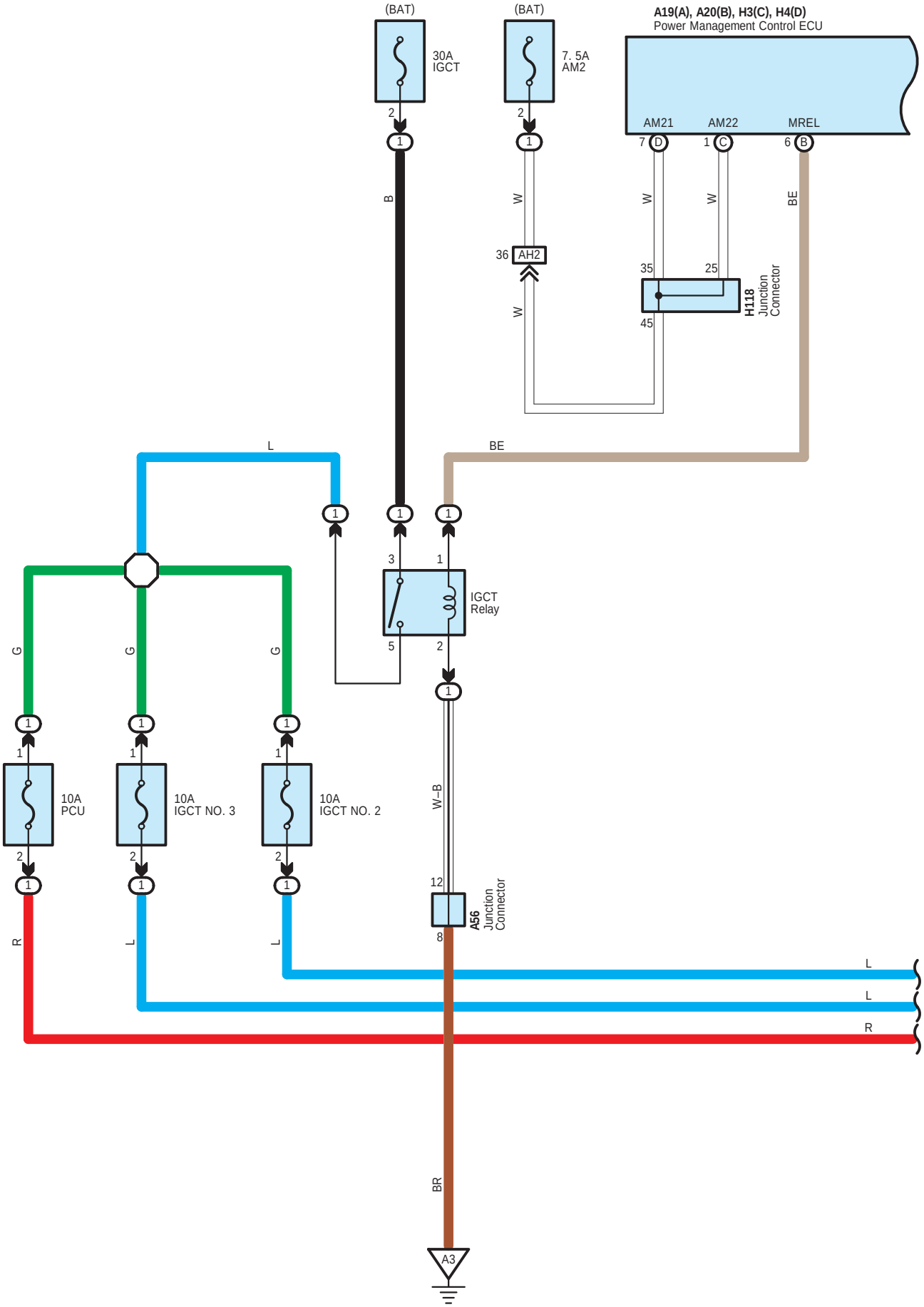
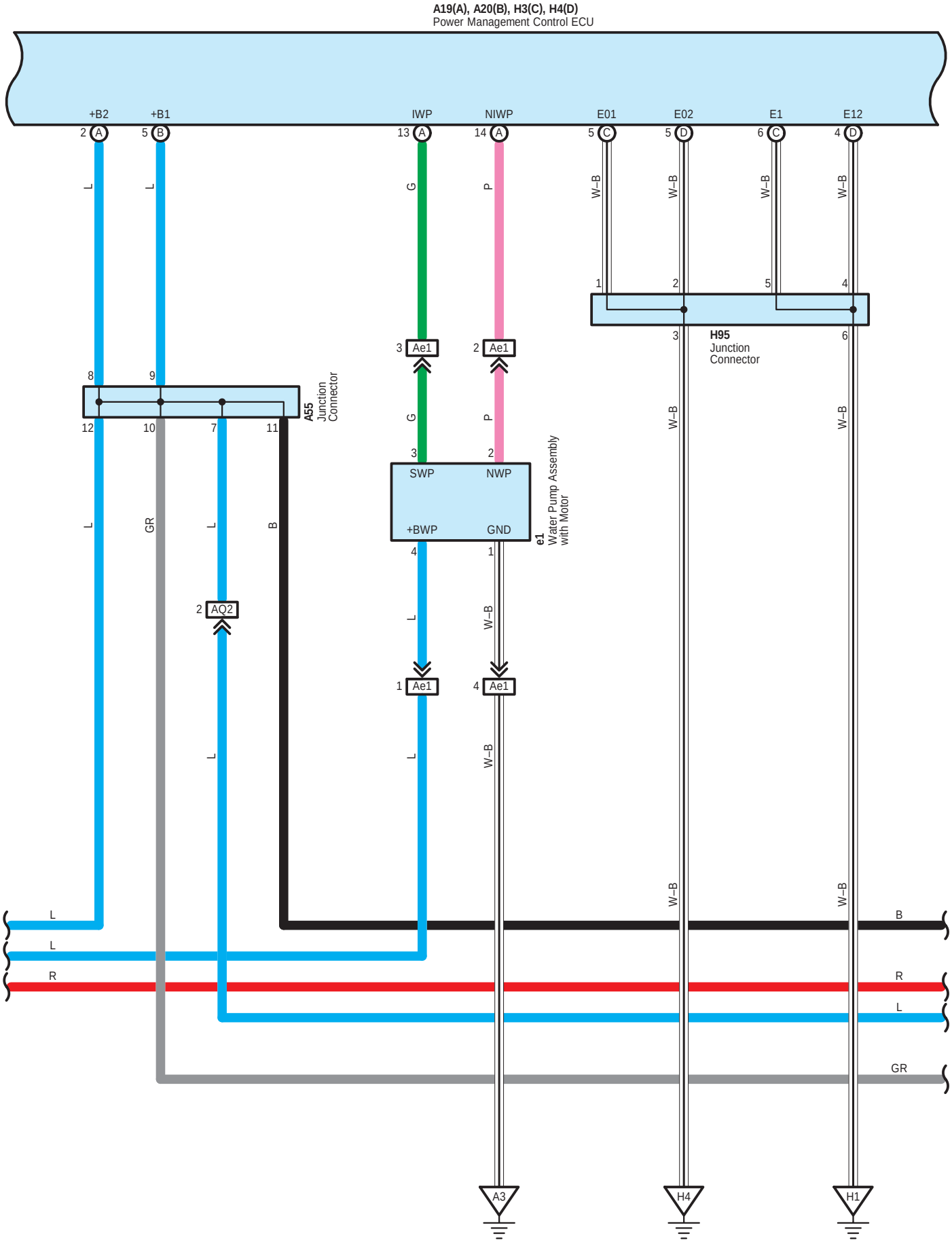
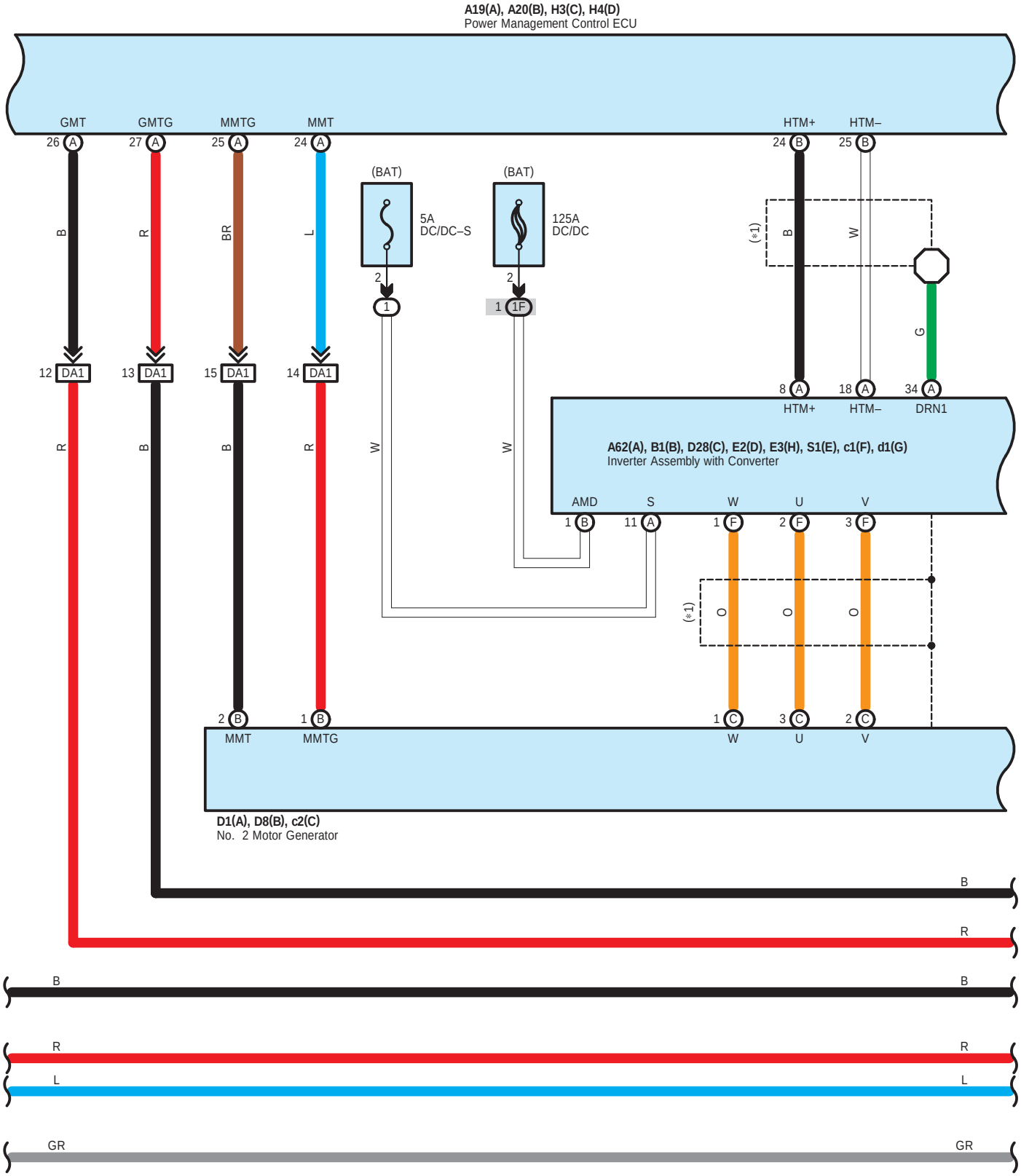
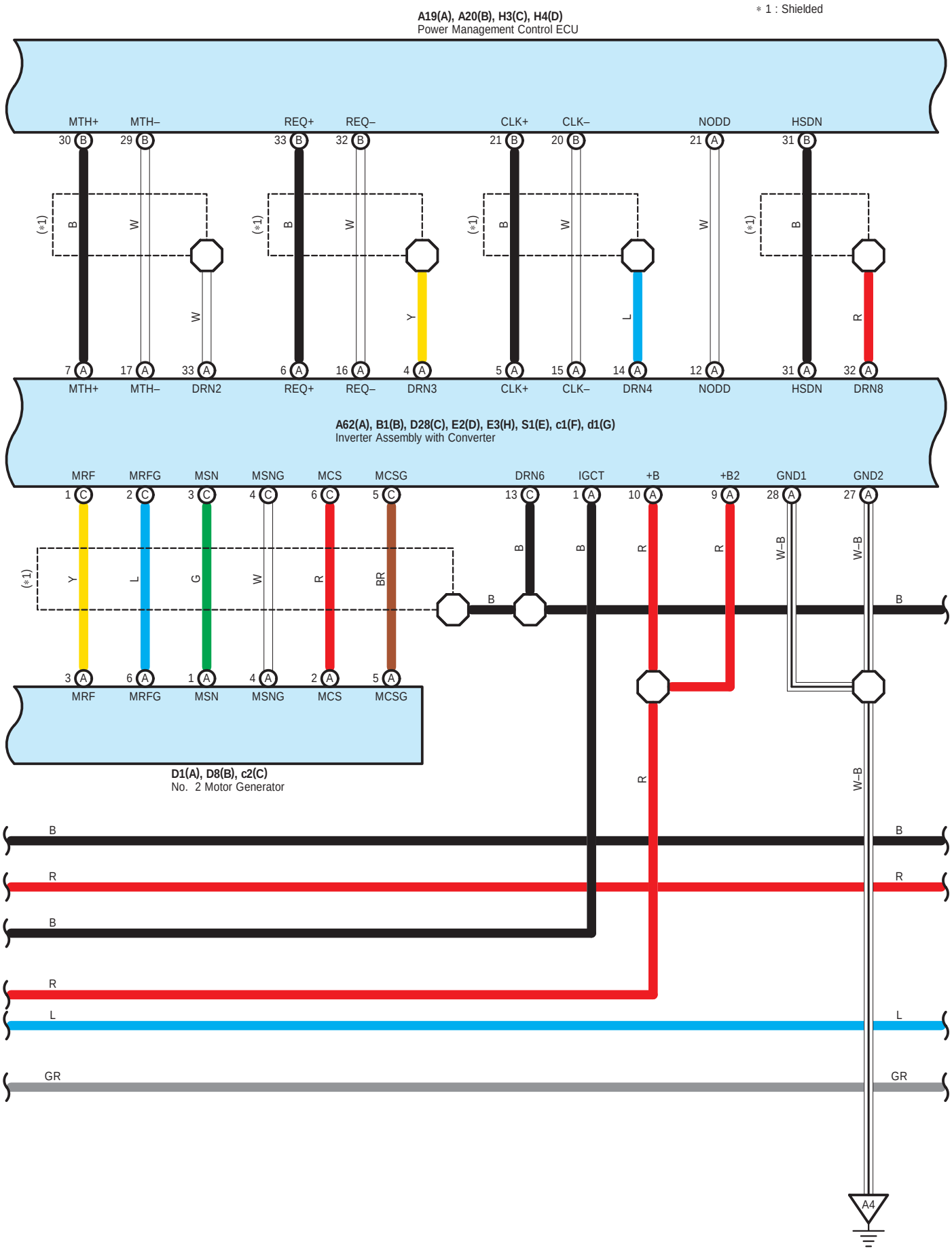
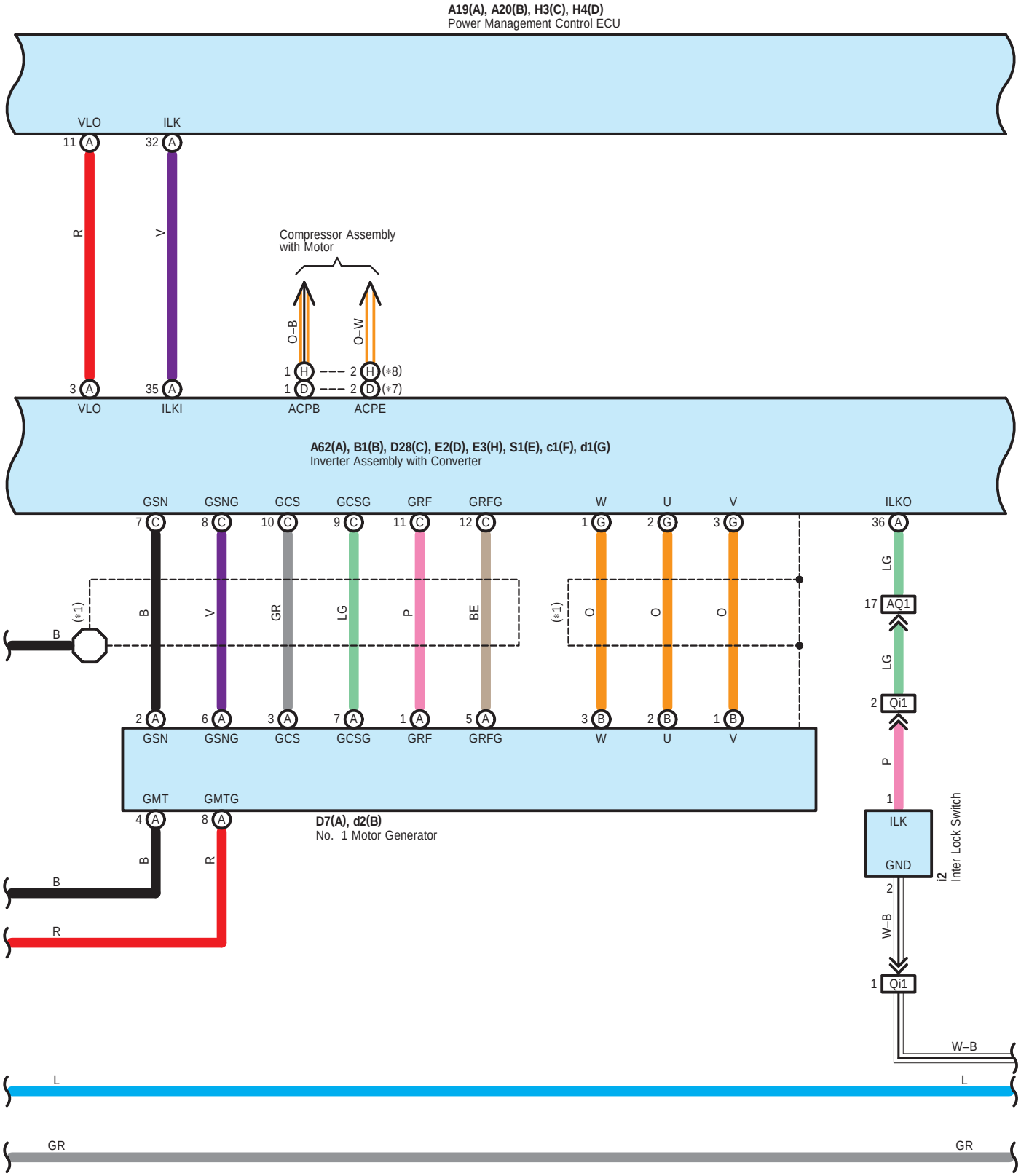
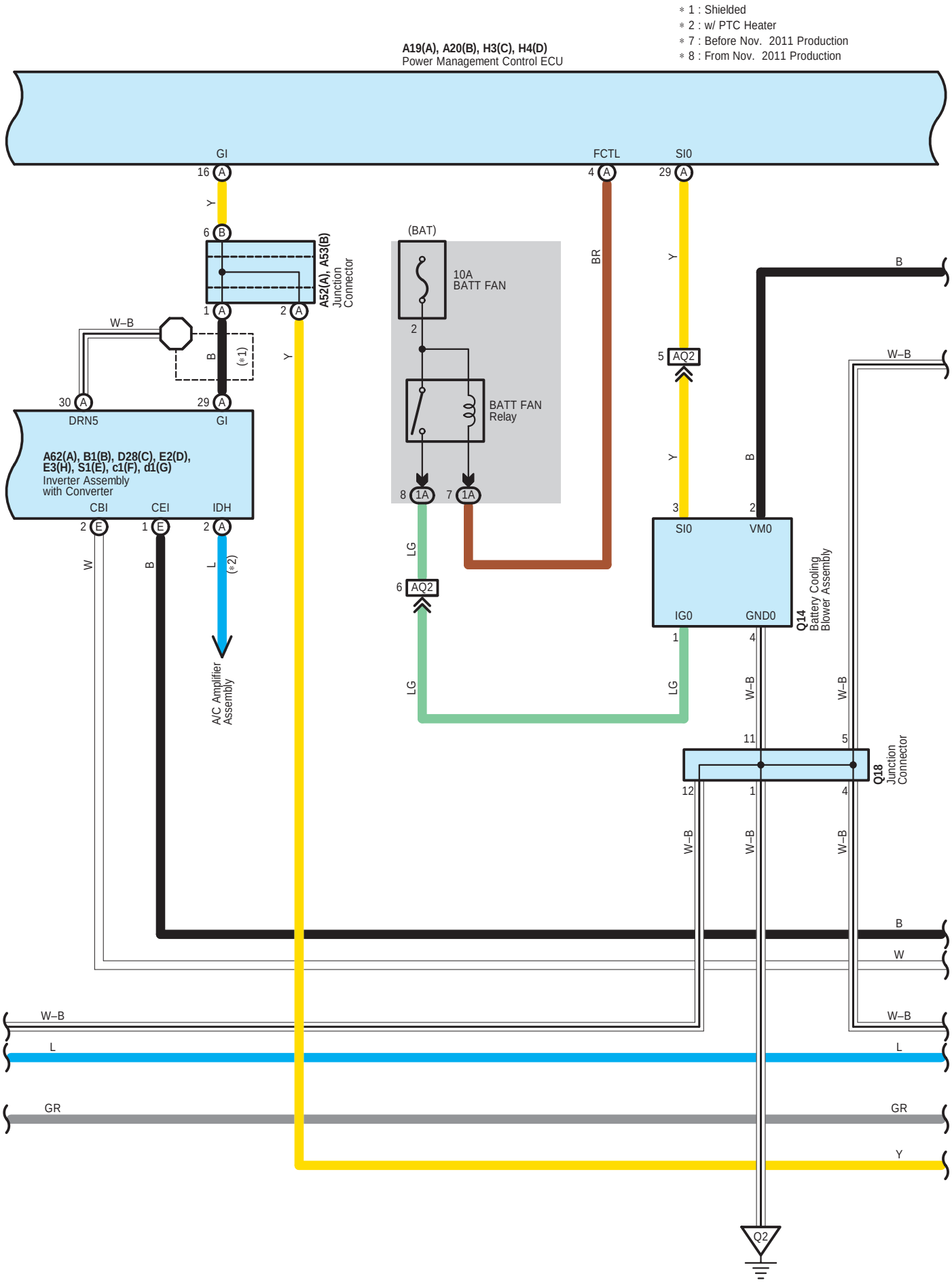

(BAT)
30A
IGCT
(BAT)
7. 5A
AM2
A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
AM21
AM22
MREL
7 D
1 C
6 B
B
W
W
W
BE
36 AH2
35
25
45
H118
Junction
Connector
W
L
BE
3
1
5
2
IGCT
Relay
G
G
G
10A
PCU
10A
IGCT NO. 3
10A
IGCT NO. 2
W–B
12
8
A56
Junction
Connector
R
L
L
L
L
R
BR
A3

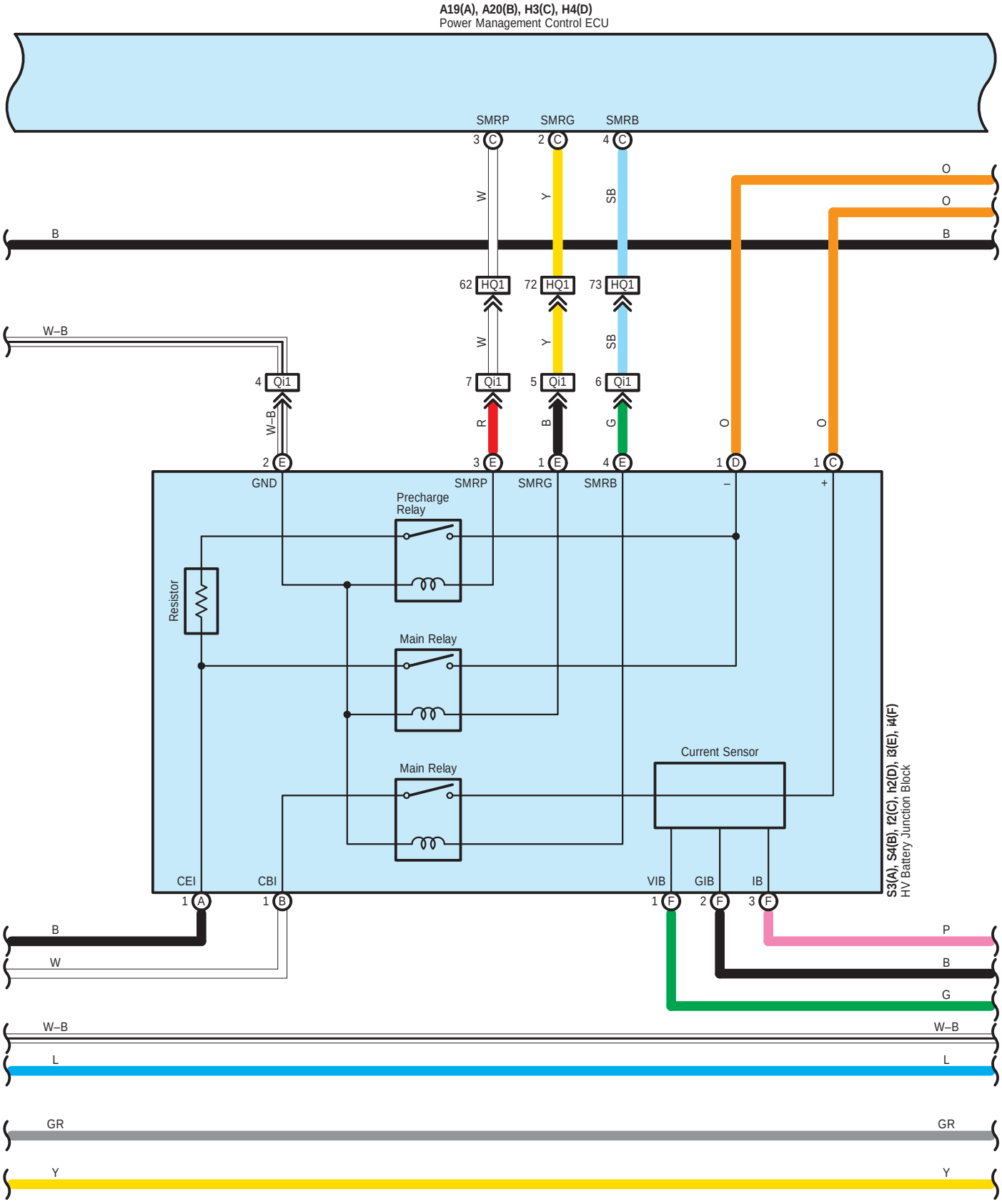

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
+B2
+B1
IWP
NIWP
E01
E02
E1
E12
A55
Junction
Connector
H95
Junction
Connector
Ae1
AQ2
SWP
NWP
+BWP
GND
e1
Water Pump Assembly
with Motor
A3
H4
H1

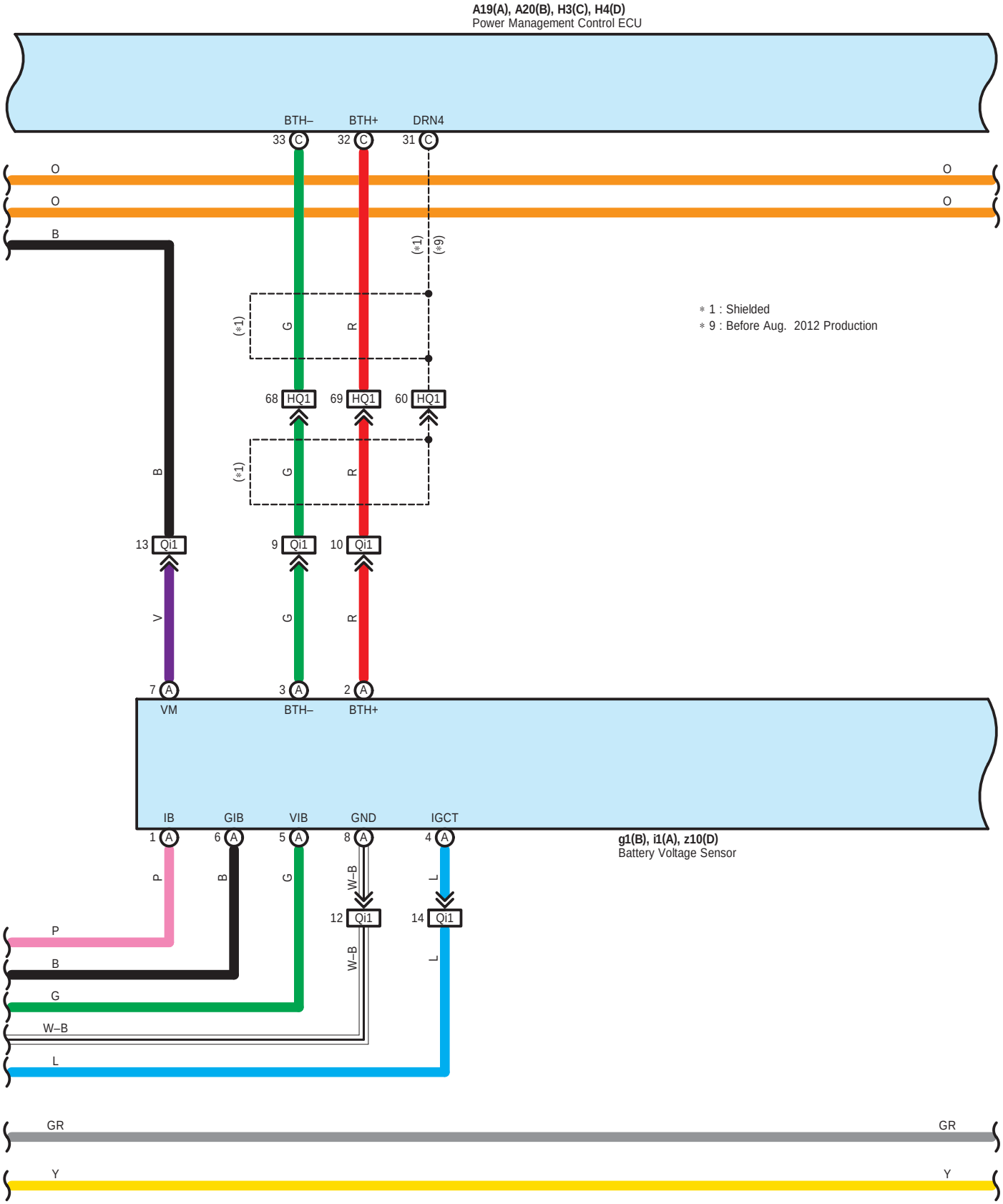

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
GMT
GMTG
MMTG
MMT
HTM+
HTM–
26 A
27 A
25 A
24 A
24 B
25 B
(BAT)
(BAT)
5A
DC/DC–S
125A
DC/DC
2
1
2
1 1F
(*1)
B
W
G
B
R
BR
L
12 DA1
13 DA1
15 DA1
14 DA1
8 A
18 A
34 A
HTM+
HTM–
DRN1
R
B
B
R
W
W
A62(A), B1(B), D28(C), E2(D), E3(H), S1(E), c1(F), d1(G)
Inverter Assembly with Converter
AMD
S
W
U
V
1 B
11 A
1 F
2 F
3 F
(*1)
O
O
O
2 B
1 B
1 C
3 C
2 C
MMT
MMTG
W
U
V
D1(A), D8(B), c2(C)
No. 2 Motor Generator
B
R
B
B
R
R
L
L
GR
GR

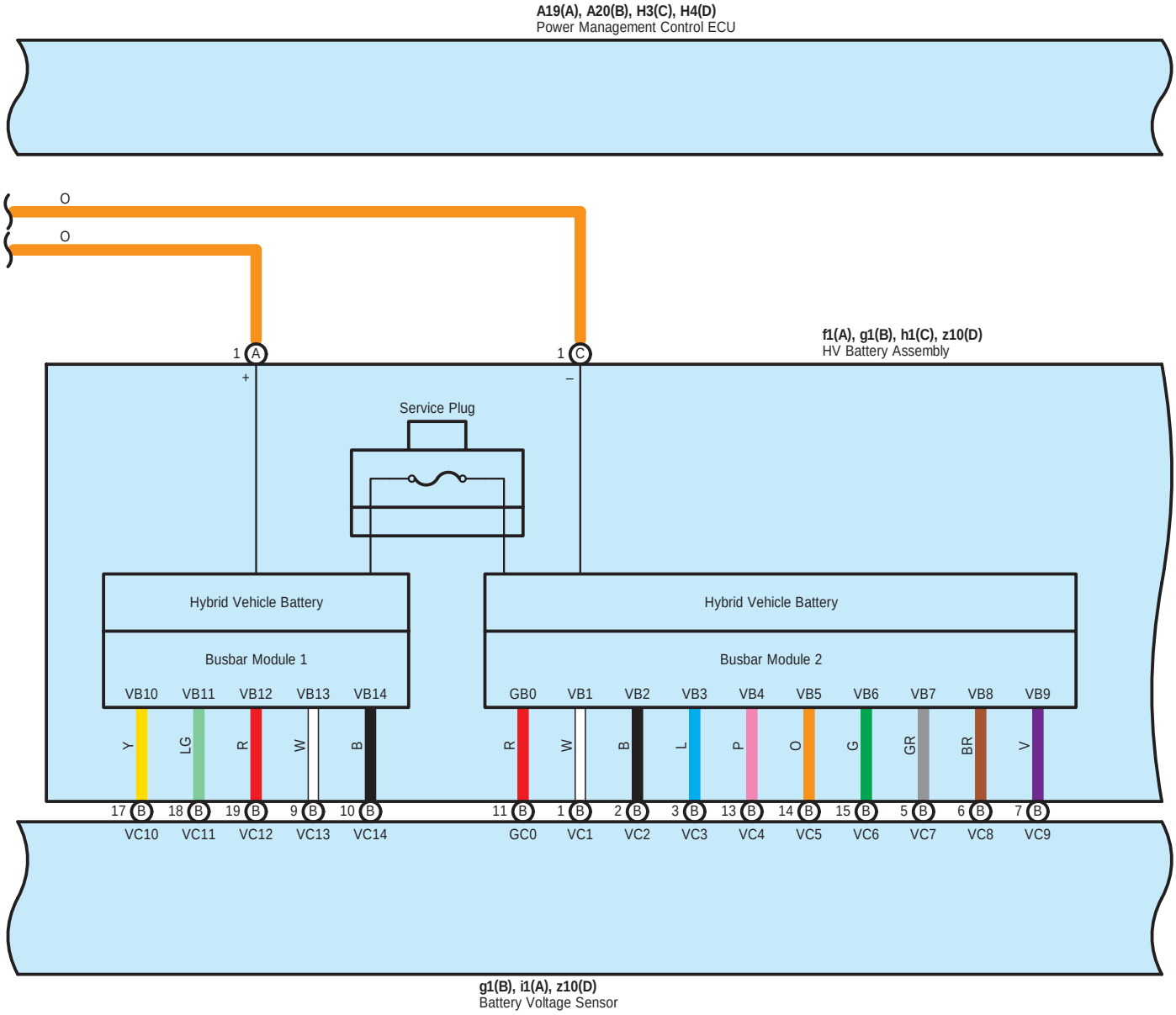

* 1 : Shielded
A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
MTH+ 30 B
MTH– 29 B
REQ+ 33 B
REQ– 32 B
CLK+ 21 B
CLK– 20 B
NODD 21 A
HSDN 31 B
(*1)
B
W
Y
L
R
7 A MTH+
17 A MTH–
33 A DRN2
6 A REQ+
16 A REQ–
4 A DRN3
5 A CLK+
15 A CLK–
14 A DRN4
12 A NODD
31 A HSDN
32 A DRN8
A62(A), B1(B), D28(C), E2(D), E3(H), S1(E), c1(F), d1(G)
Inverter Assembly with Converter
MRF 1 C
MRFG 2 C
MSN 3 C
MSNG 4 C
MCS 6 C
MCSG 5 C
DRN6 13 C
IGCT 1 A
+B 10 A
+B2 9 A
GND1 28 A
GND2 27 A
G
BR
W–B
3 A MRF
6 A MRFG
1 A MSN
4 A MSNG
2 A MCS
5 A MCSG
D1(A), D8(B), c2(C)
No. 2 Motor Generator
A4


A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
VLO
ILK
11 A
32 A
R
V
Compressor Assembly
with Motor
O–B
O–W
1 H
2 H (*8)
1 D
2 D (*7)
3 A
35 A
VLO
ILKI
ACPB
ACPE
A62(A), B1(B), D28(C), E2(D), E3(H), S1(E), c1(F), d1(G)
Inverter Assembly with Converter
GSN
GSNG
GCS
GCSG
GRF
GRFG
W
U
V
ILKO
7 C
8 C
10 C
9 C
11 C
12 C
1 G
2 G
3 G
36 A
LG
17 AQ1
(*1)
B
V
GR
LG
P
BE
O
O
O
B
LG
2 Qi1
2 A
6 A
3 A
7 A
1 A
5 A
3 B
2 B
1 B
GSN
GSNG
GCS
GCSG
GRF
GRFG
W
U
V
P
GMT
GMTG
4 A
8 A
D7(A), d2(B)
No. 1 Motor Generator
1
ILK
GND
i2
Inter Lock Switch
B
R
2
W–B
1 Qi1
W–B
L
L
GR
GR

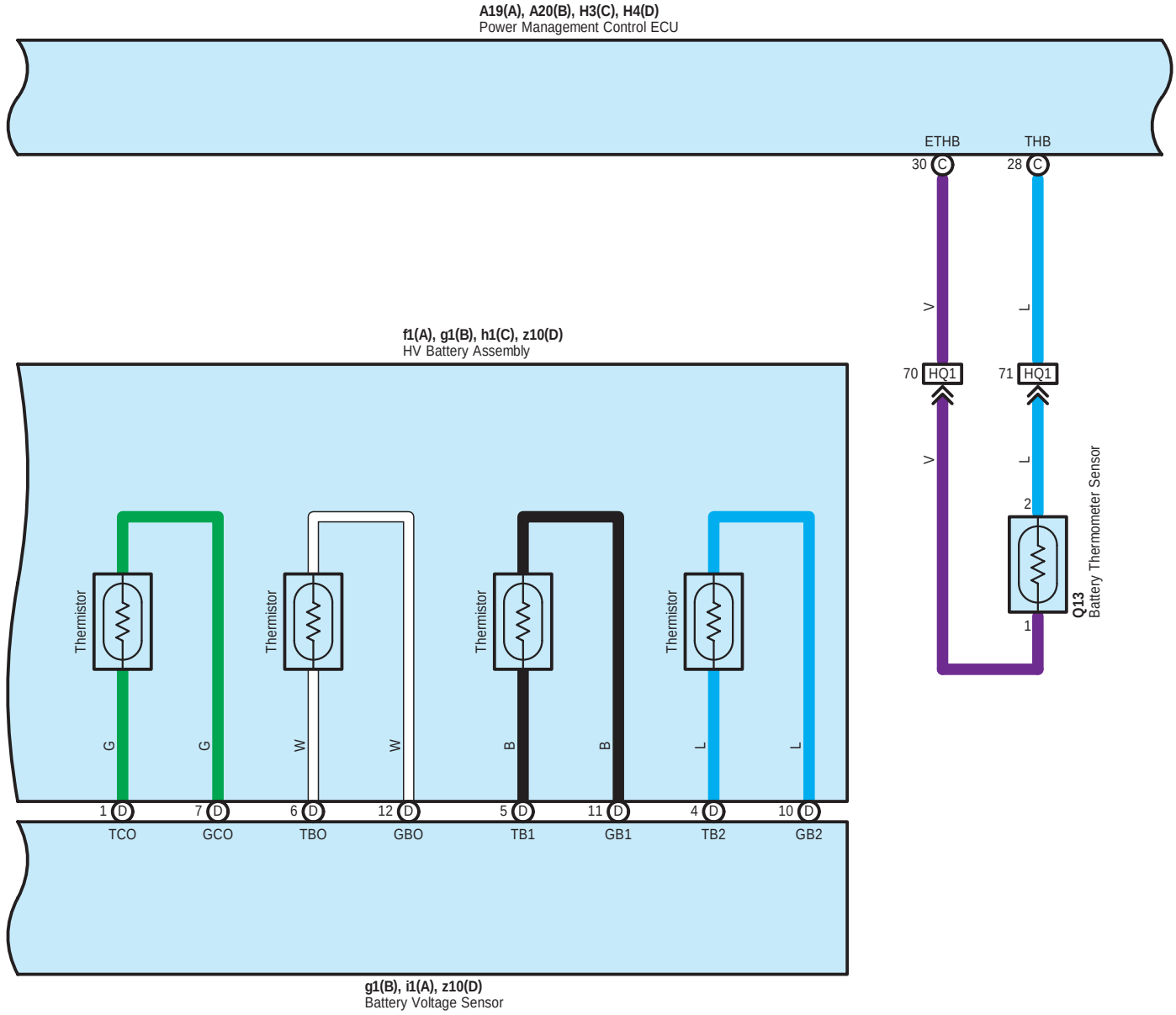

* 1 : Shielded
* 2 : w/ PTC Heater
* 7 : Before Nov. 2011 Production
* 8 : From Nov. 2011 Production
A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
GI
FCTL
SI0
A52(A), A53(B)
Junction
Connector
(BAT)
10A
BATT FAN
BATT FAN
Relay
W–B
(*1)
DRN5
GI
A62(A), B1(B), D28(C), E2(D),
E3(H), S1(E), c1(F), d1(G)
Inverter Assembly
with Converter
CBI
CEI
IDH
(*2)
A/C Amplifier
Assembly
AQ2
SI0
VM0
IG0
GND0
Q14
Battery Cooling
Blower Assembly
Q18
Junction
Connector
Q2


A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
SMRP
SMRG
SMRB
3 C
2 C
4 C
W
Y
SB
O
O
B
B
62 HQ1
72 HQ1
73 HQ1
W–B
4 Qi1
7 Qi1
5 Qi1
6 Qi1
W–B
R
B
G
O
O
2 E
3 E
1 E
4 E
1 D
1 C
GND
SMRP
SMRG
SMRB
–
+
Precharge Relay
Resistor
Main Relay
Main Relay
Current Sensor
CEI
CBI
VIB
GIB
IB
1 A
1 B
1 F
2 F
3 F
S3(A), S4(B), f2(C), h2(D), i3(E), i4(F)
HV Battery Junction Block
B
W
P
B
G
W–B
W–B
L
L
GR
GR
Y
Y

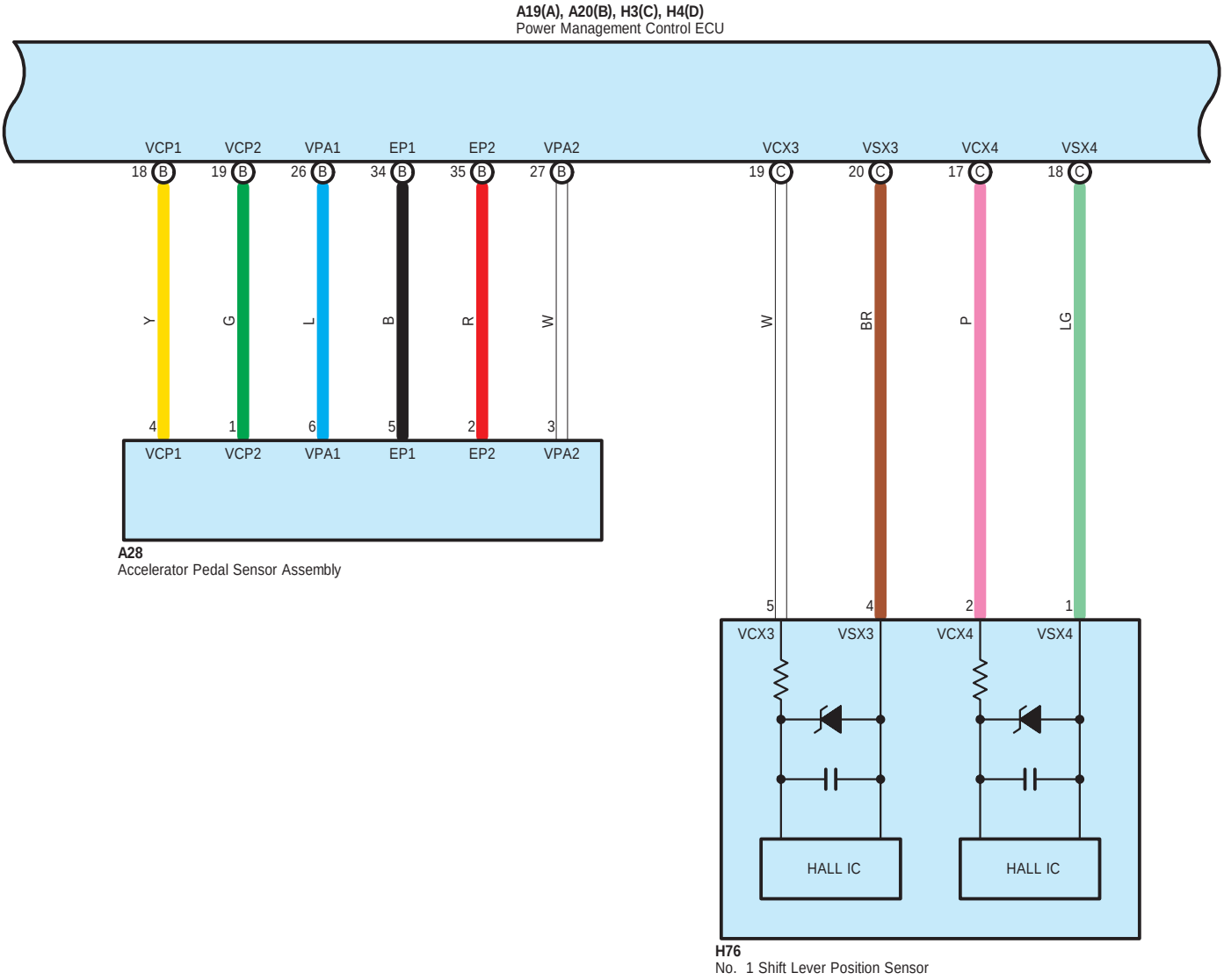

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
BTH–
BTH+
DRN4
33 C
32 C
31 C
O
O
O
O
B
(*1)
(*9)
(*1)
G
R
68 HQ1
69 HQ1
60 HQ1
(*1)
G
R
B
13 Qi1
9 Qi1
10 Qi1
V
G
R
7 A
3 A
2 A
VM
BTH–
BTH+
IB
GIB
VIB
GND
IGCT
1 A
6 A
5 A
8 A
4 A
P
B
G
W–B
L
12 Qi1
14 Qi1
W–B
L
P
B
G
W–B
L
GR
GR
Y
Y
* 1 : Shielded
* 9 : Before Aug. 2012 Production
g1(B), i1(A), z10(D)
Battery Voltage Sensor


A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
O
O
1 A
+
1 C
–
f1(A), g1(B), h1(C), z10(D)
HV Battery Assembly
Service Plug
Hybrid Vehicle Battery
Busbar Module 1
VB10 VB11 VB12 VB13 VB14
Y LG R W B
17 B 18 B 19 B 9 B 10 B
VC10 VC11 VC12 VC13 VC14
Hybrid Vehicle Battery
Busbar Module 2
GB0 VB1 VB2 VB3 VB4 VB5 VB6 VB7 VB8 VB9
R W B L P O G GR BR V
11 B 1 B 2 B 3 B 13 B 14 B 15 B 5 B 6 B 7 B
GC0 VC1 VC2 VC3 VC4 VC5 VC6 VC7 VC8 VC9
g1(B), i1(A), z10(D)
Battery Voltage Sensor

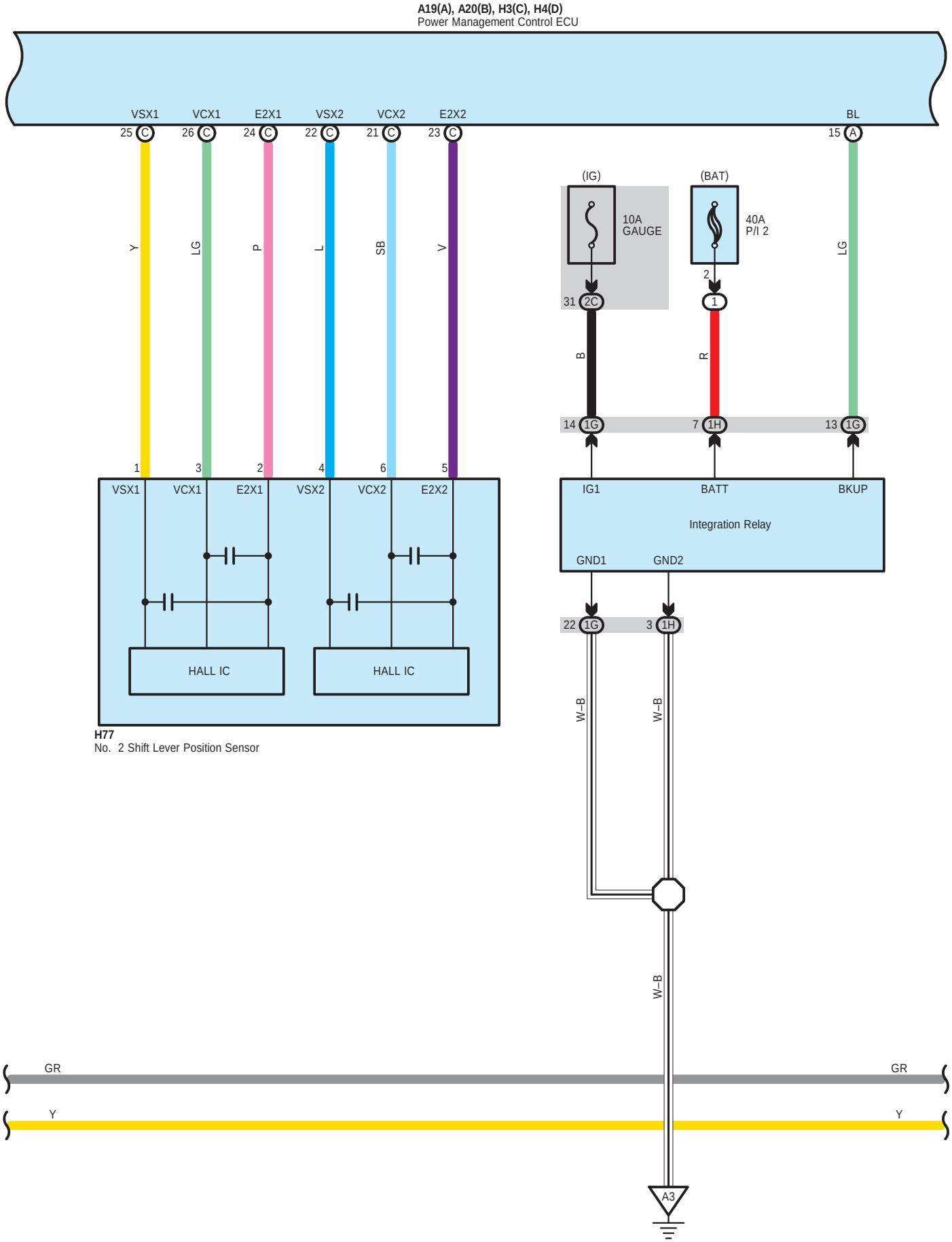
GR
GR
Y
Y

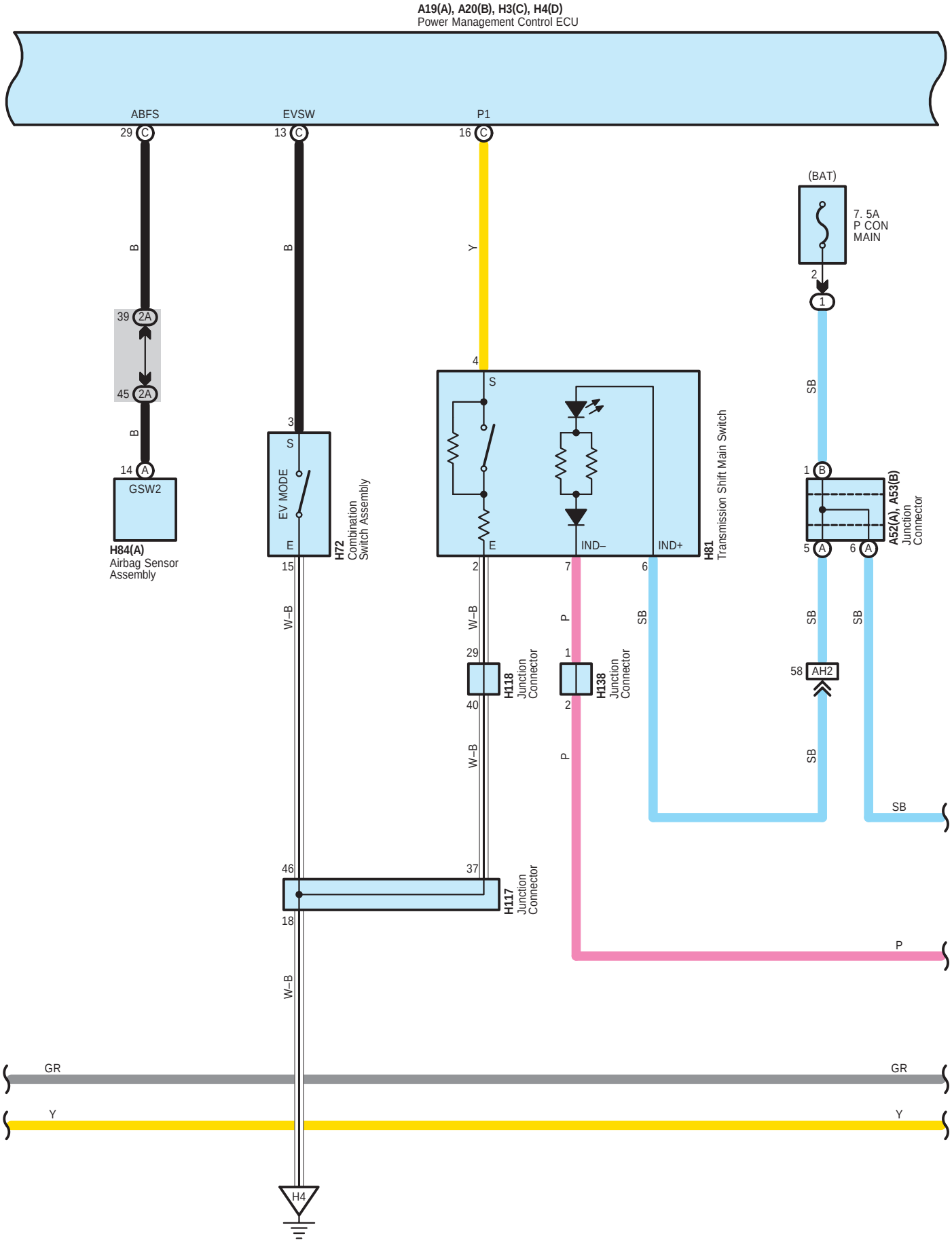

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
ETHB
THB
30 C
28 C
V
L
f1(A), g1(B), h1(C), z10(D)
HV Battery Assembly
70 HQ1
71 HQ1
V
L
2
1
Q13
Battery Thermometer Sensor
Thermistor
Thermistor
Thermistor
Thermistor
G
G
W
W
B
B
L
L
1 D
7 D
6 D
12 D
5 D
11 D
4 D
10 D
TCO
GCO
TBO
GBO
TB1
GB1
TB2
GB2
g1(B), i1(A), z10(D)
Battery Voltage Sensor

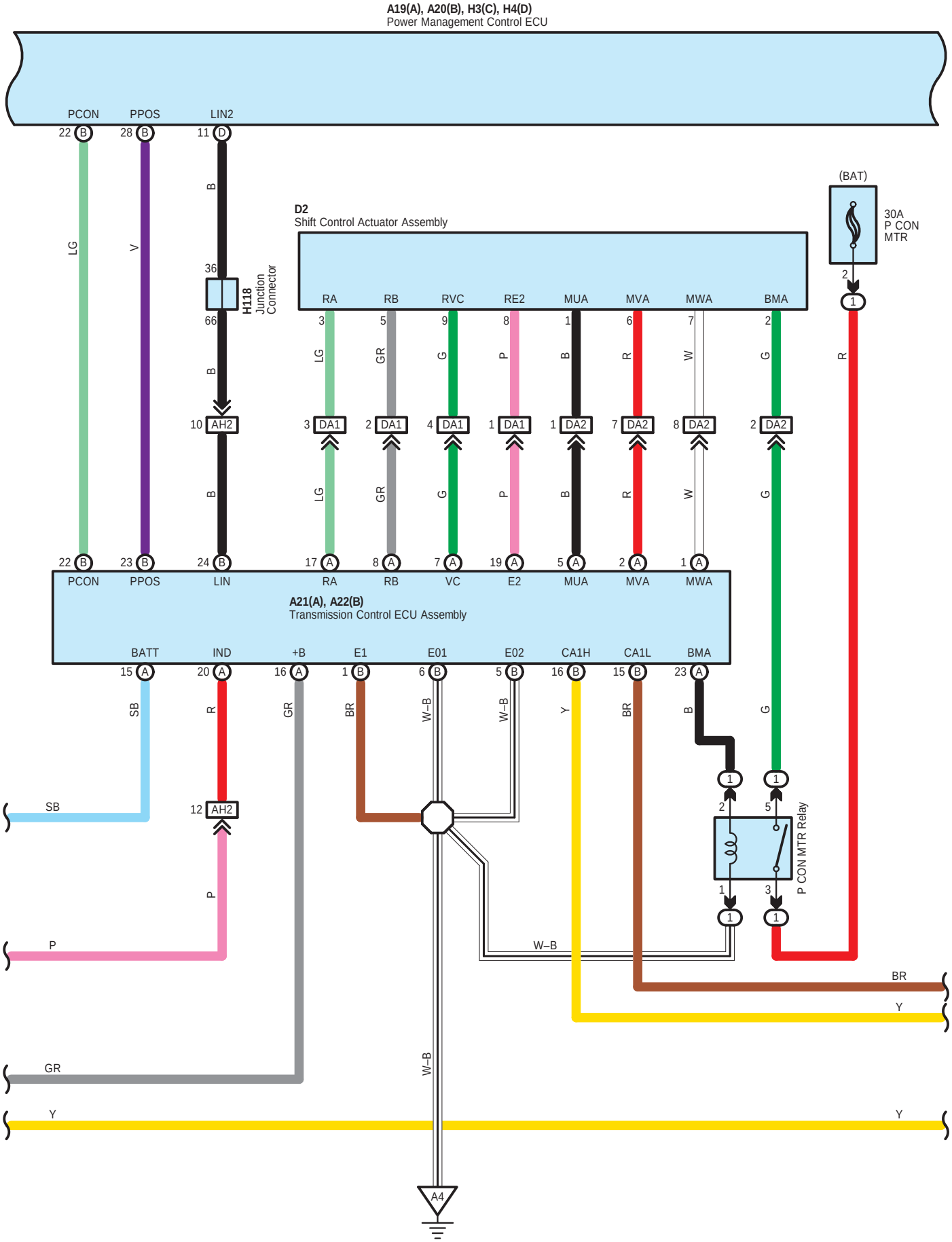
GR
GR
Y
Y

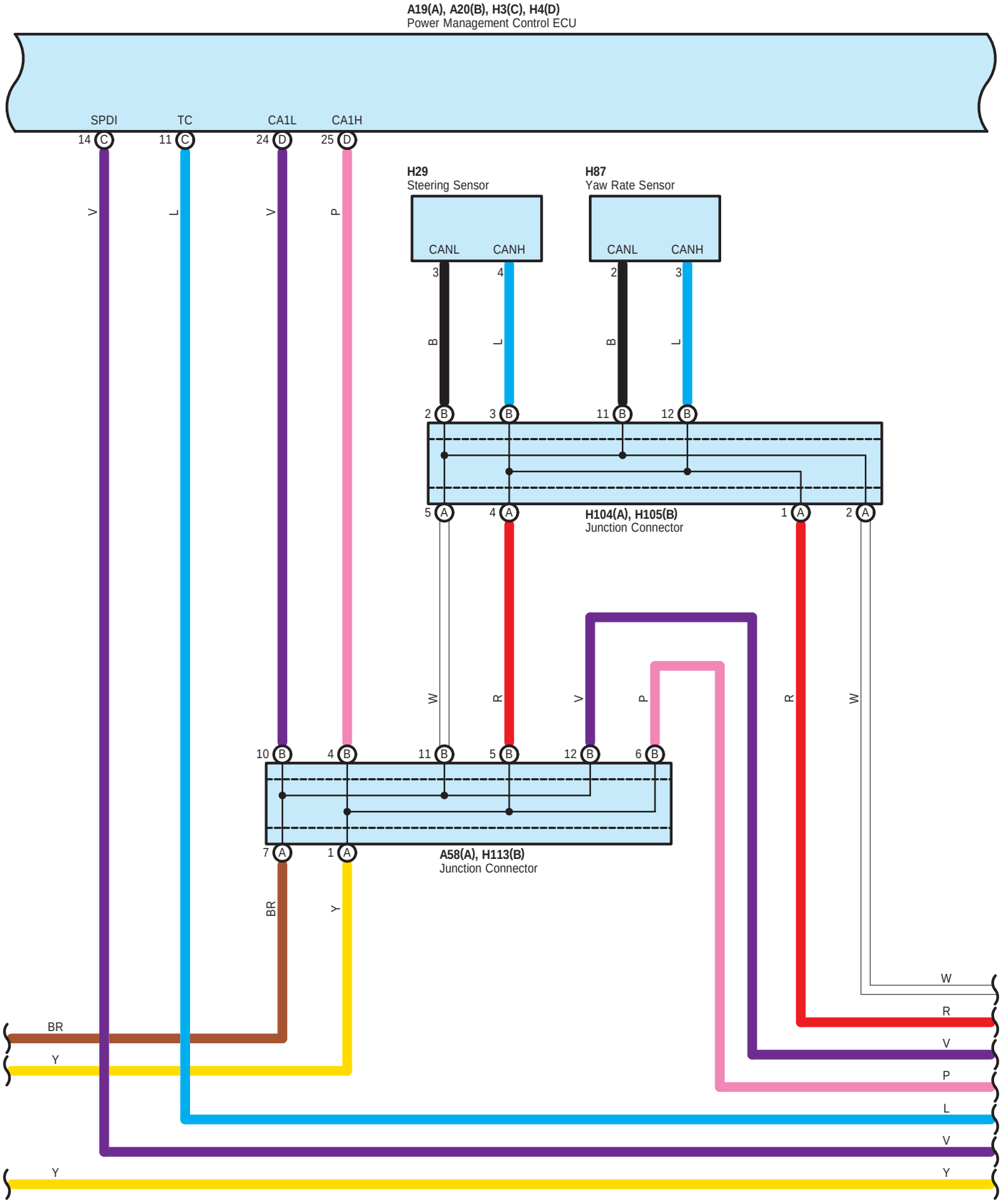

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
VCP1
VCP2
VPA1
EP1
EP2
VPA2
VCX3
VSX3
VCX4
VSX4
18 B
19 B
26 B
34 B
35 B
27 B
19 C
20 C
17 C
18 C
Y
G
L
B
R
W
W
BR
P
LG
4
1
6
5
2
3
5
4
2
1
A28
Accelerator Pedal Sensor Assembly
HALL IC
HALL IC
H76
No. 1 Shift Lever Position Sensor

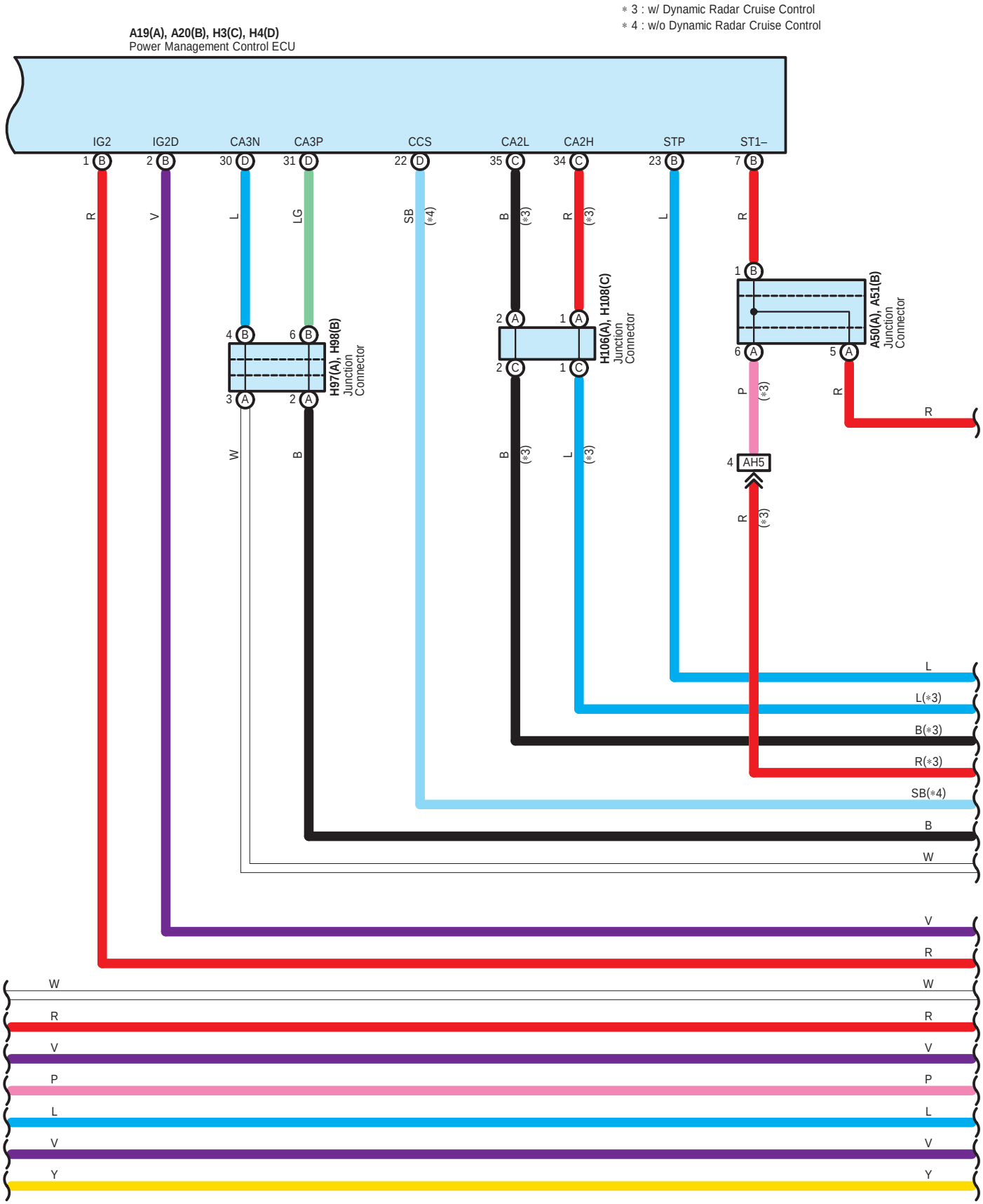
GR
GR
Y
Y

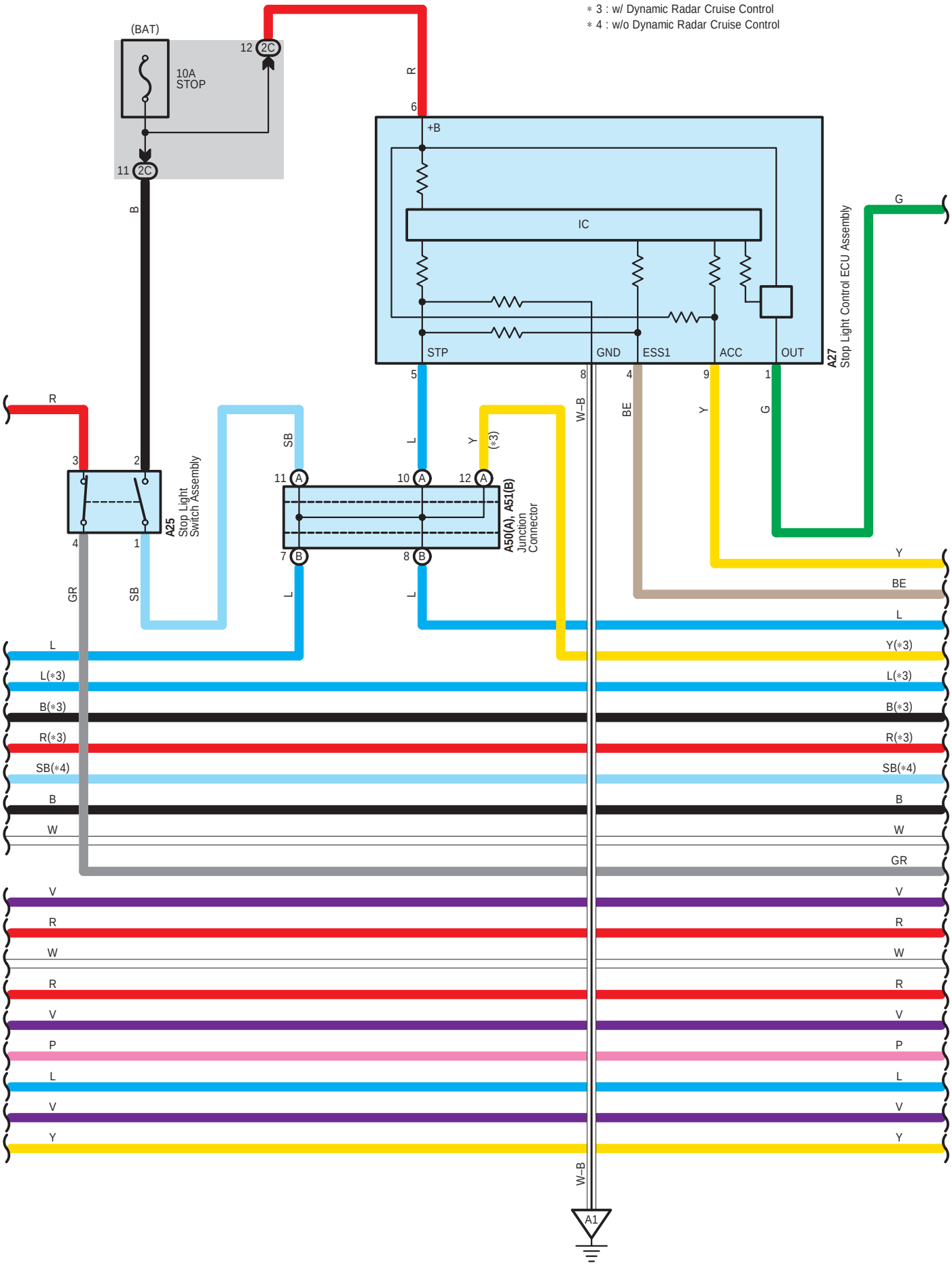

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
BL
25 C
26 C
24 C
22 C
21 C
23 C
15 A
Y
LG
P
L
SB
V
LG
(IG)
(BAT)
10A
GAUGE
40A
P/I 2
2
31 2C
1
B
R
14 1G
7 1H
13 1G
1
3
2
4
6
5
VSX1
VCX1
E2X1
VSX2
VCX2
E2X2
IG1
BATT
BKUP
Integration Relay
GND1
GND2
22 1G
3 1H
HALL IC
HALL IC
W–B
W–B
W–B
H77
No. 2 Shift Lever Position Sensor
GR
GR
Y
Y
A3

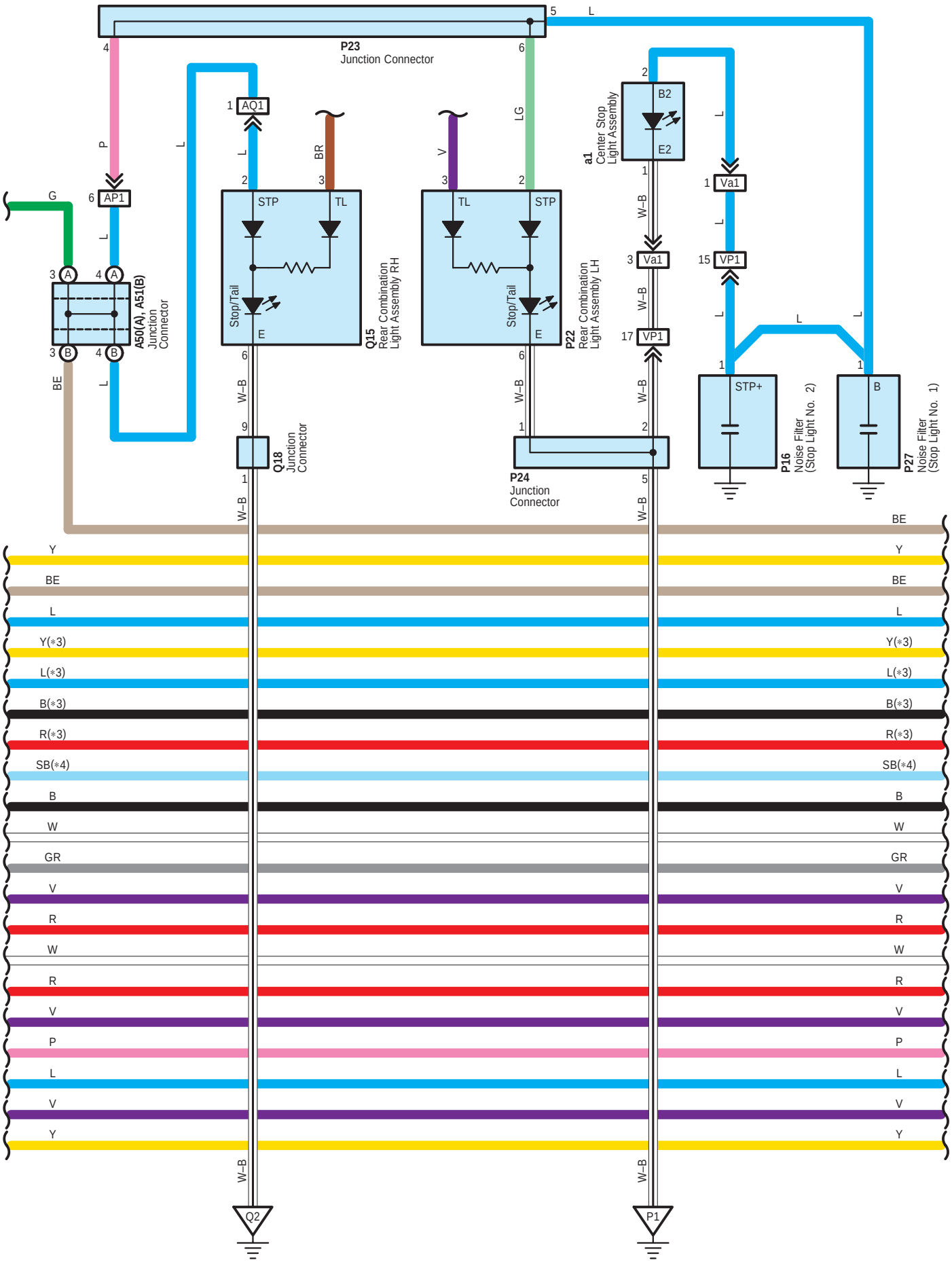

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
ABFS
EVSW
P1
29 C
13 C
16 C
B
B
Y
39 2A
45 2A
B
14 A
GSW2
H84(A)
Airbag Sensor
Assembly
3
S
EV MODE
E
15
H72
Combination
Switch Assembly
4
S
E
IND–
IND+
H81
Transmission Shift Main Switch
(BAT)
7. 5A
P CON
MAIN
2
1
SB
1 B
5 A
6 A
A52(A), A53(B)
Junction
Connector
W–B
2
W–B
29
40
H118
Junction
Connector
7
P
1
2
H138
Junction
Connector
6
SB
SB
SB
58 AH2
SB
SB
P
46
37
H117
Junction
Connector
18
W–B
GR
GR
Y
Y
H4

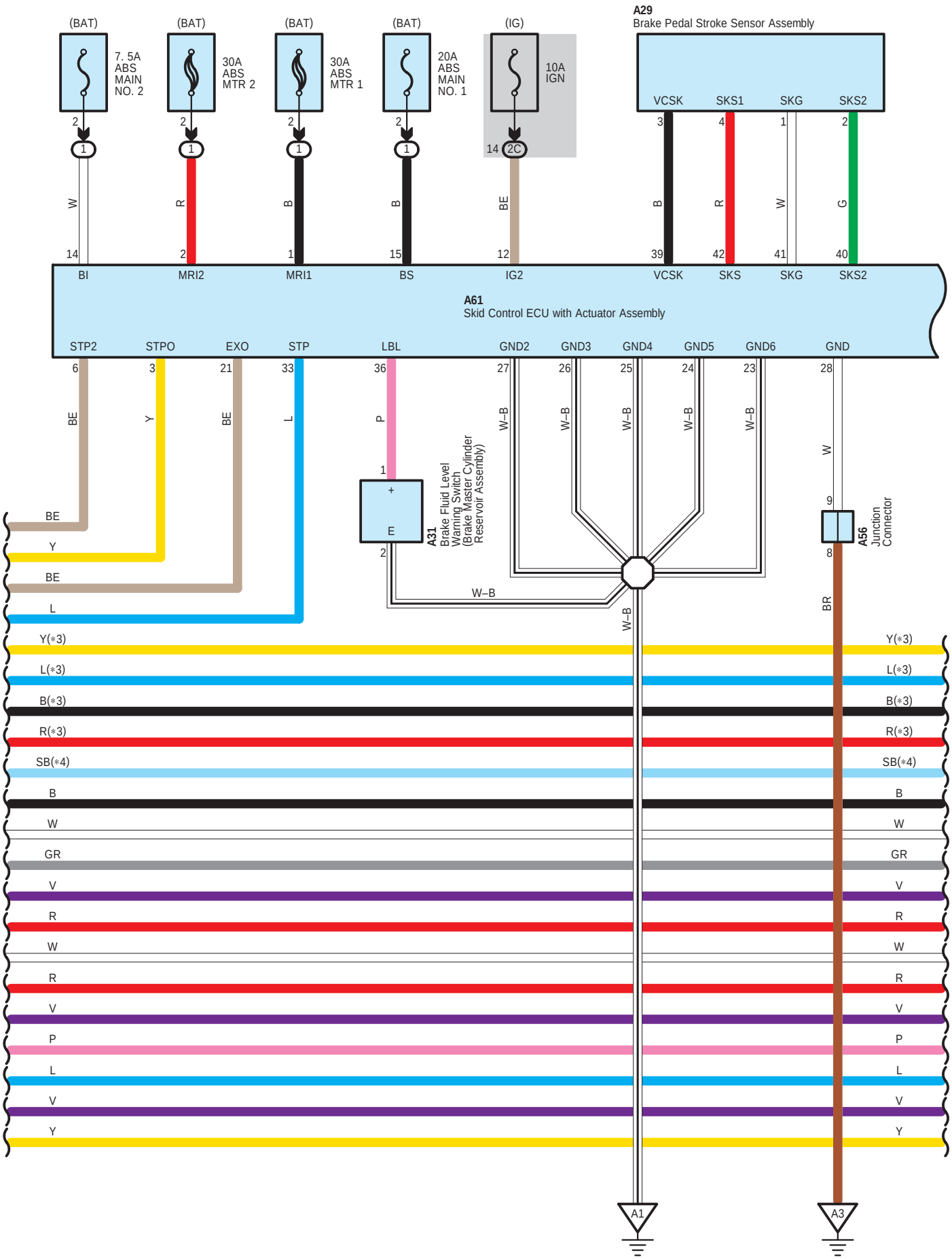

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
PCON
PPOS
LIN2
22 B
28 B
11 D
LG
V
B
36
66
H118
Junction
Connector
10 AH2
D2
Shift Control Actuator Assembly
RA
RB
RVC
RE2
MUA
MVA
MWA
BMA
3 DA1
2 DA1
4 DA1
1 DA1
1 DA2
7 DA2
8 DA2
2 DA2
22 B
23 B
24 B
17 A
8 A
7 A
19 A
5 A
2 A
1 A
PCON
PPOS
LIN
RA
RB
VC
E2
MUA
MVA
MWA
A21(A), A22(B)
Transmission Control ECU Assembly
BATT
IND
+B
E1
E01
E02
CA1H
CA1L
BMA
15 A
20 A
16 A
1 B
6 B
5 B
16 B
15 B
23 A
SB
R
GR
BR
W–B
Y
G
12 AH2
P
(BAT)
30A
P CON
MTR
P CON MTR Relay
A4

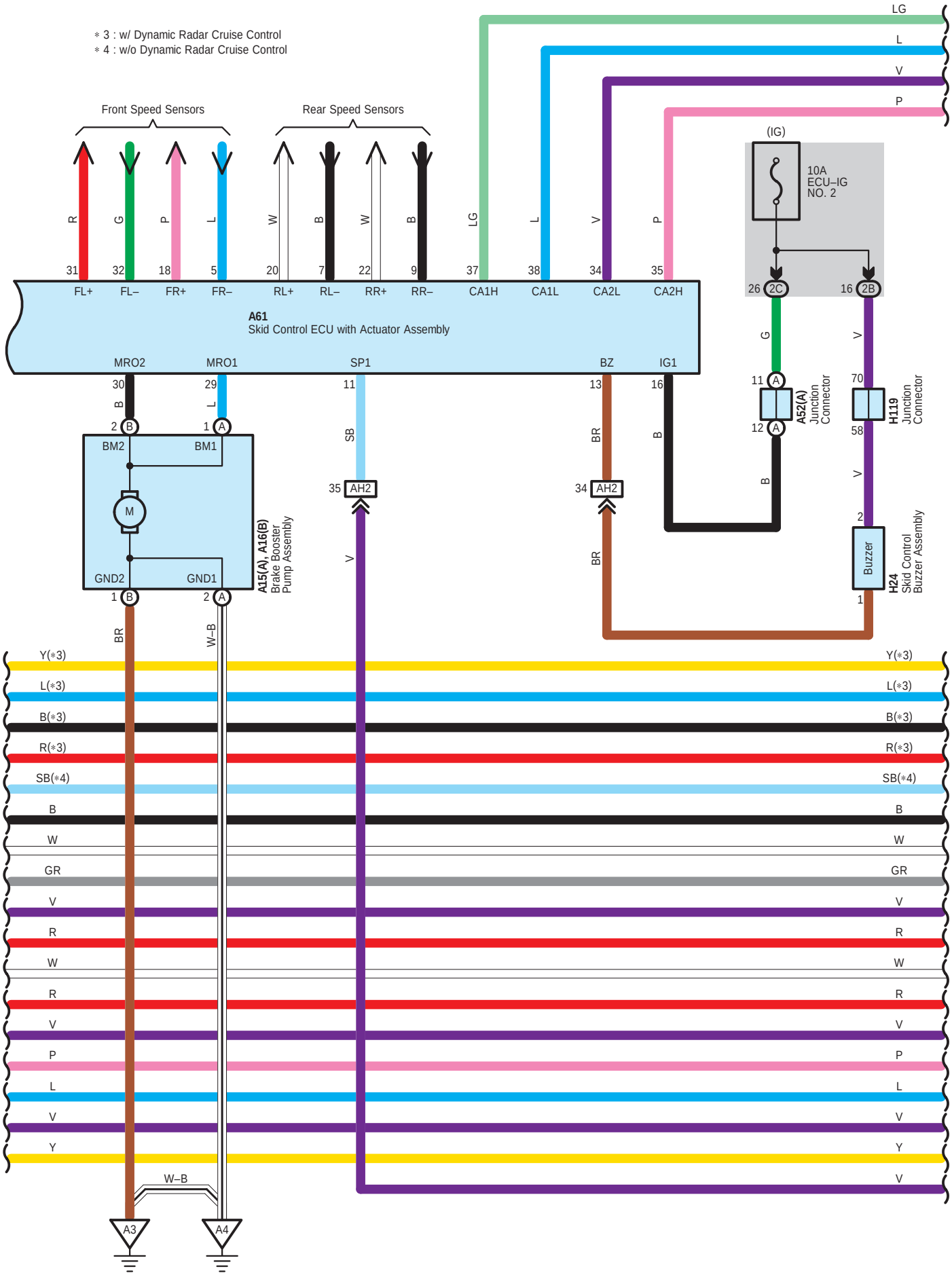

A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
SPDI
TC
CA1L
CA1H
14 C
11 C
24 D
25 D
H29
Steering Sensor
CANL
CANH
H87
Yaw Rate Sensor
CANL
CANH
H104(A), H105(B)
Junction Connector
A58(A), H113(B)
Junction Connector
BR
Y
W
R
V
P
L
V
Y

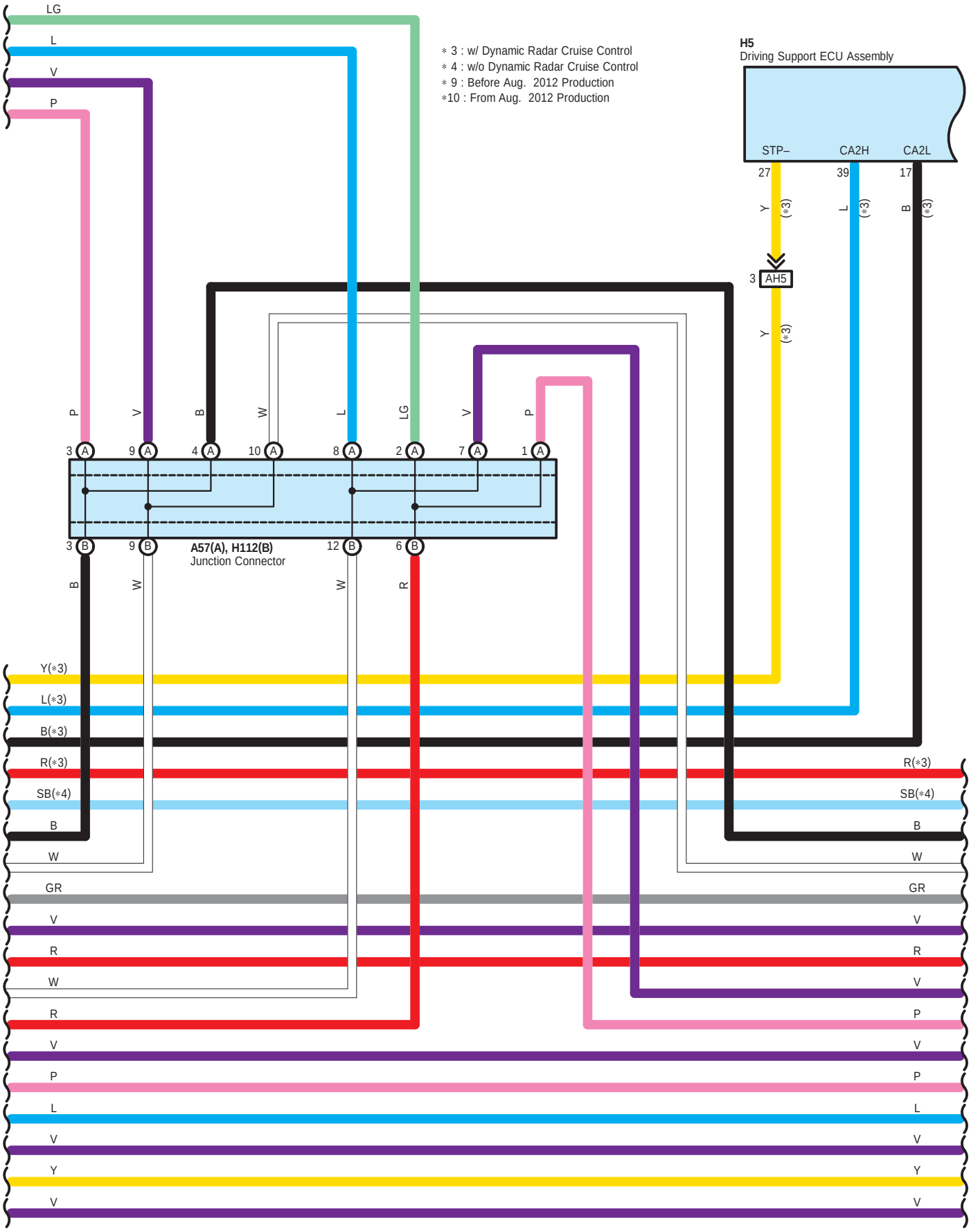

∗ 3 : w/ Dynamic Radar Cruise Control
∗ 4 : w/o Dynamic Radar Cruise Control
A19(A), A20(B), H3(C), H4(D)
Power Management Control ECU
IG2
IG2D
CA3N
CA3P
CCS
CA2L
CA2H
STP
ST1–
H97(A), H98(B)
Junction Connector
H106(A), H108(C)
Junction Connector
A50(A), A51(B)
Junction Connector
AH5
L
L(∗3)
B(∗3)
R(∗3)
SB(∗4)
B
W
V
R
W
R
V
P
L
V
Y

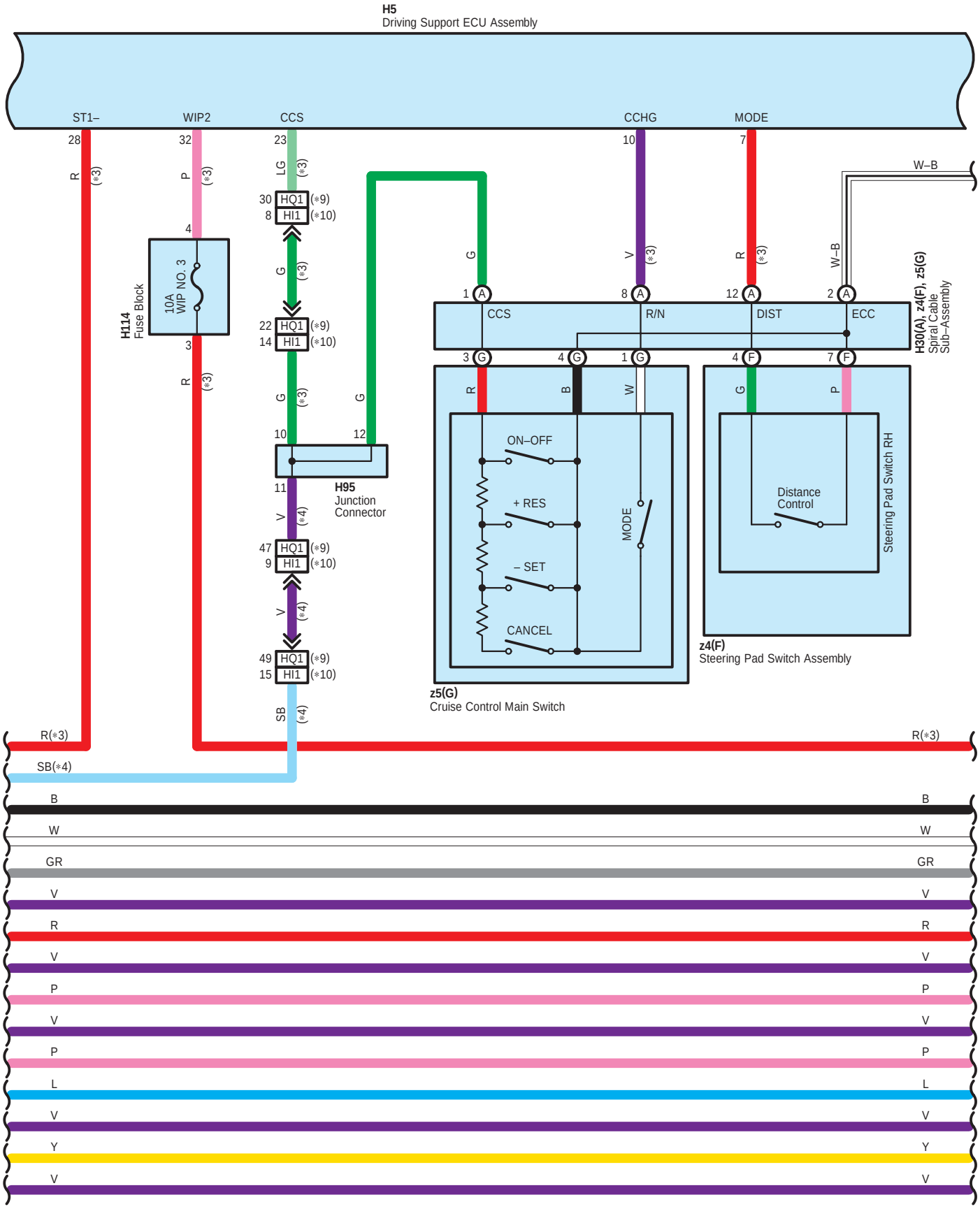

∗ 3 : w/ Dynamic Radar Cruise Control
∗ 4 : w/o Dynamic Radar Cruise Control
(BAT)
10A
STOP
12 2C
11 2C
B
R
6
+B
IC
STP
GND
ESS1
ACC
OUT
A27
Stop Light Control ECU Assembly
G
5
8
4
9
1
W–B
BE
Y
G
R
3
2
4
1
A25
Stop Light
Switch Assembly
SB
GR
SB
L
Y
(∗3)
11 A
10 A
12 A
7 B
8 B
A50(A), A51(B)
Junction
Connector
L
L
Y
BE
L
Y(∗3)
L
L(∗3)
B(∗3)
R(∗3)
SB(∗4)
B
W
GR
V
R
W
R
V
P
L
V
Y
W–B
A1

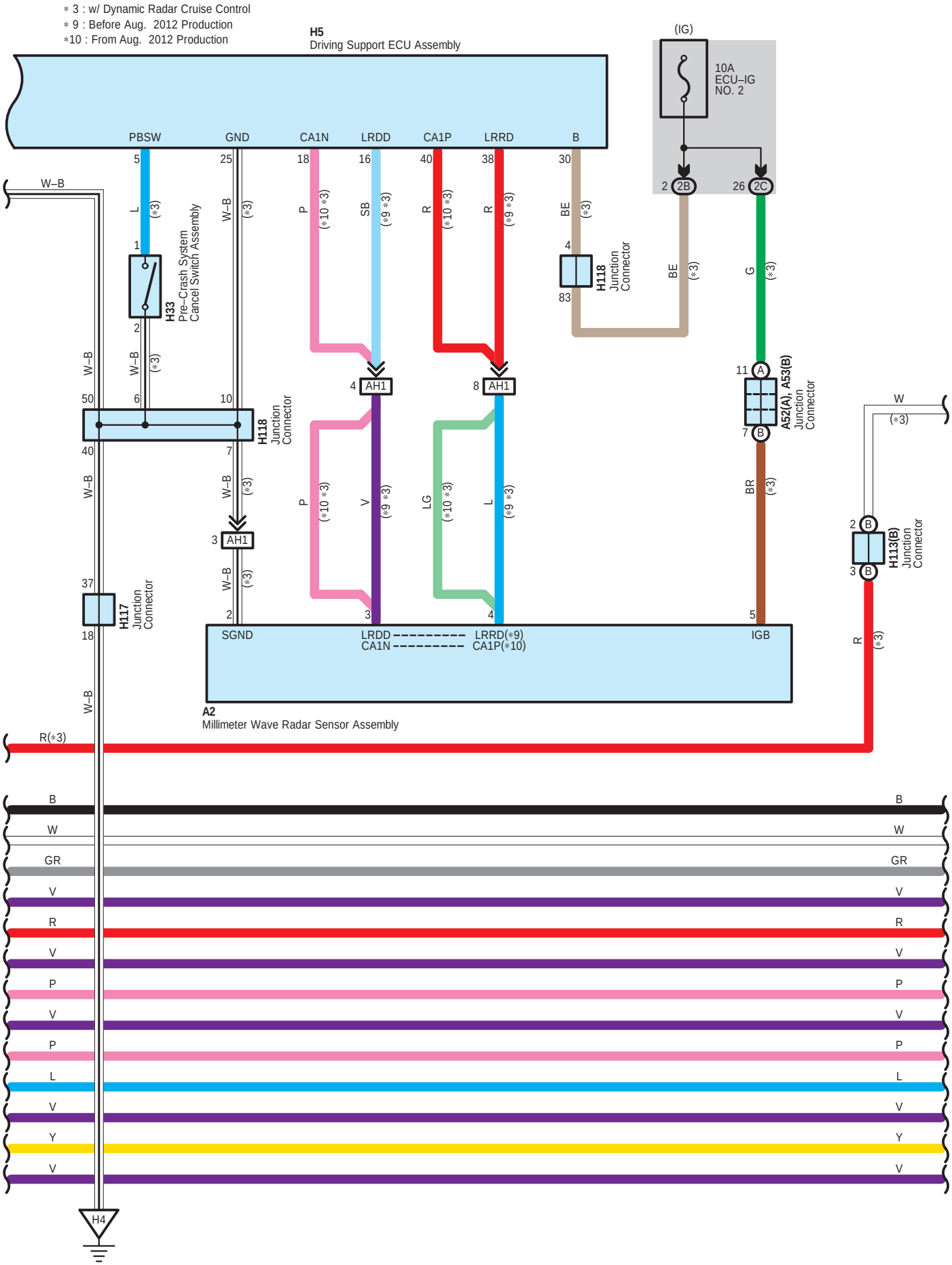

P23
Junction Connector
AQ1
AP1
A50(A), A51(B)
Junction
Connector
STP
TL
Stop/Tail
E
Q15
Rear Combination
Light Assembly RH
P22
Rear Combination
Light Assembly LH
a1
Center Stop
Light Assembly
B2
E2
Va1
VP1
STP+
B
P16
Noise Filter
(Stop Light No. 2)
P27
Noise Filter
(Stop Light No. 1)
Q18
Junction
Connector
P24
Junction
Connector
Q2
P1
Y
BE
L
Y(*3)
L(*3)
B(*3)
R(*3)
SB(*4)
B
W
GR
V
R
W
R
V
P
L
V
Y

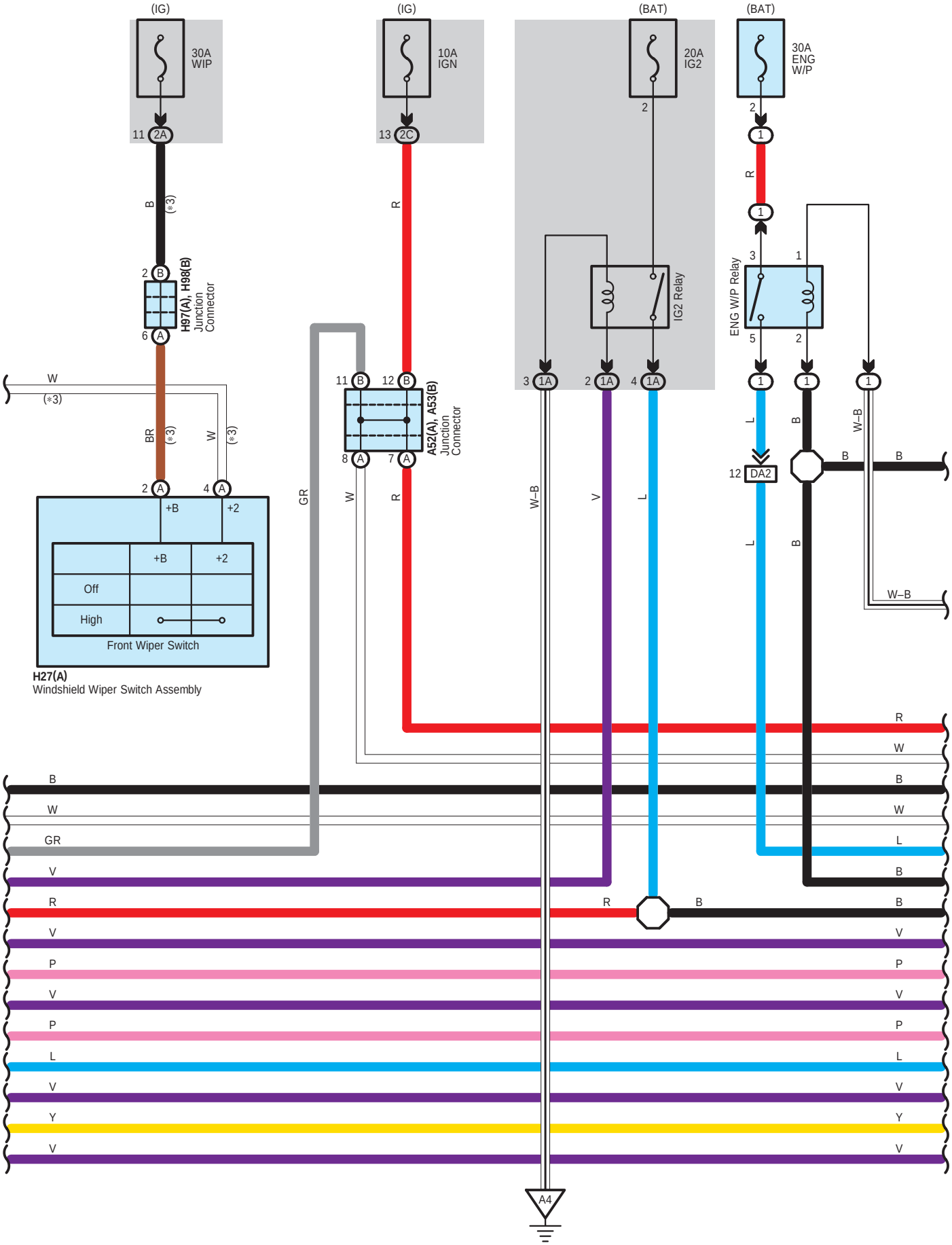

(BAT)
7. 5A
ABS
MAIN
NO. 2
(BAT)
30A
ABS
MTR 2
(BAT)
30A
ABS
MTR 1
(BAT)
20A
ABS
MAIN
NO. 1
(IG)
10A
IGN
A29
Brake Pedal Stroke Sensor Assembly
VCSK
SKS1
SKG
SKS2
BI
MRI2
MRI1
BS
IG2
VCSK
SKS
SKG
SKS2
A61
Skid Control ECU with Actuator Assembly
STP2
STPO
EXO
STP
LBL
GND2
GND3
GND4
GND5
GND6
GND
A31
Brake Fluid Level
Warning Switch
(Brake Master Cylinder
Reservoir Assembly)
A56
Junction
Connector
W–B
Y(*3)
L(*3)
B(*3)
R(*3)
SB(*4)
A1
A3

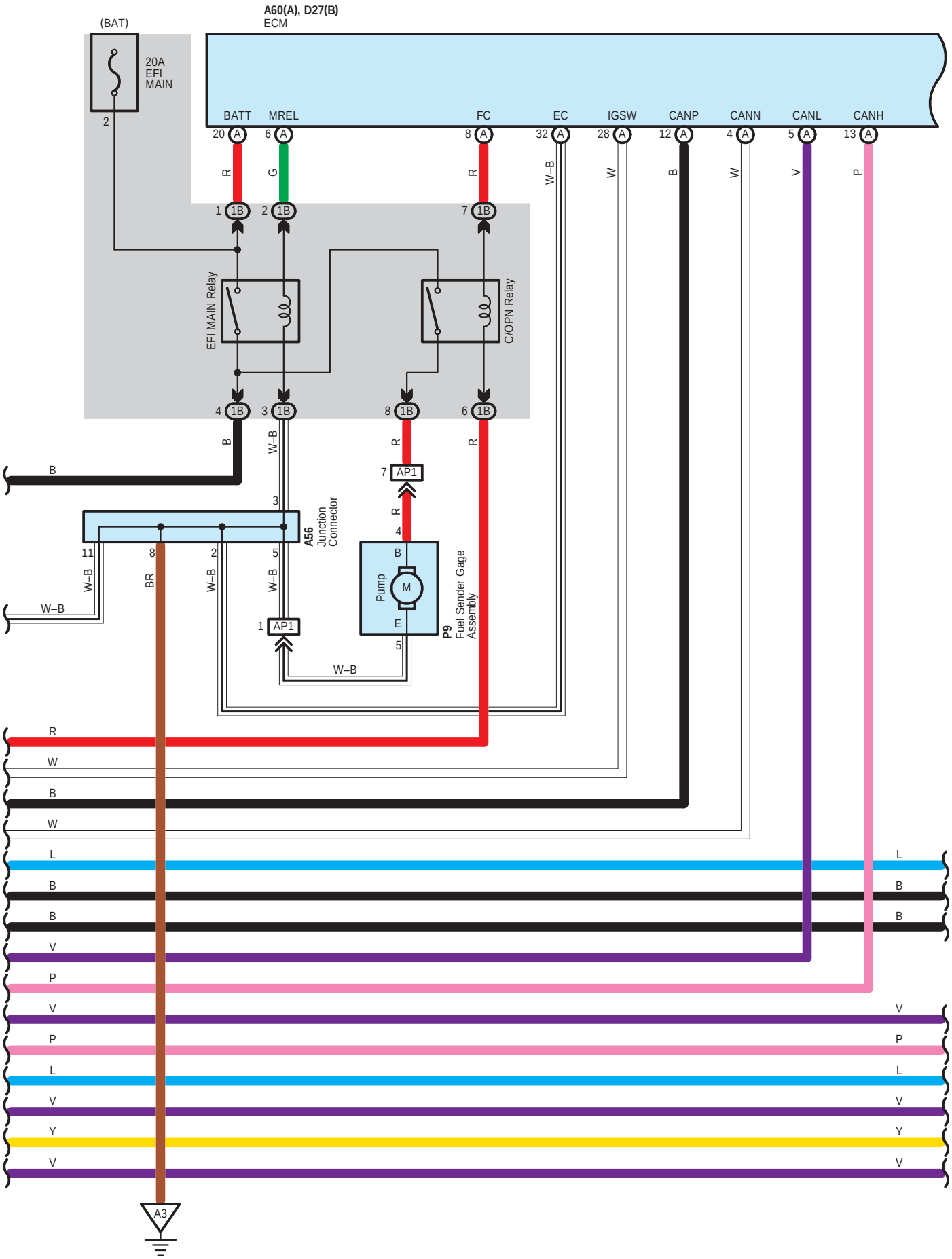

∗ 3 : w/ Dynamic Radar Cruise Control
∗ 4 : w/o Dynamic Radar Cruise Control
Front Speed Sensors
Rear Speed Sensors
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
CA1H
CA1L
CA2L
CA2H
A61
Skid Control ECU with Actuator Assembly
MRO2
MRO1
SP1
BZ
IG1
(IG)
10A
ECU–IG
NO. 2
A52(A)
Junction
Connector
H119
Junction
Connector
BM2
BM1
GND2
GND1
A15(A), A16(B)
Brake Booster
Pump Assembly
AH2
Buzzer
H24
Skid Control
Buzzer Assembly
Y(∗3)
L(∗3)
B(∗3)
R(∗3)
SB(∗4)
W–B
A3
A4

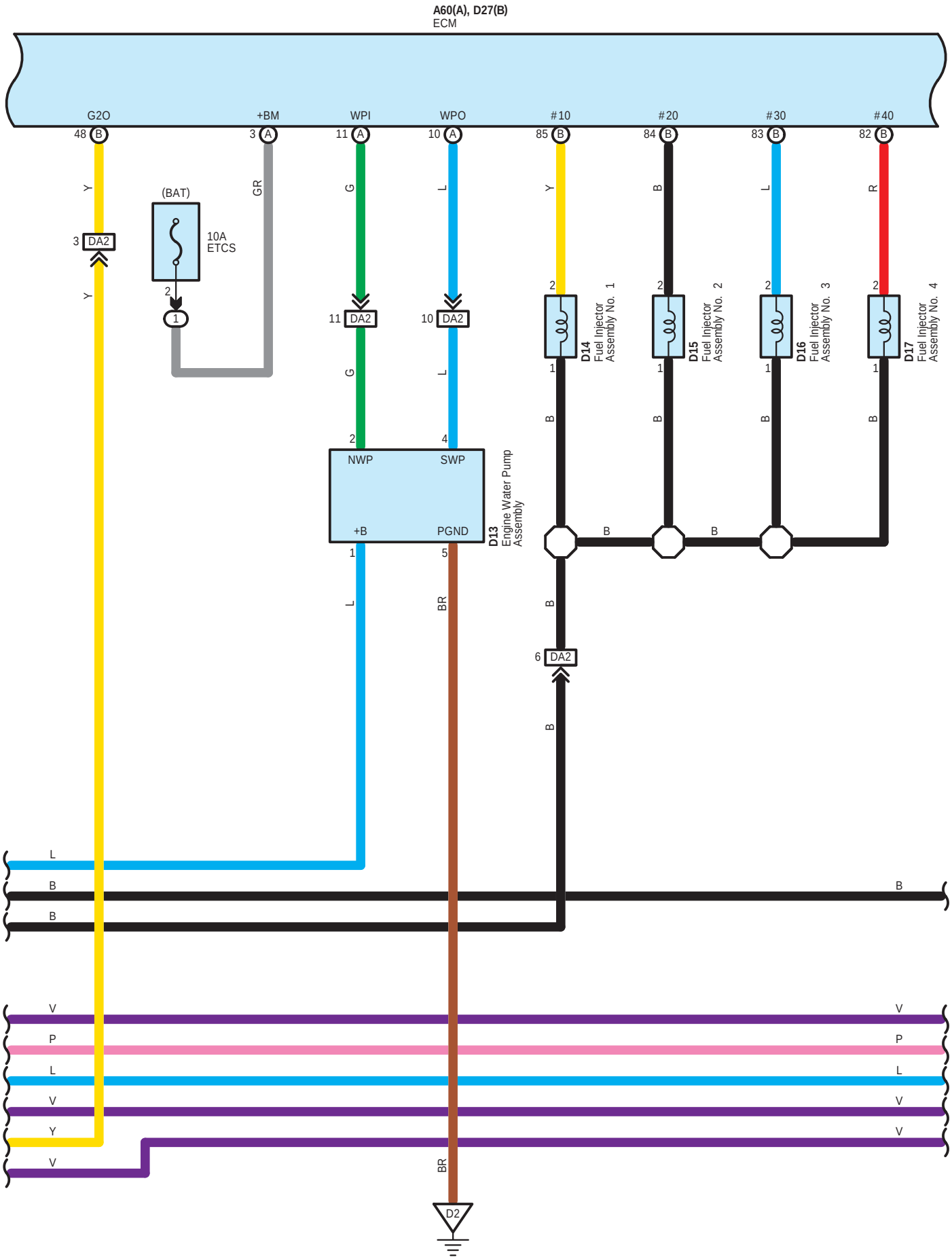

LG
L
V
P
∗ 3 : w/ Dynamic Radar Cruise Control
∗ 4 : w/o Dynamic Radar Cruise Control
∗ 9 : Before Aug. 2012 Production
∗10 : From Aug. 2012 Production
H5
Driving Support ECU Assembly
STP–
CA2H
CA2L
27
39
17
Y (∗3)
L (∗3)
B (∗3)
3 AH5
Y (∗3)
P
V
B
W
L
LG
V
P
3 A
9 A
4 A
10 A
8 A
2 A
7 A
1 A
3 B
9 B
12 B
6 B
A57(A), H112(B)
Junction Connector
B
W
W
R
Y(∗3)
L(∗3)
B(∗3)
R(∗3)
SB(∗4)
B
W
GR
V
R
W
R
V
P
L
V
Y
V
R(∗3)
SB(∗4)
B
W
GR
V
R
V
P
V
P
L
V
Y
V

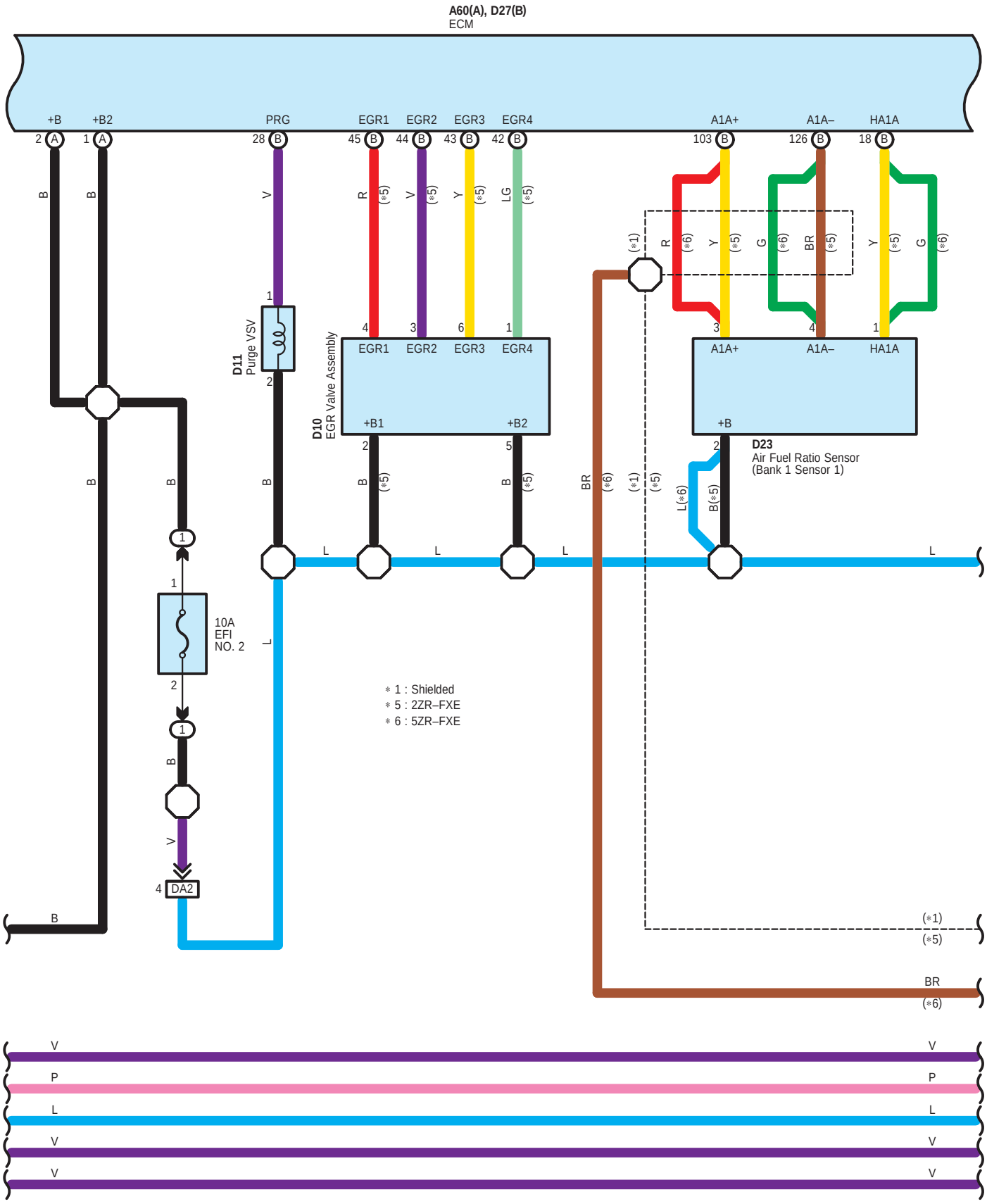

H5
Driving Support ECU Assembly
ST1–
WIP2
CCS
CCHG
MODE
28
32
23
10
7
R
P
LG
V
R
(*3)
30 HQ1 (*9)
8 HI1 (*10)
4
10A
WIP NO. 3
H114
Fuse Block
3
22 HQ1 (*9)
14 HI1 (*10)
G
10
12
11
H95
Junction Connector
V
(*4)
47 HQ1 (*9)
9 HI1 (*10)
49 HQ1 (*9)
15 HI1 (*10)
SB
W–B
1 A
8 A
12 A
2 A
CCS
R/N
DIST
ECC
H30(A), z4(F), z5(G)
Spiral Cable
Sub–Assembly
3 G
4 G
1 G
4 F
7 F
B
W
ON–OFF
+ RES
– SET
CANCEL
MODE
z5(G)
Cruise Control Main Switch
Distance
Control
Steering Pad Switch RH
z4(F)
Steering Pad Switch Assembly
R(*3)
SB(*4)
B
W
GR
V
R
V
P
V
P
L
V
Y
V

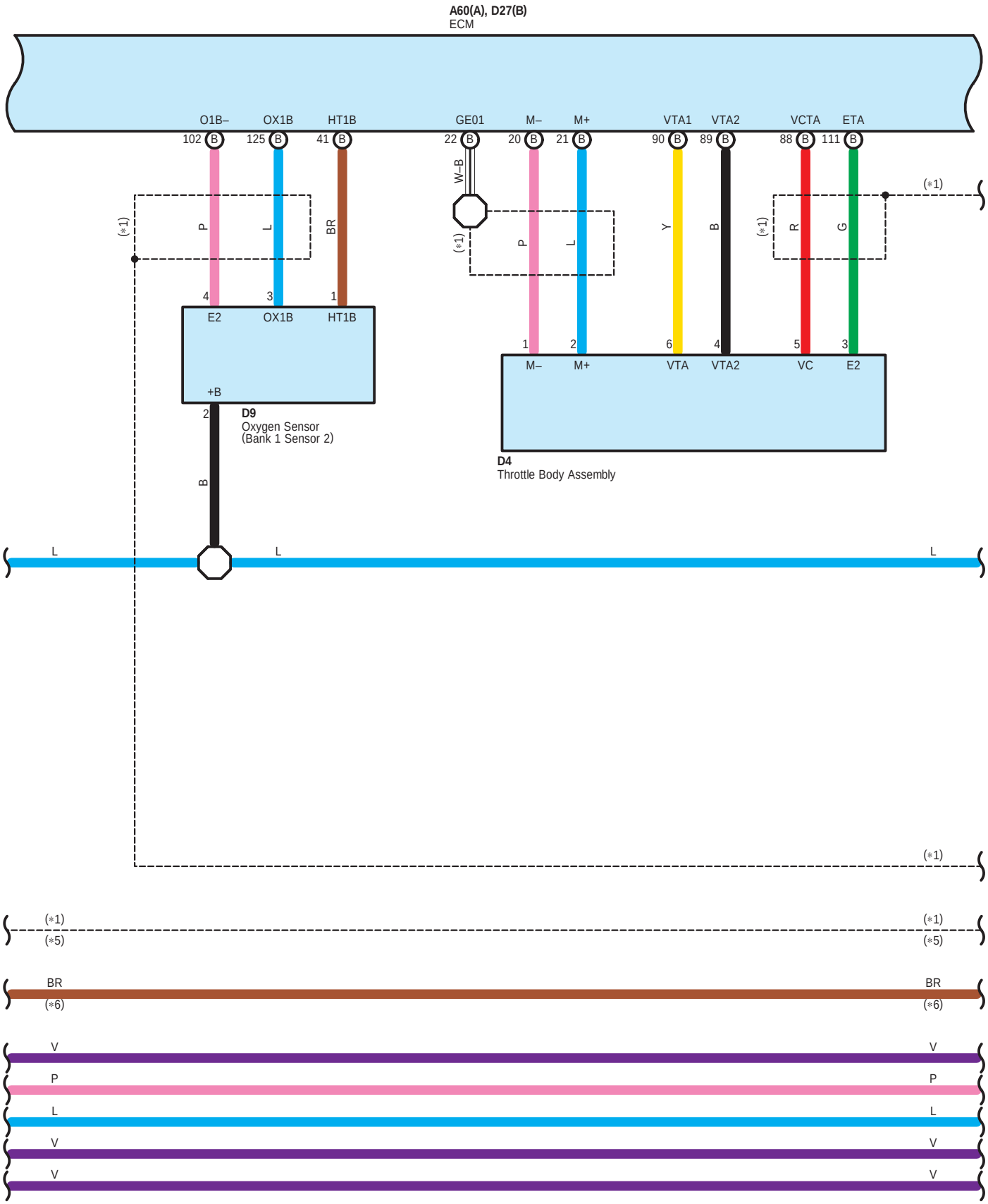

∗3 : w/ Dynamic Radar Cruise Control
∗9 : Before Aug. 2012 Production
∗10 : From Aug. 2012 Production
H5
Driving Support ECU Assembly
PBSW
GND
CA1N
LRDD
CA1P
LRRD
B
(IG)
10A
ECU–IG
NO. 2
H33
Pre–Crash System
Cancel Switch Assembly
H118
Junction
Connector
AH1
A52(A), A53(B)
Junction
Connector
H113(B)
Junction
Connector
H117
Junction
Connector
SGND
LRDD
CA1N
LRRD(∗9)
CA1P(∗10)
IGB
A2
Millimeter Wave Radar Sensor Assembly
H4

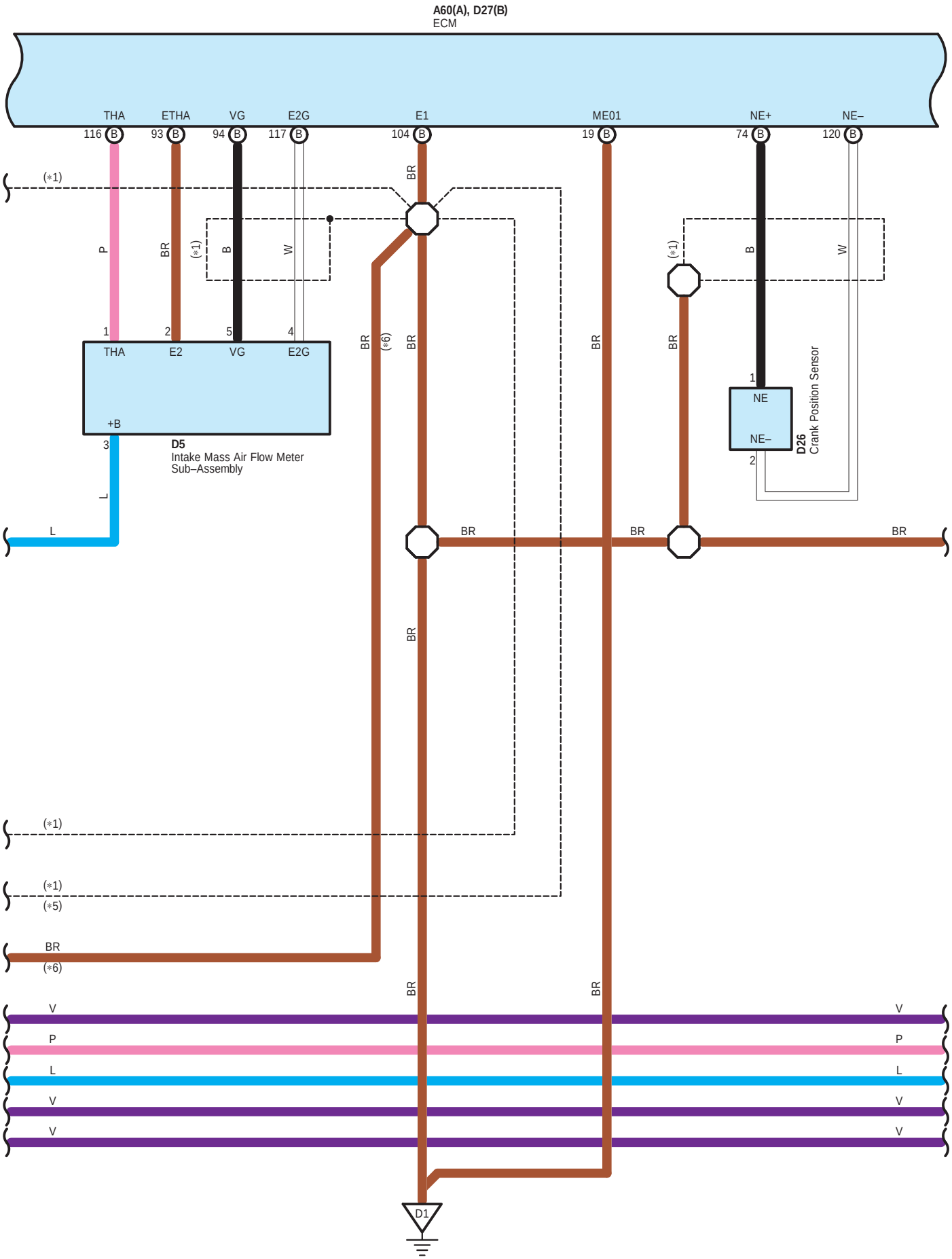

(IG)
30A
WIP
11 2A
B
(*3)
2 B
H97(A), H98(B)
Junction
Connector
6 A
W
(*3)
BR
(*3)
W
(*3)
2 A
4 A
+B
+2
+B
+2
Off
High
Front Wiper Switch
H27(A)
Windshield Wiper Switch Assembly
(IG)
10A
IGN
13 2C
R
11 B
12 B
A52(A), A53(B)
Junction
Connector
8 A
7 A
GR
W
R
(BAT)
20A
IG2
2
IG2 Relay
3 1A
2 1A
4 1A
W–B
V
L
(BAT)
30A
ENG
W/P
2
1
R
1
3
1
ENG W/P Relay
5
2
1
1
1
L
B
W–B
12 DA2
B
B
L
B
W–B
R
W
B
W
GR
V
R
R
B
B
V
P
V
P
L
V
Y
V
A4

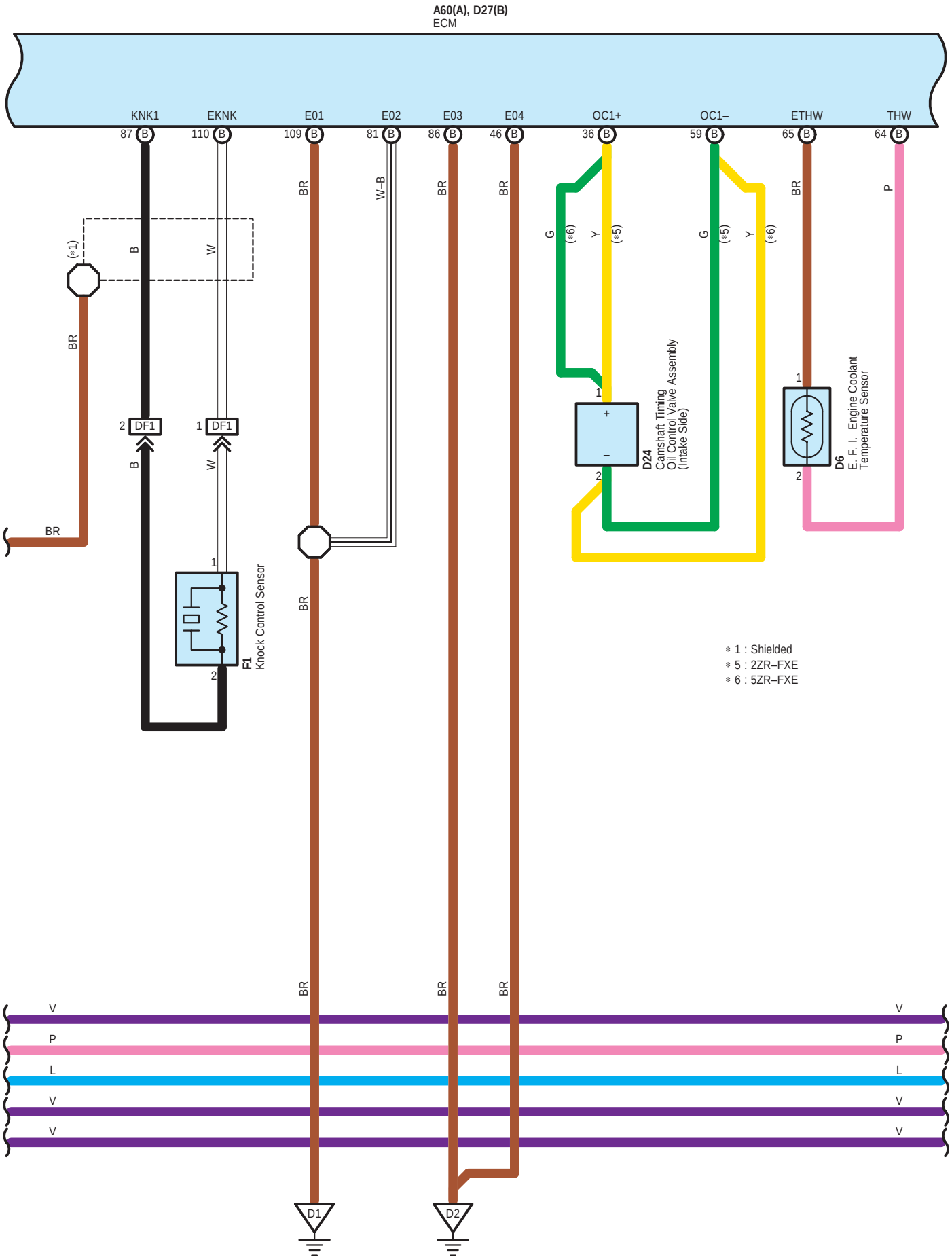

(BAT)
20A
EFI
MAIN
2
A60(A), D27(B)
ECM
BATT
MREL
FC
EC
IGSW
CANP
CANN
CANL
CANH
20
6
8
32
28
12
4
5
13
R
G
R
W–B
W
B
W
V
P
1
2
7
EFI MAIN Relay
C/OPN Relay
4
3
8
6
B
W–B
R
R
B
7
AP1
3
A56
Junction
Connector
R
4
11
8
2
5
B
Pump
M
Fuel Sender Gage
Assembly
P9
W–B
BR
W–B
W–B
W–B
E
1
AP1
5
W–B
R
W
B
W
L
B
B
V
P
V
P
L
V
Y
V
L
B
B
V
P
V
P
L
V
Y
V
A3

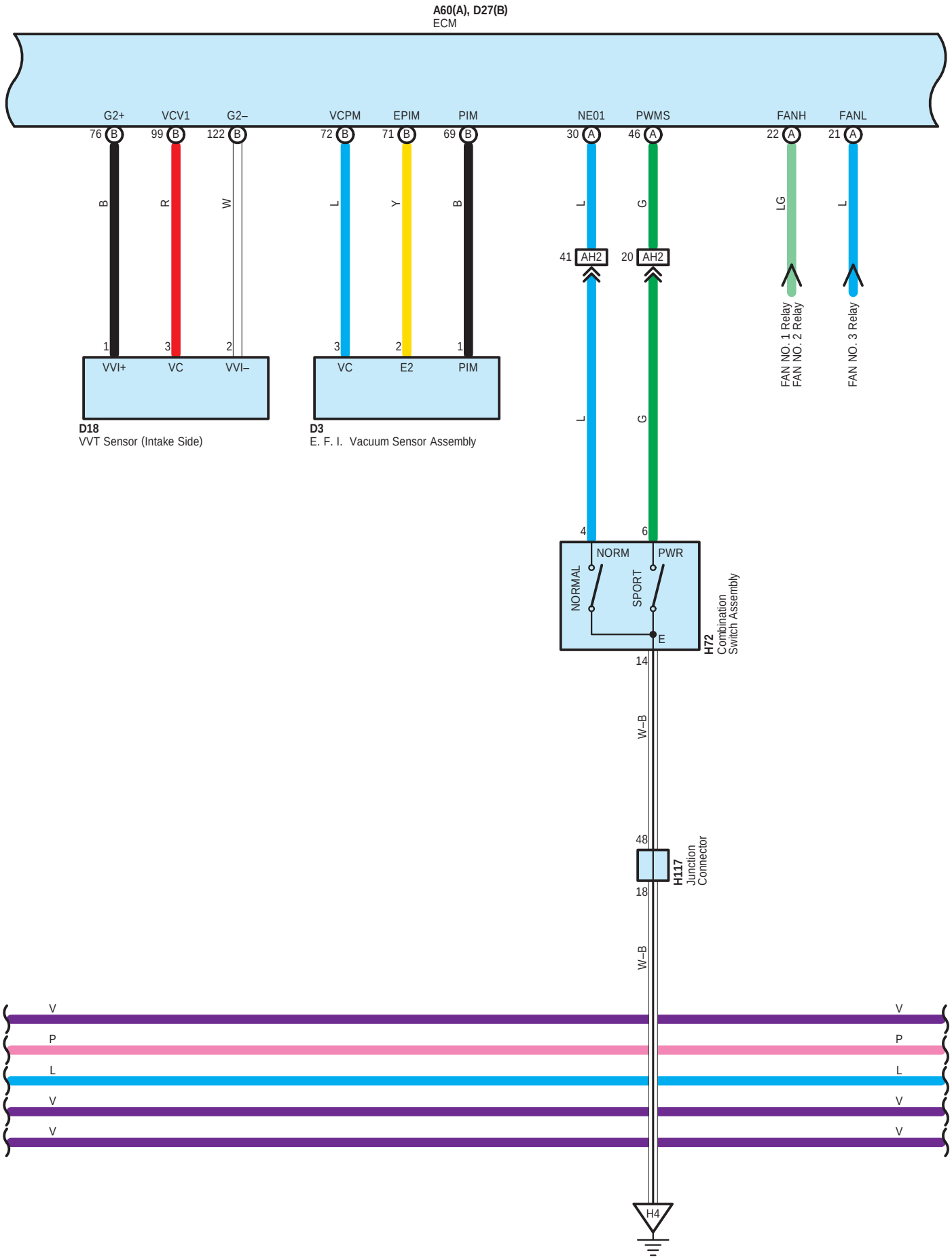

A60(A), D27(B)
ECM
G2O
+BM
WPI
WPO
#10
#20
#30
#40
48 B
3 A
11 A
10 A
85 B
84 B
83 B
82 B
(BAT)
10A
ETCS
3 DA2
11 DA2
10 DA2
6 DA2
D14 Fuel Injector Assembly No. 1
D15 Fuel Injector Assembly No. 2
D16 Fuel Injector Assembly No. 3
D17 Fuel Injector Assembly No. 4
NWP
SWP
+B
PGND
D13 Engine Water Pump Assembly
D2

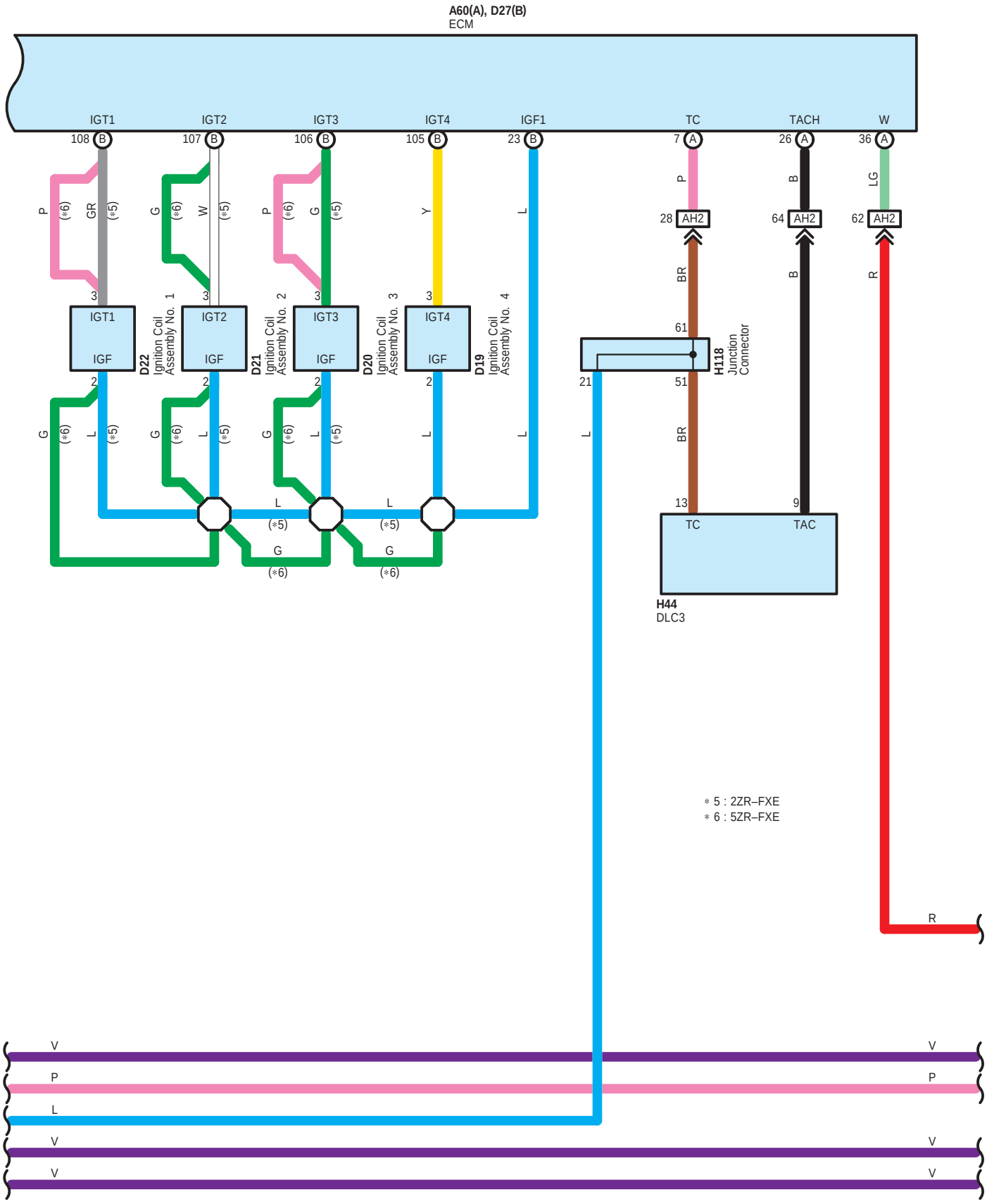

A60(A), D27(B)
ECM
+B
+B2
PRG
EGR1
EGR2
EGR3
EGR4
A1A+
A1A–
HA1A
D11
Purge VSV
D10
EGR Valve Assembly
+B1
+B2
D23
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
10A
EFI
NO. 2
DA2
* 1 : Shielded
* 5 : 2ZR–FXE
* 6 : 5ZR–FXE

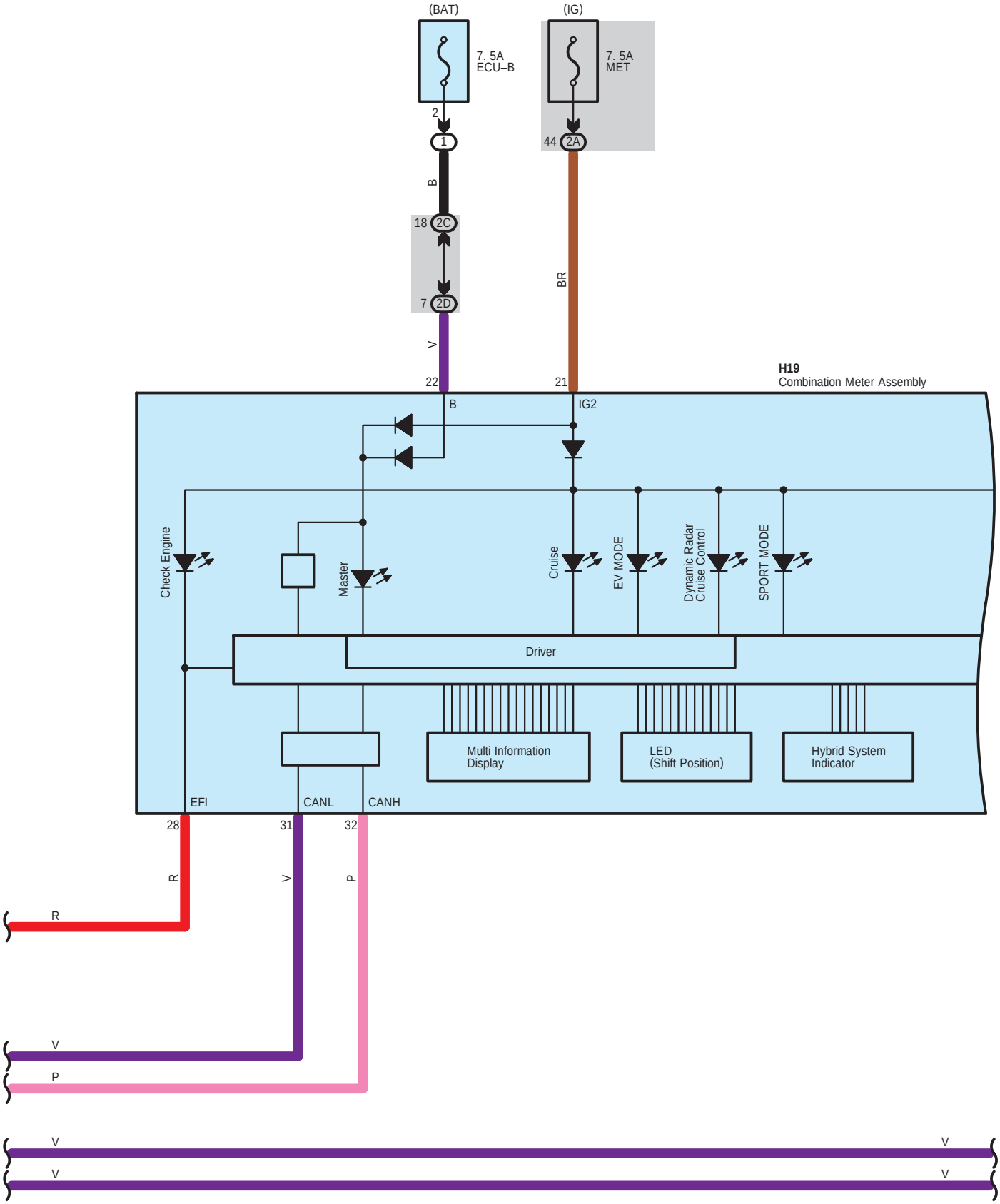

A60(A), D27(B)
ECM
O1B–
OX1B
HT1B
GE01
M–
M+
VTA1
VTA2
VCTA
ETA
102
125
41
22
20
21
90
89
88
111
W–B
(*1)
P
L
BR
Y
B
R
G
4
3
1
E2
OX1B
HT1B
+B
2
D9
Oxygen Sensor
(Bank 1 Sensor 2)
1
2
6
4
5
3
M–
M+
VTA
VTA2
VC
E2
D4
Throttle Body Assembly
(*5)
(*6)
BR
V

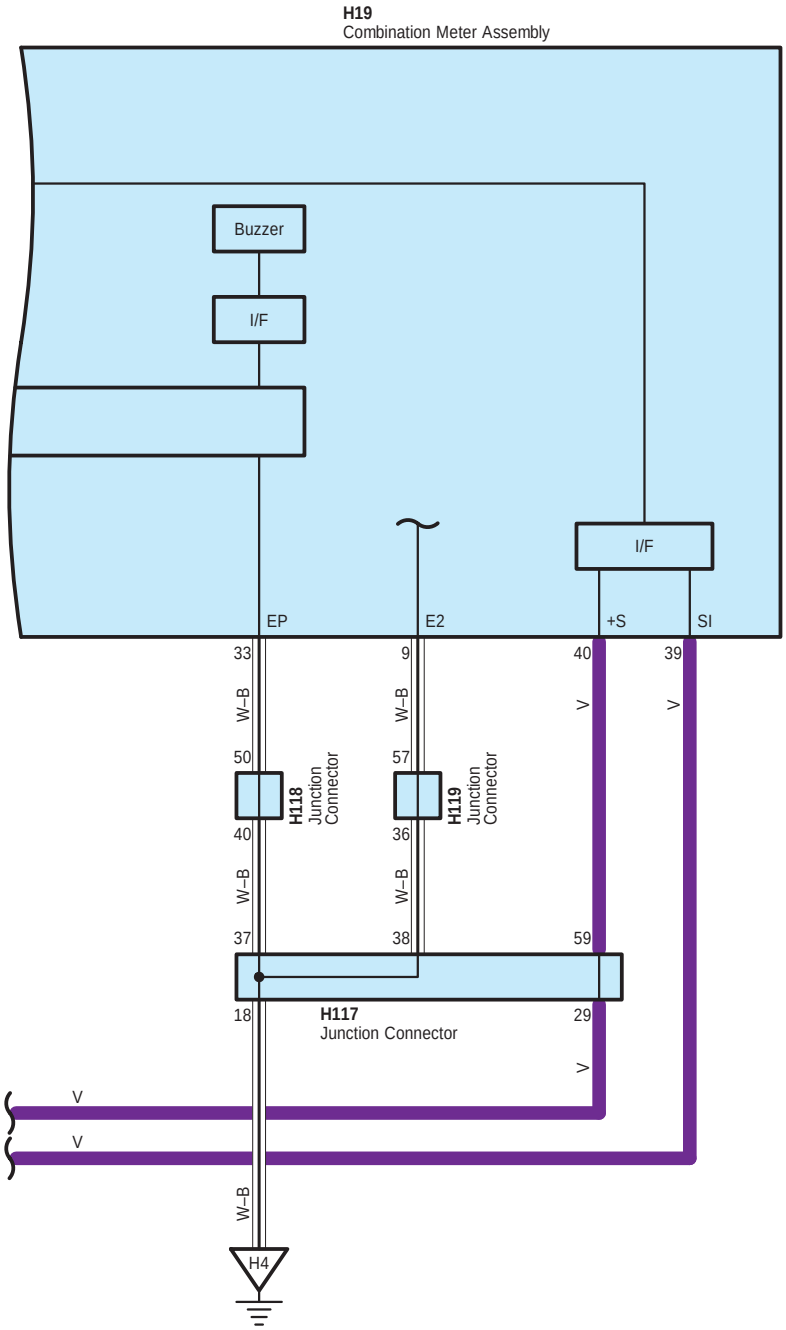

A60(A), D27(B)
ECM
THA
ETHA
VG
E2G
E1
ME01
NE+
NE–
116
93
94
117
104
19
74
120
(*1)
P
BR
B
W
1
2
5
4
THA
E2
VG
E2G
+B
3
D5
Intake Mass Air Flow Meter
Sub–Assembly
L
(*6)
NE
NE–
D26
Crank Position Sensor
(*5)
V
D1


A60(A), D27(B)
ECM
KNK1
EKNK
E01
E02
E03
E04
OC1+
OC1–
ETHW
THW
87 B
110 B
109 B
81 B
86 B
46 B
36 B
59 B
65 B
64 B
(*1)
B
W
BR
W–B
G
Y
(*6)
(*5)
P
2 DF1
1 DF1
F1
Knock Control Sensor
D24
Camshaft Timing
Oil Control Valve Assembly
(Intake Side)
D6
E. F. I. Engine Coolant
Temperature Sensor
* 1 : Shielded
* 5 : 2ZR–FXE
* 6 : 5ZR–FXE
V
P
L
D1
D2

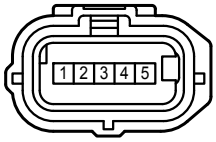

A60(A), D27(B)
ECM
G2+
VCV1
G2–
VCPM
EPIM
PIM
NE01
PWMS
FANH
FANL
76 B
99 B
122 B
72 B
71 B
69 B
30 A
46 A
22 A
21 A
B
R
W
L
Y
B
L
G
LG
L
41 AH2
20 AH2
1
3
2
3
2
1
VVI+
VC
VVI–
VC
E2
PIM
D18
VVT Sensor (Intake Side)
D3
E. F. I. Vacuum Sensor Assembly
FAN NO. 1 Relay
FAN NO. 2 Relay
FAN NO. 3 Relay
L
G
4
6
NORM
PWR
NORMAL
SPORT
E
H72
Combination
Switch Assembly
14
W–B
48
18
H117
Junction
Connector
W–B
V
P
L
V
V
V
P
L
V
V
H4


A60(A), D27(B)
ECM
IGT1
IGT2
IGT3
IGT4
IGF1
TC
TACH
W
108 B
107 B
106 B
105 B
23 B
7 A
26 A
36 A
P (*6) GR (*5)
G (*6) W (*5)
P (*6) G (*5)
Y
L
P
B
LG
28 AH2
64 AH2
62 AH2
BR
B
R
IGT1 IGF
IGT2 IGF
IGT3 IGF
IGT4 IGF
D22 Ignition Coil Assembly No. 1
D21 Ignition Coil Assembly No. 2
D20 Ignition Coil Assembly No. 3
D19 Ignition Coil Assembly No. 4
61
51
21
H118 Junction Connector
G (*6) L (*5)
L (*5)
G (*6)
13
9
TC
TAC
H44
DLC3
* 5 : 2ZR–FXE
* 6 : 5ZR–FXE
V
P
L
V
V


(BAT)
(IG)
7. 5A
ECU–B
7. 5A
MET
2
1
44
2A
B
18
2C
7
2D
BR
V
22
21
H19
Combination Meter Assembly
B
IG2
Check Engine
Master
Cruise
EV MODE
Dynamic Radar
Cruise Control
SPORT MODE
Driver
Multi Information
Display
LED
(Shift Position)
Hybrid System
Indicator
EFI
CANL
CANH
28
31
32
R
V
P
R
V
P
V
V
V
V

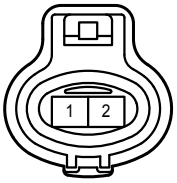

H19
Combination Meter Assembly
Buzzer
I/F
I/F
EP
E2
+S
SI
33
9
40
39
W–B
W–B
V
V
50
57
H118
Junction
Connector
H119
Junction
Connector
40
36
W–B
W–B
37
38
59
18
H117
Junction Connector
29
V
V
V
W–B
H4

A 2
Black

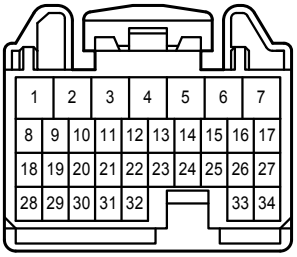


A 15
Gray

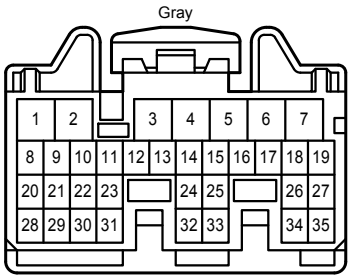
A 16
Black



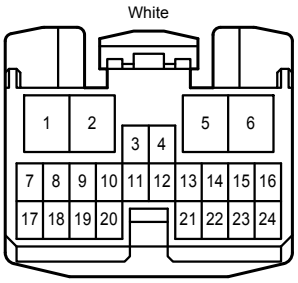
A 19
Gray



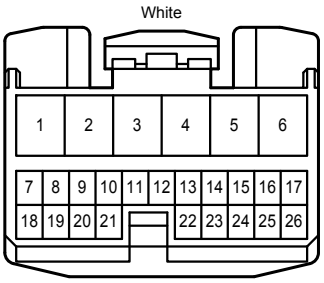
A 20
Gray



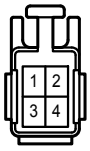
A 21
White



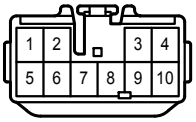
A 22
White



A 25
Green



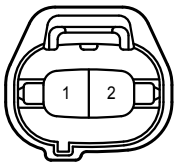
A 27
Black



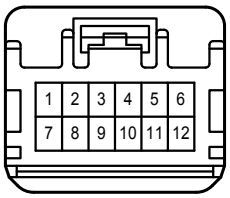
A 28
Black

A 29
Black

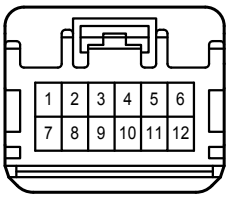
A 31
Black



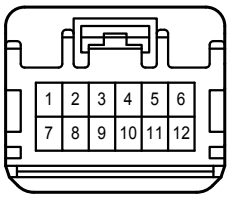
A 50
White



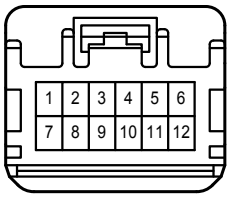
A 51
White



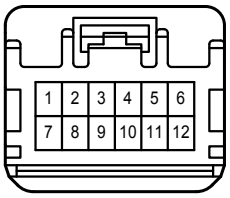
A 52
Black



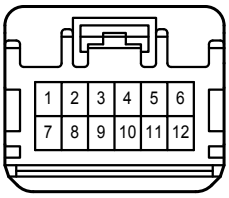
A 53
Black



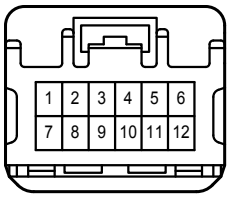
A 55
Black



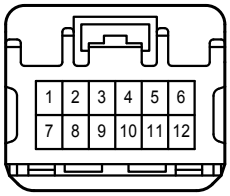
A 56
White



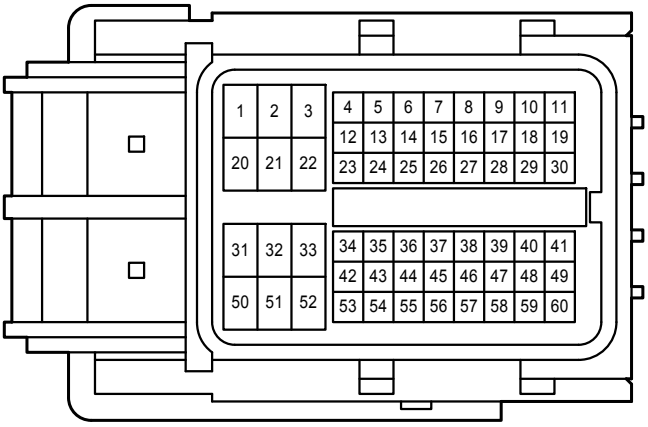
A 57
Blue



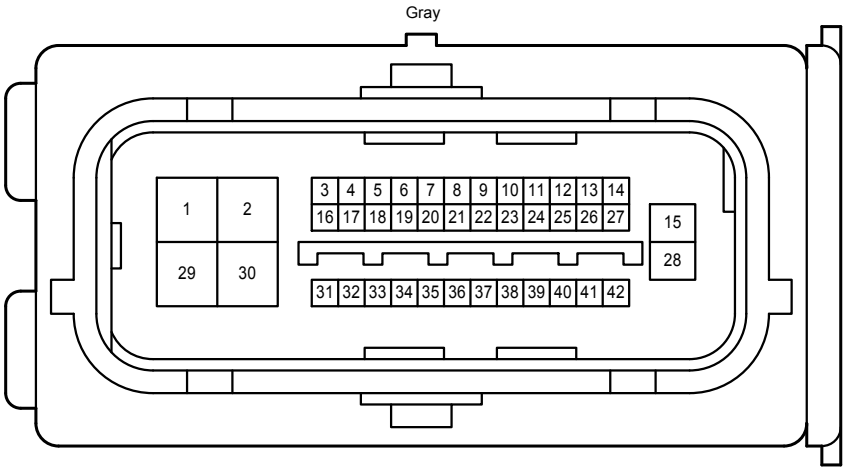
A 58
Gray



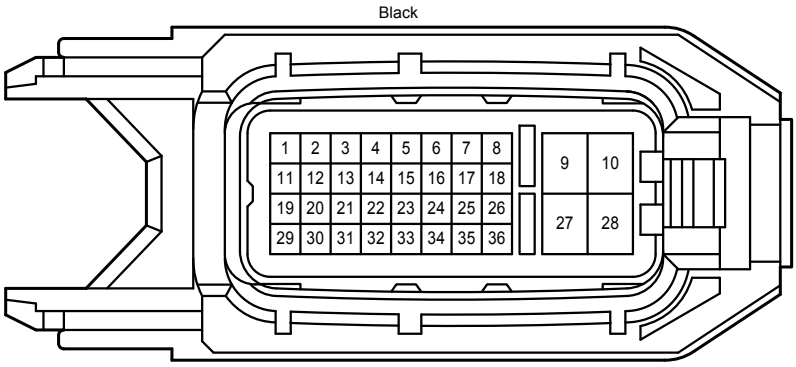
A 60
Black



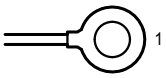
A 61
Gray



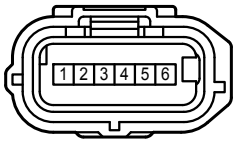
A 62
Black



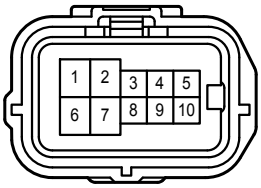
B 1



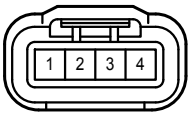
D 1
Black



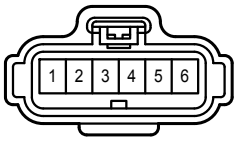
D 2
Black



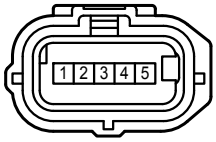
D 3
Black



D 4
Black

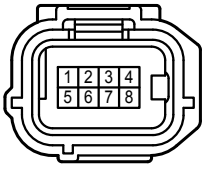


D 5
Black

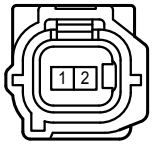


D 6
Black

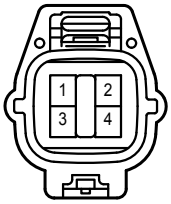
D 7
Gray



D 8
Black

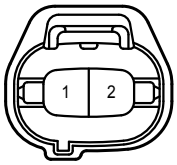


D 9
Gray



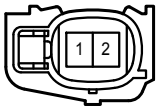
D 10
Black

D 11
Black

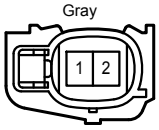


D 13
Black

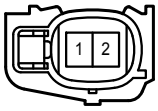
D 14
Black



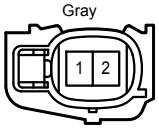
D 15
Gray



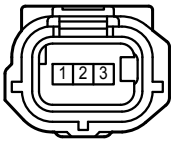
D 16
Black



D 17
Gray

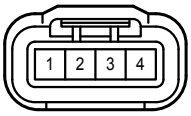


D 18
Black



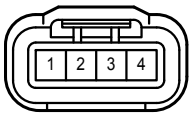
D 19
Gray

D 20
Black



D 21
Gray

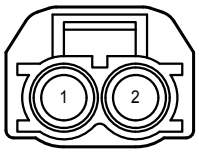
D 22
Black



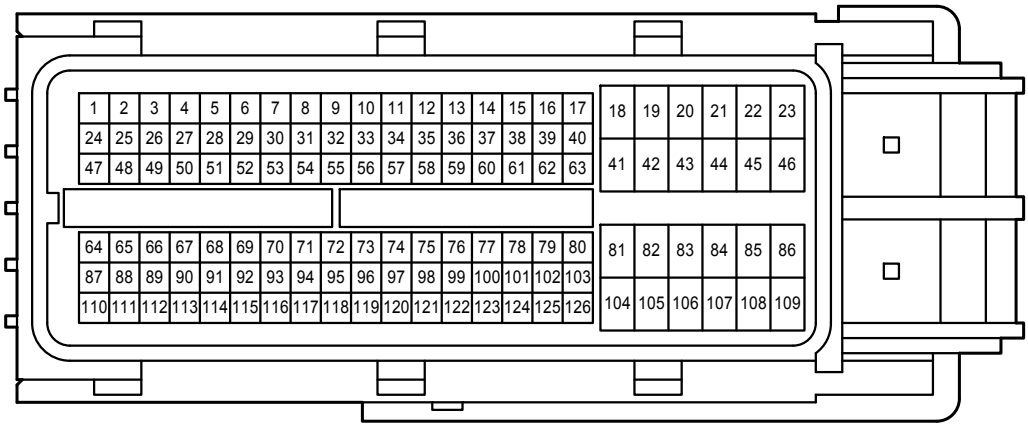
D 23
Dark Gray

D 24
Gray

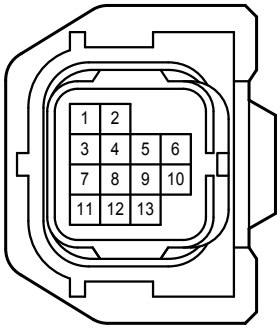
D 26
Black



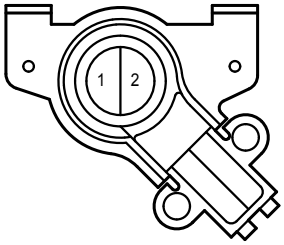
D 27
Black



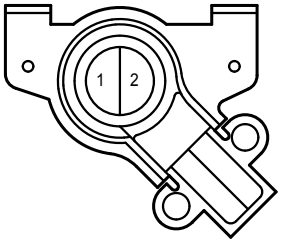
D 28
Black



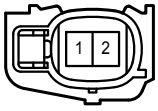
E 2
White



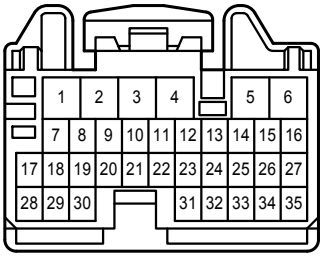
E 3
White



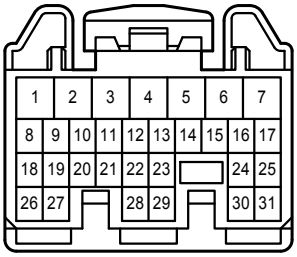
F 1
Black



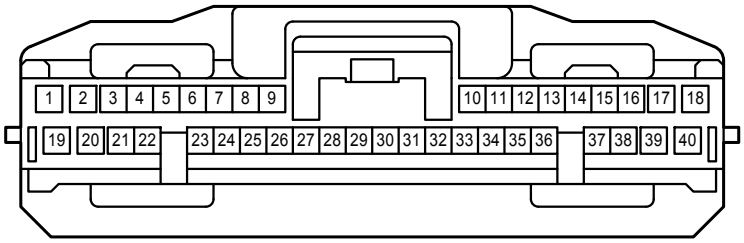
H 3
Gray



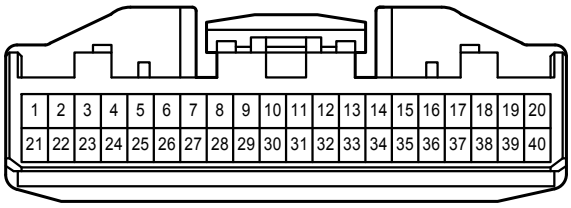
H 4
Gray



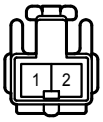
H 5
White



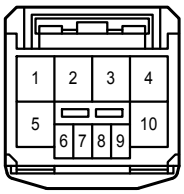
H 19
White



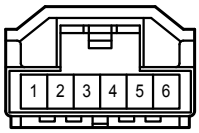
H 24
Blue



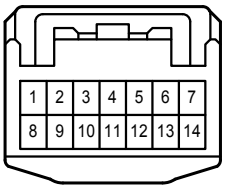
H 27
White



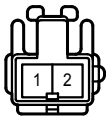
H 29
White



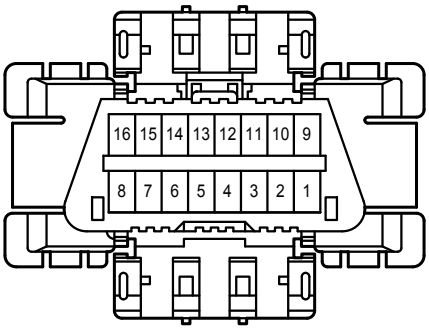
H 30
Black



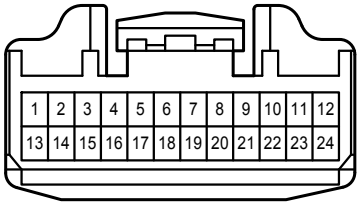
H 33
White



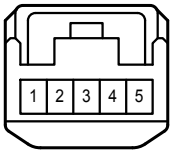
H 44
White



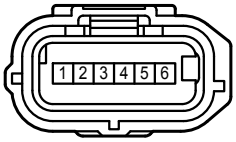
H 72
Black



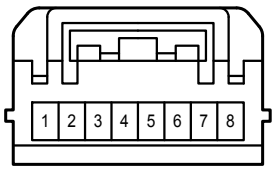
H 76
White



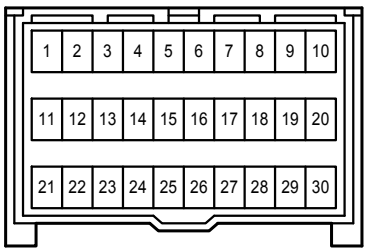
H 77
Black



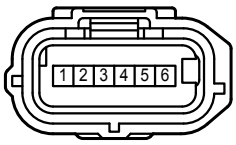
H 81
Black



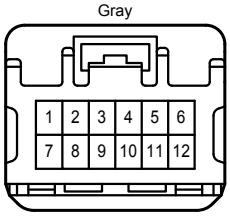
H 84
Yellow



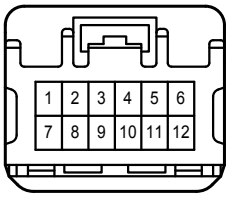
H 87
Black



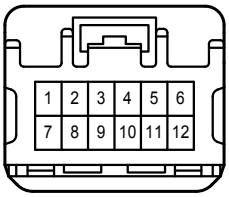
H 95
Gray



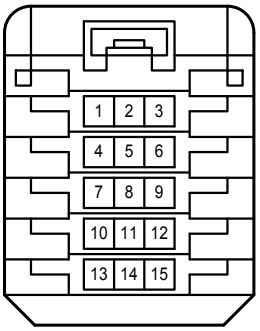
H 97
Black



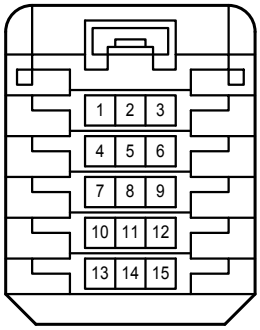
H 98
Black



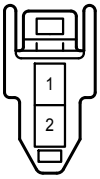
H104
White



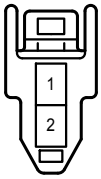
H105
White



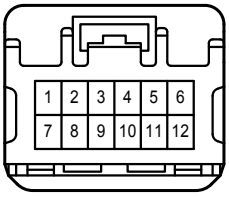
H106
White



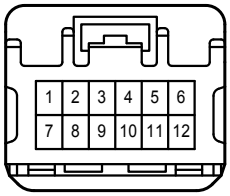
H108
White



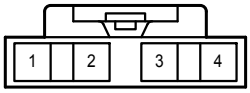
H112
Blue



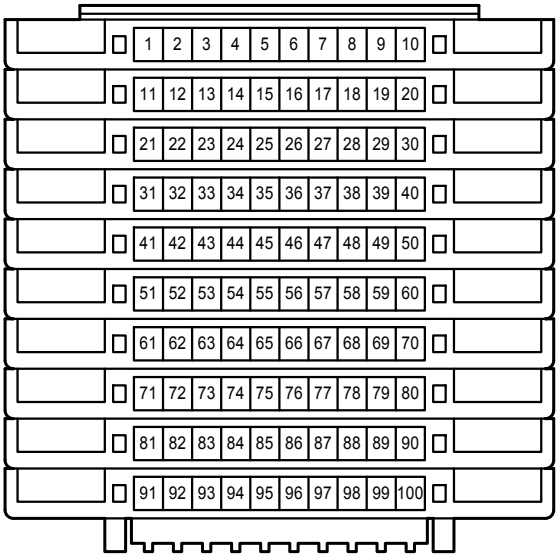
H113
Gray



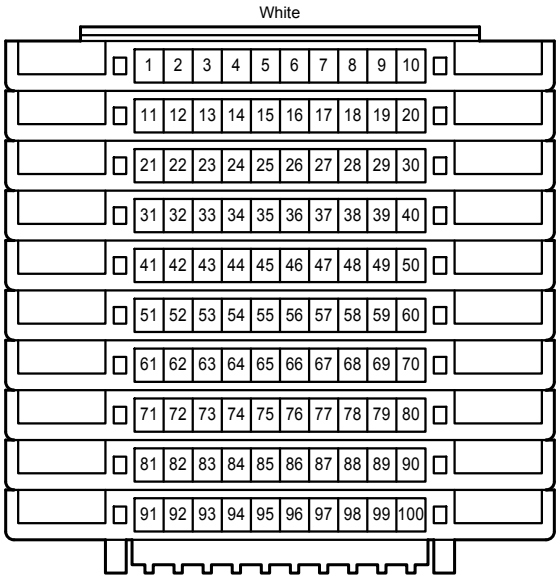
H114
White



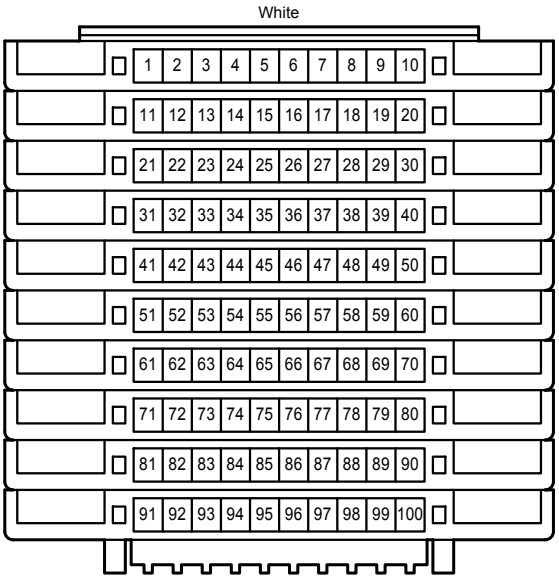
H117
White



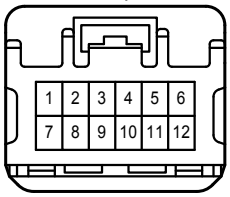
H118
White



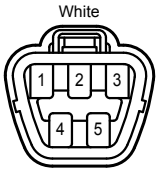
H119
White



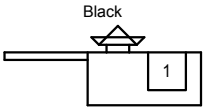
H138
Gray



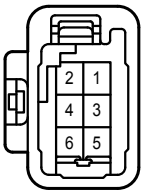
P 9
White



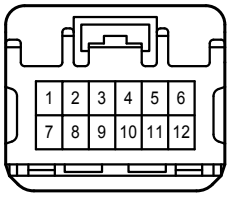
P 16
Black



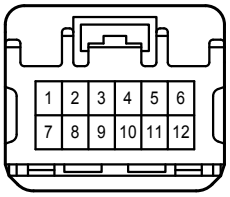
P 22
White



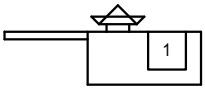
P 23
Black



P 24
White

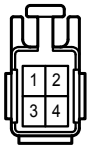


P 27
Black

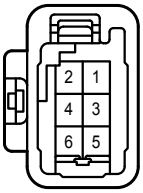


Q 13
Black

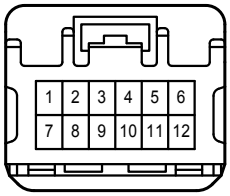
Q 14
White



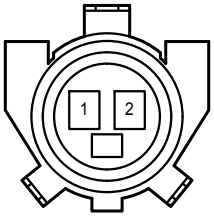
Q 15
White



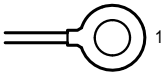
Q 18
White



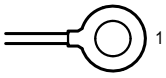
S 1
White



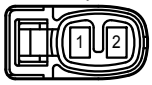
S 3



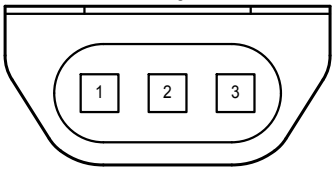
S 4



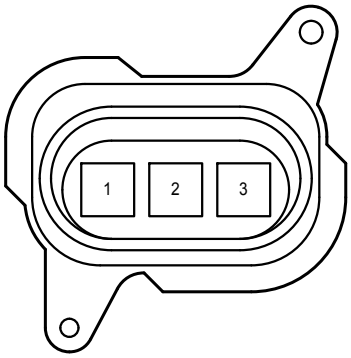
a 1
Gray



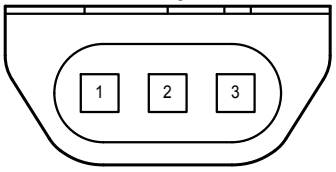
c 1
Orange



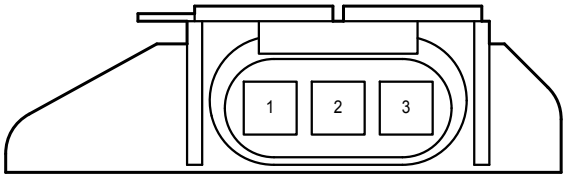
c 2
Black



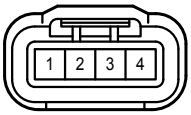
d 1
Orange



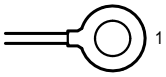
d 2
Black



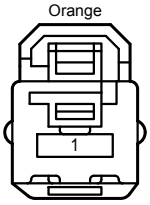
e 1
Black



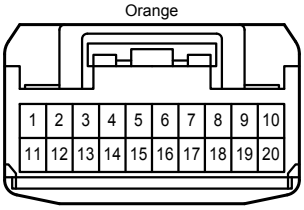
f 1



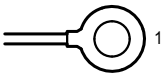
f 2
Orange



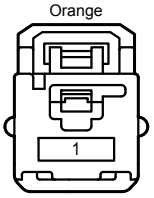
g 1
Orange



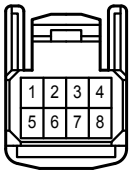
h 1



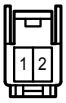
h 2
Orange



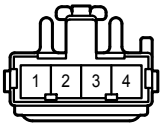
i 1
White



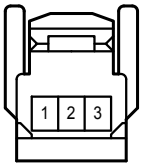
i 2
White



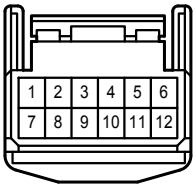
i 3
White



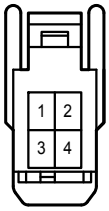
i 4
White



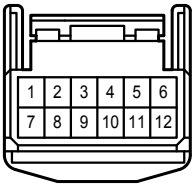
z 4
Black



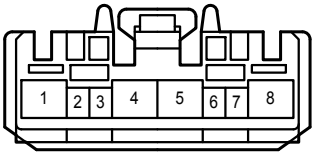
z 5
White



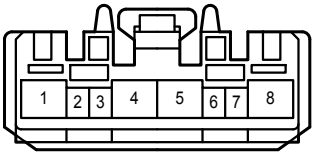
z 10
Black



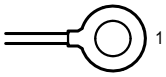
1A
White



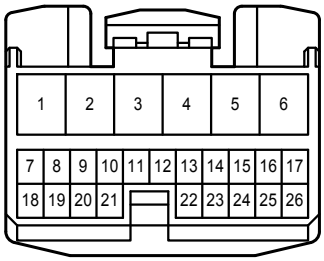
1B
White



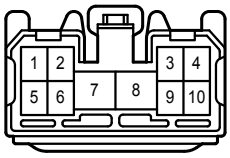
1F



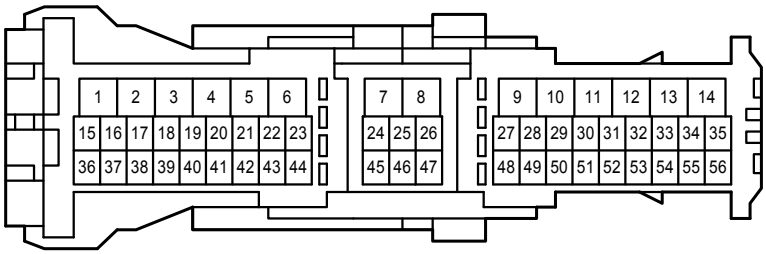
1G
White



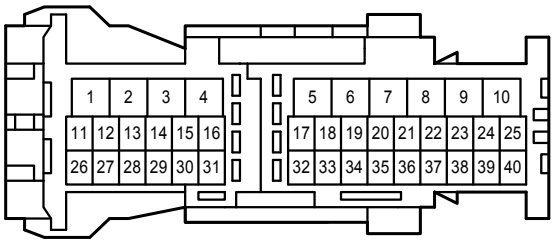
1H
White



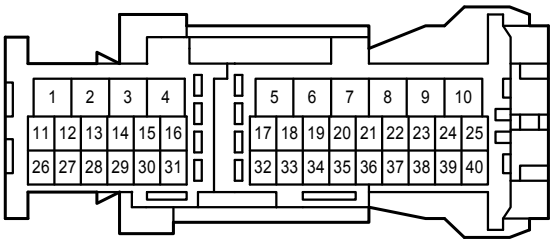
2A
White



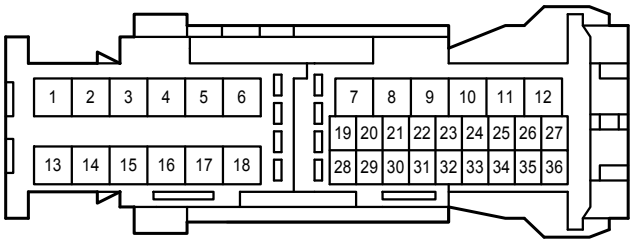
2B
White



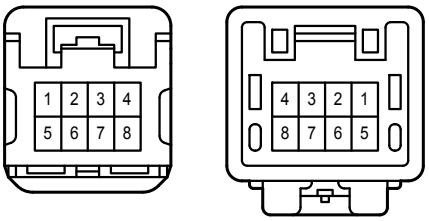
2C
White



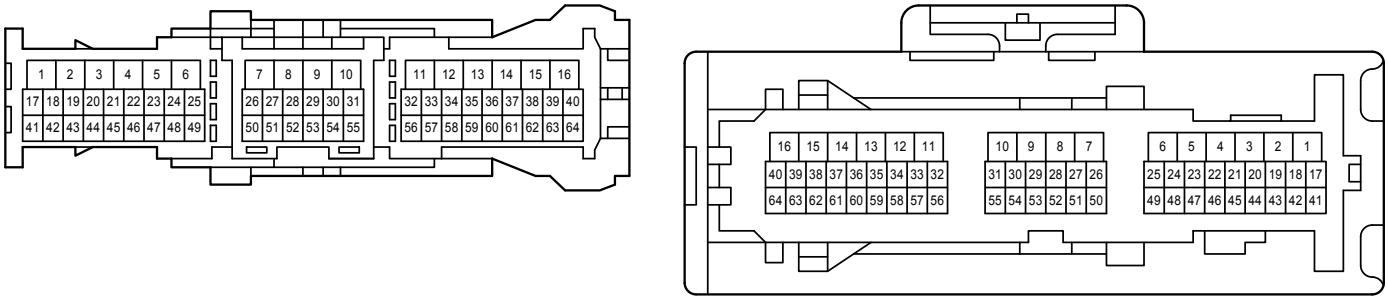
2D
White



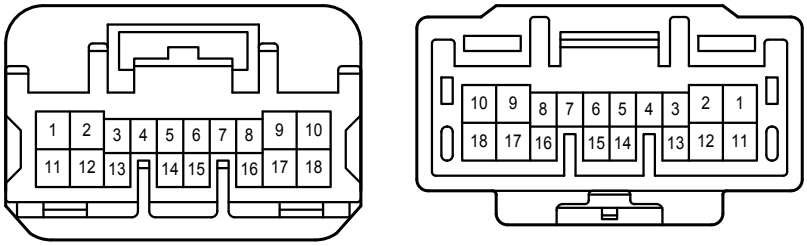
AH1
Blue



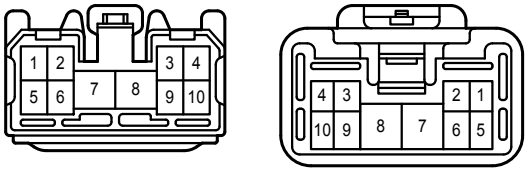
AH2
White



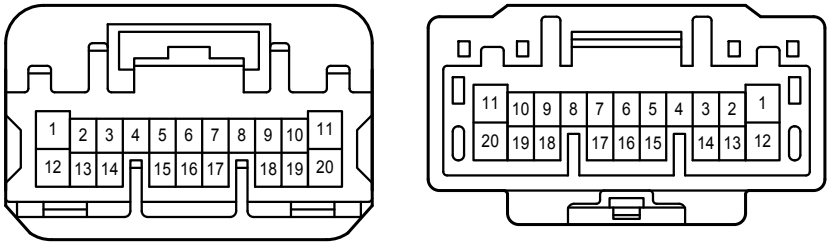
AH5
Black



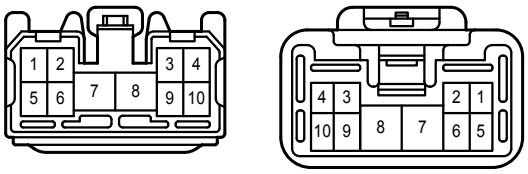
AP1
White



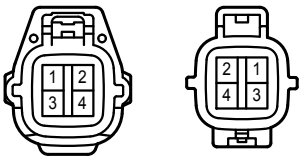
AQ1
White

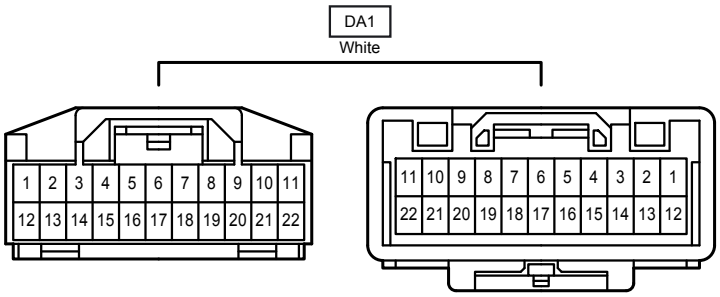


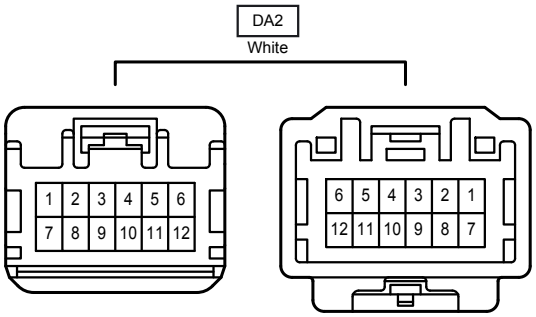
AQ2
White

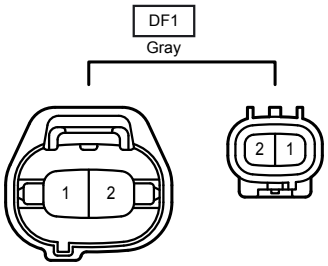


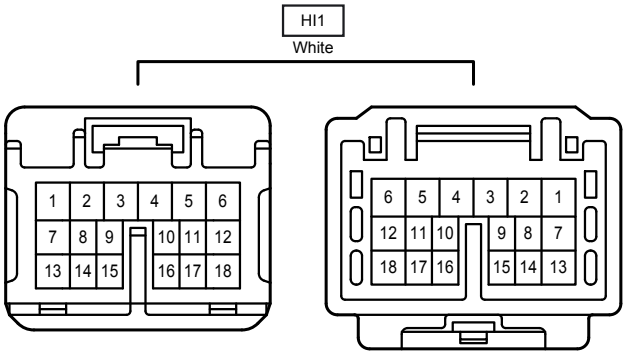
Ae1
Black

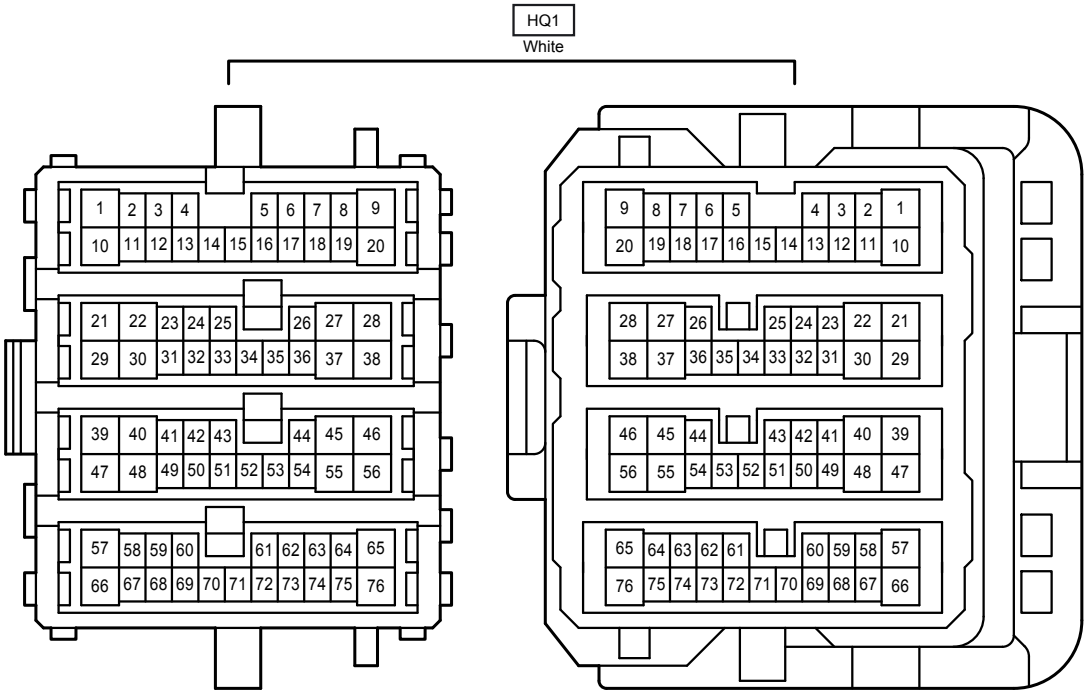


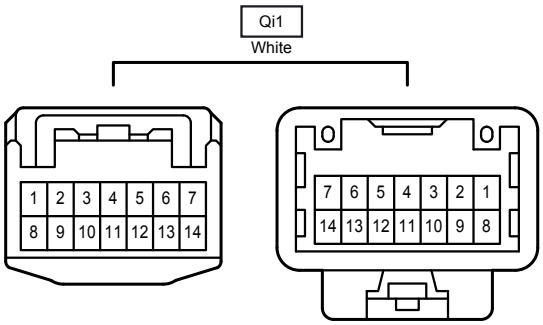

DA1
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12

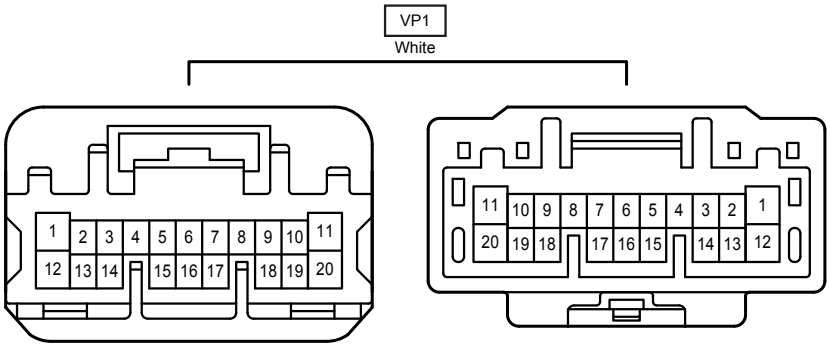

DA2
White
1 2 3 4 5 6
7 8 9 10 11 12
6 5 4 3 2 1
12 11 10 9 8 7

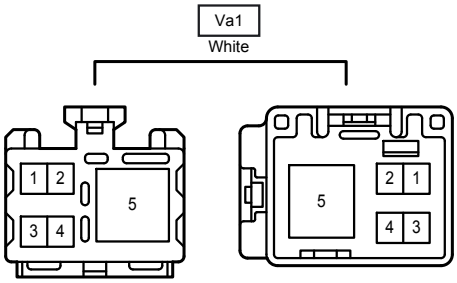

DF1
Gray
1 2
2 1


HI1
White
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


HQ1
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
57 58 59 60 61 62 63 64 65
66 67 68 69 70 71 72 73 74 75 76
9 8 7 6 5 4 3 2 1
20 19 18 17 16 15 14 13 12 11 10
28 27 26 25 24 23 22 21
38 37 36 35 34 33 32 31 30 29
46 45 44 43 42 41 40 39
56 55 54 53 52 51 50 49 48 47
65 64 63 62 61 60 59 58 57
76 75 74 73 72 71 70 69 68 67 66


Qi1
White
1 2 3 4 5 6 7
8 9 10 11 12 13 14
7 6 5 4 3 2 1
14 13 12 11 10 9 8


VP1
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


Va1
White
1 2
3 4
5
5
2 1
4 3