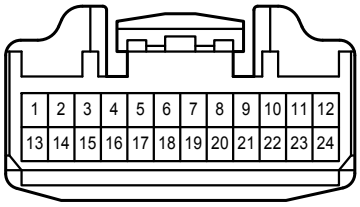
L 93
White



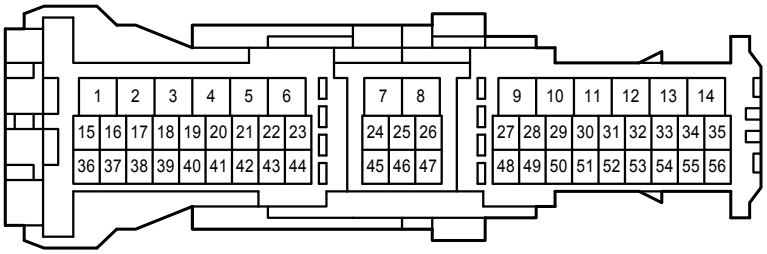
U 3
White



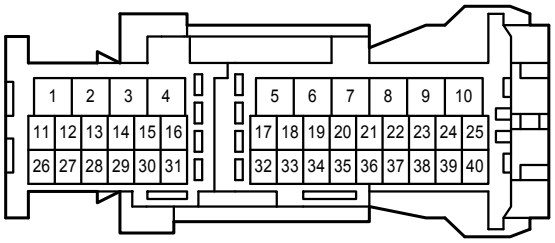
U 13
White



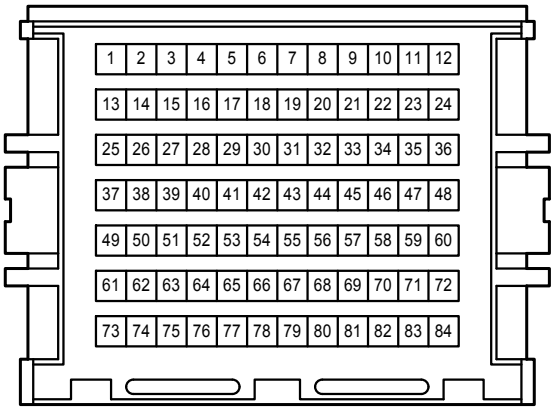
2A
White



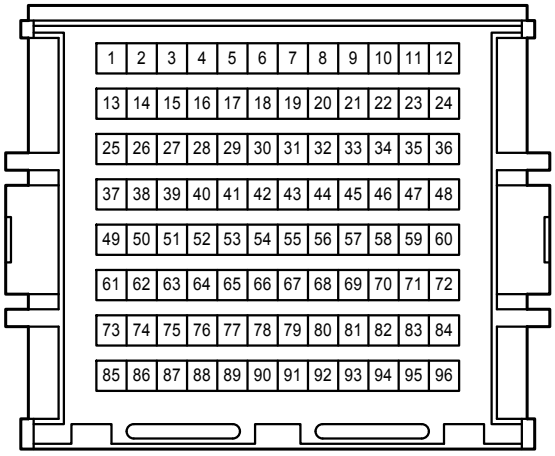
2C
White



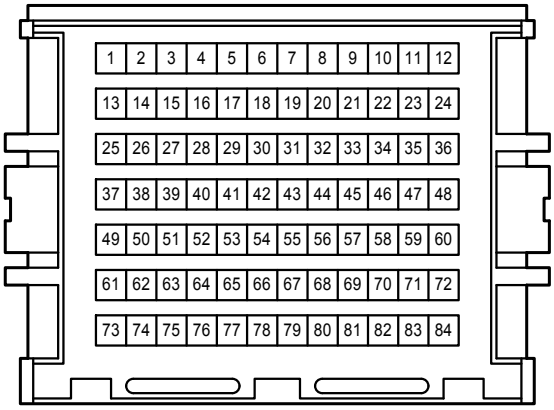
3A
White



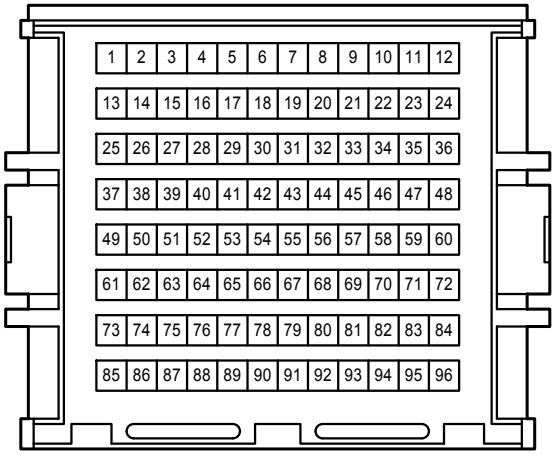
3B
White



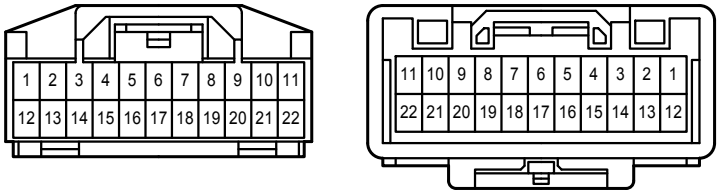
4A
White



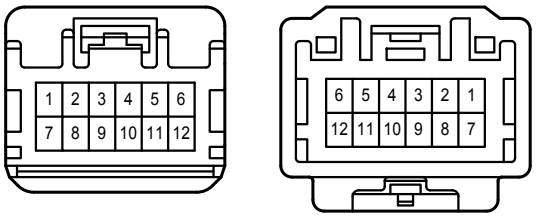
4B
White

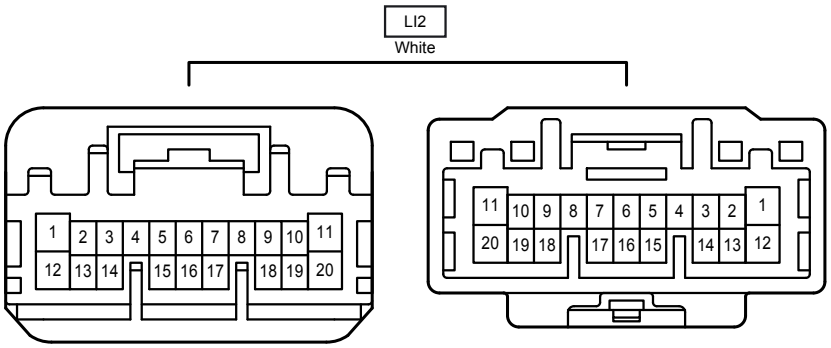


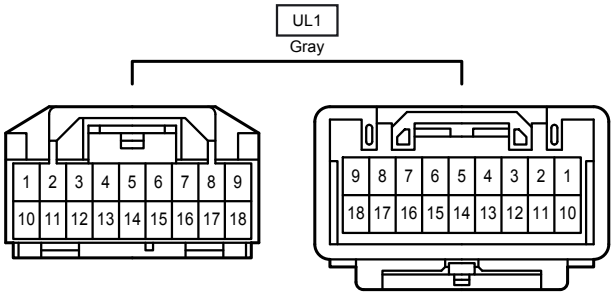
AL2
Gray

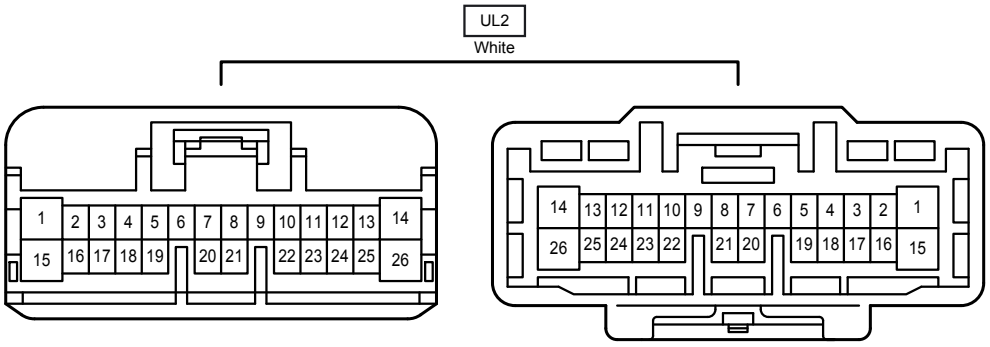


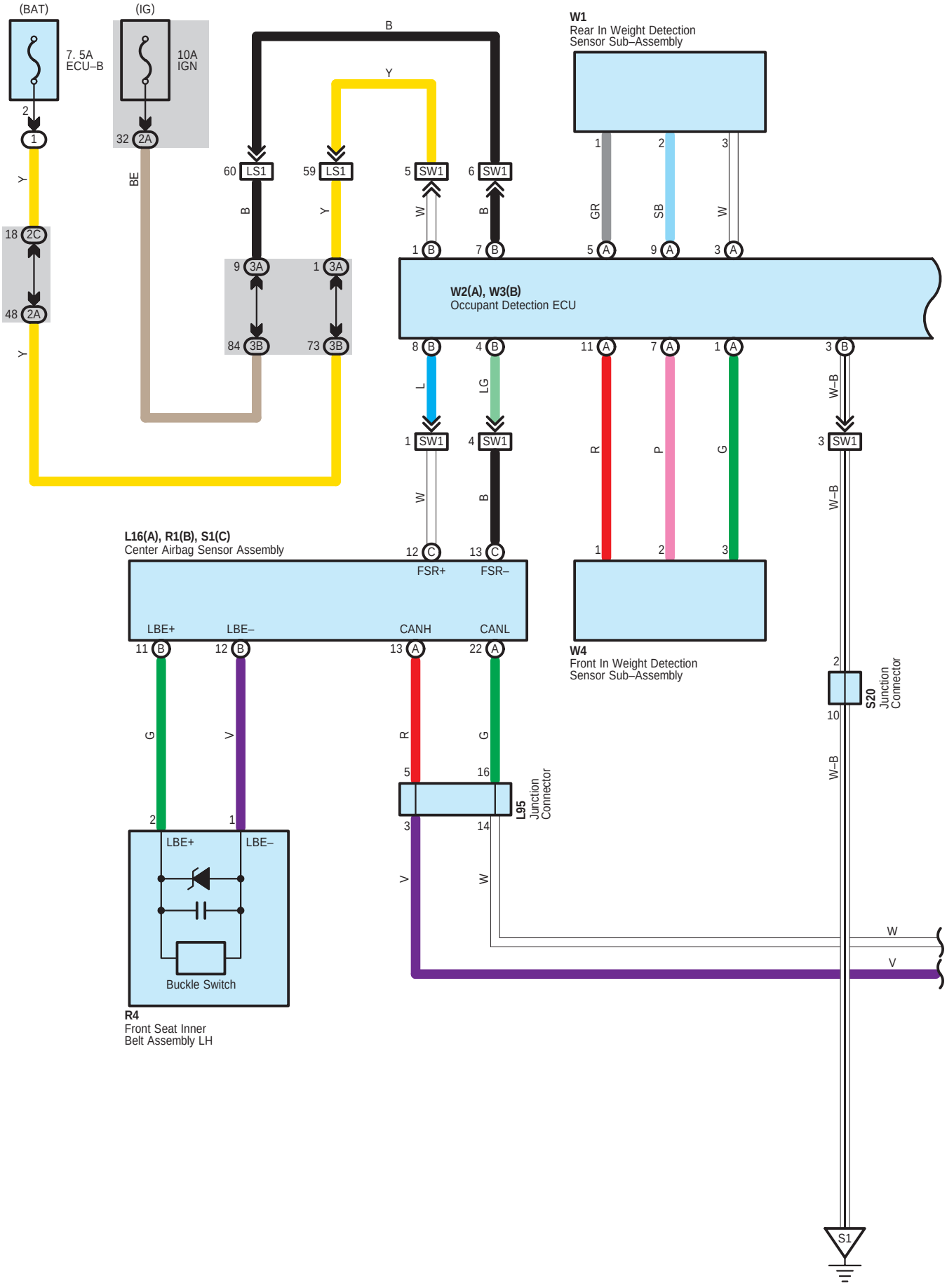
LI1
Black

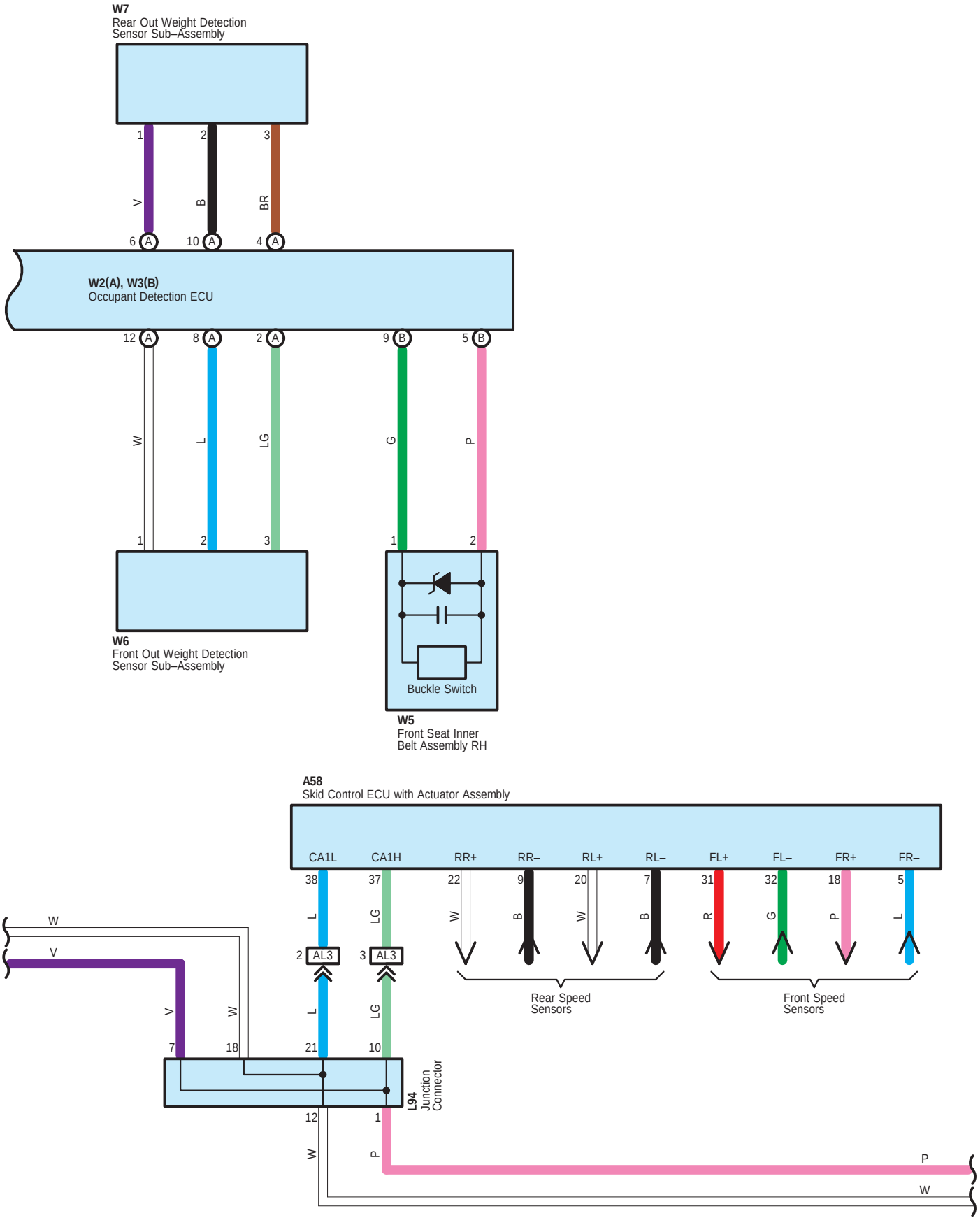


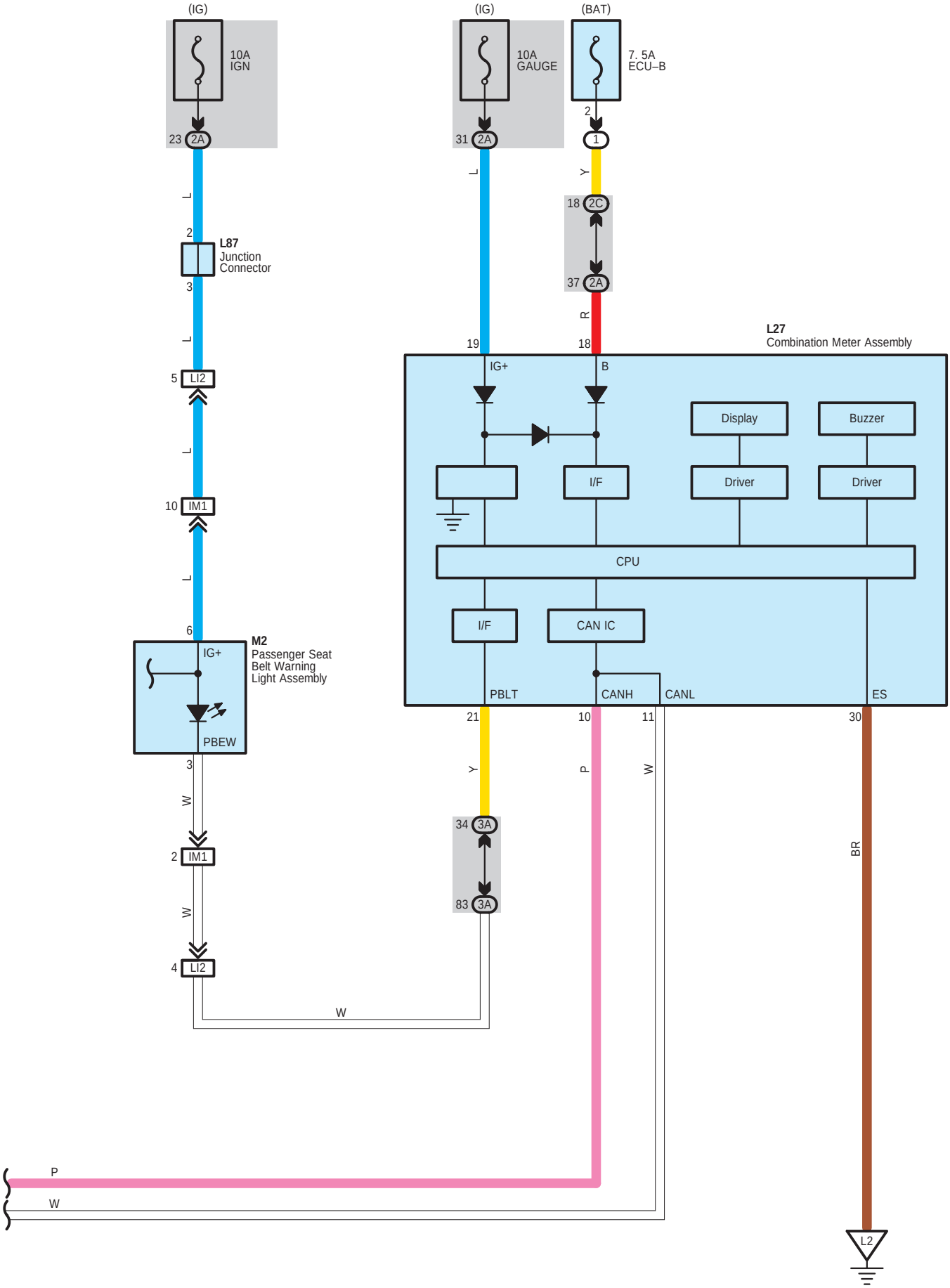

LI2
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12


UL1
Gray
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10

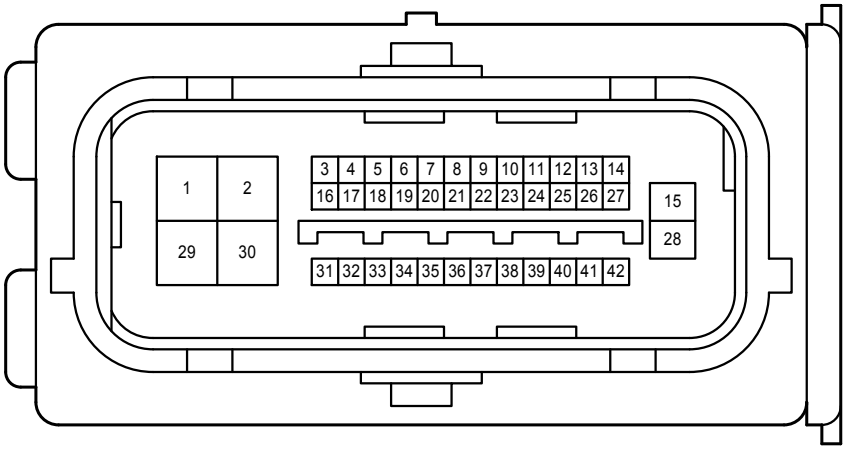

UL2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15


(BAT)
(IG)
7. 5A
ECU–B
10A
IGN
W1
Rear In Weight Detection
Sensor Sub–Assembly
W2(A), W3(B)
Occupant Detection ECU
L16(A), R1(B), S1(C)
Center Airbag Sensor Assembly
W4
Front In Weight Detection
Sensor Sub–Assembly
R4
Front Seat Inner
Belt Assembly LH
Buckle Switch
L95
Junction
Connector
S20
Junction
Connector
LBE+
LBE–
CANH
CANL
FSR+
FSR–
S1

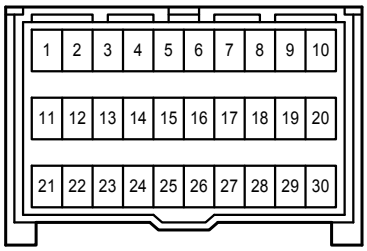

W7
Rear Out Weight Detection
Sensor Sub–Assembly
1
2
3
V
B
BR
6 A
10 A
4 A
W2(A), W3(B)
Occupant Detection ECU
12 A
8 A
2 A
9 B
5 B
W
L
LG
G
P
1
2
3
1
2
W6
Front Out Weight Detection
Sensor Sub–Assembly
Buckle Switch
W5
Front Seat Inner
Belt Assembly RH
A58
Skid Control ECU with Actuator Assembly
CA1L
CA1H
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
38
37
22
9
20
7
31
32
18
5
L
LG
W
B
W
B
R
G
P
L
2 AL3
3 AL3
Rear Speed
Sensors
Front Speed
Sensors
W
V
V
W
7
18
21
10
L
LG
L94
Junction
Connector
12
1
W
P
P
W


(IG)
10A
IGN
23
2A
L
2
L87
Junction
Connector
3
L
5
LI2
L
10
IM1
L
6
M2
Passenger Seat
Belt Warning
Light Assembly
IG+
PBEW
3
W
2
IM1
W
4
LI2
W
(IG)
10A
GAUGE
31
2A
L
(BAT)
7. 5A
ECU–B
2
1
Y
18
2C
37
2A
R
19
18
L27
Combination Meter Assembly
IG+
B
Display
Buzzer
I/F
Driver
Driver
CPU
I/F
CAN IC
PBLT
CANH
CANL
ES
21
10
11
30
Y
P
W
BR
34
3A
83
3A
P
W
L2

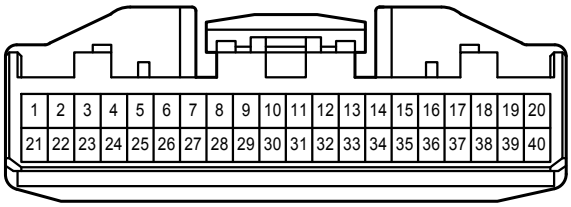
A 58
Gray



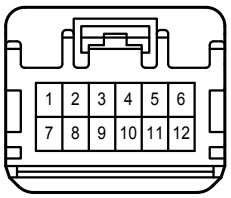
L 16
Yellow



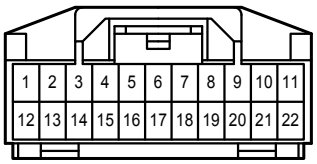
L 27
White



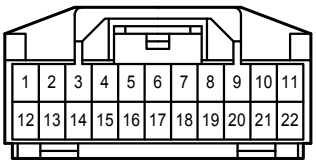
L 87
Black



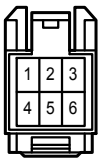
L 94
White



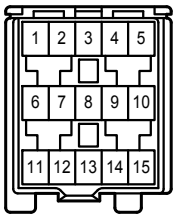
L 95
White



M 2
White

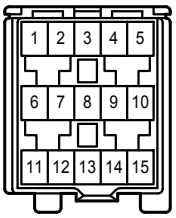


R 1
Yellow

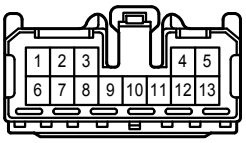


R 4
White

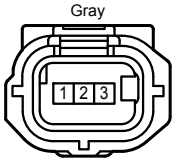
S 1
Yellow



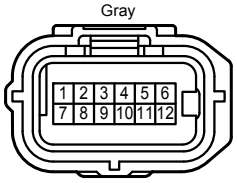
S 20
White



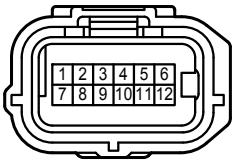
W 1
Gray



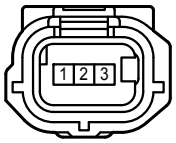
W 2
Gray



W 3
Black

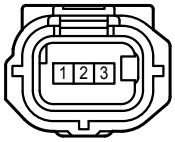


W 4
Black

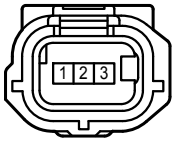


W 5
Gray

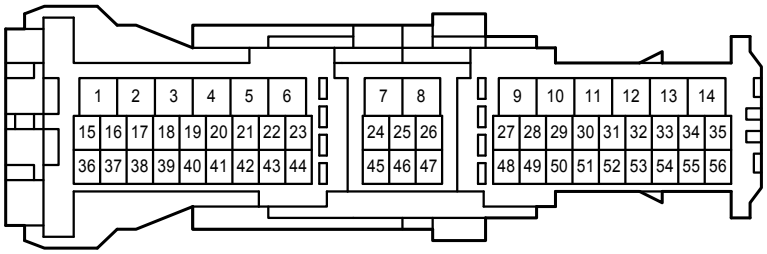
W 6
Gray



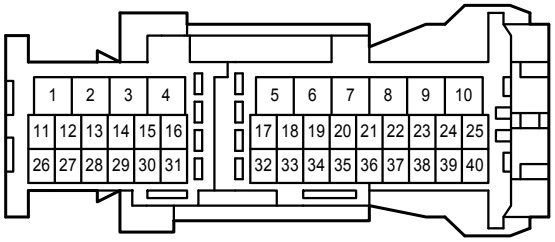
W 7
Black



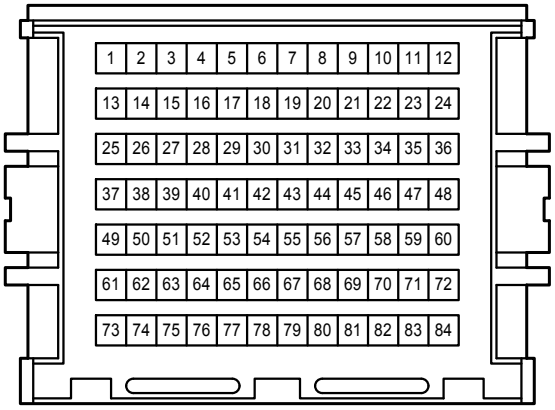
2A
White



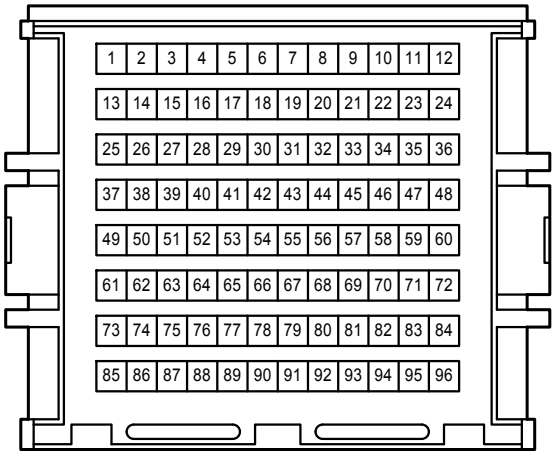
2C
White



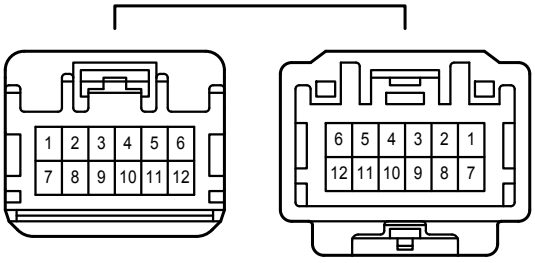
3A
White

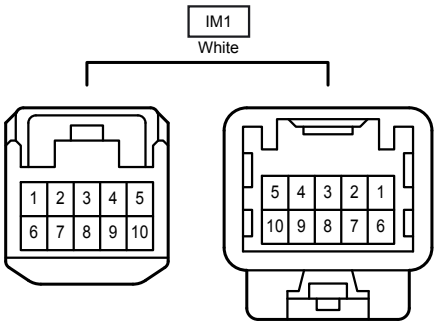


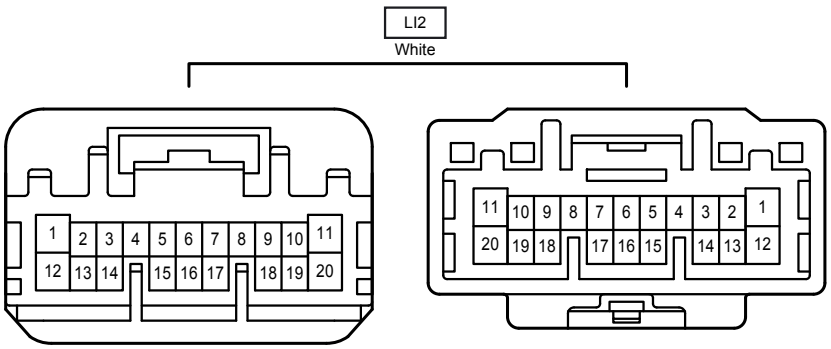
3B
White

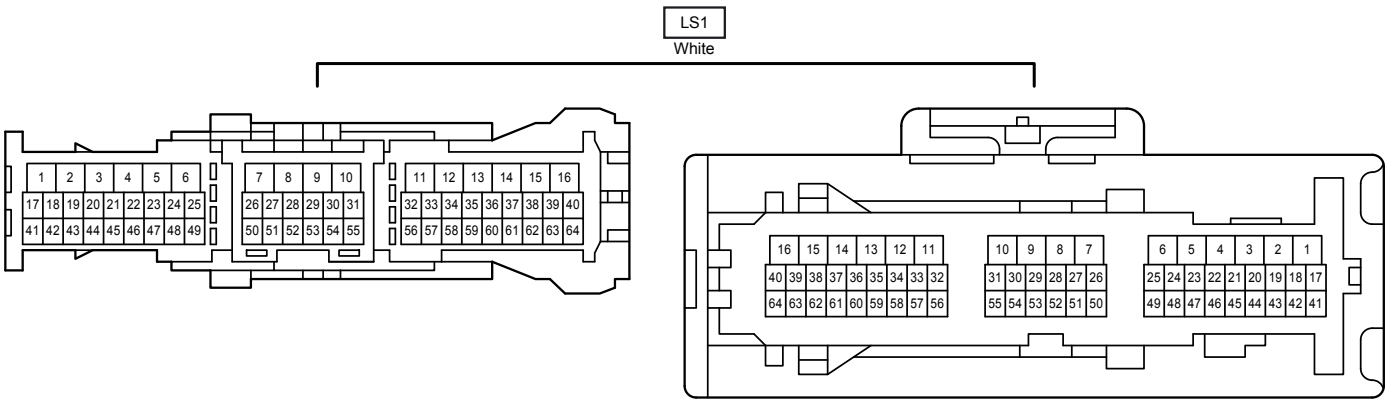


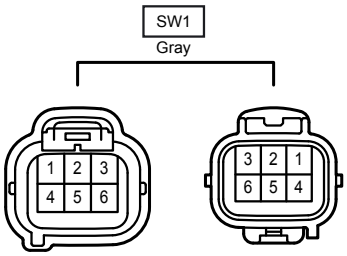
AL3
White

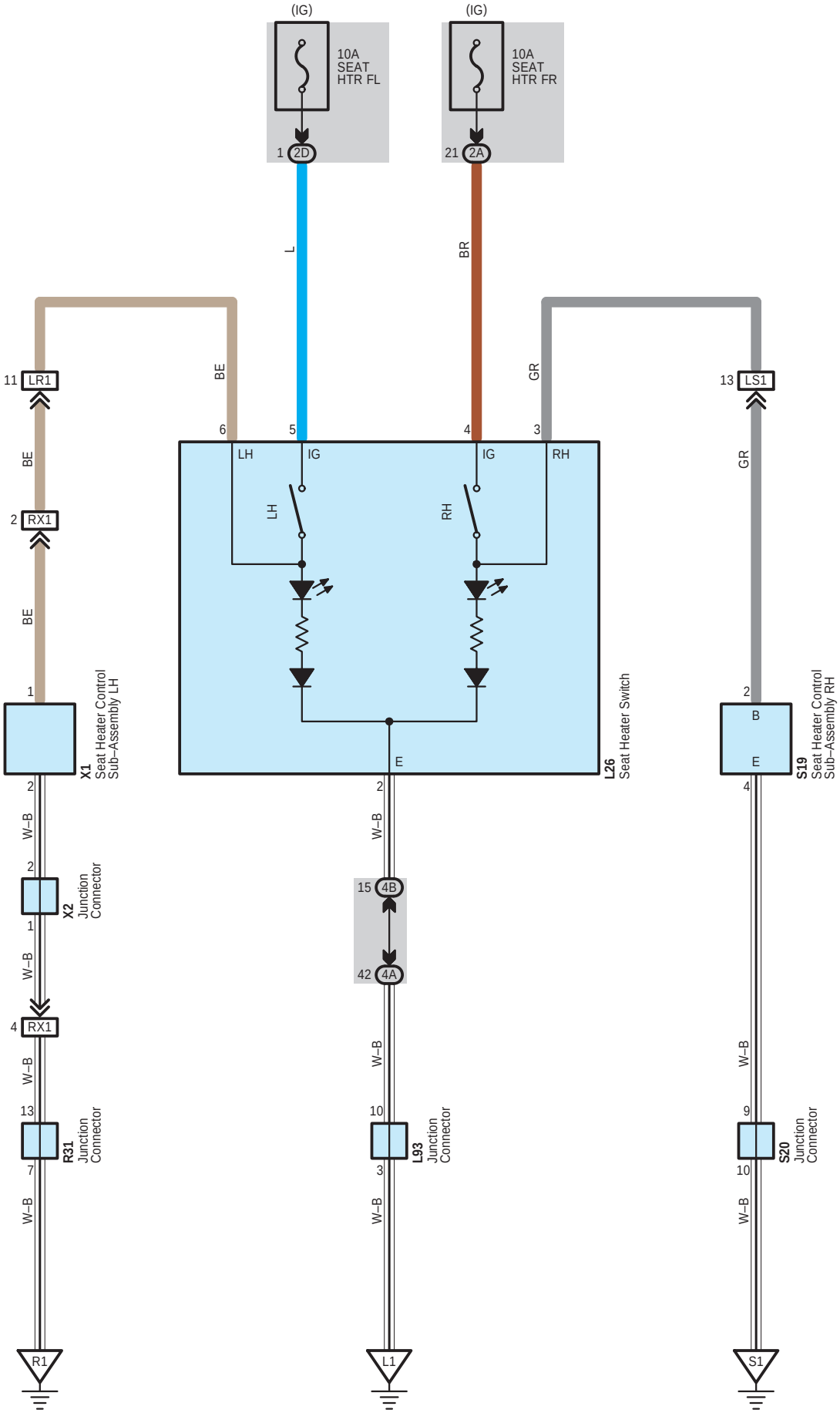



IM1
White
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6

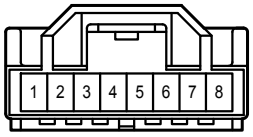

LI2
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12


LS1
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41

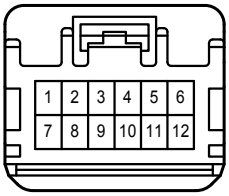

SW1
Gray
1 2 3
4 5 6
3 2 1
6 5 4


(IG)
10A
SEAT
HTR FL
1
2D
(IG)
10A
SEAT
HTR FR
21
2A
L
BR
11
LR1
BE
6
5
4
3
GR
13
LS1
BE
GR
LH
IG
IG
RH
LH
RH
2
RX1
BE
1
2
B
E
X1
Seat Heater Control
Sub–Assembly LH
L26
Seat Heater Switch
S19
Seat Heater Control
Sub–Assembly RH
2
W–B
2
X2
Junction
Connector
1
W–B
4
RX1
W–B
13
R31
Junction
Connector
7
W–B
15
4B
42
4A
W–B
10
L93
Junction
Connector
3
W–B
4
W–B
9
S20
Junction
Connector
10
W–B
R1
L1
S1

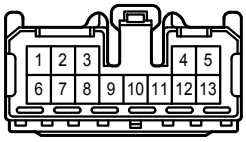
L 26
Black



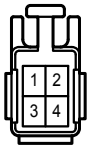
L 93
White



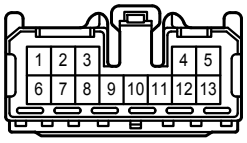
R 31
White



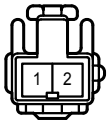
S 19
White



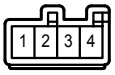
S 20
White



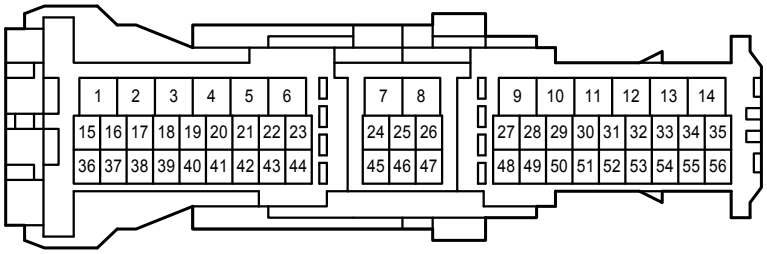
X 1
White



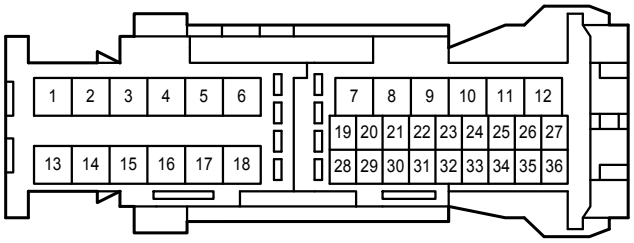
X 2
Black



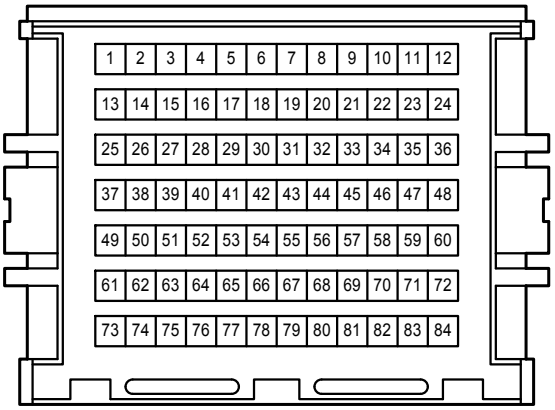
2A
White



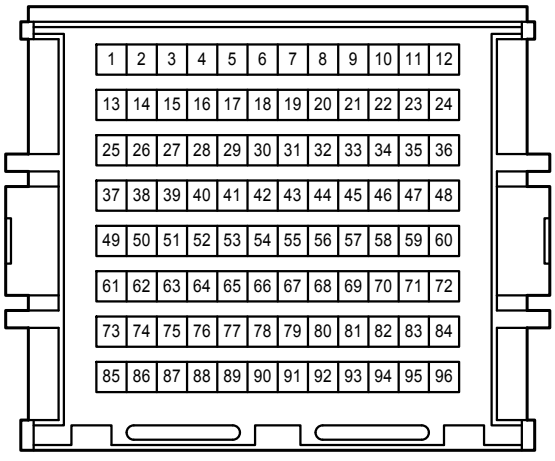
2D
White



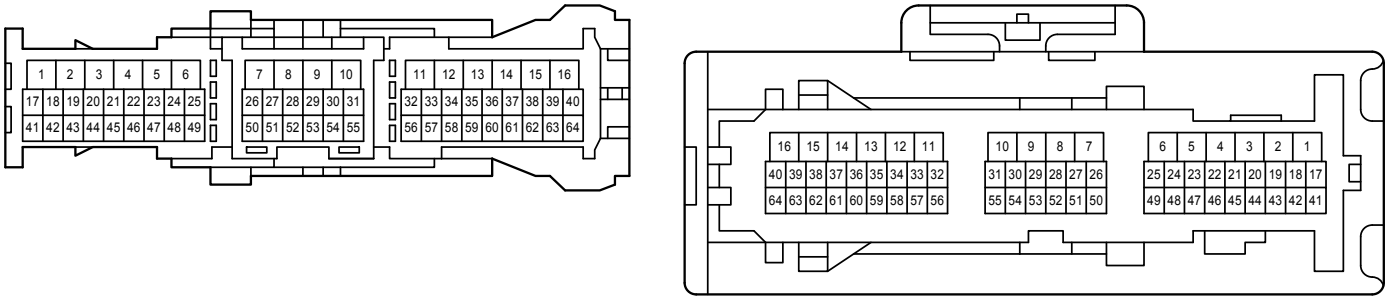
4A
White



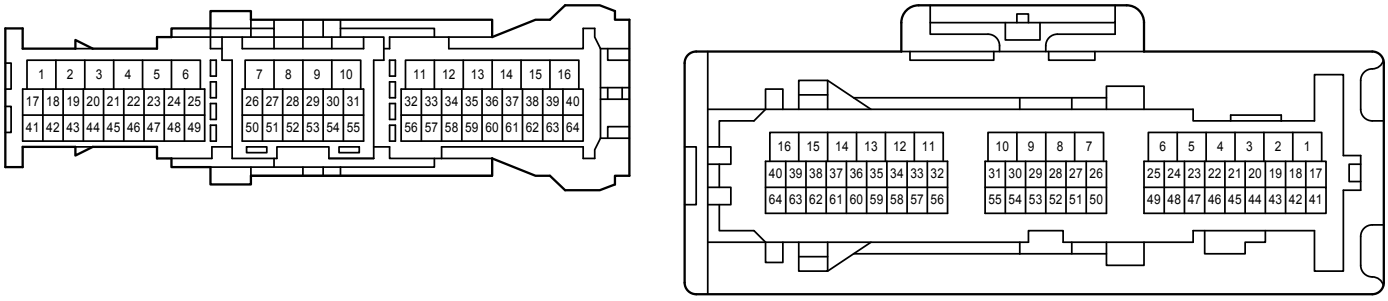
4B
White



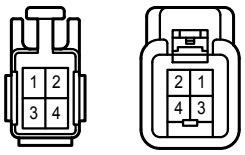
LR1
White

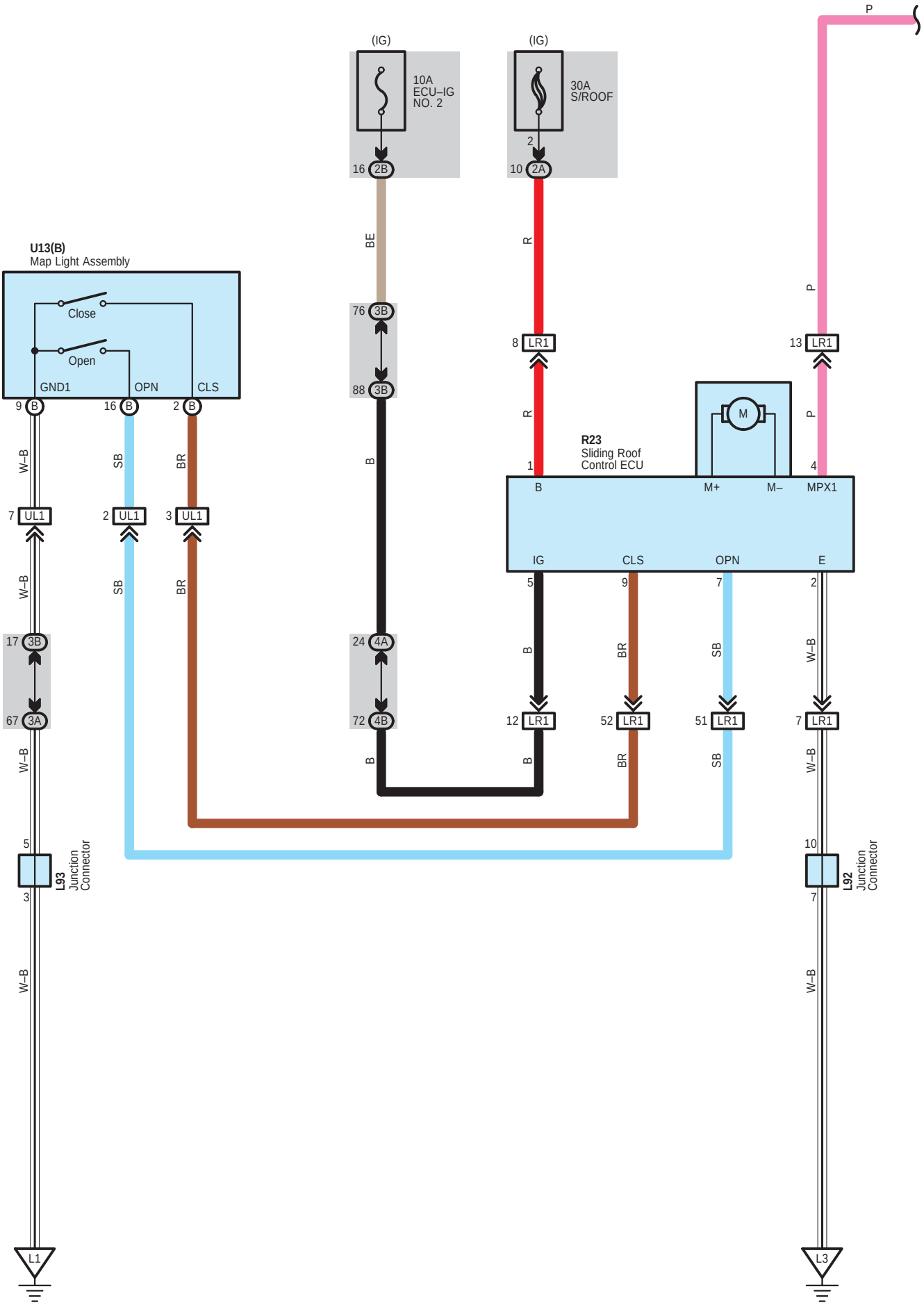


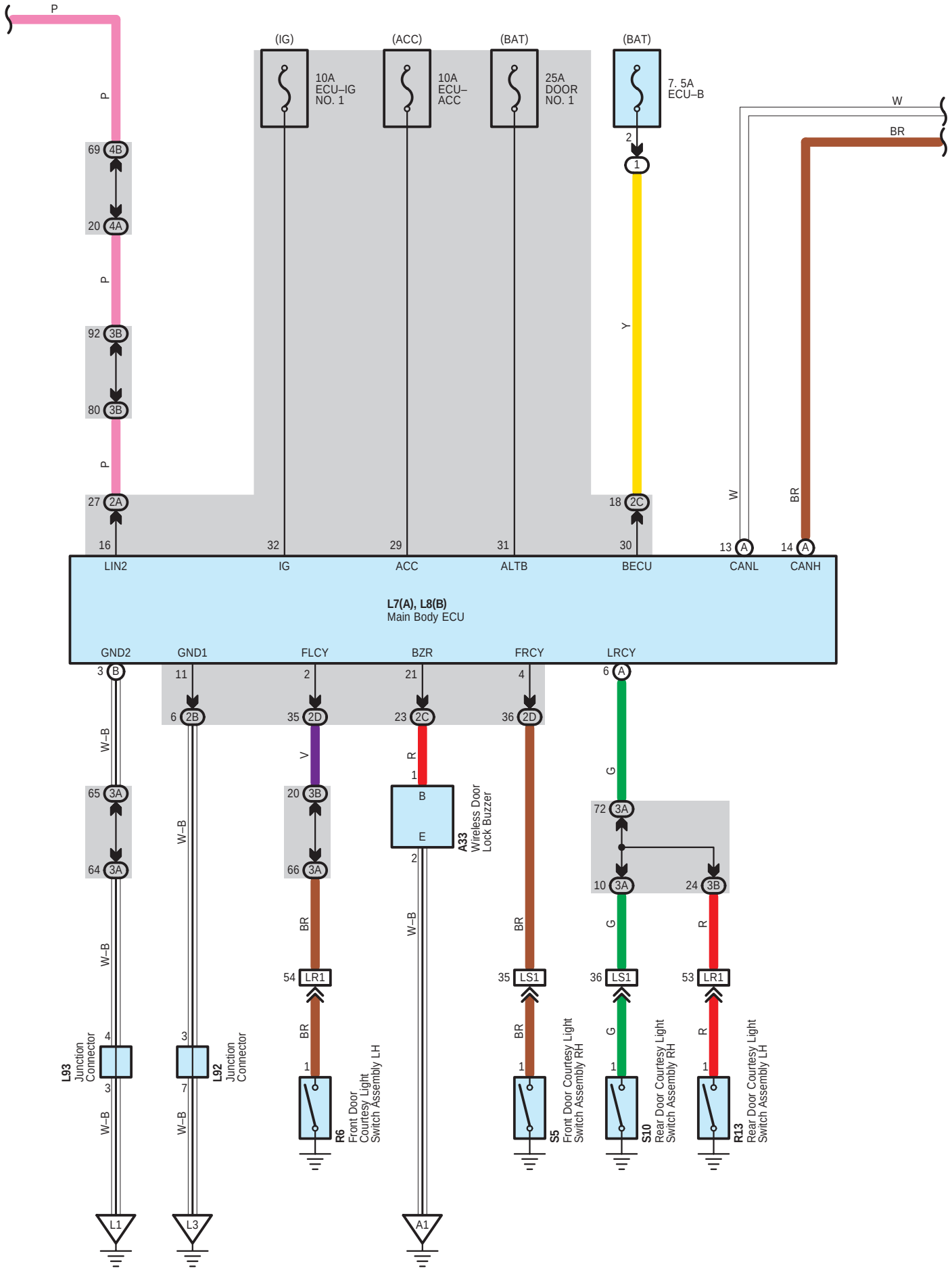
LS1
White

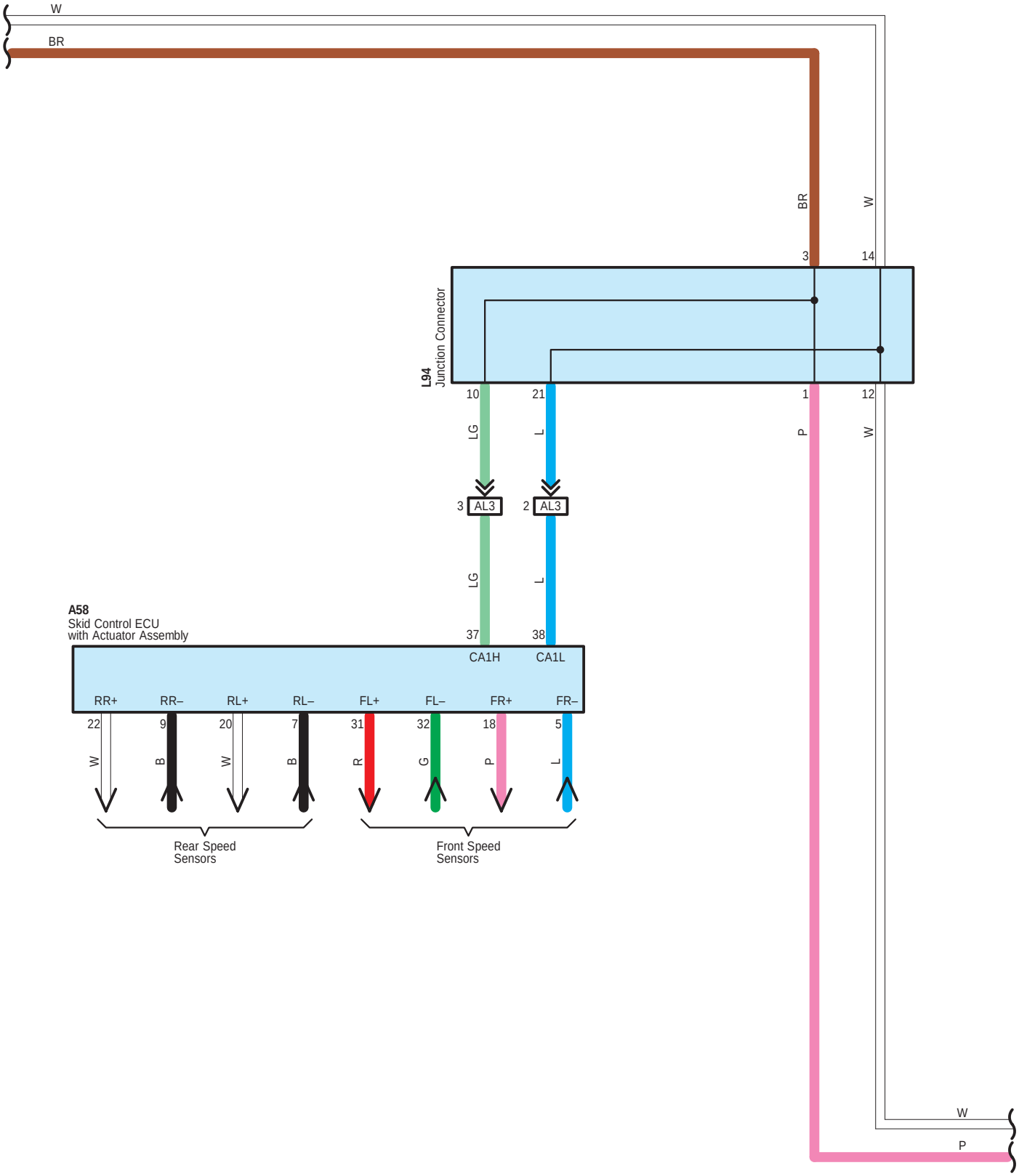


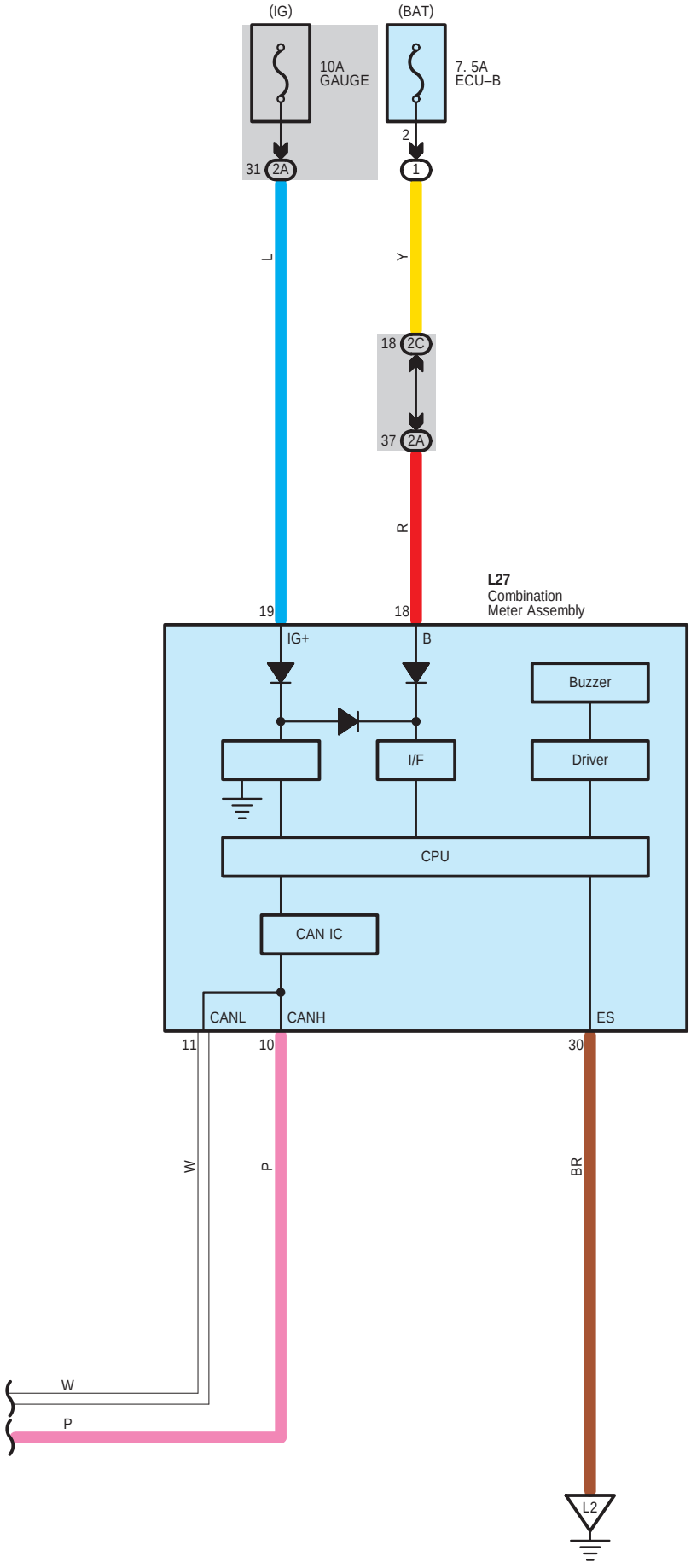
RX1
White



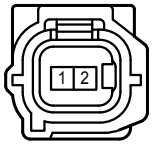

(IG)
10A
ECU–IG
NO. 2
16 2B
(IG)
30A
S/ROOF
2
10 2A
P
BE
R
P
U13(B)
Map Light Assembly
Close
Open
GND1
OPN
CLS
9 B
16 B
2 B
76 3B
88 3B
8 LR1
13 LR1
R23
Sliding Roof
Control ECU
M
M+
M–
MPX1
1
B
4
W–B
SB
BR
B
R
P
7 UL1
2 UL1
3 UL1
IG
CLS
OPN
E
5
9
7
2
17 3B
67 3A
24 4A
72 4B
12 LR1
52 LR1
51 LR1
7 LR1
W–B
SB
BR
B
L93
Junction
Connector
L92
Junction
Connector
10
7
L1
L3


P
(IG)
(ACC)
(BAT)
(BAT)
10A ECU–IG NO. 1
10A ECU–ACC
25A DOOR NO. 1
7. 5A ECU–B
W
BR
69 4B
20 4A
92 3B
80 3B
27 2A
16
32
29
31
2
1
18 2C
30
13 A
14 A
LIN2
IG
ACC
ALTB
BECU
CANL
CANH
L7(A), L8(B)
Main Body ECU
GND2
GND1
FLCY
BZR
FRCY
LRCY
3 B
11
6 2B
2
35 2D
21
23 2C
4
36 2D
6 A
65 3A
64 3A
20 3B
66 3A
1
B
E
2
72 3A
10 3A
24 3B
54 LR1
35 LS1
36 LS1
53 LR1
4
3
7
1
L93 Junction Connector
L92 Junction Connector
A33 Wireless Door Lock Buzzer
R6 Front Door Courtesy Light Switch Assembly LH
S5 Front Door Courtesy Light Switch Assembly RH
S10 Rear Door Courtesy Light Switch Assembly RH
R13 Rear Door Courtesy Light Switch Assembly LH
L1
L3
A1

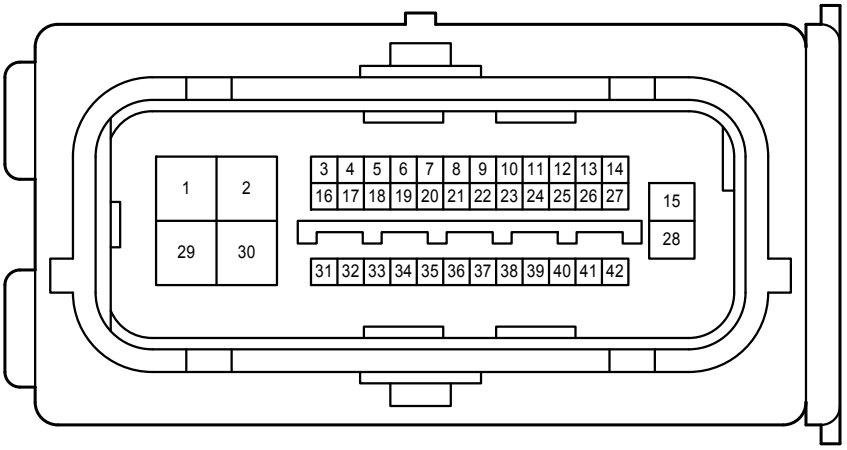

W
BR
BR
W
3
14
L94
Junction Connector
10
21
1
12
LG
L
P
W
3
AL3
2
AL3
LG
L
A58
Skid Control ECU
with Actuator Assembly
37
38
CA1H
CA1L
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
22
9
20
7
31
32
18
5
W
B
W
B
R
G
P
L
Rear Speed
Sensors
Front Speed
Sensors
W
P


(IG)
(BAT)
10A
GAUGE
7. 5A
ECU–B
31 2A
2
1
L
Y
18 2C
37 2A
R
L27
Combination
Meter Assembly
19
18
IG+
B
Buzzer
I/F
Driver
CPU
CAN IC
CANL
CANH
ES
11
10
30
W
P
BR
W
P
L2

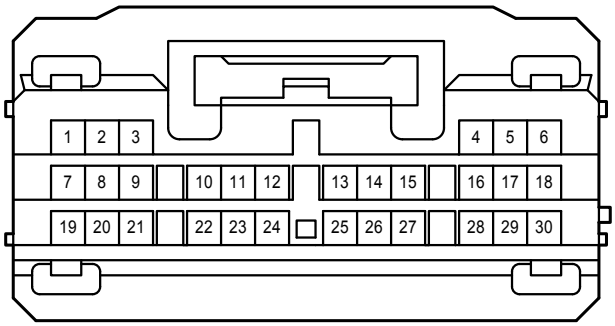
A 33
Gray



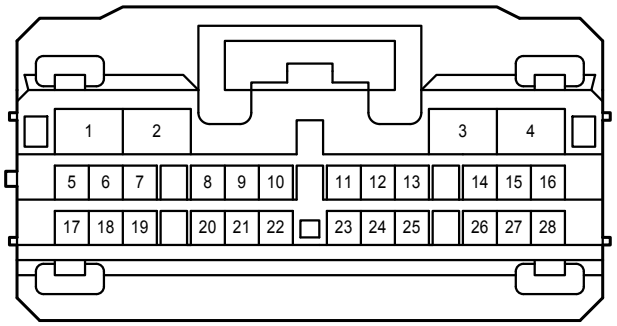
A 58
Gray



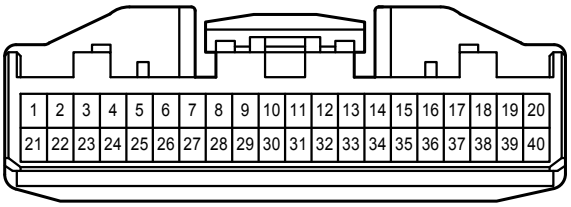
L 7
White



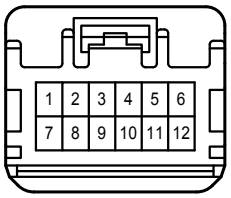
L 8
White



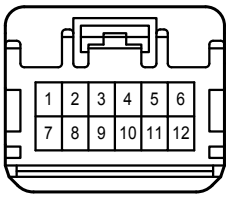
L 27
White



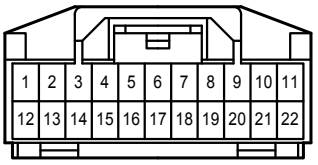
L 92
White



L 93
White



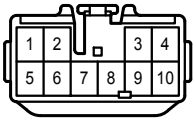
L 94
White



R 6
Black

R 13
Black

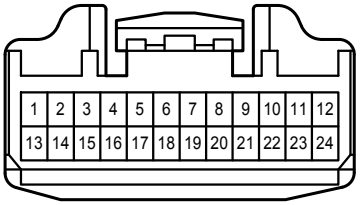
R 23
White



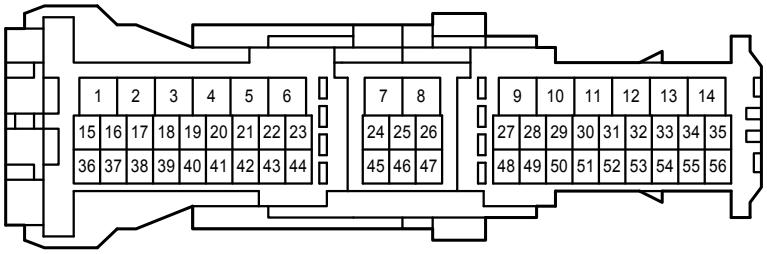
S 5
Black

S 10
Black

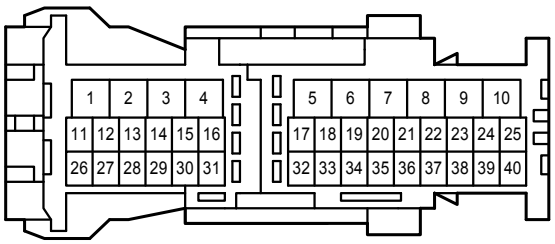
U 13
White



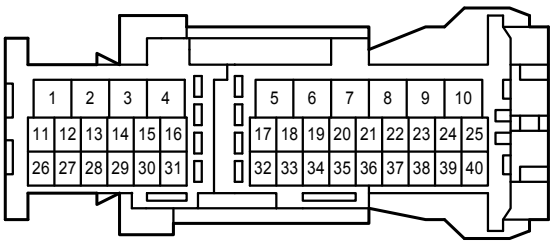
2A
White



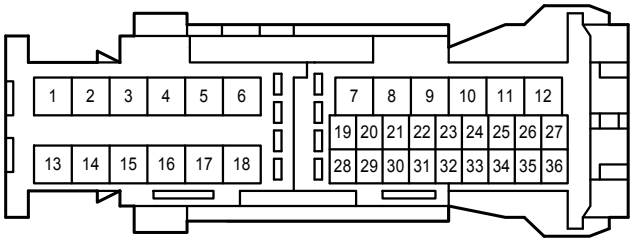
2B
White



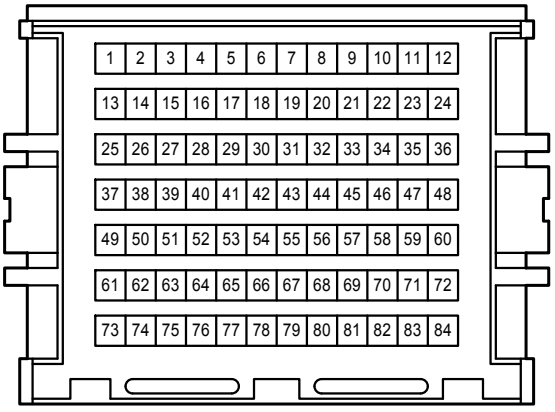
2C
White



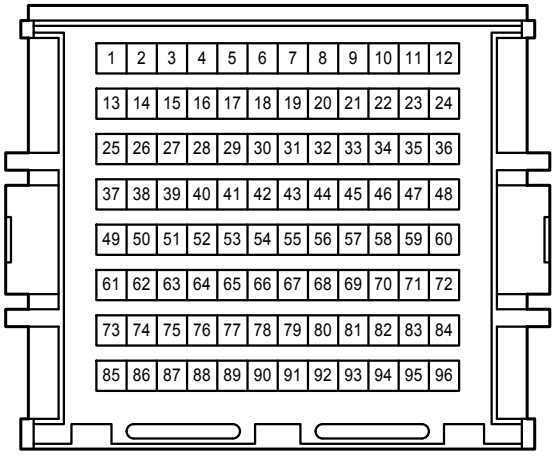
2D
White



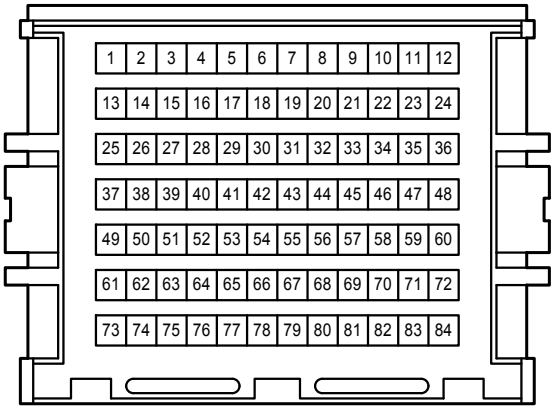
3A
White



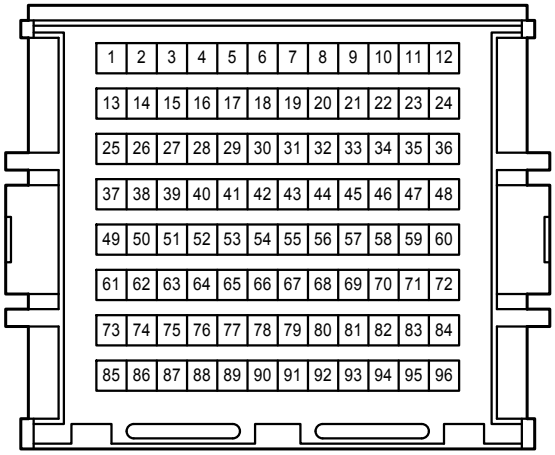
3B
White



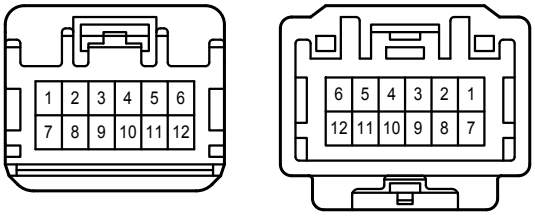
4A
White



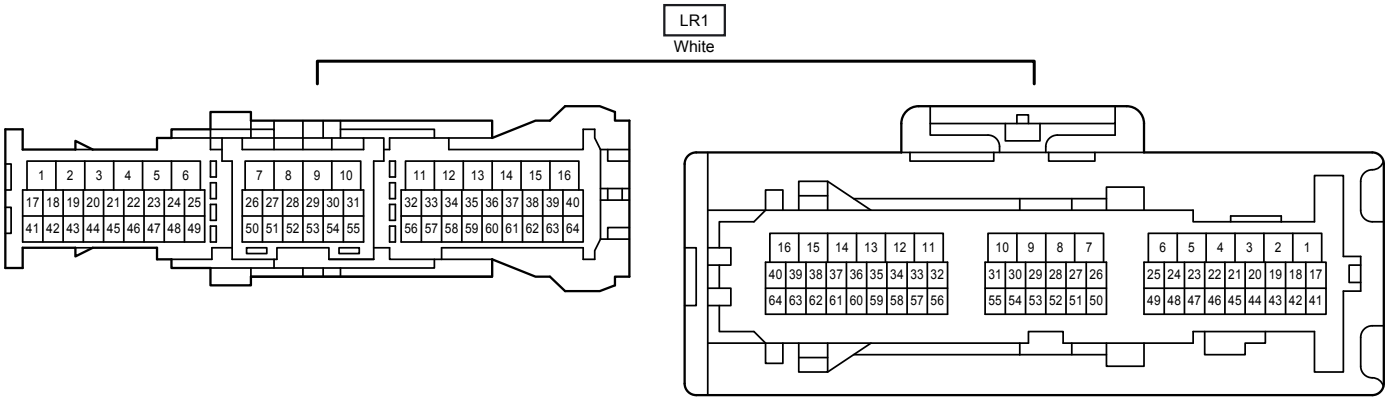
4B
White



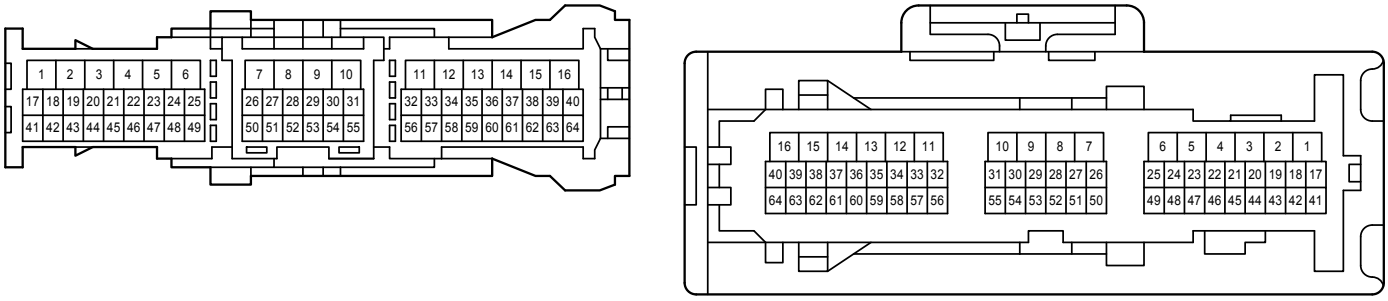
AL3
White



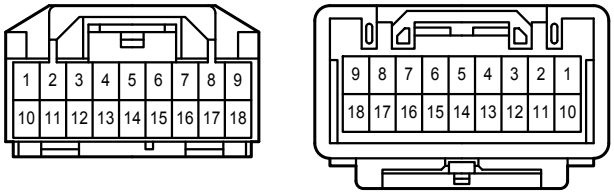
LR1
White

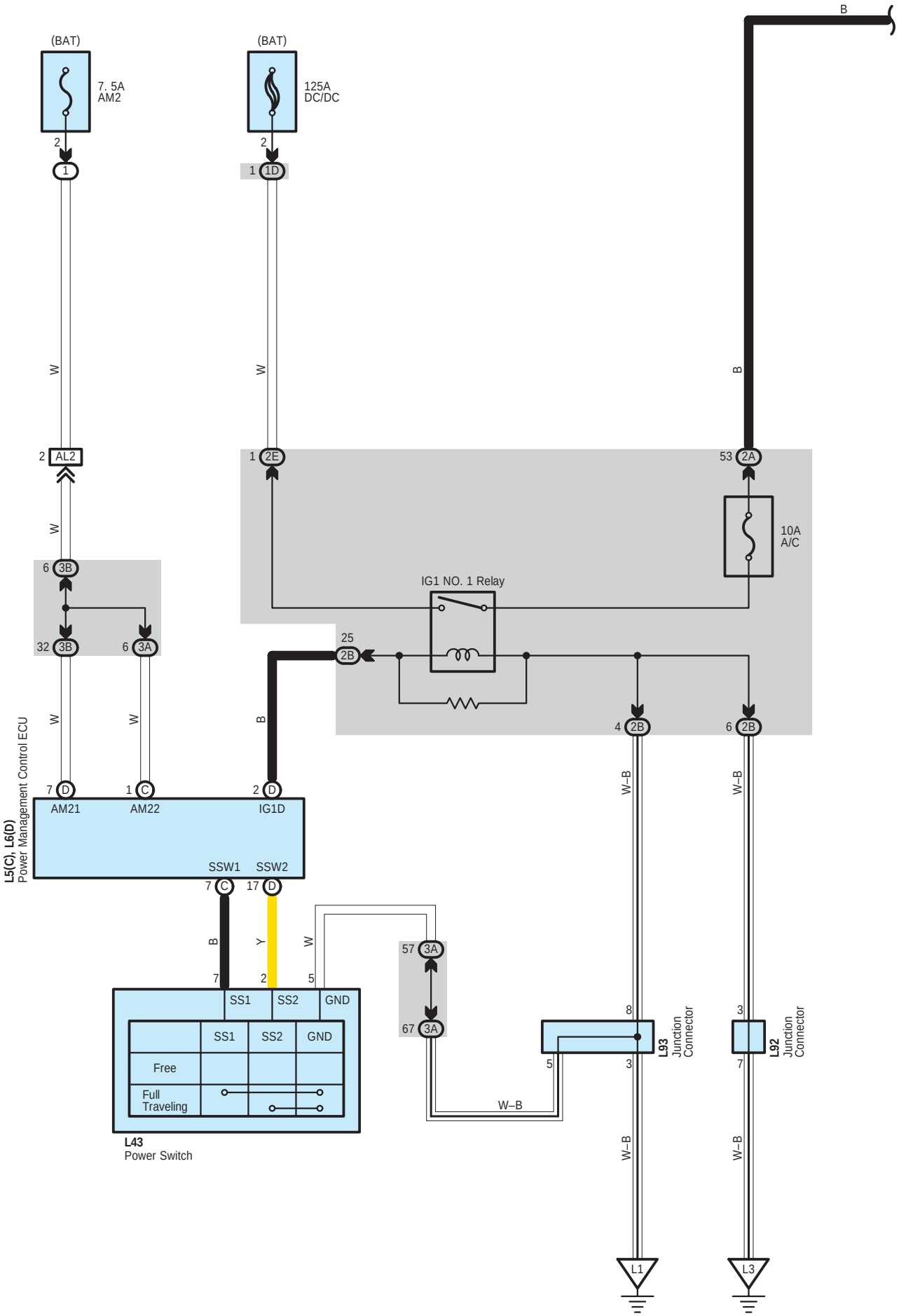


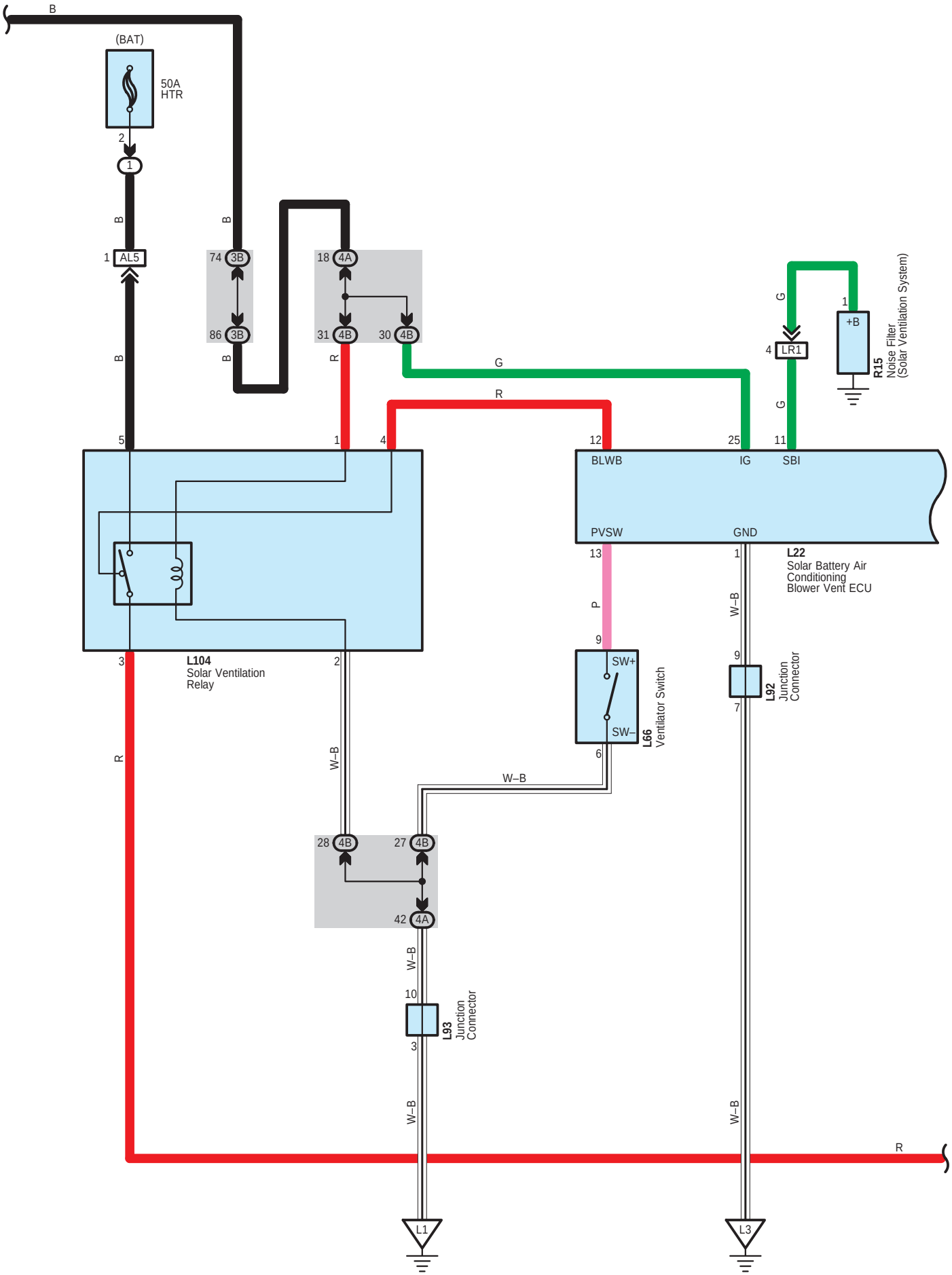
LS1
White

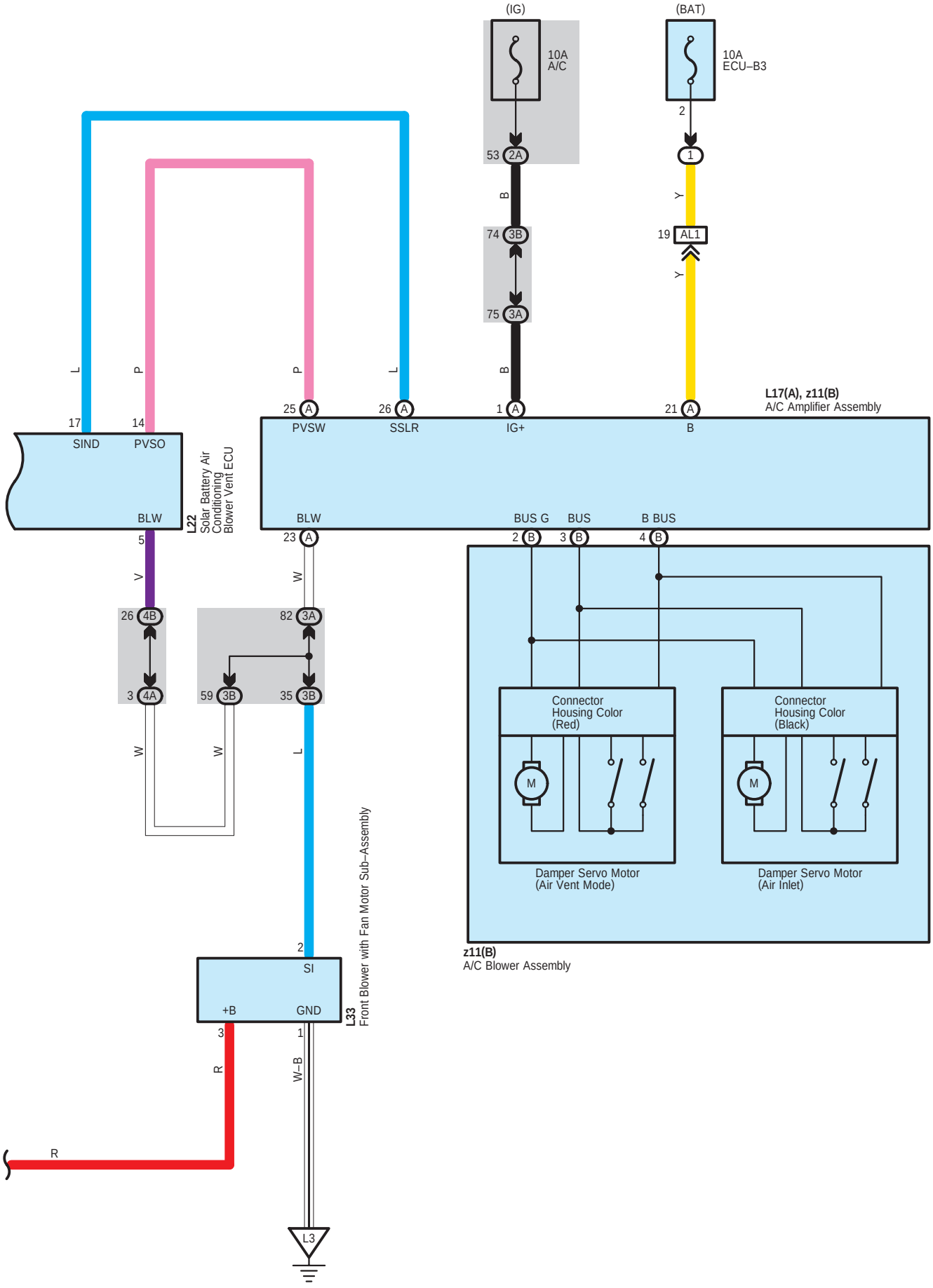


UL1
Gray

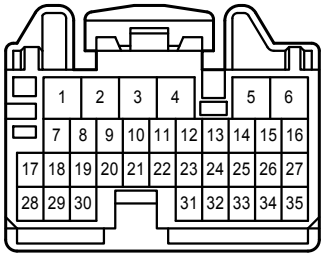



(BAT)
7. 5A
AM2
(BAT)
125A
DC/DC
B
2
1
1
1D
W
W
B
2
AL2
1
2E
53
2A
10A
A/C
W
6
3B
IG1 NO. 1 Relay
32
3B
6
3A
25
2B
W
W
B
4
2B
6
2B
7
D
1
C
2
D
AM21
AM22
IG1D
L5(C), L6(D)
Power Management Control ECU
SSW1
SSW2
7
C
17
D
B
Y
W
7
2
5
57
3A
67
3A
SS1
SS2
GND
SS1
SS2
GND
Free
Full
Traveling
L43
Power Switch
8
3
L93
Junction
Connector
5
3
W–B
3
7
L92
Junction
Connector
W–B
W–B
L1
L3

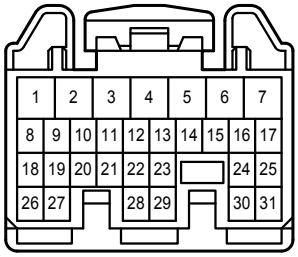

B
(BAT)
50A
HTR
2
1
B
1 AL5
B
5
B
74 3B
86 3B
B
B
18 4A
31 4B
30 4B
R
G
R
1
4
12
25
11
BLWB
IG
SBI
G
4 LR1
G
1
+B
R15
Noise Filter
(Solar Ventilation System)
PVSW
GND
13
1
L22
Solar Battery Air
Conditioning
Blower Vent ECU
P
9
W–B
9
L92
Junction
Connector
7
SW+
SW–
L66
Ventilator Switch
6
3
L104
Solar Ventilation
Relay
2
R
W–B
W–B
28 4B
27 4B
42 4A
W–B
10
L93
Junction
Connector
3
W–B
W–B
R
L1
L3


(IG)
10A
A/C
(BAT)
10A
ECU–B3
2
53 2A
1
B
Y
74 3B
19 AL1
Y
75 3A
B
L
P
P
L
17
14
25 A
26 A
1 A
21 A
SIND
PVSO
PVSW
SSLR
IG+
B
L17(A), z11(B)
A/C Amplifier Assembly
L22
Solar Battery Air
Conditioning
Blower Vent ECU
BLW
BLW
BUS G
BUS
B BUS
5
23 A
2 B
3 B
4 B
V
W
26 4B
82 3A
3 4A
59 3B
35 3B
W
W
L
Connector
Housing Color
(Red)
Connector
Housing Color
(Black)
M
M
Damper Servo Motor
(Air Vent Mode)
Damper Servo Motor
(Air Inlet)
z11(B)
A/C Blower Assembly
2
SI
+B
GND
L33
Front Blower with Fan Motor Sub–Assembly
3
1
R
W–B
R
L3

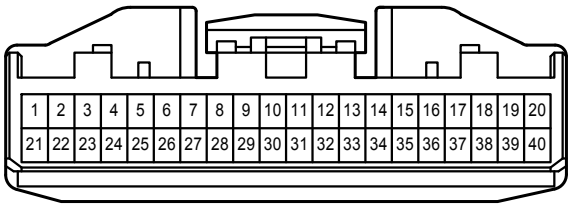
L 5
Gray



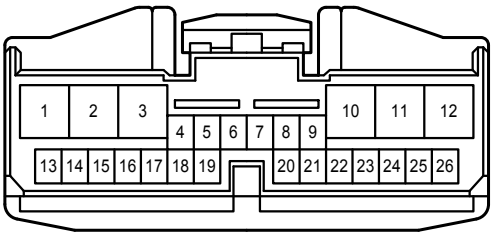
L 6
Gray



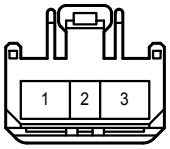
L 17
White



L 22
Black



L 33
Black



L 43
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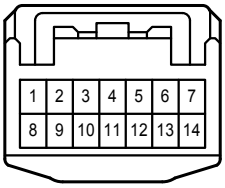
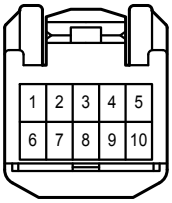
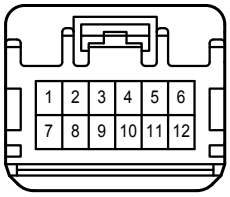


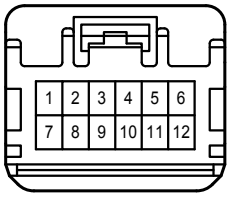
L 66
White



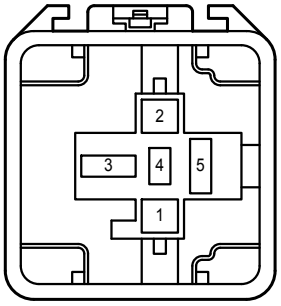
L 92
White



L 93
White

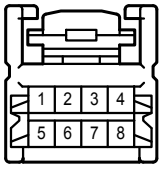


L104
White

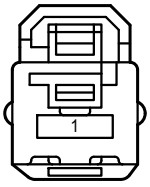


R 15
White

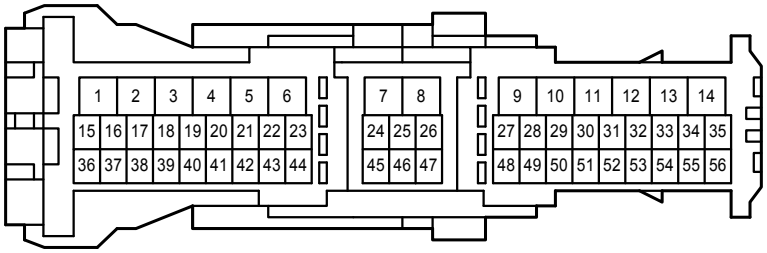
z 11
White



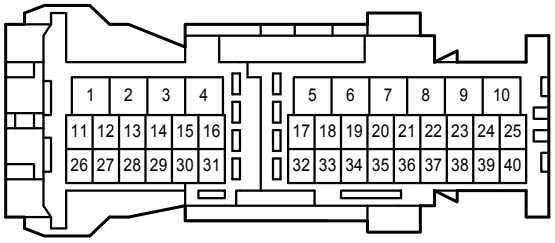
1D
Black



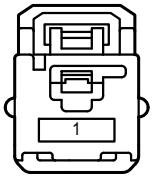
2A
White



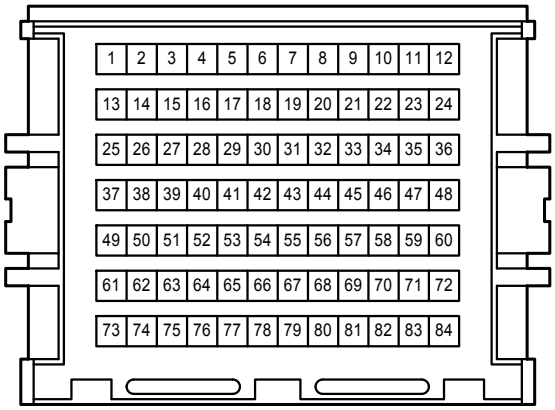
2B
White



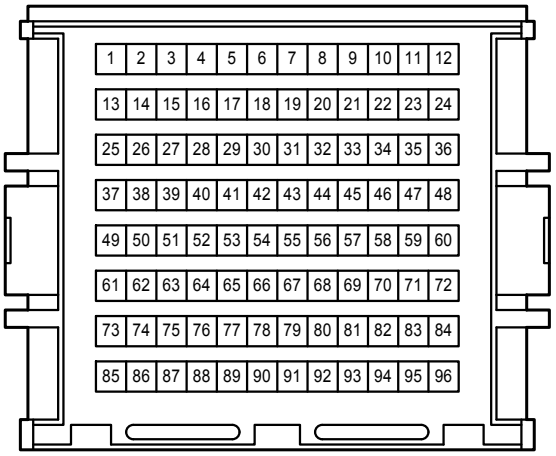
2E
White



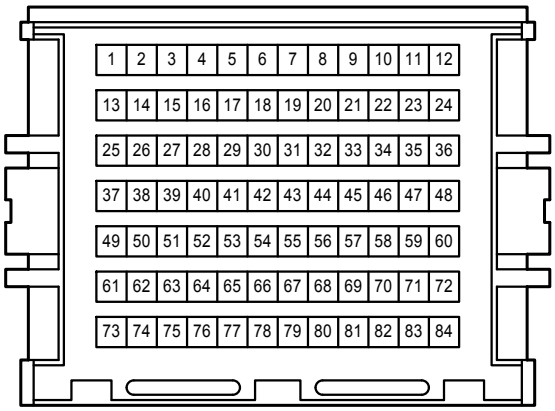
3A
White



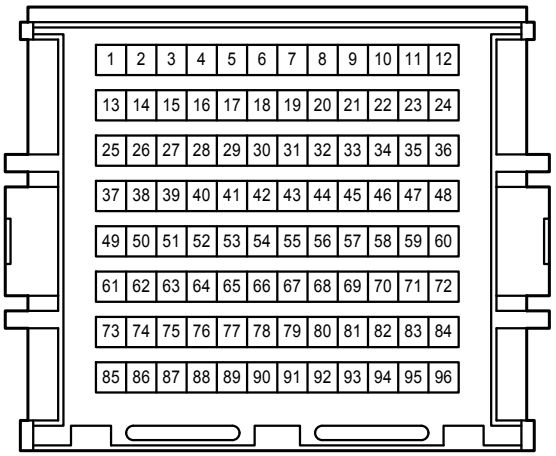
3B
White



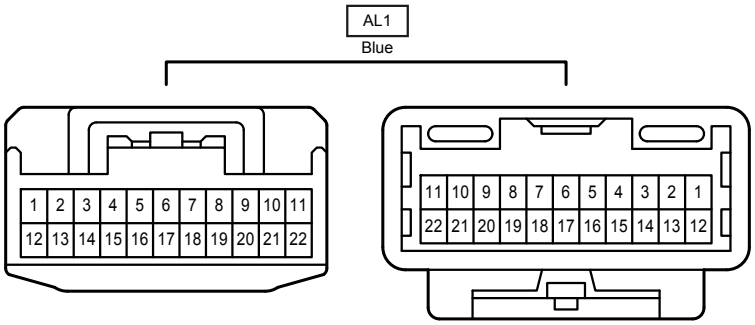
4A
White

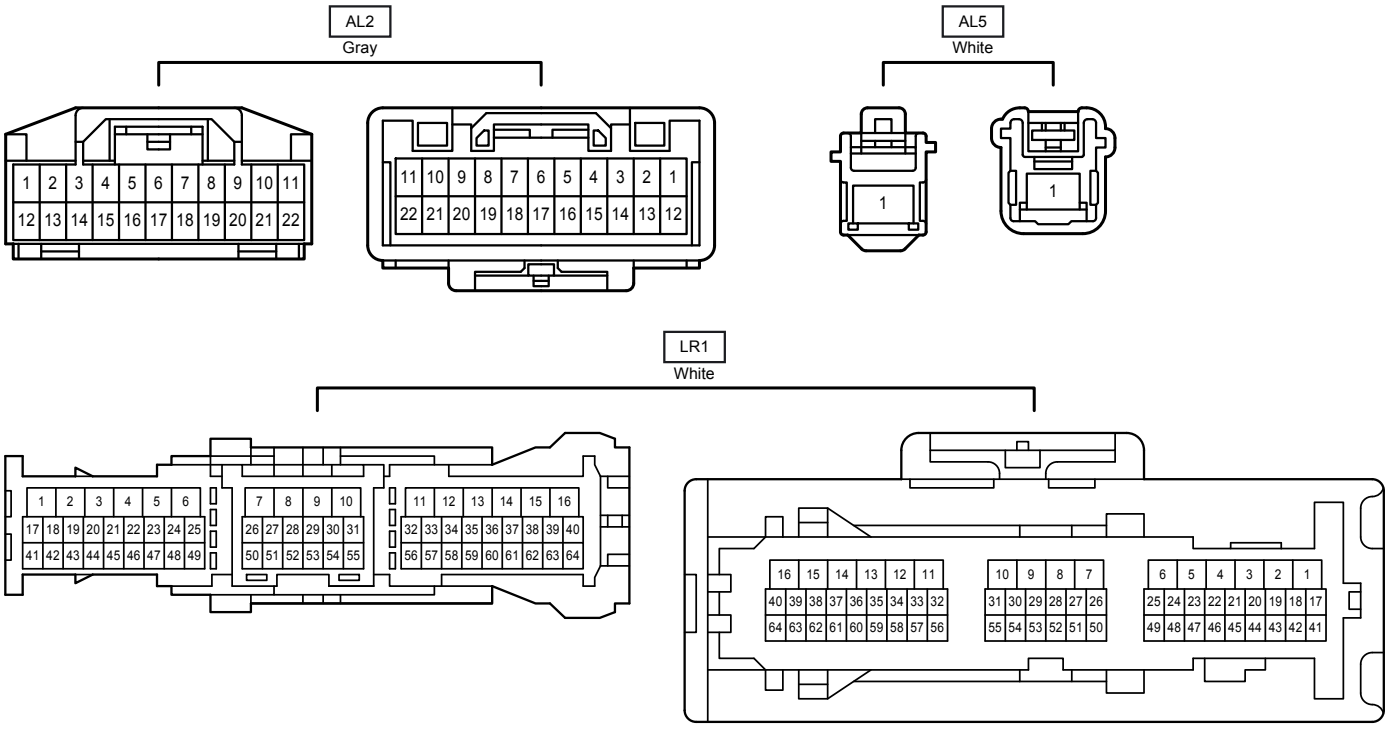


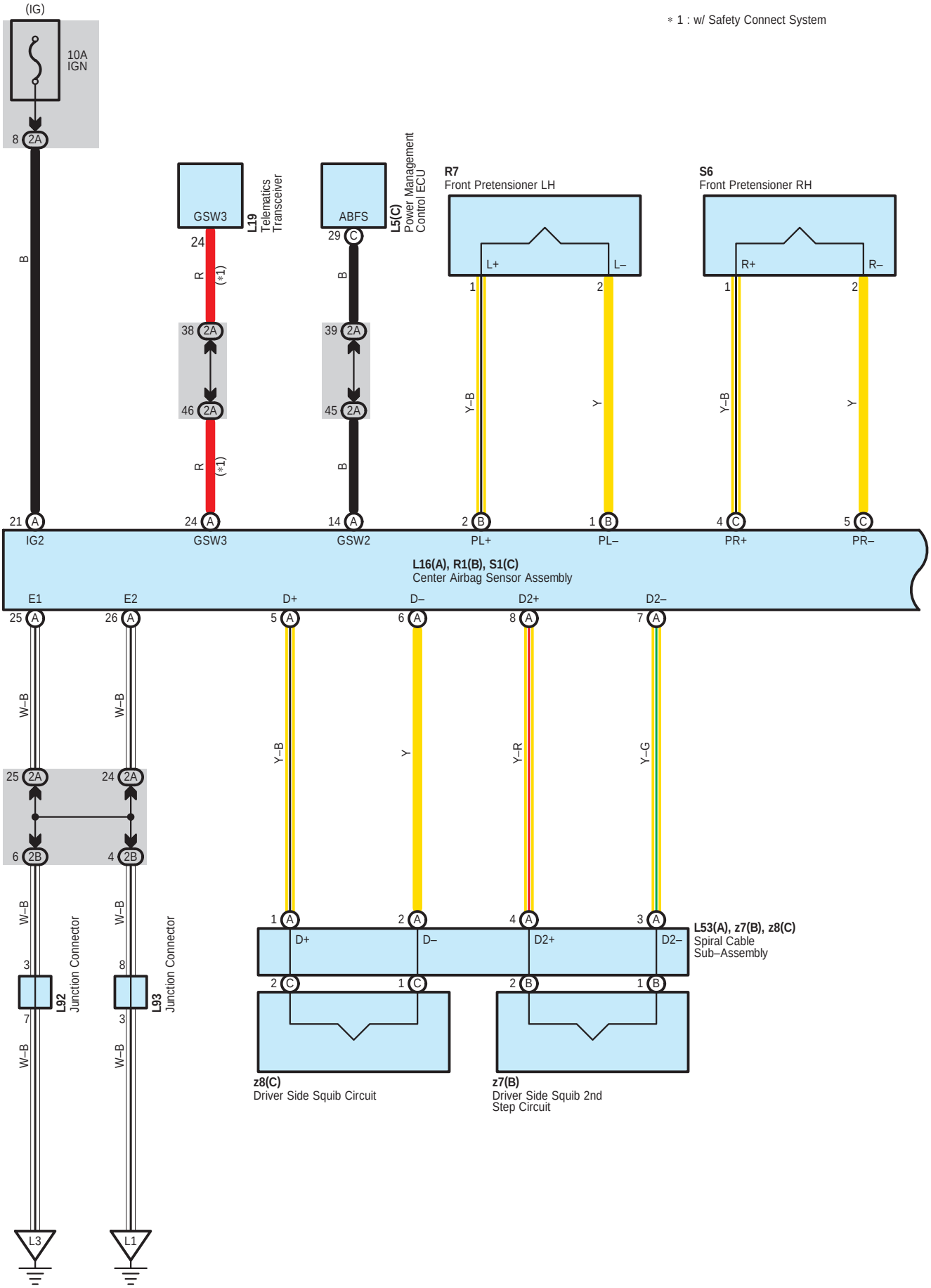
4B
White

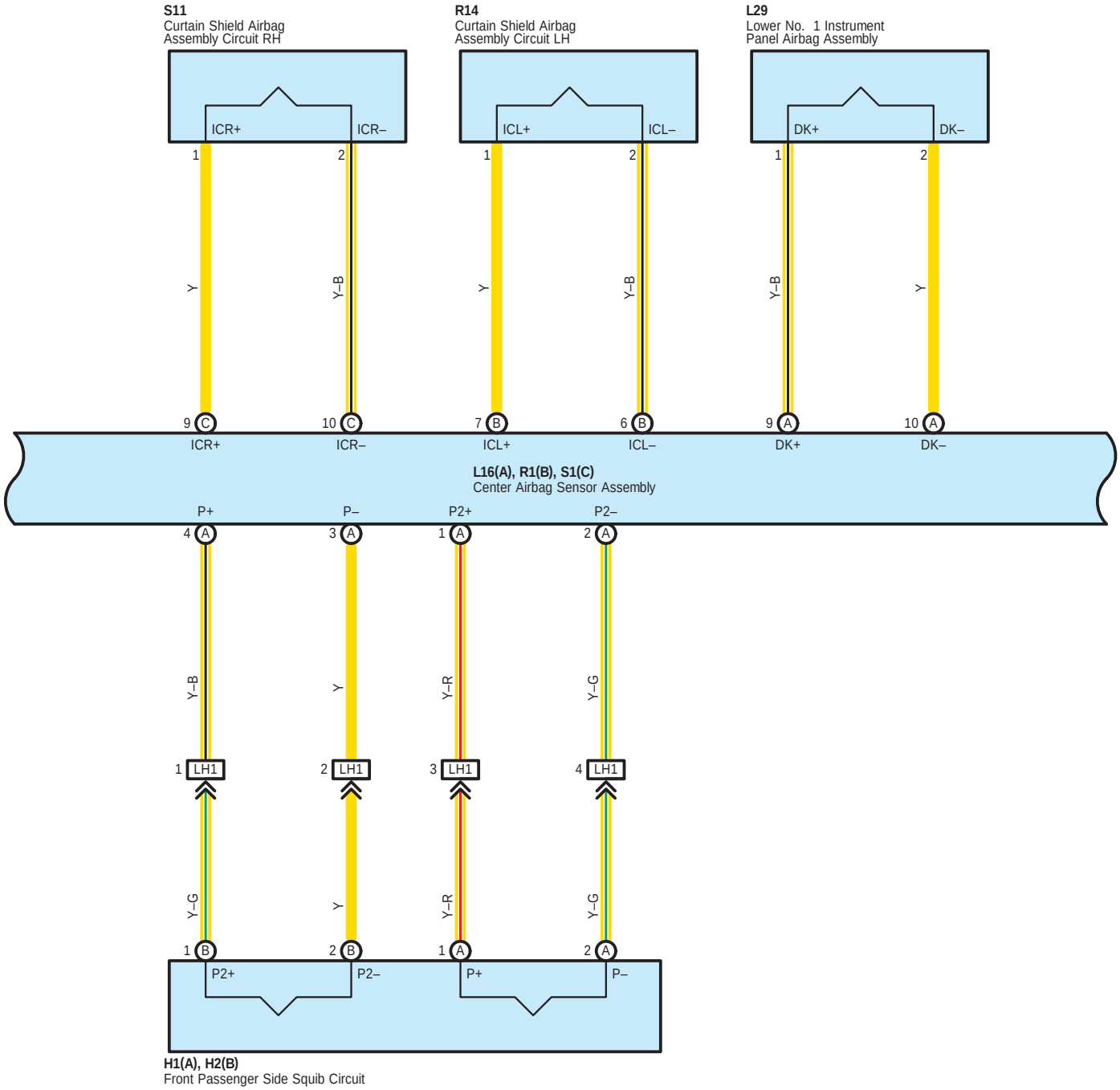


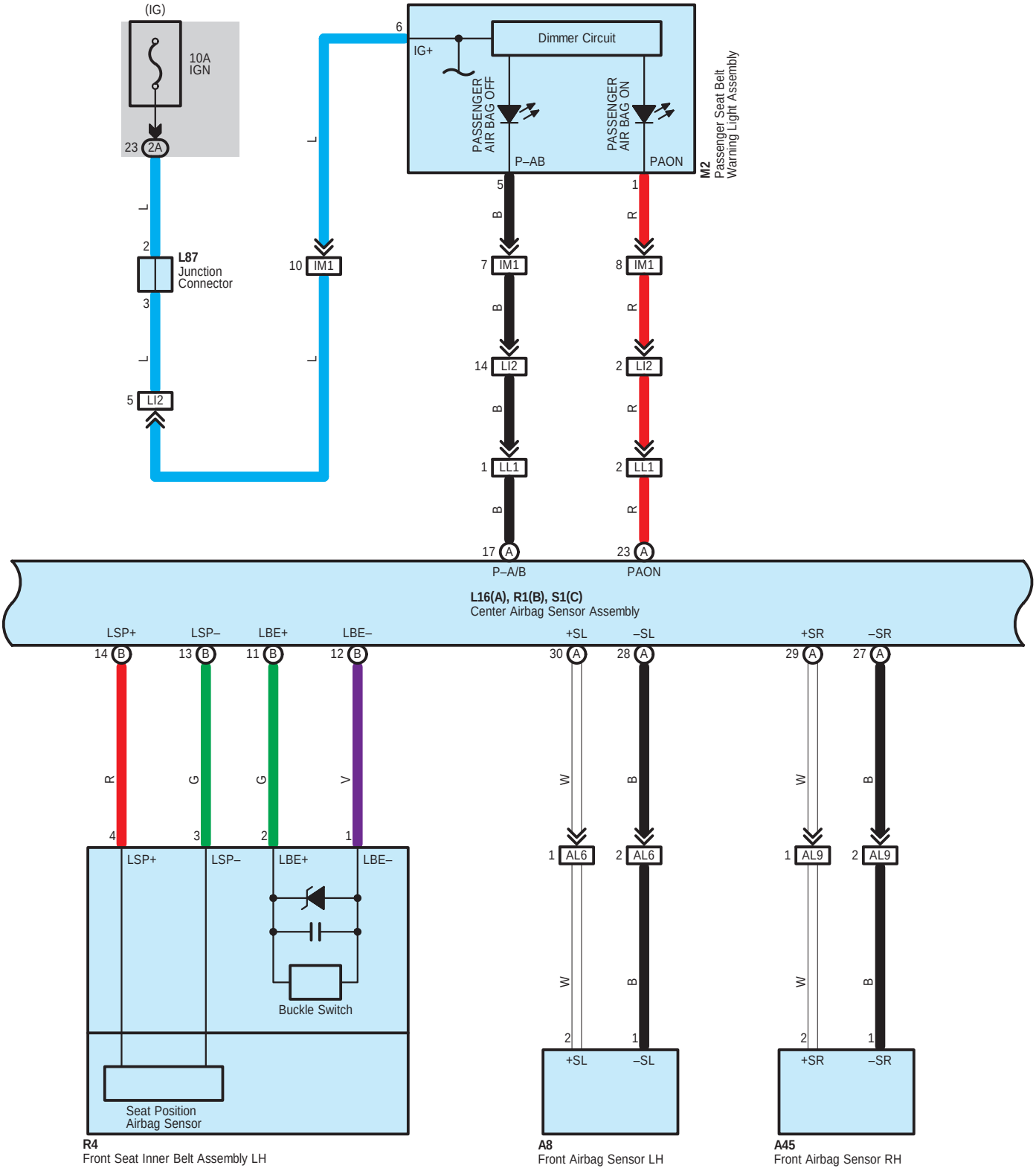
AL1
Blue

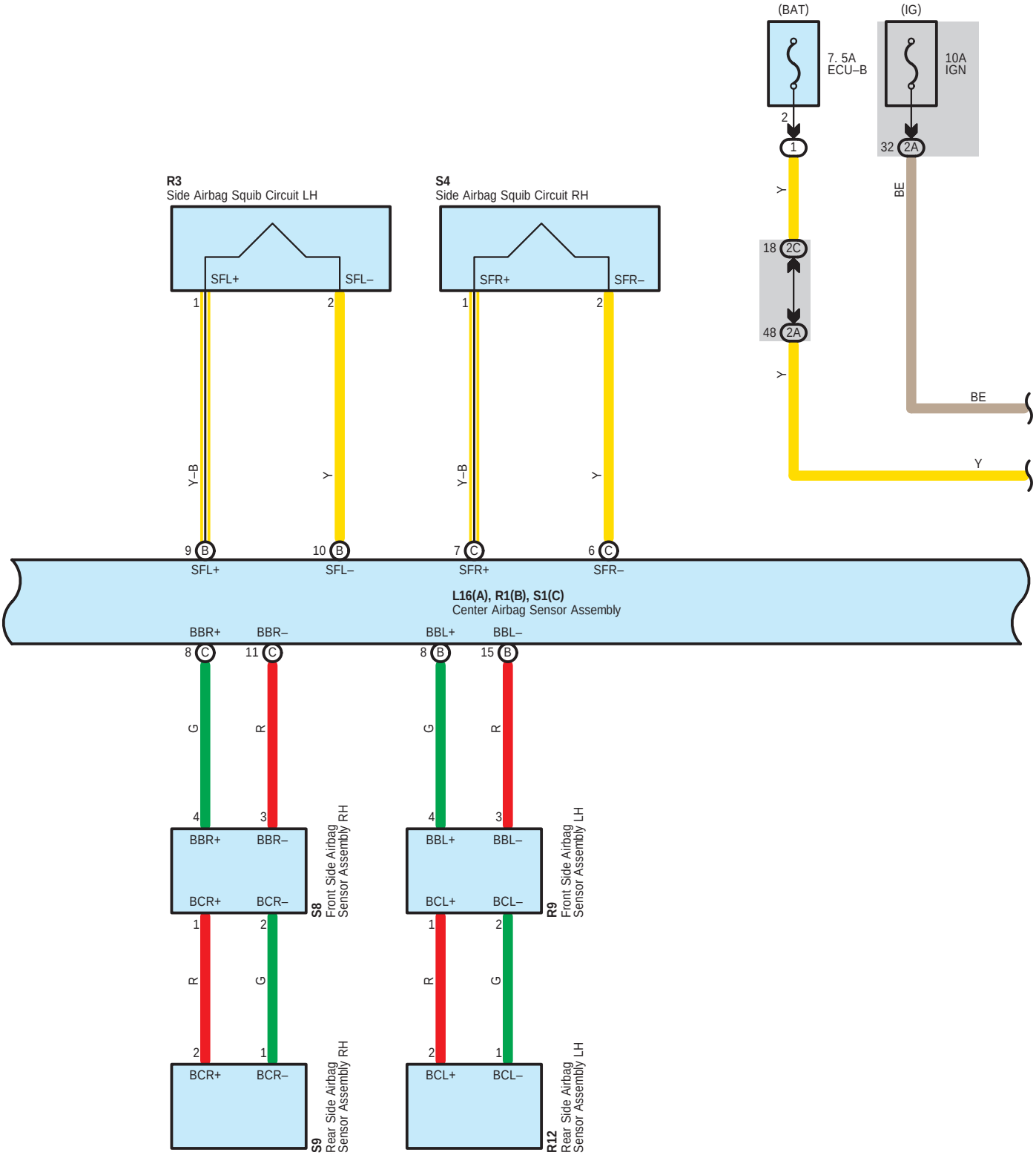


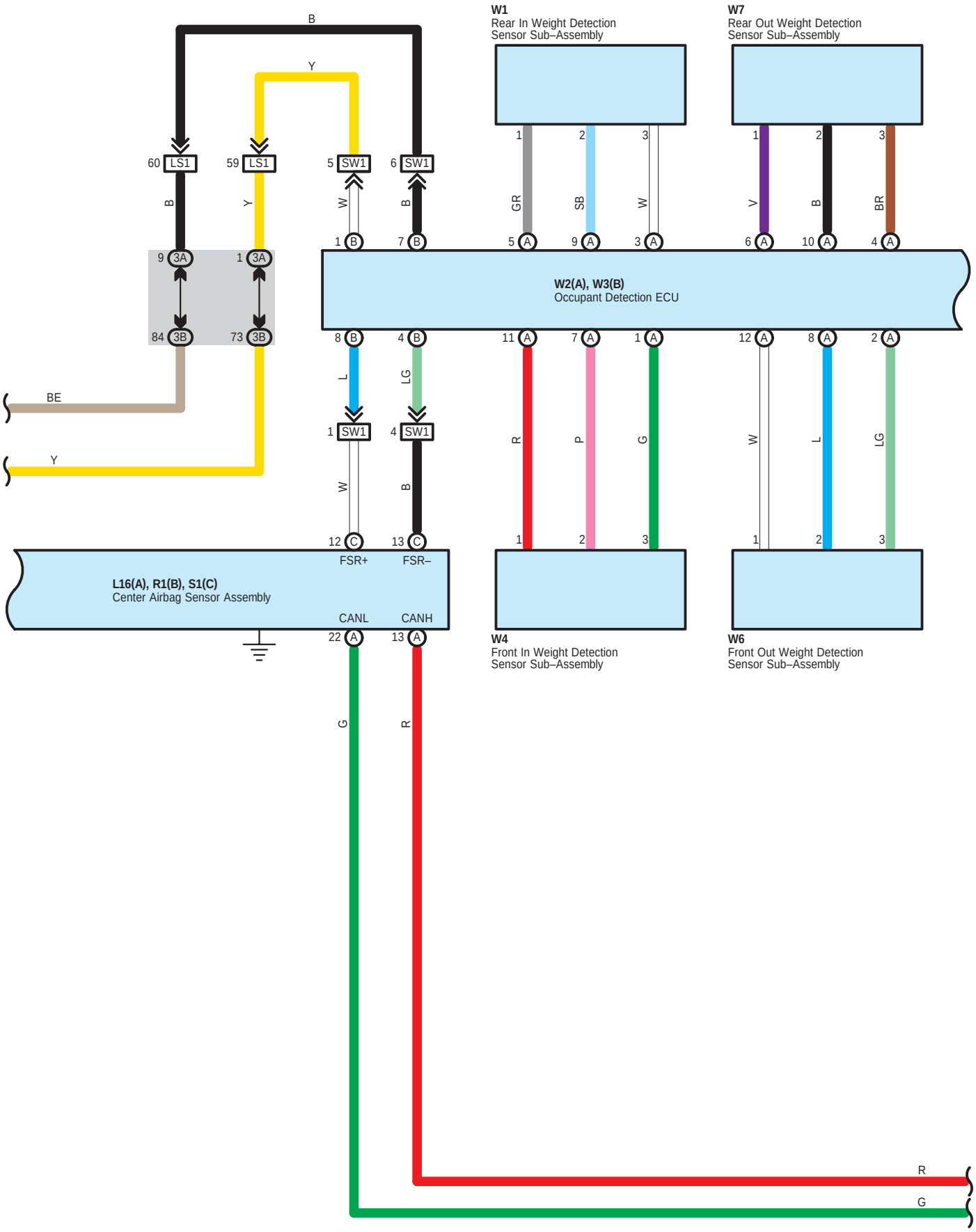

AL2
Gray
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12
AL5
White
1
1
LR1
White
1 2 3 4 5 6
17 18 19 20 21 22 23 24 25
41 42 43 44 45 46 47 48 49
7 8 9 10
26 27 28 29 30 31
50 51 52 53 54 55
11 12 13 14 15 16
32 33 34 35 36 37 38 39 40
56 57 58 59 60 61 62 63 64
16 15 14 13 12 11
40 39 38 37 36 35 34 33 32
64 63 62 61 60 59 58 57 56
10 9 8 7
31 30 29 28 27 26
55 54 53 52 51 50
6 5 4 3 2 1
25 24 23 22 21 20 19 18 17
49 48 47 46 45 44 43 42 41

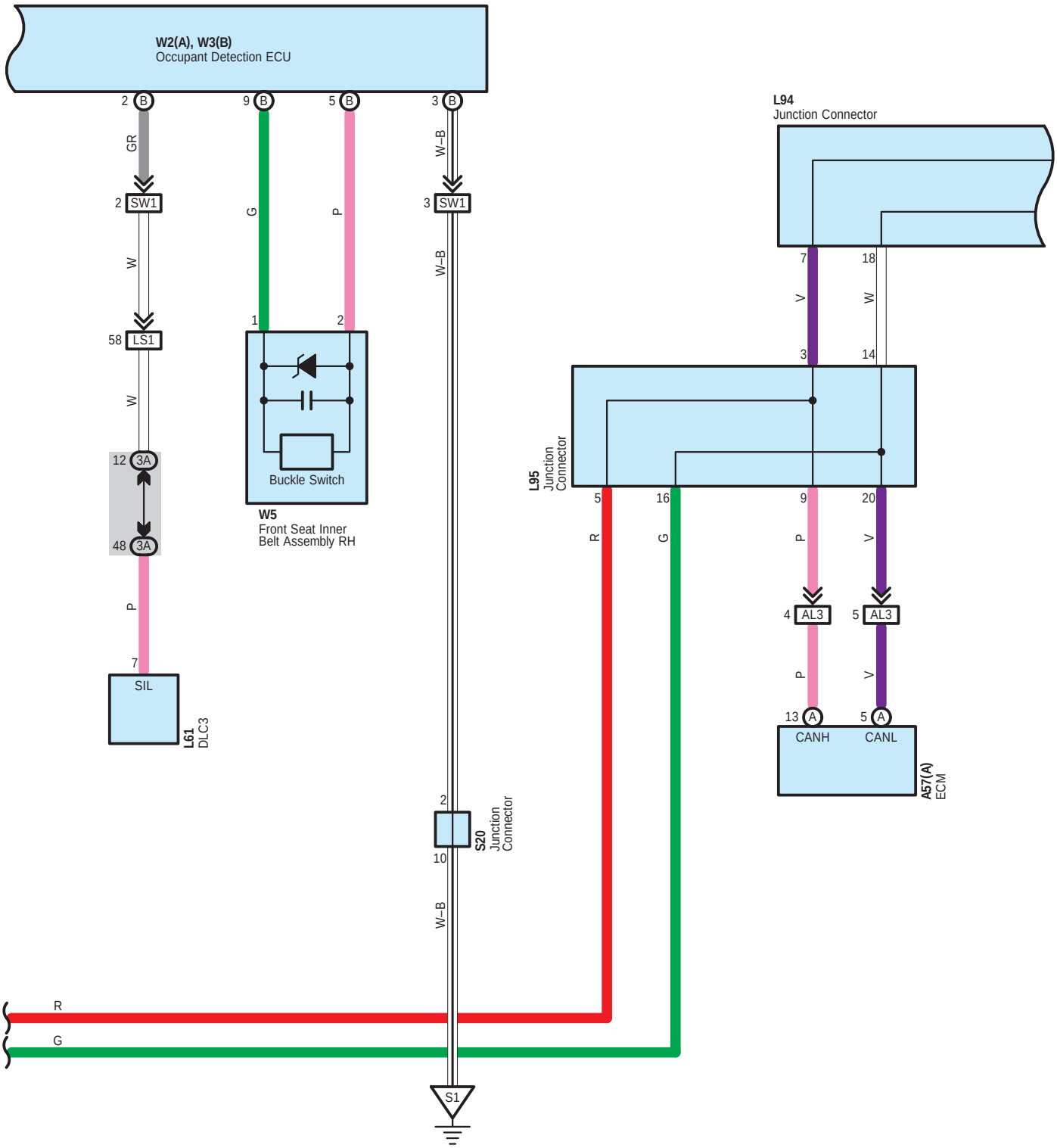

(IG)
10A
IGN
8 2A
B
GSW3
L19
Telematics
Transceiver
24
R
(*1)
38 2A
46 2A
R
(*1)
ABFS
L5(C)
Power Management
Control ECU
29 C
B
39 2A
45 2A
B
R7
Front Pretensioner LH
L+
L–
1
2
Y–B
Y
S6
Front Pretensioner RH
R+
R–
1
2
Y–B
Y
* 1 : w/ Safety Connect System
21 A
IG2
24 A
GSW3
14 A
GSW2
2 B
PL+
1 B
PL–
4 C
PR+
5 C
PR–
L16(A), R1(B), S1(C)
Center Airbag Sensor Assembly
E1
E2
D+
D–
D2+
D2–
25 A
26 A
5 A
6 A
8 A
7 A
W–B
W–B
Y–B
Y
Y–R
Y–G
25 2A
24 2A
6 2B
4 2B
W–B
W–B
3
8
L92
Junction Connector
L93
Junction Connector
7
3
W–B
W–B
L3
L1
1 A
2 A
4 A
3 A
D+
D–
D2+
D2–
L53(A), z7(B), z8(C)
Spiral Cable
Sub–Assembly
2 C
1 C
2 B
1 B
z8(C)
Driver Side Squib Circuit
z7(B)
Driver Side Squib 2nd
Step Circuit

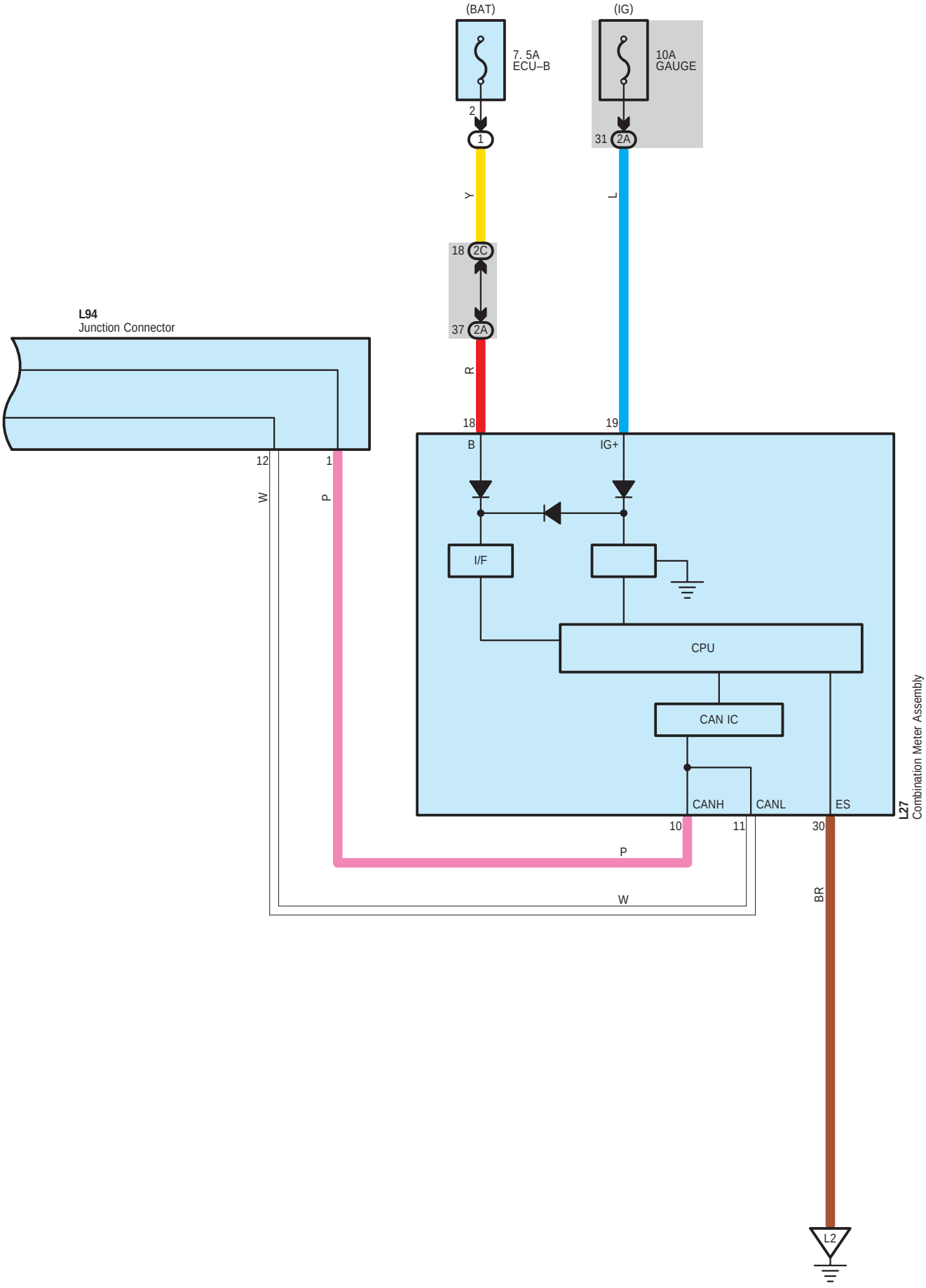

S11
Curtain Shield Airbag
Assembly Circuit RH
ICR+
ICR–
1
2
Y
Y–B
R14
Curtain Shield Airbag
Assembly Circuit LH
ICL+
ICL–
1
2
Y
Y–B
L29
Lower No. 1 Instrument
Panel Airbag Assembly
DK+
DK–
1
2
Y–B
Y
9 C
10 C
7 B
6 B
9 A
10 A
ICR+
ICR–
ICL+
ICL–
DK+
DK–
L16(A), R1(B), S1(C)
Center Airbag Sensor Assembly
P+
P–
P2+
P2–
4 A
3 A
1 A
2 A
Y–B
Y
Y–R
Y–G
1 LH1
2 LH1
3 LH1
4 LH1
Y–G
Y
Y–R
Y–G
1 B
2 B
1 A
2 A
P2+
P2–
P+
P–
H1(A), H2(B)
Front Passenger Side Squib Circuit


(IG)
10A
IGN
23 2A
L
2
L87
Junction
Connector
3
L
5 LI2
L
10 IM1
L
6
IG+
Dimmer Circuit
PASSENGER
AIR BAG OFF
PASSENGER
AIR BAG ON
P–AB
PAON
M2
Passenger Seat Belt
Warning Light Assembly
5
B
7 IM1
B
14 LI2
B
1 LL1
B
17 A
P–A/B
1
R
8 IM1
R
2 LI2
R
2 LL1
R
23 A
PAON
L16(A), R1(B), S1(C)
Center Airbag Sensor Assembly
LSP+
LSP–
LBE+
LBE–
+SL
–SL
+SR
–SR
14 B
13 B
11 B
12 B
30 A
28 A
29 A
27 A
R
G
G
V
W
B
W
B
4
3
2
1
1 AL6
2 AL6
1 AL9
2 AL9
LSP+
LSP–
LBE+
LBE–
Buckle Switch
Seat Position
Airbag Sensor
W
B
W
B
2
1
2
1
+SL
–SL
+SR
–SR
R4
Front Seat Inner Belt Assembly LH
A8
Front Airbag Sensor LH
A45
Front Airbag Sensor RH

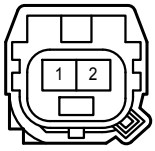

(BAT)
(IG)
7. 5A
ECU–B
10A
IGN
2
1
32
2A
Y
BE
18
2C
48
2A
Y
BE
Y
R3
Side Airbag Squib Circuit LH
SFL+
SFL–
1
2
Y–B
Y
9
B
10
B
SFL+
SFL–
S4
Side Airbag Squib Circuit RH
SFR+
SFR–
1
2
Y–B
Y
7
C
6
C
SFR+
SFR–
L16(A), R1(B), S1(C)
Center Airbag Sensor Assembly
BBR+
BBR–
8
C
11
C
G
R
4
3
BBR+
BBR–
BCR+
BCR–
S8
Front Side Airbag
Sensor Assembly RH
1
2
R
G
2
1
BCR+
BCR–
S9
Rear Side Airbag
Sensor Assembly RH
BBL+
BBL–
8
B
15
B
G
R
4
3
BBL+
BBL–
BCL+
BCL–
R9
Front Side Airbag
Sensor Assembly LH
1
2
R
G
2
1
BCL+
BCL–
R12
Rear Side Airbag
Sensor Assembly LH


W1
Rear In Weight Detection
Sensor Sub–Assembly
W7
Rear Out Weight Detection
Sensor Sub–Assembly
W2(A), W3(B)
Occupant Detection ECU
L16(A), R1(B), S1(C)
Center Airbag Sensor Assembly
W4
Front In Weight Detection
Sensor Sub–Assembly
W6
Front Out Weight Detection
Sensor Sub–Assembly
60 LS1
59 LS1
5 SW1
6 SW1
9 3A
1 3A
84 3B
73 3B
1 SW1
4 SW1
12 C
13 C
FSR+
FSR–
CANL
CANH
22 A
13 A
8 B
4 B
1 B
7 B
5 A
9 A
3 A
11 A
7 A
1 A
12 A
8 A
2 A
6 A
10 A
4 A
B
Y
BE
GR
SB
W
V
BR
L
LG
R
P
G
G
R


W2(A), W3(B)
Occupant Detection ECU
2 B
9 B
5 B
3 B
GR
G
P
W-B
2 SW1
3 SW1
W
W-B
58 LS1
W
12 3A
48 3A
P
7
SIL
L61
DLC3
1
2
Buckle Switch
W5
Front Seat Inner
Belt Assembly RH
L94
Junction Connector
7
18
V
W
3
14
L95
Junction
Connector
5
16
9
20
R
G
P
V
4 AL3
5 AL3
P
V
13 A
5 A
CANH
CANL
A57(A)
ECM
2
10
S20
Junction
Connector
W-B
R
G
S1

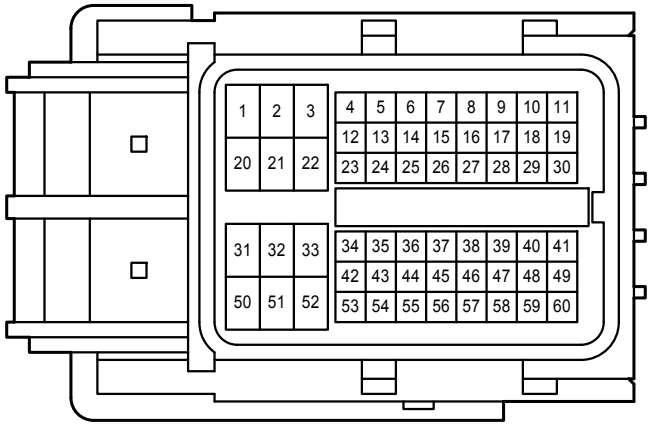

(BAT)
(IG)
7. 5A
ECU–B
10A
GAUGE
2
1
31
2A
Y
L
18
2C
37
2A
R
L94
Junction Connector
18
19
B
IG+
12
1
W
P
I/F
CPU
CAN IC
CANH
CANL
ES
L27
Combination Meter Assembly
10
11
30
P
W
BR
L2

A 8
Yellow

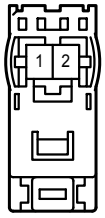


A 45
Yellow

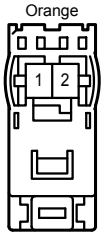
A 57
Black



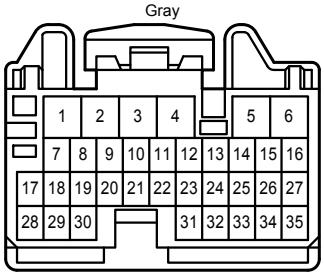
H 1
Black



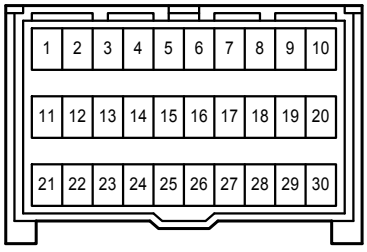
H 2
Orange



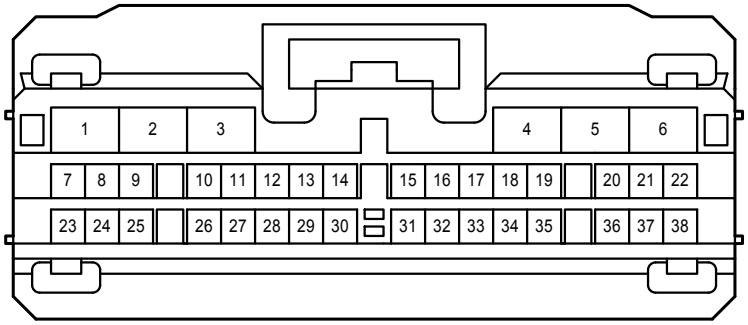
L 5
Gray



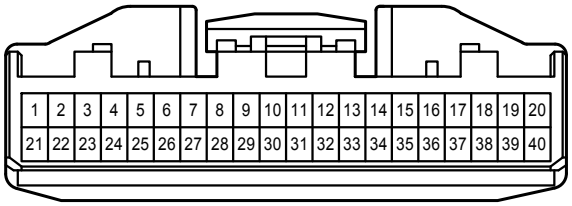
L 16
Yellow



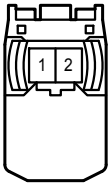
L 19
White



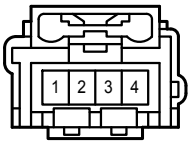
L 27
White



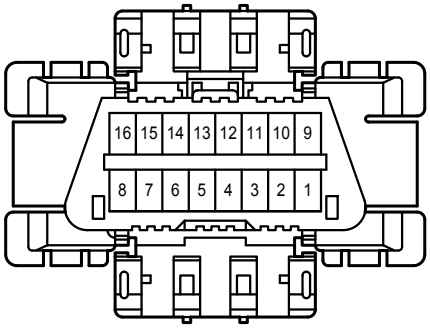
L 29
Black



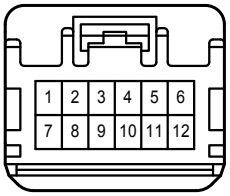
L 53
Yellow



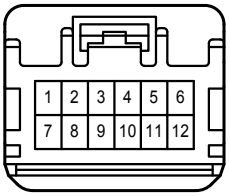
L 61
White



L 87
Black



L 92
White



L 93
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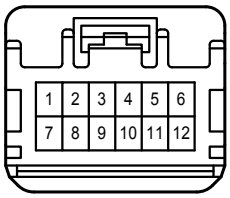

L 94
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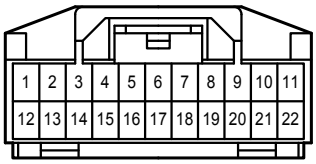

L 95
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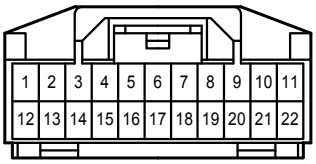

M 2
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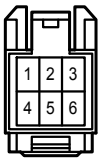
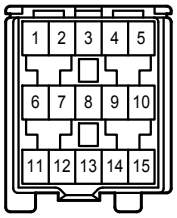


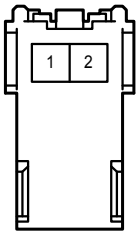
R 1
Yellow



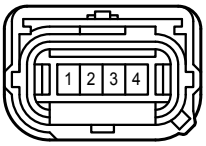
R 3
Yellow

R 4
White

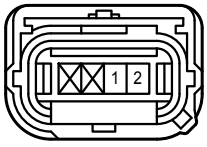
R 7
Yellow



R 9
Yellow



R 12
Yellow



R 14
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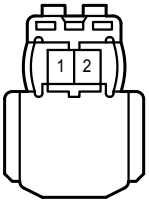
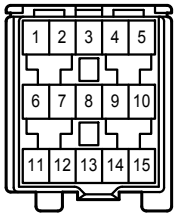
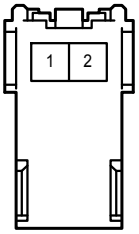


S 1
Yellow

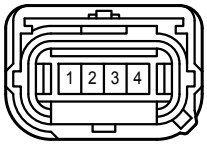


S 4
Yellow

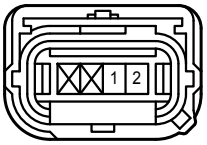
S 6
Yellow



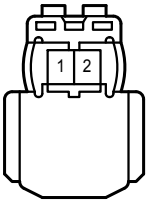
S 8
Yellow



S 9
Yellow



S 11
Black



S 20
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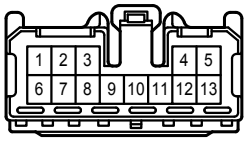
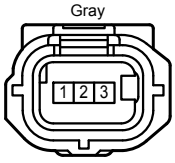


W 1
Gray



W 2
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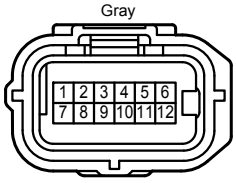

W 3
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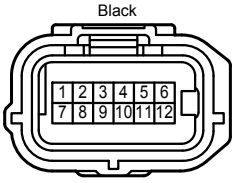

W 4
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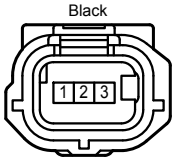
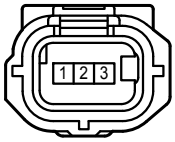
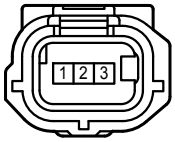


W 5
Gray

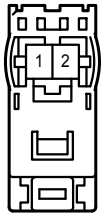
W 6
Gray



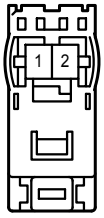
W 7
Black



z 7
Black



z 8
Orange



2A
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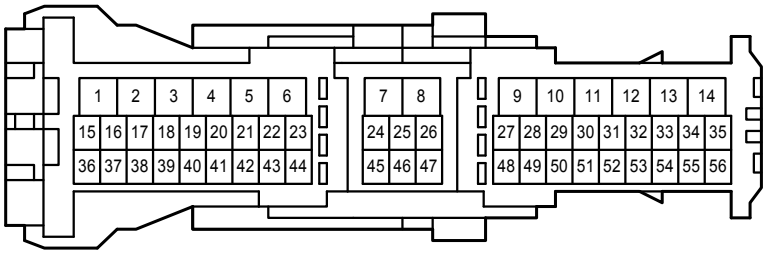

2B
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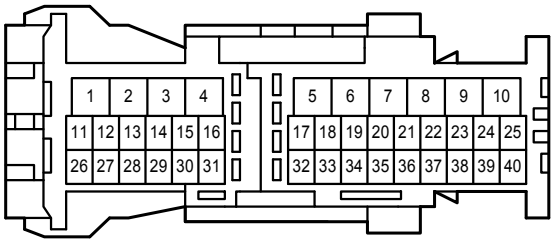

2C
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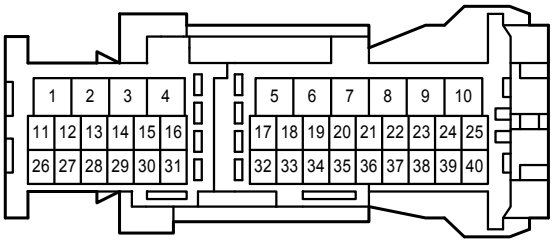

3A
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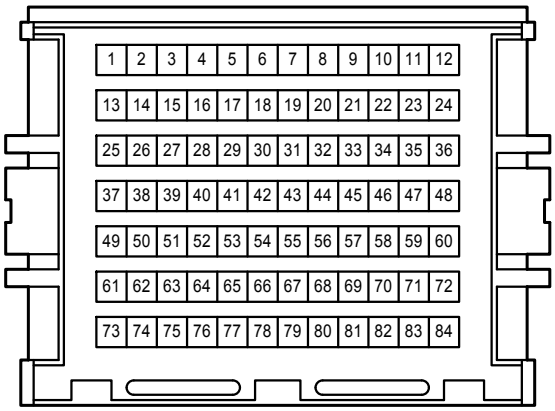

3B
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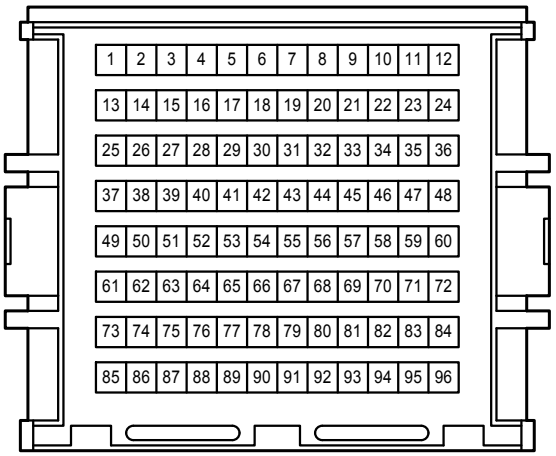

AL3
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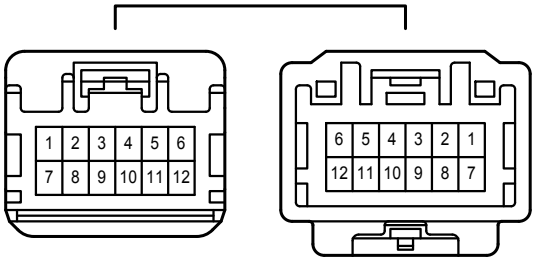
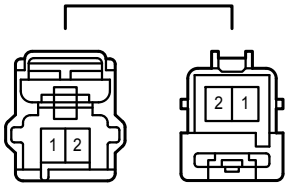
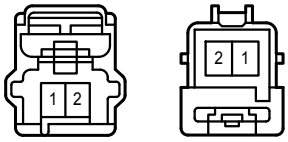


AL6
Yellow



AL9
Yellow



IM1
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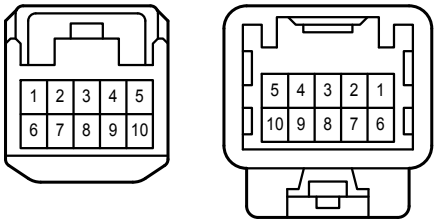
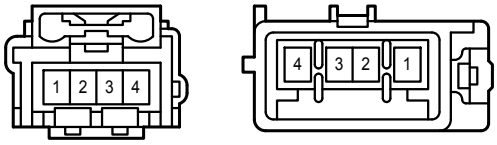


LH1
Yellow



LI2
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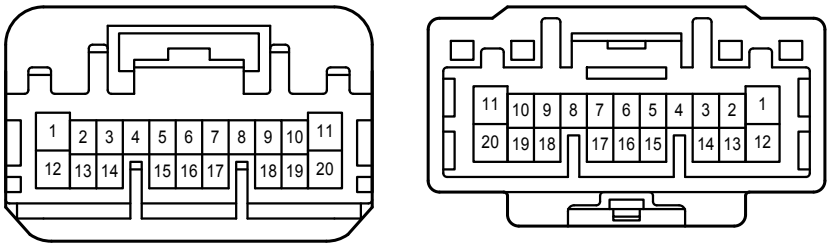

LL1
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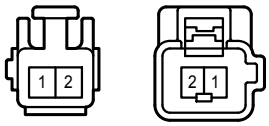

LS1
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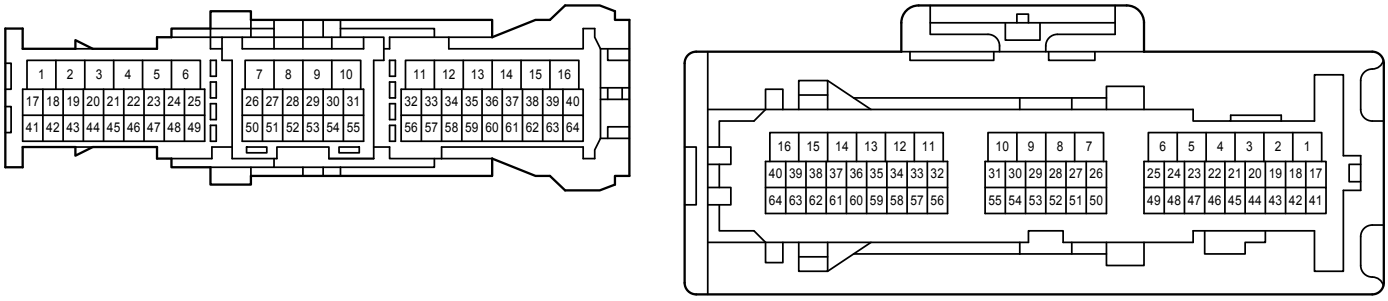

SW1
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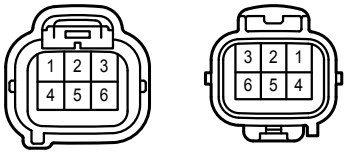
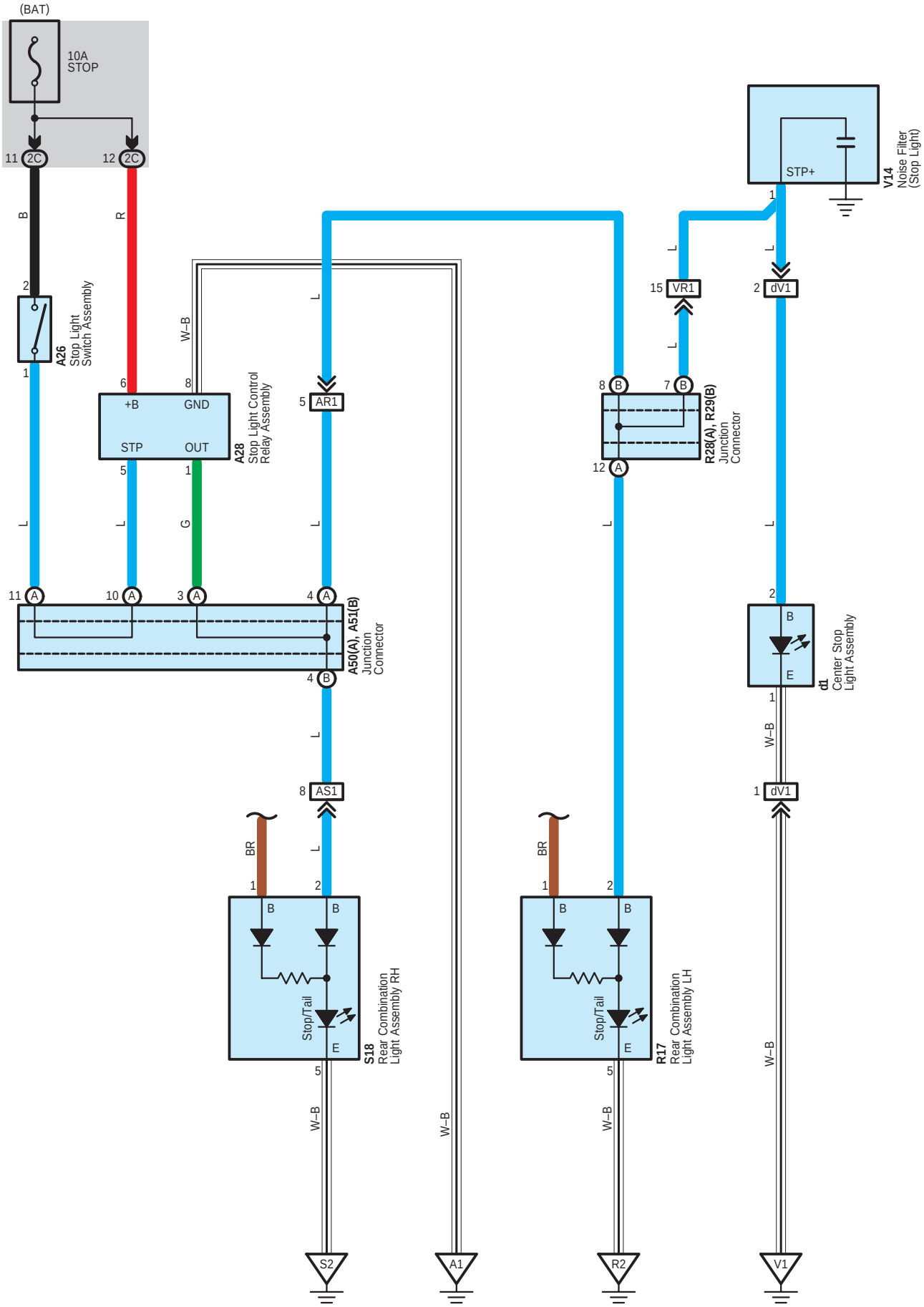
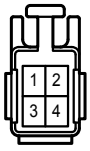
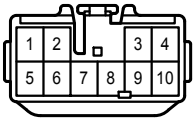



(BAT)
10A
STOP
11 2C
12 2C
B
R
2
A26
Stop Light
Switch Assembly
1
6
8
+B
GND
STP
OUT
A28
Stop Light Control
Relay Assembly
5
1
W–B
L
G
5 AR1
11 A
10 A
3 A
4 A
A50(A), A51(B)
Junction
Connector
4 B
8 AS1
BR
1
2
B
B
Stop/Tail
E
S18
Rear Combination
Light Assembly RH
5
W–B
S2
A1
8 B
7 B
12 A
R28(A), R29(B)
Junction
Connector
15 VR1
STP+
1
V14
Noise Filter
(Stop Light)
2 dV1
2
B
E
d1
Center Stop
Light Assembly
1
dV1
R17
Rear Combination
Light Assembly LH
R2
V1

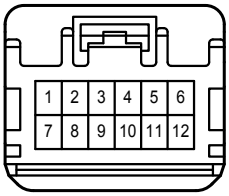
A 26
White



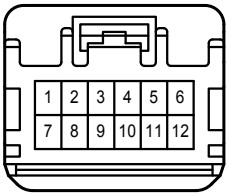
A 28
Black



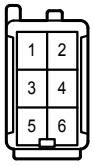
A 50
White



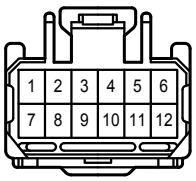
A 51
White



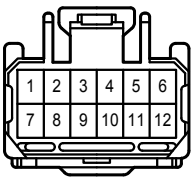
R 17
White



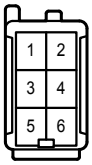
R 28
White



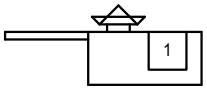
R 29
White



S 18
White

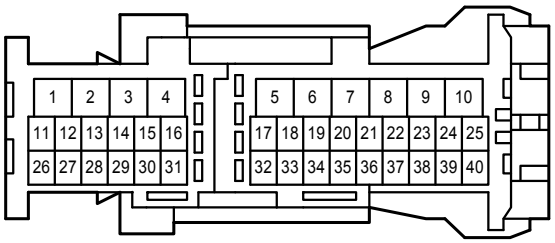


V 14
Black



d 1
White

2C
White



AR1
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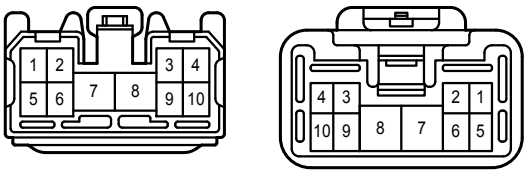
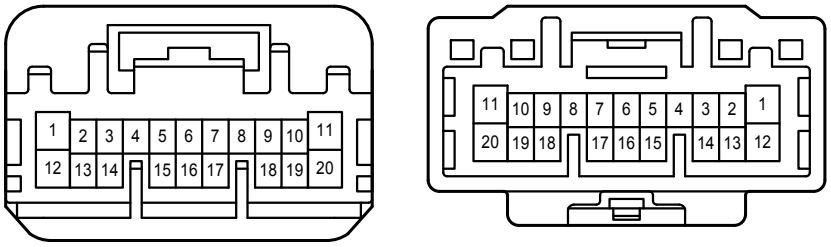
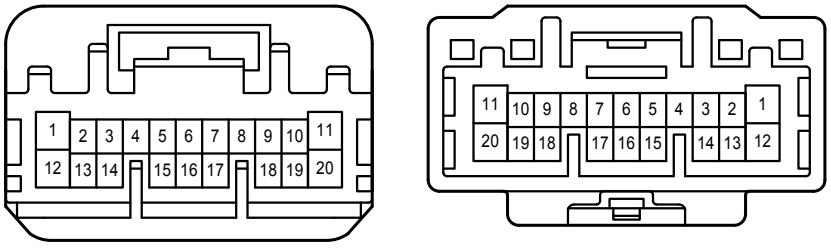


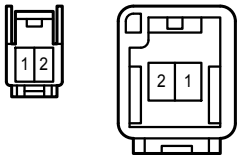
AS1
White

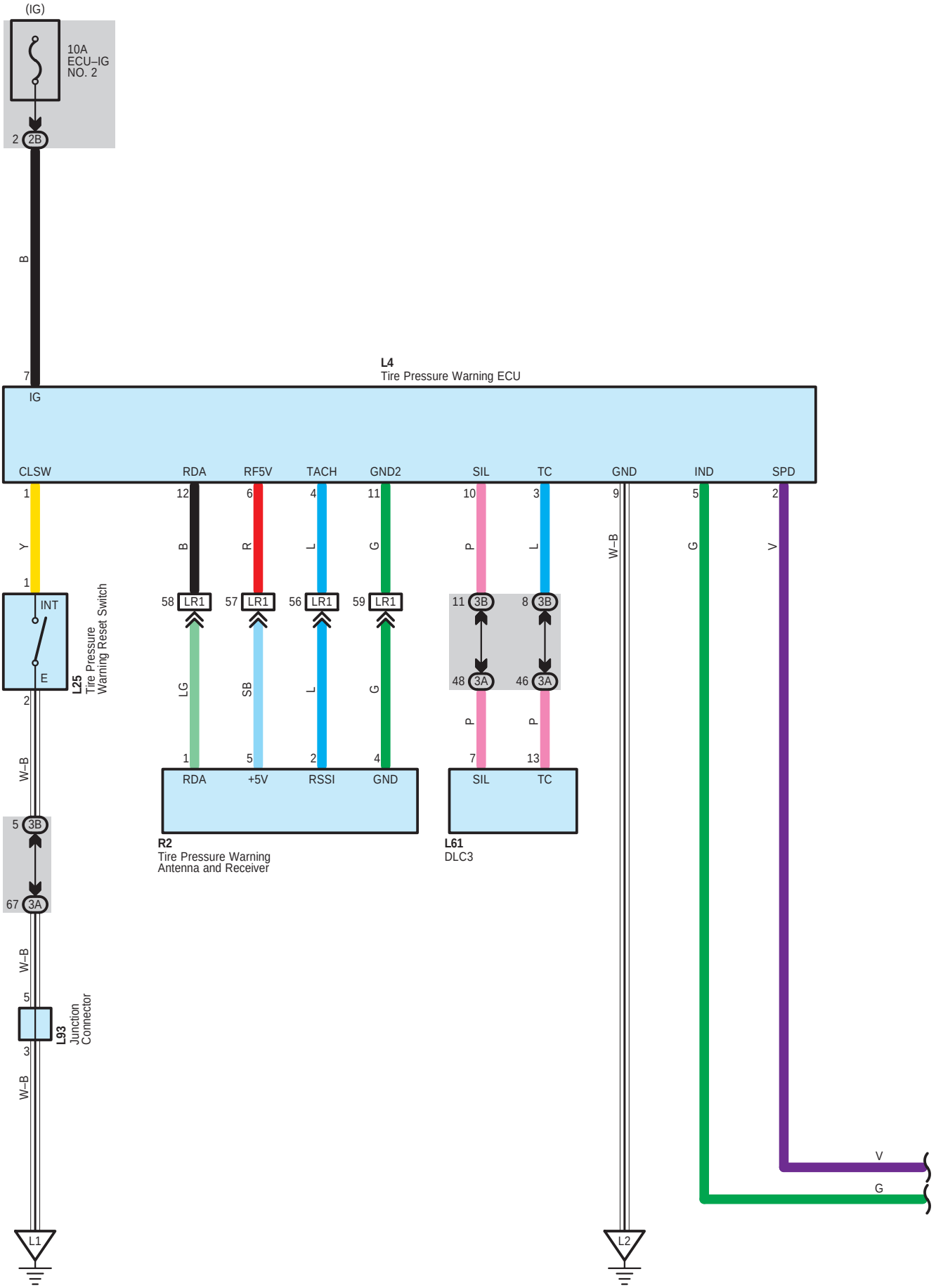


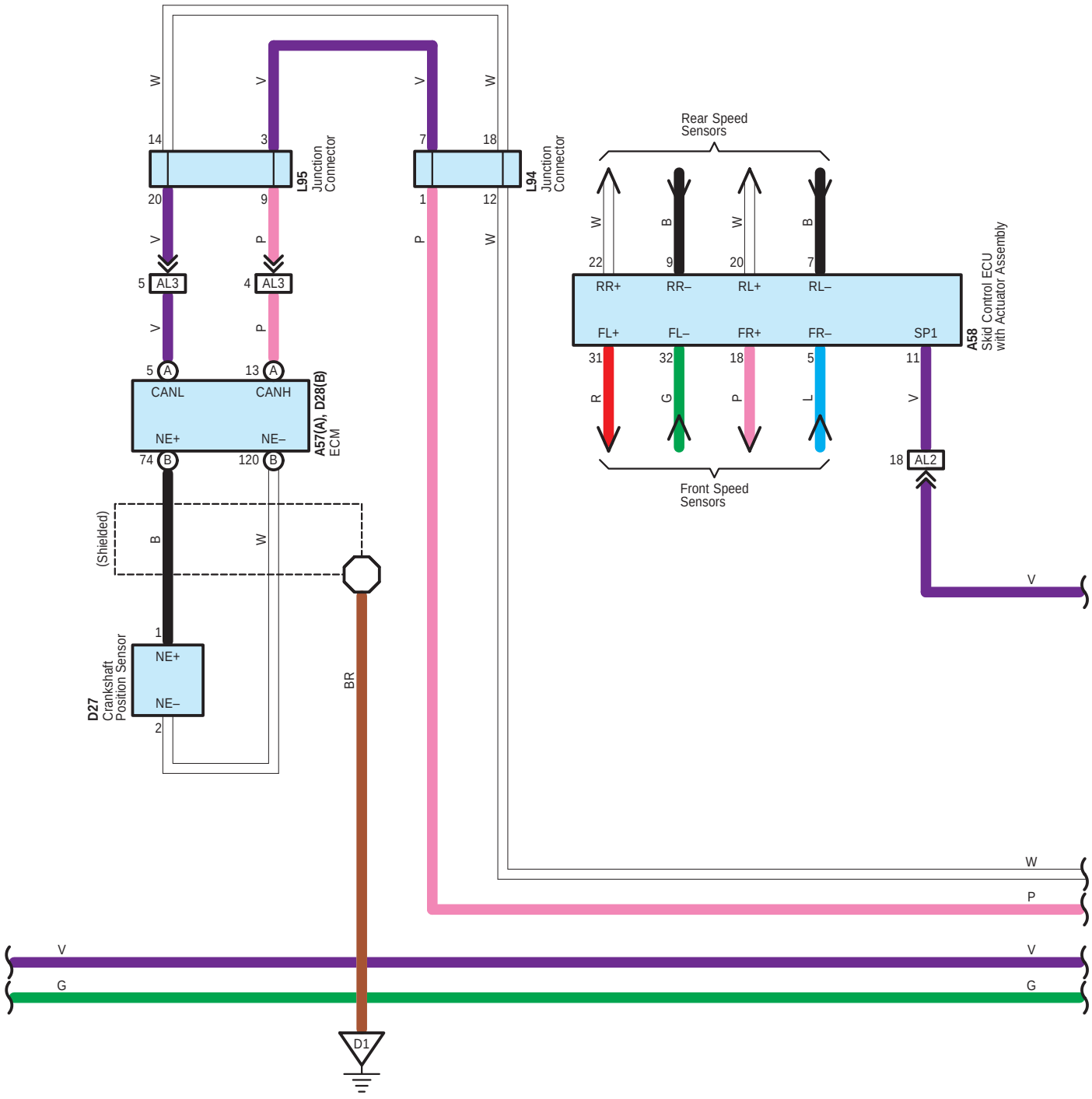
VR1
White

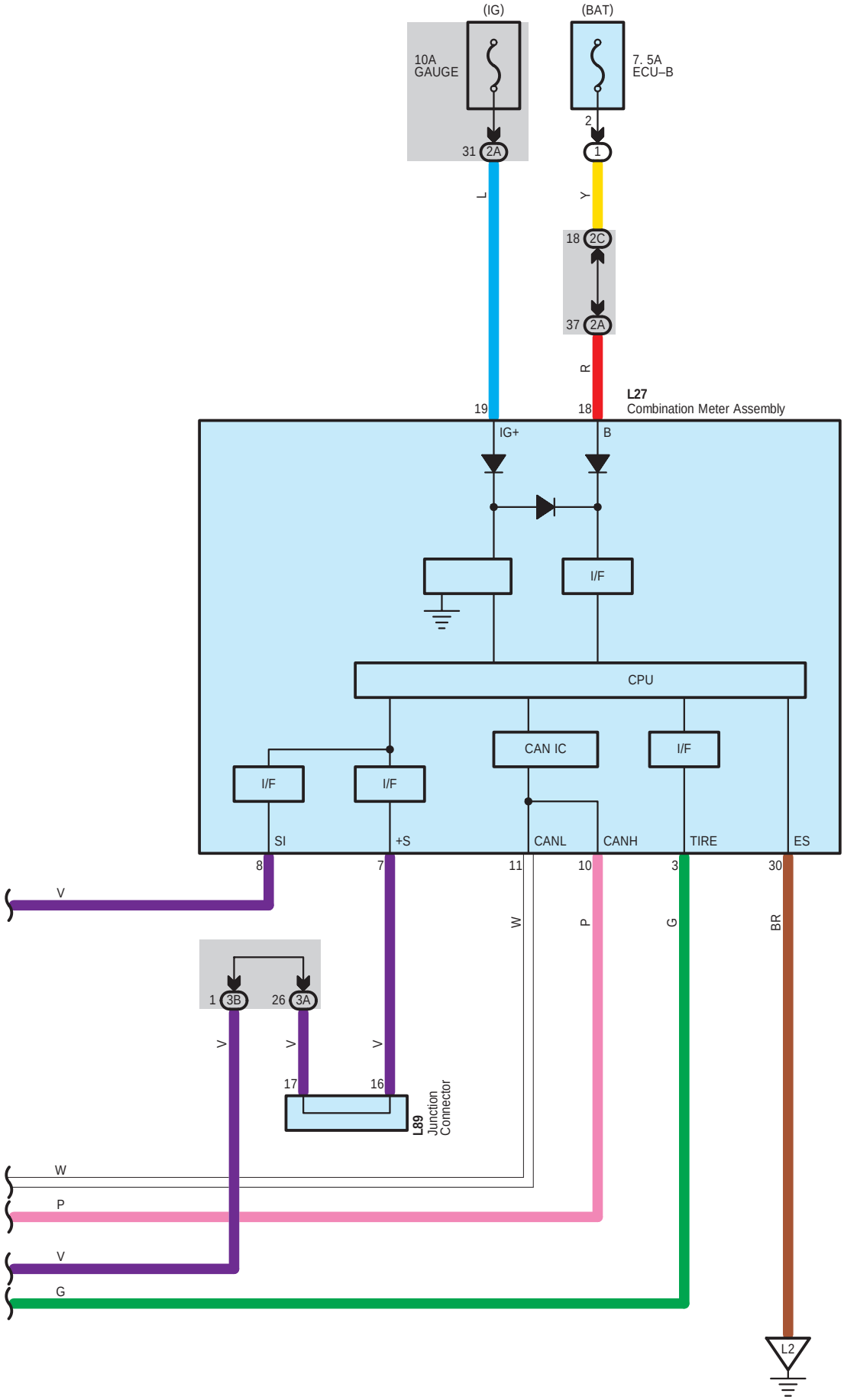


dV1
Gray Black

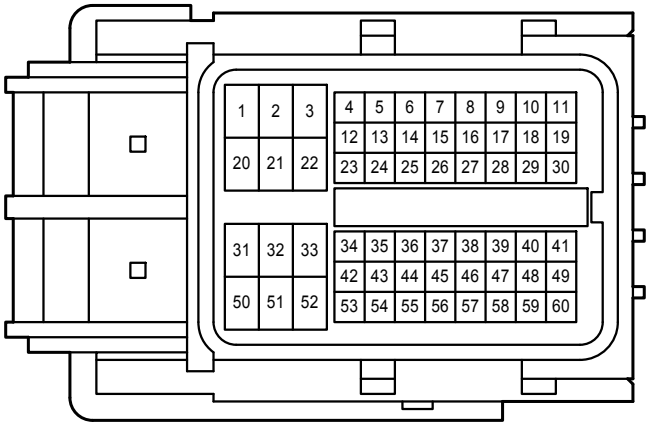



(IG)
10A
ECU–IG
NO. 2
2
2B
B
7
IG
L4
Tire Pressure Warning ECU
CLSW
RDA
RF5V
TACH
GND2
SIL
TC
GND
IND
SPD
1
Y
1
INT
E
L25
Tire Pressure
Warning Reset Switch
2
W–B
5
3B
67
3A
W–B
5
L93
Junction
Connector
3
W–B
L1
12
B
58
LR1
LG
1
RDA
6
R
57
LR1
SB
5
+5V
4
L
56
LR1
L
2
RSSI
11
G
59
LR1
G
4
GND
R2
Tire Pressure Warning
Antenna and Receiver
10
P
11
3B
48
3A
P
7
SIL
3
L
8
3B
46
3A
P
13
TC
L61
DLC3
9
W–B
L2
5
G
2
V
V
G

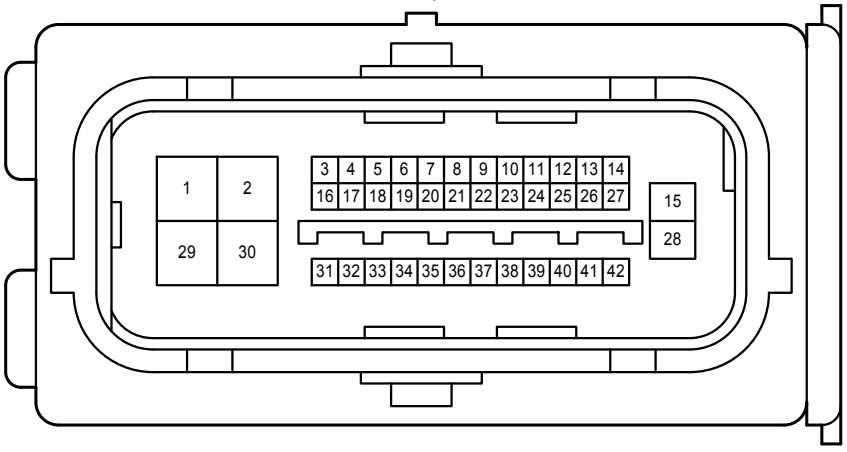

W
V
V
W
14
3
7
18
L95
Junction
Connector
L94
Junction
Connector
20
9
1
12
V
P
P
W
5
AL3
4
AL3
V
P
5
A
13
A
CANL
CANH
NE+
NE–
74
B
120
B
A57(A), D28(B)
ECM
(Shielded)
B
W
1
NE+
NE–
2
D27
Crankshaft
Position Sensor
BR
D1
Rear Speed
Sensors
W
B
W
B
22
9
20
7
RR+
RR–
RL+
RL–
FL+
FL–
FR+
FR–
SP1
A58
Skid Control ECU
with Actuator Assembly
31
32
18
5
11
R
G
P
L
V
18
AL2
Front Speed
Sensors
V
W
P
V
V
G
G


(IG)
(BAT)
10A
GAUGE
7. 5A
ECU–B
31 2A
2
1
L
Y
18 2C
37 2A
R
L27
Combination Meter Assembly
19
18
IG+
B
I/F
CPU
CAN IC
I/F
I/F
I/F
SI
+S
CANL
CANH
TIRE
ES
8
7
11
10
3
30
V
W
P
G
BR
1 3B
26 3A
V
V
V
17
16
L89
Junction
Connector
W
P
V
G
L2

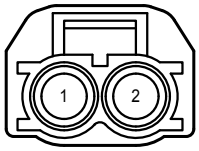
A 57
Black



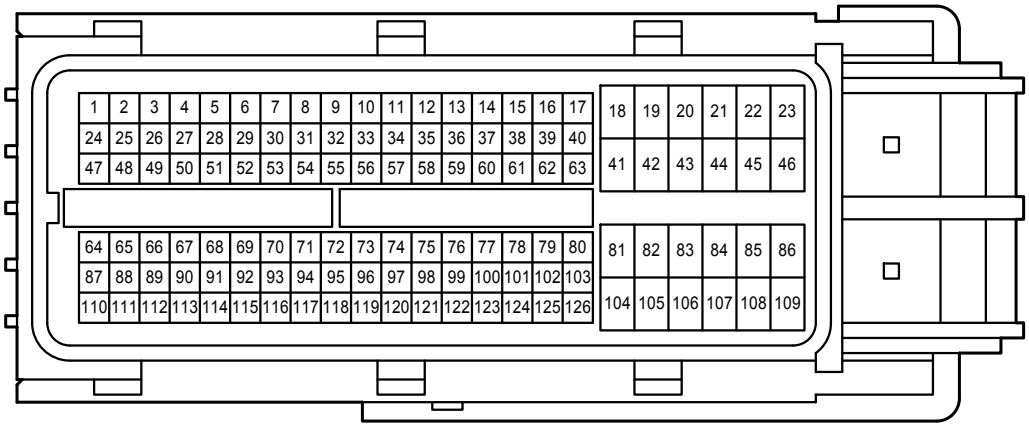
A 58
Gray



D 27
Black



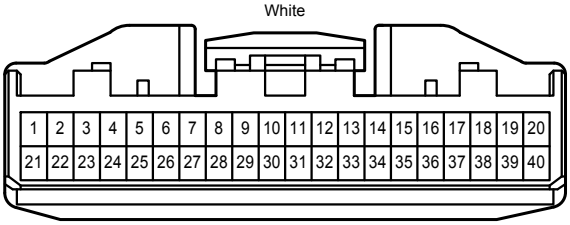
D 28
Black



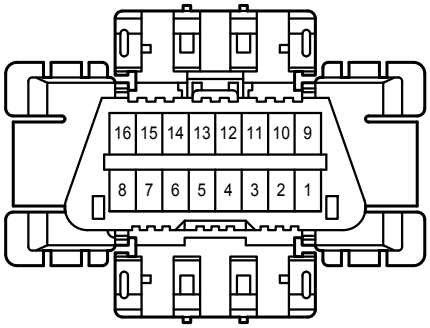
L 4
Black

L 25
White

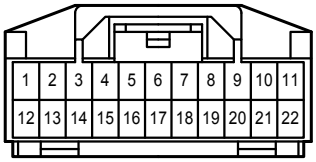
L 27
White



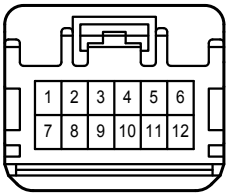
L 61
White



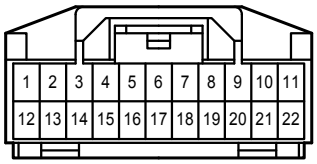
L 89
Black



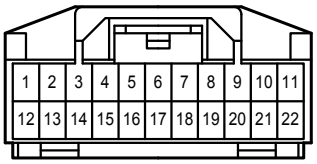
L 93
White



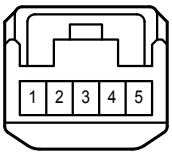
L 94
White



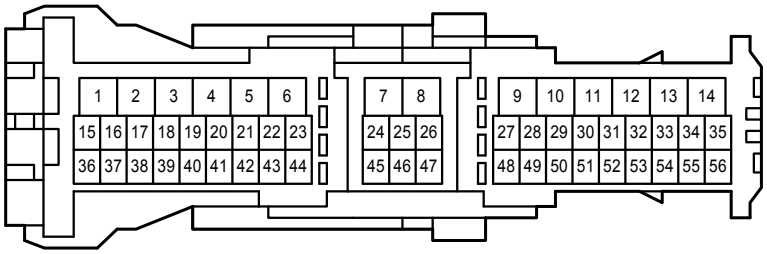
L 95
White



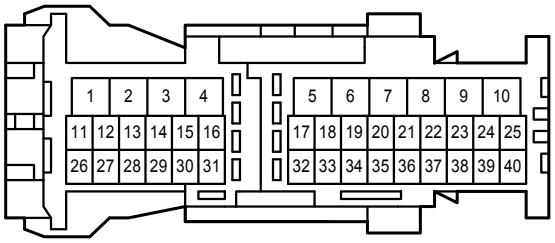
R 2
White



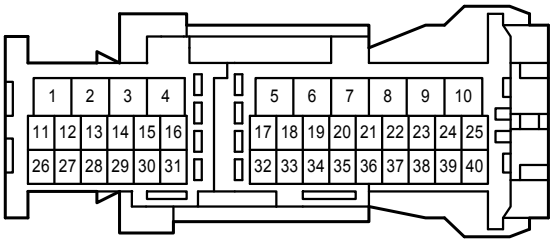
2A
White



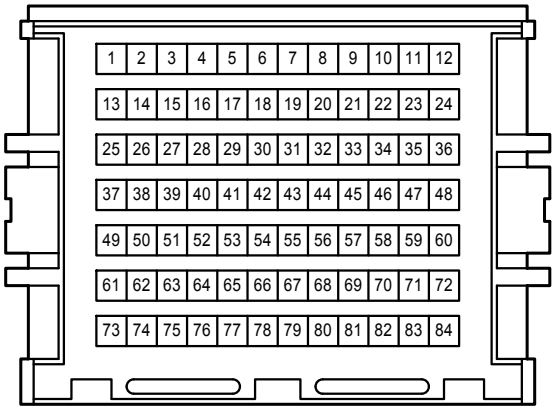
2B
White



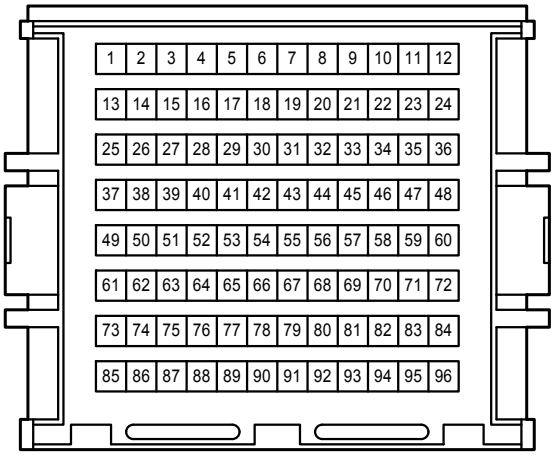
2C
White



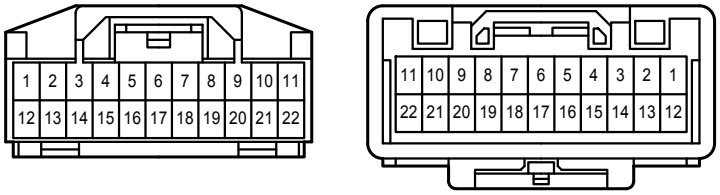
3A
White



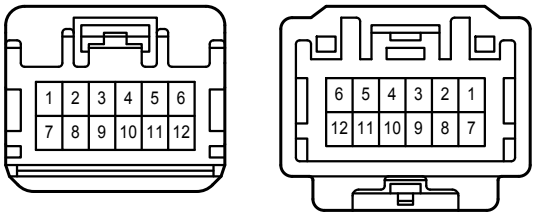
3B
White



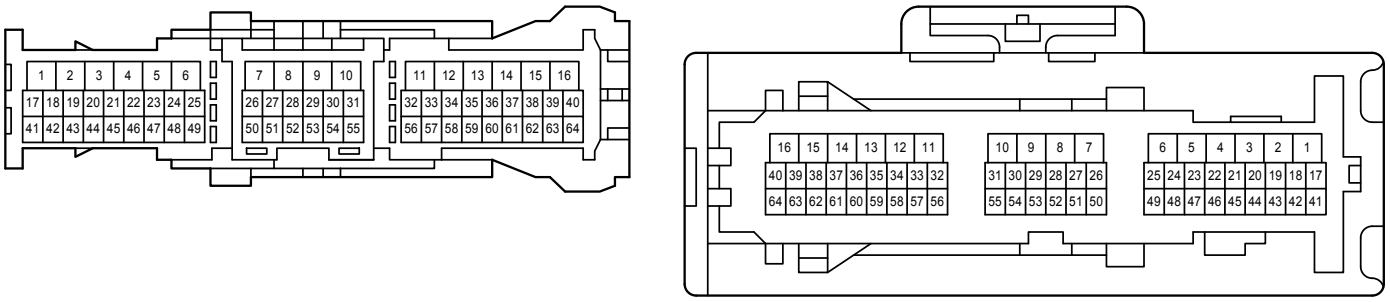
AL2
Gray

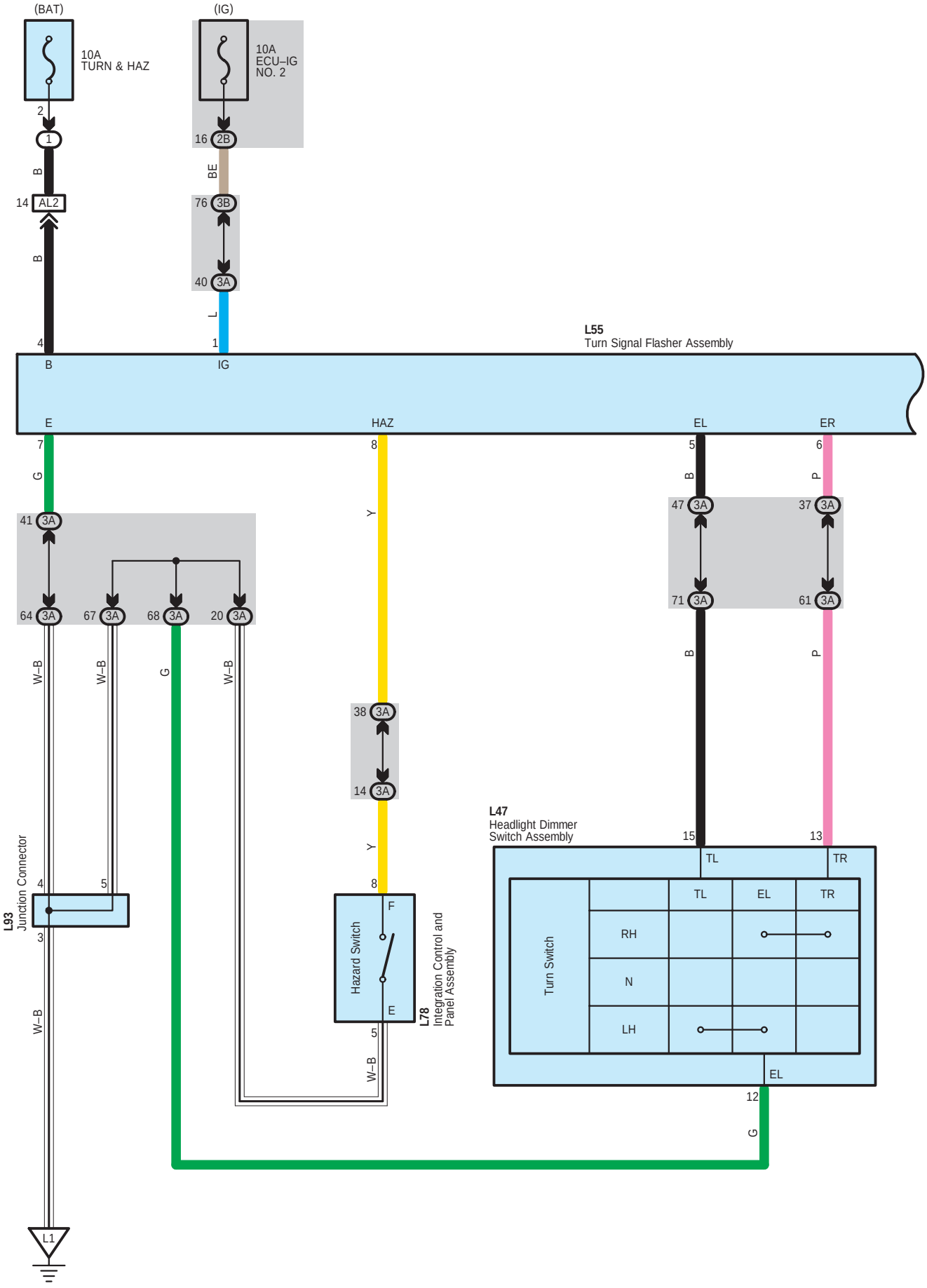


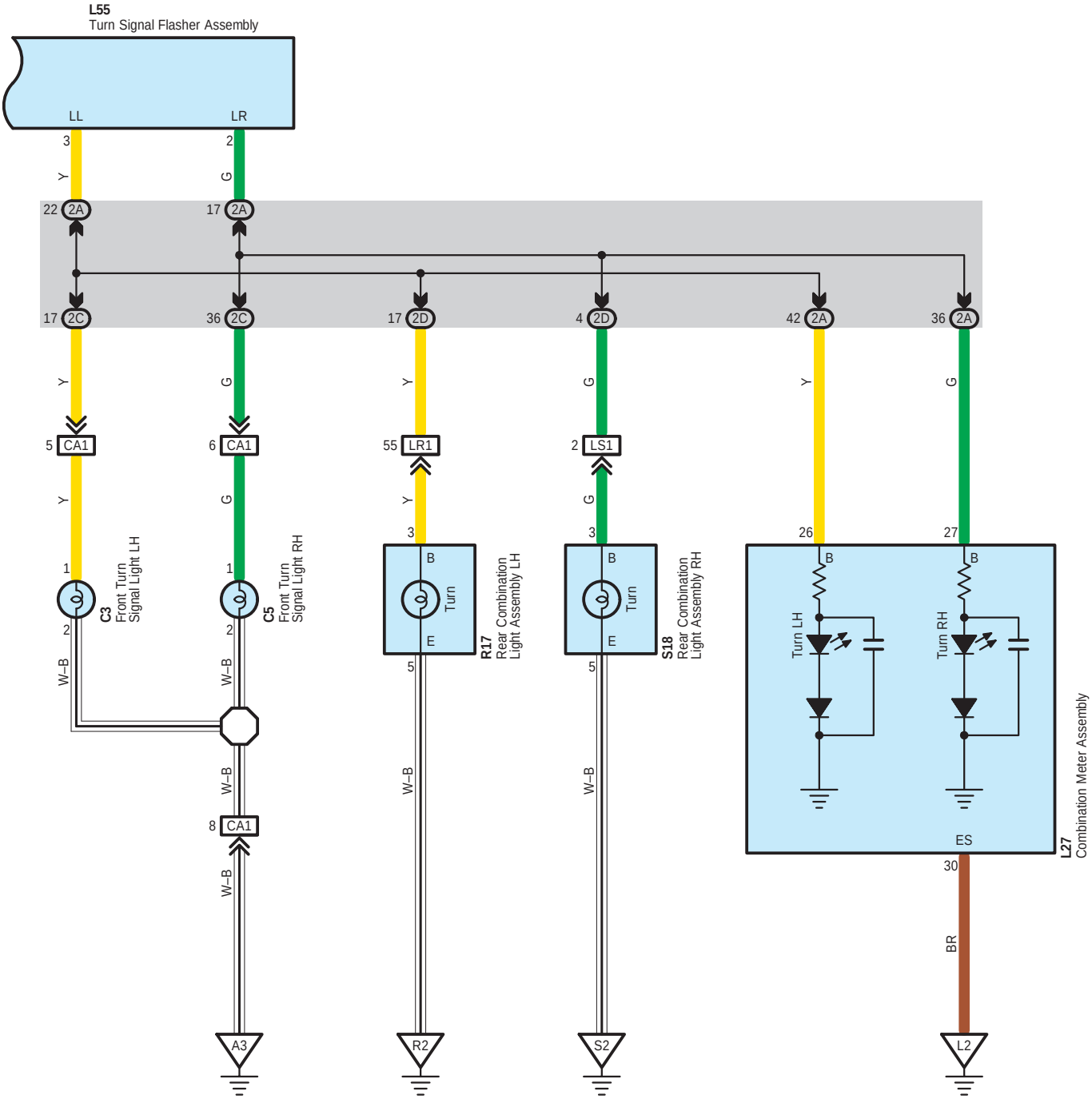
AL3
White



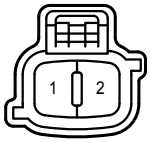
LR1
White



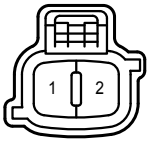

(BAT)
(IG)
10A
TURN & HAZ
10A
ECU–IG
NO. 2
2
1
16 2B
B
BE
14 AL2
76 3B
B
40 3A
L
4
1
B
IG
L55
Turn Signal Flasher Assembly
E
HAZ
EL
ER
7
8
5
6
G
Y
B
P
41 3A
47 3A
37 3A
64 3A
67 3A
68 3A
20 3A
71 3A
61 3A
W–B
W–B
G
W–B
B
P
38 3A
14 3A
Y
15
13
L47
Headlight Dimmer
Switch Assembly
TL
TR
4
5
8
F
TL
EL
TR
L93
Junction Connector
Hazard Switch
L78
Integration Control and
Panel Assembly
Turn Switch
RH
N
LH
3
E
5
EL
12
W–B
W–B
G
L1


L55
Turn Signal Flasher Assembly
LL
LR
3
2
Y
G
22 2A
17 2A
17 2C
36 2C
17 2D
4 2D
42 2A
36 2A
5 CA1
6 CA1
55 LR1
2 LS1
1
2
C3
Front Turn Signal Light LH
C5
Front Turn Signal Light RH
W–B
8 CA1
A3
B
Turn
E
R17
Rear Combination Light Assembly LH
S18
Rear Combination Light Assembly RH
R2
S2
26
27
Turn LH
Turn RH
ES
L27
Combination Meter Assembly
30
BR
L2

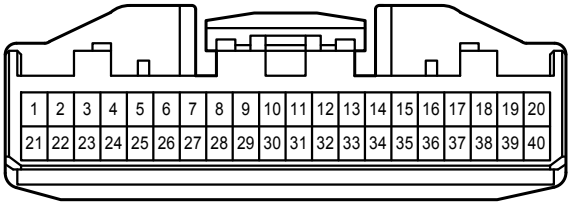
C 3
Gray



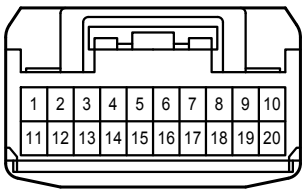
C 5
Gray



L 27
White

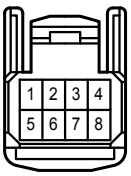


L 47
White

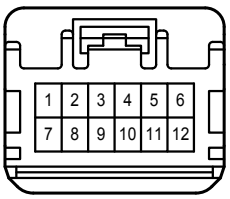


L 55
Blue

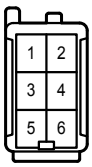
L 78
Black



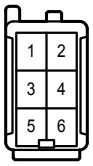
L 93
White



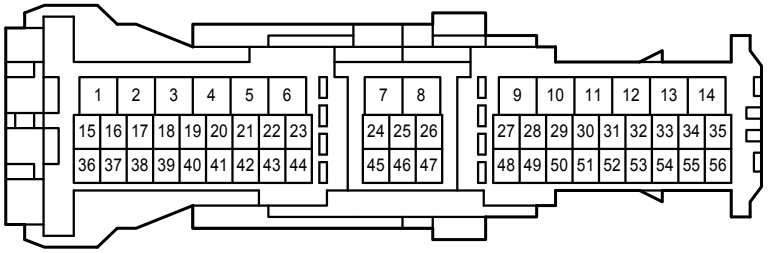
R 17
White



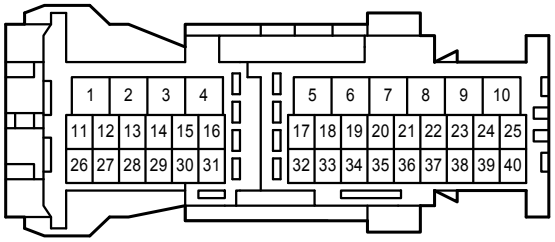
S 18
White



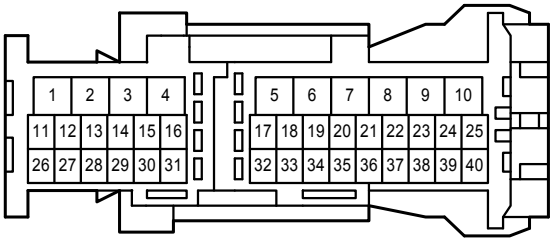
2A
White



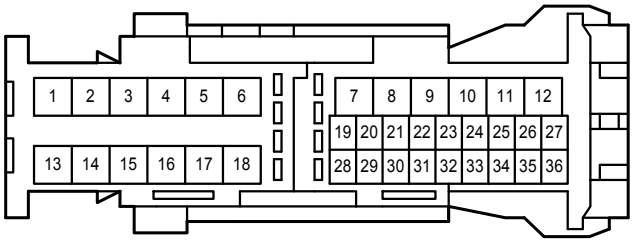
2B
White



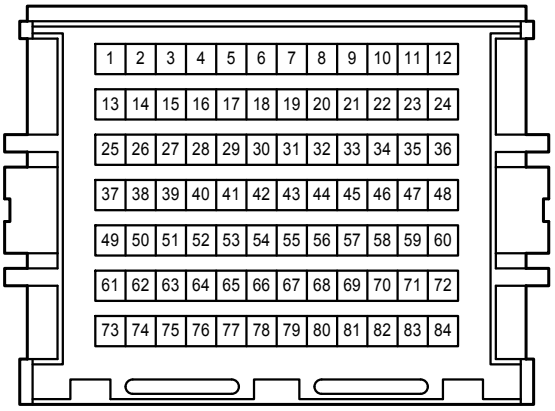
2C
White



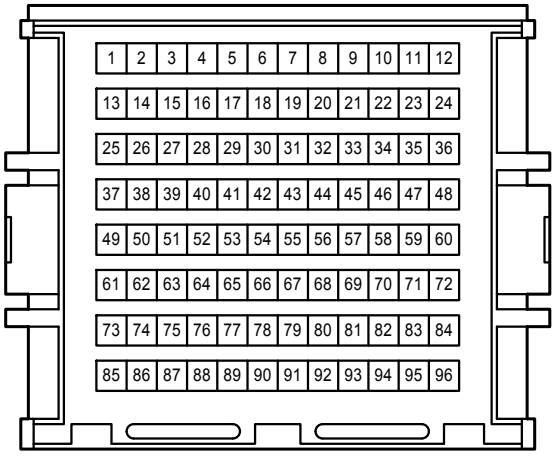
2D
White



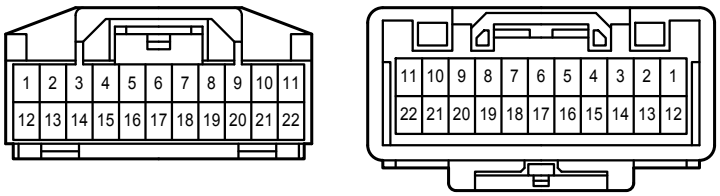
3A
White



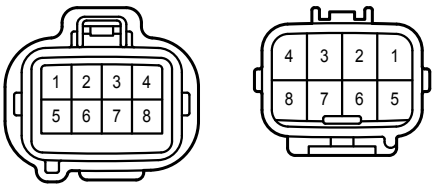
3B
White



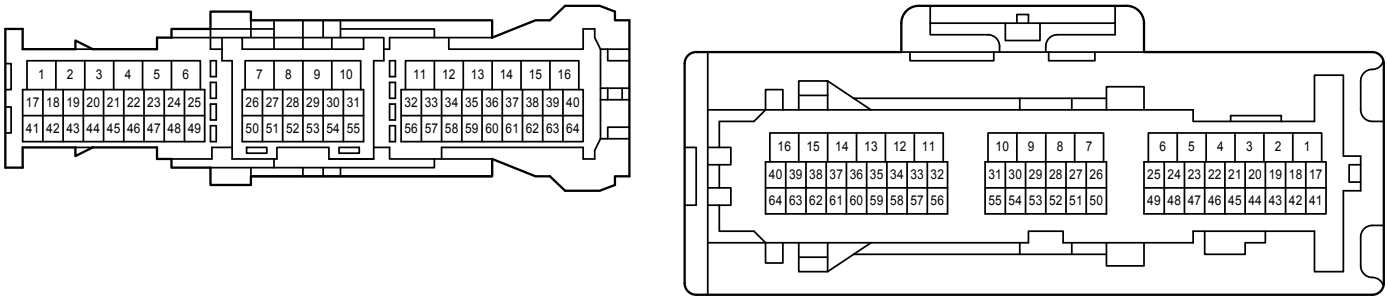
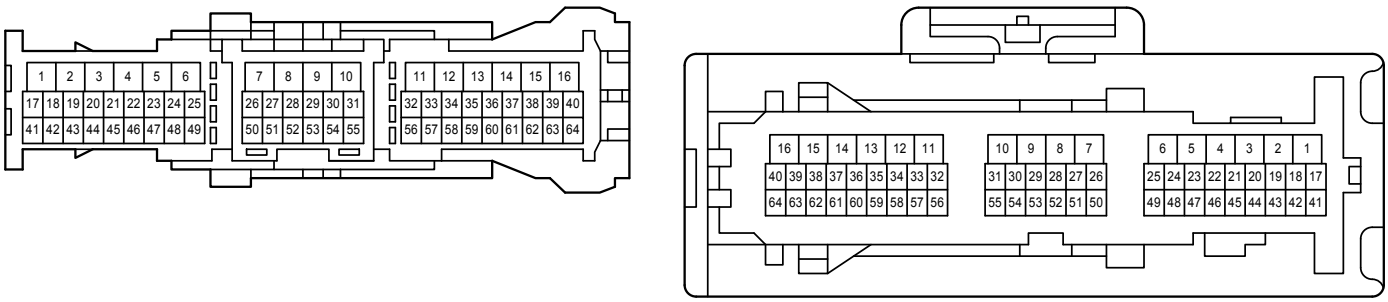
AL2
Gray



CA1
Black



LR1
White



LS1
White