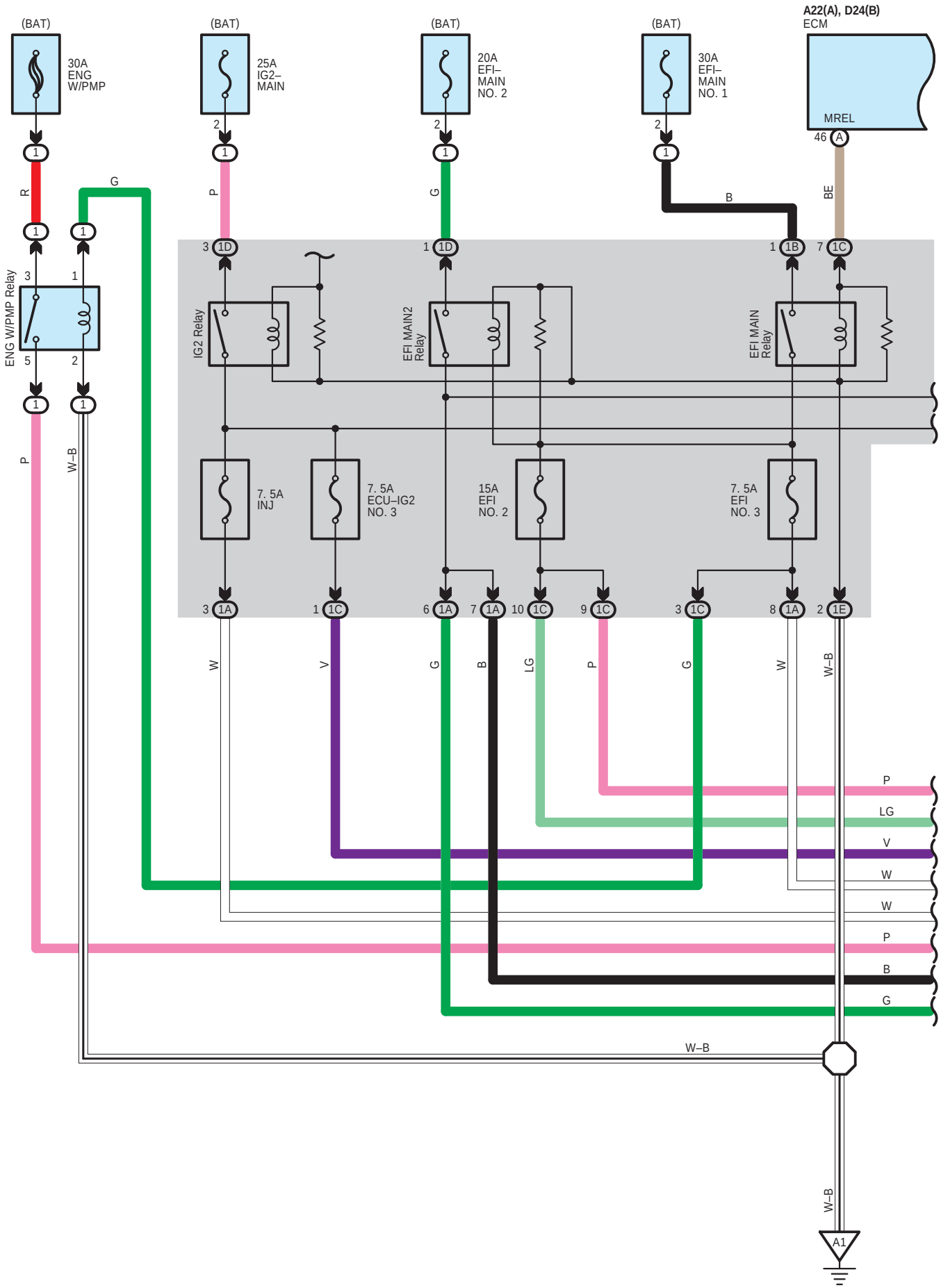
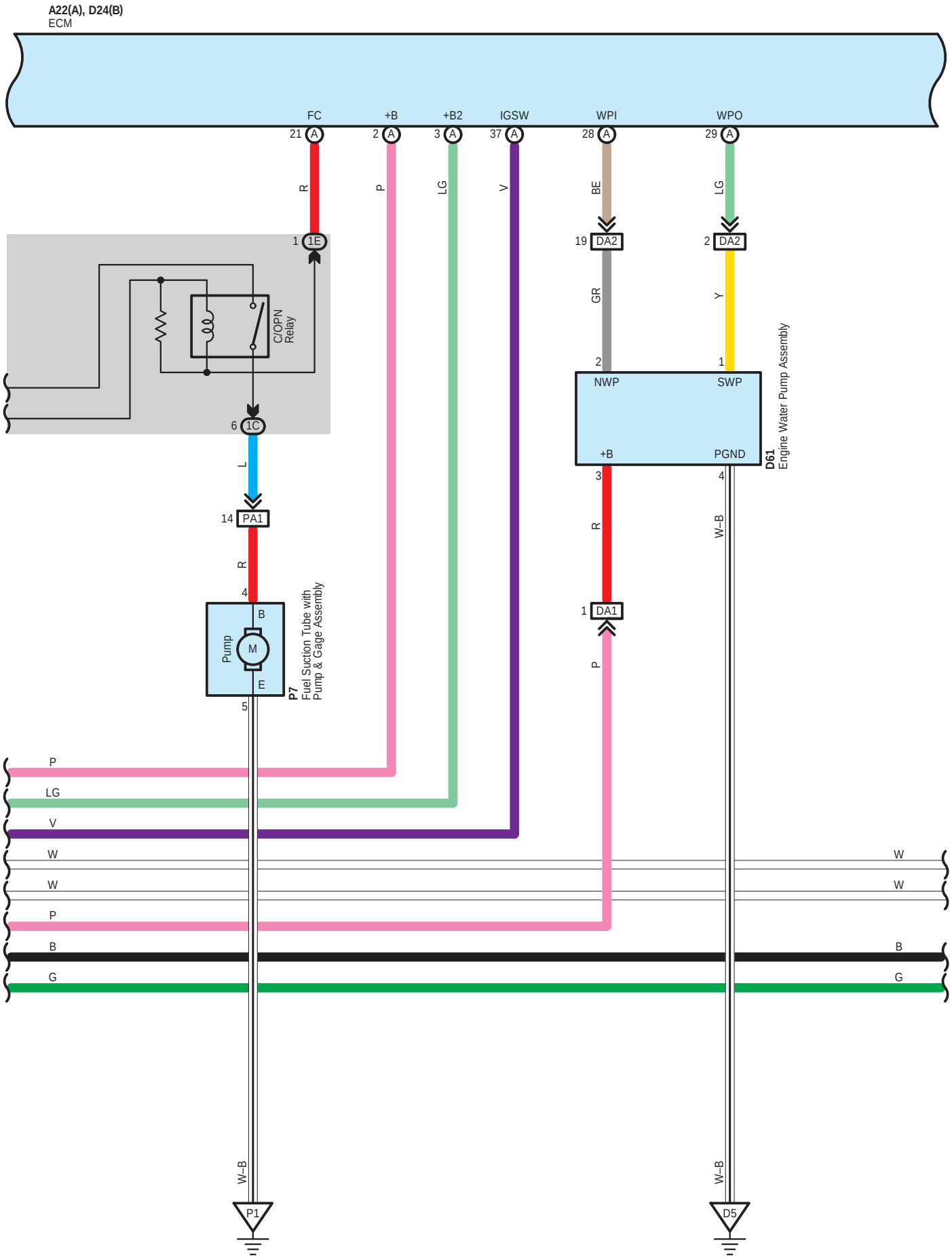
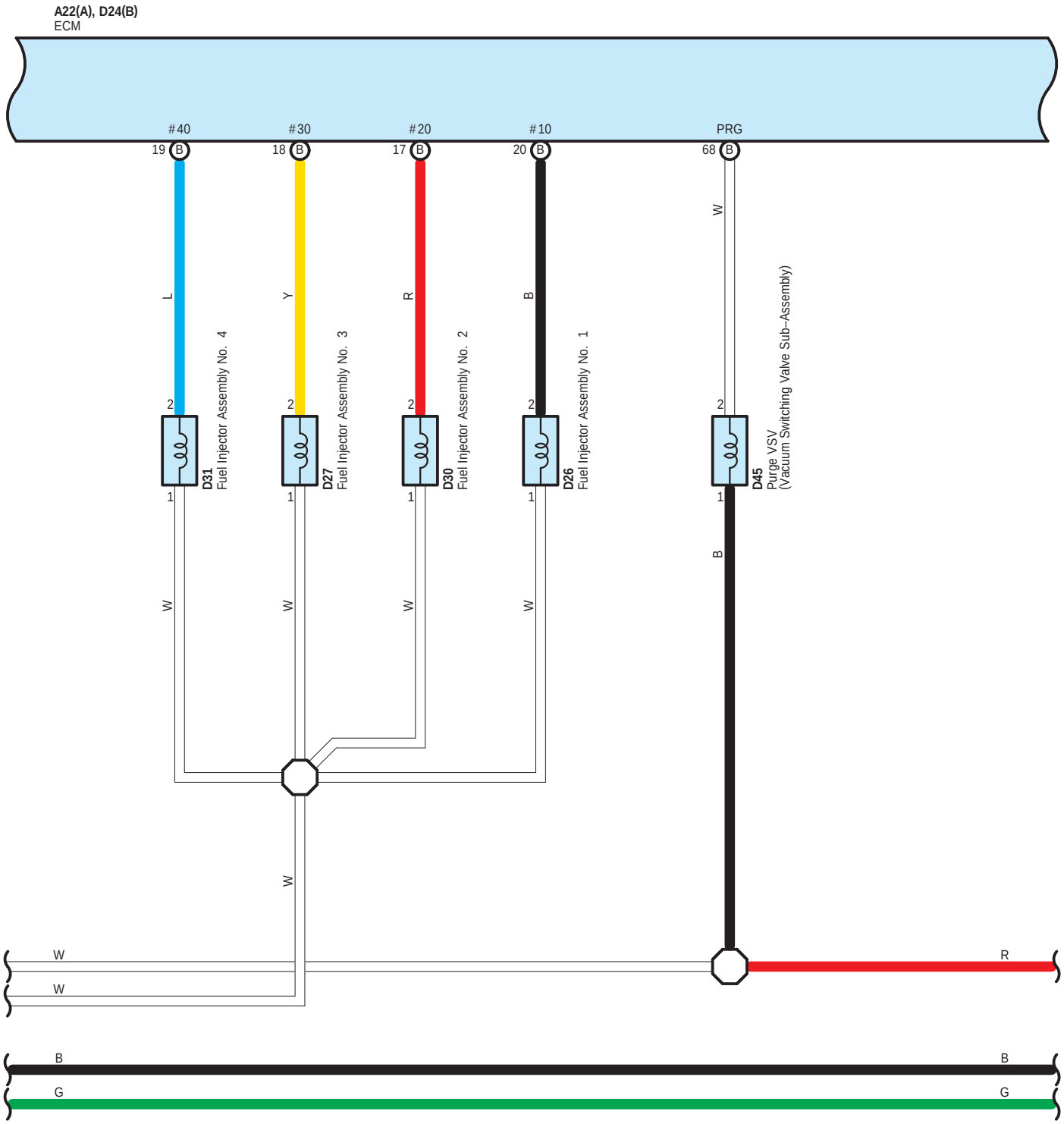
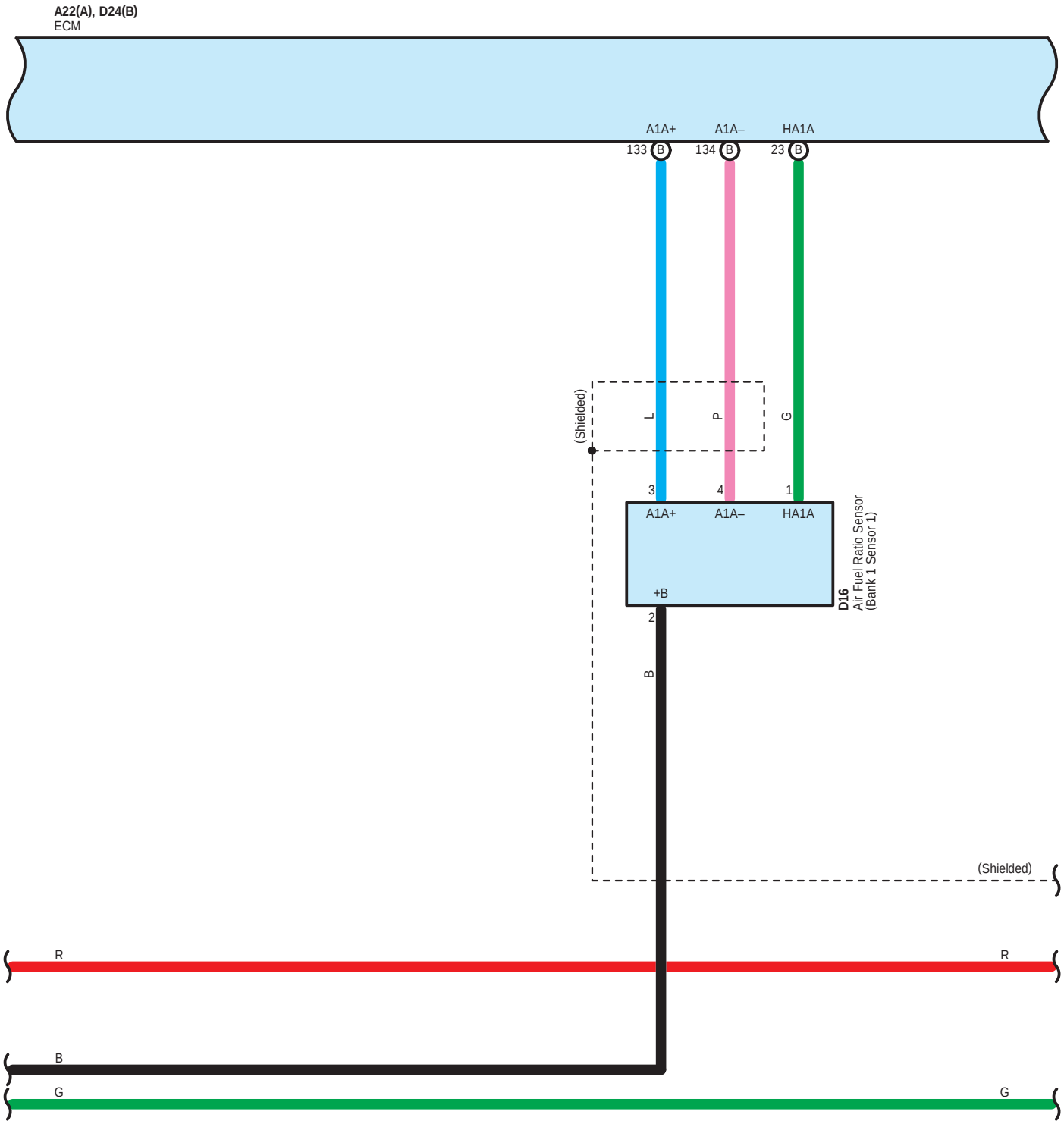
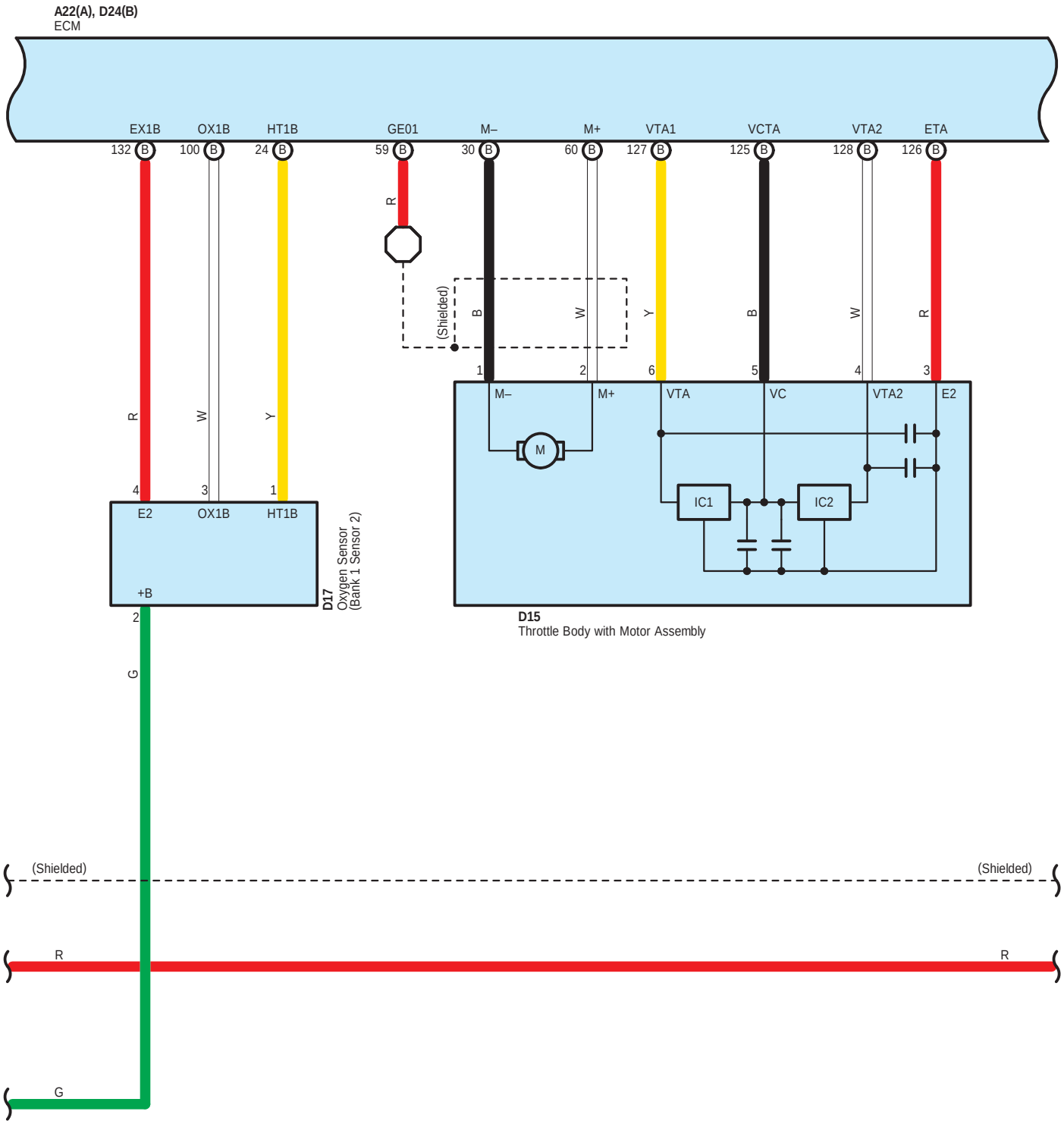
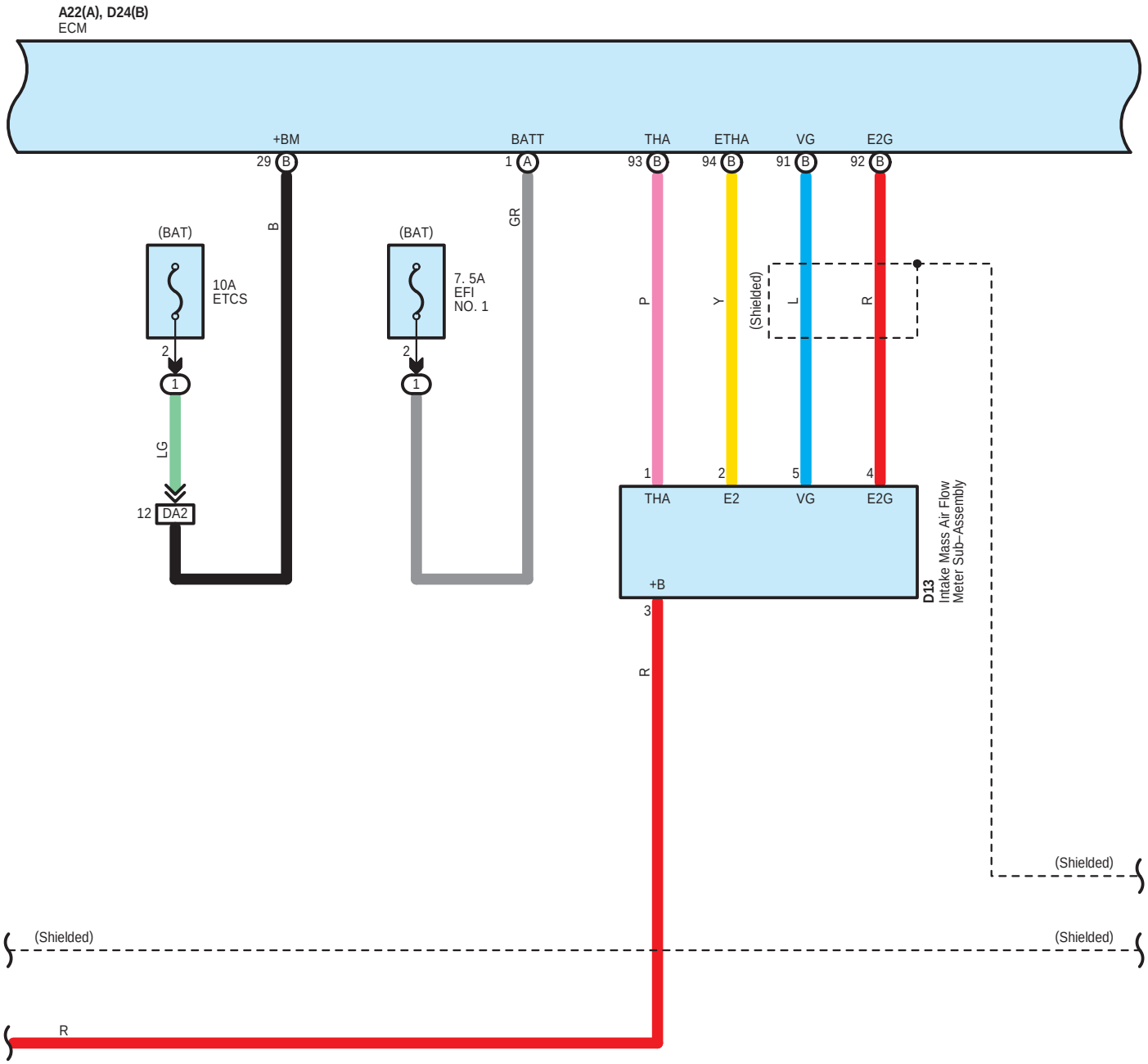

(BAT)
30A
ENG
W/PMP
(BAT)
25A
IG2–
MAIN
(BAT)
20A
EFI–
MAIN
NO. 2
(BAT)
30A
EFI–
MAIN
NO. 1
A22(A), D24(B)
ECM
MREL
46 A
ENG W/PMP Relay
IG2 Relay
EFI MAIN2
Relay
EFI MAIN
Relay
7. 5A
INJ
7. 5A
ECU–IG2
NO. 3
15A
EFI
NO. 2
7. 5A
EFI
NO. 3
R
G
P
B
BE
W–B
W
V
LG
A1

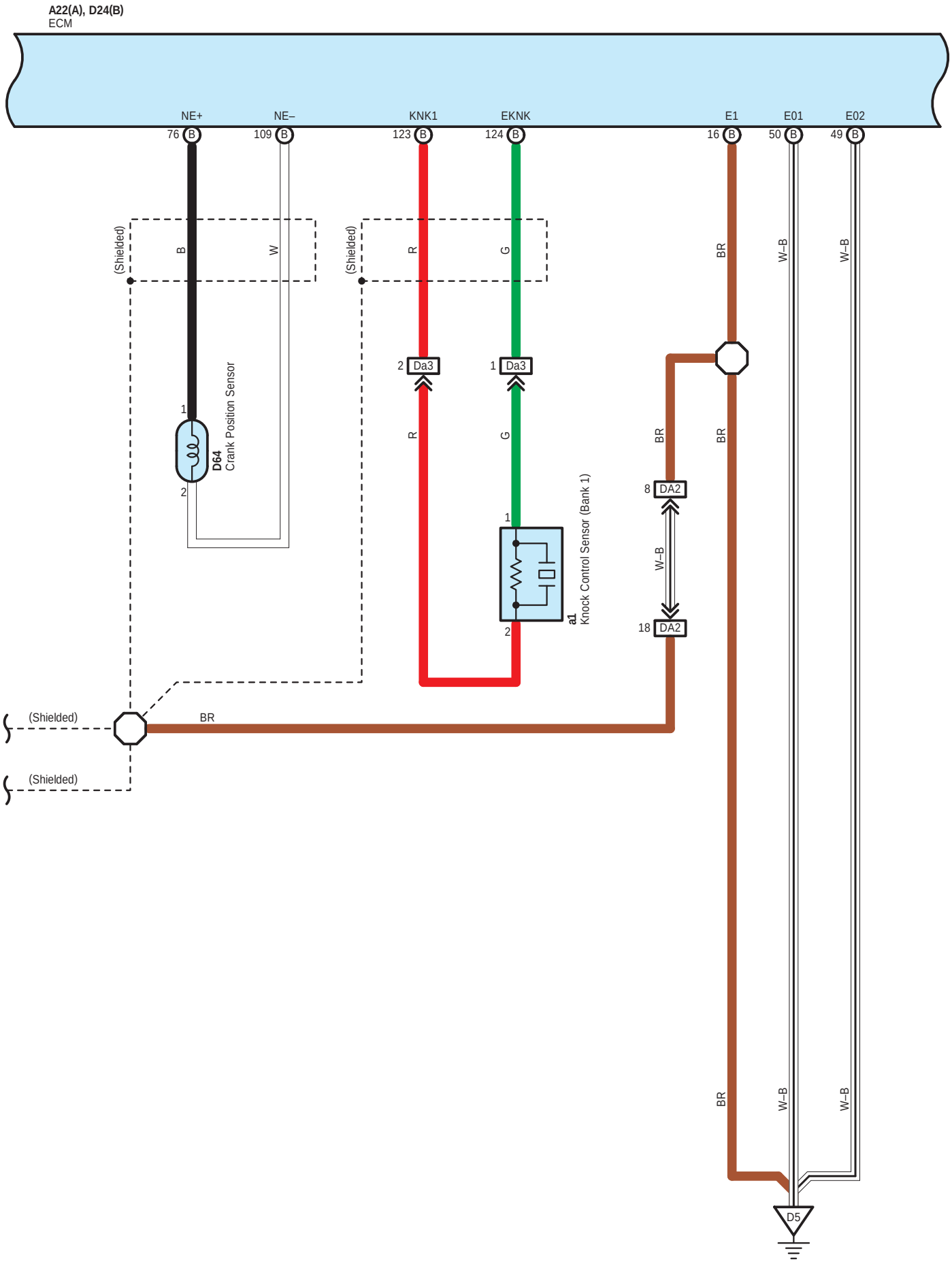

A22(A), D24(B)
ECM
FC
+B
+B2
IGSW
WPI
WPO
21 A
2 A
3 A
37 A
28 A
29 A
R
P
LG
V
BE
LG
1 1E
19 DA2
2 DA2
GR
Y
C/OPN Relay
2
1
NWP
SWP
+B
PGND
D61
Engine Water Pump Assembly
6 1C
L
3
4
14 PA1
R
W–B
4
R
1 DA1
B
Pump
M
E
P7
Fuel Suction Tube with Pump & Gage Assembly
5
P
P
LG
V
W
W
W
W
P
B
B
G
G
W–B
W–B
P1
D5

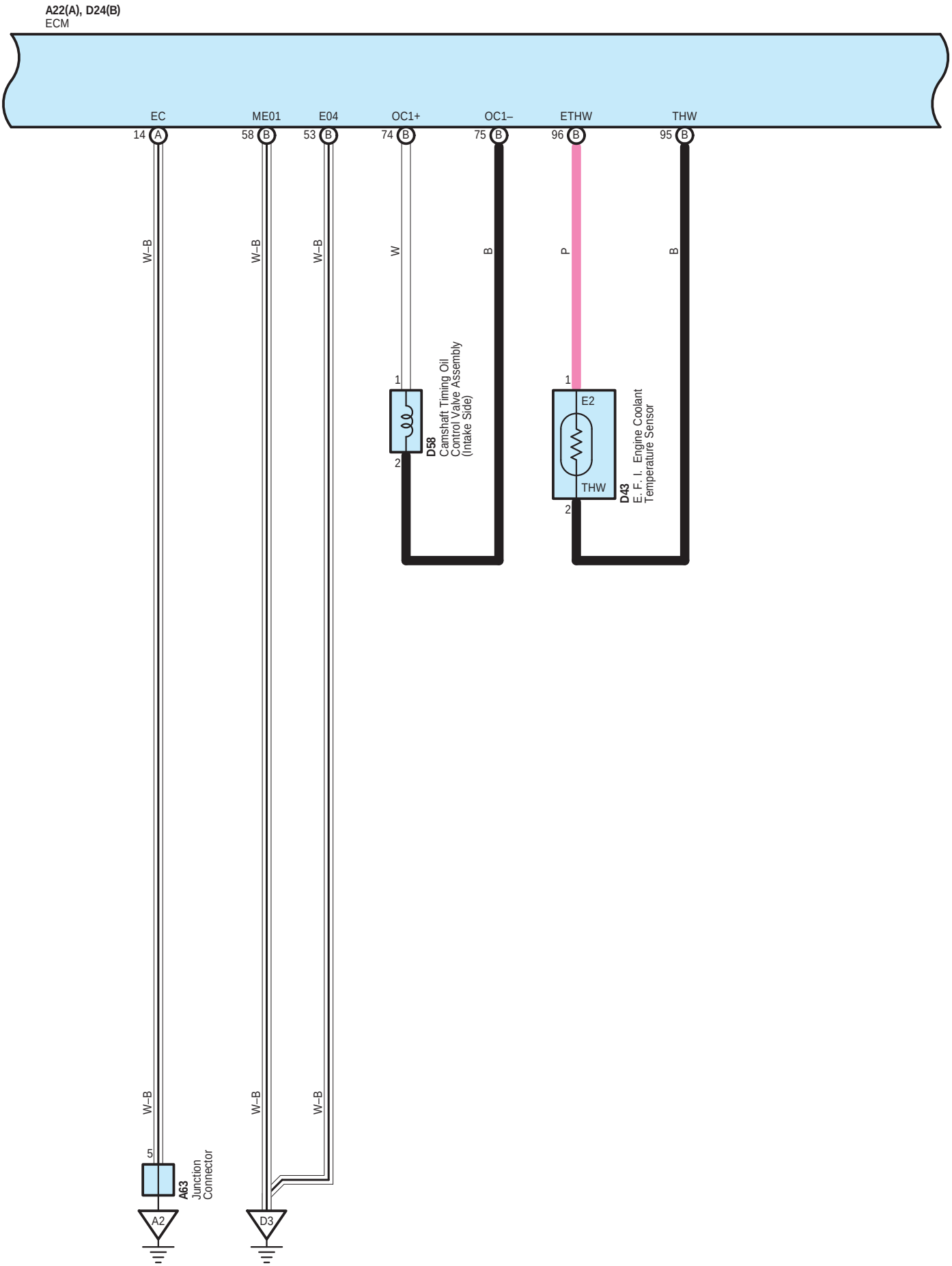

A22(A), D24(B)
ECM
#40
#30
#20
#10
PRG
19 B
18 B
17 B
20 B
68 B
L
Y
R
B
W
2
1
D31
Fuel Injector Assembly No. 4
D27
Fuel Injector Assembly No. 3
D30
Fuel Injector Assembly No. 2
D26
Fuel Injector Assembly No. 1
D45
Purge VSV
(Vacuum Switching Valve Sub–Assembly)
W
B
R
G

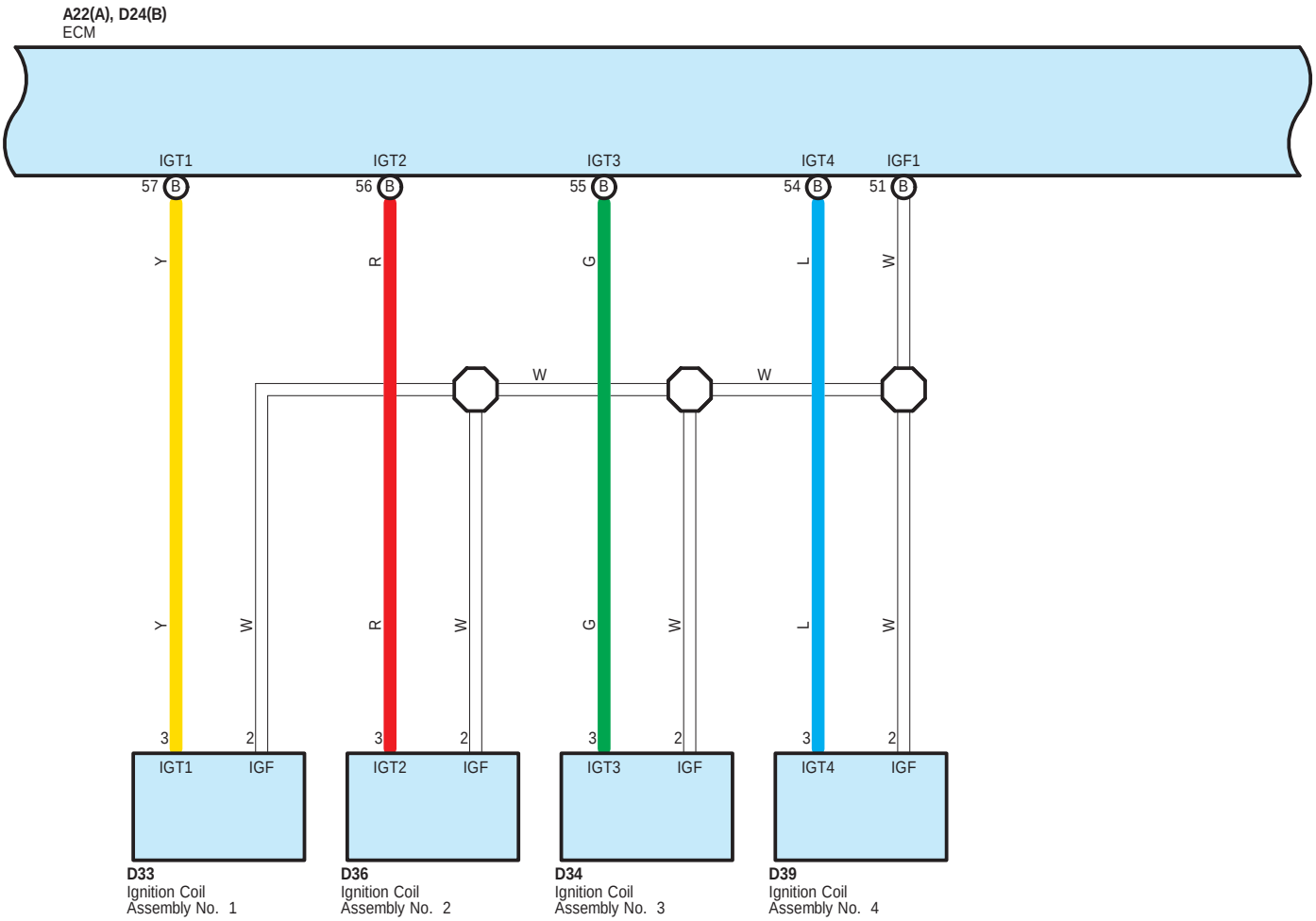

A22(A), D24(B)
ECM
A1A+
A1A–
HA1A
133 B
134 B
23 B
(Shielded)
L
P
G
3
4
1
A1A+
A1A–
HA1A
+B
2
D16
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
B
(Shielded)
R
R
B
G
G

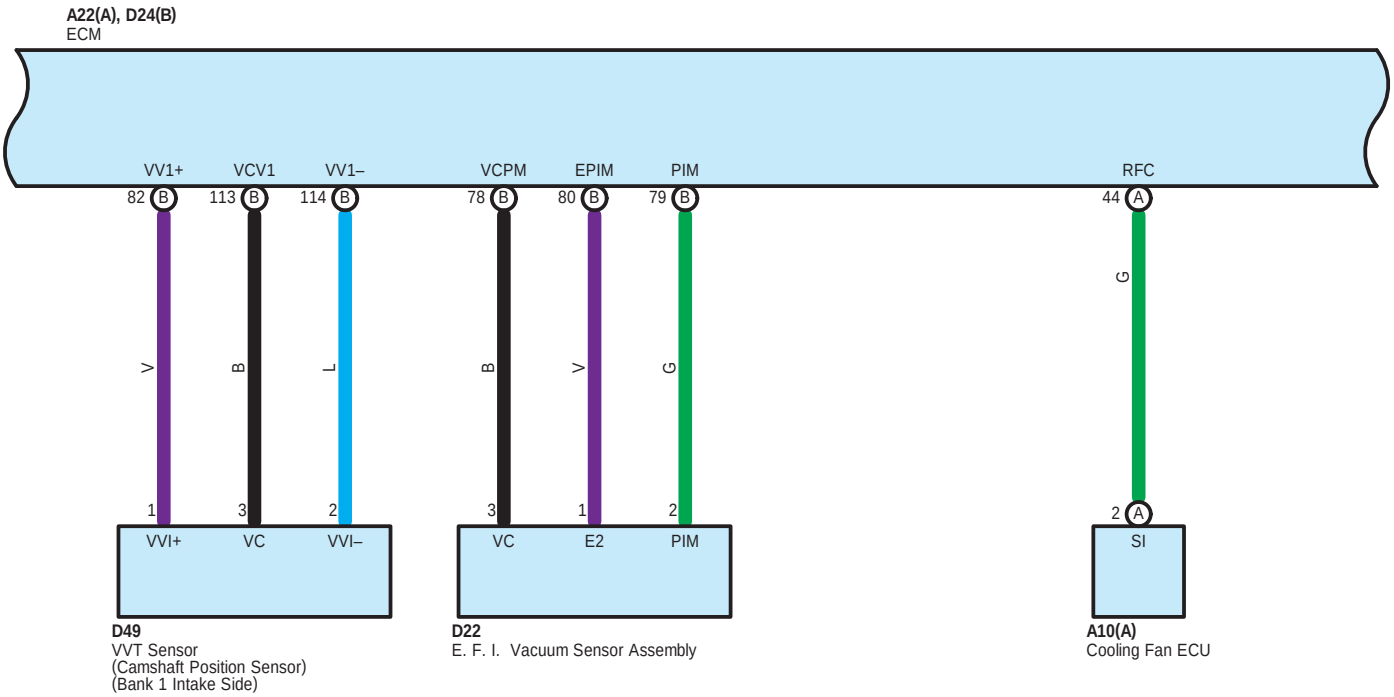

A22(A), D24(B)
ECM
EX1B
OX1B
HT1B
GE01
M–
M+
VTA1
VCTA
VTA2
ETA
132 B
100 B
24 B
59 B
30 B
60 B
127 B
125 B
128 B
126 B
R
W
Y
B
(Shielded)
1
2
6
5
4
3
M–
M+
VTA
VC
VTA2
E2
M
IC1
IC2
4
3
1
E2
OX1B
HT1B
+B
2
D17
Oxygen Sensor
(Bank 1 Sensor 2)
D15
Throttle Body with Motor Assembly
G
(Shielded)
(Shielded)
R
R
G

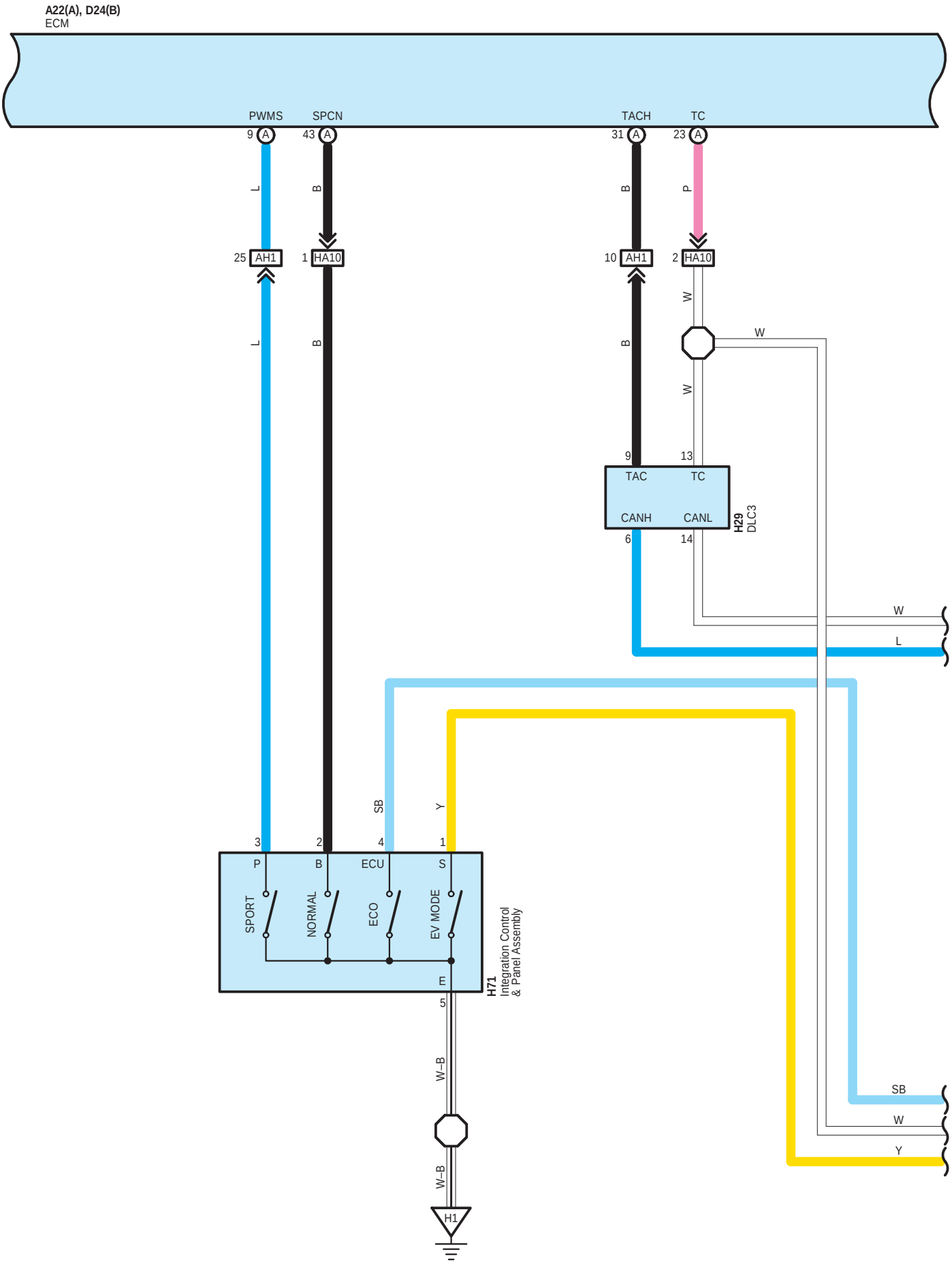

A22(A), D24(B)
ECM
+BM
BATT
THA
ETHA
VG
E2G
29 B
1 A
93 B
94 B
91 B
92 B
(BAT)
10A
ETCS
2
1
LG
12 DA2
B
(BAT)
7. 5A
EFI
NO. 1
2
1
GR
P
Y
(Shielded)
L
R
1
2
5
4
THA
E2
VG
E2G
+B
3
D13
Intake Mass Air Flow
Meter Sub-Assembly
R
(Shielded)
(Shielded)
(Shielded)
R

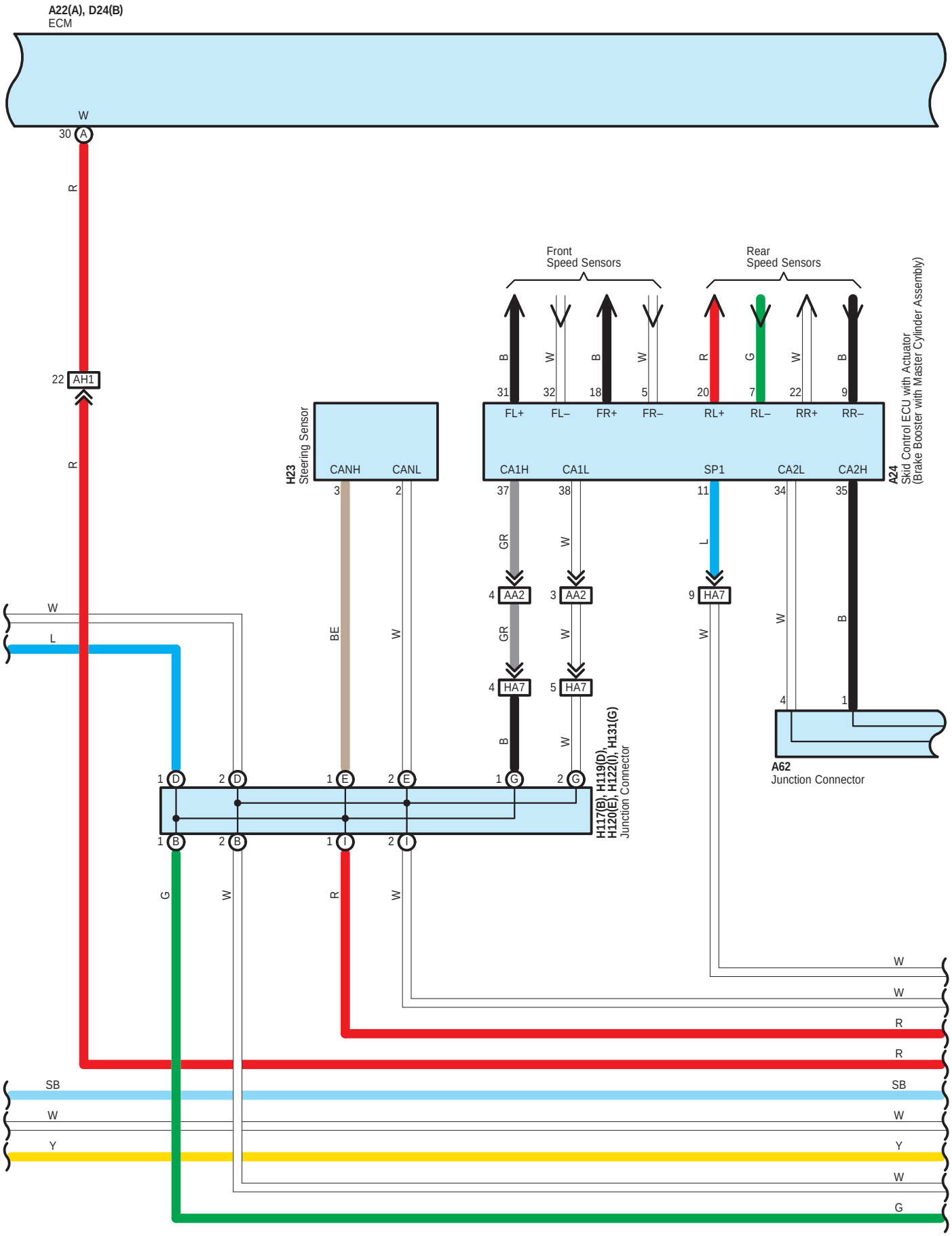

A22(A), D24(B)
ECM
NE+
NE–
KNK1
EKNK
E1
E01
E02
76 B
109 B
123 B
124 B
16 B
50 B
49 B
(Shielded)
B
W
R
G
BR
W–B
2 Da3
1 Da3
1
2
D64
Crank Position Sensor
a1
Knock Control Sensor (Bank 1)
8 DA2
18 DA2
(Shielded)
(Shielded)
D5

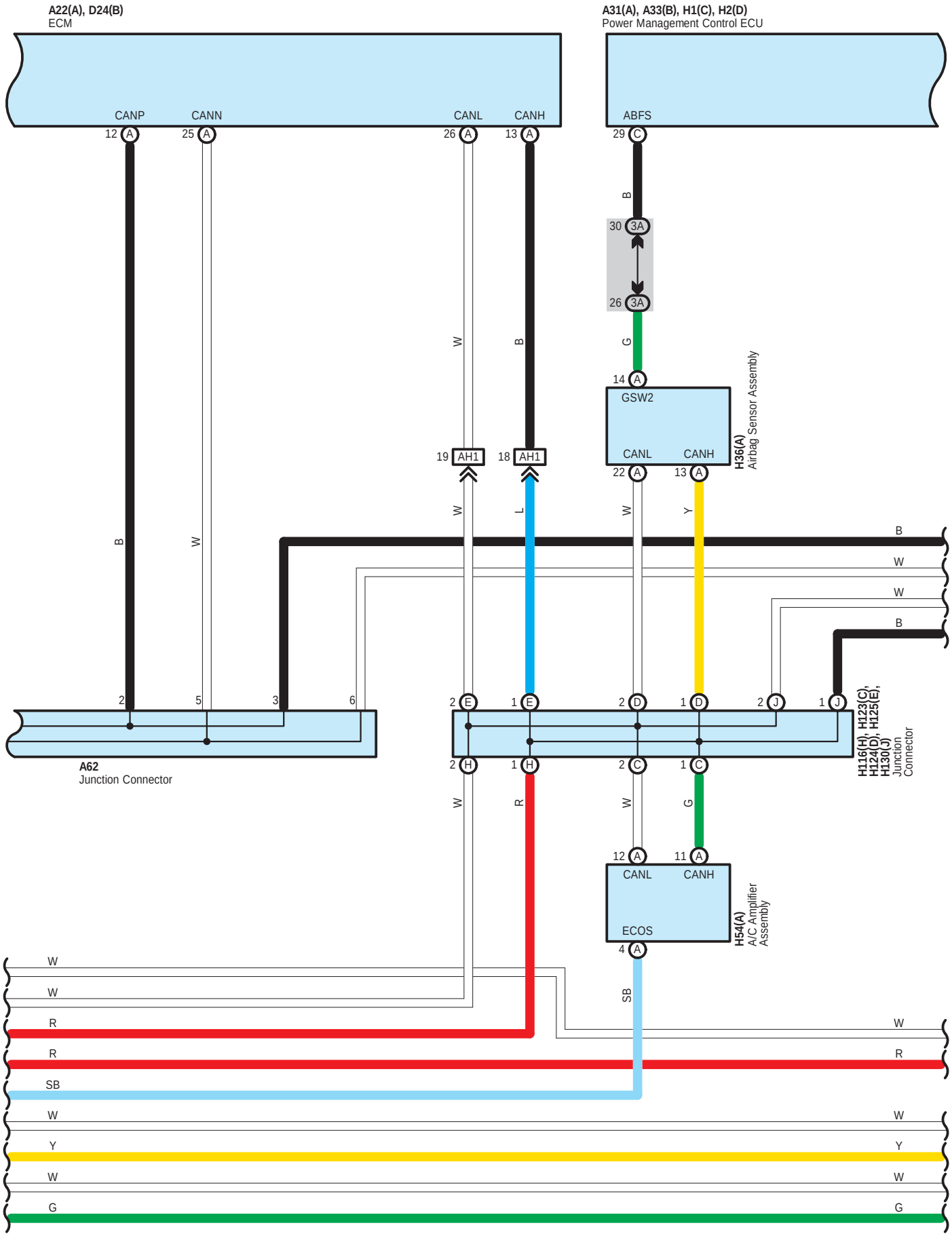

A22(A), D24(B)
ECM
EC
ME01
E04
OC1+
OC1–
ETHW
THW
14 A
58 B
53 B
74 B
75 B
96 B
95 B
W–B
W–B
W–B
W
B
P
B
1
2
D58
Camshaft Timing Oil Control Valve Assembly (Intake Side)
1
E2
THW
2
D43
E. F. I. Engine Coolant Temperature Sensor
W–B
W–B
W–B
5
A63
Junction Connector
A2
D3

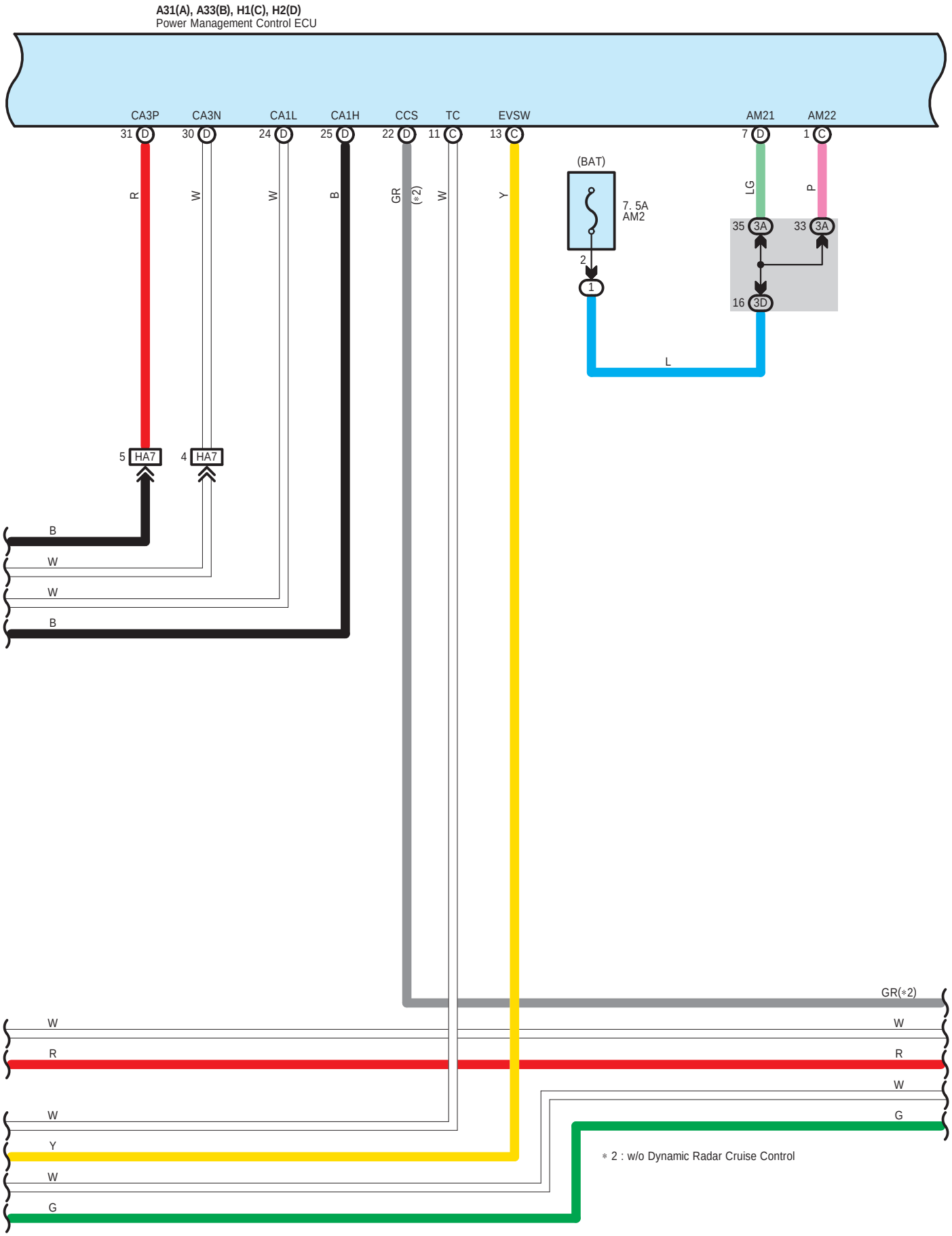

A22(A), D24(B)
ECM
IGT1
IGT2
IGT3
IGT4
IGF1
57 B
56 B
55 B
54 B
51 B
Y
R
G
L
W
W
W
Y
W
R
W
G
W
L
W
3
2
3
2
3
2
3
2
IGT1
IGF
IGT2
IGF
IGT3
IGF
IGT4
IGF
D33
Ignition Coil
Assembly No. 1
D36
Ignition Coil
Assembly No. 2
D34
Ignition Coil
Assembly No. 3
D39
Ignition Coil
Assembly No. 4

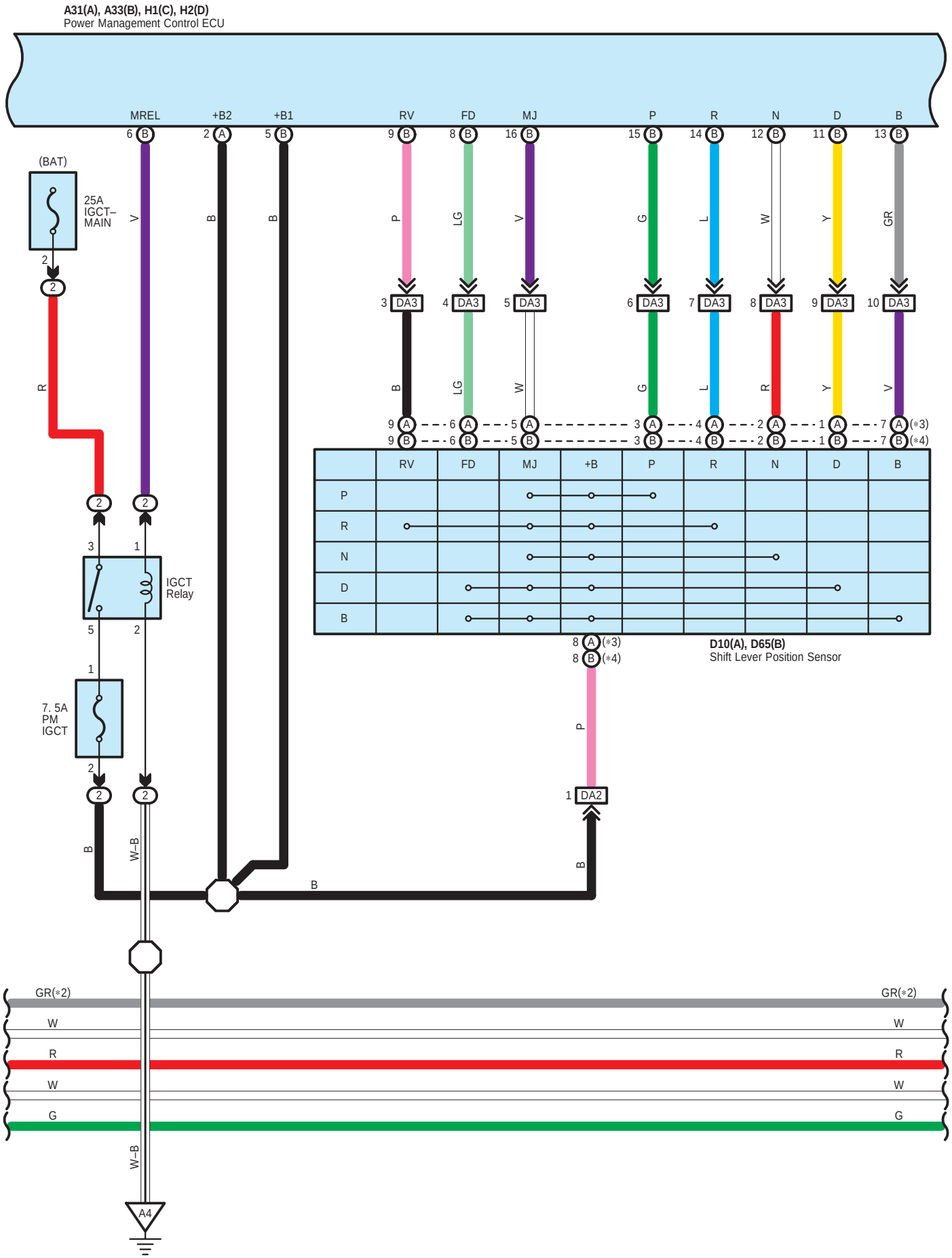

A22(A), D24(B)
ECM
VV1+
VCV1
VV1–
VCPM
EPIM
PIM
RFC
82 B
113 B
114 B
78 B
80 B
79 B
44 A
V
B
L
B
V
G
G
1
3
2
3
1
2
2 A
VVI+
VC
VVI–
VC
E2
PIM
SI
D49
VVT Sensor
(Camshaft Position Sensor)
(Bank 1 Intake Side)
D22
E. F. I. Vacuum Sensor Assembly
A10(A)
Cooling Fan ECU

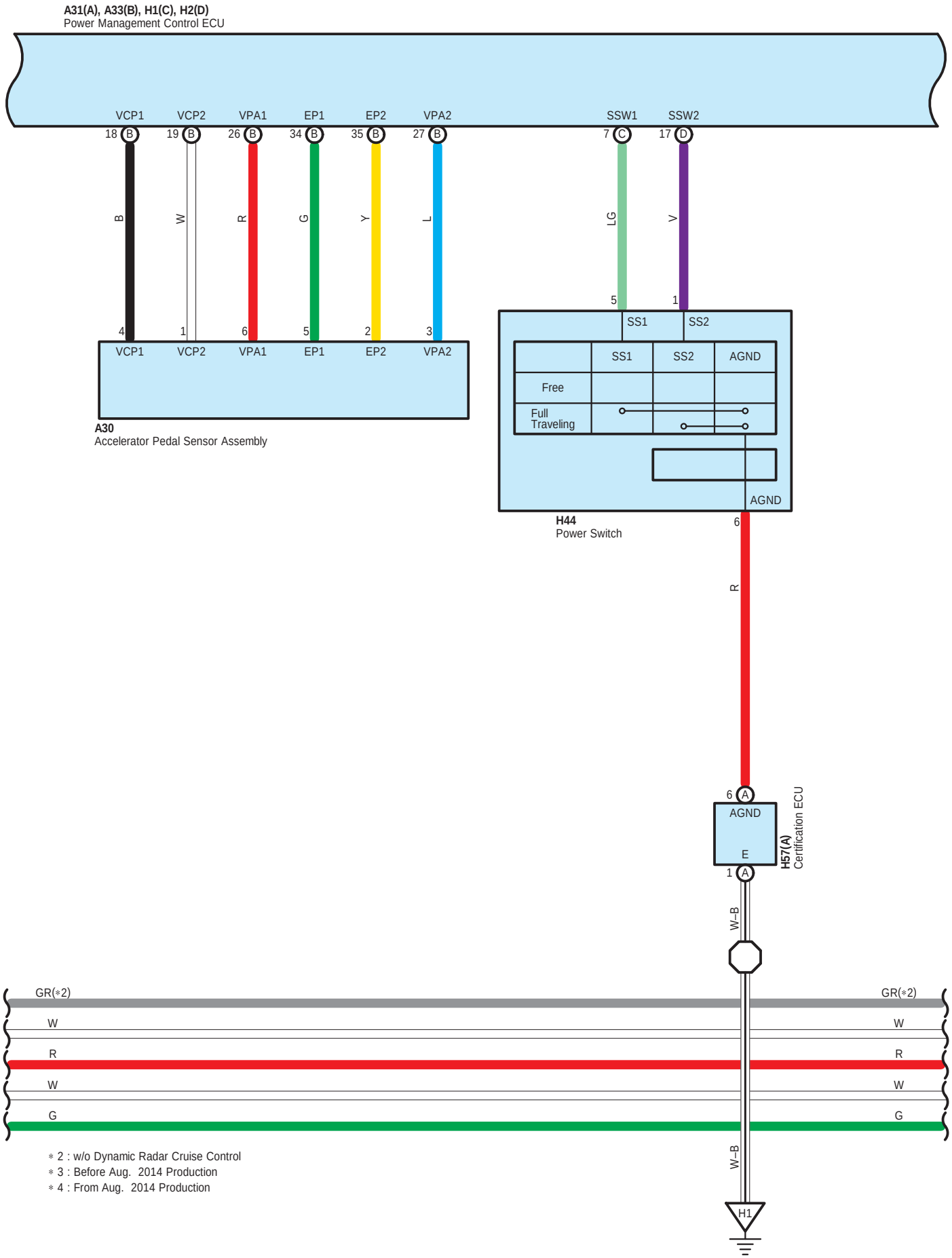

A22(A), D24(B)
ECM
PWMS
SPCN
TACH
TC
9 A
43 A
31 A
23 A
L
B
B
P
25 AH1
1 HA10
10 AH1
2 HA10
W
W
L
B
B
W
9
13
TAC
TC
CANH
CANL
H29
DLC3
6
14
W
L
SB
Y
3
2
4
1
P
B
ECU
S
SPORT
NORMAL
ECO
EV MODE
E
H71
Integration Control
& Panel Assembly
5
W–B
W–B
H1
SB
W
Y

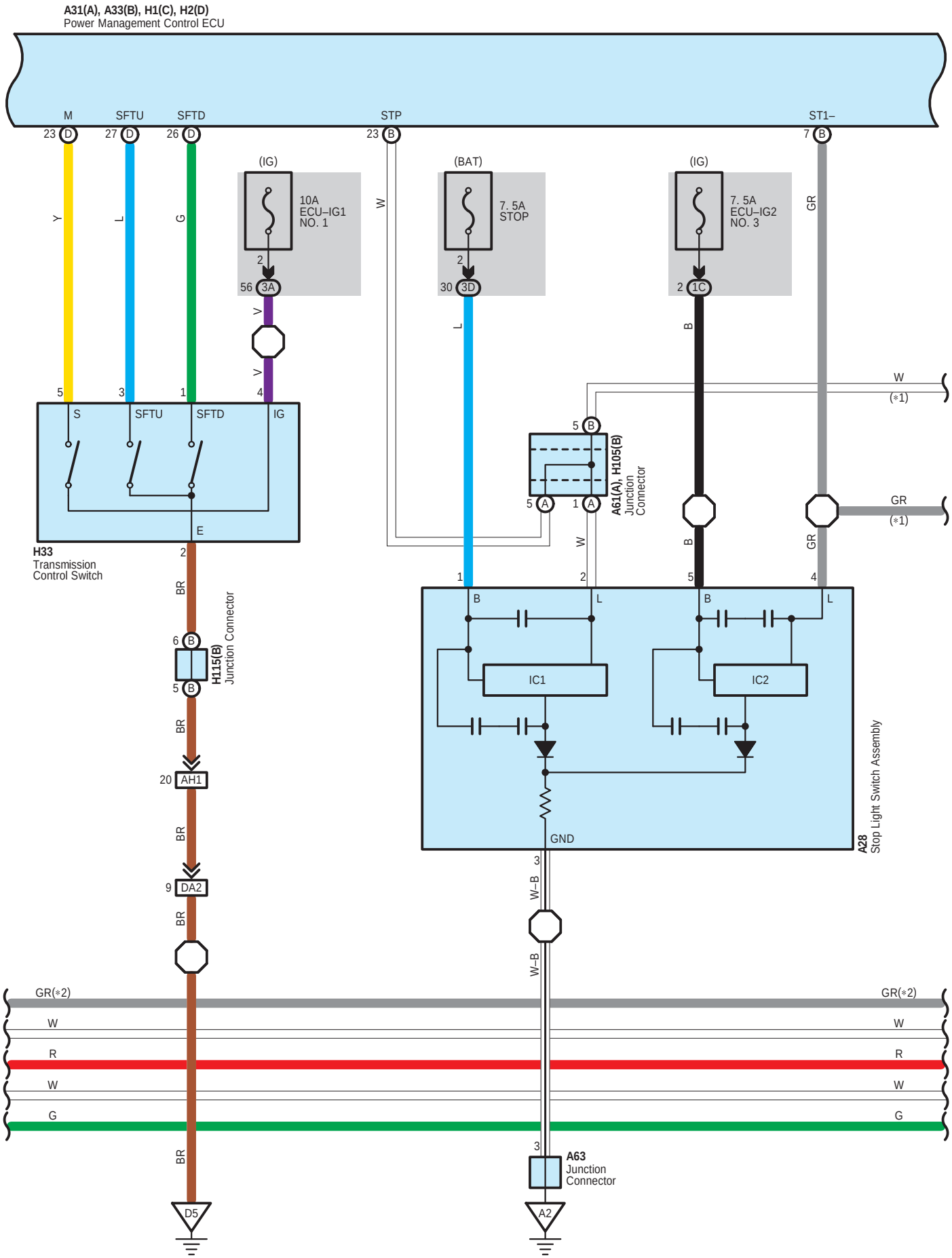

A22(A), D24(B)
ECM
W
30 A
R
22 AH1
R
Front
Speed Sensors
Rear
Speed Sensors
B
W
B
W
R
G
W
B
31
32
18
5
20
7
22
9
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
A24
Skid Control ECU with Actuator
(Brake Booster with Master Cylinder Assembly)
H23
Steering Sensor
CANH
CANL
CA1H
CA1L
SP1
CA2L
CA2H
3
2
37
38
11
34
35
GR
W
L
4 AA2
3 AA2
9 HA7
W
W
B
BE
W
GR
W
4 HA7
5 HA7
B
W
4
1
A62
Junction Connector
H117(B), H119(D),
H120(E), H122(I), H131(G)
Junction Connector
1 D
2 D
1 E
2 E
1 G
2 G
1 B
2 B
1 I
2 I
G
W
R
W
W
L
W
W
R
R
SB
SB
W
W
Y
Y
W
G

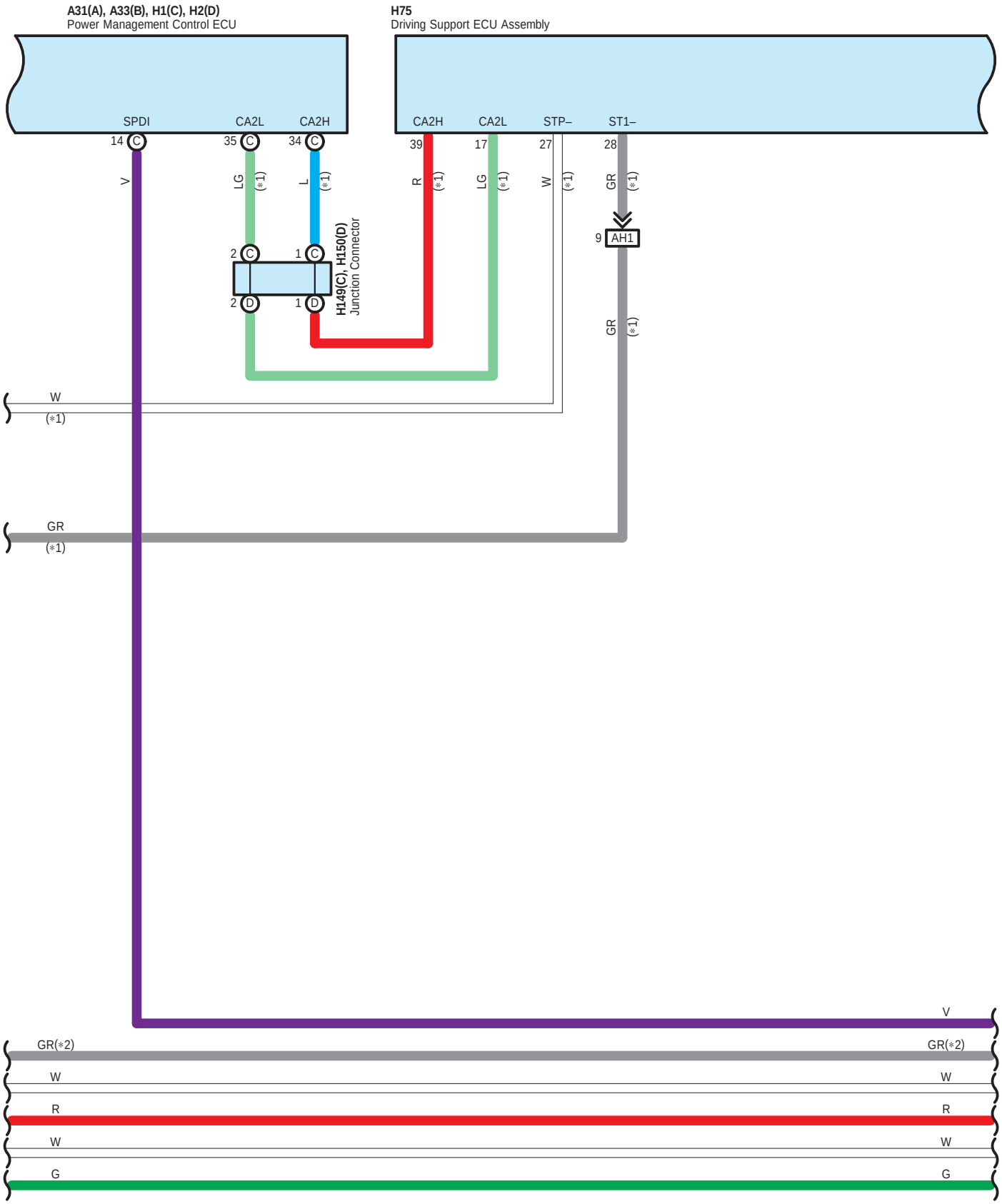

A22(A), D24(B)
ECM
CANP
CANN
CANL
CANH
12 A
25 A
26 A
13 A
A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
ABFS
29 C
B
30 3A
26 3A
G
14 A
GSW2
CANL
CANH
22 A
13 A
H36(A)
Airbag Sensor Assembly
19 AH1
18 AH1
W
L
Y
B
W
2
5
3
6
2 E
1 E
2 D
1 D
2 J
1 J
H116(H), H123(C), H124(D), H125(E), H130(J)
Junction Connector
A62
Junction Connector
2 H
1 H
2 C
1 C
R
12 A
11 A
CANL
CANH
ECOS
4 A
H54(A)
A/C Amplifier Assembly
SB
Y
G


A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
CA3P
CA3N
CA1L
CA1H
CCS
TC
EVSW
AM21
AM22
31 D
30 D
24 D
25 D
22 D
11 C
13 C
7 D
1 C
R
W
W
B
GR
(*2)
W
Y
LG
P
(BAT)
7. 5A
AM2
2
1
35 3A
33 3A
16 3D
L
5 HA7
4 HA7
B
W
W
B
GR(*2)
W
W
R
R
W
W
G
Y
W
G
* 2 : w/o Dynamic Radar Cruise Control

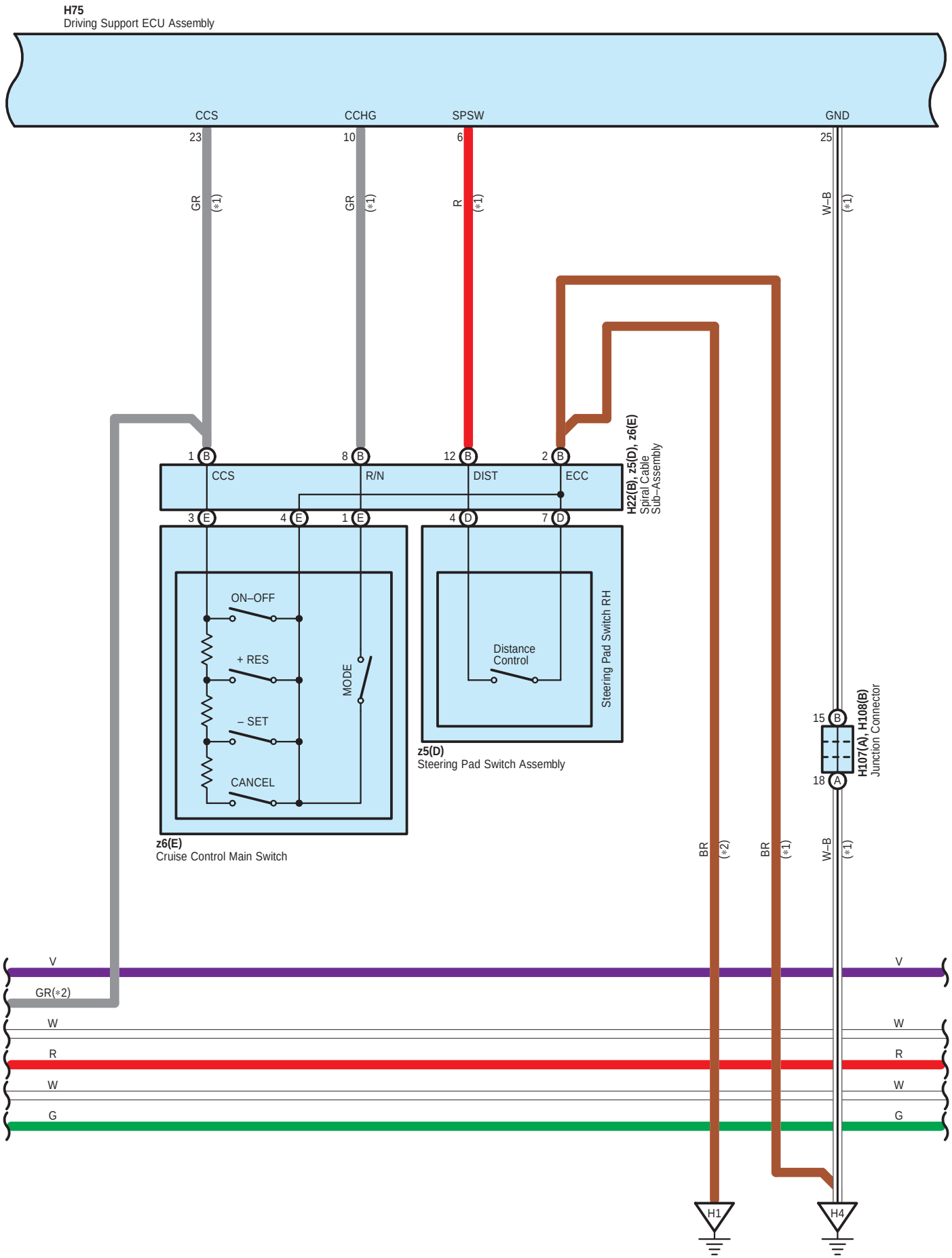

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
MREL
+B2
+B1
RV
FD
MJ
P
R
N
D
B
(BAT)
25A
IGCT–
MAIN
IGCT
Relay
7. 5A
PM
IGCT
DA3
DA2
D10(A), D65(B)
Shift Lever Position Sensor
+B
(*3)
(*4)
GR(*2)
W
R
G
W–B
A4

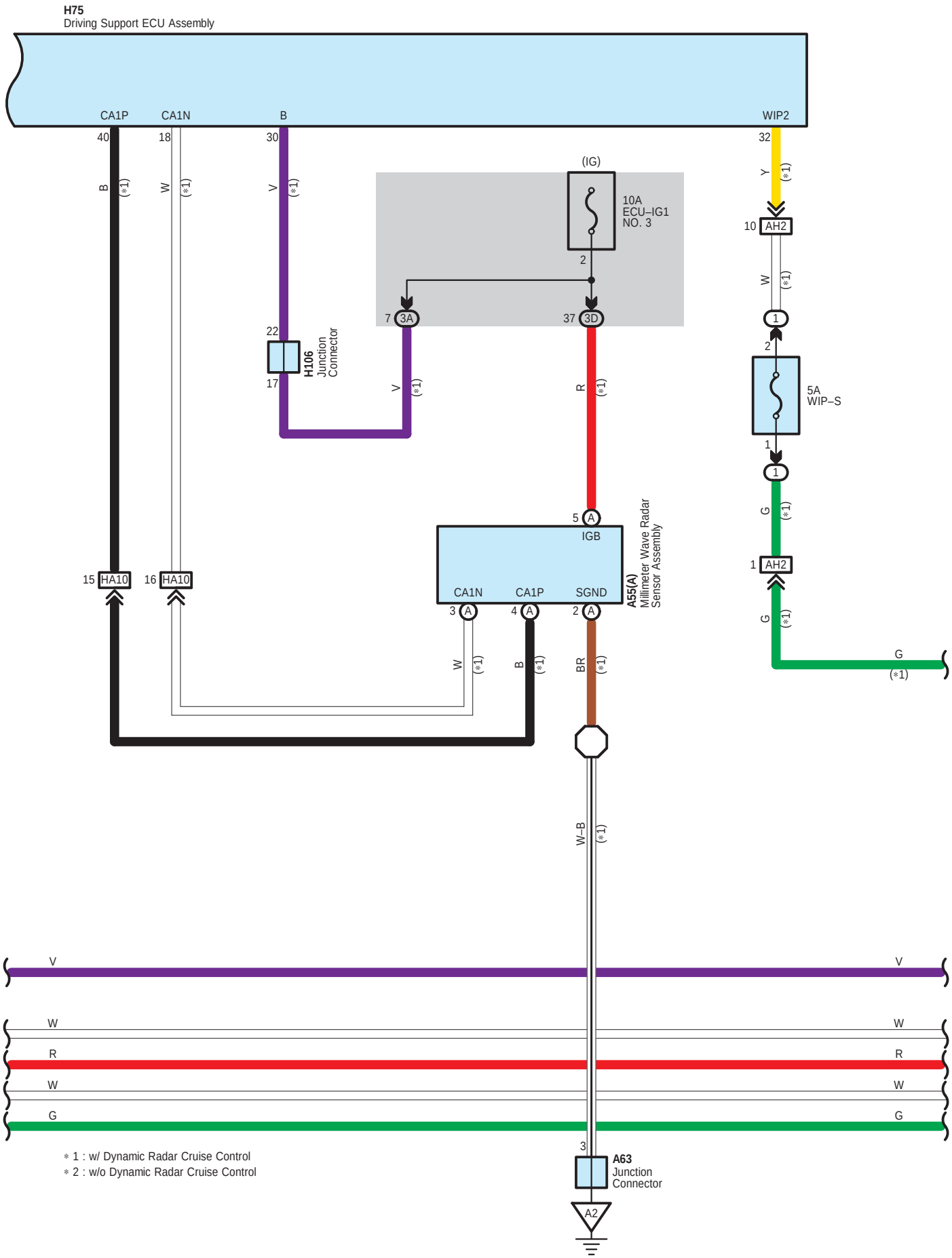

A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
VCP1
VCP2
VPA1
EP1
EP2
VPA2
SSW1
SSW2
18 B
19 B
26 B
34 B
35 B
27 B
7 C
17 D
B
W
R
G
Y
L
LG
V
4
1
6
5
2
3
5
1
A30
Accelerator Pedal Sensor Assembly
SS1
SS2
AGND
Free
Full Traveling
H44
Power Switch
6
R
6 A
AGND
E
1 A
H57(A)
Certification ECU
W–B
GR(∗2)
W
R
W
G
∗ 2 : w/o Dynamic Radar Cruise Control
∗ 3 : Before Aug. 2014 Production
∗ 4 : From Aug. 2014 Production
H1


A31(A), A33(B), H1(C), H2(D)
Power Management Control ECU
M
SFTU
SFTD
STP
ST1–
(IG)
10A
ECU–IG1
NO. 1
(BAT)
7. 5A
STOP
(IG)
7. 5A
ECU–IG2
NO. 3
H33
Transmission
Control Switch
H115(B)
Junction Connector
A61(A), H105(B)
Junction
Connector
A28
Stop Light Switch Assembly
IC1
IC2
GND
AH1
DA2
A63
Junction
Connector
D5
A2
GR(*2)
W
R
G
(*1)

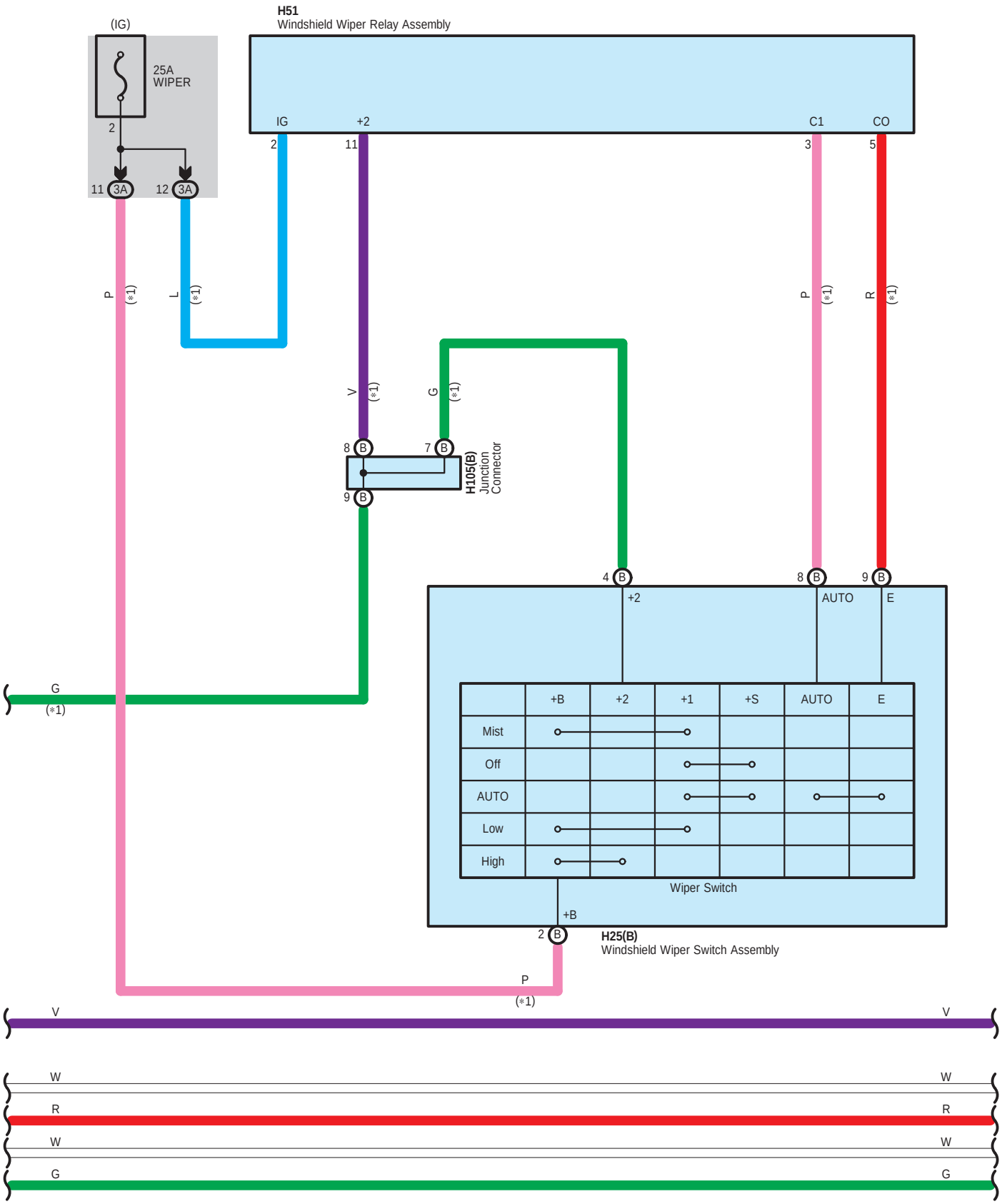


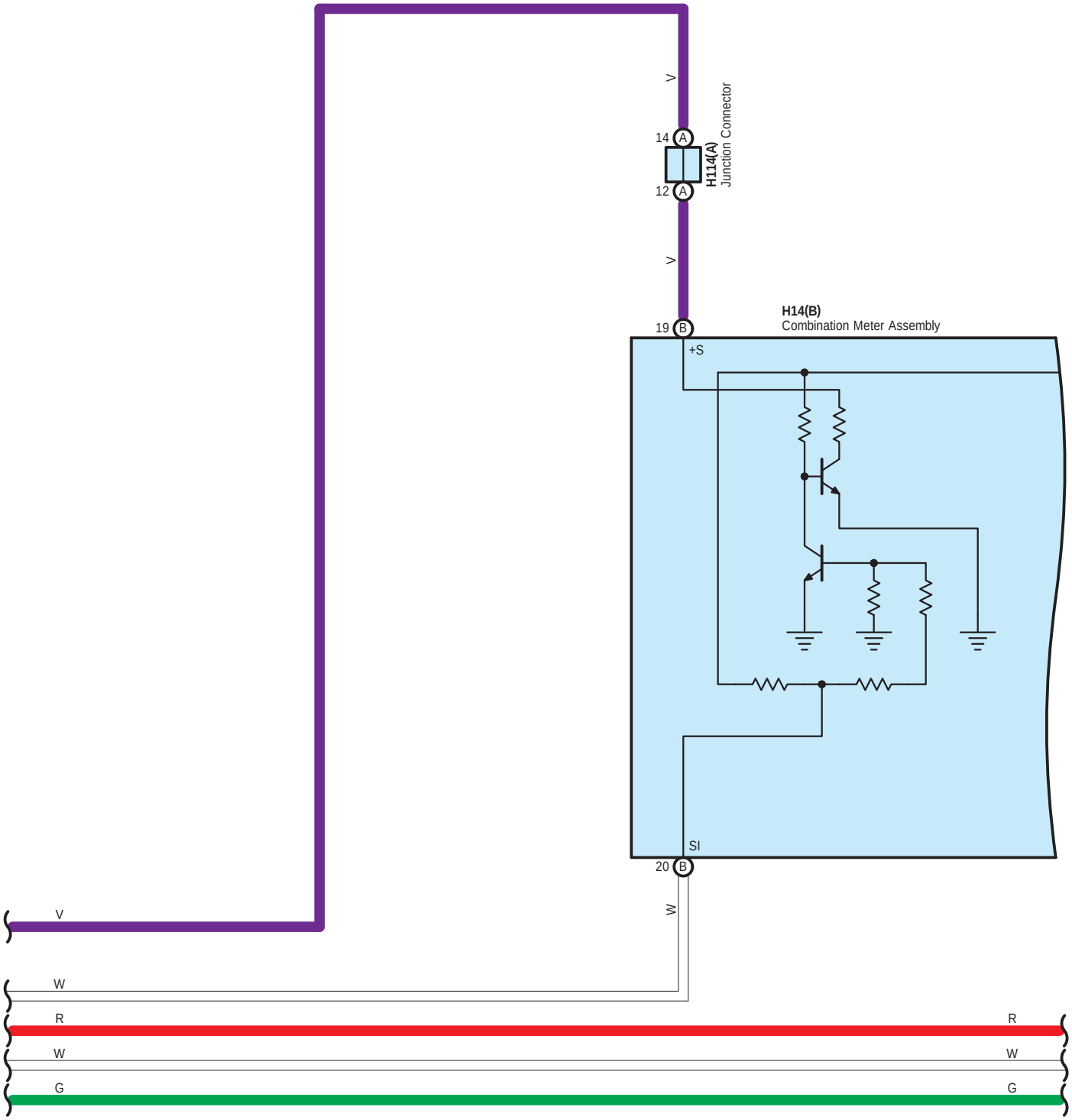
* 1 : w/ Dynamic Radar Cruise Control
* 2 : w/o Dynamic Radar Cruise Control


H75
Driving Support ECU Assembly
CCS
CCHG
SPSW
GND
23
10
6
25
GR
(*1)
GR
(*1)
R
(*1)
W–B
(*1)
1 B
8 B
12 B
2 B
CCS
R/N
DIST
ECC
H22(B), z5(D), z6(E)
Spiral Cable
Sub–Assembly
3 E
4 E
1 E
4 D
7 D
ON–OFF
+ RES
– SET
CANCEL
MODE
z6(E)
Cruise Control Main Switch
Distance
Control
Steering Pad Switch RH
z5(D)
Steering Pad Switch Assembly
15 B
18 A
H107(A), H108(B)
Junction Connector
BR
(*2)
BR
(*1)
W–B
(*1)
V
GR(*2)
W
R
W
G
V
W
R
W
G
H1
H4

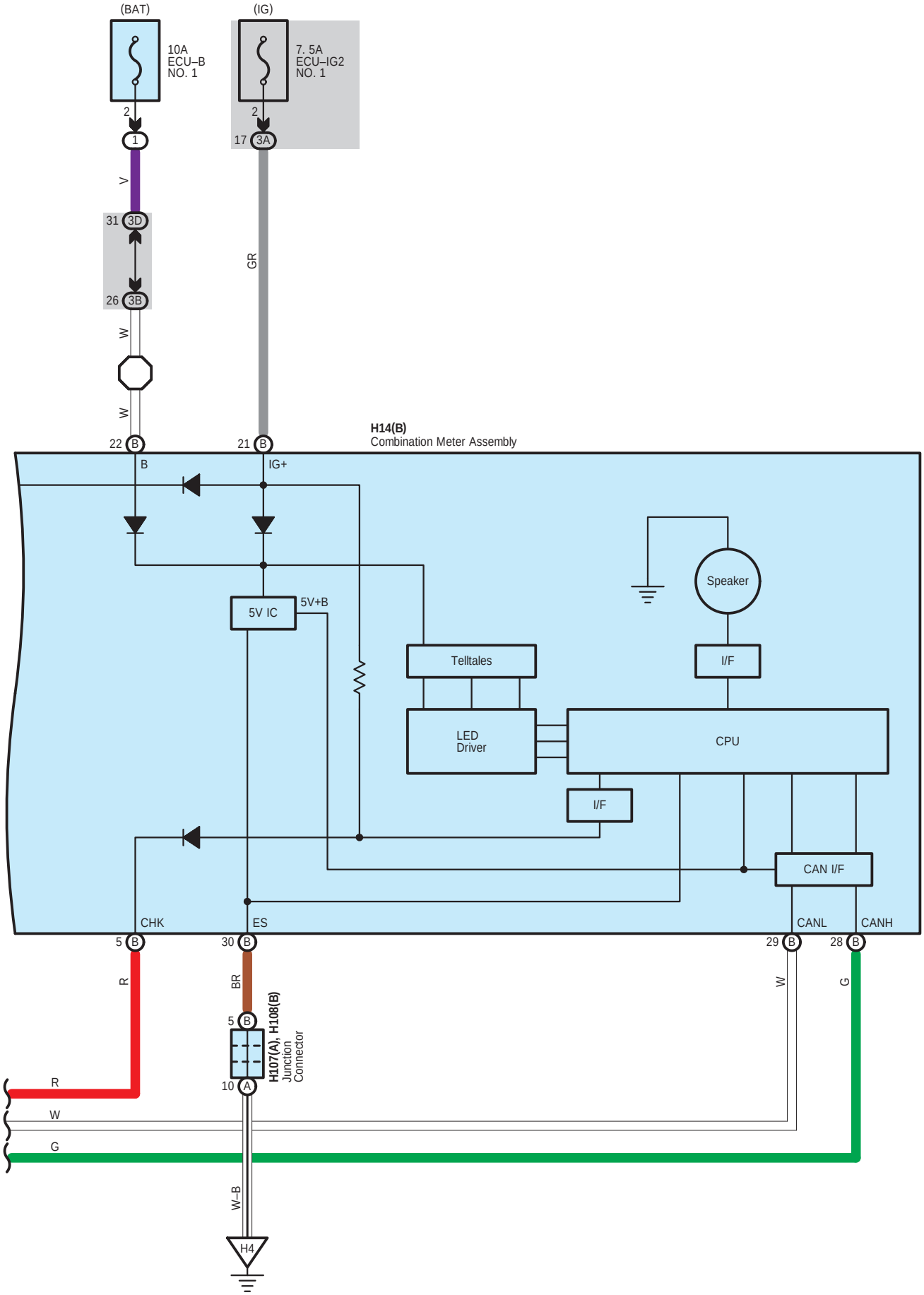


∗1 : w/ Dynamic Radar Cruise Control
∗2 : w/o Dynamic Radar Cruise Control

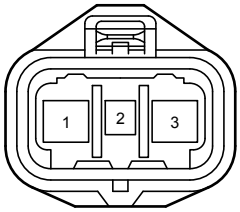

(IG)
25A
WIPER
2
11 3A
12 3A
H51
Windshield Wiper Relay Assembly
IG
+2
C1
CO
2
11
3
5
P (*1)
L (*1)
P (*1)
R (*1)
V (*1)
G (*1)
8 B
7 B
9 B
H105(B)
Junction
Connector
4 B
8 B
9 B
+2
AUTO
E
G
(*1)
+B
+2
+1
+S
AUTO
E
Mist
Off
AUTO
Low
High
Wiper Switch
+B
2 B
H25(B)
Windshield Wiper Switch Assembly
P
(*1)
V
V
W
W
R
R
W
W
G
G



∗ 1 : w/ Dynamic Radar Cruise Control


(BAT)
(IG)
10A
ECU–B
NO. 1
7. 5A
ECU–IG2
NO. 1
2
1
17 3A
V
31 3D
GR
26 3B
W
W
22 B
21 B
H14(B)
Combination Meter Assembly
B
IG+
5V IC
5V+B
Speaker
Telltales
I/F
LED
Driver
CPU
I/F
CAN I/F
CHK
ES
CANL
CANH
5 B
30 B
29 B
28 B
R
BR
W
G
5 B
H107(A), H108(B)
Junction
Connector
10 A
R
W
G
W–B
H4

A 10
Black



A 22
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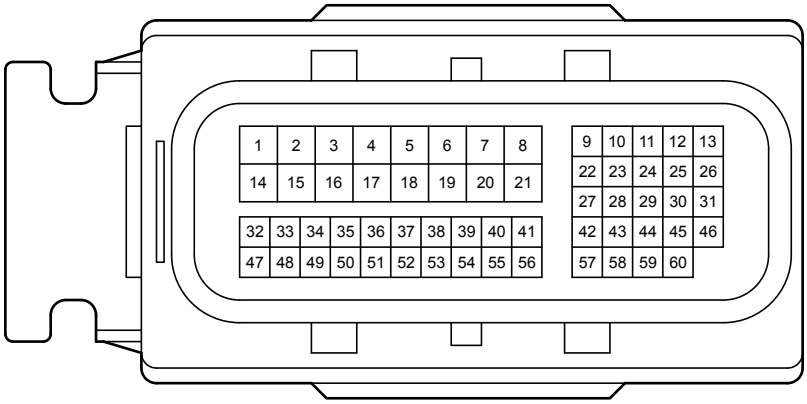

A 24
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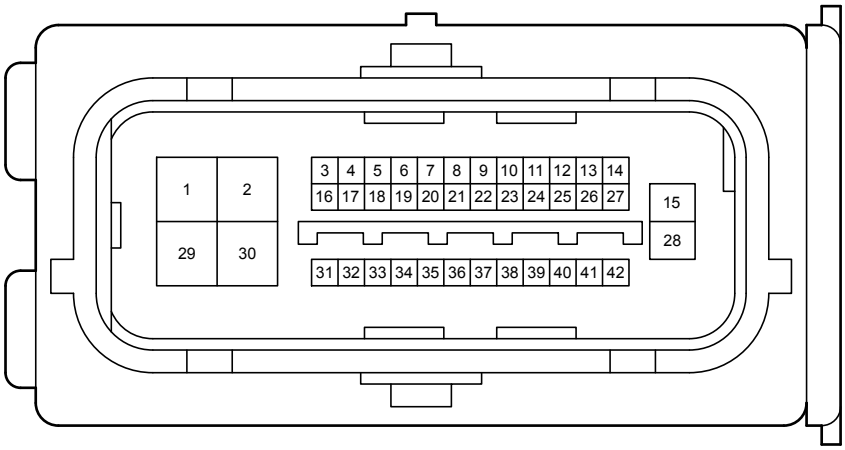

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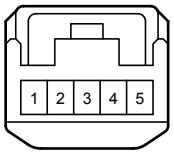

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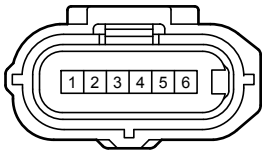

A 31
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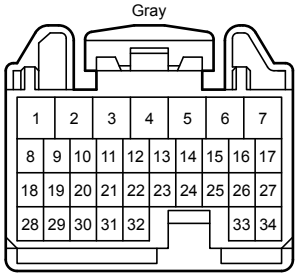

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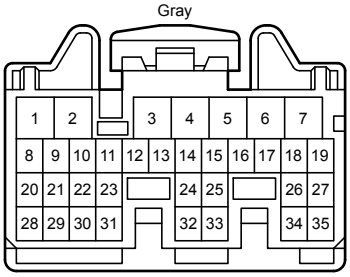

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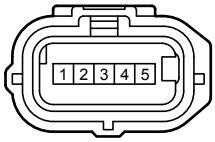

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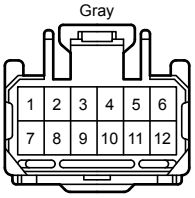

A 62
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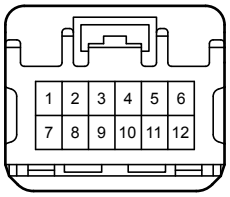

A 63
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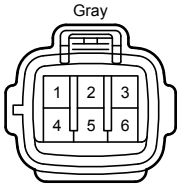

D 10
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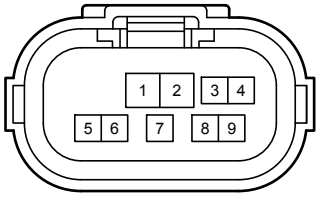

D 13
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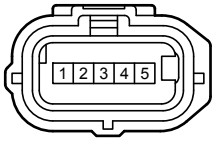

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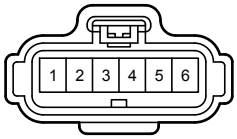

D 16
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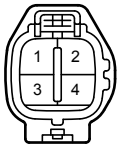

D 17
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D 22
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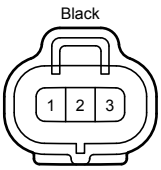

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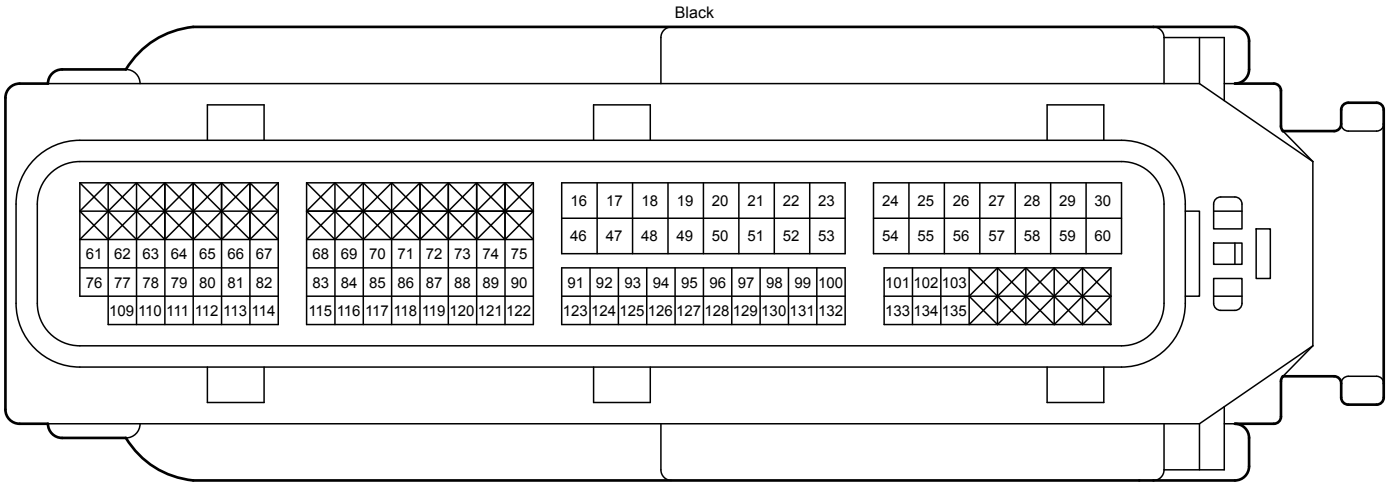

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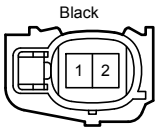

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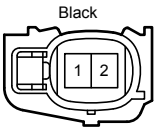

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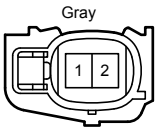

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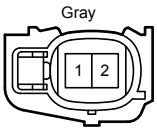

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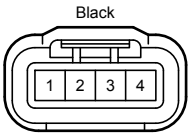

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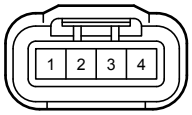

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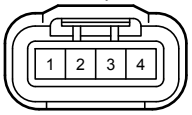

D 39
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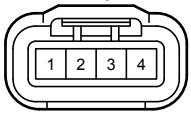
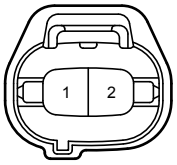


D 43
Black

D 45
Black



D 49
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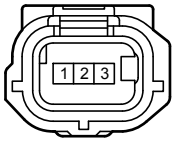
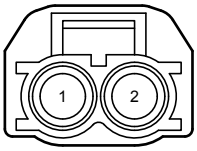


D 58
Gray

D 61
Gray

D 64
Black



D 65
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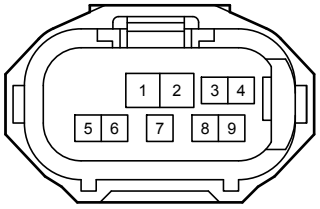

H 1
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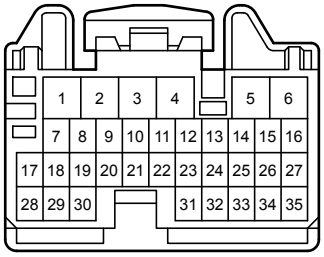

H 2
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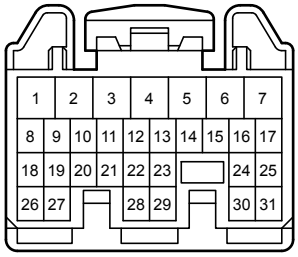

H 14
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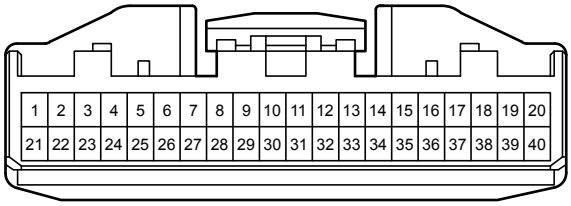

H 22
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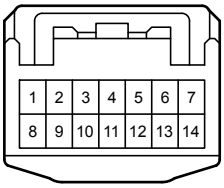

H 23
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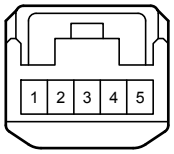

H 25
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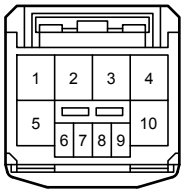
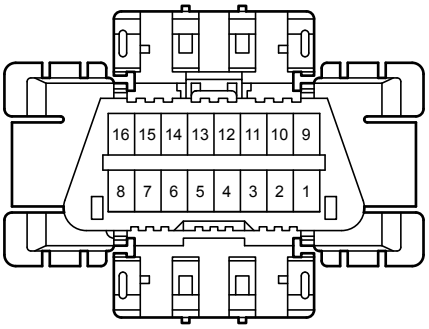


H 29
Black



H 33
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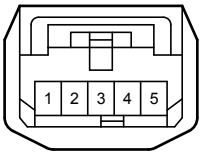
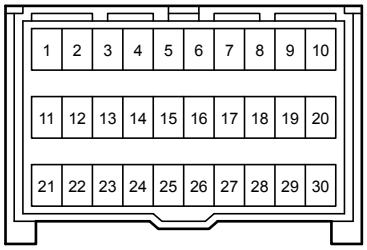


H 36
Yellow



H 44
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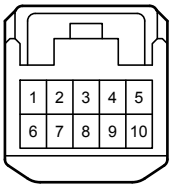
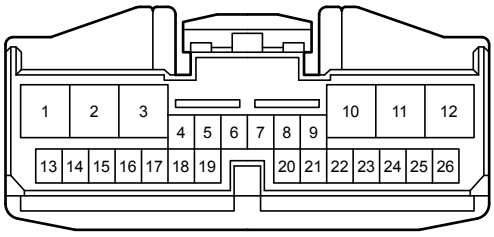


H 51
White



H 54
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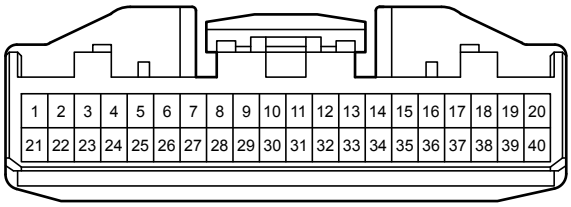

H 57
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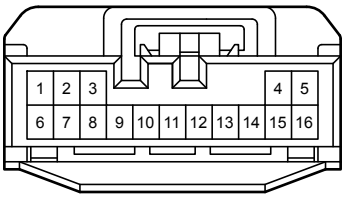
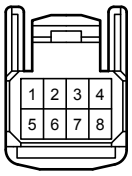


H 71
Black



H 75
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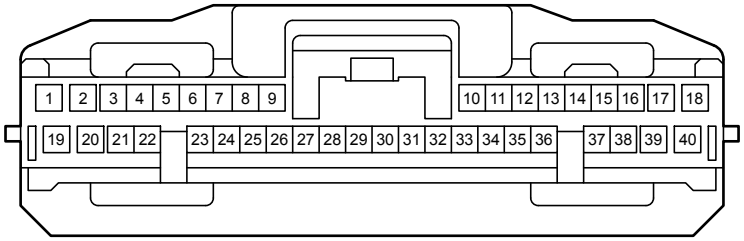

H105
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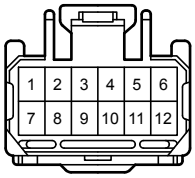
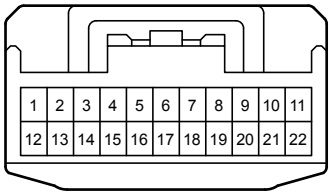
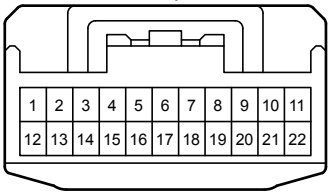


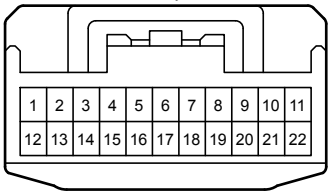
H106
Blue



H107
Gray



H108
Gray



H114
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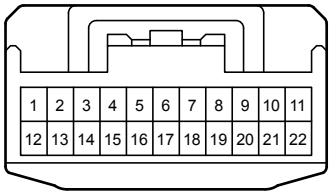

H115
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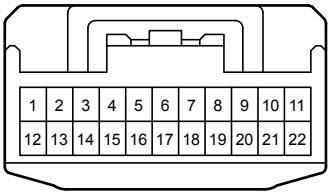

H116
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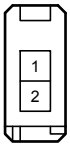

H117
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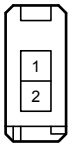

H119
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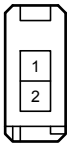

H120
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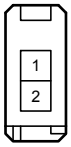

H122
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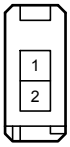

H123
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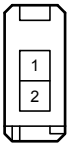

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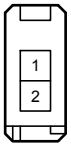

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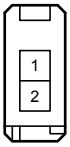

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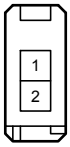

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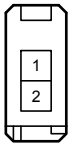

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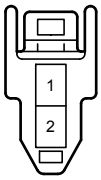

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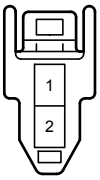

P 7
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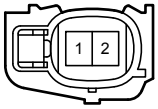

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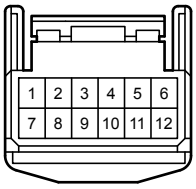

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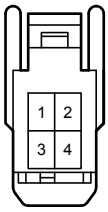

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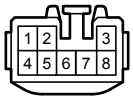

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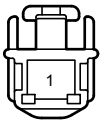

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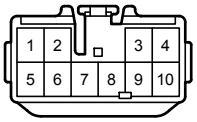

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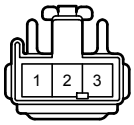

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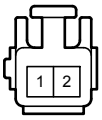

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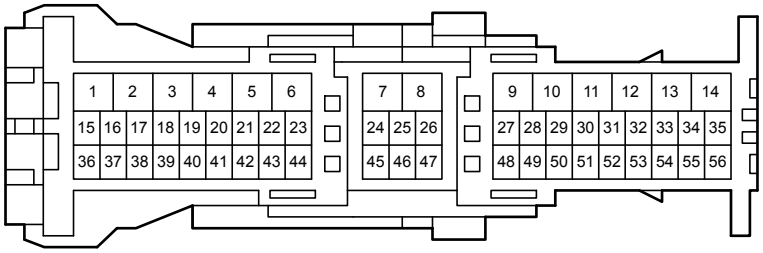

3B
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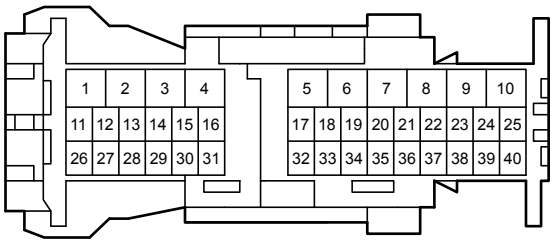

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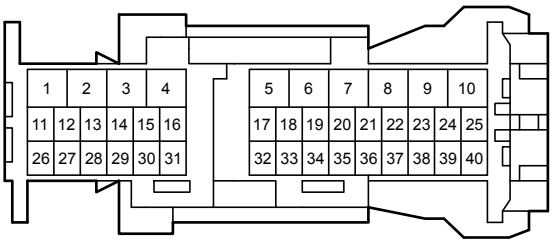

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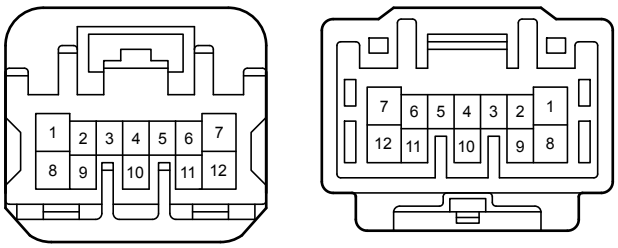

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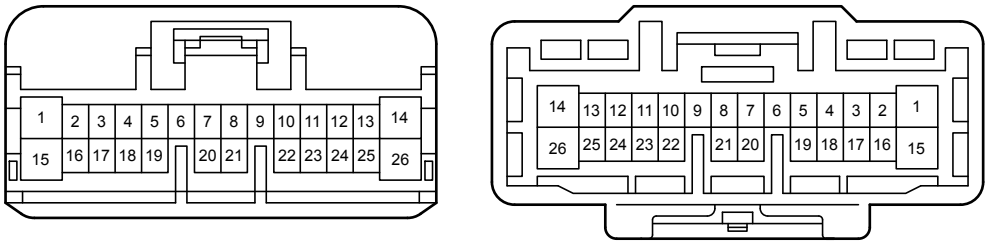

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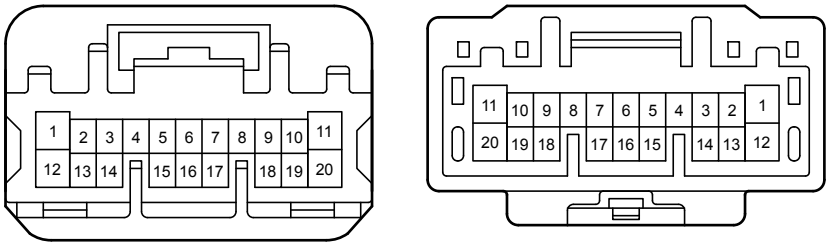

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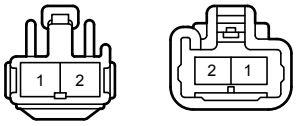

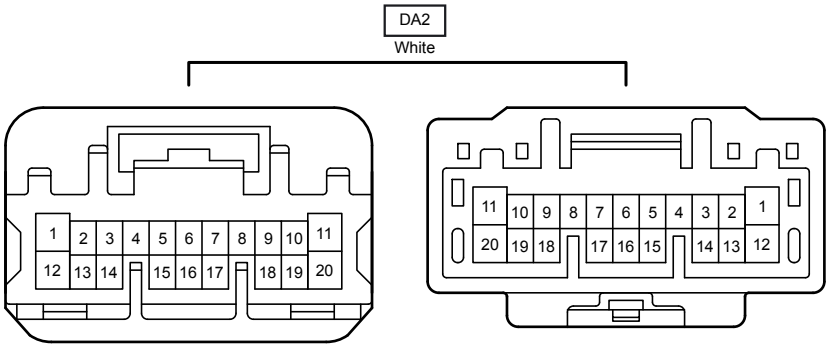
DA2
White
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12 13 14 15 16 17 18 19 20
11 10 9 8 7 6 5 4 3 2 1
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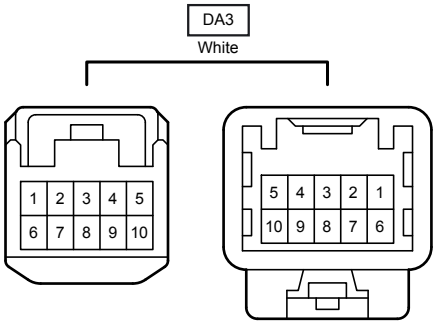
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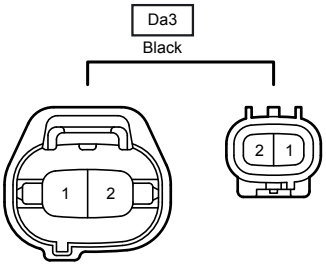
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6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Black
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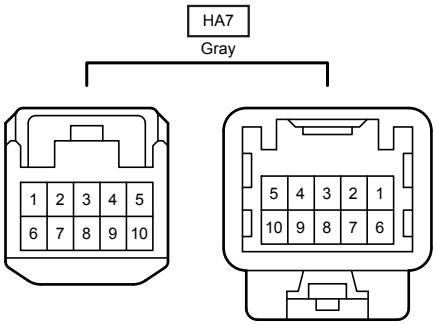
2 1


HA7
Gray
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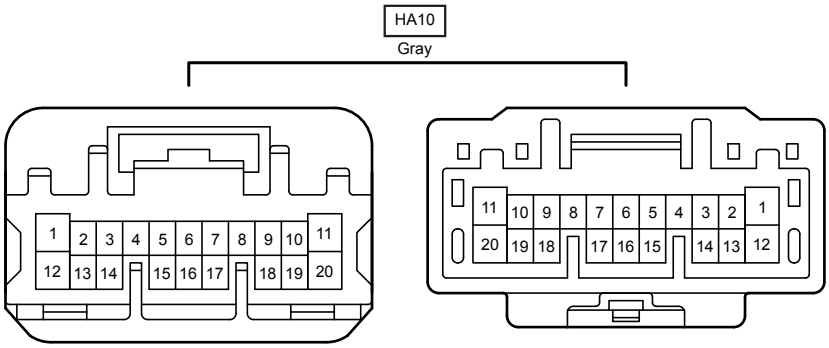
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6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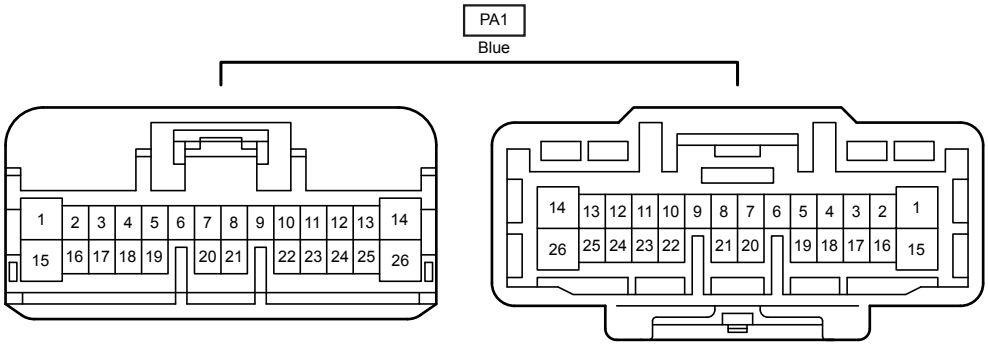
PA1
Blue
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15 16 17 18 19 20 21 22 23 24 25 26
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26 25 24 23 22 21 20 19 18 17 16 15