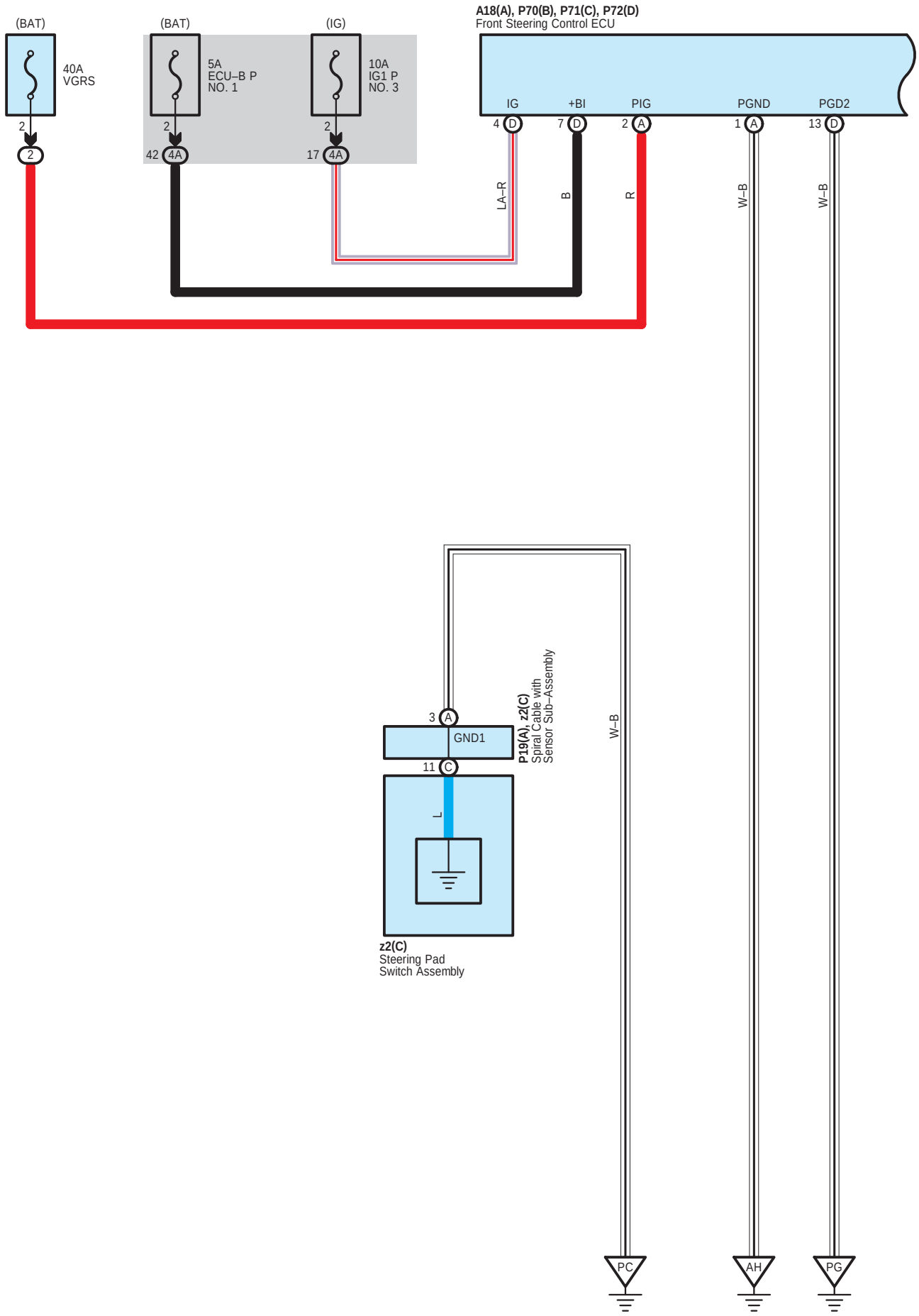
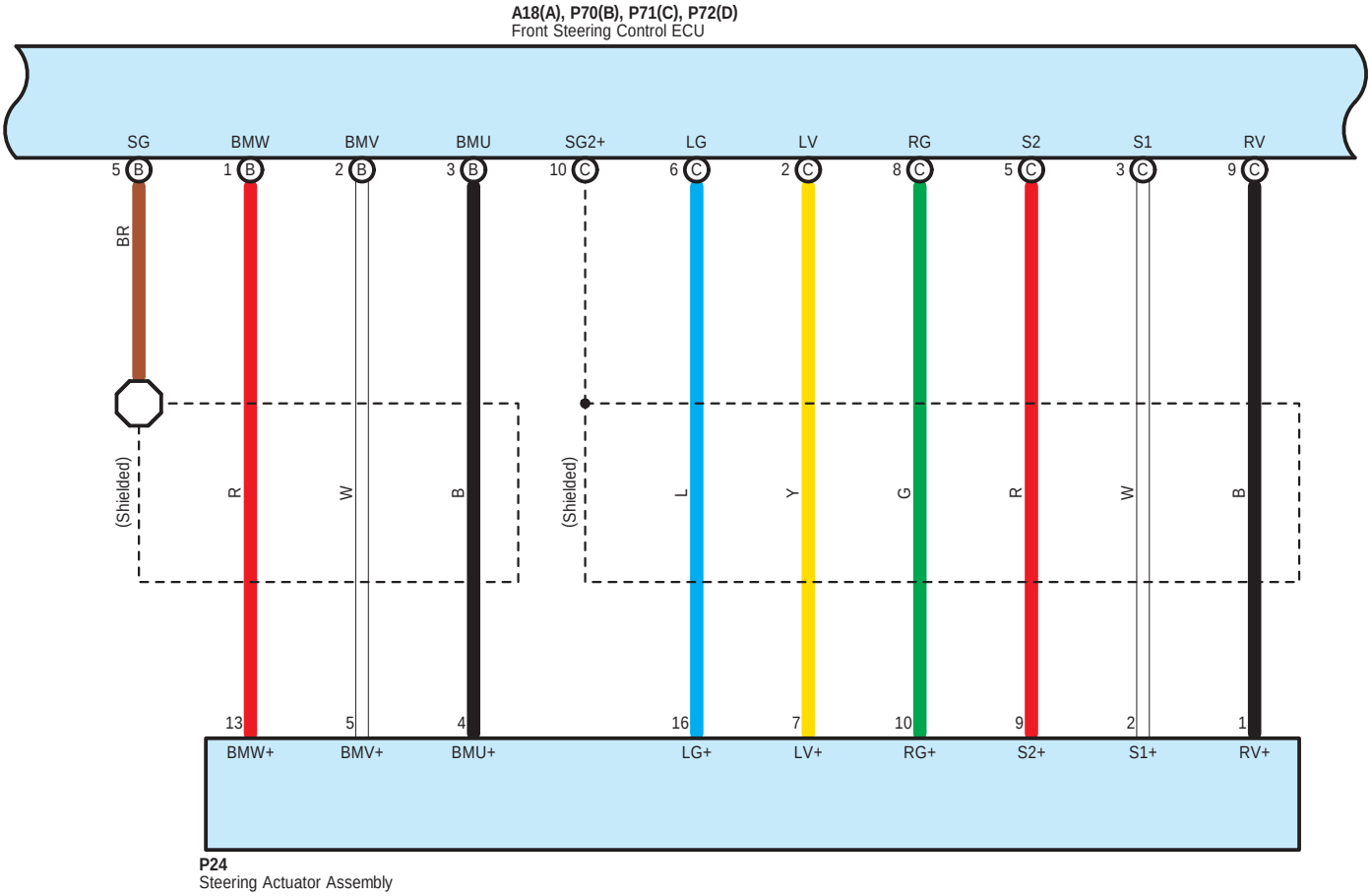
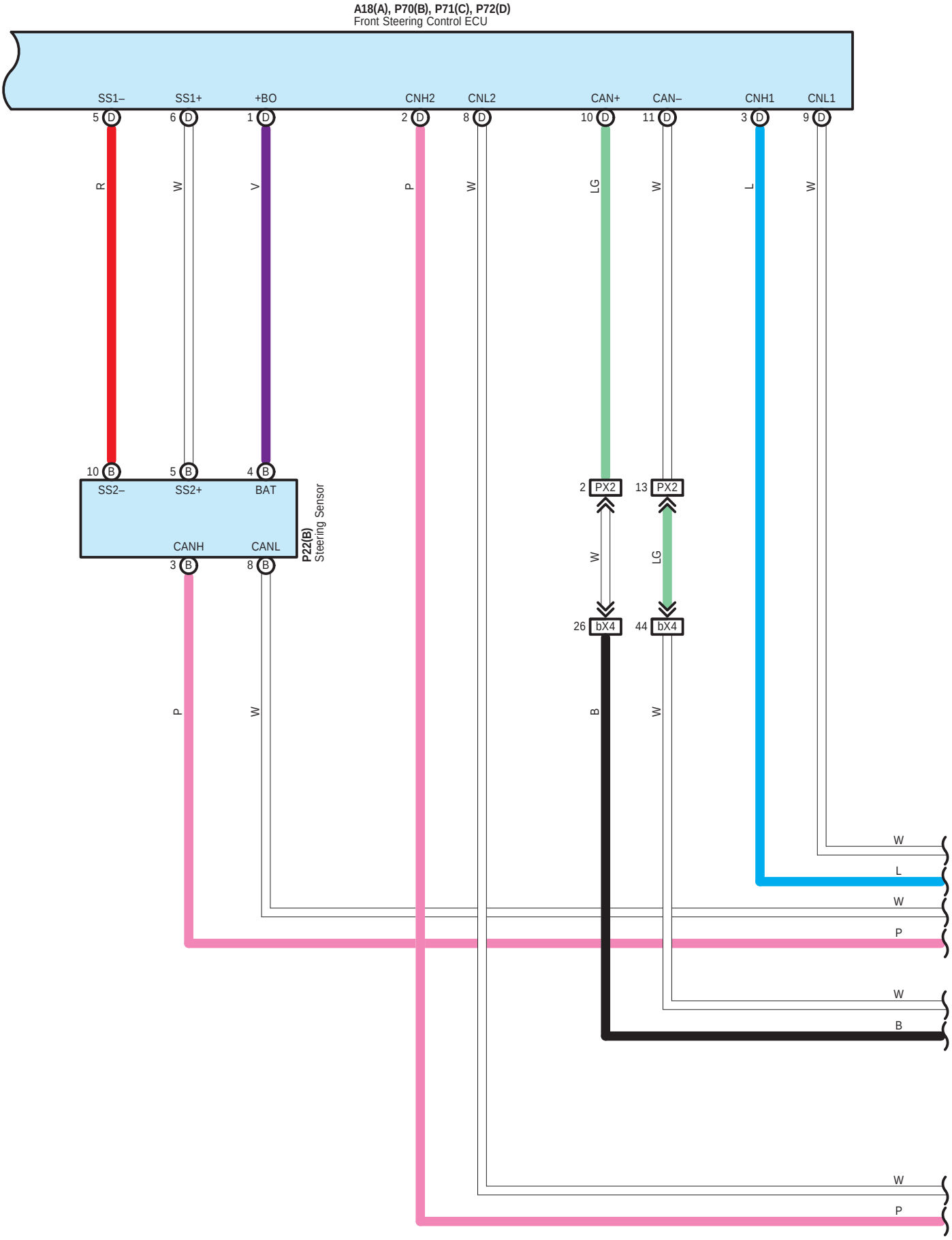
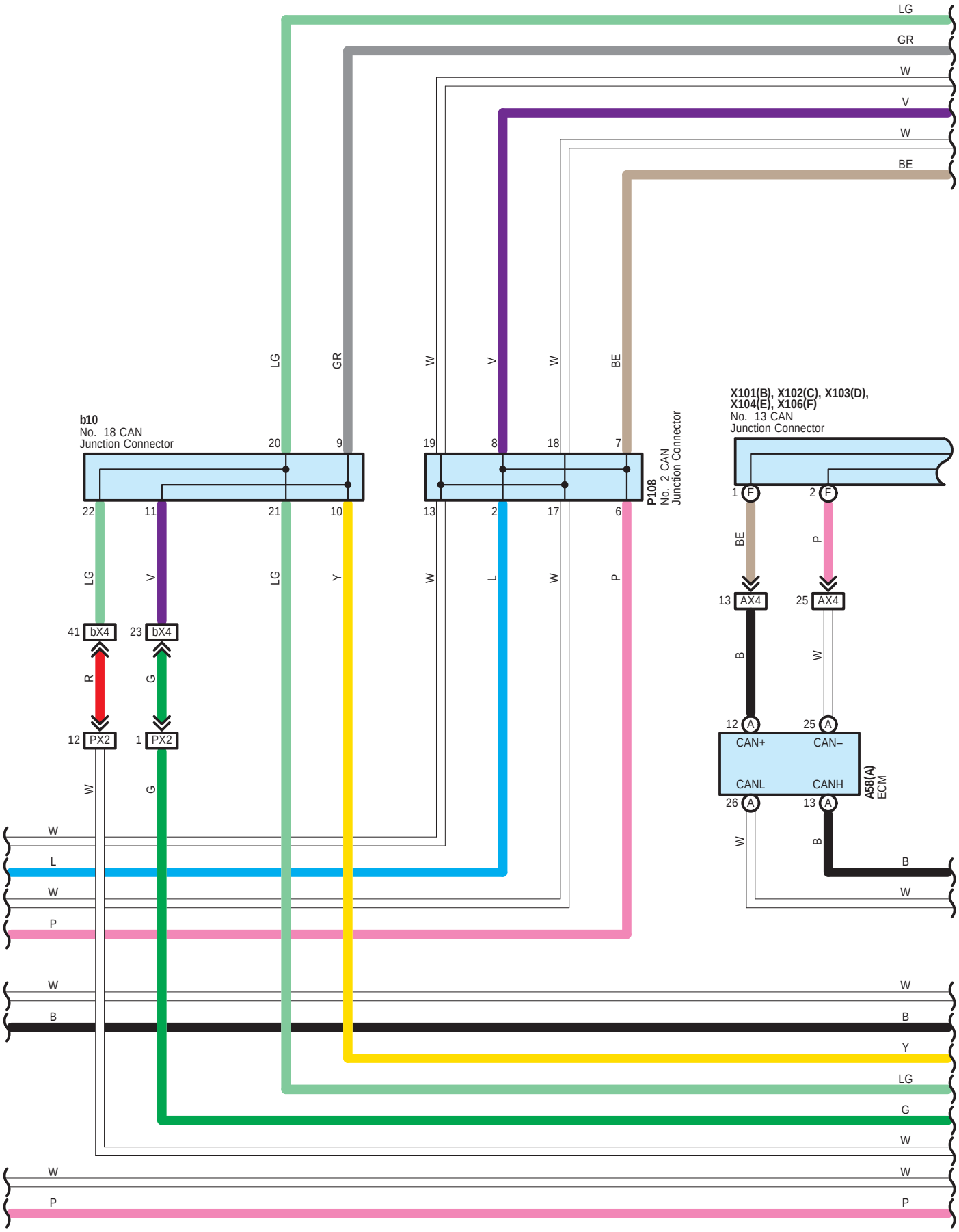
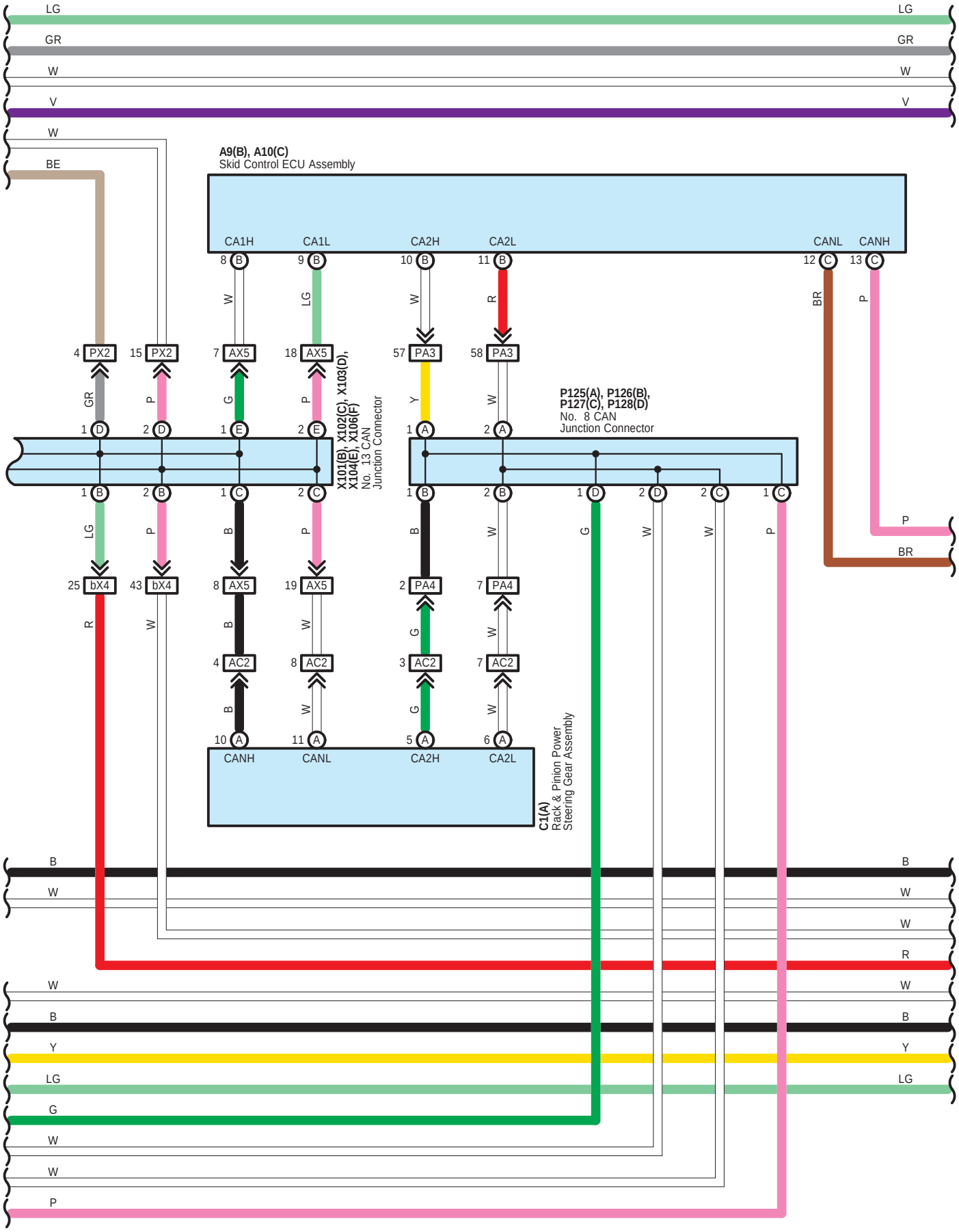
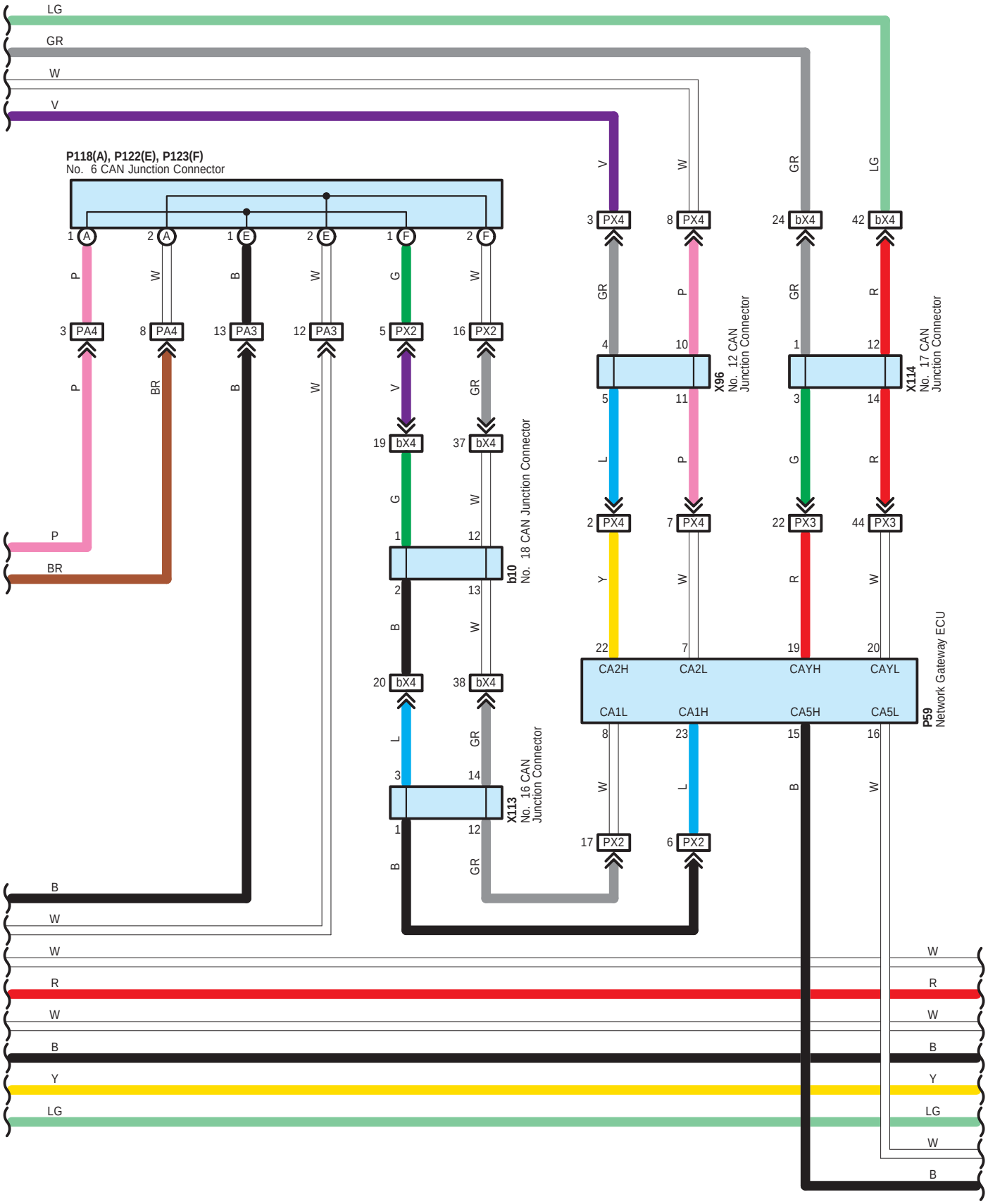

(BAT)
40A
VGRS
(BAT)
5A
ECU–B P
NO. 1
(IG)
10A
IG1 P
NO. 3
A18(A), P70(B), P71(C), P72(D)
Front Steering Control ECU
IG
+BI
PIG
PGND
PGD2
LA–R
B
R
W–B
W–B
GND1
P19(A), z2(C)
Spiral Cable with
Sensor Sub–Assembly
L
z2(C)
Steering Pad
Switch Assembly
W–B
PC
AH
PG

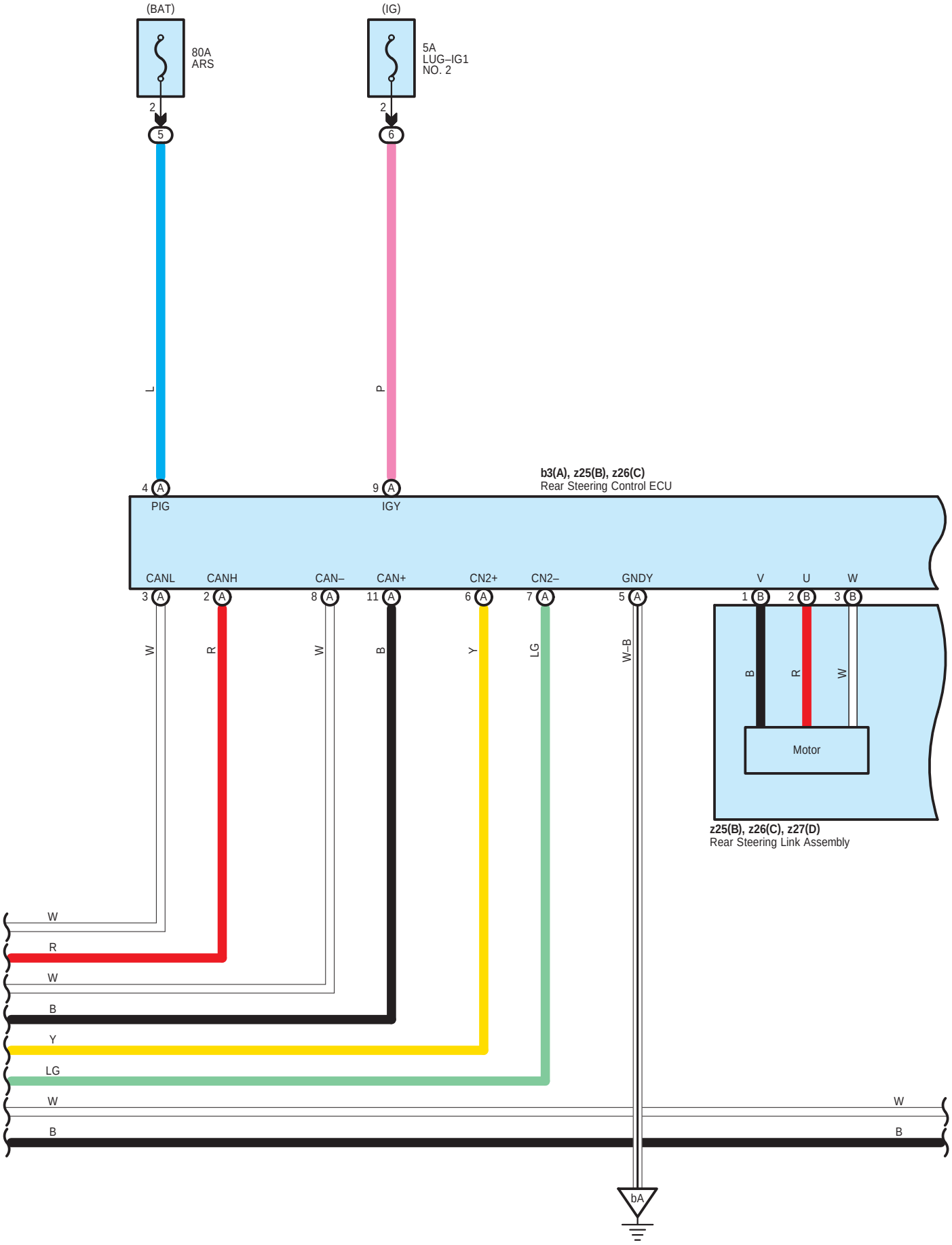

A18(A), P70(B), P71(C), P72(D)
Front Steering Control ECU
SG
BMW
BMV
BMU
SG2+
LG
LV
RG
S2
S1
RV
5 B
1 B
2 B
3 B
10 C
6 C
2 C
8 C
5 C
3 C
9 C
BR
(Shielded)
R
W
B
(Shielded)
L
Y
G
R
W
B
13
5
4
16
7
10
9
2
1
BMW+
BMV+
BMU+
LG+
LV+
RG+
S2+
S1+
RV+
P24
Steering Actuator Assembly

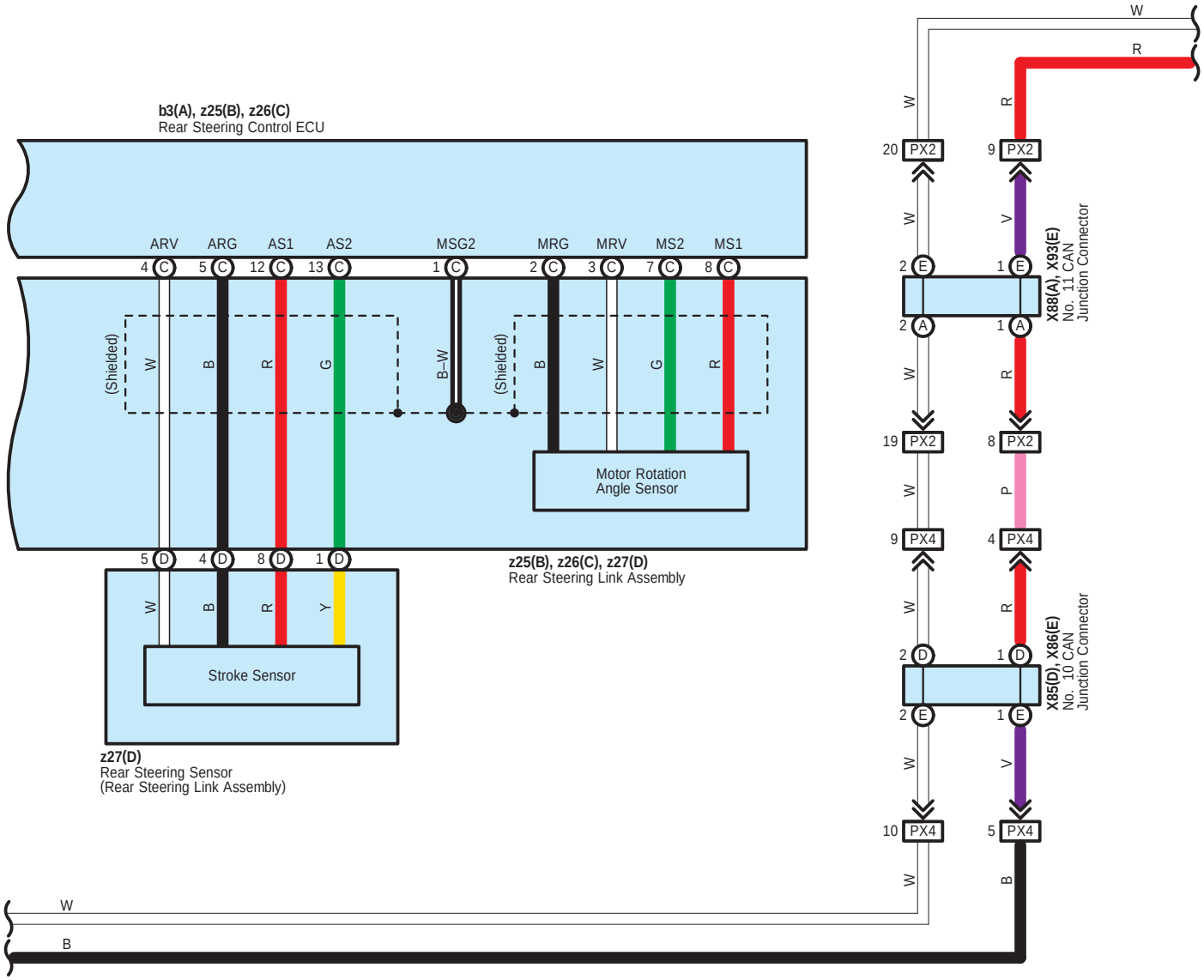

A18(A), P70(B), P71(C), P72(D)
Front Steering Control ECU
SS1–
SS1+
+BO
CNH2
CNL2
CAN+
CAN–
CNH1
CNL1
5 D
6 D
1 D
2 D
8 D
10 D
11 D
3 D
9 D
R
W
V
P
W
LG
W
L
W
10 B
5 B
4 B
SS2–
SS2+
BAT
CANH
CANL
3 B
8 B
P22(B)
Steering Sensor
2 PX2
13 PX2
W
LG
26 bX4
44 bX4
B
W
P
W
W
L
W
P
W
B
W
P

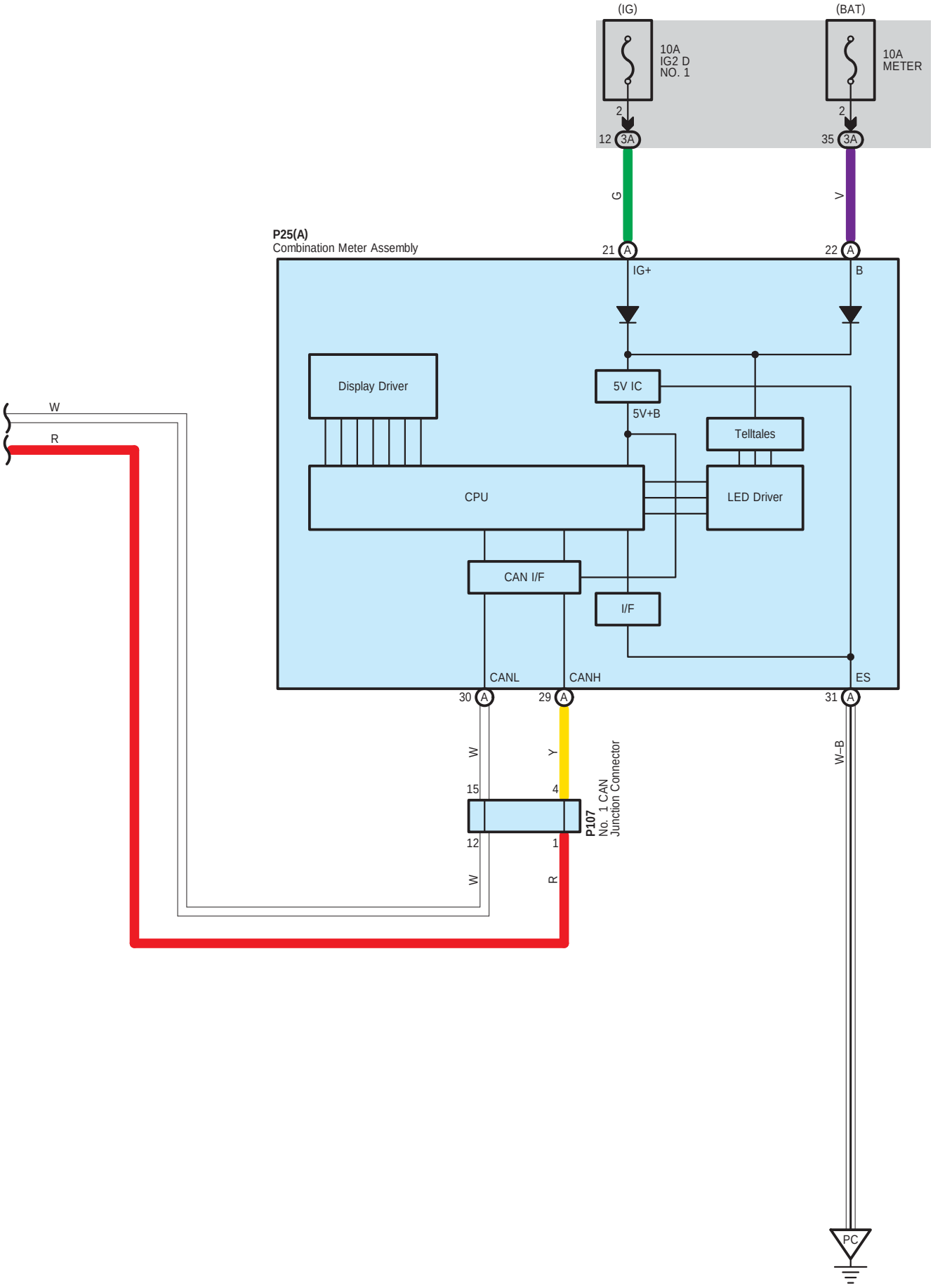

LG
GR
W
V
W
BE
b10
No. 18 CAN
Junction Connector
20
9
19
8
18
7
22
11
21
10
13
2
17
6
P108
No. 2 CAN
Junction Connector
X101(B), X102(C), X103(D),
X104(E), X106(F)
No. 13 CAN
Junction Connector
1 F
2 F
BE
P
13 AX4
25 AX4
B
W
12 A
25 A
CAN+
CAN–
CANL
CANH
A58(A)
ECM
26 A
13 A
W
B
LG
V
LG
Y
W
L
W
P
41 bX4
23 bX4
R
G
12 PX2
1 PX2
W
G
W
L
W
P
W
B
W
B
Y
LG
G
W
W
P
W
B
W
P


LG
GR
W
V
W
BE
A9(B), A10(C)
Skid Control ECU Assembly
CA1H
CA1L
CA2H
CA2L
CANL
CANH
8 B
9 B
10 B
11 B
12 C
13 C
W
LG
W
R
BR
P
4 PX2
15 PX2
7 AX5
18 AX5
57 PA3
58 PA3
GR
P
G
P
Y
W
X101(B), X102(C), X103(D),
X104(E), X106(F)
No. 13 CAN
Junction Connector
P125(A), P126(B),
P127(C), P128(D)
No. 8 CAN
Junction Connector
1 D
2 D
1 E
2 E
1 A
2 A
1 B
2 B
1 C
2 C
1 B
2 B
1 D
2 D
2 C
1 C
LG
P
B
P
B
W
G
W
W
P
P
BR
25 bX4
43 bX4
8 AX5
19 AX5
2 PA4
7 PA4
R
W
B
W
G
W
4 AC2
8 AC2
3 AC2
7 AC2
B
W
G
W
10 A
11 A
5 A
6 A
CANH
CANL
CA2H
CA2L
C1(A)
Rack & Pinion Power
Steering Gear Assembly
B
W
W
R
W
B
Y
LG
G
W
W
P
B
W
W
B
Y
LG

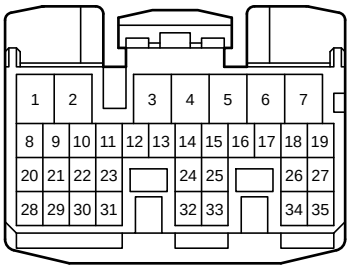

LG
GR
W
V
P118(A), P122(E), P123(F)
No. 6 CAN Junction Connector
1 A
2 A
1 E
2 E
1 F
2 F
P
W
B
W
G
W
3 PA4
8 PA4
13 PA3
12 PA3
5 PX2
16 PX2
P
BR
B
W
V
GR
19 bX4
37 bX4
G
W
1
12
2
13
b10
No. 18 CAN Junction Connector
B
W
20 bX4
38 bX4
L
GR
3
14
X113
No. 16 CAN
Junction Connector
1
12
B
GR
P
BR
B
W
W
R
W
B
Y
LG
V
W
GR
LG
3 PX4
8 PX4
24 bX4
42 bX4
GR
P
GR
R
4
10
1
12
X96
No. 12 CAN
Junction Connector
X114
No. 17 CAN
Junction Connector
5
11
3
14
L
P
G
R
2 PX4
7 PX4
22 PX3
44 PX3
Y
W
R
W
22
7
19
20
CA2H
CA2L
CAYH
CAYL
CA1L
CA1H
CA5H
CA5L
P59
Network Gateway ECU
8
23
15
16
W
L
B
W
17 PX2
6 PX2
W
R
W
B
Y
LG
W
B


(BAT)
80A
ARS
2
5
L
(IG)
5A
LUG–IG1
NO. 2
2
6
P
b3(A), z25(B), z26(C)
Rear Steering Control ECU
4 A
PIG
9 A
IGY
CANL
CANH
CAN–
CAN+
CN2+
CN2–
GNDY
V
U
W
3 A
2 A
8 A
11 A
6 A
7 A
5 A
1 B
2 B
3 B
W
R
W
B
Y
LG
W–B
B
R
W
Motor
z25(B), z26(C), z27(D)
Rear Steering Link Assembly
W
R
W
B
Y
LG
W
B
W
B
bA


b3(A), z25(B), z26(C)
Rear Steering Control ECU
ARV
ARG
AS1
AS2
MSG2
MRG
MRV
MS2
MS1
(Shielded)
W
B
R
G
B–W
Motor Rotation
Angle Sensor
z25(B), z26(C), z27(D)
Rear Steering Link Assembly
Y
Stroke Sensor
z27(D)
Rear Steering Sensor
(Rear Steering Link Assembly)
PX2
PX4
V
P
X88(A), X93(E)
No. 11 CAN
Junction Connector
X85(D), X86(E)
No. 10 CAN
Junction Connector

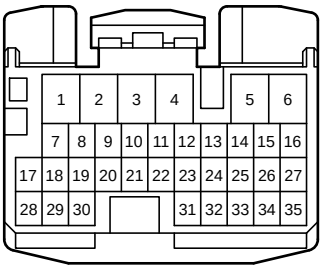

(IG)
(BAT)
10A
IG2 D
NO. 1
10A
METER
2
2
12 3A
35 3A
G
V
P25(A)
Combination Meter Assembly
21 A
22 A
IG+
B
Display Driver
5V IC
5V+B
Telltales
CPU
LED Driver
CAN I/F
I/F
CANL
CANH
ES
30 A
29 A
31 A
W
R
W
Y
W–B
15
4
12
1
P107
No. 1 CAN
Junction Connector
W
R
PC

A9
Black



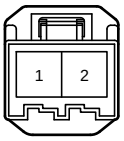
90980-12528

A10
Black



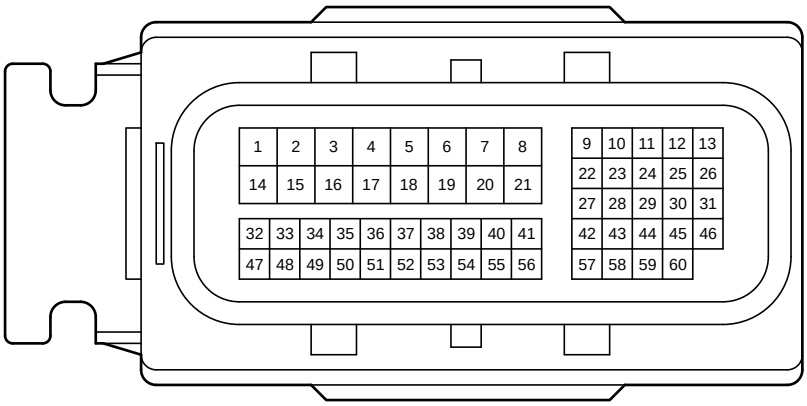
90980-12529

A18
White



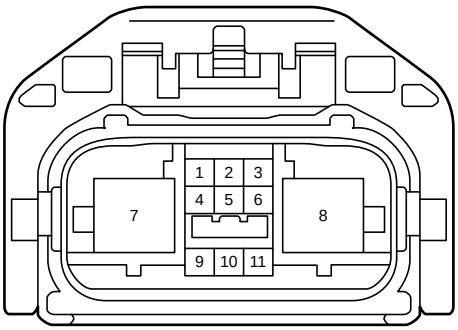
82824-30590

A58
Black



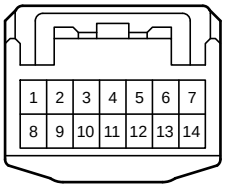
90980-12931

C1
Black



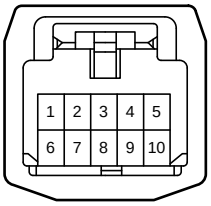
90980-12C57

P19
Black



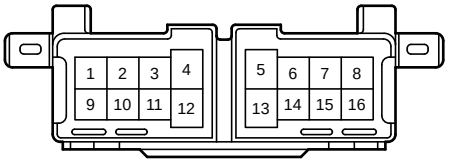
90980-12370

P22
Black



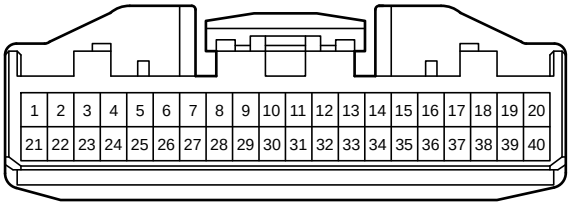
82824-78040

P24
White



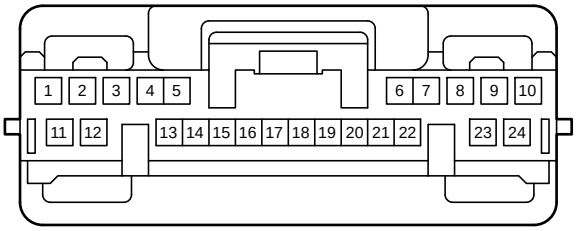
90980-11547

P25
Black



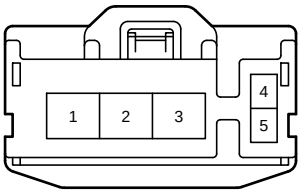
90980-12557

P59
Black



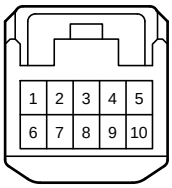
90980-12912

P70
White



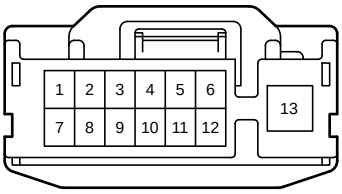
82824-30570

P71
White



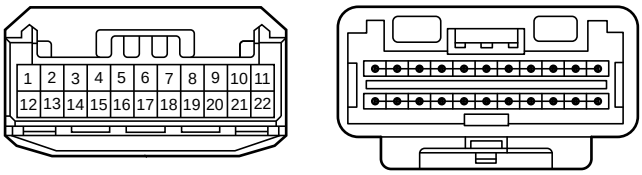
90980-12368

P72
White



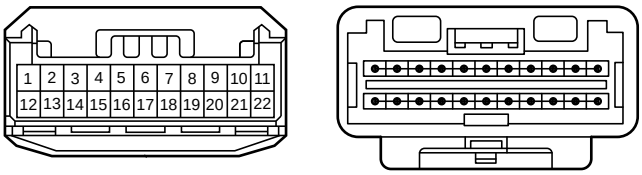
82824-30580

P107
White



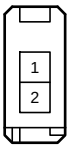
90980-12B54

P108
White



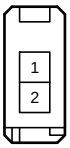
90980-12B54

P118
White



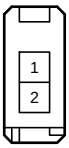
90980-12827

P122
White



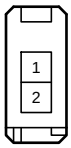
90980-12827

P123
White



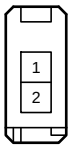
90980-12827

P125
White



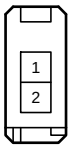
90980-12827

P126
White



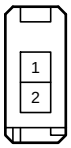
90980-12827

P127
White



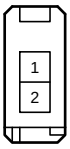
90980-12827

P128
White



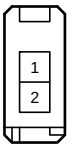
90980-12827

X85
White



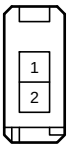
90980-12827

X86
White



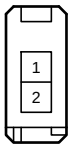
90980-12827

X88
White



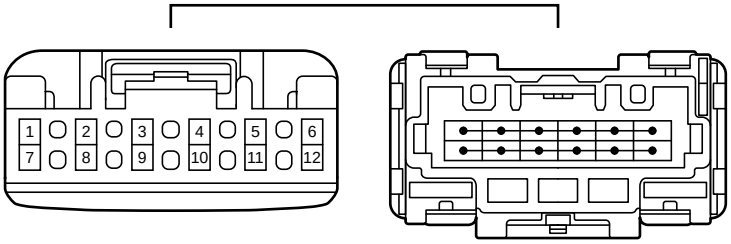
90980-12827

X93
White



90980-12827

X96
White



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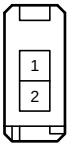

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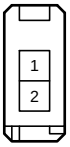

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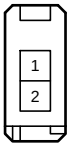

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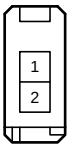

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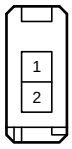

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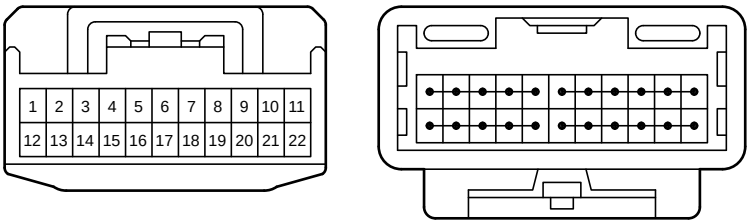

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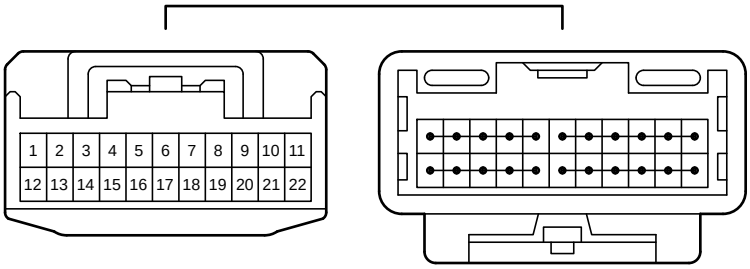

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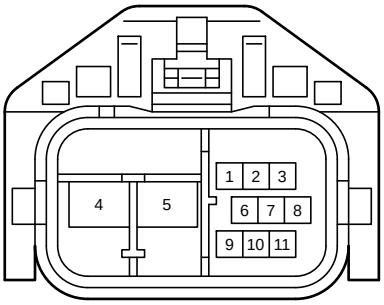

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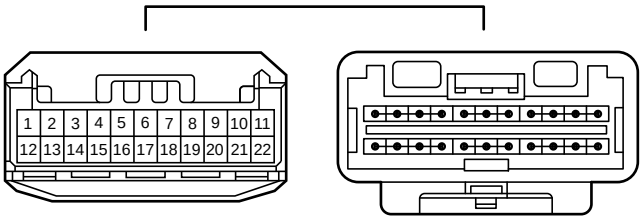

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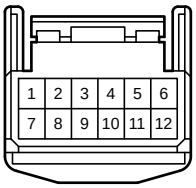

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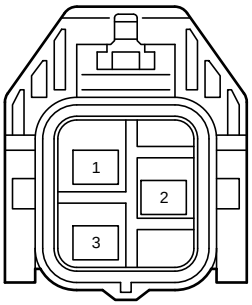

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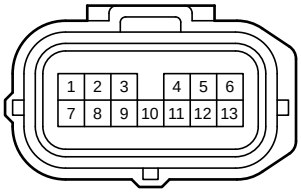

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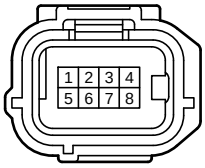

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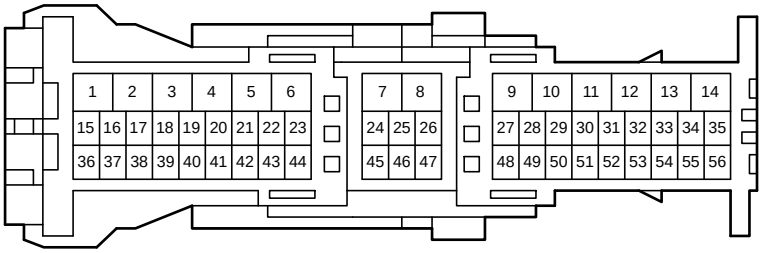

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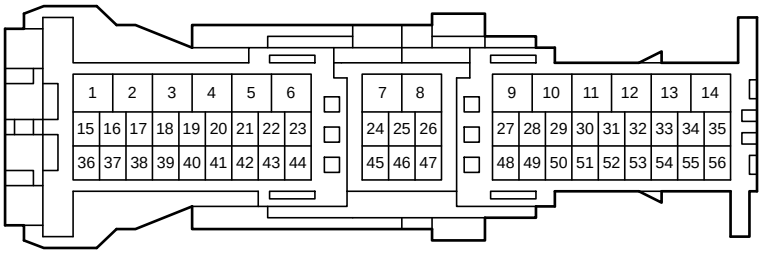

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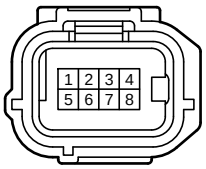

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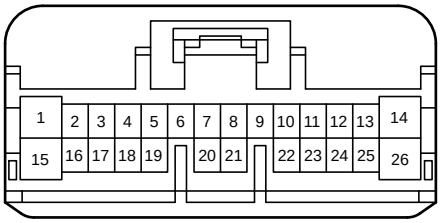

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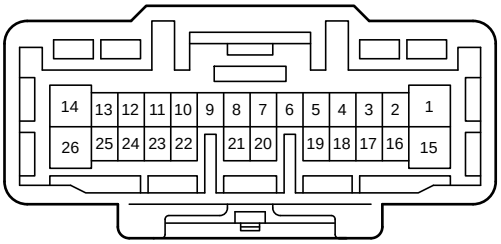

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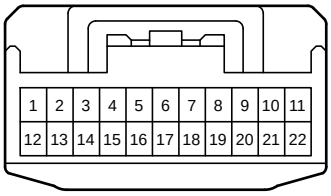

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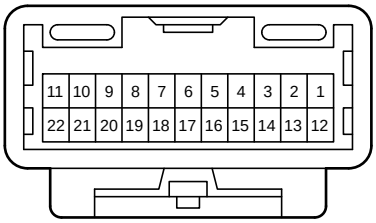

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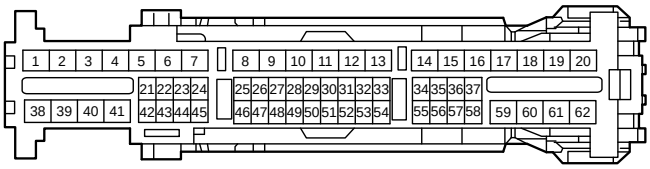

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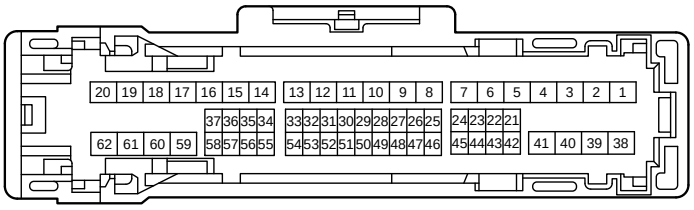

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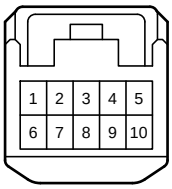

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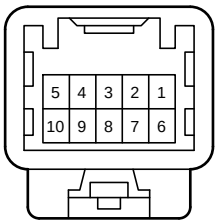

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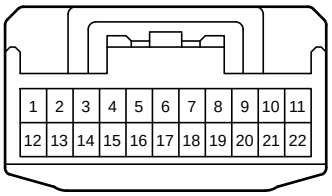

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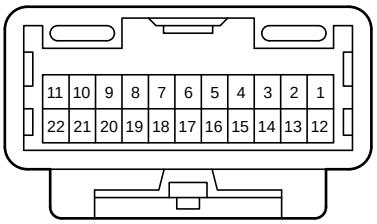

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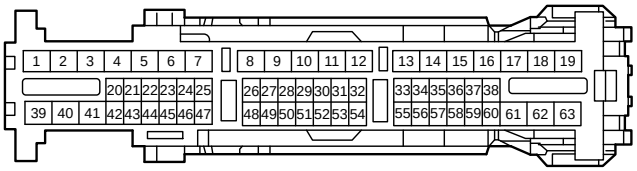

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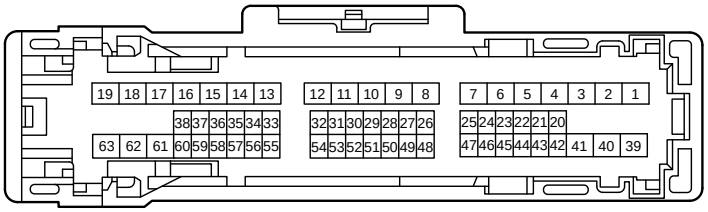

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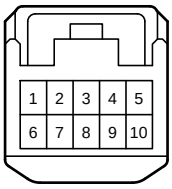

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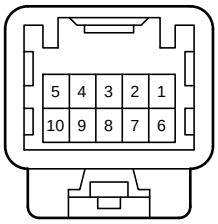

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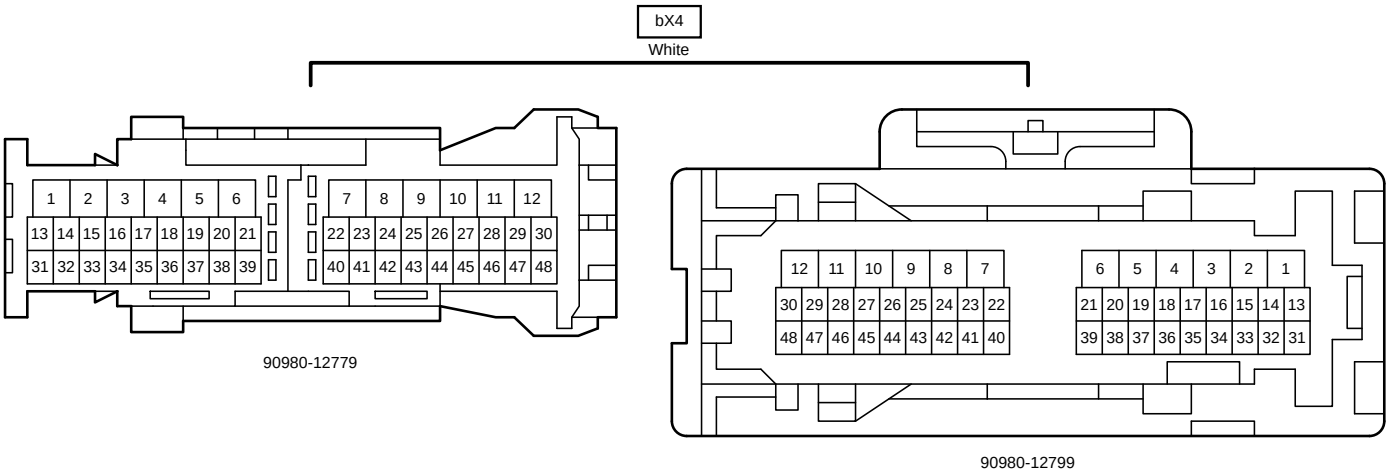
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