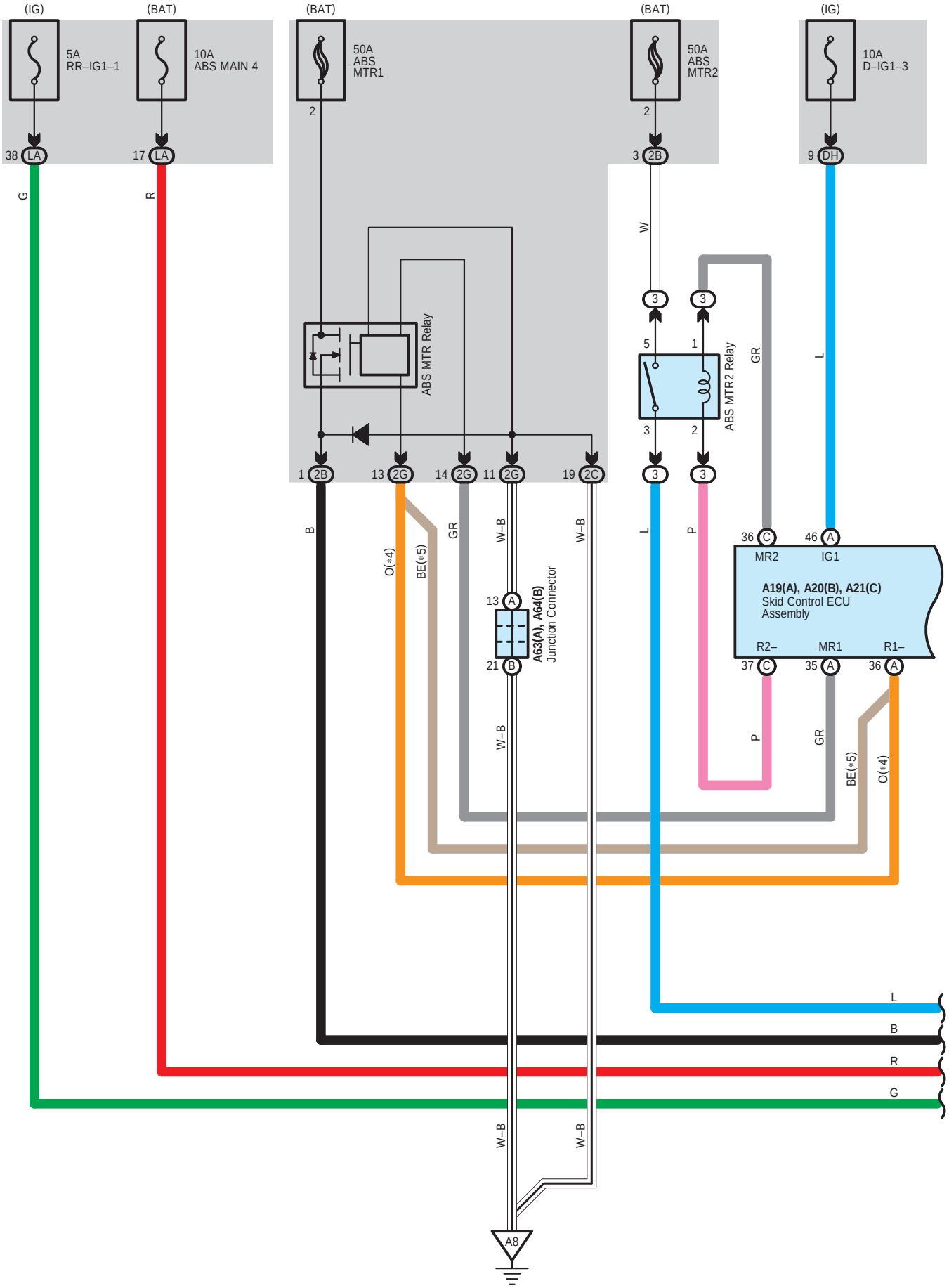
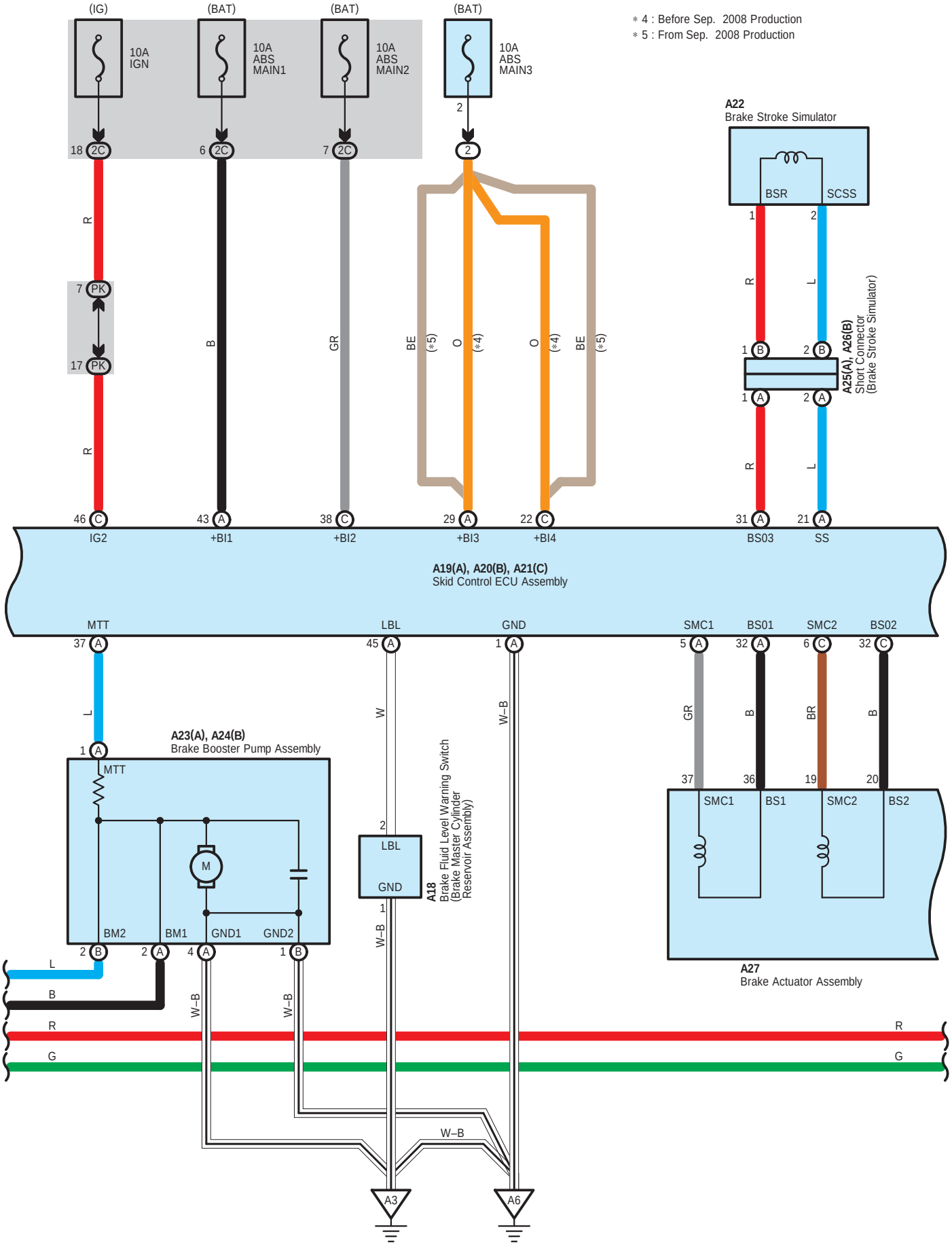
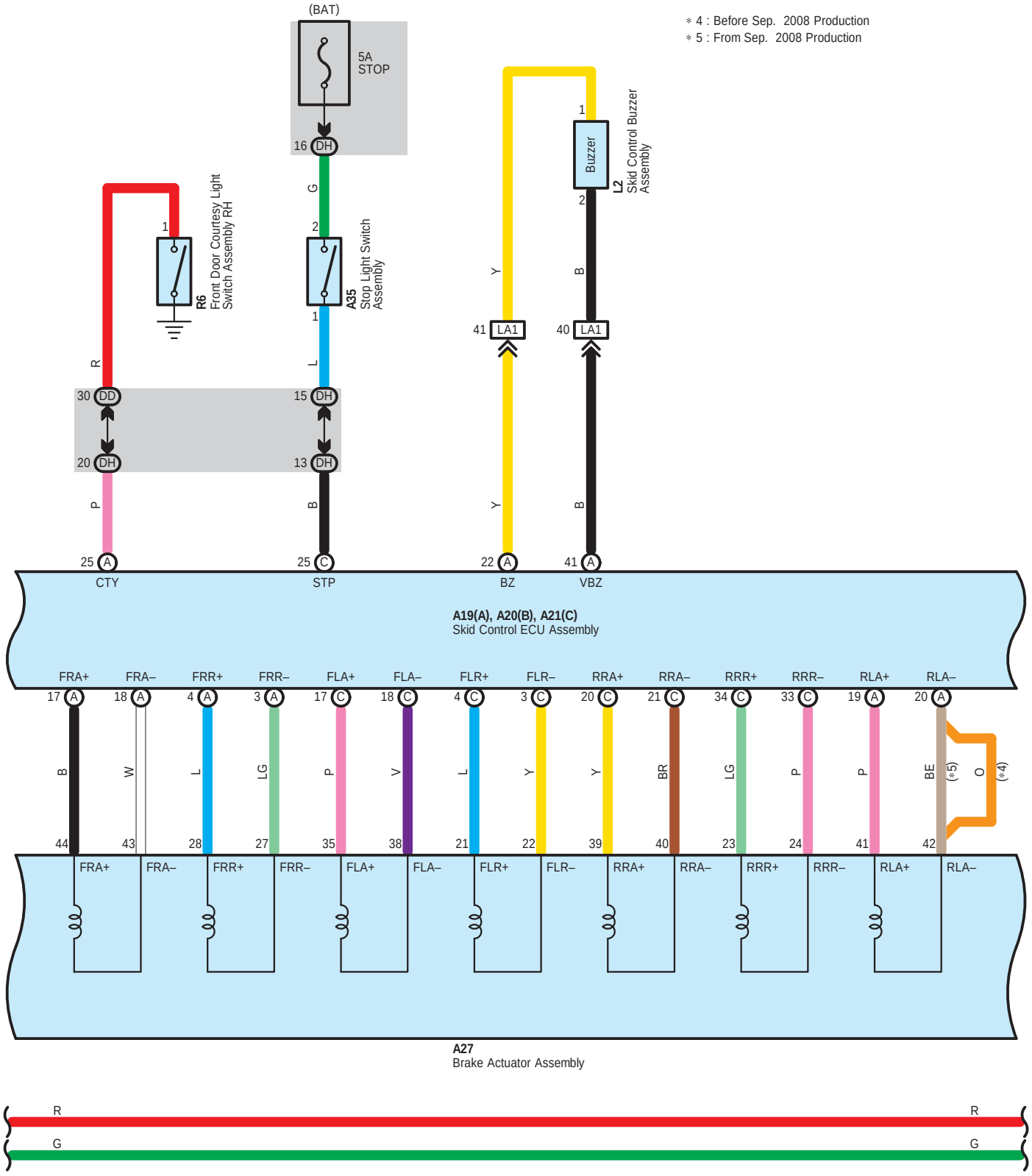
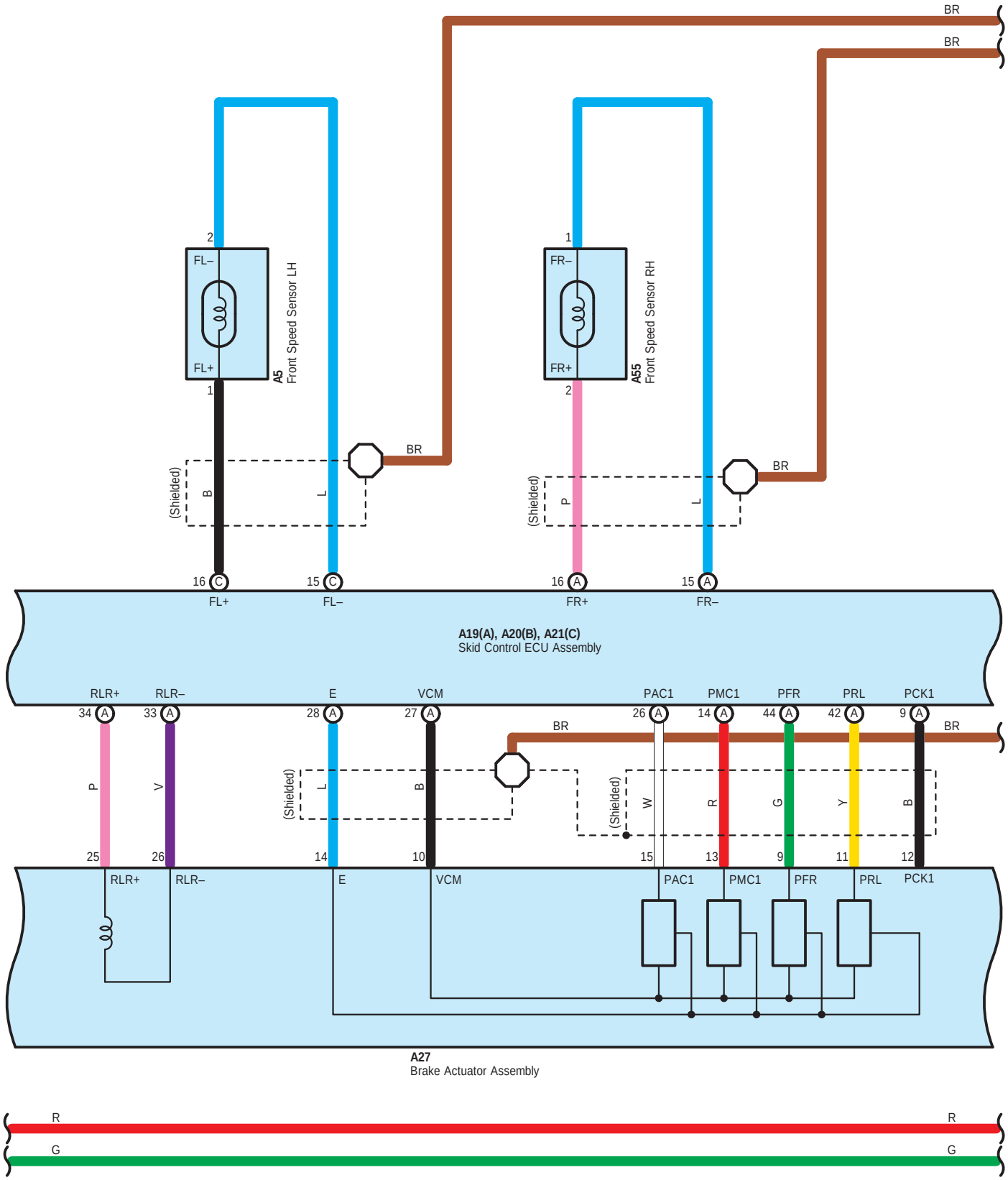
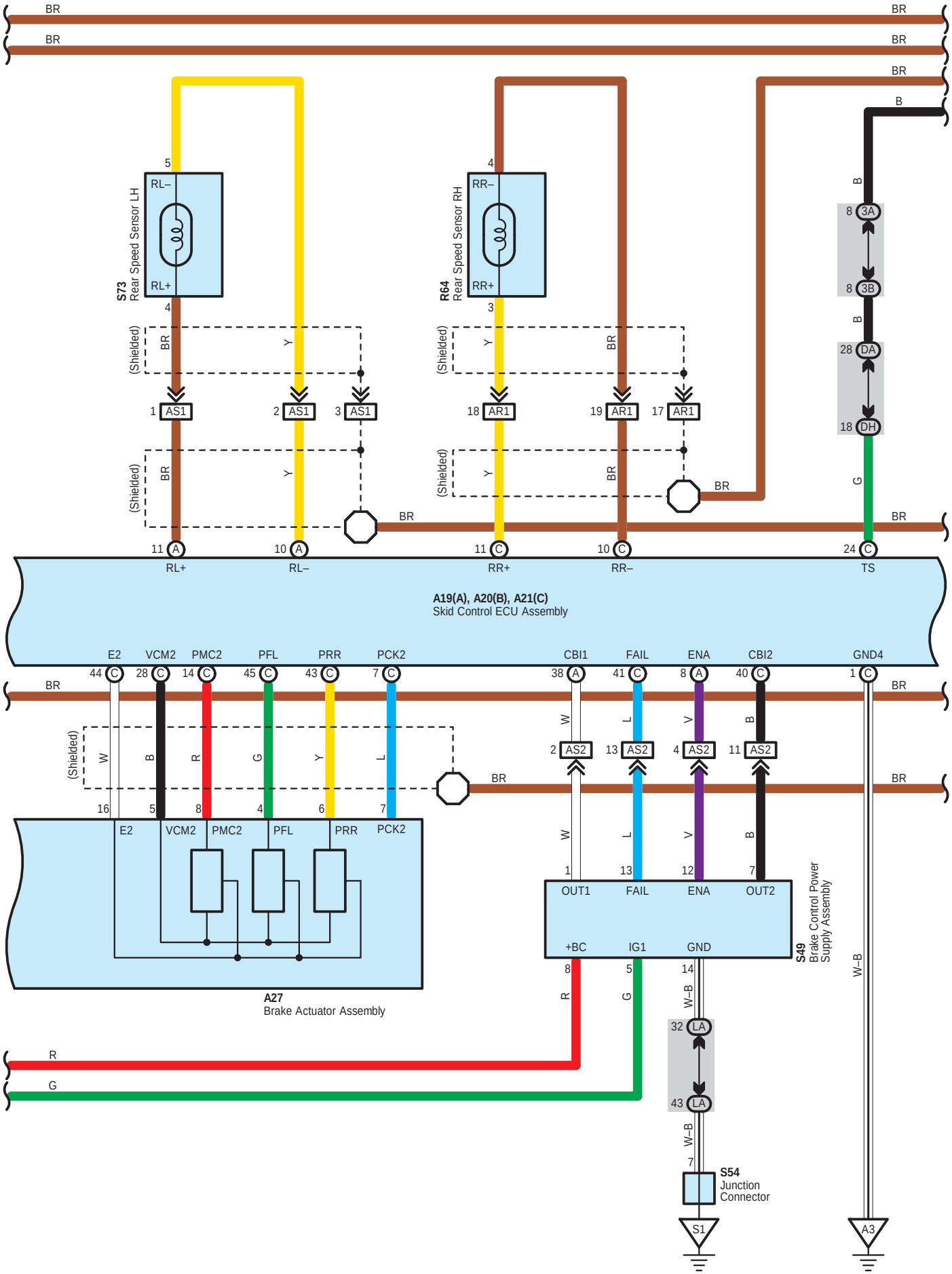

(IG)
(BAT)
(BAT)
(BAT)
(IG)
5A
RR–IG1–1
10A
ABS MAIN 4
50A
ABS
MTR1
50A
ABS
MTR2
10A
D–IG1–3
38 LA
17 LA
2
2
3 2B
9 DH
G
R
W
L
ABS MTR Relay
ABS MTR2 Relay
GR
1 2B
13 2G
14 2G
11 2G
19 2C
B
O(*4)
BE(*5)
GR
W–B
W–B
L
P
36 C
46 A
MR2
IG1
A19(A), A20(B), A21(C)
Skid Control ECU
Assembly
R2–
MR1
R1–
37 C
35 A
36 A
13 A
21 B
A63(A), A64(B)
Junction Connector
W–B
P
GR
BE(*5)
O(*4)
L
B
R
G
W–B
W–B
A8

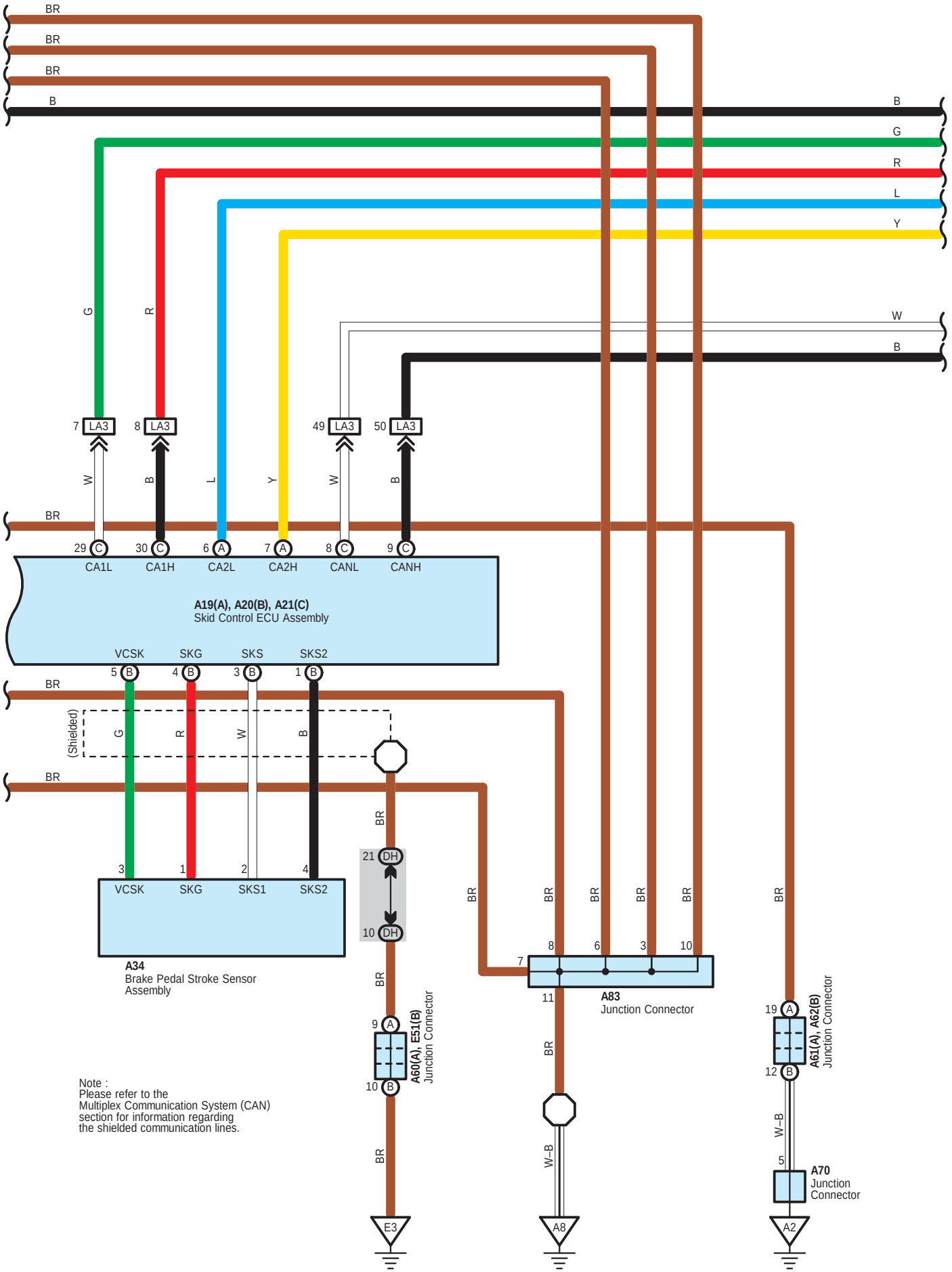

(IG)
(BAT)
(BAT)
(BAT)
10A IGN
10A ABS MAIN1
10A ABS MAIN2
10A ABS MAIN3
∗4 : Before Sep. 2008 Production
∗5 : From Sep. 2008 Production
A22
Brake Stroke Simulator
BSR
SCSS
A25(A), A26(B)
Short Connector
(Brake Stroke Simulator)
IG2
+BI1
+BI2
+BI3
+BI4
BS03
SS
A19(A), A20(B), A21(C)
Skid Control ECU Assembly
MTT
LBL
GND
SMC1
BS01
SMC2
BS02
A23(A), A24(B)
Brake Booster Pump Assembly
BM2
BM1
GND1
GND2
A18
Brake Fluid Level Warning Switch
(Brake Master Cylinder Reservoir Assembly)
A27
Brake Actuator Assembly
A3
A6

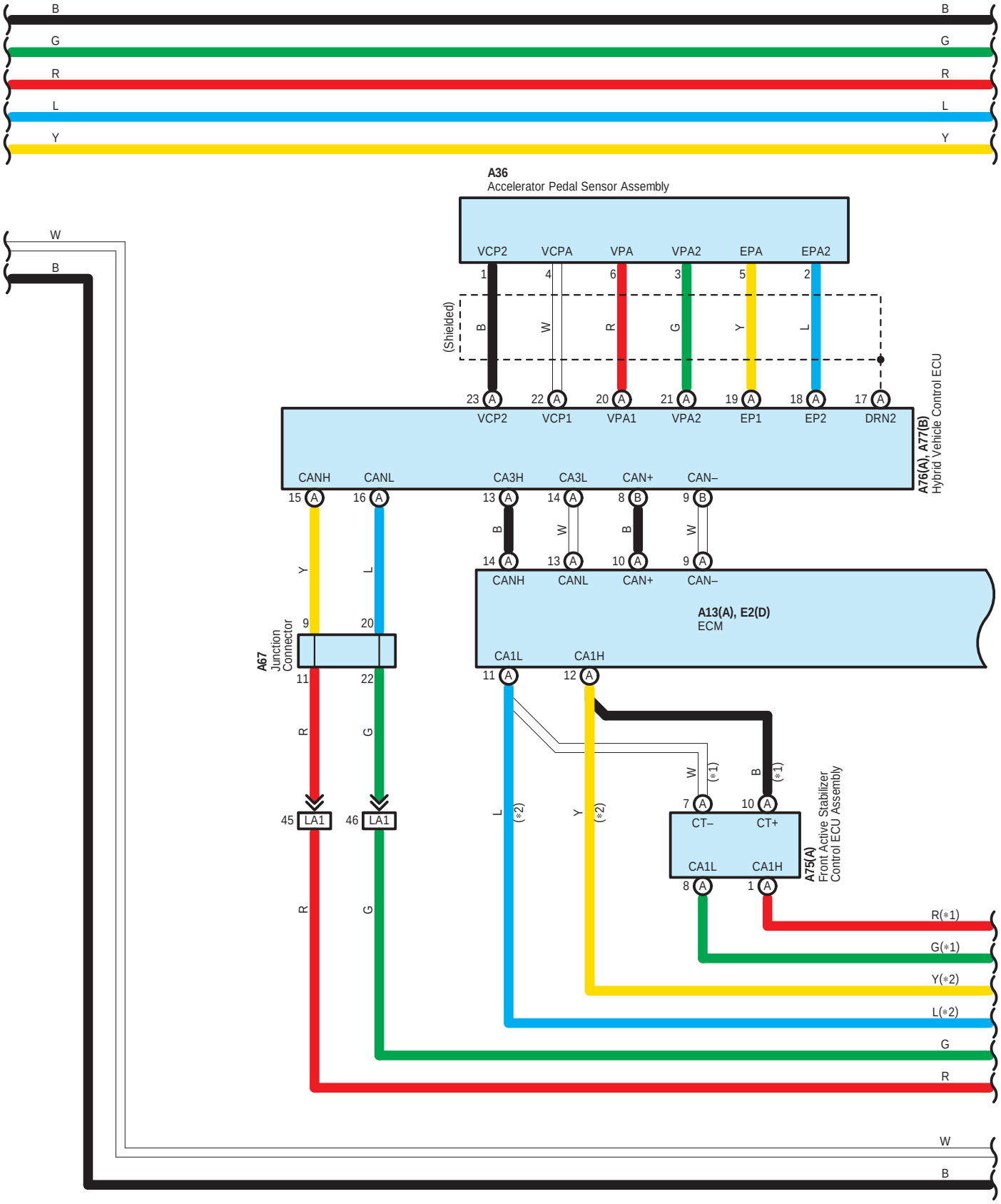


* 4 : Before Sep. 2008 Production
* 5 : From Sep. 2008 Production


BR
BR
2
FL–
FL+
1
A5
Front Speed Sensor LH
1
FR–
FR+
2
A55
Front Speed Sensor RH
BR
BR
(Shielded)
B
L
(Shielded)
P
L
16 C
15 C
16 A
15 A
FL+
FL–
FR+
FR–
A19(A), A20(B), A21(C)
Skid Control ECU Assembly
RLR+
RLR–
E
VCM
PAC1
PMC1
PFR
PRL
PCK1
34 A
33 A
28 A
27 A
26 A
14 A
44 A
42 A
9 A
BR
BR
P
V
(Shielded)
L
B
(Shielded)
W
R
G
Y
B
25
26
14
10
15
13
9
11
12
RLR+
RLR–
E
VCM
PAC1
PMC1
PFR
PRL
PCK1
A27
Brake Actuator Assembly
R
R
G
G

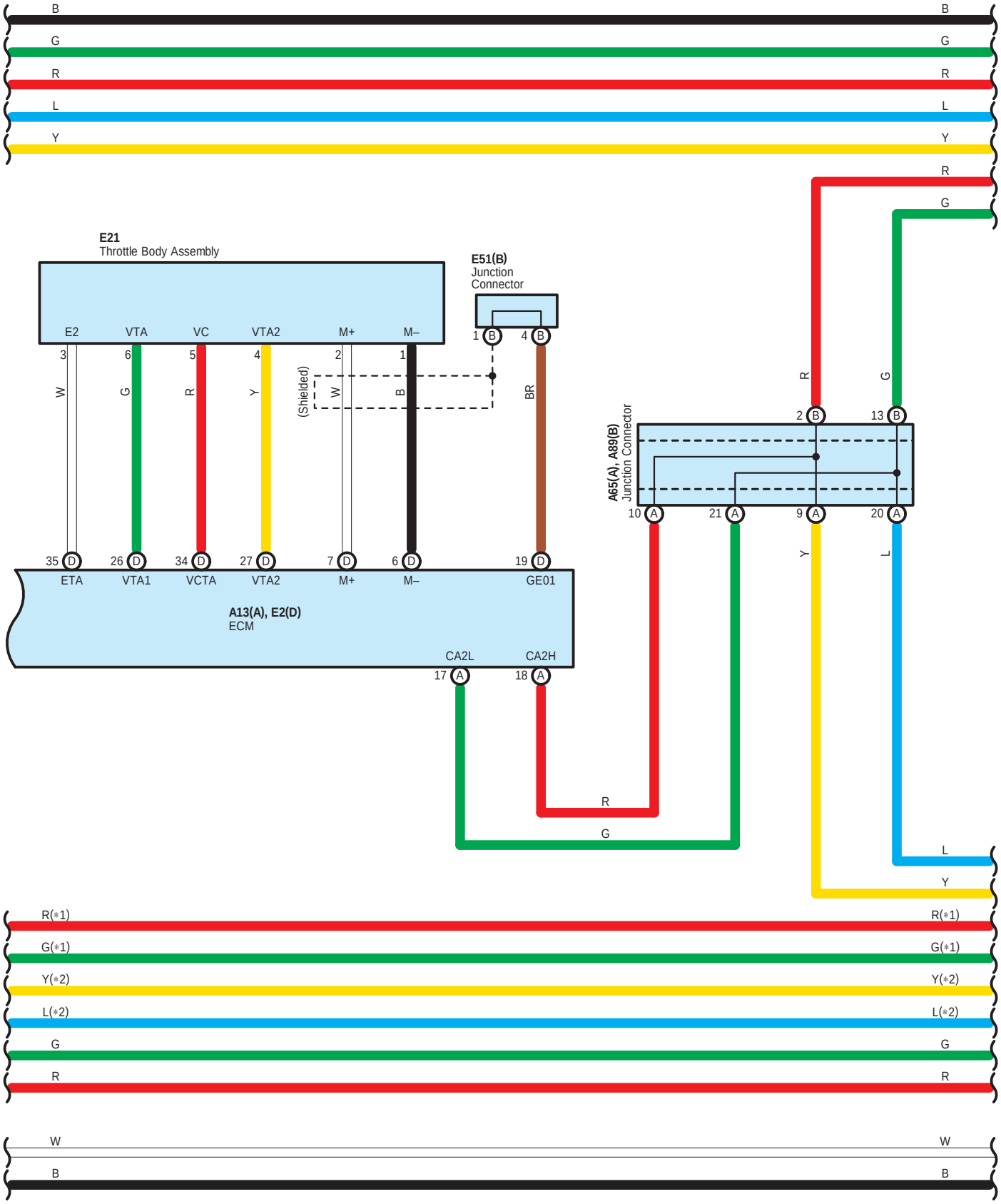

BR
BR
BR
BR
BR
B
S73
Rear Speed Sensor LH
RL–
RL+
5
4
R64
Rear Speed Sensor RH
RR–
RR+
4
3
(Shielded)
BR
Y
1 AS1
2 AS1
3 AS1
18 AR1
19 AR1
17 AR1
8 3A
8 3B
28 DA
18 DH
G
11 A
10 A
11 C
10 C
24 C
RL+
RL–
RR+
RR–
TS
A19(A), A20(B), A21(C)
Skid Control ECU Assembly
E2
VCM2
PMC2
PFL
PRR
PCK2
CBI1
FAIL
ENA
CBI2
GND4
44 C
28 C
14 C
45 C
43 C
7 C
38 A
41 C
8 A
40 C
1 C
W
L
V
B
2 AS2
13 AS2
4 AS2
11 AS2
16
5
8
4
6
7
1
13
12
7
OUT1
FAIL
ENA
OUT2
+BC
IG1
GND
S49
Brake Control Power
Supply Assembly
8
5
14
R
G
W–B
32 LA
43 LA
7
S54
Junction
Connector
S1
A3
A27
Brake Actuator Assembly
R
G

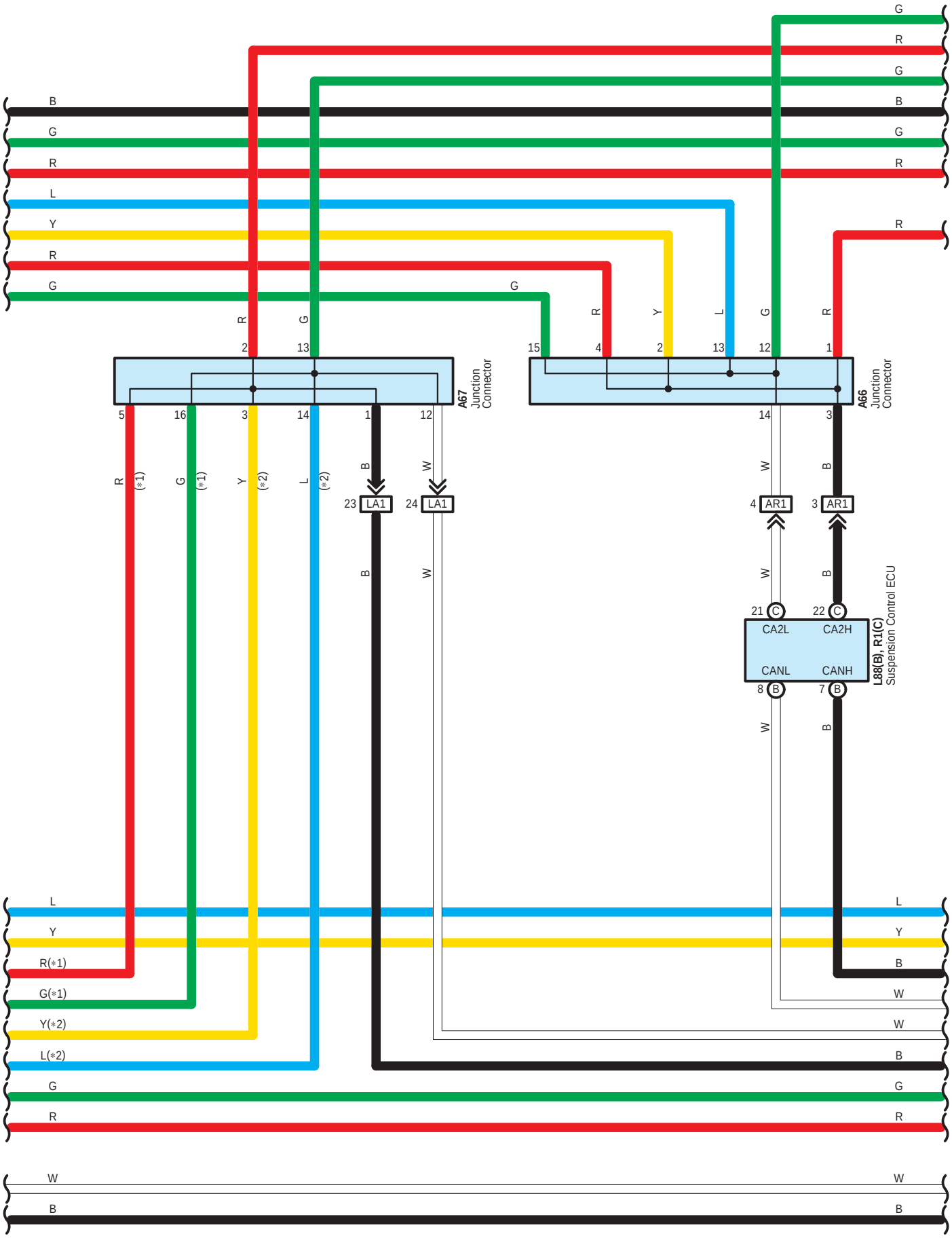

BR
BR
BR
B
B
G
R
L
Y
W
B
G
R
7 LA3
8 LA3
49 LA3
50 LA3
W
B
L
Y
W
B
BR
29 C
30 C
6 A
7 A
8 C
9 C
CA1L
CA1H
CA2L
CA2H
CANL
CANH
A19(A), A20(B), A21(C)
Skid Control ECU Assembly
VCSK
SKG
SKS
SKS2
5 B
4 B
3 B
1 B
BR
(Shielded)
G
R
W
B
BR
BR
21 DH
10 DH
3
1
2
4
VCSK
SKG
SKS1
SKS2
A34
Brake Pedal Stroke Sensor
Assembly
BR
BR
BR
BR
BR
BR
BR
7
8
6
3
10
11
A83
Junction Connector
BR
9 A
10 B
A60(A), E51(B)
Junction Connector
BR
BR
W–B
19 A
12 B
A61(A), A62(B)
Junction Connector
W–B
5
A70
Junction
Connector
E3
A8
A2
Note :
Please refer to the
Multiplex Communication System (CAN)
section for information regarding
the shielded communication lines.

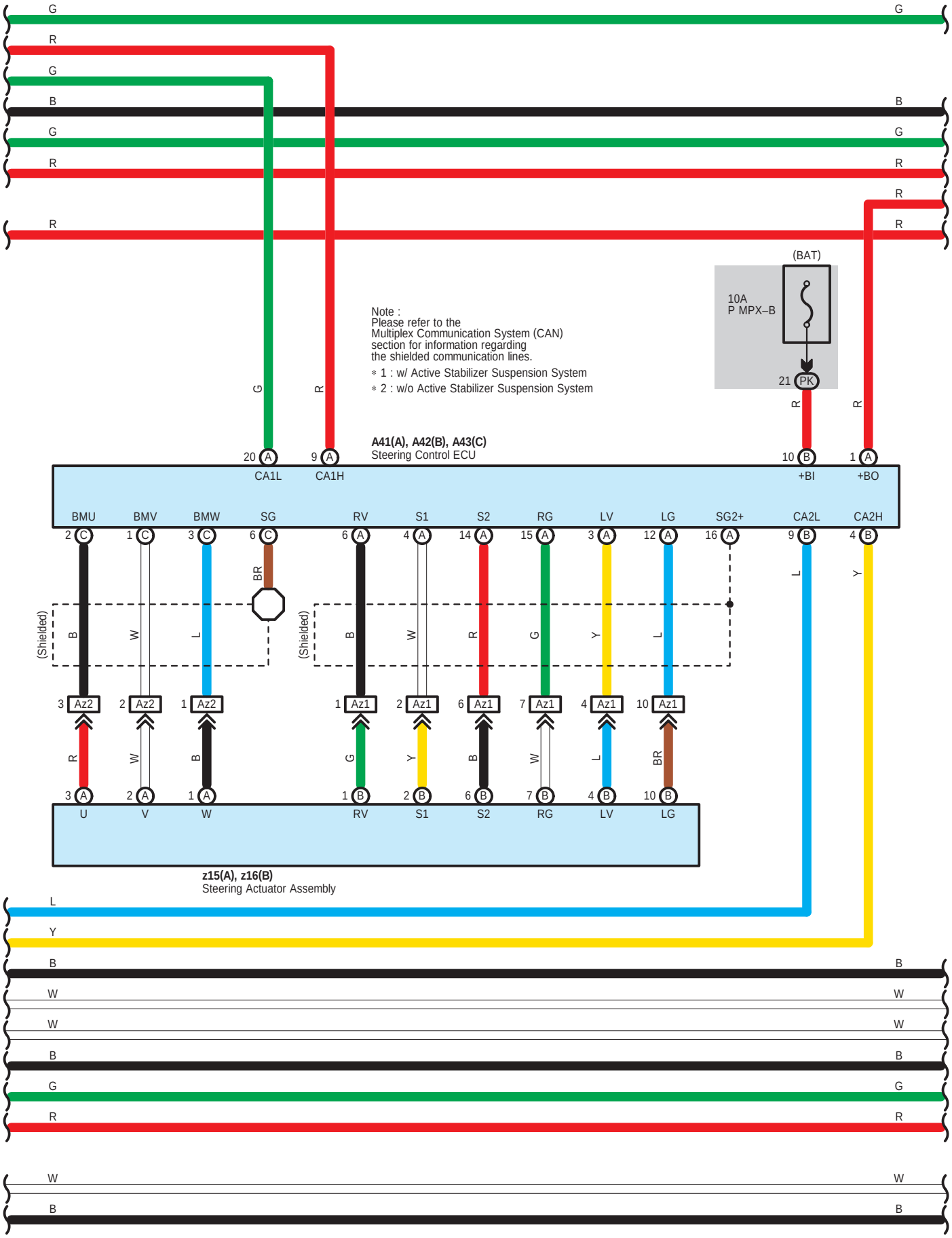

B
G
R
L
Y
W
A36
Accelerator Pedal Sensor Assembly
VCP2
VCPA
VPA
VPA2
EPA
EPA2
(Shielded)
VCP2
VCP1
VPA1
VPA2
EP1
EP2
DRN2
A76(A), A77(B)
Hybrid Vehicle Control ECU
CANH
CANL
CA3H
CA3L
CAN+
CAN–
A13(A), E2(D)
ECM
CA1L
CA1H
A67
Junction Connector
LA1
(*1)
(*2)
CT–
CT+
A75(A)
Front Active Stabilizer Control ECU Assembly
R(*1)
G(*1)
Y(*2)
L(*2)

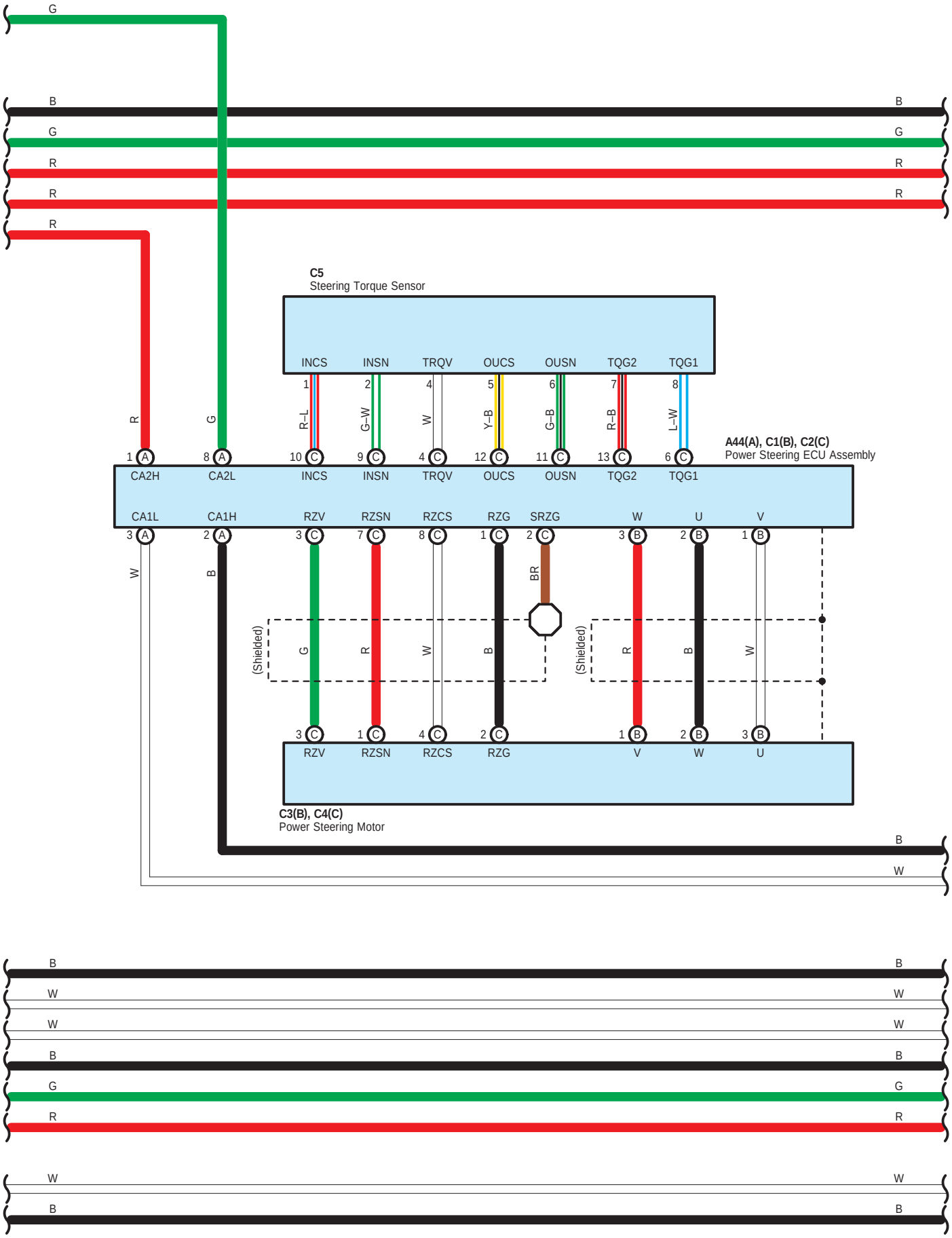
Note :
Please refer to the Multiplex Communication System (CAN) section for information regarding the shielded communication lines.

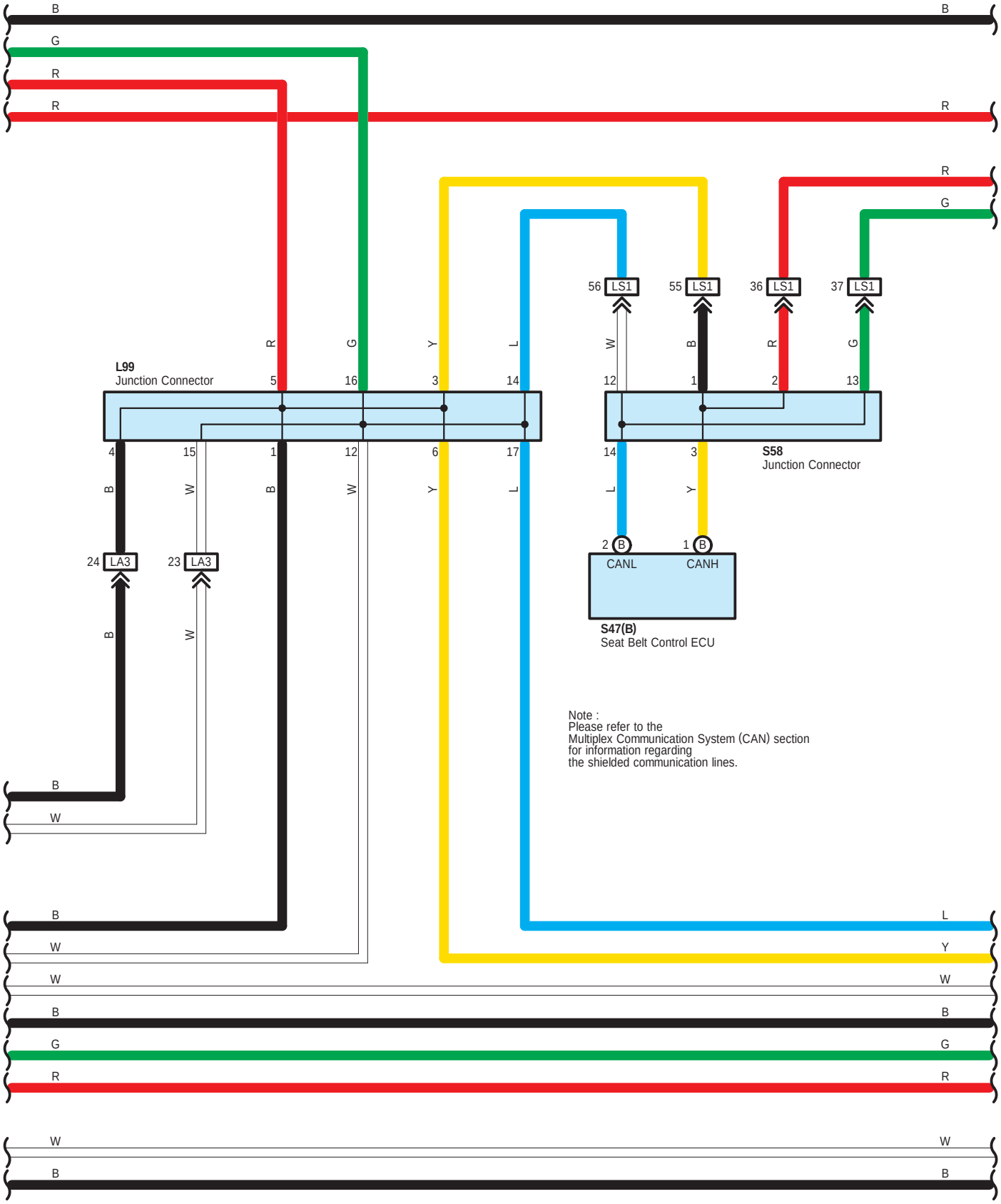
∗ 1 : w/ Active Stabilizer Suspension System
∗ 2 : w/o Active Stabilizer Suspension System

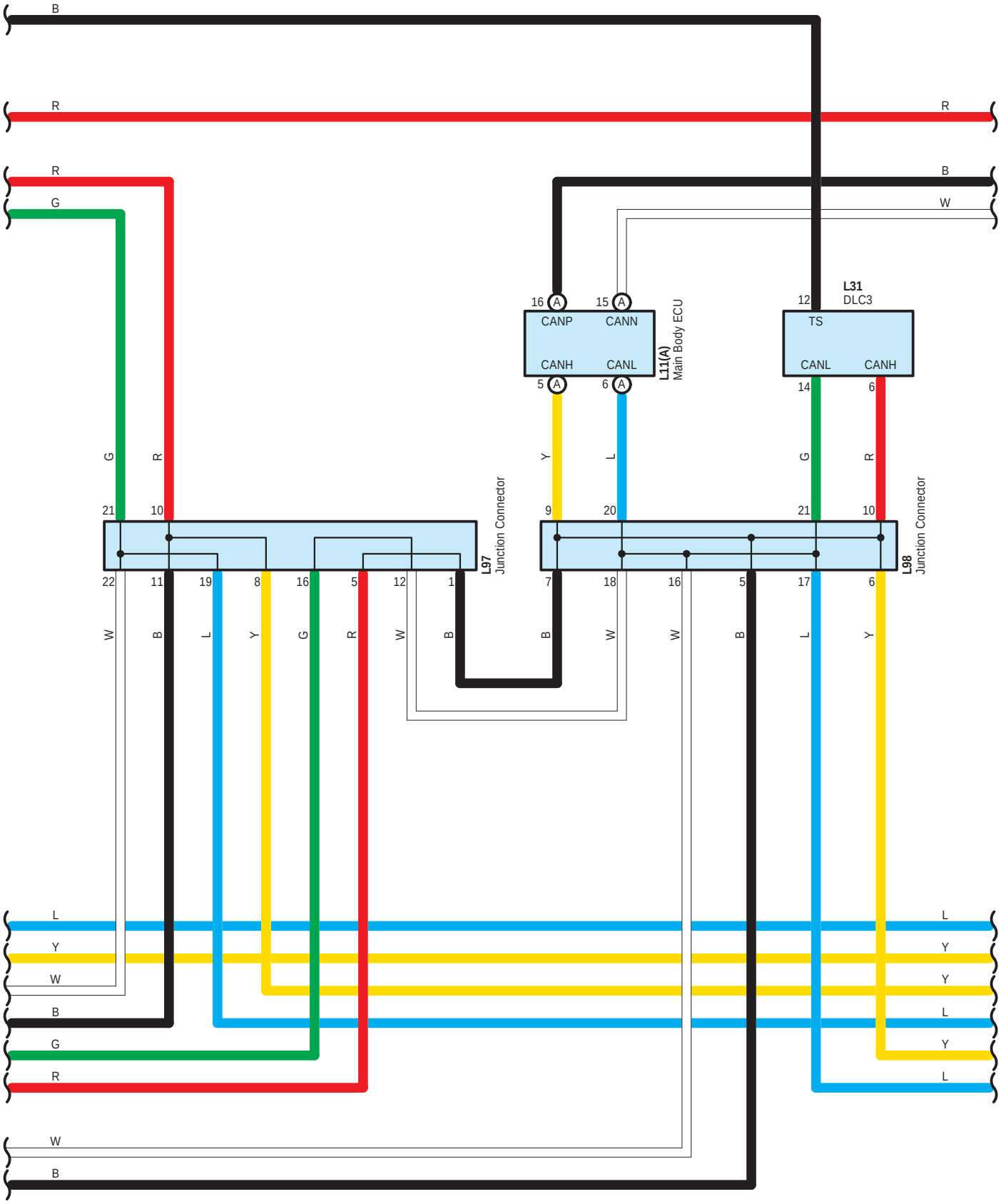



A67
Junction
Connector
A66
Junction
Connector
LA1
AR1
CA2L
CA2H
CANL
CANH
L88(B), R1(C)
Suspension Control ECU
R(*1)
G(*1)
Y(*2)
L(*2)

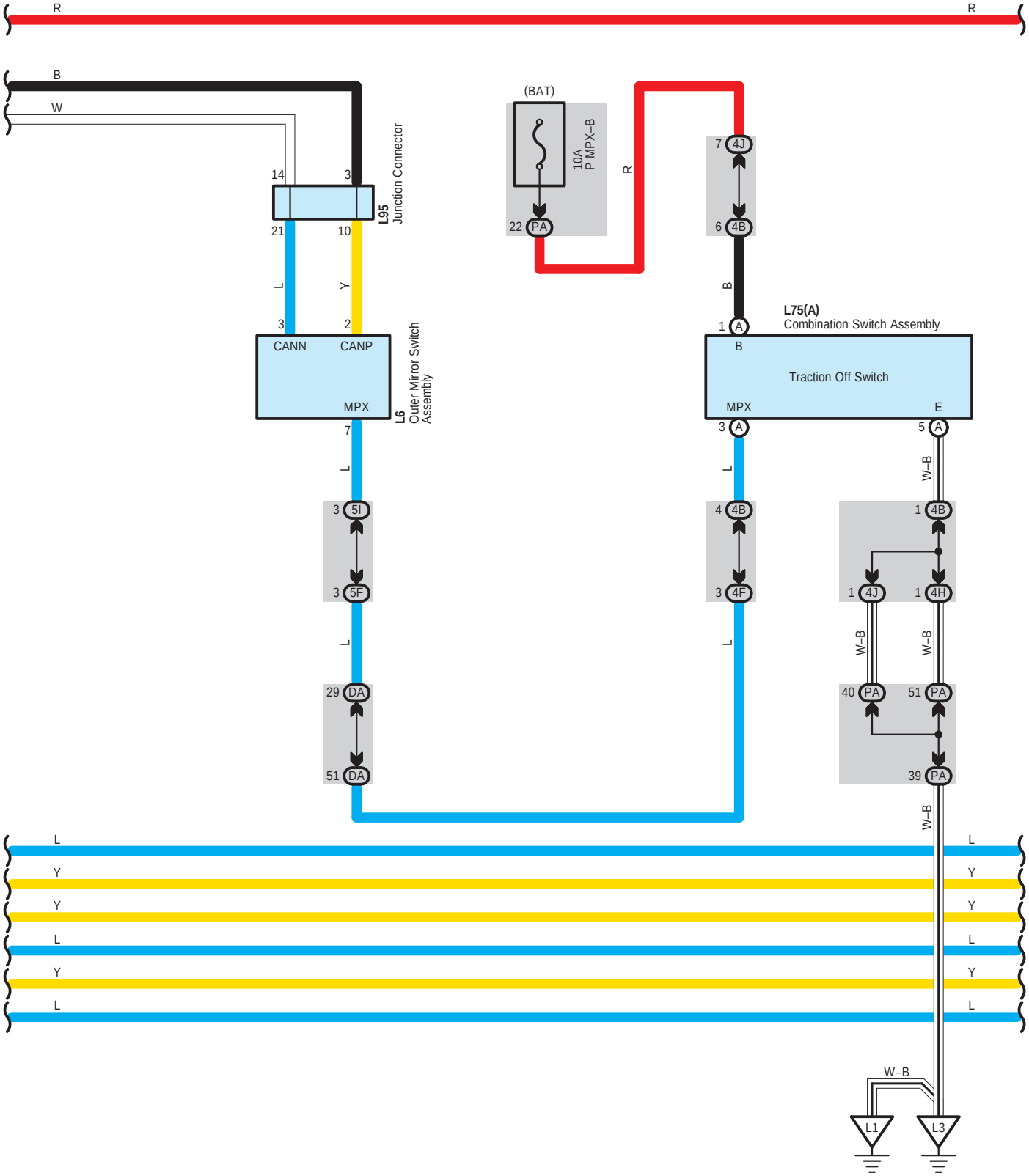

Note :
Please refer to the
Multiplex Communication System (CAN)
section for information regarding
the shielded communication lines.
* 1 : w/ Active Stabilizer Suspension System
* 2 : w/o Active Stabilizer Suspension System
(BAT)
10A
P MPX–B
21 PK
A41(A), A42(B), A43(C)
Steering Control ECU
20 A CA1L
9 A CA1H
10 B +BI
1 A +BO
BMU
BMV
BMW
SG
RV
S1
S2
RG
LV
LG
SG2+
CA2L
CA2H
(Shielded)
(Shielded)
Az2
Az1
U
V
W
RV
S1
S2
RG
LV
LG
z15(A), z16(B)
Steering Actuator Assembly

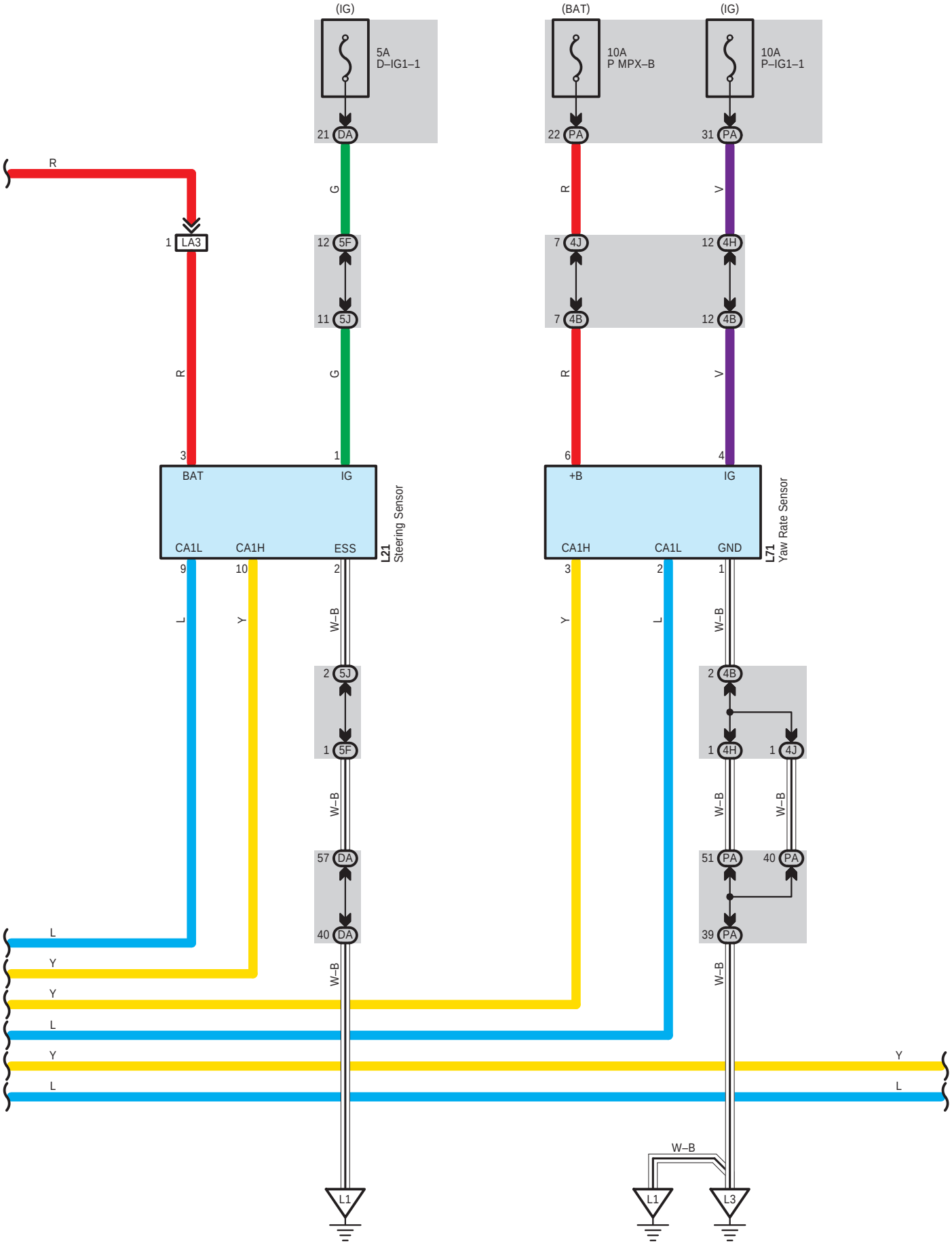

C5
Steering Torque Sensor
INCS
INSN
TRQV
OUCS
OUSN
TQG2
TQG1
A44(A), C1(B), C2(C)
Power Steering ECU Assembly
CA2H
CA2L
CA1L
CA1H
RZV
RZSN
RZCS
RZG
SRZG
W
U
V
(Shielded)
C3(B), C4(C)
Power Steering Motor

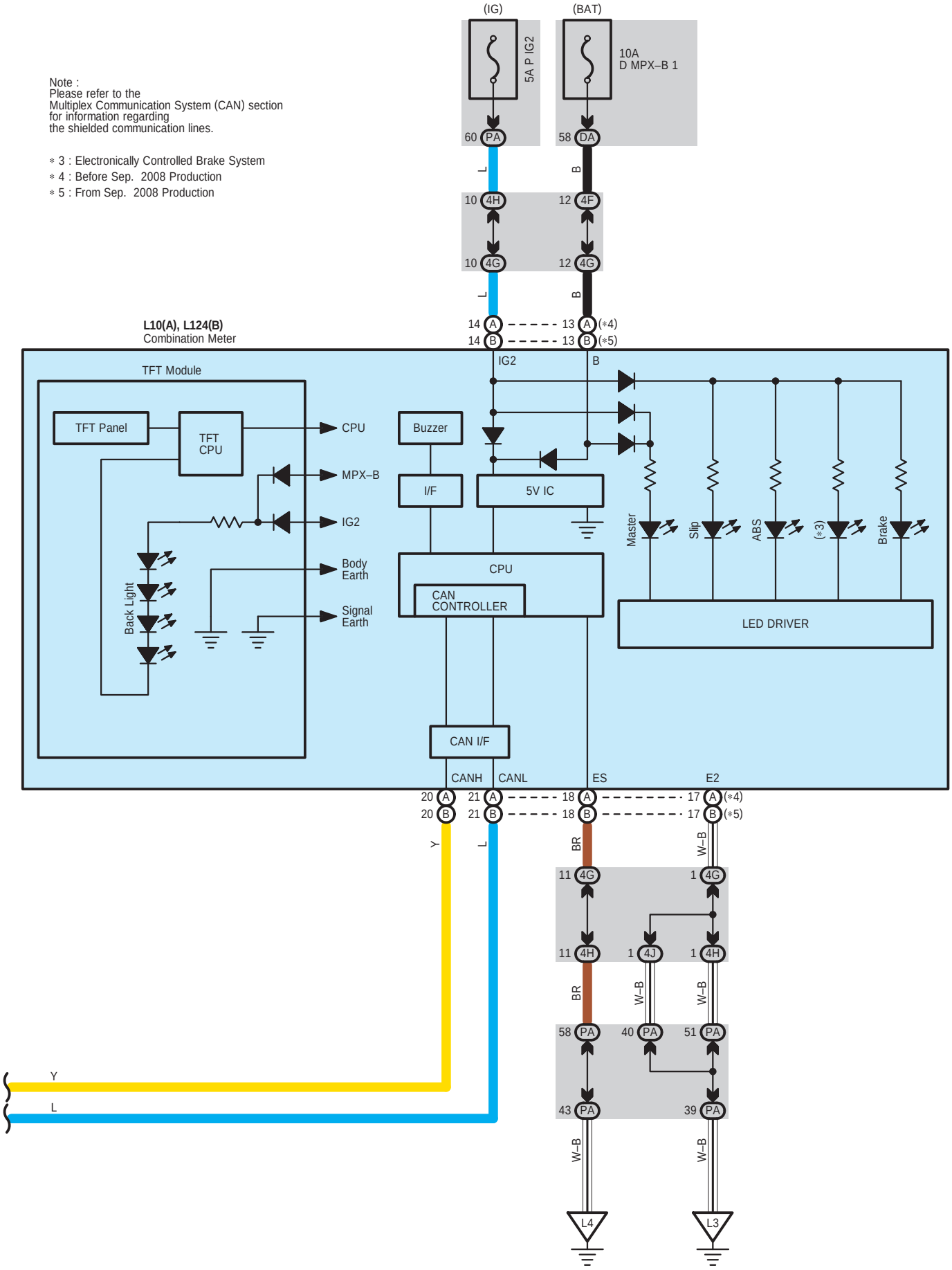

B
G
R
R
B
R
R
G
56 LS1
55 LS1
36 LS1
37 LS1
L99
Junction Connector
5
16
3
14
12
1
2
13
4
15
1
12
6
17
14
3
S58
Junction Connector
24 LA3
23 LA3
2 B
1 B
CANL
CANH
S47(B)
Seat Belt Control ECU
Note :
Please refer to the
Multiplex Communication System (CAN) section
for information regarding
the shielded communication lines.
B
W
B
W
W
B
G
R
L
Y
W
B
G
R
W
B
W
B


B
R
R
R
G
B
W
16 A
15 A
CANP
CANN
CANH
CANL
5 A
6 A
L11(A)
Main Body ECU
12
L31
DLC3
TS
CANL
CANH
14
6
G
R
Y
L
G
R
21
10
9
20
21
10
L97
Junction Connector
L98
Junction Connector
22
11
19
8
16
5
12
1
7
18
16
5
17
6
W
B
L
Y
G
R
W
B
B
W
W
B
L
Y
L
Y
W
B
G
R
W
B
L
Y
Y
L
Y
L

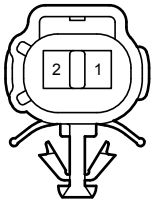
Note :
Please refer to the
Multiplex Communication System (CAN) section
for information regarding
the shielded communication lines.



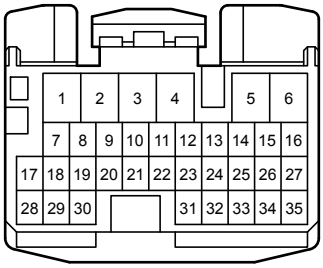

(IG)
5A
D–IG1–1
21 DA
(BAT)
10A
P MPX–B
22 PA
(IG)
10A
P–IG1–1
31 PA
R
1 LA3
G
12 5F
11 5J
R
G
R
V
7 4J
12 4H
7 4B
12 4B
R
V
3
BAT
1
IG
CA1L
CA1H
ESS
L21
Steering Sensor
9
10
2
6
+B
4
IG
CA1H
CA1L
GND
L71
Yaw Rate Sensor
3
2
1
L
Y
W–B
Y
L
W–B
2 5J
1 5F
2 4B
1 4H
1 4J
W–B
W–B
W–B
W–B
57 DA
40 DA
51 PA
40 PA
39 PA
W–B
W–B
L
Y
Y
L
Y
L
Y
L
W–B
L1
L1
L3


Note :
Please refer to the
Multiplex Communication System (CAN) section
for information regarding
the shielded communication lines.
* 3 : Electronically Controlled Brake System
* 4 : Before Sep. 2008 Production
* 5 : From Sep. 2008 Production
(IG)
(BAT)
5A P IG2
10A
D MPX–B 1
60 PA
58 DA
10 4H
12 4F
10 4G
12 4G
L10(A), L124(B)
Combination Meter
14 A
14 B
13 A (*4)
13 B (*5)
IG2
B
TFT Module
TFT Panel
TFT
CPU
CPU
MPX–B
IG2
Body
Earth
Signal
Earth
Back Light
Buzzer
I/F
5V IC
CPU
CAN
CONTROLLER
Master
Slip
ABS
(*3)
Brake
LED DRIVER
CAN I/F
CANH
CANL
ES
E2
20 A
20 B
21 A
21 B
18 A
18 B
17 A (*4)
17 B (*5)
Y
L
BR
W–B
11 4G
1 4G
11 4H
1 4J
1 4H
58 PA
40 PA
51 PA
43 PA
39 PA
L4
L3

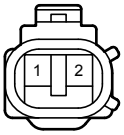
A 5
Gray



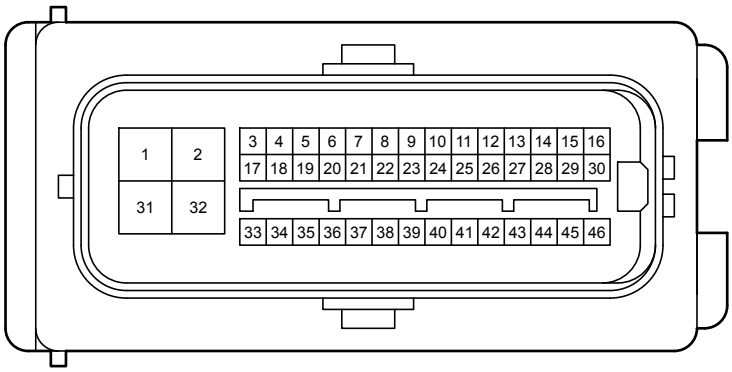
A 13
White



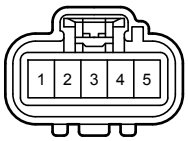
A 18
Black



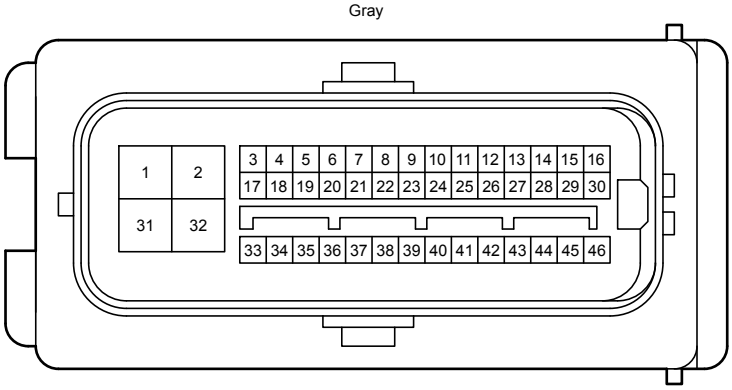
A 19
Black



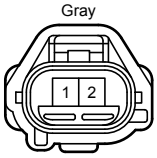
A 20
Black



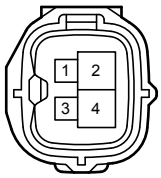
A 21
Gray



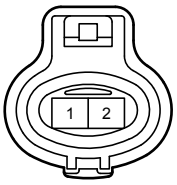
A 22
Gray



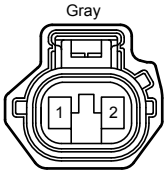
A 23
Black



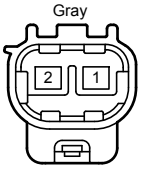
A 24
Black



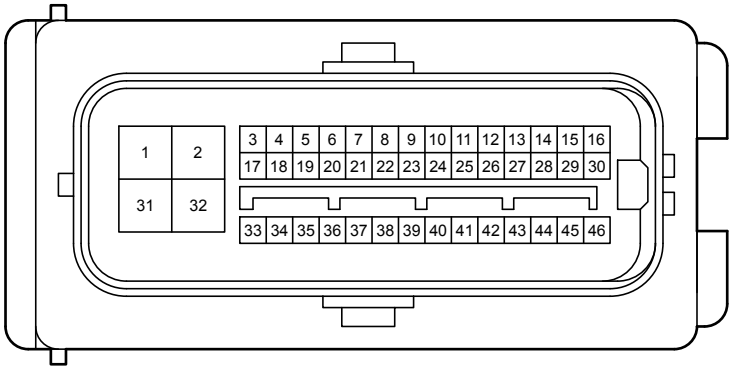
A 25
Gray



A 26
Gray

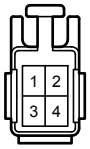


A 27
Black



A 34
Black

A 35
Green



A 36
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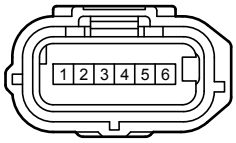

A 41
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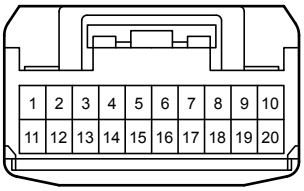

A 42
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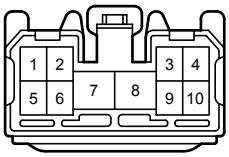

A 43
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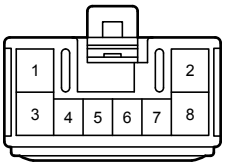

A 44
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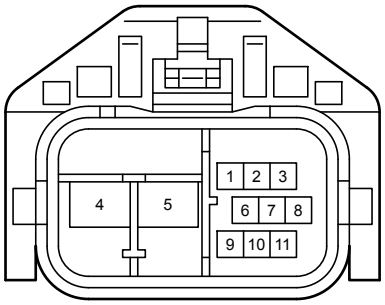

A 55
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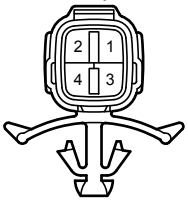

A 60
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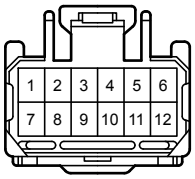

A 61
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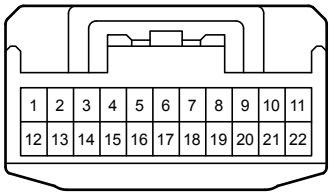

A 62
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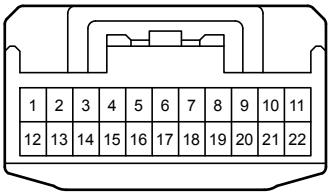

A 63
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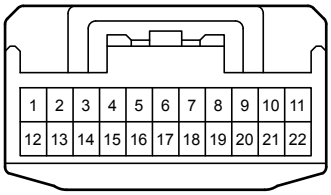

A 64
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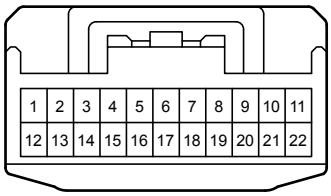

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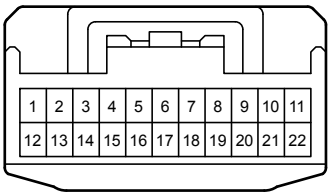

A 66
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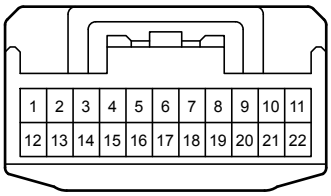

A 67
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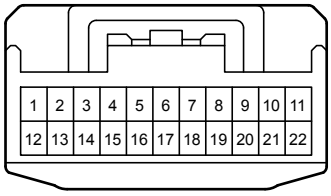

A 70
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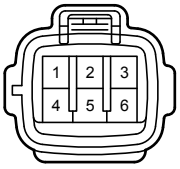

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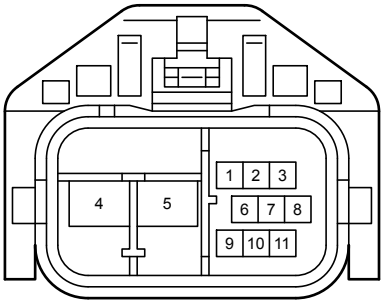

A 76
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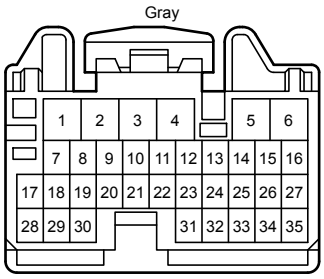

A 77
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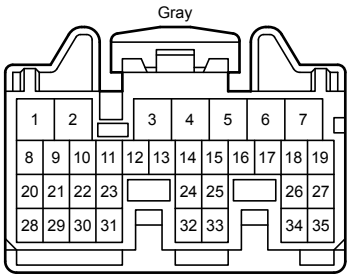

A 83
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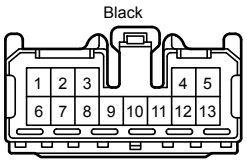

A 89
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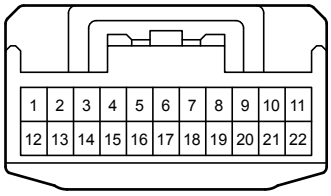

C 1
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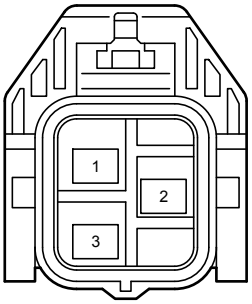

C 2
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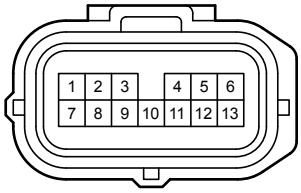
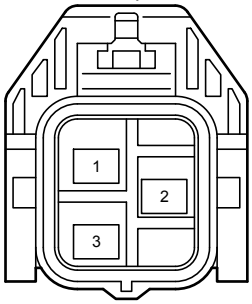


C 3
Gray



C 4
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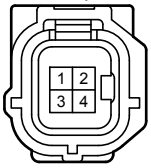
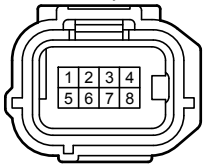


C 5
Gray



E 2
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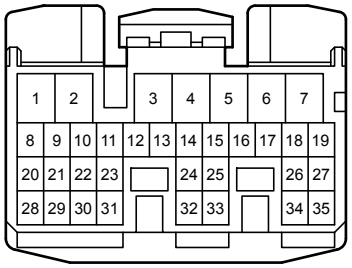

E 21
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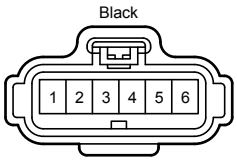

E 51
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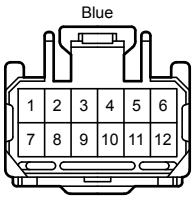

L 2
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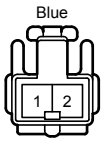

L 6
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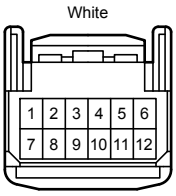

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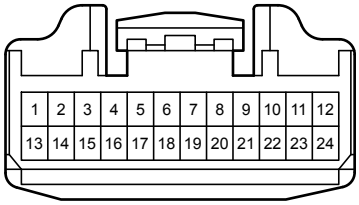

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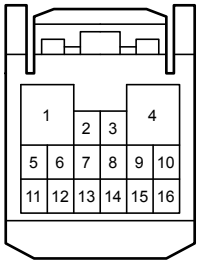

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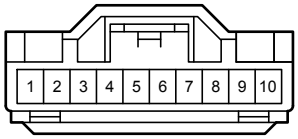

L 31
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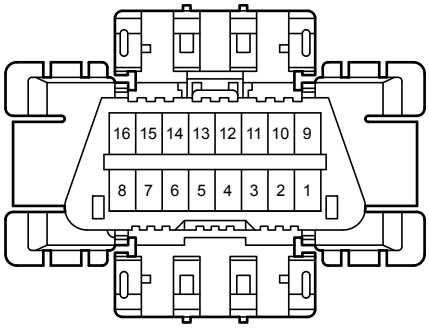

L 71
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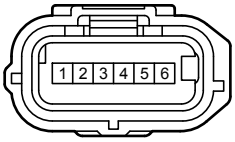

L 75
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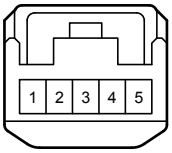

L 88
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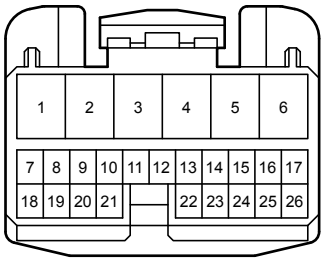

L 95
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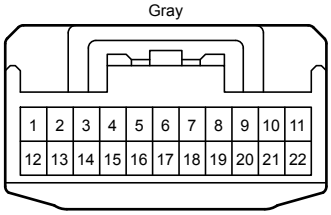

L 97
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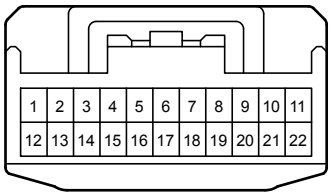

L 98
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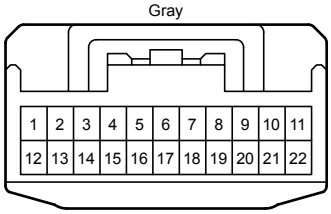

L 99
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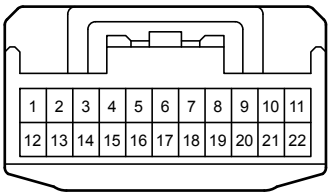

L124
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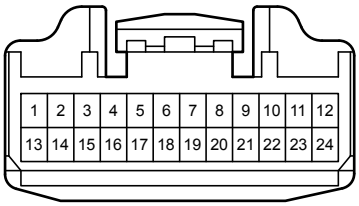

R 1
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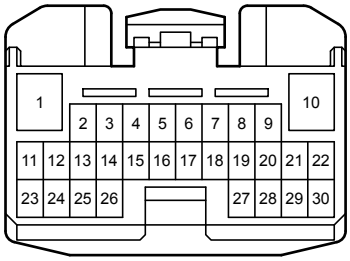
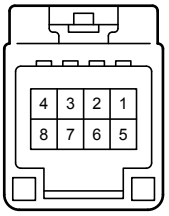
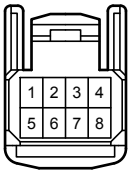


R 6
White

R 64
White



S 47
White



S 49
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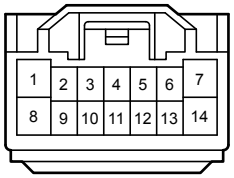
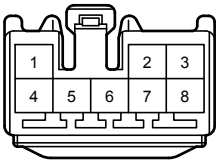
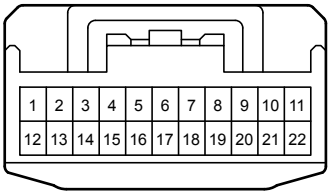


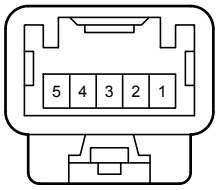
S 54
White



S 58
White



S 73
White



z 15
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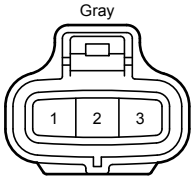

z 16
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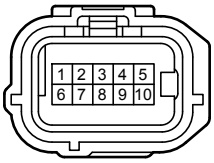

2B
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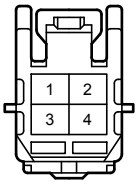
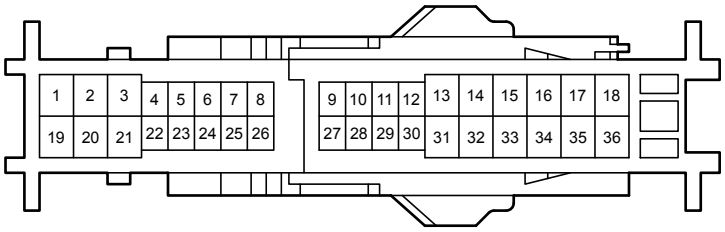
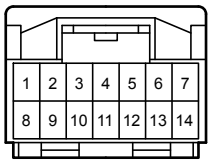


2C
White



2G
Black



3A
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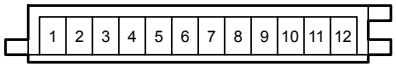

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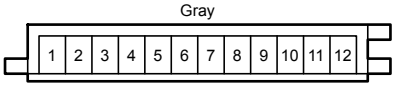

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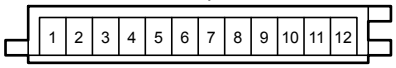

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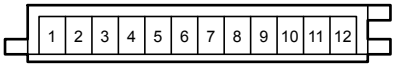

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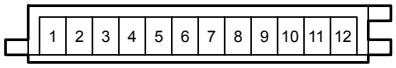

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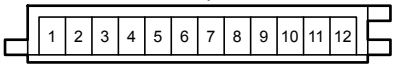

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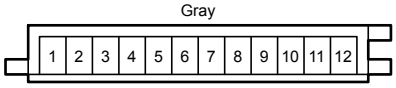

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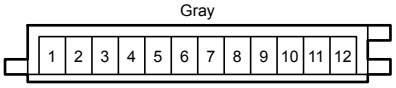

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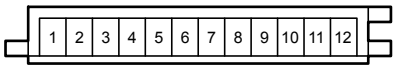

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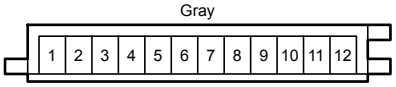

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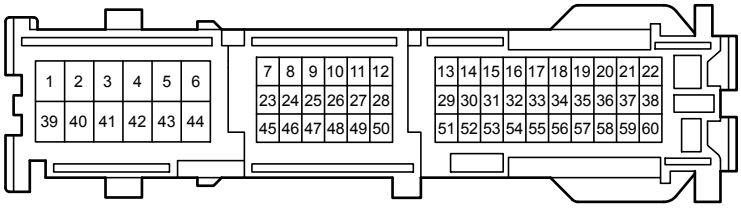

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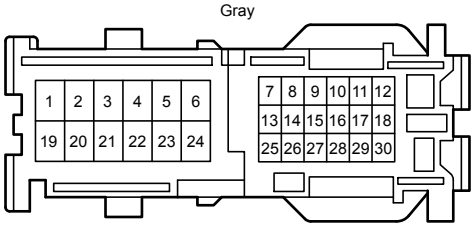

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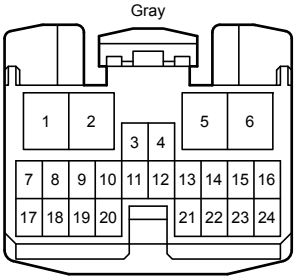

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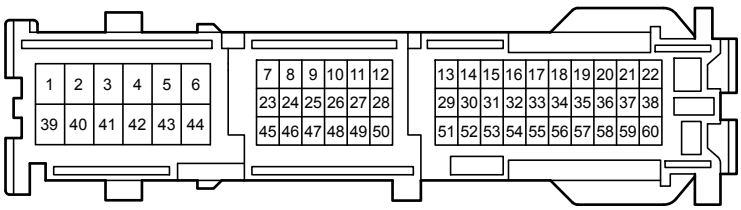

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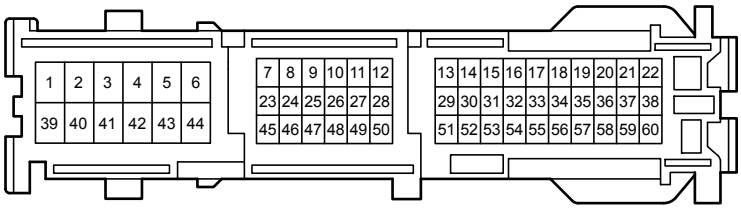

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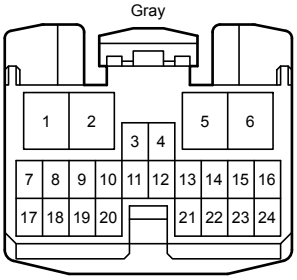

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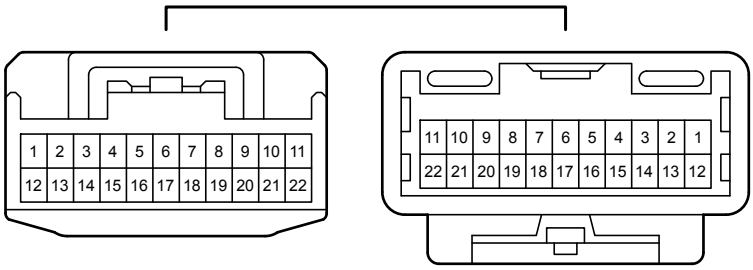

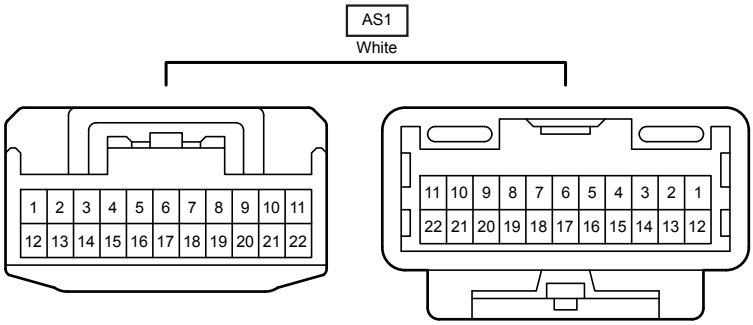
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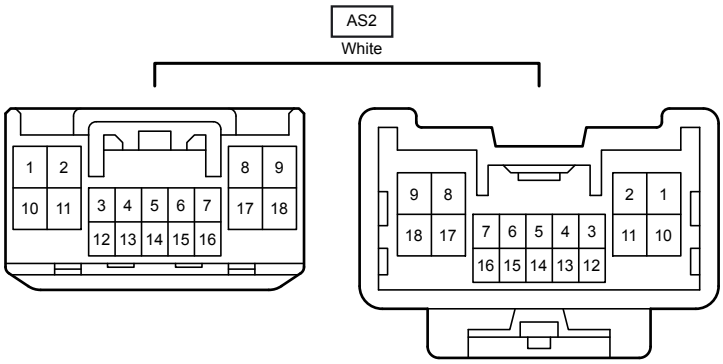
AS2
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3 4 5 6 7
12 13 14 15 16
8 9
17 18
9 8
18 17
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2 1
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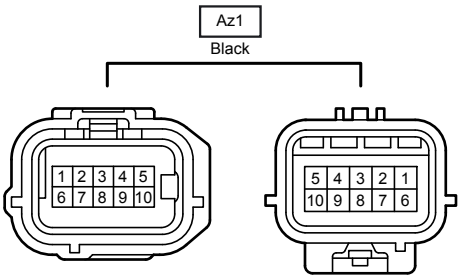
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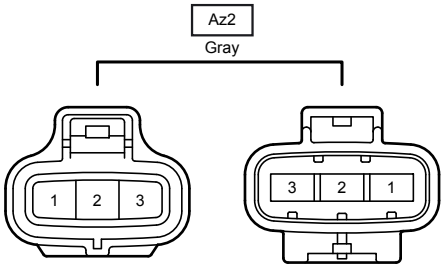
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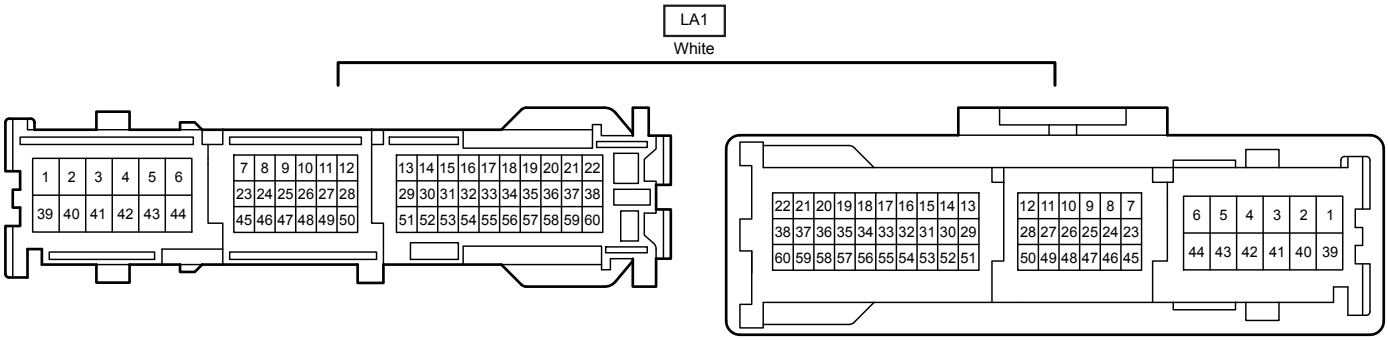
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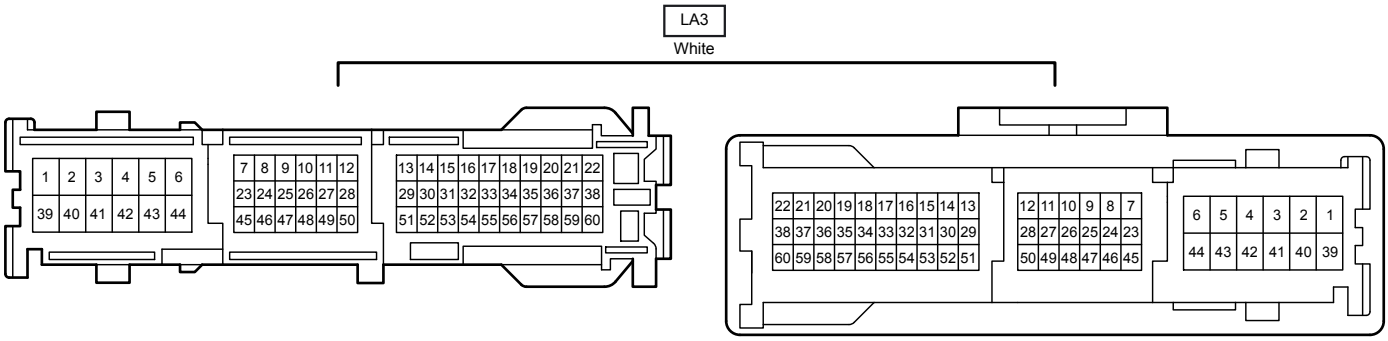
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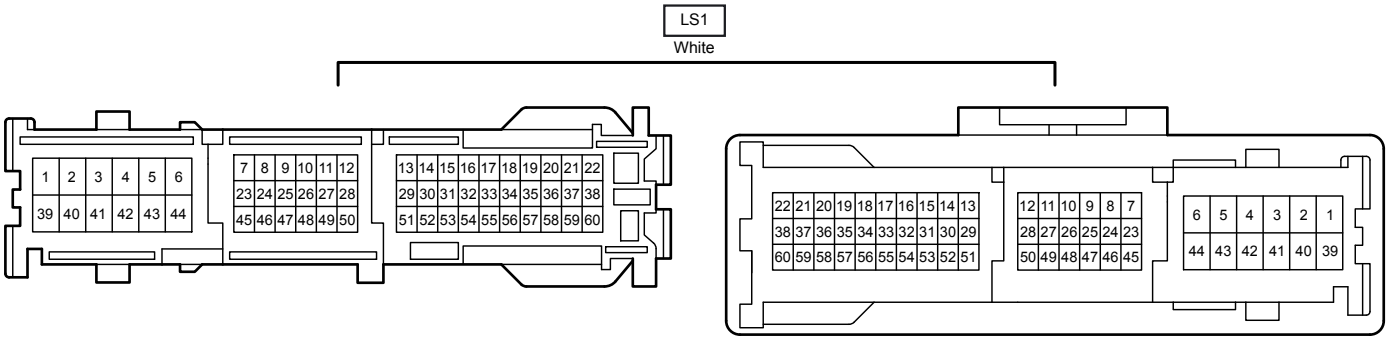
LS1
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28 27 26 25 24 23
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6 5 4 3 2 1
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