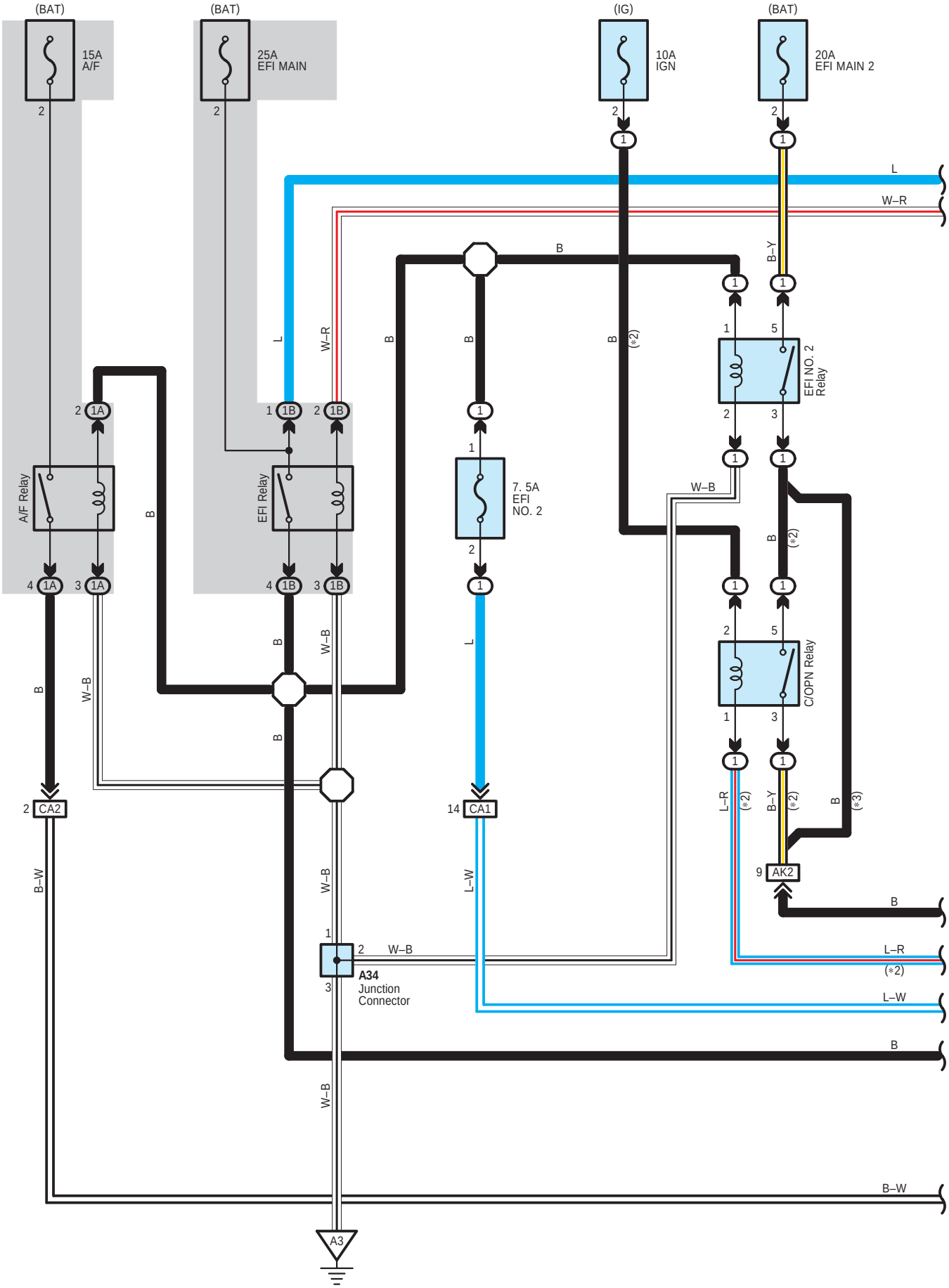
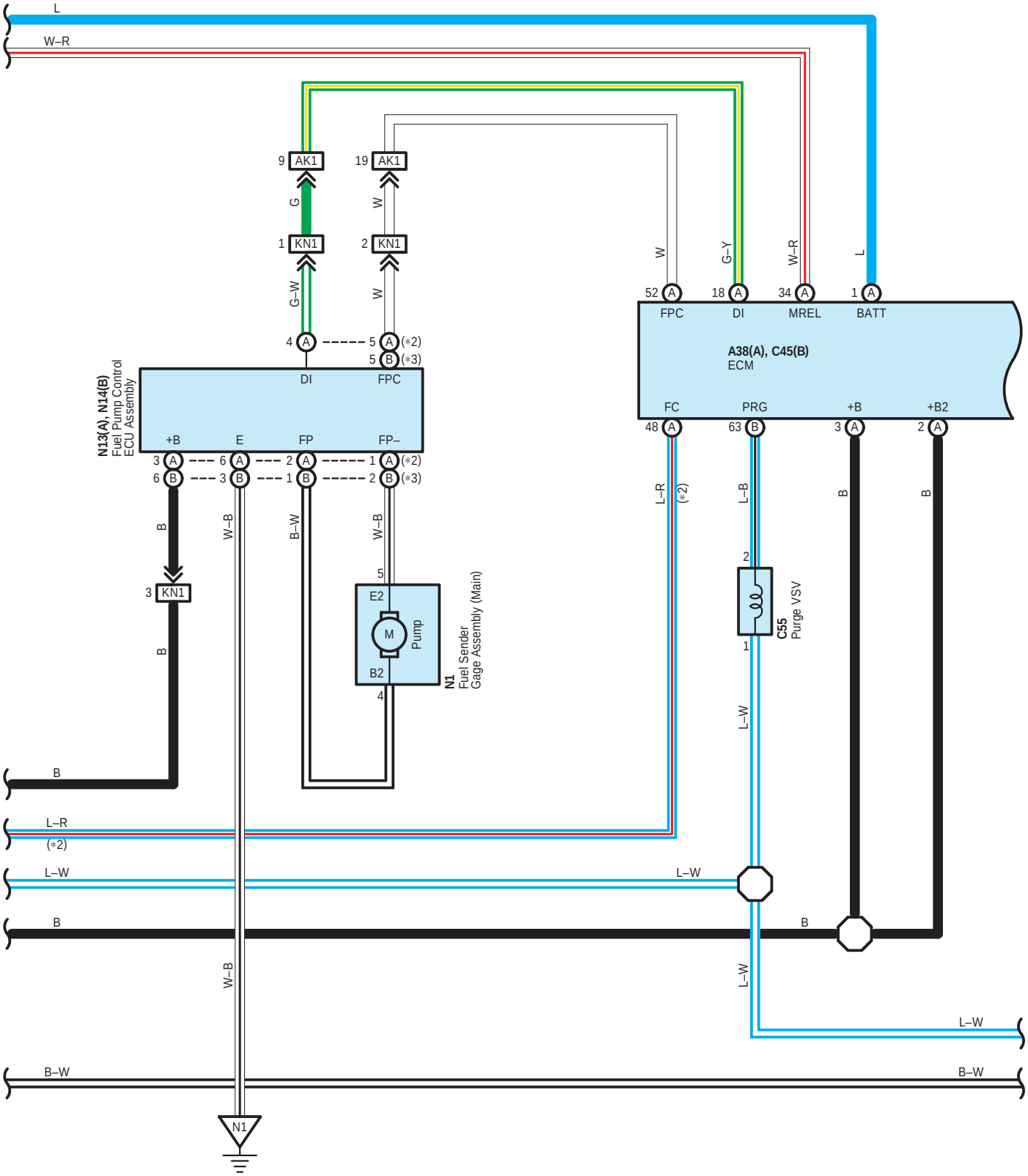
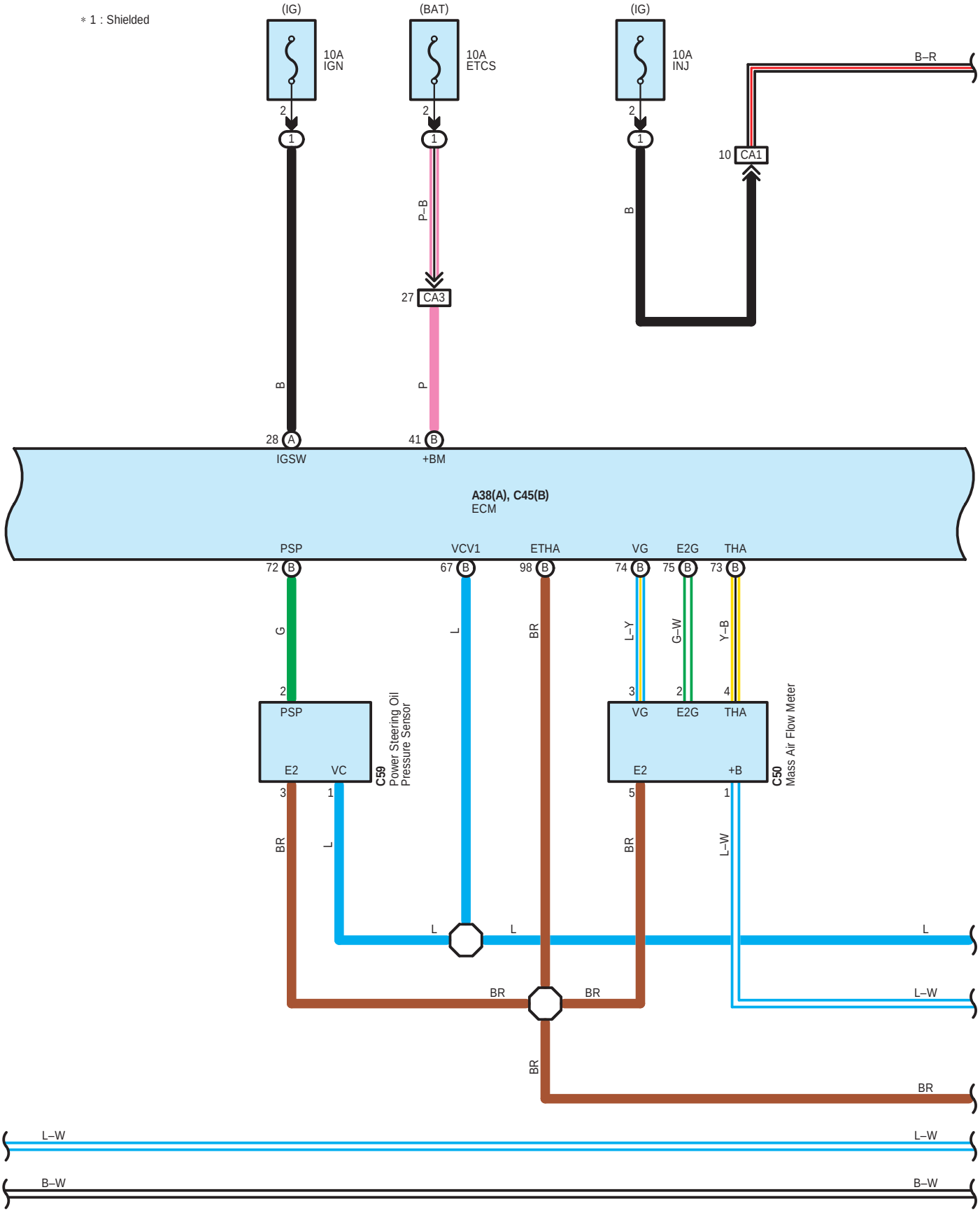
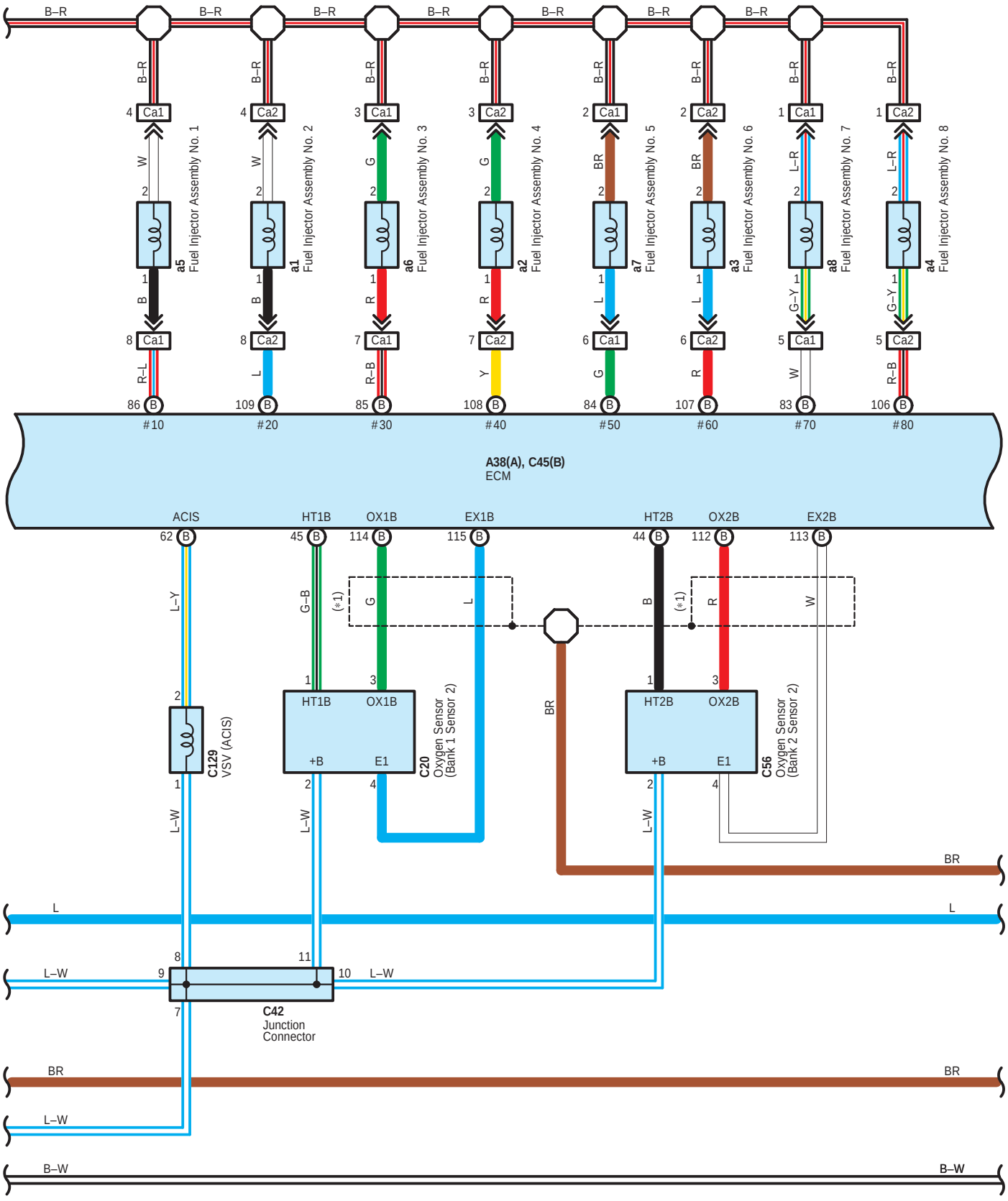
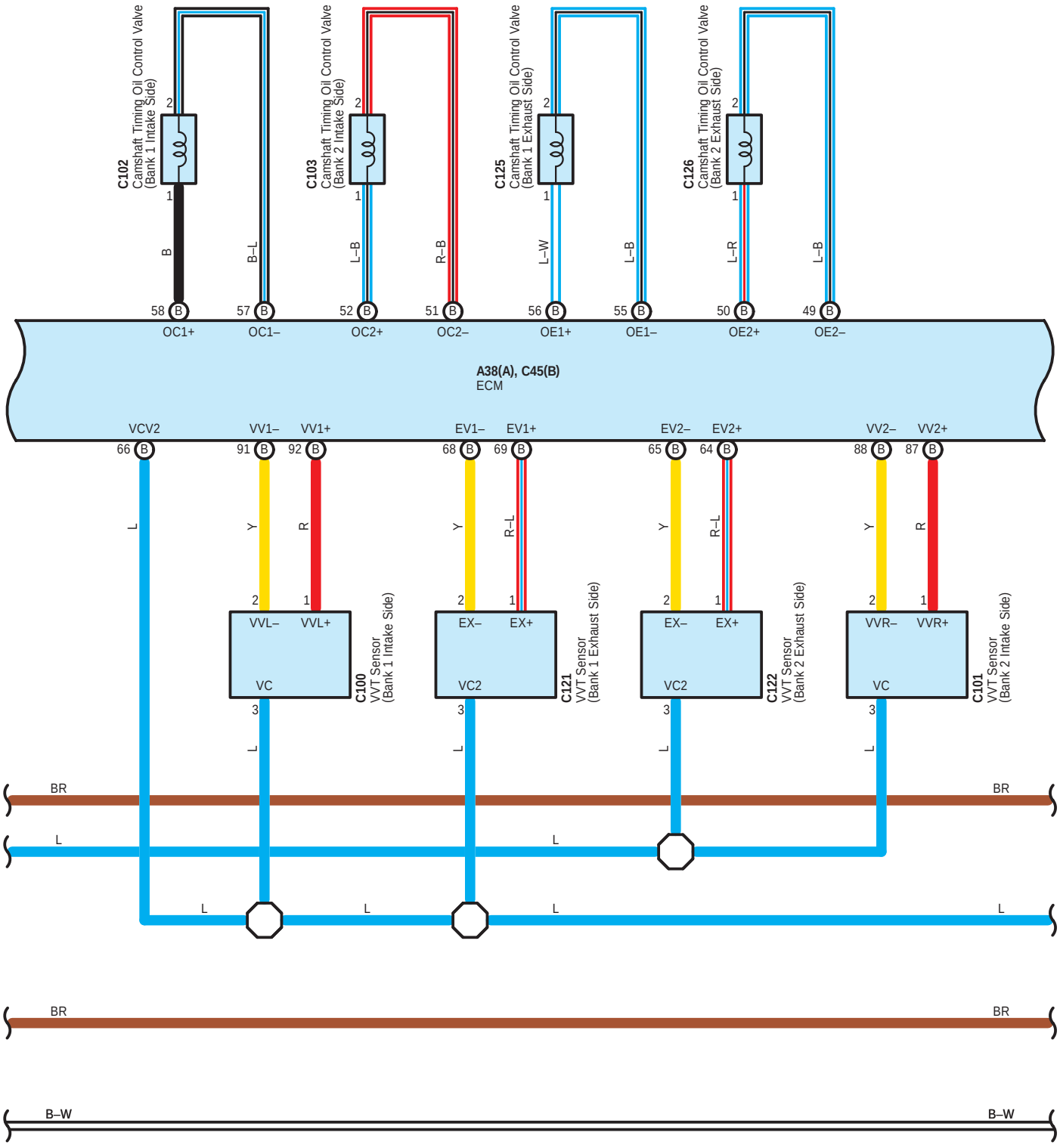

(BAT)
15A
A/F
(BAT)
25A
EFI MAIN
(IG)
10A
IGN
(BAT)
20A
EFI MAIN 2
L
W–R
B
B–Y
B
L
W–R
B
B
B
(*2)
EFI NO. 2
Relay
A/F Relay
EFI Relay
7. 5A
EFI
NO. 2
W–B
B
(*2)
C/OPN Relay
W–B
B
B
W–B
L
B
W–B
L–W
L–R
(*2)
B–Y
(*2)
B
(*3)
CA2
B–W
CA1
L–W
AK2
B
W–B
A34
Junction
Connector
L–R
(*2)
L–W
B
W–B
B–W
A3

∗ 2 : Before Jan. 2012 Production
∗ 3 : From Jan. 2012 Production

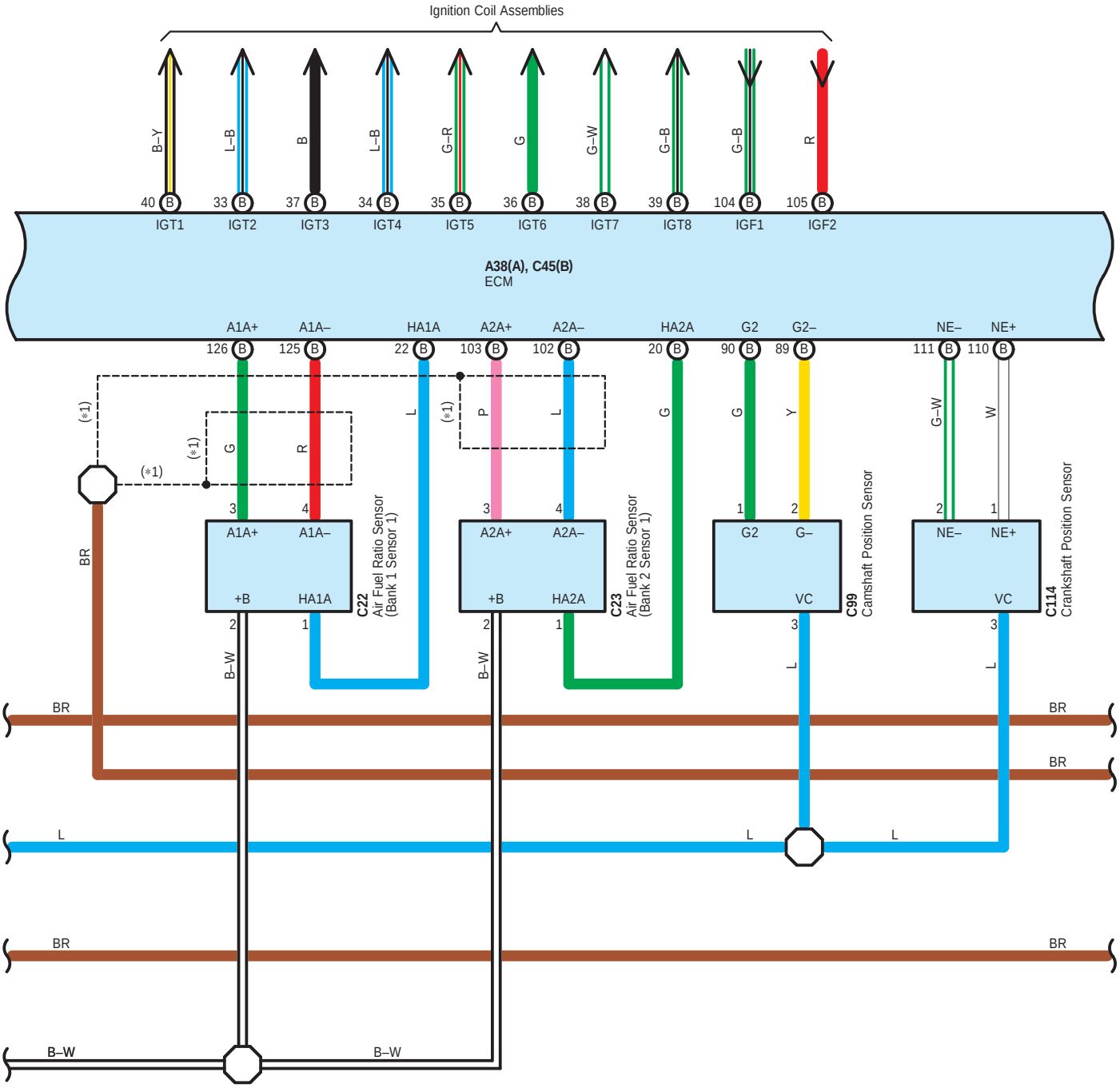


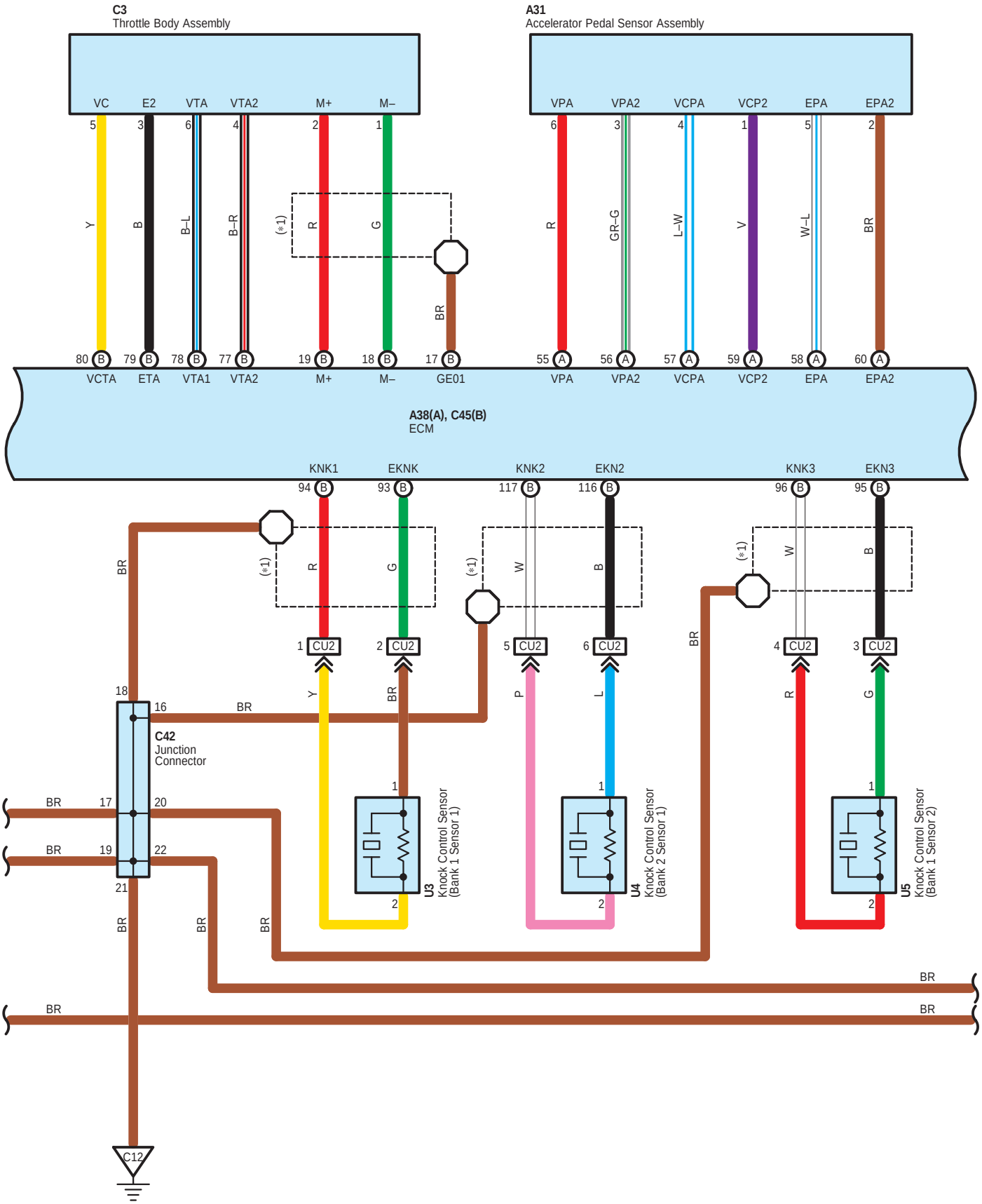

* 1 : Shielded
(IG)
10A
IGN
(BAT)
10A
ETCS
(IG)
10A
INJ
B–R
10
CA1
B
P–B
27
CA3
P
B
28
A
IGSW
41
B
+BM
A38(A), C45(B)
ECM
PSP
VCV1
ETHA
VG
E2G
THA
72
67
98
74
75
73
G
L
BR
L–Y
G–W
Y–B
2
3
2
4
PSP
E2
VC
C59
Power Steering Oil
Pressure Sensor
VG
E2G
THA
E2
+B
C50
Mass Air Flow Meter
3
1
5
1
BR
L
BR
L–W
L
L
L
BR
BR
L–W
BR
L–W
L–W
B–W
B–W

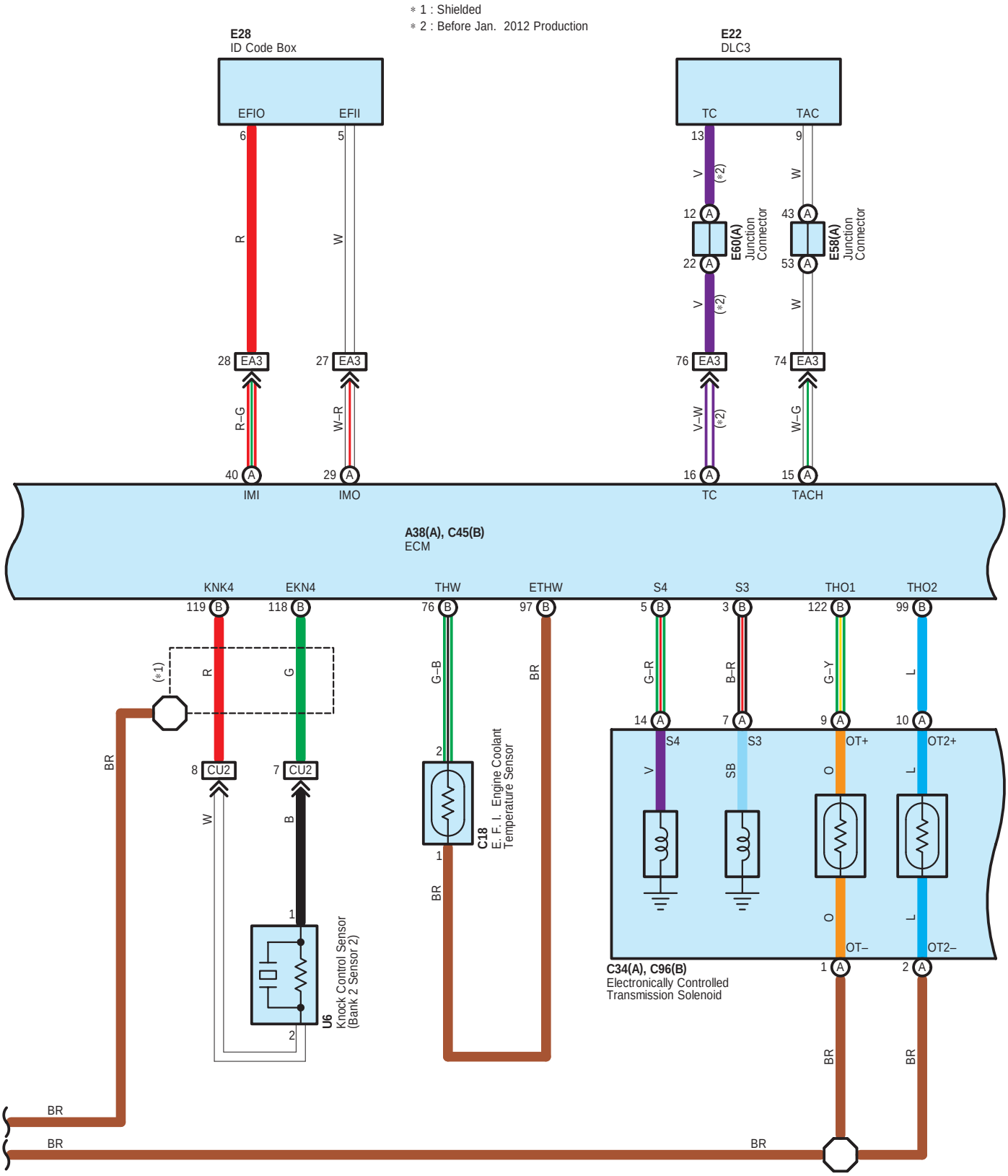

B–R
4 Ca1
4 Ca2
3 Ca1
3 Ca2
2 Ca1
2 Ca2
1 Ca1
1 Ca2
a5 Fuel Injector Assembly No. 1
a1 Fuel Injector Assembly No. 2
a6 Fuel Injector Assembly No. 3
a2 Fuel Injector Assembly No. 4
a7 Fuel Injector Assembly No. 5
a3 Fuel Injector Assembly No. 6
a8 Fuel Injector Assembly No. 7
a4 Fuel Injector Assembly No. 8
W
B
R–L
L
G
R–B
Y
BR
G
L–R
G–Y
R
W
86 B #10
109 B #20
85 B #30
108 B #40
84 B #50
107 B #60
83 B #70
106 B #80
A38(A), C45(B)
ECM
ACIS
HT1B
OX1B
EX1B
HT2B
OX2B
EX2B
62 B
45 B
114 B
115 B
44 B
112 B
113 B
L–Y
G–B
G
L
B
R
W
(*1)
C129
VSV (ACIS)
HT1B
OX1B
+B
E1
C20
Oxygen Sensor
(Bank 1 Sensor 2)
HT2B
OX2B
C56
Oxygen Sensor
(Bank 2 Sensor 2)
L–W
BR
L
8
11
9
10
7
C42
Junction
Connector
B–W

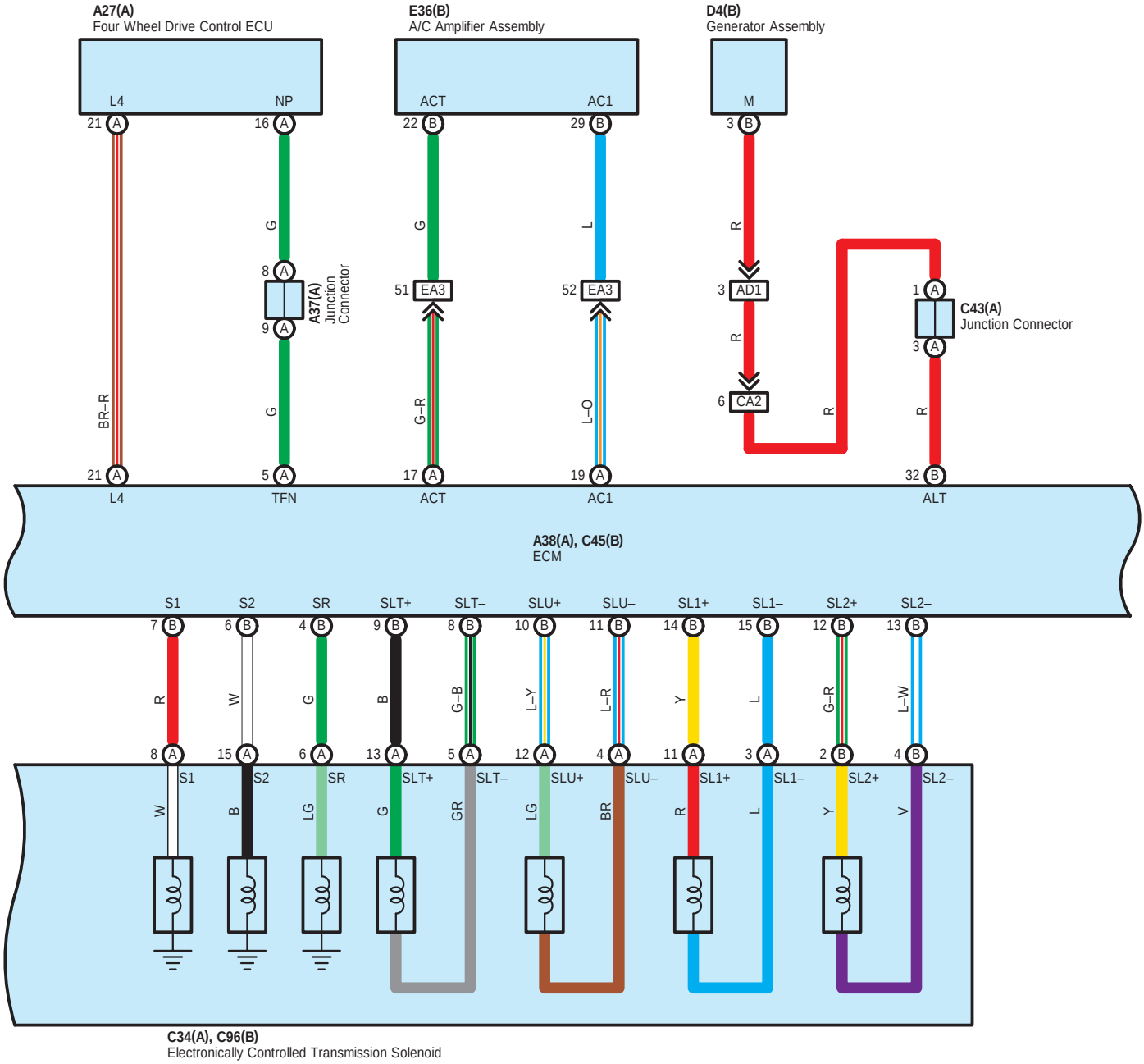

C102
Camshaft Timing Oil Control Valve
(Bank 1 Intake Side)
C103
Camshaft Timing Oil Control Valve
(Bank 2 Intake Side)
C125
Camshaft Timing Oil Control Valve
(Bank 1 Exhaust Side)
C126
Camshaft Timing Oil Control Valve
(Bank 2 Exhaust Side)
B
B–L
L–B
R–B
L–W
L–B
L–R
L–B
58 57 52 51 56 55 50 49
OC1+ OC1– OC2+ OC2– OE1+ OE1– OE2+ OE2–
A38(A), C45(B)
ECM
VCV2 VV1– VV1+ EV1– EV1+ EV2– EV2+ VV2– VV2+
66 91 92 68 69 65 64 88 87
L Y R Y R–L Y R–L Y R
VVL– VVL+ EX– EX+ EX– EX+ VVR– VVR+
VC VC2 VC2 VC
C100 VVT Sensor (Bank 1 Intake Side)
C121 VVT Sensor (Bank 1 Exhaust Side)
C122 VVT Sensor (Bank 2 Exhaust Side)
C101 VVT Sensor (Bank 2 Intake Side)
BR
L
BR
B–W
B–W

∗ 1 : Shielded

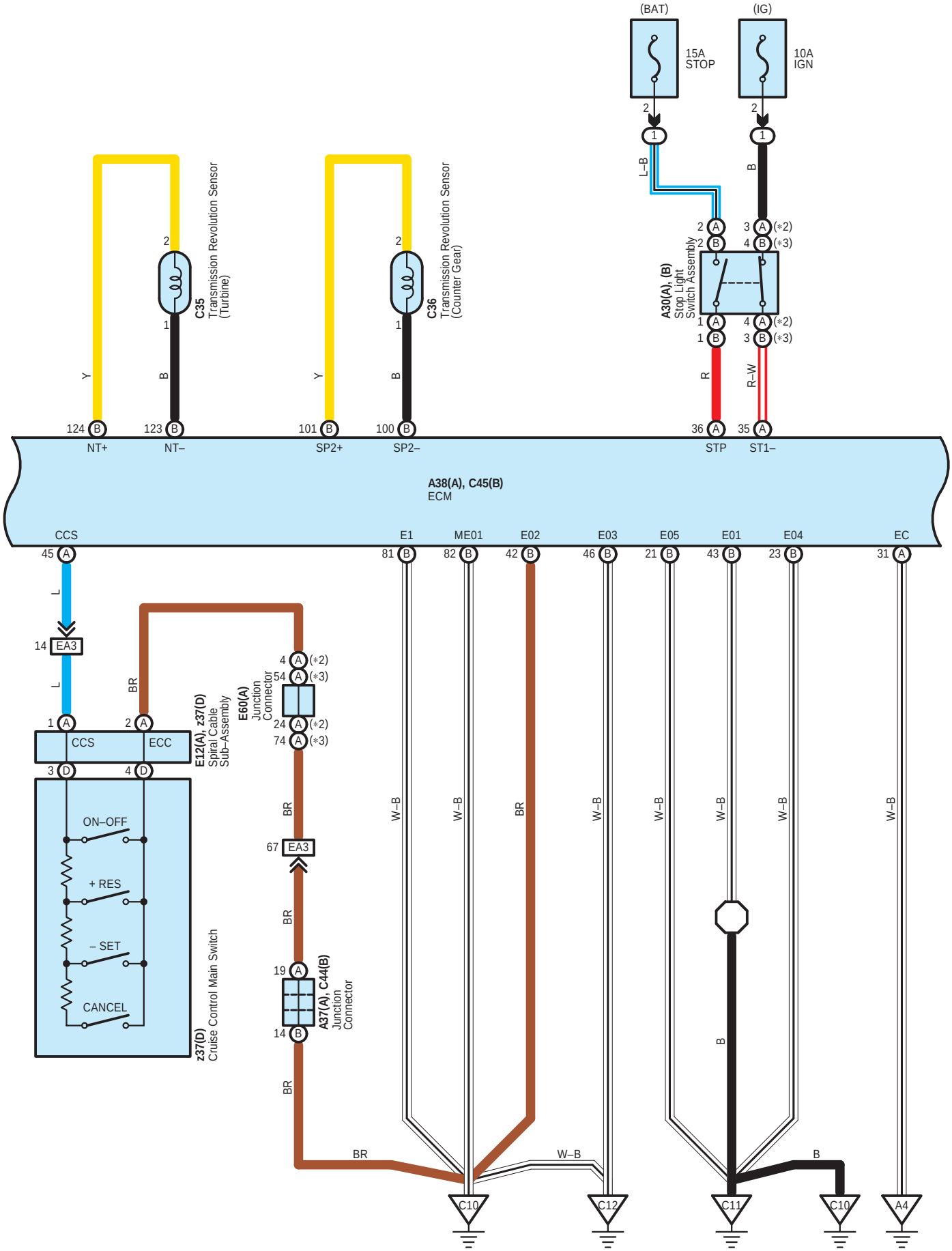

Ignition Coil Assemblies
B–Y
L–B
B
L–B
G–R
G
G–W
G–B
G–B
R
40 B IGT1
33 B IGT2
37 B IGT3
34 B IGT4
35 B IGT5
36 B IGT6
38 B IGT7
39 B IGT8
104 B IGF1
105 B IGF2
A38(A), C45(B)
ECM
A1A+ 126 B
A1A– 125 B
HA1A 22 B
A2A+ 103 B
A2A– 102 B
HA2A 20 B
G2 90 B
G2– 89 B
NE– 111 B
NE+ 110 B
(∗1)
G
R
L
P
L
G
G
Y
G–W
W
3
4
1
2
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)
G2
G–
VC
C99
Camshaft Position Sensor
NE–
NE+
VC
C114
Crankshaft Position Sensor
BR
B–W
L
BR
BR
L
L
L
BR
BR
B–W
B–W

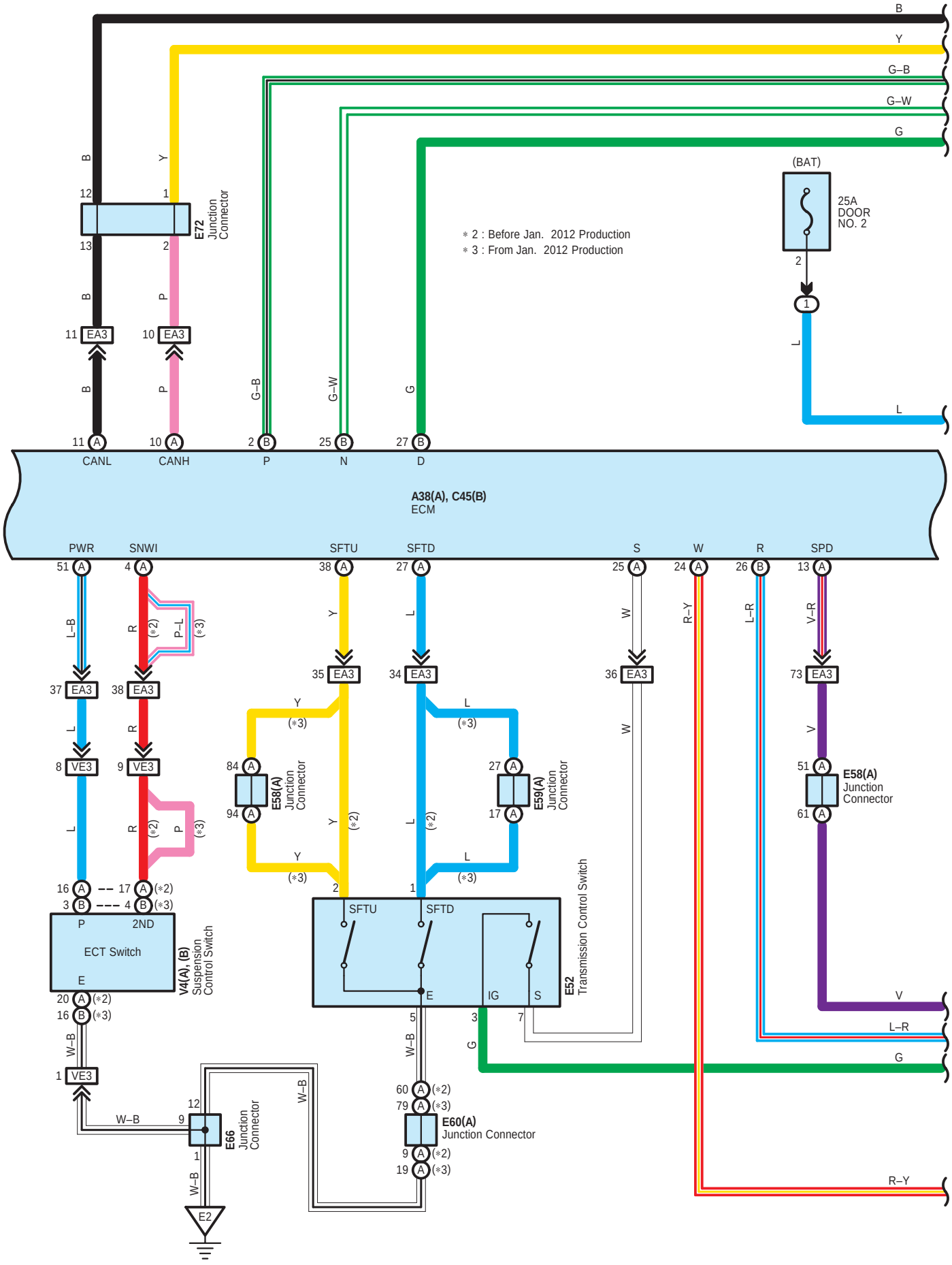

C3
Throttle Body Assembly
VC
E2
VTA
VTA2
M+
M–
A31
Accelerator Pedal Sensor Assembly
VPA
VPA2
VCPA
VCP2
EPA
EPA2
A38(A), C45(B)
ECM
VCTA
ETA
VTA1
KNK1
EKNK
KNK2
EKN2
KNK3
EKN3
(*1)
C42
Junction
Connector
U3
Knock Control Sensor
(Bank 1 Sensor 1)
U4
Knock Control Sensor
(Bank 2 Sensor 1)
U5
Knock Control Sensor
(Bank 1 Sensor 2)
CU2
C12

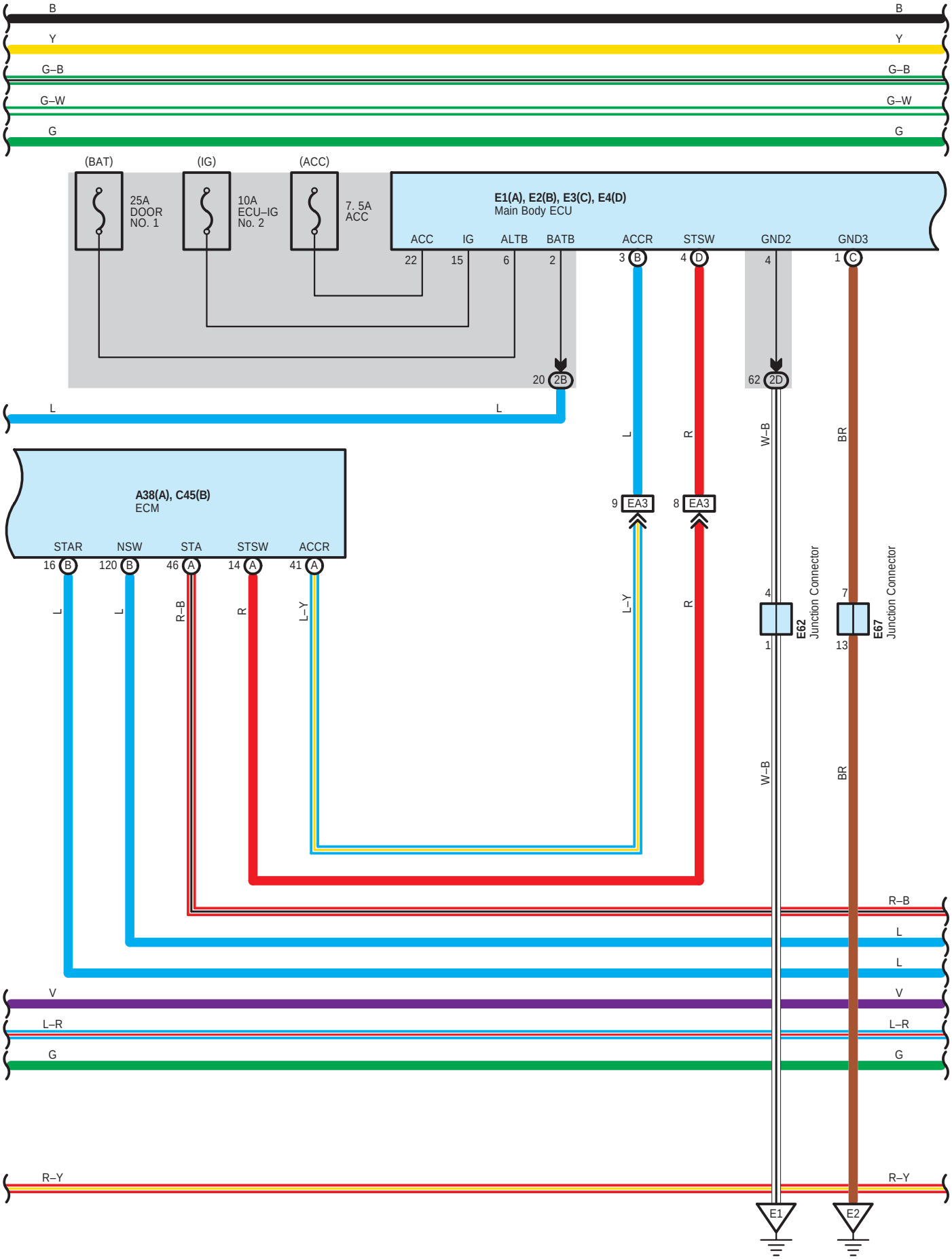

＊1 : Shielded
＊2 : Before Jan. 2012 Production
E28
ID Code Box
EFIO
EFII
E22
DLC3
TC
TAC
E60(A)
Junction Connector
E58(A)
Junction Connector
A38(A), C45(B)
ECM
IMI
IMO
TC
TACH
KNK4
EKN4
THW
ETHW
S4
S3
THO1
THO2
U6
Knock Control Sensor (Bank 2 Sensor 2)
C18
E. F. I. Engine Coolant Temperature Sensor
C34(A), C96(B)
Electronically Controlled Transmission Solenoid
OT+
OT–
OT2+
OT2–

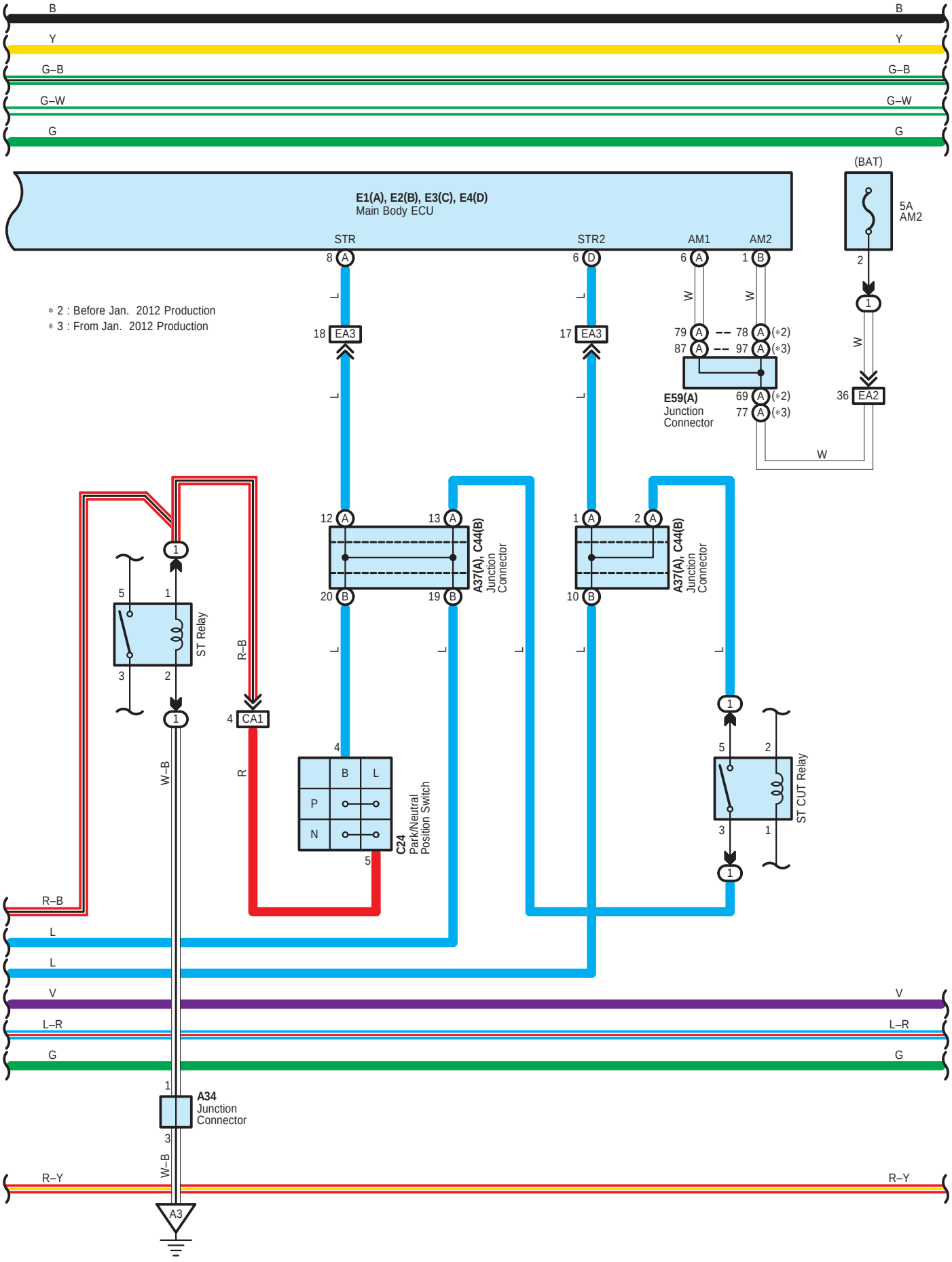


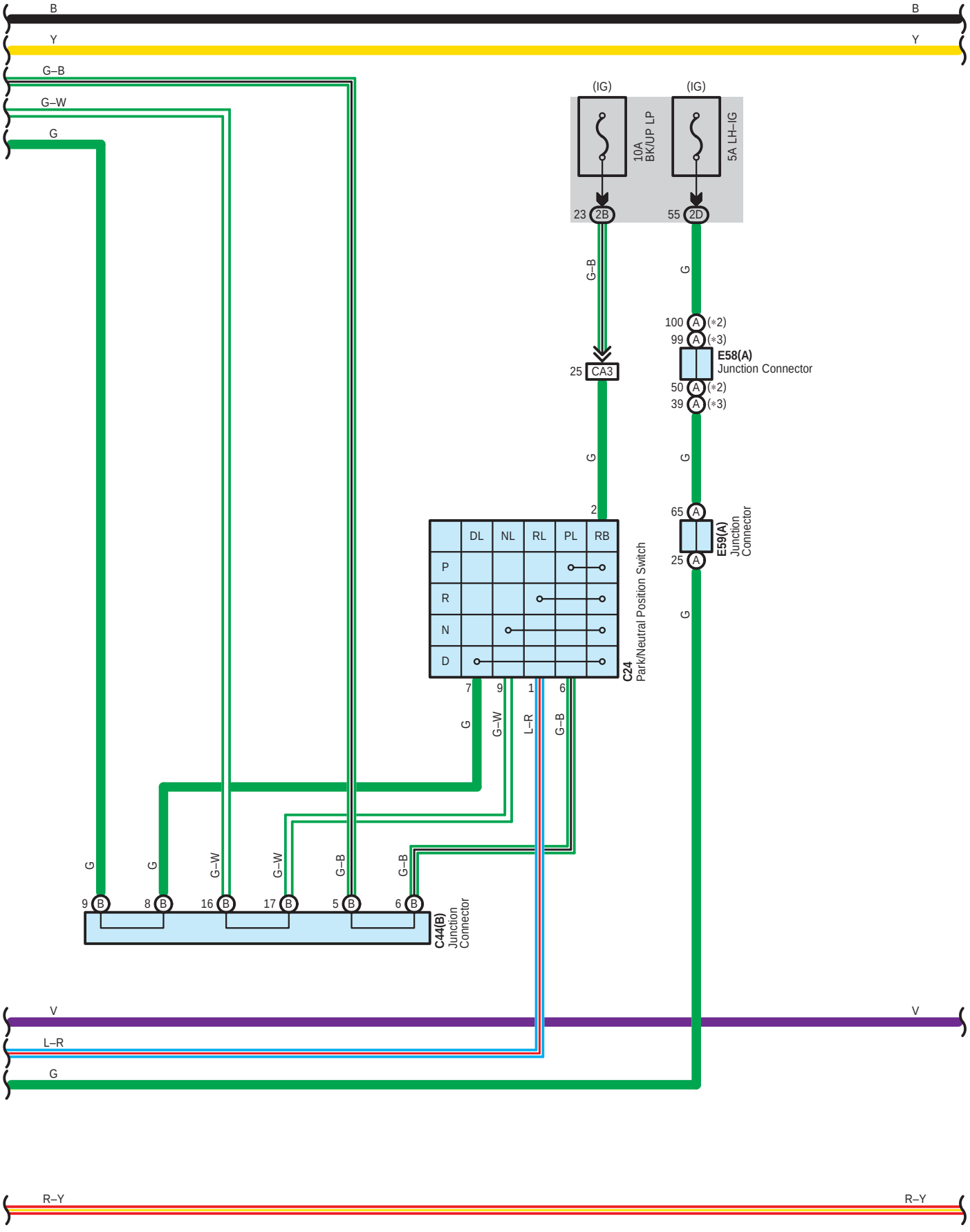
∗ 2 : Before Jan. 2012 Production
∗ 3 : From Jan. 2012 Production

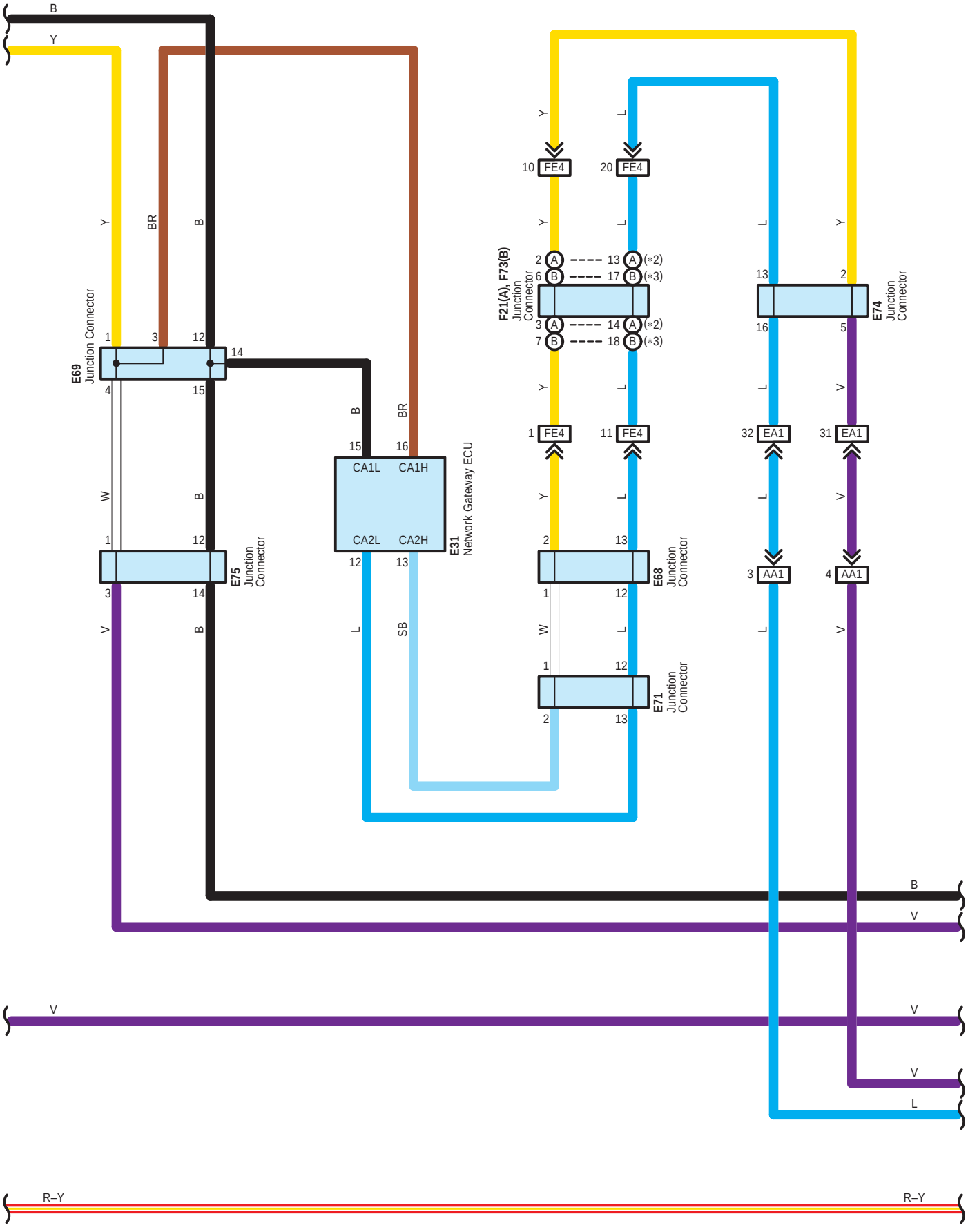

(BAT)
(IG)
15A
STOP
10A
IGN
C35
Transmission Revolution Sensor
(Turbine)
C36
Transmission Revolution Sensor
(Counter Gear)
A30(A), (B)
Stop Light
Switch Assembly
NT+
NT–
SP2+
SP2–
STP
ST1–
A38(A), C45(B)
ECM
CCS
E1
ME01
E02
E03
E05
E01
E04
EC
E12(A), z37(D)
Spiral Cable
Sub-Assembly
E60(A)
Junction
Connector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

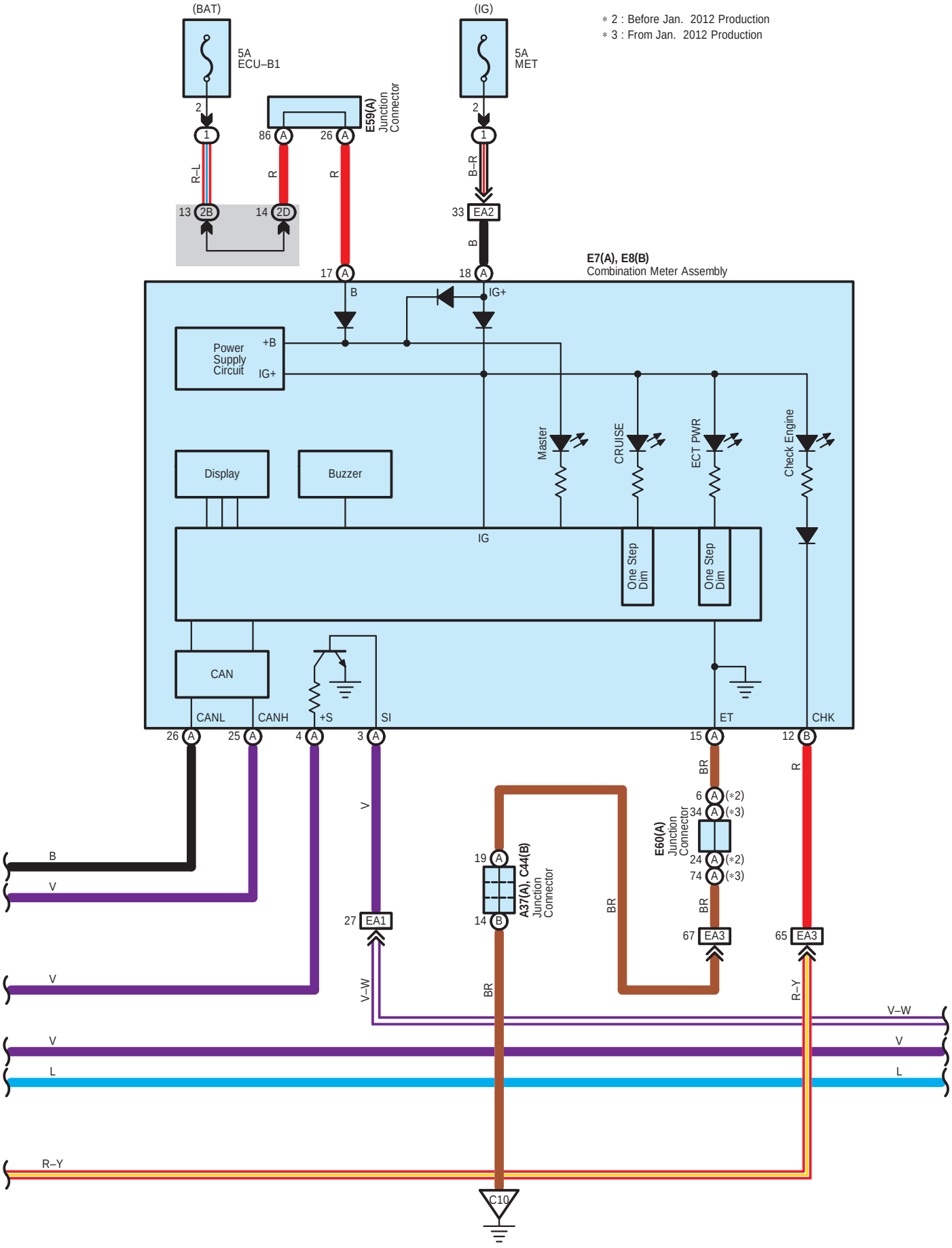

B
Y
G–B
G–W
G
(BAT)
25A
DOOR
NO. 2
2
1
L
L
∗ 2 : Before Jan. 2012 Production
∗ 3 : From Jan. 2012 Production
E72
Junction
Connector
12
1
13
2
B
Y
B
P
11 EA3
10 EA3
B
P
11 A
CANL
10 A
CANH
2 B
P
25 B
N
27 B
D
G–B
G–W
G
A38(A), C45(B)
ECM
PWR
SNWI
SFTU
SFTD
S
W
R
SPD
51 A
4 A
38 A
27 A
25 A
24 A
26 B
13 A
L–B
R
P–L
Y
L
W
R–Y
L–R
V–R
(∗2)
(∗3)
37 EA3
38 EA3
35 EA3
34 EA3
36 EA3
73 EA3
L
R
Y
L
W
V
8 VE3
9 VE3
(∗3)
(∗3)
84 A
94 A
E58(A)
Junction
Connector
27 A
17 A
E59(A)
Junction
Connector
51 A
61 A
E58(A)
Junction
Connector
L
R
P
Y
L
Y
L
(∗2)
(∗2)
(∗3)
(∗3)
(∗3)
(∗3)
16 A
3 B
17 A (∗2)
4 B (∗3)
P
2ND
ECT Switch
E
V4(A), (B)
Suspension
Control Switch
2
1
SFTU
SFTD
E
IG
S
E52
Transmission Control Switch
20 A (∗2)
16 B (∗3)
5
3
7
V
L–R
G
G
W–B
W–B
1 VE3
W–B
12
9
E66
Junction
Connector
1
W–B
E2
60 A (∗2)
79 A (∗3)
E60(A)
Junction Connector
9 A (∗2)
19 A (∗3)
R–Y

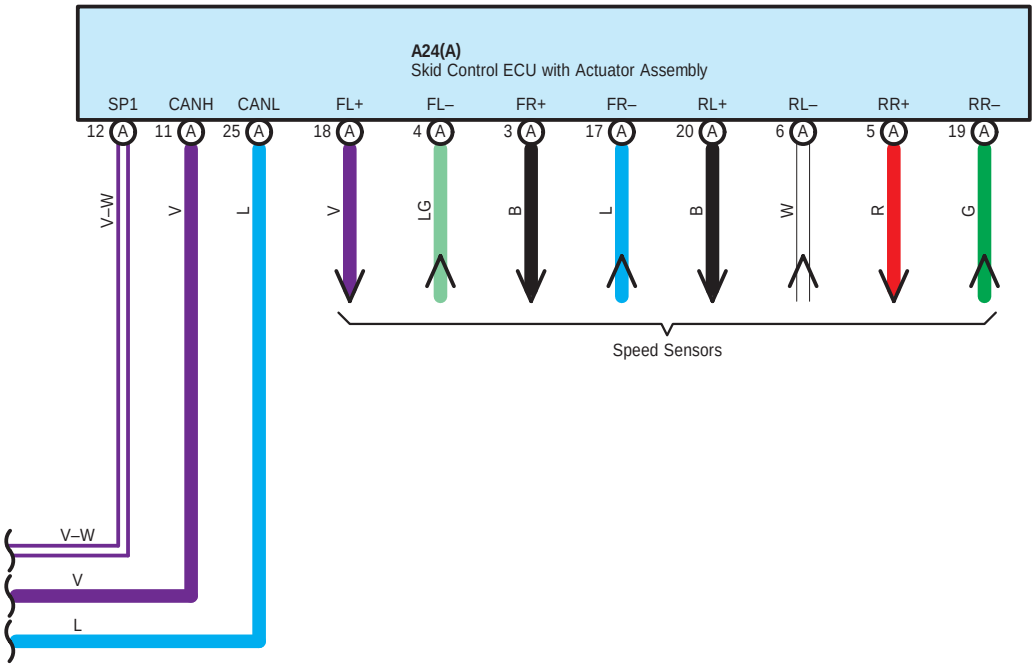

B
Y
G–B
G–W
G
(BAT)
(IG)
(ACC)
25A
DOOR
NO. 1
10A
ECU–IG
No. 2
7. 5A
ACC
E1(A), E2(B), E3(C), E4(D)
Main Body ECU
ACC
IG
ALTB
BATB
ACCR
STSW
GND2
GND3
22
15
6
2
3 B
4 D
4
1 C
20 2B
62 2D
L
L
A38(A), C45(B)
ECM
STAR
NSW
STA
STSW
ACCR
16 B
120 B
46 A
14 A
41 A
L
L
R–B
R
L–Y
9 EA3
8 EA3
L–Y
R
W–B
BR
4
1
E62
Junction Connector
7
13
E67
Junction Connector
W–B
BR
R–B
L
L
V
L–R
G
V
L–R
G
R–Y
R–Y
E1
E2


B
Y
G–B
G–W
G
E1(A), E2(B), E3(C), E4(D)
Main Body ECU
STR
STR2
AM1
AM2
(BAT)
5A
AM2
∗ 2 : Before Jan. 2012 Production
∗ 3 : From Jan. 2012 Production
EA3
EA2
E59(A)
Junction
Connector
A37(A), C44(B)
Junction
Connector
ST Relay
ST CUT Relay
C24
Park/Neutral
Position Switch
CA1
A34
Junction
Connector
A3
R–B
L
V
L–R
R–Y
W–B
W

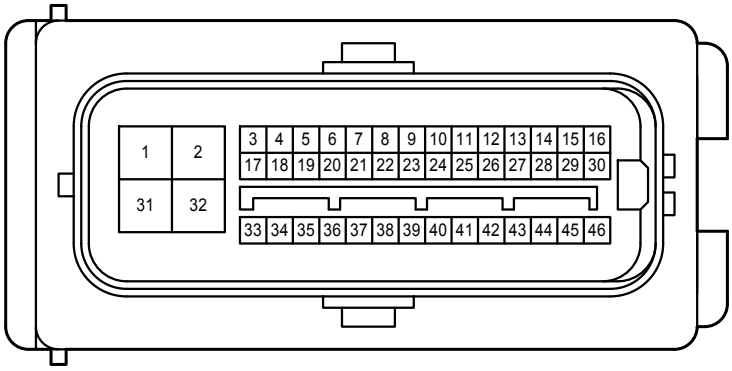

B
Y
G–B
G–W
G
(IG)
(IG)
10A
BK/UP LP
5A LH–IG
23 2B
55 2D
G–B
G
100 A (*2)
99 A (*3)
E58(A)
Junction Connector
50 A (*2)
39 A (*3)
25 CA3
G
G
2
65 A
E59(A)
Junction
Connector
25 A
G
DL
NL
RL
PL
RB
P
R
N
D
C24
Park/Neutral Position Switch
7
9
1
6
G
G–W
L–R
G–B
G
G
G–W
G–W
G–B
G–B
9 B
8 B
16 B
17 B
5 B
6 B
C44(B)
Junction
Connector
V
L–R
G
R–Y


B
Y
E69 Junction Connector
E75 Junction Connector
E31 Network Gateway ECU
CA1L
CA1H
CA2L
CA2H
F21(A), F73(B) Junction Connector
E68 Junction Connector
E71 Junction Connector
E74 Junction Connector
FE4
EA1
AA1
(*2)
(*3)
R–Y

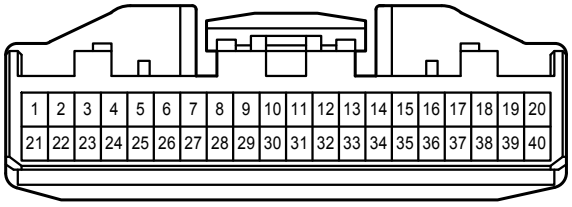

(BAT)
5A
ECU–B1
(IG)
5A
MET
* 2 : Before Jan. 2012 Production
* 3 : From Jan. 2012 Production
E59(A)
Junction
Connector
E7(A), E8(B)
Combination Meter Assembly
Power
Supply
Circuit
+B
IG+
Display
Buzzer
Master
CRUISE
ECT PWR
Check Engine
One Step
Dim
IG
CAN
CANL
CANH
+S
SI
ET
CHK
R–L
R
B–R
B
B
V
V–W
BR
R
R–Y
L
E60(A)
Junction
Connector
A37(A), C44(B)
Junction
Connector
EA1
EA2
EA3
2B
2D
C10


A24(A)
Skid Control ECU with Actuator Assembly
SP1
CANH
CANL
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
12 A
11 A
25 A
18 A
4 A
3 A
17 A
20 A
6 A
5 A
19 A
V–W
V
L
V
LG
B
L
B
W
R
G
Speed Sensors
V–W
V
L

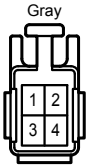
A 24
Black



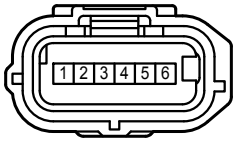
A 27
Black



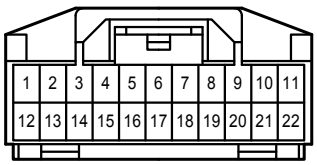
A 30
Gray



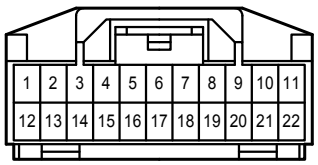
A 31
Black



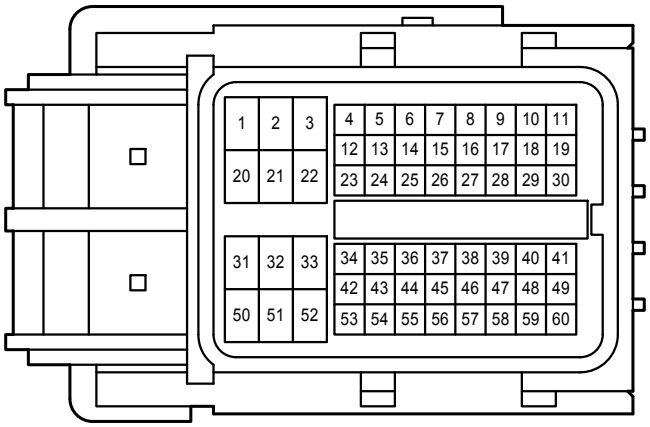
A 34
White



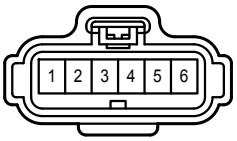
A 37
Blue



A 38
Black



C 3
Black



C 18
Dark Gray



C 20
Dark Gray



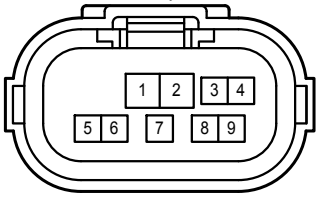
C 22
Dark Gray



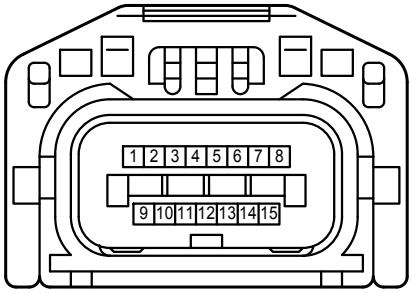
C 23
Dark Gray



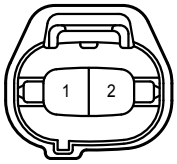
C 24
Gray



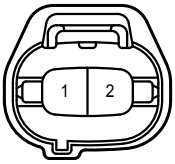
C 34
Gray



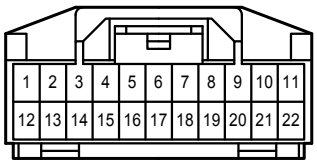
C 35
Black



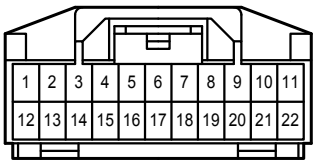
C 36
Black



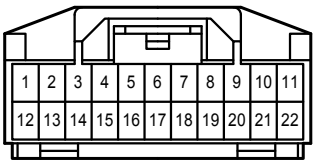
C 42
White



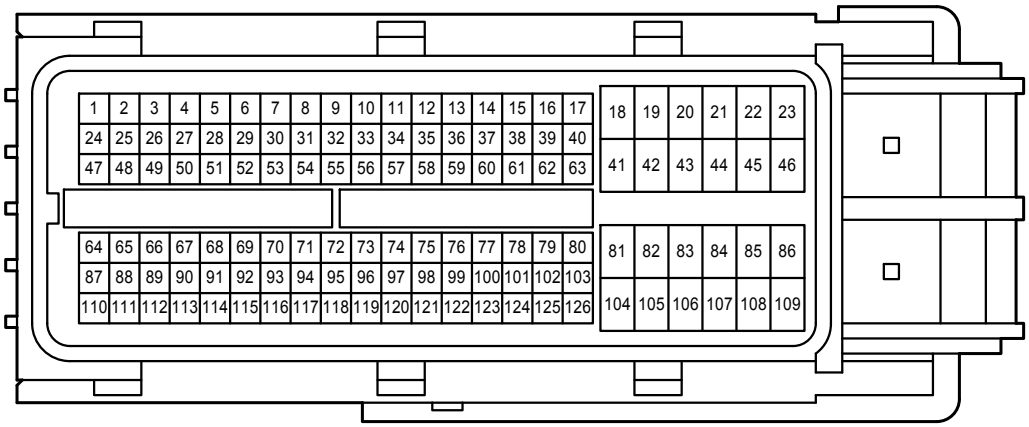
C 43
White



C 44
Blue



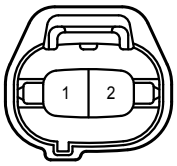
C 45
Black



C 50
Black



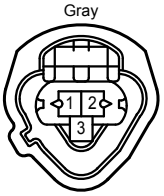
C 55
Black



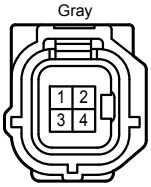
C 56
Dark Gray



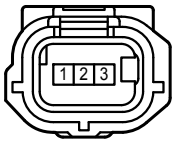
C 59
Gray



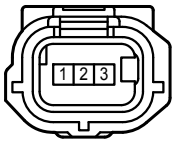
C 96
Gray



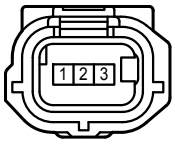
C 99
Black



C100
Black



C101
Black



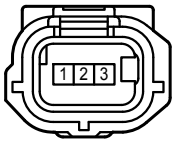
C102
Black



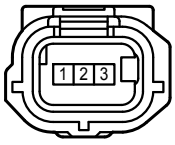
C103
Black



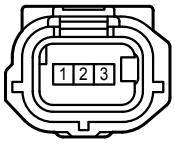
C114
Black



C121
Black



C122
Black



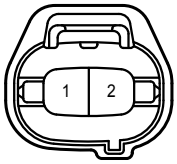
C125
Black



C126
Black



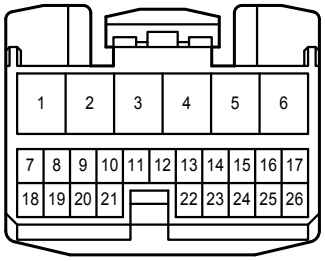
C129
Black



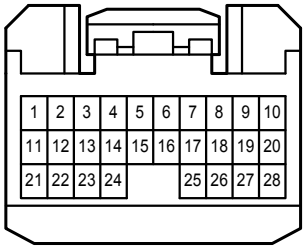
D 4
Black



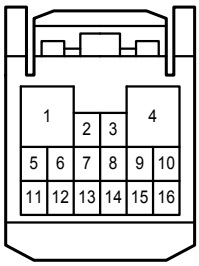
E 1
White



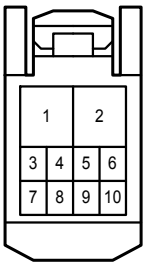
E 2
White



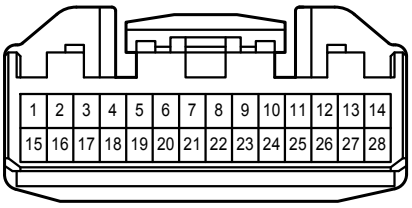
E 3
White



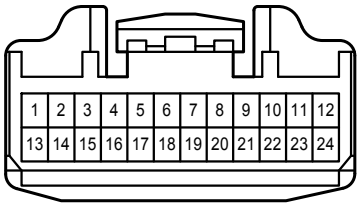
E 4
White



E 7
White



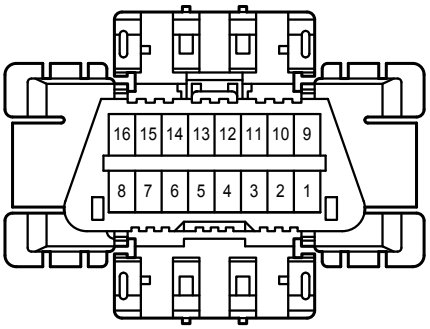
E 8
Black



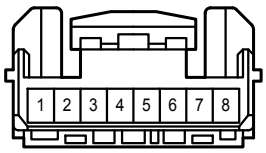
E 12
Black



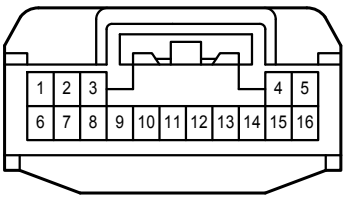
E 22
White



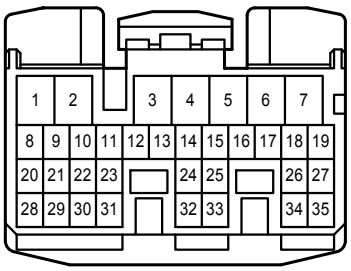
E 28
White



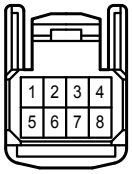
E 31
White



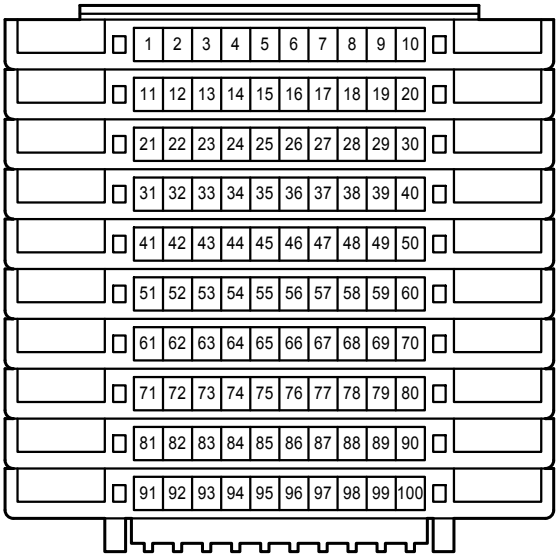
E 36
White



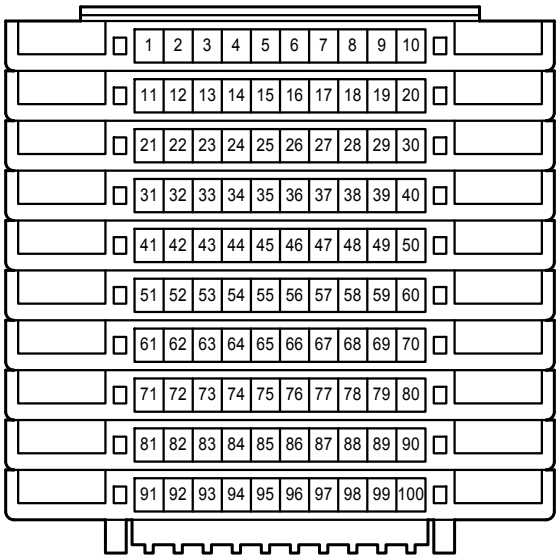
E 52
White



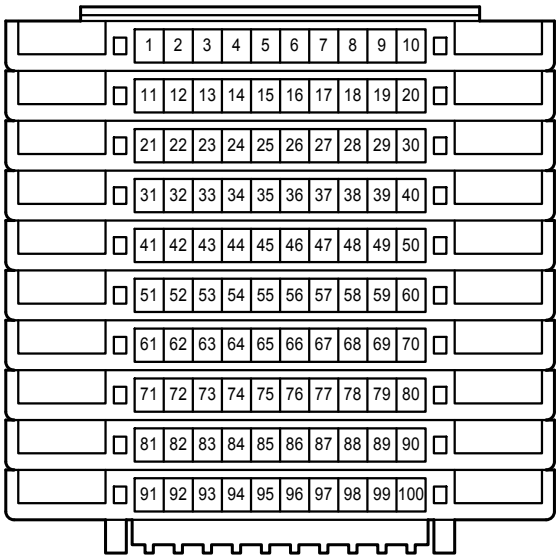
E 58



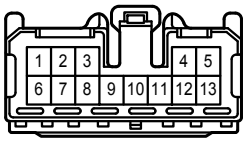
E 59



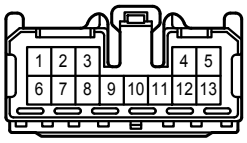
E 60



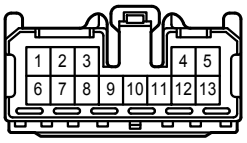
E 62
White



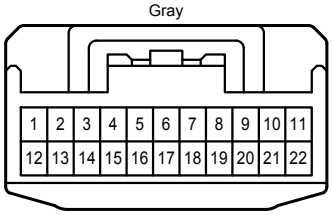
E 66
White



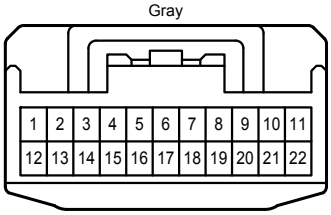
E 67
White



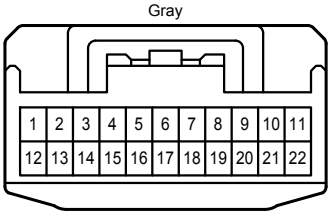
E 68
Gray



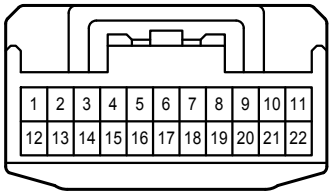
E 69
Gray



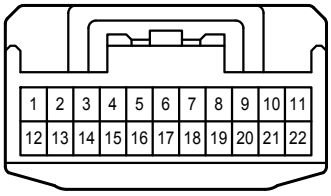
E 71
Gray



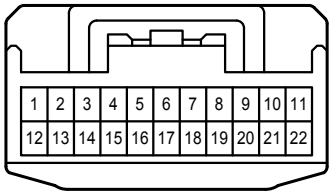
E 72
Gray



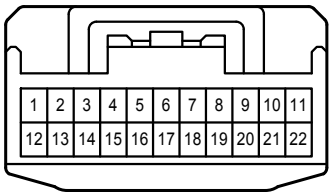
E 74
Gray



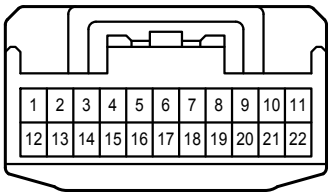
E 75
Gray



F 21
Black



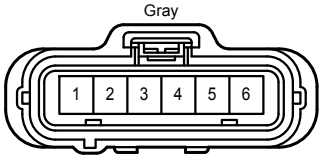
F 73
Blue



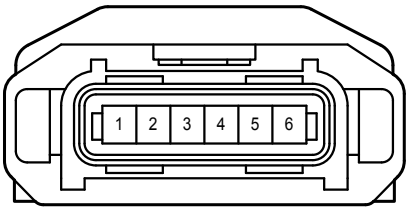
N 1
White



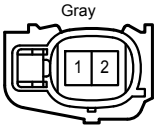
N 13
Gray



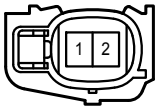
N 14
Black



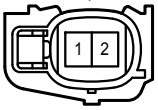
U 3
Gray



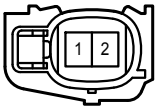
U 4
Black



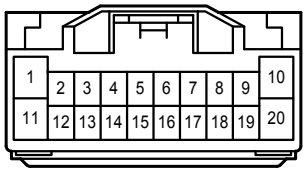
U 5
Gray



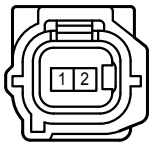
U 6
Black



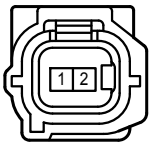
V 4
White



a 1
Black



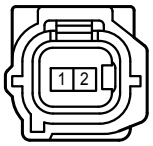
a 2
Black



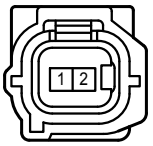
a 3
Black



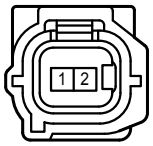
a 4
Black



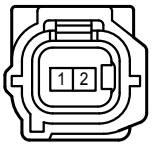
a 5
Black



a 6
Black



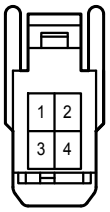
a 7
Black



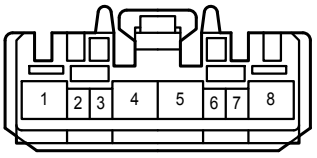
a 8
Black



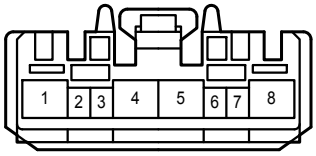
z 37
White



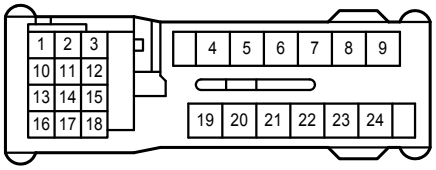
1A
White



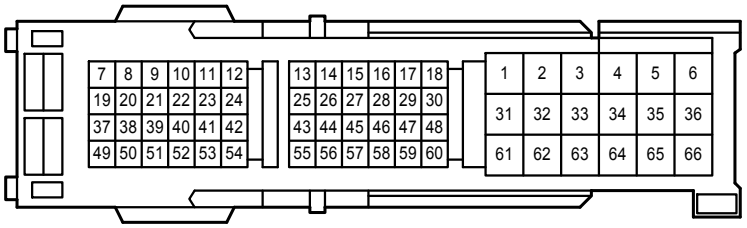
1B
White



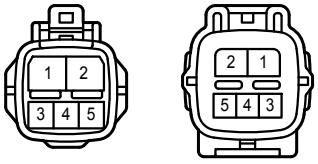
2B
White



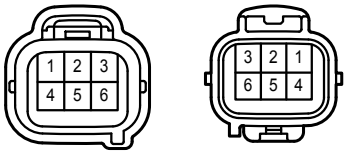
2D
White



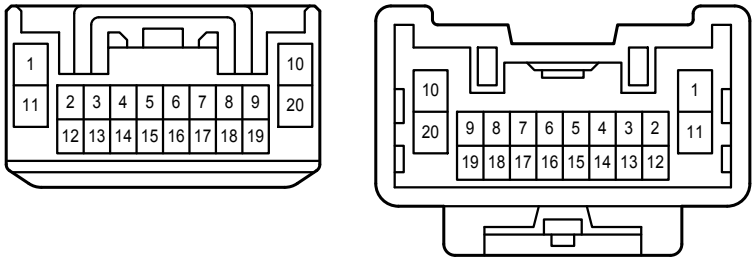
AA1
Gray



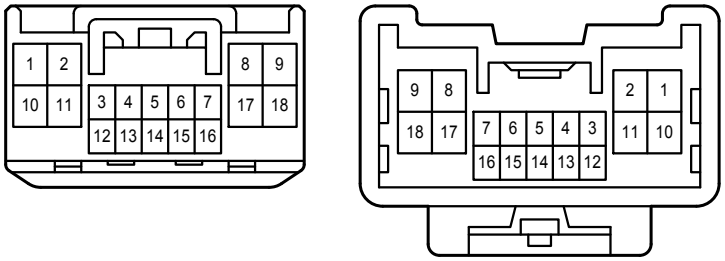
AD1
Black



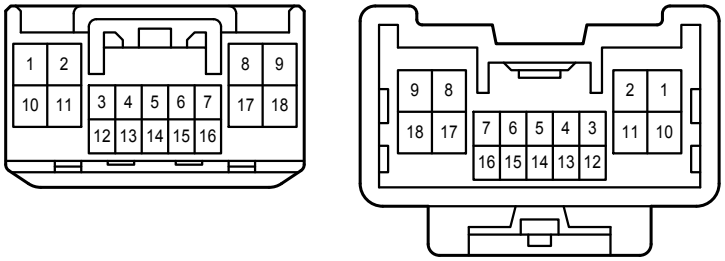
AK1
Blue

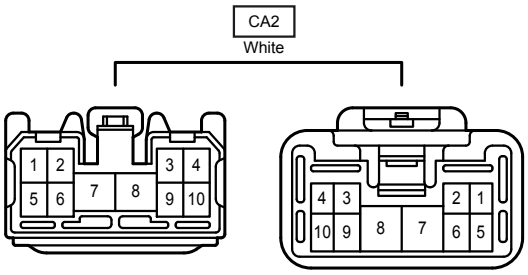


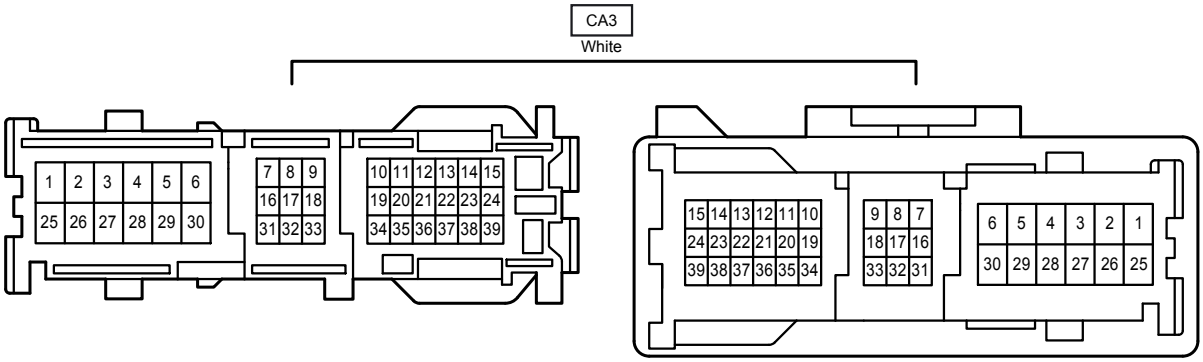
AK2
Gray

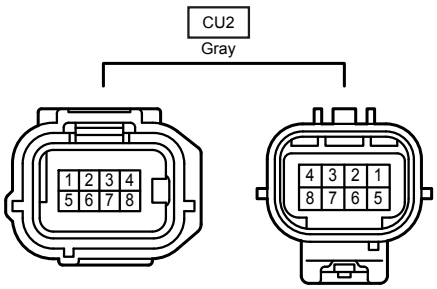


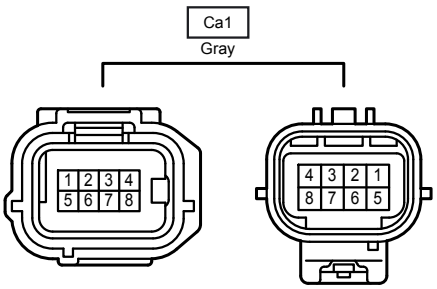
CA1
White

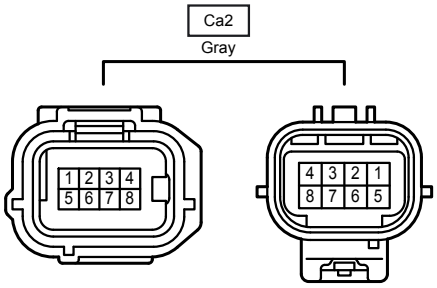



CA2
White
1 2 3 4
5 6 7 8 9 10
4 3 2 1
10 9 8 7 6 5


CA3
White
1 2 3 4 5 6
25 26 27 28 29 30
7 8 9
16 17 18
31 32 33
10 11 12 13 14 15
19 20 21 22 23 24
34 35 36 37 38 39
15 14 13 12 11 10
24 23 22 21 20 19
39 38 37 36 35 34
9 8 7
18 17 16
33 32 31
6 5 4 3 2 1
30 29 28 27 26 25

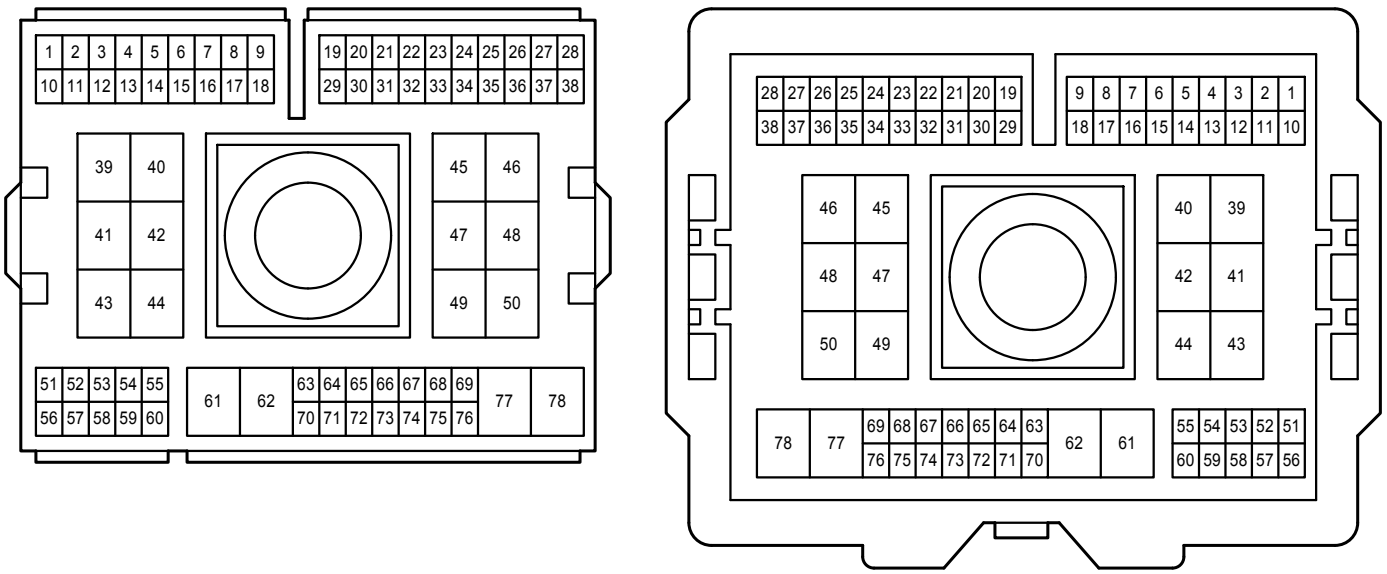

CU2
Gray
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5


Ca1
Gray
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5


Ca2
Gray
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5

EA1

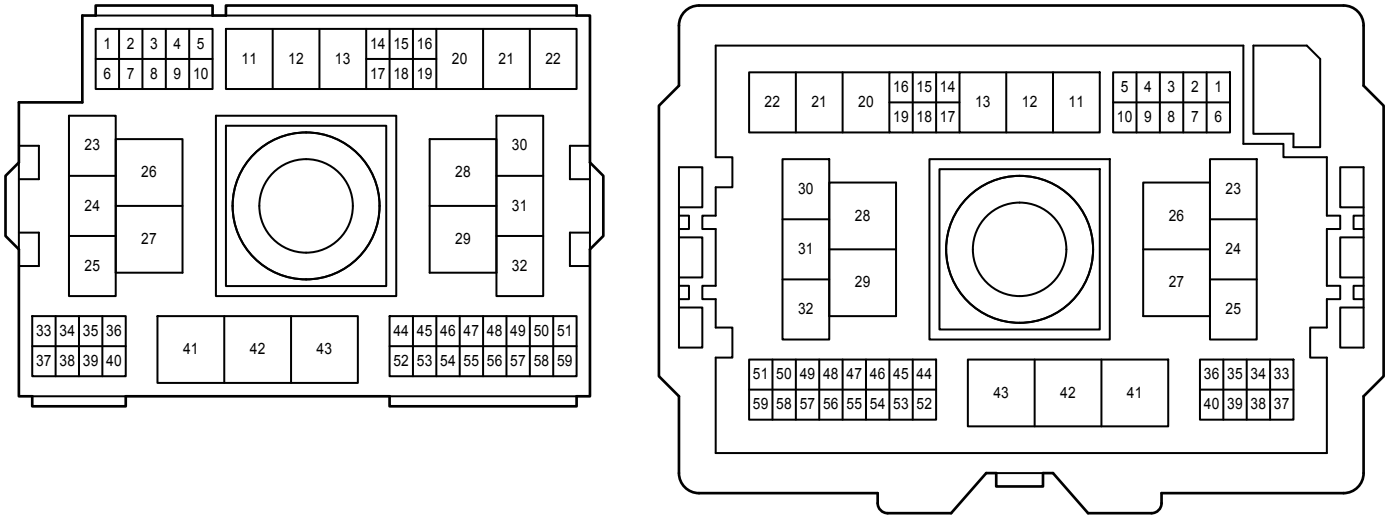
White

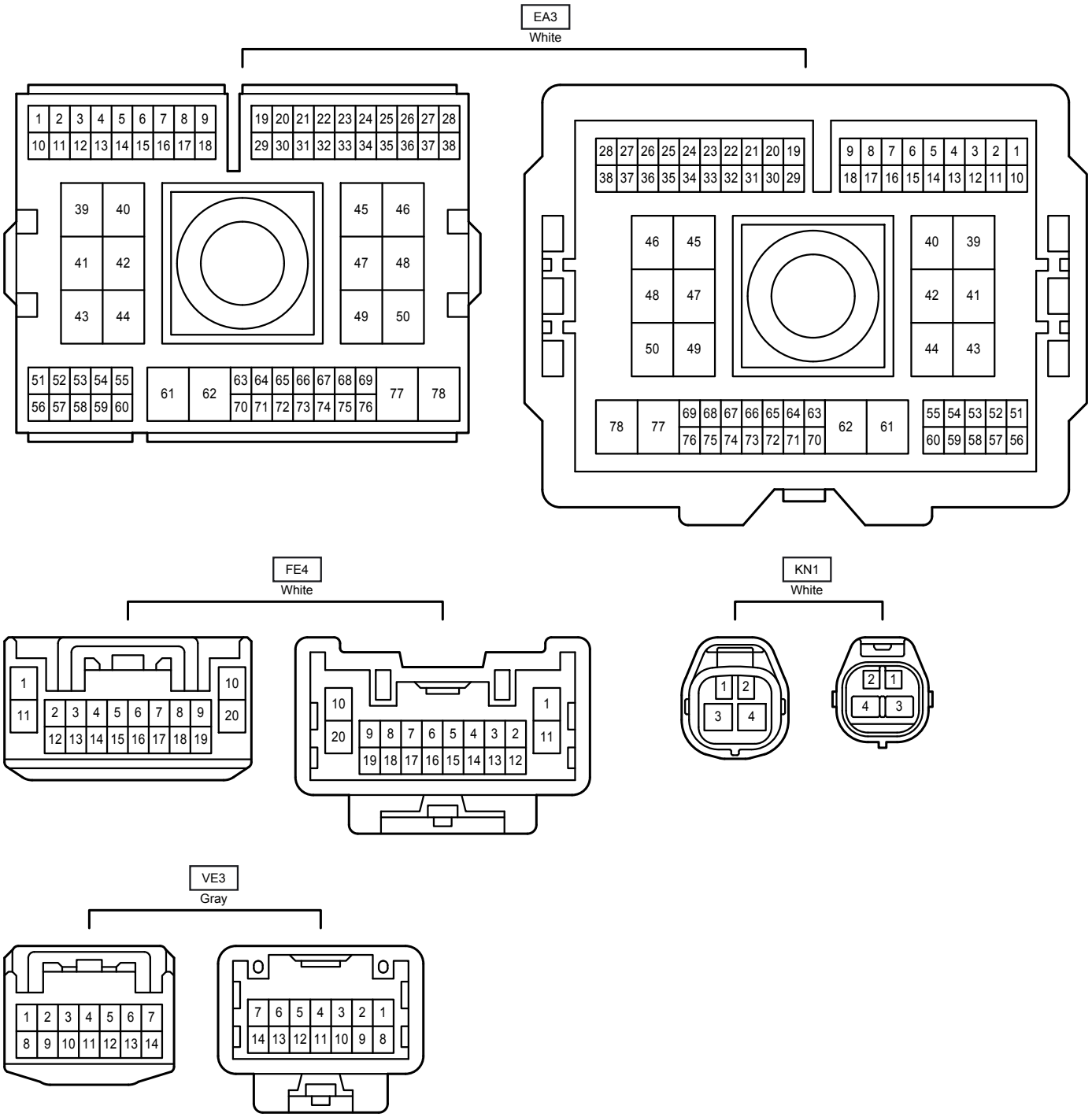


EA2

White

Gray




EA3
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
FE4
White
1 10
11 20
2 3 4 5 6 7 8 9
12 13 14 15 16 17 18 19
10 1
20 11
9 8 7 6 5 4 3 2
19 18 17 16 15 14 13 12
KN1
White
1 2
3 4
2 1
4 3
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