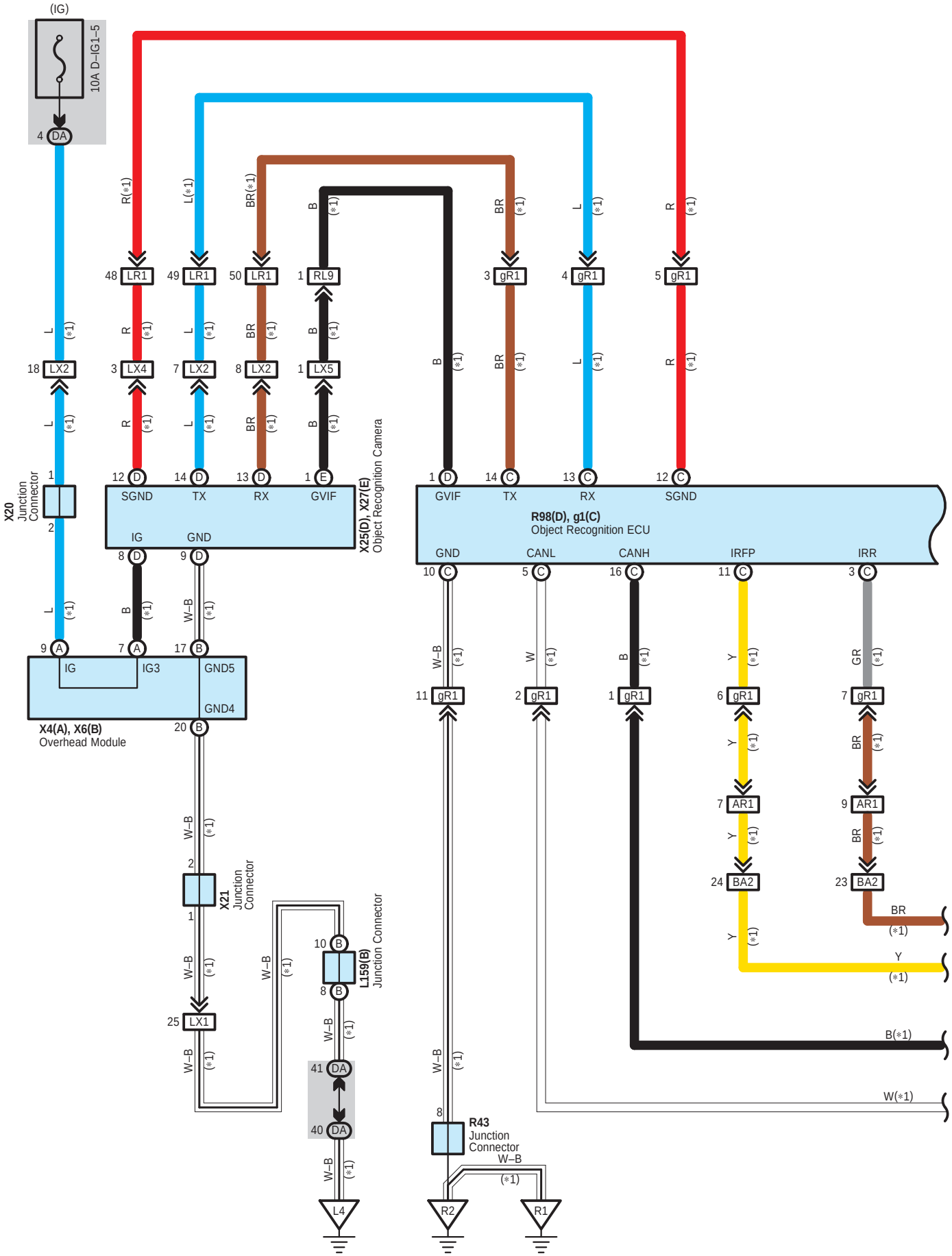
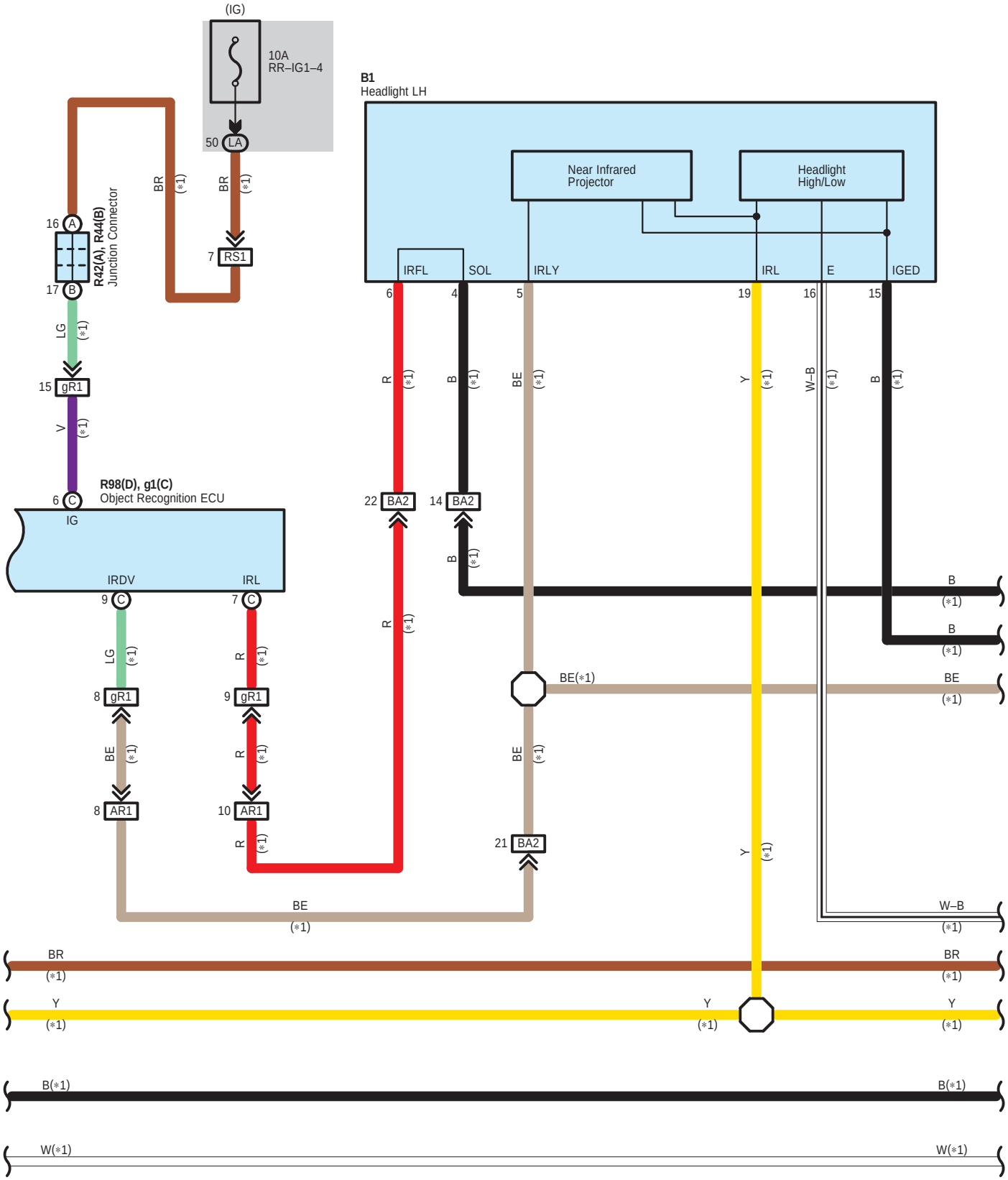
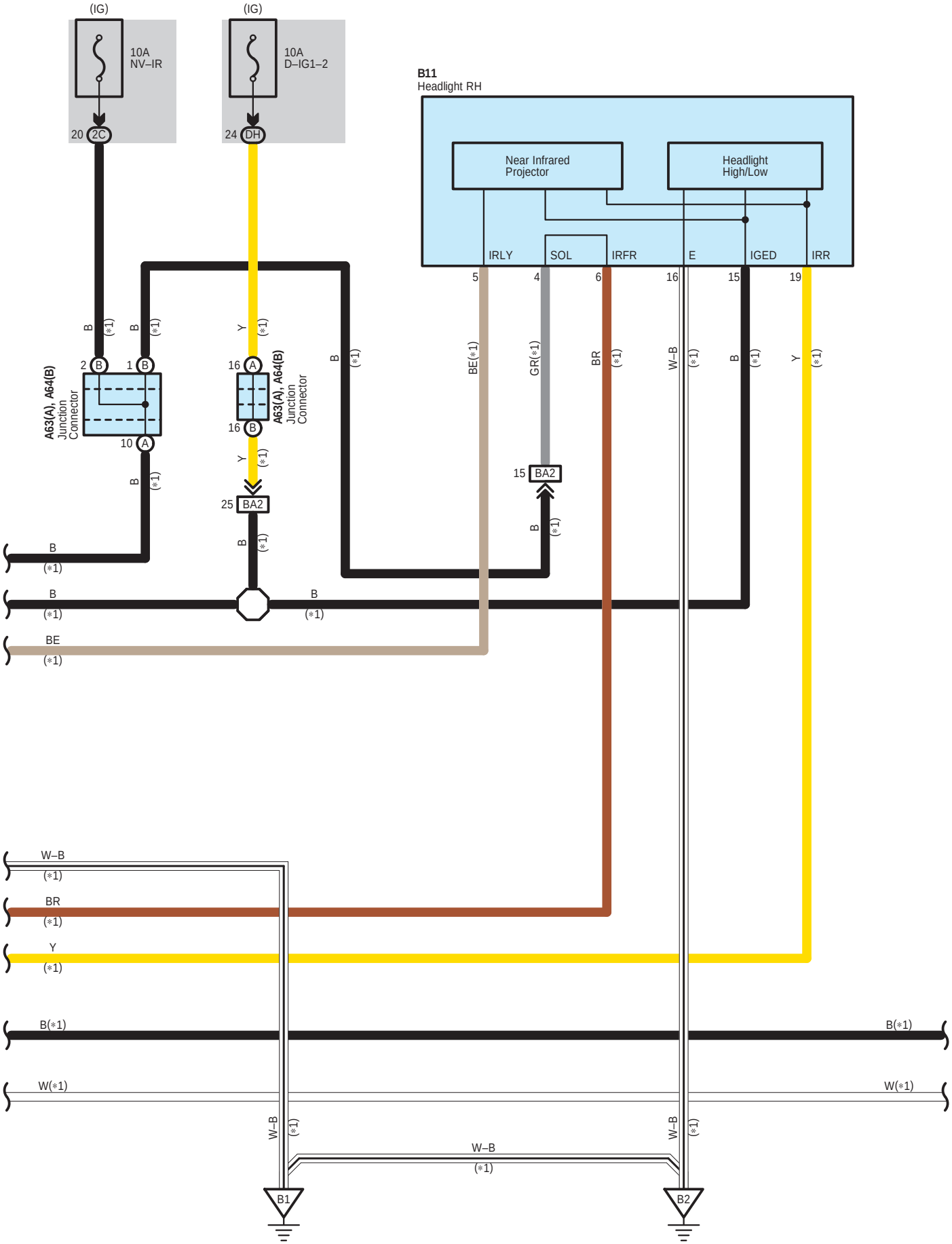
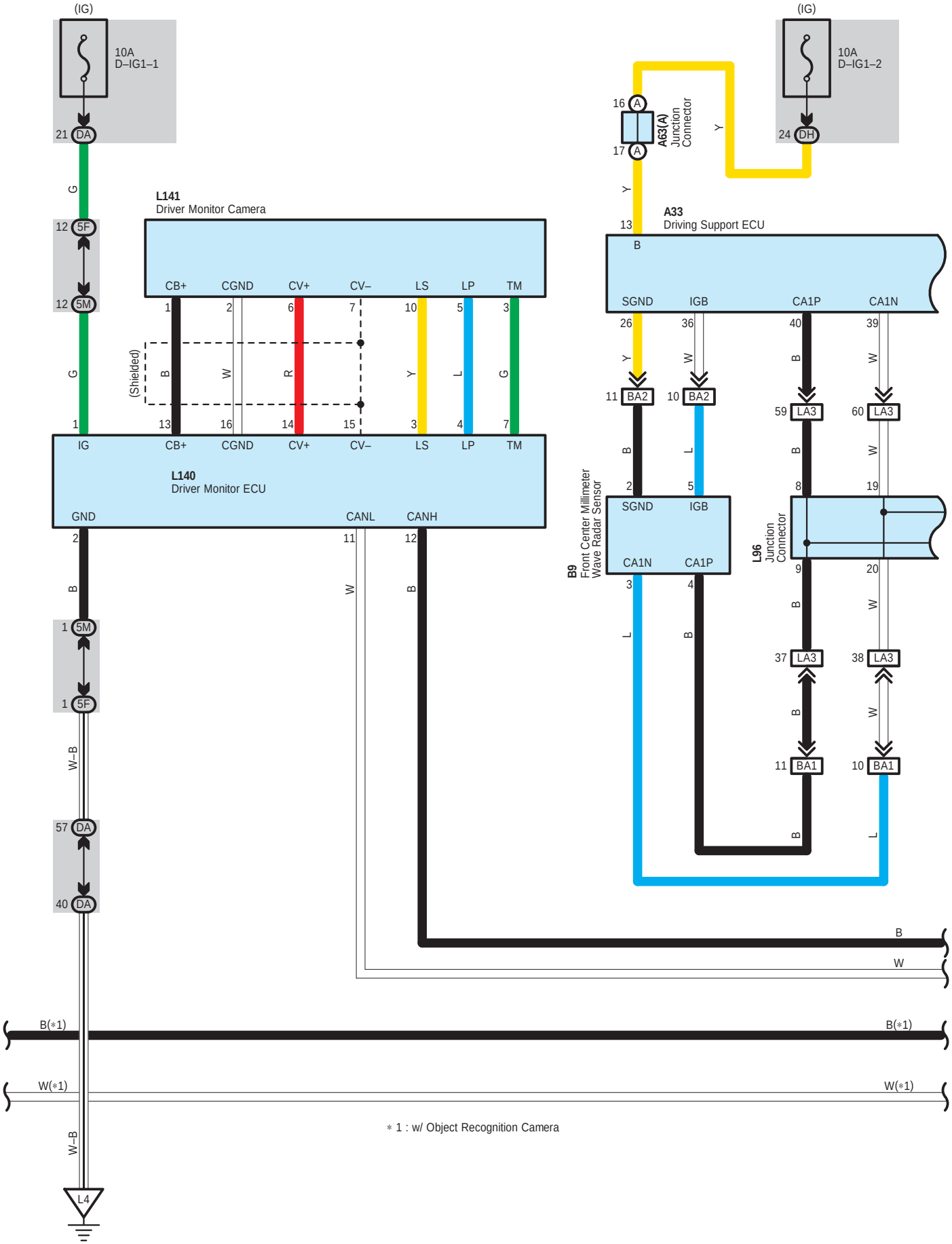

(IG)
10A D–IG1–5
4 DA
R(*1)
L(*1)
BR(*1)
B (*1)
BR (*1)
L (*1)
R (*1)
48 LR1
49 LR1
50 LR1
1 RL9
3 gR1
4 gR1
5 gR1
L (*1)
R (*1)
L (*1)
BR (*1)
B (*1)
B (*1)
BR (*1)
L (*1)
R (*1)
18 LX2
3 LX4
7 LX2
8 LX2
1 LX5
L (*1)
R (*1)
L (*1)
BR (*1)
B (*1)
X20
Junction
Connector
1
2
12 D
14 D
13 D
1 E
SGND
TX
RX
GVIF
IG
GND
X25(D), X27(E)
Object Recognition Camera
1 D
14 C
13 C
12 C
GVIF
TX
RX
SGND
R98(D), g1(C)
Object Recognition ECU
GND
CANL
CANH
IRFP
IRR
8 D
9 D
L (*1)
B (*1)
W–B (*1)
9 A
7 A
17 B
IG
IG3
GND5
GND4
X4(A), X6(B)
Overhead Module
20 B
10 C
5 C
16 C
11 C
3 C
W–B (*1)
W (*1)
B (*1)
Y (*1)
GR (*1)
11 gR1
2 gR1
1 gR1
6 gR1
7 gR1
Y (*1)
BR (*1)
7 AR1
9 AR1
Y (*1)
BR (*1)
24 BA2
23 BA2
BR
(*1)
Y (*1)
Y
(*1)
B(*1)
W(*1)
W–B (*1)
2
X21
Junction
Connector
1
W–B (*1)
W–B (*1)
10 B
8 B
L159(B)
Junction Connector
25 LX1
W–B (*1)
W–B (*1)
41 DA
40 DA
W–B (*1)
L4
W–B (*1)
8
R43
Junction
Connector
W–B
(*1)
R2
R1

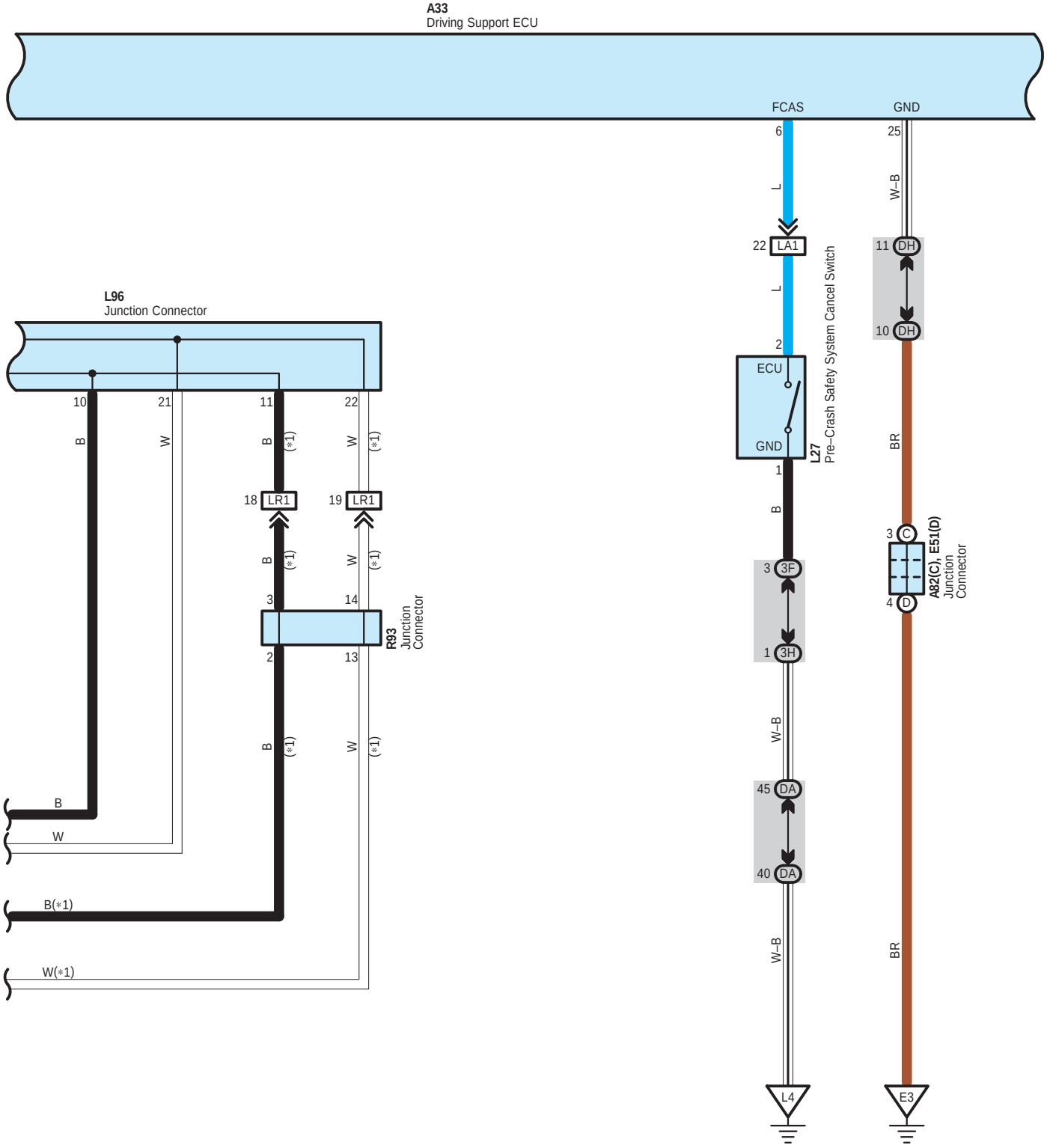


∗ 1 : w/ Object Recognition Camera

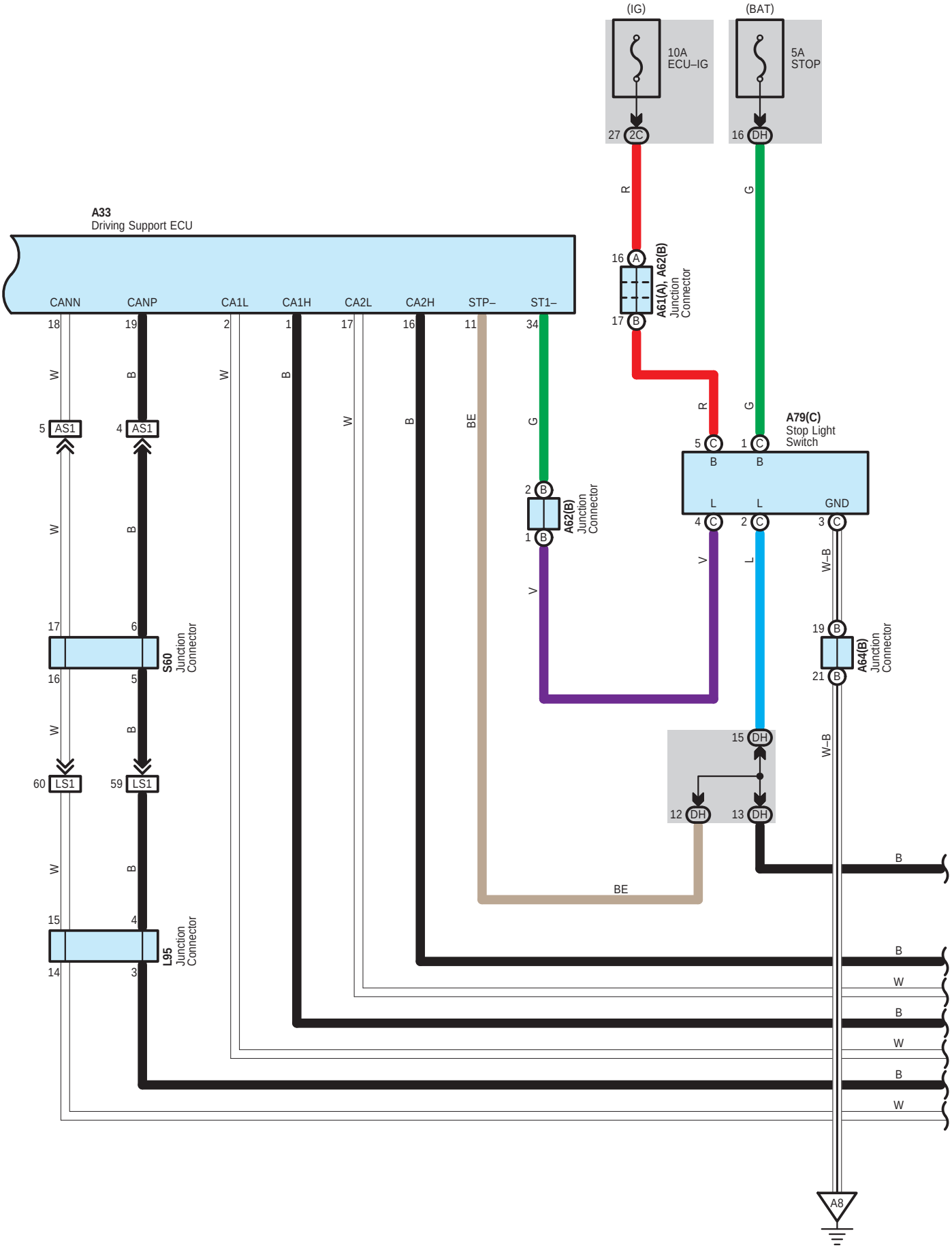

(IG)
10A
NV–IR
20 2C
(IG)
10A
D–IG1–2
24 DH
B11
Headlight RH
Near Infrared
Projector
Headlight
High/Low
IRLY
SOL
IRFR
E
IGED
IRR
5
4
6
16
15
19
A63(A), A64(B)
Junction
Connector
2 B
1 B
10 A
16 A
16 B
25 BA2
15 BA2
B
(*1)
Y
BE(*1)
GR(*1)
BR
W–B
BE
W(*1)
B(*1)
B1
B2

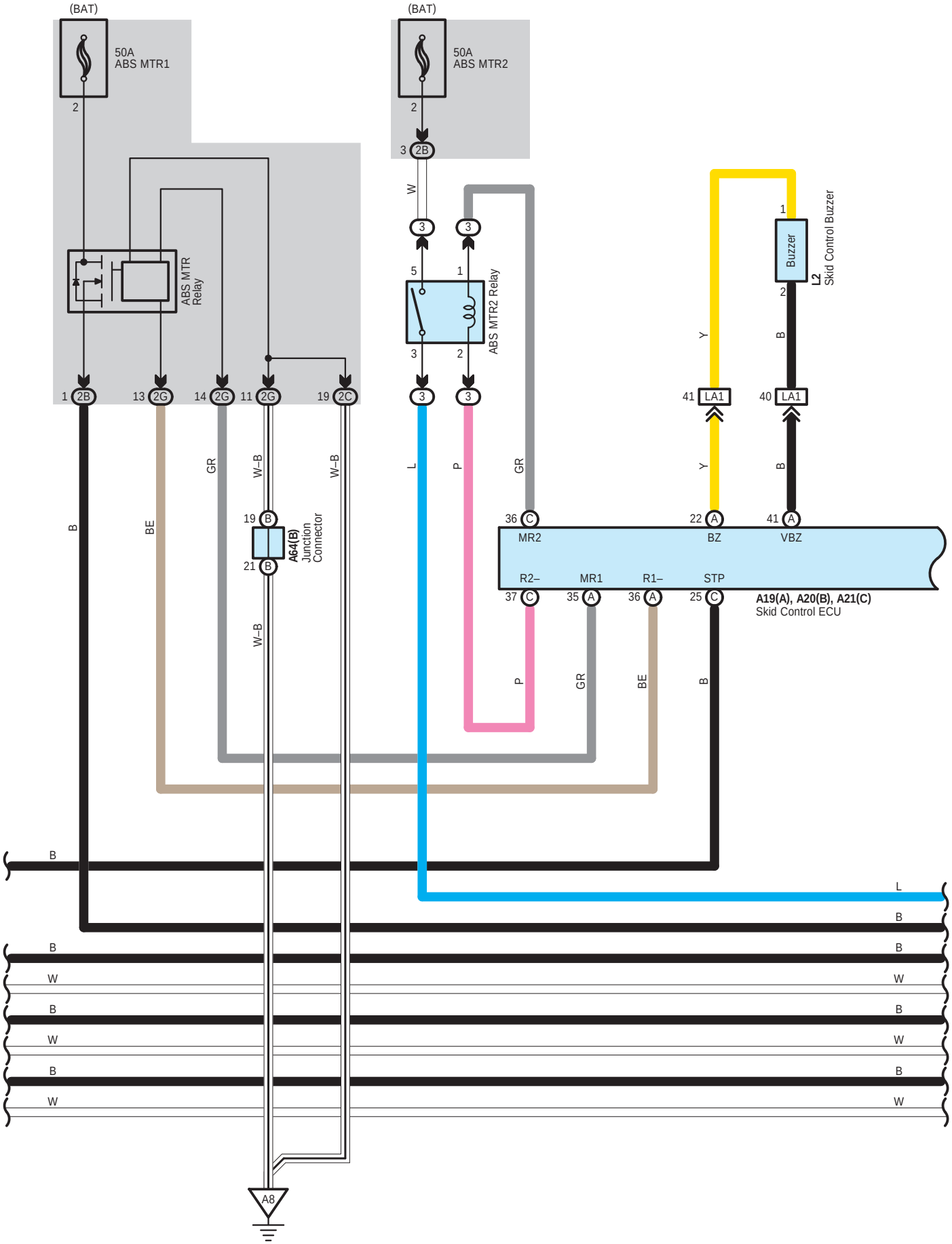


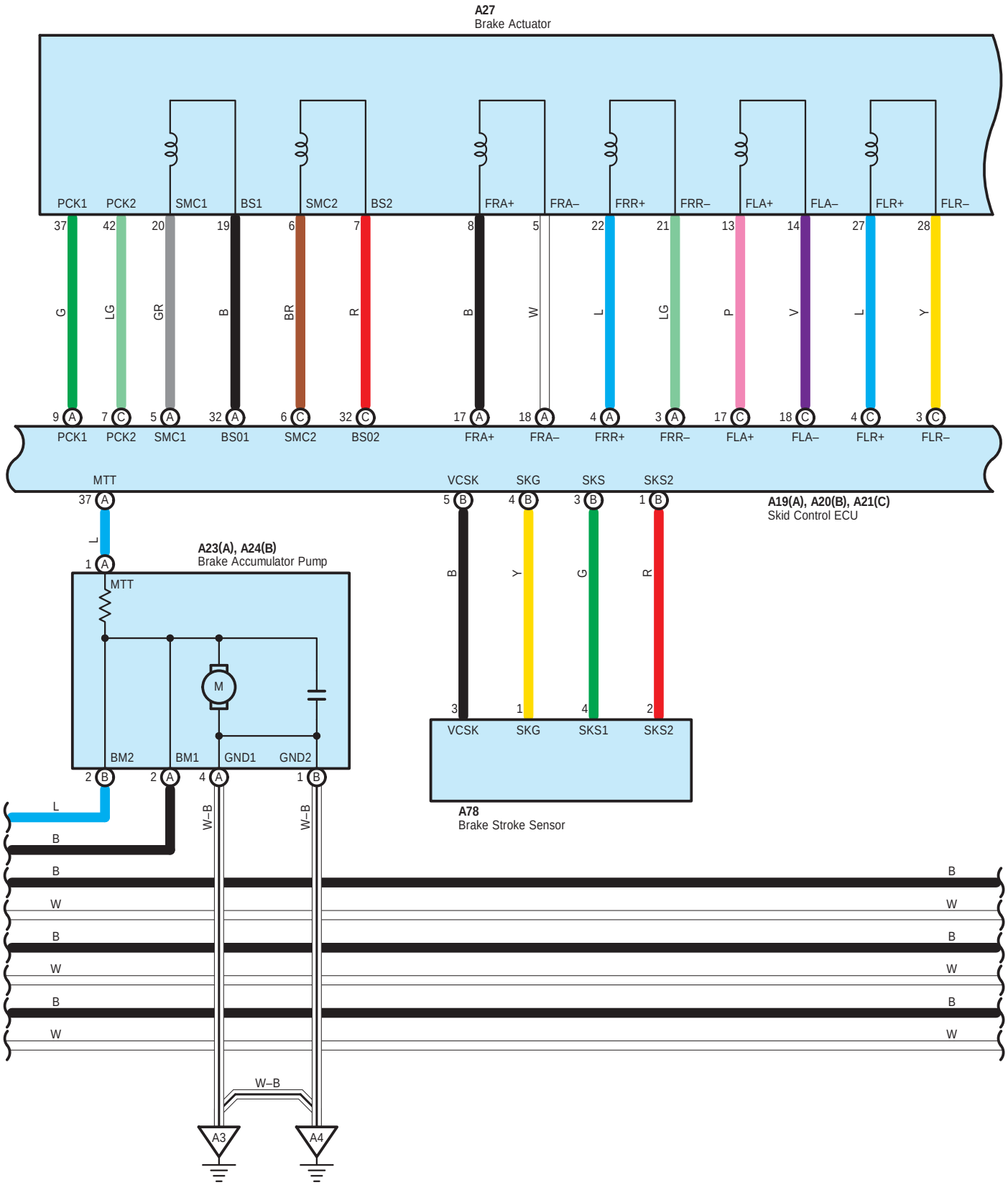
∗ 1 : w/ Object Recognition Camera

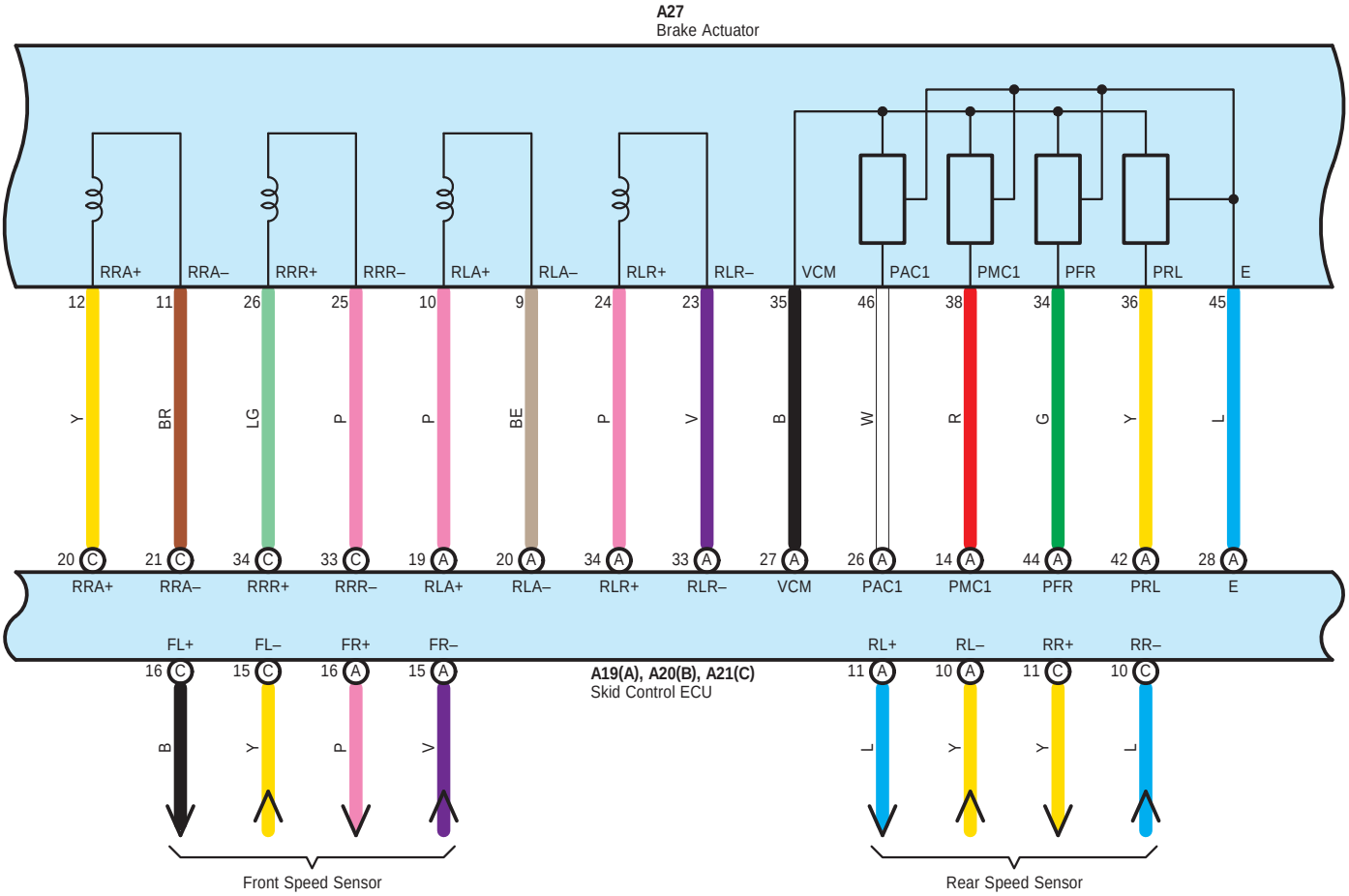

A33
Driving Support ECU
FCAS
GND
6
25
L
W–B
22
LA1
11
DH
10
DH
L
2
ECU
GND
L27
Pre–Crash Safety System Cancel Switch
1
B
BR
3
C
A82(C), E51(D)
Junction
Connector
4
D
3
3F
1
3H
W–B
45
DA
40
DA
W–B
BR
L4
E3
L96
Junction Connector
10
21
11
22
B
W
B
(*1)
W
(*1)
18
LR1
19
LR1
B
(*1)
W
(*1)
3
14
R93
Junction
Connector
2
13
B
(*1)
W
(*1)
B
W
B(*1)
W(*1)

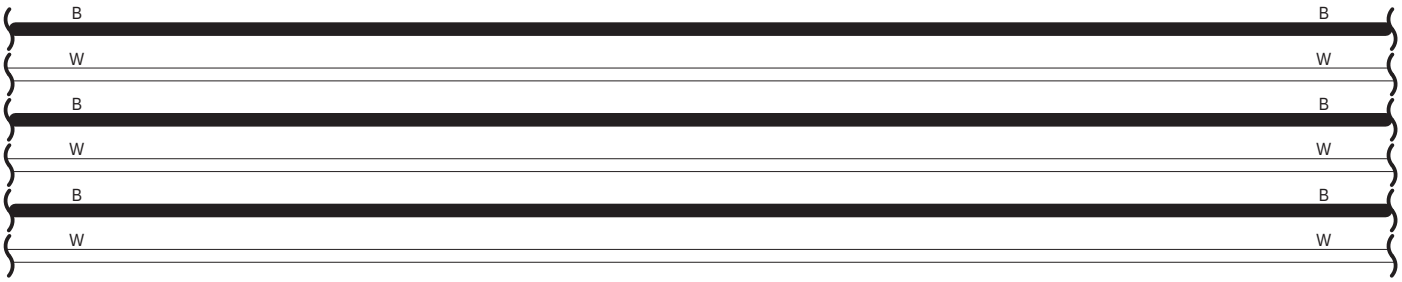
∗ 1 : w/ Object Recognition Camera

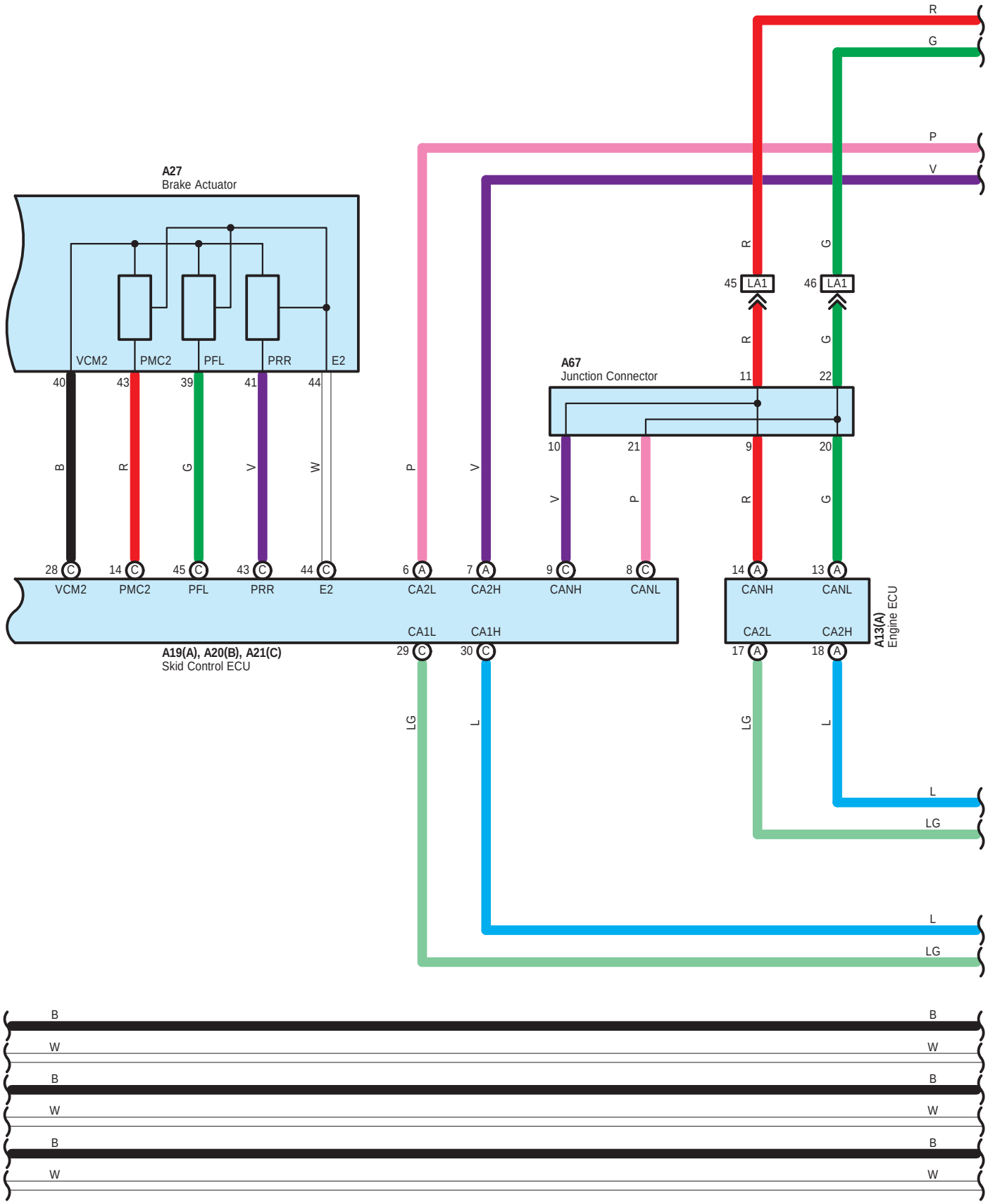


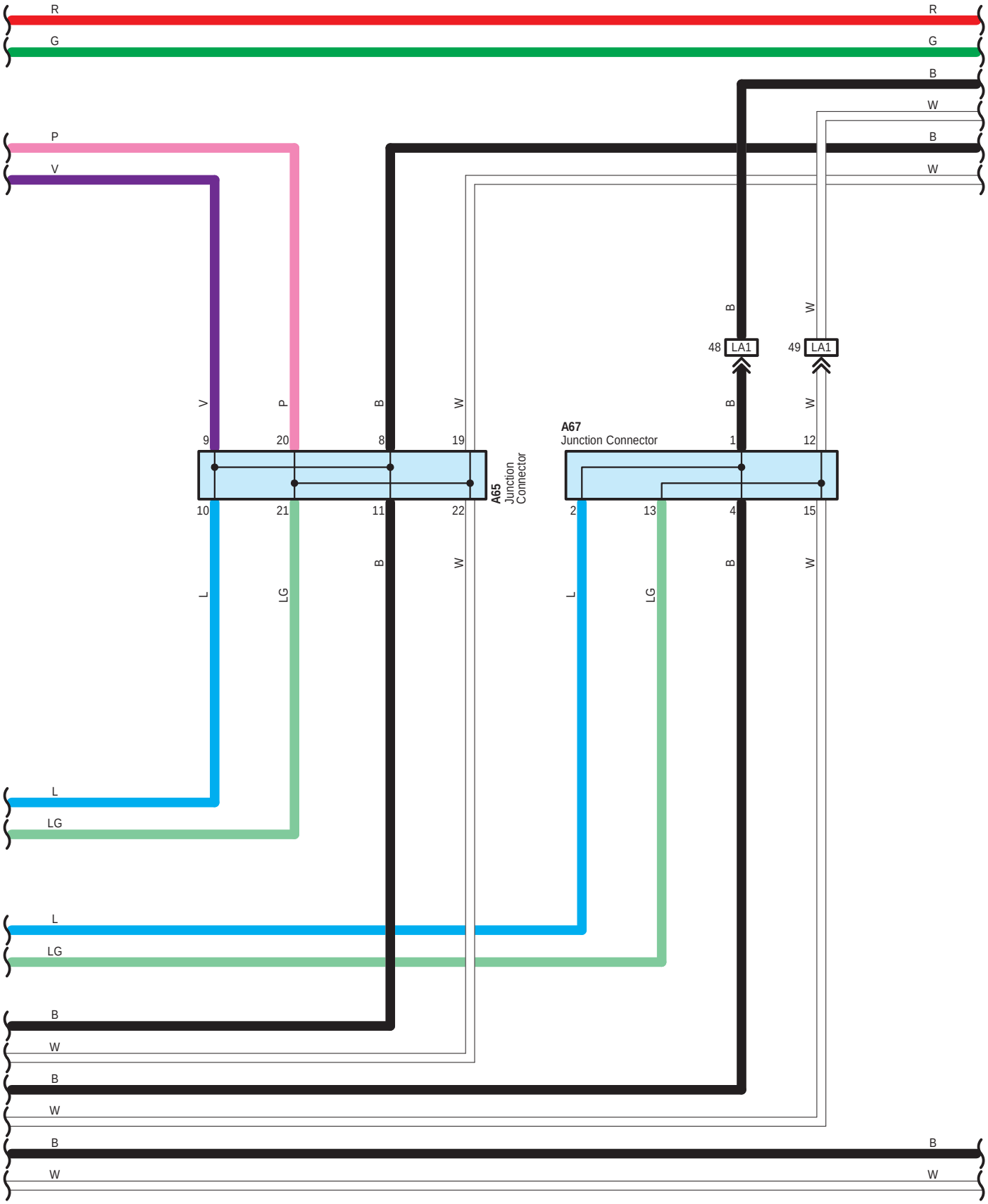

(BAT)
50A
ABS MTR1
2
ABS MTR
Relay
1 2B
13 2G
14 2G
11 2G
19 2C
(BAT)
50A
ABS MTR2
2
3 2B
W
3
3
5
1
ABS MTR2 Relay
3
2
3
3
L
P
GR
B
BE
GR
W–B
W–B
W–B
19 B
21 B
A64(B)
Junction
Connector
36 C
MR2
R2–
37 C
MR1
35 A
R1–
36 A
STP
25 C
A19(A), A20(B), A21(C)
Skid Control ECU
P
GR
BE
B
1
Buzzer
2
L2
Skid Control Buzzer
Y
B
41 LA1
40 LA1
Y
B
22 A
BZ
41 A
VBZ
B
L
B
B
W
B
W
B
W
B
W
A8

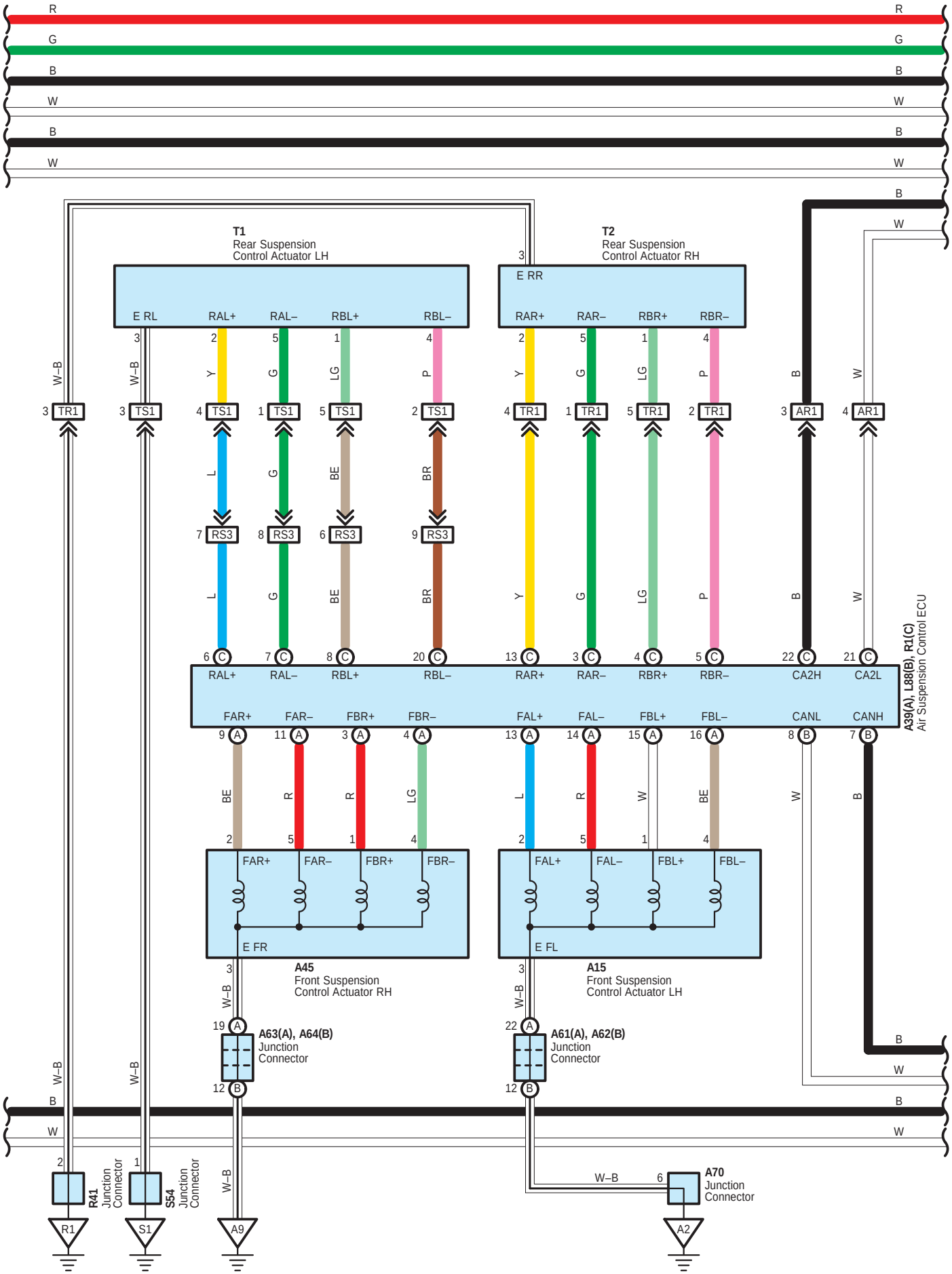

A27
Brake Actuator
PCK1
PCK2
SMC1
BS1
SMC2
BS2
FRA+
FRA–
FRR+
FRR–
FLA+
FLA–
FLR+
FLR–
37
42
20
19
6
7
8
5
22
21
13
14
27
28
G
LG
GR
B
BR
R
B
W
L
LG
P
V
L
Y
9 A
7 C
5 A
32 A
6 C
32 C
17 A
18 A
4 A
3 A
17 C
18 C
4 C
3 C
PCK1
PCK2
SMC1
BS01
SMC2
BS02
FRA+
FRA–
FRR+
FRR–
FLA+
FLA–
FLR+
FLR–
MTT
VCSK
SKG
SKS
SKS2
37 A
5 B
4 B
3 B
1 B
A19(A), A20(B), A21(C)
Skid Control ECU
L
1 A
A23(A), A24(B)
Brake Accumulator Pump
MTT
M
B
Y
G
R
3
1
4
2
VCSK
SKG
SKS1
SKS2
BM2
BM1
GND1
GND2
2 B
2 A
4 A
1 B
A78
Brake Stroke Sensor
L
B
W–B
W–B
B
W
B
W
B
W
B
W
B
W
B
W
W–B
A3
A4

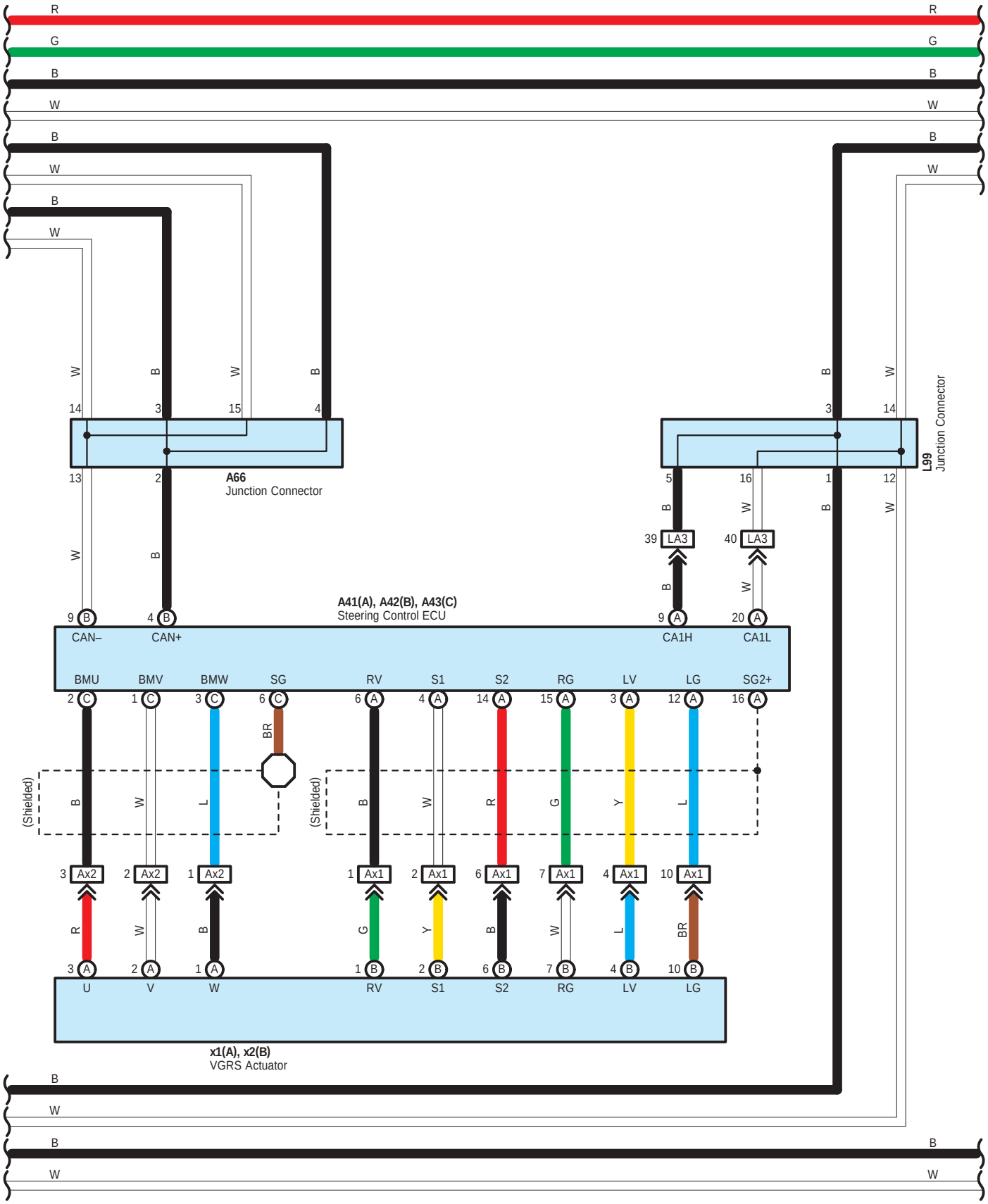

A27
Brake Actuator
RRA+
RRA–
RRR+
RRR–
RLA+
RLA–
RLR+
RLR–
VCM
PAC1
PMC1
PFR
PRL
E
12 11 26 25 10 9 24 23 35 46 38 34 36 45
Y BR LG P P BE P V B W R G Y L
20 C 21 C 34 C 33 C 19 A 20 A 34 A 33 A 27 A 26 A 14 A 44 A 42 A 28 A
RRA+ RRA– RRR+ RRR– RLA+ RLA– RLR+ RLR– VCM PAC1 PMC1 PFR PRL E
FL+ FL– FR+ FR–
16 C 15 C 16 A 15 A
B Y P V
Front Speed Sensor
A19(A), A20(B), A21(C)
Skid Control ECU
RL+ RL– RR+ RR–
11 A 10 A 11 C 10 C
L Y Y L
Rear Speed Sensor

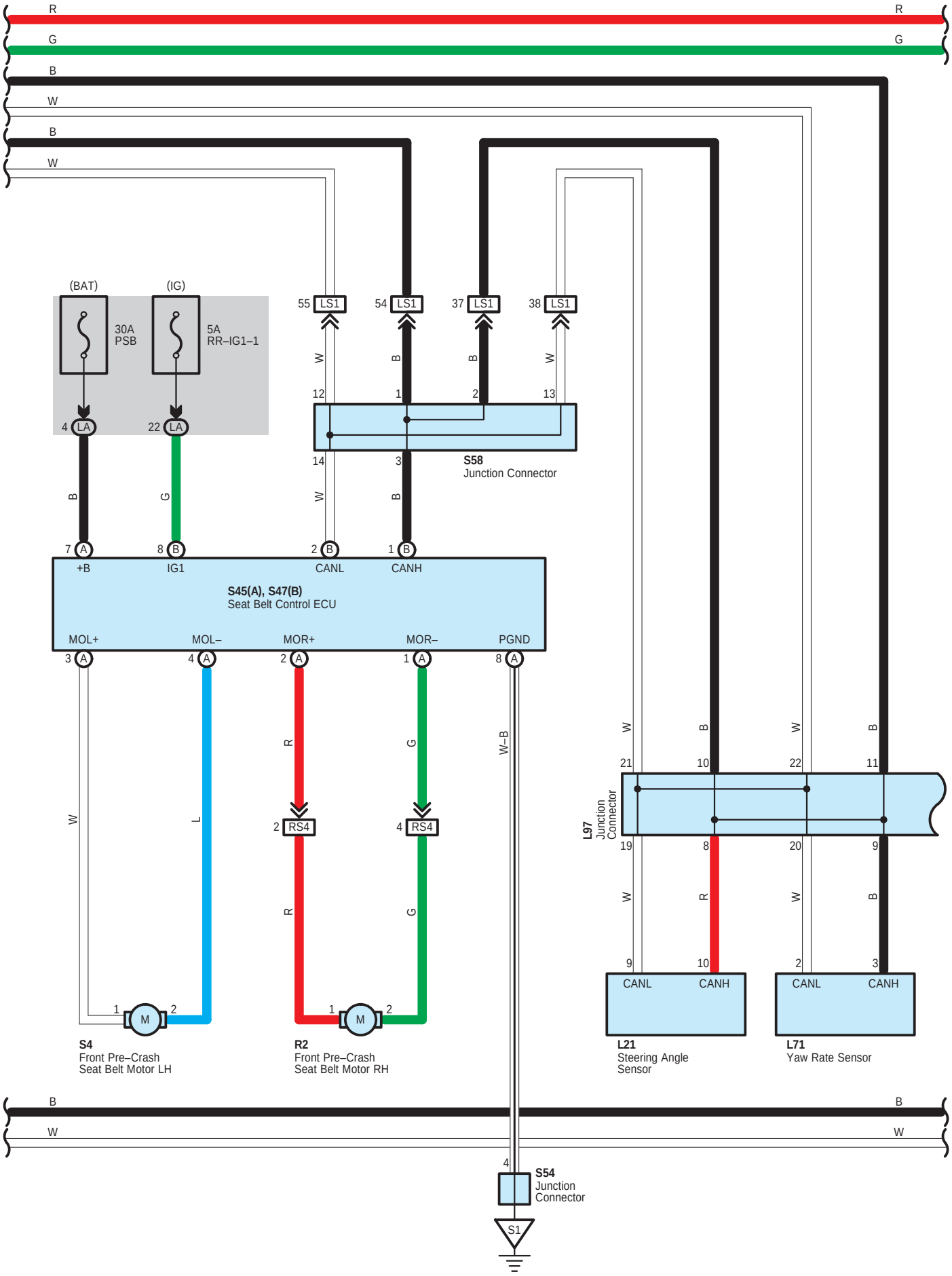

B B
W W
B B
W W
B B
W W

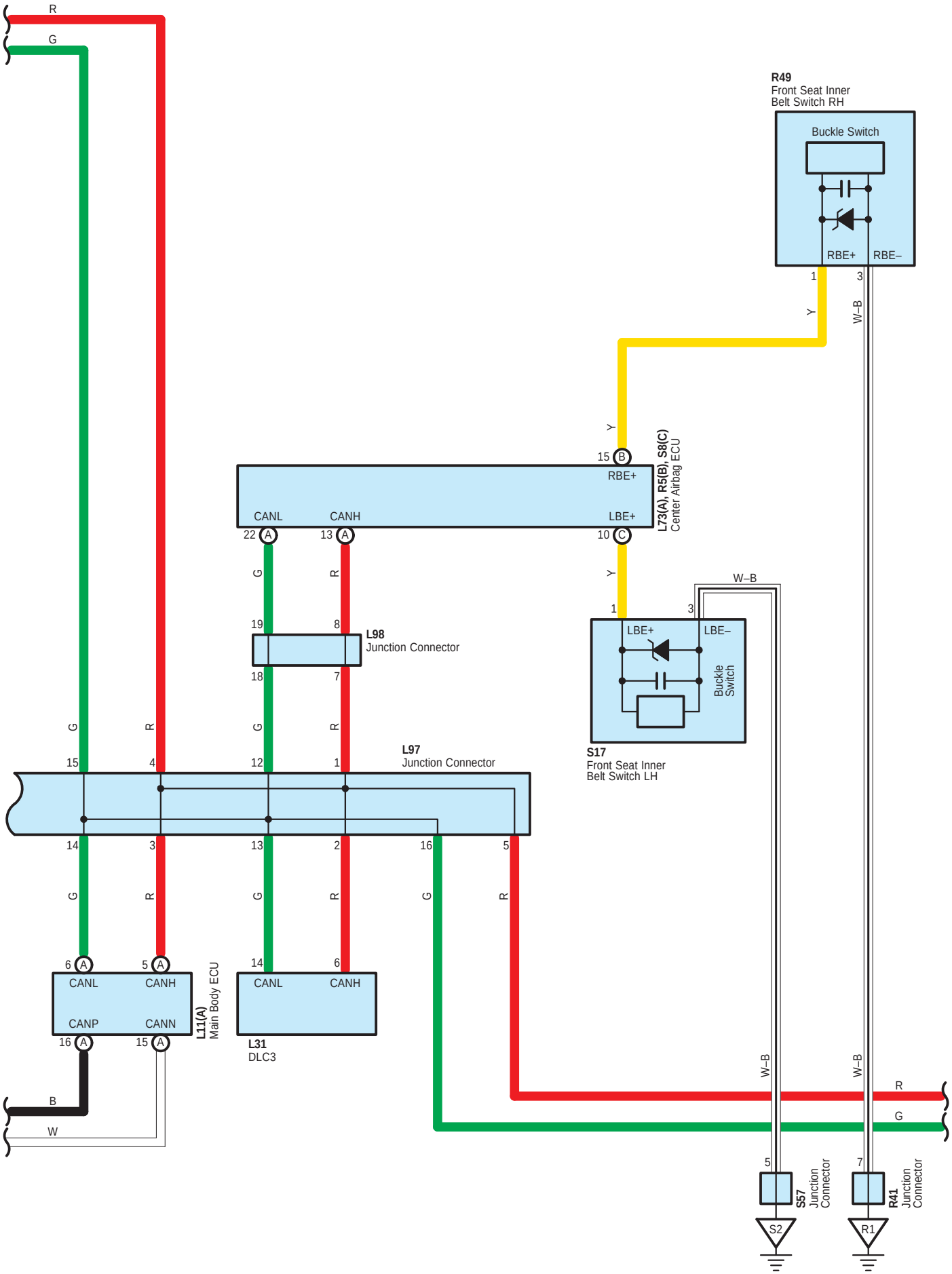

A27
Brake Actuator
VCM2
PMC2
PFL
PRR
E2
40
43
39
41
44
B
R
G
V
W
P
V
R
G
45 LA1
46 LA1
R
G
A67
Junction Connector
11
22
10
21
9
20
V
P
R
G
28 C
14 C
45 C
43 C
44 C
6 A
7 A
9 C
8 C
14 A
13 A
VCM2
PMC2
PFL
PRR
E2
CA2L
CA2H
CANH
CANL
CANH
CANL
CA1L
CA1H
CA2L
CA2H
A19(A), A20(B), A21(C)
Skid Control ECU
29 C
30 C
17 A
18 A
A13(A)
Engine ECU
LG
L
LG
L
L
LG
L
LG
B
W
B
W
B
W
B
W
B
W
B
W

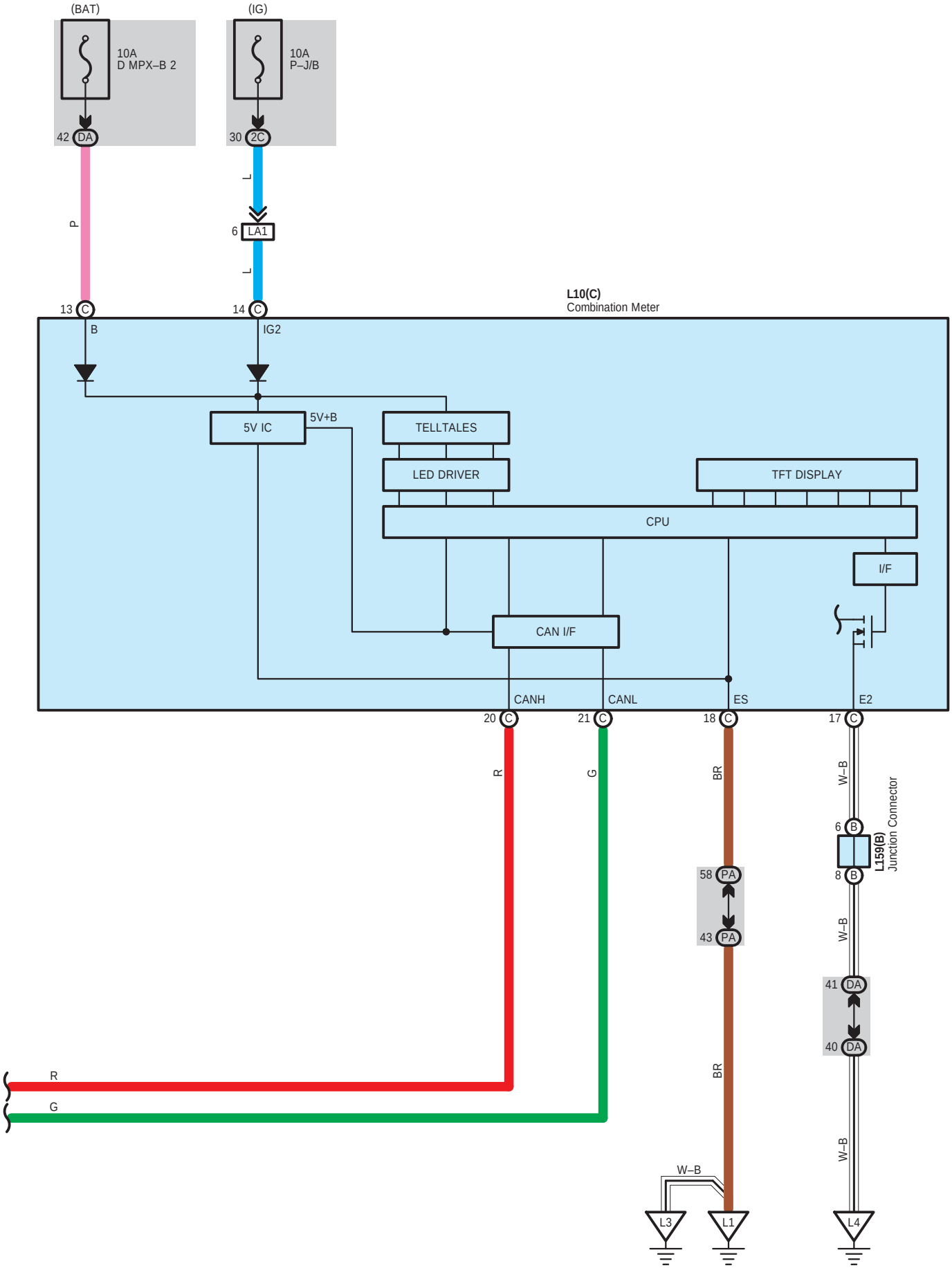

R
G
B
W
P
V
48
LA1
49
LA1
A67
Junction Connector
A65
Junction
Connector
9
20
8
19
1
12
10
21
11
22
2
13
4
15
L
LG


T1
Rear Suspension
Control Actuator LH
T2
Rear Suspension
Control Actuator RH
E RL
RAL+
RAL–
RBL+
RBL–
E RR
RAR+
RAR–
RBR+
RBR–
TR1
TS1
AR1
RS3
CA2H
CA2L
CANL
CANH
FAR+
FAR–
FBR+
FBR–
FAL+
FAL–
FBL+
FBL–
A39(A), L88(B), R1(C)
Air Suspension Control ECU
E FR
A45
Front Suspension
Control Actuator RH
E FL
A15
Front Suspension
Control Actuator LH
A63(A), A64(B)
Junction
Connector
A61(A), A62(B)
Junction
Connector
R41
Junction
Connector
S54
Junction
Connector
A70
Junction
Connector
R1
S1
A9
A2

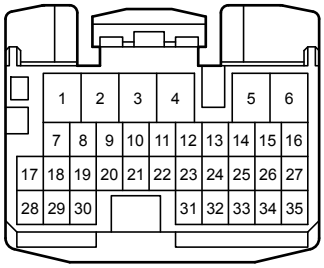

A66
Junction Connector
L99
Junction Connector
A41(A), A42(B), A43(C)
Steering Control ECU
CAN–
CAN+
CA1H
CA1L
BMU
BMV
BMW
SG
RV
S1
S2
RG
LV
LG
SG2+
(Shielded)
(Shielded)
x1(A), x2(B)
VGRS Actuator
U
V
W
RV
S1
S2
RG
LV
LG


R
G
B
W
(BAT)
(IG)
30A
PSB
5A
RR–IG1–1
4 LA
22 LA
55 LS1
54 LS1
37 LS1
38 LS1
12
1
2
13
14
3
S58
Junction Connector
7 A
8 B
2 B
1 B
+B
IG1
CANL
CANH
S45(A), S47(B)
Seat Belt Control ECU
MOL+
MOL–
MOR+
MOR–
PGND
3 A
4 A
2 A
1 A
8 A
2 RS4
4 RS4
W–B
L97
Junction
Connector
21
10
22
11
19
8
20
9
9
10
2
3
CANL
CANH
CANL
CANH
M
M
S4
Front Pre–Crash
Seat Belt Motor LH
R2
Front Pre–Crash
Seat Belt Motor RH
L21
Steering Angle
Sensor
L71
Yaw Rate Sensor
4
S54
Junction
Connector
S1

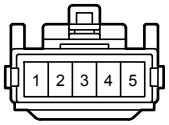

R
G
R49
Front Seat Inner
Belt Switch RH
Buckle Switch
RBE+
RBE–
1
3
Y
W–B
Y
15 B
RBE+
L73(A), R5(B), S8(C)
Center Airbag ECU
CANL
CANH
LBE+
22 A
13 A
10 C
G
R
Y
W–B
1
3
19
8
L98
Junction Connector
18
7
LBE+
LBE–
Buckle Switch
S17
Front Seat Inner
Belt Switch LH
G
R
G
R
L97
Junction Connector
15
4
12
1
14
3
13
2
16
5
G
R
G
R
G
R
6 A
5 A
CANL
CANH
CANP
CANN
16 A
15 A
L11(A)
Main Body ECU
14
6
CANL
CANH
L31
DLC3
B
W
W–B
W–B
R
G
5
7
S57
Junction
Connector
R41
Junction
Connector
S2
R1


(BAT)
10A
D MPX–B 2
42 DA
(IG)
10A
P–J/B
30 2C
P
L
6 LA1
L
13 C
B
14 C
IG2
L10(C)
Combination Meter
5V IC
5V+B
TELLTALES
LED DRIVER
TFT DISPLAY
CPU
I/F
CAN I/F
CANH
CANL
ES
E2
20 C
21 C
18 C
17 C
R
G
BR
W–B
6 B
8 B
L159(B)
Junction Connector
58 PA
43 PA
41 DA
40 DA
R
G
BR
W–B
W–B
L3
L1
L4

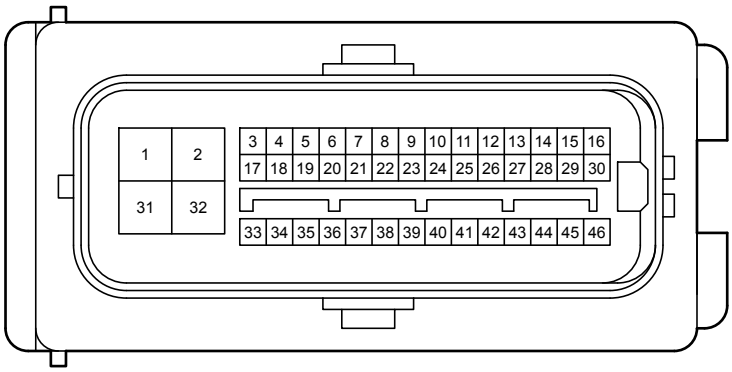
A 13
White



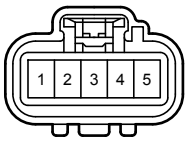
A 15
Black



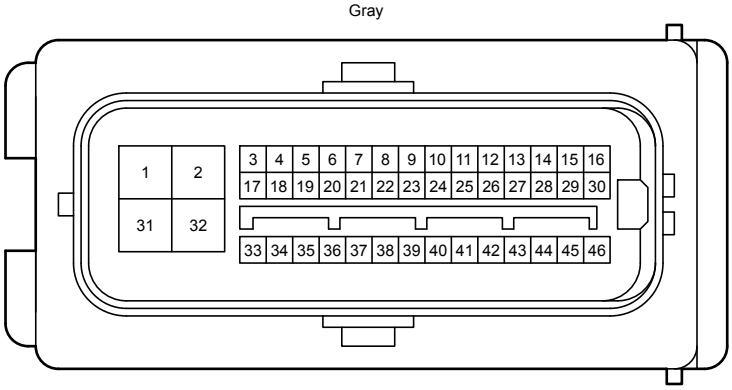
A 19
Black



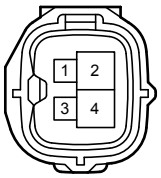
A 20
Black



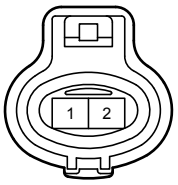
A 21
Gray



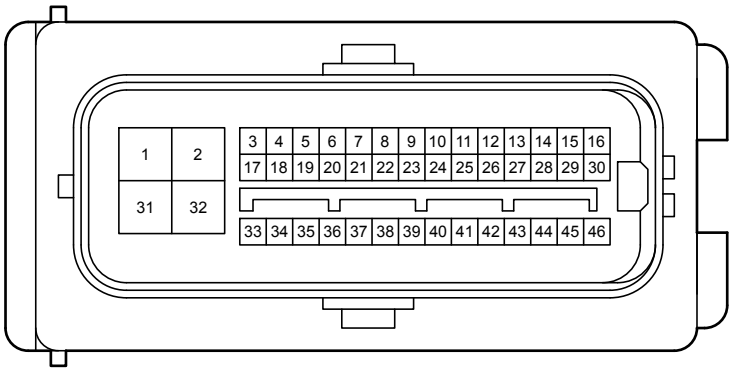
A 23
Black



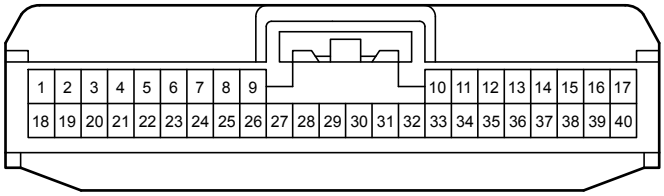
A 24
Black



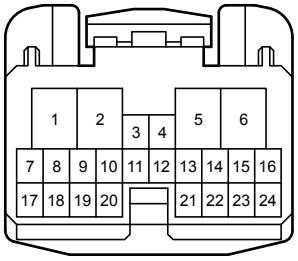
A 27
Black



A 33
White



A 39
Black



A 41
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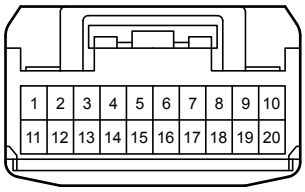

A 42
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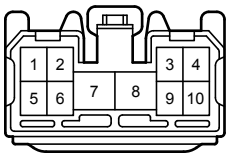

A 43
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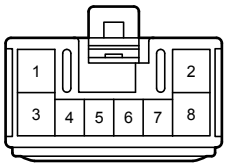
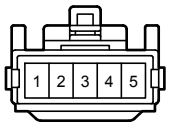
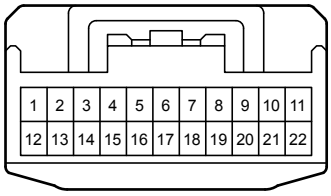


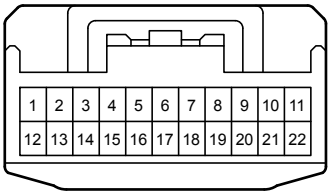
A 45
Black



A 61
Black



A 62
Blue



A 63
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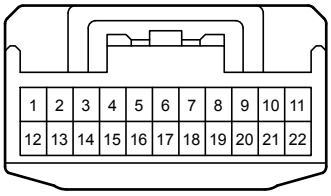

A 64
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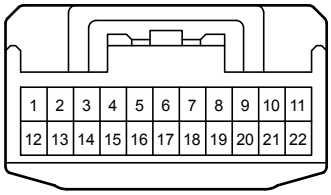

A 65
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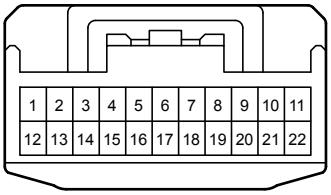

A 66
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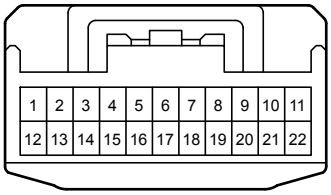

A 67
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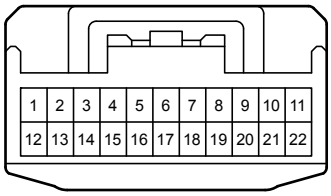

A 70
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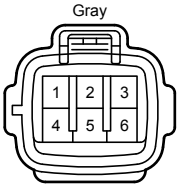

A 78
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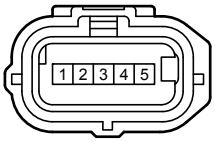

A 79
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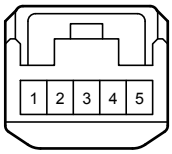
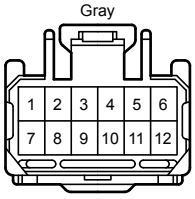
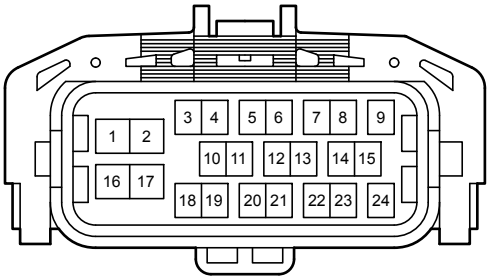


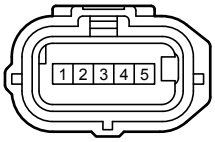
A 82
Gray



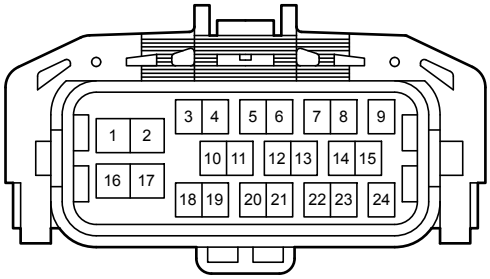
B 1
Black



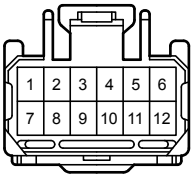
B 9
Black



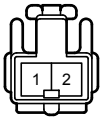
B 11
Black



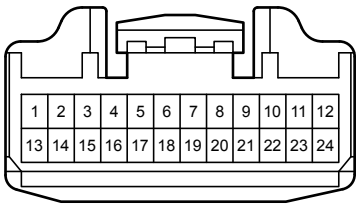
E 51
Blue



L 2
Blue

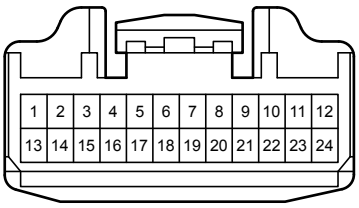


L 10
White



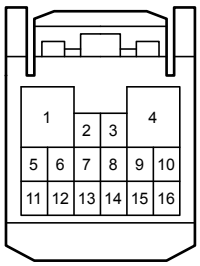
(Before Sep. 2008 Production)

L 10
Black

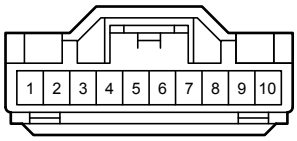


(From Sep. 2008 Production)

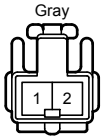
L 11
White



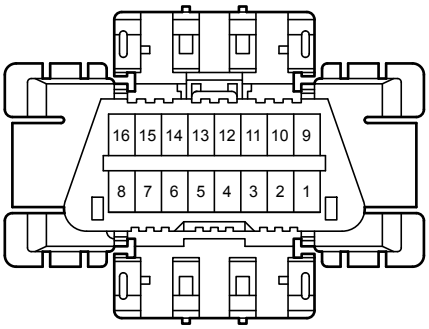
L 21
White



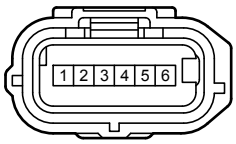
L 27
Gray



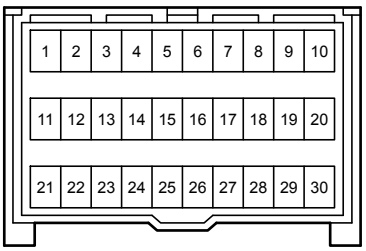
L 31
White



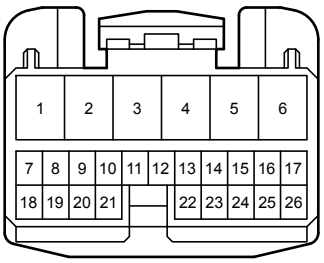
L 71
Black



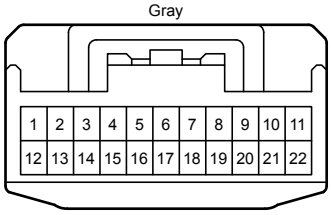
L 73
Yellow



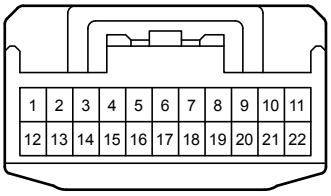
L 88
Black



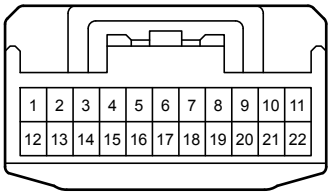
L 95
Gray



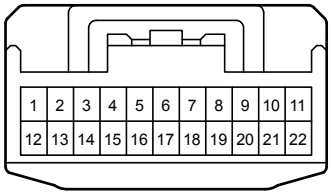
L 96
Black



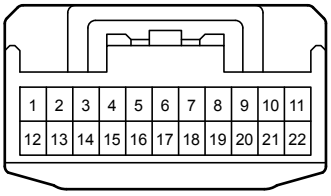
L 97
Black



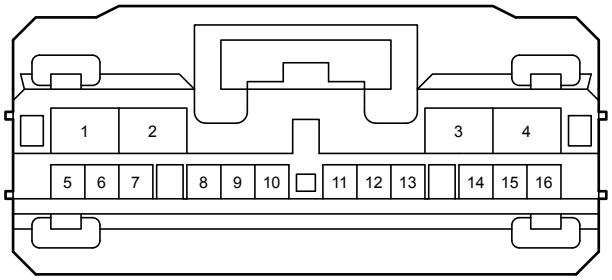
L 98
Gray



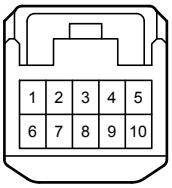
L 99
Black



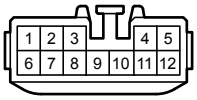
L140
White



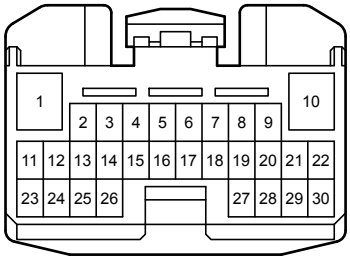
L141
White



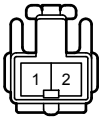
L159
Blue



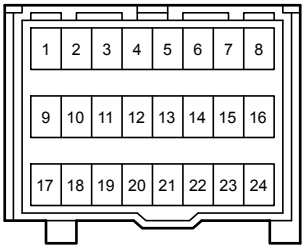
R 1
Black



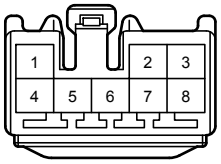
R 2
White



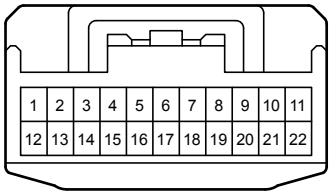
R 5
Yellow



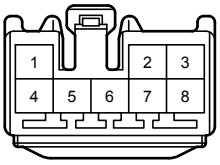
R 41
White



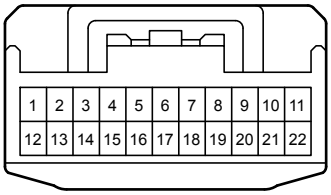
R 42
Black



R 43
White

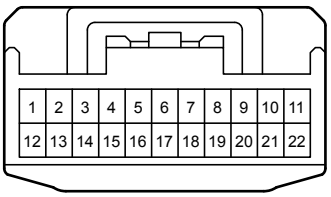


R 44
Black



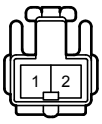
R 49
Gray

R 93
White

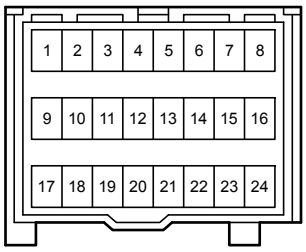


R 98
Blue

S 4
White

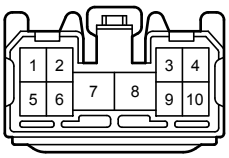


S 8
Yellow

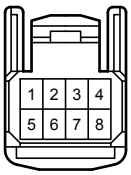


S 17
Gray

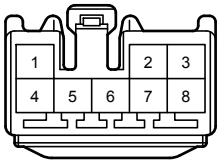
S 45
White



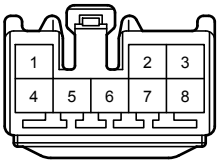
S 47
White



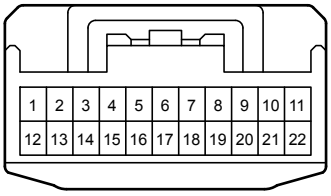
S 54
White



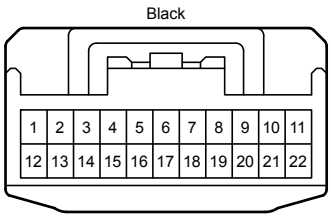
S 57
White



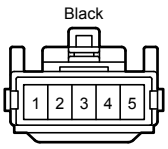
S 58
Black



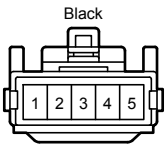
S 60
Black



T 1
Black



T 2
Black



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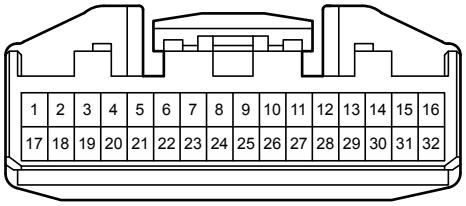

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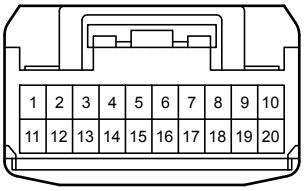

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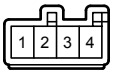

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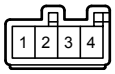

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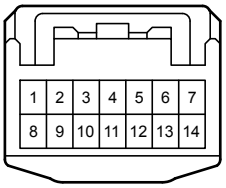

X 27
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g 1
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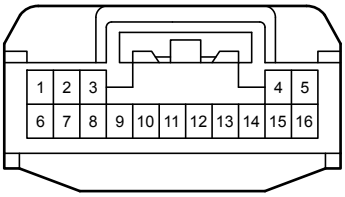

x 1
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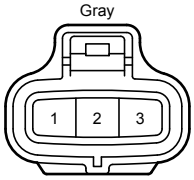

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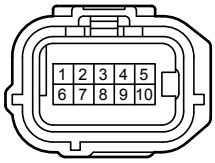

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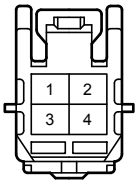

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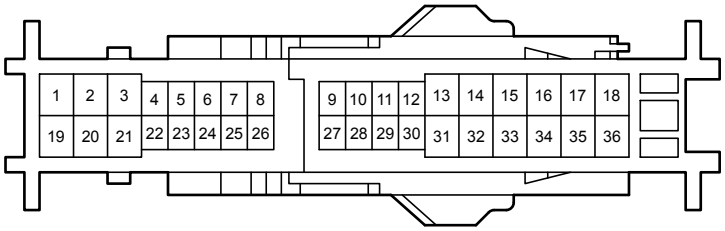

2G
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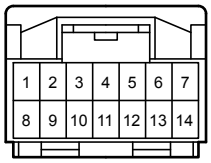

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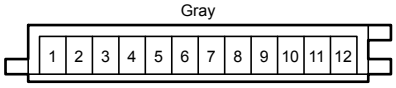

3H
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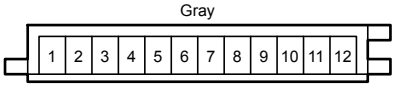

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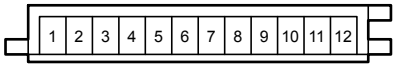

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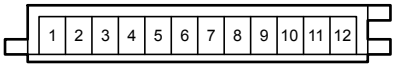

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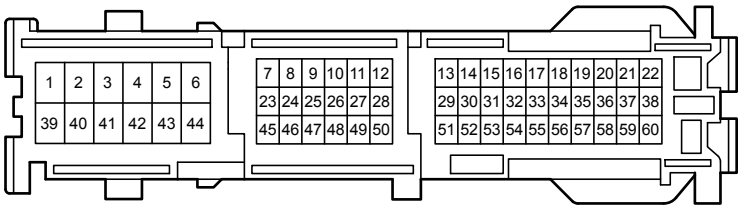

DH
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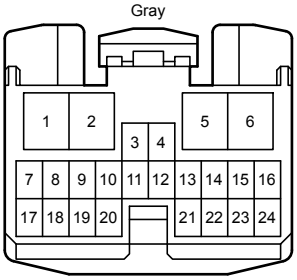

LA
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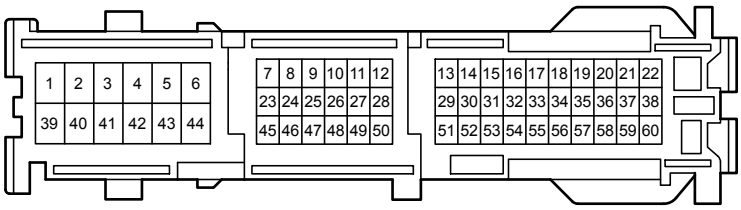

PA
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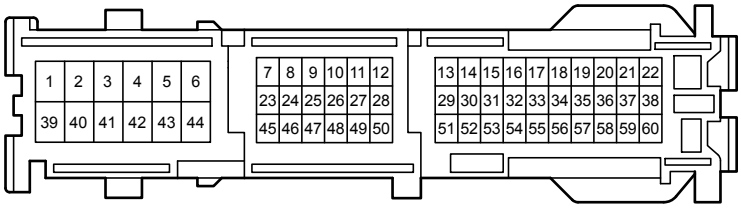

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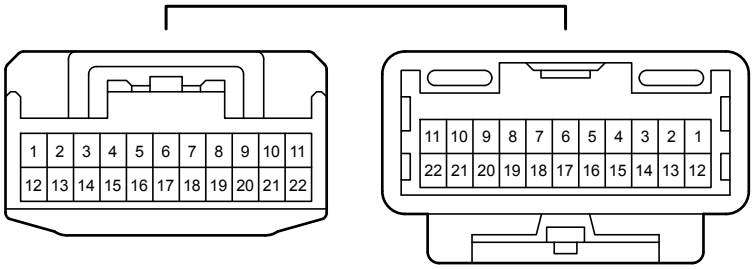

AS1
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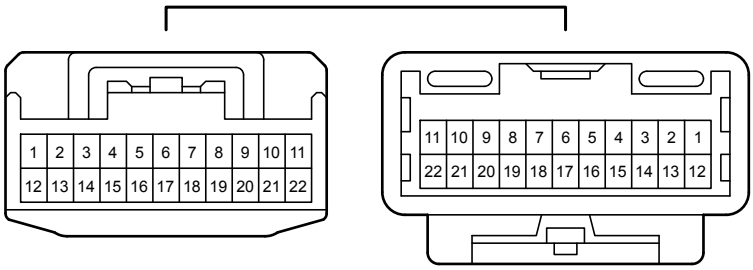

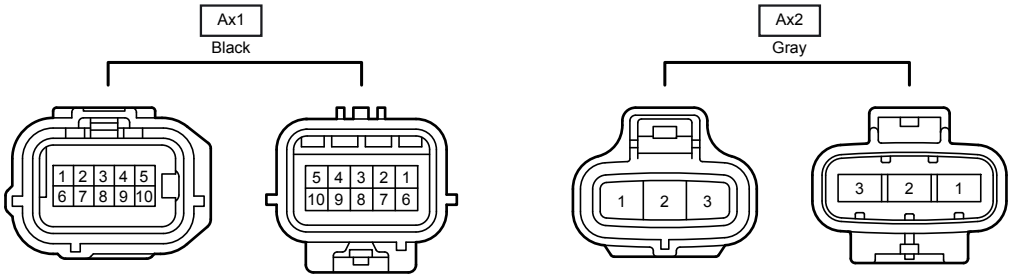
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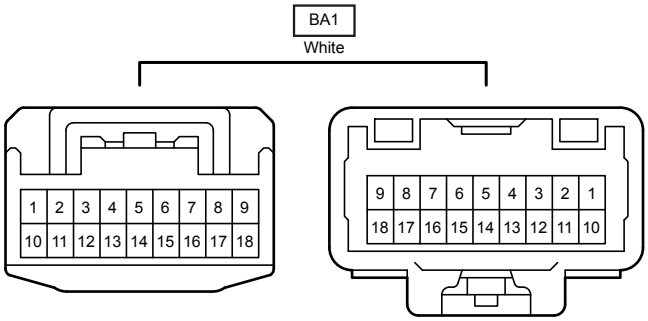
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6
Ax2
Gray
1 2 3
3 2 1


BA1
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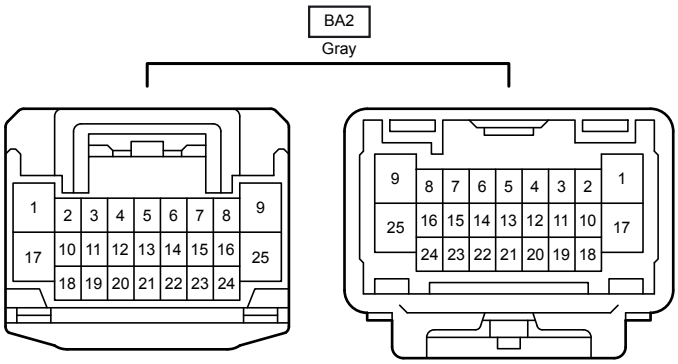
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10


BA2
Gray
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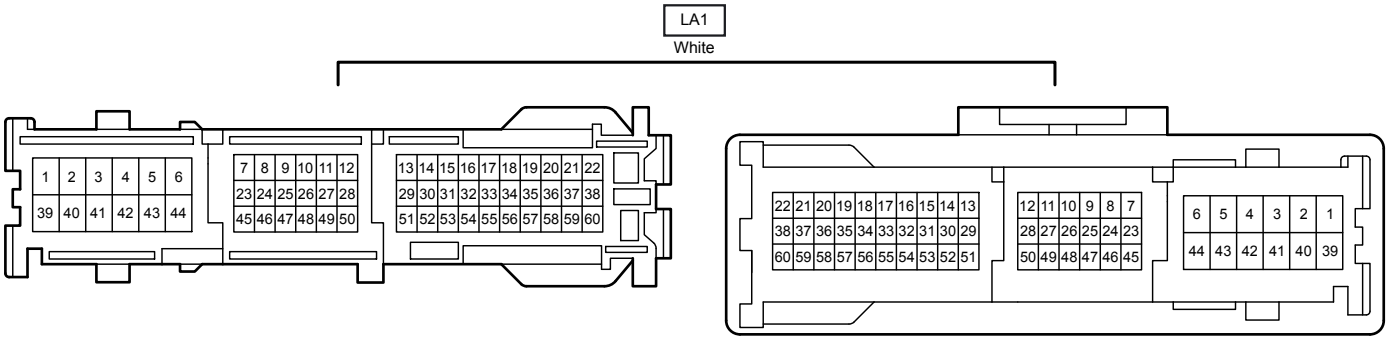
9 8 7 6 5 4 3 2 1
25 16 15 14 13 12 11 10 17
24 23 22 21 20 19 18


LA1
White
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7 8 9 10 11 12
23 24 25 26 27 28
45 46 47 48 49 50
13 14 15 16 17 18 19 20 21 22
29 30 31 32 33 34 35 36 37 38
51 52 53 54 55 56 57 58 59 60
22 21 20 19 18 17 16 15 14 13
38 37 36 35 34 33 32 31 30 29
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6 5 4 3 2 1
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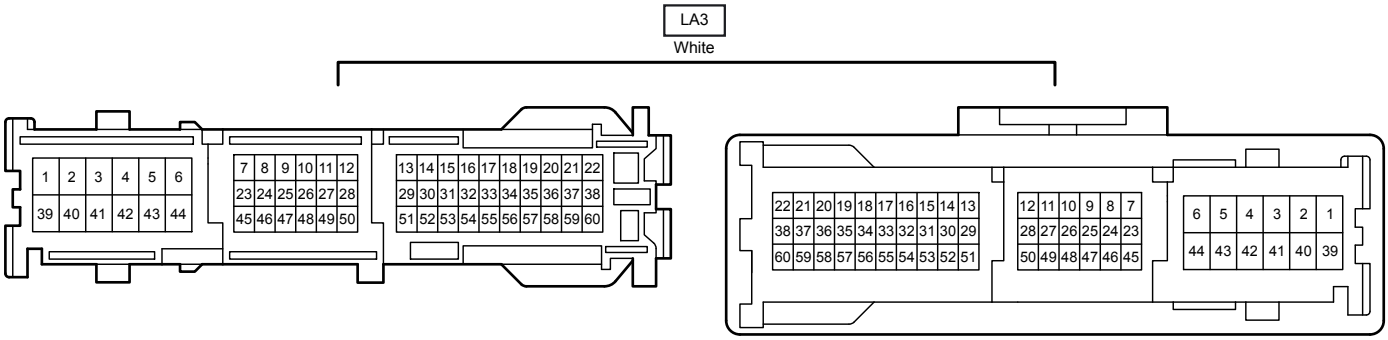
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45 46 47 48 49 50
13 14 15 16 17 18 19 20 21 22
29 30 31 32 33 34 35 36 37 38
51 52 53 54 55 56 57 58 59 60
22 21 20 19 18 17 16 15 14 13
38 37 36 35 34 33 32 31 30 29
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12 11 10 9 8 7
28 27 26 25 24 23
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44 43 42 41 40 39

LR1
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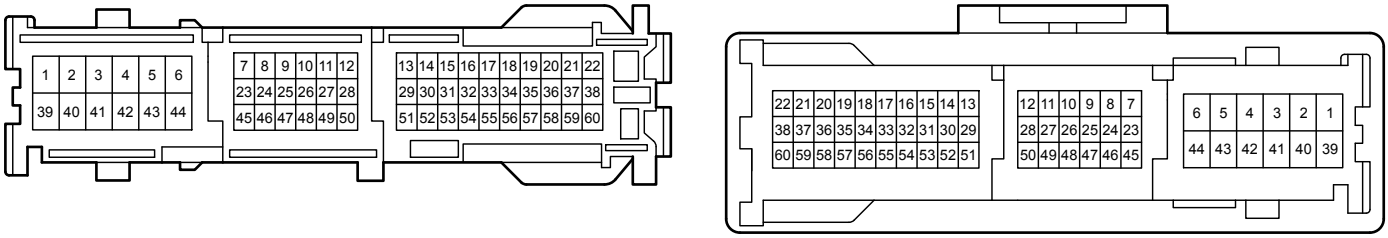

LS1
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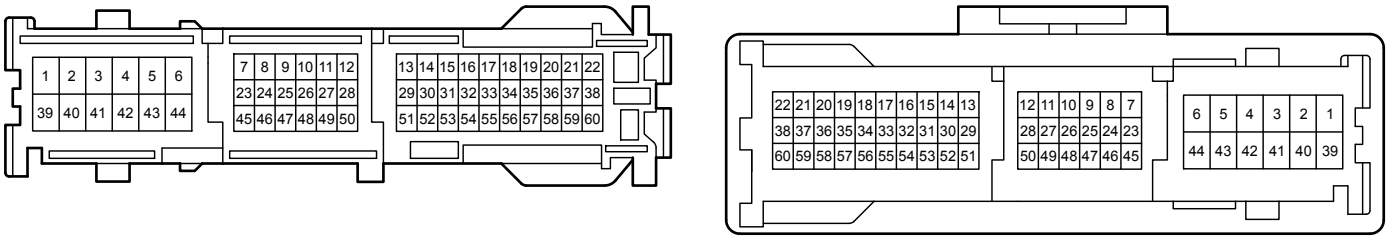

LX1
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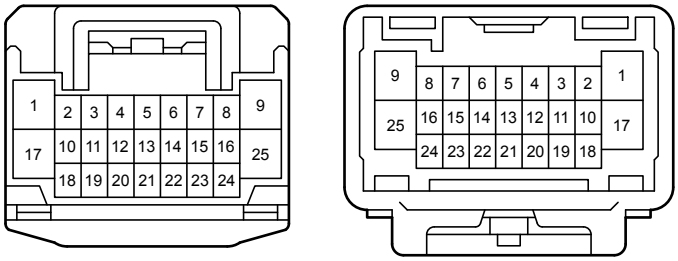

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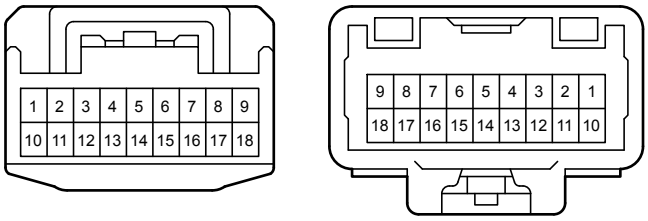
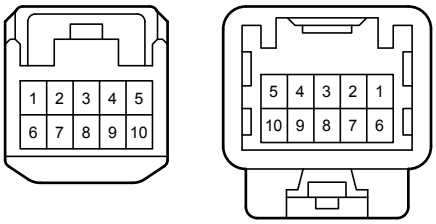


LX4
Gray



LX5
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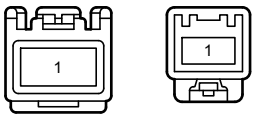
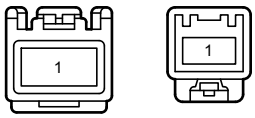
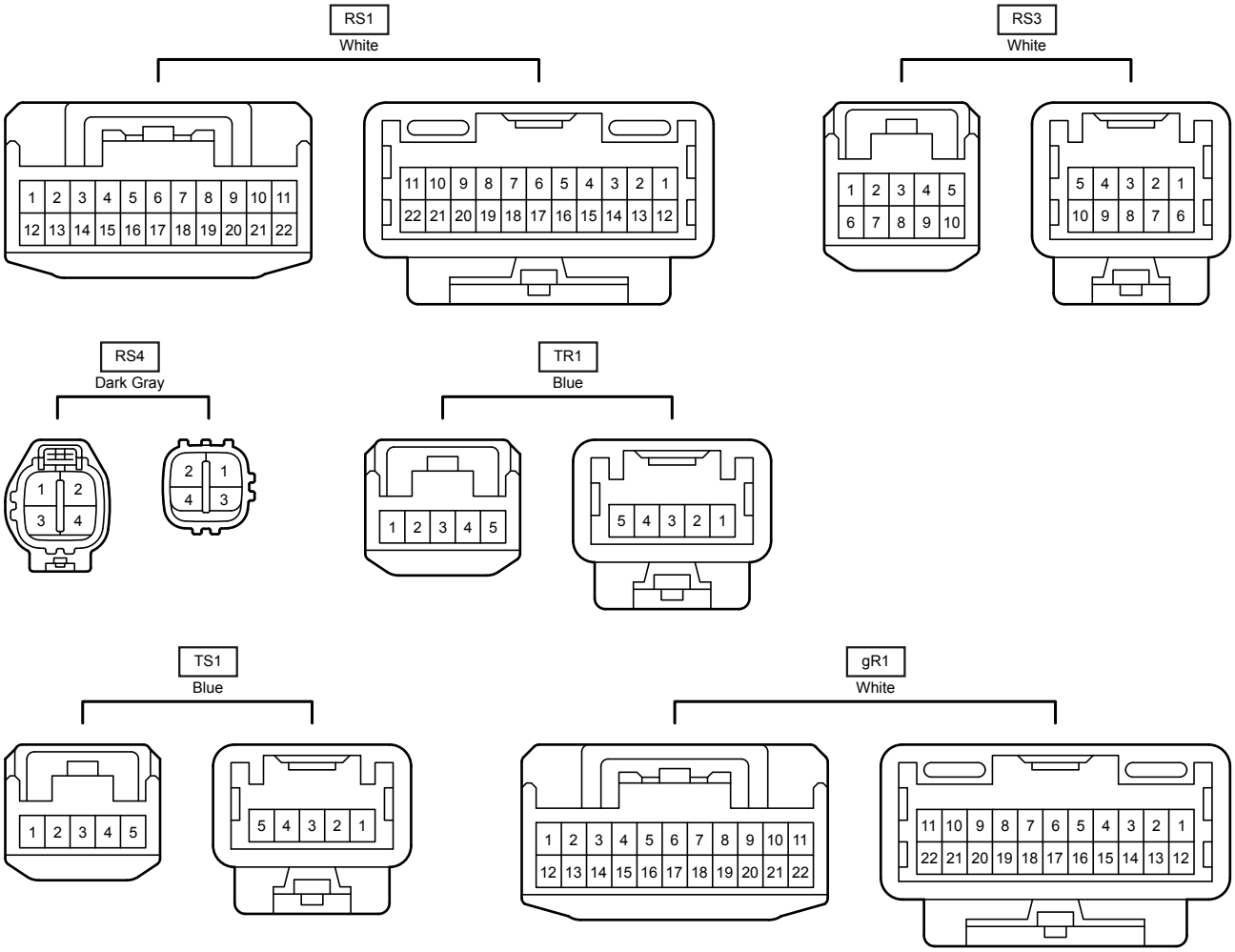


RL9
Blue

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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
RS3
White
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6
RS4
Dark Gray
1 2
3 4
2 1
4 3
TR1
Blue
1 2 3 4 5
5 4 3 2 1
TS1
Blue
1 2 3 4 5
5 4 3 2 1
gR1
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