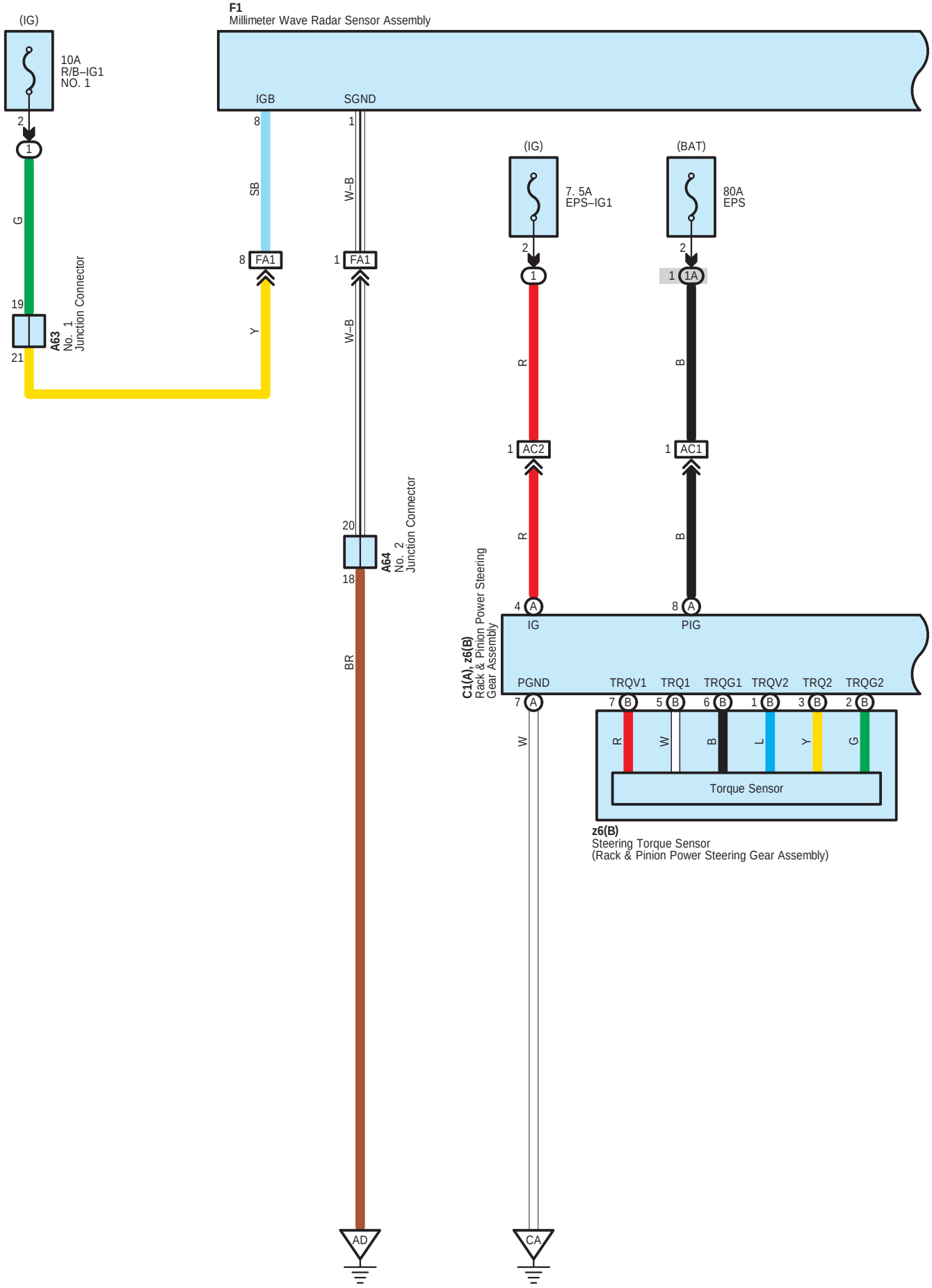
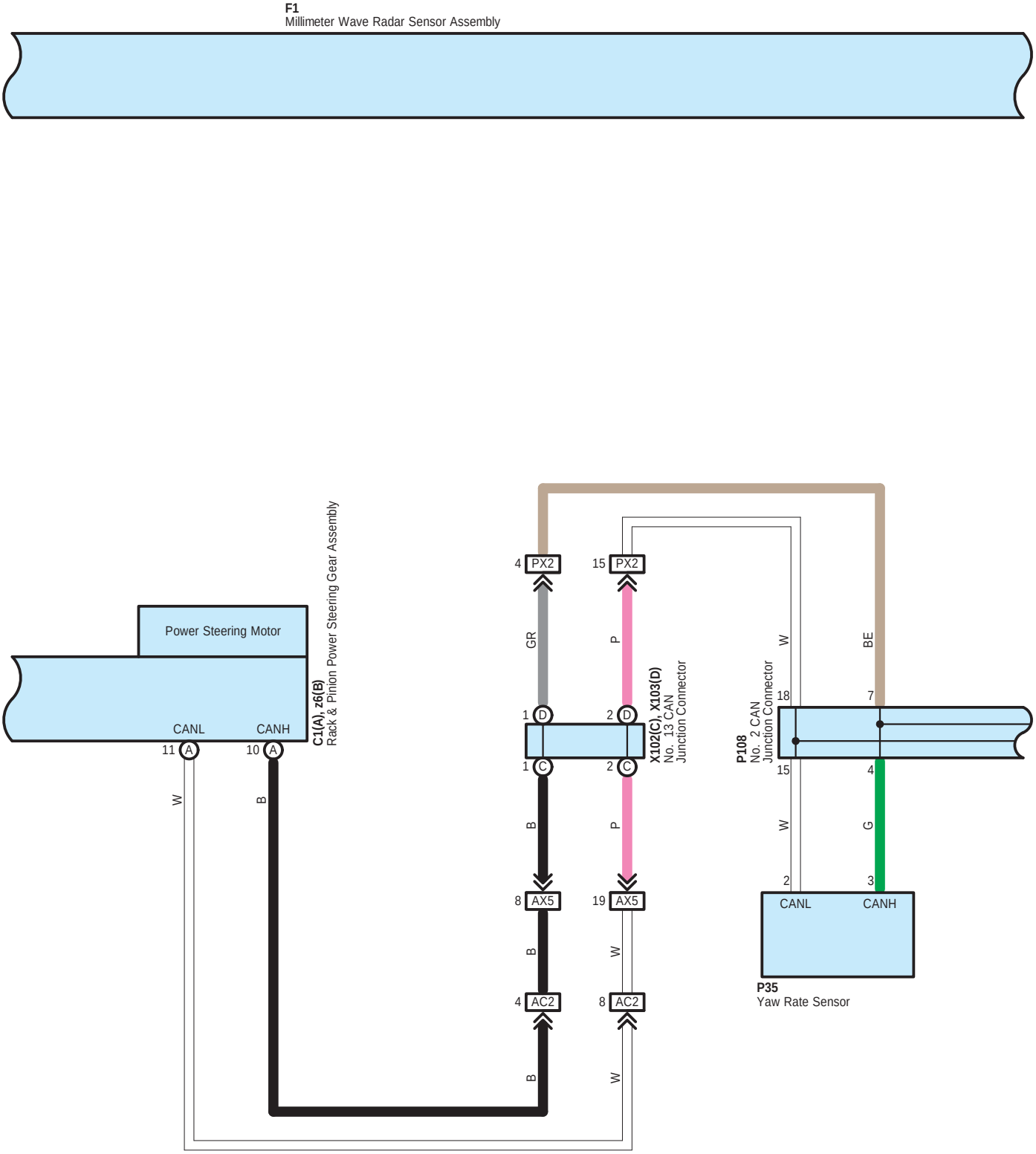
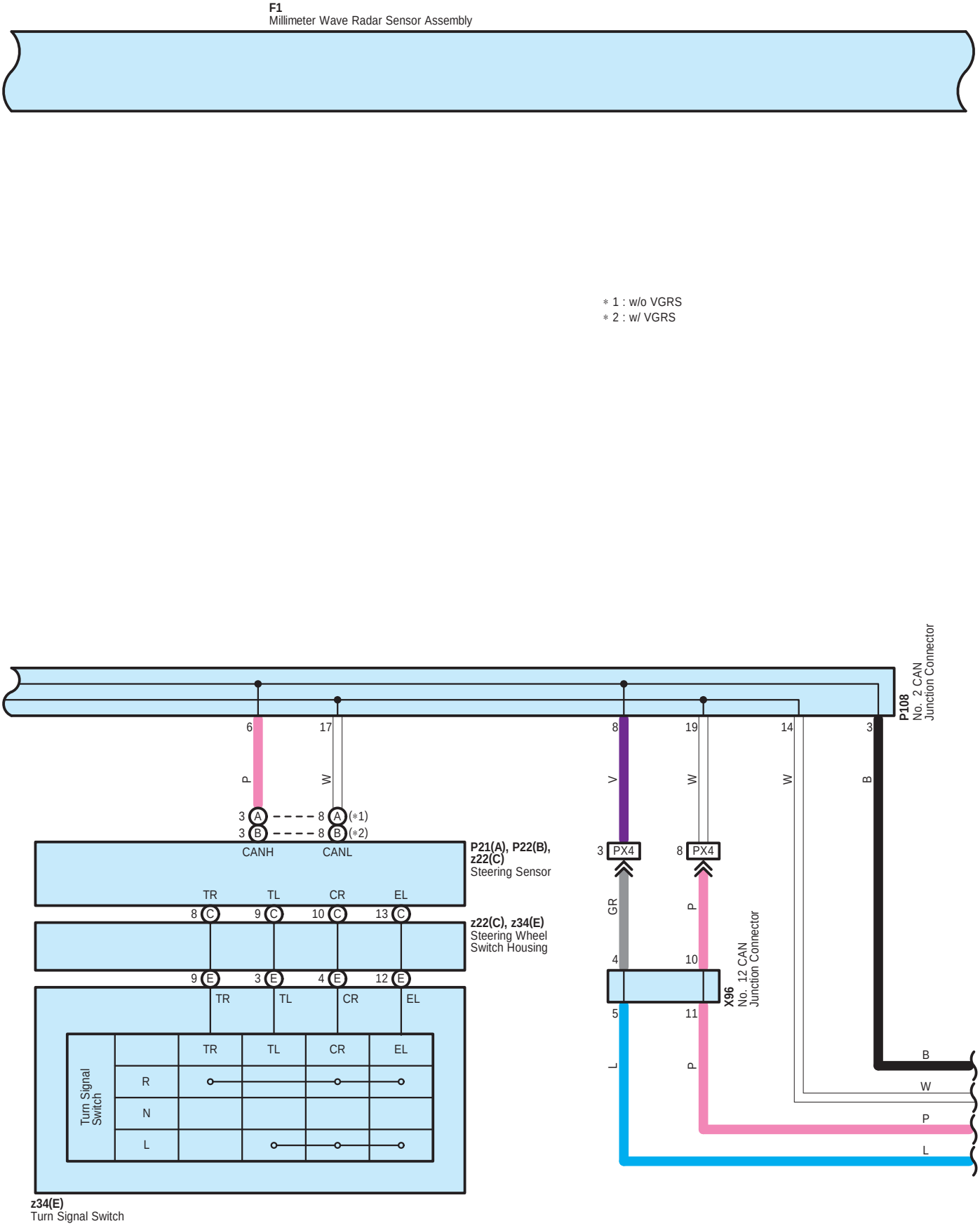
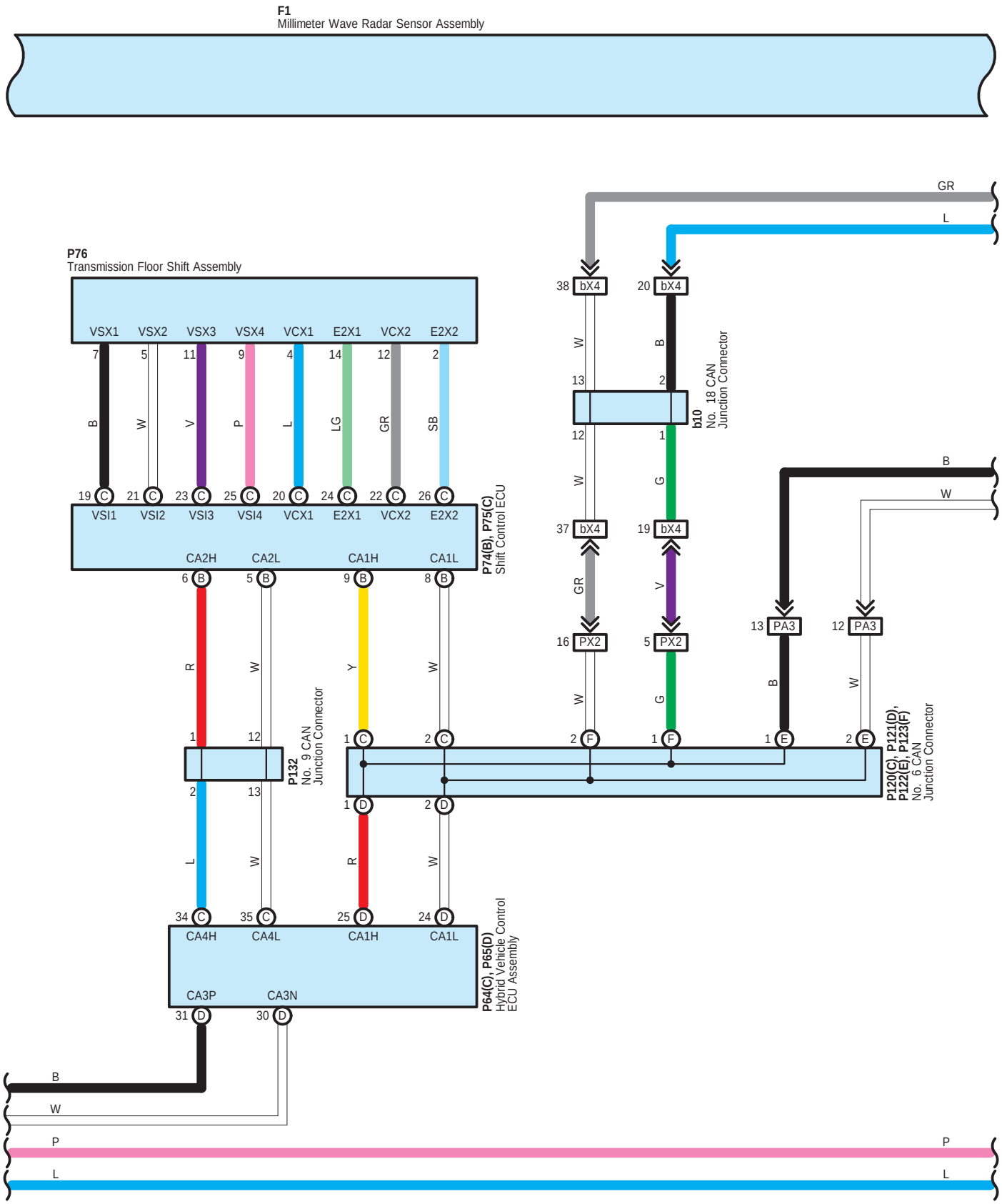
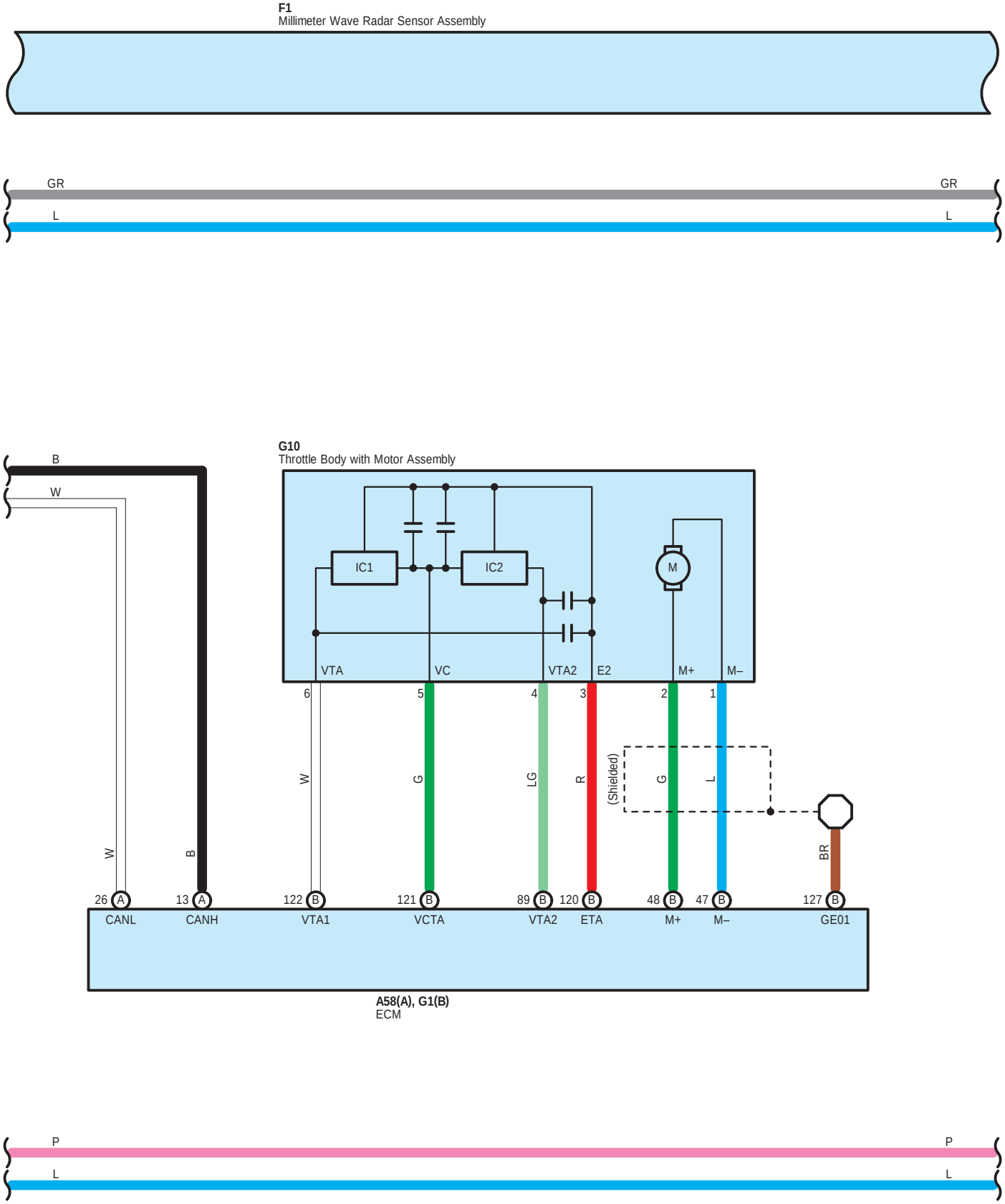
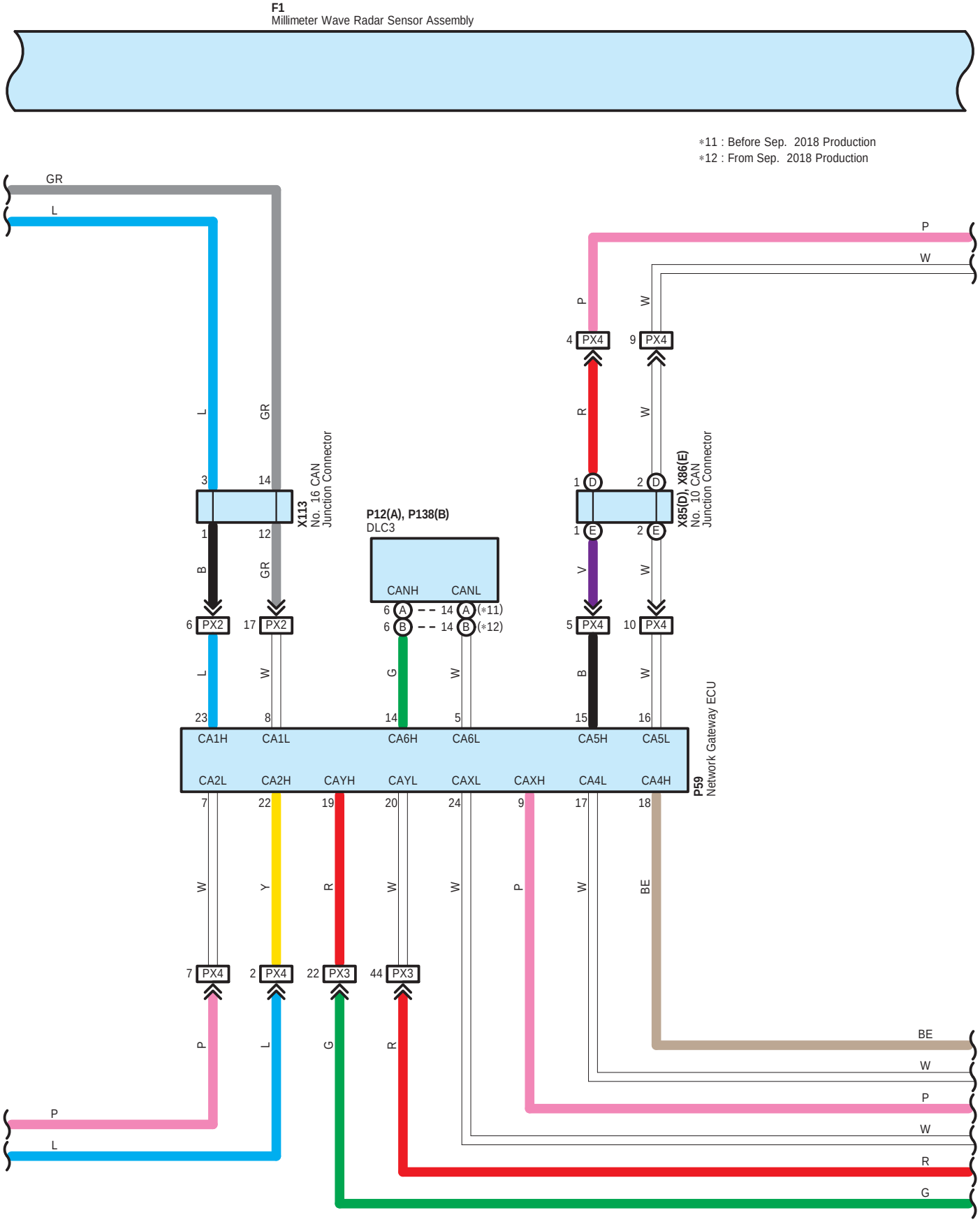

F1
Millimeter Wave Radar Sensor Assembly
(IG)
10A
R/B–IG1
NO. 1
IGB
SGND
SB
W–B
G
Y
W–B
A63
No. 1
Junction Connector
A64
No. 2
Junction Connector
BR
AD
(IG)
7. 5A
EPS–IG1
(BAT)
80A
EPS
R
B
AC2
AC1
IG
PIG
C1(A), z6(B)
Rack & Pinion Power Steering
Gear Assembly
PGND
TRQV1
TRQ1
TRQG1
TRQV2
TRQ2
TRQG2
W
Torque Sensor
z6(B)
Steering Torque Sensor
(Rack & Pinion Power Steering Gear Assembly)
CA

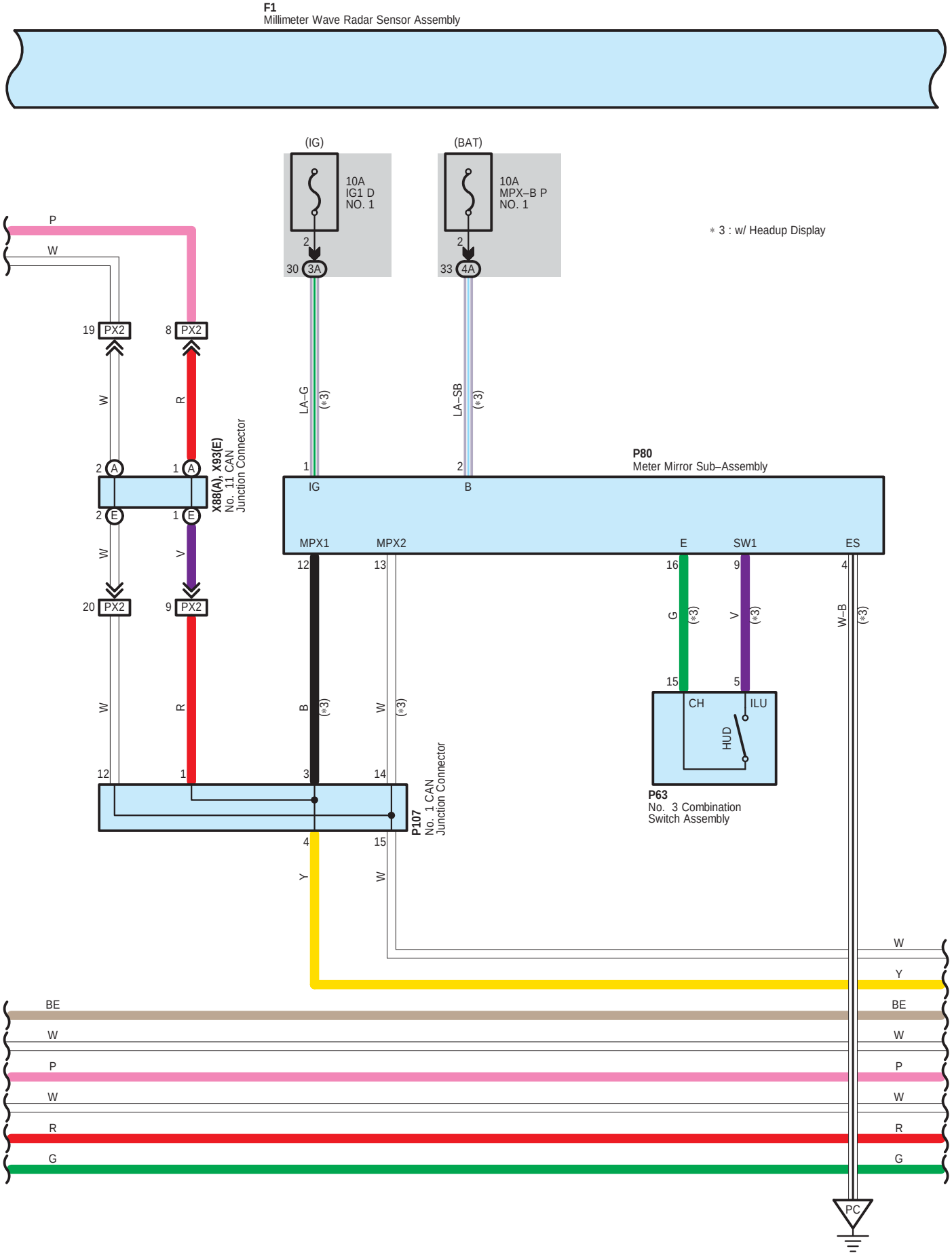

F1
Millimeter Wave Radar Sensor Assembly
Power Steering Motor
CANL
CANH
11 A
10 A
C1(A), z6(B)
Rack & Pinion Power Steering Gear Assembly
W
B
4 PX2
15 PX2
GR
P
1 D
2 D
1 C
2 C
X102(C), X103(D)
No. 13 CAN
Junction Connector
B
P
8 AX5
19 AX5
B
W
4 AC2
8 AC2
B
W
W
BE
P108
No. 2 CAN
Junction Connector
18
7
15
4
W
G
2
3
CANL
CANH
P35
Yaw Rate Sensor

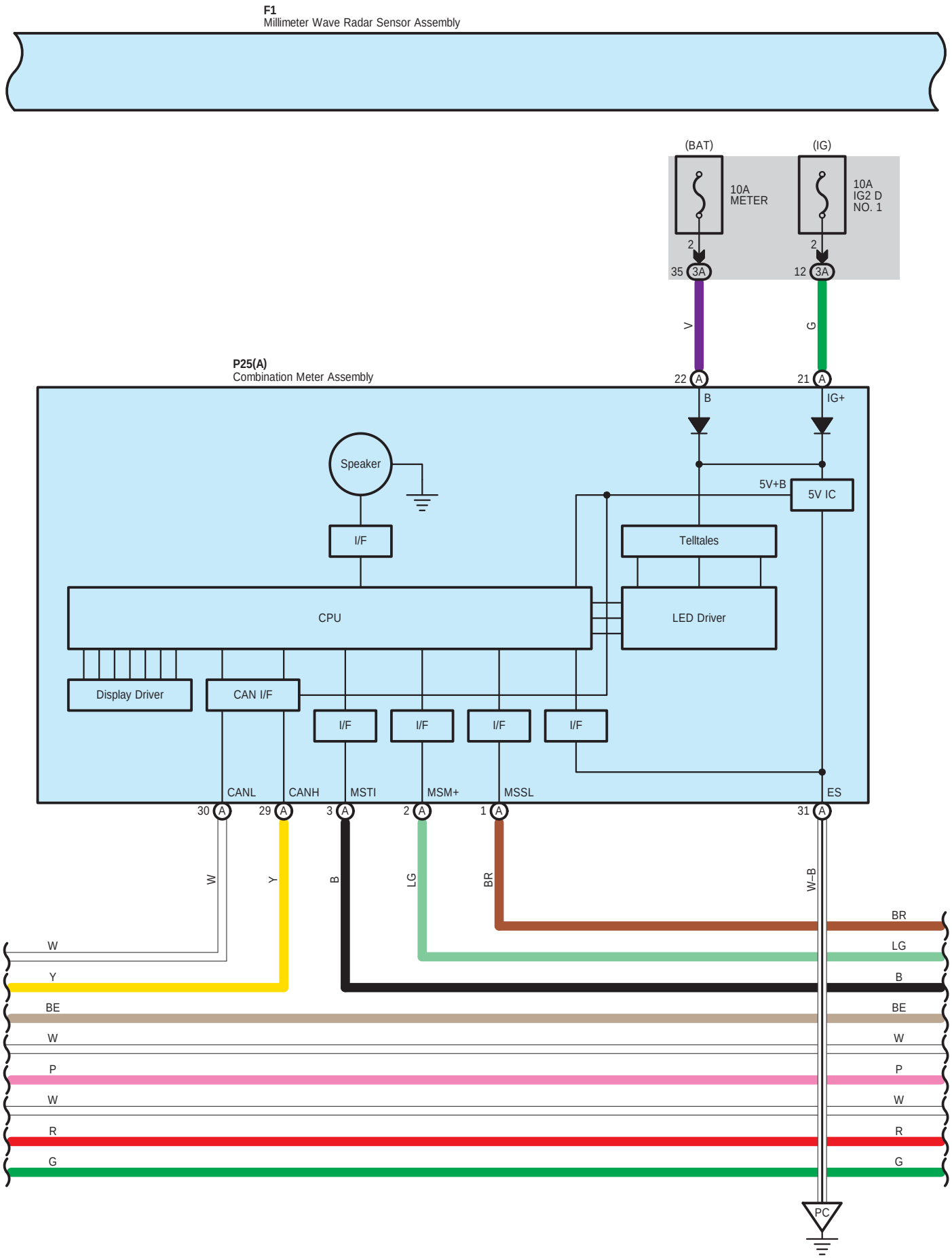

F1
Millimeter Wave Radar Sensor Assembly
∗1 : w/o VGRS
∗2 : w/ VGRS
P108
No. 2 CAN
Junction Connector
6
17
8
19
14
3
P
W
V
W
W
B
3 A
8 A (∗1)
3 B
8 B (∗2)
CANH
CANL
P21(A), P22(B),
z22(C)
Steering Sensor
3 PX4
8 PX4
GR
P
TR
TL
CR
EL
8 C
9 C
10 C
13 C
z22(C), z34(E)
Steering Wheel
Switch Housing
9 E
3 E
4 E
12 E
4
10
X96
No. 12 CAN
Junction Connector
5
11
L
P
B
W
P
L
Turn Signal
Switch
R
N
L
z34(E)
Turn Signal Switch

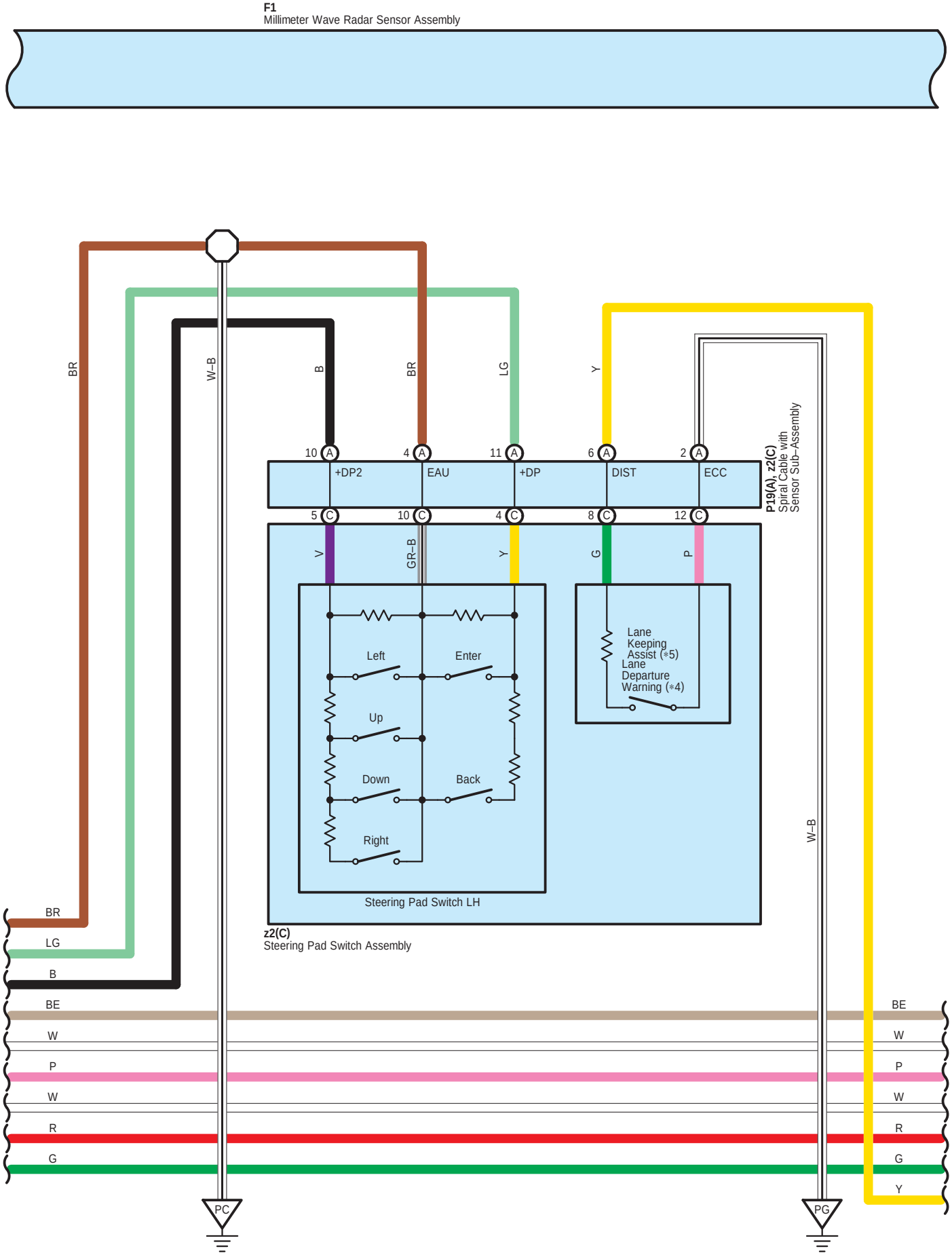

F1
Millimeter Wave Radar Sensor Assembly
P76
Transmission Floor Shift Assembly
VSX1 VSX2 VSX3 VSX4 VCX1 E2X1 VCX2 E2X2
VSI1 VSI2 VSI3 VSI4 VCX1 E2X1 VCX2 E2X2
CA2H CA2L CA1H CA1L
P74(B), P75(C)
Shift Control ECU
P132
No. 9 CAN
Junction Connector
b10
No. 18 CAN
Junction Connector
P120(C), P121(D),
P122(E), P123(F)
No. 6 CAN
Junction Connector
CA4H CA4L CA1H CA1L
CA3P CA3N
P64(C), P65(D)
Hybrid Vehicle Control
ECU Assembly
bX4
PX2
PA3
GR
L
B
W
P

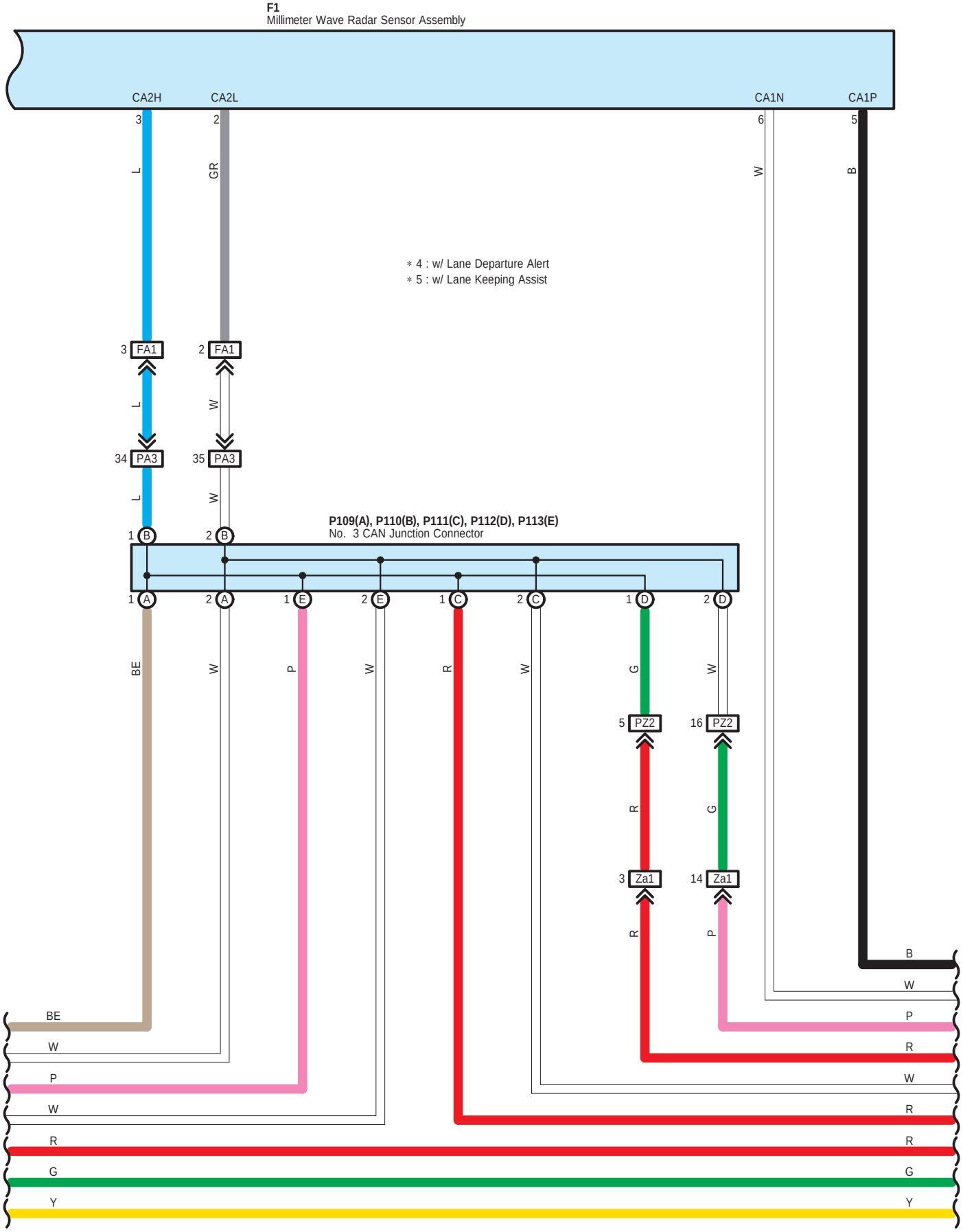

F1
Millimeter Wave Radar Sensor Assembly
GR
L
GR
L
G10
Throttle Body with Motor Assembly
B
W
IC1
IC2
M
VTA
VC
VTA2
E2
M+
M–
6
5
4
3
2
1
W
G
LG
R
(Shielded)
G
L
BR
W
B
26 A
13 A
122 B
121 B
89 B
120 B
48 B
47 B
127 B
CANL
CANH
VTA1
VCTA
VTA2
ETA
M+
M–
GE01
A58(A), G1(B)
ECM
P
L
P
L

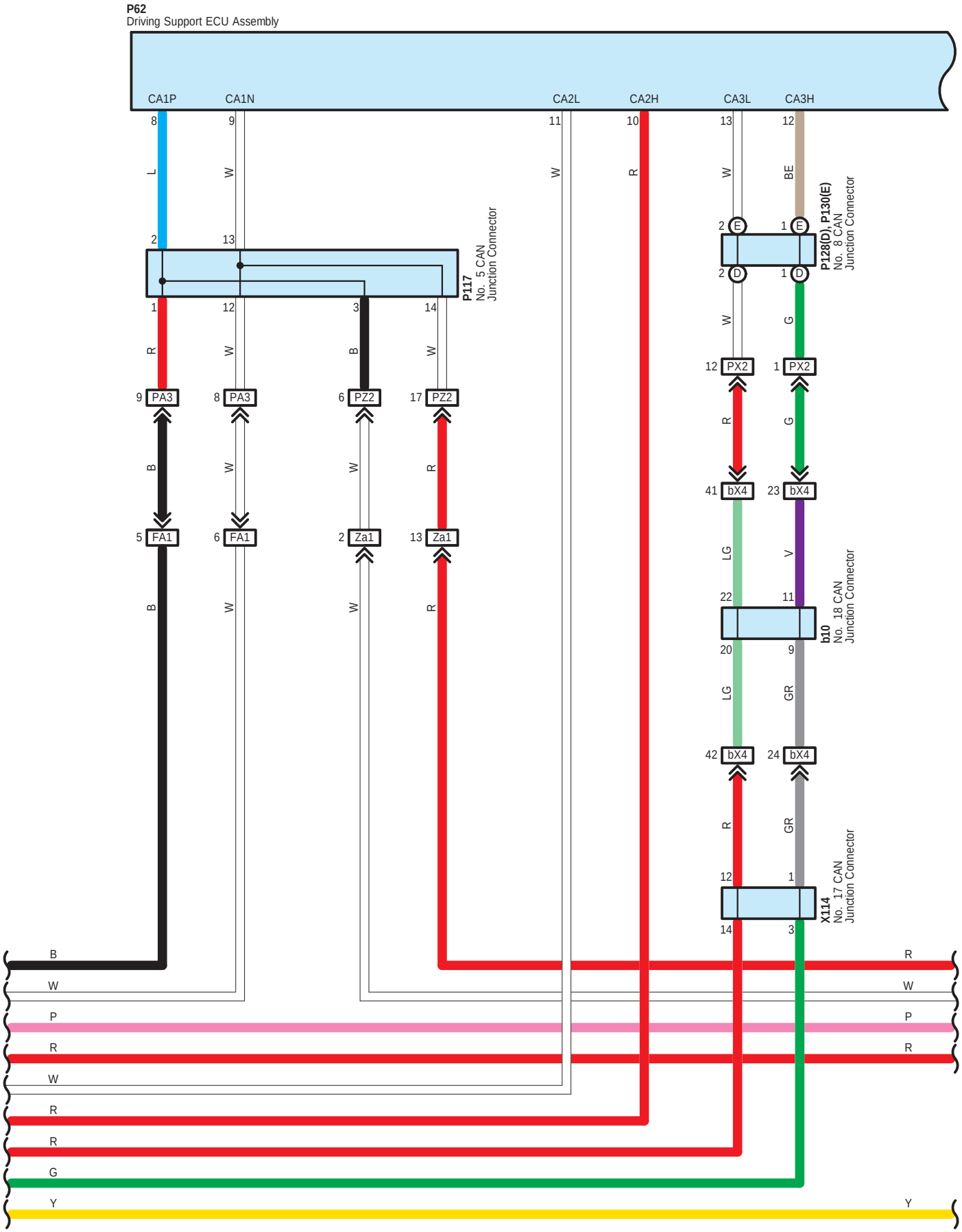

F1
Millimeter Wave Radar Sensor Assembly
*11 : Before Sep. 2018 Production
*12 : From Sep. 2018 Production
X113
No. 16 CAN
Junction Connector
P12(A), P138(B)
DLC3
CANH
CANL
X85(D), X86(E)
No. 10 CAN
Junction Connector
P59
Network Gateway ECU
CA1H
CA1L
CA6H
CA6L
CA5H
CA5L
CA2L
CA2H
CAYH
CAYL
CAXL
CAXH
CA4L
CA4H
PX2
PX3
PX4

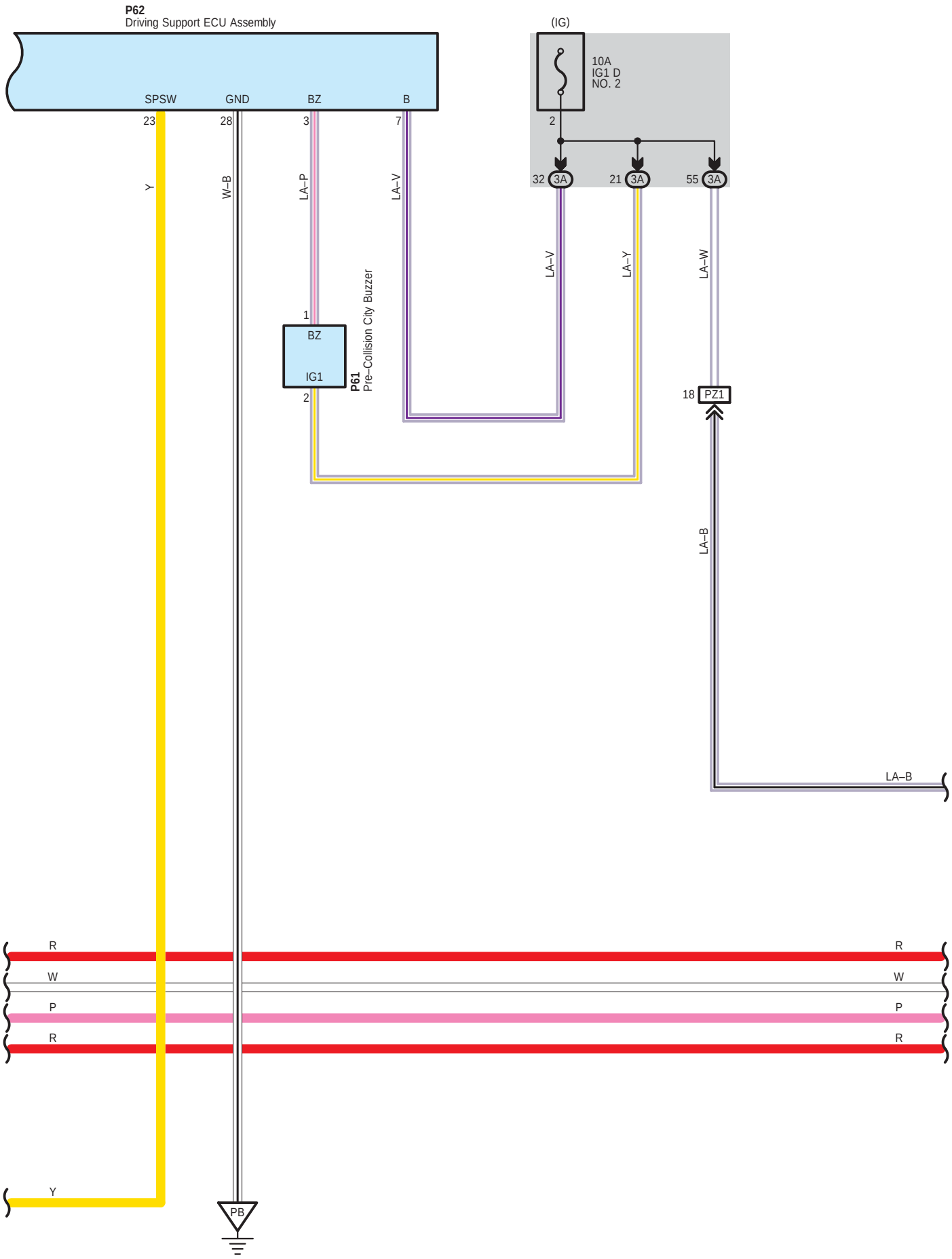

F1
Millimeter Wave Radar Sensor Assembly
(IG)
10A
IG1 D
NO. 1
(BAT)
10A
MPX–B P
NO. 1
∗3 : w/ Headup Display
P
W
19 PX2
8 PX2
W
R
LA–G
(∗3)
LA–SB
(∗3)
X88(A), X93(E)
No. 11 CAN
Junction Connector
P80
Meter Mirror Sub–Assembly
IG
B
MPX1
MPX2
E
SW1
ES
V
20 PX2
9 PX2
G
(∗3)
V
(∗3)
W–B
(∗3)
B
(∗3)
W
(∗3)
CH
ILU
HUD
P63
No. 3 Combination
Switch Assembly
P107
No. 1 CAN
Junction Connector
Y
W
BE
W
P
W
R
G
PC

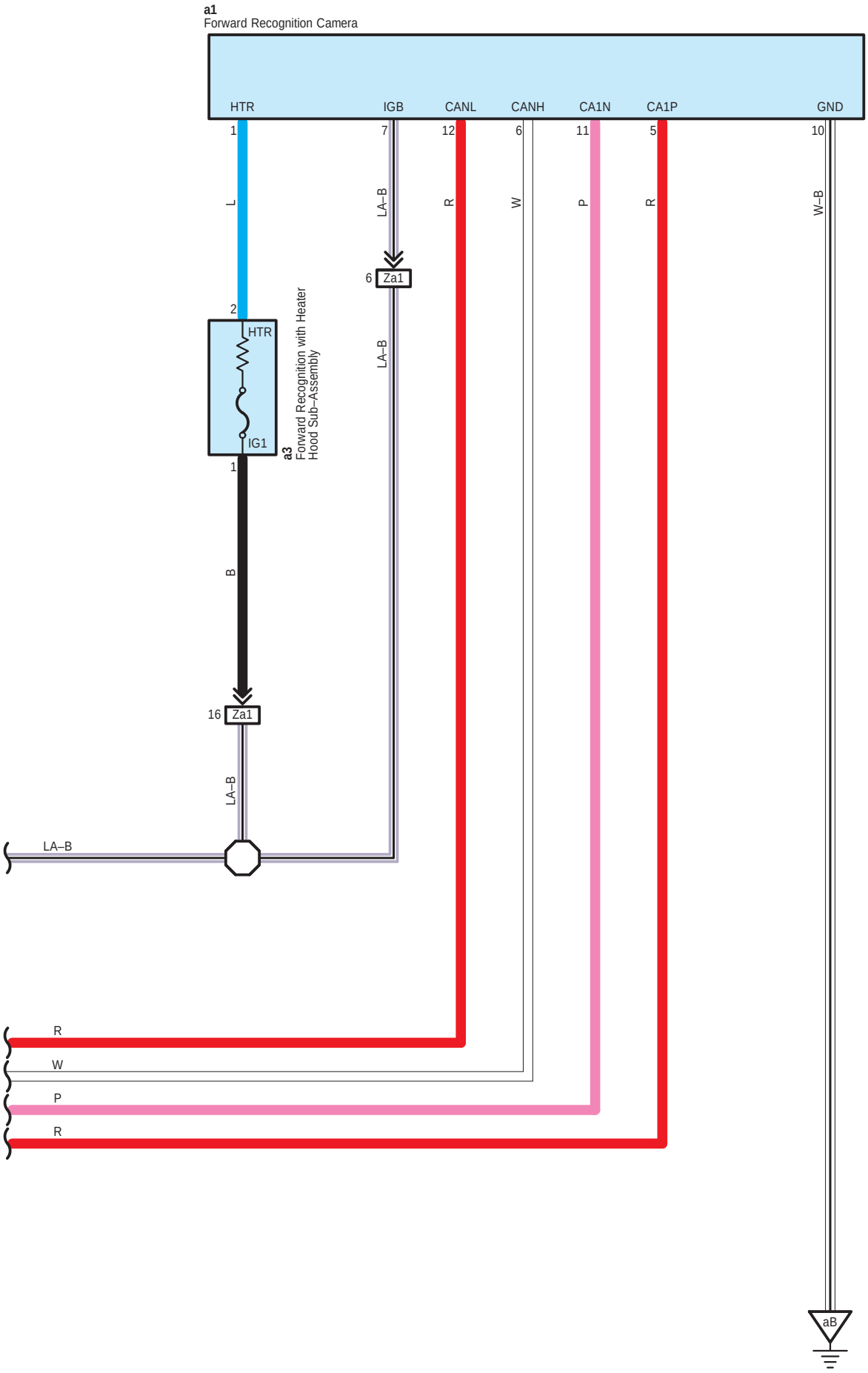

F1
Millimeter Wave Radar Sensor Assembly
(BAT)
(IG)
10A
METER
10A
IG2 D
NO. 1
2
35 3A
12 3A
V
G
P25(A)
Combination Meter Assembly
22 A
21 A
B
IG+
Speaker
5V+B
5V IC
I/F
Telltales
CPU
LED Driver
Display Driver
CAN I/F
I/F
I/F
I/F
I/F
CANL
CANH
MSTI
MSM+
MSSL
ES
30 A
29 A
3 A
2 A
1 A
31 A
W
Y
B
LG
BR
W–B
BR
LG
B
W
Y
BE
BE
W
W
P
P
W
W
R
R
G
G
PC


F1
Millimeter Wave Radar Sensor Assembly
BR
W–B
B
BR
LG
Y
10 A
4 A
11 A
6 A
2 A
+DP2
EAU
+DP
DIST
ECC
P19(A), z2(C)
Spiral Cable with
Sensor Sub–Assembly
5 C
10 C
4 C
8 C
12 C
V
GR–B
Y
G
P
Left
Enter
Up
Down
Back
Right
Lane
Keeping
Assist (*5)
Lane
Departure
Warning (*4)
Steering Pad Switch LH
z2(C)
Steering Pad Switch Assembly
W–B
BR
LG
B
BE
W
P
W
R
G
BE
W
P
W
R
G
Y
PC
PG

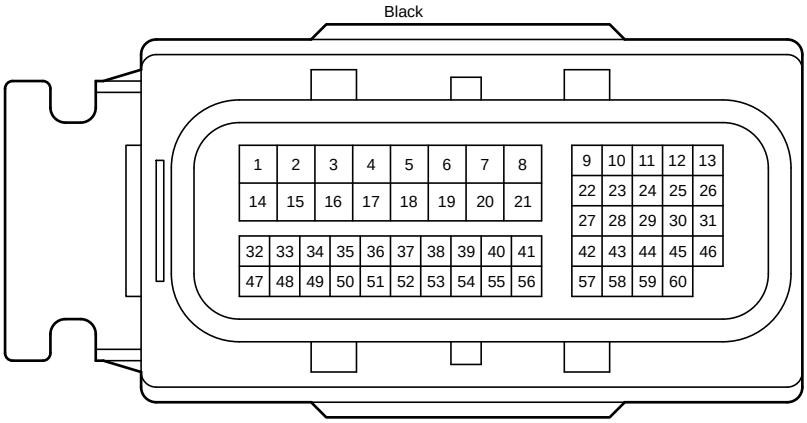

F1
Millimeter Wave Radar Sensor Assembly
CA2H
CA2L
CA1N
CA1P
3
2
6
5
L
GR
W
B
* 4 : w/ Lane Departure Alert
* 5 : w/ Lane Keeping Assist
3 FA1
2 FA1
34 PA3
35 PA3
P109(A), P110(B), P111(C), P112(D), P113(E)
No. 3 CAN Junction Connector
1 B
2 B
1 A
2 A
1 E
2 E
1 C
2 C
1 D
2 D
BE
P
R
G
5 PZ2
16 PZ2
3 Za1
14 Za1
Y


P62
Driving Support ECU Assembly
CA1P
CA1N
CA2L
CA2H
CA3L
CA3H
P117
No. 5 CAN
Junction Connector
P128(D), P130(E)
No. 8 CAN
Junction Connector
b10
No. 18 CAN
Junction Connector
X114
No. 17 CAN
Junction Connector
PA3
PZ2
FA1
Za1
PX2
bX4


P62
Driving Support ECU Assembly
SPSW
GND
BZ
B
23
28
3
7
Y
W–B
LA–P
LA–V
(IG)
10A
IG1 D
NO. 2
2
32
3A
21
3A
55
3A
LA–V
LA–Y
LA–W
1
BZ
IG1
2
P61
Pre–Collision City Buzzer
18
PZ1
LA–B
LA–B
R
W
P
R
R
W
P
R
Y
PB

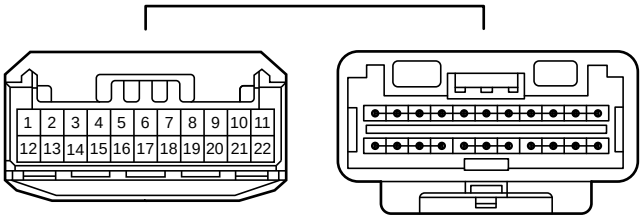

a1
Forward Recognition Camera
HTR
IGB
CANL
CANH
CA1N
CA1P
GND
1
7
12
6
11
5
10
L
LA–B
R
W
P
R
W–B
6
Za1
2
HTR
IG1
a3
Forward Recognition with Heater
Hood Sub–Assembly
1
B
16
Za1
LA–B
LA–B
R
W
P
R
aB

A58
Black



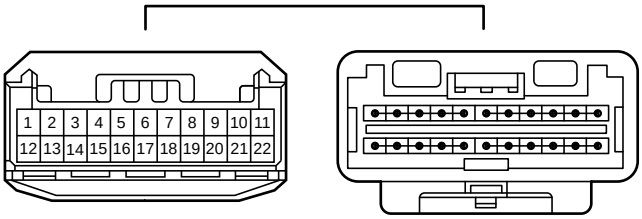

90980-12931

A63
Black



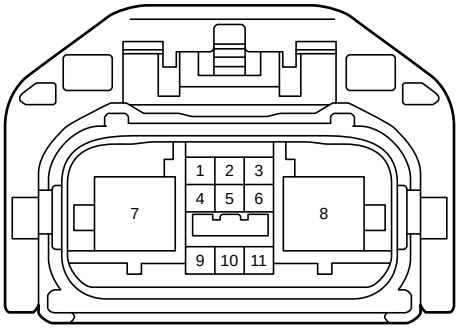

90980-12B54

A64
Black



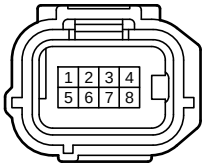

90980-12B54

C1
Black



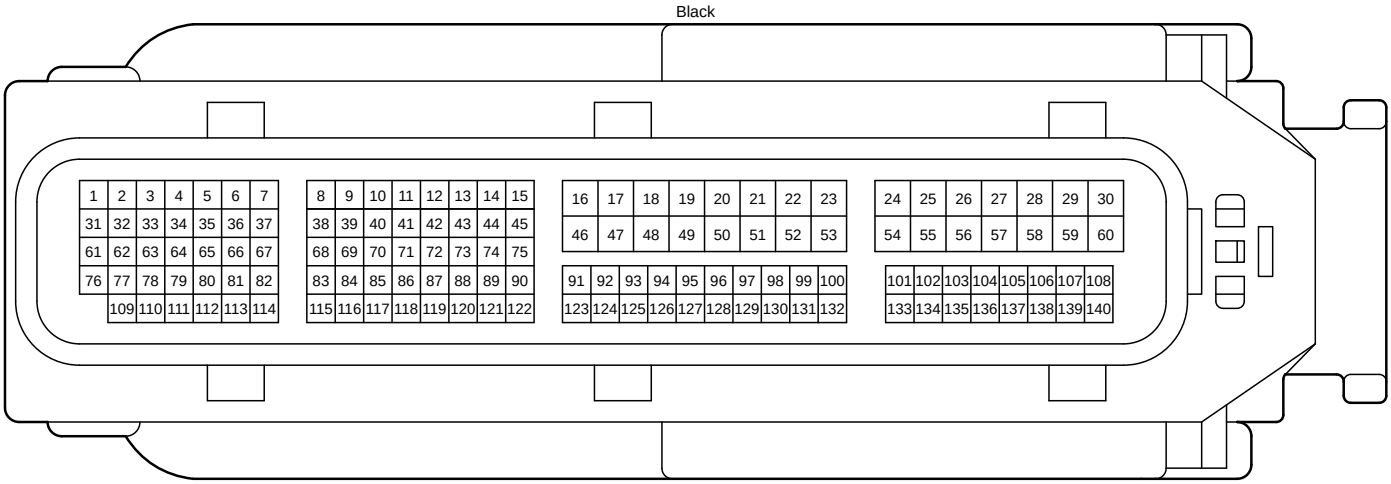

90980-12C57

F1
Black



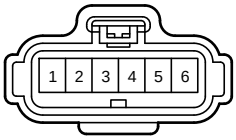

90980-12520

G1
Black



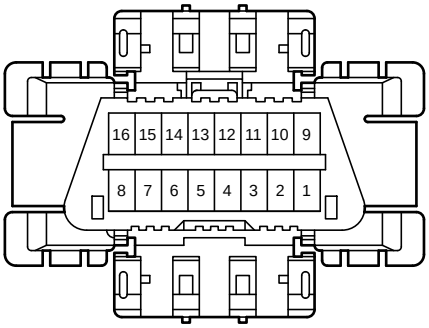

90980-12966

G10
Black



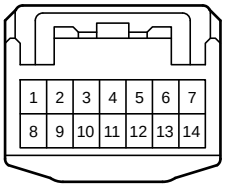

90980-11858

P12
White



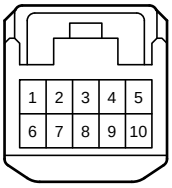

90980-11665

P19
Black



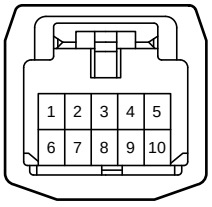

90980-12370

P21
White



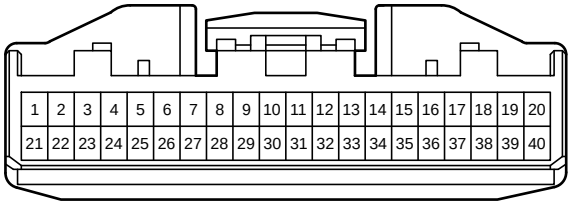

90980-12368

P22
Black



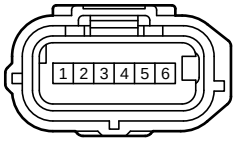

82824-78040

P25
Black



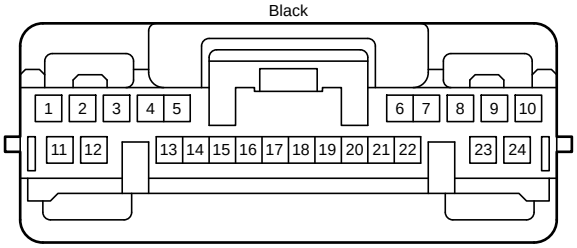

90980-12557

P35
Black



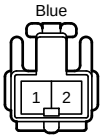

90980-12303

P59
Black



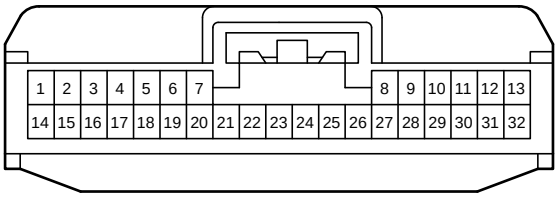

90980-12912

P61
Blue



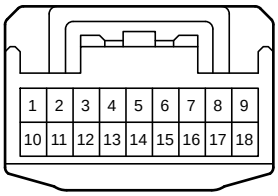

90980-10860

P62
White



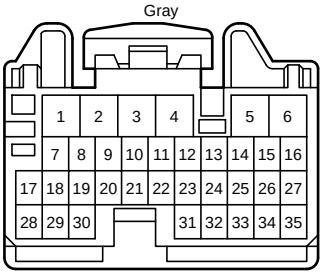

90980-12422

P63
White



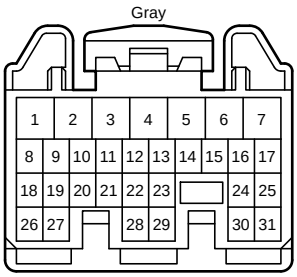

90980-12412

P64
Gray



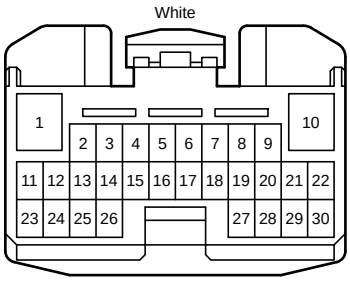

90980-12429

P65
Gray



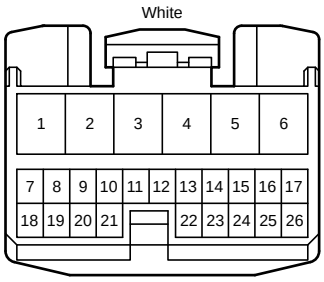

90980-12431

P74
White



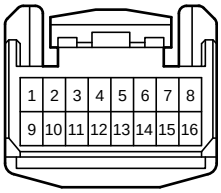

90980-12562

P75
White




90980-12561

P76
White




90980-12553

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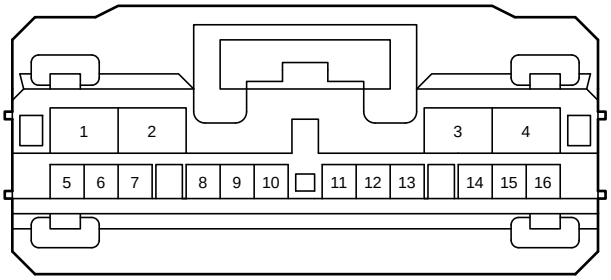


90980-12763

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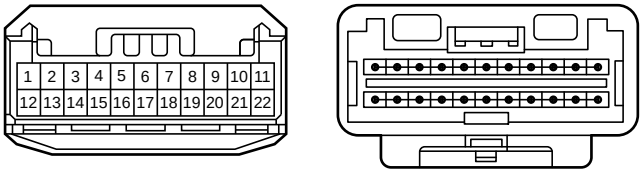


90980-12B54

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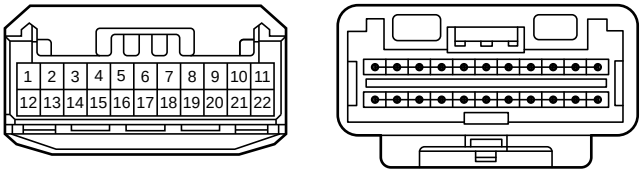


90980-12B54

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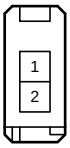


90980-12827

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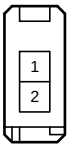


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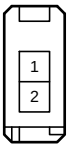


90980-12827

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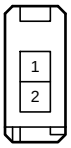


90980-12827

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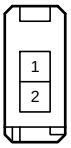


90980-12827

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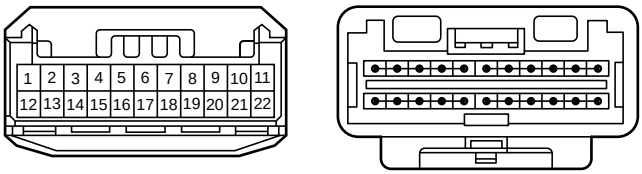


90980-12B54

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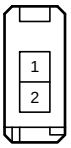


90980-12827

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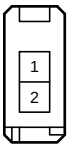


90980-12827

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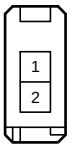


90980-12827

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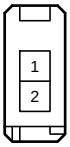


90980-12827

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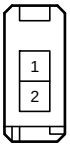


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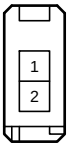


90980-12827

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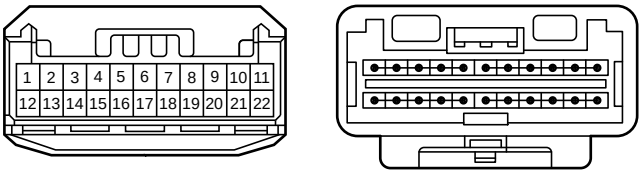


90980-12B54

P138
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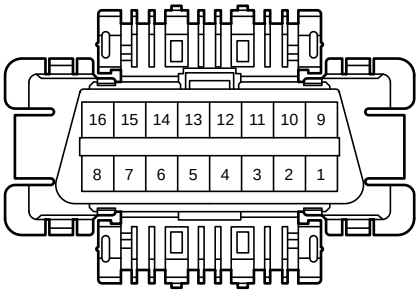


90980-12D97

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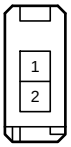


90980-12827

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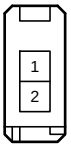


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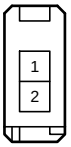


90980-12827

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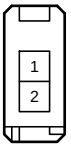


90980-12827

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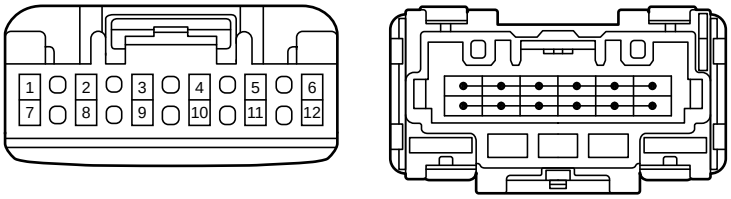


90980-12C68

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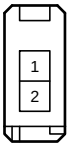


90980-12827

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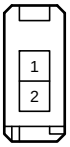


90980-12827

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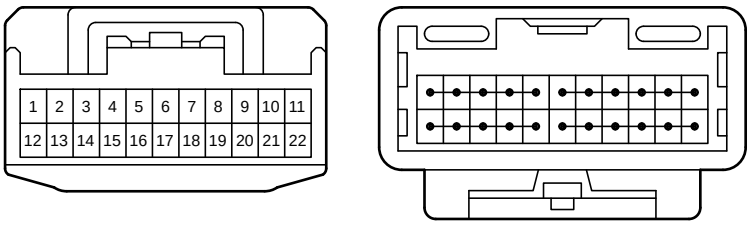


90980-12372

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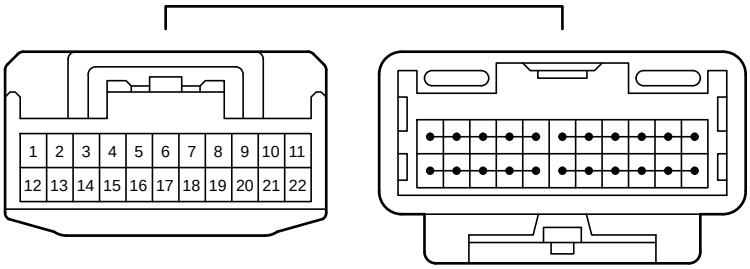


90980-12372

a1
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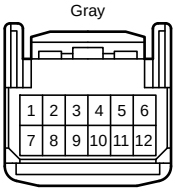


90980-12552

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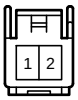


90980-12063

b10
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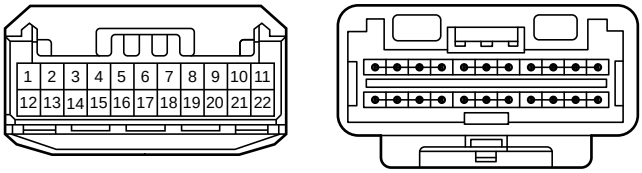


90980-12B54

z2
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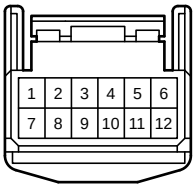


90980-12559

z6
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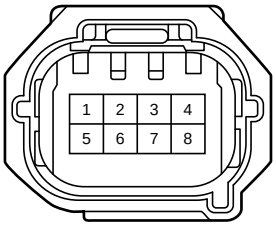


90980-12C58

z22
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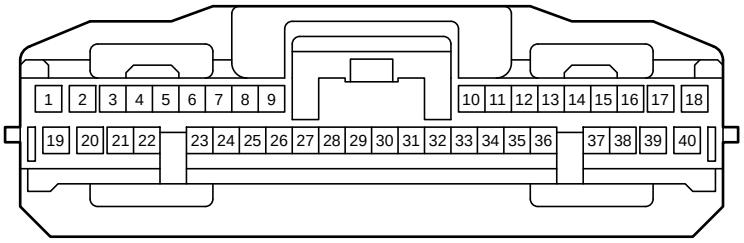


90980-12708

z34
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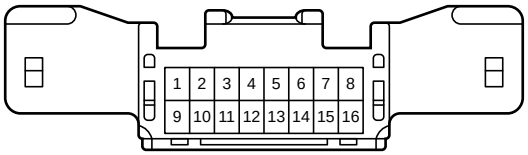
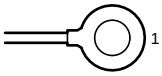



82824-11070

1A




3A
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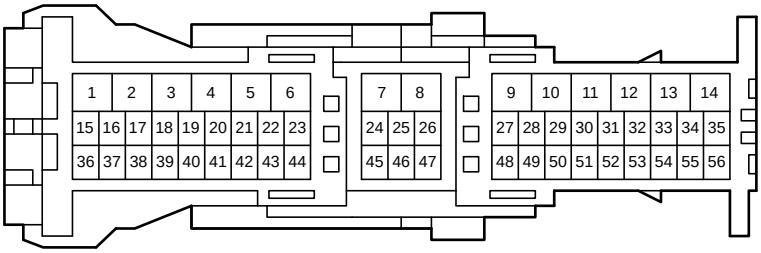
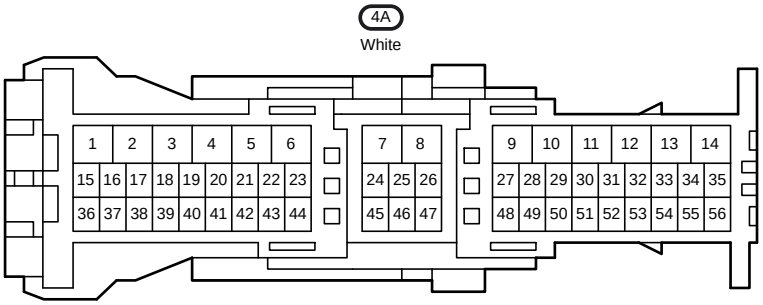



90980-12943

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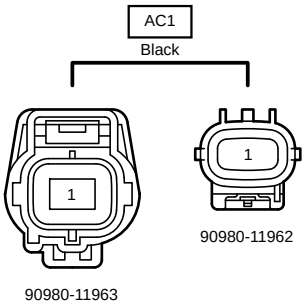
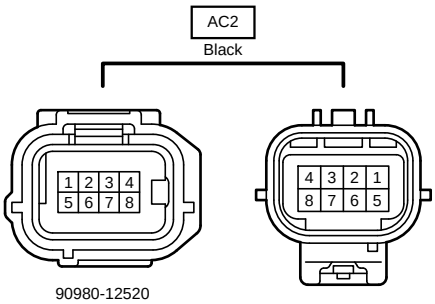


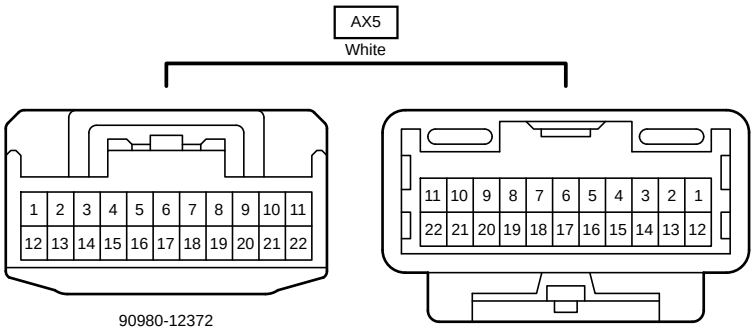

90980-11963

90980-11962



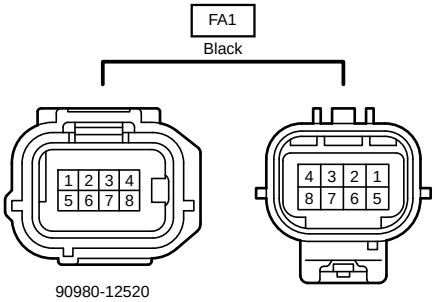

90980-12520

90980-12519



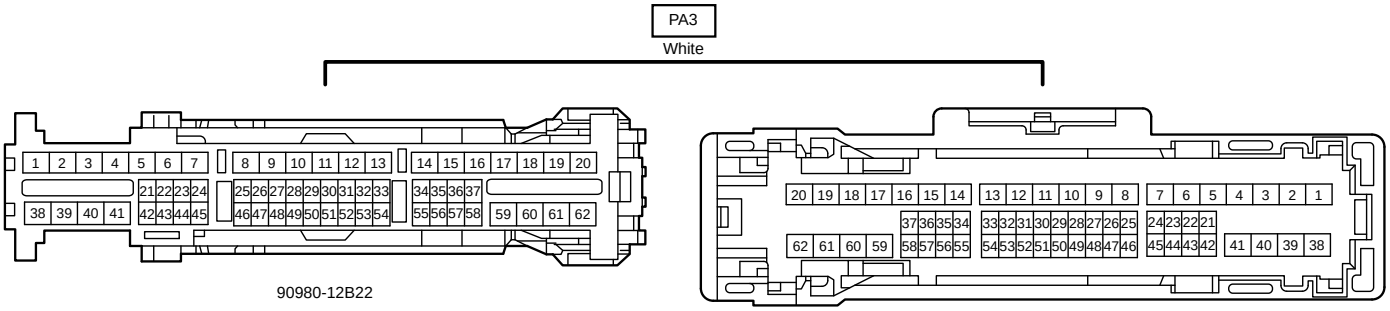

90980-12372

90980-12371




90980-12520

90980-12519




90980-12B22

90980-12B21

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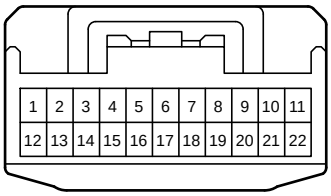


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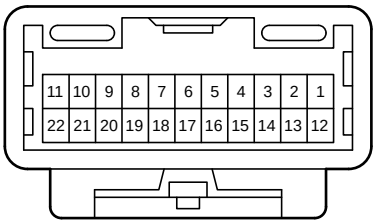


90980-12371

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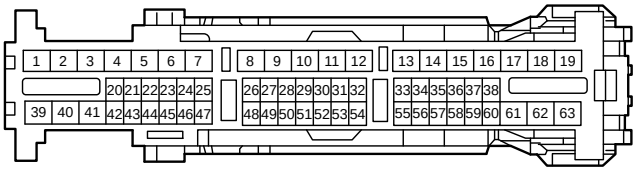
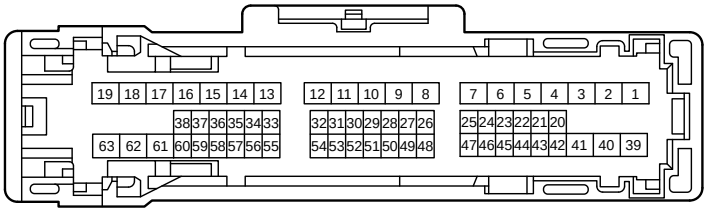



90980-12B20




90980-12B19

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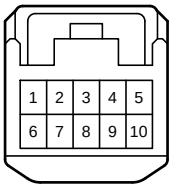
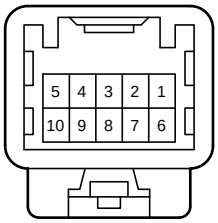



90980-12368




90980-12367

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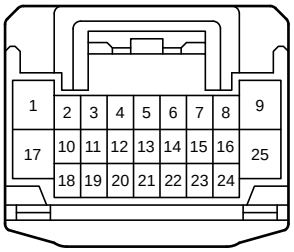
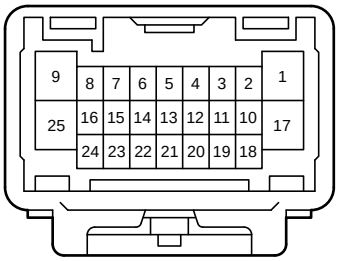



90980-12414




90980-12413

PZ2
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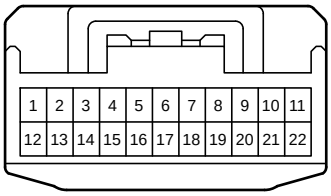
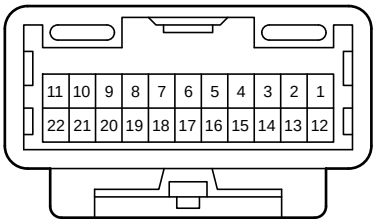



90980-12372

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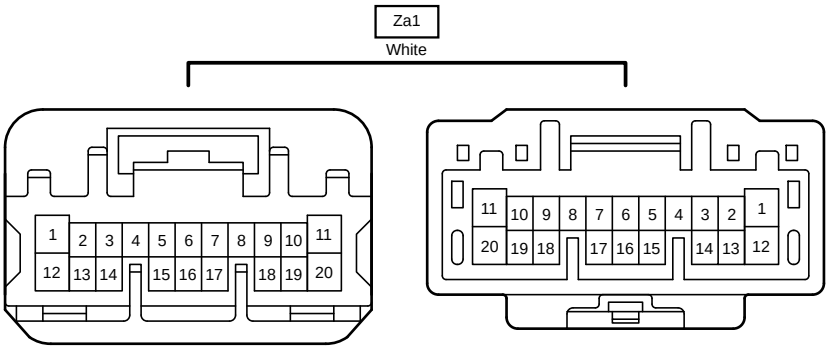
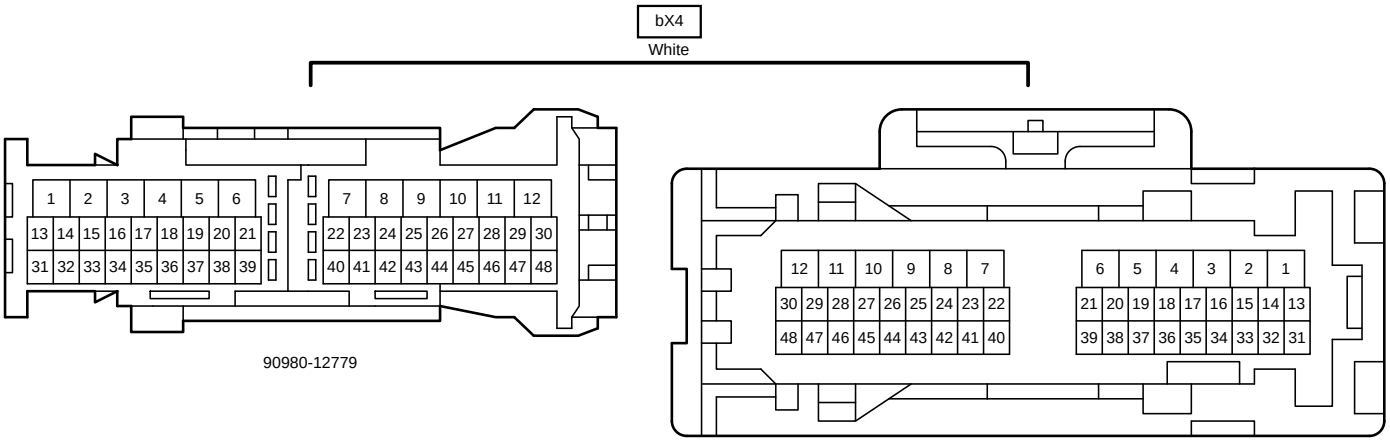



90980-12741

90980-12740




90980-12779

90980-12799