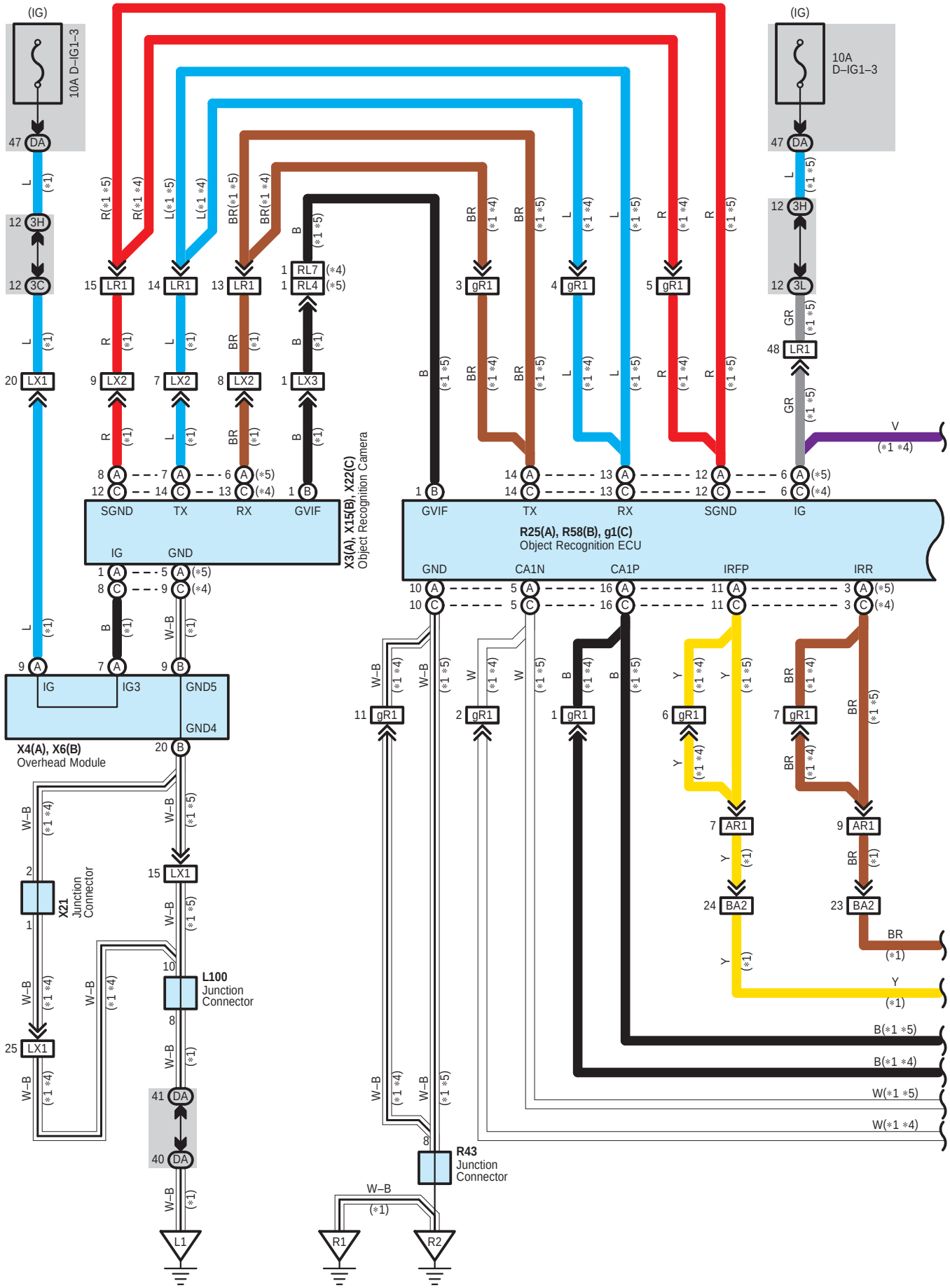
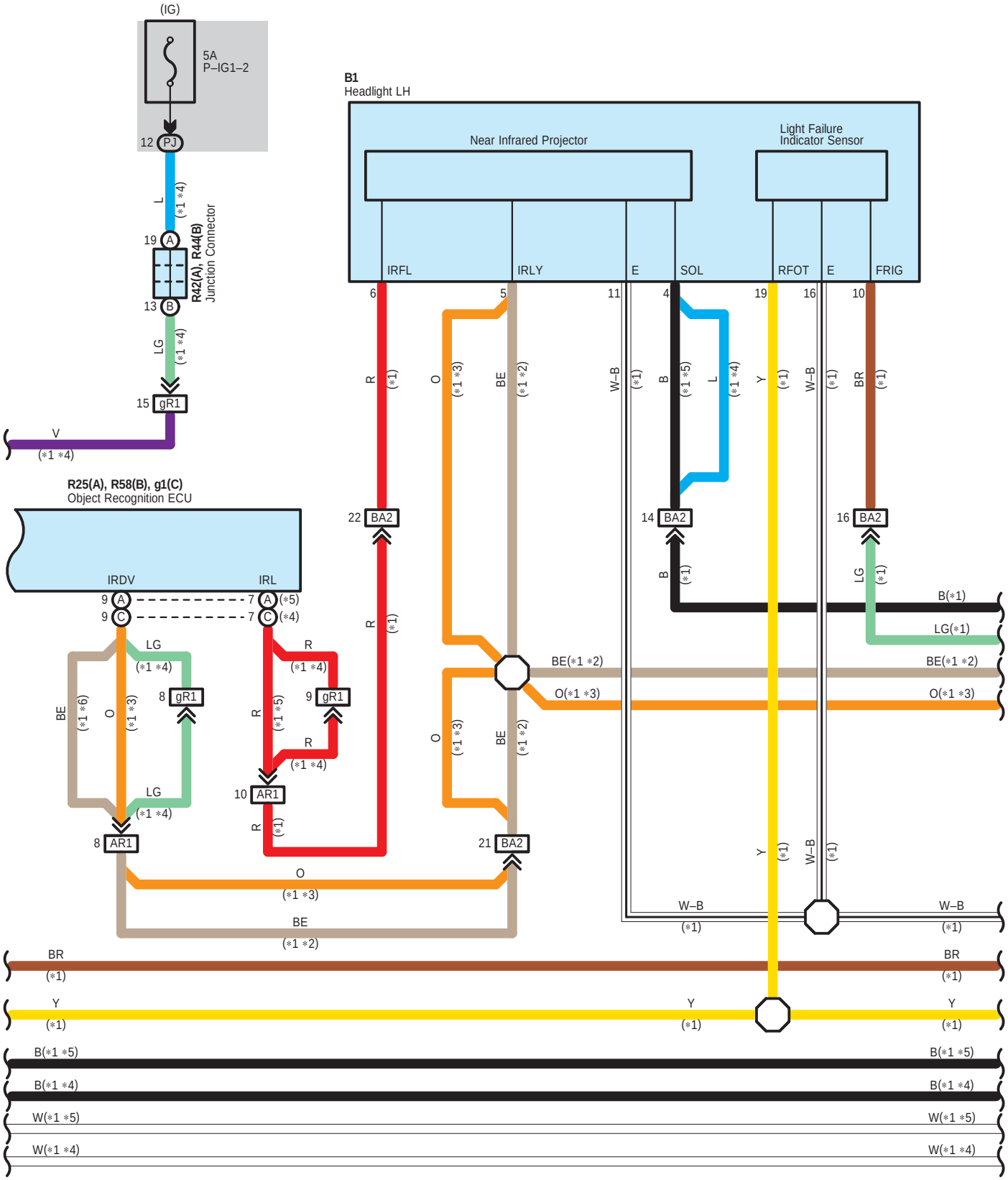
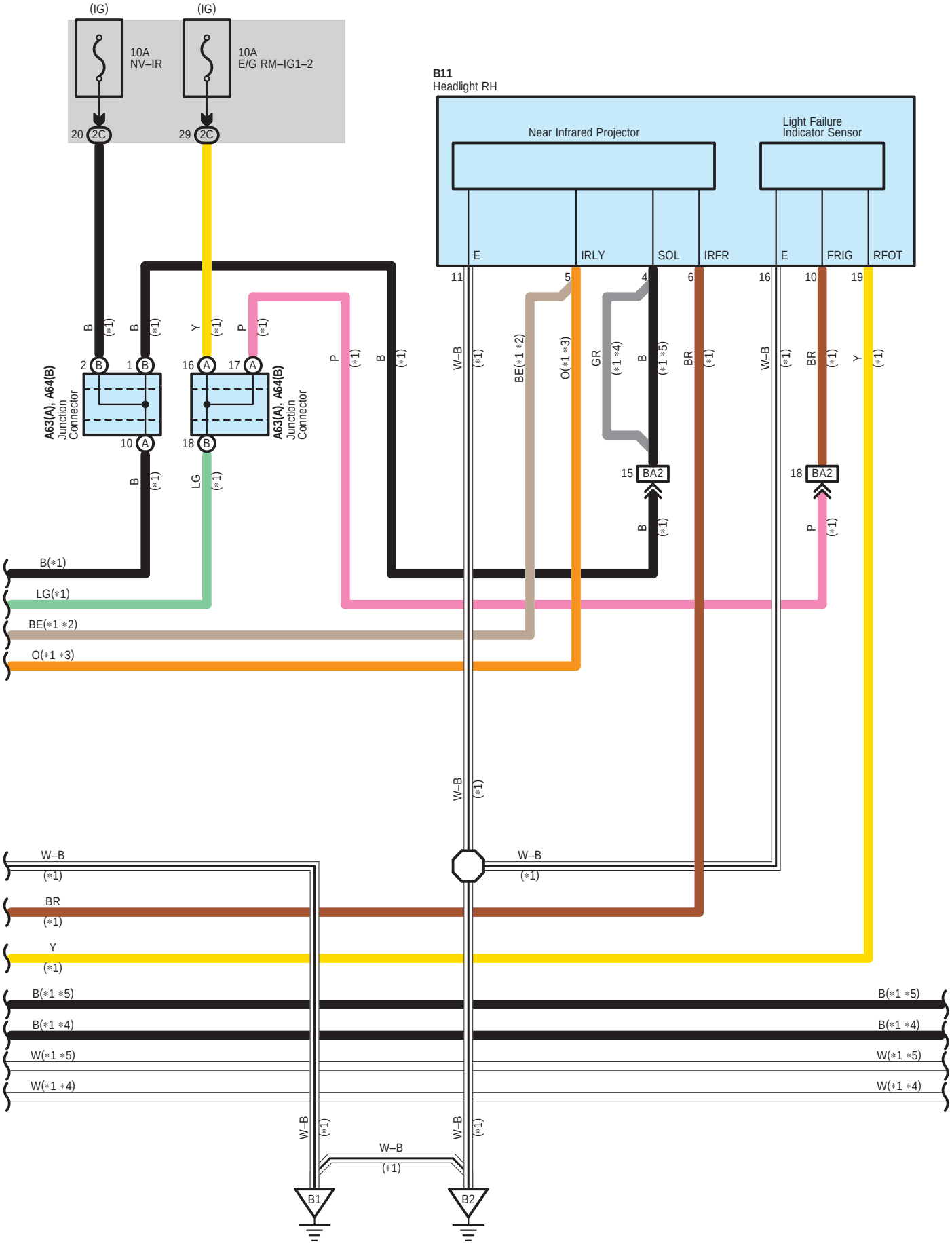
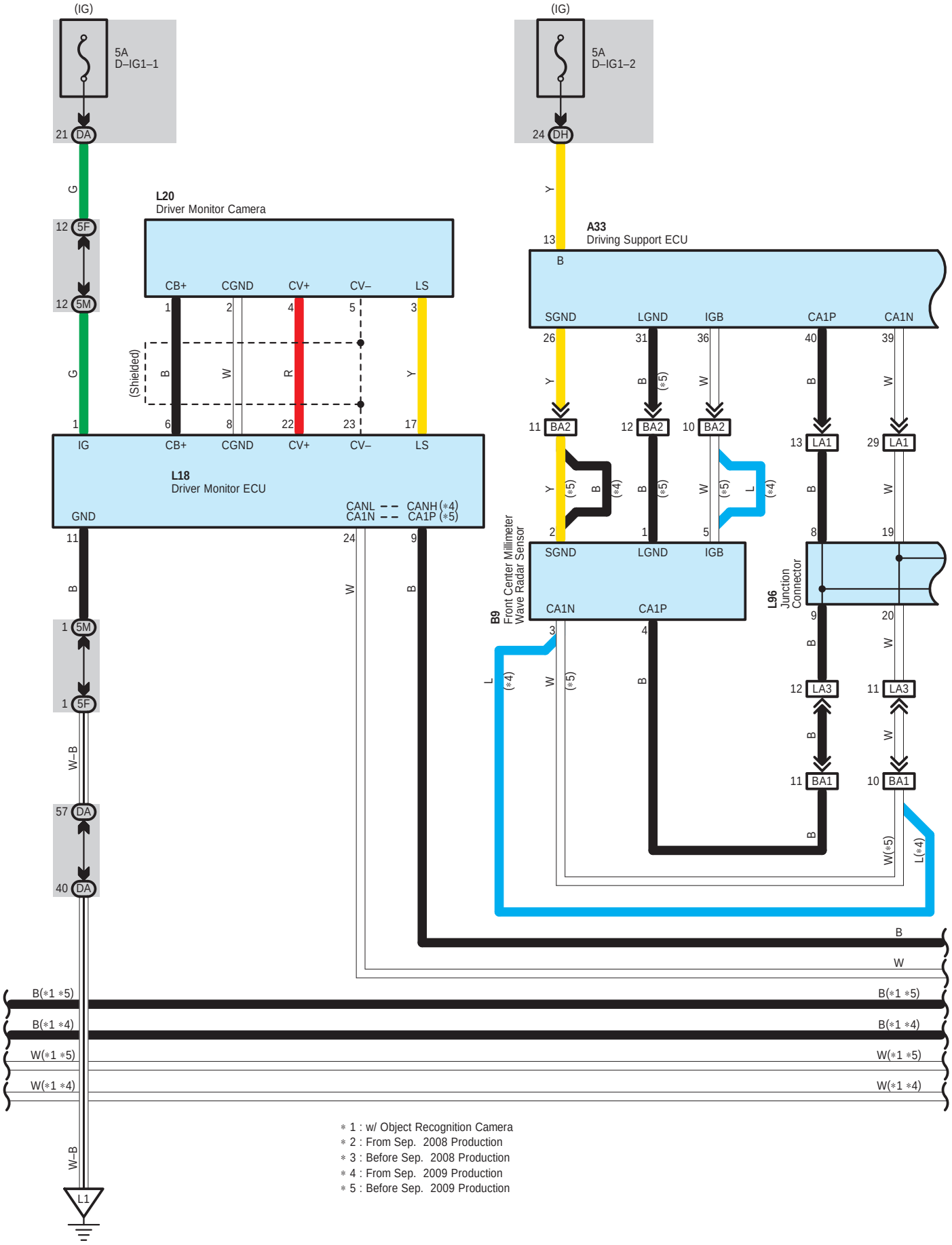

(IG)
10A D–IG1–3
47 DA
12 3H
12 3C
20 LX1
15 LR1
14 LR1
13 LR1
9 LX2
7 LX2
8 LX2
1 LX3
1 RL7 (*4)
1 RL4 (*5)
3 gR1
4 gR1
5 gR1
12 3L
48 LR1
SGND
TX
RX
GVIF
IG
GND
X3(A), X15(B), X22(C)
Object Recognition Camera
R25(A), R58(B), g1(C)
Object Recognition ECU
CA1N
CA1P
IRFP
IRR
IG3
GND5
GND4
X4(A), X6(B)
Overhead Module
X21
Junction Connector
15 LX1
L100
Junction Connector
25 LX1
41 DA
40 DA
L1
11 gR1
2 gR1
1 gR1
6 gR1
7 gR1
7 AR1
9 AR1
24 BA2
23 BA2
R43
Junction Connector
R1
R2
B(*1 *5)
B(*1 *4)
W(*1 *5)
W(*1 *4)



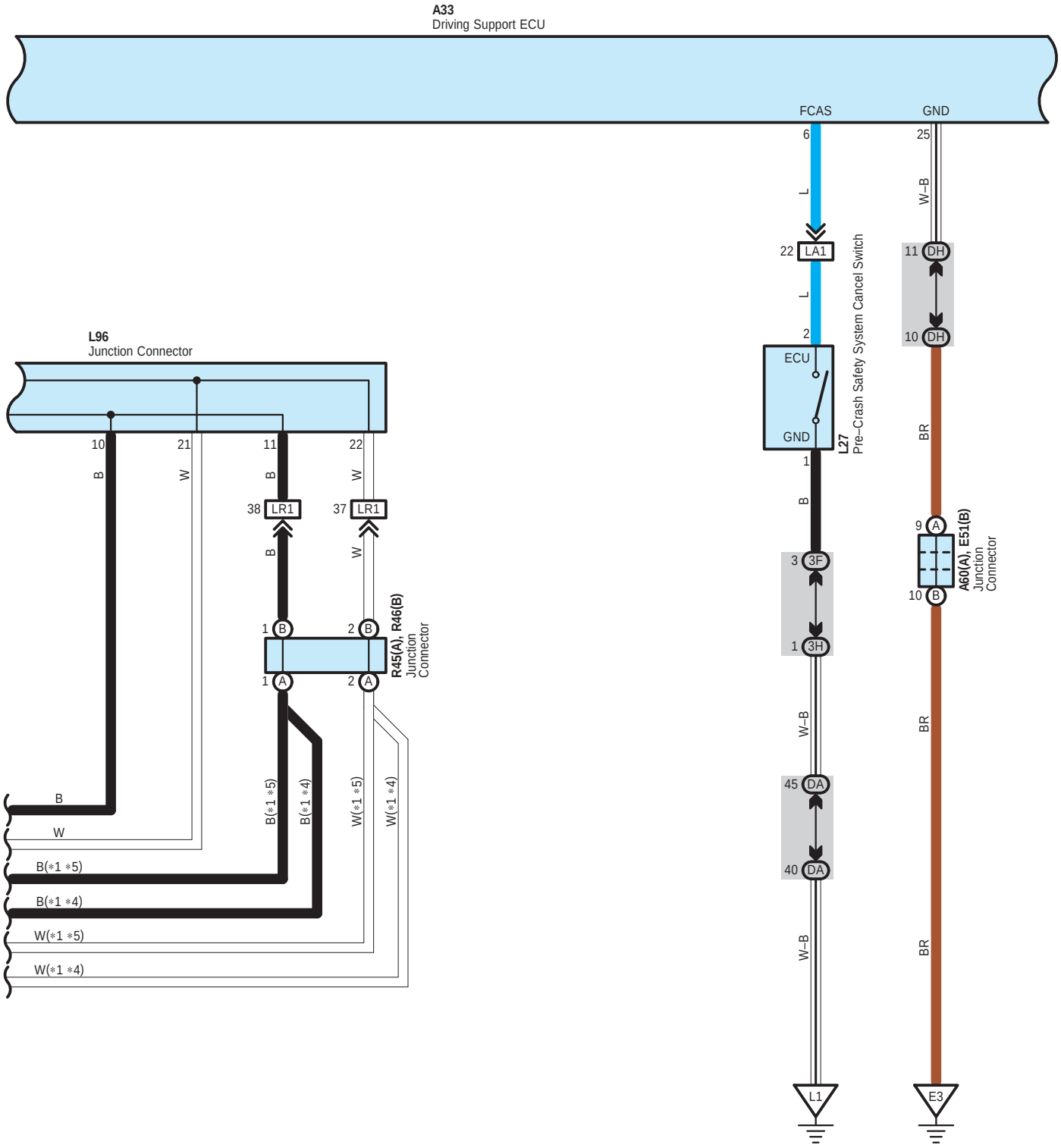
∗ 1 : w/ Object Recognition Camera
∗ 2 : From Sep. 2008 Production
∗ 3 : Before Sep. 2008 Production
∗ 4 : From Sep. 2009 Production
∗ 5 : Before Sep. 2009 Production
∗ 6 : From Sep. 2008 Production until Sep. 2009 Production

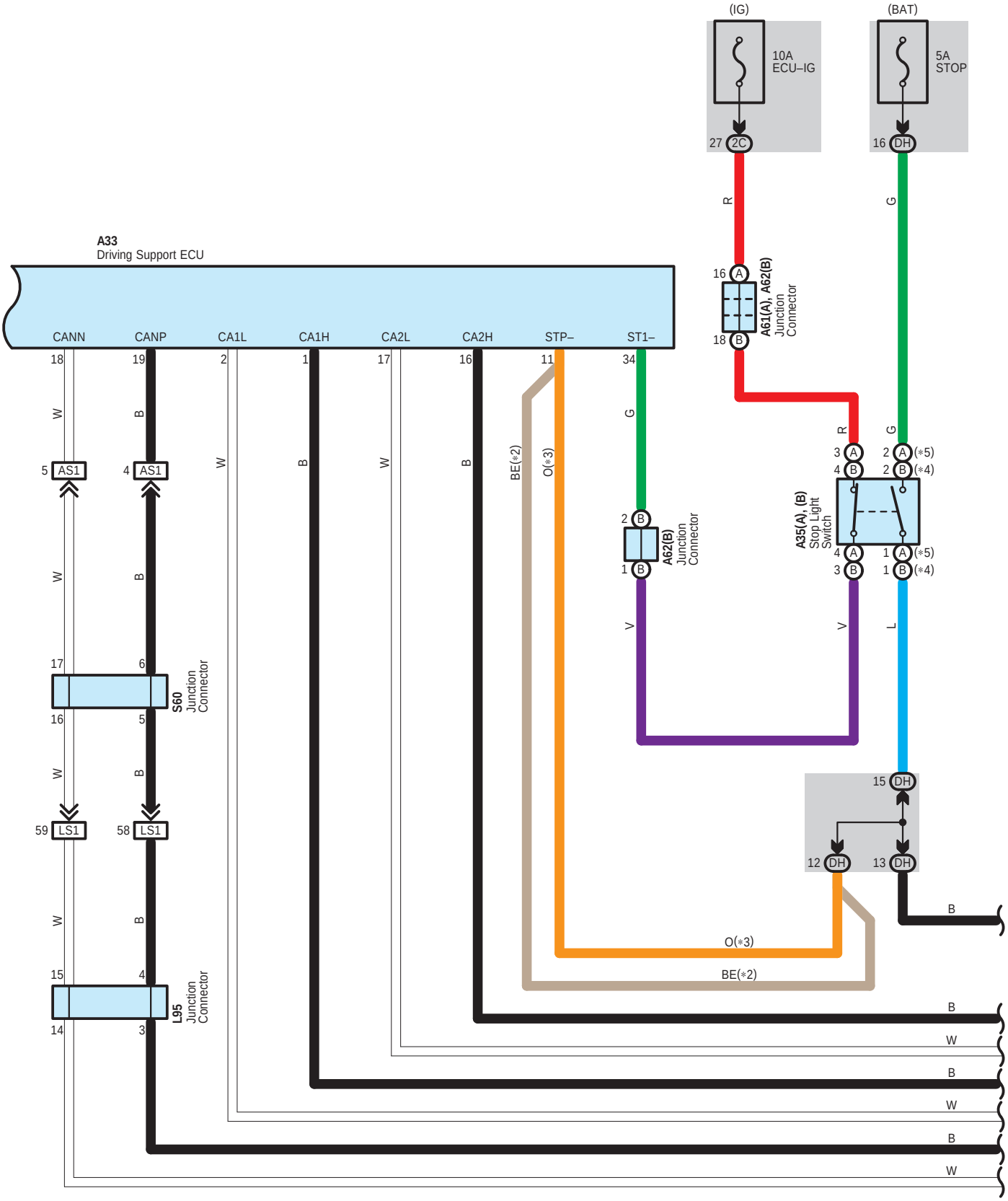

(IG)
10A
NV–IR
(IG)
10A
E/G RM–IG1–2
20 2C
29 2C
B11
Headlight RH
Near Infrared Projector
Light Failure
Indicator Sensor
E
IRLY
SOL
IRFR
E
FRIG
RFOT
11
5
4
6
16
10
19
A63(A), A64(B)
Junction
Connector
2 B
1 B
16 A
17 A
10 A
18 B
15 BA2
18 BA2
B(*1)
LG(*1)
BE(*1 *2)
O(*1 *3)
W–B
BR
Y
B(*1 *5)
B(*1 *4)
W(*1 *5)
W(*1 *4)
B1
B2

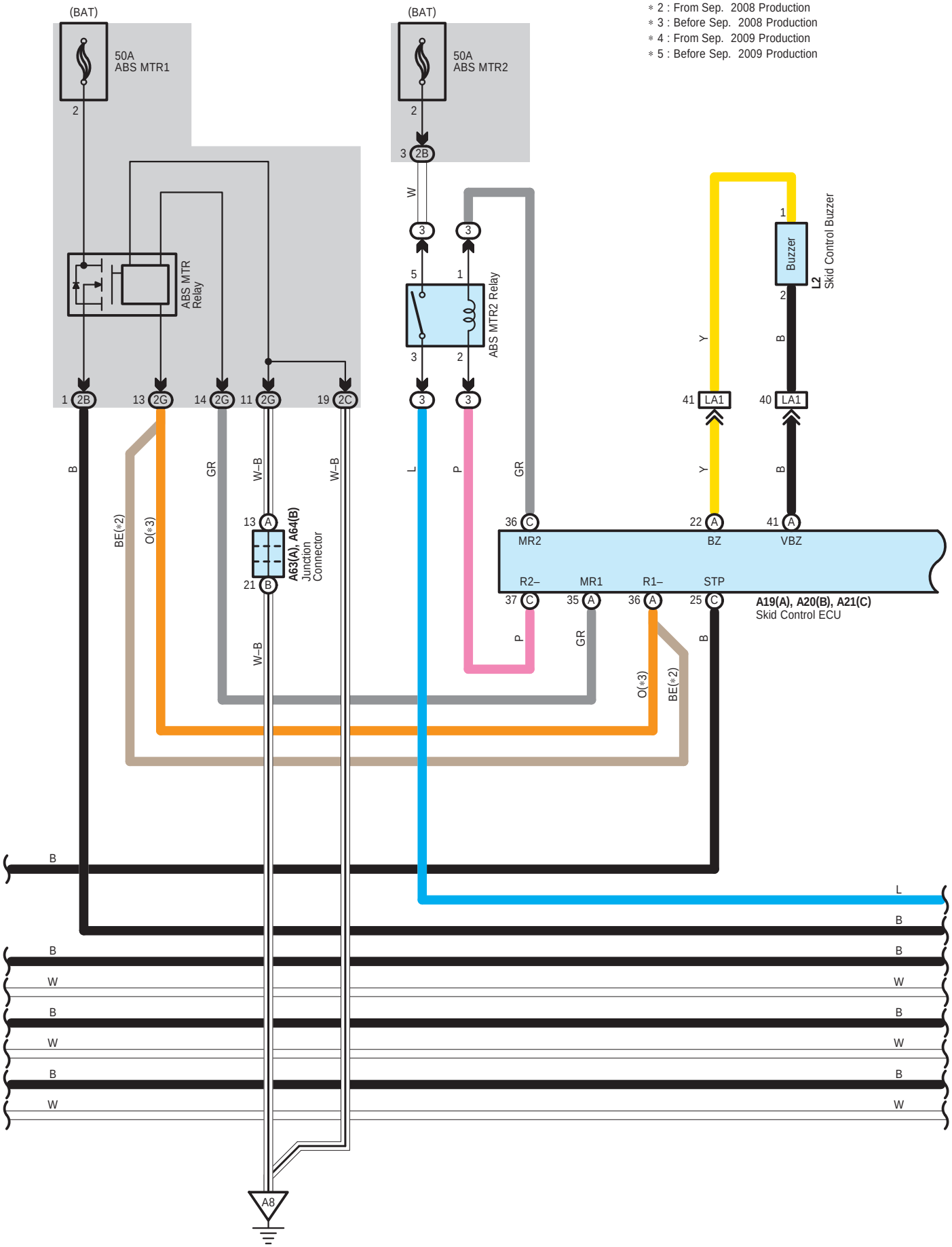


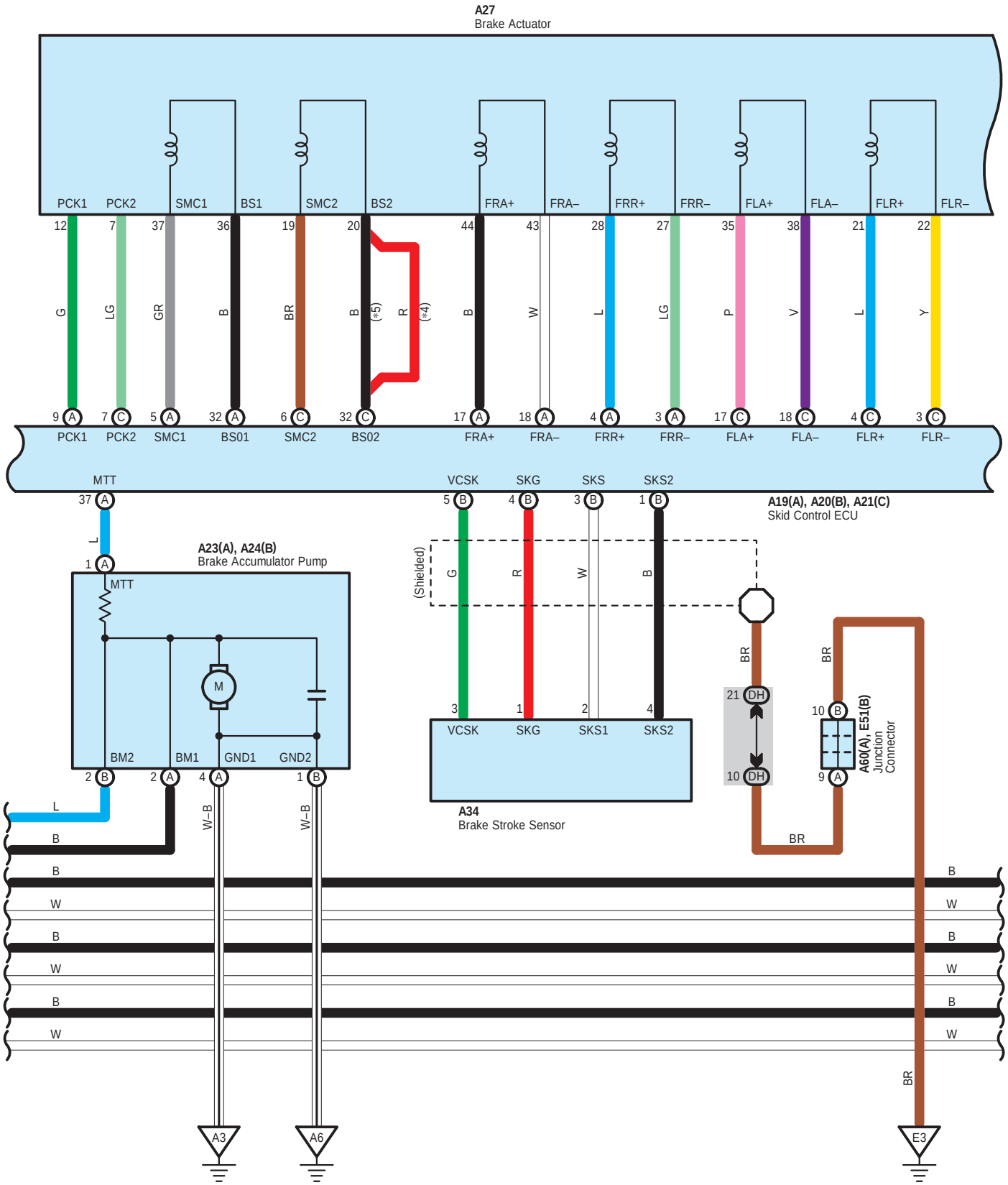
* 1 : w/ Object Recognition Camera
* 2 : From Sep. 2008 Production
* 3 : Before Sep. 2008 Production
* 4 : From Sep. 2009 Production
* 5 : Before Sep. 2009 Production

∗ 1 : w/ Object Recognition Camera
∗ 2 : From Sep. 2008 Production
∗ 3 : Before Sep. 2008 Production
∗ 4 : From Sep. 2009 Production
∗ 5 : Before Sep. 2009 Production

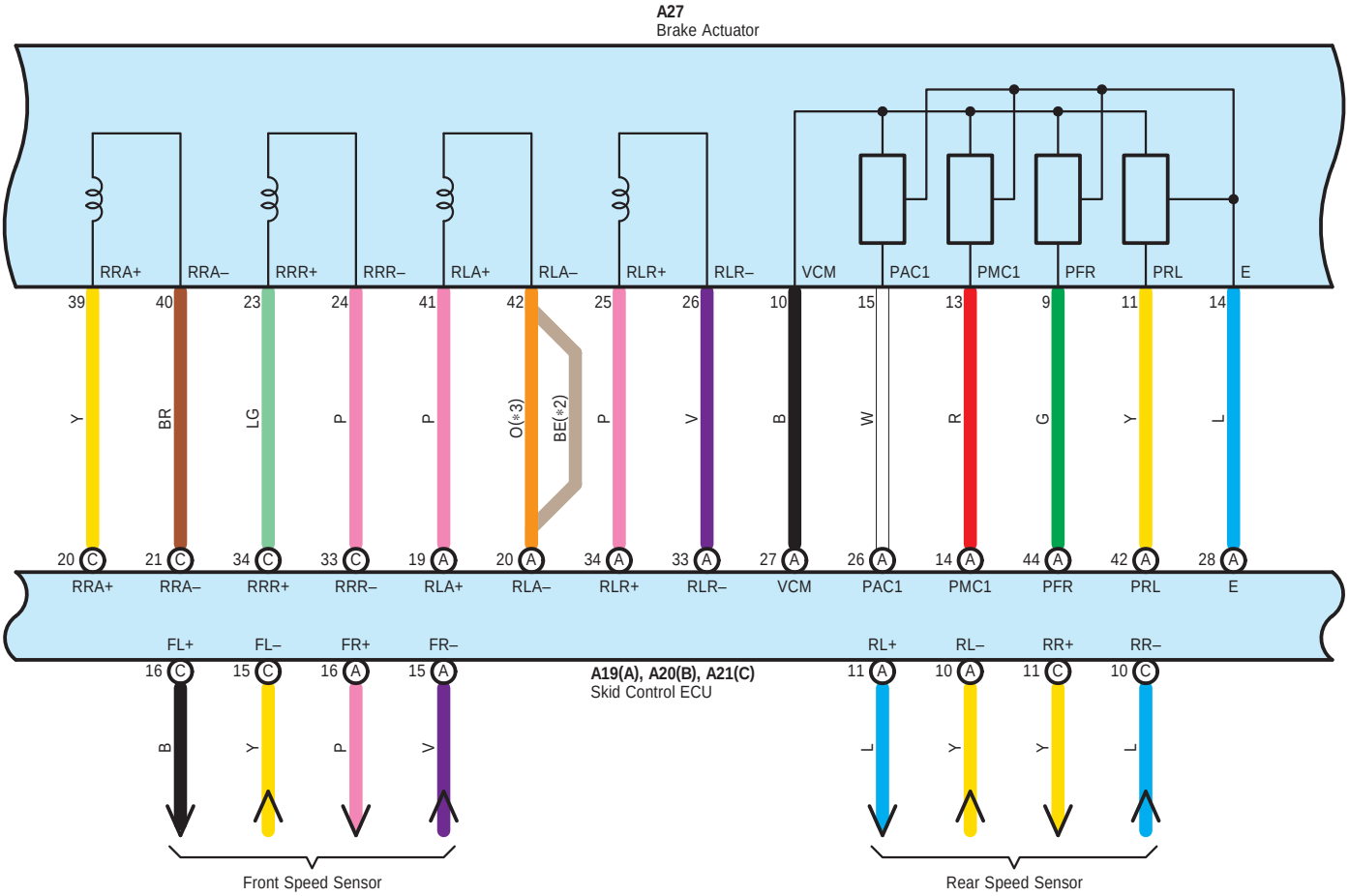


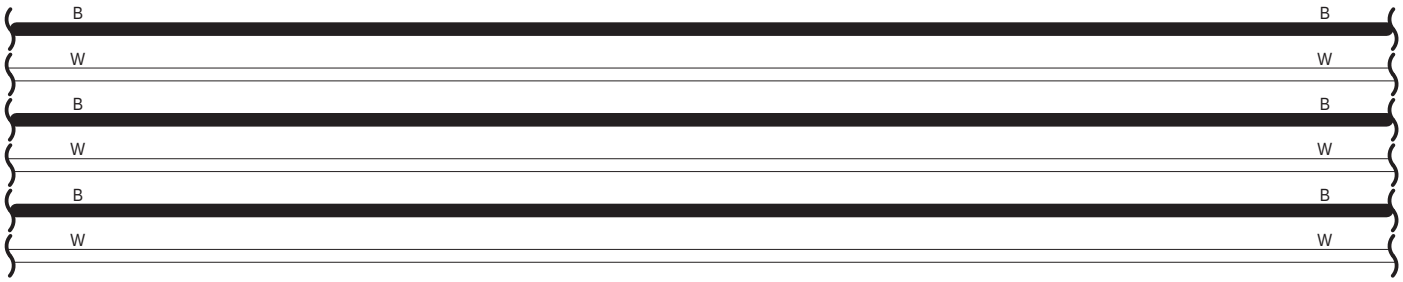

(IG)
10A
ECU–IG
27 2C
(BAT)
5A
STOP
16 DH
R
G
A33
Driving Support ECU
CANN
CANP
CA1L
CA1H
CA2L
CA2H
STP–
ST1–
16 A
18 B
A61(A), A62(B)
Junction
Connector
5 AS1
4 AS1
17
6
S60
Junction
Connector
16
5
59 LS1
58 LS1
15
4
L95
Junction
Connector
14
3
BE(*2)
O(*3)
2 B
1 B
A62(B)
Junction
Connector
A35(A), (B)
Stop Light
Switch
(*5)
(*4)
V
L
15 DH
12 DH
13 DH
B
W

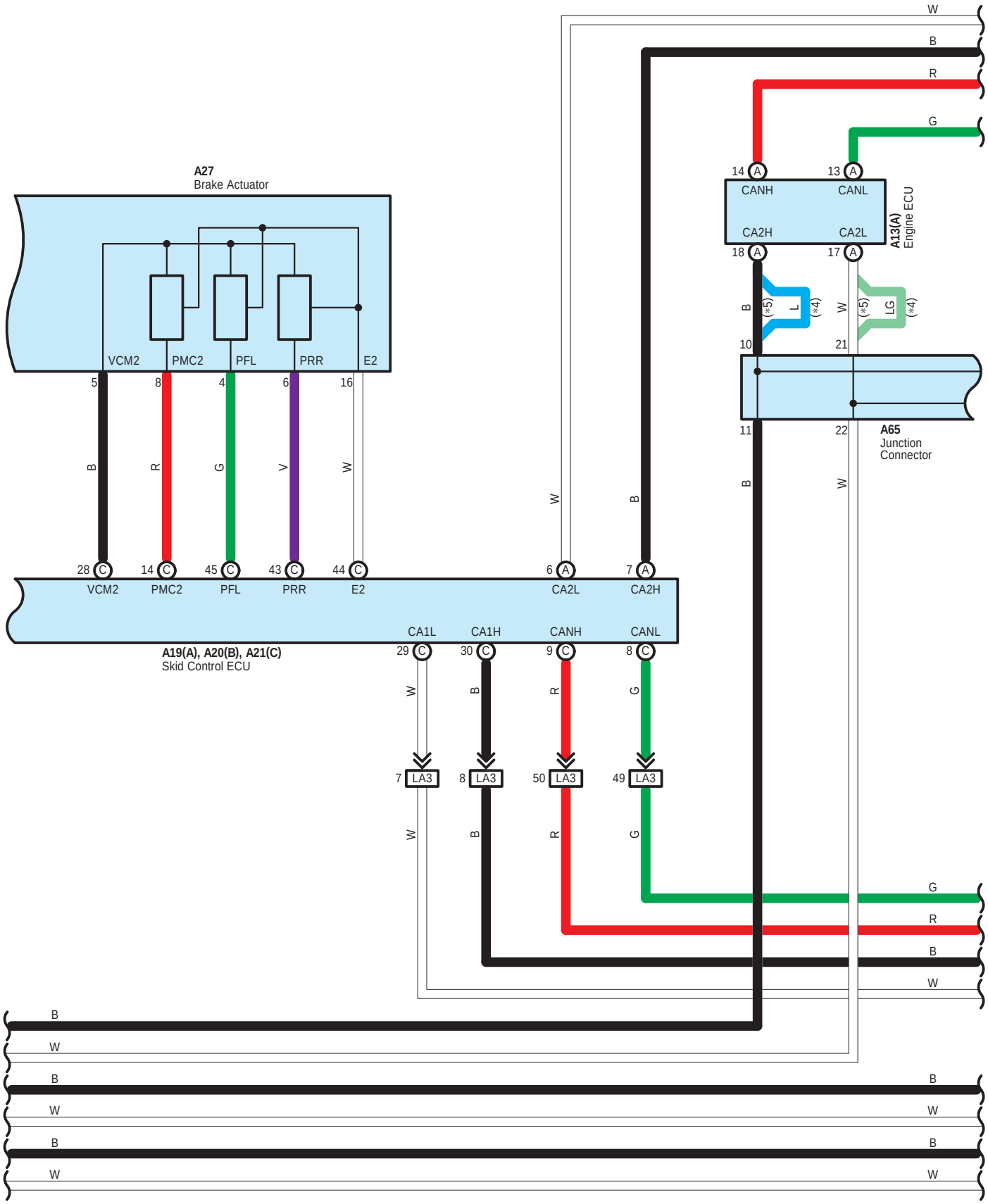

(BAT)
50A
ABS MTR1
2
ABS MTR
Relay
1 2B
13 2G
14 2G
11 2G
19 2C
B
BE(*2)
O(*3)
GR
W–B
W–B
W–B
13 A
21 B
A63(A), A64(B)
Junction
Connector
(BAT)
50A
ABS MTR2
2
3 2B
W
3
3
5
1
3
2
ABS MTR2 Relay
3
3
L
P
GR
36 C
MR2
R2–
37 C
P
MR1
35 A
GR
R1–
36 A
O(*3)
BE(*2)
STP
25 C
B
A19(A), A20(B), A21(C)
Skid Control ECU
Y
Y
41 LA1
22 A
BZ
1
Buzzer
2
L2
Skid Control Buzzer
B
B
40 LA1
41 A
VBZ
B
L
B
B
W
B
W
B
W
B
W
A8
* 2 : From Sep. 2008 Production
* 3 : Before Sep. 2008 Production
* 4 : From Sep. 2009 Production
* 5 : Before Sep. 2009 Production

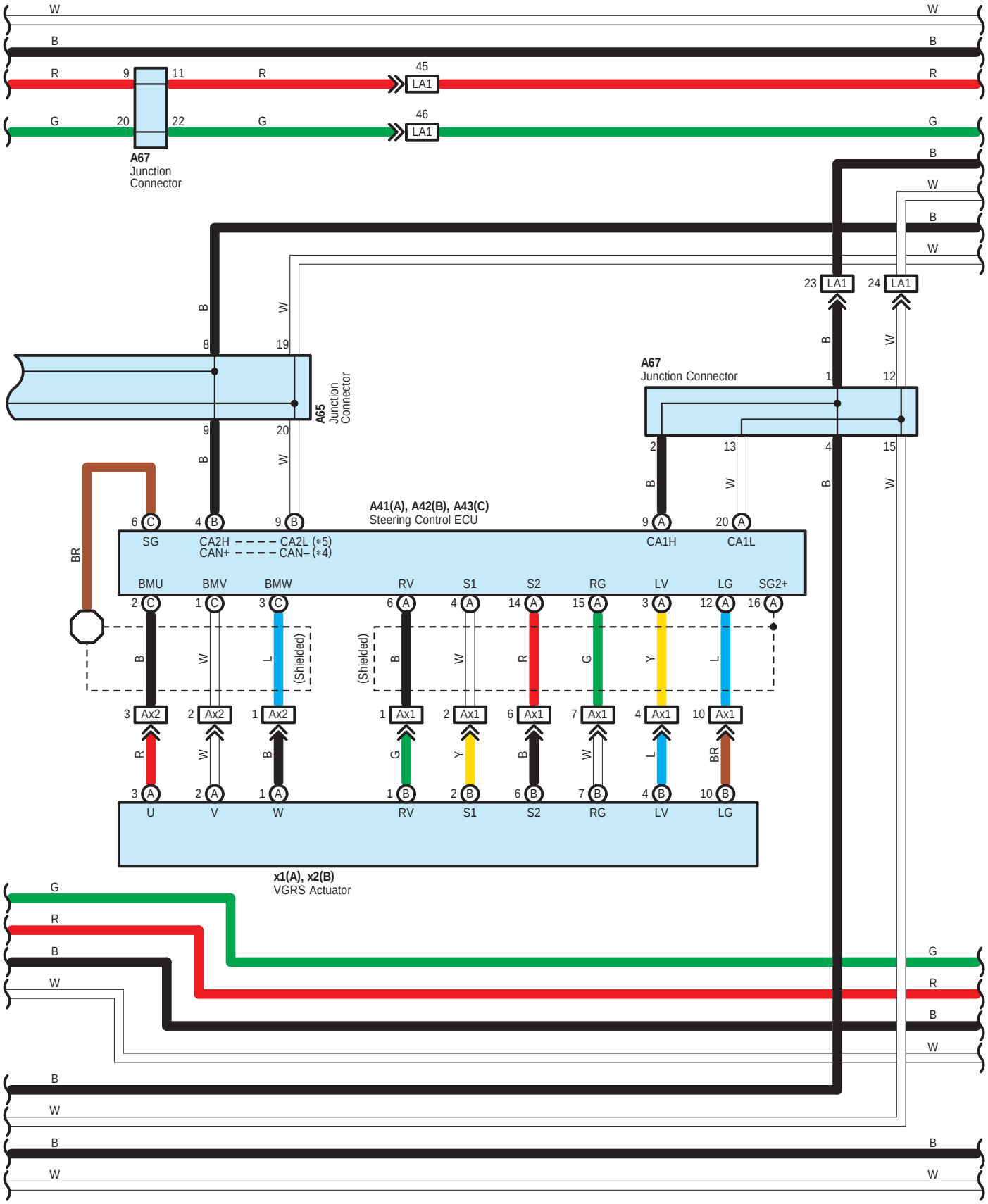

A27
Brake Actuator
PCK1
PCK2
SMC1
BS1
SMC2
BS2
FRA+
FRA–
FRR+
FRR–
FLA+
FLA–
FLR+
FLR–
12
7
37
36
19
20
44
43
28
27
35
38
21
22
G
LG
GR
B
BR
B
(*5)
R
(*4)
B
W
L
LG
P
V
L
Y
9 A
7 C
5 A
32 A
6 C
32 C
17 A
18 A
4 A
3 A
17 C
18 C
4 C
3 C
PCK1
PCK2
SMC1
BS01
SMC2
BS02
FRA+
FRA–
FRR+
FRR–
FLA+
FLA–
FLR+
FLR–
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
BM2
BM1
GND1
GND2
2 B
2 A
4 A
1 B
(Shielded)
G
R
W
B
3
1
2
4
VCSK
SKG
SKS1
SKS2
A34
Brake Stroke Sensor
BR
BR
21 DH
10 DH
10 B
9 A
A60(A), E51(B)
Junction
Connector
BR
L
B
W–B
W–B
B
W
B
W
B
W
B
W
B
W
BR
A3
A6
E3

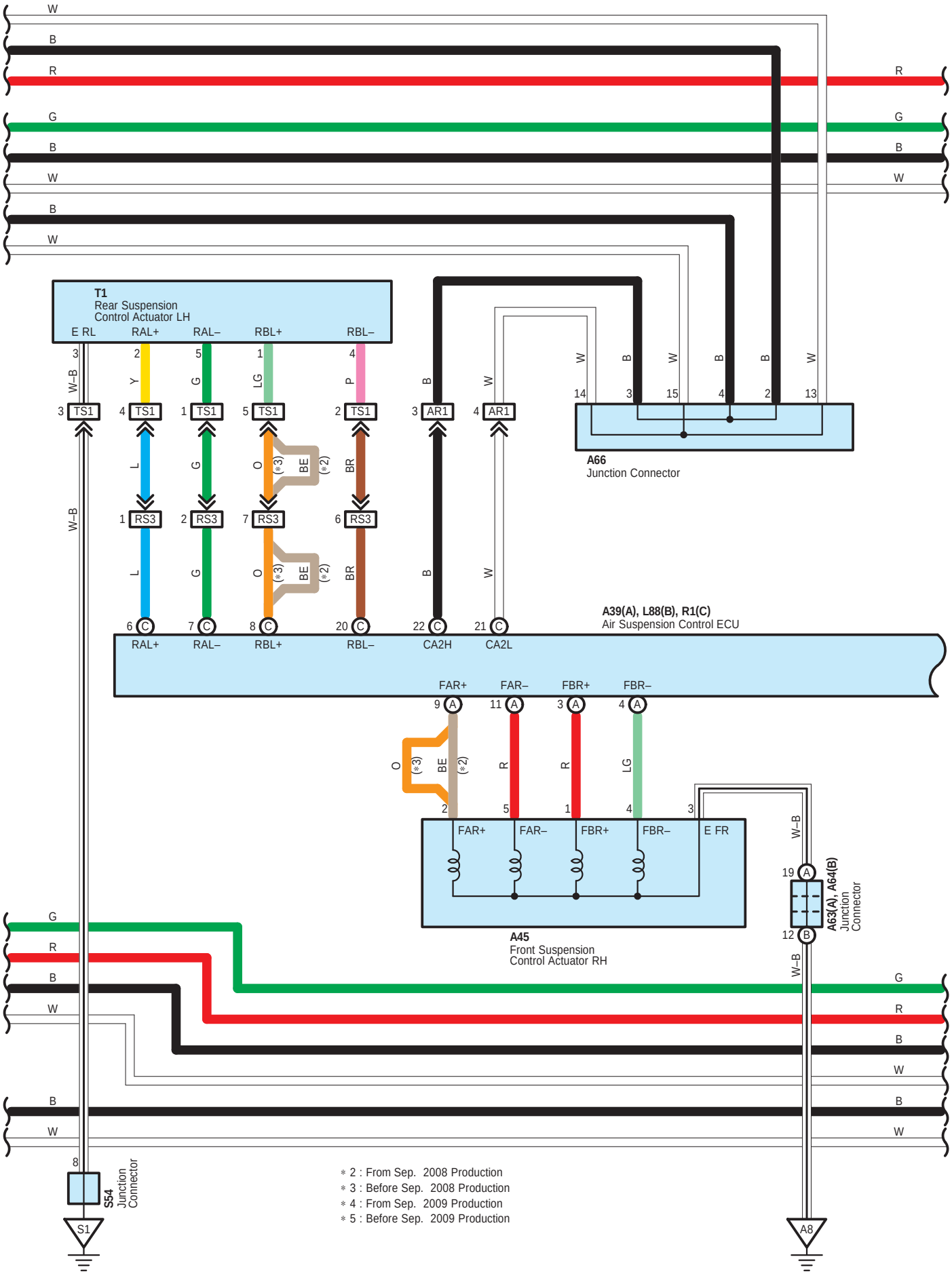
∗ 2 : From Sep. 2008 Production
∗ 3 : Before Sep. 2008 Production
∗ 4 : From Sep. 2009 Production
∗ 5 : Before Sep. 2009 Production



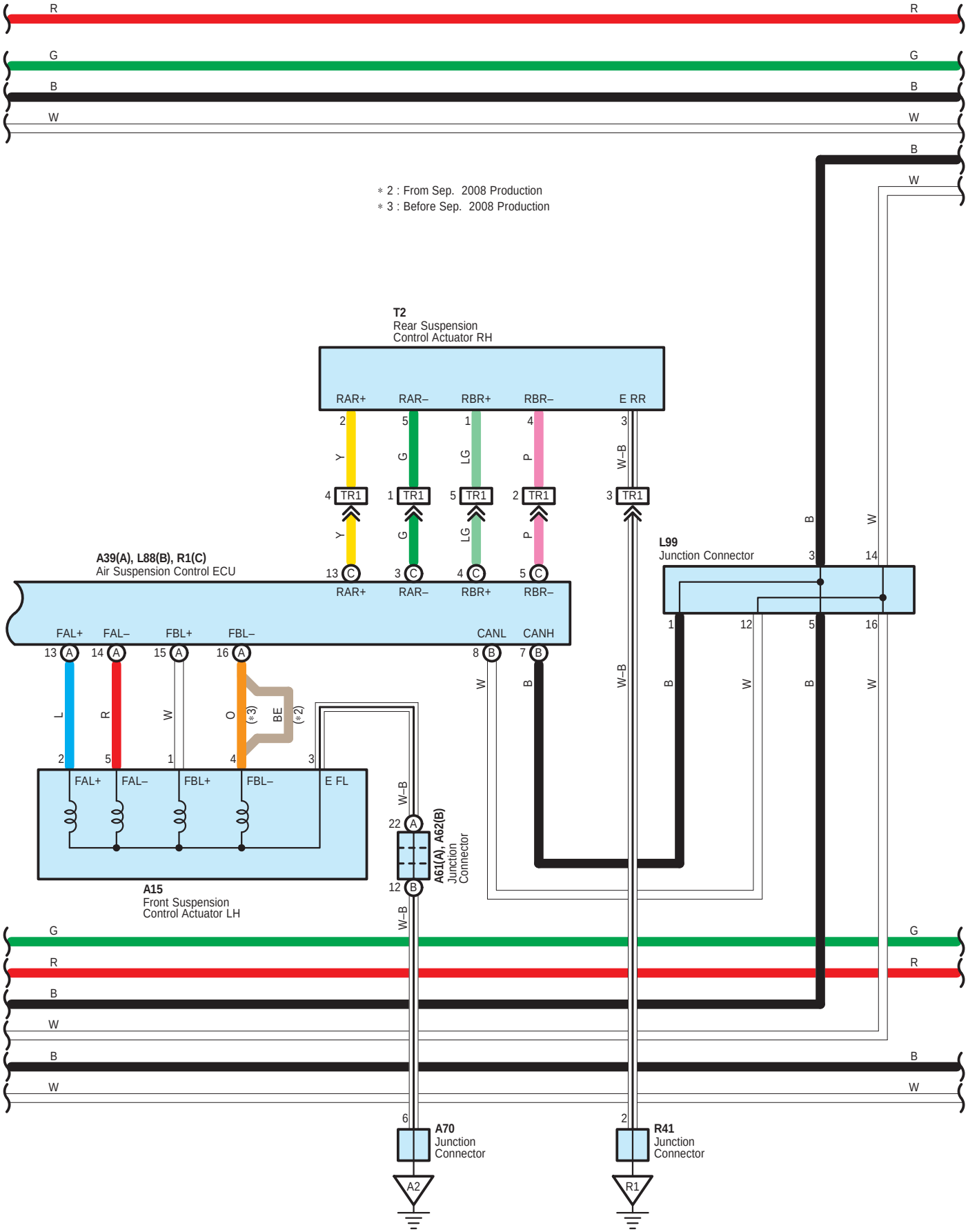


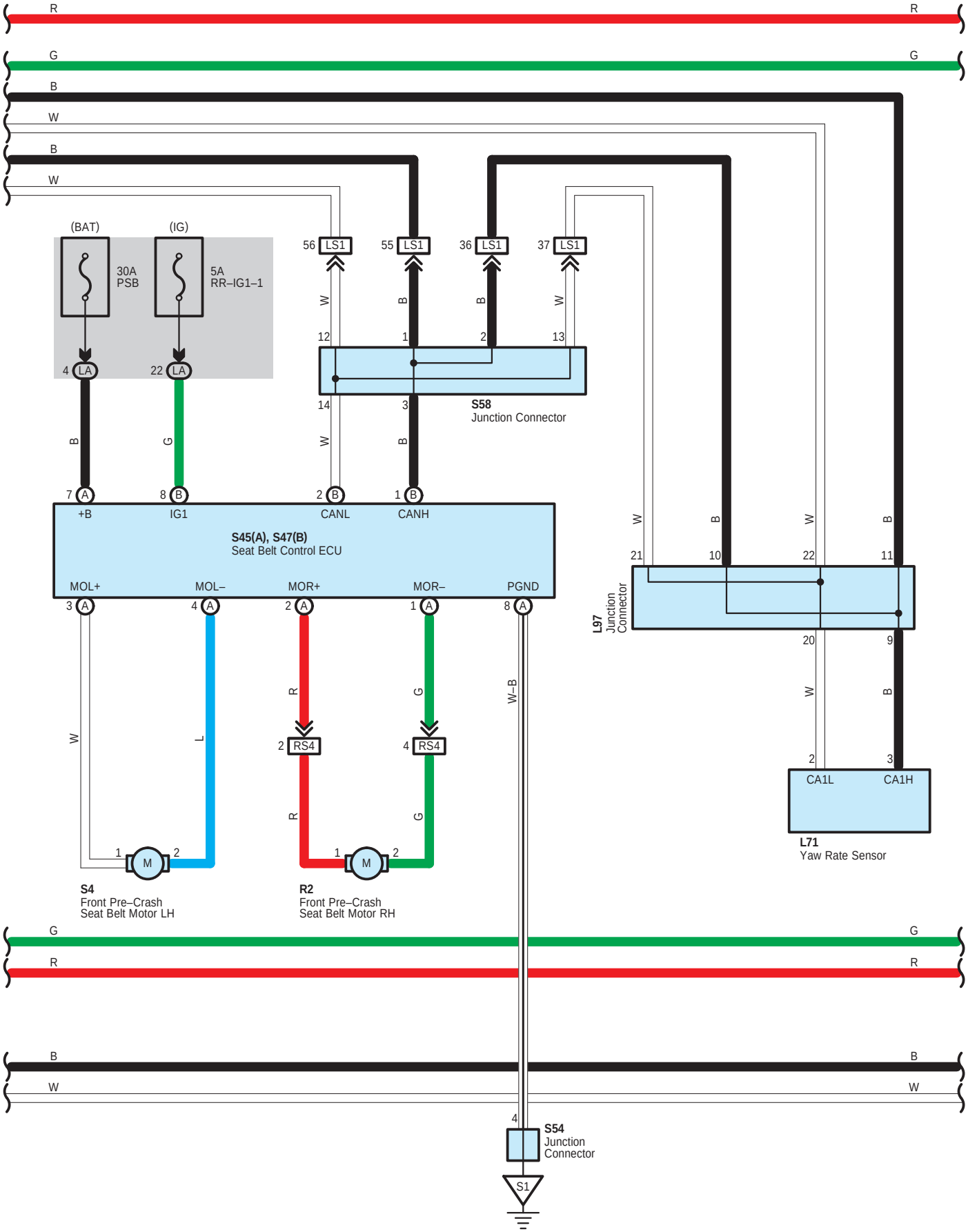

A27
Brake Actuator
VCM2
PMC2
PFL
PRR
E2
5
8
4
6
16
B
R
G
V
W
28 C
14 C
45 C
43 C
44 C
VCM2
PMC2
PFL
PRR
E2
6 A
7 A
CA2L
CA2H
A19(A), A20(B), A21(C)
Skid Control ECU
CA1L
CA1H
CANH
CANL
29 C
30 C
9 C
8 C
7 LA3
8 LA3
50 LA3
49 LA3
14 A
13 A
CANH
CANL
CA2H
CA2L
18 A
17 A
A13(A)
Engine ECU
(*5)
(*4)
L
LG
10
21
11
22
A65
Junction
Connector
W
B
R
G

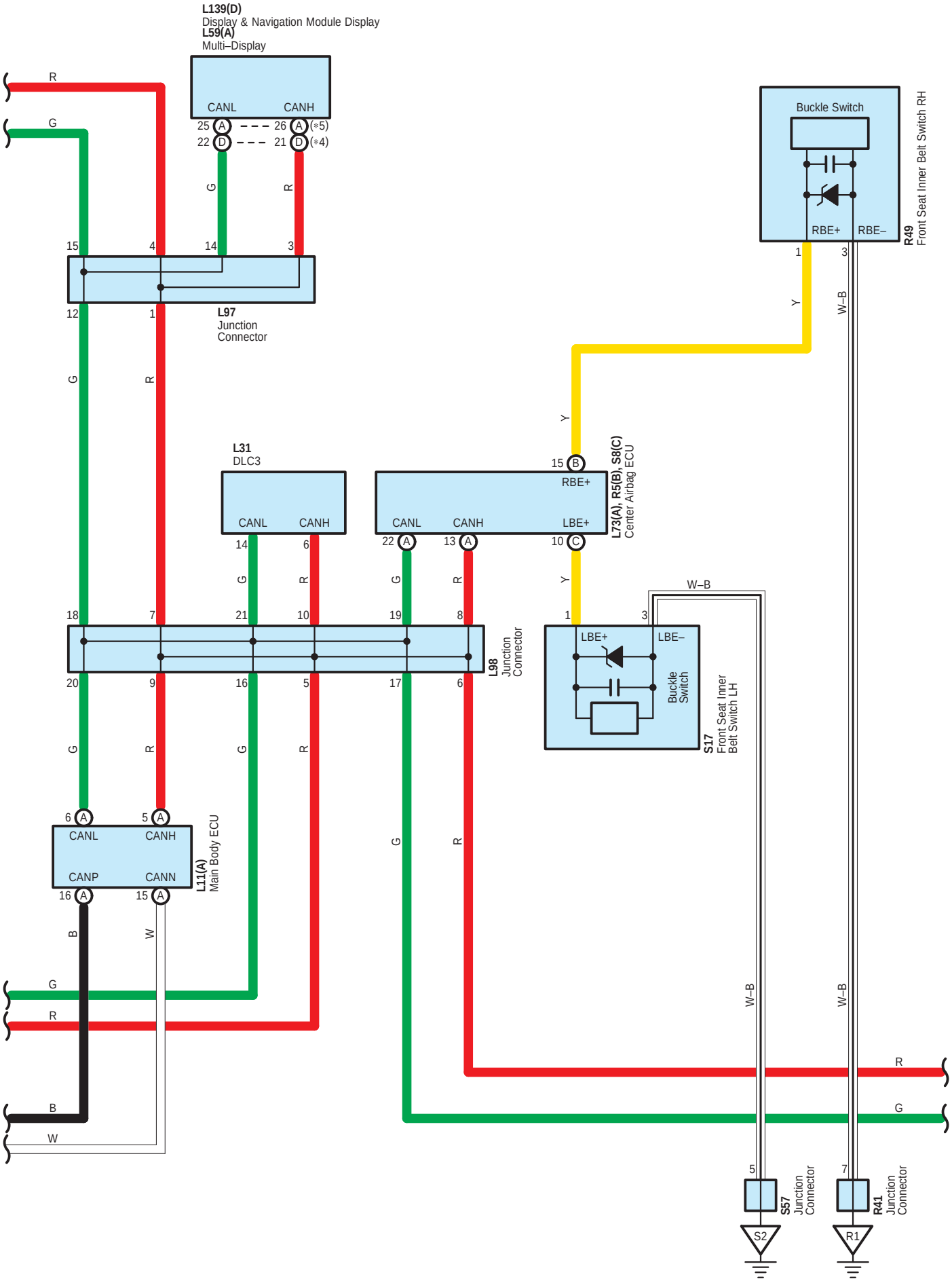

A67
Junction
Connector
A65
Junction
Connector
A67
Junction Connector
A41(A), A42(B), A43(C)
Steering Control ECU
SG
CA2H
CAN+
CA2L (*5)
CAN– (*4)
CA1H
CA1L
BMU
BMV
BMW
RV
S1
S2
RG
LV
LG
SG2+
(Shielded)
x1(A), x2(B)
VGRS Actuator
U
V
W
RV
S1
S2
RG
LV
LG

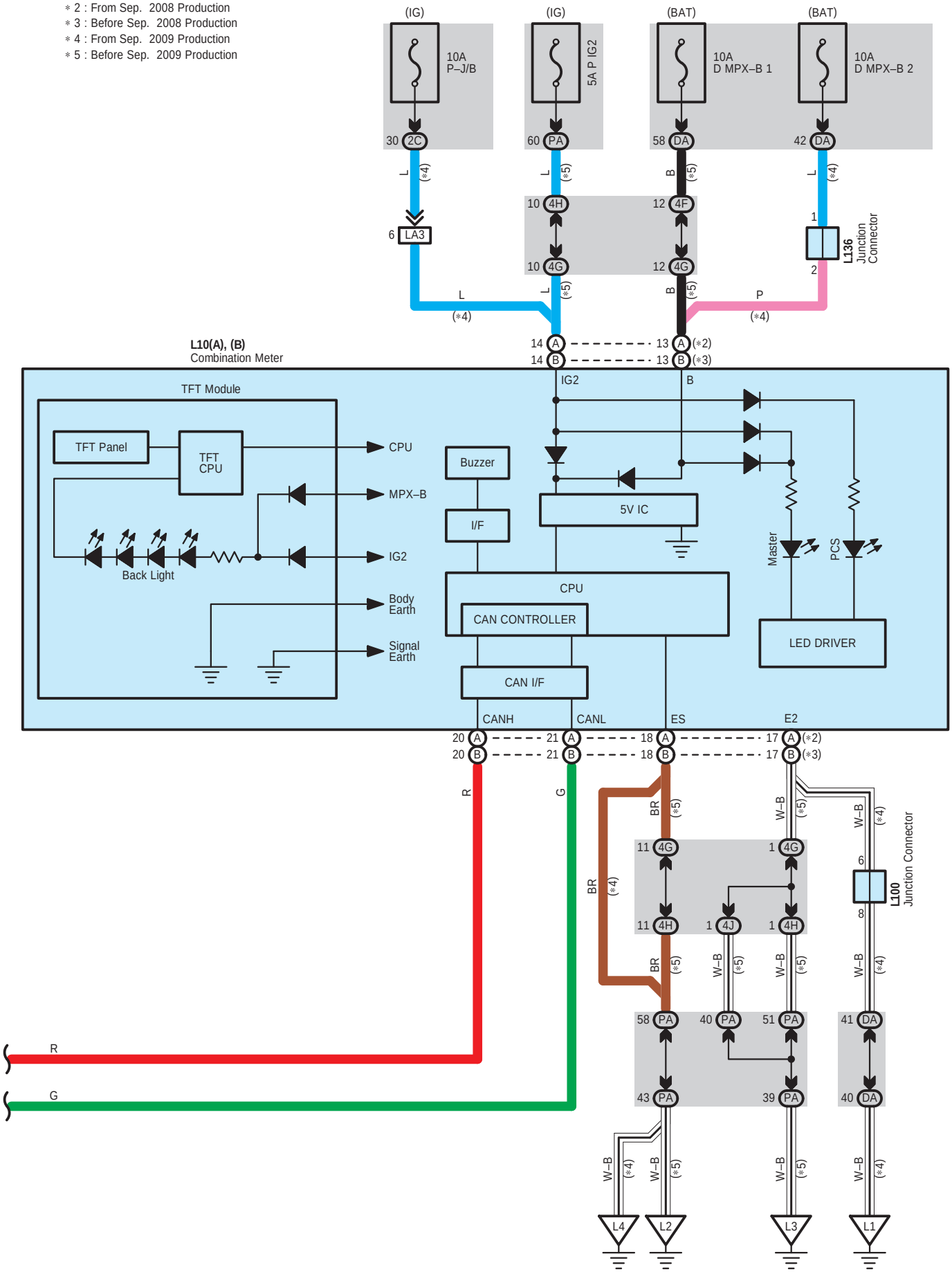


* 2 : From Sep. 2008 Production
* 3 : Before Sep. 2008 Production
* 4 : From Sep. 2009 Production
* 5 : Before Sep. 2009 Production

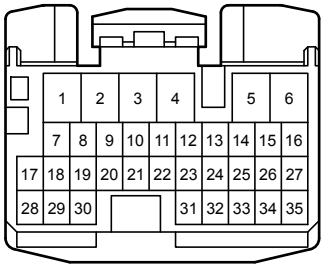

R
G
B
W
＊2 : From Sep. 2008 Production
＊3 : Before Sep. 2008 Production
T2
Rear Suspension
Control Actuator RH
RAR+
RAR–
RBR+
RBR–
E RR
TR1
A39(A), L88(B), R1(C)
Air Suspension Control ECU
FAL+
FAL–
FBL+
FBL–
CANL
CANH
E FL
A15
Front Suspension
Control Actuator LH
L99
Junction Connector
A61(A), A62(B)
Junction
Connector
A70
Junction
Connector
R41
Junction
Connector
A2
R1


R
G
B
W
(BAT)
(IG)
30A
PSB
5A
RR–IG1–1
4 LA
22 LA
56 LS1
55 LS1
36 LS1
37 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
M
S4
Front Pre–Crash
Seat Belt Motor LH
R2
Front Pre–Crash
Seat Belt Motor RH
L97
Junction
Connector
21
10
22
11
20
9
2
3
CA1L
CA1H
L71
Yaw Rate Sensor
W–B
L
4
S54
Junction
Connector
S1

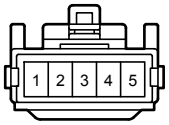

L139(D)
Display & Navigation Module Display
L59(A)
Multi–Display
CANL
CANH
25 A
26 A (*5)
22 D
21 D (*4)
Buckle Switch
RBE+
RBE–
R49
Front Seat Inner Belt Switch RH
L97
Junction Connector
L31
DLC3
L73(A), R5(B), S8(C)
Center Airbag ECU
LBE+
L98
Junction Connector
LBE–
Buckle Switch
S17
Front Seat Inner Belt Switch LH
CANP
CANN
L11(A)
Main Body ECU
S57
Junction Connector
R41
Junction Connector
S2
R1
W–B


∗2 : From Sep. 2008 Production
∗3 : Before Sep. 2008 Production
∗4 : From Sep. 2009 Production
∗5 : Before Sep. 2009 Production
(IG)
(IG)
(BAT)
(BAT)
10A P–J/B
5A P IG2
10A D MPX–B 1
10A D MPX–B 2
30 2C
60 PA
58 DA
42 DA
6 LA3
10 4H
10 4G
12 4F
12 4G
L136 Junction Connector
L10(A), (B) Combination Meter
14 A
14 B
13 A (∗2)
13 B (∗3)
IG2
B
TFT Module
TFT Panel
TFT CPU
CPU
MPX–B
IG2
Back Light
Body Earth
Signal Earth
Buzzer
I/F
5V IC
CPU
CAN CONTROLLER
CAN I/F
Master
PCS
LED DRIVER
CANH
CANL
ES
E2
20 A
20 B
21 A
21 B
18 A
18 B
17 A (∗2)
17 B (∗3)
R
G
11 4G
11 4H
1 4J
1 4H
1 4G
58 PA
40 PA
51 PA
43 PA
39 PA
41 DA
40 DA
L100 Junction Connector
L4
L2
L3
L1

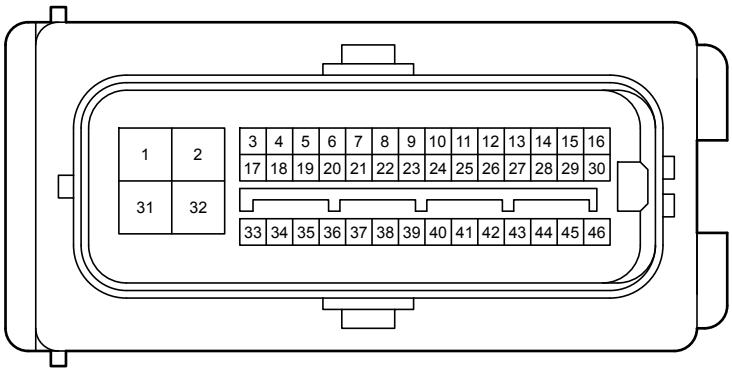
A 13
White



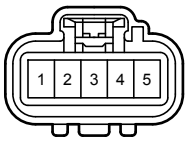
A 15
Black



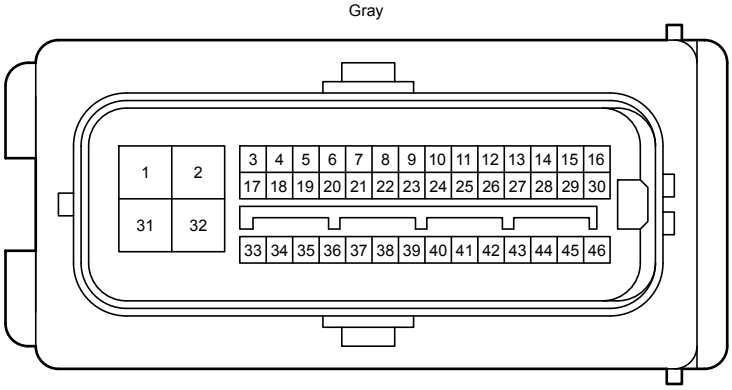
A 19
Black



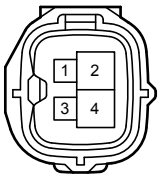
A 20
Black



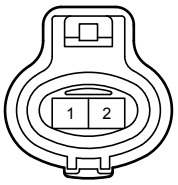
A 21
Gray



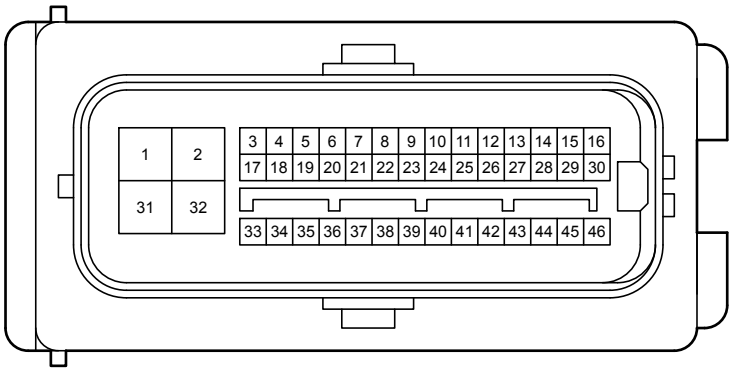
A 23
Black



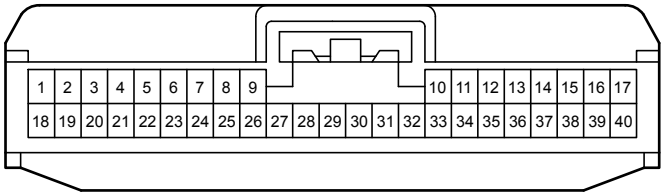
A 24
Black



A 27
Black

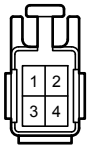


A 33
White

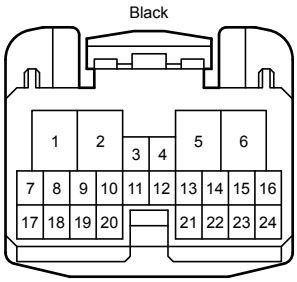


A 34
Black

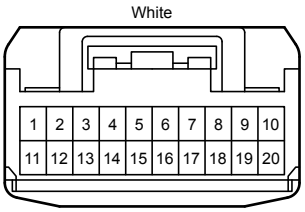
A 35
Green



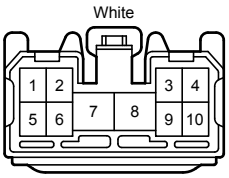
A 39
Black



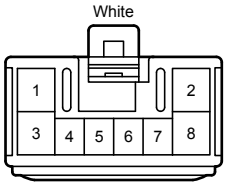
A 41
White



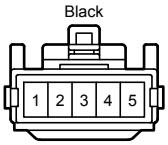
A 42
White



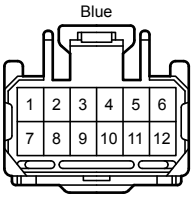
A 43
White



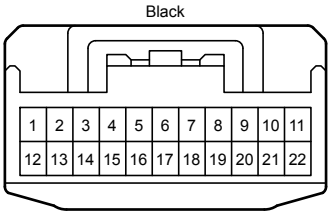
A 45
Black



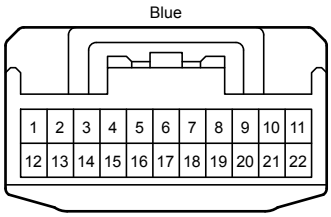
A 60
Blue



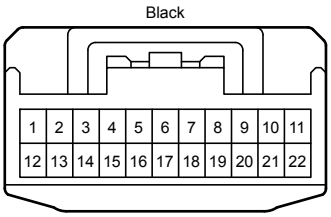
A 61
Black



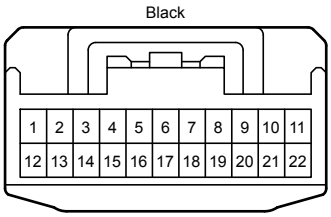
A 62
Blue



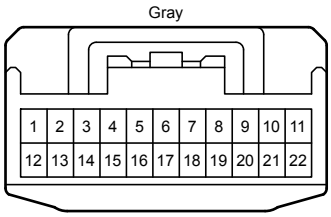
A 63
Black



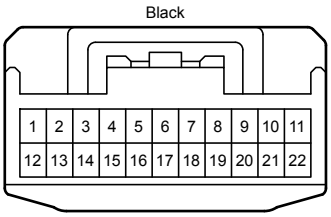
A 64
Black



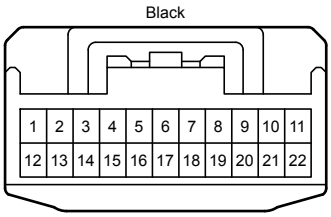
A 65
Gray



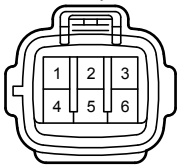
A 66
Black



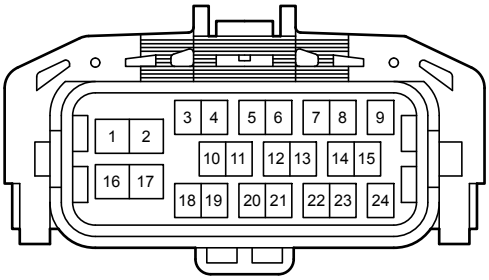
A 67
Black



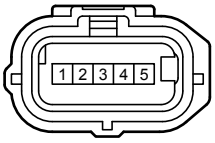
A 70
Gray



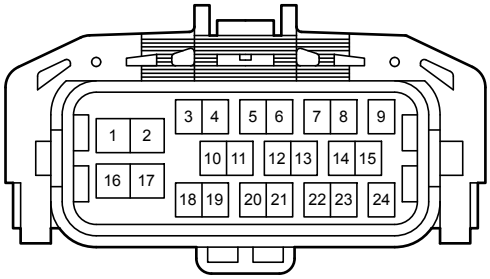
B 1
Black



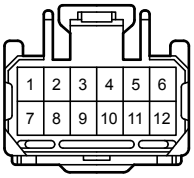
B 9
Black



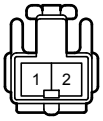
B 11
Black



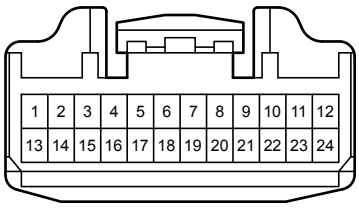
E 51
Blue



L 2
Blue

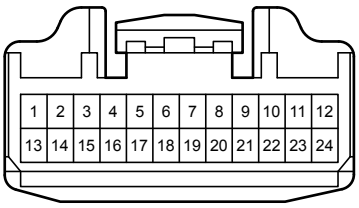


L 10
White



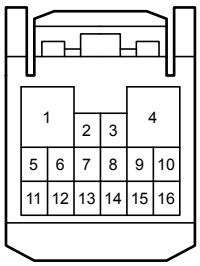
(Before Sep. 2008 Production)

L 10
Black

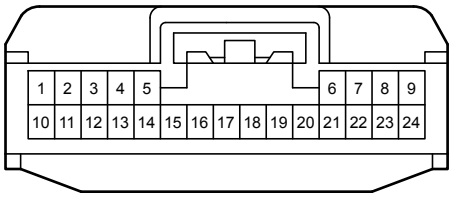


(From Sep. 2008 Production)

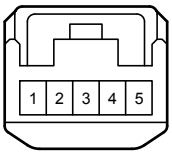
L 11
White



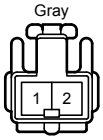
L 18
White



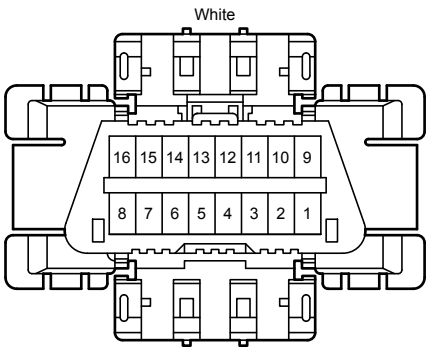
L 20
White



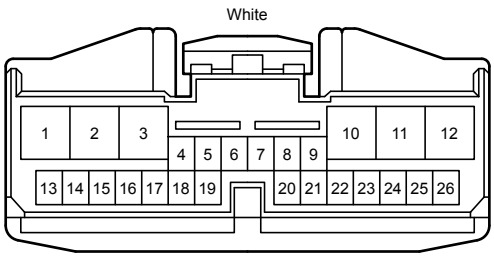
L 27
Gray



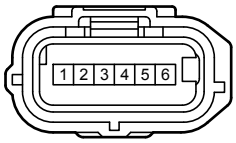
L 31
White



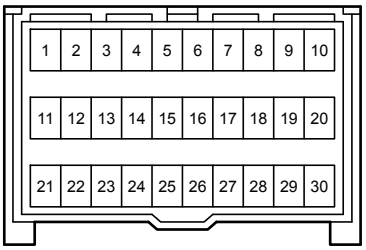
L 59
White



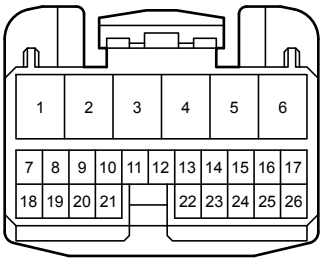
L 71
Black



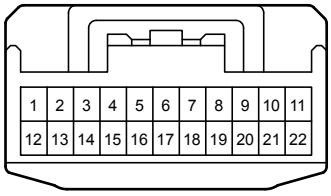
L 73
Yellow



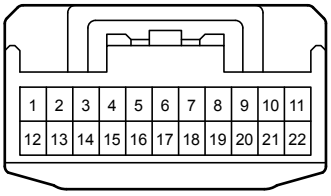
L 88
Black



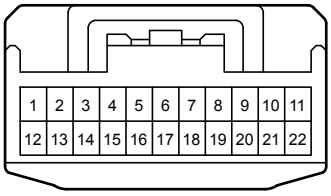
L 95
Gray



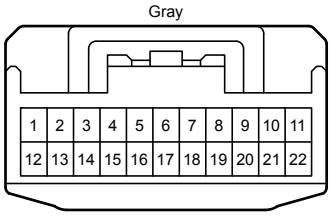
L 96
Black



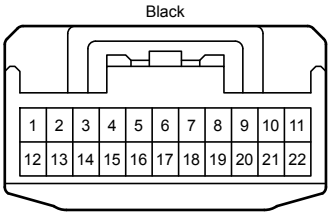
L 97
Black



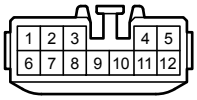
L 98
Gray



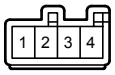
L 99
Black



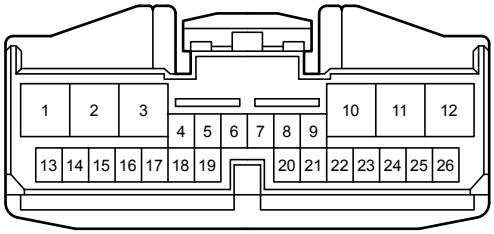
L100
Blue



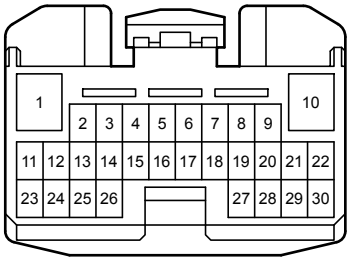
L136
Black



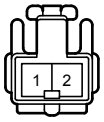
L139
White



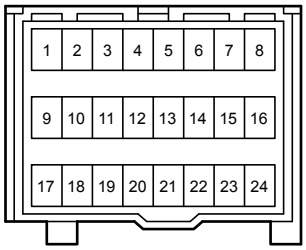
R 1
Black



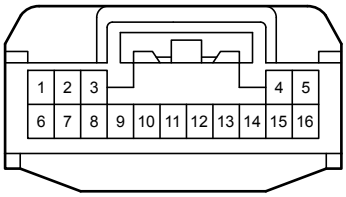
R 2
White



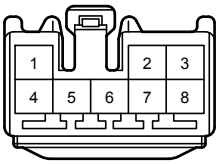
R 5
Yellow



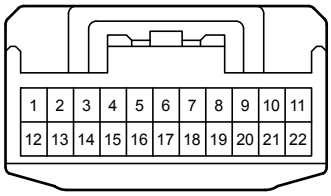
R 25
White



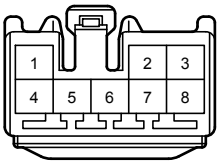
R 41
White



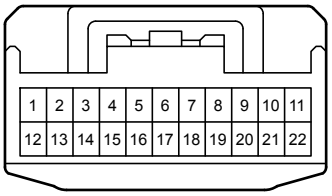
R 42
Black



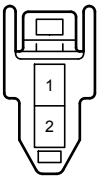
R 43
White



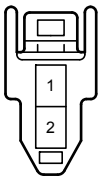
R 44
Black



R 45
White



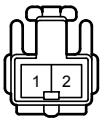
R 46
White



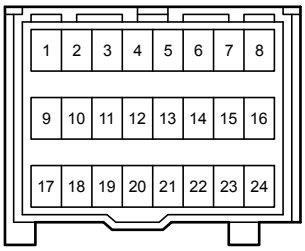
R 49
Gray

R 58
Blue

S 4
White

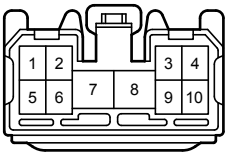


S 8
Yellow

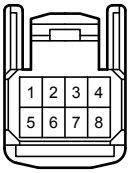


S 17
Gray

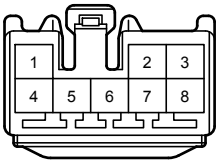
S 45
White



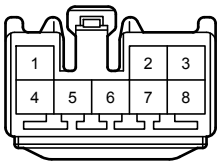
S 47
White



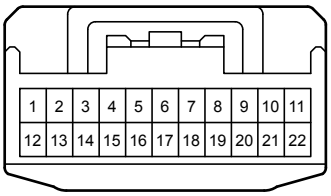
S 54
White



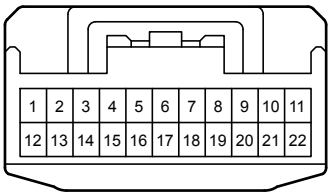
S 57
White



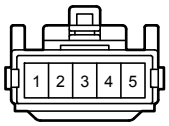
S 58
Black



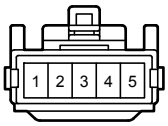
S 60
Black



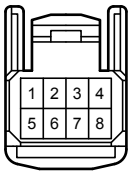
T 1
Black



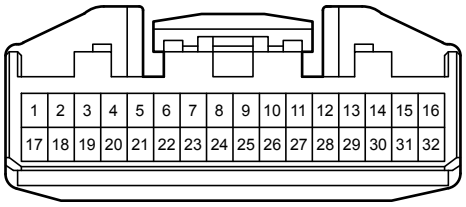
T 2
Black



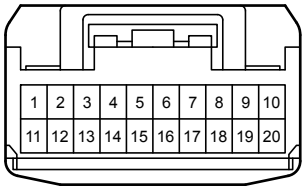
X 3
White



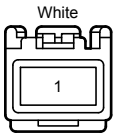
X 4
White



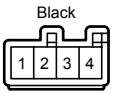
X 6
White



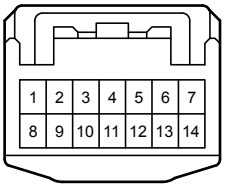
X 15
White



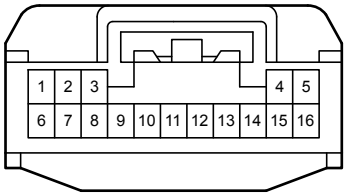
X 21
Black



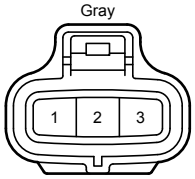
X 22
White



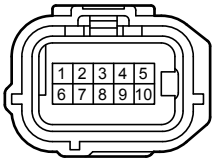
g 1
White



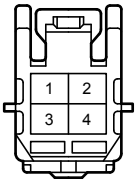
x 1
Gray



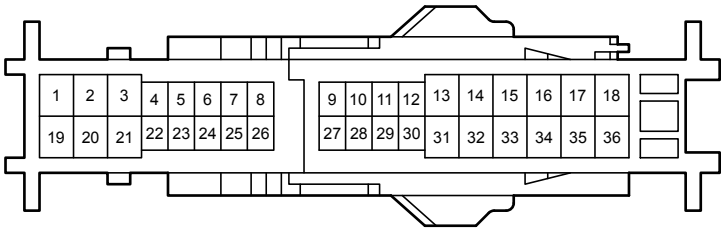
x 2
White



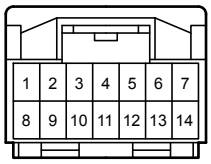
2B
Black



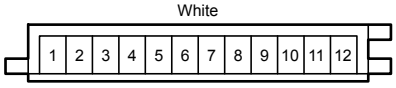
2C
White



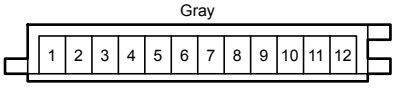
2G
Black



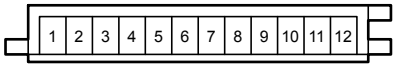
3C
White



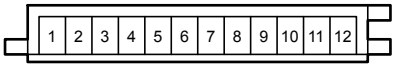
3F
Gray



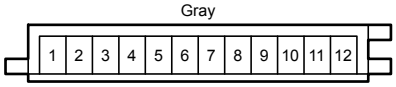
3H
Gray



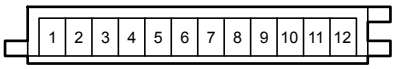
3L
Gray



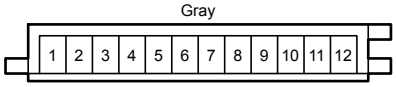
4F
Gray



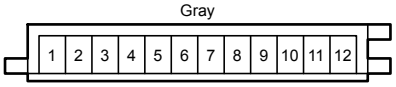
4G
White



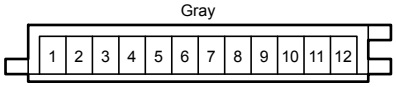
4H
Gray



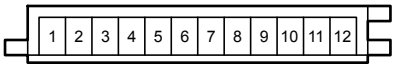
4J
Gray



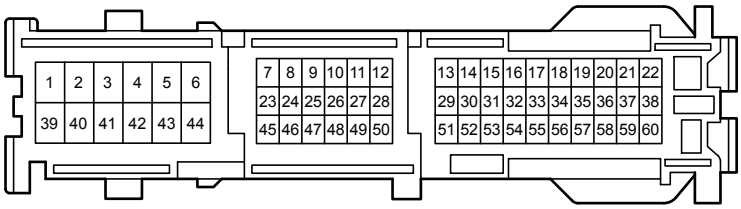
5F
Gray



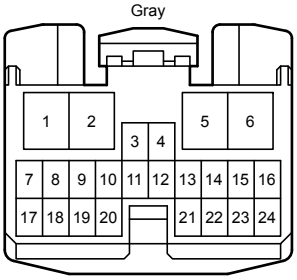
5M
White



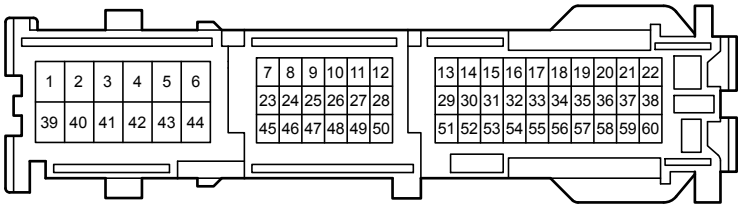
DA
White



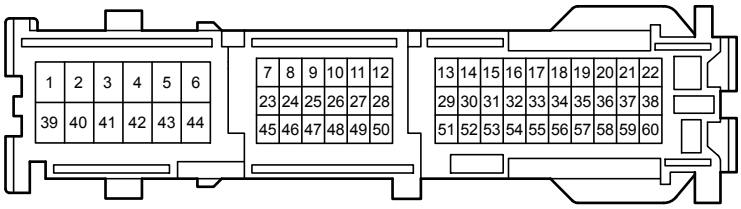
DH
Gray



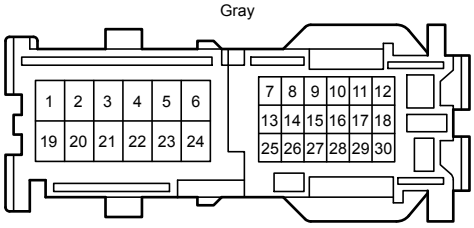
LA
White

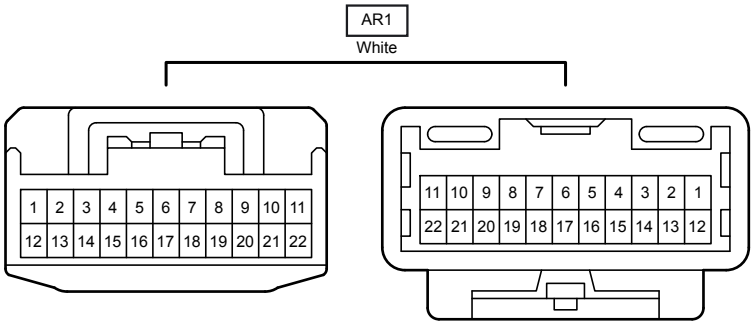


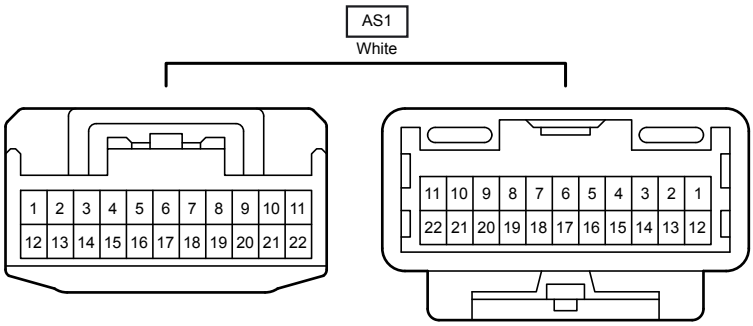
PA
White

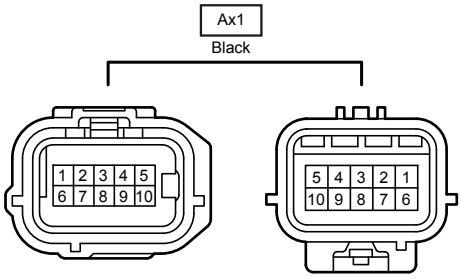


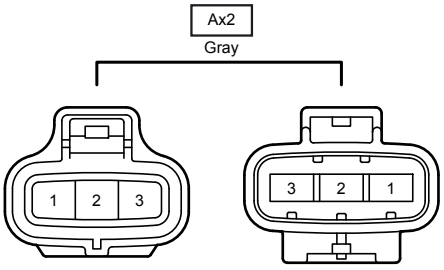
PJ
Gray

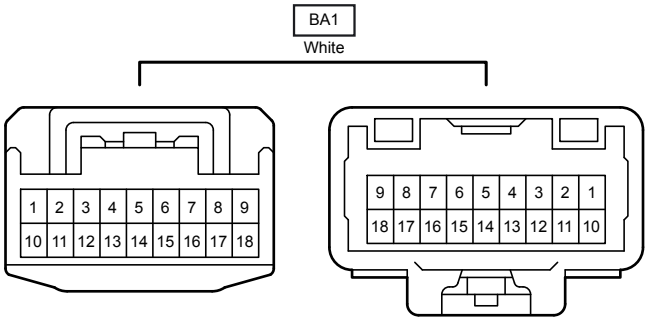


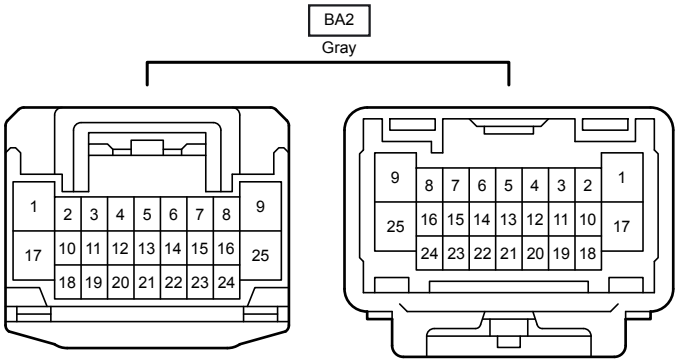

AR1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12


AS1
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

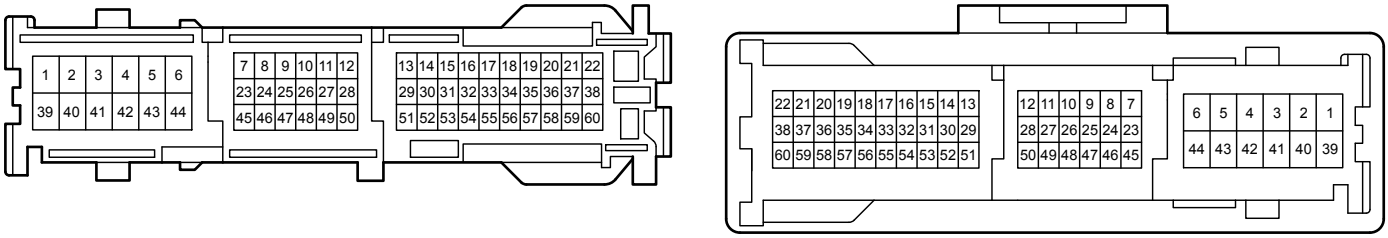

Ax1
Black
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6


Ax2
Gray
1 2 3
3 2 1

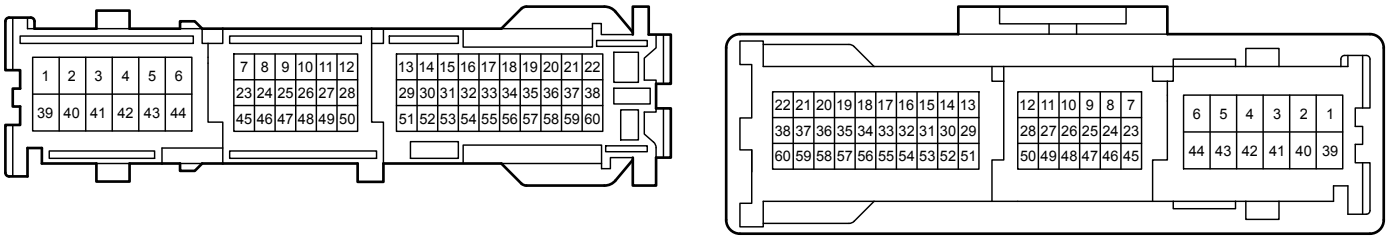

BA1
White
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10


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

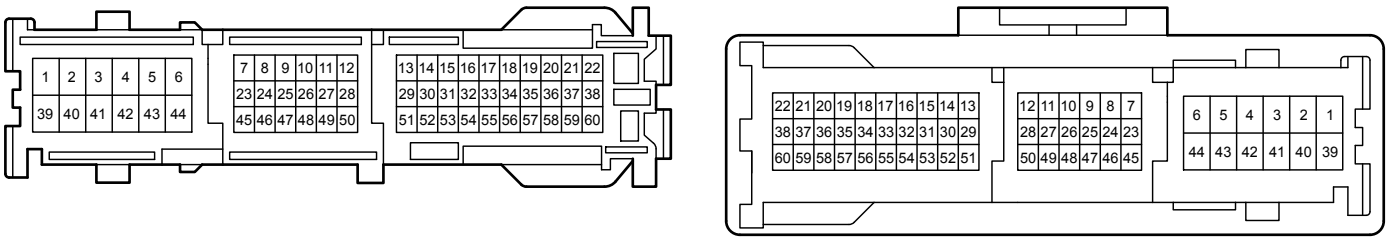
LA1
White



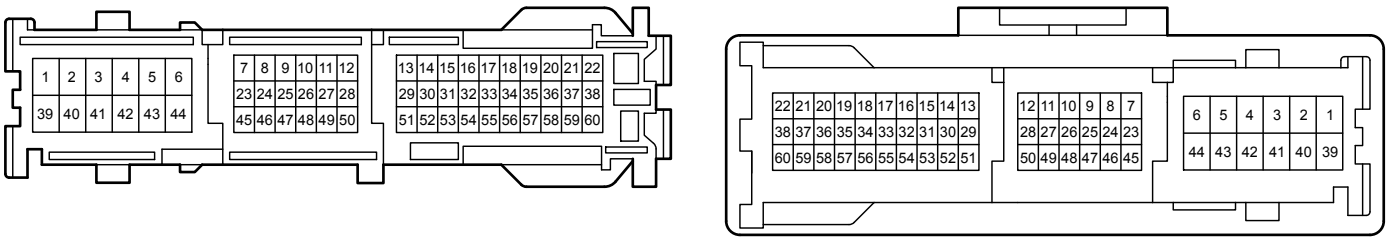
LA3
White



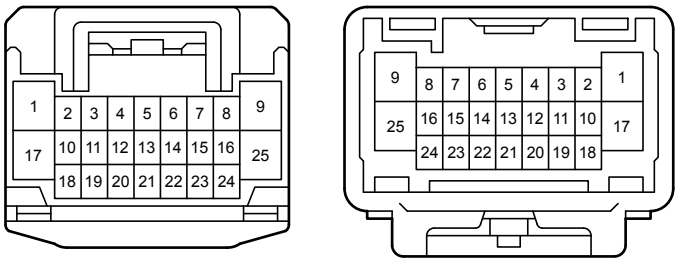
LR1
White

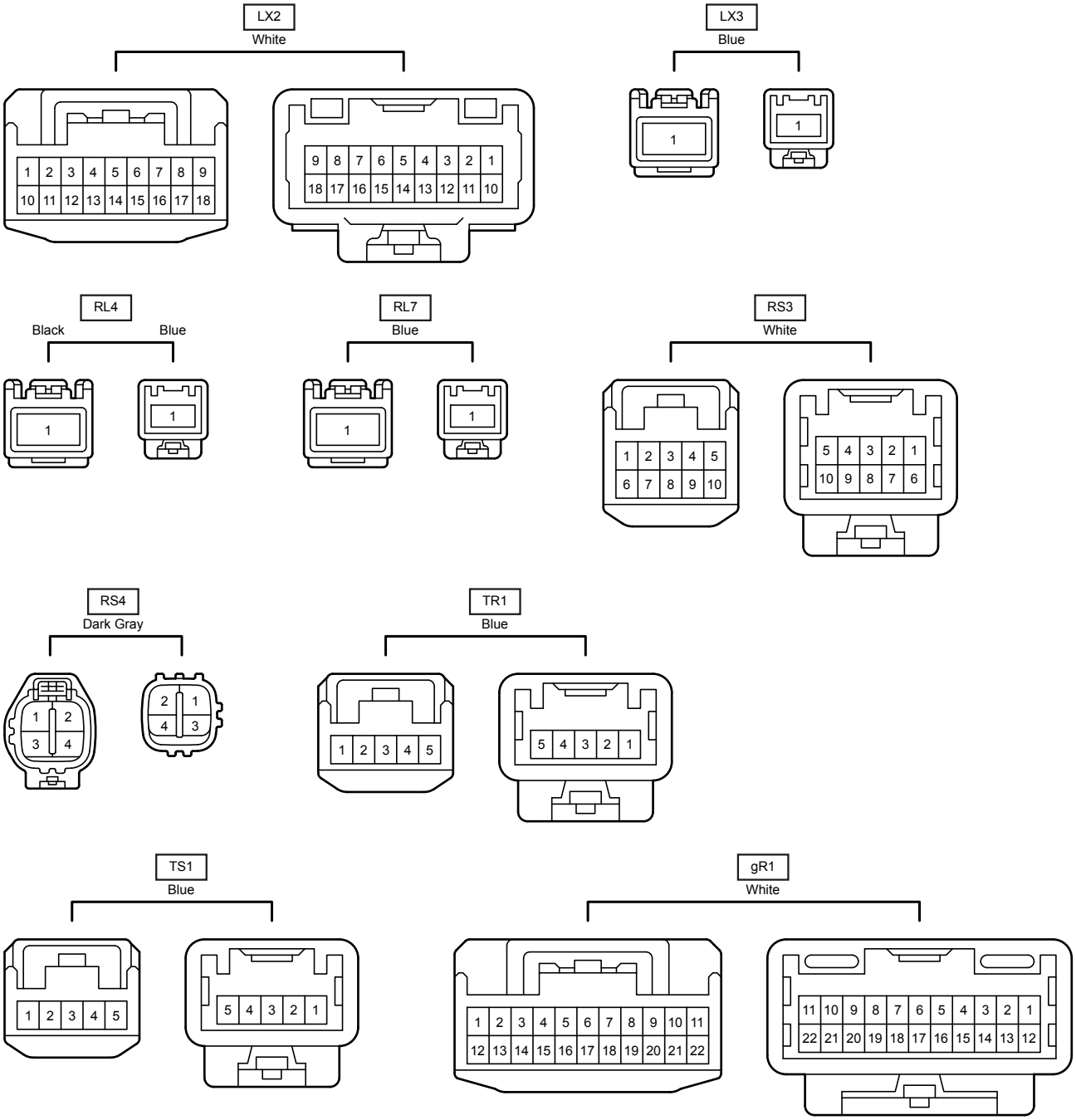


LS1
White



LX1
White




LX2
White
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
LX3
Blue
1
1
RL4
Black
Blue
1
1
RL7
Blue
1
1
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