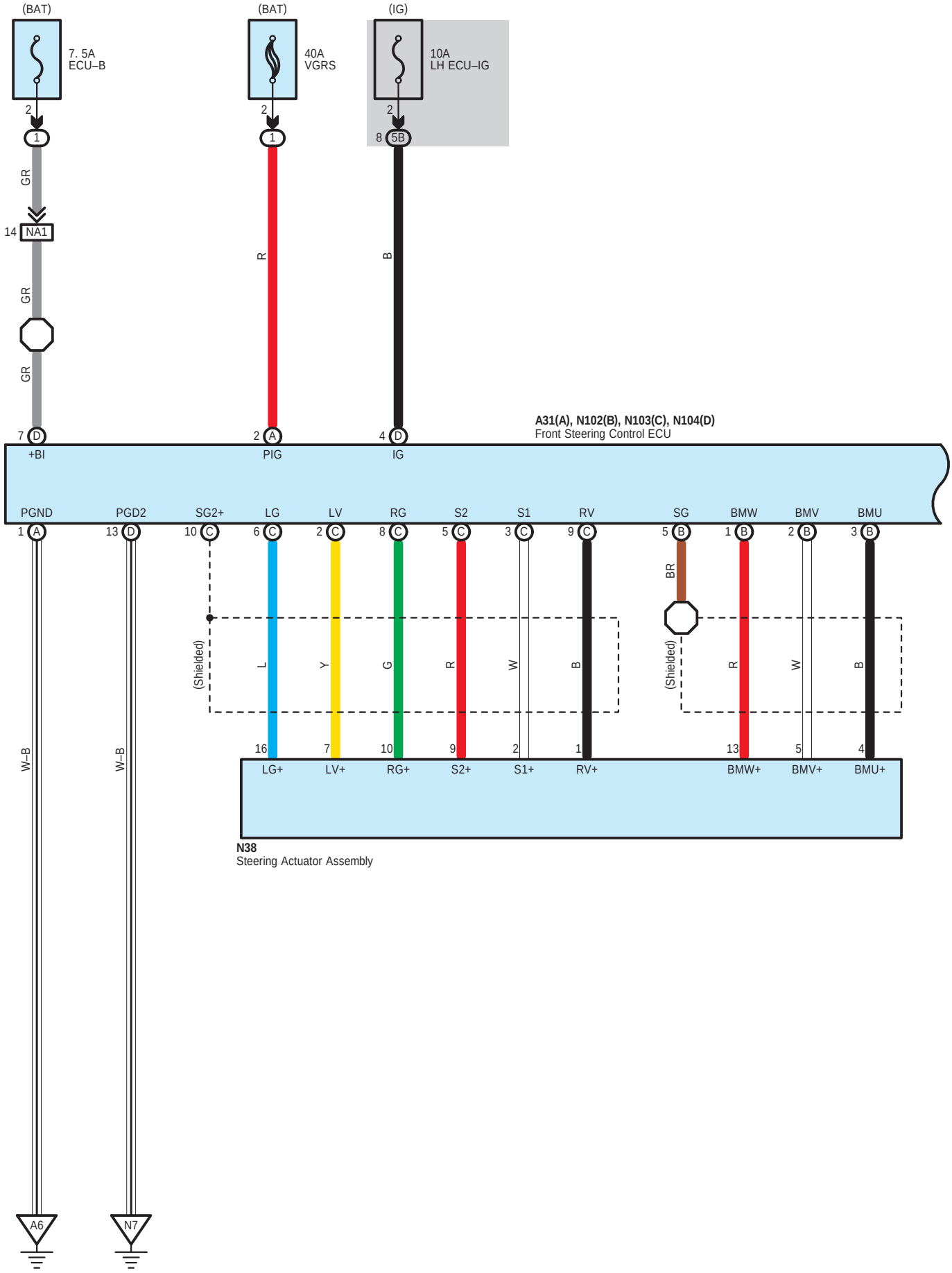
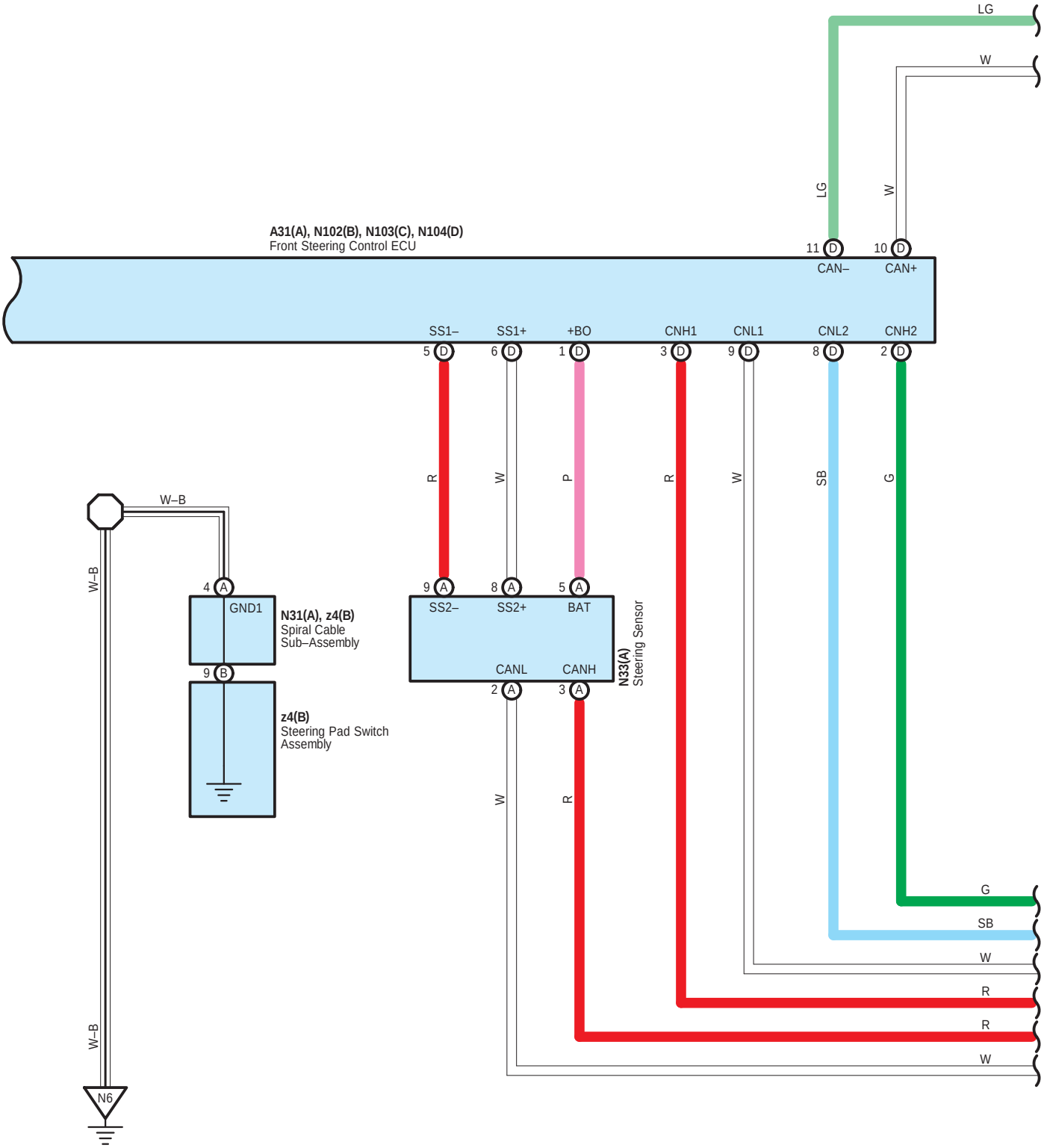
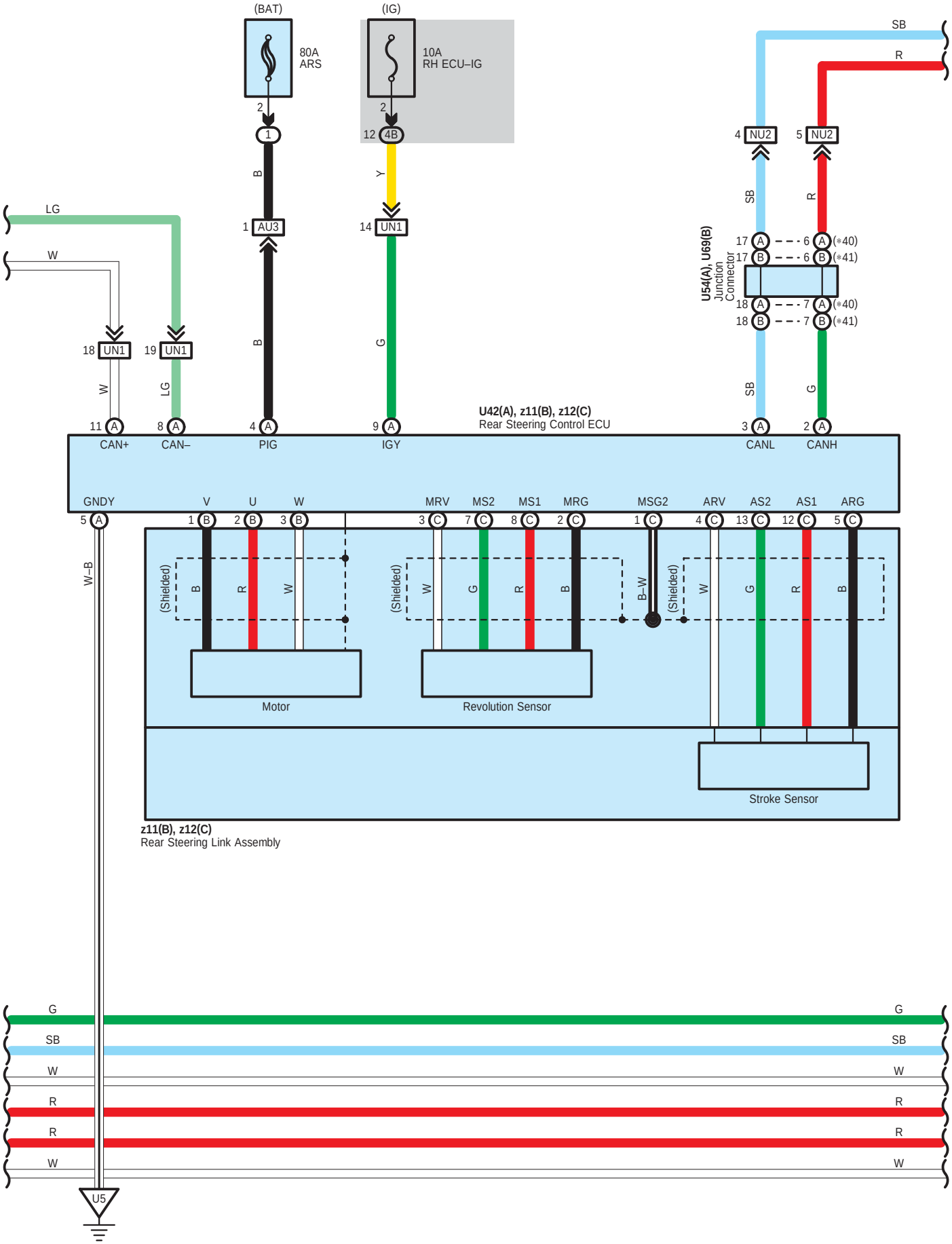
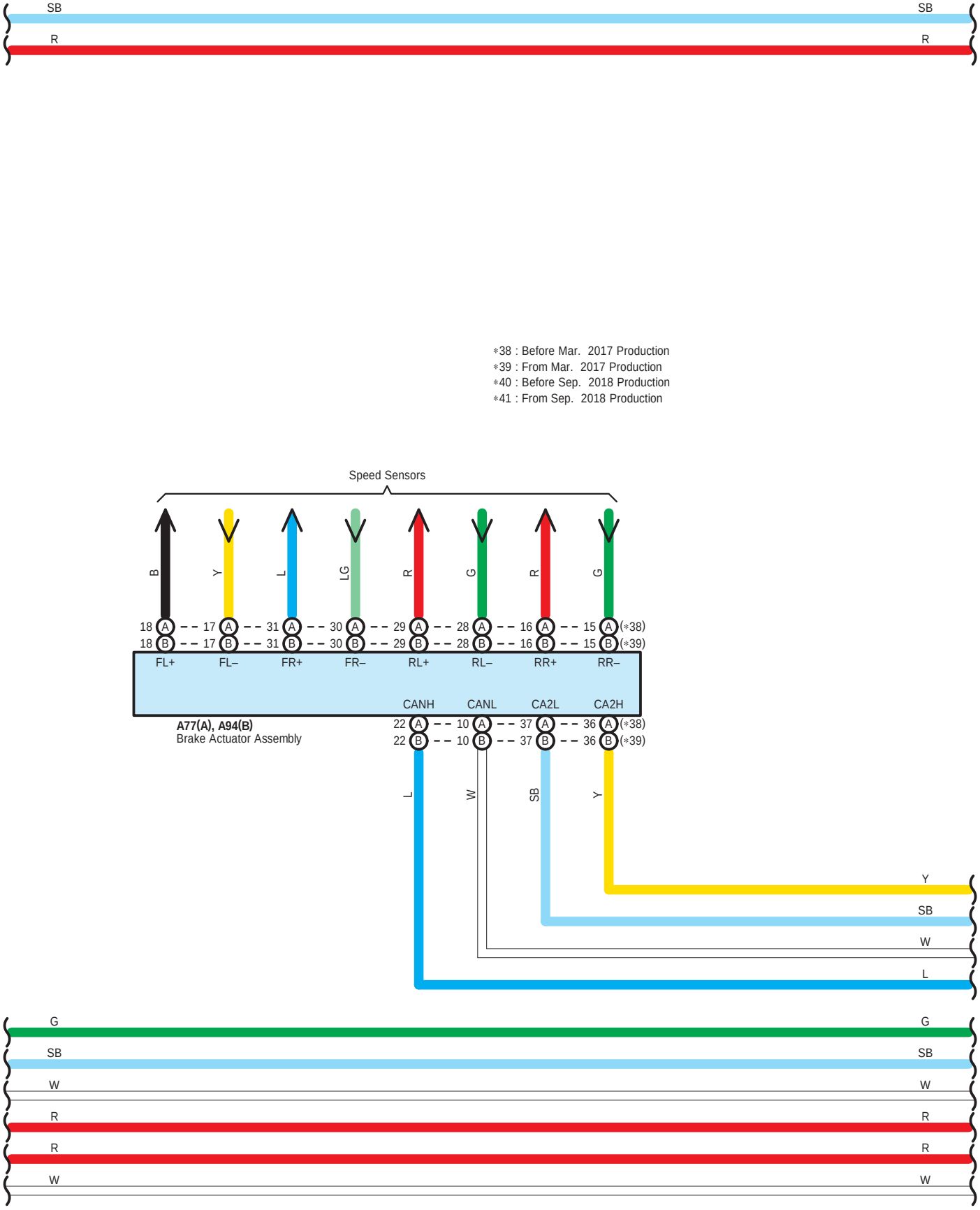
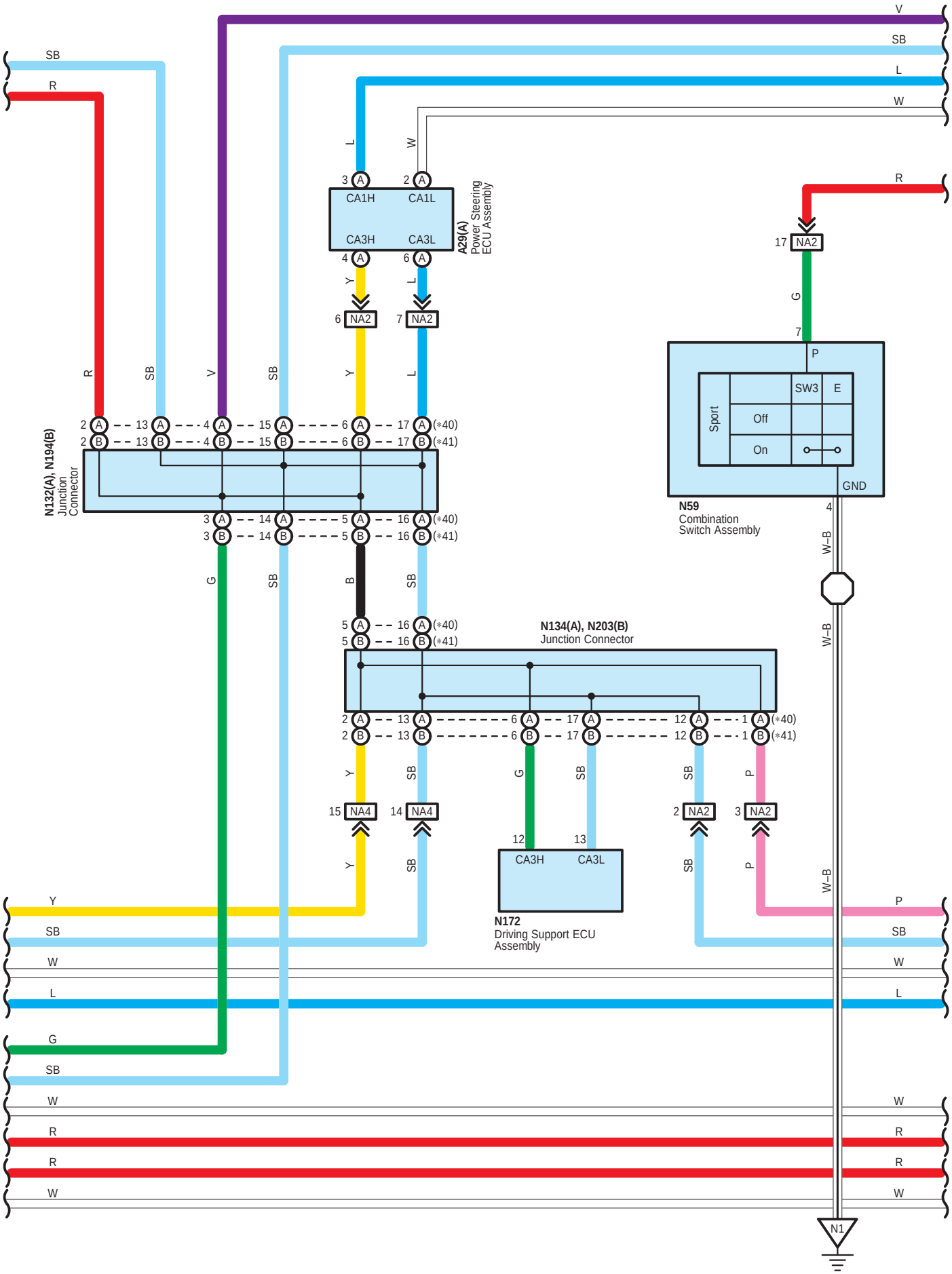
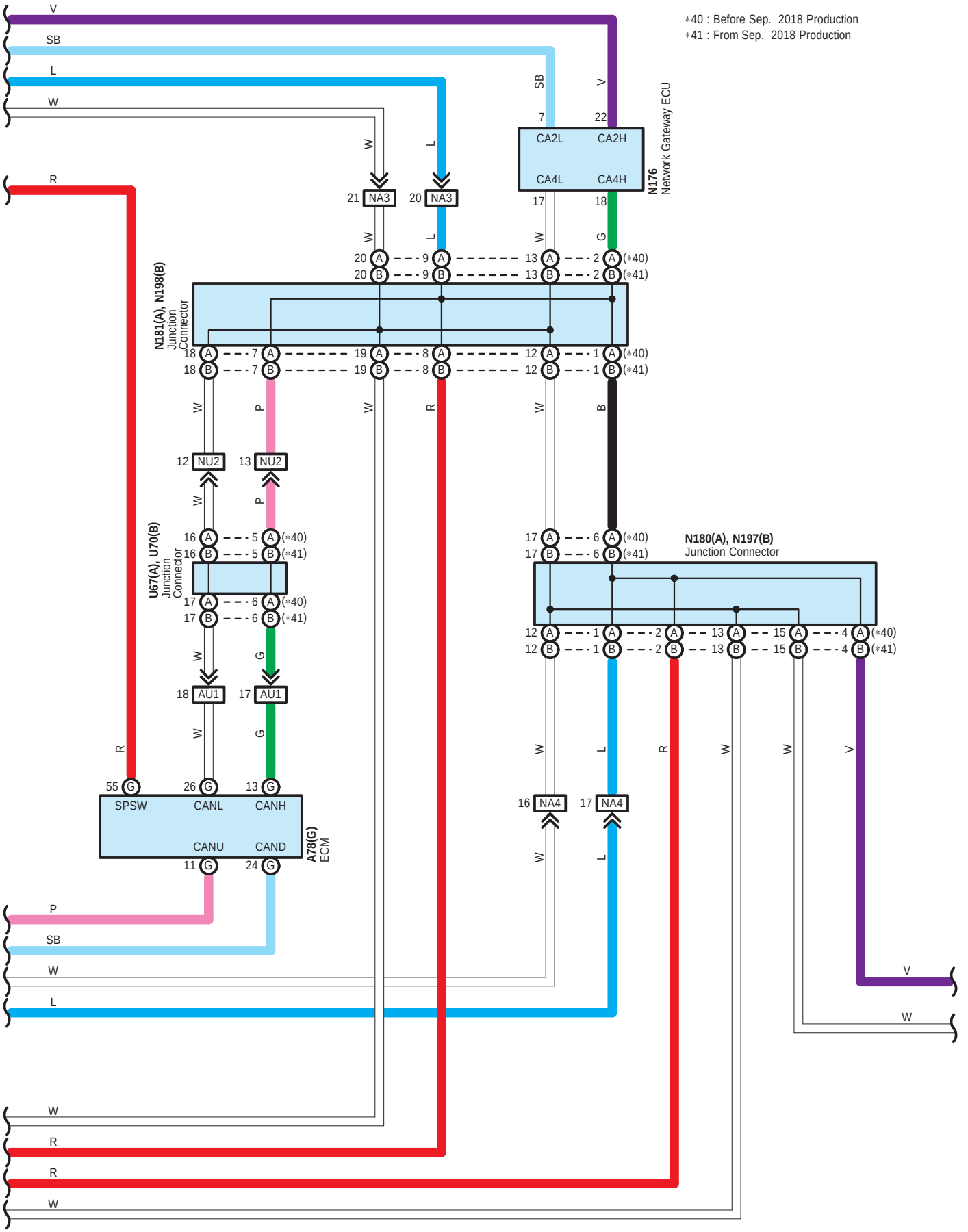

(BAT)
7. 5A
ECU–B
(BAT)
40A
VGRS
(IG)
10A
LH ECU–IG
GR
NA1
R
B
A31(A), N102(B), N103(C), N104(D)
Front Steering Control ECU
+BI
PIG
IG
PGND
PGD2
SG2+
LG
LV
RG
S2
S1
RV
SG
BMW
BMV
BMU
(Shielded)
BR
LG+
LV+
RG+
S2+
S1+
RV+
BMW+
BMV+
BMU+
W–B
A6
N7
N38
Steering Actuator Assembly

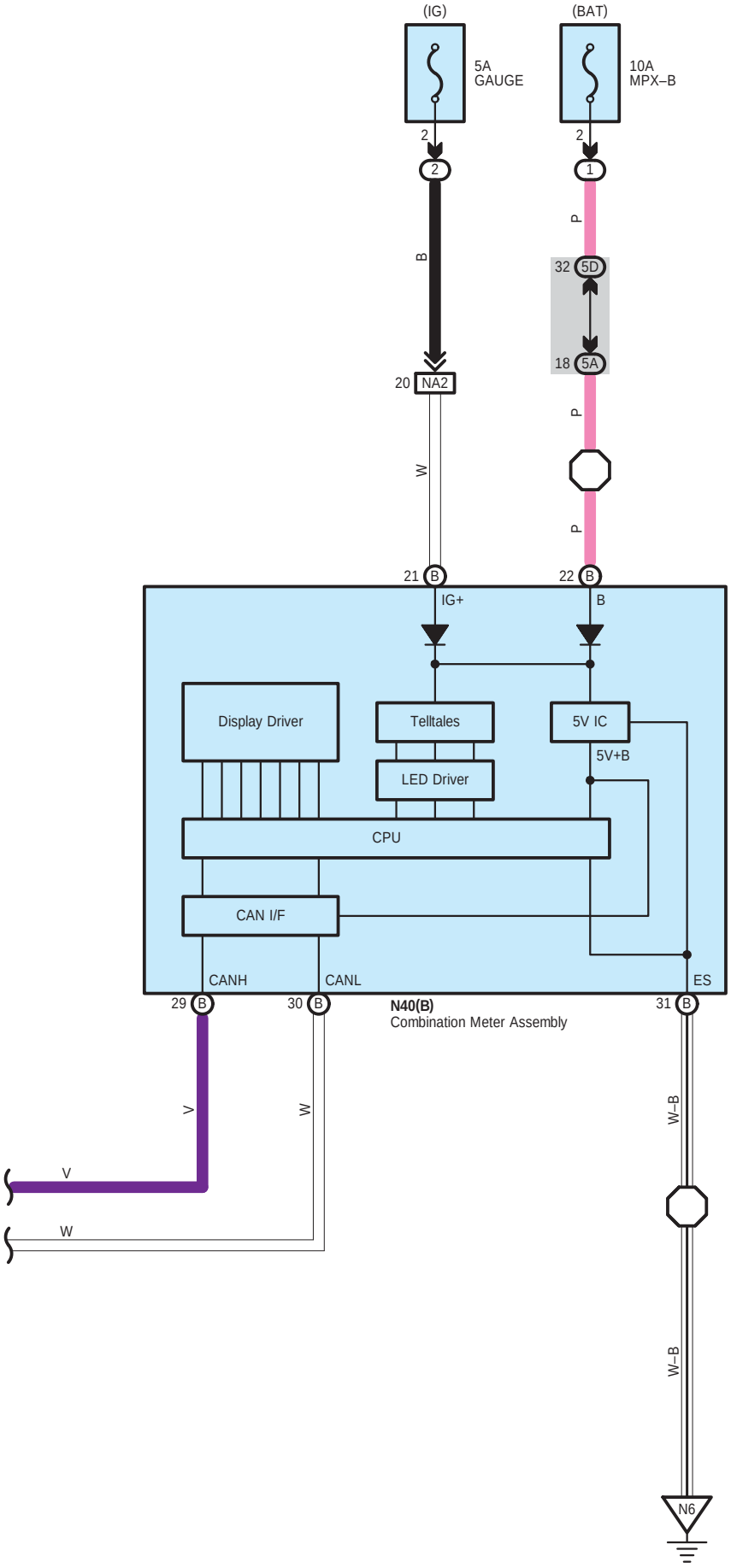

LG
W
LG
W
A31(A), N102(B), N103(C), N104(D)
Front Steering Control ECU
11 D
CAN–
10 D
CAN+
SS1–
SS1+
+BO
CNH1
CNL1
CNL2
CNH2
5 D
6 D
1 D
3 D
9 D
8 D
2 D
R
W
P
R
W
SB
G
W–B
W–B
4 A
GND1
N31(A), z4(B)
Spiral Cable
Sub–Assembly
9 B
z4(B)
Steering Pad Switch
Assembly
9 A
8 A
5 A
SS2–
SS2+
BAT
CANL
CANH
2 A
3 A
N33(A)
Steering Sensor
W
R
G
SB
W
R
R
W
W–B
N6


(BAT)
80A
ARS
(IG)
10A
RH ECU–IG
SB
R
LG
W
1 AU3
14 UN1
4 NU2
5 NU2
U54(A), U69(B)
Junction
Connector
(*40)
(*41)
18 UN1
19 UN1
U42(A), z11(B), z12(C)
Rear Steering Control ECU
CAN+
CAN–
PIG
IGY
CANL
CANH
GNDY
V
U
W
MRV
MS2
MS1
MRG
MSG2
ARV
AS2
AS1
ARG
W–B
(Shielded)
B–W
Motor
Revolution Sensor
Stroke Sensor
z11(B), z12(C)
Rear Steering Link Assembly
G
SB
W
R
U5

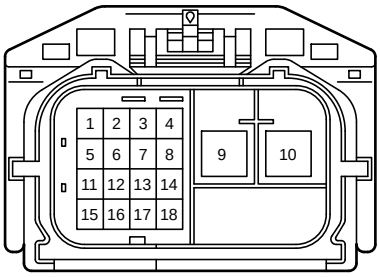

SB
R
SB
R
∗38 : Before Mar. 2017 Production
∗39 : From Mar. 2017 Production
∗40 : Before Sep. 2018 Production
∗41 : From Sep. 2018 Production
Speed Sensors
B
Y
L
LG
R
G
R
G
18 A 17 A 31 A 30 A 29 A 28 A 16 A 15 A (∗38)
18 B 17 B 31 B 30 B 29 B 28 B 16 B 15 B (∗39)
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
CANH
CANL
CA2L
CA2H
A77(A), A94(B)
Brake Actuator Assembly
22 A 10 A 37 A 36 A (∗38)
22 B 10 B 37 B 36 B (∗39)
L
W
SB
Y
Y
SB
W
L
G
SB
W
R
R
W
G
SB
W
R
R
W


A29(A)
Power Steering
ECU Assembly
CA1H
CA1L
CA3H
CA3L
NA2
N132(A), N194(B)
Junction
Connector
N59
Combination
Switch Assembly
Sport
Off
On
SW3
E
GND
N134(A), N203(B)
Junction Connector
NA4
N172
Driving Support ECU
Assembly
N1
(*40)
(*41)

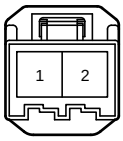

∗40 : Before Sep. 2018 Production
∗41 : From Sep. 2018 Production
N176
Network Gateway ECU
CA2L
CA2H
CA4L
CA4H
N181(A), N198(B)
Junction Connector
U67(A), U70(B)
Junction Connector
N180(A), N197(B)
Junction Connector
A78(G)
ECM
SPSW
CANL
CANH
CANU
CAND
NA3
NA4
NU2
AU1
V
SB
L
W
R
P
G
B


(IG)
(BAT)
5A
GAUGE
10A
MPX–B
2
2
2
1
B
P
32
5D
18
5A
20
NA2
W
P
P
21
B
22
B
IG+
B
Display Driver
Telltales
5V IC
5V+B
LED Driver
CPU
CAN I/F
CANH
CANL
ES
29
B
30
B
31
B
N40(B)
Combination Meter Assembly
V
W
V
W
W–B
W–B
N6

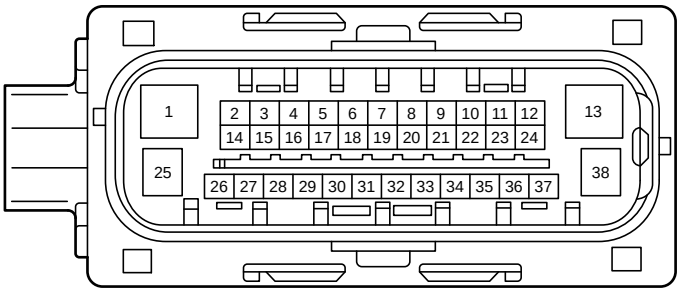
A 29
Black



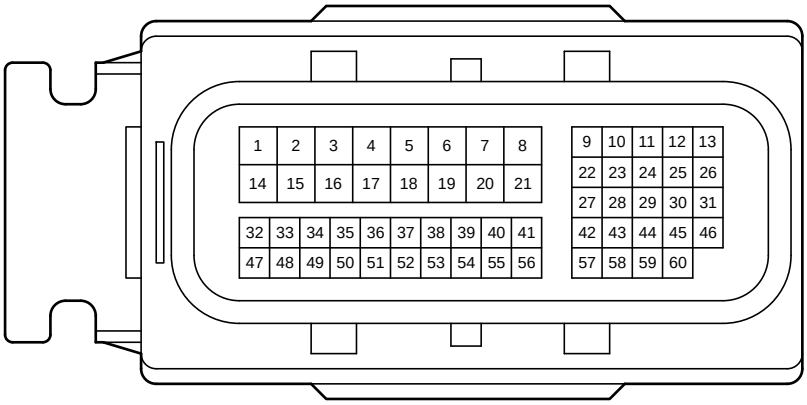
A 31
White



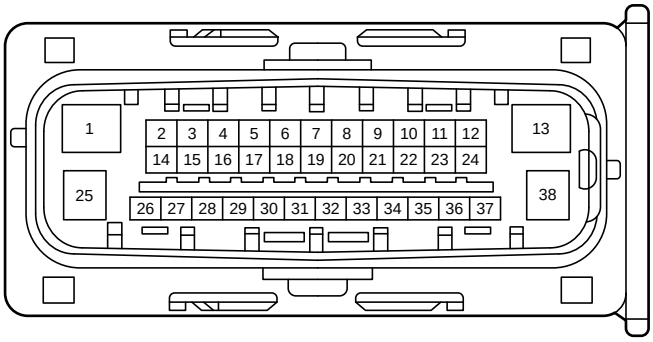
A 77
Black



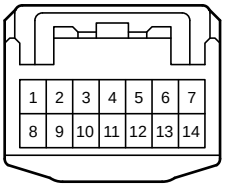
A 78
Black



A 94
Black



N 31
Black



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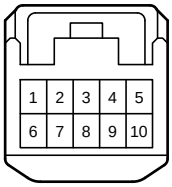

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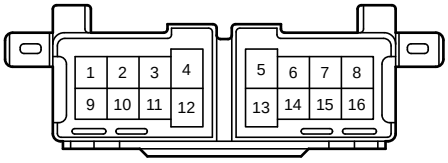

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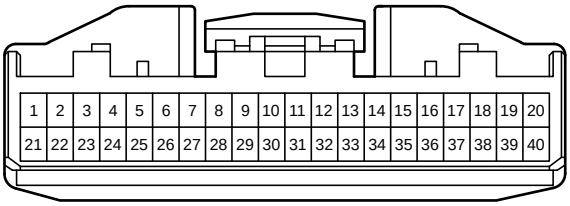
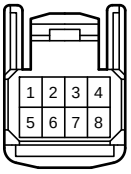


N 59
Black



N102
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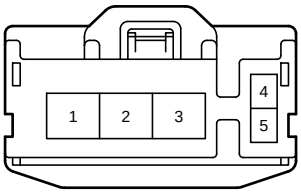

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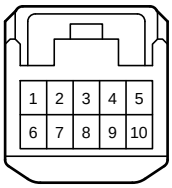

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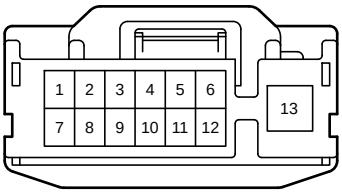

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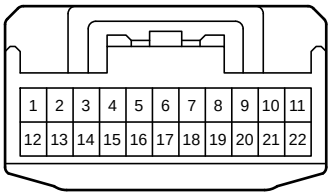

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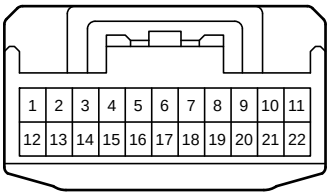

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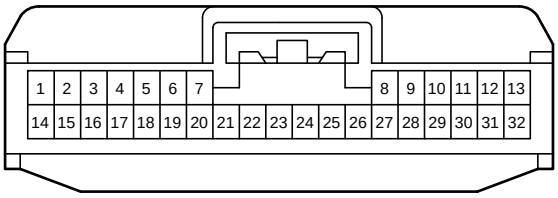

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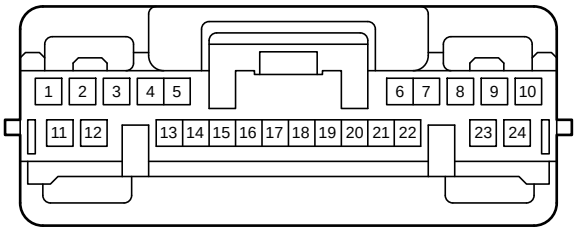

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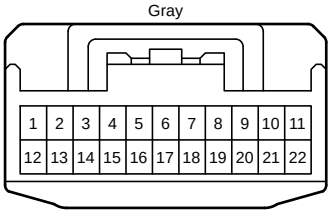

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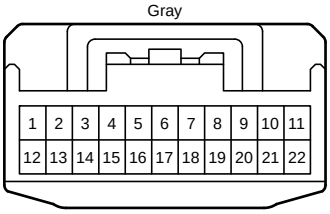

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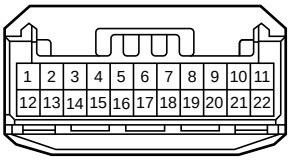

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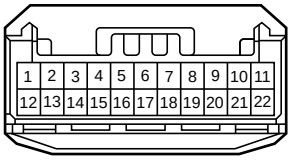

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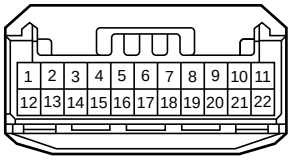

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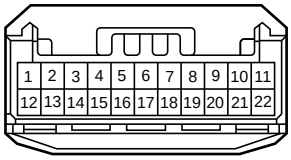

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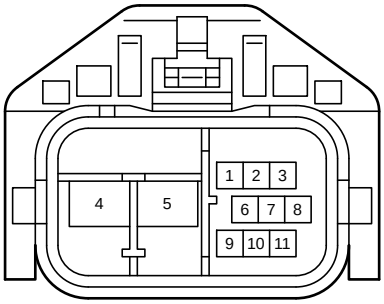
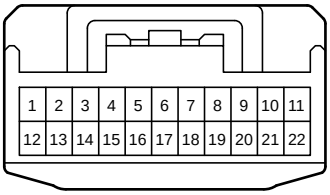
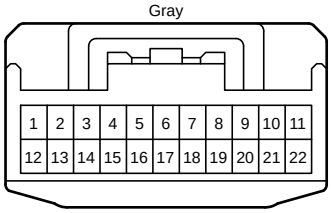


U 54
Blue



U 67
Gray



U 69
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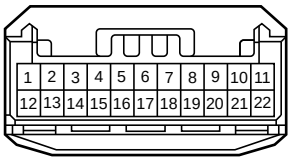

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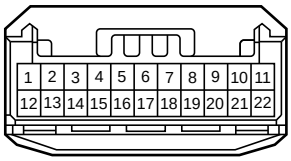
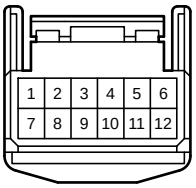
Black



z 4
Black



z 11
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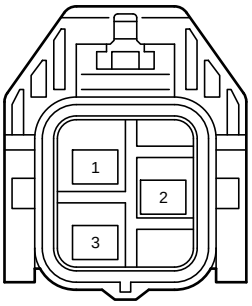
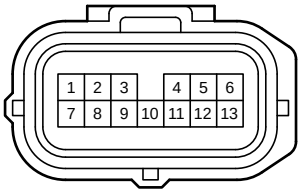


z 12
Black



4B
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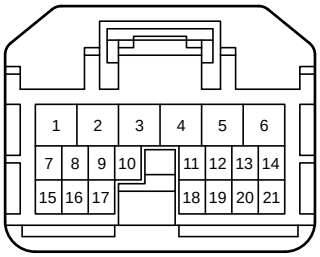

5A
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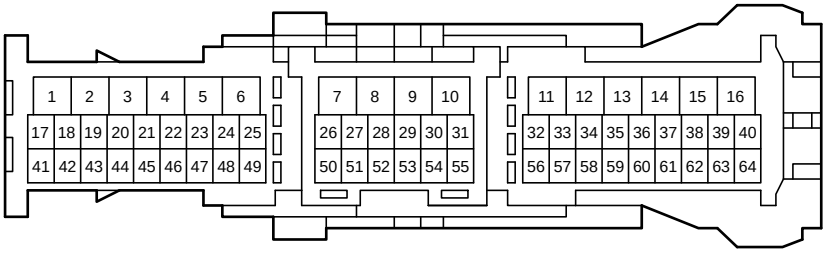
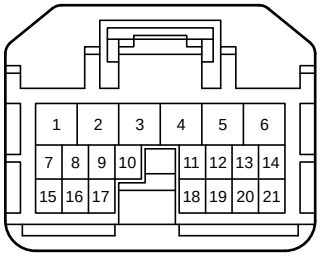


5B
White



5D
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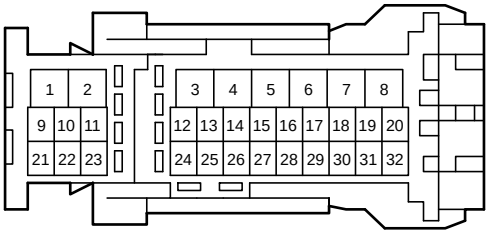

AU1
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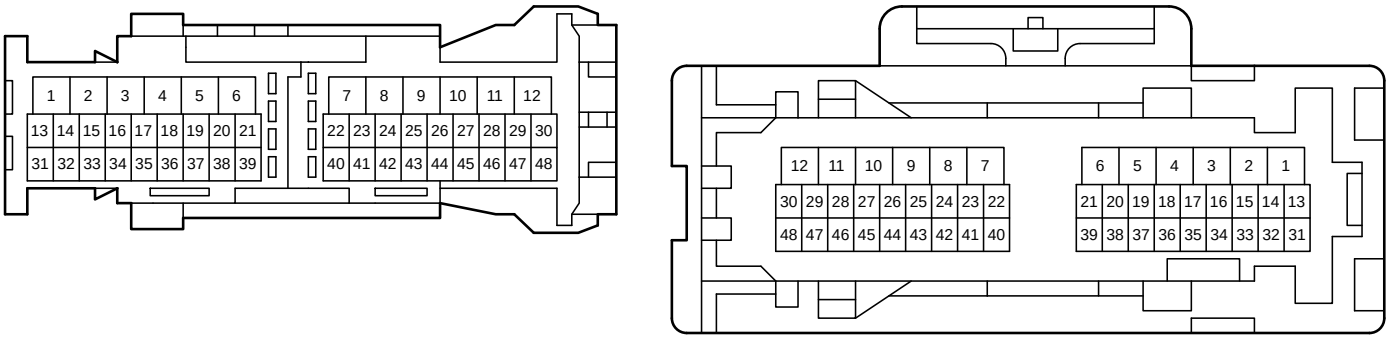
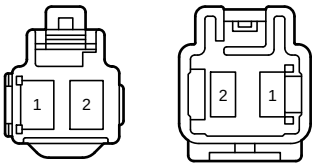


AU3
White



NA1
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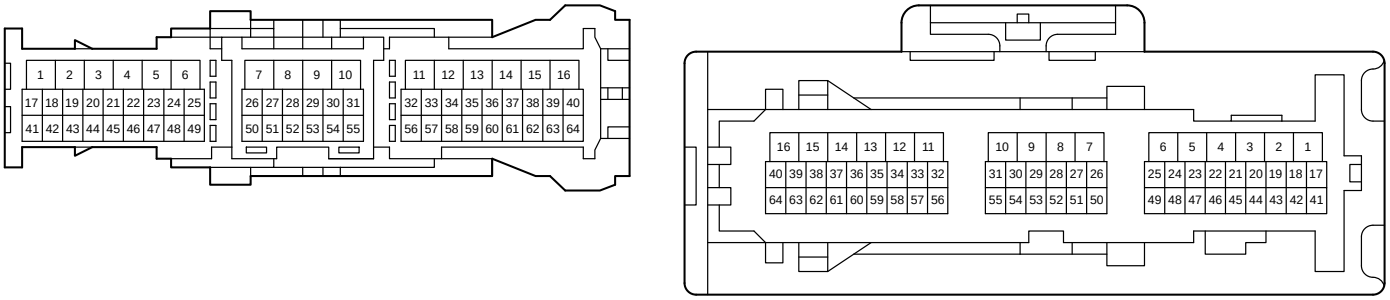

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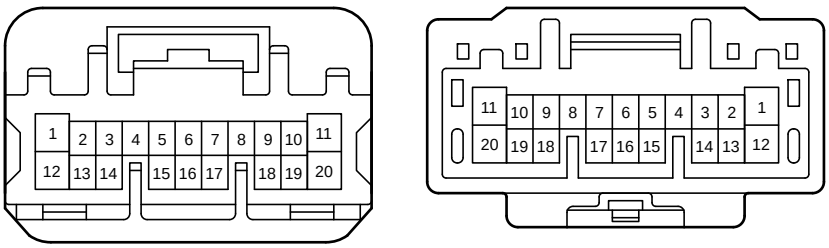

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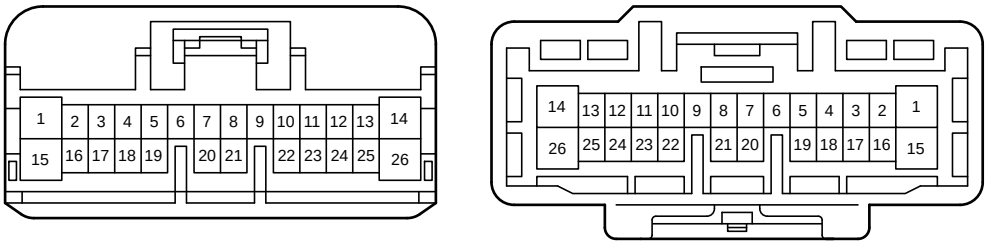

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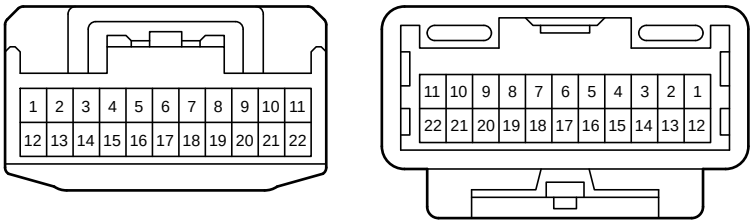

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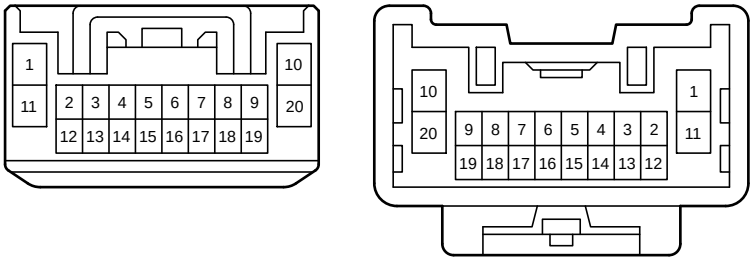
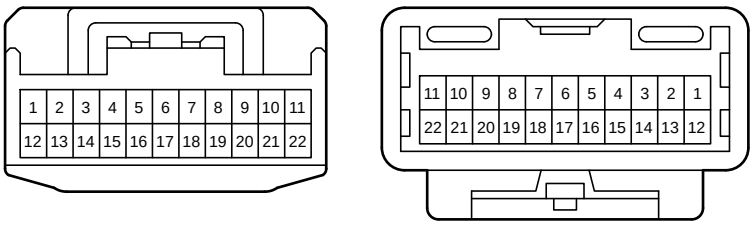
UN1
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