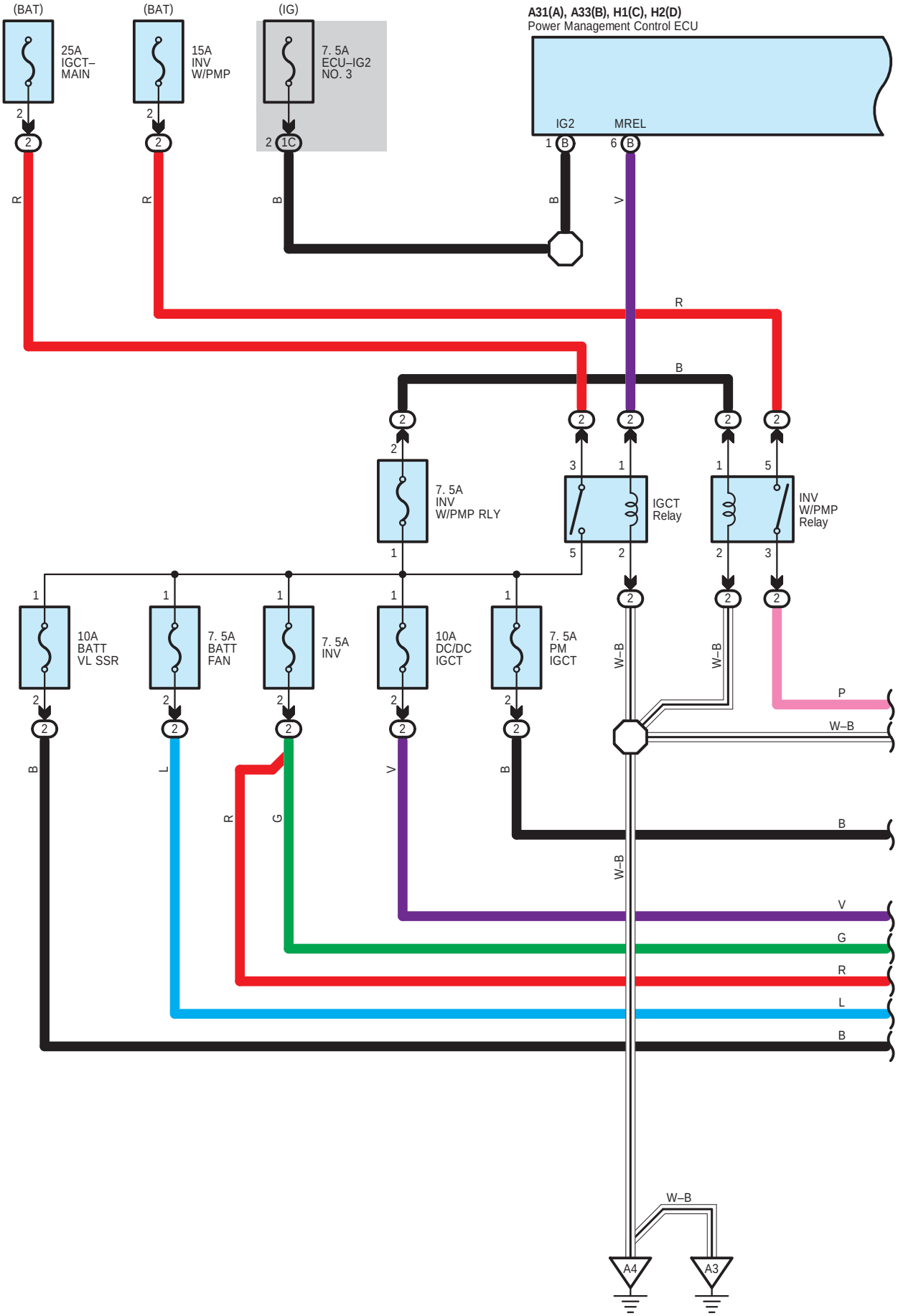
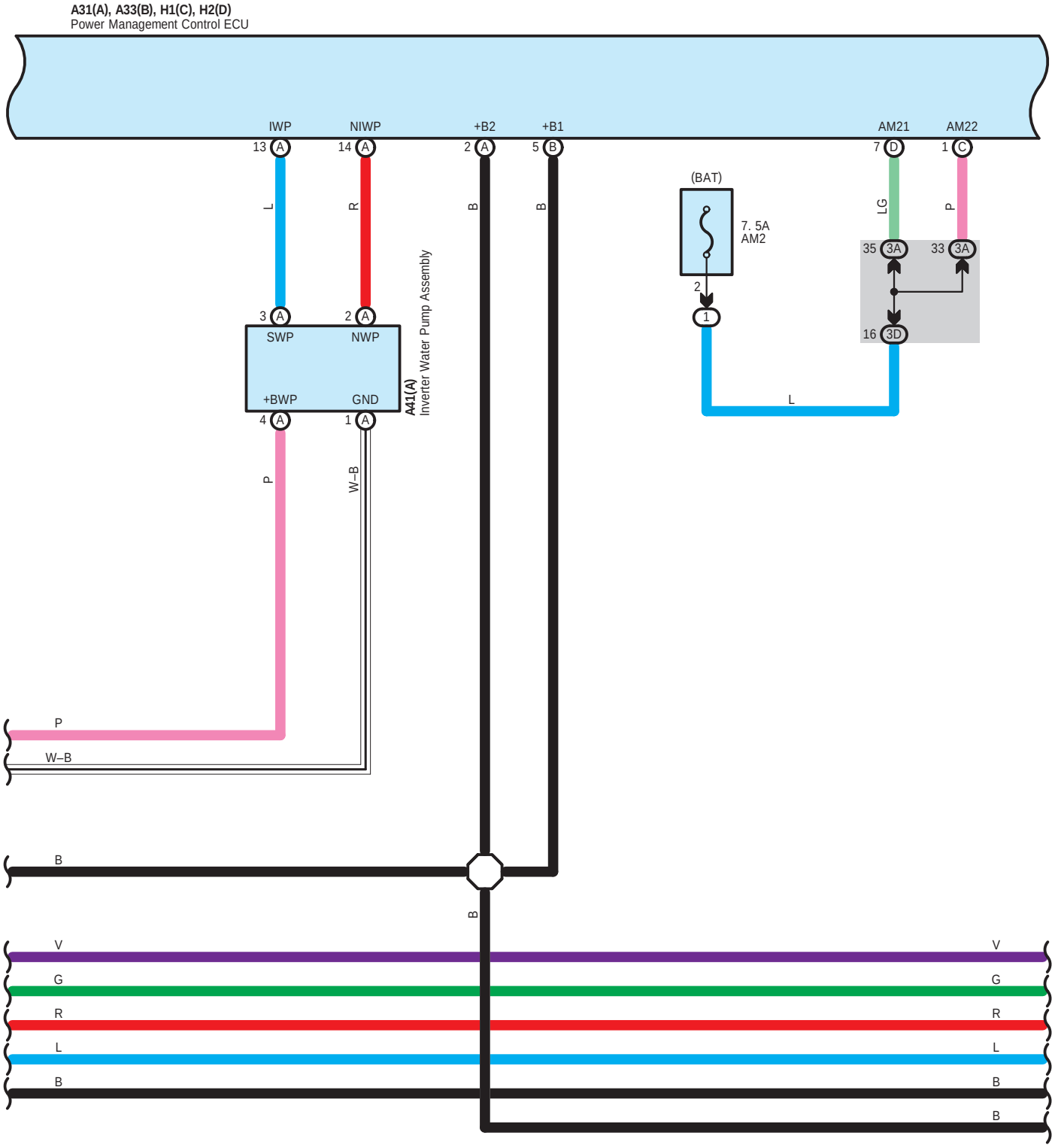
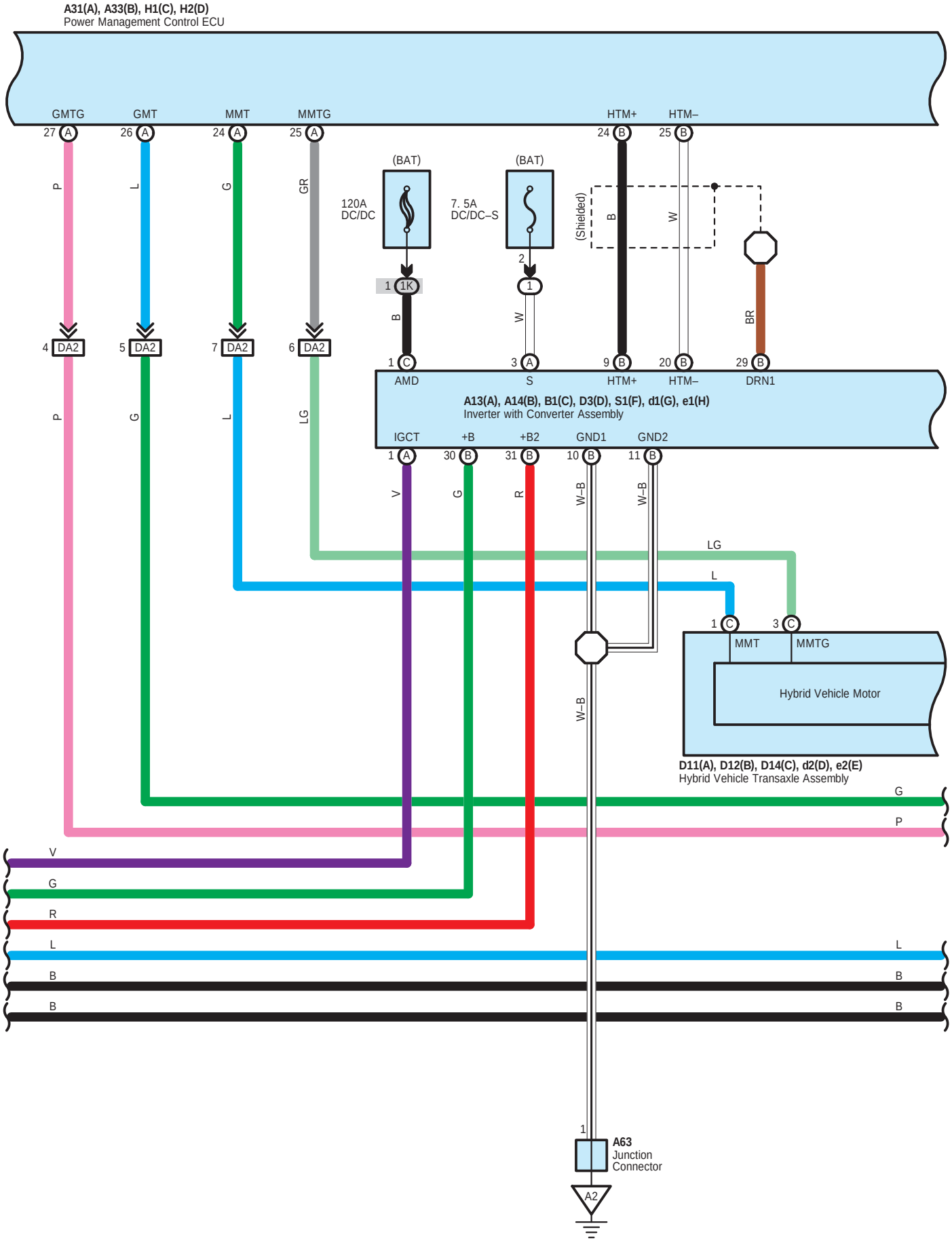
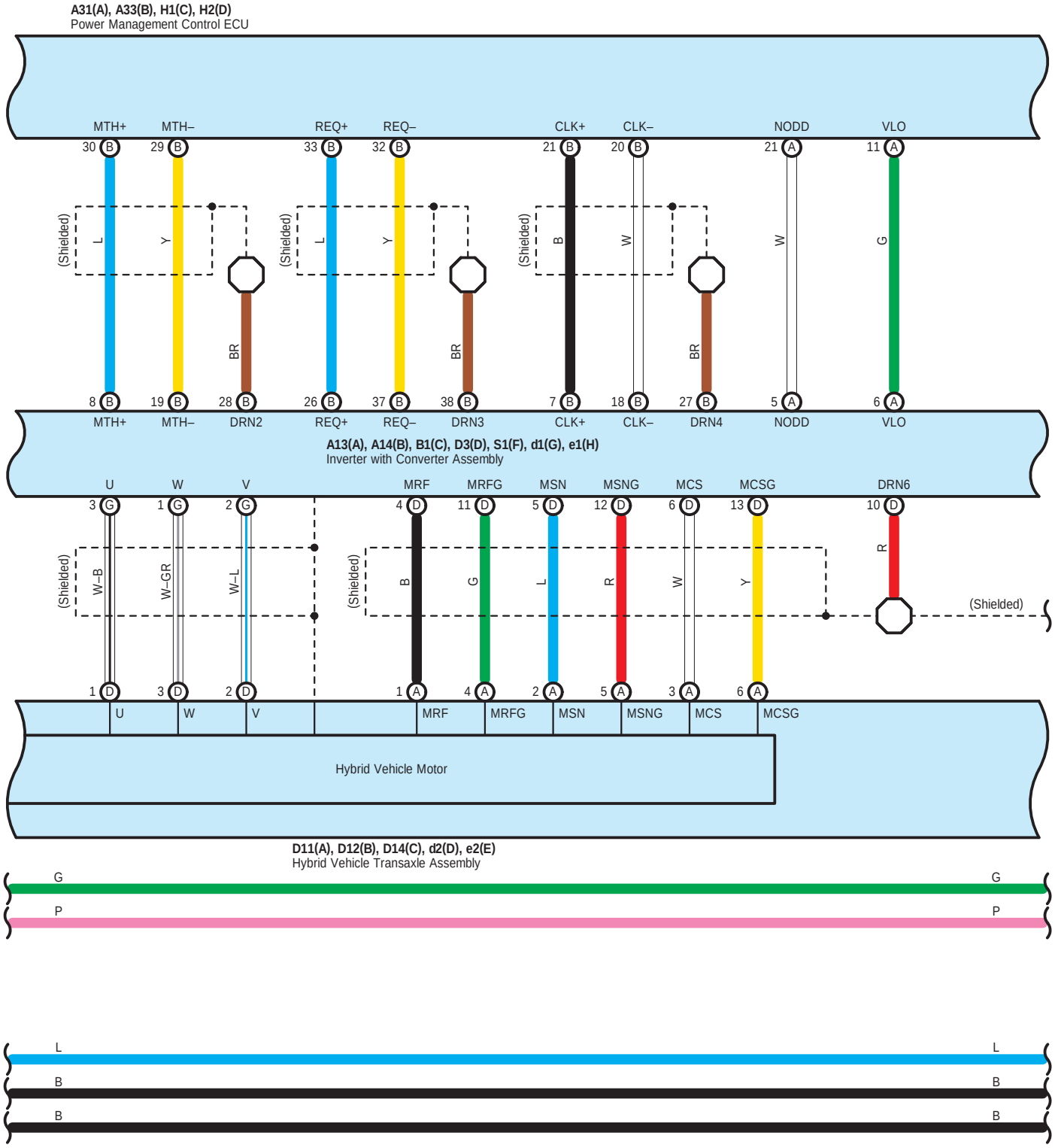
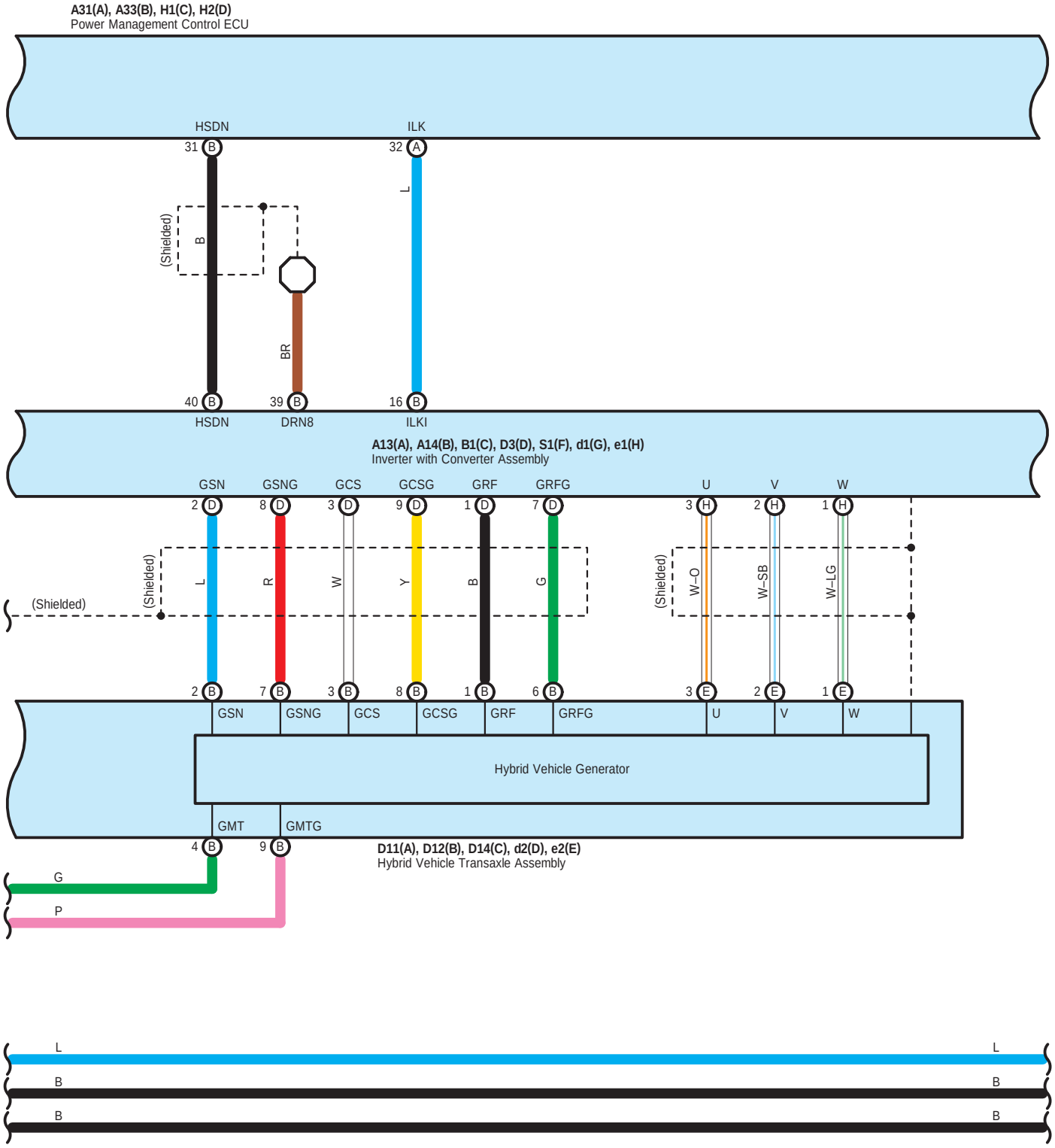
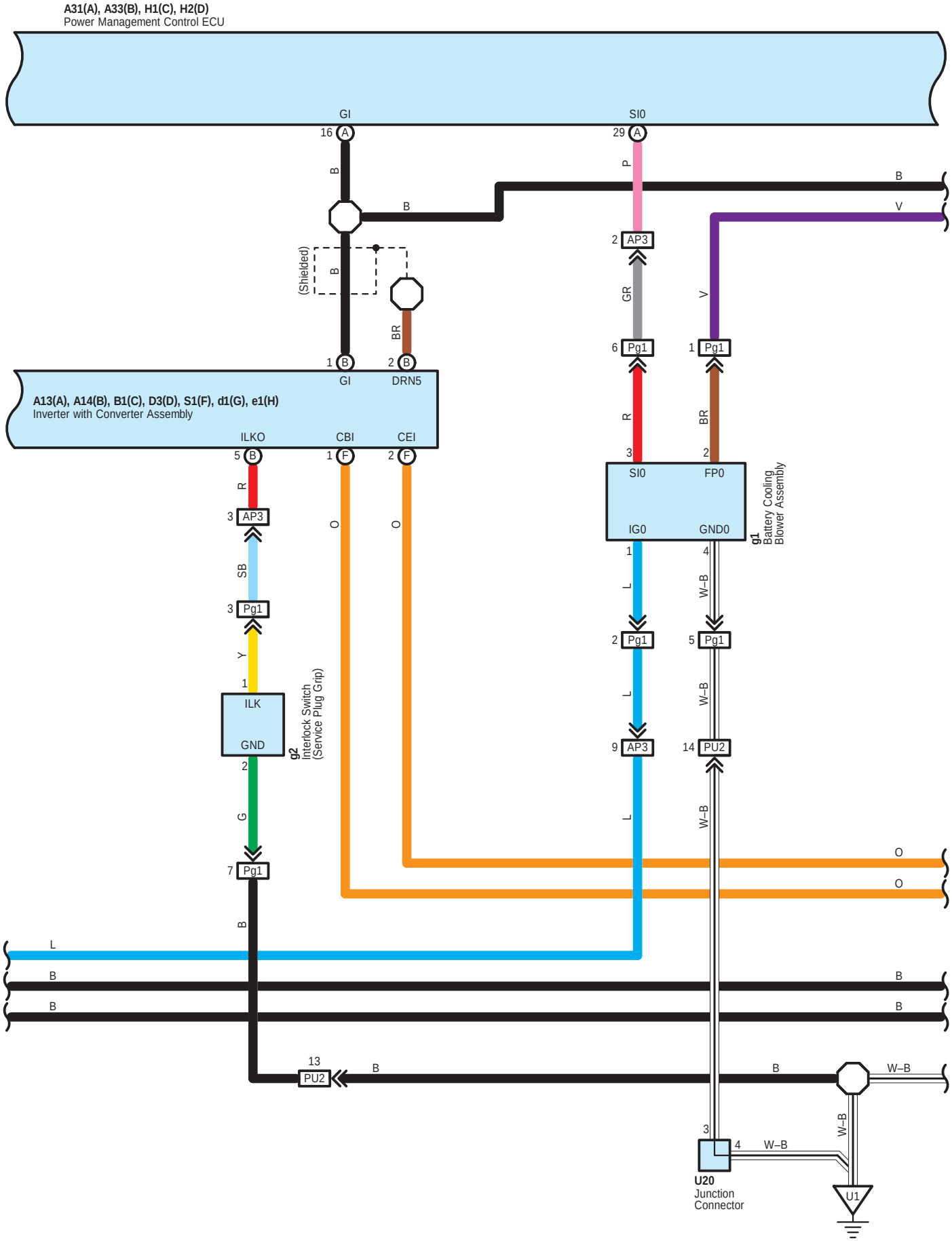

(BAT)
25A
IGCT–
MAIN
(BAT)
15A
INV
W/PMP
(IG)
7. 5A
ECU–IG2
NO. 3
A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
IG2
MREL
7. 5A
INV
W/PMP RLY
IGCT
Relay
INV
W/PMP
Relay
10A
BATT
VL SSR
7. 5A
BATT
FAN
7. 5A
INV
10A
DC/DC
IGCT
7. 5A
PM
IGCT
W–B
A4
A3

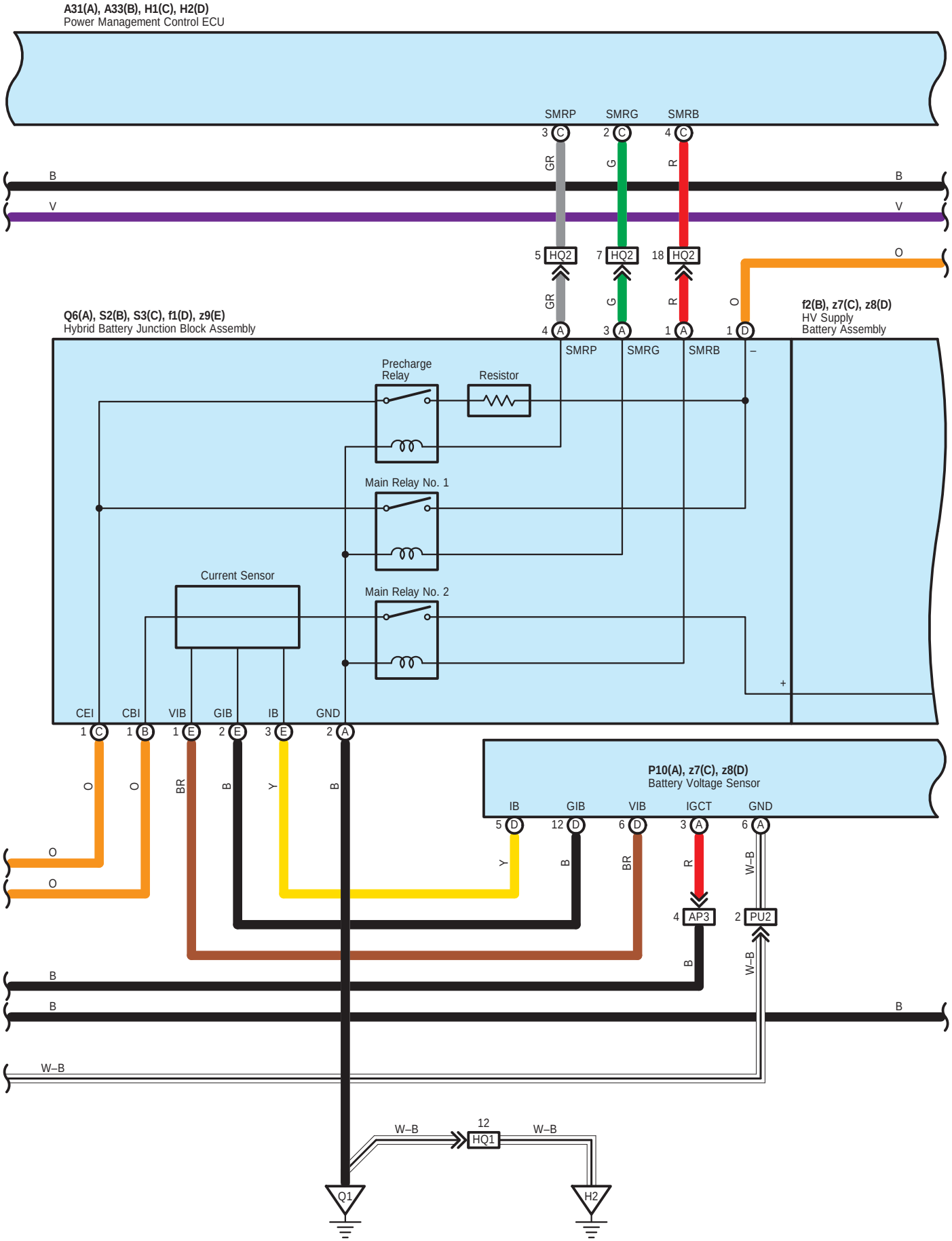

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
IWP
NIWP
+B2
+B1
AM21
AM22
13 A
14 A
2 A
5 B
7 D
1 C
L
R
B
B
LG
P
(BAT)
7. 5A
AM2
2
1
35 3A
33 3A
16 3D
L
3 A
2 A
SWP
NWP
+BWP
GND
4 A
1 A
A41(A)
Inverter Water Pump Assembly
P
W–B
P
W–B
B
B
V
G
R
L
B
V
G
R
L
B
B

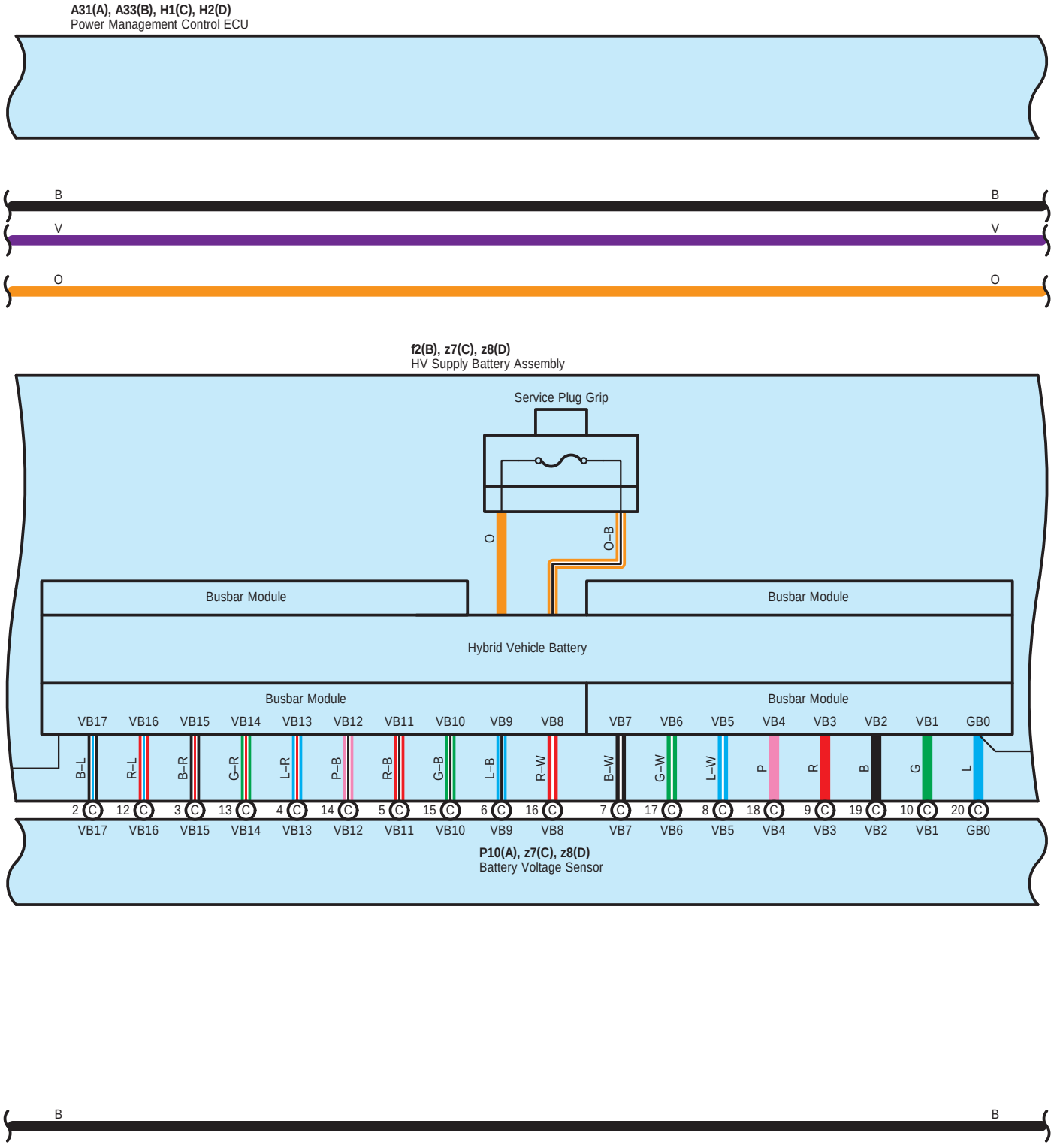

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
GMTG
GMT
MMT
MMTG
HTM+
HTM–
27 A
26 A
24 A
25 A
24 B
25 B
(BAT)
(BAT)
120A
DC/DC
7. 5A
DC/DC–S
(Shielded)
1 1K
2
1
4 DA2
5 DA2
7 DA2
6 DA2
1 C
3 A
9 B
20 B
29 B
AMD
S
HTM+
HTM–
DRN1
A13(A), A14(B), B1(C), D3(D), S1(F), d1(G), e1(H)
Inverter with Converter Assembly
IGCT
+B
+B2
GND1
GND2
1 A
30 B
31 B
10 B
11 B
1 C
3 C
MMT
MMTG
Hybrid Vehicle Motor
D11(A), D12(B), D14(C), d2(D), e2(E)
Hybrid Vehicle Transaxle Assembly
1
A63
Junction
Connector
A2

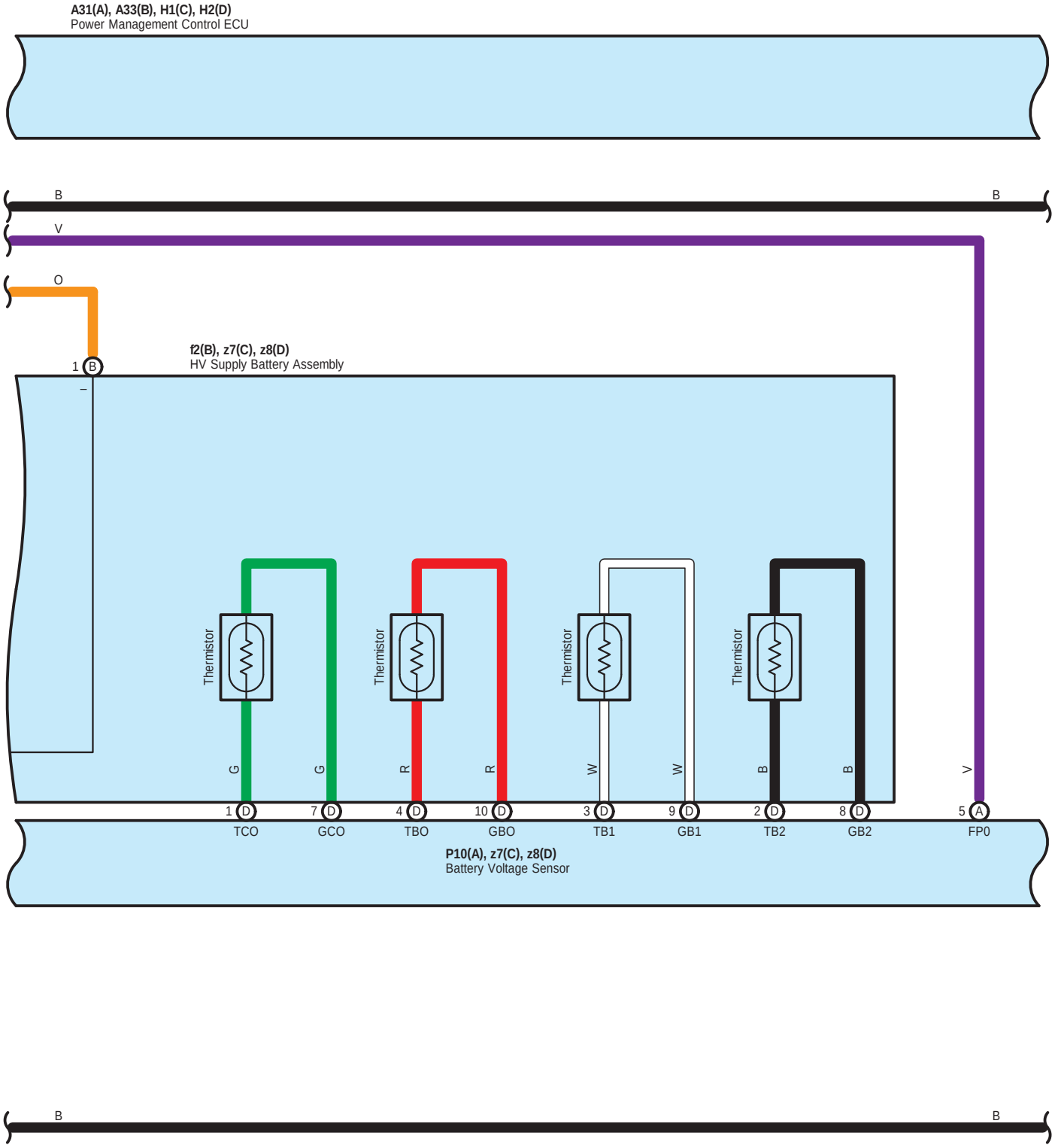

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
MTH+
MTH–
REQ+
REQ–
CLK+
CLK–
NODD
VLO
30 B
29 B
33 B
32 B
21 B
20 B
21 A
11 A
(Shielded)
L
Y
BR
B
W
G
8 B
19 B
28 B
26 B
37 B
38 B
7 B
18 B
27 B
5 A
6 A
DRN2
DRN3
DRN4
A13(A), A14(B), B1(C), D3(D), S1(F), d1(G), e1(H)
Inverter with Converter Assembly
U
W
V
MRF
MRFG
MSN
MSNG
MCS
MCSG
DRN6
3 G
1 G
2 G
4 D
11 D
5 D
12 D
6 D
13 D
10 D
W–B
W–GR
W–L
R
1 D
3 D
2 D
1 A
4 A
2 A
5 A
3 A
6 A
Hybrid Vehicle Motor
D11(A), D12(B), D14(C), d2(D), e2(E)
Hybrid Vehicle Transaxle Assembly

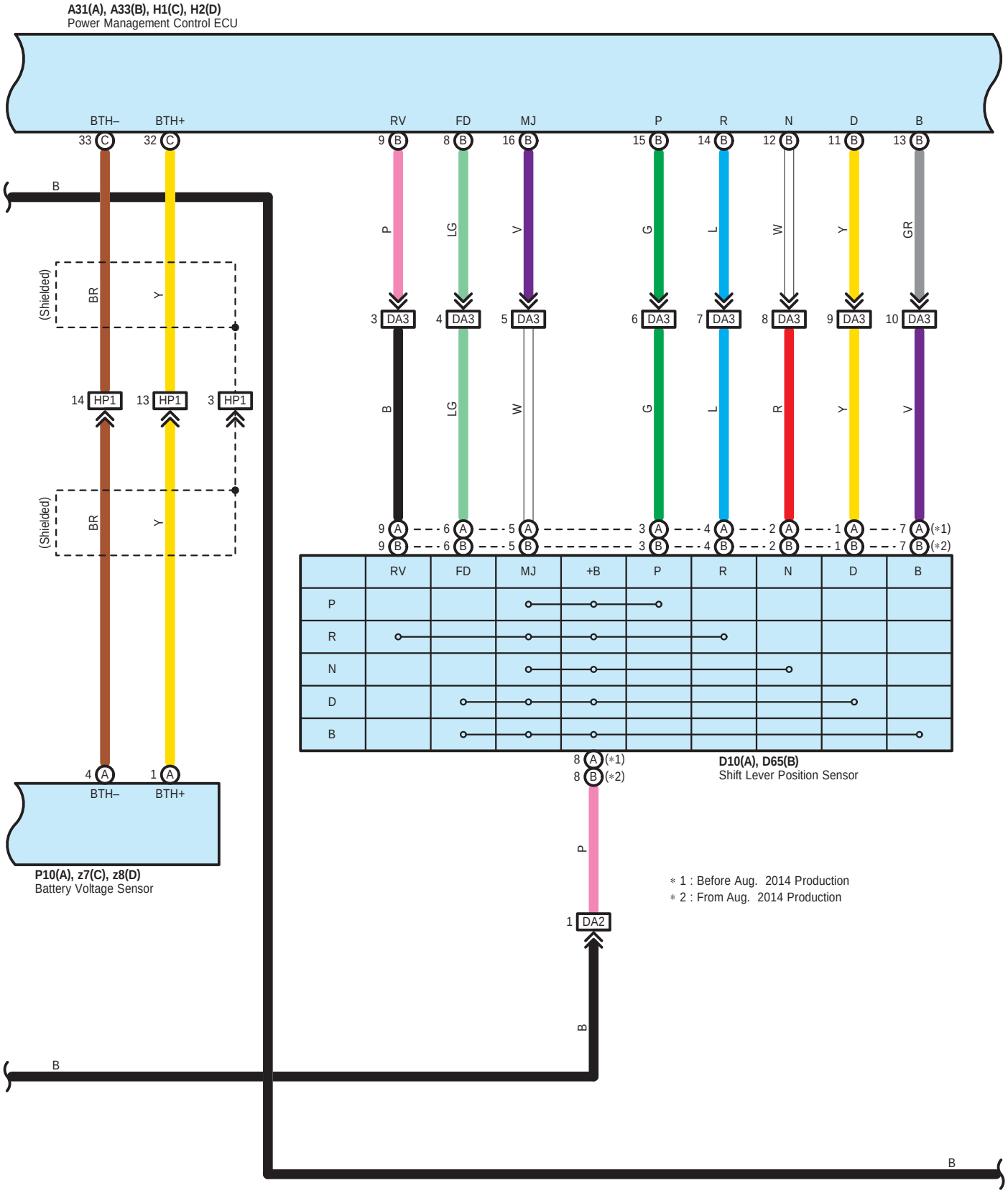

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
HSDN
ILK
31 B
32 A
(Shielded)
B
L
BR
40 B
39 B
16 B
HSDN
DRN8
ILKI
A13(A), A14(B), B1(C), D3(D), S1(F), d1(G), e1(H)
Inverter with Converter Assembly
GSN
GSNG
GCS
GCSG
GRF
GRFG
U
V
W
2 D
8 D
3 D
9 D
1 D
7 D
3 H
2 H
1 H
(Shielded)
L
R
W
Y
B
G
W–O
W–SB
W–LG
2 B
7 B
3 B
8 B
1 B
6 B
3 E
2 E
1 E
GSN
GSNG
GCS
GCSG
GRF
GRFG
U
V
W
Hybrid Vehicle Generator
GMT
GMTG
4 B
9 B
D11(A), D12(B), D14(C), d2(D), e2(E)
Hybrid Vehicle Transaxle Assembly
G
P
L
B
B

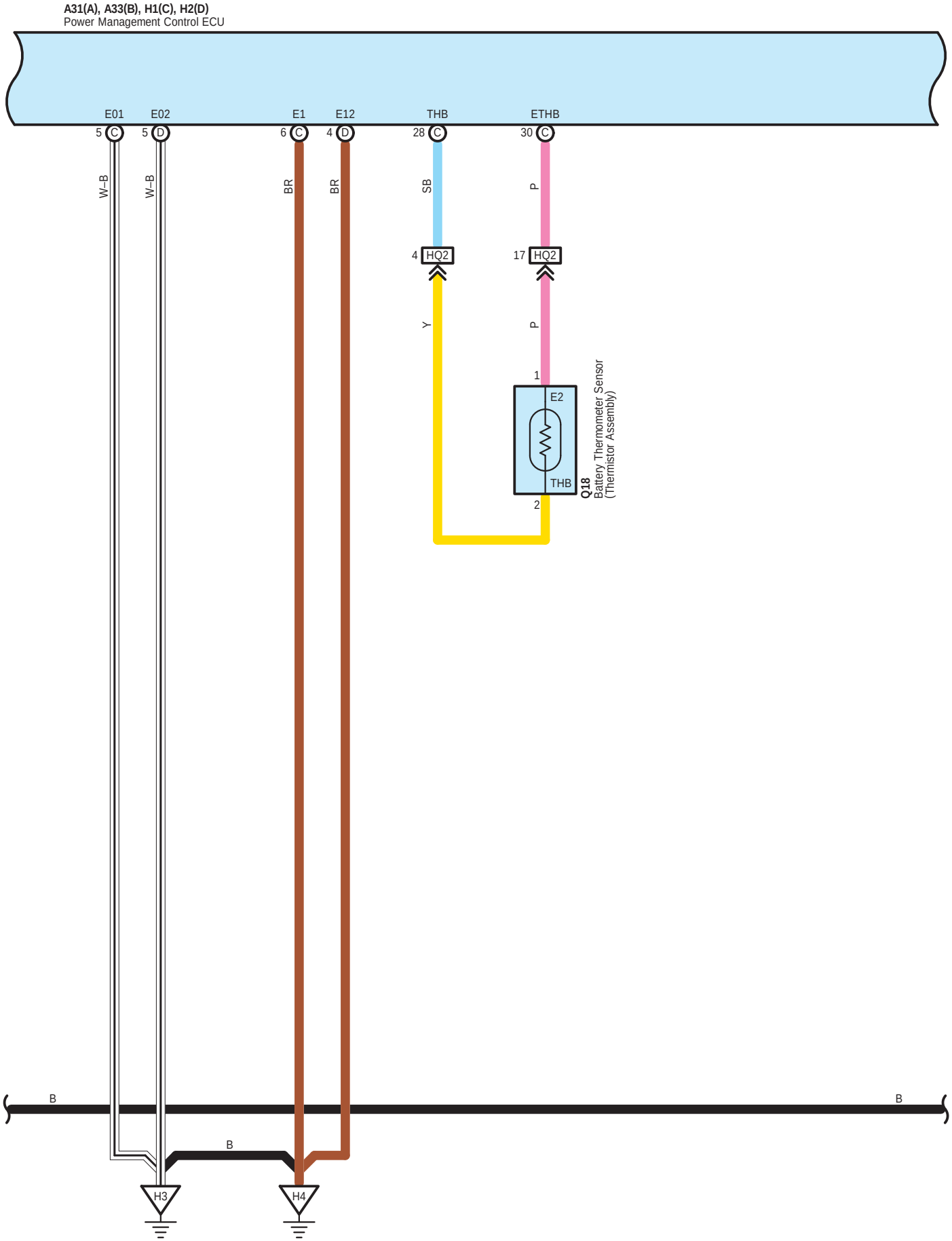

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
GI
SI0
16 A
29 A
B
P
B
B
V
2 AP3
(Shielded)
B
GR
V
BR
6 Pg1
1 Pg1
1 B
2 B
GI
DRN5
A13(A), A14(B), B1(C), D3(D), S1(F), d1(G), e1(H)
Inverter with Converter Assembly
ILKO
CBI
CEI
5 B
1 F
2 F
R
R
BR
3 AP3
O
O
SI0
FP0
IG0
GND0
g1
Battery Cooling Blower Assembly
SB
1
4
L
W–B
3 Pg1
2 Pg1
5 Pg1
Y
1
ILK
GND
g2
Interlock Switch (Service Plug Grip)
L
W–B
9 AP3
14 PU2
2
G
L
W–B
7 Pg1
O
O
B
L
B
B
B
B
13
PU2
B
B
W–B
W–B
3
4
W–B
U20
Junction Connector
U1

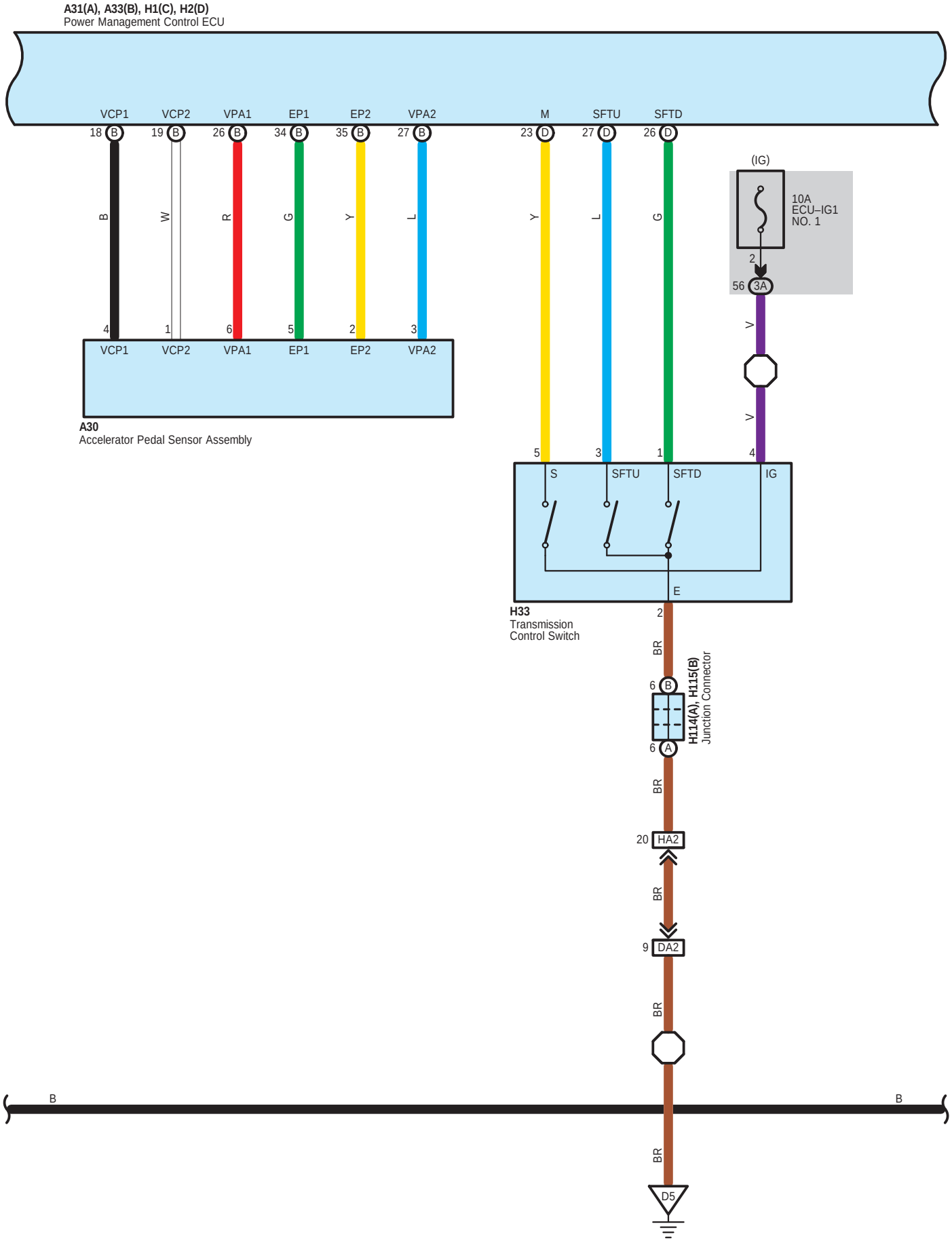

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
SMRP
SMRG
SMRB
3 C
2 C
4 C
GR
G
R
B
V
5 HQ2
7 HQ2
18 HQ2
O
Q6(A), S2(B), S3(C), f1(D), z9(E)
Hybrid Battery Junction Block Assembly
4 A
3 A
1 A
1 D
f2(B), z7(C), z8(D)
HV Supply
Battery Assembly
Precharge Relay
Resistor
Main Relay No. 1
Current Sensor
Main Relay No. 2
–
+
CEI
CBI
VIB
GIB
IB
GND
1 C
1 B
1 E
2 E
3 E
2 A
BR
Y
P10(A), z7(C), z8(D)
Battery Voltage Sensor
IGCT
5 D
12 D
6 D
3 A
6 A
W–B
4 AP3
2 PU2
12
HQ1
Q1
H2

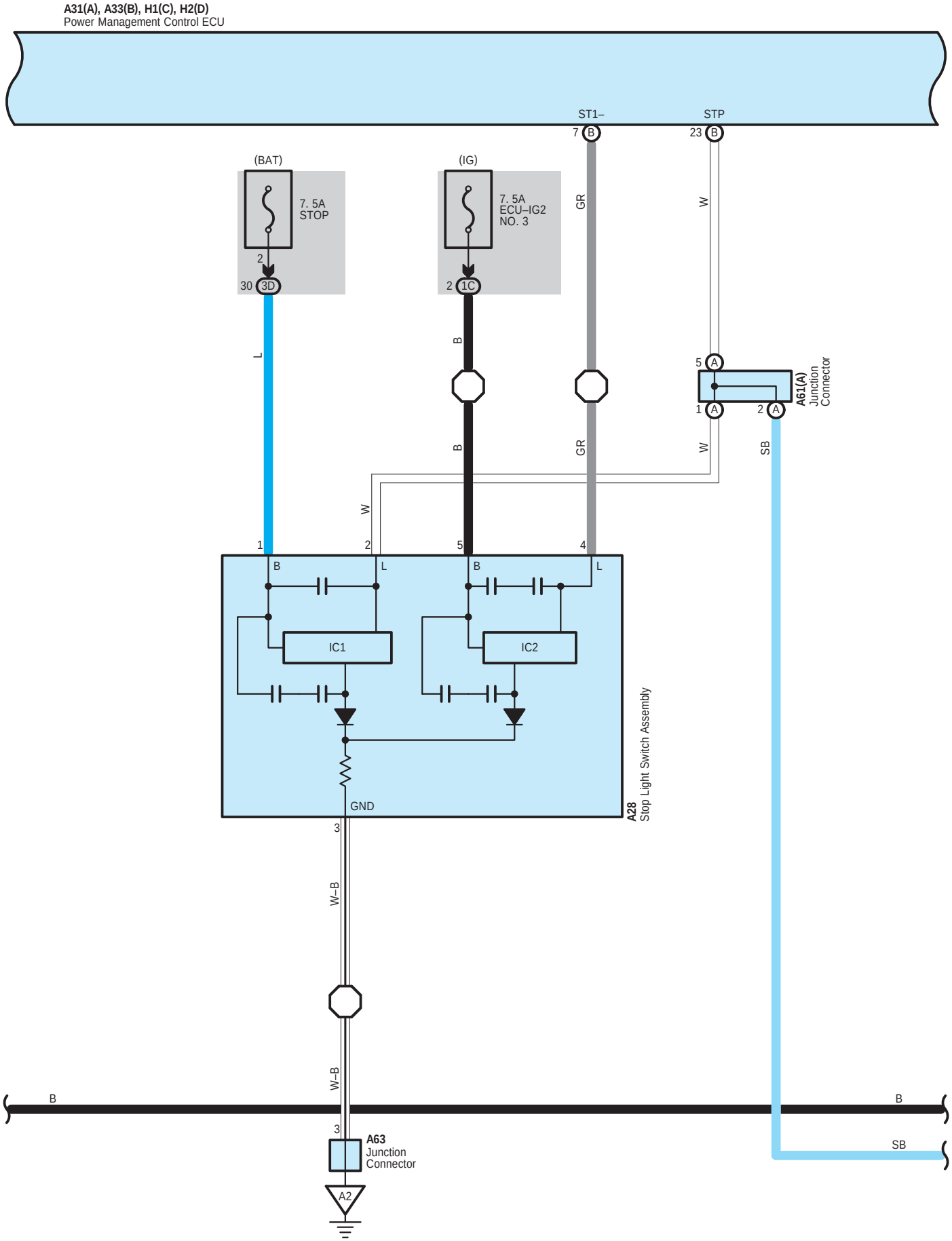

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
B
B
V
V
O
O
f2(B), z7(C), z8(D)
HV Supply Battery Assembly
Service Plug Grip
O
O–B
Busbar Module
Busbar Module
Hybrid Vehicle Battery
Busbar Module
Busbar Module
VB17 VB16 VB15 VB14 VB13 VB12 VB11 VB10 VB9 VB8 VB7 VB6 VB5 VB4 VB3 VB2 VB1 GB0
B–L R–L B–R G–R L–R P–B R–B G–B L–B R–W B–W G–W L–W P R B G L
2 C 12 C 3 C 13 C 4 C 14 C 5 C 15 C 6 C 16 C 7 C 17 C 8 C 18 C 9 C 19 C 10 C 20 C
VB17 VB16 VB15 VB14 VB13 VB12 VB11 VB10 VB9 VB8 VB7 VB6 VB5 VB4 VB3 VB2 VB1 GB0
P10(A), z7(C), z8(D)
Battery Voltage Sensor
B
B

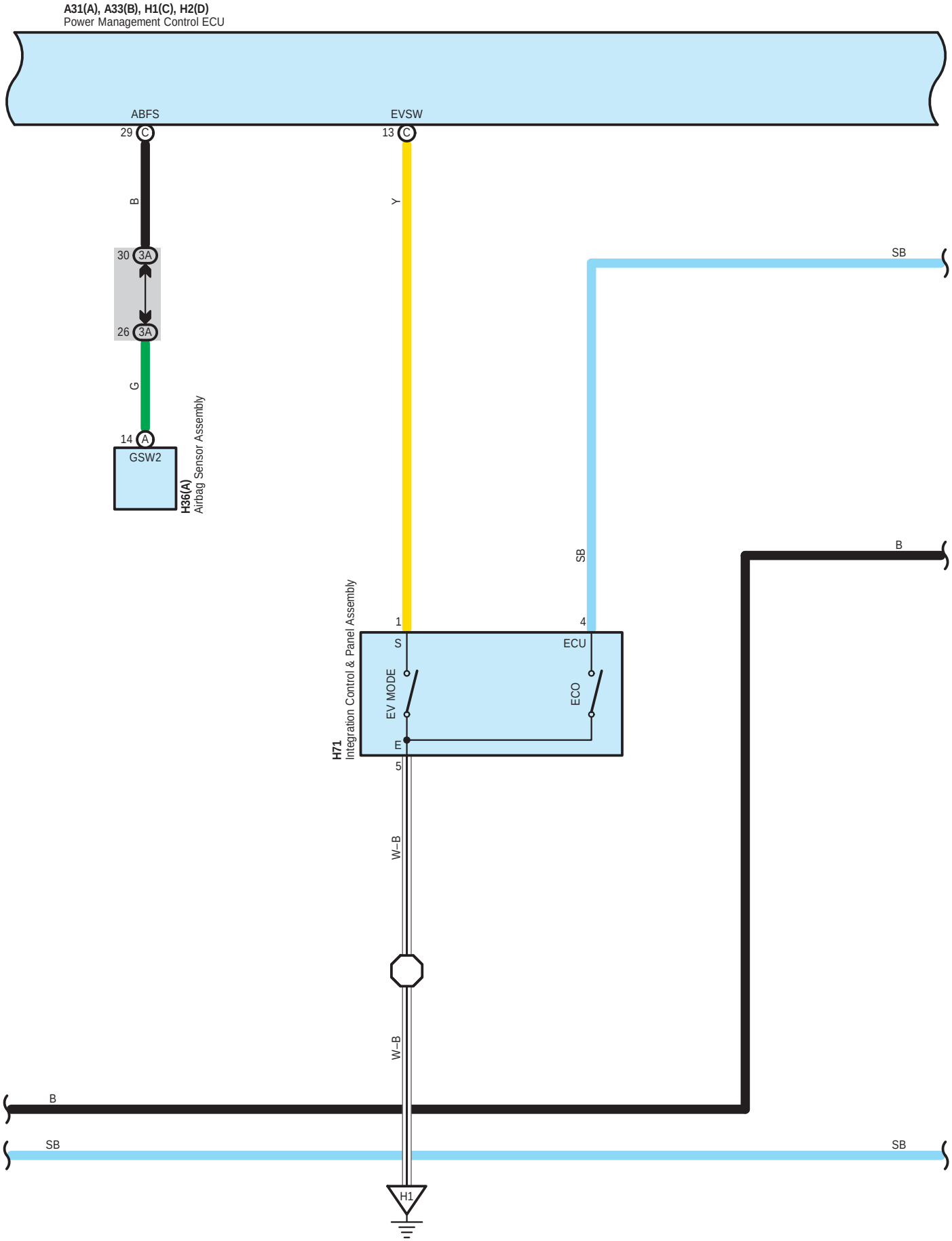

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
B
B
V
O
1 B
f2(B), z7(C), z8(D)
HV Supply Battery Assembly
Thermistor
Thermistor
Thermistor
Thermistor
G
G
R
R
W
W
B
B
V
1 D
7 D
4 D
10 D
3 D
9 D
2 D
8 D
5 A
TCO
GCO
TBO
GBO
TB1
GB1
TB2
GB2
FP0
P10(A), z7(C), z8(D)
Battery Voltage Sensor
B
B

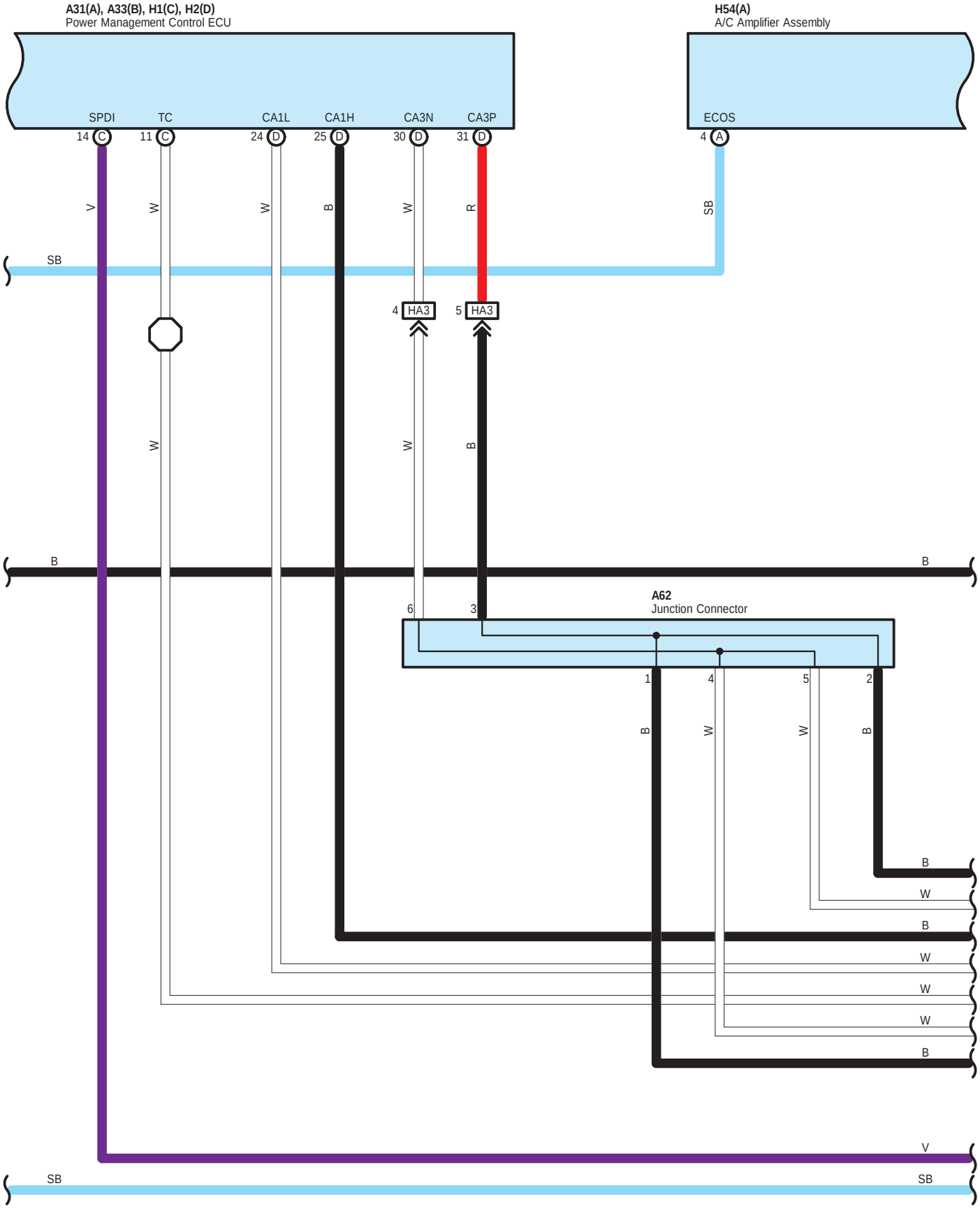

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
BTH–
BTH+
RV
FD
MJ
P
R
N
D
B
33 C
32 C
9 B
8 B
16 B
15 B
14 B
12 B
11 B
13 B
(Shielded)
BR
Y
14 HP1
13 HP1
3 HP1
3 DA3
4 DA3
5 DA3
6 DA3
7 DA3
8 DA3
9 DA3
10 DA3
LG
W
G
L
R
V
GR
9 A
6 A
5 A
3 A
4 A
2 A
1 A
7 A (*1)
9 B
6 B
5 B
3 B
4 B
2 B
1 B
7 B (*2)
+B
8 A (*1)
8 B (*2)
4 A
1 A
P10(A), z7(C), z8(D)
Battery Voltage Sensor
D10(A), D65(B)
Shift Lever Position Sensor
1 DA2
* 1 : Before Aug. 2014 Production
* 2 : From Aug. 2014 Production

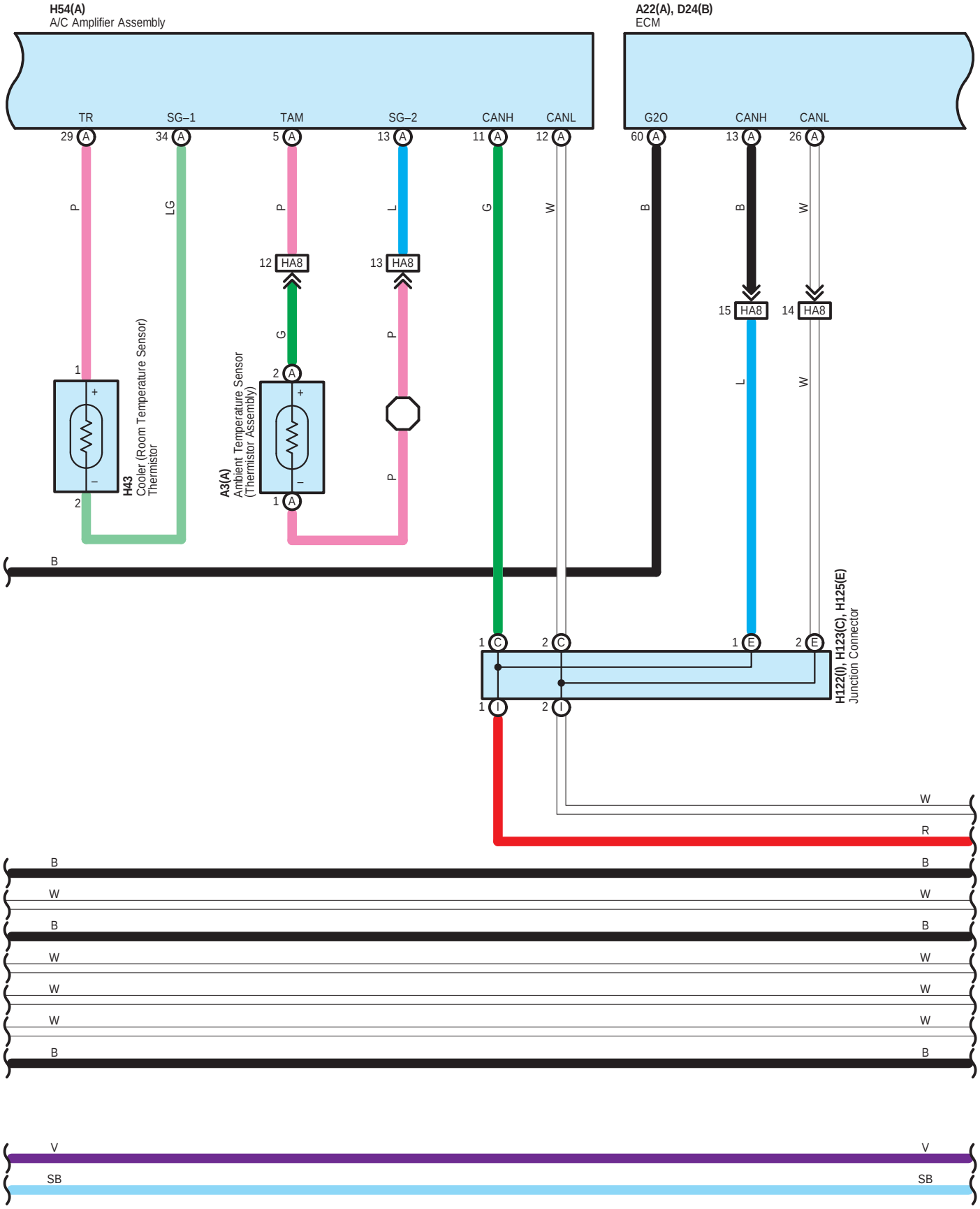

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
E01
E02
E1
E12
THB
ETHB
5 C
5 D
6 C
4 D
28 C
30 C
W–B
W–B
BR
BR
SB
P
4 HQ2
17 HQ2
Y
P
1
E2
THB
2
Q18
Battery Thermometer Sensor
(Thermistor Assembly)
B
B
B
H3
H4

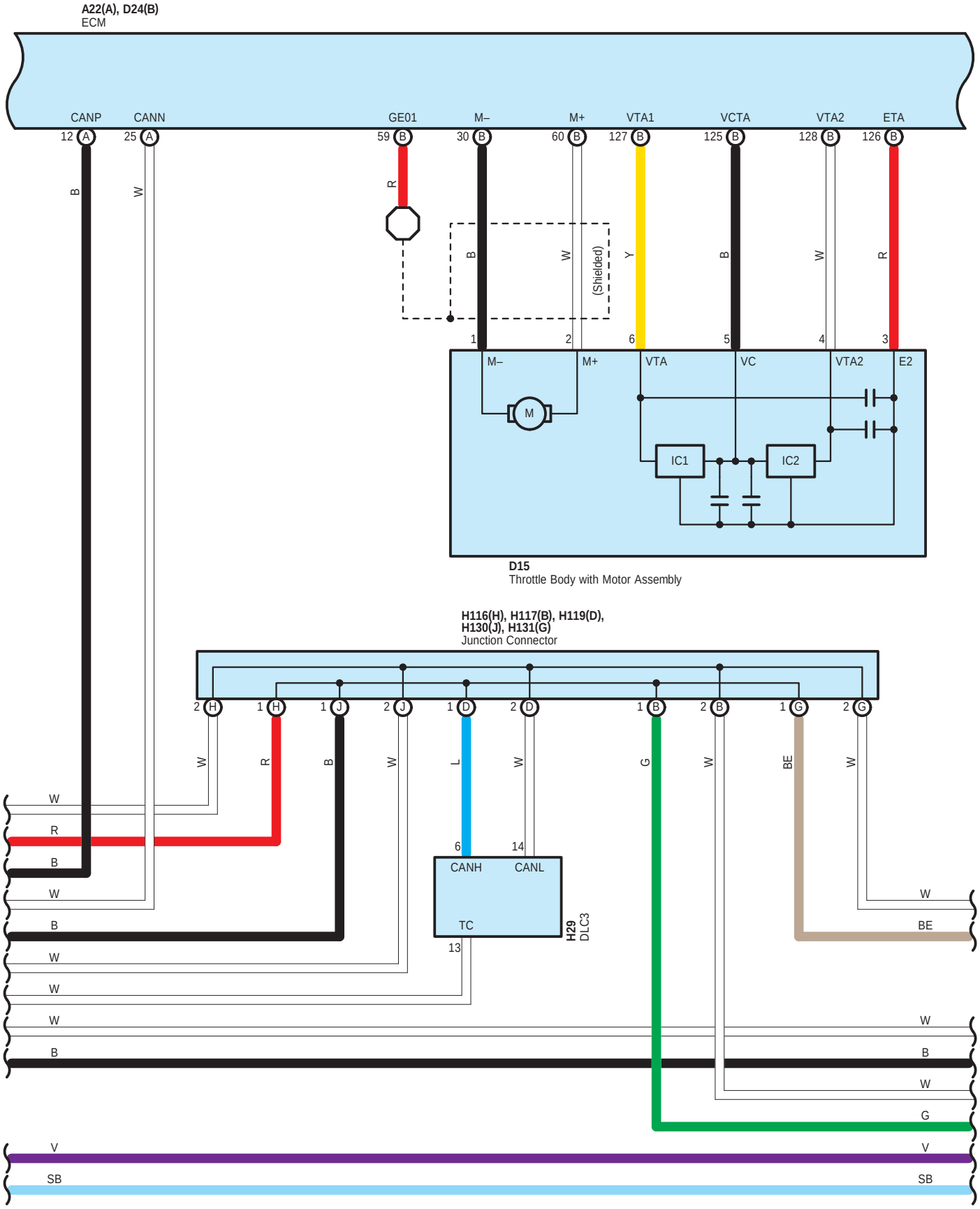

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
VCP1
VCP2
VPA1
EP1
EP2
VPA2
M
SFTU
SFTD
18 B
19 B
26 B
34 B
35 B
27 B
23 D
27 D
26 D
B
W
R
G
Y
L
Y
L
G
(IG)
10A
ECU–IG1
NO. 1
2
56 3A
V
V
4
1
6
5
2
3
VCP1
VCP2
VPA1
EP1
EP2
VPA2
A30
Accelerator Pedal Sensor Assembly
5
3
1
4
S
SFTU
SFTD
IG
E
H33
Transmission
Control Switch
2
BR
6 B
6 A
H114(A), H115(B)
Junction Connector
BR
20 HA2
BR
9 DA2
BR
B
B
BR
D5

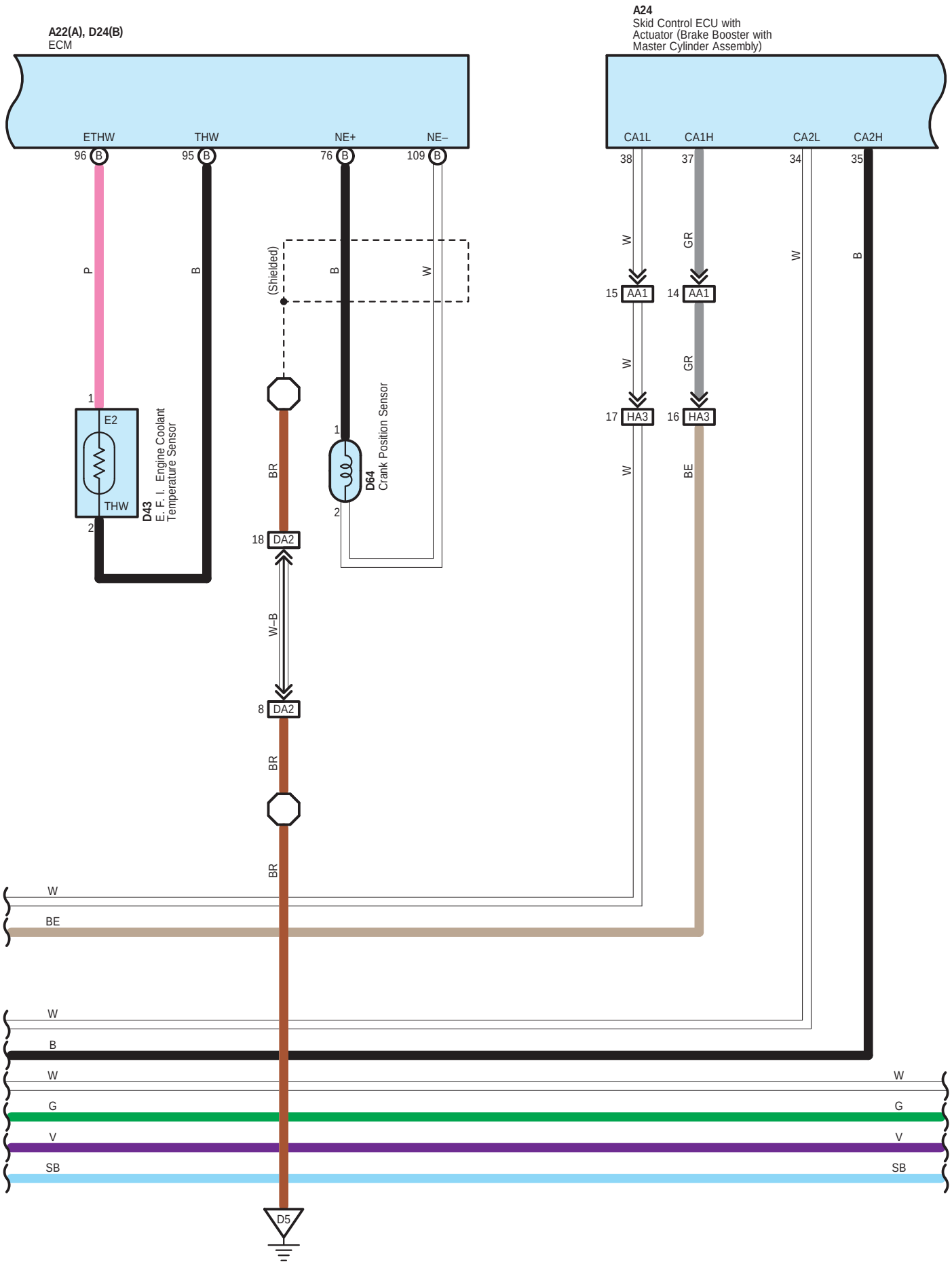

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
ST1–
STP
7 B
23 B
(BAT)
7. 5A
STOP
2
30 3D
(IG)
7. 5A
ECU–IG2
NO. 3
2 1C
GR
W
L
B
5 A
1 A
2 A
A61(A)
Junction
Connector
SB
1
2
5
4
IC1
IC2
GND
3
A28
Stop Light Switch Assembly
W–B
A63
Junction
Connector
A2

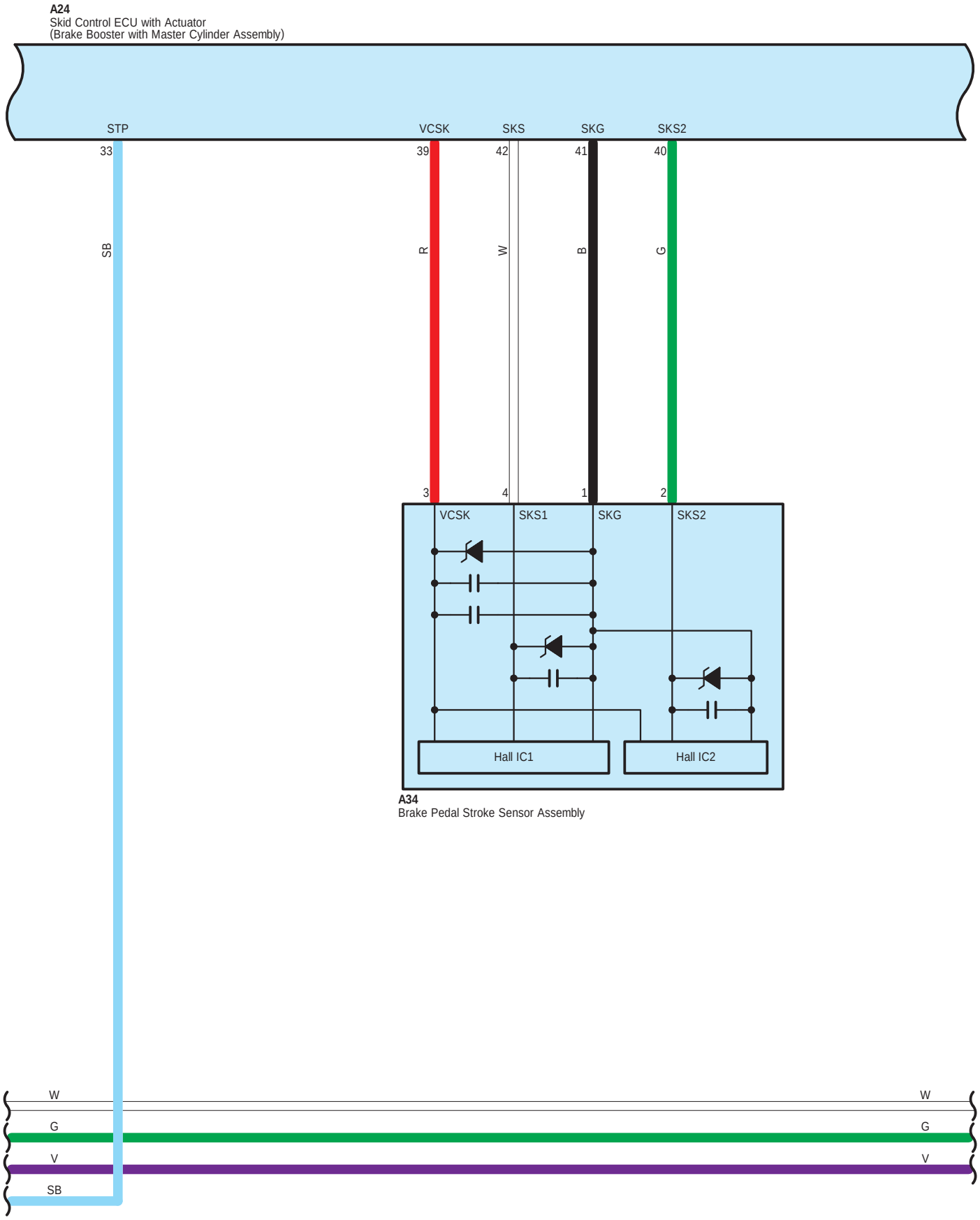

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
ABFS
EVSW
29 C
13 C
B
Y
30 3A
26 3A
G
14 A
GSW2
H36(A)
Airbag Sensor Assembly
SB
B
SB
1
4
S
ECU
EV MODE
ECO
E
5
H71
Integration Control & Panel Assembly
W–B
W–B
B
SB
SB
H1

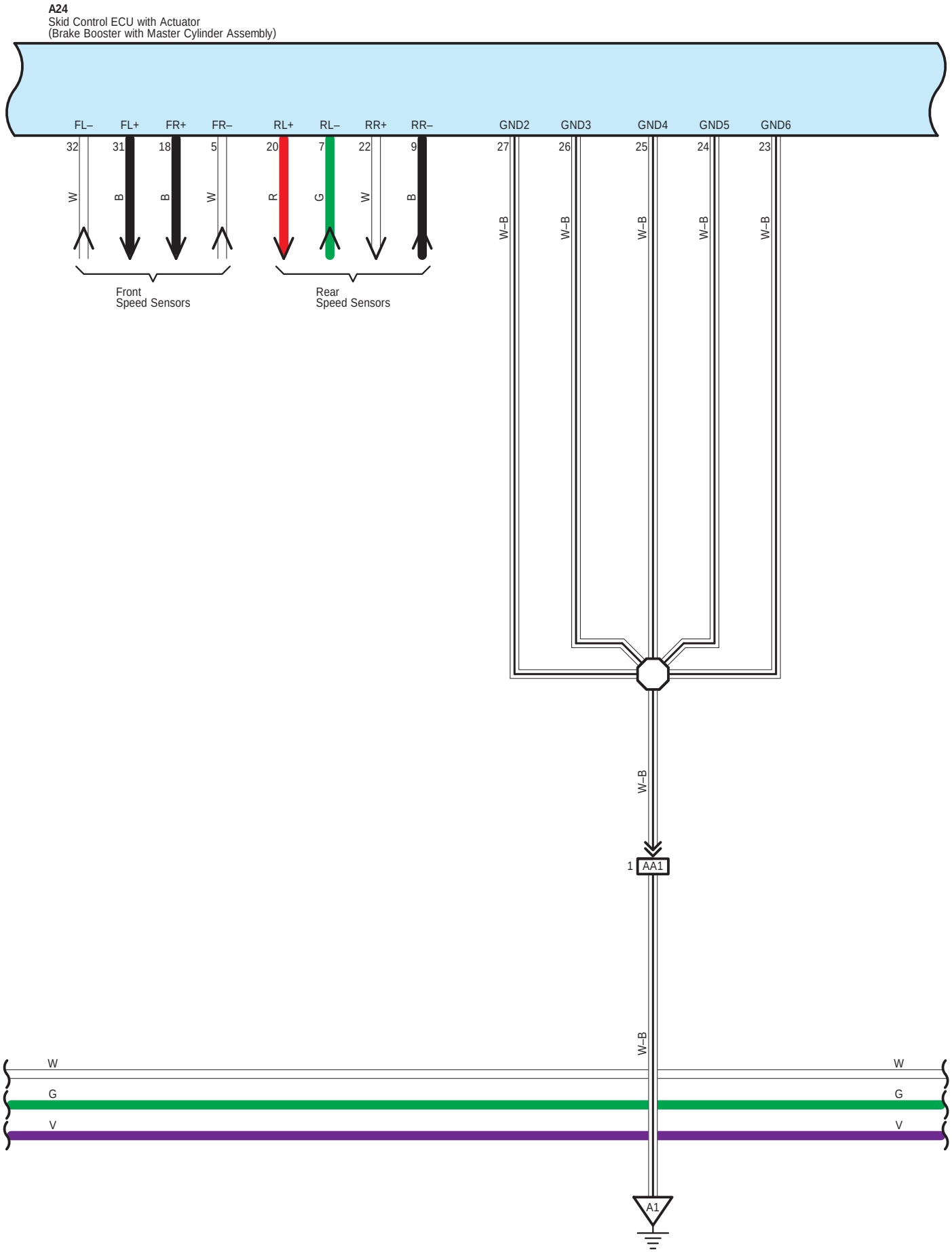

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
H54(A)
A/C Amplifier Assembly
SPDI
TC
CA1L
CA1H
CA3N
CA3P
ECOS
14 C
11 C
24 D
25 D
30 D
31 D
4 A
V
W
W
B
W
R
SB
SB
4 HA3
5 HA3
W
W
B
B
B
A62
Junction Connector
6
3
1
4
5
2
B
W
W
B
B
W
B
W
W
W
B
V
SB
SB

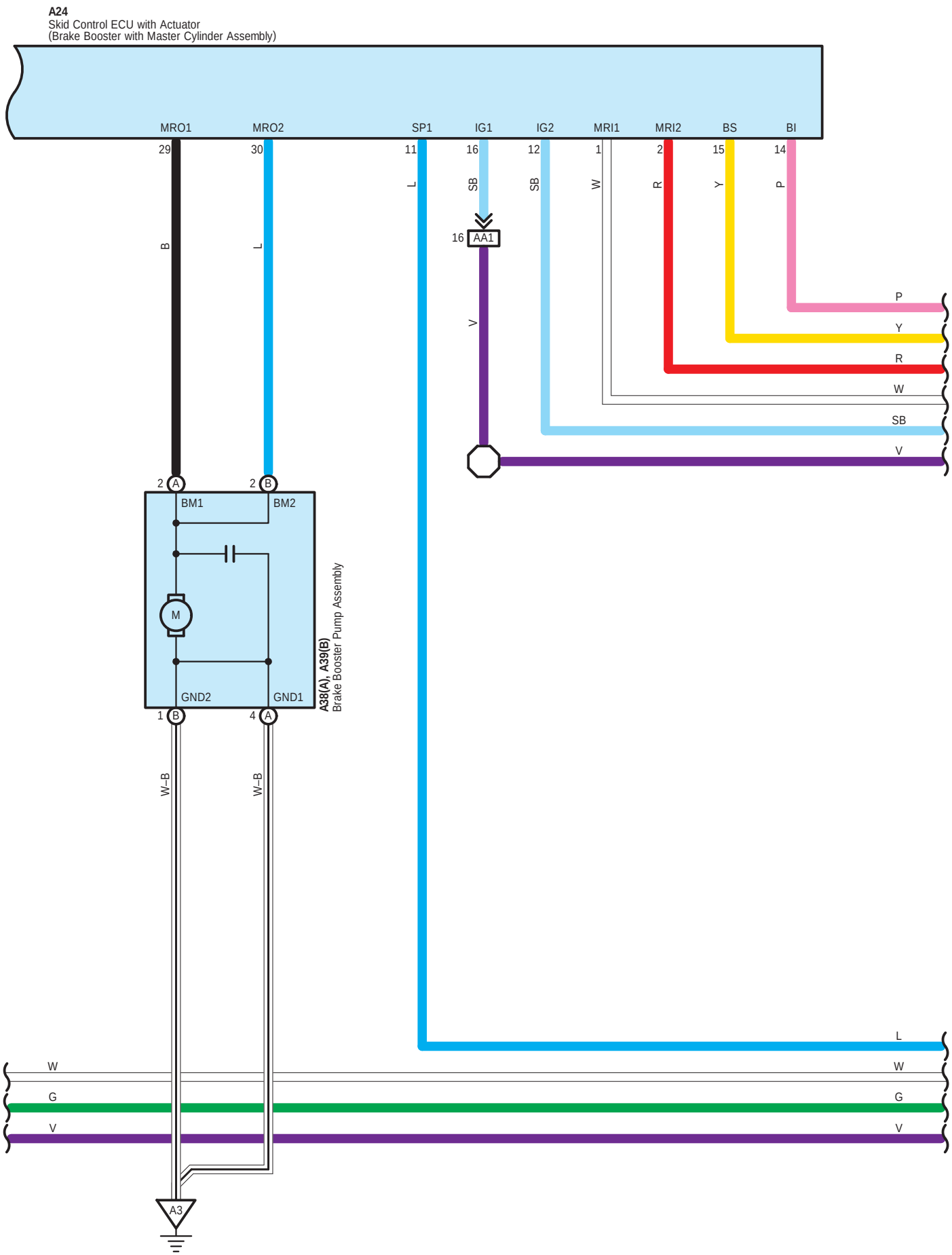

H54(A)
A/C Amplifier Assembly
A22(A), D24(B)
ECM
TR
SG–1
TAM
SG–2
CANH
CANL
G2O
CANH
CANL
29
34
5
13
11
12
60
13
26
P
LG
P
L
G
W
B
B
W
12 HA8
13 HA8
15 HA8
14 HA8
G
P
L
W
1
2
H43
Cooler (Room Temperature Sensor)
Thermistor
A3(A)
Ambient Temperature Sensor
(Thermistor Assembly)
P
B
1 C
2 C
1 E
2 E
1 I
2 I
H122(I), H123(C), H125(E)
Junction Connector
W
R
B
W
B
W
W
W
B
V
SB

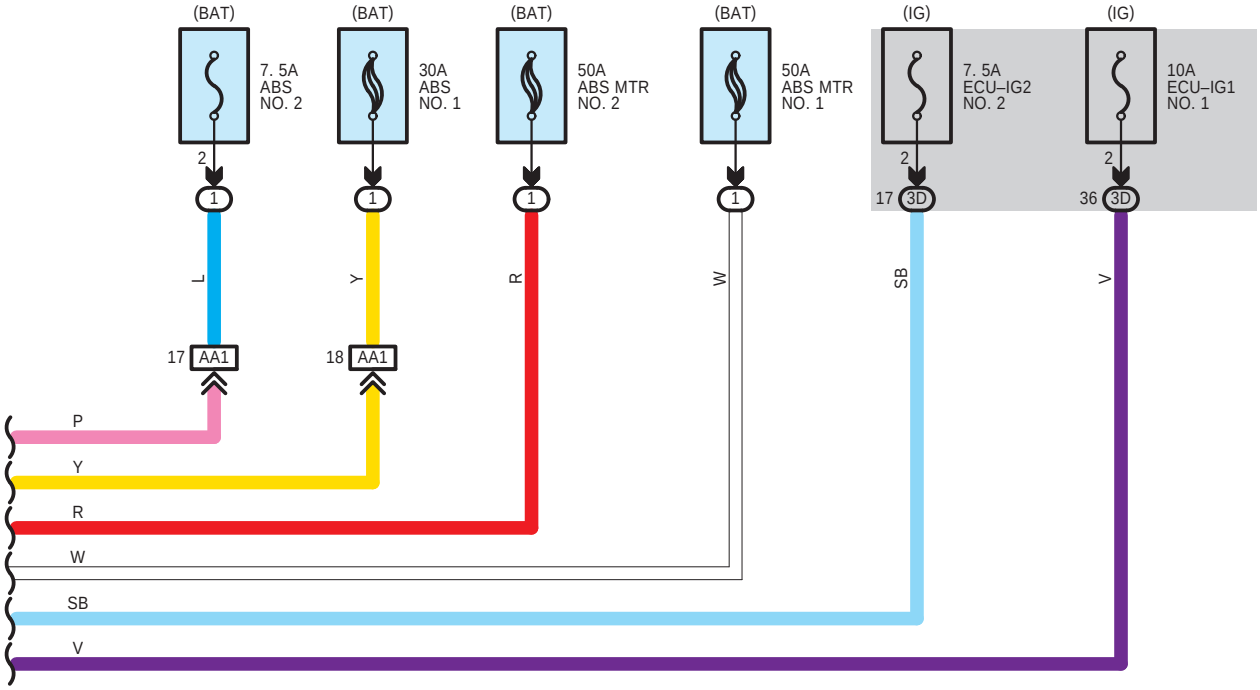

A22(A), D24(B)
ECM
CANP
CANN
GE01
M–
M+
VTA1
VCTA
VTA2
ETA
12 A
25 A
59 B
30 B
60 B
127 B
125 B
128 B
126 B
B
W
R
B
W
(Shielded)
Y
B
W
R
1
2
6
5
4
3
M–
M+
VTA
VC
VTA2
E2
M
IC1
IC2
D15
Throttle Body with Motor Assembly
H116(H), H117(B), H119(D),
H130(J), H131(G)
Junction Connector
2 H
1 H
1 J
2 J
1 D
2 D
1 B
2 B
1 G
2 G
W
R
B
W
L
W
G
W
BE
W
6
14
CANH
CANL
TC
13
H29
DLC3
W
R
B
W
B
W
W
W
B
W
B
W
G
V
V
SB
SB


A22(A), D24(B)
ECM
ETHW
THW
NE+
NE–
96 B
95 B
76 B
109 B
P
B
(Shielded)
B
W
1
E2
THW
2
D43
E. F. I. Engine Coolant Temperature Sensor
BR
1
2
D64
Crank Position Sensor
18 DA2
W–B
8 DA2
BR
BR
A24
Skid Control ECU with Actuator (Brake Booster with Master Cylinder Assembly)
CA1L
CA1H
CA2L
CA2H
38
37
34
35
W
GR
W
B
15 AA1
14 AA1
W
GR
17 HA3
16 HA3
W
BE
W
BE
W
B
W
W
G
G
V
V
SB
SB
D5

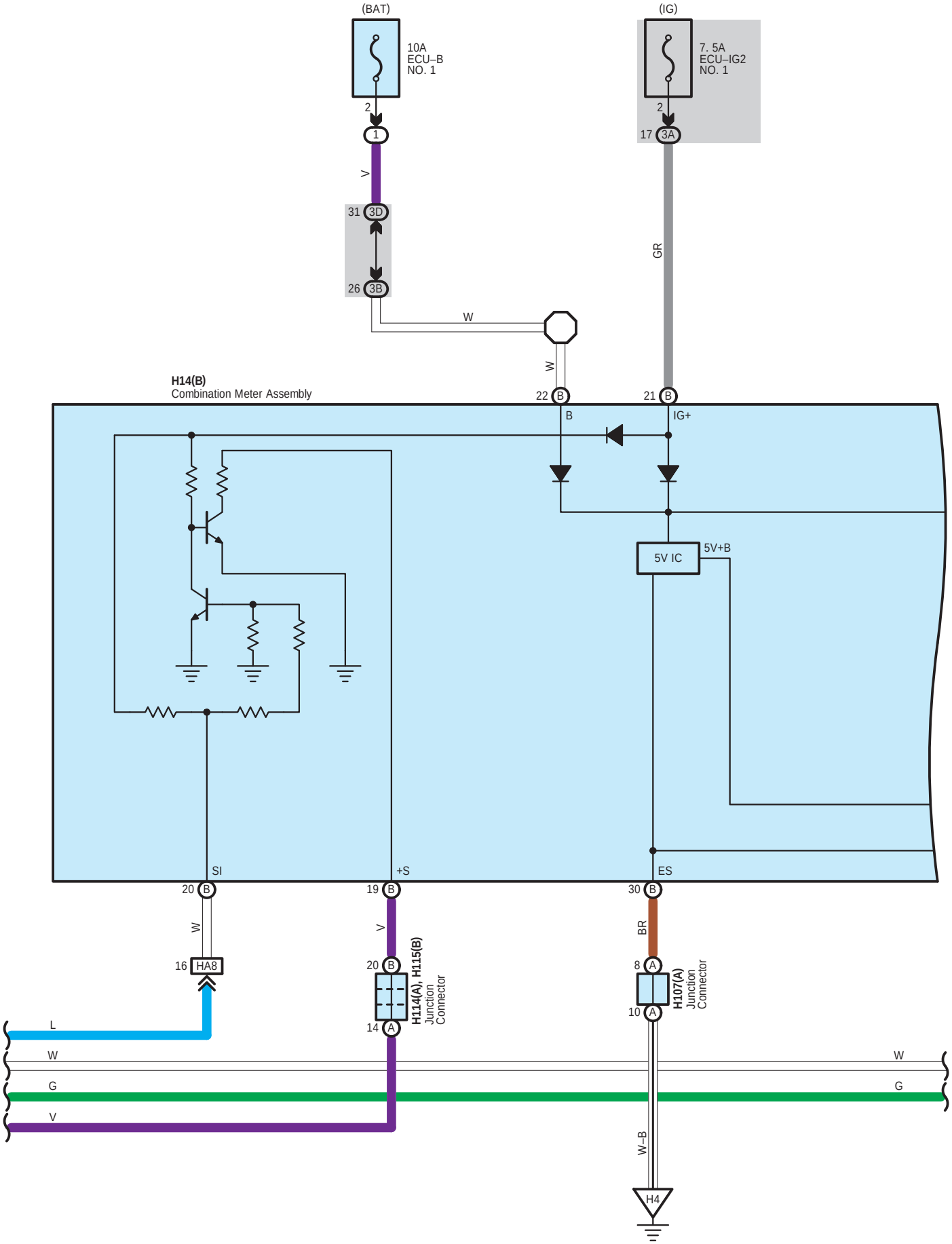

A24
Skid Control ECU with Actuator
(Brake Booster with Master Cylinder Assembly)
STP
VCSK
SKS
SKG
SKS2
33
39
42
41
40
SB
R
W
B
G
3
4
1
2
VCSK
SKS1
SKG
SKS2
Hall IC1
Hall IC2
A34
Brake Pedal Stroke Sensor Assembly
W
G
V
SB
W
G
V

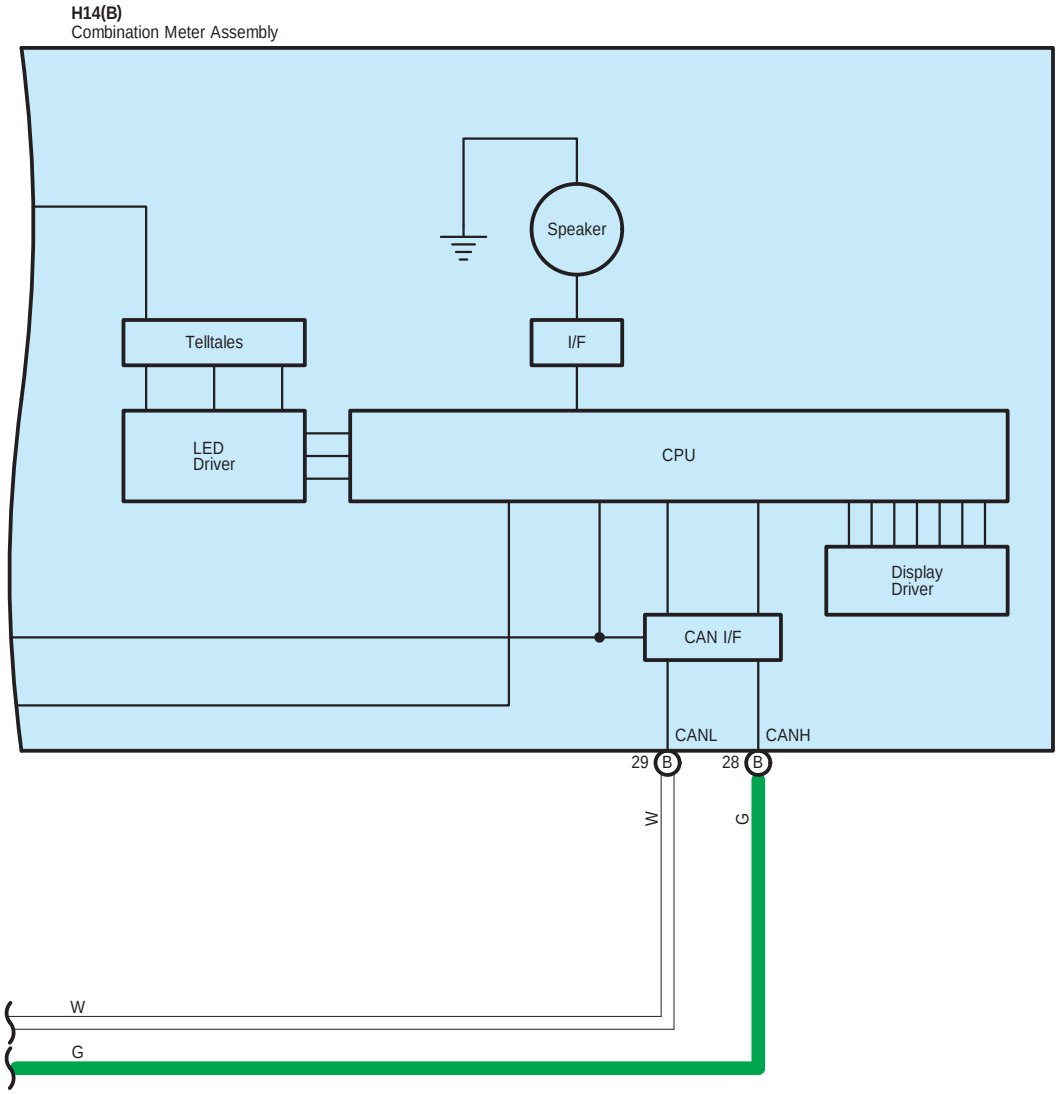

A24
Skid Control ECU with Actuator
(Brake Booster with Master Cylinder Assembly)
FL–
FL+
FR+
FR–
RL+
RL–
RR+
RR–
GND2
GND3
GND4
GND5
GND6
32
31
18
5
20
7
22
9
27
26
25
24
23
W
B
B
W
R
G
W
B
W–B
W–B
W–B
W–B
W–B
Front
Speed Sensors
Rear
Speed Sensors
W–B
1
AA1
W–B
W
G
V
W
G
V
A1


A24
Skid Control ECU with Actuator
(Brake Booster with Master Cylinder Assembly)
MRO1
MRO2
SP1
IG1
IG2
MRI1
MRI2
BS
BI
29
30
11
16
12
1
2
15
14
B
L
L
SB
SB
W
R
Y
P
16
AA1
V
P
Y
R
W
SB
V
2
A
2
B
BM1
BM2
M
GND2
GND1
1
B
4
A
A38(A), A39(B)
Brake Booster Pump Assembly
W–B
W–B
L
W
W
G
G
V
V
A3


(BAT)
7. 5A
ABS
NO. 2
(BAT)
30A
ABS
NO. 1
(BAT)
50A
ABS MTR
NO. 2
(BAT)
50A
ABS MTR
NO. 1
(IG)
7. 5A
ECU–IG2
NO. 2
(IG)
10A
ECU–IG1
NO. 1
2
1
17 3D
36 3D
L
Y
R
W
SB
V
17 AA1
18 AA1
P
Y
R
W
SB
V

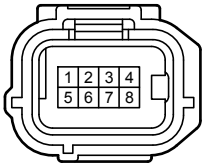
L
L
W
W
G
G
V
V


(BAT)
10A
ECU–B
NO. 1
2
1
V
31 3D
26 3B
W
(IG)
7. 5A
ECU–IG2
NO. 1
2
17 3A
GR
W
H14(B)
Combination Meter Assembly
22 B
21 B
B
IG+
5V IC
5V+B
SI
+S
ES
20 B
19 B
30 B
W
V
BR
16 HA8
20 B
14 A
H114(A), H115(B)
Junction
Connector
8 A
10 A
H107(A)
Junction
Connector
L
W
G
V
W
G
W–B
H4

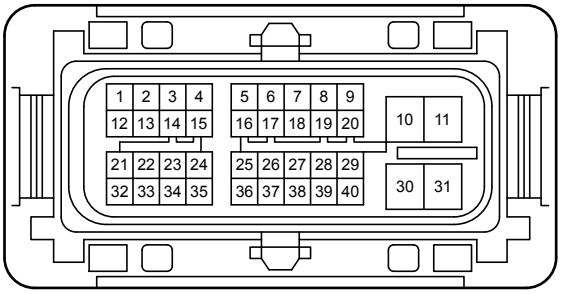

H14(B)
Combination Meter Assembly
Speaker
Telltales
I/F
LED
Driver
CPU
Display
Driver
CAN I/F
CANL
CANH
29
B
28
B
W
G
W
G

A 3
Black

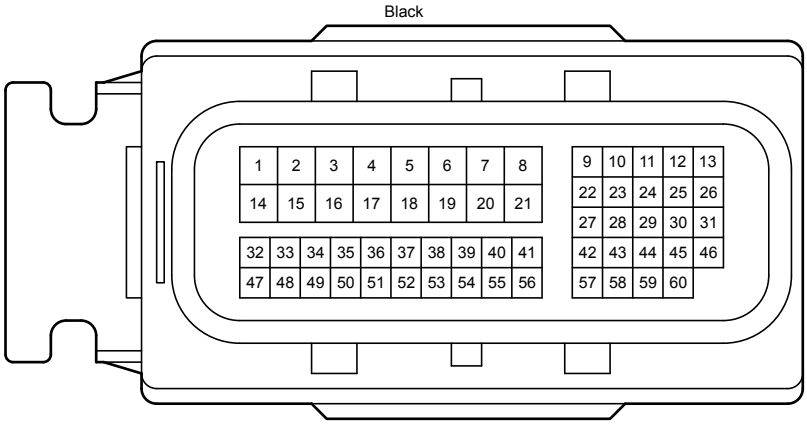
A 13
Gray



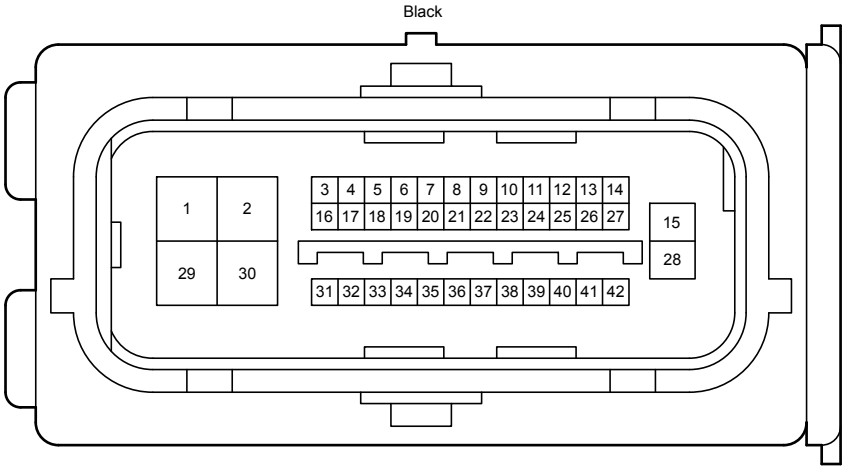
A 14
Black



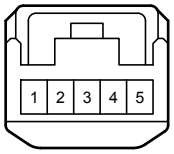
A 22
Black



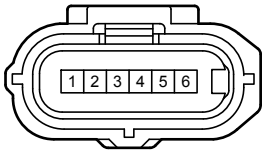
A 24
Black



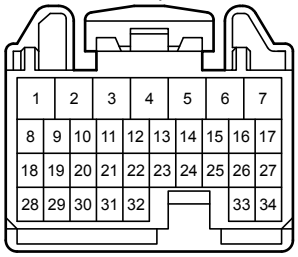
A 28
White



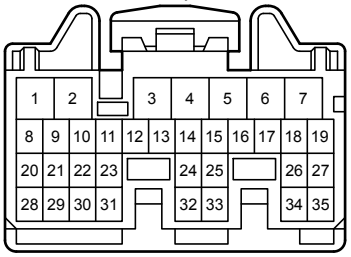
A 30
Black



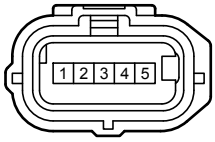
A 31
Gray



A 33
Gray



A 34
Black



A 38
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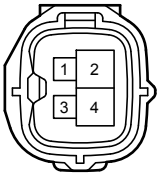

A 39
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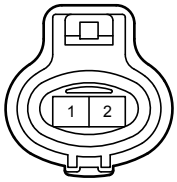
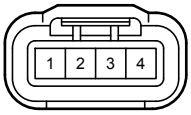
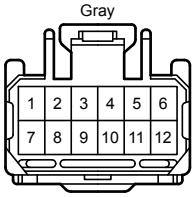


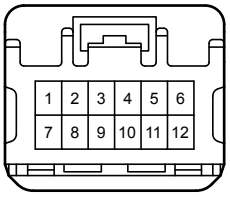
A 41
Black



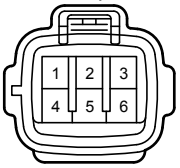
A 61
Gray



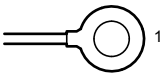
A 62
White



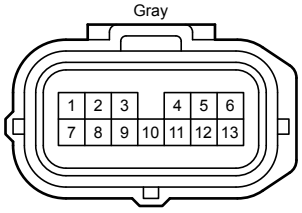
A 63
Gray



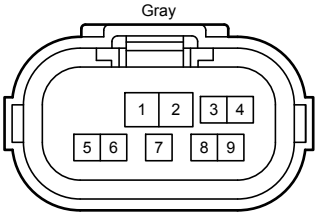
B 1



D 3
Gray

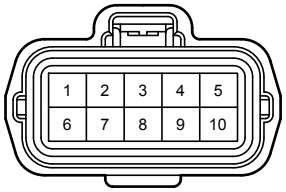


D 10
Gray



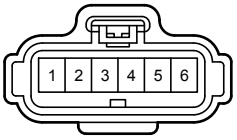
D 11
Gray

D 12
Gray

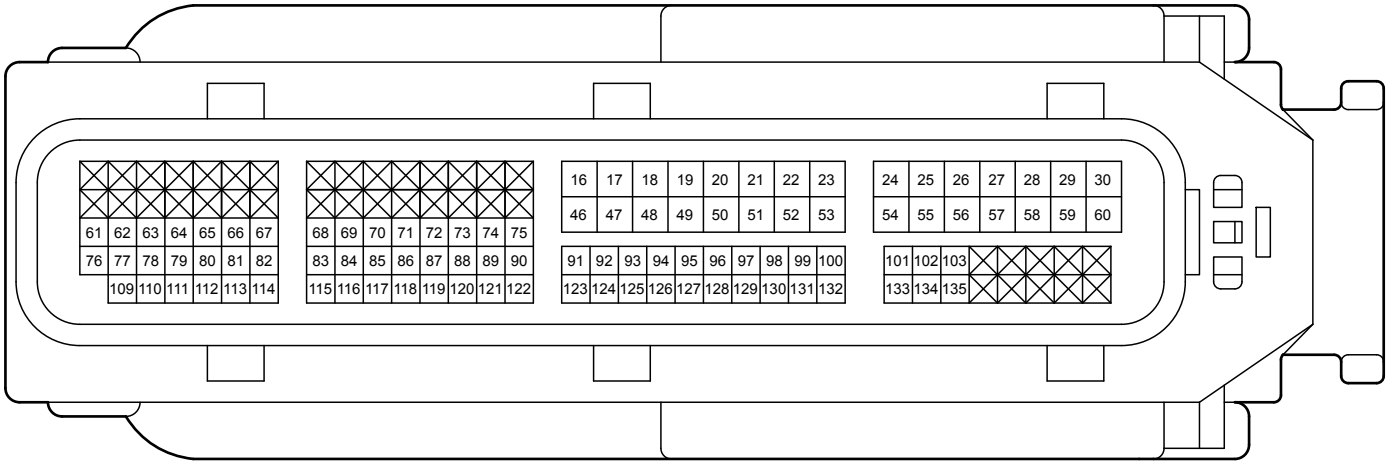


D 14
Gray

D 15
Black

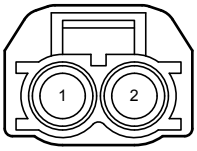


D 24
Black

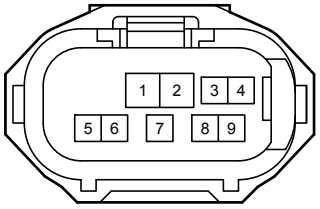


D 43
Black

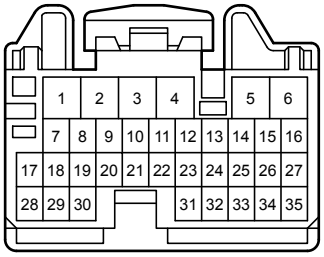
D 64
Black



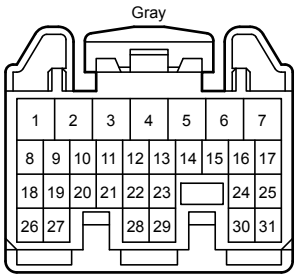
D 65
Gray



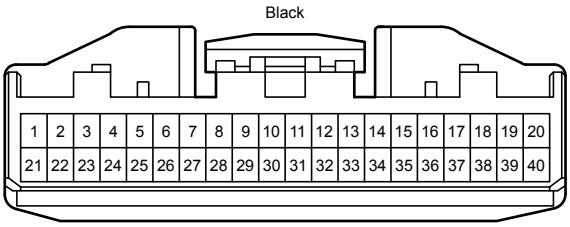
H 1
Gray



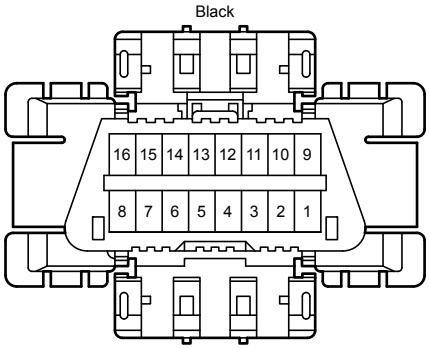
H 2
Gray



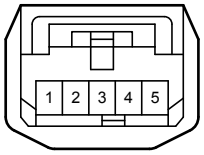
H 14
Black



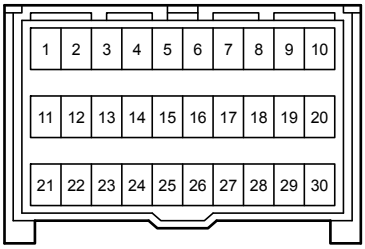
H 29
Black



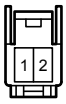
H 33
White



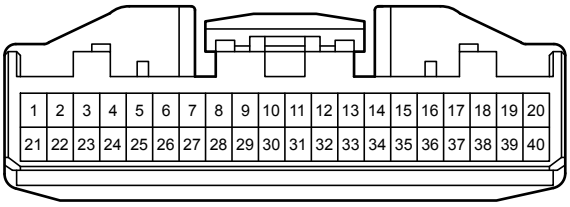
H 36
Yellow



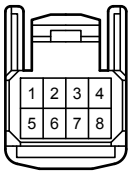
H 43
Black



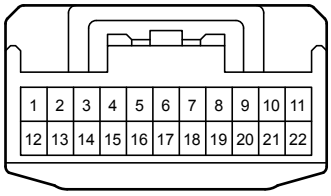
H 54
White



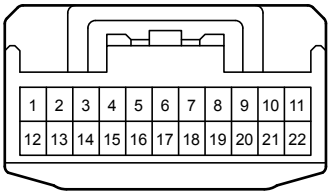
H 71
Black



H107
Gray



H114
Black



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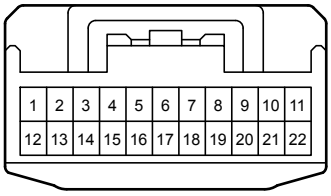
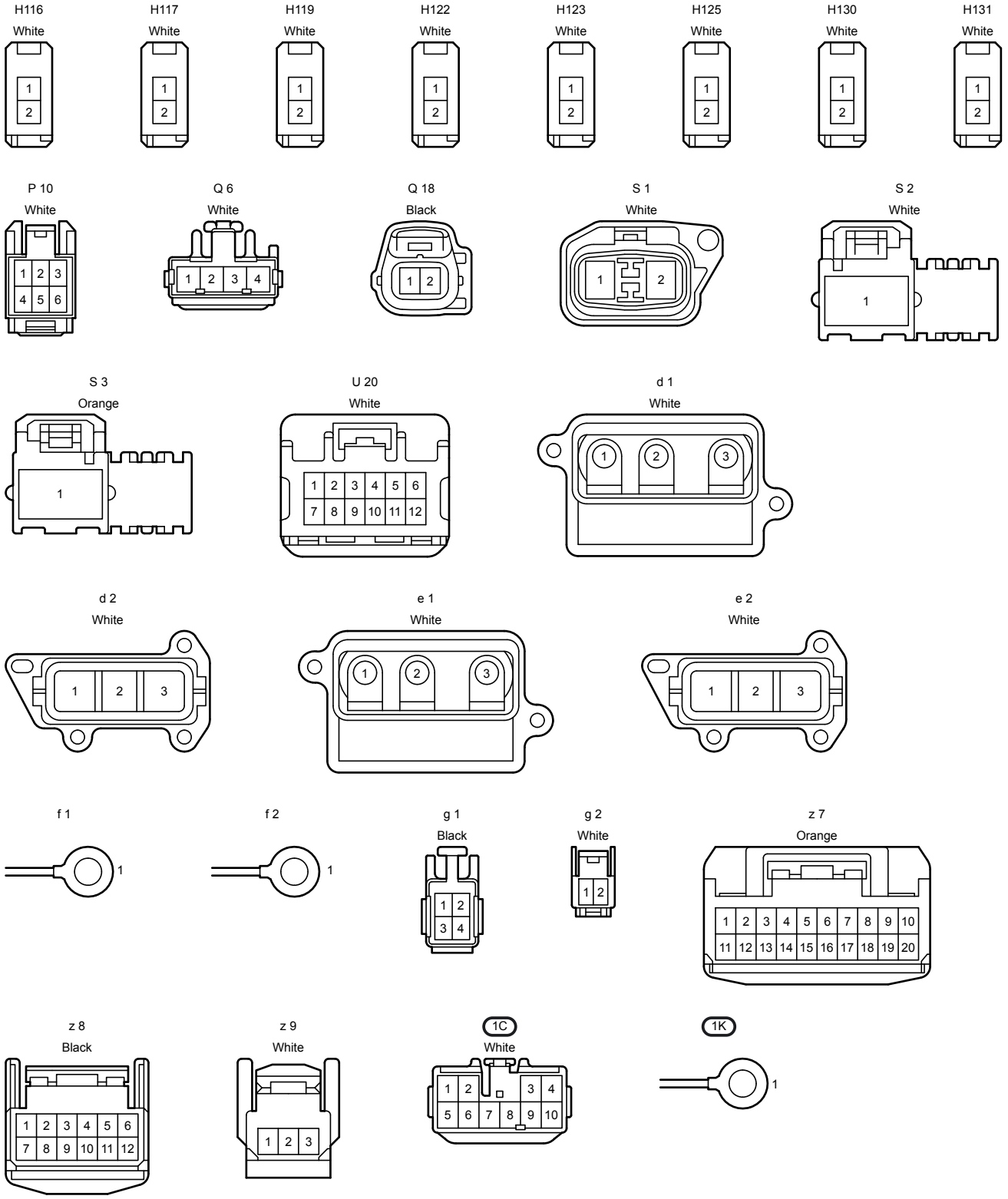
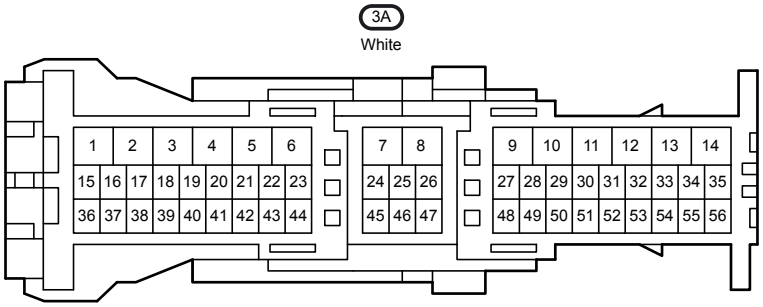
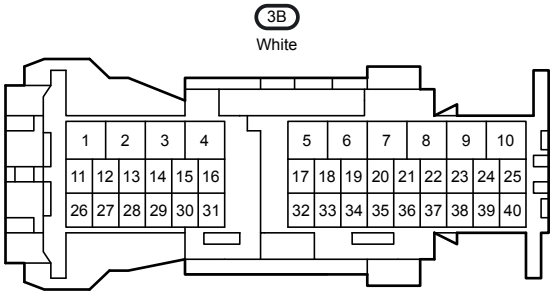
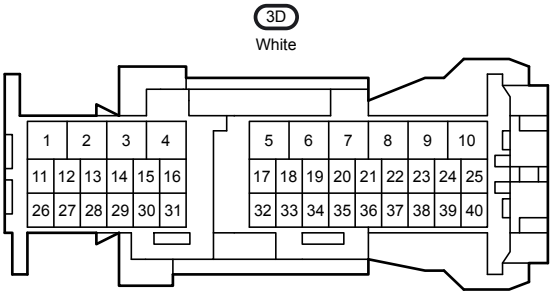
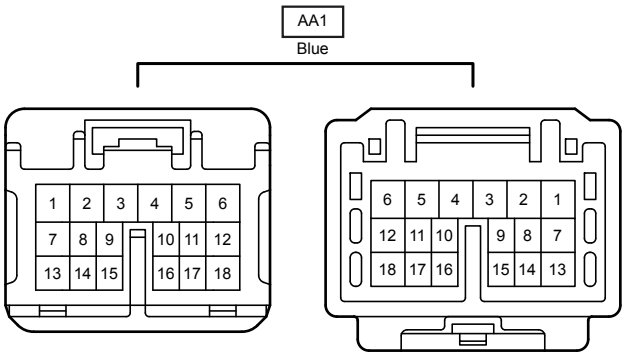


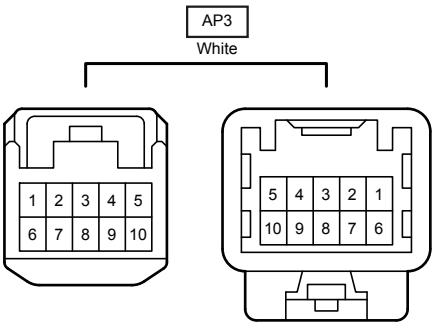

H116
White
H117
White
H119
White
H122
White
H123
White
H125
White
H130
White
H131
White
P 10
White
Q 6
White
Q 18
Black
S 1
White
S 2
White
S 3
Orange
U 20
White
d 1
White
d 2
White
e 1
White
e 2
White
f 1
f 2
g 1
Black
g 2
White
z 7
Orange
z 8
Black
z 9
White
1C
White
1K

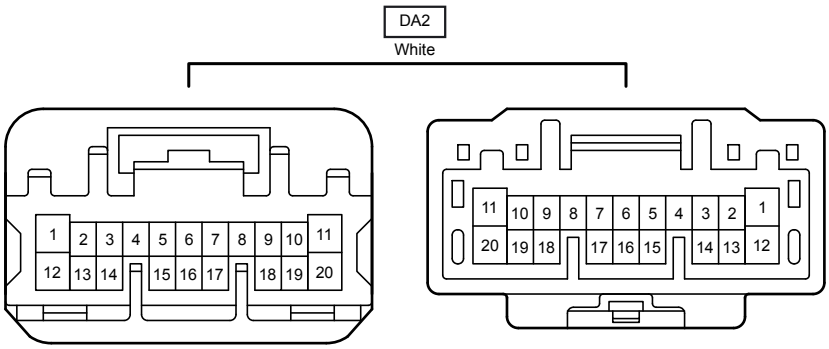

3A
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56

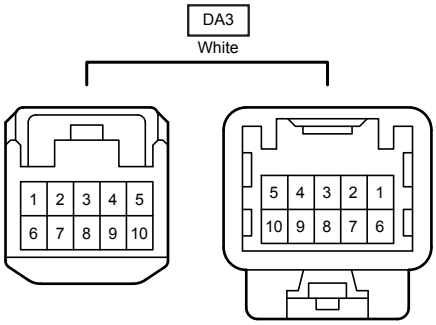

3B
White
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40


3D
White
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

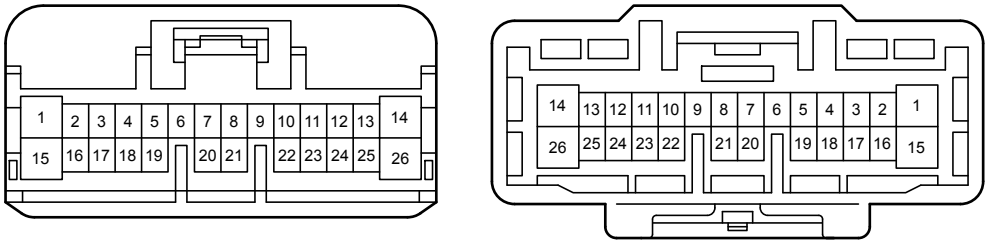

AA1
Blue
1 2 3 4 5 6
7 8 9 10 11 12
13 14 15 16 17 18
6 5 4 3 2 1
12 11 10 9 8 7
18 17 16 15 14 13


AP3
White
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6

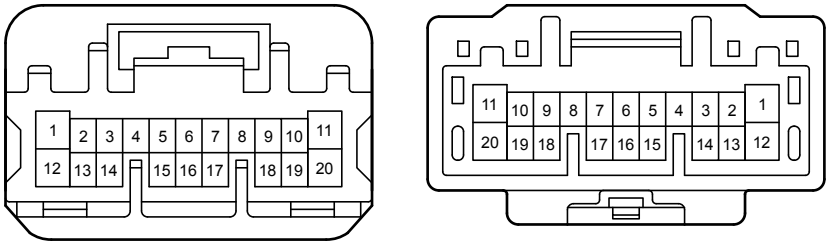

DA2
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12


DA3
White
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6

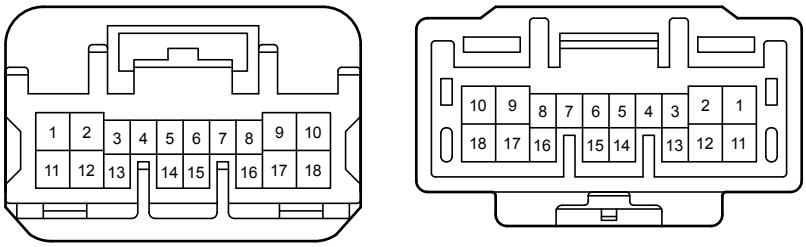
HA2
Blue



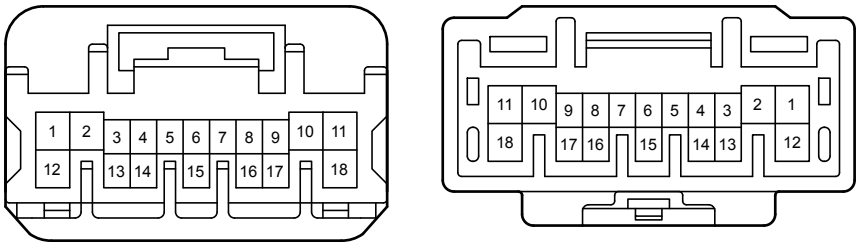
HA3
Gray



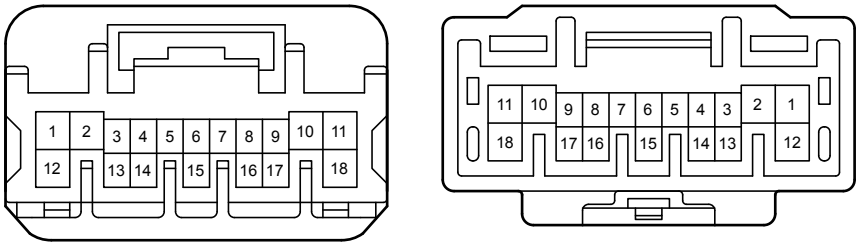
HA8
Gray

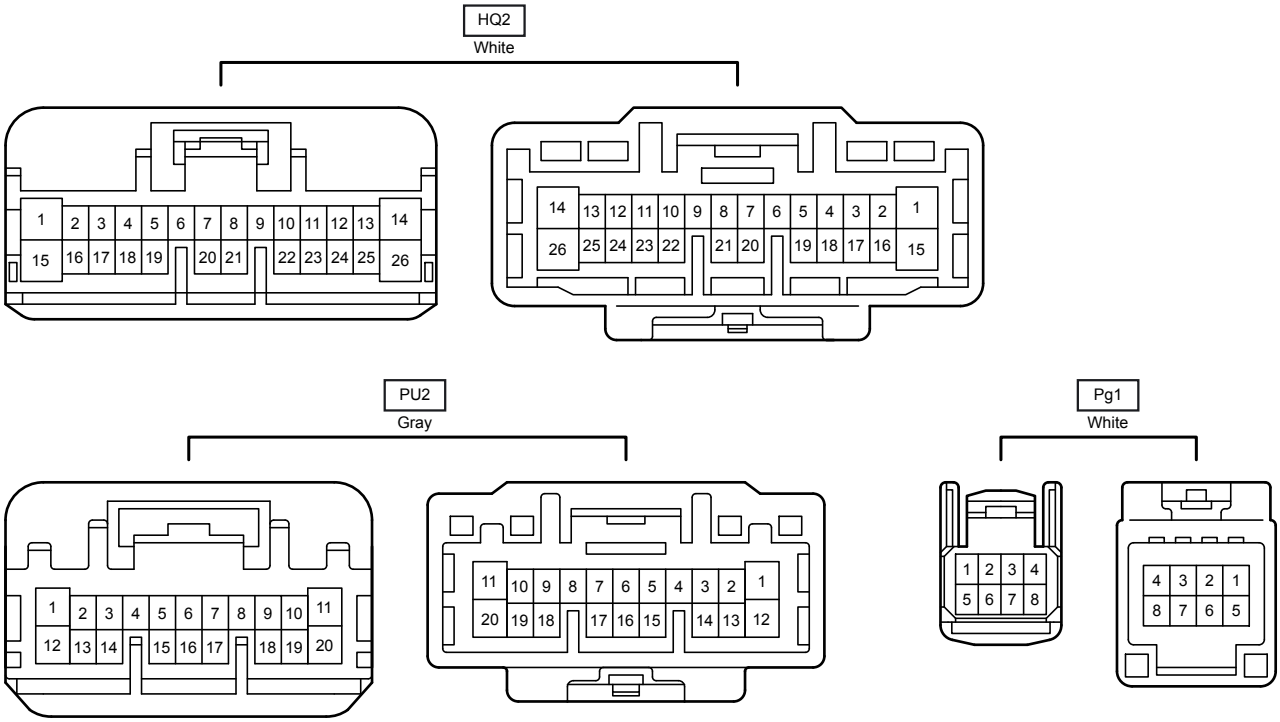


HP1
White



HQ1
White




HQ2
White
1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15
PU2
Gray
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12
Pg1
White
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5