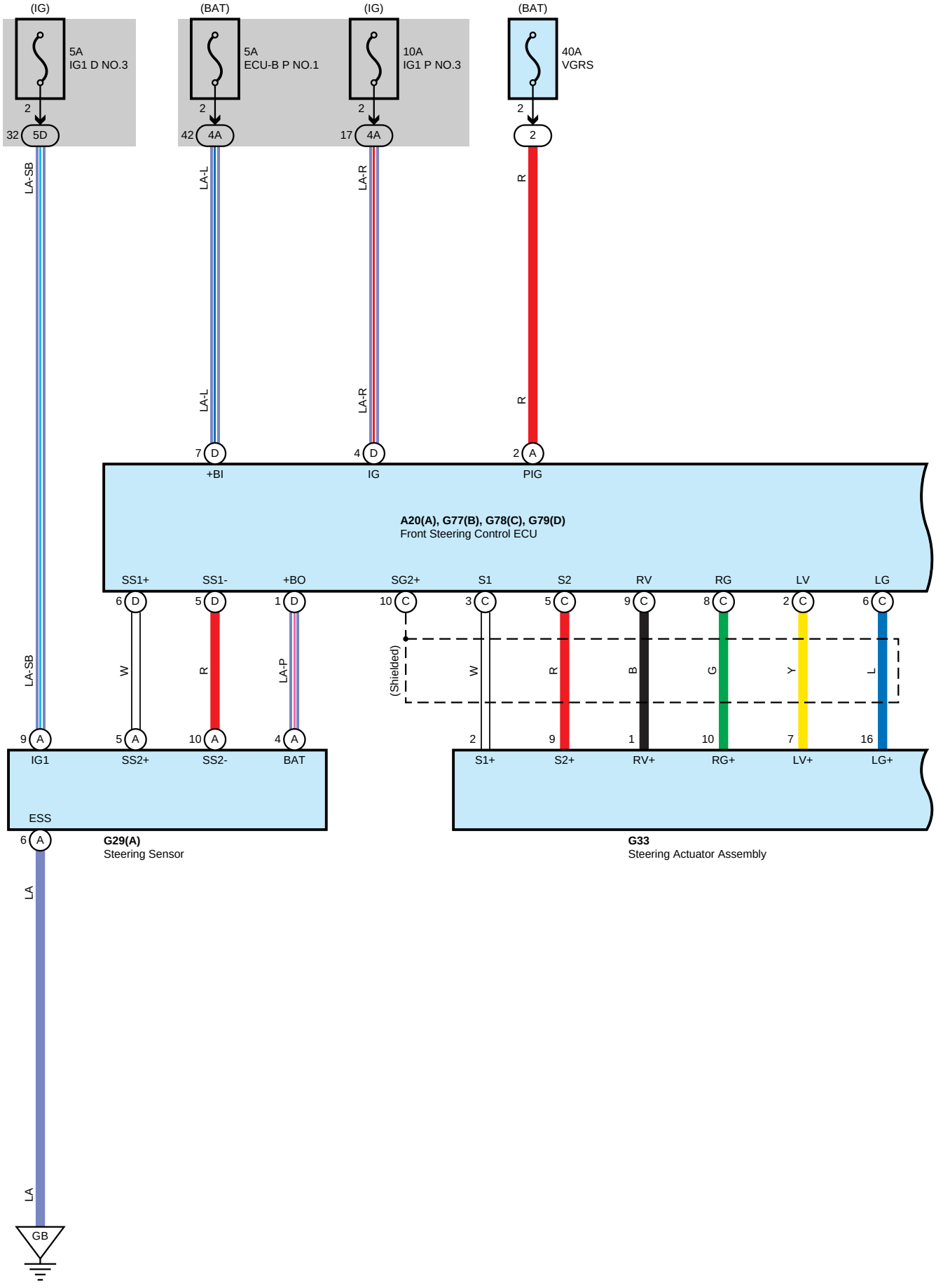
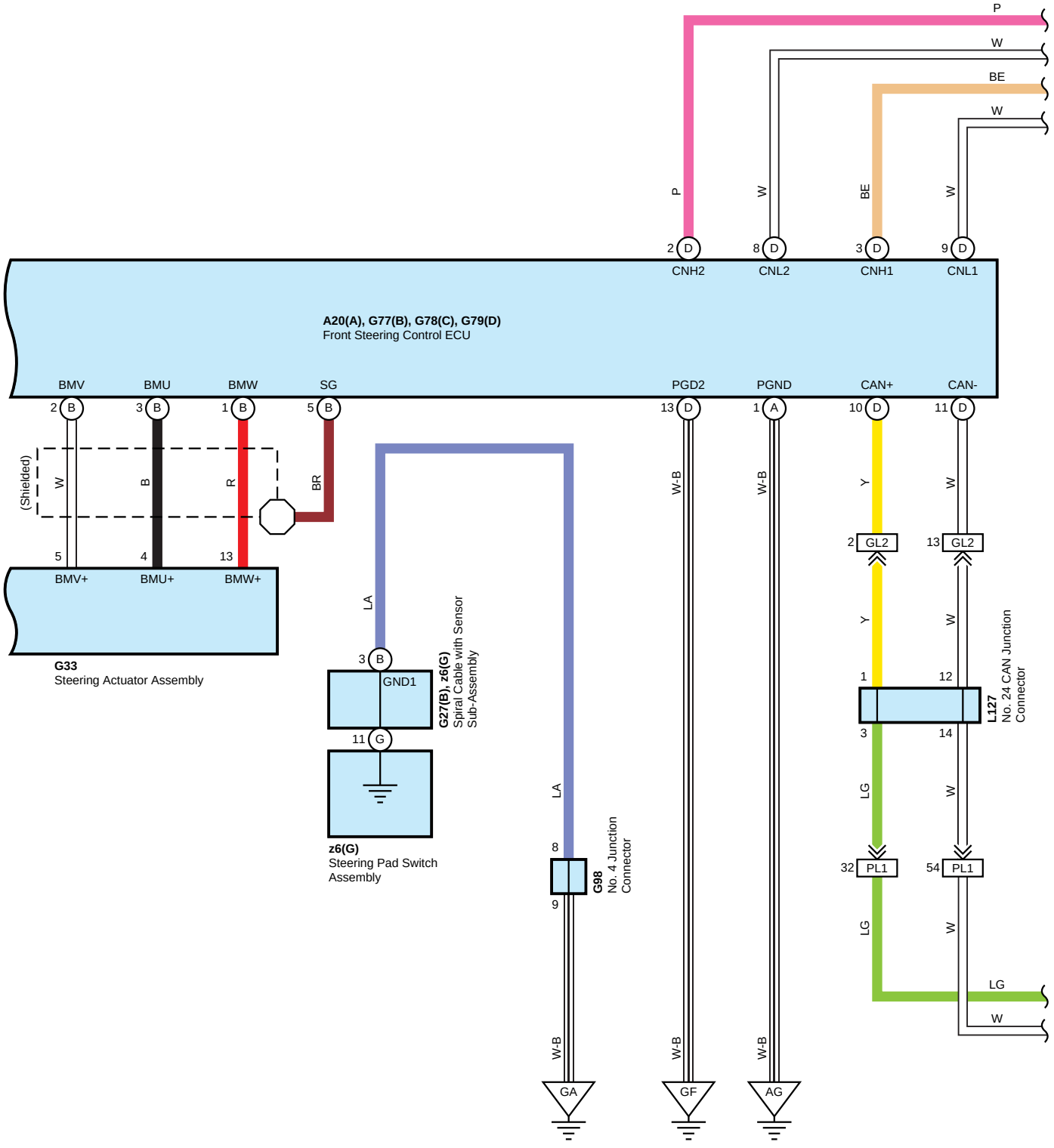
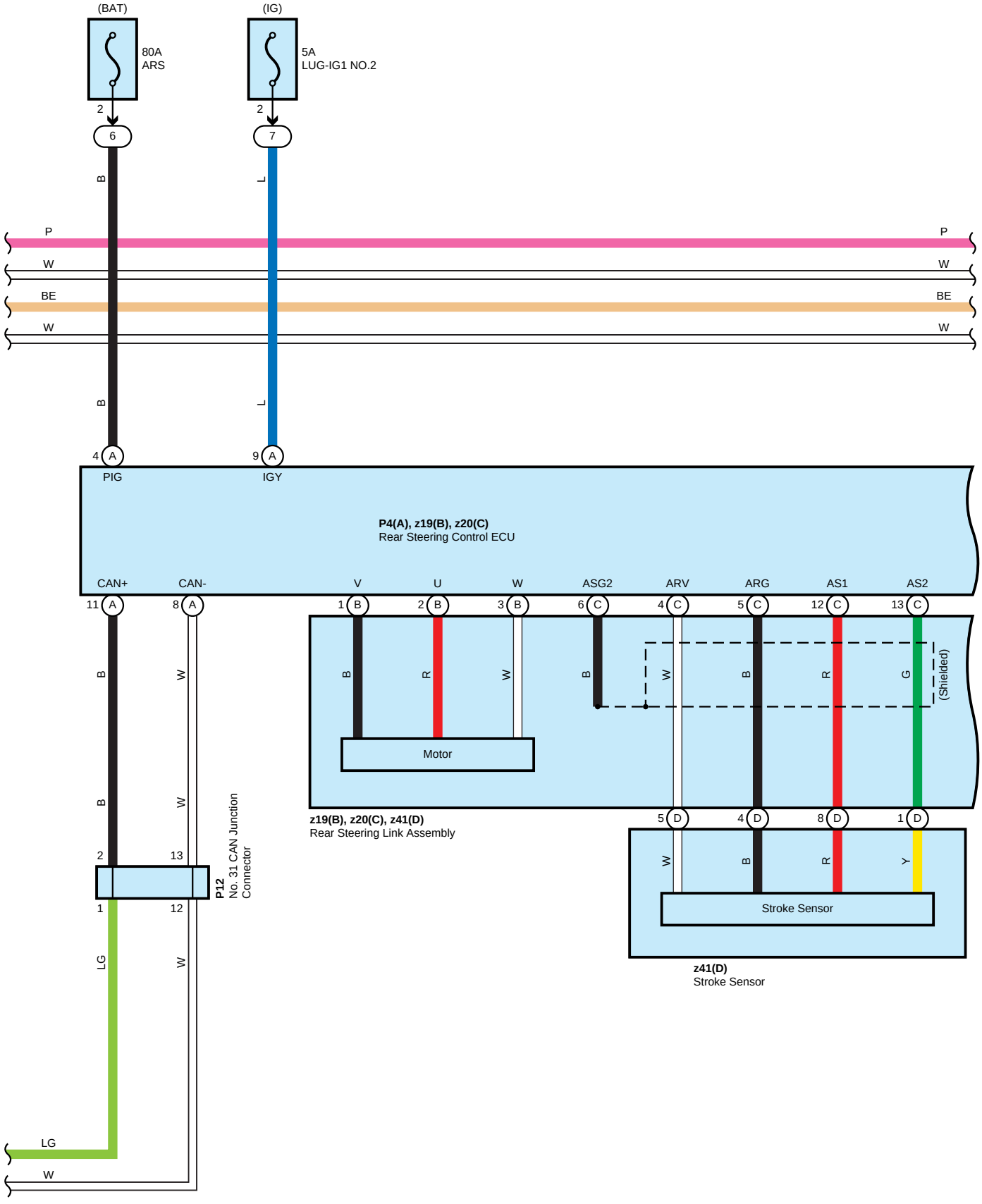
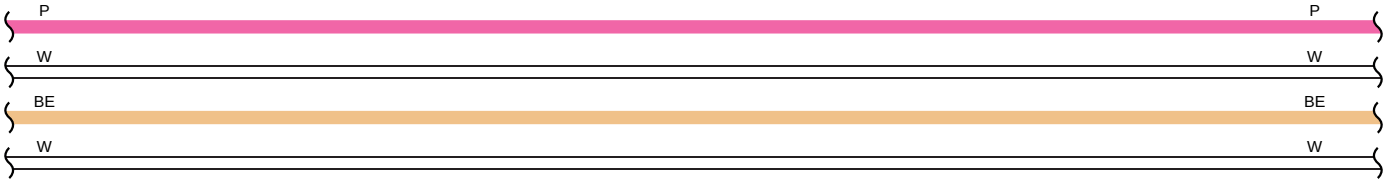
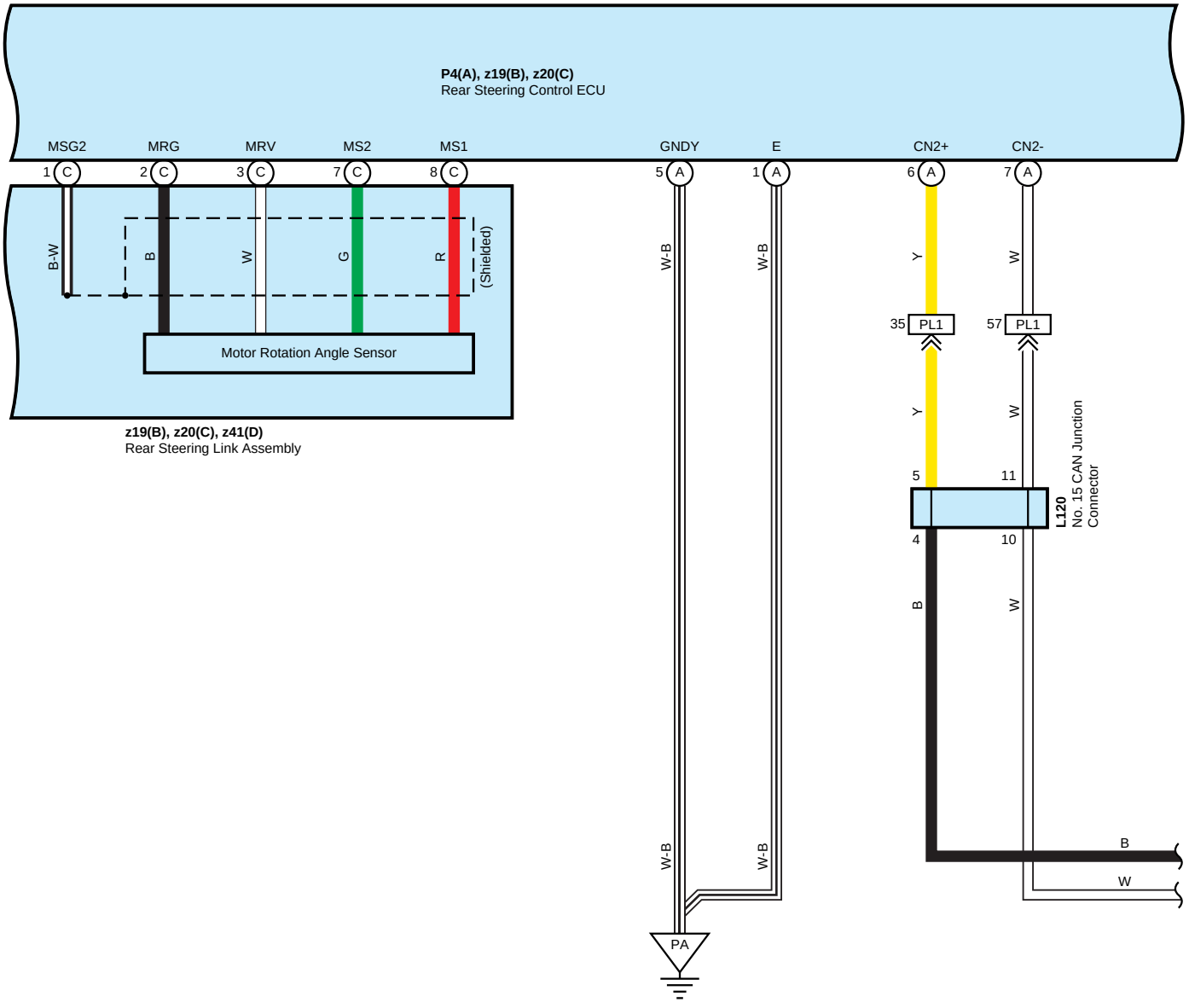
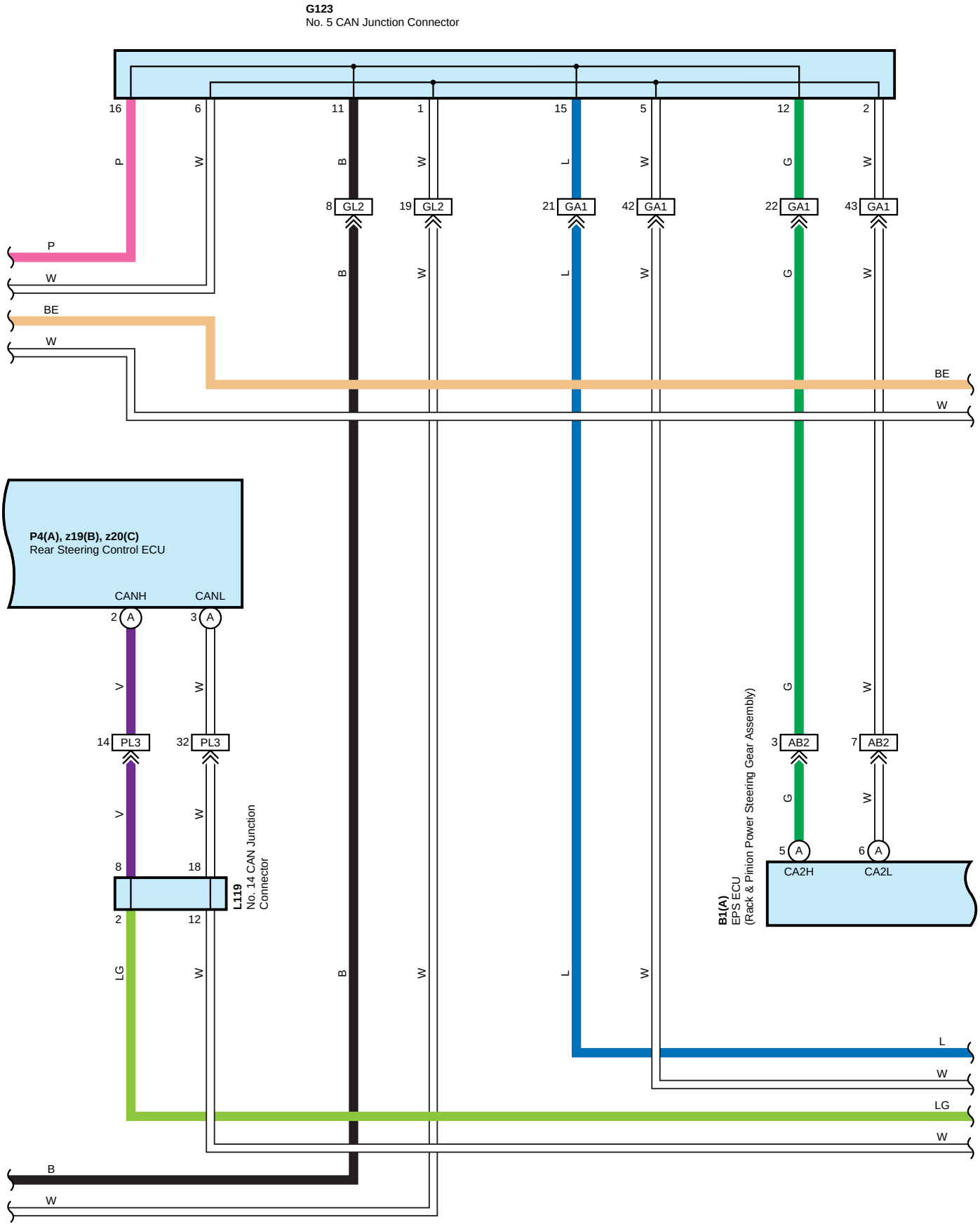

(IG)
5A
IG1 D NO.3
(BAT)
5A
ECU-B P NO.1
(IG)
10A
IG1 P NO.3
(BAT)
40A
VGRS
2
32 5D
42 4A
17 4A
2
LA-SB
LA-L
LA-R
R
7 D
4 D
2 A
+BI
IG
PIG
A20(A), G77(B), G78(C), G79(D)
Front Steering Control ECU
SS1+
SS1-
+BO
SG2+
S1
S2
RV
RG
LV
LG
6 D
5 D
1 D
10 C
3 C
5 C
9 C
8 C
2 C
6 C
W
R
LA-P
(Shielded)
B
G
Y
L
9 A
5 A
10 A
4 A
2
9
1
10
7
16
IG1
SS2+
SS2-
BAT
S1+
S2+
RV+
RG+
LV+
LG+
ESS
6 A
G29(A)
Steering Sensor
G33
Steering Actuator Assembly
LA
GB

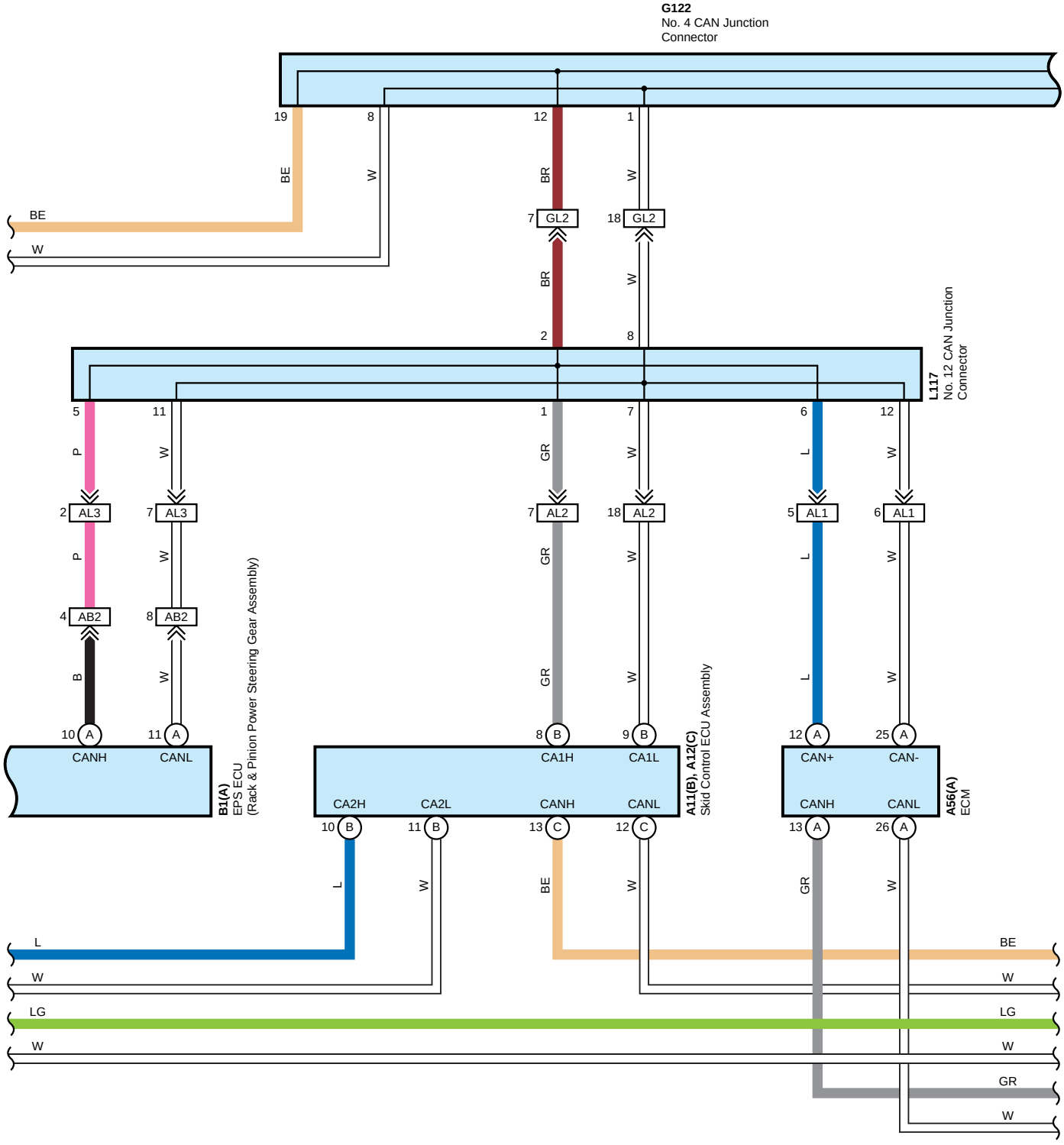

P
W
BE
W
P
W
BE
W
2 D
8 D
3 D
9 D
CNH2
CNL2
CNH1
CNL1
A20(A), G77(B), G78(C), G79(D)
Front Steering Control ECU
BMV
BMU
BMW
SG
PGD2
PGND
CAN+
CAN-
2 B
3 B
1 B
5 B
13 D
1 A
10 D
11 D
(Shielded)
W
B
R
BR
5
4
13
BMV+
BMU+
BMW+
G33
Steering Actuator Assembly
LA
3 B
GND1
G27(B), z6(G)
Spiral Cable with Sensor
Sub-Assembly
11 G
z6(G)
Steering Pad Switch
Assembly
LA
8
9
G98
No. 4 Junction
Connector
W-B
W-B
W-B
W-B
GA
GF
AG
Y
W
2 GL2
13 GL2
Y
W
1
12
3
14
L127
No. 24 CAN Junction
Connector
LG
W
32 PL1
54 PL1
LG
W
LG
W

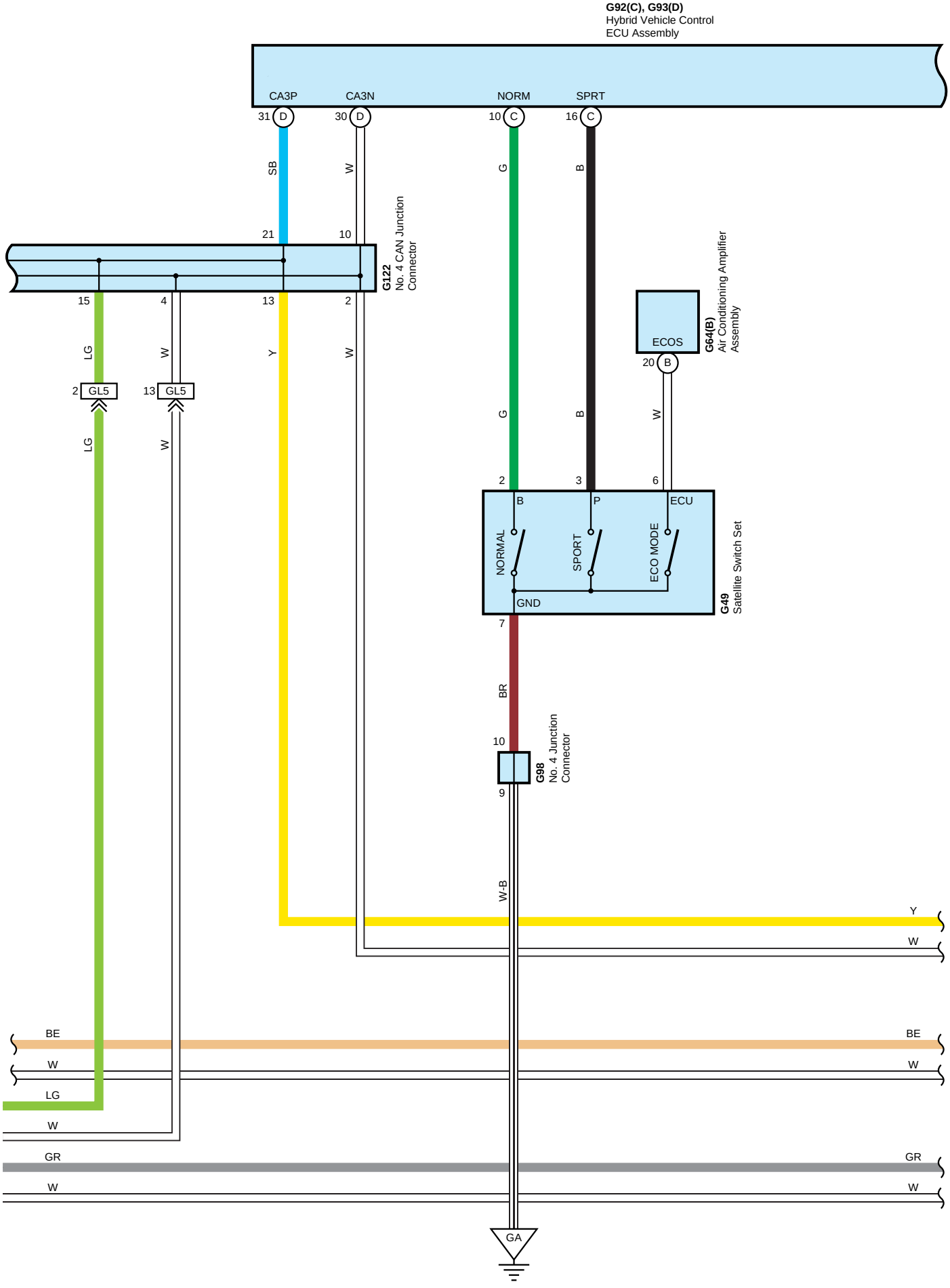

(BAT)
80A
ARS
(IG)
5A
LUG-IG1 NO.2
2
6
7
B
L
P
W
BE
W
4 A
PIG
9 A
IGY
P4(A), z19(B), z20(C)
Rear Steering Control ECU
CAN+
CAN-
V
U
W
ASG2
ARV
ARG
AS1
AS2
11 A
8 A
1 B
2 B
3 B
6 C
4 C
5 C
12 C
13 C
R
G
(Shielded)
Motor
z19(B), z20(C), z41(D)
Rear Steering Link Assembly
5 D
4 D
8 D
1 D
Y
Stroke Sensor
z41(D)
Stroke Sensor
2
13
1
12
P12
No. 31 CAN Junction
Connector
LG

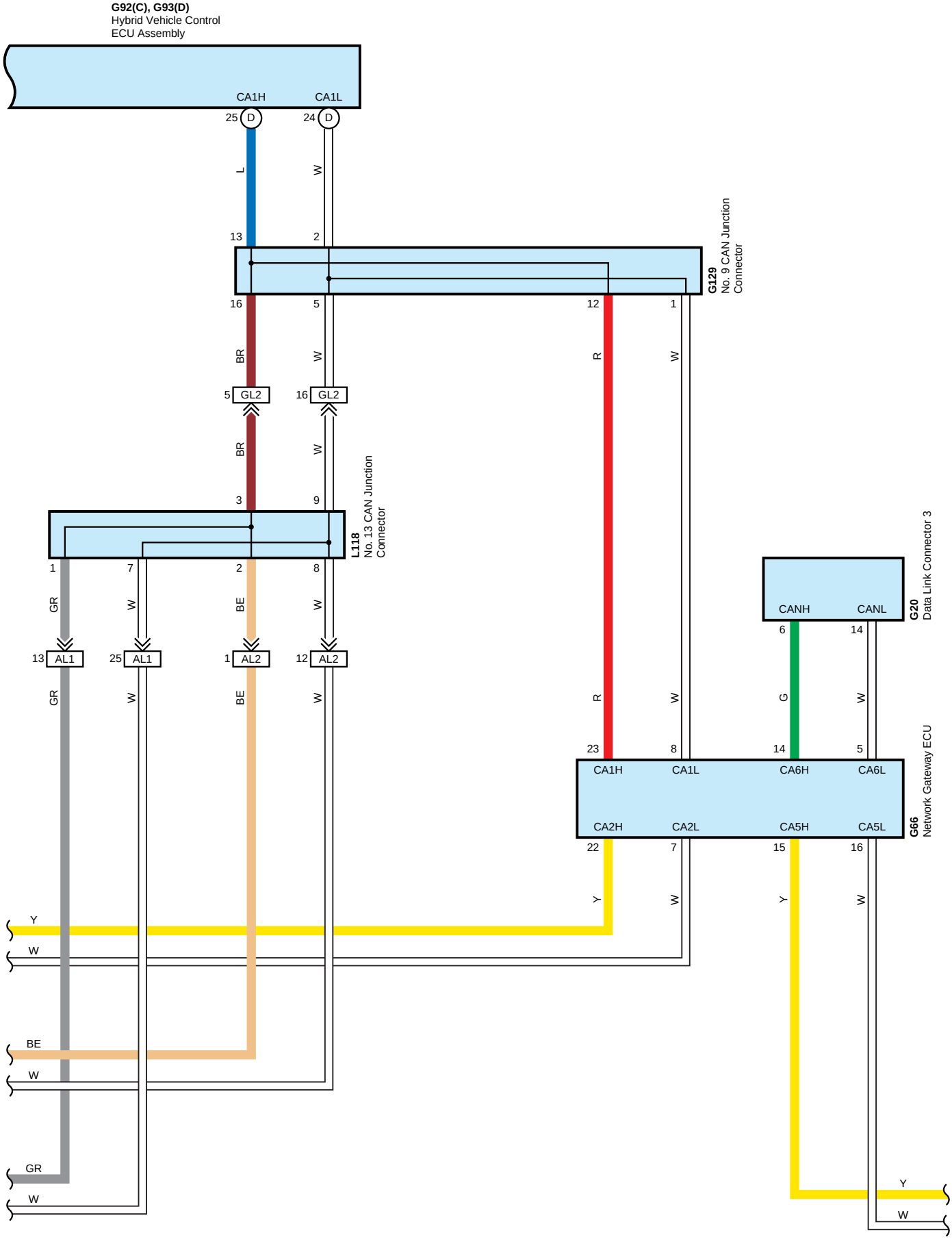

P
P
W
W
BE
BE
W
W

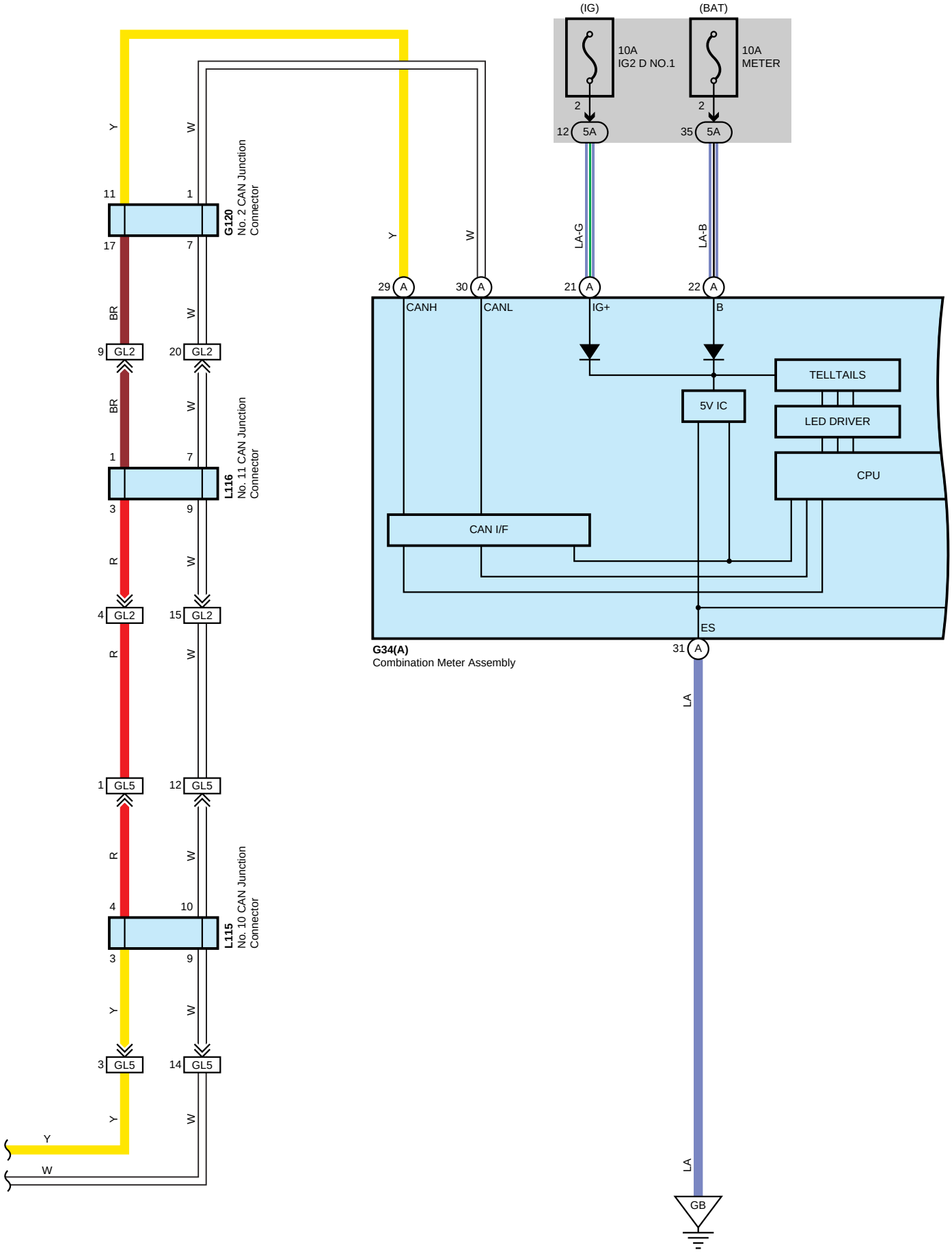

P4(A), z19(B), z20(C)
Rear Steering Control ECU
MSG2
MRG
MRV
MS2
MS1
GNDY
E
CN2+
CN2-
1 C
2 C
3 C
7 C
8 C
5 A
1 A
6 A
7 A
B-W
B
W
G
R
(Shielded)
Motor Rotation Angle Sensor
z19(B), z20(C), z41(D)
Rear Steering Link Assembly
W-B
W-B
Y
W
35 PL1
57 PL1
Y
W
5
11
L120
No. 15 CAN Junction Connector
4
10
B
W
W-B
W-B
B
W
PA

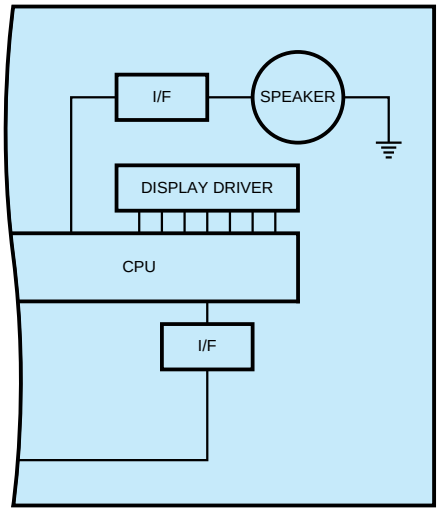

G123
No. 5 CAN Junction Connector
16
6
11
1
15
5
12
2
P
W
B
W
L
W
G
W
8 GL2
19 GL2
21 GA1
42 GA1
22 GA1
43 GA1
P
W
BE
W
BE
W
P4(A), z19(B), z20(C)
Rear Steering Control ECU
CANH
CANL
2 A
3 A
V
W
14 PL3
32 PL3
V
W
8
18
2
12
L119
No. 14 CAN Junction Connector
LG
W
B
W
L
W
G
W
3 AB2
7 AB2
G
W
5 A
6 A
CA2H
CA2L
B1(A)
EPS ECU
(Rack & Pinion Power Steering Gear Assembly)
L
W
LG
W
B
W


G122
No. 4 CAN Junction Connector
19
8
12
1
BE
W
BR
W
7 GL2
18 GL2
BR
W
2
8
L117
No. 12 CAN Junction Connector
5
11
1
7
6
12
P
W
GR
W
L
W
2 AL3
7 AL3
7 AL2
18 AL2
5 AL1
6 AL1
P
W
GR
W
L
W
4 AB2
8 AB2
B
W
GR
W
L
W
10 A
11 A
8 B
9 B
12 A
25 A
CANH
CANL
CA1H
CA1L
CAN+
CAN-
B1(A)
EPS ECU
(Rack & Pinion Power Steering Gear Assembly)
A11(B), A12(C)
Skid Control ECU Assembly
A56(A)
ECM
CA2H
CA2L
CANH
CANL
CANH
CANL
10 B
11 B
13 C
12 C
13 A
26 A
L
W
BE
W
GR
W
L
W
LG
W
BE
W
LG
W
GR
W


G92(C), G93(D)
Hybrid Vehicle Control
ECU Assembly
CA3P
CA3N
NORM
SPRT
31 D
30 D
10 C
16 C
SB
W
G
B
21
10
G122
No. 4 CAN Junction
Connector
15
4
13
2
LG
W
Y
W
2 GL5
13 GL5
LG
W
ECOS
G64(B)
Air Conditioning Amplifier
Assembly
20 B
W
G
B
2
3
6
B
P
ECU
NORMAL
SPORT
ECO MODE
GND
G49
Satellite Switch Set
7
BR
10
G98
No. 4 Junction
Connector
9
W-B
Y
W
BE
W
LG
W
GR
W
BE
W
GR
W
GA

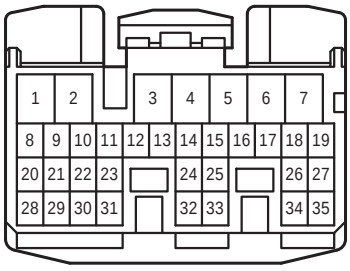

G92(C), G93(D)
Hybrid Vehicle Control
ECU Assembly
CA1H
CA1L
25 D
24 D
L
W
13
2
G129
No. 9 CAN Junction
Connector
16
5
12
1
BR
W
R
W
5 GL2
16 GL2
BR
W
3
9
L118
No. 13 CAN Junction
Connector
1
7
2
8
GR
W
BE
W
13 AL1
25 AL1
1 AL2
12 AL2
GR
W
BE
W
CANH
CANL
G20
Data Link Connector 3
6
14
R
W
G
W
23
8
14
5
CA1H
CA1L
CA6H
CA6L
CA2H
CA2L
CA5H
CA5L
G66
Network Gateway ECU
22
7
15
16
Y
W
Y
W
Y
W
BE
W
GR
W
Y
W


(IG)
(BAT)
10A
IG2 D NO.1
10A
METER
2
2
12
5A
35
5A
LA-G
LA-B
Y
W
11
1
G120
No. 2 CAN Junction
Connector
17
7
BR
W
9
GL2
20
GL2
BR
W
1
7
L116
No. 11 CAN Junction
Connector
3
9
R
W
4
GL2
15
GL2
R
W
1
GL5
12
GL5
R
W
4
10
L115
No. 10 CAN Junction
Connector
3
9
Y
W
3
GL5
14
GL5
Y
W
Y
W
29
A
30
A
21
A
22
A
CANH
CANL
IG+
B
TELLTAILS
5V IC
LED DRIVER
CPU
CAN I/F
ES
G34(A)
Combination Meter Assembly
31
A
LA
LA
GB



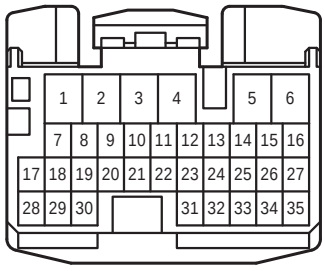
G34(A)
Combination Meter Assembly

A11
Black



90980-12528

A12
Black

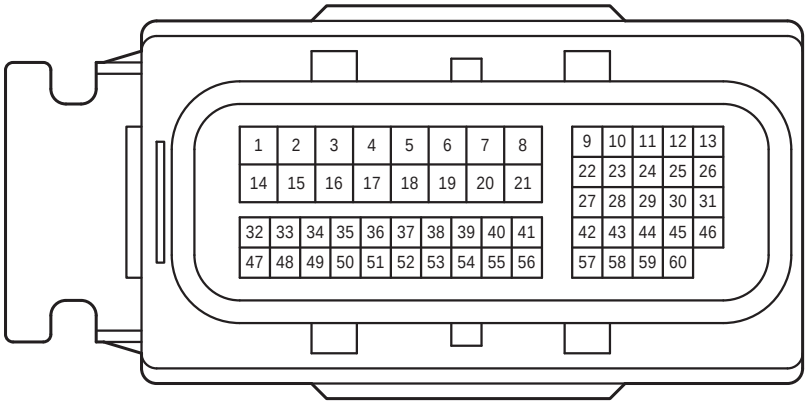


90980-12529

A20
White

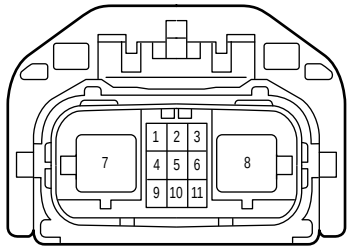
82824-30590

A56
Black



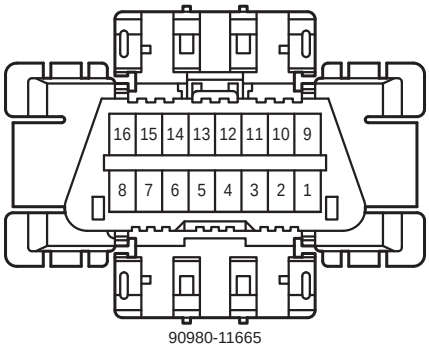
90980-12931

B1
Black



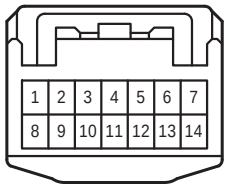
90980-12C57

G20
White



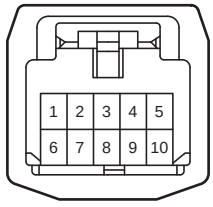
90980-11665

G27
Black



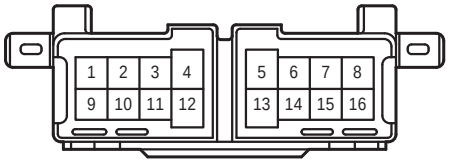
90980-12370

G29
Black



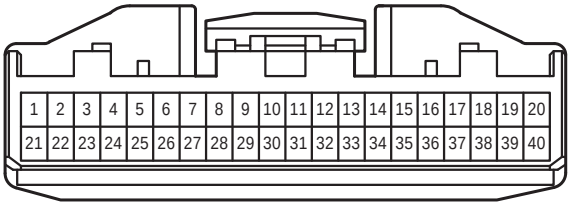
82824-78040

G33
White



90980-11547

G34
Black

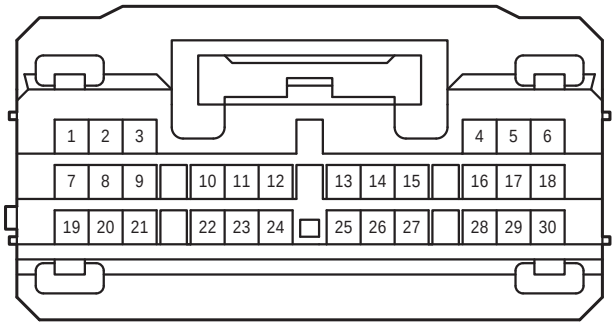


90980-12557

G49
White

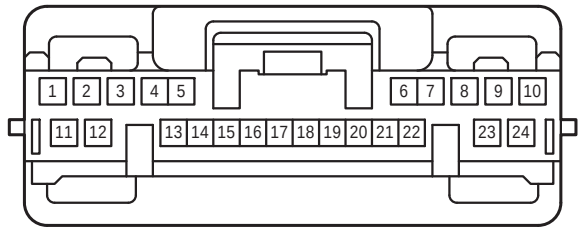
90980-12910

G64
White



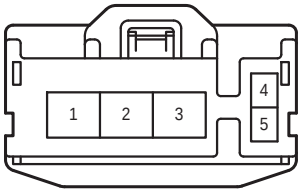
90980-12761

G66
Black



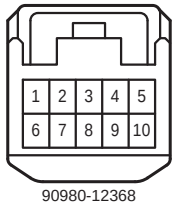
90980-12912

G77
White



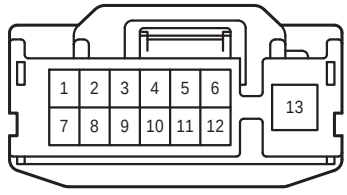
82824-30570

G78
White



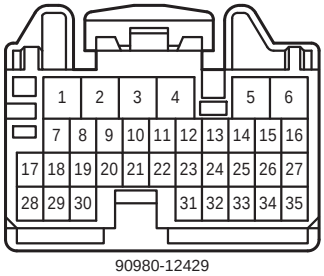
90980-12368

G79
White



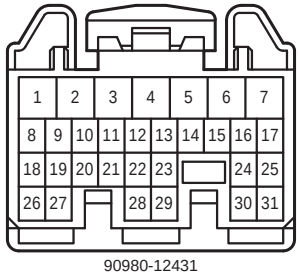
82824-30580

G92
Gray



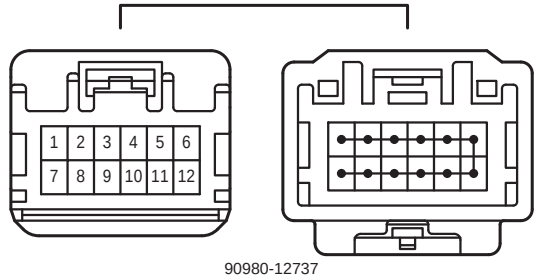
90980-12429

G93
Gray



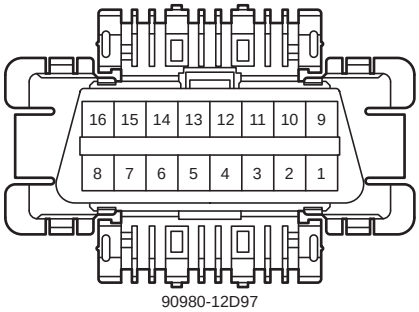
90980-12431

G98
White



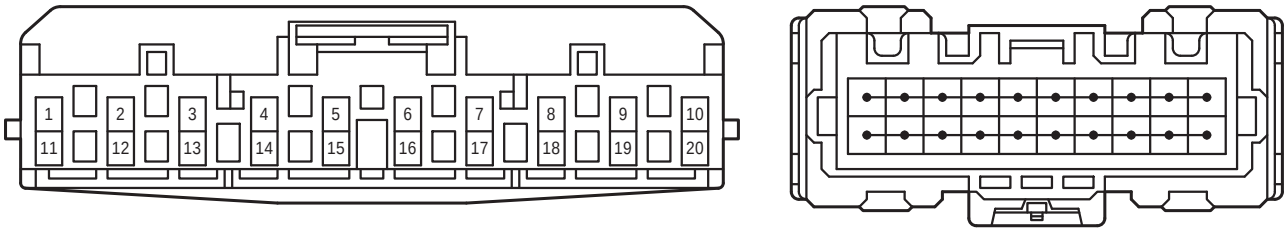
90980-12737

G112
White



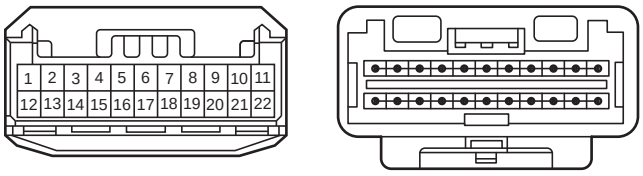
90980-12D97

G120
White



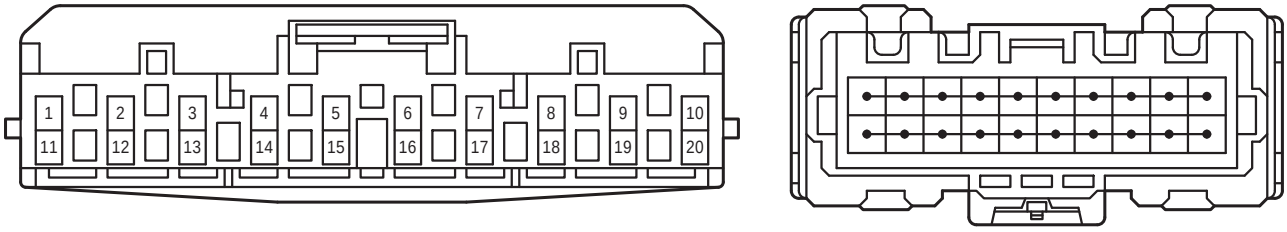
90980-12A58

G122
White



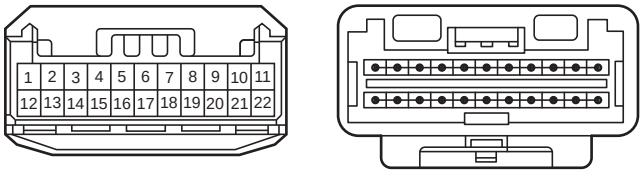
90980-12B54

G123
White



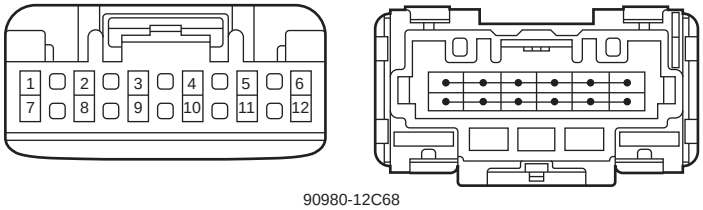
90980-12A58

G129
White



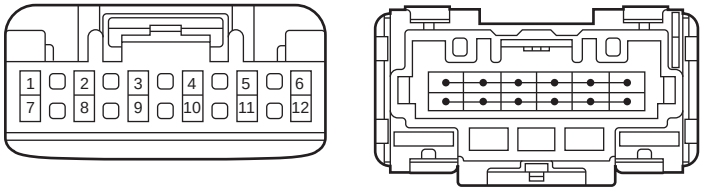
90980-12B54

L115
White



90980-12C68

L116
White



90980-12C68

L117
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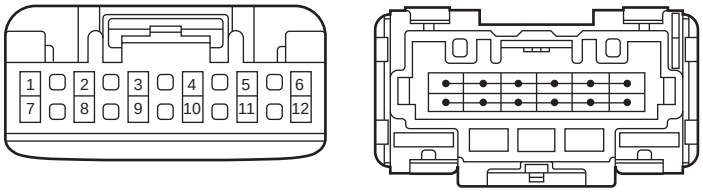

90980-12C68

L118
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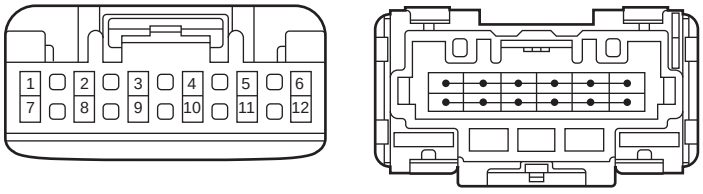

90980-12C68

L119
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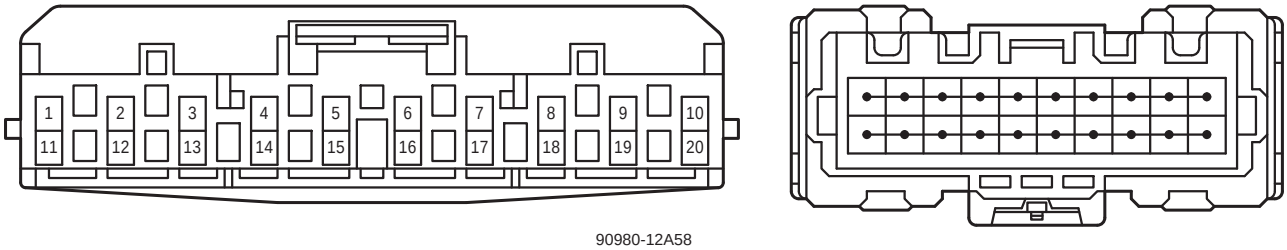
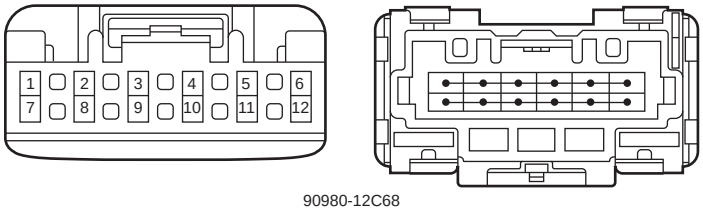


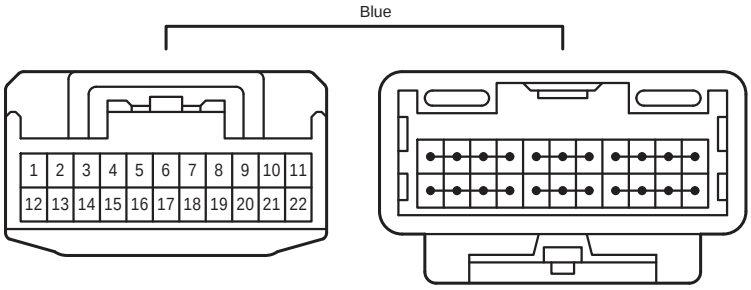
90980-12A58

L120
White



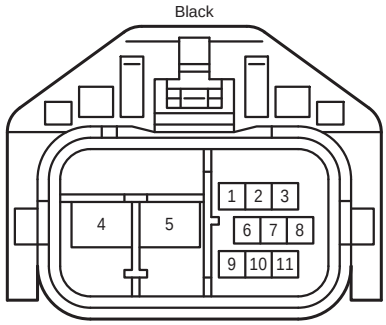
90980-12C68

L127
Blue



90980-12372

P4
Black



90980-12483

P12
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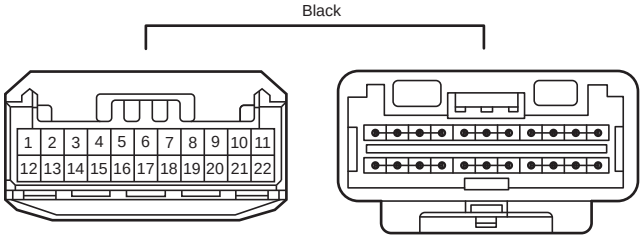
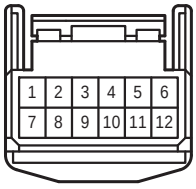


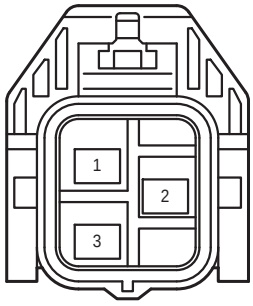
90980-12B54

z6
Black



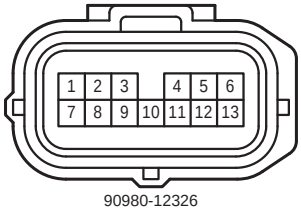
90980-12559

z19
Black



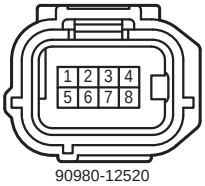
90980-12648

z20
Black



90980-12326

z41
White



90980-12520

4A
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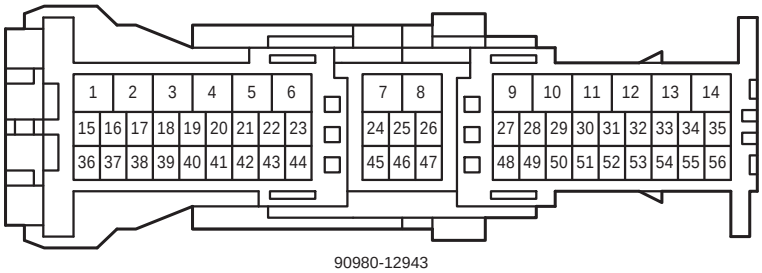

90980-12943

5A
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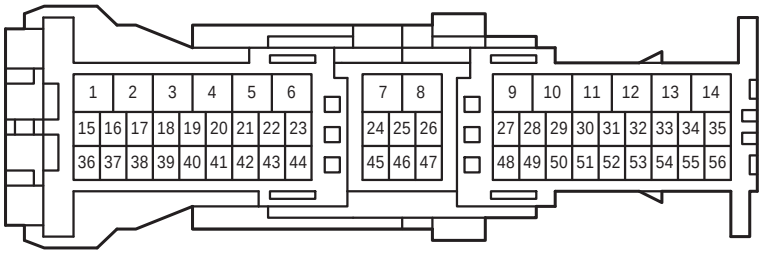

90980-12943

5D
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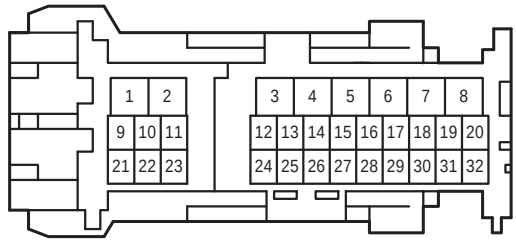
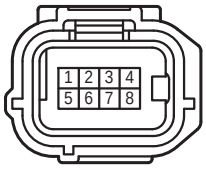


90980-12A48

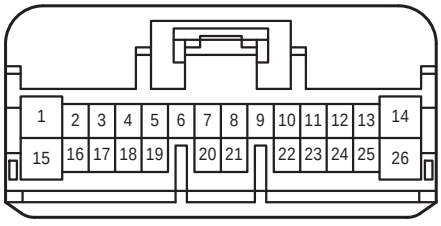
AB2
Black



90980-12520

90980-12519

AL1
White



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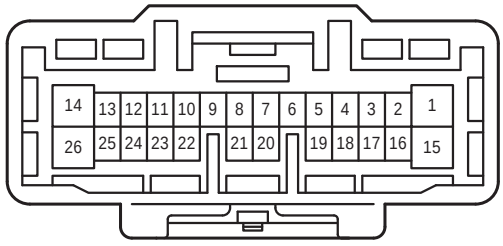
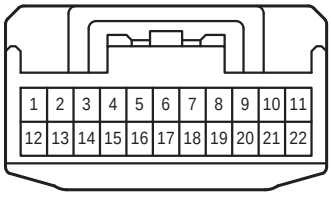
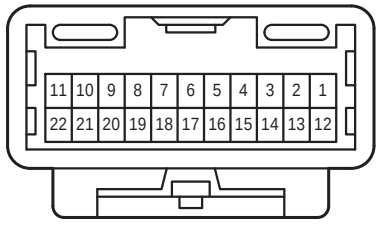


90980-12770

AL2
White

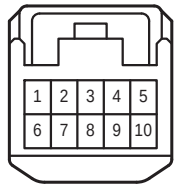


90980-12372

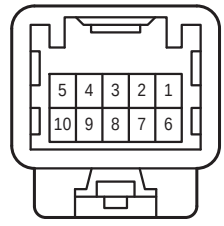


90980-12371

AL3
White

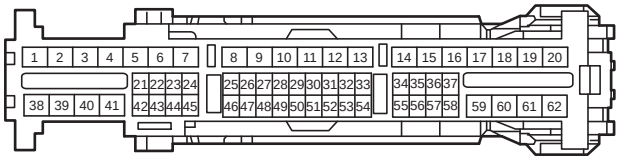


90980-12368

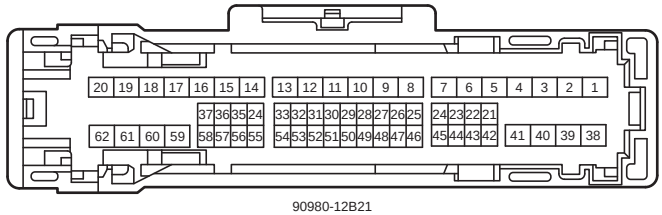


90980-12367

GA1
White

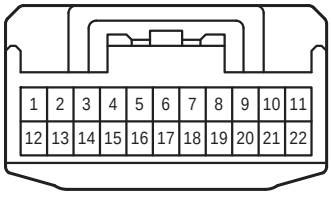


90980-12B22

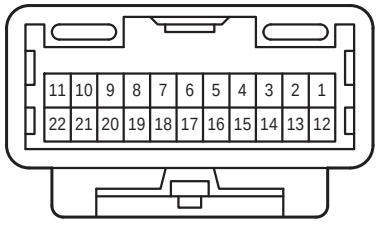


90980-12B21

GL2
White

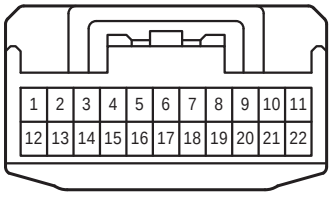


90980-12372

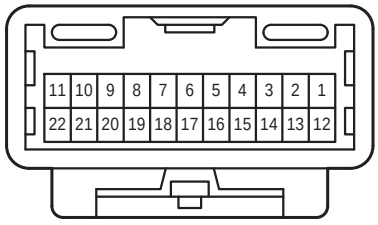


90980-12371

GL5
White

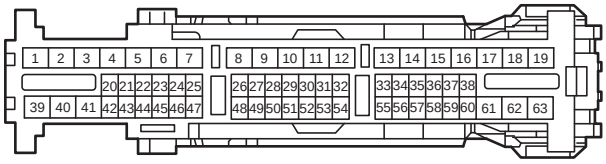


90980-12372

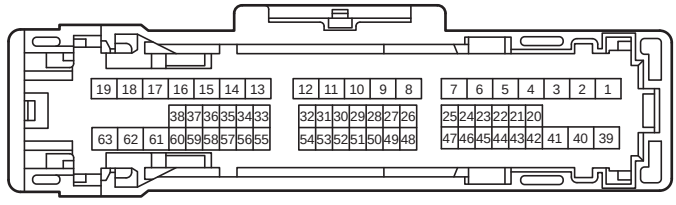


90980-12371

PL1
Gray

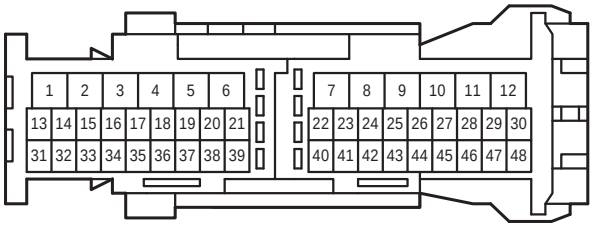


90980-12B20

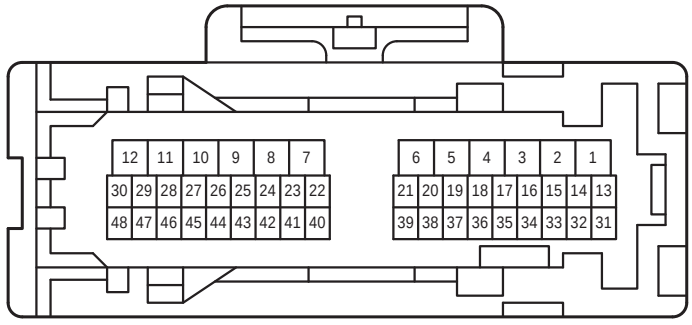


90980-12B19

PL3
White



90980-12779



90980-12799