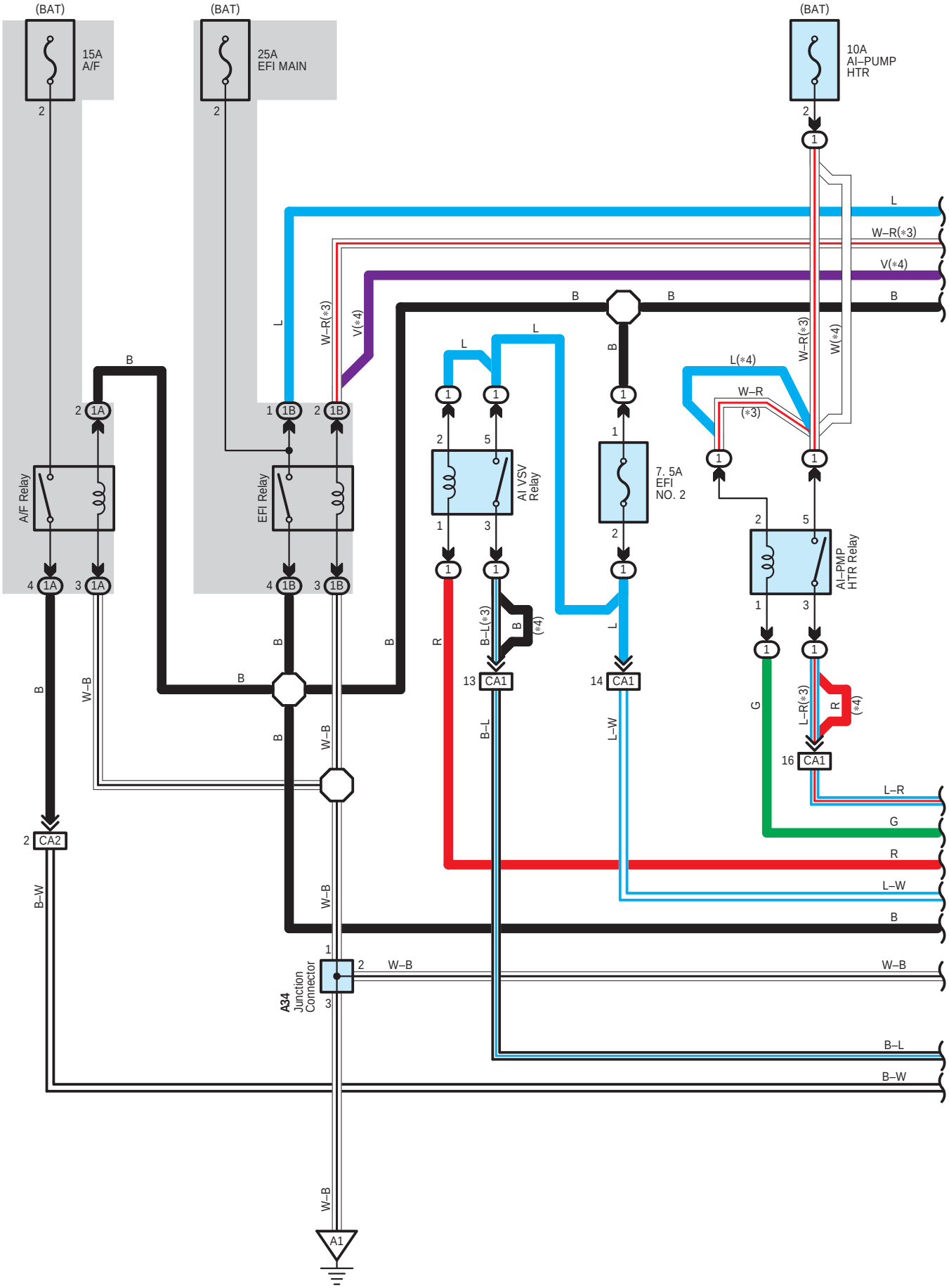
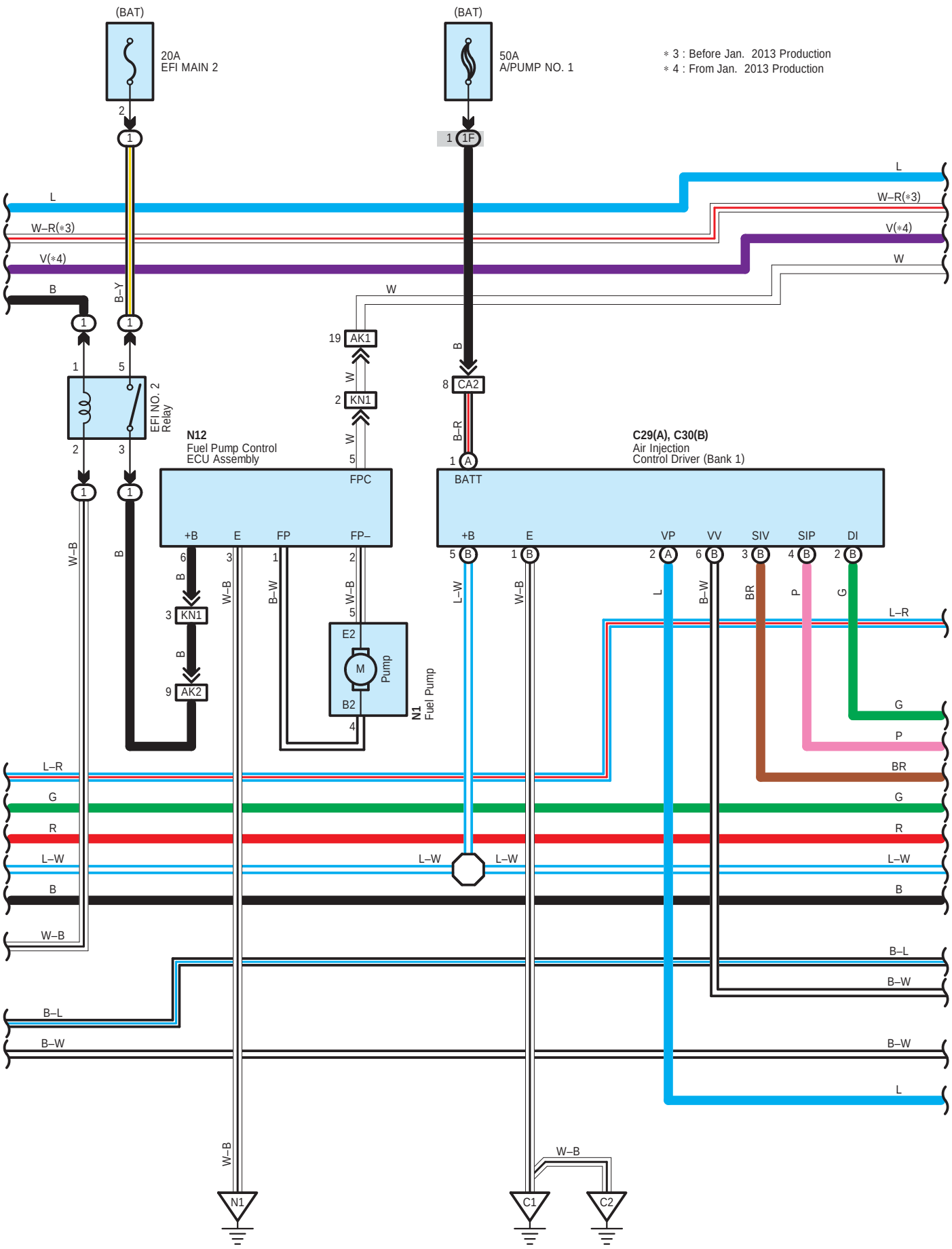
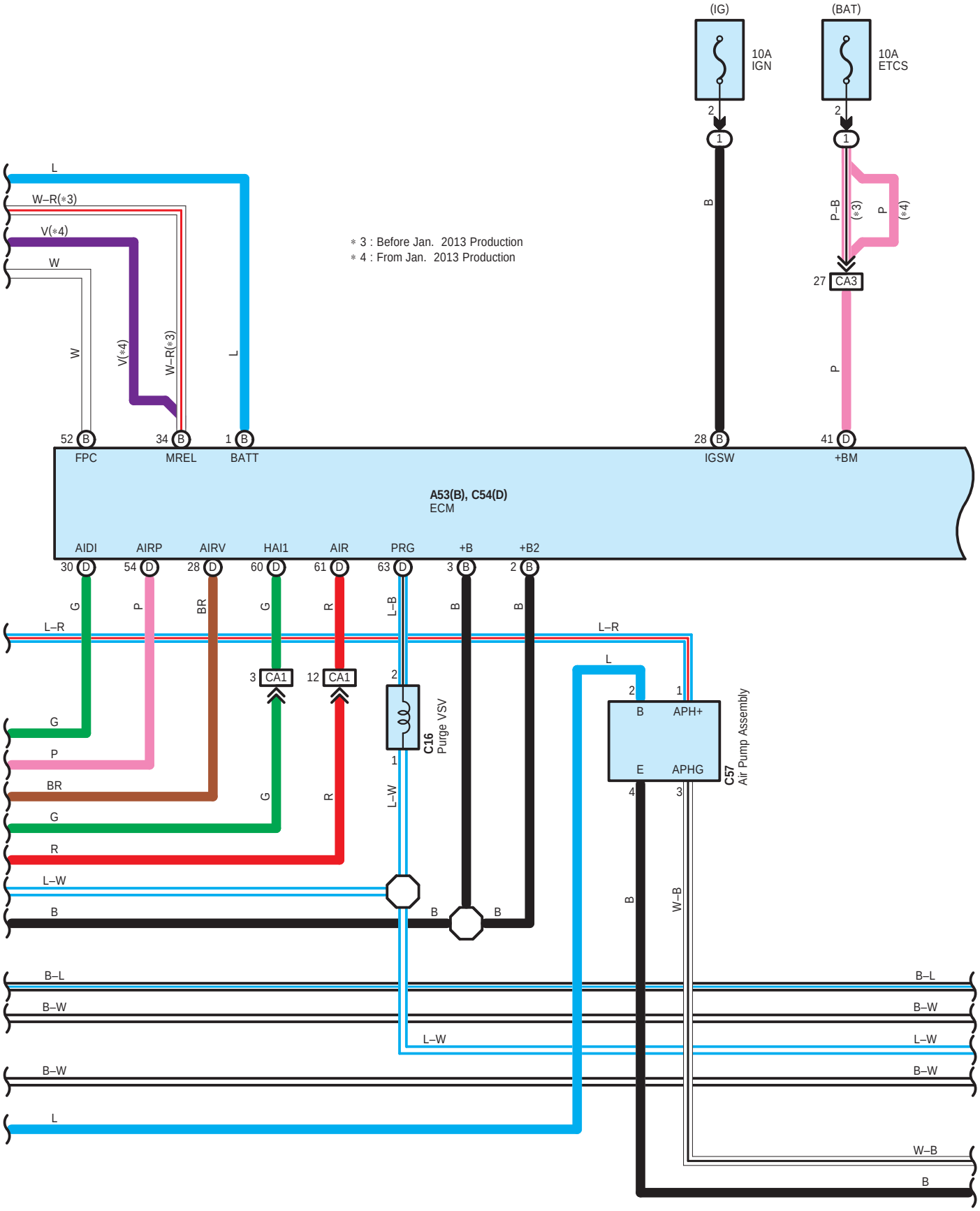
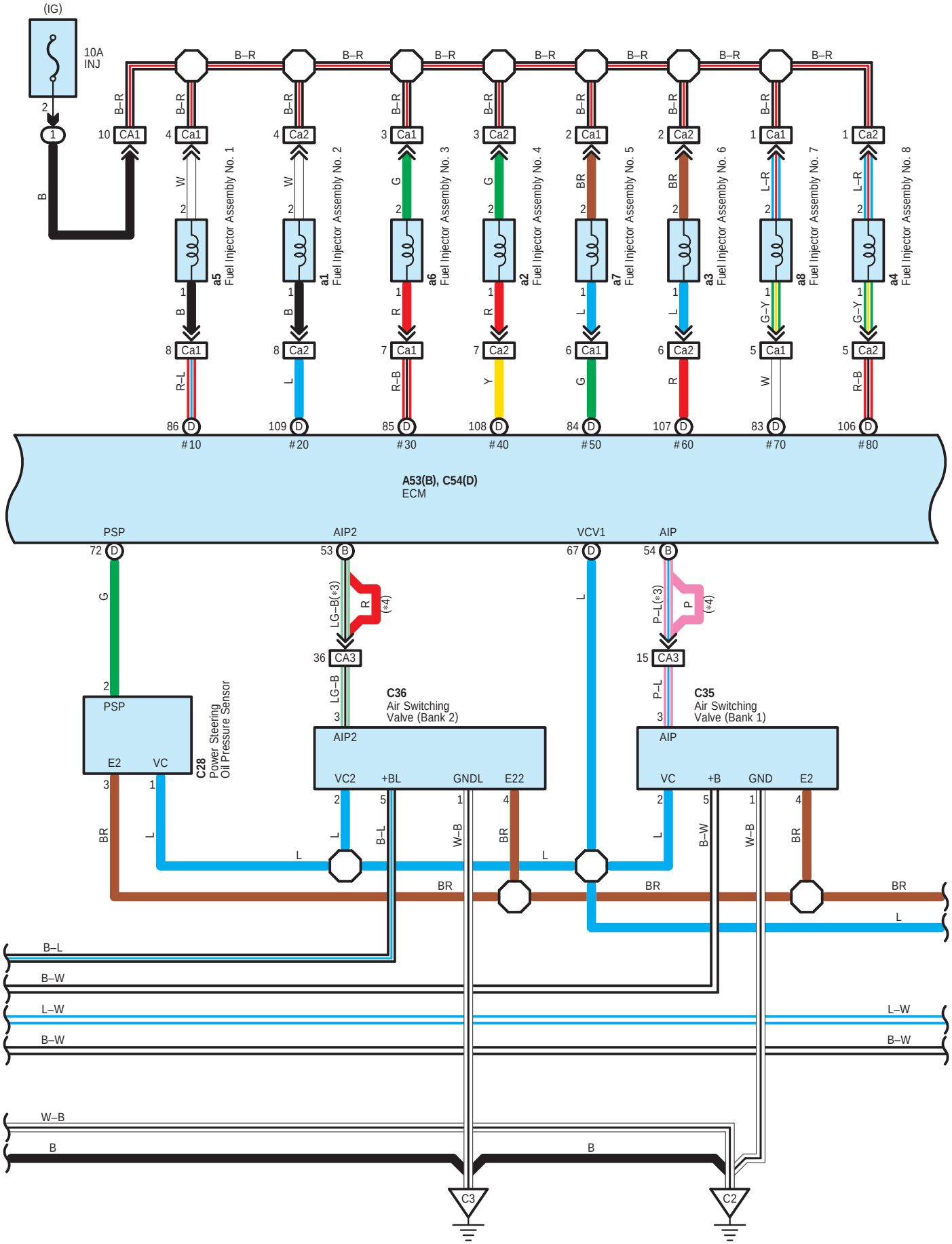
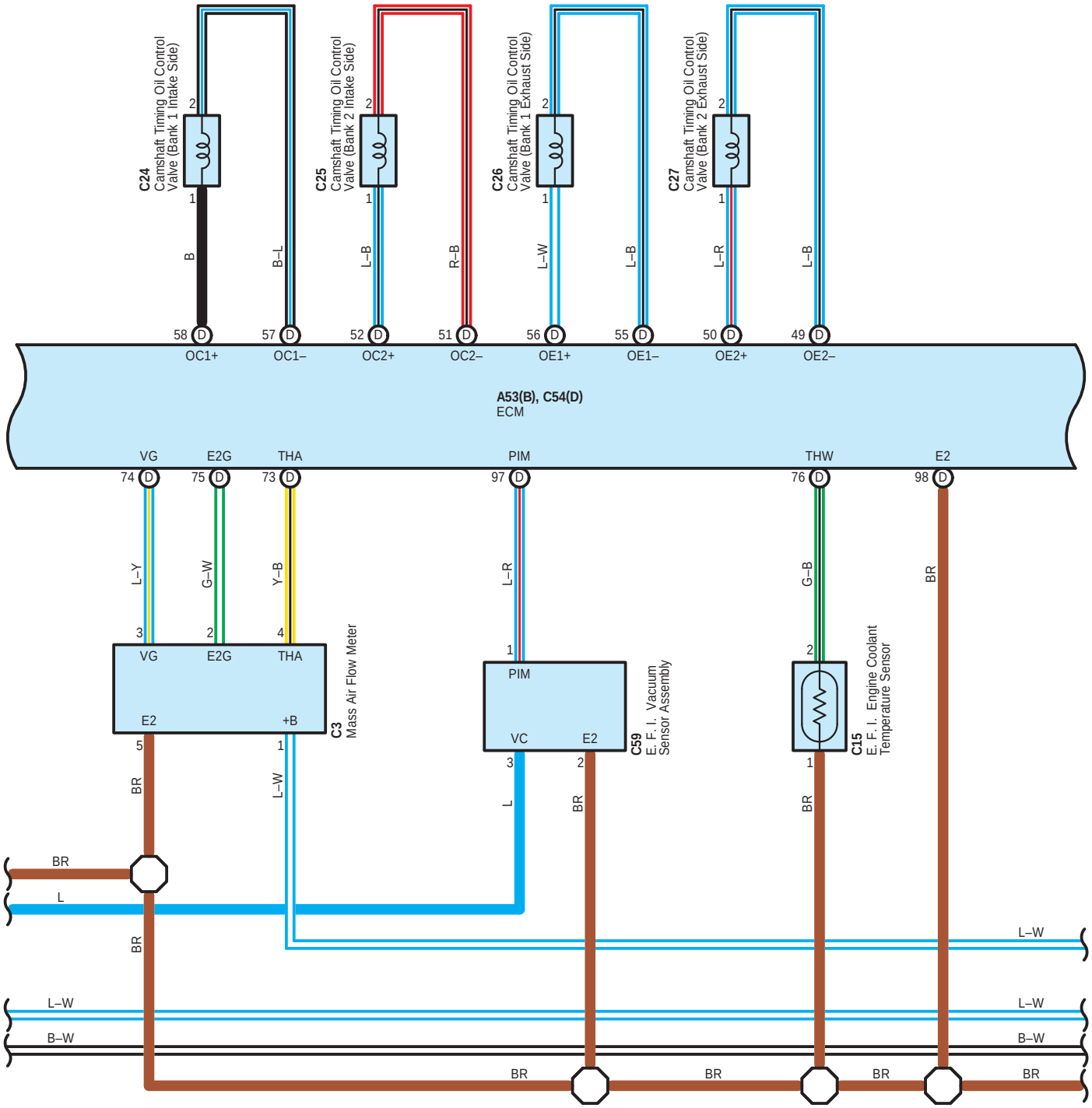

(BAT)
15A
A/F
(BAT)
25A
EFI MAIN
(BAT)
10A
AI–PUMP
HTR
A/F Relay
EFI Relay
AI VSV
Relay
7. 5A
EFI
NO. 2
AI–PMP
HTR Relay
CA2
CA1
CA1
CA1
A34
Junction
Connector
A1
L
W–R(∗3)
V(∗4)
B
L(∗4)
W–R
(∗3)
W(∗4)
B–L(∗3)
(∗4)
L–R(∗3)
W–B
B–W
B–L
L–W
L–R
G
R

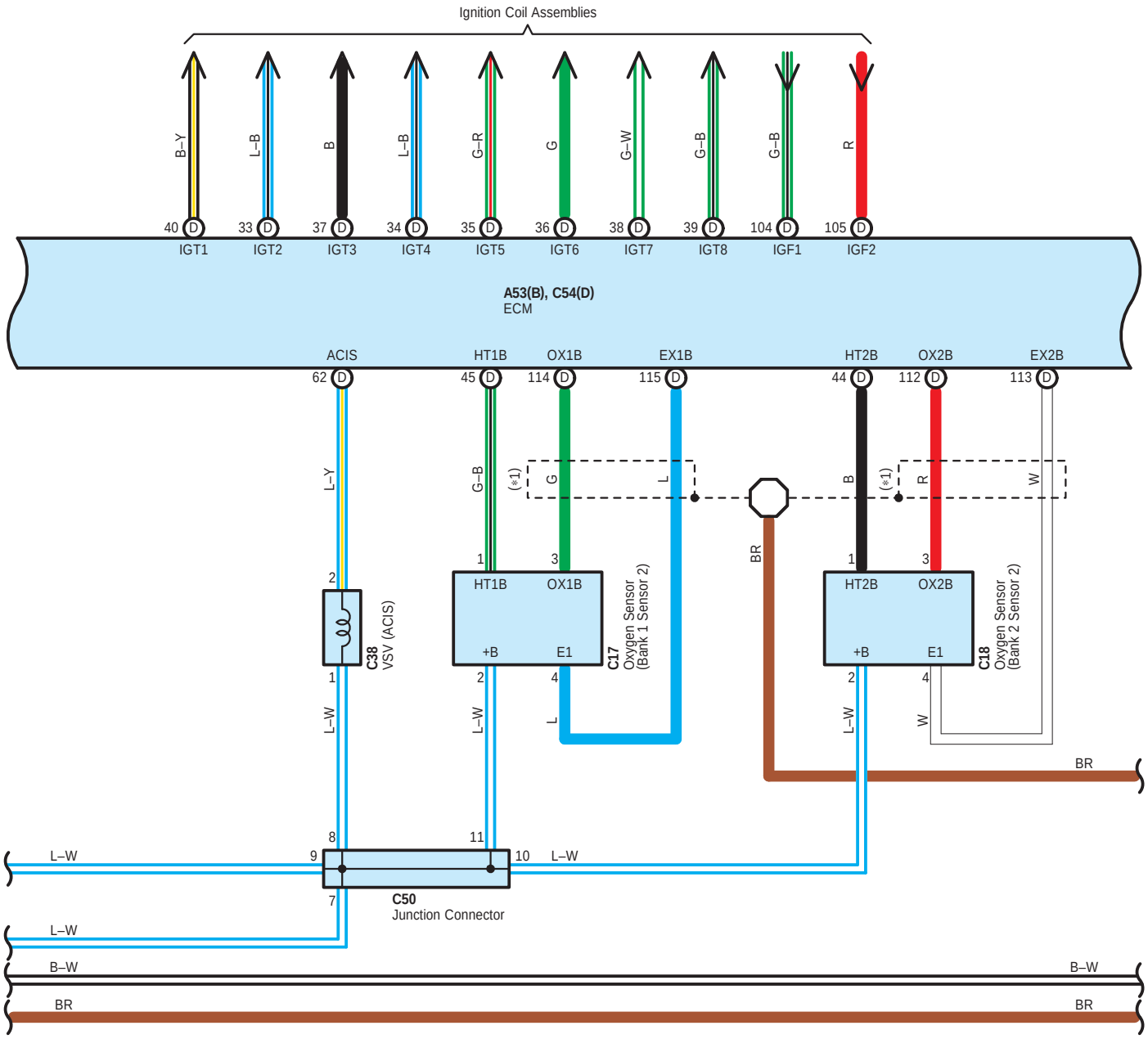

(BAT)
20A
EFI MAIN 2
(BAT)
50A
A/PUMP NO. 1
∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production
EFI NO. 2
Relay
N12
Fuel Pump Control
ECU Assembly
FPC
+B
E
FP
FP–
C29(A), C30(B)
Air Injection
Control Driver (Bank 1)
BATT
+B
E
VP
VV
SIV
SIP
DI
AK1
KN1
CA2
KN1
AK2
E2
M
Pump
B2
N1
Fuel Pump
N1
C1
C2


(IG)
10A
IGN
(BAT)
10A
ETCS
∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production
CA3
52 FPC
34 MREL
1 BATT
28 IGSW
41 +BM
A53(B), C54(D)
ECM
AIDI
AIRP
AIRV
HAI1
AIR
PRG
+B
+B2
30
54
28
60
61
63
3
2
CA1
CA1
C16
Purge VSV
C57
Air Pump Assembly
APH+
APHG
L–R
B–L
B–W
L–W
W–B

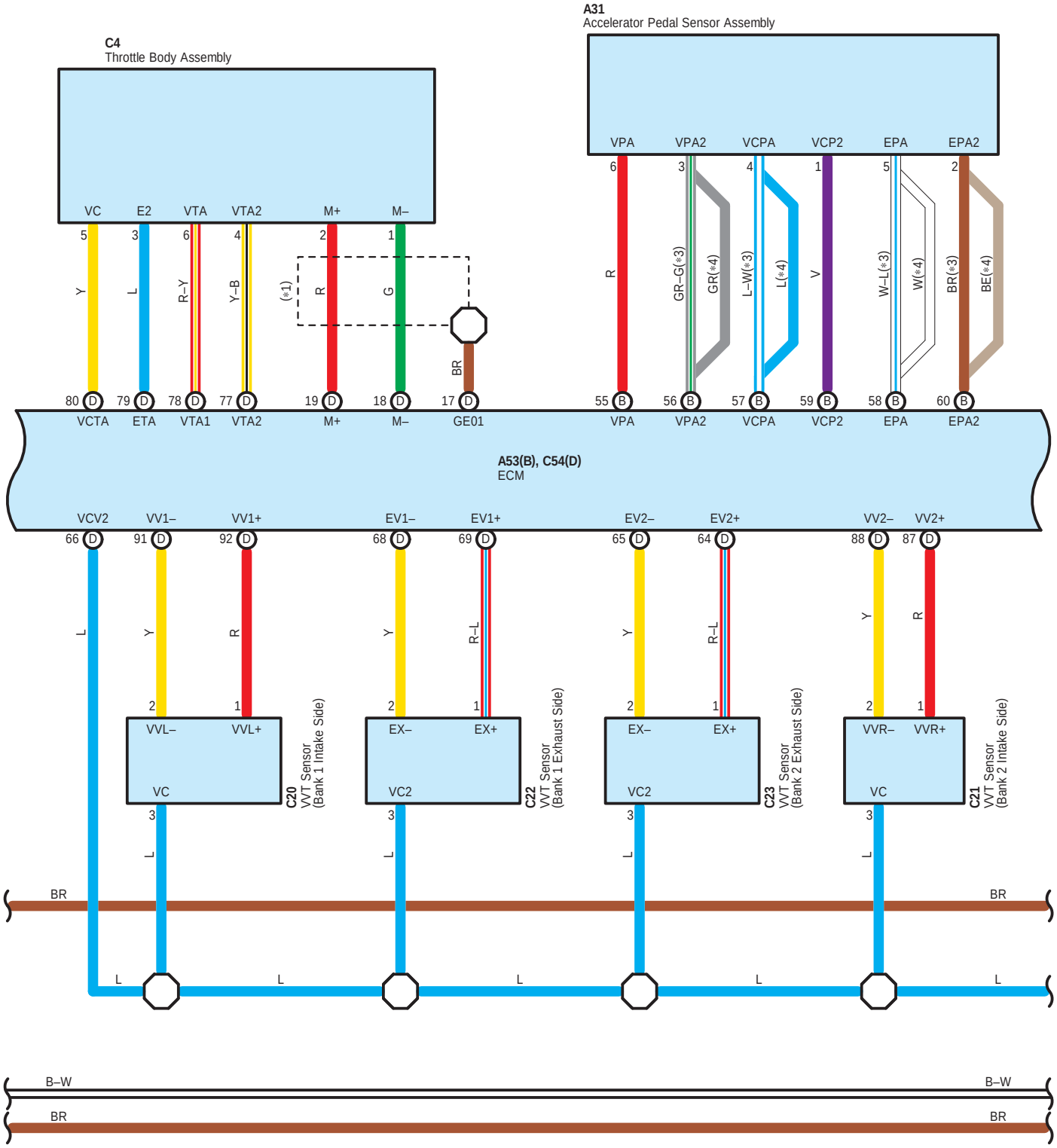

(IG)
10A
INJ
a5 Fuel Injector Assembly No. 1
a1 Fuel Injector Assembly No. 2
a6 Fuel Injector Assembly No. 3
a2 Fuel Injector Assembly No. 4
a7 Fuel Injector Assembly No. 5
a3 Fuel Injector Assembly No. 6
a8 Fuel Injector Assembly No. 7
a4 Fuel Injector Assembly No. 8
#10
#20
#30
#40
#50
#60
#70
#80
A53(B), C54(D)
ECM
PSP
AIP2
VCV1
AIP
C28
Power Steering
Oil Pressure Sensor
C36
Air Switching
Valve (Bank 2)
C35
Air Switching
Valve (Bank 1)
C3
C2

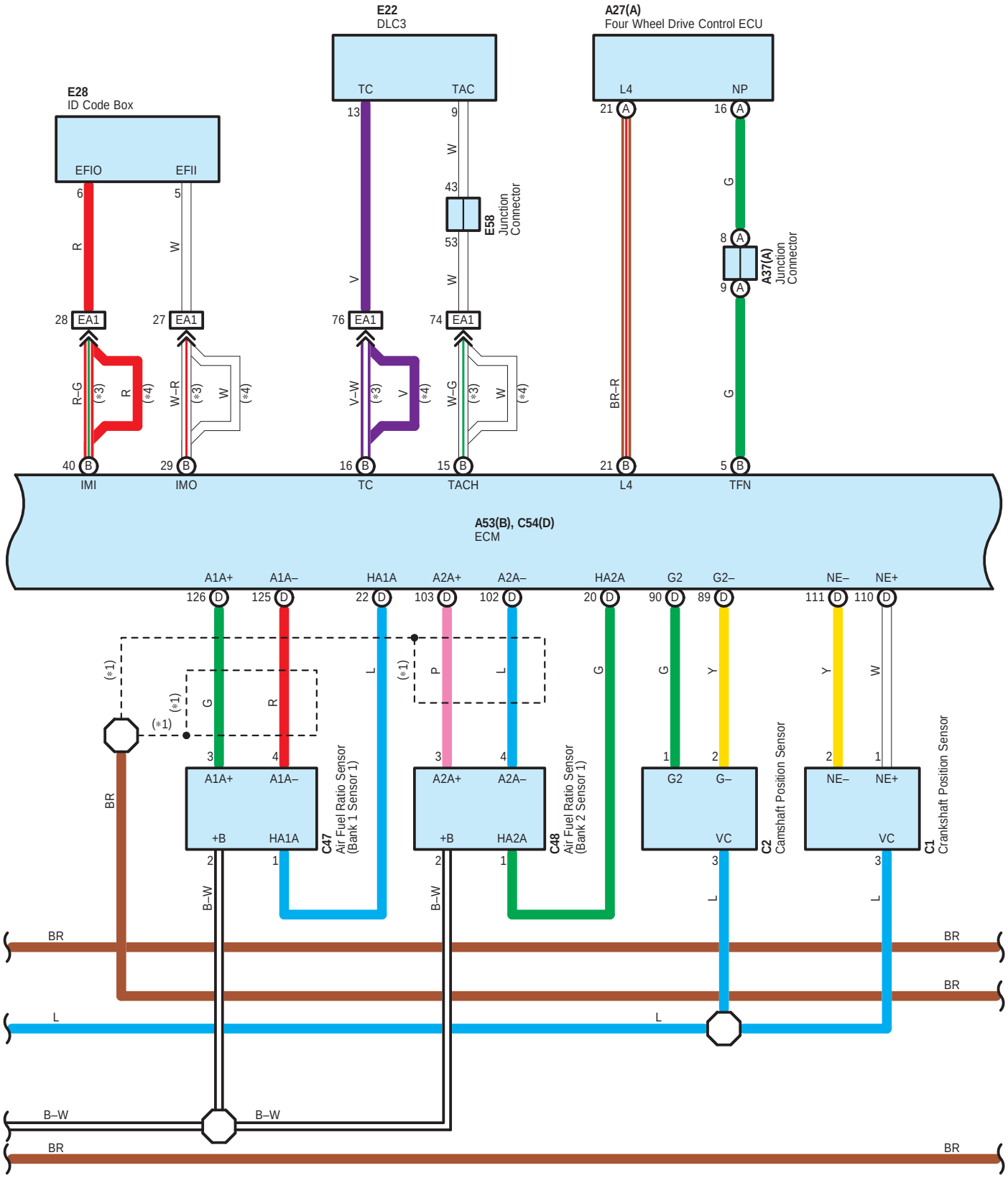

C24
Camshaft Timing Oil Control Valve (Bank 1 Intake Side)
C25
Camshaft Timing Oil Control Valve (Bank 2 Intake Side)
C26
Camshaft Timing Oil Control Valve (Bank 1 Exhaust Side)
C27
Camshaft Timing Oil Control Valve (Bank 2 Exhaust Side)
B
B–L
L–B
R–B
L–W
L–B
L–R
L–B
58 OC1+
57 OC1–
52 OC2+
51 OC2–
56 OE1+
55 OE1–
50 OE2+
49 OE2–
A53(B), C54(D)
ECM
VG
E2G
THA
PIM
THW
E2
74
75
73
97
76
98
L–Y
G–W
Y–B
L–R
G–B
BR
C3
Mass Air Flow Meter
C59
E. F. I. Vacuum Sensor Assembly
C15
E. F. I. Engine Coolant Temperature Sensor
E2
+B
VC
L
L–W
B–W

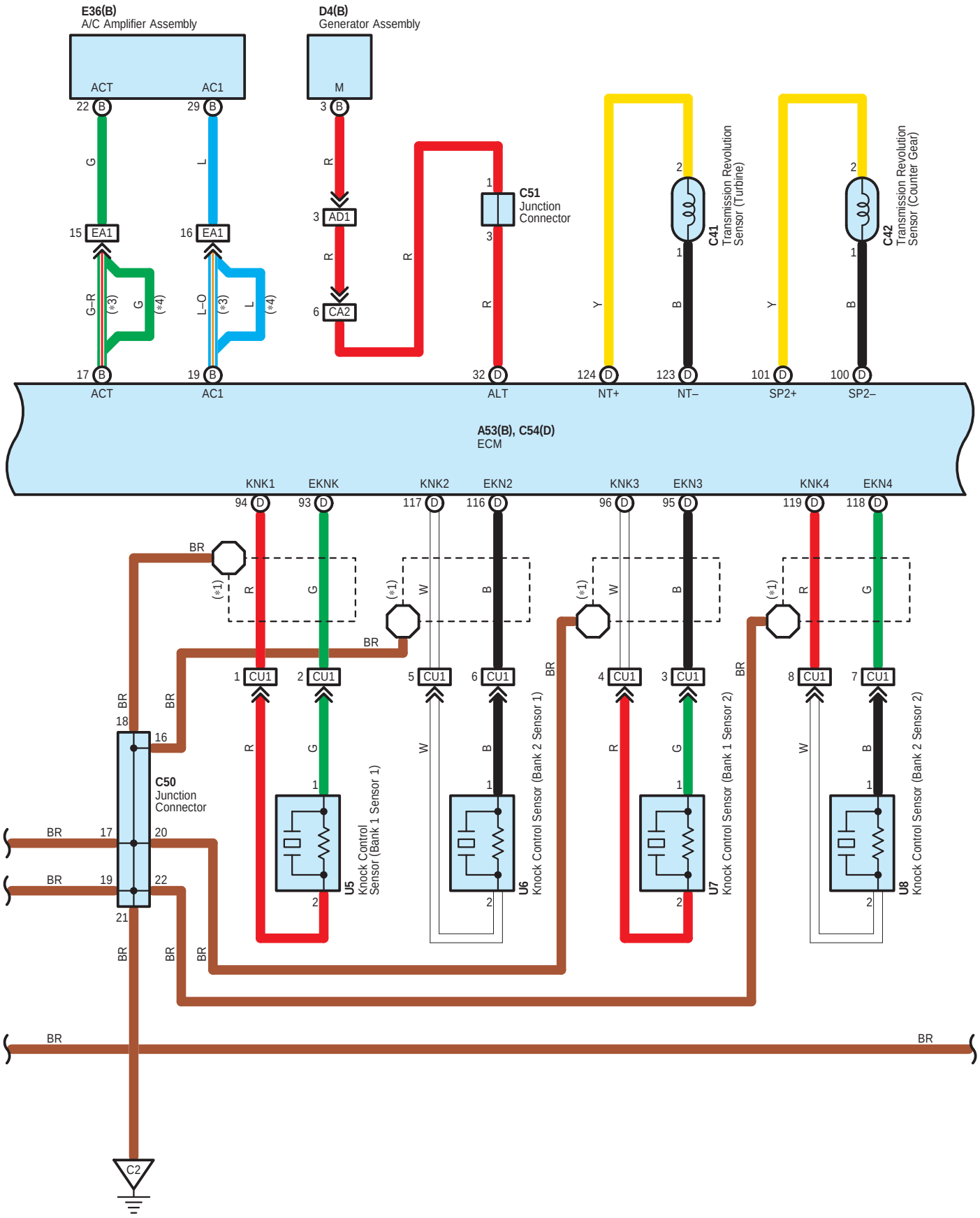
∗ 1 : Shielded

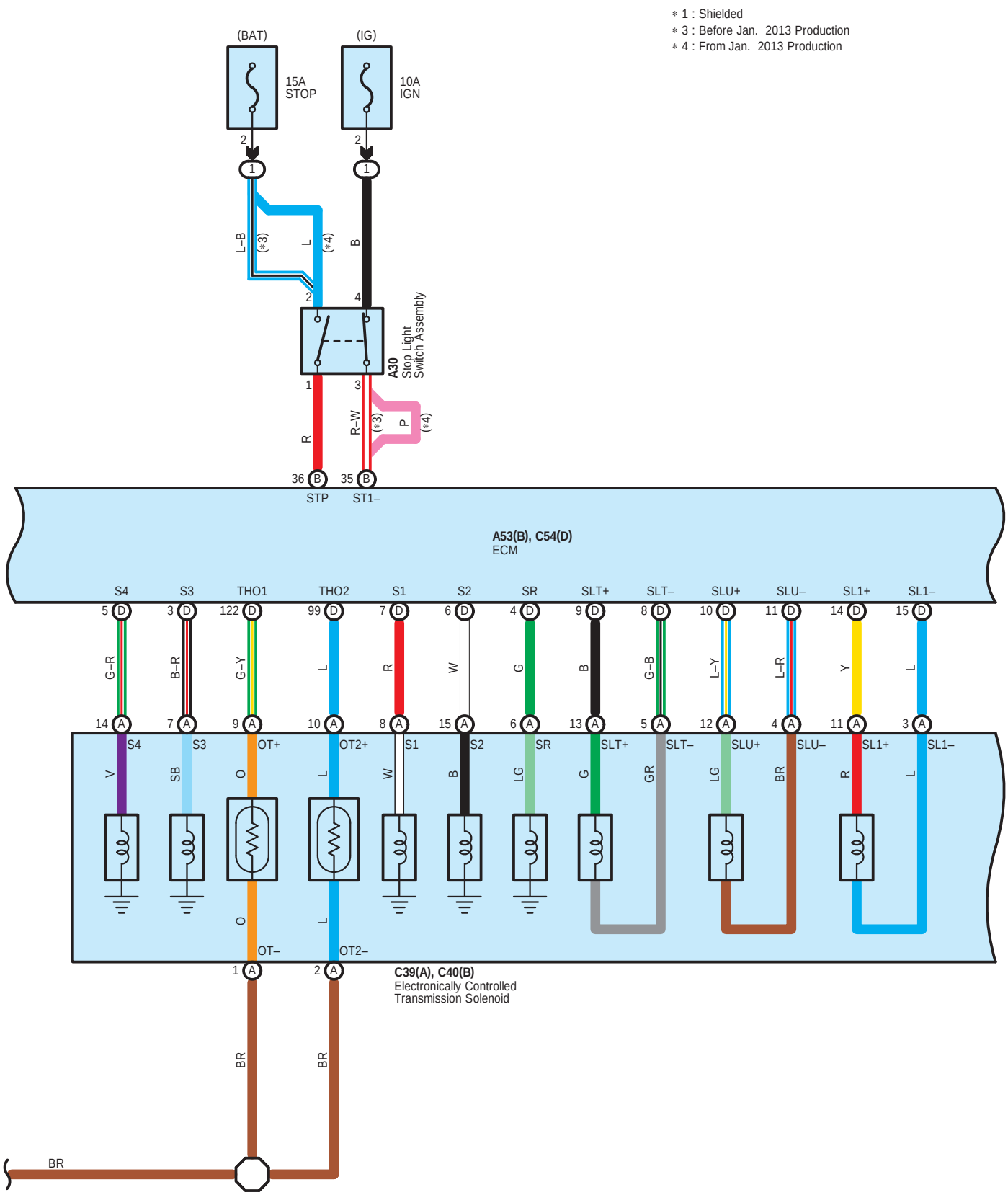

Ignition Coil Assemblies
B–Y
L–B
B
L–B
G–R
G
G–W
G–B
G–B
R
40 D IGT1
33 D IGT2
37 D IGT3
34 D IGT4
35 D IGT5
36 D IGT6
38 D IGT7
39 D IGT8
104 D IGF1
105 D IGF2
A53(B), C54(D)
ECM
ACIS 62 D
HT1B 45 D
OX1B 114 D
EX1B 115 D
HT2B 44 D
OX2B 112 D
EX2B 113 D
L–Y
G–B
(∗1)
G
L
B
(∗1)
R
W
BR
2
1
C38
VSV (ACIS)
1
3
HT1B
OX1B
+B
E1
C17
Oxygen Sensor
(Bank 1 Sensor 2)
2
4
1
3
HT2B
OX2B
+B
E1
C18
Oxygen Sensor
(Bank 2 Sensor 2)
2
4
L–W
L–W
L
L–W
W
BR
8
11
L–W
9
10
L–W
7
C50
Junction Connector
L–W
B–W
B–W
BR
BR

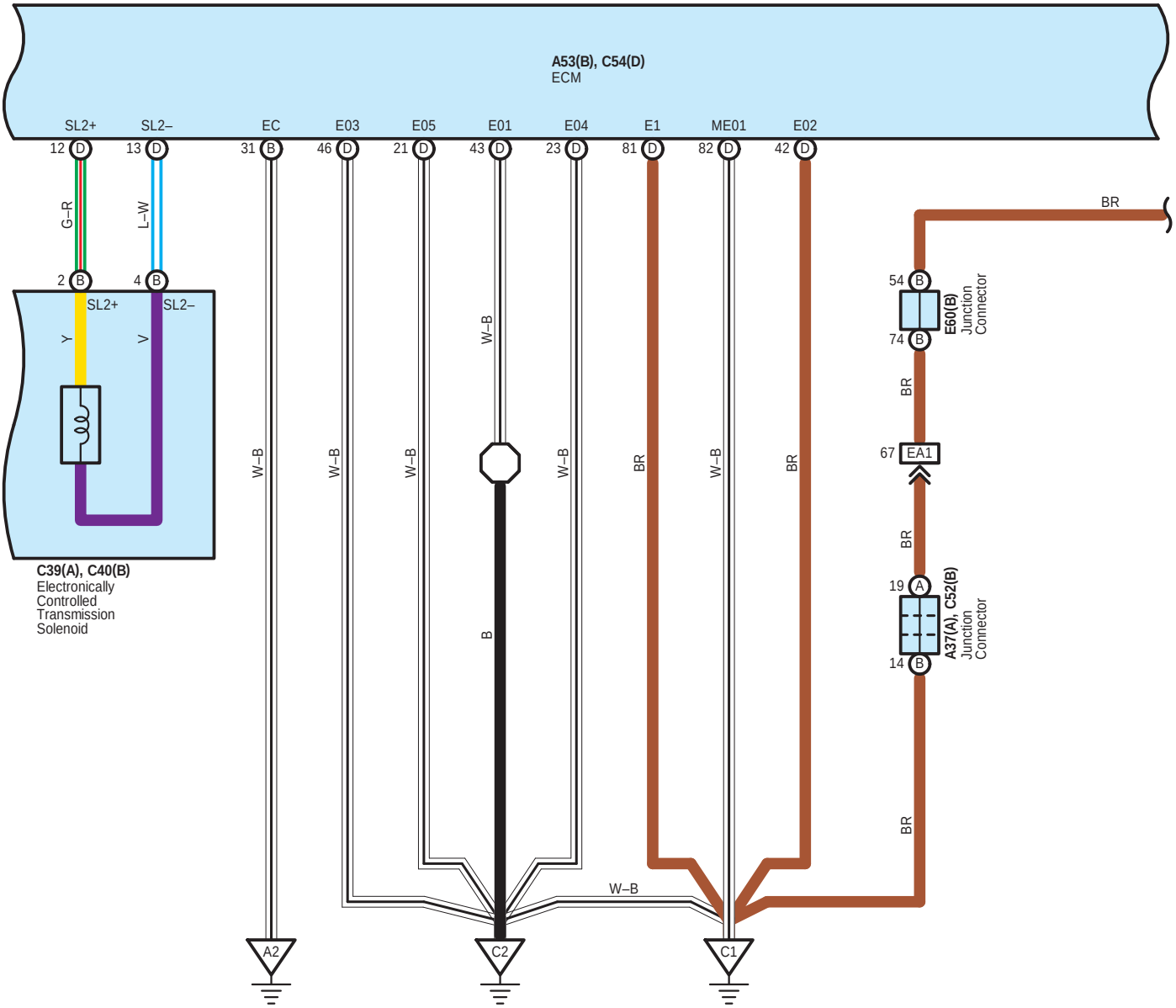
∗ 1 : Shielded
∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production



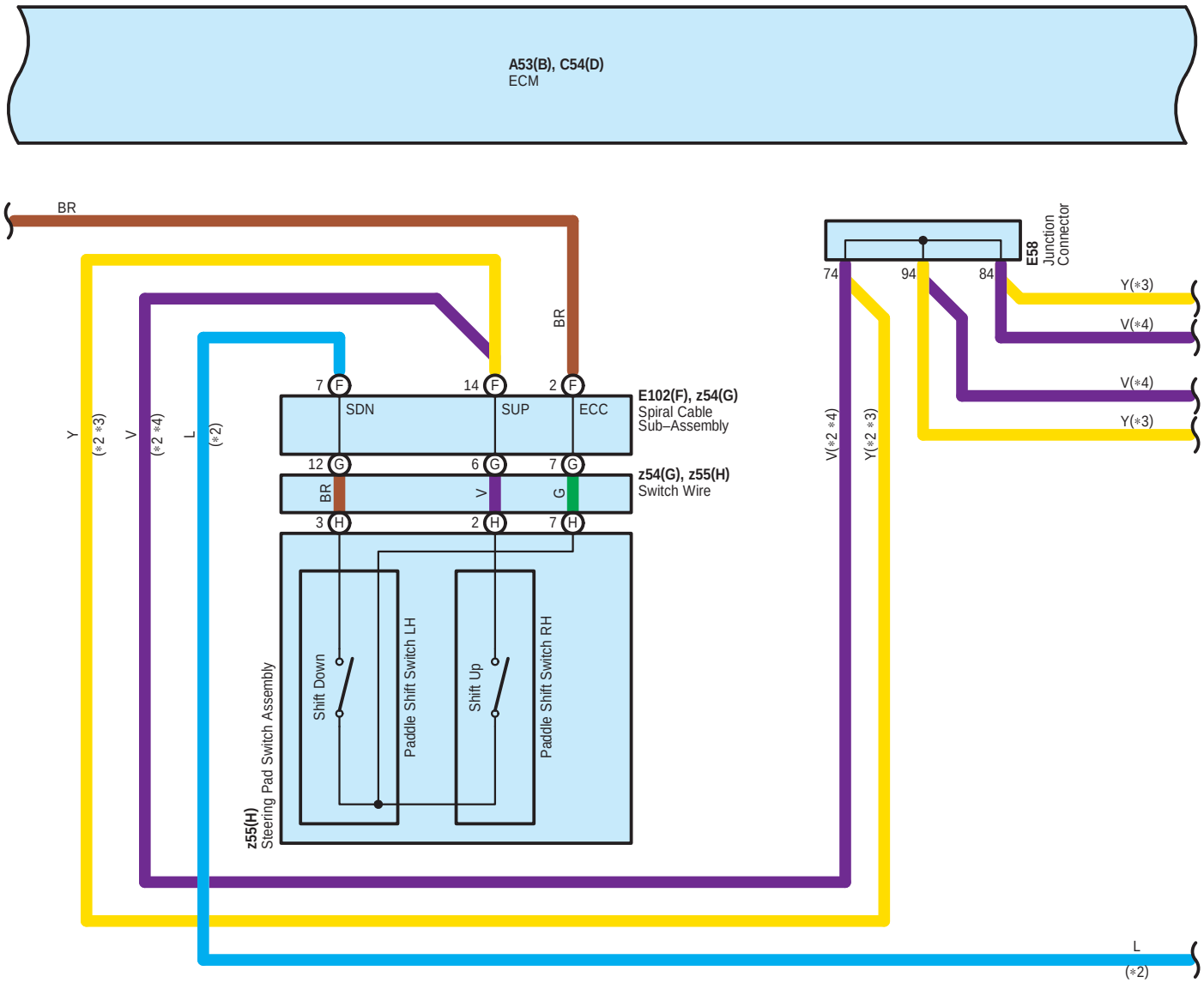

E22
DLC3
TC
TAC
A27(A)
Four Wheel Drive Control ECU
L4
NP
E28
ID Code Box
EFIO
EFII
E58
Junction
Connector
A37(A)
Junction
Connector
EA1
IMI
IMO
TC
TACH
L4
TFN
A53(B), C54(D)
ECM
A1A+
A1A–
HA1A
A2A+
A2A–
HA2A
G2
G2–
NE–
NE+
C47
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
C48
Air Fuel Ratio Sensor
(Bank 2 Sensor 1)
C2
Camshaft Position Sensor
C1
Crankshaft Position Sensor
+B
VC
BR
L
B–W

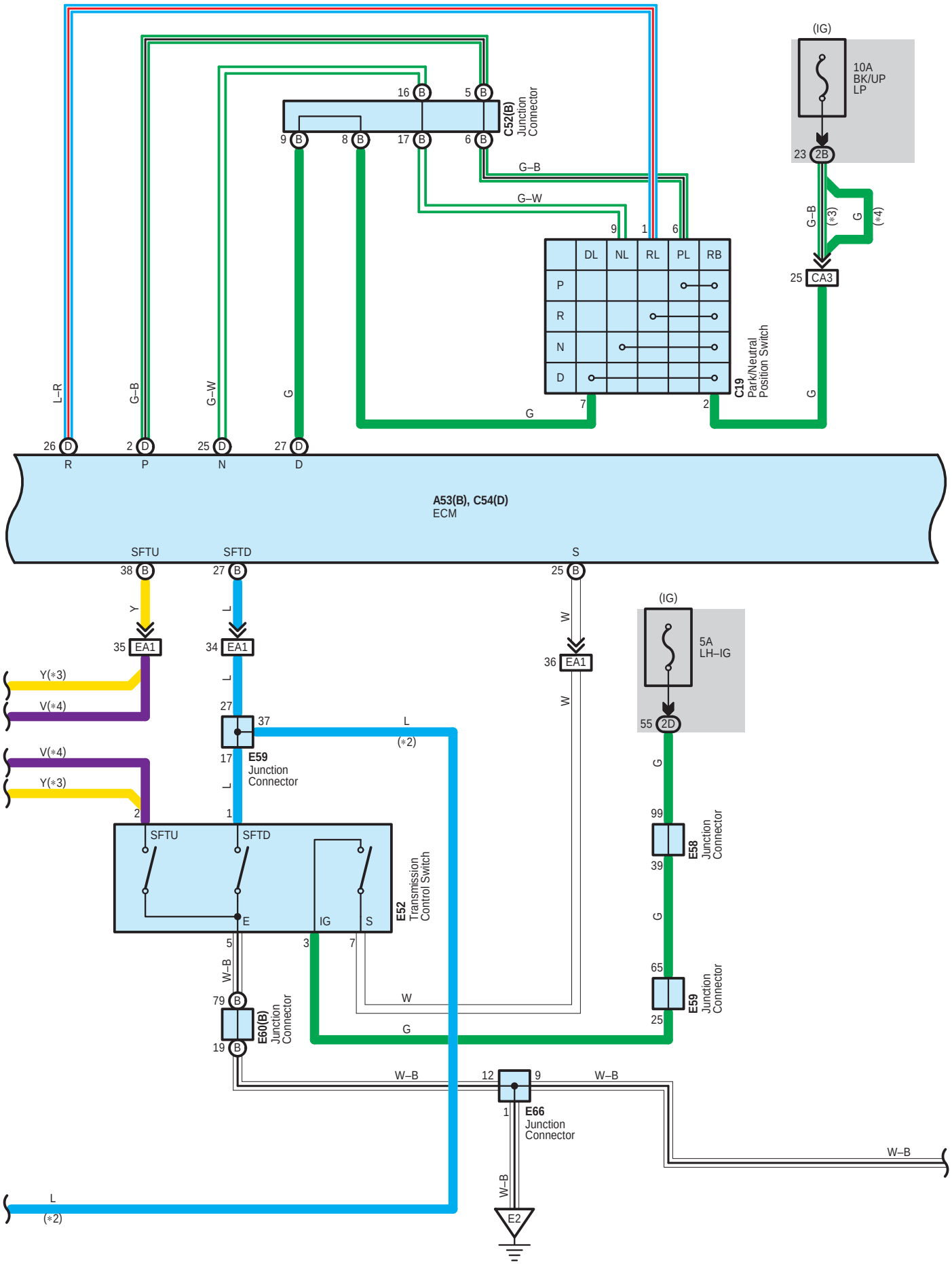

E36(B)
A/C Amplifier Assembly
ACT
AC1
22 B
29 B
15 EA1
16 EA1
G–R
(*3)
G
(*4)
L–O
(*3)
L
(*4)
17 B
19 B
ACT
AC1
D4(B)
Generator Assembly
M
3 B
3 AD1
6 CA2
R
C51
Junction
Connector
1
3
32 D
ALT
Y
124 D
NT+
C41
Transmission Revolution
Sensor (Turbine)
2
1
B
123 D
NT–
101 D
SP2+
C42
Transmission Revolution
Sensor (Counter Gear)
100 D
SP2–
A53(B), C54(D)
ECM
KNK1
EKNK
KNK2
EKN2
KNK3
EKN3
KNK4
EKN4
94 D
93 D
117 D
116 D
96 D
95 D
119 D
118 D
BR
(*1)
W
1 CU1
2 CU1
5 CU1
6 CU1
4 CU1
3 CU1
8 CU1
7 CU1
C50
Junction
Connector
18
16
17
20
19
22
21
U5
Knock Control
Sensor (Bank 1 Sensor 1)
U6
Knock Control Sensor (Bank 2 Sensor 1)
U7
Knock Control Sensor (Bank 1 Sensor 2)
U8
Knock Control Sensor (Bank 2 Sensor 2)
C2

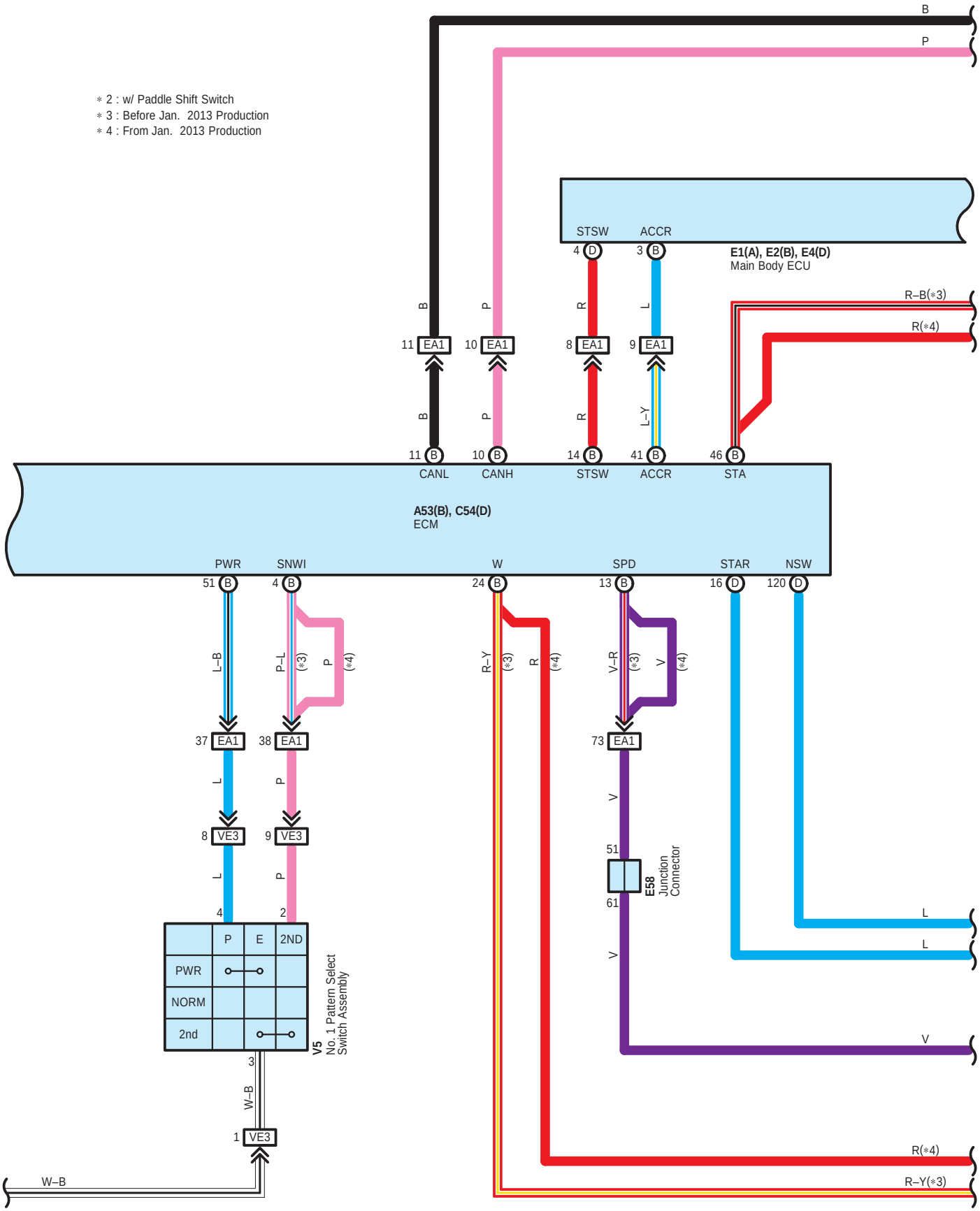

∗ 1 : Shielded
∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production
(BAT)
(IG)
15A
STOP
10A
IGN
L–B
(∗3)
L
(∗4)
B
A30
Stop Light
Switch Assembly
R
R–W
(∗3)
P
(∗4)
STP
ST1–
A53(B), C54(D)
ECM
S4
S3
THO1
THO2
S1
S2
SR
SLT+
SLT–
SLU+
SLU–
SL1+
SL1–
G–R
B–R
G–Y
L
R
W
G
B
G–B
L–Y
L–R
Y
L
V
SB
O
L
W
B
LG
G
GR
LG
BR
R
L
OT+
OT2+
OT–
OT2–
C39(A), C40(B)
Electronically Controlled
Transmission Solenoid
BR
BR
BR

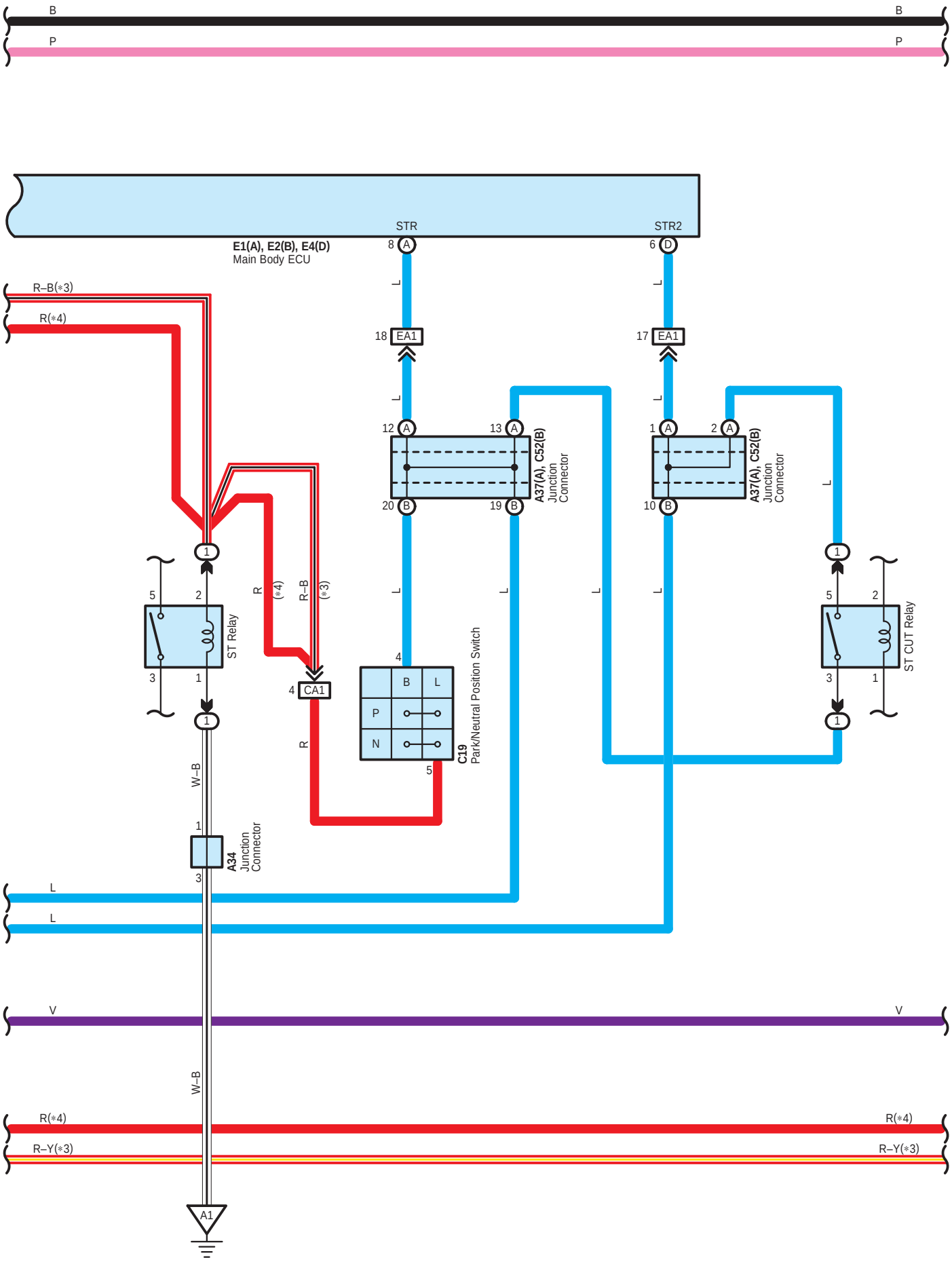

A53(B), C54(D)
ECM
SL2+
SL2–
EC
E03
E05
E01
E04
E1
ME01
E02
12 D
13 D
31 B
46 D
21 D
43 D
23 D
81 D
82 D
42 D
G–R
L–W
2 B
4 B
SL2+
SL2–
Y
V
C39(A), C40(B)
Electronically
Controlled
Transmission
Solenoid
W–B
W–B
W–B
W–B
W–B
B
BR
W–B
BR
W–B
BR
BR
54 B
74 B
E60(B)
Junction
Connector
BR
67 EA1
BR
19 A
14 B
A37(A), C52(B)
Junction
Connector
BR
A2
C2
C1

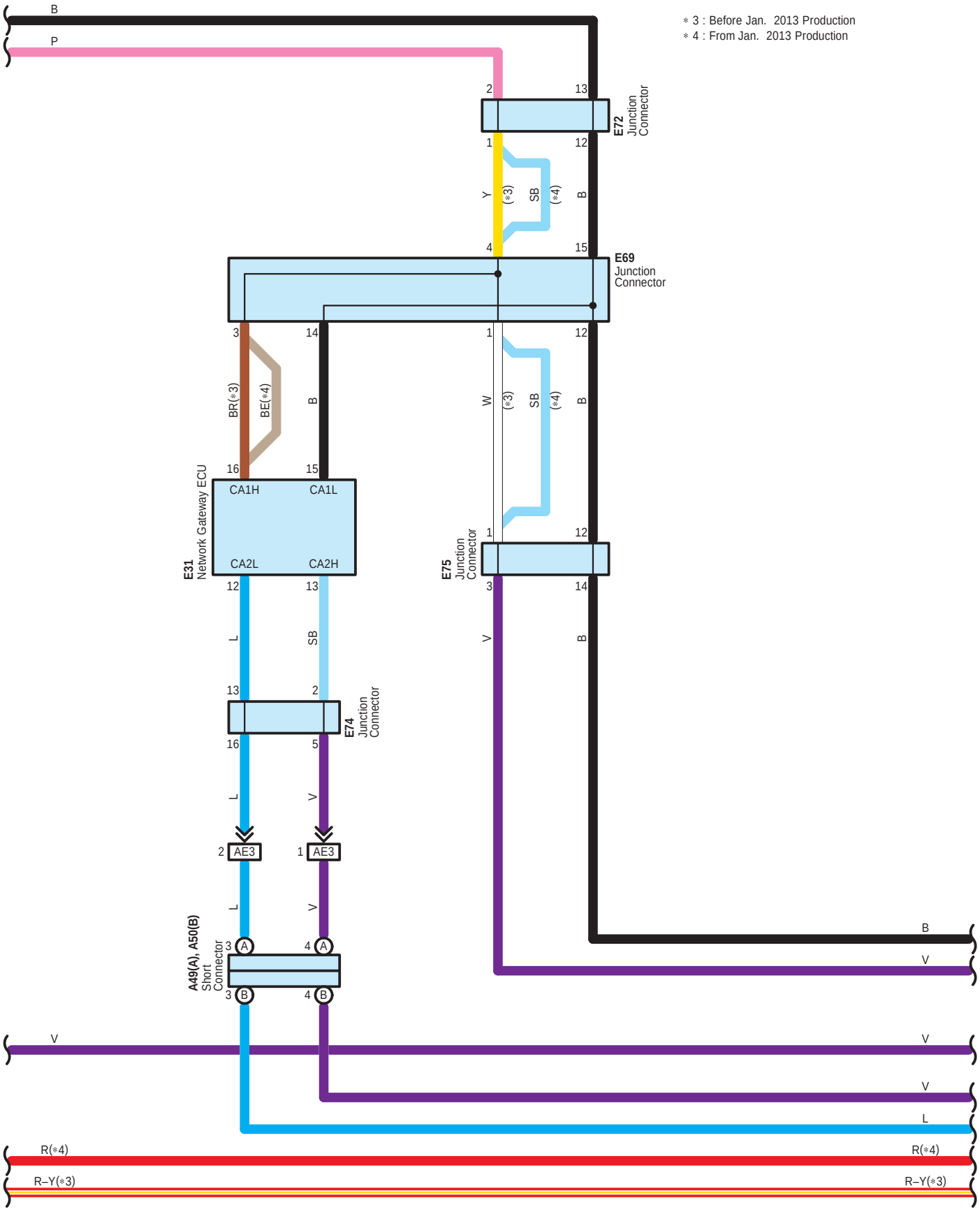
∗ 2 : w/ Paddle Shift Switch
∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production

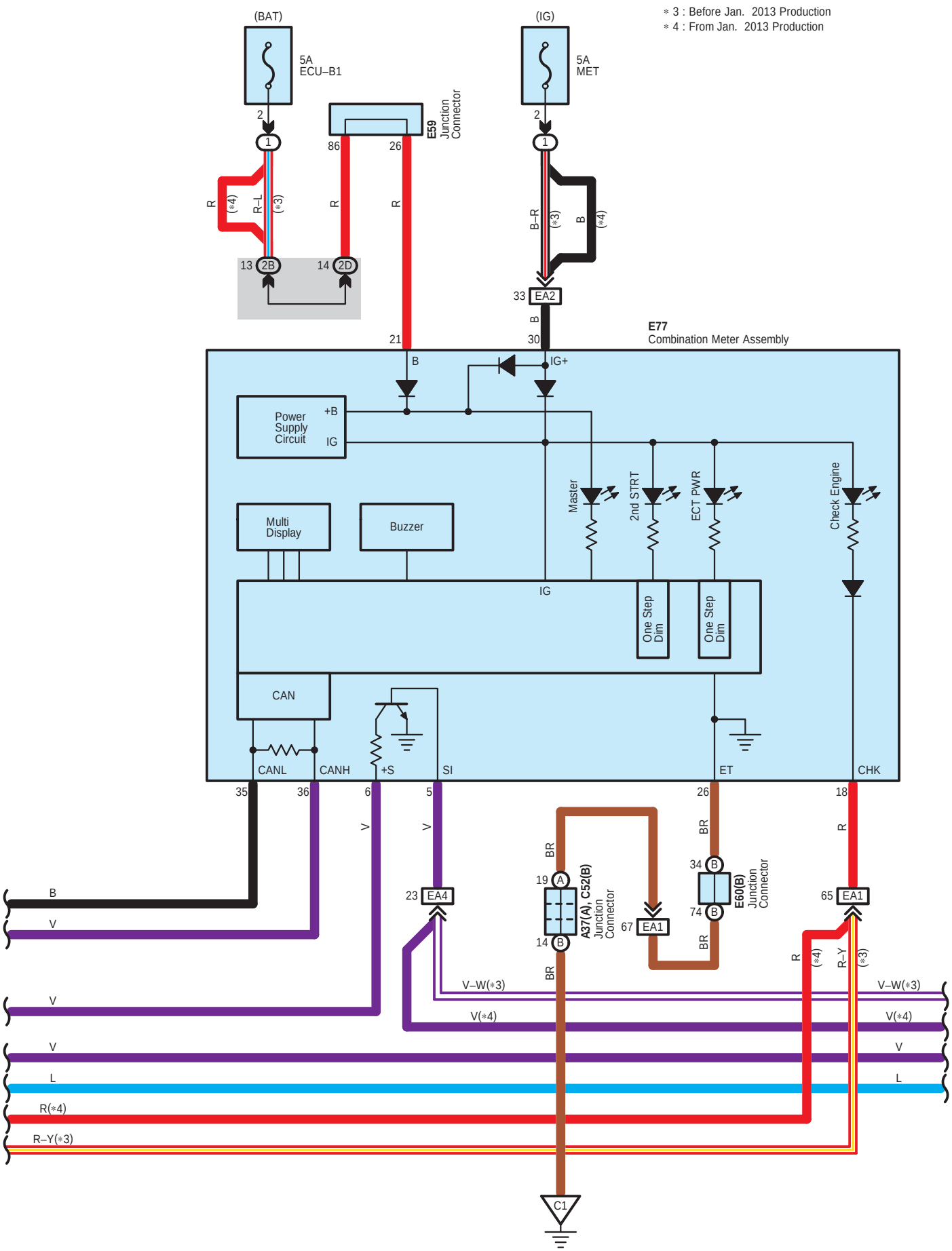


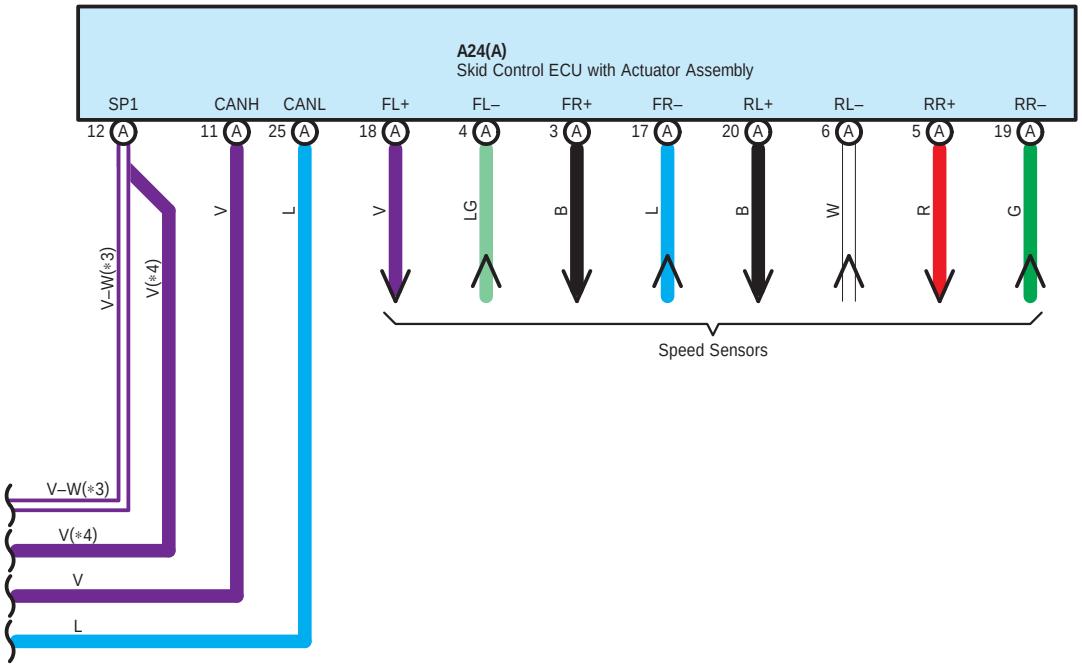

(IG)
10A
BK/UP
LP
23 2B
G–B
(*3)
G
(*4)
25 CA3
G
C52(B)
Junction
Connector
16 B
5 B
9 B
8 B
17 B
6 B
G–B
G–W
9
1
6
DL
NL
RL
PL
RB
P
R
N
D
7
2
C19
Park/Neutral
Position Switch
L–R
G–B
G–W
G
26 D
2 D
25 D
27 D
R
P
N
D
A53(B), C54(D)
ECM
SFTU
SFTD
S
38 B
27 B
25 B
Y
L
W
35 EA1
34 EA1
36 EA1
Y(*3)
V(*4)
27
37
L
(*2)
17
E59
Junction
Connector
V(*4)
Y(*3)
2
1
SFTU
SFTD
E
IG
S
E52
Transmission
Control Switch
5
3
7
W–B
79 B
19 B
E60(B)
Junction
Connector
W
G
(IG)
5A
LH–IG
55 2D
G
99
39
E58
Junction
Connector
65
25
E59
Junction
Connector
W–B
12
9
1
E66
Junction
Connector
W–B
W–B
L
(*2)
E2


∗ 2 : w/ Paddle Shift Switch
∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production
B
P
STSW
ACCR
4 D
3 B
E1(A), E2(B), E4(D)
Main Body ECU
R–B(∗3)
R(∗4)
11 EA1
10 EA1
8 EA1
9 EA1
11 B
10 B
14 B
41 B
46 B
CANL
CANH
STSW
ACCR
STA
A53(B), C54(D)
ECM
PWR
SNWI
W
SPD
STAR
NSW
51 B
4 B
24 B
13 B
16 D
120 D
L–B
P–L
(∗3)
P
(∗4)
R–Y
(∗3)
R
(∗4)
V–R
(∗3)
V
(∗4)
37 EA1
38 EA1
73 EA1
8 VE3
9 VE3
51
61
E58
Junction
Connector
L
L
V
V
4
2
P
E
2ND
PWR
NORM
2nd
V5
No. 1 Pattern Select
Switch Assembly
3
W–B
1 VE3
W–B
R(∗4)
R–Y(∗3)

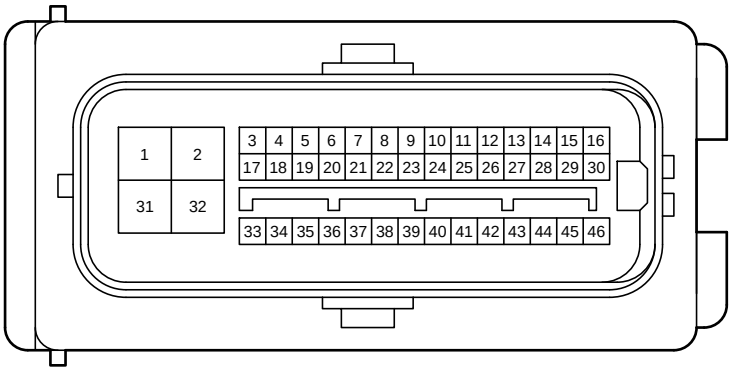

B
P
STR
STR2
E1(A), E2(B), E4(D)
Main Body ECU
8 A
6 D
R–B(*3)
R(*4)
18 EA1
17 EA1
12 A
13 A
20 B
19 B
A37(A), C52(B)
Junction
Connector
1 A
2 A
10 B
ST Relay
ST CUT Relay
4 CA1
C19
Park/Neutral Position Switch
B
L
P
N
W–B
A34
Junction
Connector
V
R–Y(*3)
A1


∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production
E72 Junction Connector
E69 Junction Connector
E31 Network Gateway ECU
CA1H
CA1L
CA2L
CA2H
E75 Junction Connector
E74 Junction Connector
AE3
A49(A), A50(B) Short Connector
B
P
Y
(∗3)
SB
(∗4)
W
BR(∗3)
BE(∗4)
L
V
R(∗4)
R–Y(∗3)

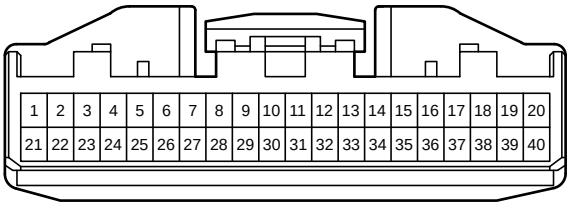

∗ 3 : Before Jan. 2013 Production
∗ 4 : From Jan. 2013 Production
(BAT)
5A
ECU–B1
(IG)
5A
MET
E59
Junction
Connector
E77
Combination Meter Assembly
Power
Supply
Circuit
+B
IG
IG+
Multi
Display
Buzzer
Master
2nd STRT
ECT PWR
Check Engine
One Step
Dim
CAN
CANL
CANH
+S
SI
ET
CHK
EA2
EA4
EA1
A37(A), C52(B)
Junction
Connector
E60(B)
Junction
Connector
V–W(∗3)
V(∗4)
R–Y(∗3)
R(∗4)
C1


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(∗3)
V(∗4)
V
L
V
LG
B
L
B
W
R
G
Speed Sensors
V–W(∗3)
V(∗4)
V
L

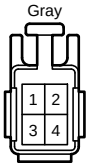
A 24
Black



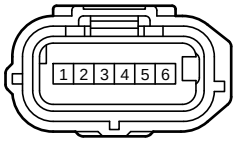
A 27
Black



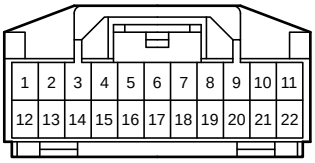
A 30
Gray



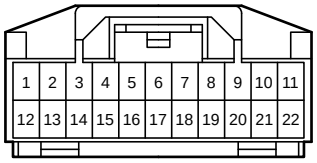
A 31
Black



A 34
White

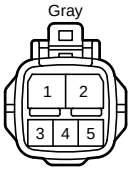


A 37
Blue

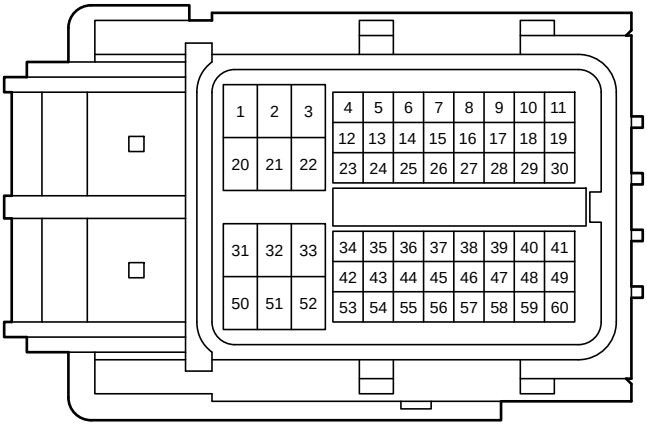


A 49
Gray

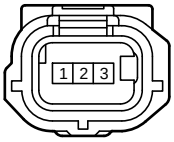
A 50
Gray



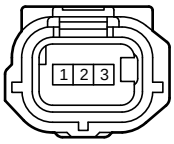
A 53
Black



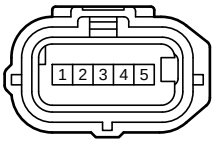
C 1
Black



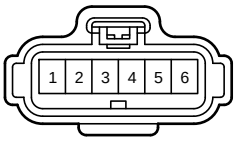
C 2
Black



C 3
Black

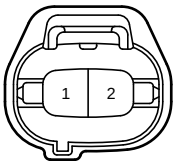


C 4
Black



C 15
Dark Gray

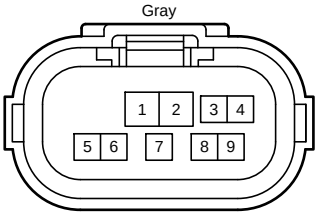
C 16
Black



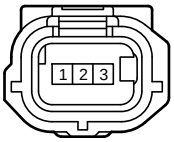
C 17
Dark Gray

C 18
Dark Gray

C 19
Gray



C 20
Black



C 21
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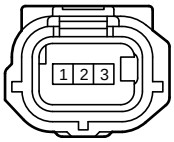

C 22
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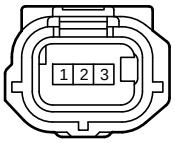
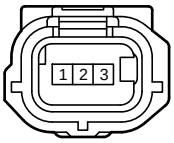


C 23
Black



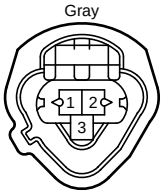
C 24
Black

C 25
Black

C 26
Black

C 27
Black

C 28
Gray



C 29
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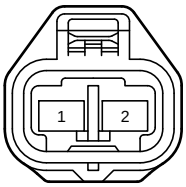
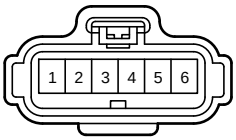


C 30
Black



C 35
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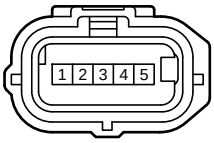
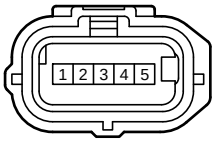


C 36
Black



C 38
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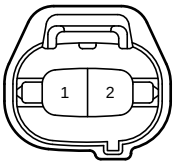
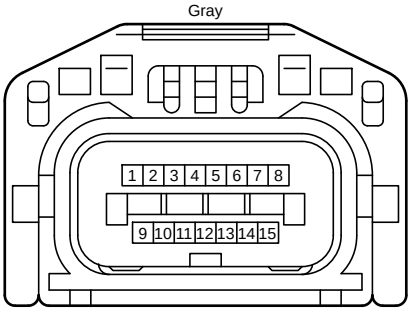
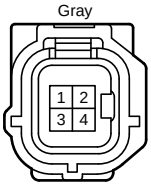


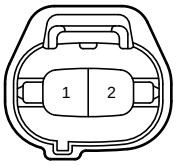
C 39
Gray



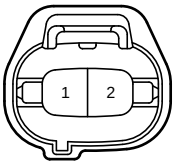
C 40
Gray



C 41
Black



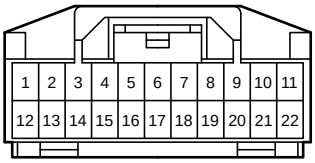
C 42
Black



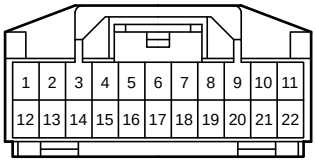
C 47
Dark Gray

C 48
Dark Gray

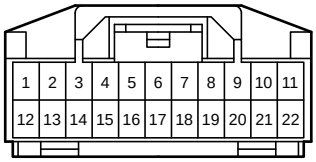
C 50
White



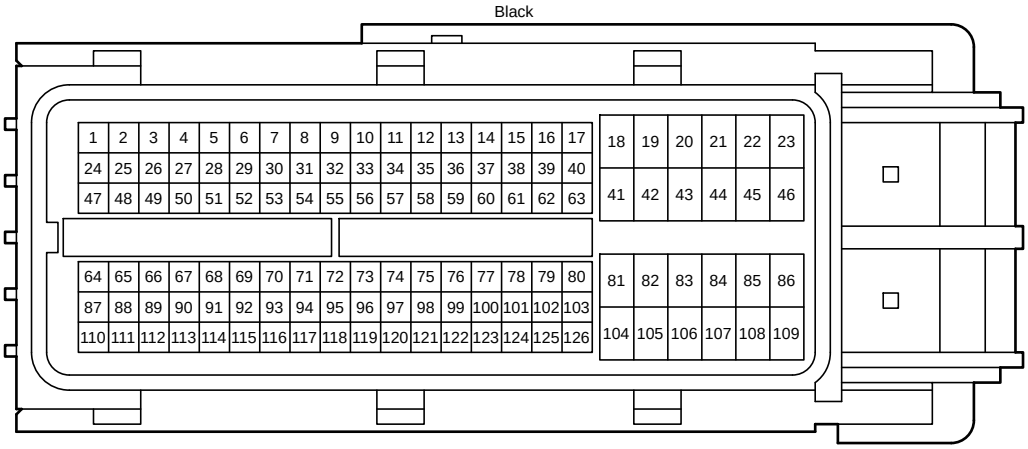
C 51
White



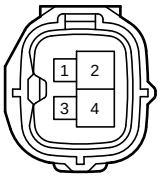
C 52
Blue



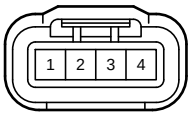
C 54
Black



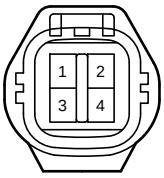
C 57
Black



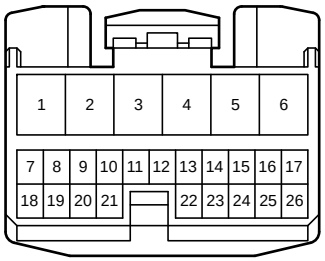
C 59
Black



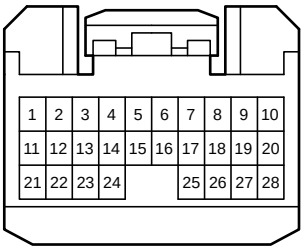
D 4
Black



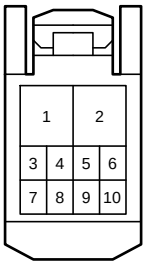
E 1
White



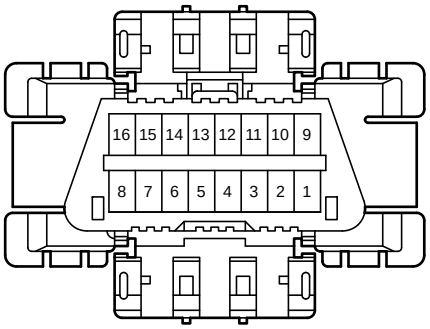
E 2
White



E 4
White



E 22
White



E 28
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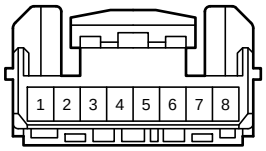

E 31
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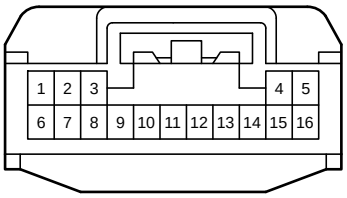

E 36
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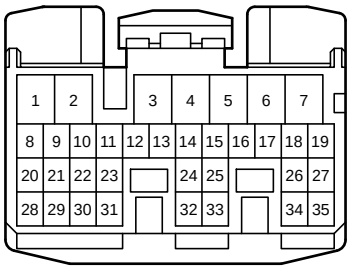

E 52
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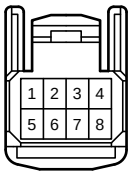
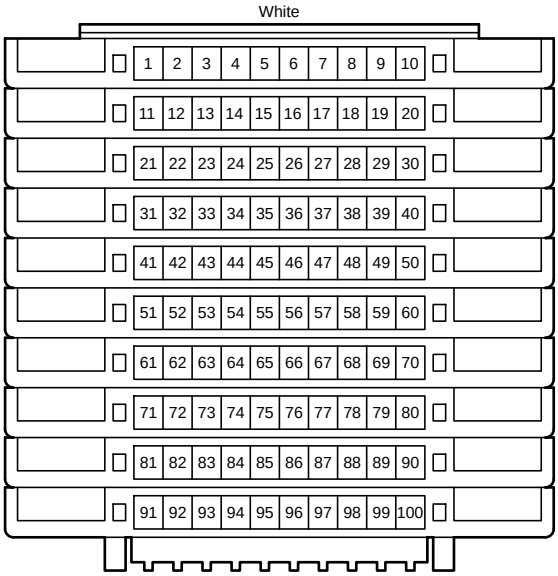


E 58

White



E 59

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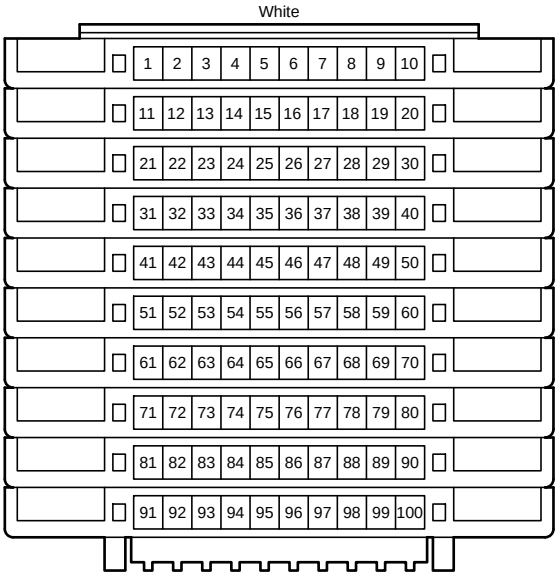

E 60

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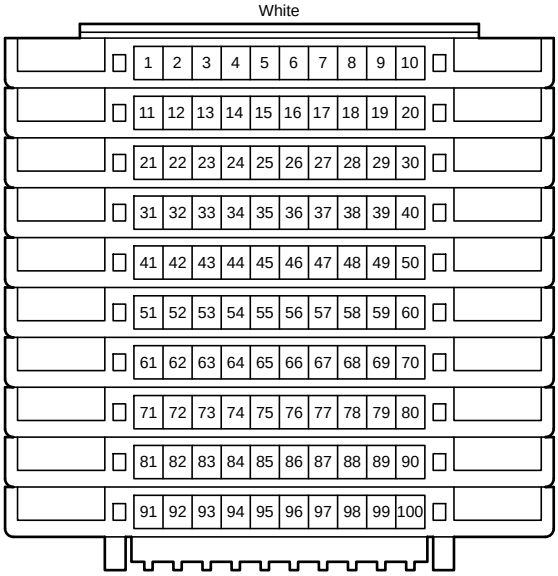

E 66

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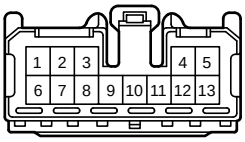
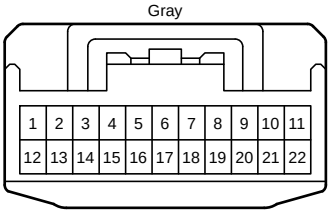


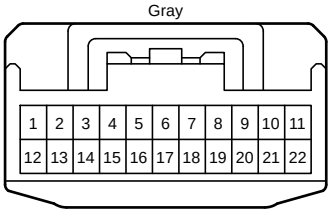
E 69

Gray



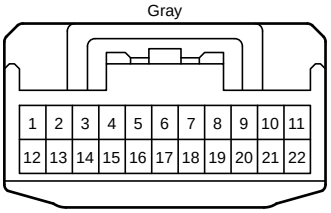
E 72

Gray



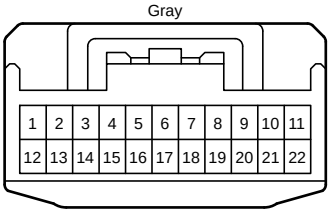
E 74

Gray



E 75

Gray



E 77
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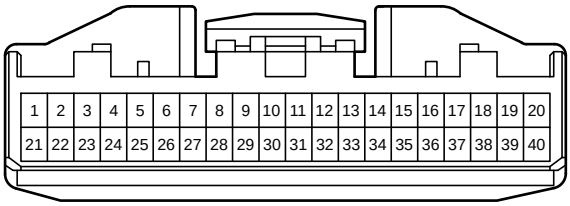
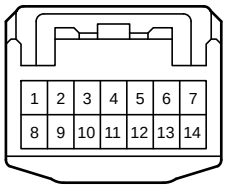
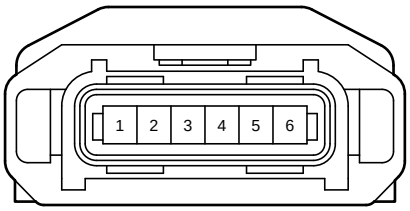


E102
Black

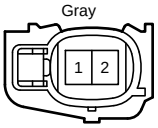


N 1
White

N 12
Black



U 5
Gray



U 6
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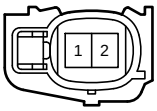

U 7
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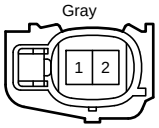

U 8
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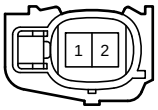
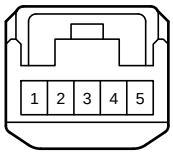
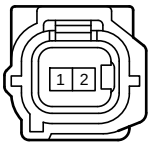


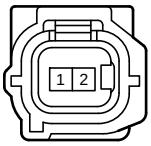
V 5
Black



a 1
Black



a 2
Black



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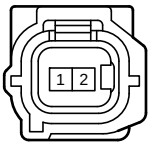

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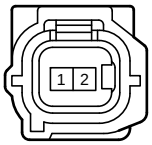

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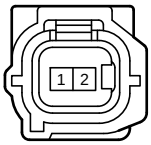

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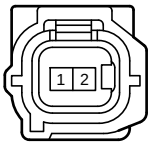

a 7
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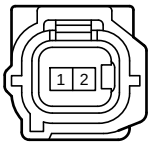

a 8
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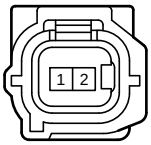

z 54
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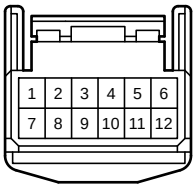

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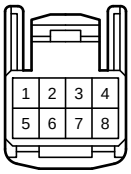

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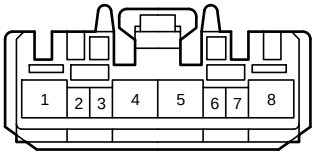

1B
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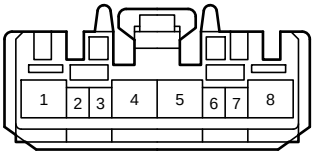
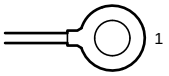


1F



2B
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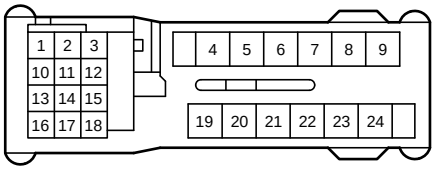
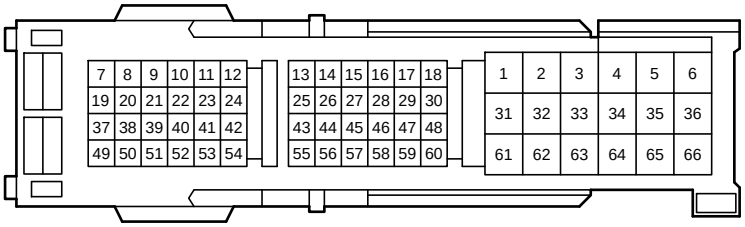
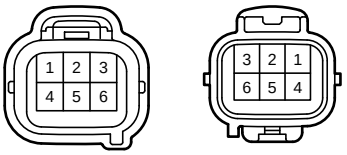


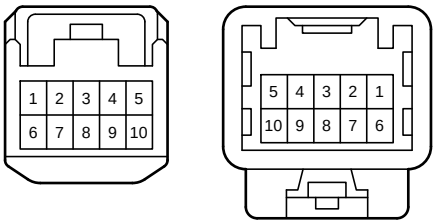
2D
White



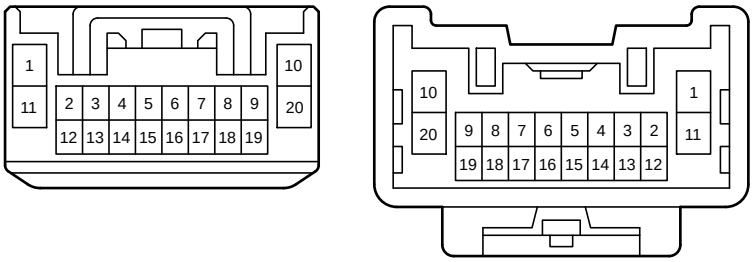
AD1
Black



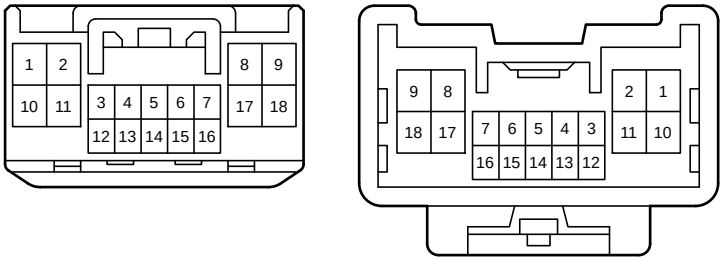
AE3
Gray



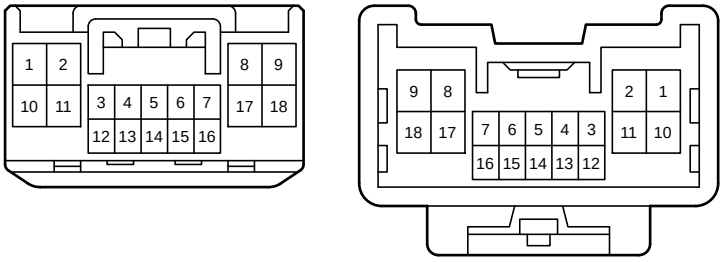
AK1
Blue



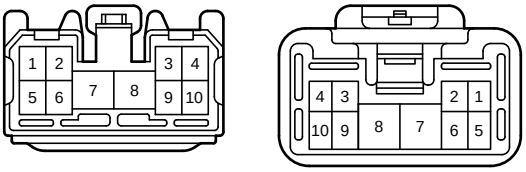
AK2
Gray

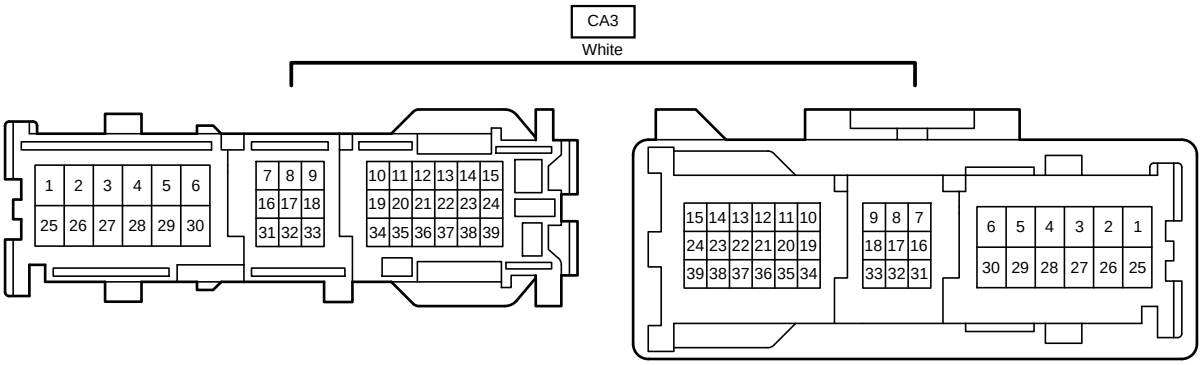


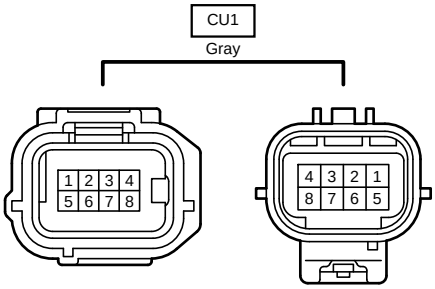
CA1
White

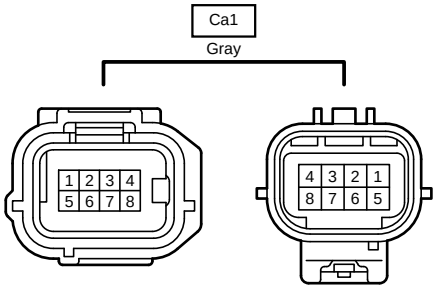


CA2
White




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


CU1
Gray
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5


Ca1
Gray
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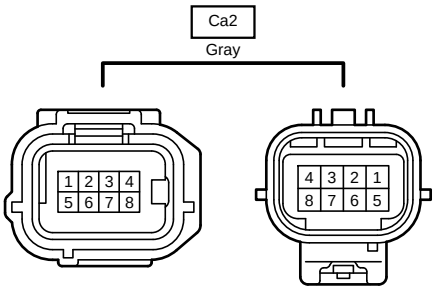
4 3 2 1
8 7 6 5


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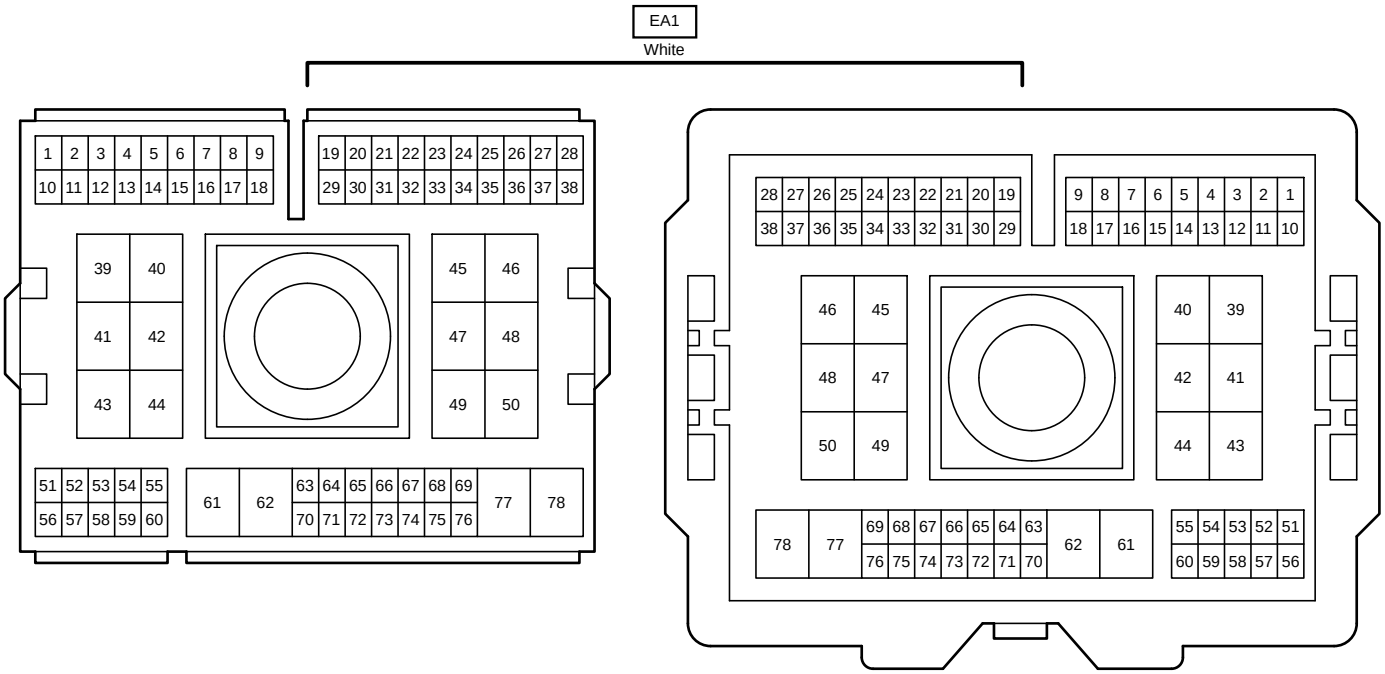
5 6 7 8
4 3 2 1
8 7 6 5


EA1
White
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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
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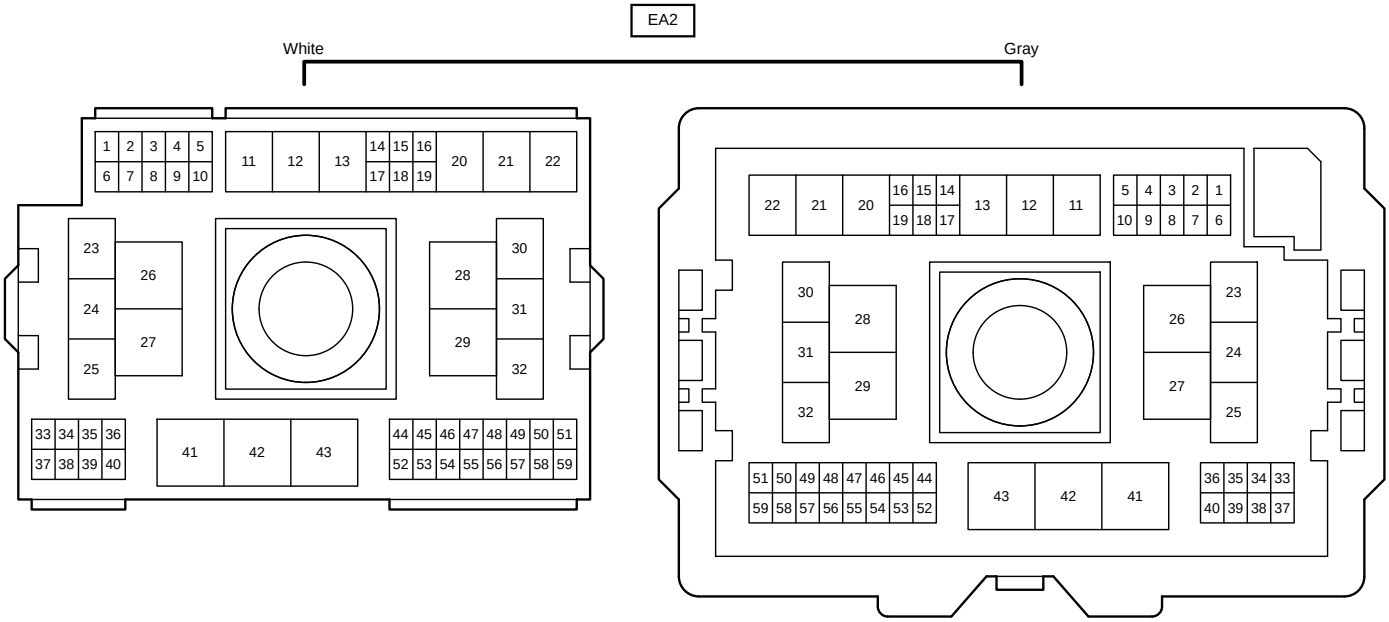
EA2
White
Gray
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11 12 13
14 15 16
17 18 19
20 21 22
23 26
24 27
25
28 30
29 31
32
33 34 35 36
37 38 39 40
41 42 43
44 45 46 47 48 49 50 51
52 53 54 55 56 57 58 59
22 21 20
16 15 14
19 18 17
13 12 11
5 4 3 2 1
10 9 8 7 6
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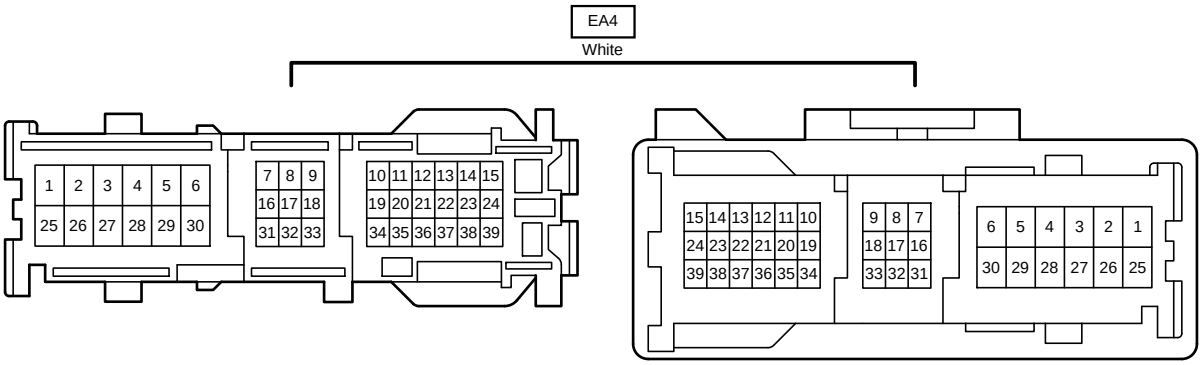
EA4
White
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16 17 18
31 32 33
10 11 12 13 14 15
19 20 21 22 23 24
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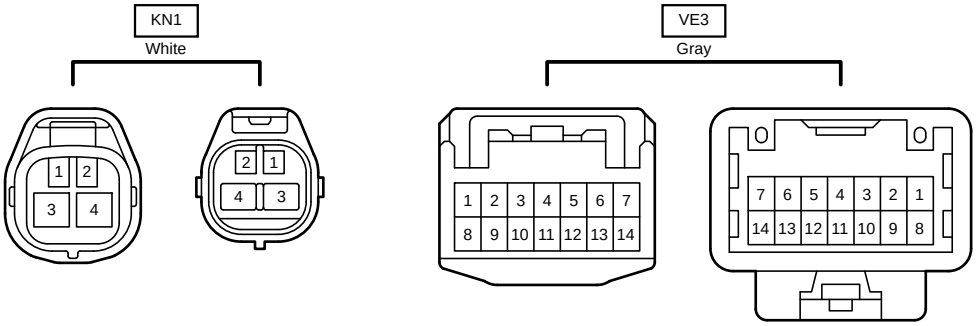
24 23 22 21 20 19
39 38 37 36 35 34
9 8 7
18 17 16
33 32 31
6 5 4 3 2 1
30 29 28 27 26 25


KN1
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3 4
2 1
4 3
VE3
Gray
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8 9 10 11 12 13 14
7 6 5 4 3 2 1
14 13 12 11 10 9 8