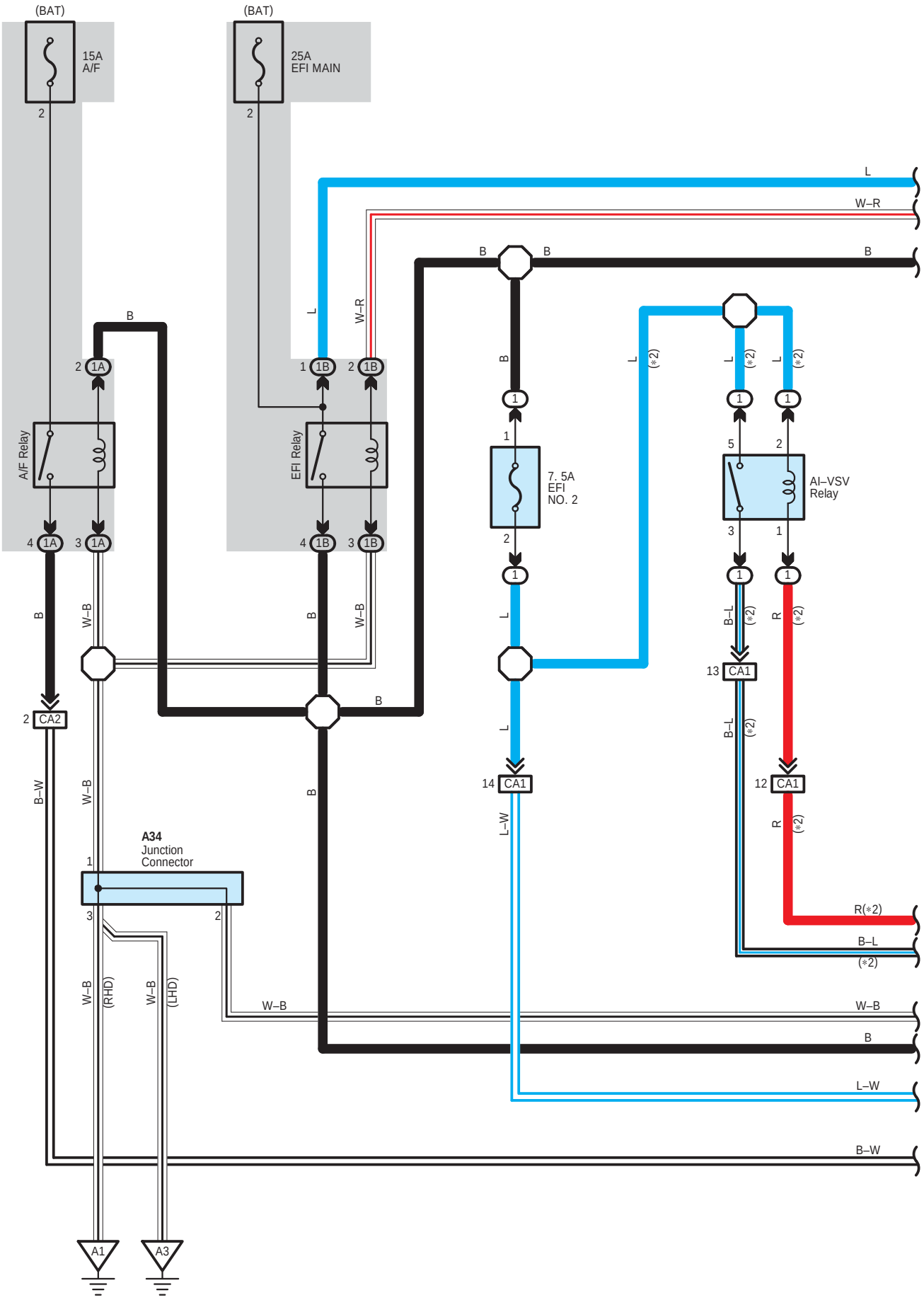
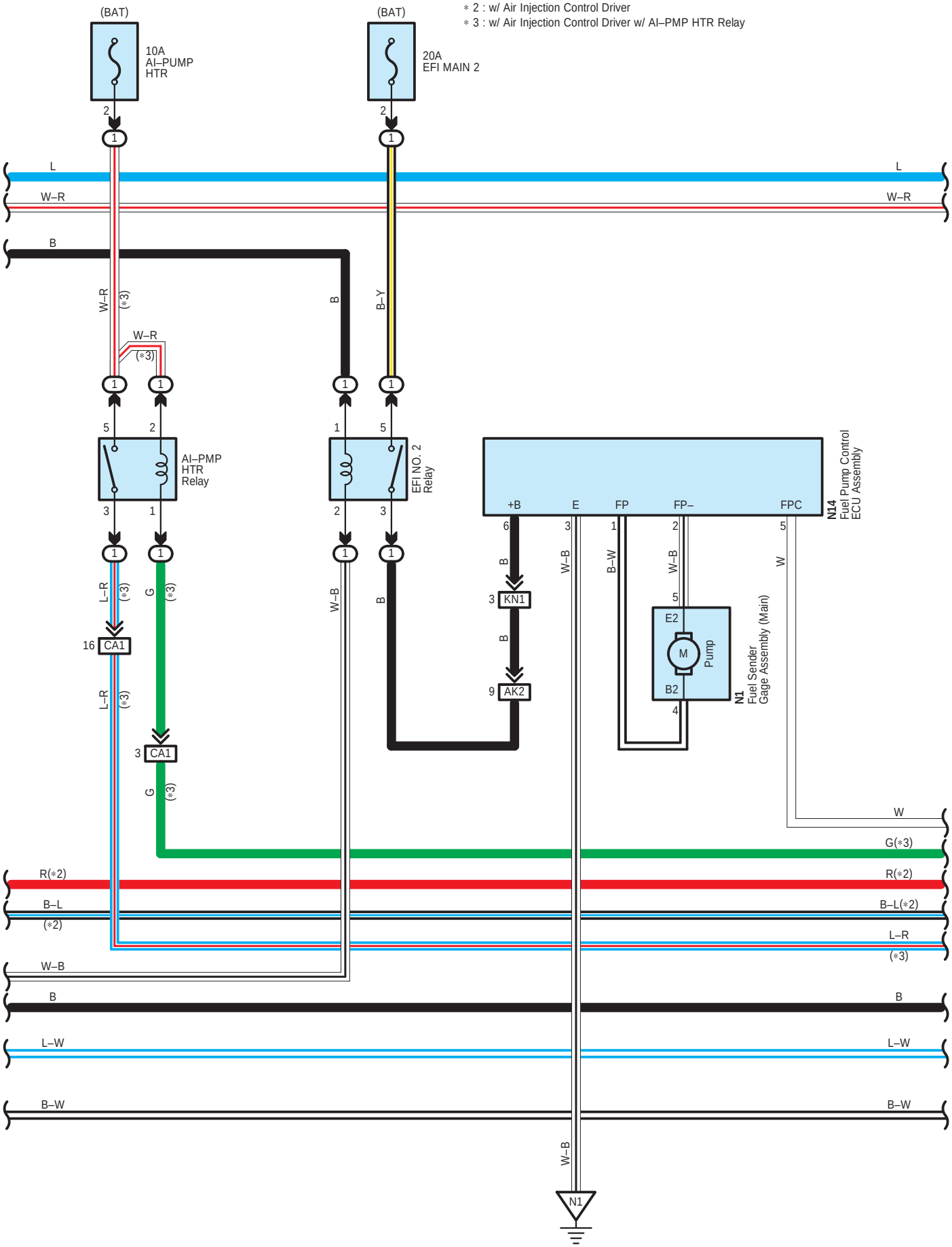
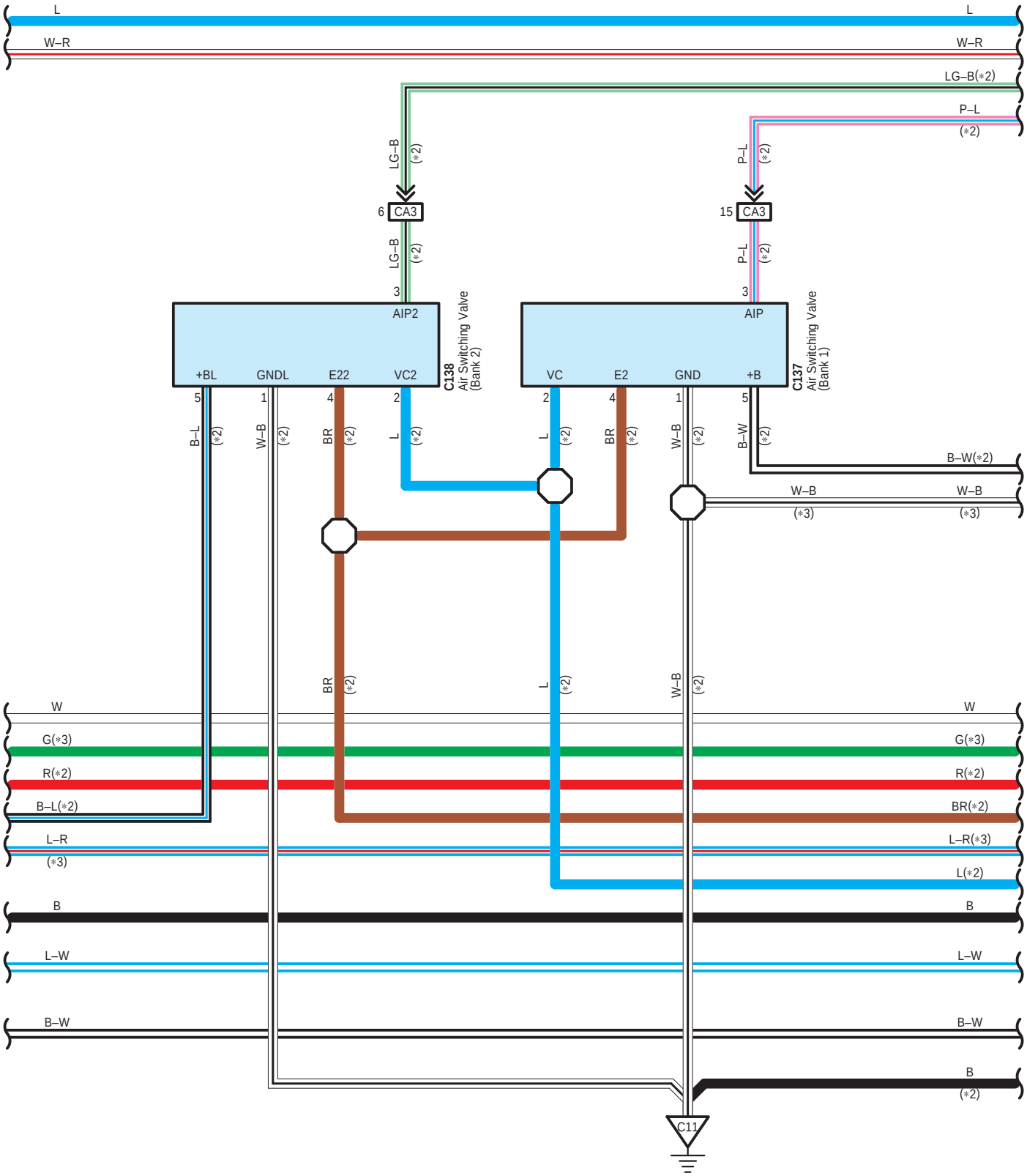
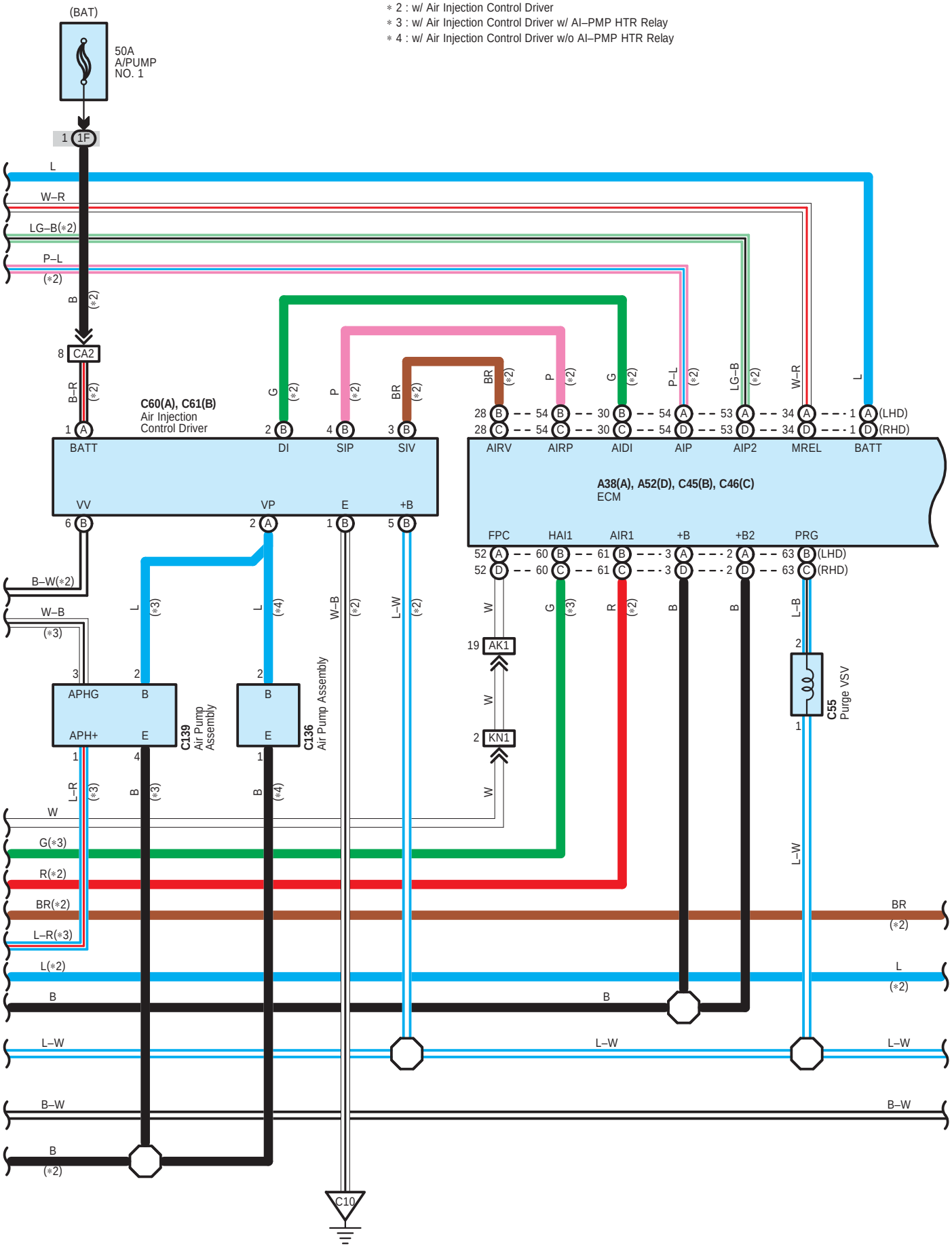
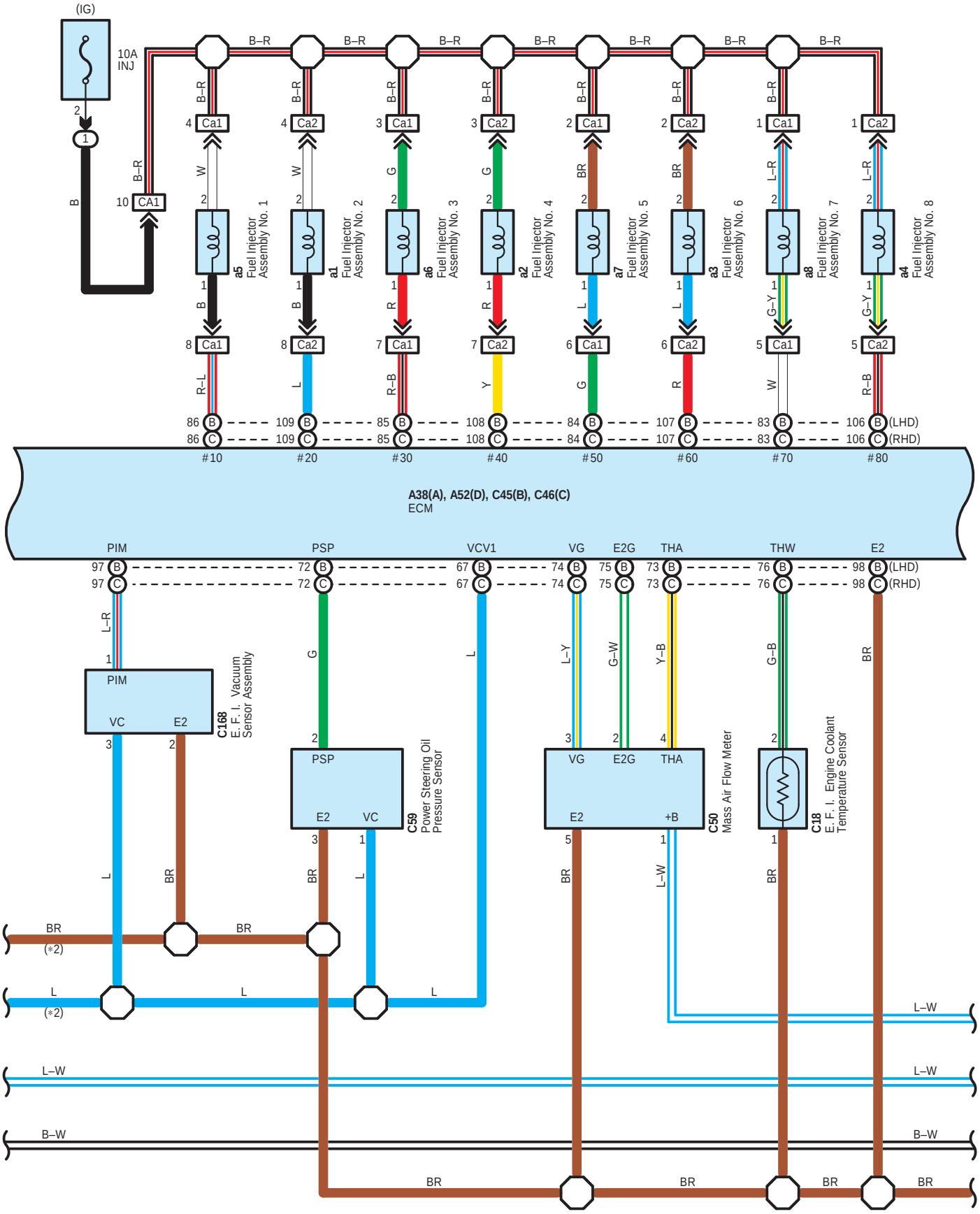
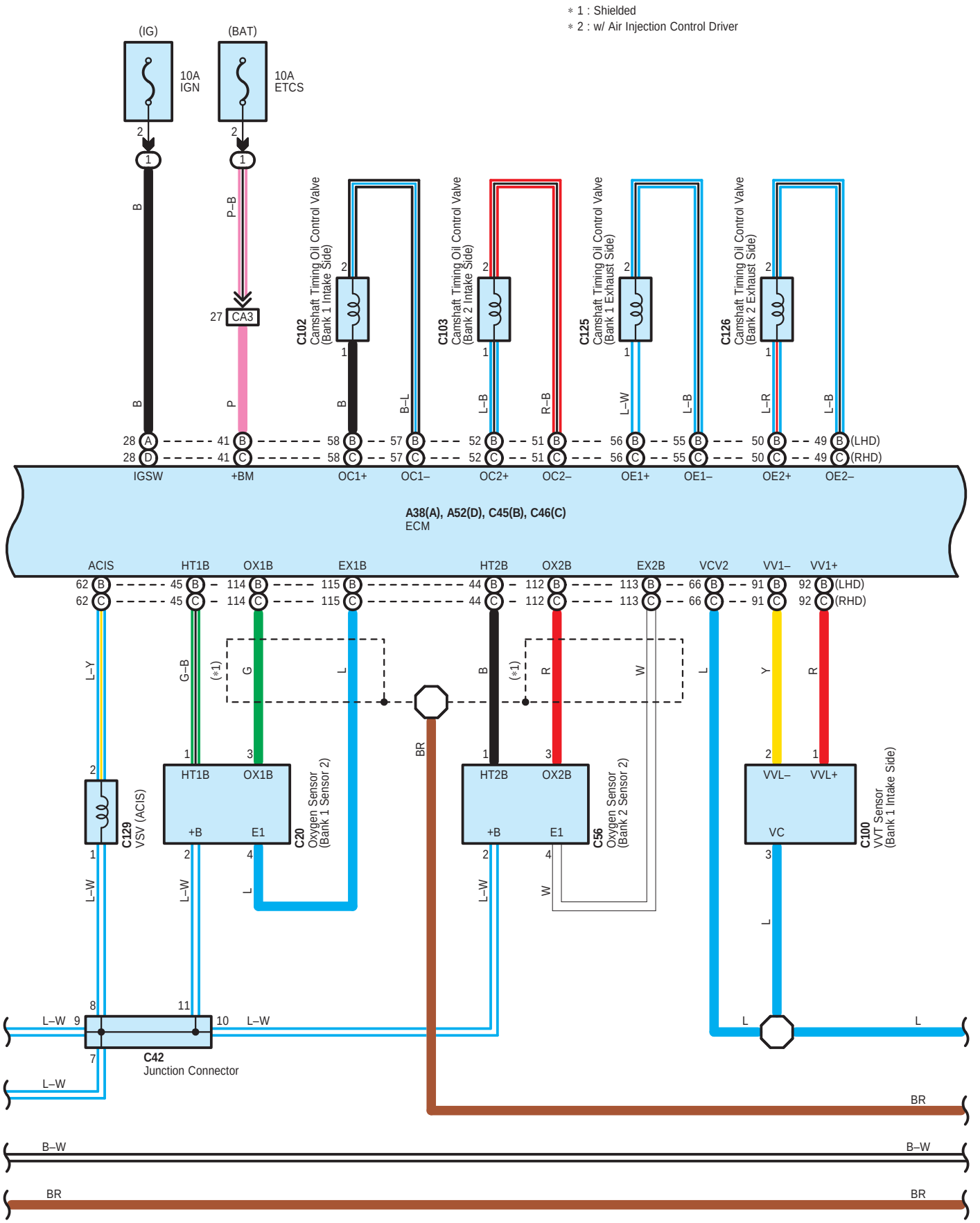

(BAT)
15A
A/F
2
(BAT)
25A
EFI MAIN
2
L
W–R
B
B
B
L
W–R
2 1A
1 1B
2 1B
A/F Relay
EFI Relay
4 1A
3 1A
4 1B
3 1B
B
W–B
B
W–B
B
7. 5A
EFI
NO. 2
1
2
L
(*2)
L
(*2)
L
(*2)
5
2
3
1
AI–VSV
Relay
2 CA2
B–W
W–B
B
B–L
(*2)
R
(*2)
13 CA1
B–L
(*2)
14 CA1
L–W
12 CA1
R
(*2)
A34
Junction
Connector
1
3
2
W–B
(RHD)
W–B
(LHD)
W–B
R(*2)
B–L
(*2)
W–B
B
L–W
B–W
A1
A3

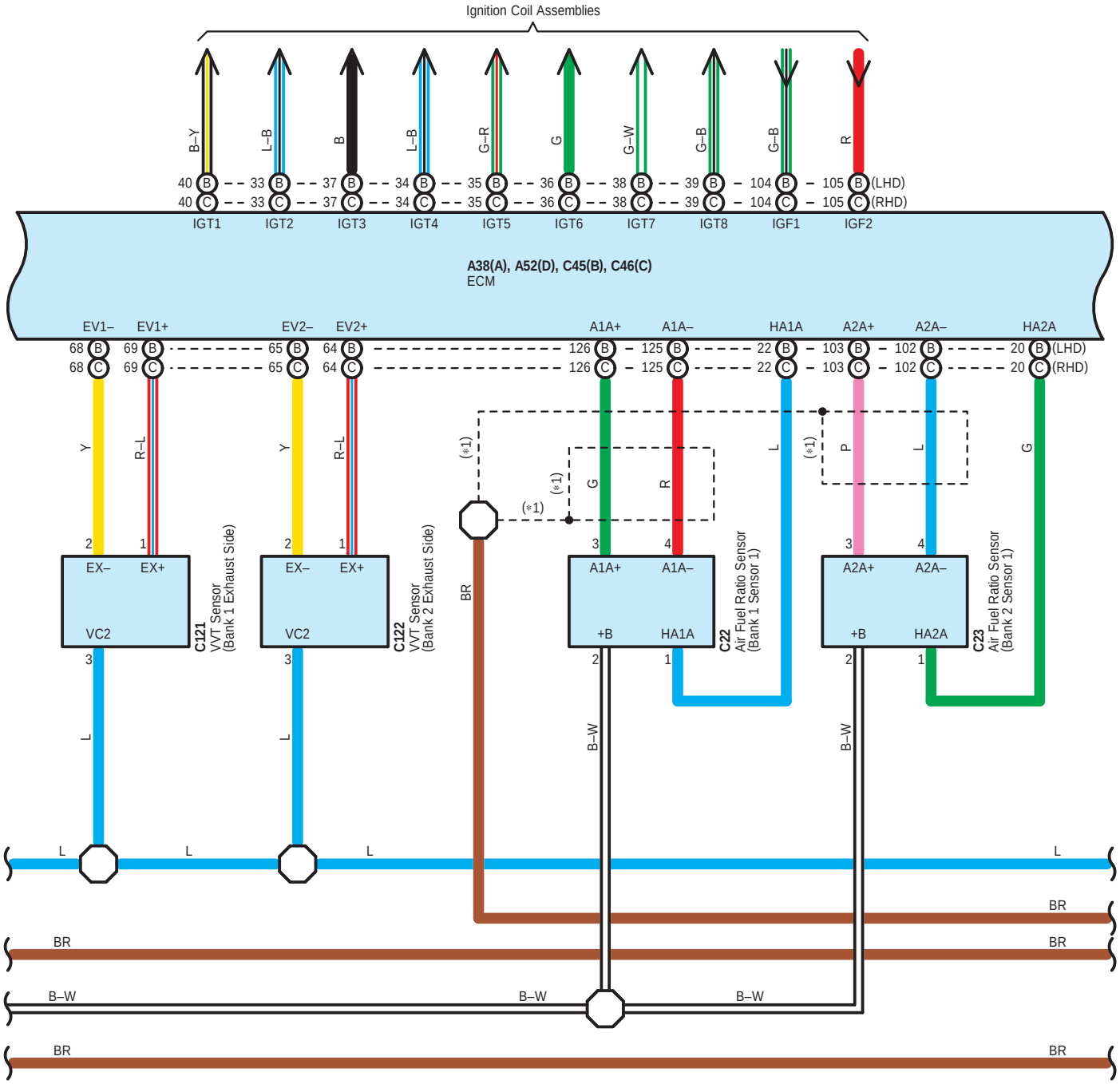

∗ 2 : w/ Air Injection Control Driver
∗ 3 : w/ Air Injection Control Driver w/ AI–PMP HTR Relay
(BAT)
10A
AI–PUMP
HTR
(BAT)
20A
EFI MAIN 2
AI–PMP
HTR
Relay
EFI NO. 2
Relay
N14
Fuel Pump Control
ECU Assembly
+B
E
FP
FP–
FPC
KN1
AK2
CA1
CA1
E2
M
Pump
B2
N1
Fuel Sender
Gage Assembly (Main)
N1
L
W–R
B
W–R (∗3)
B
B–Y
L–R (∗3)
G (∗3)
W–B
B
B
W–B
B–W
W–B
W
G(∗3)
R(∗2)
B–L (∗2)
L–R (∗3)
W–B
B
L–W
B–W
W–B


L
W–R
LG–B(∗2)
P–L
(∗2)
6 CA3
15 CA3
3
AIP2
AIP
+BL
GNDL
E22
VC2
VC
E2
GND
+B
C138
Air Switching Valve (Bank 2)
C137
Air Switching Valve (Bank 1)
B–L
W–B
BR
B–W(∗2)
W–B (∗3)
W
G(∗3)
R(∗2)
B–L(∗2)
L–R (∗3)
BR(∗2)
L–R(∗3)
L(∗2)
B
L–W
B–W
C11

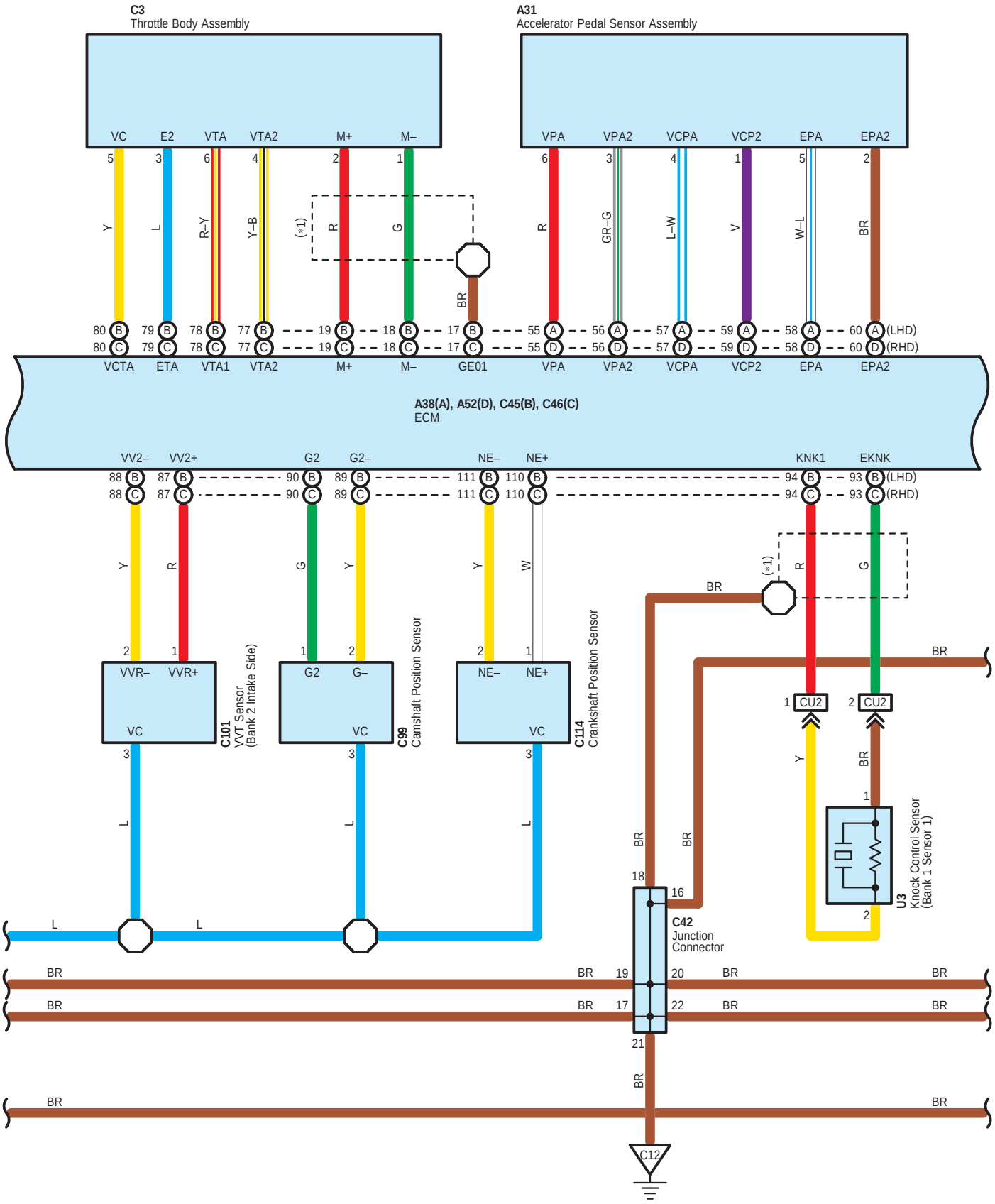

∗ 2 : w/ Air Injection Control Driver
∗ 3 : w/ Air Injection Control Driver w/ AI–PMP HTR Relay
∗ 4 : w/ Air Injection Control Driver w/o AI–PMP HTR Relay
(BAT)
50A
A/PUMP
NO. 1
1F
CA2
C60(A), C61(B)
Air Injection
Control Driver
BATT
DI
SIP
SIV
VV
VP
E
+B
A38(A), A52(D), C45(B), C46(C)
ECM
AIRV
AIRP
AIDI
AIP
AIP2
MREL
BATT
FPC
HAI1
AIR1
+B
+B2
PRG
(LHD)
(RHD)
AK1
KN1
C139
Air Pump
Assembly
C136
Air Pump Assembly
C55
Purge VSV
C10

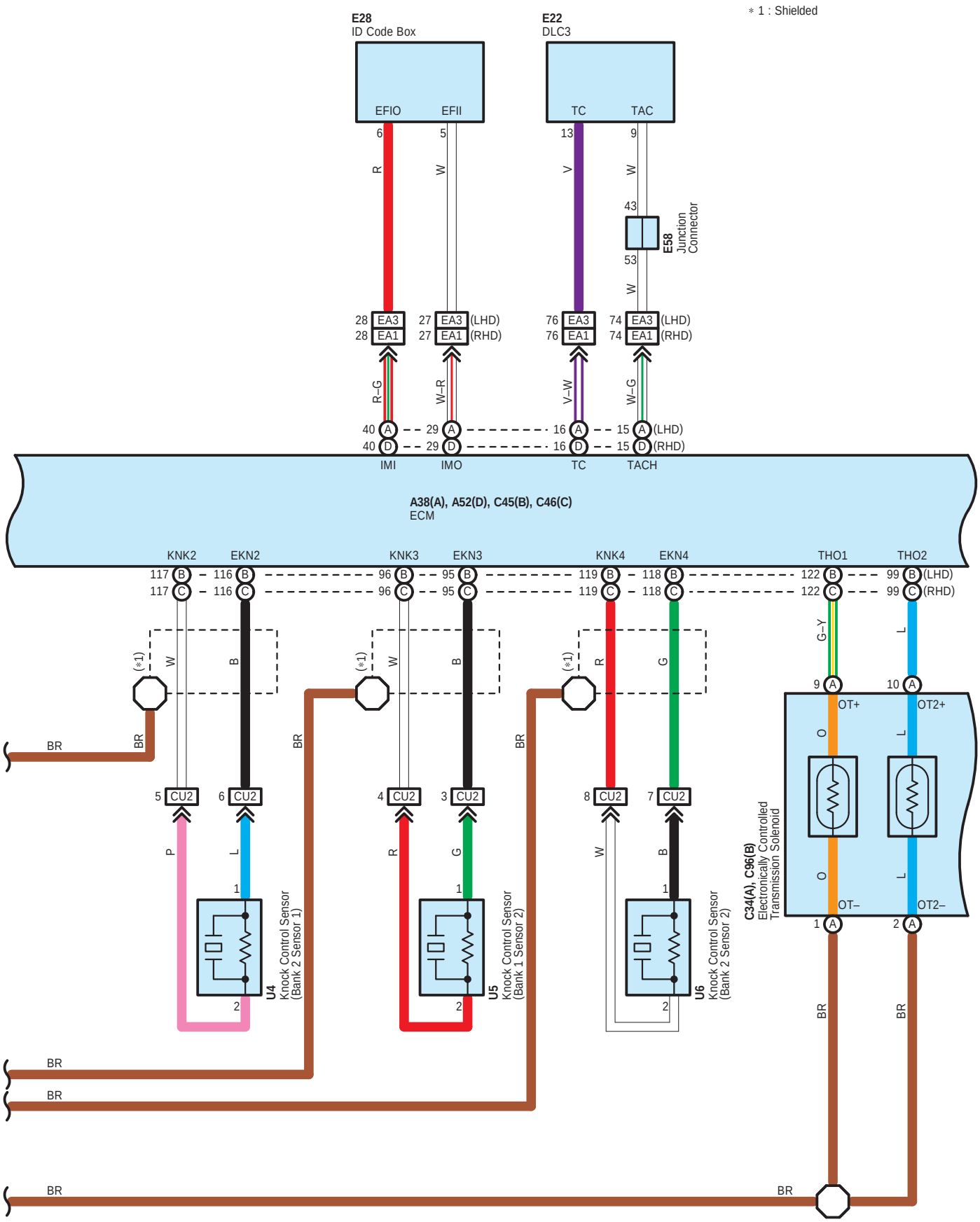

(IG)
10A INJ
2
1
B
B–R
10 CA1
4 Ca1
4 Ca2
3 Ca1
3 Ca2
2 Ca1
2 Ca2
1 Ca1
1 Ca2
W
G
BR
L–R
a5 Fuel Injector Assembly No. 1
a1 Fuel Injector Assembly No. 2
a6 Fuel Injector Assembly No. 3
a2 Fuel Injector Assembly No. 4
a7 Fuel Injector Assembly No. 5
a3 Fuel Injector Assembly No. 6
a8 Fuel Injector Assembly No. 7
a4 Fuel Injector Assembly No. 8
8 Ca1
8 Ca2
7 Ca1
7 Ca2
6 Ca1
6 Ca2
5 Ca1
5 Ca2
R–L
L
R–B
Y
G
R
W
G–Y
86 B
86 C
109 B
109 C
85 B
85 C
108 B
108 C
84 B
84 C
107 B
107 C
83 B
83 C
106 B (LHD)
106 C (RHD)
#10
#20
#30
#40
#50
#60
#70
#80
A38(A), A52(D), C45(B), C46(C)
ECM
PIM
PSP
VCV1
VG
E2G
THA
THW
E2
97 B
97 C
72 B
72 C
67 B
67 C
74 B
74 C
75 B
75 C
73 B
73 C
76 B
76 C
98 B (LHD)
98 C (RHD)
L–R
L–Y
G–W
Y–B
G–B
BR
PIM
VC
E2
C168 E. F. I. Vacuum Sensor Assembly
PSP
E2
VC
C59 Power Steering Oil Pressure Sensor
VG
E2G
THA
E2
+B
C50 Mass Air Flow Meter
C18 E. F. I. Engine Coolant Temperature Sensor
L–W
B–W
(*2)

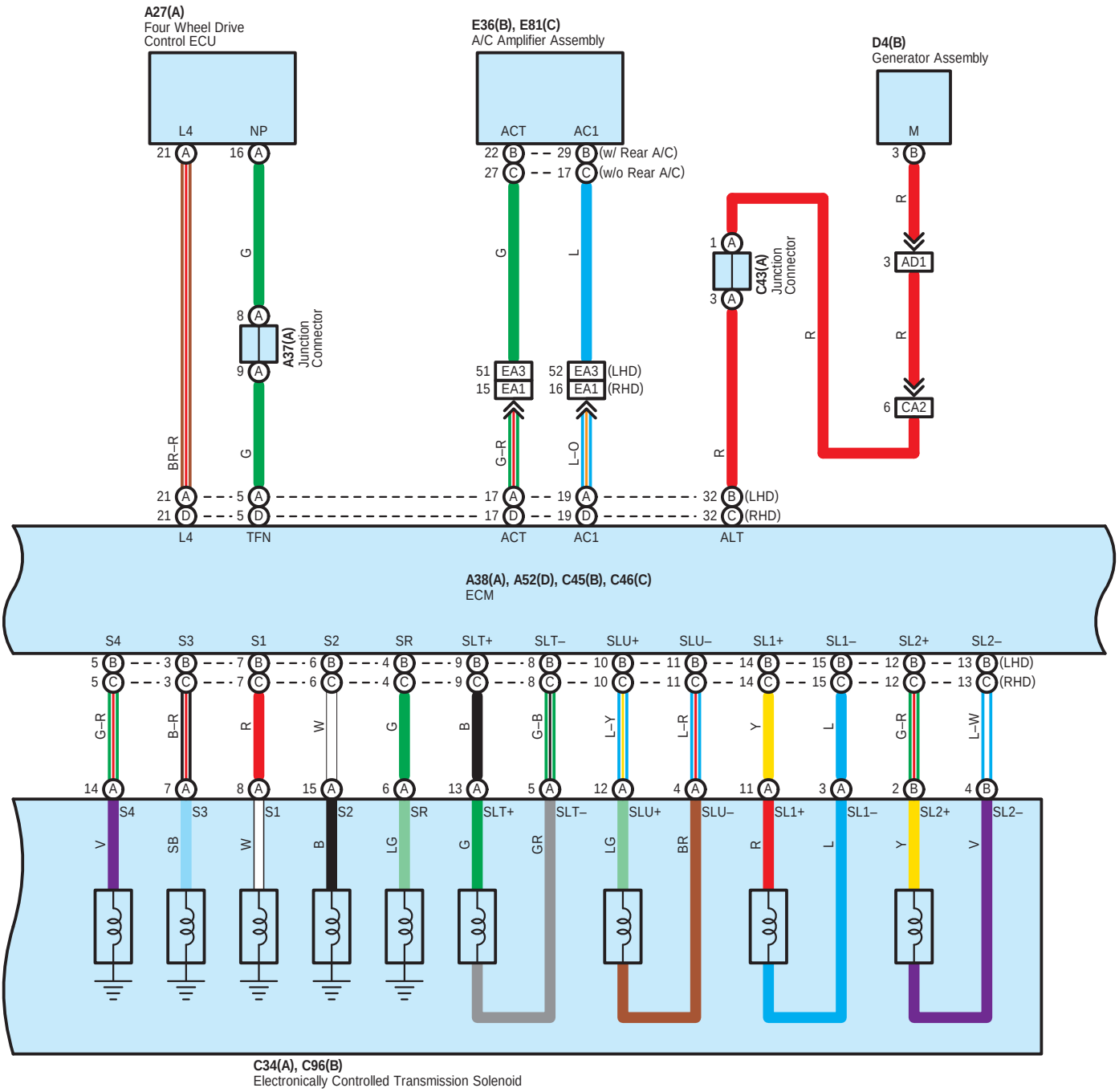

* 1 : Shielded
* 2 : w/ Air Injection Control Driver
(IG)
(BAT)
10A IGN
10A ETCS
27 CA3
C102 Camshaft Timing Oil Control Valve (Bank 1 Intake Side)
C103 Camshaft Timing Oil Control Valve (Bank 2 Intake Side)
C125 Camshaft Timing Oil Control Valve (Bank 1 Exhaust Side)
C126 Camshaft Timing Oil Control Valve (Bank 2 Exhaust Side)
IGSW
+BM
OC1+
OC1–
OC2+
OC2–
OE1+
OE1–
OE2+
OE2–
(LHD)
(RHD)
A38(A), A52(D), C45(B), C46(C)
ECM
ACIS
HT1B
OX1B
EX1B
HT2B
OX2B
EX2B
VCV2
VV1–
VV1+
C129 VSV (ACIS)
C20 Oxygen Sensor (Bank 1 Sensor 2)
C56 Oxygen Sensor (Bank 2 Sensor 2)
C100 VVT Sensor (Bank 1 Intake Side)
C42 Junction Connector
+B
E1
VC
VVL–
VVL+
(*1)
BR
B–W

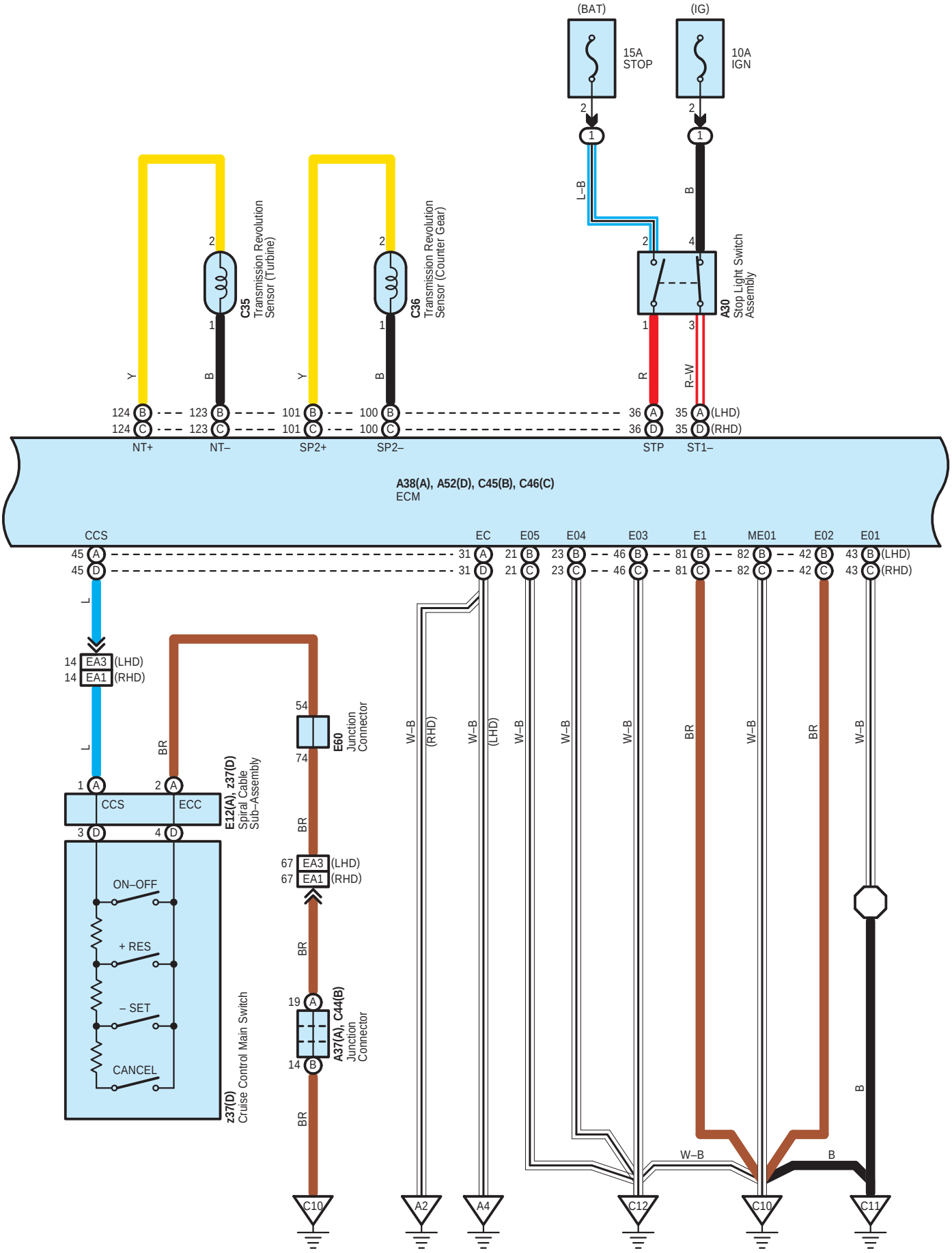

Ignition Coil Assemblies
B–Y
L–B
B
L–B
G–R
G
G–W
G–B
G–B
R
40 B
40 C
33 B
33 C
37 B
37 C
34 B
34 C
35 B
35 C
36 B
36 C
38 B
38 C
39 B
39 C
104 B
104 C
105 B (LHD)
105 C (RHD)
IGT1
IGT2
IGT3
IGT4
IGT5
IGT6
IGT7
IGT8
IGF1
IGF2
A38(A), A52(D), C45(B), C46(C)
ECM
EV1–
EV1+
EV2–
EV2+
A1A+
A1A–
HA1A
A2A+
A2A–
HA2A
68 B
68 C
69 B
69 C
65 B
65 C
64 B
64 C
126 B
126 C
125 B
125 C
22 B
22 C
103 B
103 C
102 B
102 C
20 B (LHD)
20 C (RHD)
Y
R–L
Y
R–L
(*1)
(*1)
(*1)
G
R
L
(*1)
P
L
G
EX–
EX+
VC2
C121
VVT Sensor (Bank 1 Exhaust Side)
EX–
EX+
VC2
C122
VVT Sensor (Bank 2 Exhaust Side)
A1A+
A1A–
+B
HA1A
C22
Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A2A+
A2A–
+B
HA2A
C23
Air Fuel Ratio Sensor (Bank 2 Sensor 1)
BR
L
L
L
L
B–W
B–W
BR
BR
BR
B–W
B–W
B–W
BR
BR

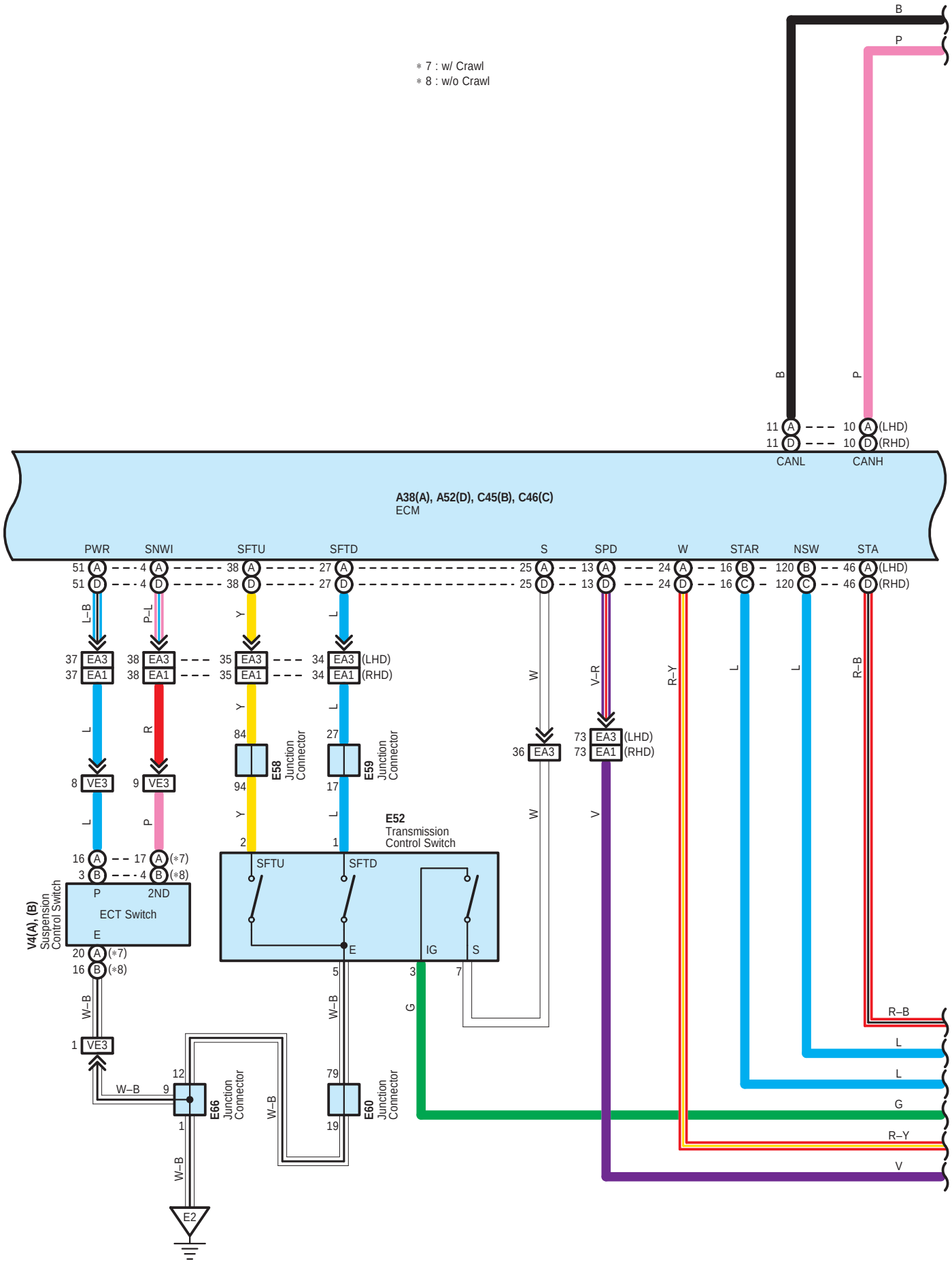
∗ 1 : Shielded

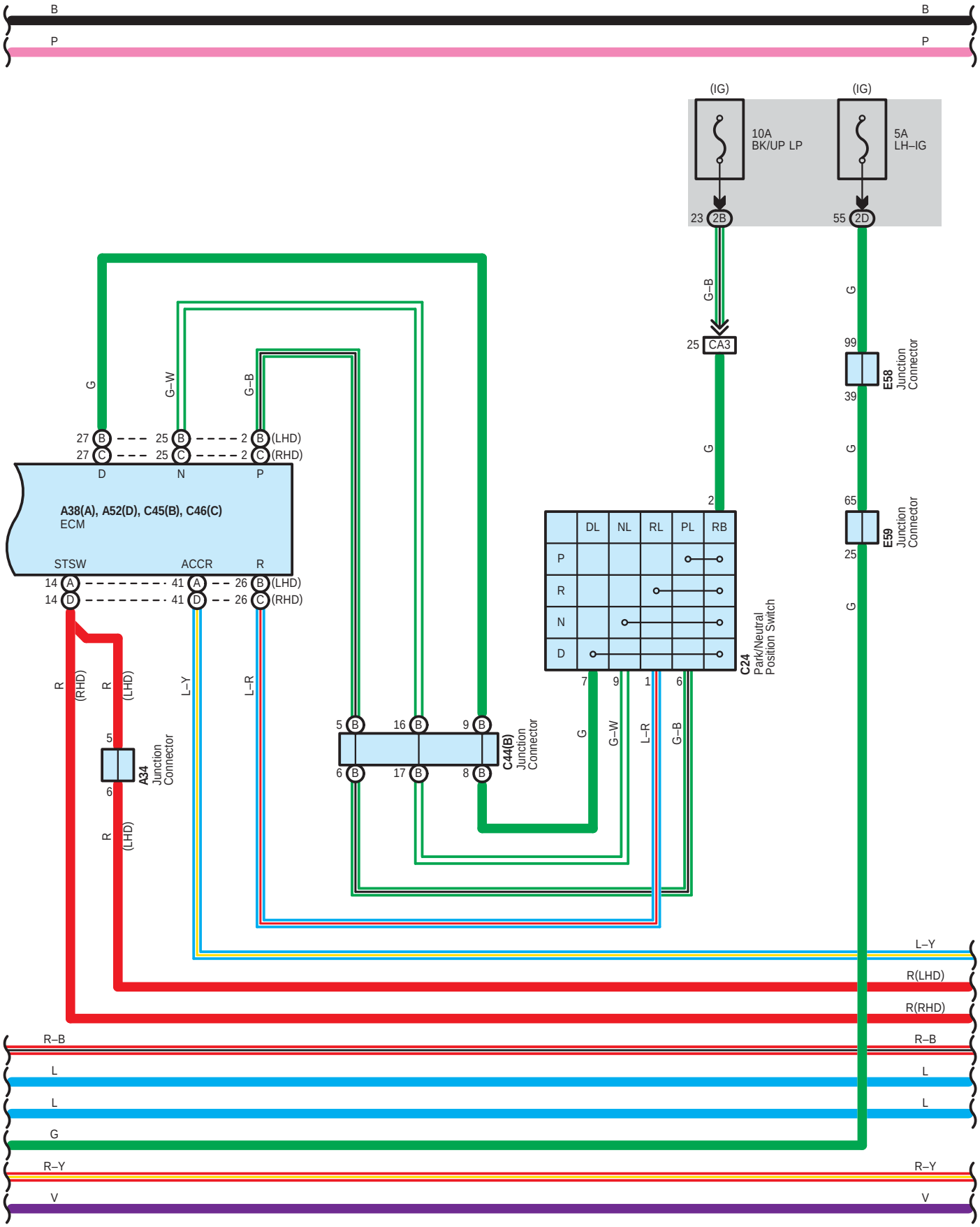

C3
Throttle Body Assembly
A31
Accelerator Pedal Sensor Assembly
VC E2 VTA VTA2 M+ M–
VPA VPA2 VCPA VCP2 EPA EPA2
A38(A), A52(D), C45(B), C46(C)
ECM
VCTA ETA VTA1 VTA2 M+ M– GE01 VPA VPA2 VCPA VCP2 EPA EPA2
VV2– VV2+ G2 G2– NE– NE+ KNK1 EKNK
(LHD)
(RHD)
C101
VVT Sensor
(Bank 2 Intake Side)
VVR– VVR+ VC
C99
Camshaft Position Sensor
G2 G– VC
C114
Crankshaft Position Sensor
NE– NE+ VC
(∗1)
CU2
U3
Knock Control Sensor
(Bank 1 Sensor 1)
C42
Junction
Connector
C12

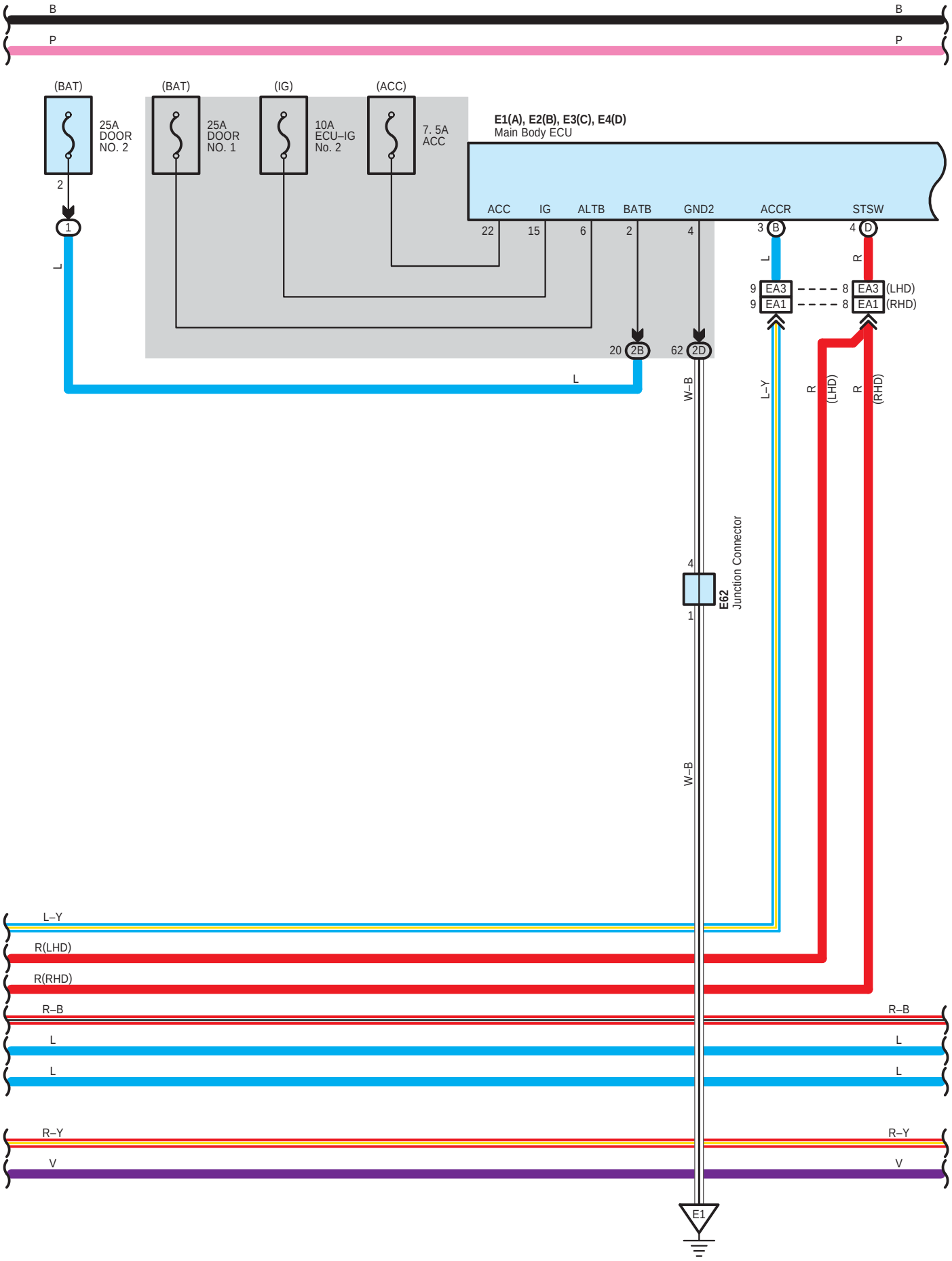

* 1 : Shielded
E28
ID Code Box
EFIO
EFII
E22
DLC3
TC
TAC
E58
Junction Connector
(LHD)
(RHD)
IMI
IMO
TC
TACH
A38(A), A52(D), C45(B), C46(C)
ECM
KNK2
EKN2
KNK3
EKN3
KNK4
EKN4
THO1
THO2
CU2
U4
Knock Control Sensor (Bank 2 Sensor 1)
U5
Knock Control Sensor (Bank 1 Sensor 2)
U6
Knock Control Sensor (Bank 2 Sensor 2)
C34(A), C96(B)
Electronically Controlled Transmission Solenoid
OT+
OT2+
OT–
OT2–
BR

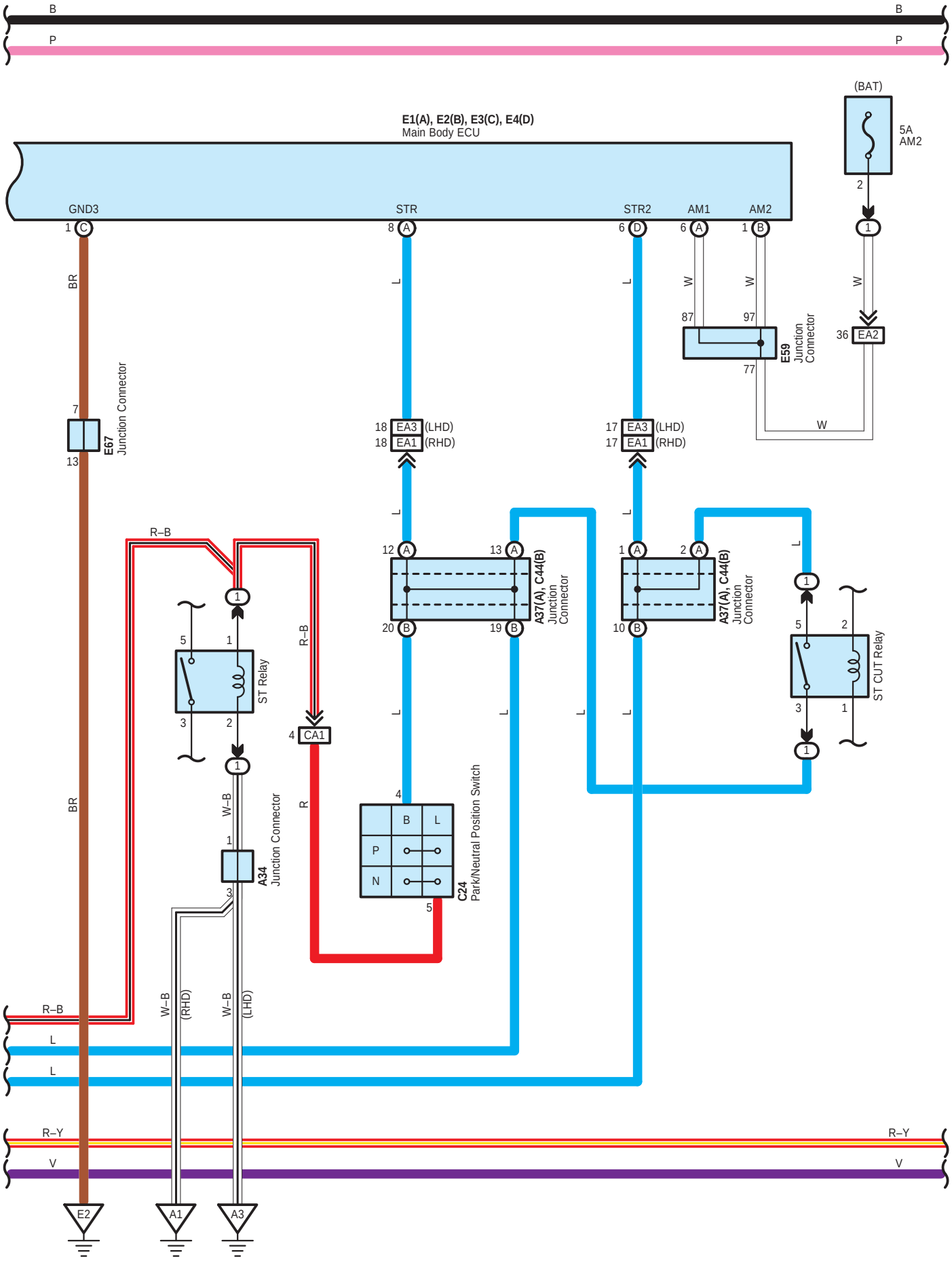

A27(A)
Four Wheel Drive Control ECU
L4
NP
E36(B), E81(C)
A/C Amplifier Assembly
ACT
AC1
D4(B)
Generator Assembly
M
(w/ Rear A/C)
(w/o Rear A/C)
A37(A) Junction Connector
C43(A) Junction Connector
AD1
CA2
EA3
EA1
(LHD)
(RHD)
BR–R
G
L
G–R
L–O
R
TFN
ALT
A38(A), A52(D), C45(B), C46(C)
ECM
S4
S3
S1
S2
SR
SLT+
SLT–
SLU+
SLU–
SL1+
SL1–
SL2+
SL2–
G–R
B–R
W
B
LG
GR
L–Y
L–R
Y
L
L–W
V
SB
BR
C34(A), C96(B)
Electronically Controlled Transmission Solenoid

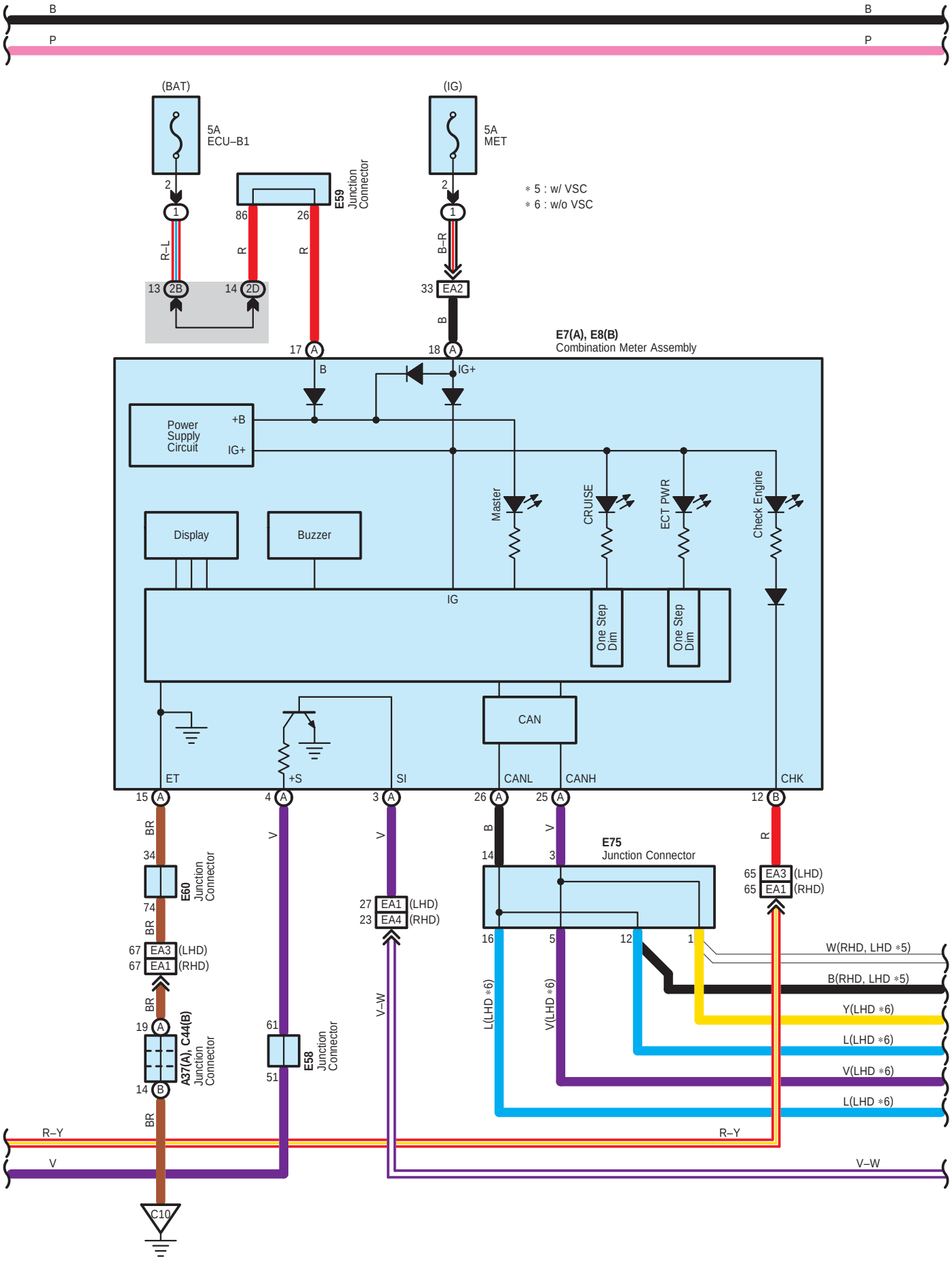

(BAT)
(IG)
15A
STOP
10A
IGN
C35
Transmission Revolution Sensor (Turbine)
C36
Transmission Revolution Sensor (Counter Gear)
A30
Stop Light Switch Assembly
NT+
NT–
SP2+
SP2–
STP
ST1–
(LHD)
(RHD)
A38(A), A52(D), C45(B), C46(C)
ECM
CCS
EC
E05
E04
E03
E1
ME01
E02
E01
EA3
EA1
E12(A), z37(D)
Spiral Cable Sub–Assembly
E60
Junction Connector
A37(A), C44(B)
Junction Connector
z37(D)
Cruise Control Main Switch
ON–OFF
+ RES
– SET
CANCEL
W–B
BR
L
B
L–B
R
R–W
C10
A2
A4
C12
C11

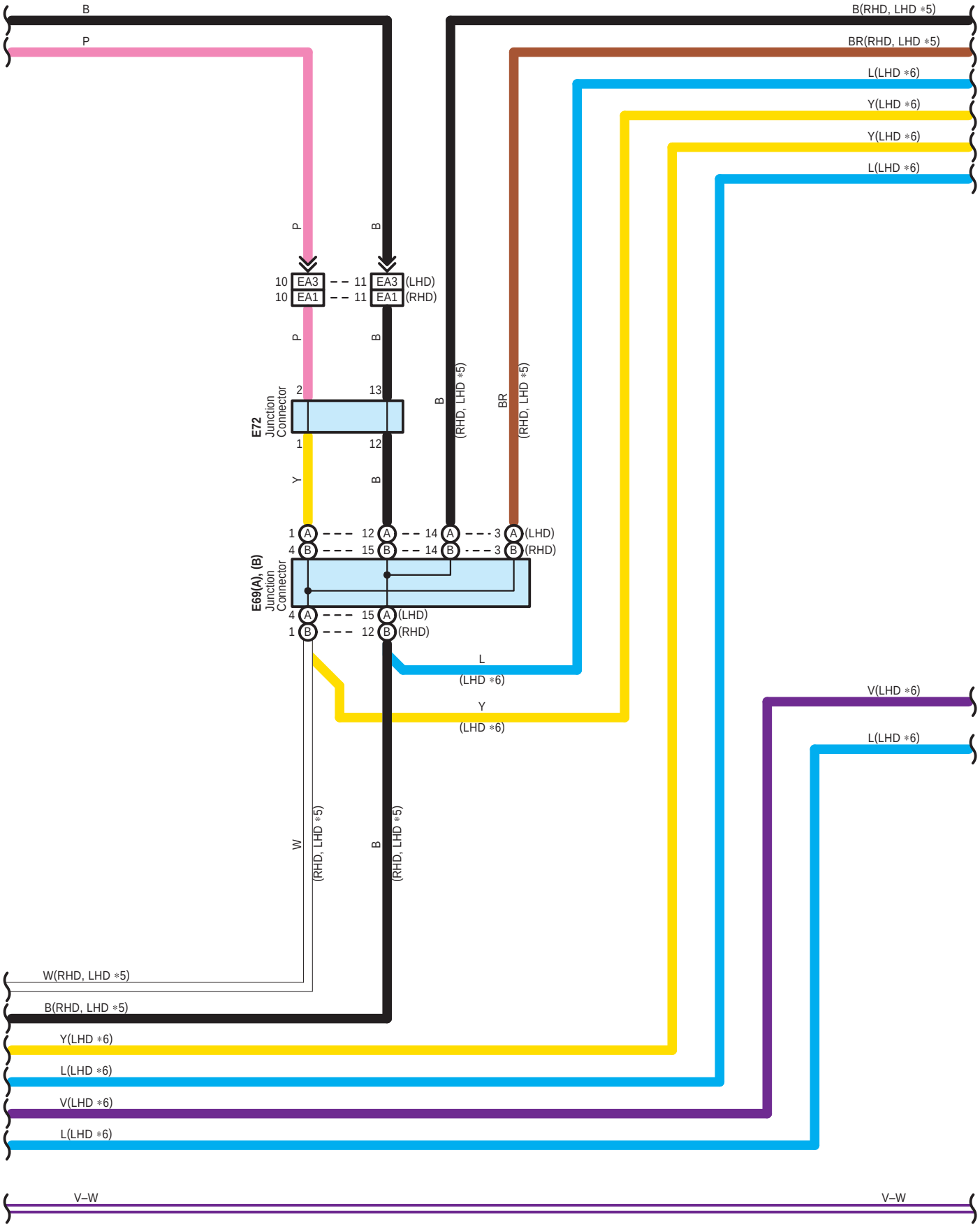

∗ 7 : w/ Crawl
∗ 8 : w/o Crawl
B
P
11 A 10 A (LHD)
11 D 10 D (RHD)
CANL
CANH
A38(A), A52(D), C45(B), C46(C)
ECM
PWR
SNWI
SFTU
SFTD
S
SPD
W
STAR
NSW
STA
51 A 4 A 38 A 27 A 25 A 13 A 24 A 16 B 120 B 46 A (LHD)
51 D 4 D 38 D 27 D 25 D 13 D 24 D 16 C 120 C 46 D (RHD)
L–B
P–L
Y
L
W
V–R
R–Y
L
L
R–B
37 EA3 38 EA3 35 EA3 34 EA3 (LHD)
37 EA1 38 EA1 35 EA1 34 EA1 (RHD)
36 EA3
73 EA3 (LHD)
73 EA1 (RHD)
L
R
Y
L
8 VE3
9 VE3
84
94
27
17
E58 Junction Connector
E59 Junction Connector
E52
Transmission Control Switch
L
P
Y
L
W
V
2
1
16 A 17 A (∗7)
3 B 4 B (∗8)
P
2ND
ECT Switch
E
SFTU
SFTD
E
IG
S
V4(A), (B) Suspension Control Switch
20 A (∗7)
16 B (∗8)
5
3
7
G
W–B
W–B
R–B
L
L
G
R–Y
V
1 VE3
12
9
79
W–B
1
19
E66 Junction Connector
E60 Junction Connector
W–B
W–B
E2

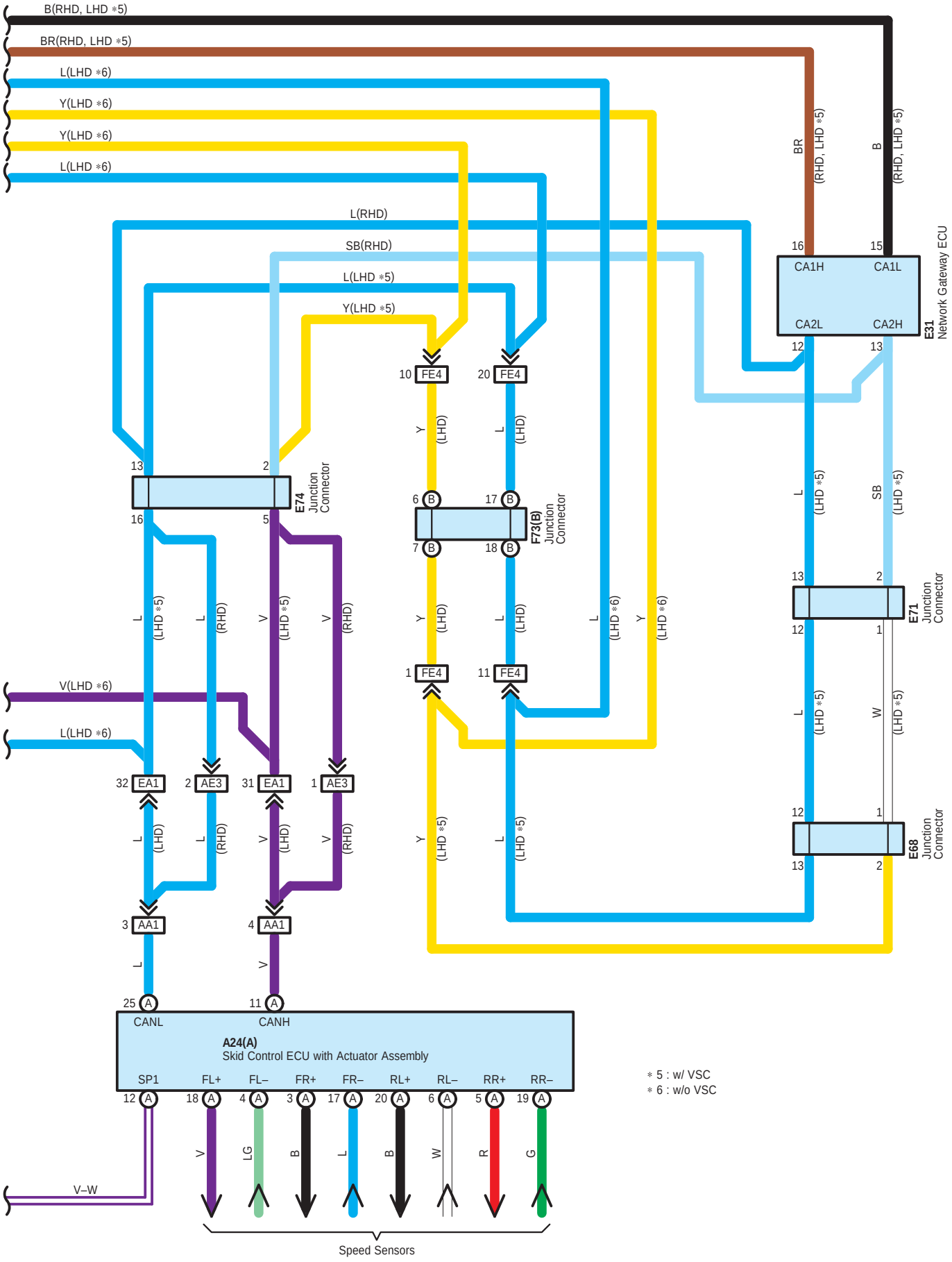

B
P
(IG)
10A
BK/UP LP
23 2B
(IG)
5A
LH–IG
55 2D
G–B
25 CA3
G
99
E58
Junction
Connector
39
65
E59
Junction
Connector
25
2
DL NL RL PL RB
P
R
N
D
C24
Park/Neutral
Position Switch
7 9 1 6
G
G–W
L–R
G–B
G
G–W
G–B
27 B 25 B 2 B (LHD)
27 C 25 C 2 C (RHD)
D N P
A38(A), A52(D), C45(B), C46(C)
ECM
STSW ACCR R
14 A 41 A 26 B (LHD)
14 D 41 D 26 C (RHD)
R (RHD)
R (LHD)
L–Y
L–R
5
6
A34
Junction
Connector
5 B 16 B 9 B
6 B 17 B 8 B
C44(B)
Junction
Connector
L–Y
R(LHD)
R(RHD)
R–B
L
L
G
R–Y
V


B
P
(BAT)
25A DOOR NO. 2
2
1
L
(BAT)
25A DOOR NO. 1
(IG)
10A ECU–IG No. 2
(ACC)
7. 5A ACC
E1(A), E2(B), E3(C), E4(D)
Main Body ECU
ACC 22
IG 15
ALTB 6
BATB 2
GND2 4
ACCR 3 B
STSW 4 D
20 2B
62 2D
L
W–B
L–Y
R (LHD)
R (RHD)
9 EA3
9 EA1
8 EA3 (LHD)
8 EA1 (RHD)
4
1
E62
Junction Connector
W–B
L–Y
R(LHD)
R(RHD)
R–B
L
L
R–Y
V
E1

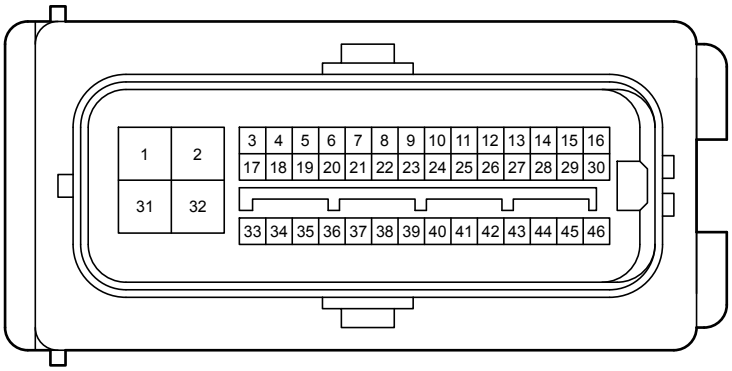

B
P
(BAT)
5A
AM2
E1(A), E2(B), E3(C), E4(D)
Main Body ECU
GND3
STR
STR2
AM1
AM2
BR
L
W
E67
Junction Connector
E59
Junction Connector
EA2
EA3 (LHD)
EA1 (RHD)
R–B
ST Relay
ST CUT Relay
CA1
R
A37(A), C44(B)
Junction Connector
A34
Junction Connector
W–B
C24
Park/Neutral Position Switch
R–Y
V
E2
A1
A3


B
P
(BAT)
5A
ECU–B1
(IG)
5A
MET
E59
Junction
Connector
∗ 5 : w/ VSC
∗ 6 : w/o VSC
R–L
R
B–R
B
E7(A), E8(B)
Combination Meter Assembly
Power
Supply
Circuit
+B
IG+
Display
Buzzer
Master
CRUISE
ECT PWR
Check Engine
IG
One Step
Dim
CAN
ET
+S
SI
CANL
CANH
CHK
BR
V
E60
Junction
Connector
EA3 (LHD)
EA1 (RHD)
EA1 (LHD)
EA4 (RHD)
A37(A), C44(B)
Junction
Connector
E58
Junction
Connector
E75
Junction Connector
W(RHD, LHD ∗5)
B(RHD, LHD ∗5)
Y(LHD ∗6)
L(LHD ∗6)
V(LHD ∗6)
L(LHD ∗6)
R–Y
V–W
C10

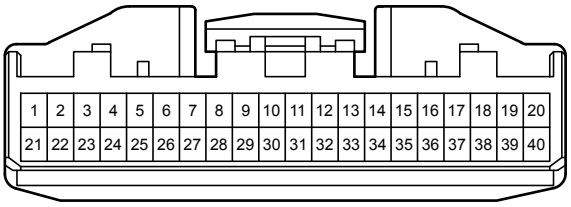

B
P
B(RHD, LHD *5)
BR(RHD, LHD *5)
L(LHD *6)
Y(LHD *6)
Y(LHD *6)
L(LHD *6)
P
B
10 EA3 11 EA3 (LHD)
10 EA1 11 EA1 (RHD)
E72 Junction Connector
2
13
1
12
B (RHD, LHD *5)
BR (RHD, LHD *5)
Y
B
1 A 12 A 14 A 3 A (LHD)
4 B 15 B 14 B 3 B (RHD)
E69(A), (B) Junction Connector
4 A 15 A (LHD)
1 B 12 B (RHD)
L
(LHD *6)
Y
(LHD *6)
V(LHD *6)
L(LHD *6)
W
(RHD, LHD *5)
B
(RHD, LHD *5)
W(RHD, LHD *5)
B(RHD, LHD *5)
Y(LHD *6)
L(LHD *6)
V(LHD *6)
L(LHD *6)
V–W
V–W


B(RHD, LHD *5)
BR(RHD, LHD *5)
L(LHD *6)
Y(LHD *6)
Y(LHD *6)
L(LHD *6)
L(RHD)
SB(RHD)
L(LHD *5)
Y(LHD *5)
BR (RHD, LHD *5)
B (RHD, LHD *5)
16 CA1H
15 CA1L
CA2L 12
CA2H 13
E31 Network Gateway ECU
10 FE4
20 FE4
Y (LHD)
L (LHD)
13
2
E74 Junction Connector
16
5
6 B
17 B
7 B
18 B
F73(B) Junction Connector
L (LHD *5)
L (RHD)
V (LHD *5)
V (RHD)
L (LHD *6)
Y (LHD *6)
1 FE4
11 FE4
V(LHD *6)
L(LHD *6)
L (LHD *5)
SB (LHD *5)
13
2
12
1
E71 Junction Connector
W (LHD *5)
12
1
13
2
E68 Junction Connector
32 EA1
2 AE3
31 EA1
1 AE3
L (LHD)
L (RHD)
V (LHD)
V (RHD)
3 AA1
4 AA1
L
V
25 A
11 A
CANL
CANH
A24(A)
Skid Control ECU with Actuator Assembly
SP1 FL+ FL– FR+ FR– RL+ RL– RR+ RR–
12 A
18 A
4 A
3 A
17 A
20 A
6 A
5 A
19 A
V
LG
B
L
B
W
R
G
V–W
Speed Sensors
* 5 : w/ VSC
* 6 : w/o VSC

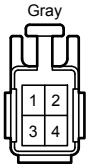
A 24
Black



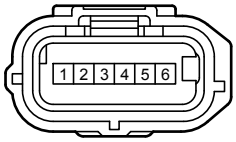
A 27
Black



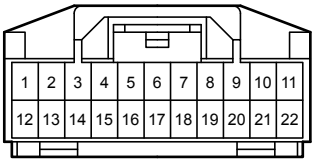
A 30
Gray



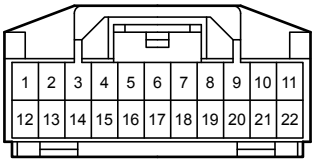
A 31
Black



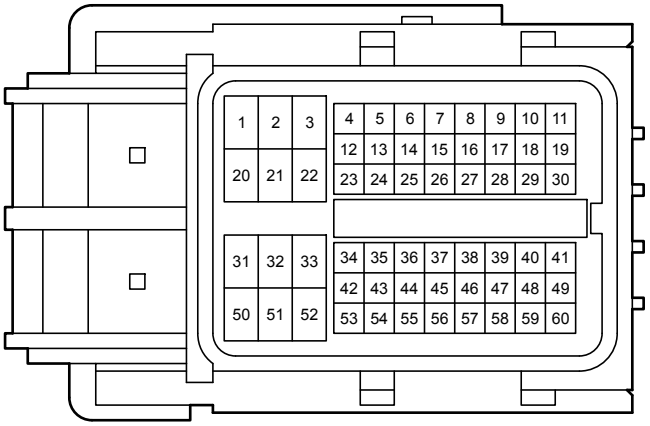
A 34
White



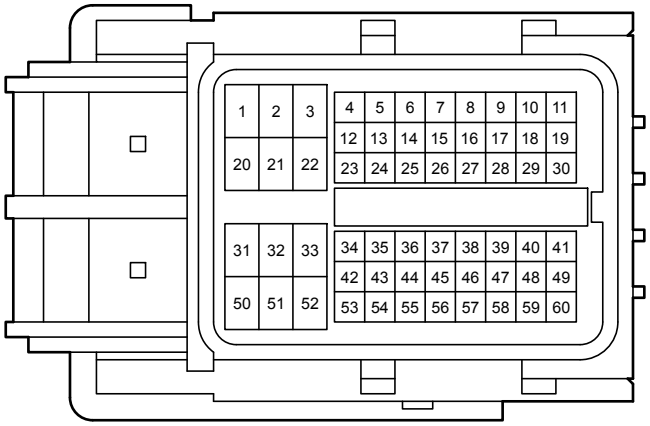
A 37
Blue



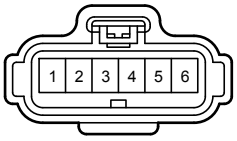
A 38
Black



A 52
Black



C 3
Black



C 18
Dark Gray



C 20
Dark Gray



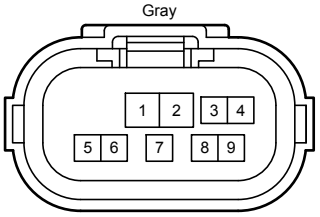
C 22
Dark Gray



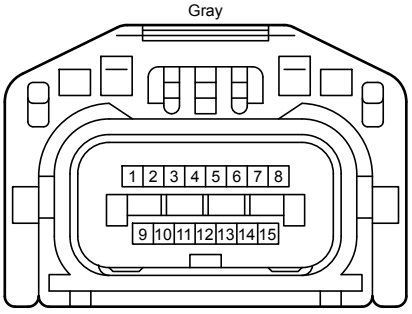
C 23
Dark Gray



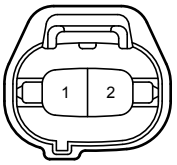
C 24
Gray



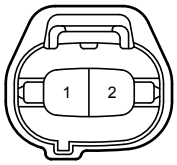
C 34
Gray



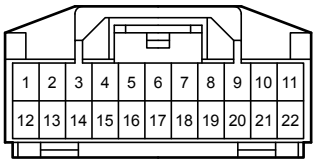
C 35
Black



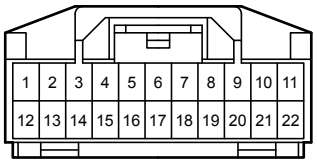
C 36
Black



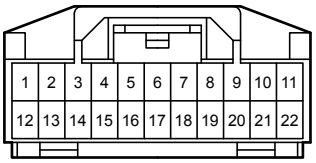
C 42
White



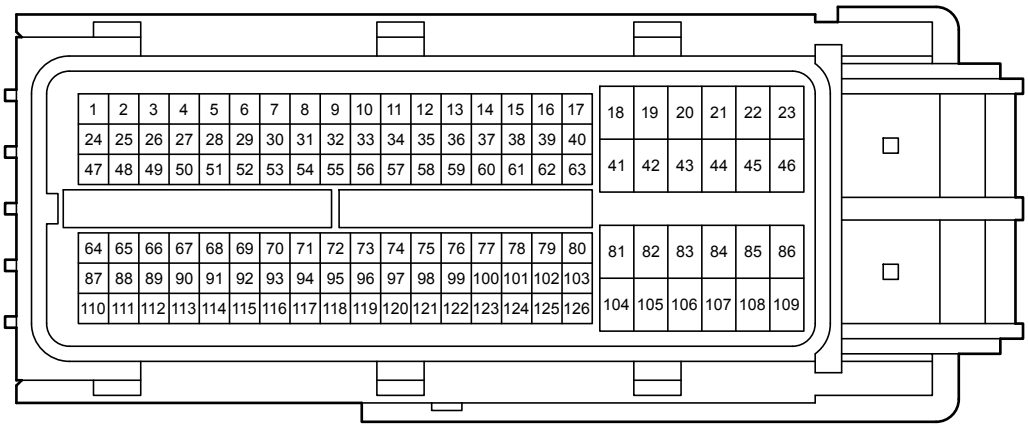
C 43
White



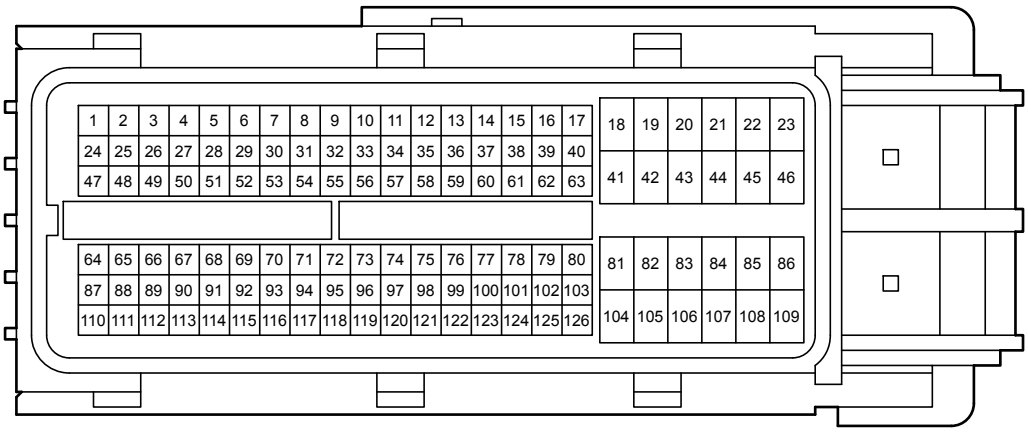
C 44
Blue



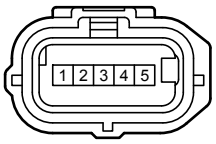
C 45
Black



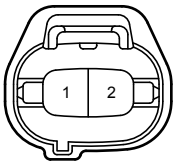
C 46
Black



C 50
Black



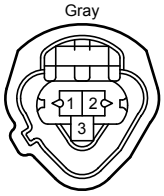
C 55
Black



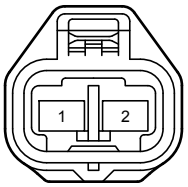
C 56
Dark Gray



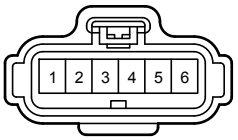
C 59
Gray



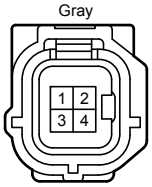
C 60
Black



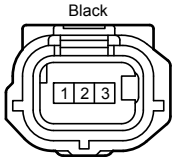
C 61
Black



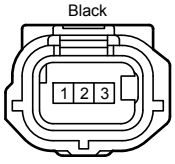
C 96
Gray



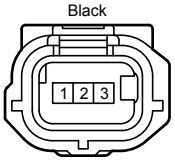
C 99
Black



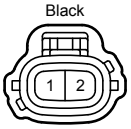
C100
Black



C101
Black



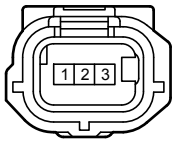
C102
Black



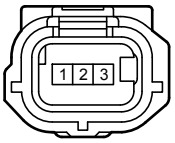
C103
Black



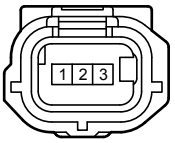
C114
Black



C121
Black



C122
Black



C125
Black



(Before Jun. 2020 Production)

C125
Gray



(From Jun. 2020 Production)

C126
Black



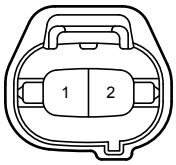
(Before Jun. 2020 Production)

C126
Gray

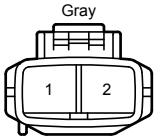


(From Jun. 2020 Production)

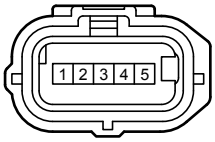
C129
Black



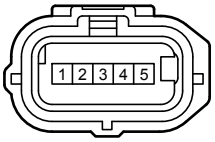
C136
Gray



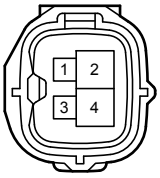
C137
Black



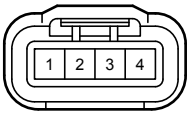
C138
Black



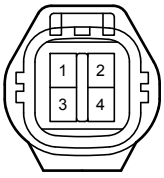
C139
Black



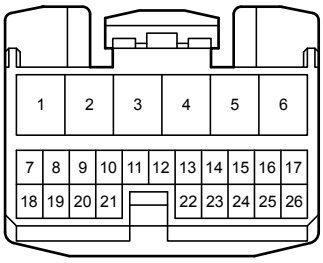
C168
Black



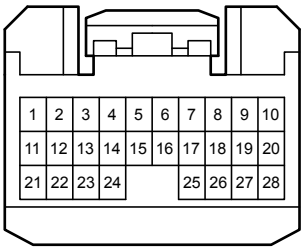
D 4
Black



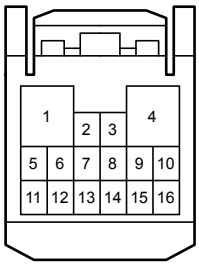
E 1
White



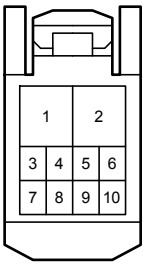
E 2
White



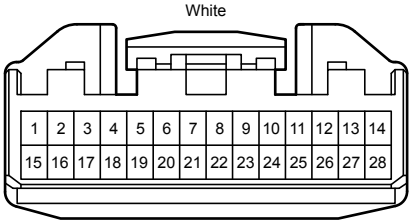
E 3
White



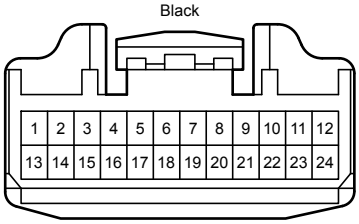
E 4
White



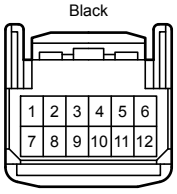
E 7
White



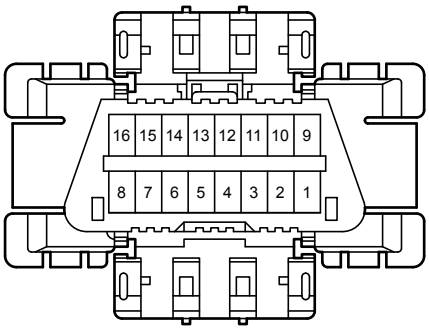
E 8
Black



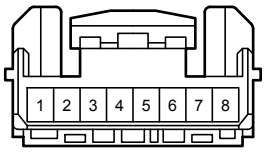
E 12
Black



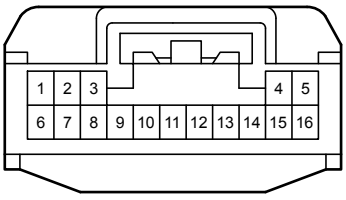
E 22
White



E 28
White

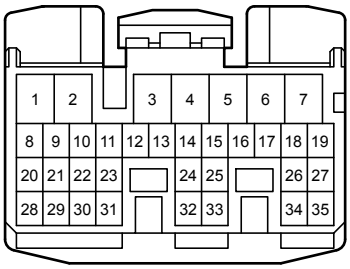


E 31
White



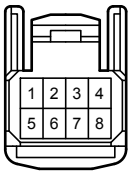
E 36

White

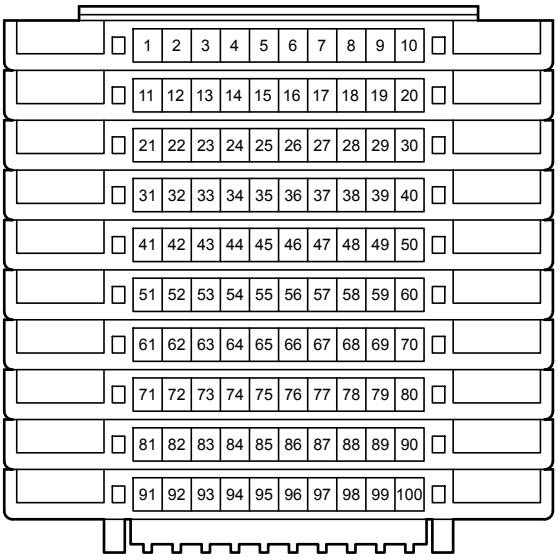


E 52

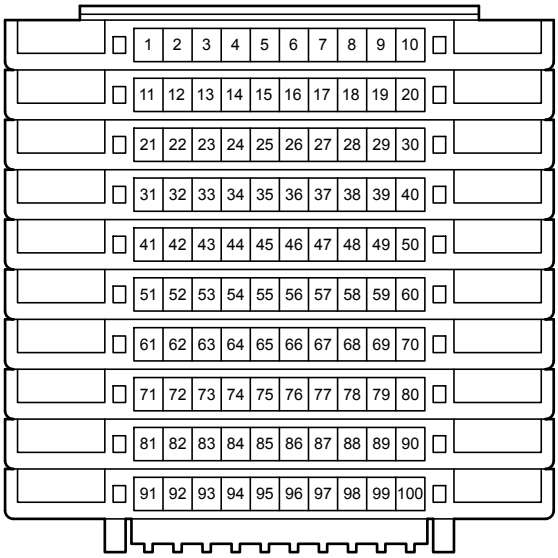
White



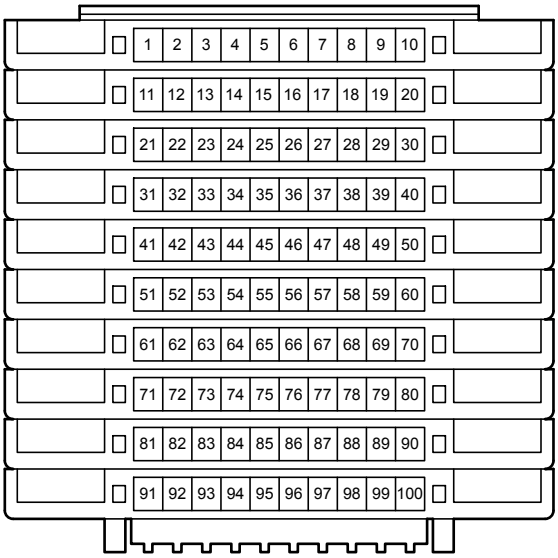
E 58



E 59

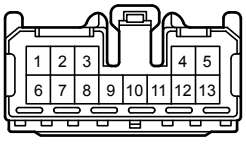


E 60



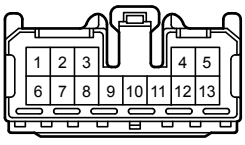
E 62

White



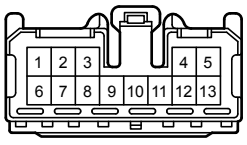
E 66

White



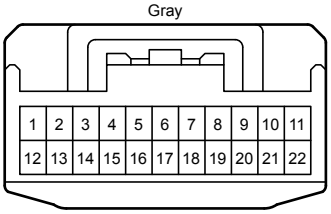
E 67

White



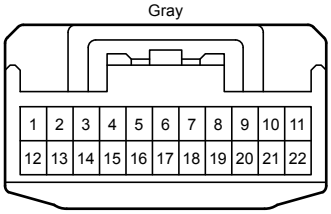
E 68

Gray



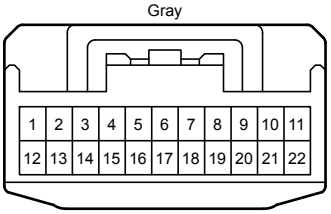
E 69

Gray



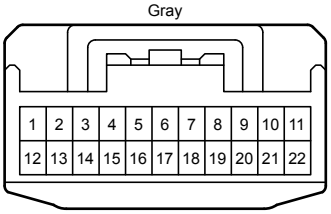
E 71

Gray

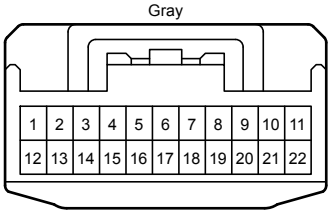


E 72

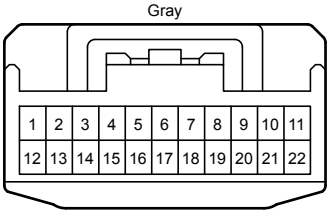
Gray



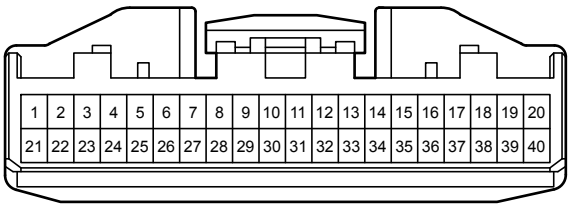
E 74
Gray



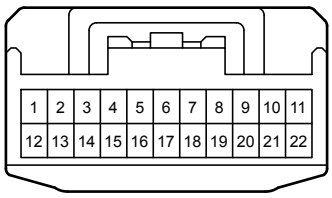
E 75
Gray



E 81
White



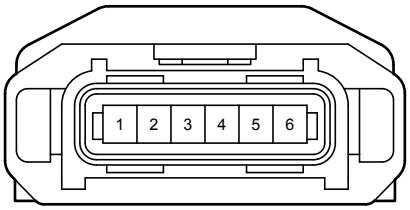
F 73
Blue



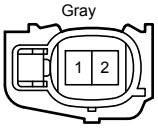
N 1
White



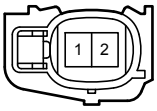
N 14
Black



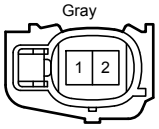
U 3
Gray



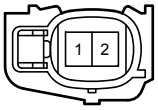
U 4
Black



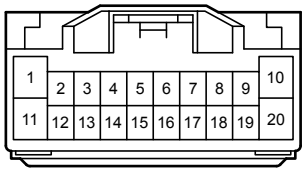
U 5
Gray



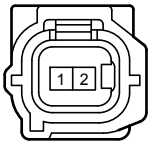
U 6
Black



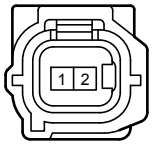
V 4
White



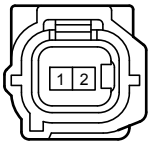
a 1
Black



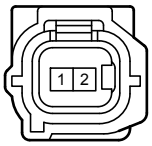
a 2
Black



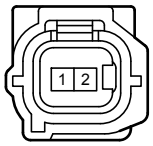
a 3
Black



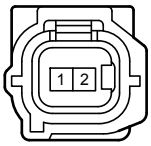
a 4
Black



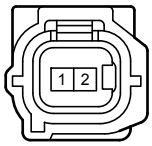
a 5
Black



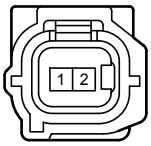
a 6
Black



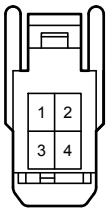
a 7
Black



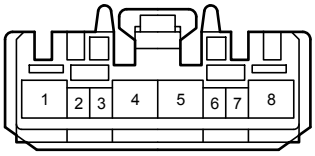
a 8
Black



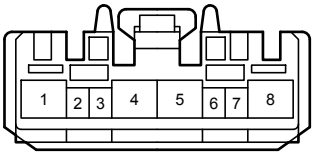
z 37
White



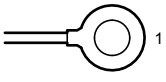
1A
White



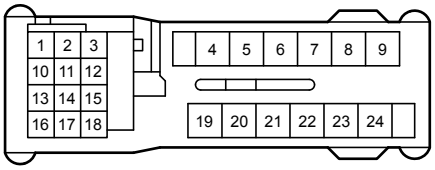
1B
White



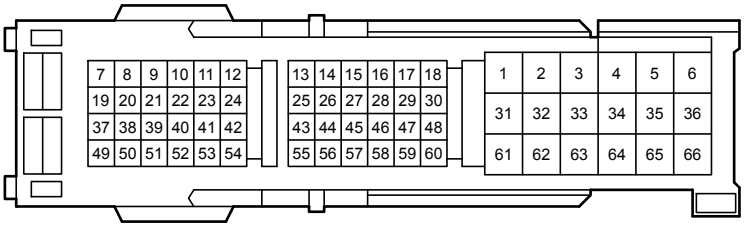
1F



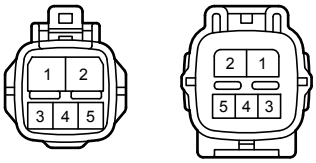
2B
White



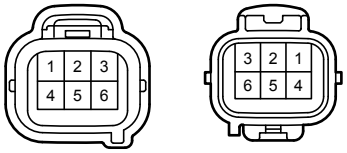
2D
White



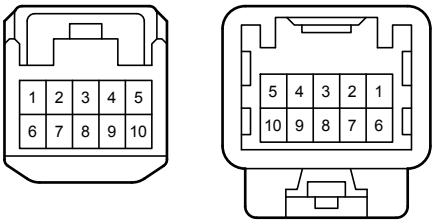
AA1
Gray



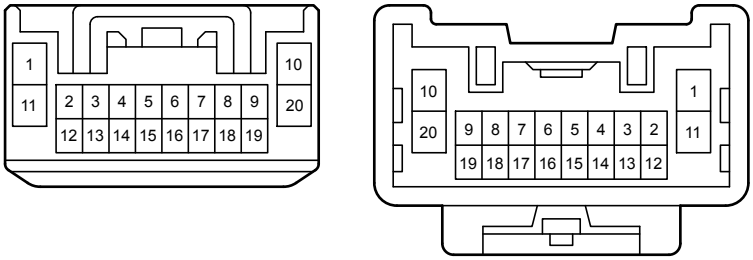
AD1
Black



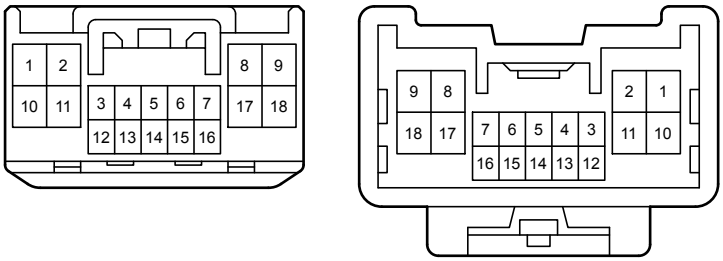
AE3
Gray



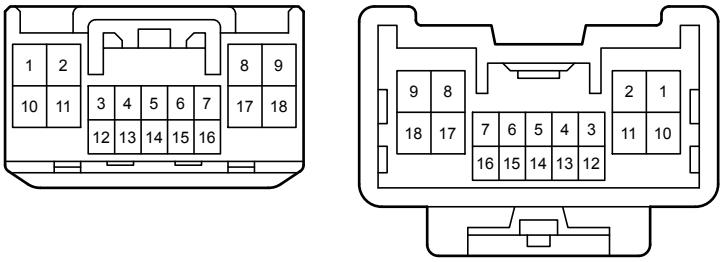
AK1
Blue



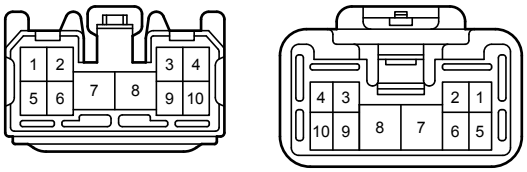
AK2
Gray



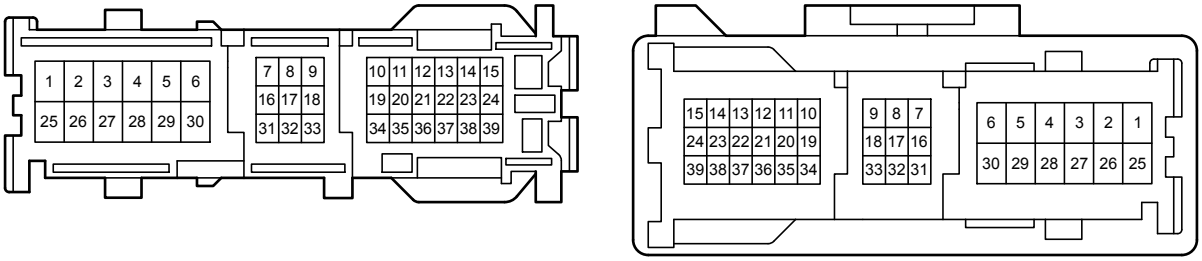
CA1
White



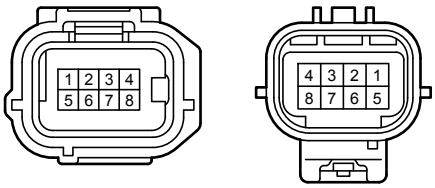
CA2
White



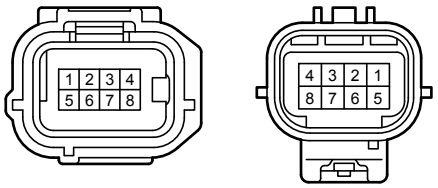
CA3
White



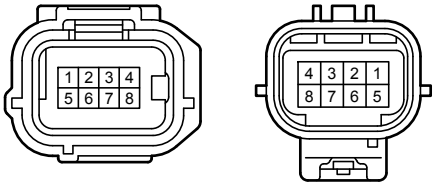
CU2
Gray

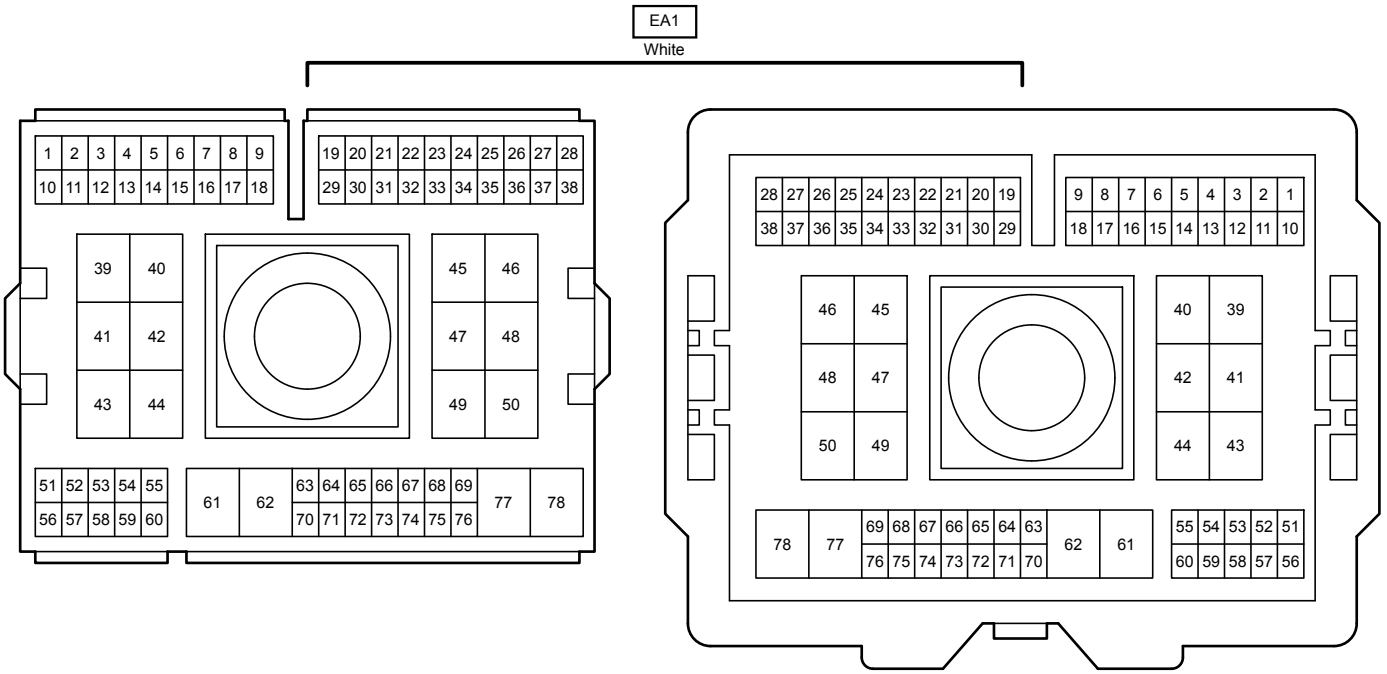


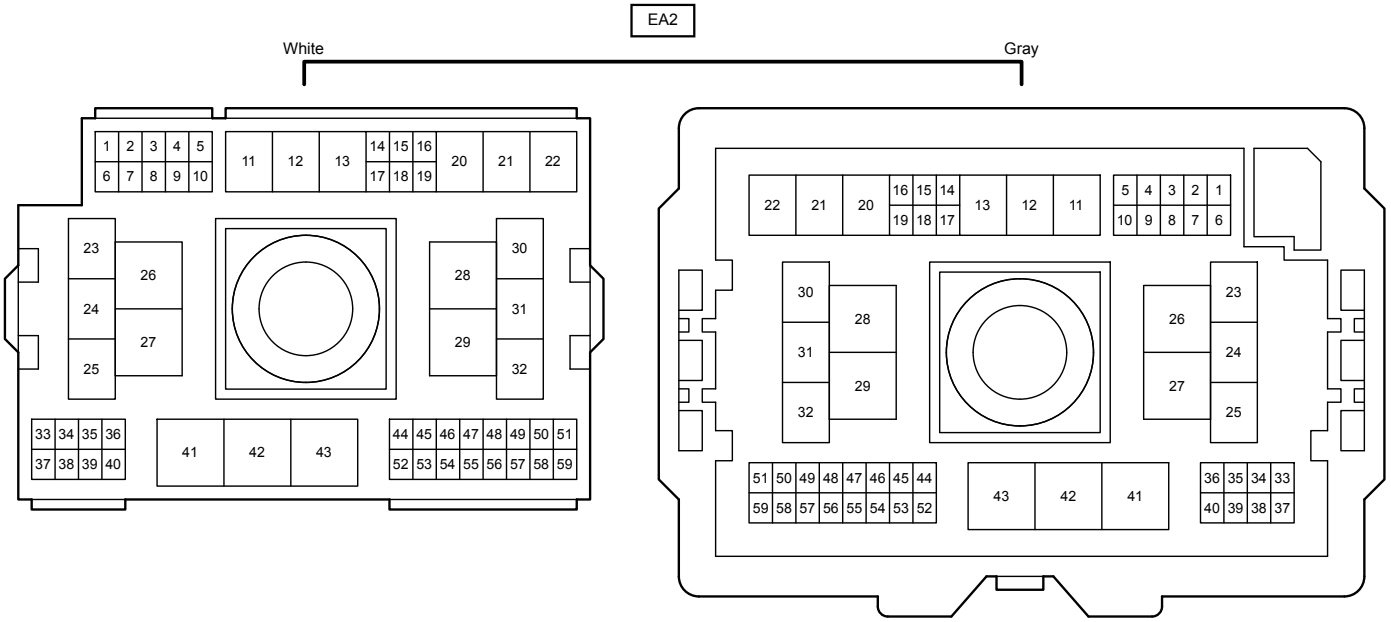
Ca1
Gray



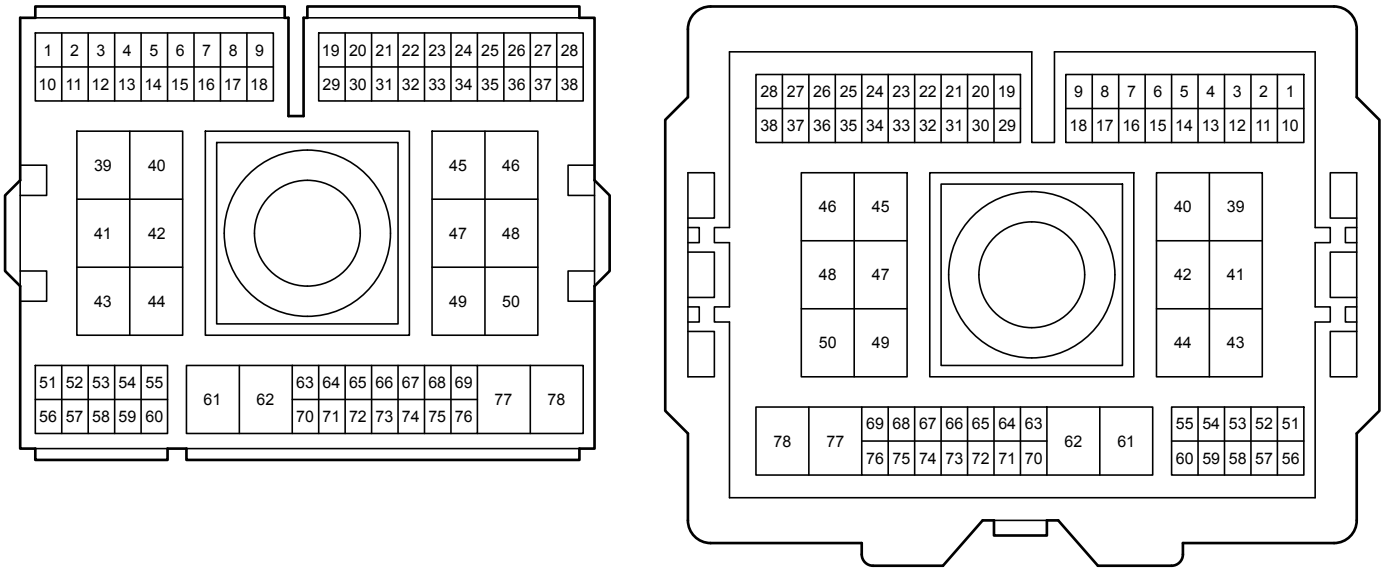
Ca2
Gray



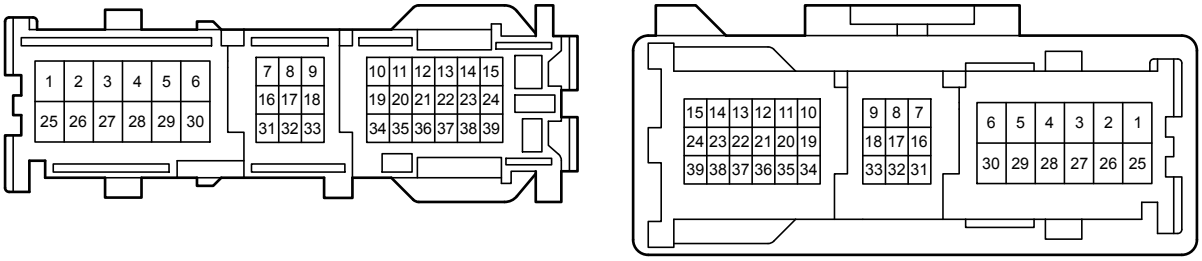

EA1
White
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
19 20 21 22 23 24 25 26 27 28
29 30 31 32 33 34 35 36 37 38
39 40
41 42
43 44
45 46
47 48
49 50
51 52 53 54 55
56 57 58 59 60
61 62
63 64 65 66 67 68 69
70 71 72 73 74 75 76
77 78
28 27 26 25 24 23 22 21 20 19
38 37 36 35 34 33 32 31 30 29
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
46 45
48 47
50 49
40 39
42 41
44 43
78 77
69 68 67 66 65 64 63
76 75 74 73 72 71 70
62 61
55 54 53 52 51
60 59 58 57 56


EA2
White
Gray
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
22 21 20
16 15 14
19 18 17
13 12 11
5 4 3 2 1
10 9 8 7 6
30 31 32
28 29
23 24 25
26 27
51 50 49 48 47 46 45 44
59 58 57 56 55 54 53 52
43 42 41
36 35 34 33
40 39 38 37

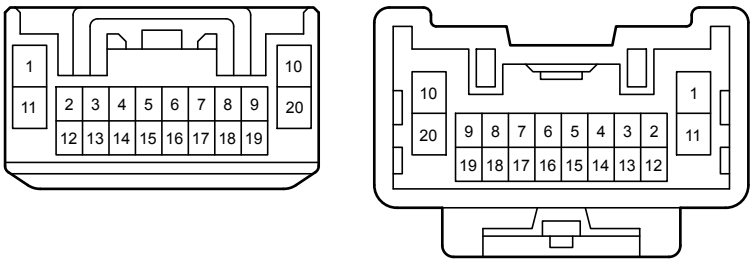
EA3
White



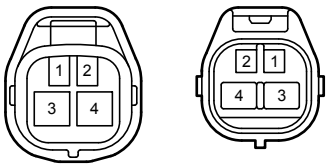
EA4
White

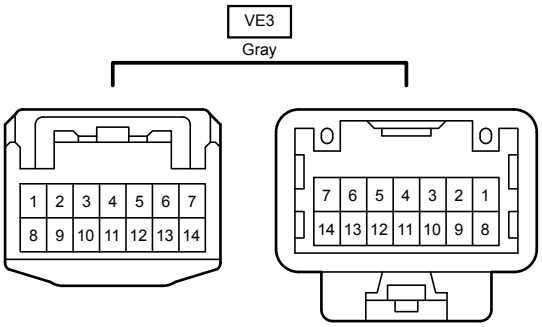


FE4
White



KN1
White




VE3
Gray
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