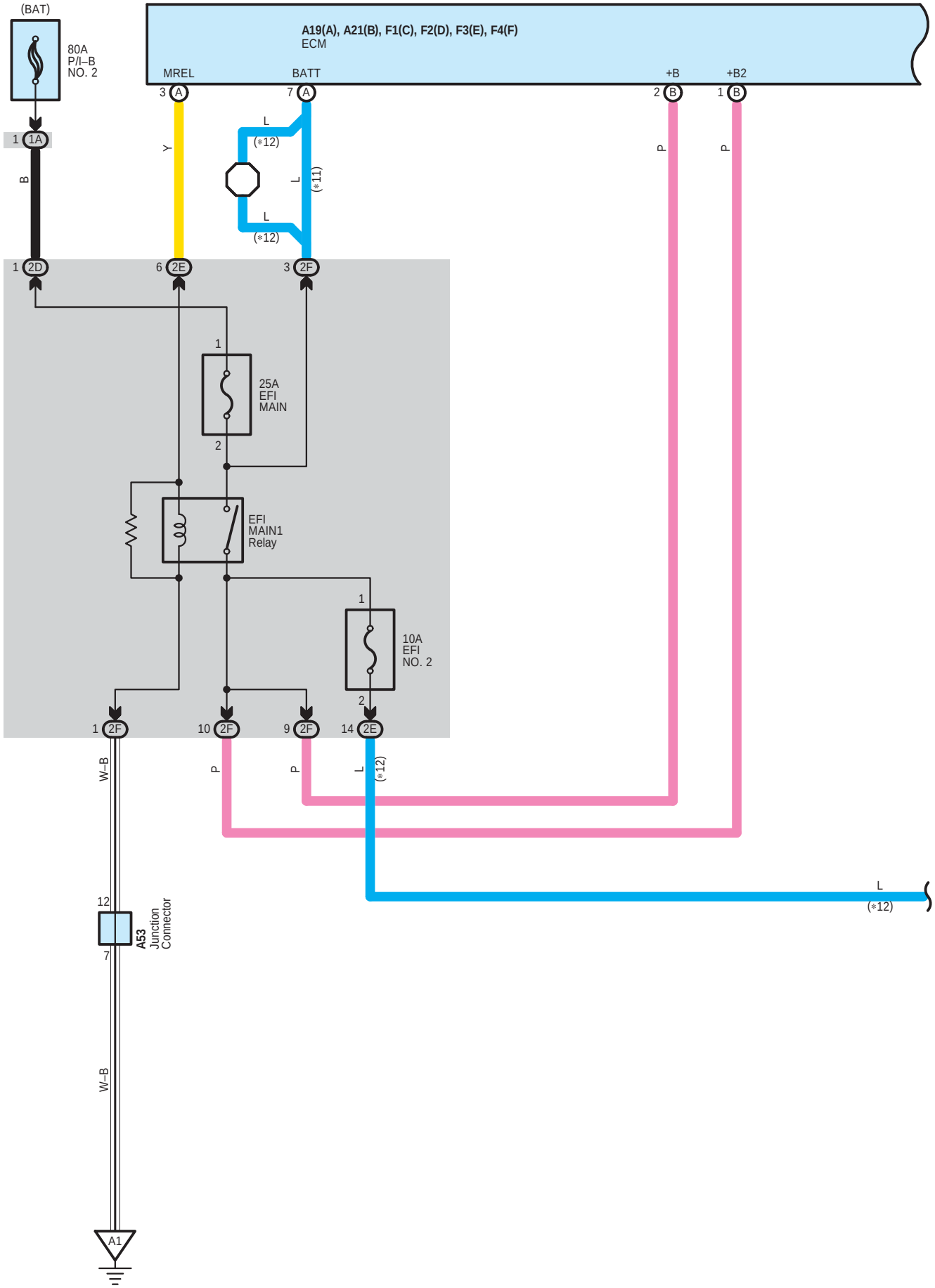
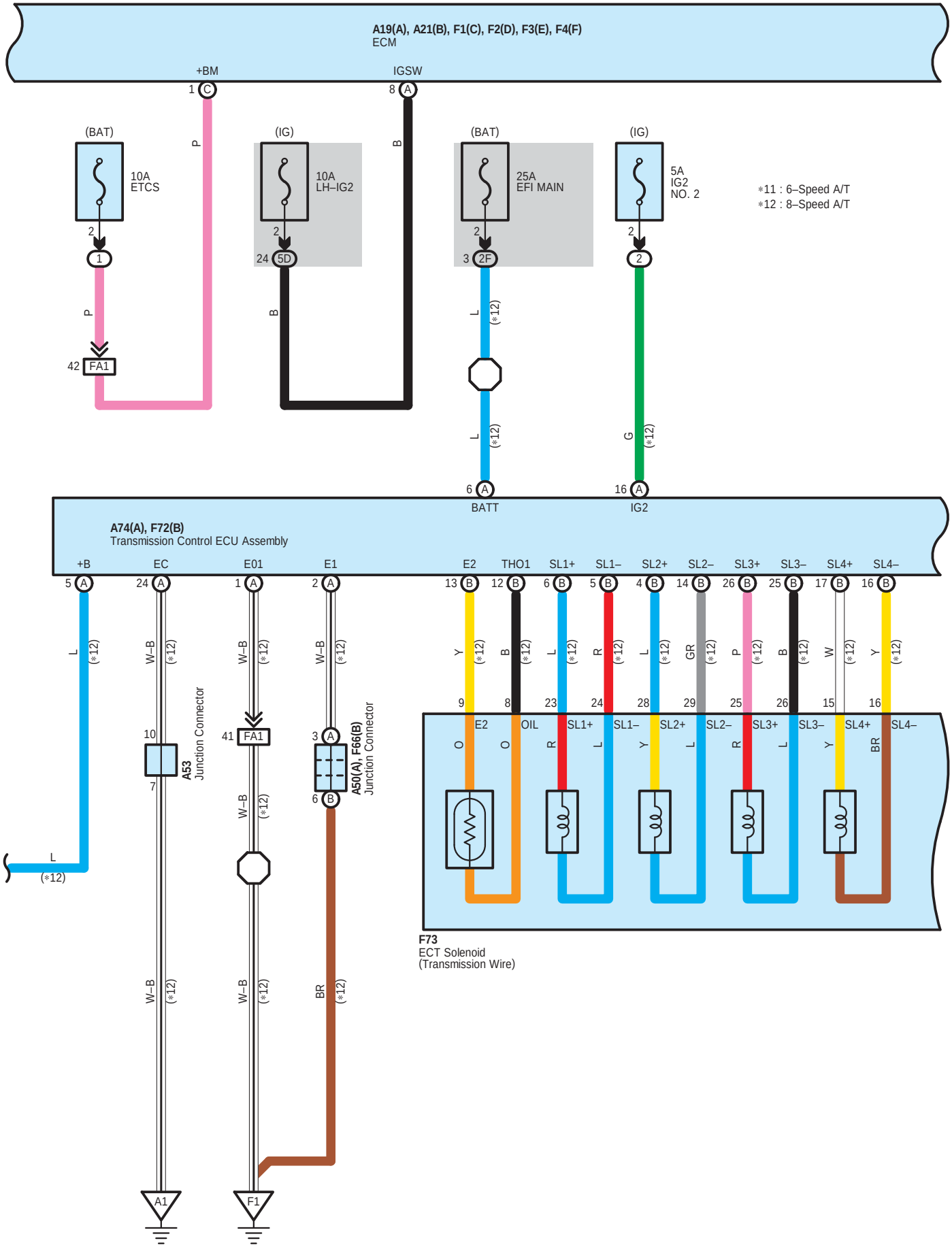
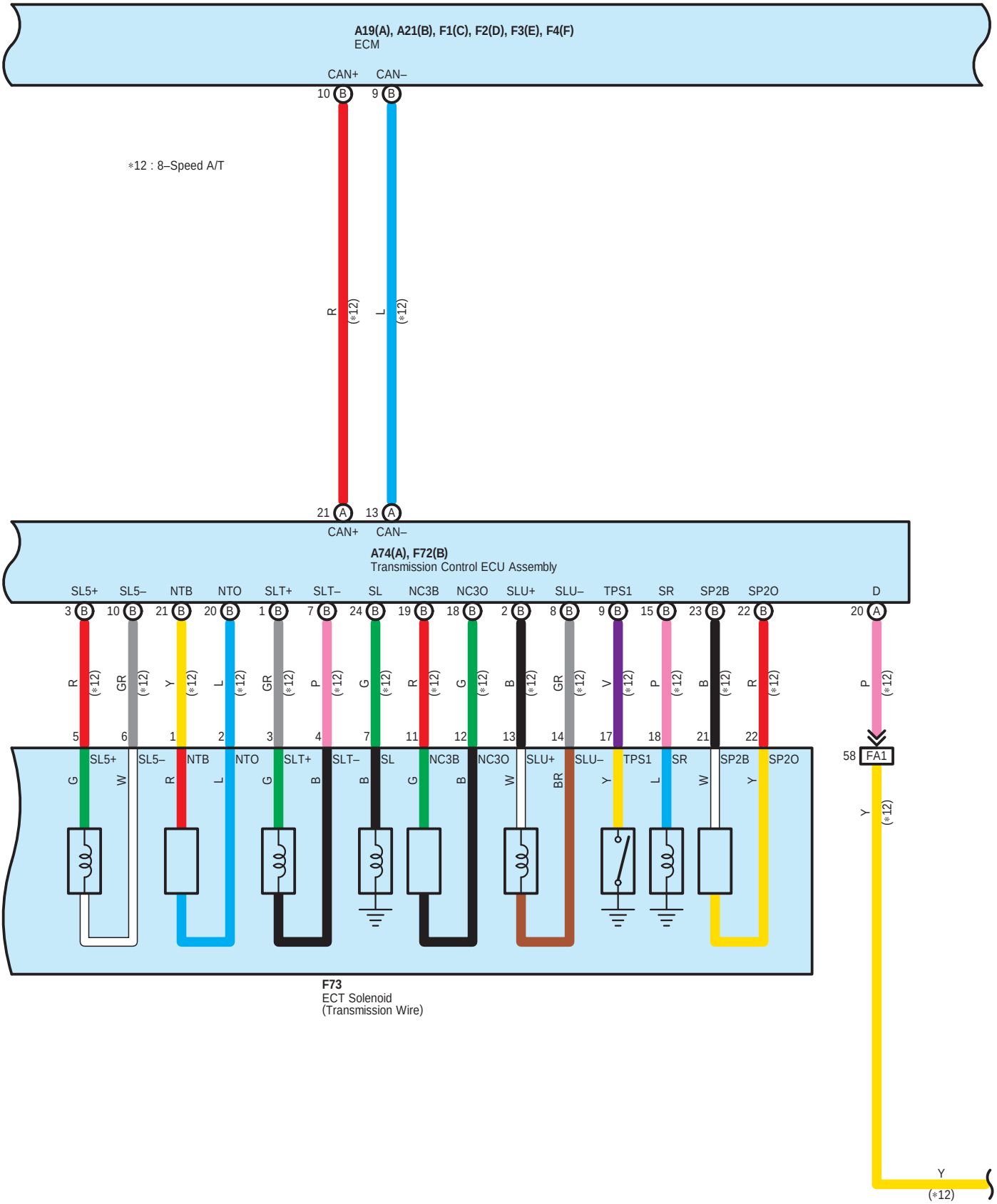
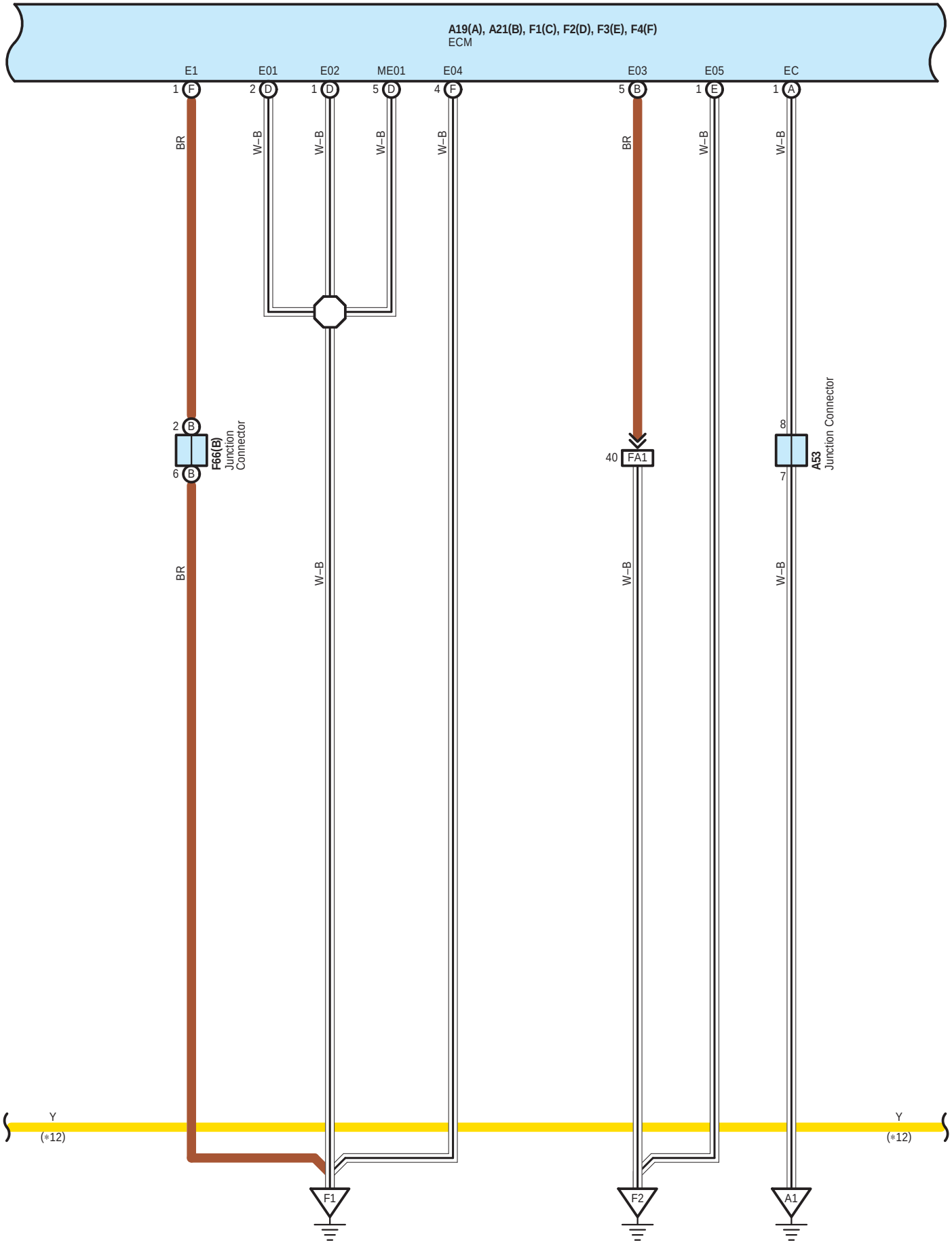
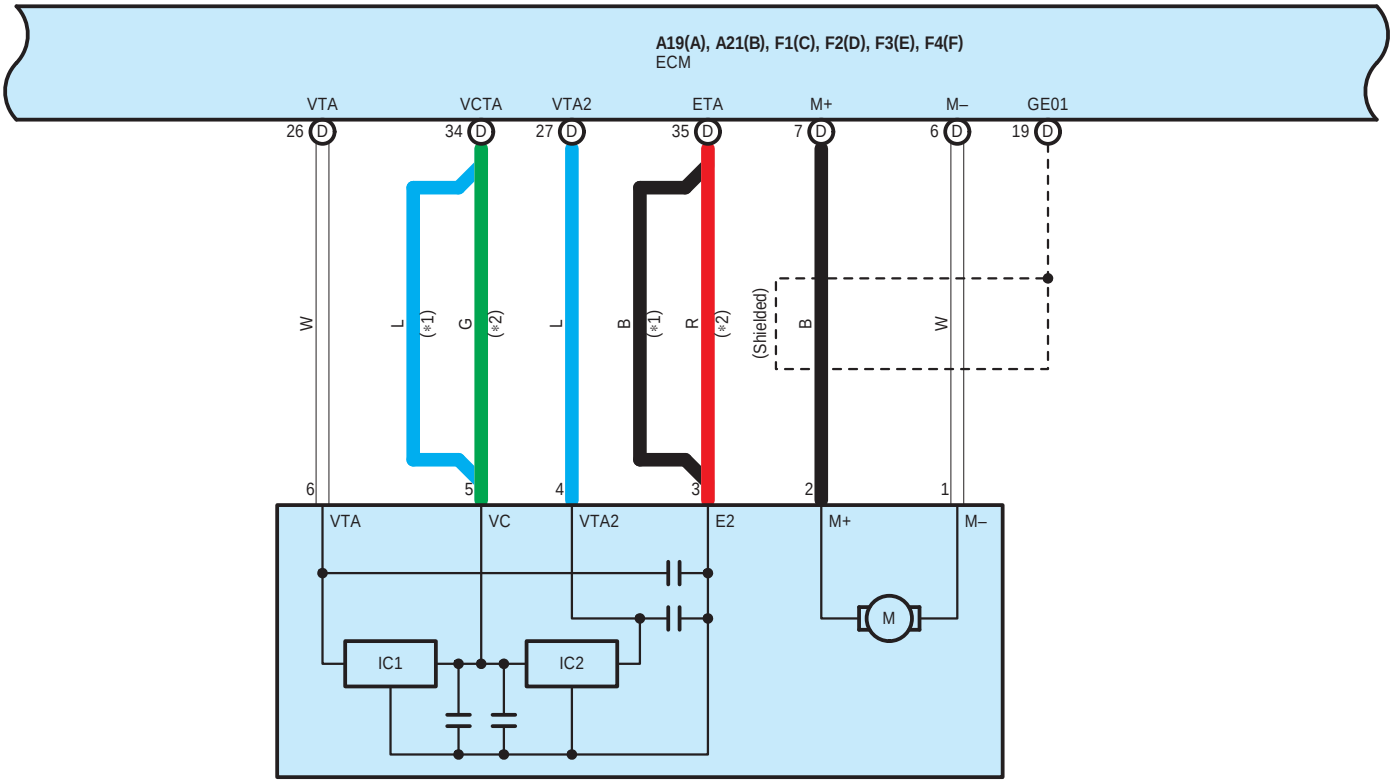

(BAT)
80A
P/I–B
NO. 2
A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
MREL
BATT
+B
+B2
3 A
7 A
2 B
1 B
1 1A
B
Y
L
(*12)
(*11)
P
1 2D
6 2E
3 2F
25A
EFI
MAIN
EFI
MAIN1
Relay
10A
EFI
NO. 2
1 2F
10 2F
9 2F
14 2E
W–B
12
7
A53
Junction
Connector
A1


A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
+BM
IGSW
(BAT)
10A
ETCS
(IG)
10A
LH–IG2
(BAT)
25A
EFI MAIN
(IG)
5A
IG2
NO. 2
∗11 : 6–Speed A/T
∗12 : 8–Speed A/T
FA1
BATT
IG2
A74(A), F72(B)
Transmission Control ECU Assembly
+B
EC
E01
E1
E2
THO1
SL1+
SL1–
SL2+
SL2–
SL3+
SL3–
SL4+
SL4–
A53
Junction Connector
A50(A), F66(B)
Junction Connector
A1
F1
F73
ECT Solenoid
(Transmission Wire)


A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
CAN+
CAN–
10 B
9 B
∗12 : 8–Speed A/T
R (∗12)
L (∗12)
21 A
13 A
CAN+
CAN–
A74(A), F72(B)
Transmission Control ECU Assembly
SL5+ SL5– NTB NTO SLT+ SLT– SL NC3B NC3O SLU+ SLU– TPS1 SR SP2B SP2O D
3 B 10 B 21 B 20 B 1 B 7 B 24 B 19 B 18 B 2 B 8 B 9 B 15 B 23 B 22 B 20 A
R (∗12) GR (∗12) Y (∗12) L (∗12) GR (∗12) P (∗12) G (∗12) R (∗12) G (∗12) B (∗12) GR (∗12) V (∗12) P (∗12) B (∗12) R (∗12) P (∗12)
5 6 1 2 3 4 7 11 12 13 14 17 18 21 22
58 FA1
SL5+ SL5– NTB NTO SLT+ SLT– SL NC3B NC3O SLU+ SLU– TPS1 SR SP2B SP2O
G W R L G B B G B W BR Y L W Y
Y (∗12)
F73
ECT Solenoid
(Transmission Wire)
Y
(∗12)


A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
E1
E01
E02
ME01
E04
E03
E05
EC
BR
W–B
F66(B)
Junction
Connector
FA1
A53
Junction Connector
Y
(*12)
F1
F2
A1

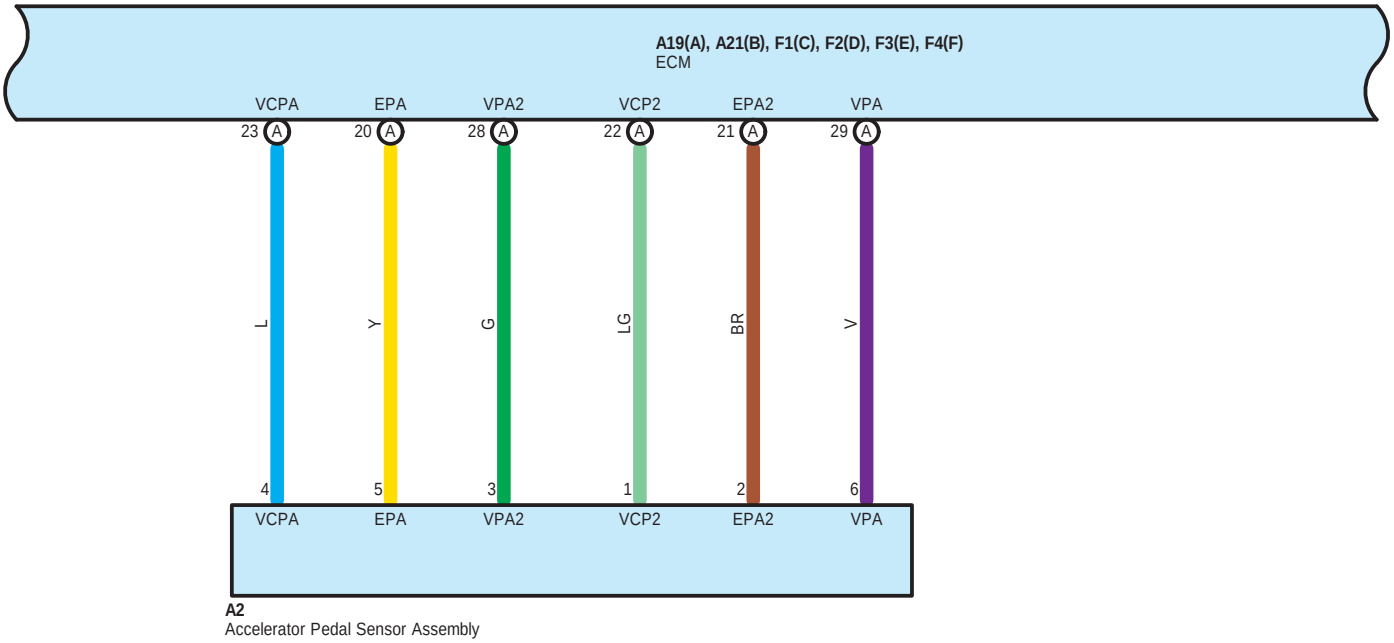


F24
Throttle Body Assembly with Motor

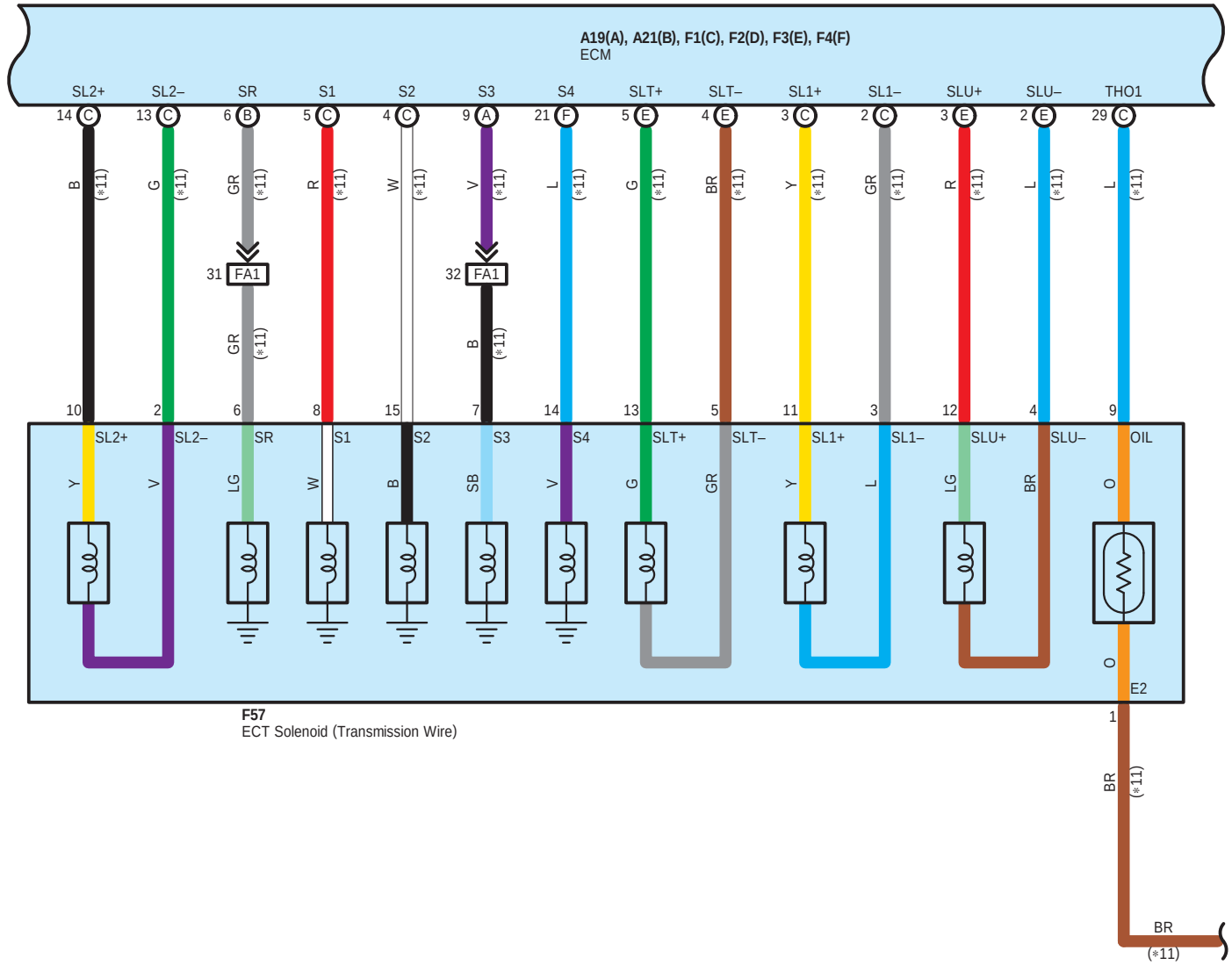
∗ 1 : 2GR–FSE
∗ 2 : 4GR–FSE
∗12 : 8–Speed A/T

Y
(∗12)

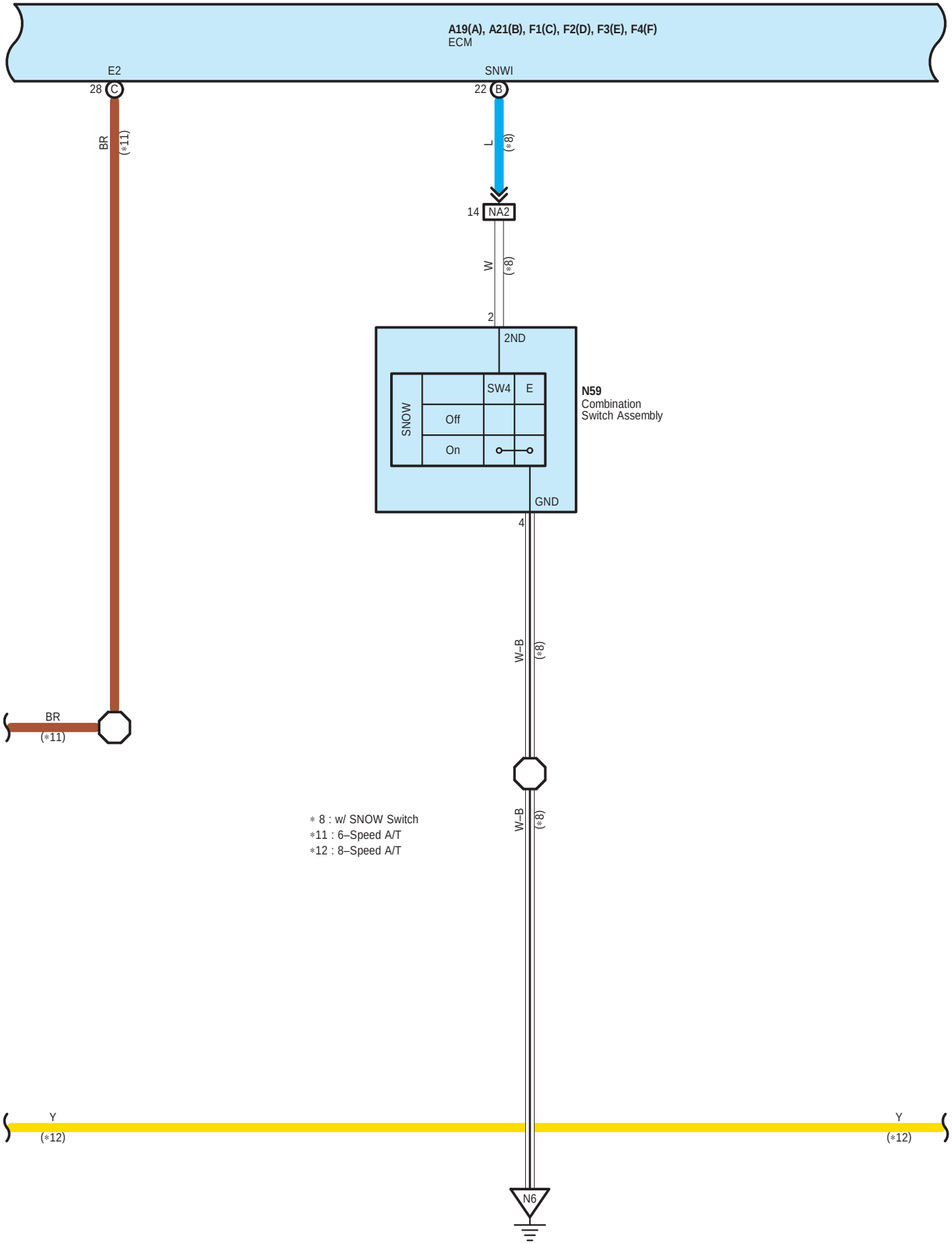
Y
(∗12)

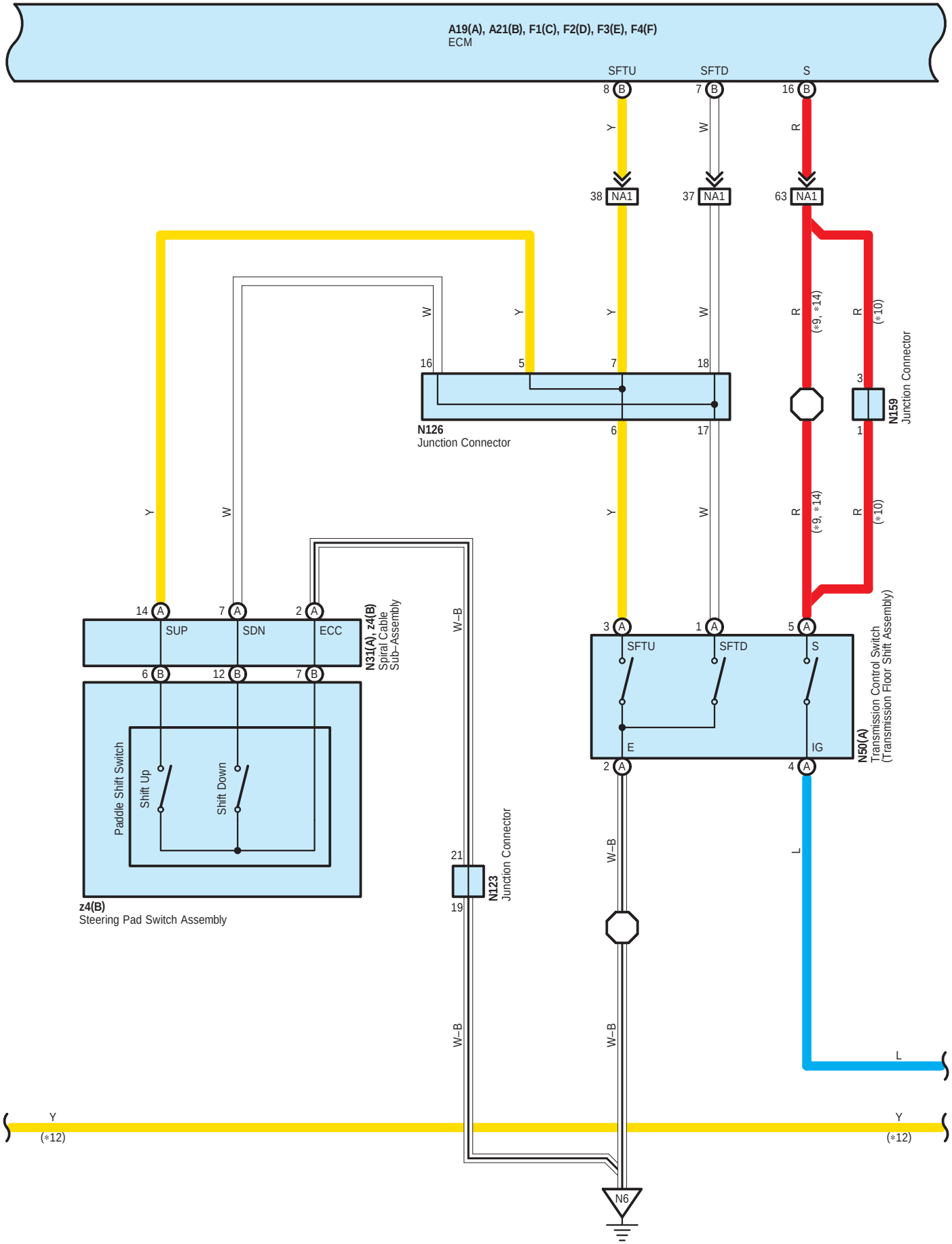

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
VCPA
EPA
VPA2
VCP2
EPA2
VPA
23 A
20 A
28 A
22 A
21 A
29 A
L
Y
G
LG
BR
V
4
5
3
1
2
6
VCPA
EPA
VPA2
VCP2
EPA2
VPA
A2
Accelerator Pedal Sensor Assembly

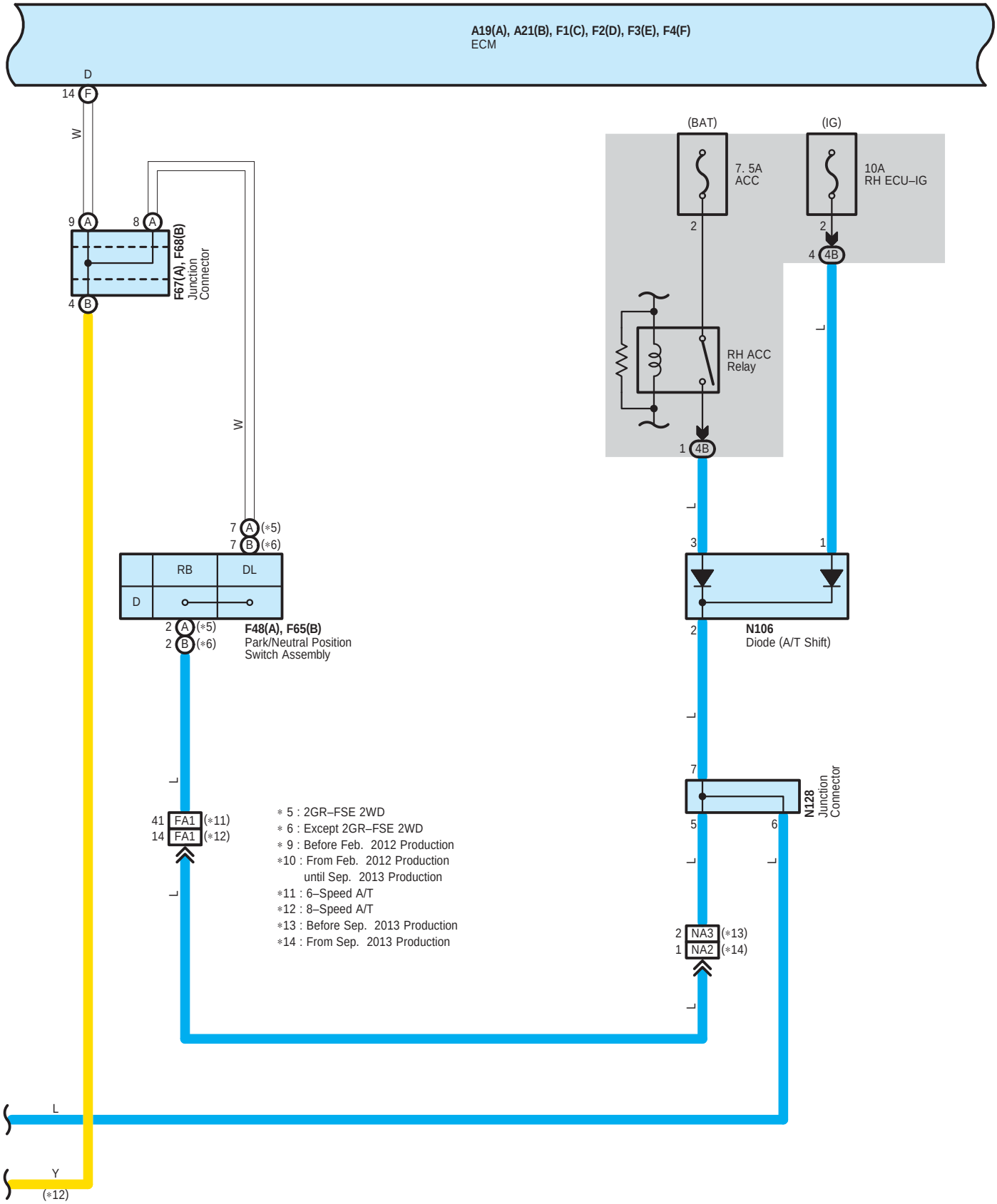
Y
(*12)
Y
(*12)


A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
SL2+
SL2–
SR
S1
S2
S3
S4
SLT+
SLT–
SL1+
SL1–
SLU+
SLU–
THO1
FA1
OIL
E2
F57
ECT Solenoid (Transmission Wire)
(*11)

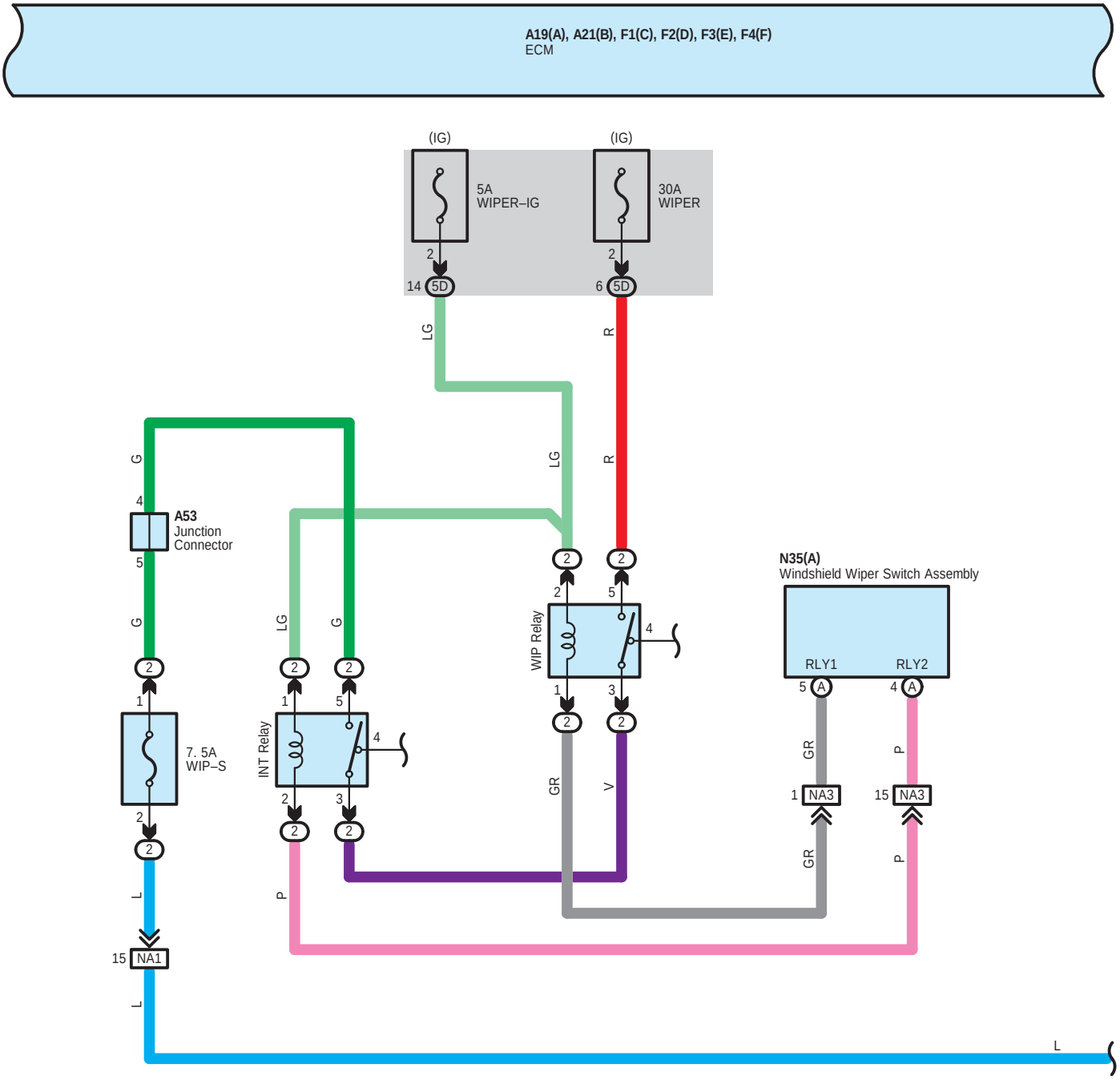
Y
(*12)

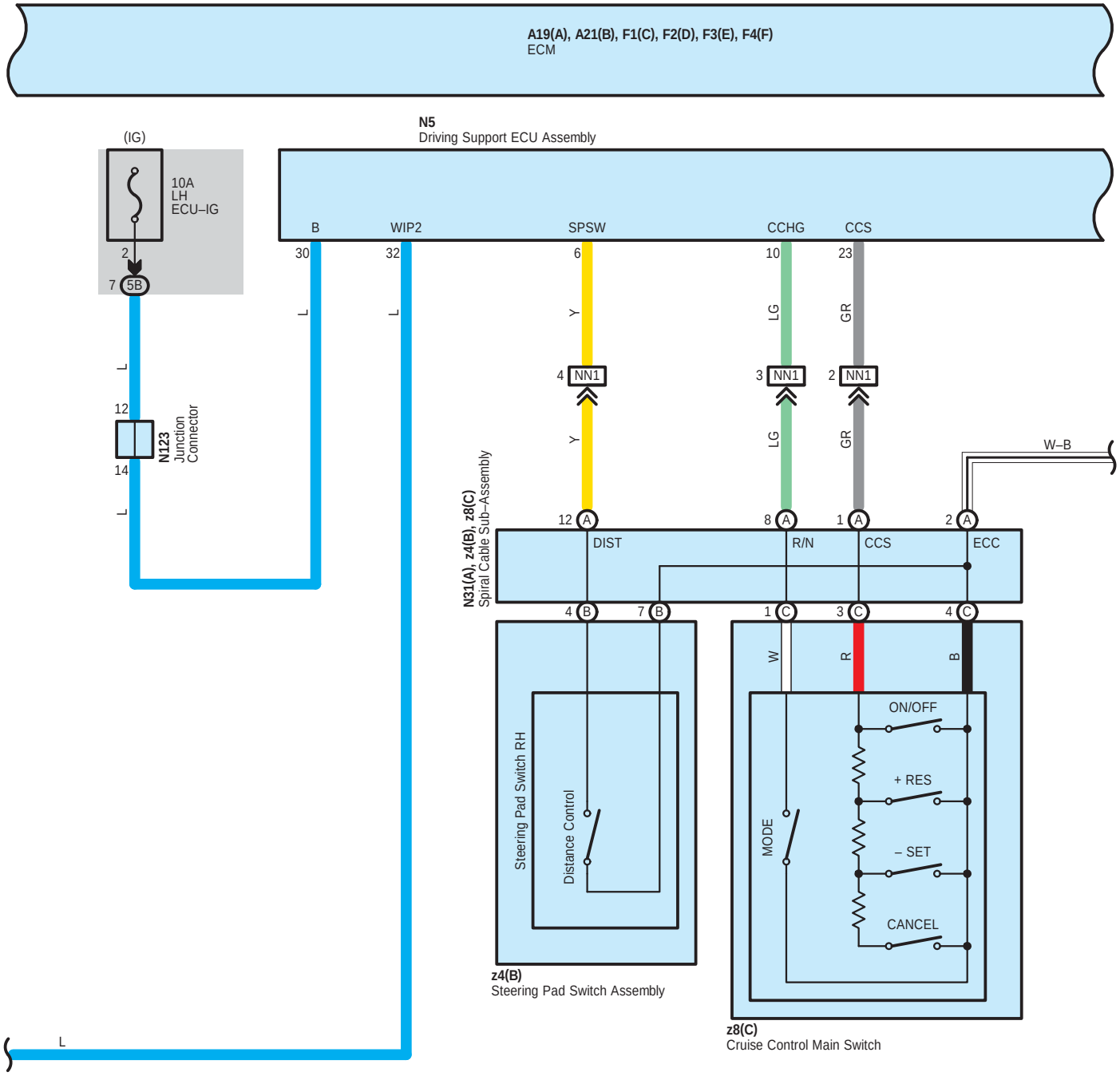

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
E2
28 C
SNWI
22 B
BR
(*11)
L
(*8)
14 NA2
W
(*8)
2
2ND
SW4
E
SNOW
Off
On
N59
Combination
Switch Assembly
GND
4
W–B
(*8)
BR
(*11)
W–B
(*8)
* 8 : w/ SNOW Switch
*11 : 6–Speed A/T
*12 : 8–Speed A/T
Y
(*12)
Y
(*12)
N6

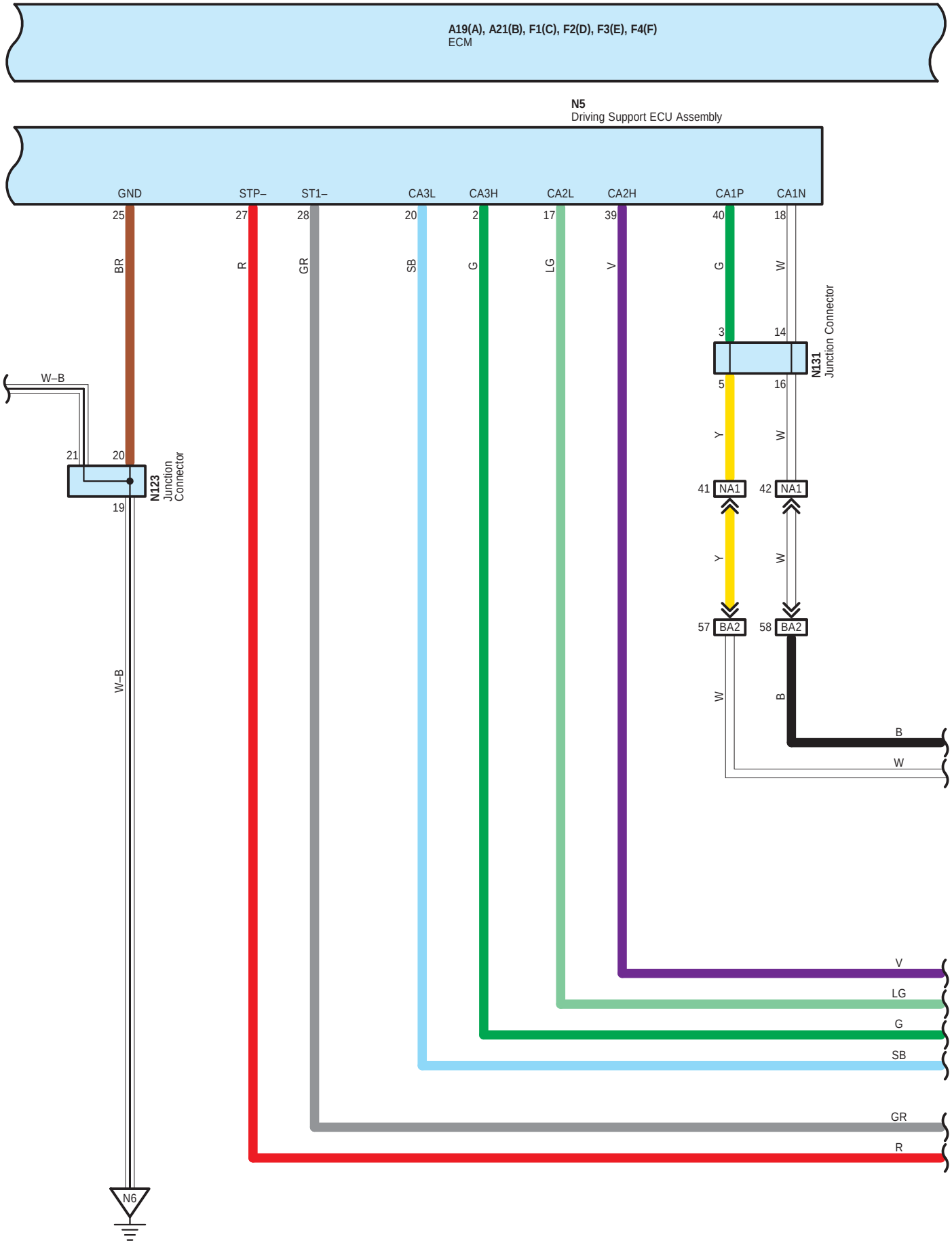

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
SFTU
SFTD
S
8 B
7 B
16 B
Y
W
R
38 NA1
37 NA1
63 NA1
W
Y
Y
W
R
(*9, *14)
R
(*10)
16
5
7
18
3
N126
Junction Connector
6
17
1
N159
Junction Connector
Y
W
Y
W
R
(*9, *14)
R
(*10)
14 A
7 A
2 A
SUP
SDN
ECC
N31(A), z4(B)
Spiral Cable
Sub-Assembly
W-B
3 A
1 A
5 A
SFTU
SFTD
S
E
IG
N50(A)
Transmission Control Switch
(Transmission Floor Shift Assembly)
6 B
12 B
7 B
Paddle Shift Switch
Shift Up
Shift Down
z4(B)
Steering Pad Switch Assembly
2 A
4 A
W-B
L
21
19
N123
Junction Connector
W-B
W-B
L
Y
(*12)
Y
(*12)
N6

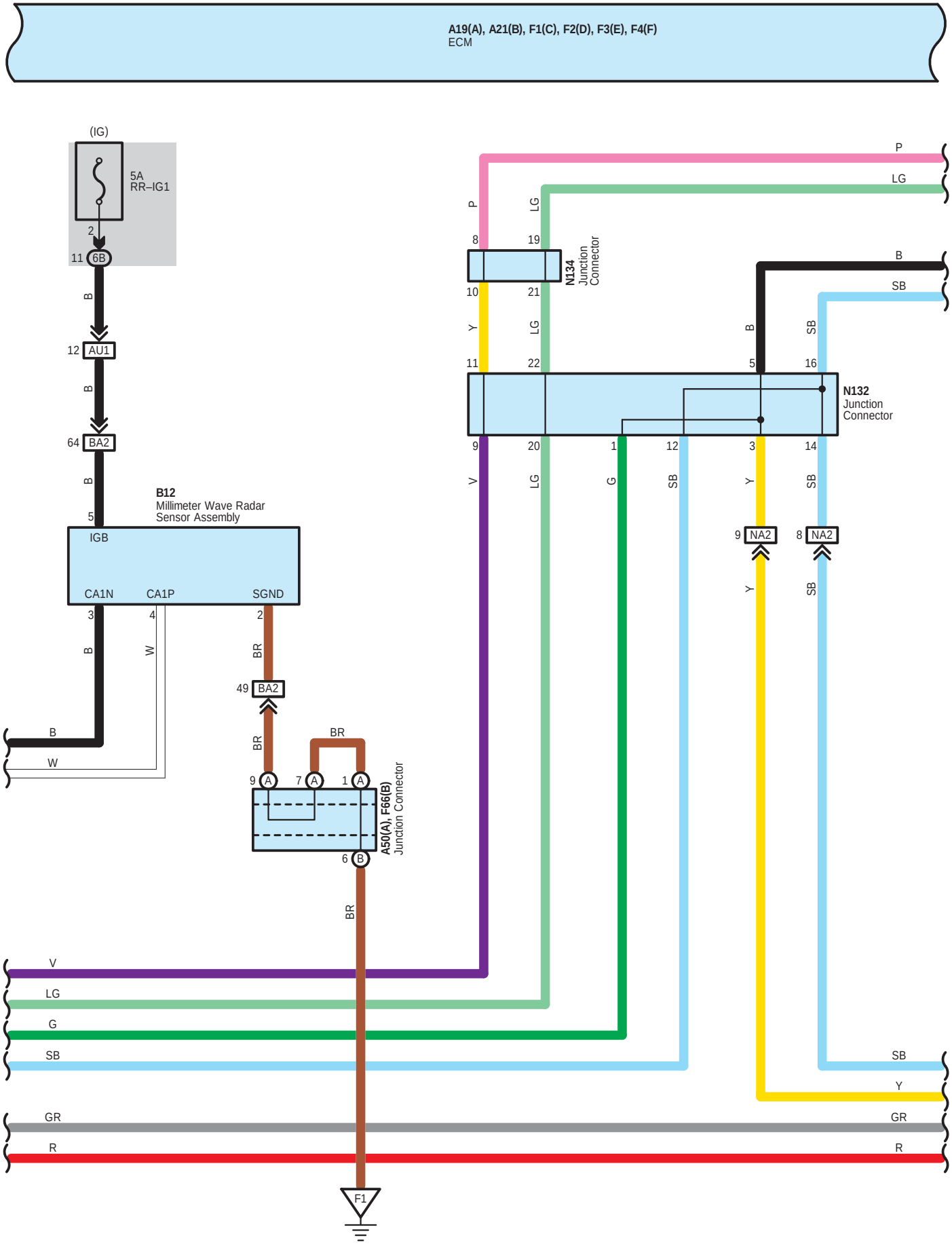


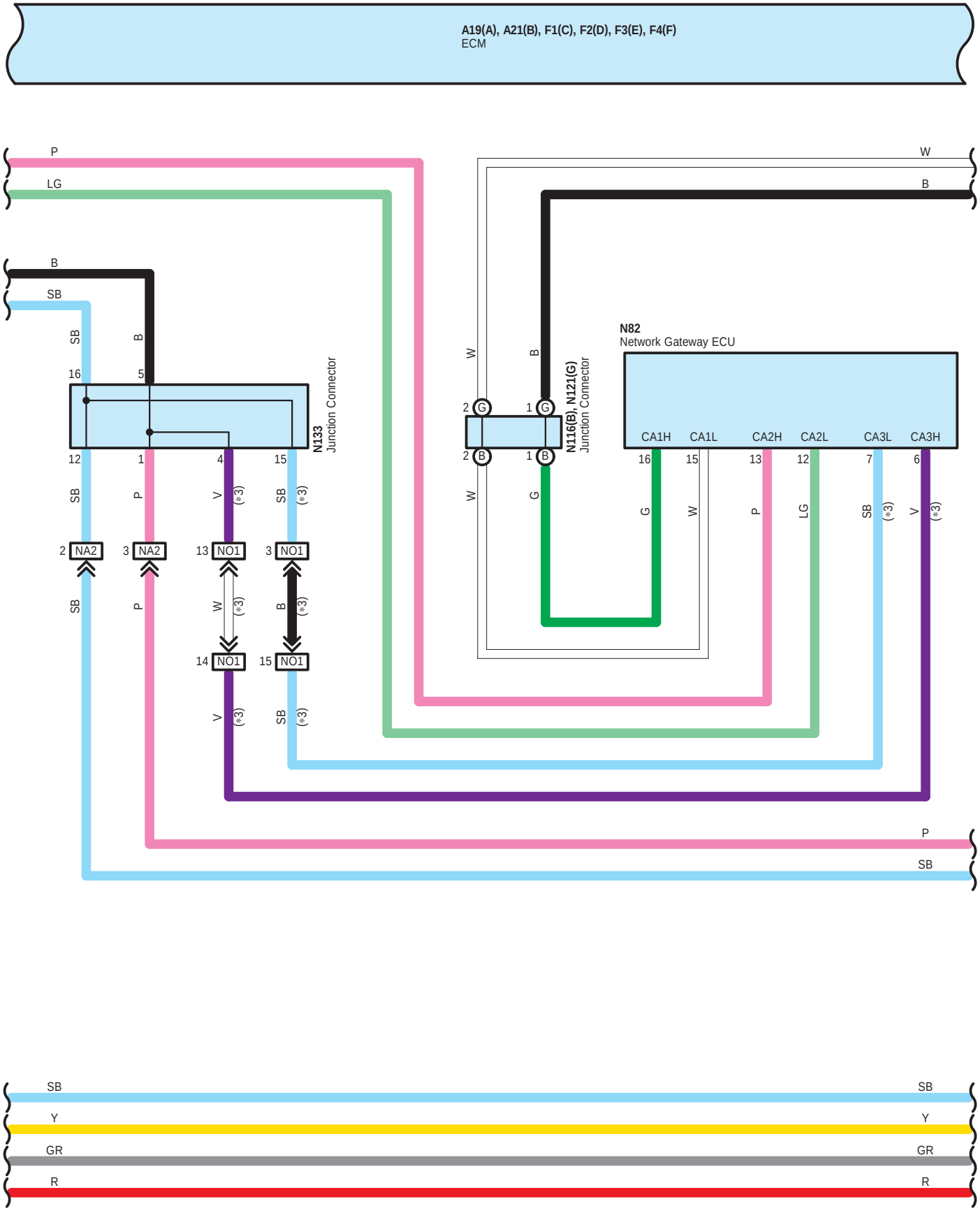
* 5 : 2GR–FSE 2WD
* 6 : Except 2GR–FSE 2WD
* 9 : Before Feb. 2012 Production
*10 : From Feb. 2012 Production until Sep. 2013 Production
*11 : 6–Speed A/T
*12 : 8–Speed A/T
*13 : Before Sep. 2013 Production
*14 : From Sep. 2013 Production

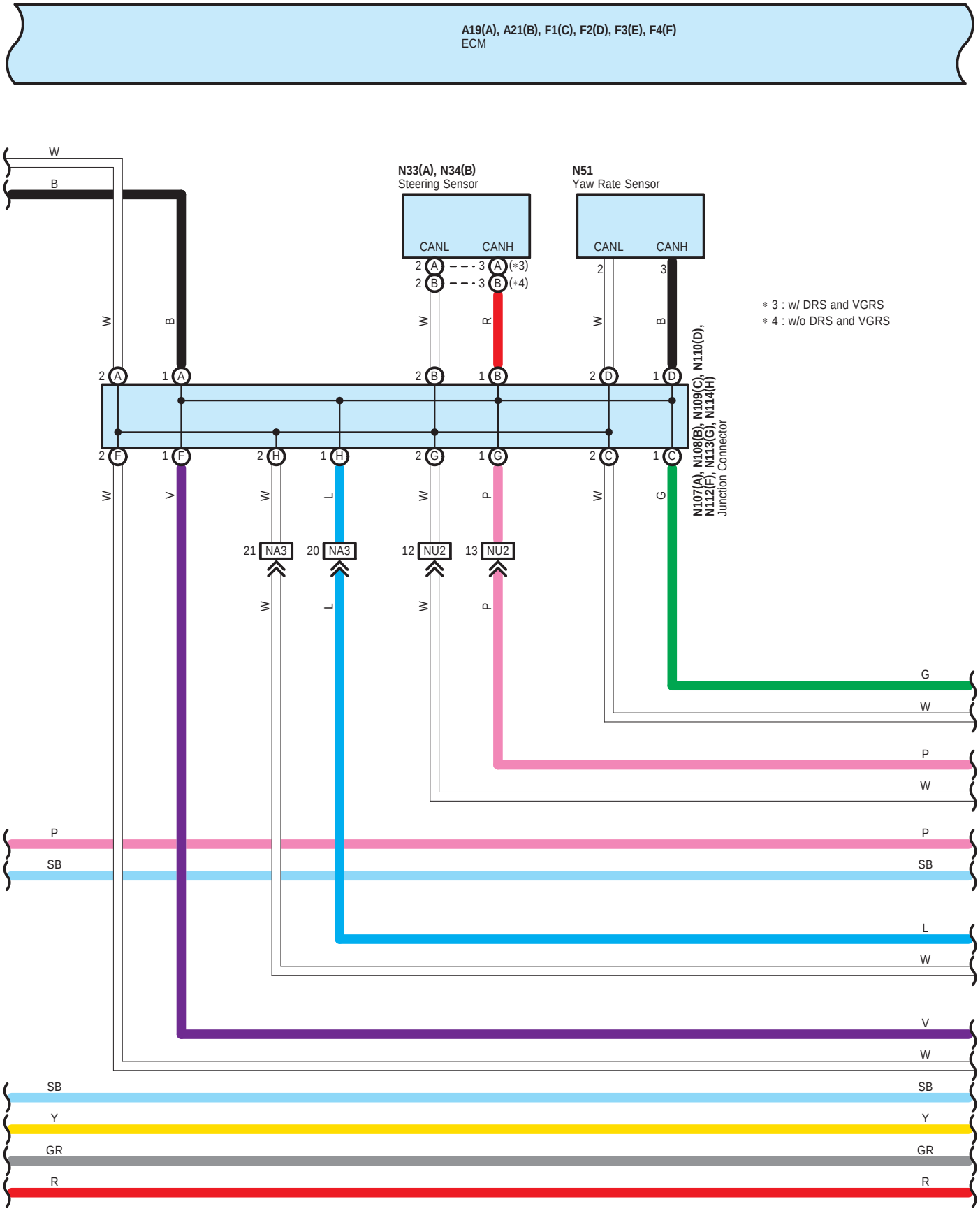

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
(IG)
5A
WIPER–IG
(IG)
30A
WIPER
14 5D
6 5D
LG
R
A53
Junction
Connector
7. 5A
WIP–S
INT Relay
WIP Relay
N35(A)
Windshield Wiper Switch Assembly
RLY1
RLY2
NA1
NA3
NA3
GR
V
P
L

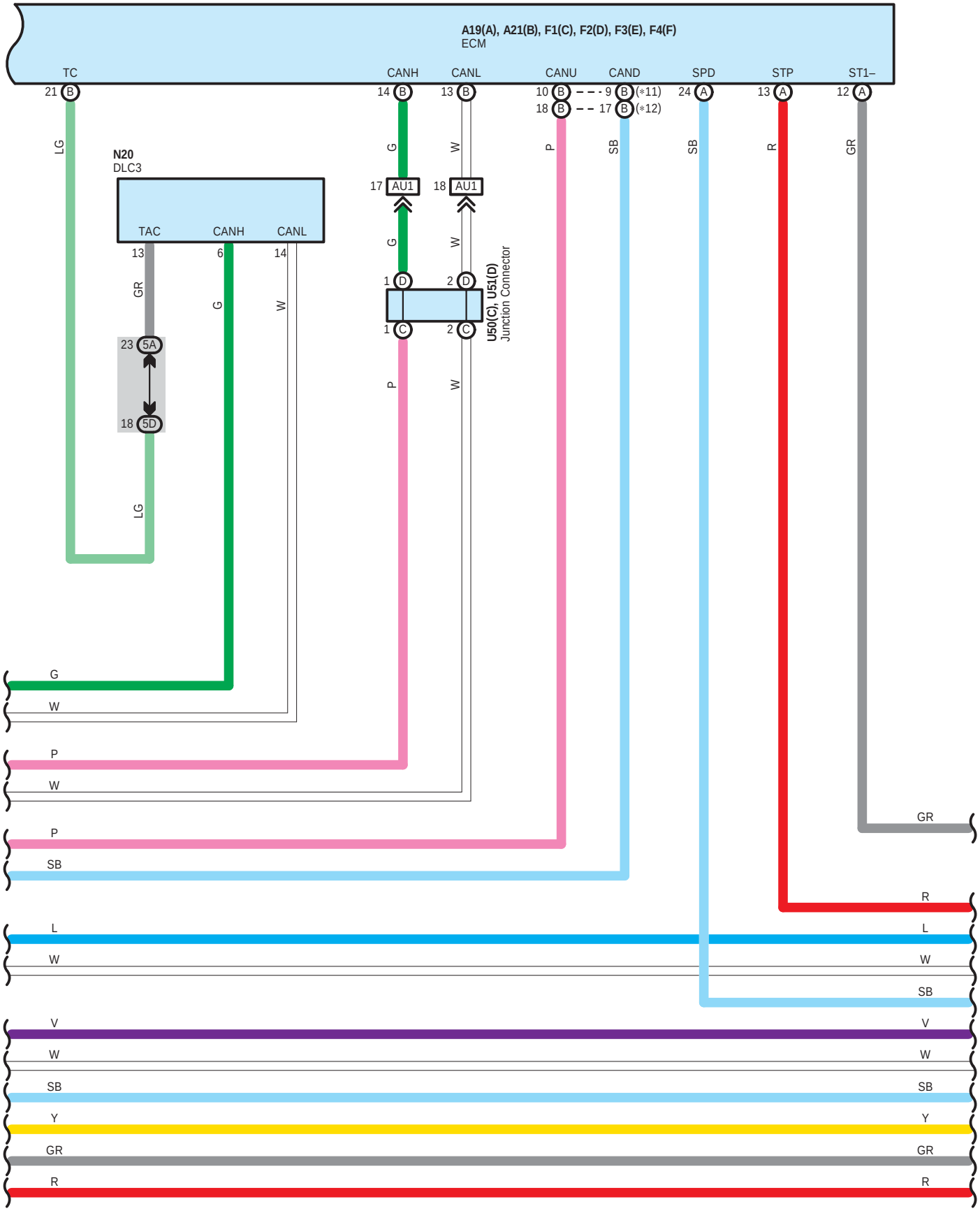

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
N5
Driving Support ECU Assembly
(IG)
10A
LH
ECU–IG
2
7
5B
B
WIP2
SPSW
CCHG
CCS
30
32
6
10
23
L
Y
LG
GR
4
NN1
3
NN1
2
NN1
12
14
N123
Junction
Connector
W–B
N31(A), z4(B), z8(C)
Spiral Cable Sub–Assembly
12
A
8
A
1
A
2
A
DIST
R/N
CCS
ECC
4
B
7
B
1
C
3
C
4
C
W
R
B
Steering Pad Switch RH
Distance Control
z4(B)
Steering Pad Switch Assembly
MODE
ON/OFF
+ RES
– SET
CANCEL
z8(C)
Cruise Control Main Switch

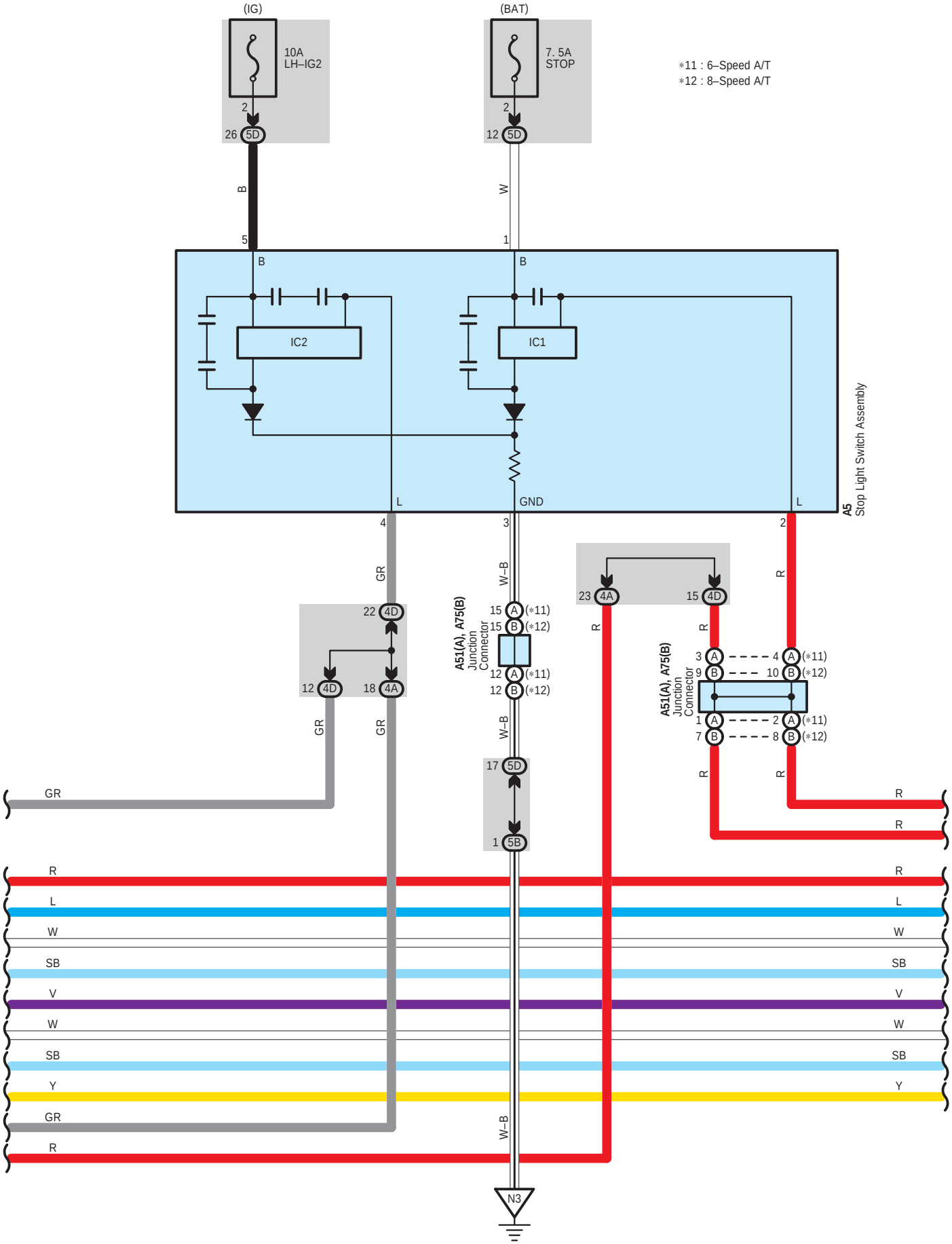

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
N5
Driving Support ECU Assembly
GND
STP–
ST1–
CA3L
CA3H
CA2L
CA2H
CA1P
CA1N
25
27
28
20
2
17
39
40
18
BR
R
GR
SB
G
LG
V
G
W
3
14
N131
Junction Connector
5
16
Y
W
W–B
21
20
N123
Junction Connector
19
41
NA1
42
NA1
Y
W
57
BA2
58
BA2
W
B
W–B
B
W
V
LG
G
SB
GR
R
N6

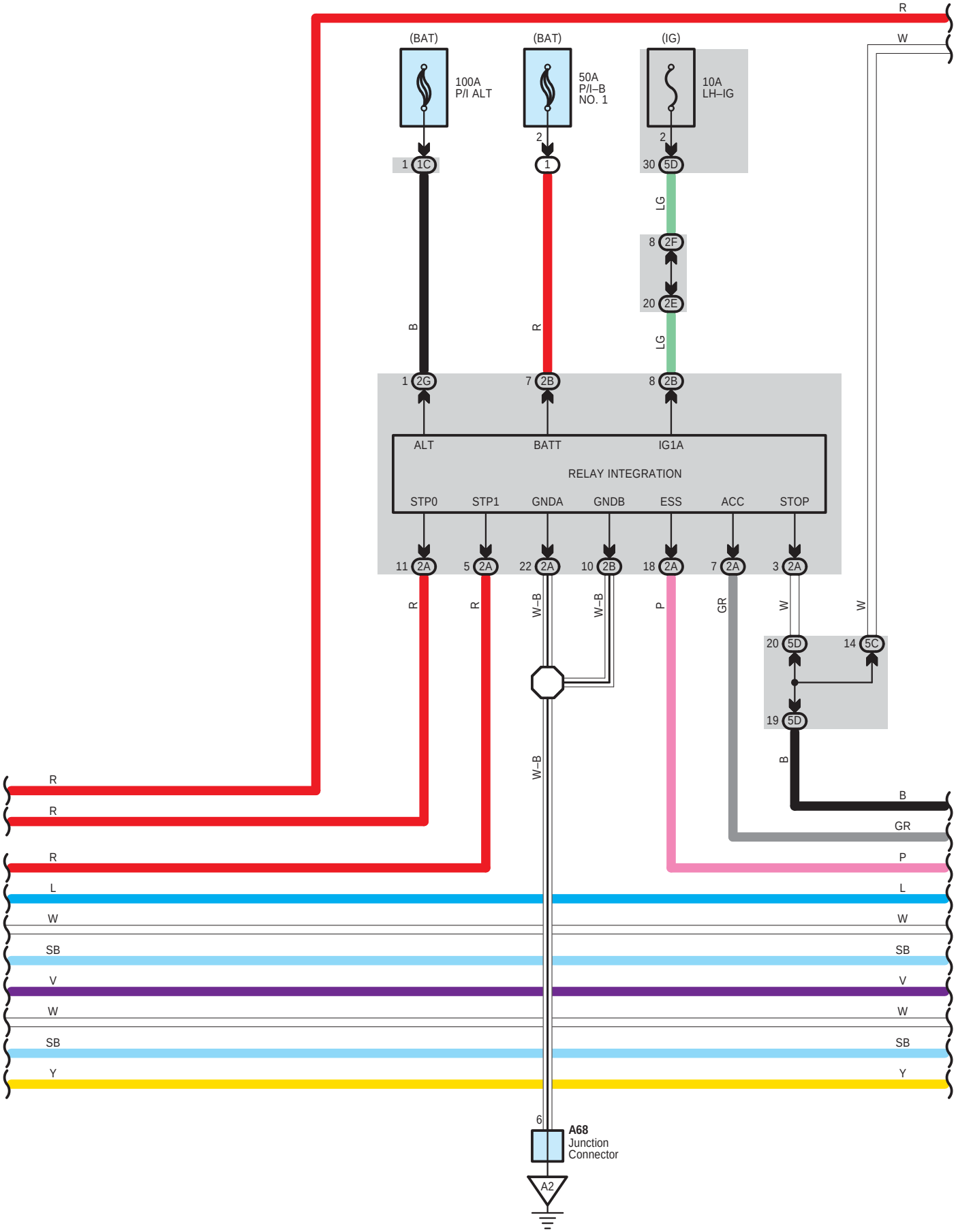

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
(IG)
5A
RR–IG1
2
11 6B
B
12 AU1
B
64 BA2
B
5
B12
Millimeter Wave Radar
Sensor Assembly
IGB
CA1N
CA1P
SGND
3
4
2
B
W
BR
49 BA2
BR
BR
9 A
7 A
1 A
6 B
A50(A), F66(B)
Junction Connector
BR
B
W
V
LG
G
SB
GR
R
F1
P
LG
8
19
10
21
N134
Junction
Connector
Y
LG
11
22
9
20
1
12
V
LG
G
SB
B
SB
5
16
N132
Junction
Connector
3
14
Y
SB
9 NA2
8 NA2
Y
SB
P
LG
B
SB
SB
Y
GR
R

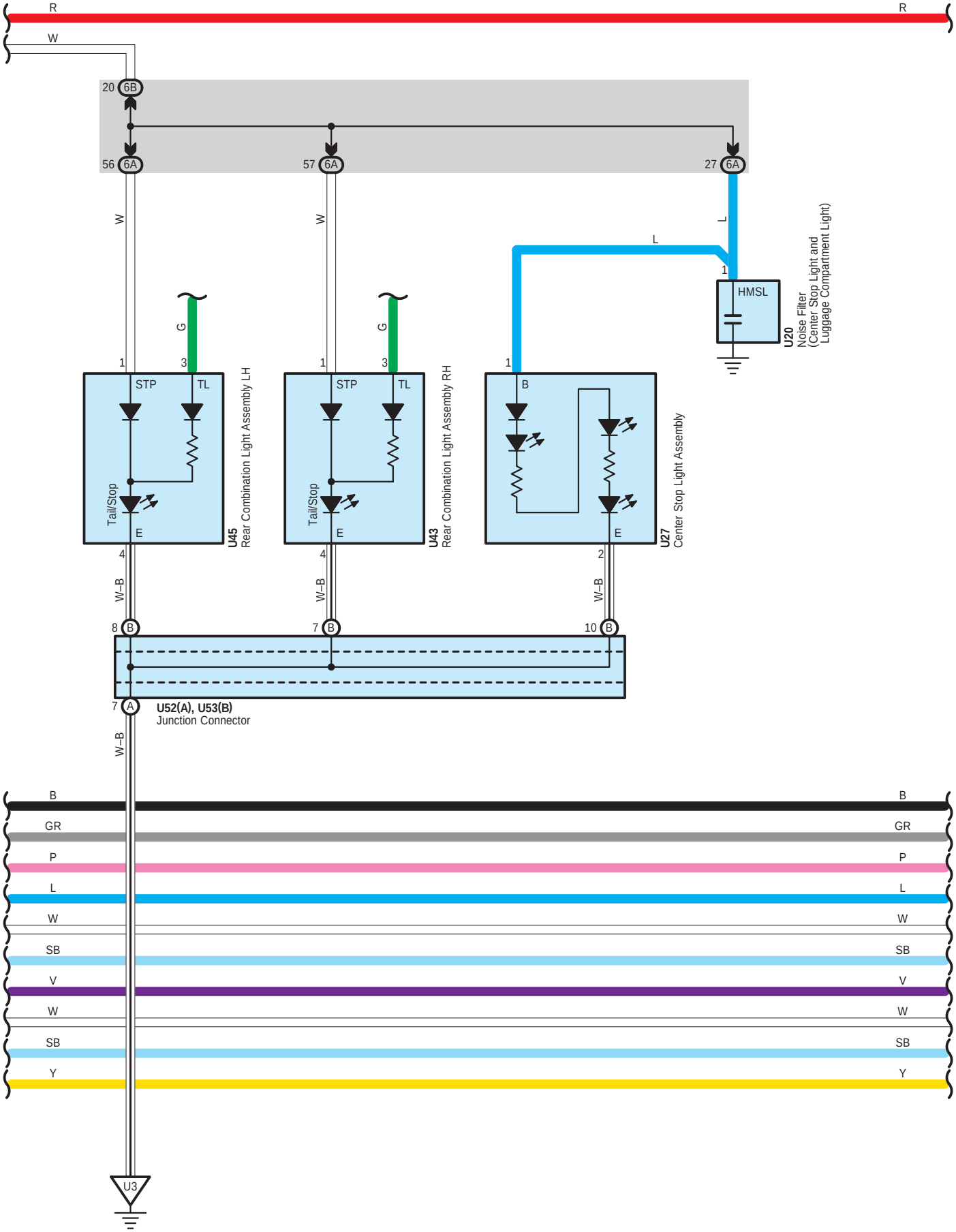

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
N133
Junction Connector
N116(B), N121(G)
Junction Connector
N82
Network Gateway ECU
CA1H
CA1L
CA2H
CA2L
CA3L
CA3H
NA2
NO1
(*3)

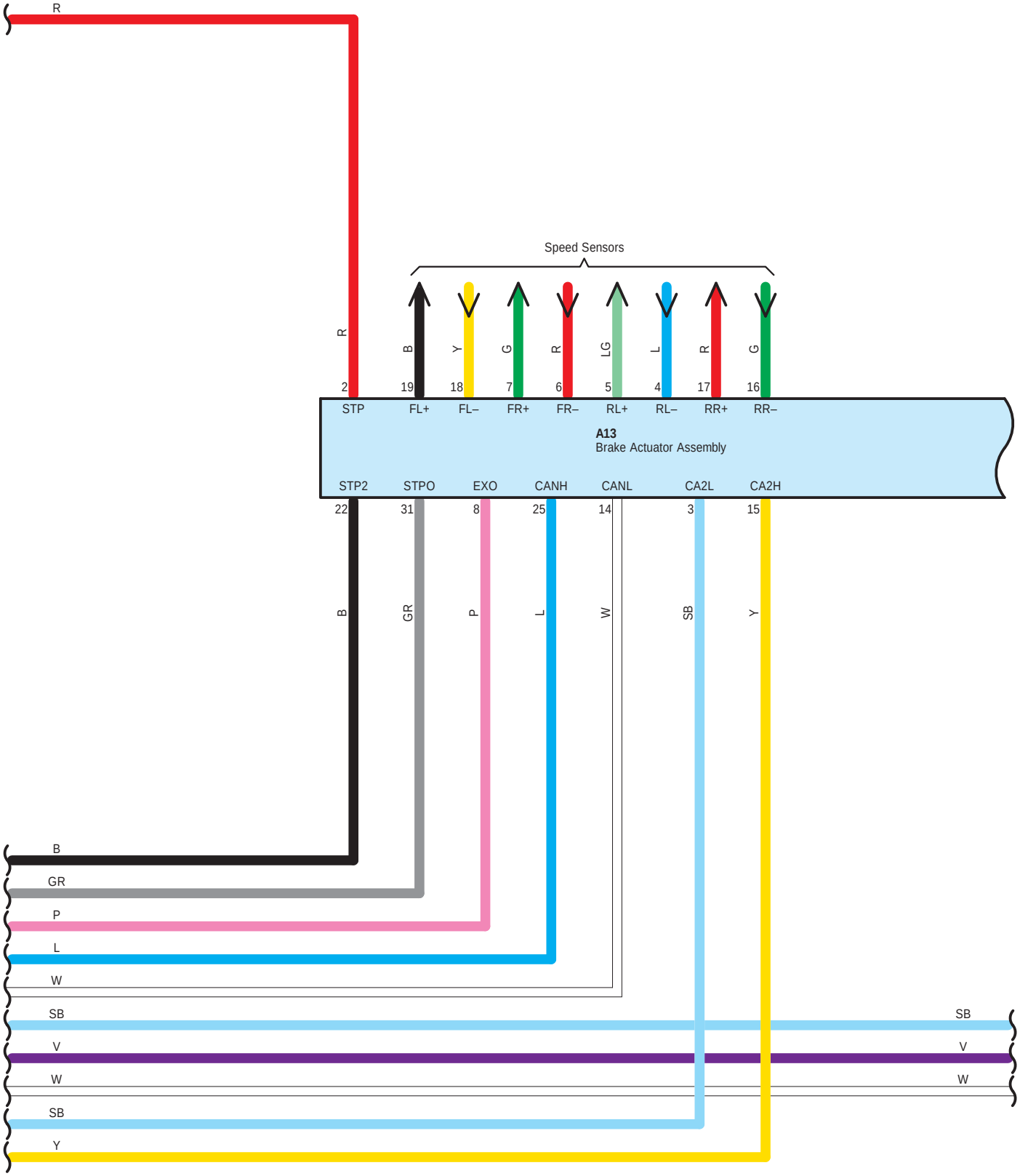

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
N33(A), N34(B)
Steering Sensor
N51
Yaw Rate Sensor
CANL
CANH
CANL
CANH
(*3)
(*4)
* 3 : w/ DRS and VGRS
* 4 : w/o DRS and VGRS
N107(A), N108(B), N109(C), N110(D),
N112(F), N113(G), N114(H)
Junction Connector
NA3
NA3
NU2
NU2
W
B
W
B
W
R
W
B
W
V
W
L
W
P
W
G
P
SB
Y
GR
R

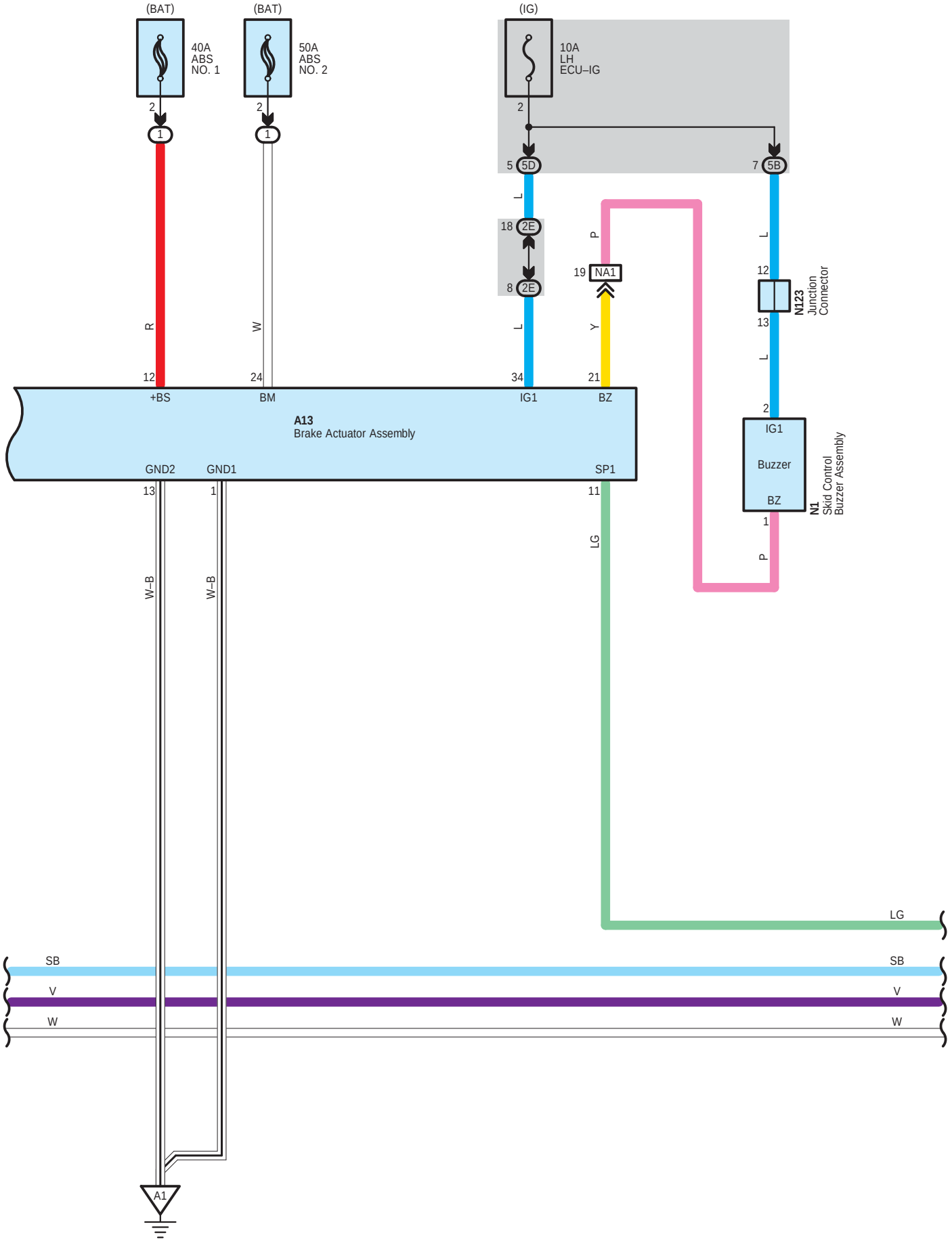

A19(A), A21(B), F1(C), F2(D), F3(E), F4(F)
ECM
TC
CANH
CANL
CANU
CAND
SPD
STP
ST1–
21 B
14 B
13 B
10 B
9 B (*11)
18 B
17 B (*12)
24 A
13 A
12 A
LG
G
W
P
SB
R
GR
N20
DLC3
TAC
CANH
CANL
13
6
14
23 5A
18 5D
17 AU1
18 AU1
1 D
2 D
1 C
2 C
U50(C), U51(D)
Junction Connector
L
V
Y

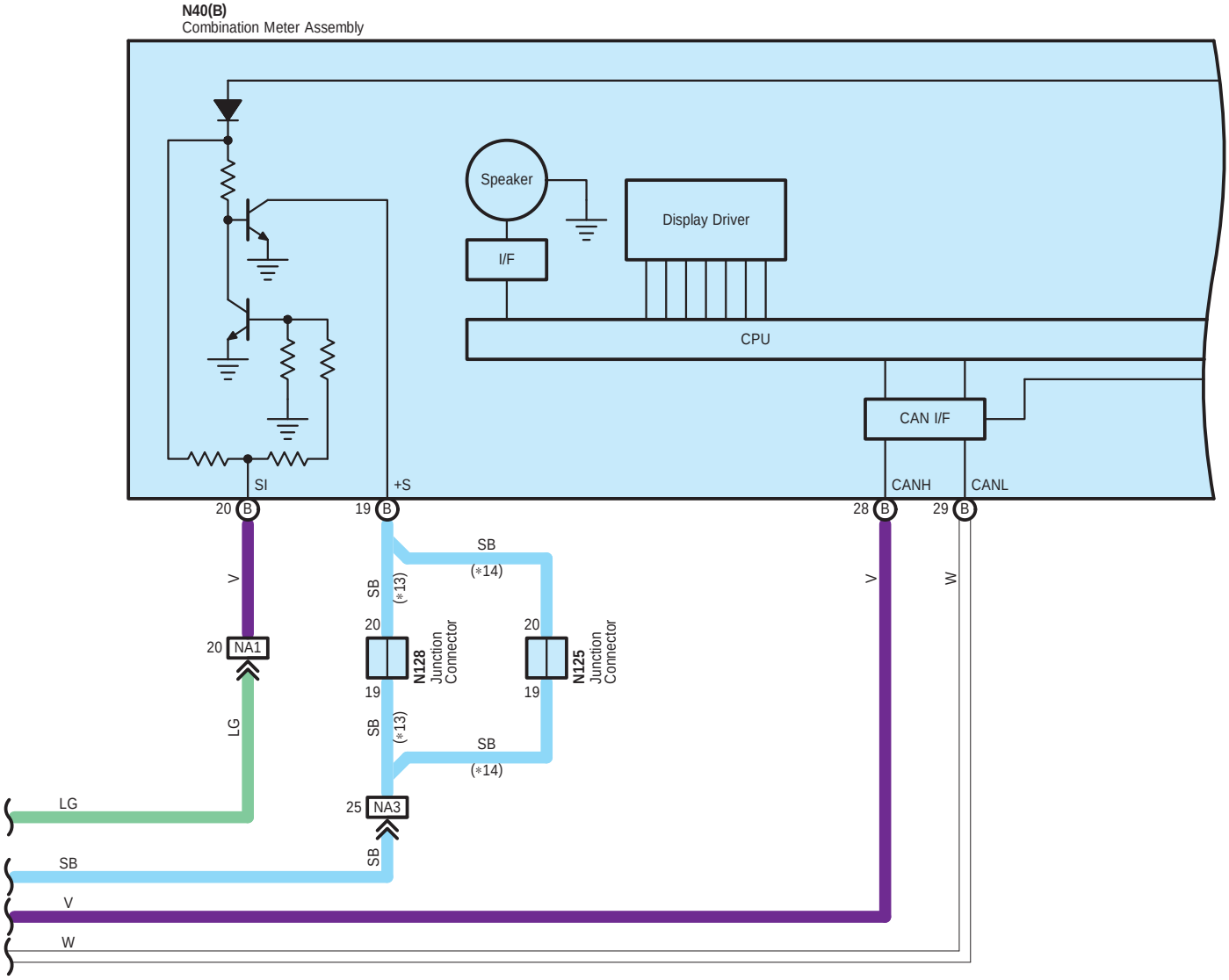

(IG)
10A
LH–IG2
(BAT)
7. 5A
STOP
∗11 : 6–Speed A/T
∗12 : 8–Speed A/T
IC2
IC1
GND
A5
Stop Light Switch Assembly
A51(A), A75(B)
Junction
Connector
N3

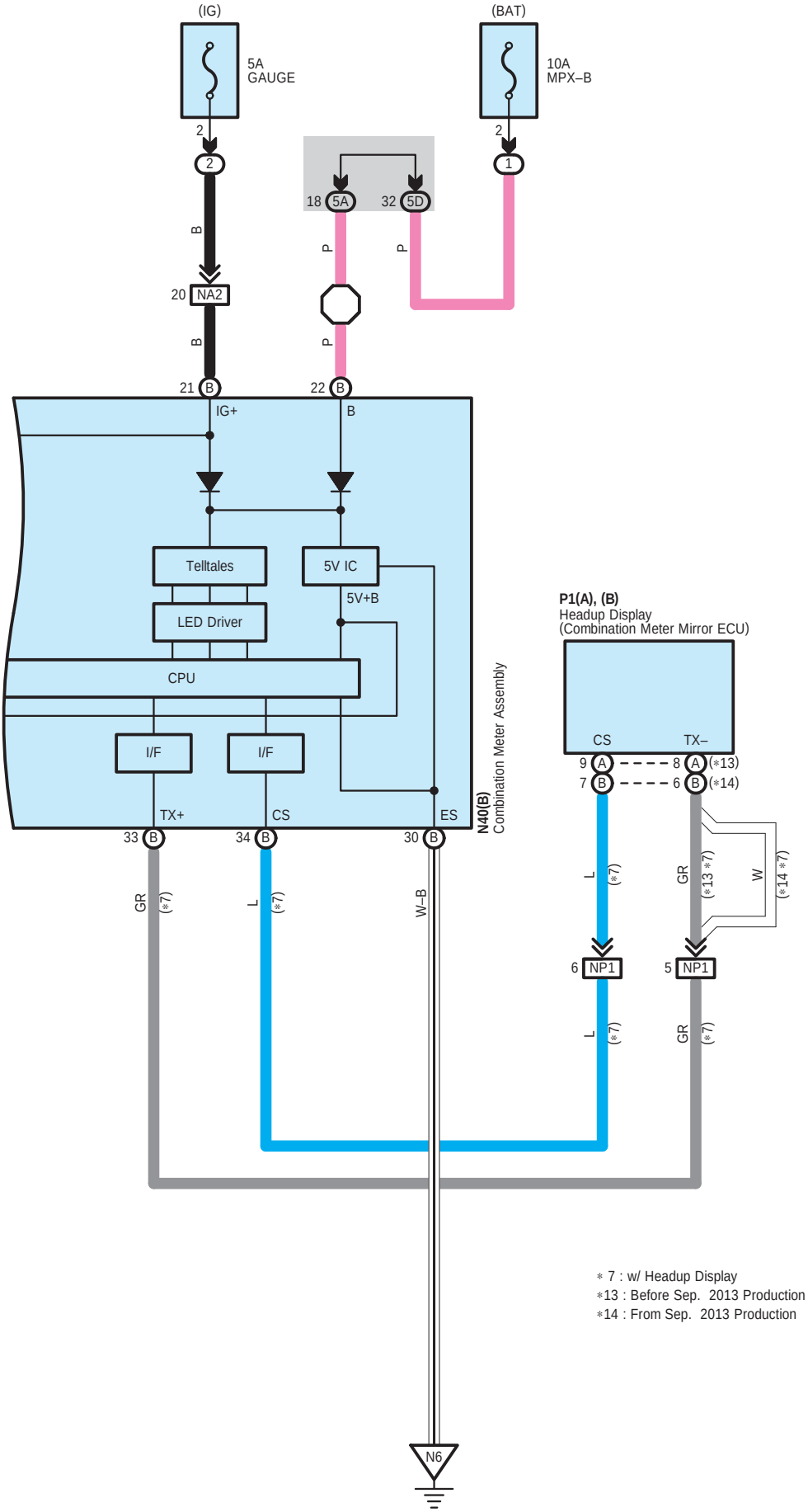

(BAT)
100A
P/I ALT
(BAT)
50A
P/I–B
NO. 1
(IG)
10A
LH–IG
1 1C
2 1
2 30 5D
LG
8 2F
20 2E
LG
B
R
1 2G
7 2B
8 2B
ALT
BATT
IG1A
RELAY INTEGRATION
STP0
STP1
GNDA
GNDB
ESS
ACC
STOP
11 2A
5 2A
22 2A
10 2B
18 2A
7 2A
3 2A
R
R
W–B
W–B
P
GR
W
W
20 5D
14 5C
19 5D
B
W–B
R
R
R
L
W
SB
V
W
SB
Y
B
GR
P
L
W
SB
V
W
SB
Y
6
A68
Junction
Connector
A2


R
R
W
20 6B
56 6A
57 6A
27 6A
W
W
L
L
1
HMSL
U20
Noise Filter
(Center Stop Light and
Luggage Compartment Light)
G
G
1
3
STP
TL
Tail/Stop
E
U45
Rear Combination Light Assembly LH
1
3
STP
TL
Tail/Stop
E
U43
Rear Combination Light Assembly RH
1
B
E
U27
Center Stop Light Assembly
4
W–B
8 B
4
W–B
7 B
2
W–B
10 B
7 A
U52(A), U53(B)
Junction Connector
W–B
B
GR
P
L
W
SB
V
W
SB
Y
B
GR
P
L
W
SB
V
W
SB
Y
U3


R
Speed Sensors
R
B
Y
G
R
LG
L
R
G
2
19
18
7
6
5
4
17
16
STP
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
A13
Brake Actuator Assembly
STP2
STPO
EXO
CANH
CANL
CA2L
CA2H
22
31
8
25
14
3
15
B
GR
P
L
W
SB
Y
B
GR
P
L
W
SB
V
W
SB
Y
SB
V
W

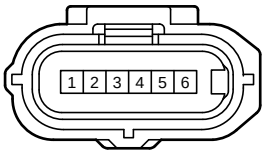

(BAT)
40A
ABS
NO. 1
(BAT)
50A
ABS
NO. 2
(IG)
10A
LH
ECU–IG
2
1
5
5D
7
5B
L
18
2E
8
2E
P
19
NA1
Y
12
N123
Junction
Connector
13
R
W
12
24
34
21
+BS
BM
IG1
BZ
A13
Brake Actuator Assembly
GND2
GND1
SP1
13
1
11
IG1
Buzzer
BZ
N1
Skid Control
Buzzer Assembly
LG
W–B
SB
V
W
A1


N40(B)
Combination Meter Assembly
Speaker
Display Driver
I/F
CPU
CAN I/F
SI
+S
CANH
CANL
20 B
19 B
28 B
29 B
V
SB
(*13)
SB
(*14)
20
N128
Junction
Connector
19
20
N125
Junction
Connector
19
20 NA1
LG
SB
(*13)
SB
(*14)
25 NA3
LG
SB
SB
V
W
V
W



∗ 7 : w/ Headup Display
∗13 : Before Sep. 2013 Production
∗14 : From Sep. 2013 Production

A 2
Black



A 5
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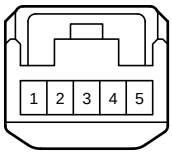
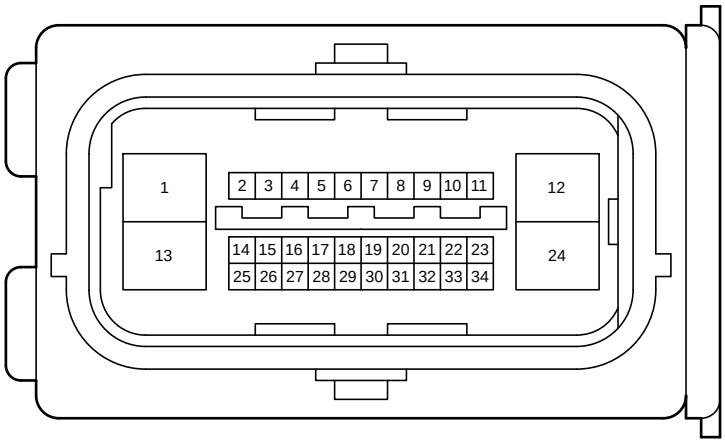


A 13
Black



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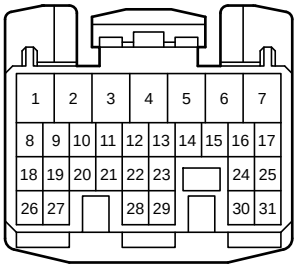

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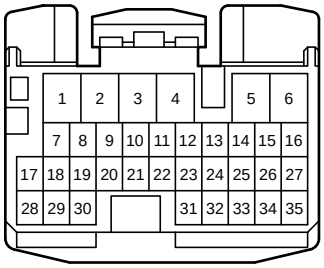

A 50
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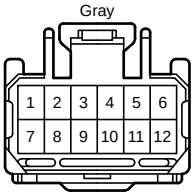

A 51
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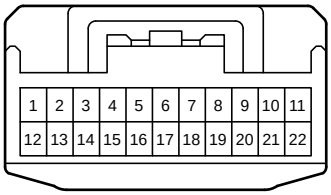
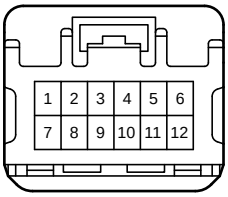
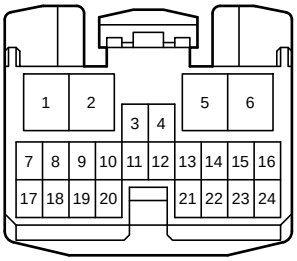


A 53
Black



A 68
Gray

A 74
Black



A 75
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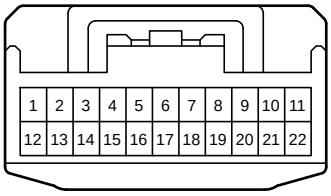

B 12
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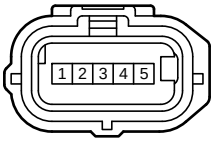

F 1
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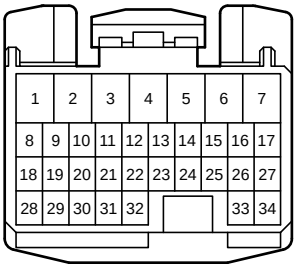

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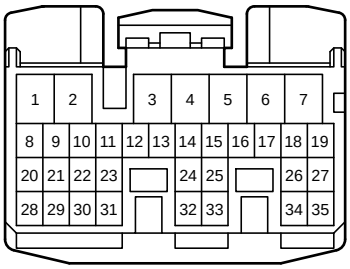

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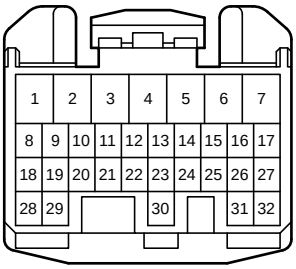

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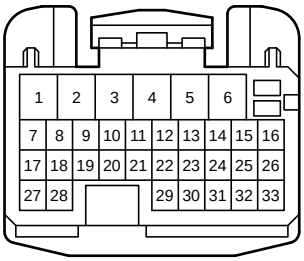

F 24
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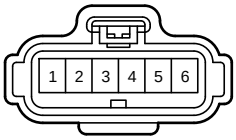

F 48
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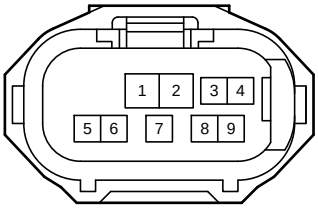

F 57
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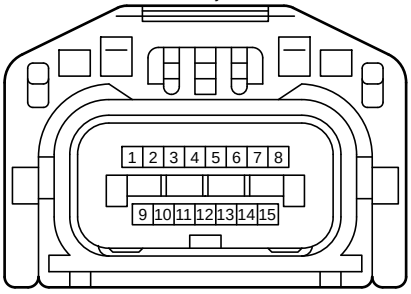

F 65
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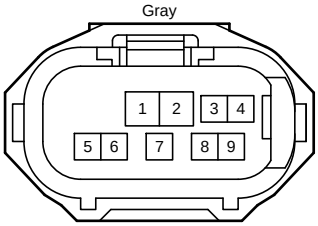

F 66
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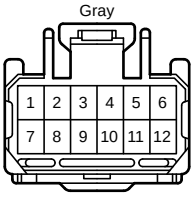

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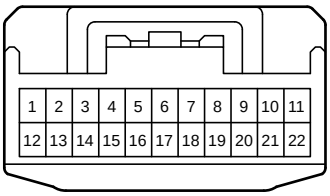

F 68
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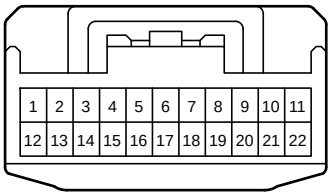

F 72
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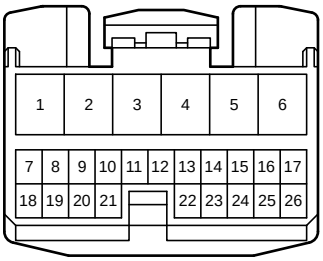
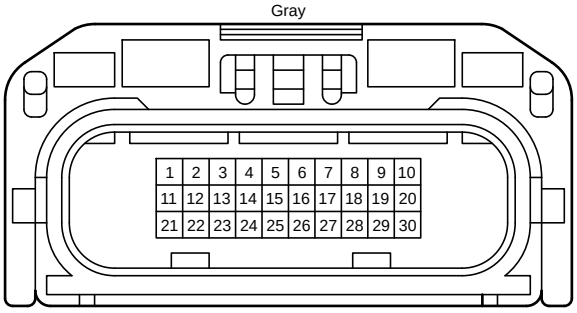
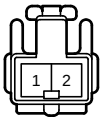


F 73
Gray



N 1
Blue



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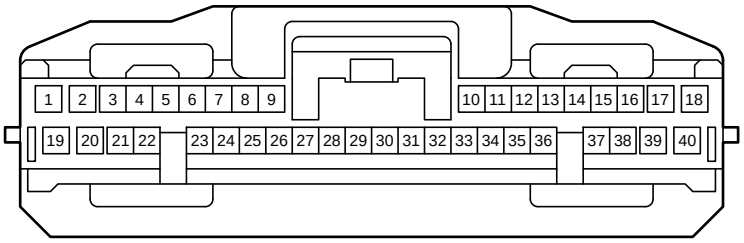

N 20
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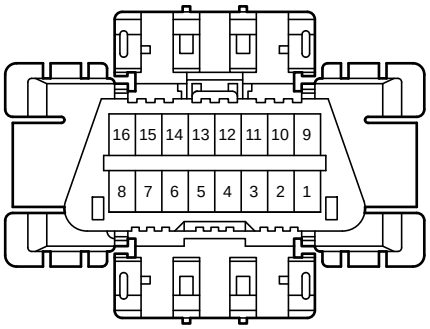
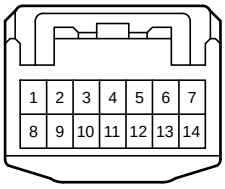


N 31
Black



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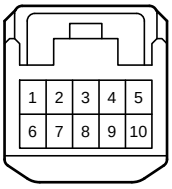

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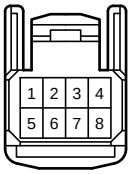

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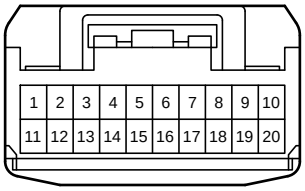

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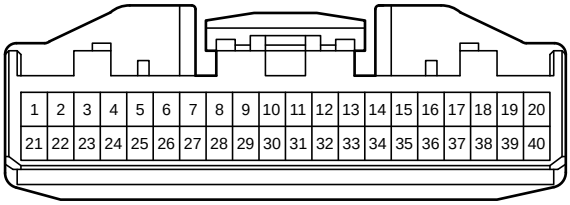

N 50
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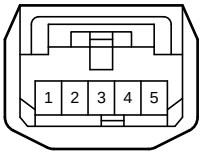

N 51
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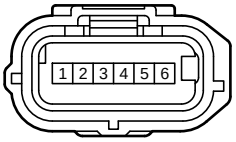

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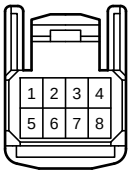

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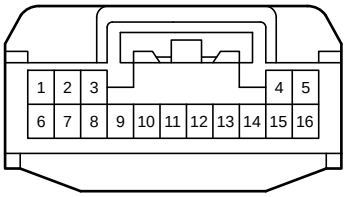

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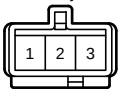

N107
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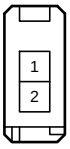

N108
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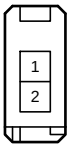

N109
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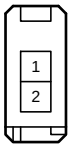

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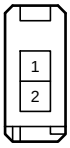

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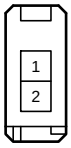

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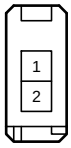

N114
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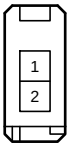

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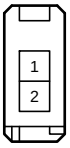

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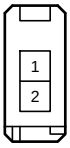

N123
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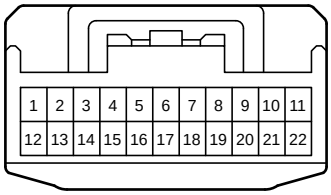

N125
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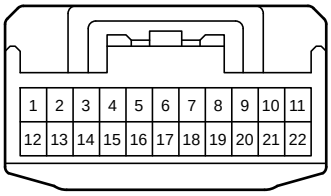

N126
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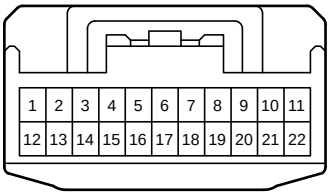
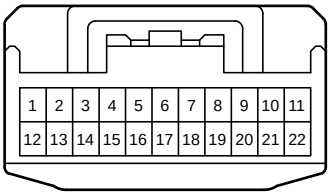


N128
Blue



N131
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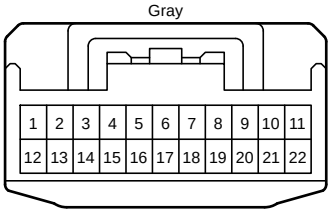

N132
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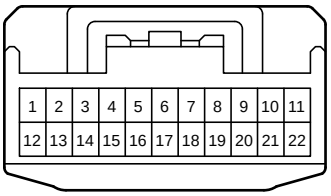

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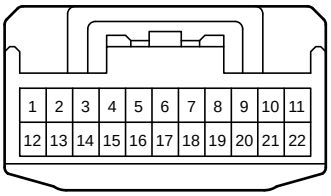

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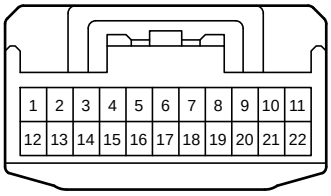

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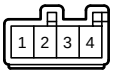

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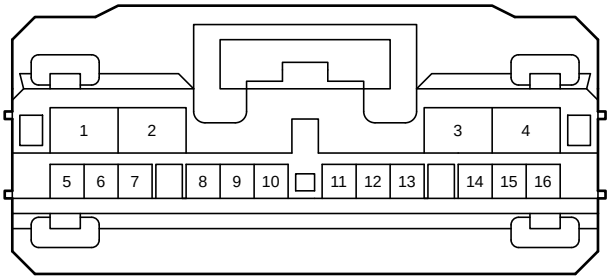

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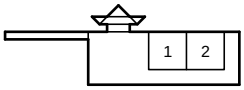

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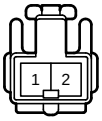

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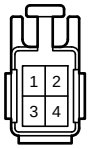

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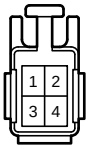

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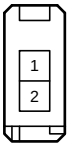

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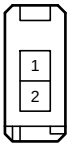

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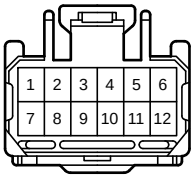

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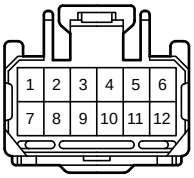

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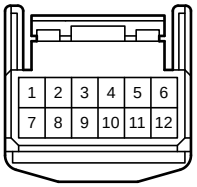

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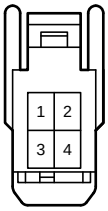

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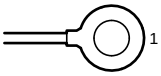

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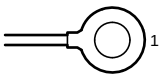

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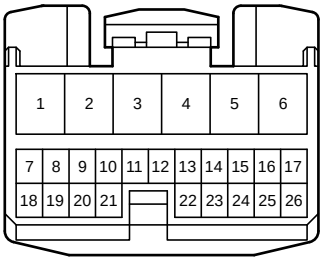

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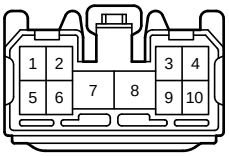

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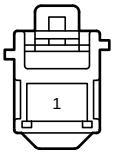

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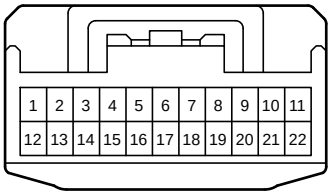

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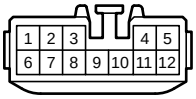

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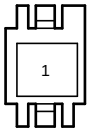

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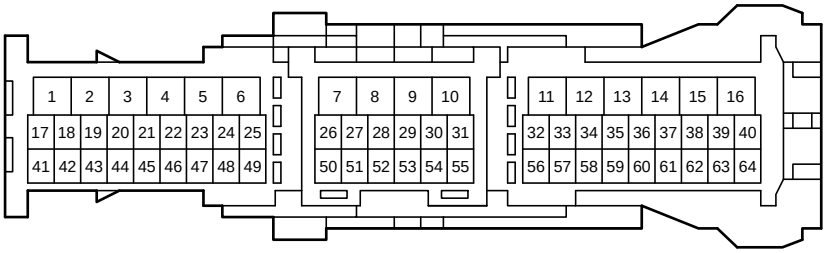

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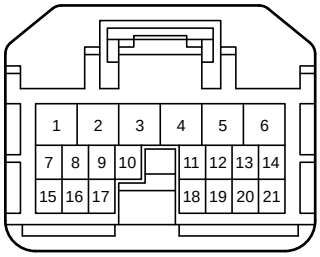

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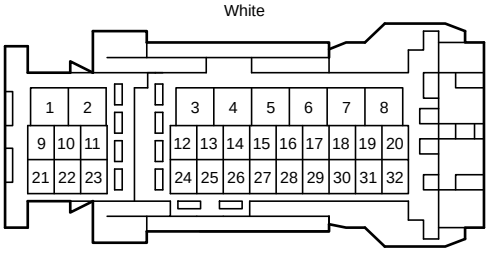

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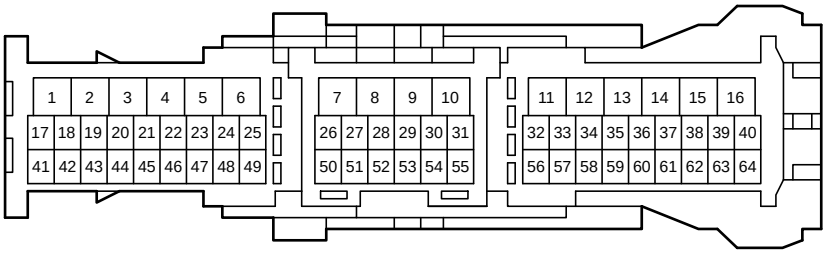

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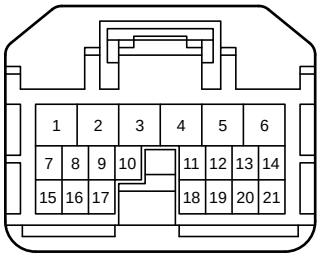

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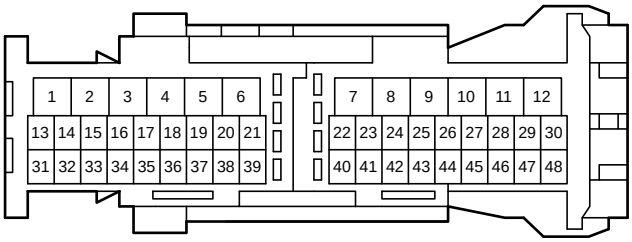

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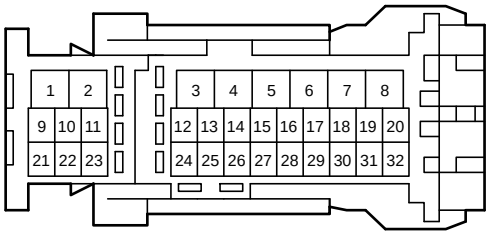

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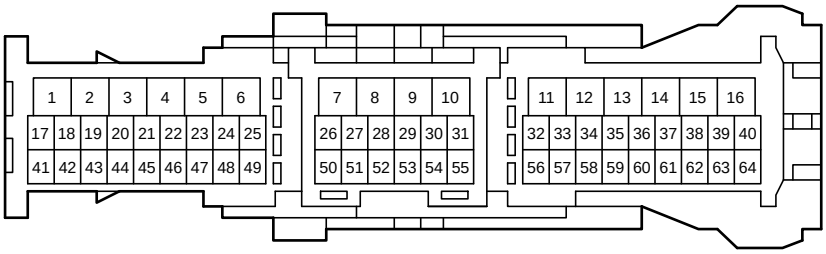

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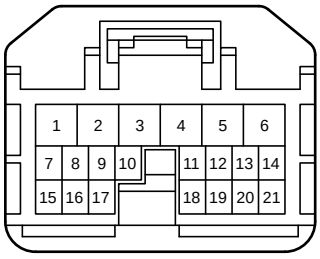

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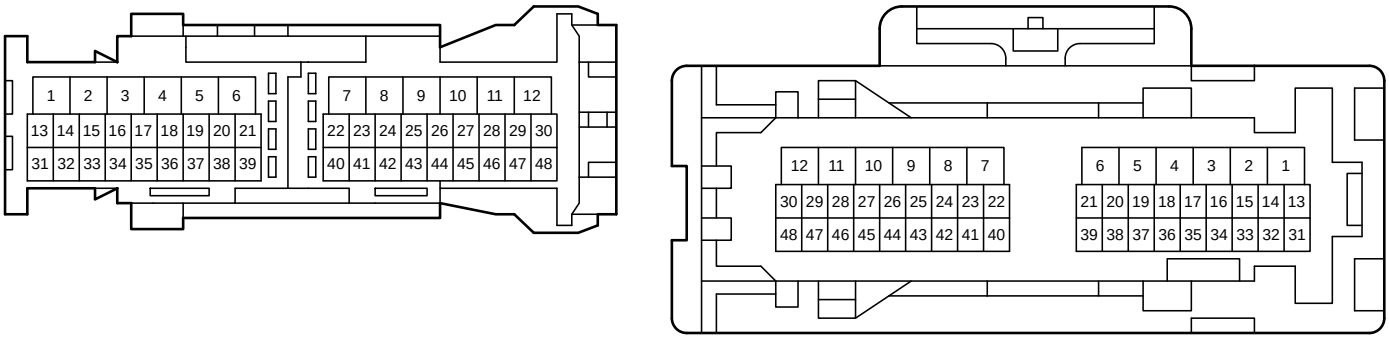

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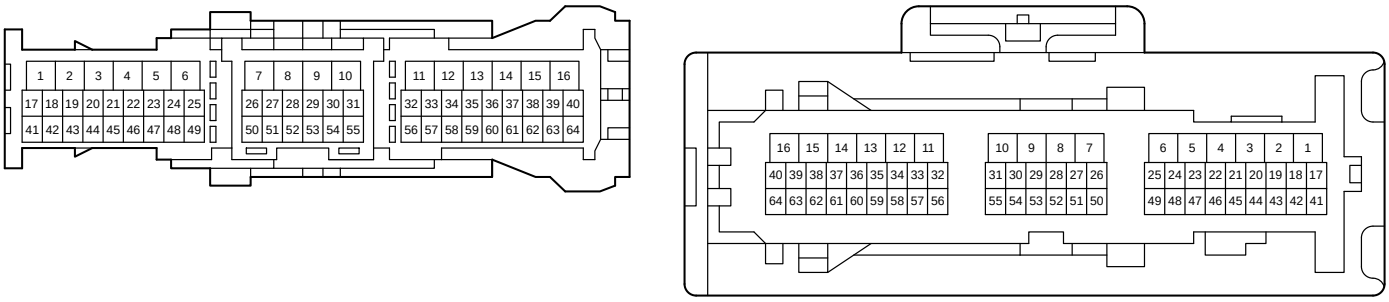

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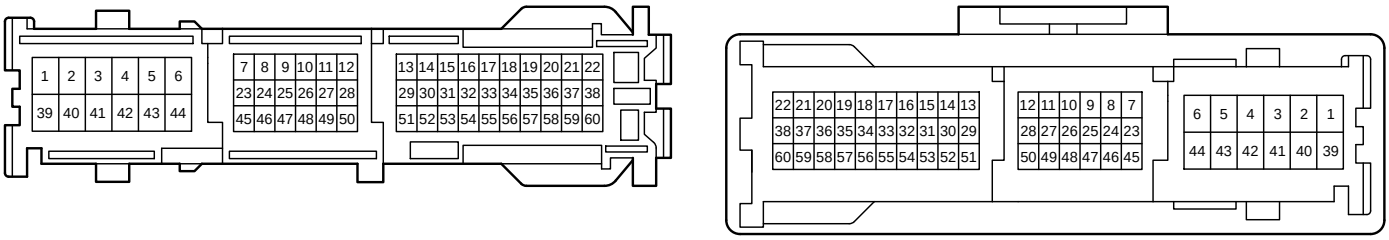

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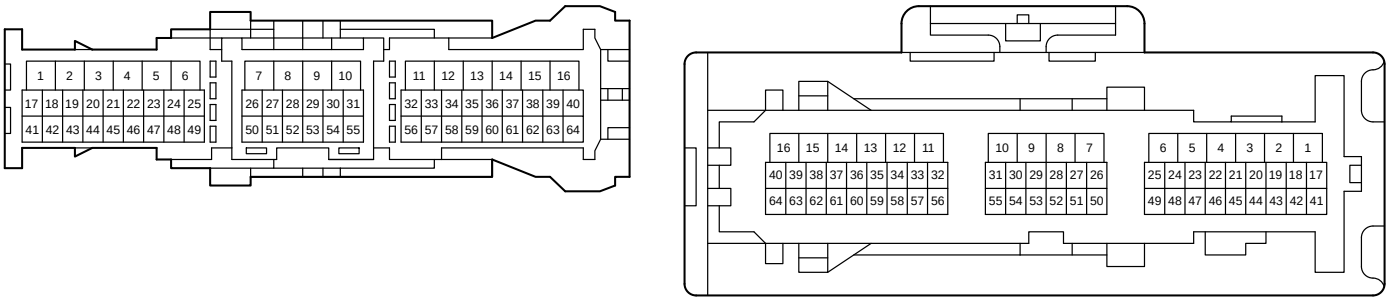

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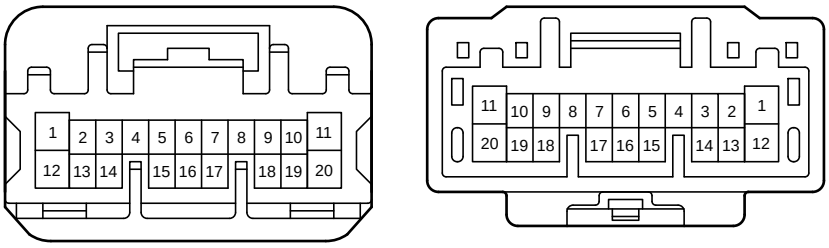

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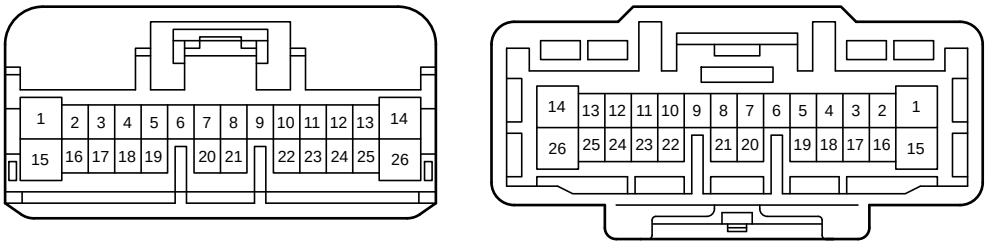

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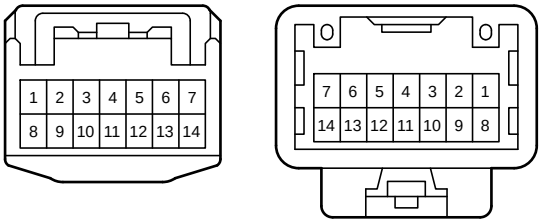

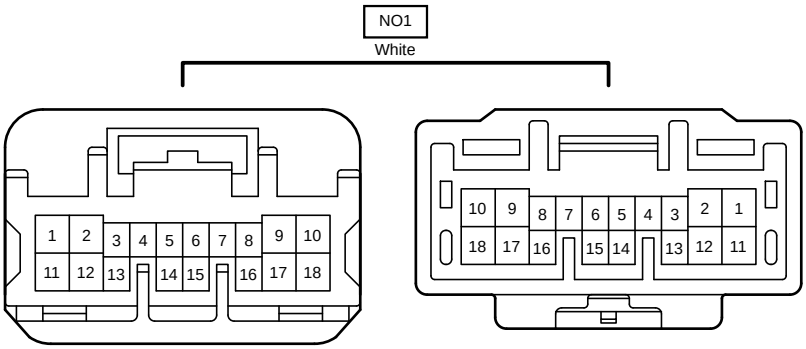
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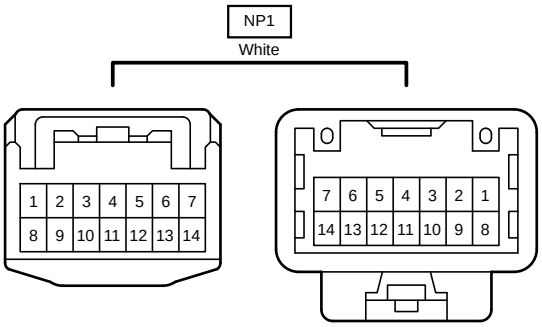
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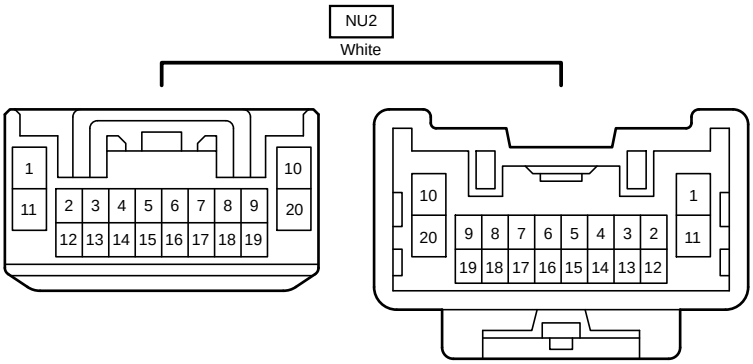
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