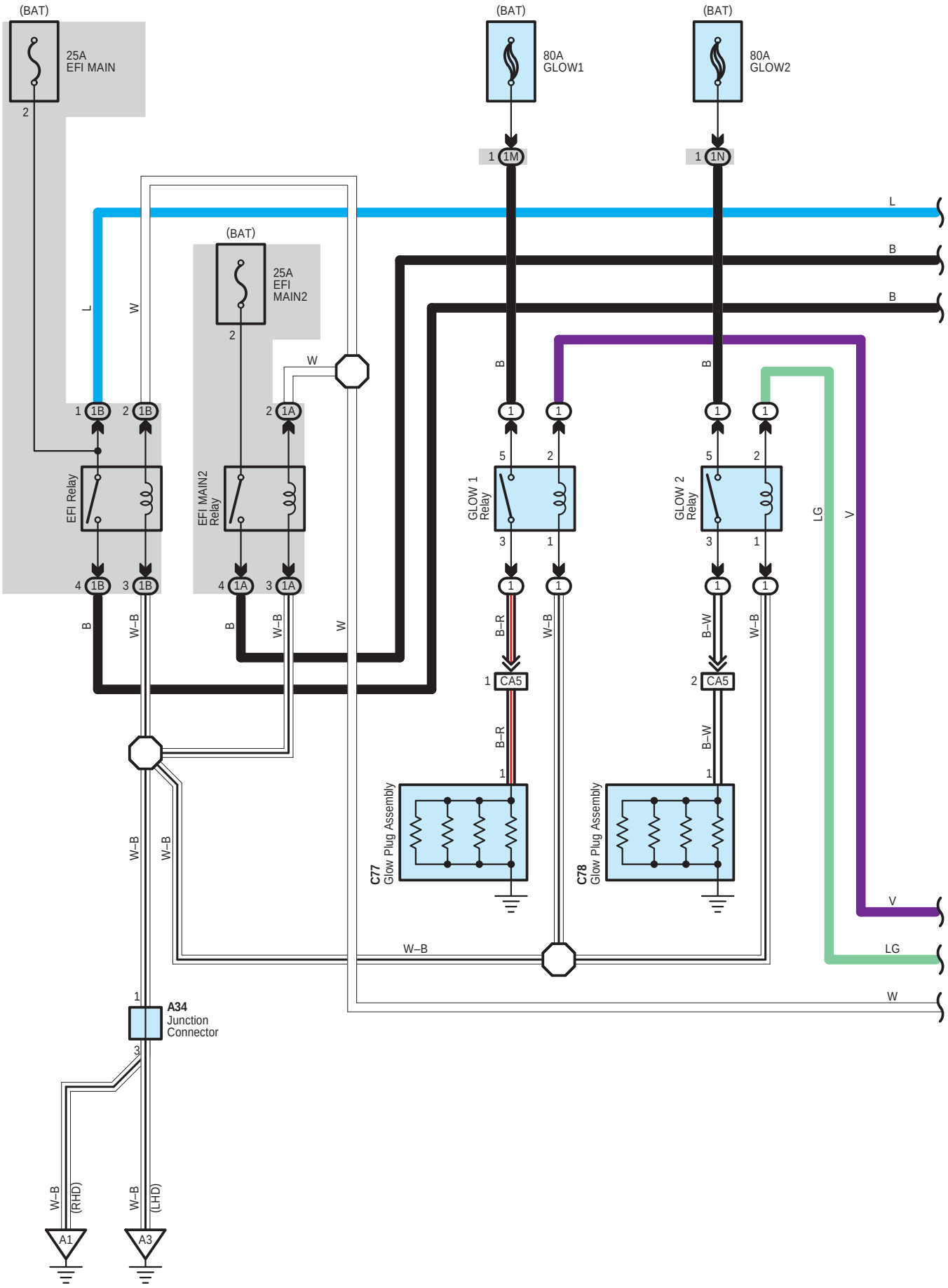
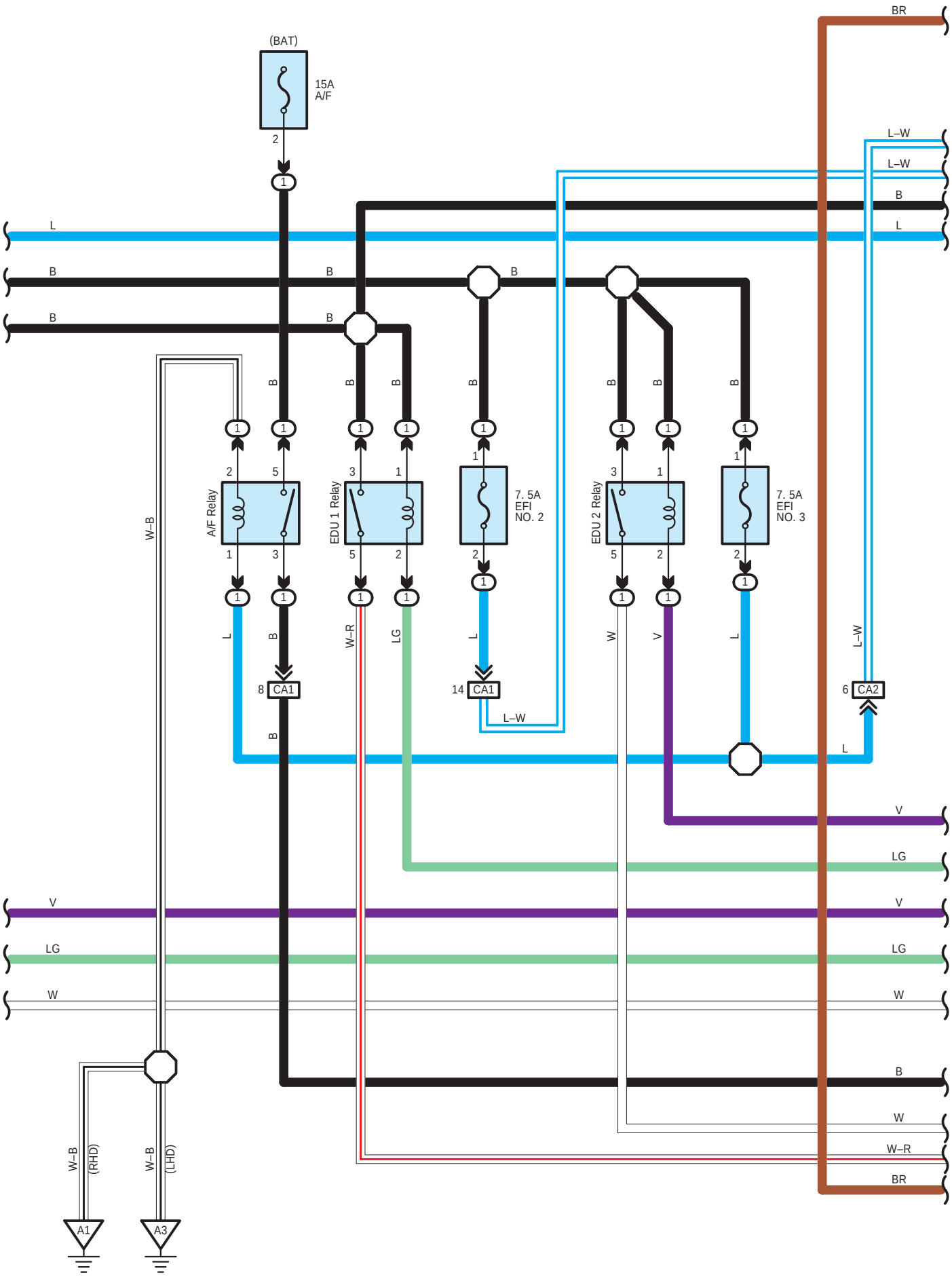
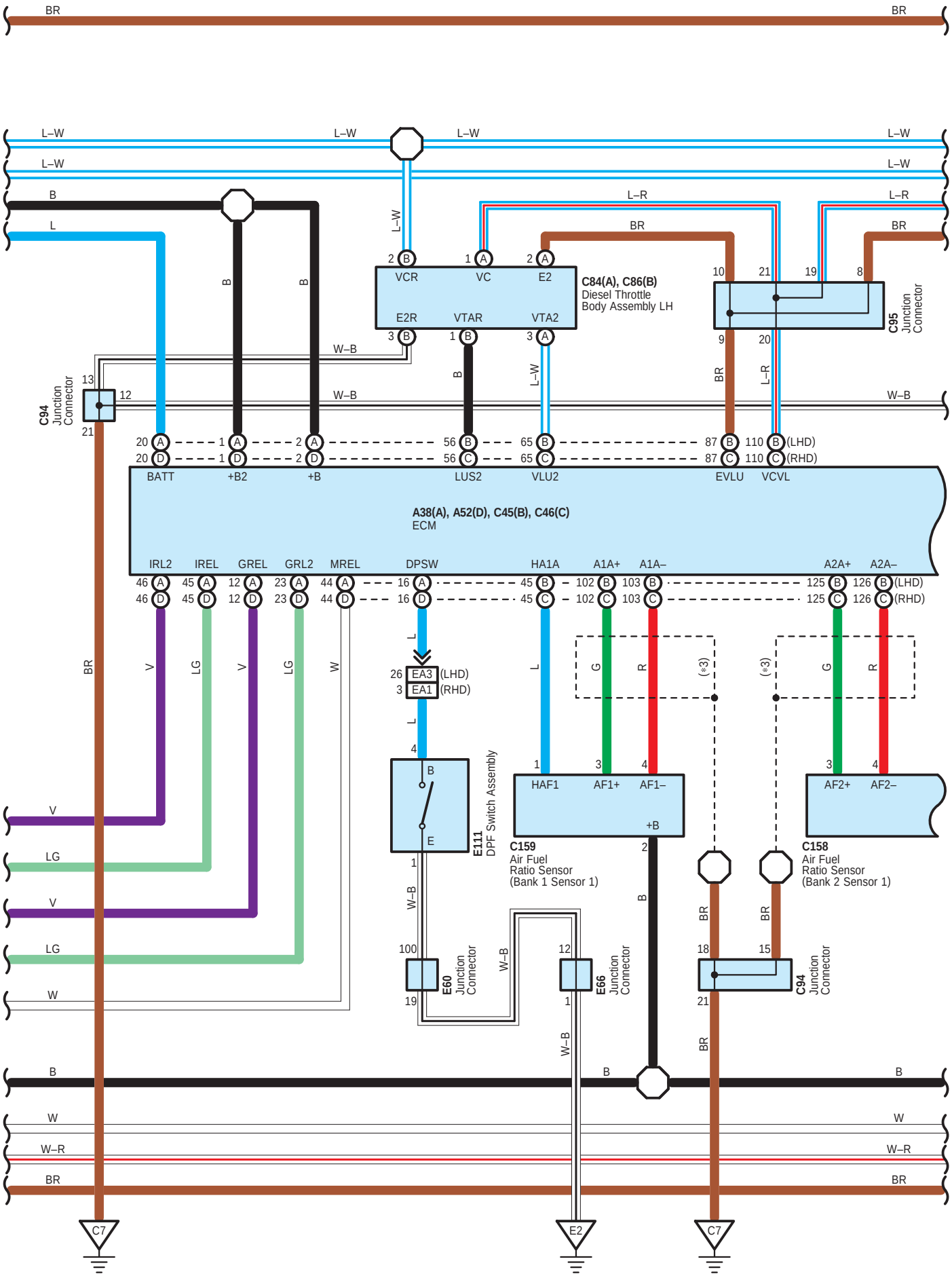
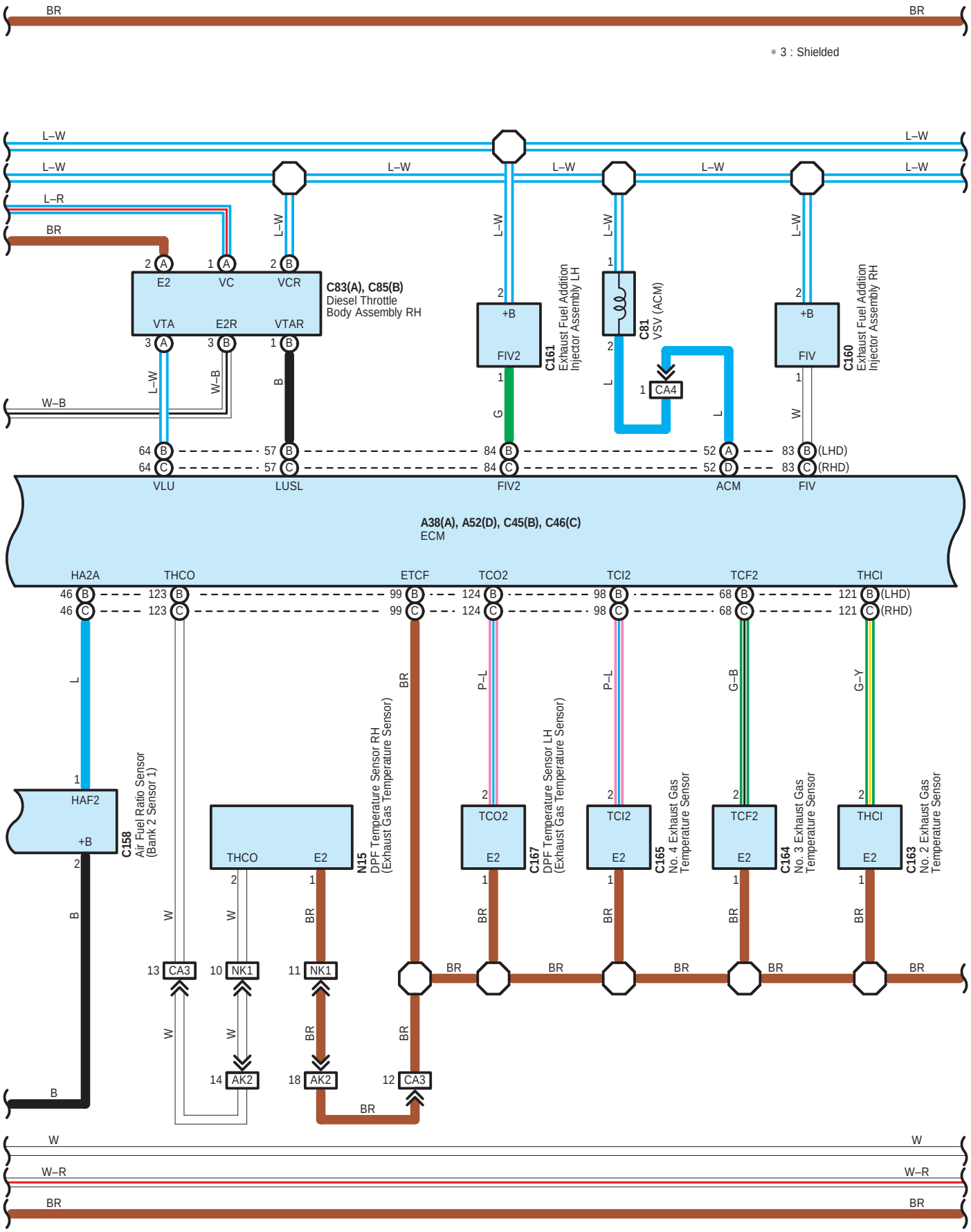
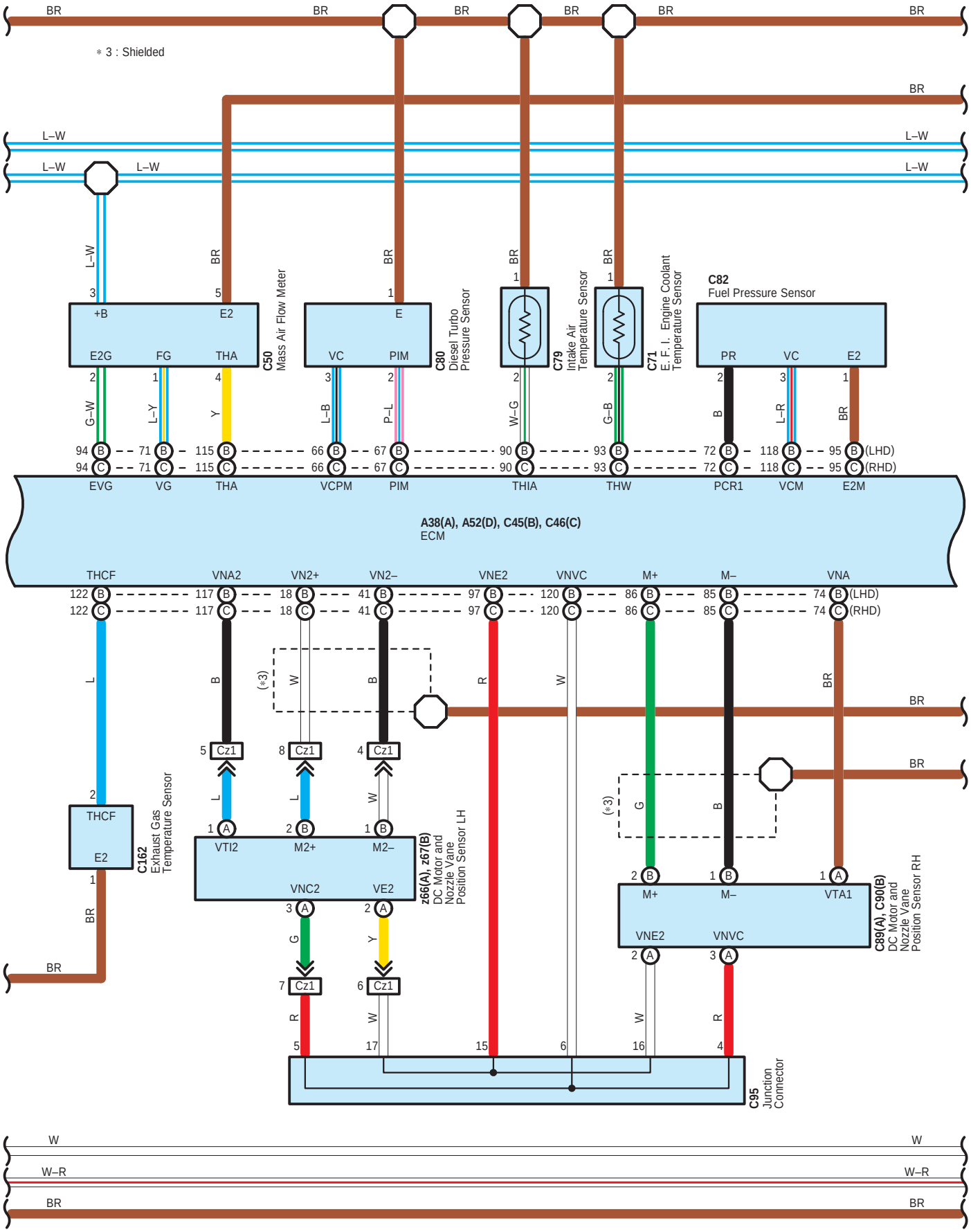
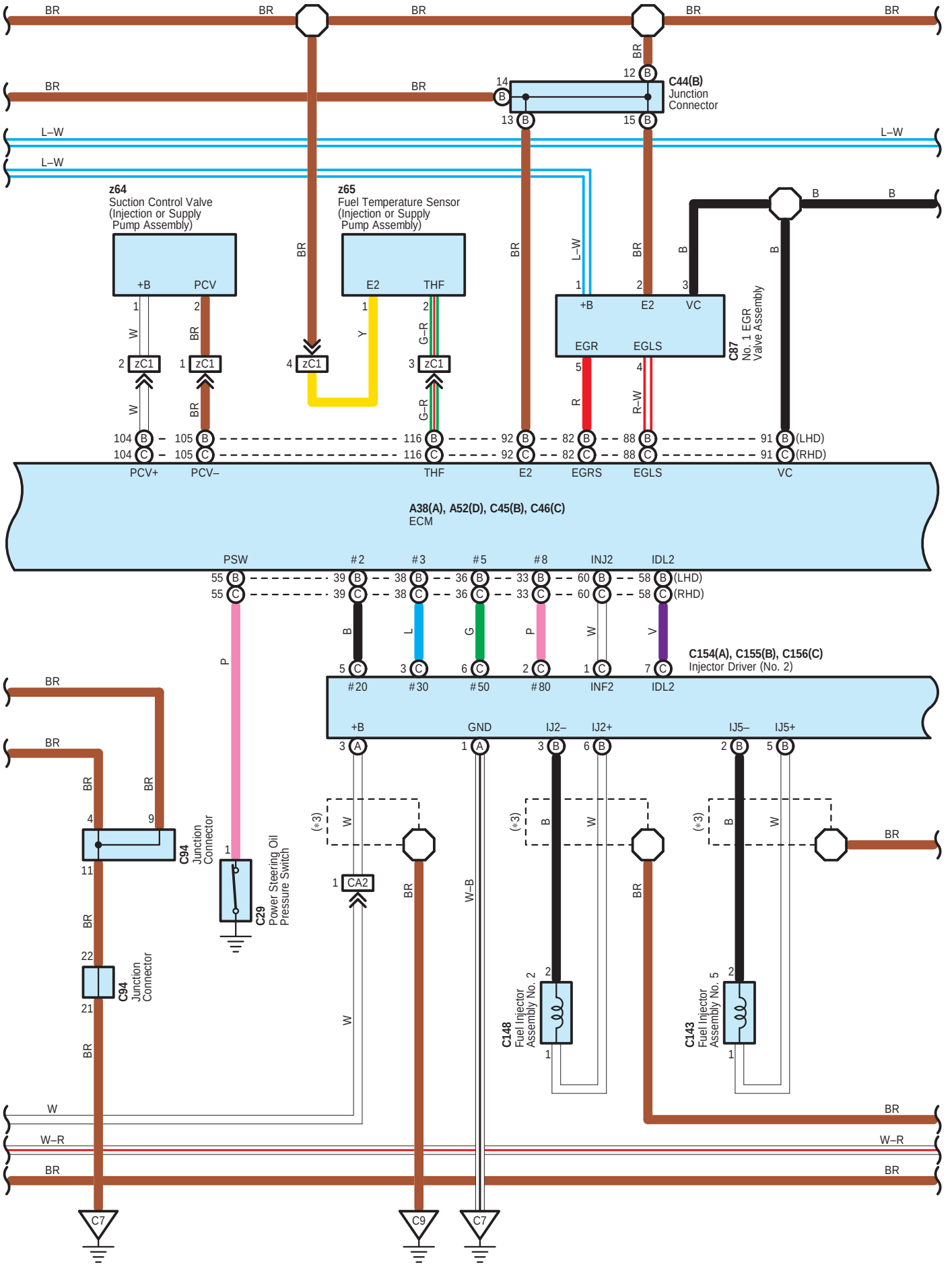

(BAT)
25A
EFI MAIN
2
(BAT)
80A
GLOW1
(BAT)
80A
GLOW2
1 1M
1 1N
L
B
B
(BAT)
25A
EFI
MAIN2
2
L
W
W
1 1B
2 1B
2 1A
EFI Relay
EFI MAIN2
Relay
4 1B
3 1B
4 1A
3 1A
B
W–B
B
W–B
W
B
B
1
1
5
2
GLOW 1
Relay
3
1
GLOW 2
Relay
B–R
W–B
B–W
W–B
1 CA5
2 CA5
B–R
B–W
1
1
C77
Glow Plug Assembly
C78
Glow Plug Assembly
LG
V
V
LG
W–B
W–B
W–B
W
1
A34
Junction
Connector
3
W–B
(RHD)
W–B
(LHD)
A1
A3

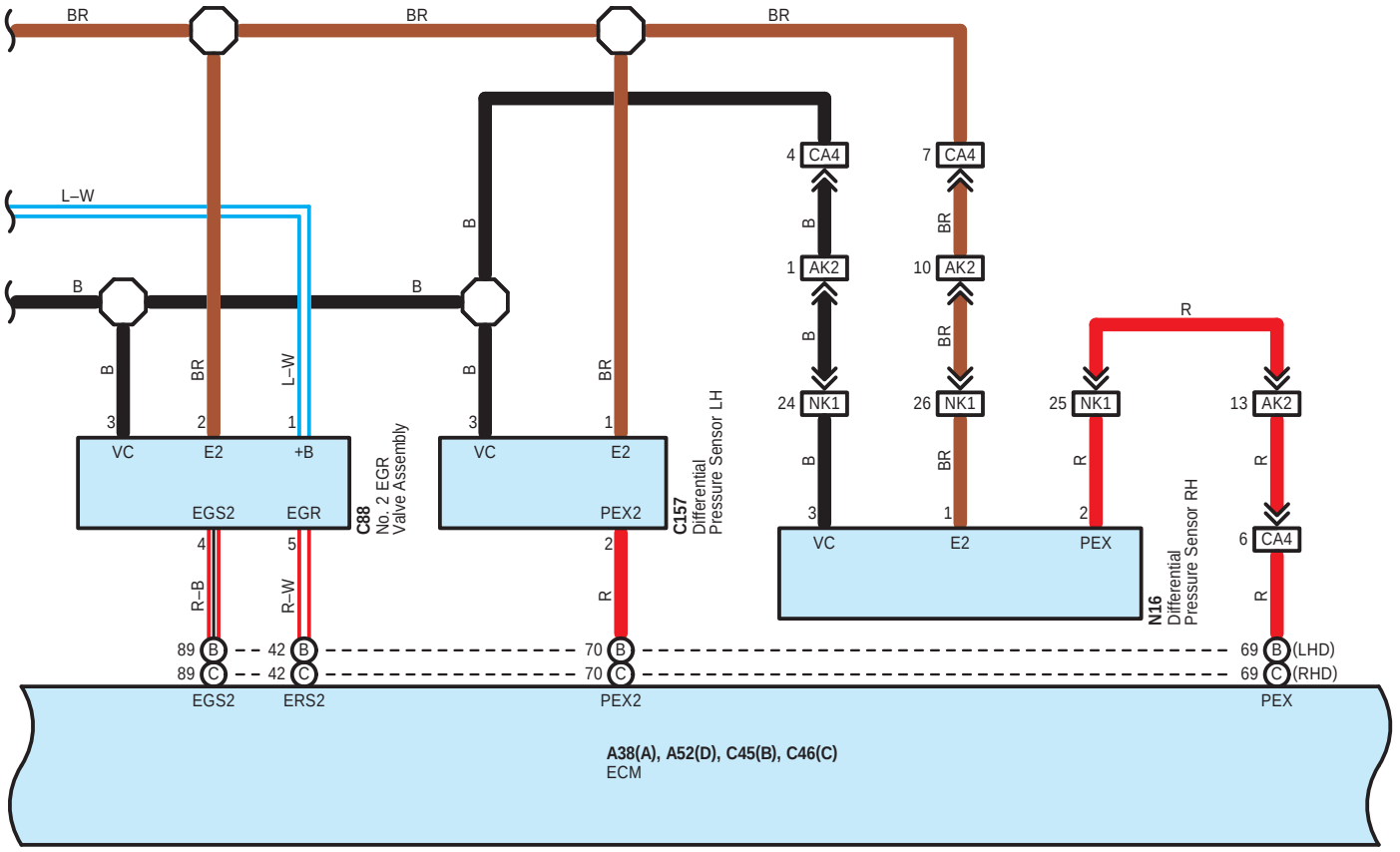

(BAT)
15A
A/F
2
1
BR
L–W
L–W
B
L
L
B
B
B

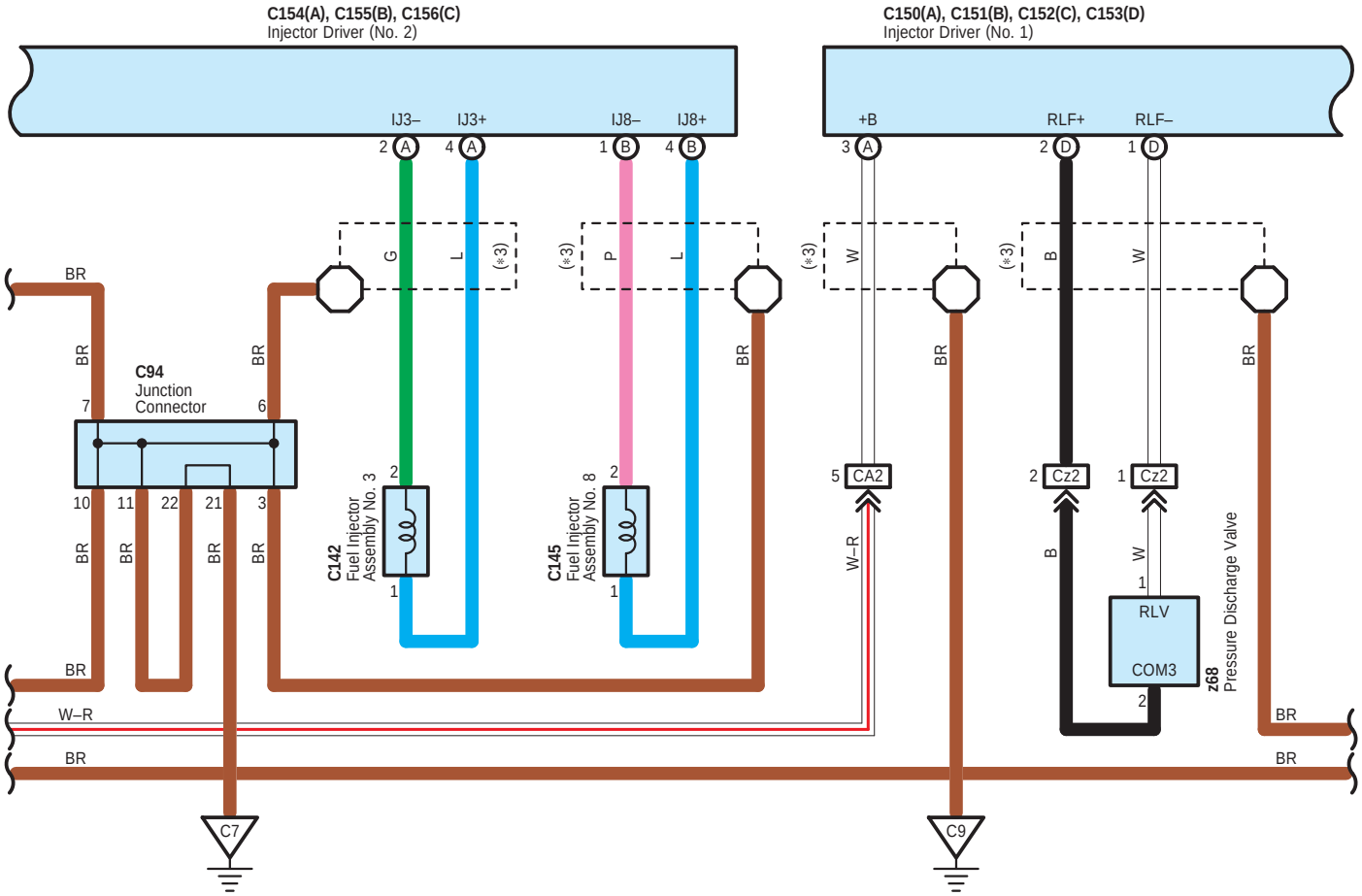

BR
L–W
B
L
L–R
W–B
C84(A), C86(B)
Diesel Throttle
Body Assembly LH
VCR
VC
E2
E2R
VTAR
VTA2
C95
Junction
Connector
C94
Junction
Connector
BATT
+B2
+B
LUS2
VLU2
EVLU
VCVL
(LHD)
(RHD)
A38(A), A52(D), C45(B), C46(C)
ECM
IRL2
IREL
GREL
GRL2
MREL
DPSW
HA1A
A1A+
A1A–
A2A+
A2A–
EA3
EA1
E111
DPF Switch Assembly
C159
Air Fuel
Ratio Sensor
(Bank 1 Sensor 1)
HAF1
AF1+
AF1–
+B
C158
Air Fuel
Ratio Sensor
(Bank 2 Sensor 1)
AF2+
AF2–
(*3)
E60
Junction
Connector
E66
Junction
Connector
V
LG
W
W–R
C7
E2

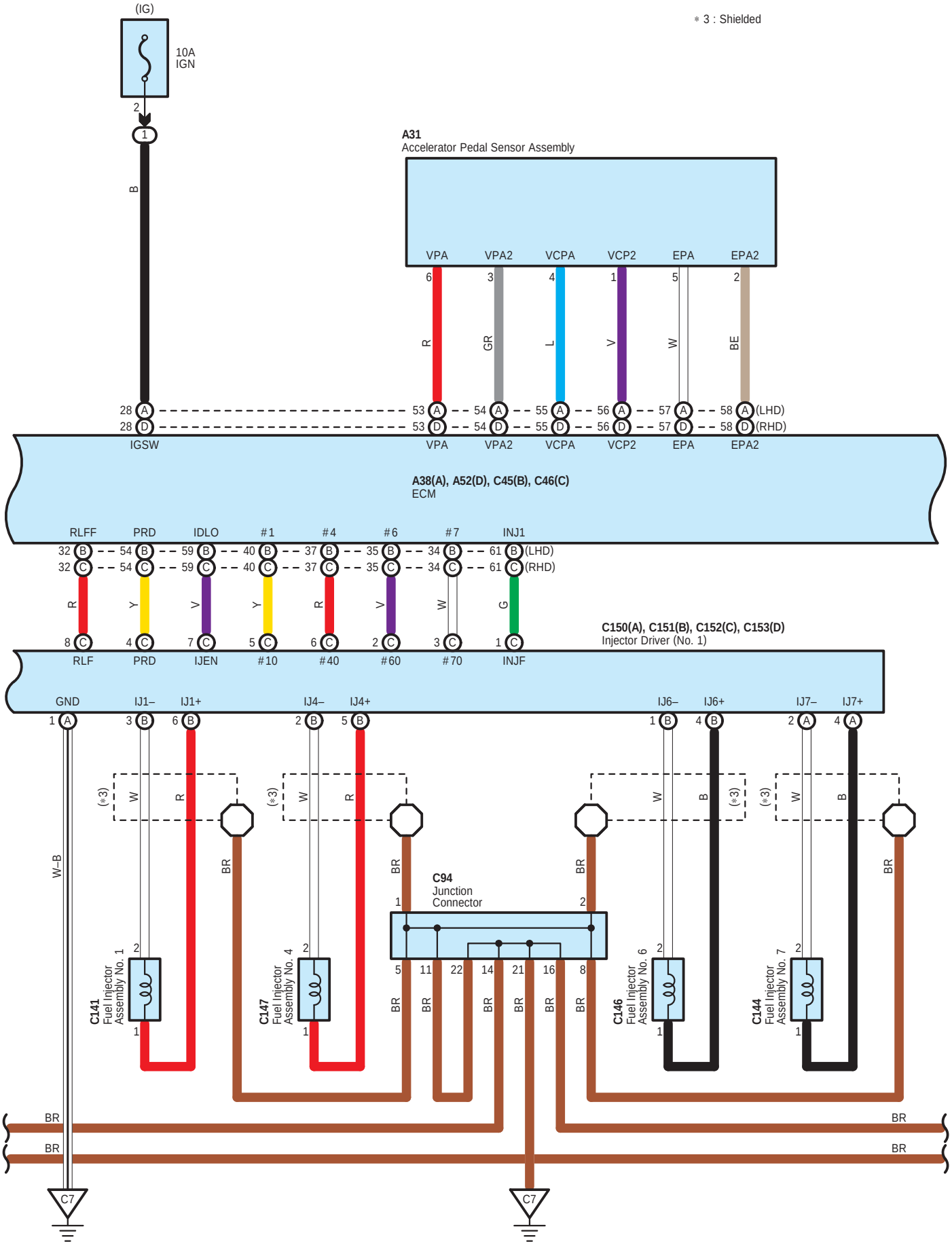

BR
BR
* 3 : Shielded
L–W
L–R
W–B
C83(A), C85(B)
Diesel Throttle Body Assembly RH
E2
VC
VCR
VTA
E2R
VTAR
C161
Exhaust Fuel Addition Injector Assembly LH
+B
FIV2
C81
VSV (ACM)
CA4
C160
Exhaust Fuel Addition Injector Assembly RH
FIV
VLU
LUSL
ACM
(LHD)
(RHD)
A38(A), A52(D), C45(B), C46(C)
ECM
HA2A
THCO
ETCF
TCO2
TCI2
TCF2
THCI
C158
Air Fuel Ratio Sensor (Bank 2 Sensor 1)
HAF2
N15
DPF Temperature Sensor RH (Exhaust Gas Temperature Sensor)
C167
DPF Temperature Sensor LH (Exhaust Gas Temperature Sensor)
C165
No. 4 Exhaust Gas Temperature Sensor
C164
No. 3 Exhaust Gas Temperature Sensor
C163
No. 2 Exhaust Gas Temperature Sensor
CA3
NK1
AK2
W
W–R
BR

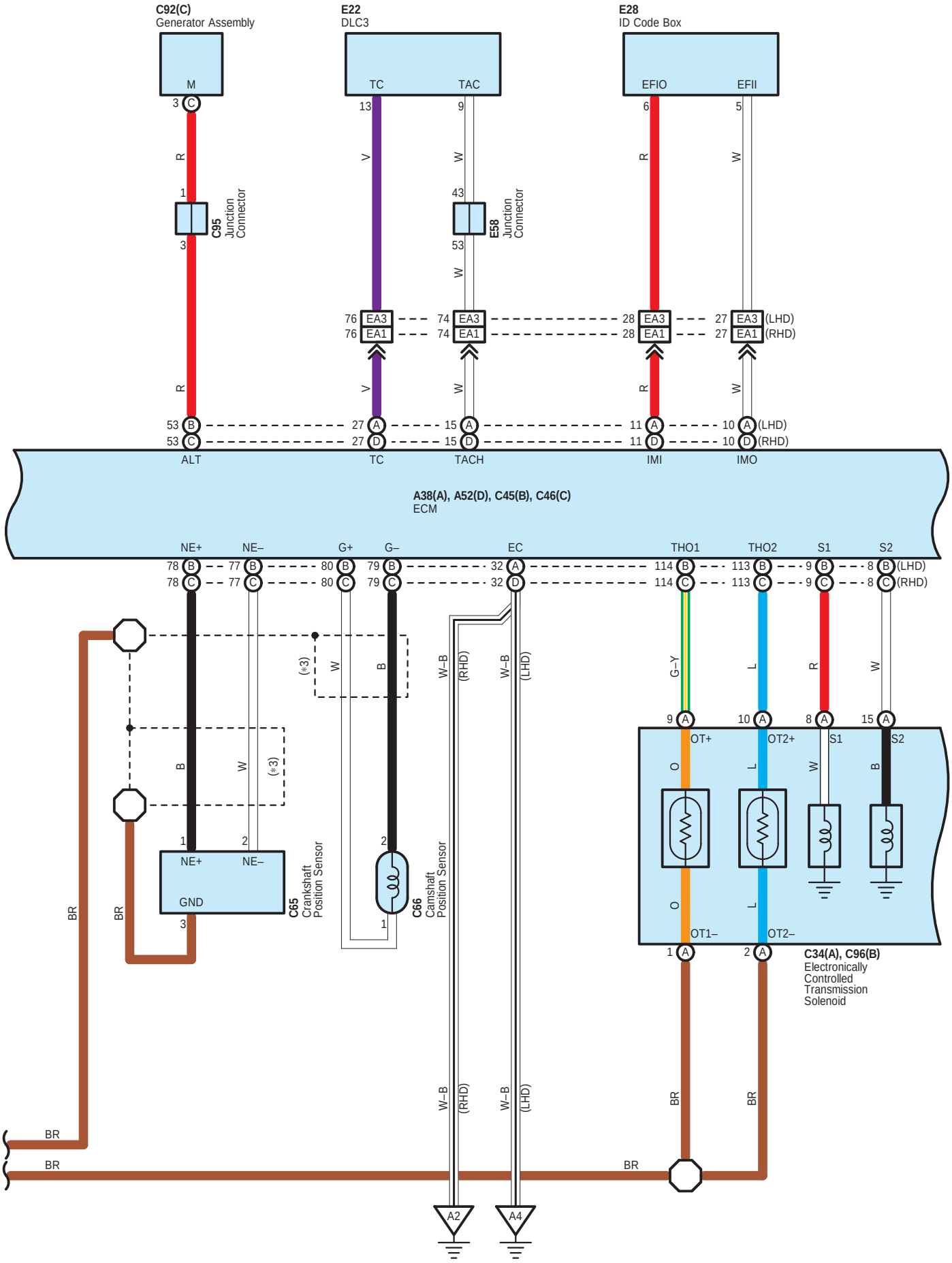

* 3 : Shielded
C50 Mass Air Flow Meter
C80 Diesel Turbo Pressure Sensor
C79 Intake Air Temperature Sensor
C71 E. F. I. Engine Coolant Temperature Sensor
C82 Fuel Pressure Sensor
A38(A), A52(D), C45(B), C46(C) ECM
C162 Exhaust Gas Temperature Sensor
z66(A), z67(B) DC Motor and Nozzle Vane Position Sensor LH
C89(A), C90(B) DC Motor and Nozzle Vane Position Sensor RH
C95 Junction Connector

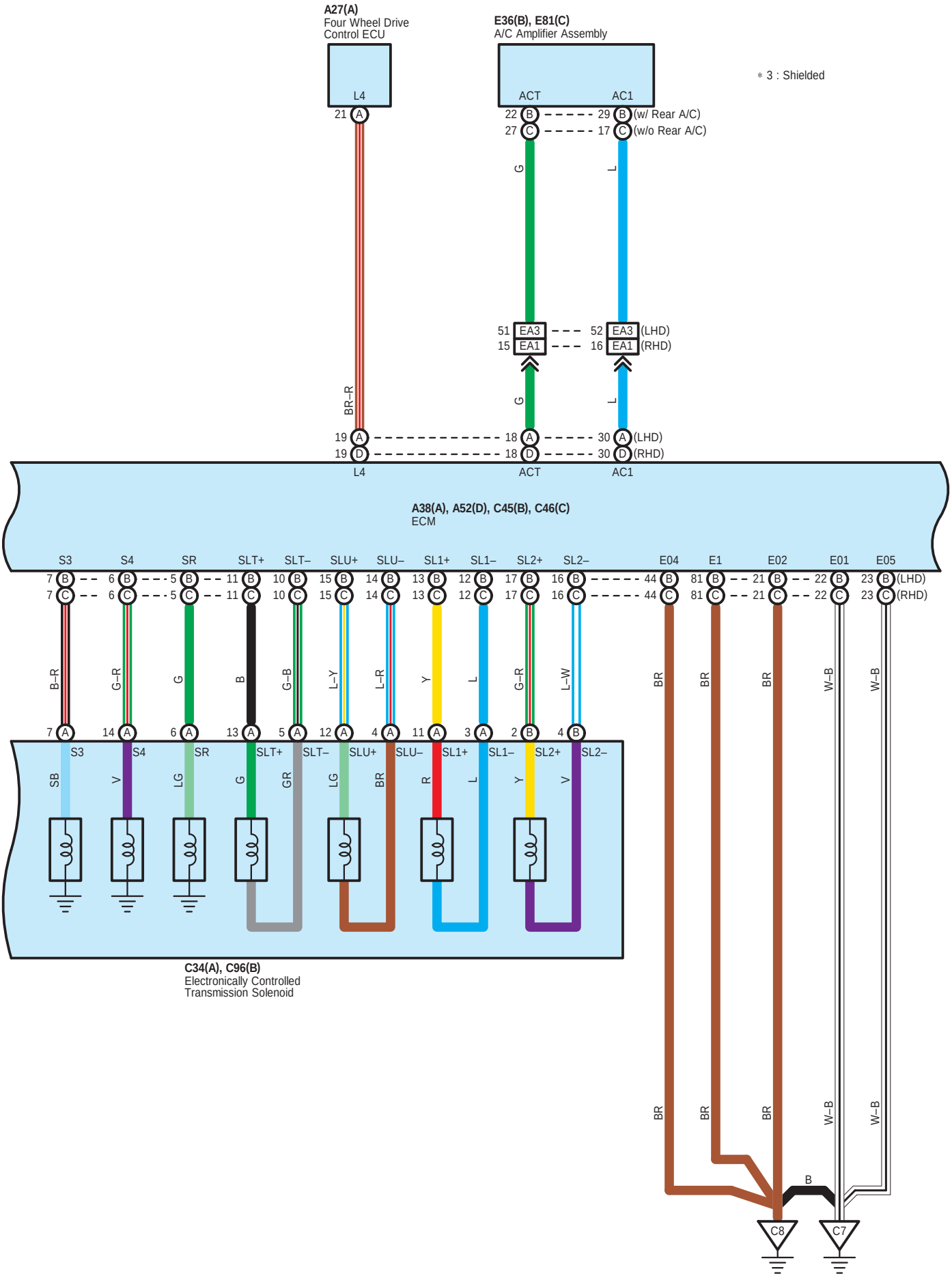

z64
Suction Control Valve (Injection or Supply Pump Assembly)
+B
PCV
z65
Fuel Temperature Sensor (Injection or Supply Pump Assembly)
E2
THF
C44(B)
Junction Connector
C87
No. 1 EGR Valve Assembly
+B
E2
VC
EGR
EGLS
A38(A), A52(D), C45(B), C46(C)
ECM
PCV+
PCV–
THF
E2
EGRS
EGLS
VC
(LHD)
(RHD)
PSW
#2
#3
#5
#8
INJ2
IDL2
C154(A), C155(B), C156(C)
Injector Driver (No. 2)
#20
#30
#50
#80
INF2
IDL2
+B
GND
IJ2–
IJ2+
IJ5–
IJ5+
C94
Junction Connector
C29
Power Steering Oil Pressure Switch
CA2
C148
Fuel Injector Assembly No. 2
C143
Fuel Injector Assembly No. 5
C7
C9
C7

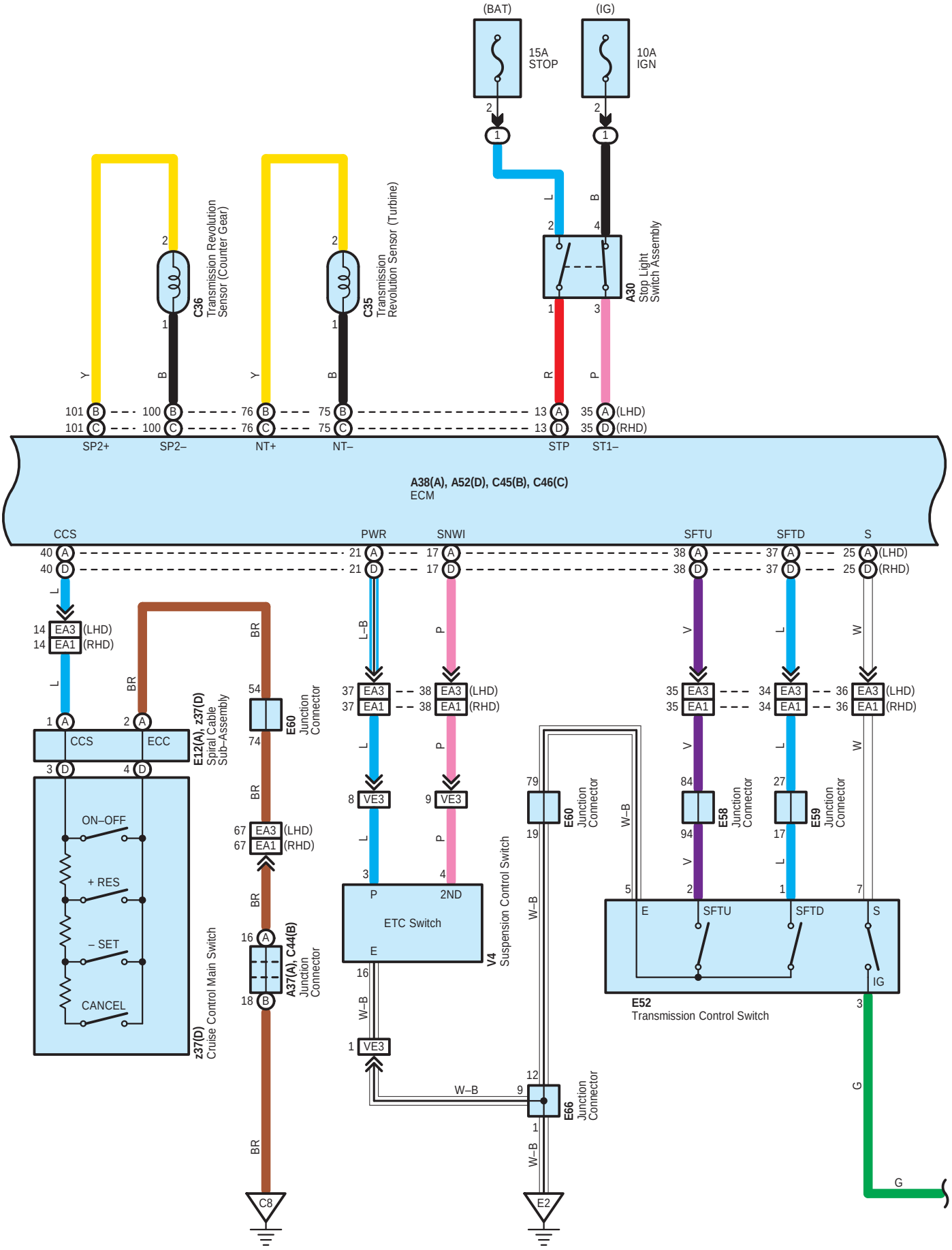

BR
L–W
B
4 CA4
7 CA4
1 AK2
10 AK2
24 NK1
26 NK1
25 NK1
13 AK2
6 CA4
VC
E2
+B
EGS2
EGR
PEX2
PEX
C88 No. 2 EGR Valve Assembly
C157 Differential Pressure Sensor LH
N16 Differential Pressure Sensor RH
R–B
R–W
89 B
89 C
42 B
42 C
70 B
70 C
69 B (LHD)
69 C (RHD)
ERS2
A38(A), A52(D), C45(B), C46(C)
ECM

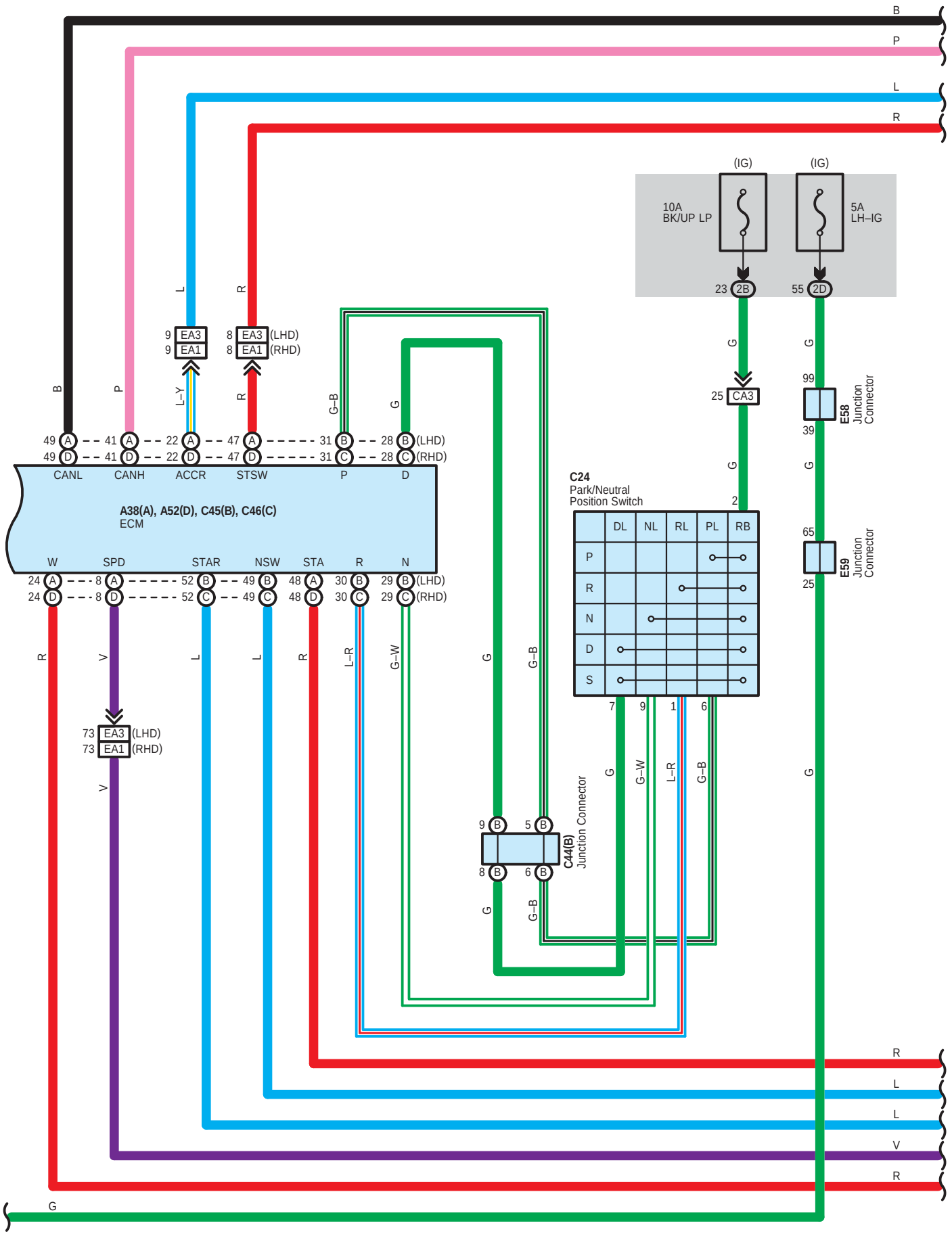

C154(A), C155(B), C156(C)
Injector Driver (No. 2)
C150(A), C151(B), C152(C), C153(D)
Injector Driver (No. 1)
IJ3–
IJ3+
IJ8–
IJ8+
+B
RLF+
RLF–
G
L
P
W
(*3)
C94 Junction Connector
C142 Fuel Injector Assembly No. 3
C145 Fuel Injector Assembly No. 8
5 CA2
2 Cz2
1 Cz2
W–R
RLV
COM3
z68 Pressure Discharge Valve
C7
C9

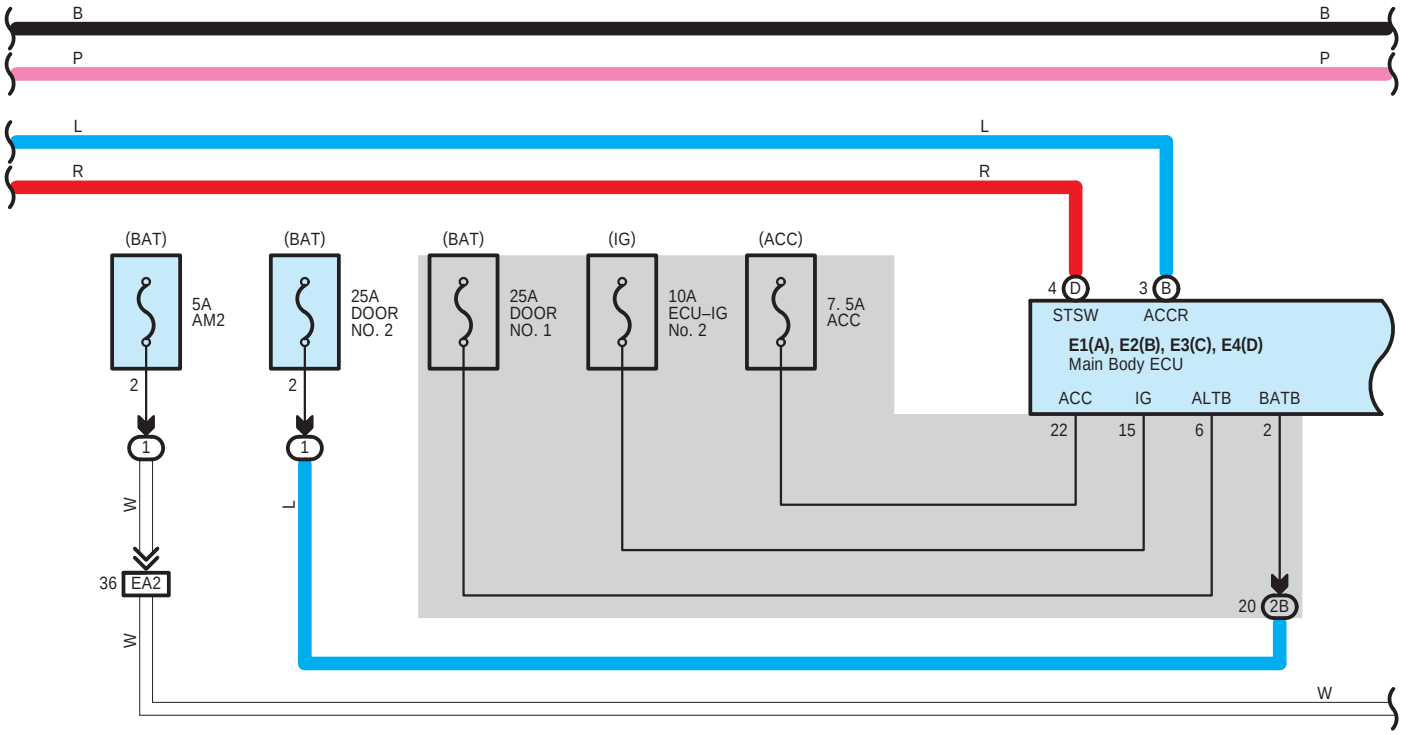

(IG)
10A
IGN
2
1
B
＊3 : Shielded
A31
Accelerator Pedal Sensor Assembly
VPA
VPA2
VCPA
VCP2
EPA
EPA2
6
3
4
1
5
2
R
GR
L
V
W
BE
28 A
28 D
53 A
53 D
54 A
54 D
55 A
55 D
56 A
56 D
57 A
57 D
58 A (LHD)
58 D (RHD)
IGSW
VPA
VPA2
VCPA
VCP2
EPA
EPA2
A38(A), A52(D), C45(B), C46(C)
ECM
RLFF
PRD
IDLO
#1
#4
#6
#7
INJ1
32 B
32 C
54 B
54 C
59 B
59 C
40 B
40 C
37 B
37 C
35 B
35 C
34 B
34 C
61 B (LHD)
61 C (RHD)
R
Y
V
Y
R
V
W
G
8 C
4 C
7 C
5 C
6 C
2 C
3 C
1 C
RLF
PRD
IJEN
#10
#40
#60
#70
INJF
C150(A), C151(B), C152(C), C153(D)
Injector Driver (No. 1)
GND
IJ1–
IJ1+
IJ4–
IJ4+
IJ6–
IJ6+
IJ7–
IJ7+
1 A
3 B
6 B
2 B
5 B
1 B
4 B
2 A
4 A
(＊3)
W
R
B
W–B
BR
C94
Junction
Connector
1
2
5
11
22
14
21
16
8
C141
Fuel Injector
Assembly No. 1
C147
Fuel Injector
Assembly No. 4
C146
Fuel Injector
Assembly No. 6
C144
Fuel Injector
Assembly No. 7
C7
C7

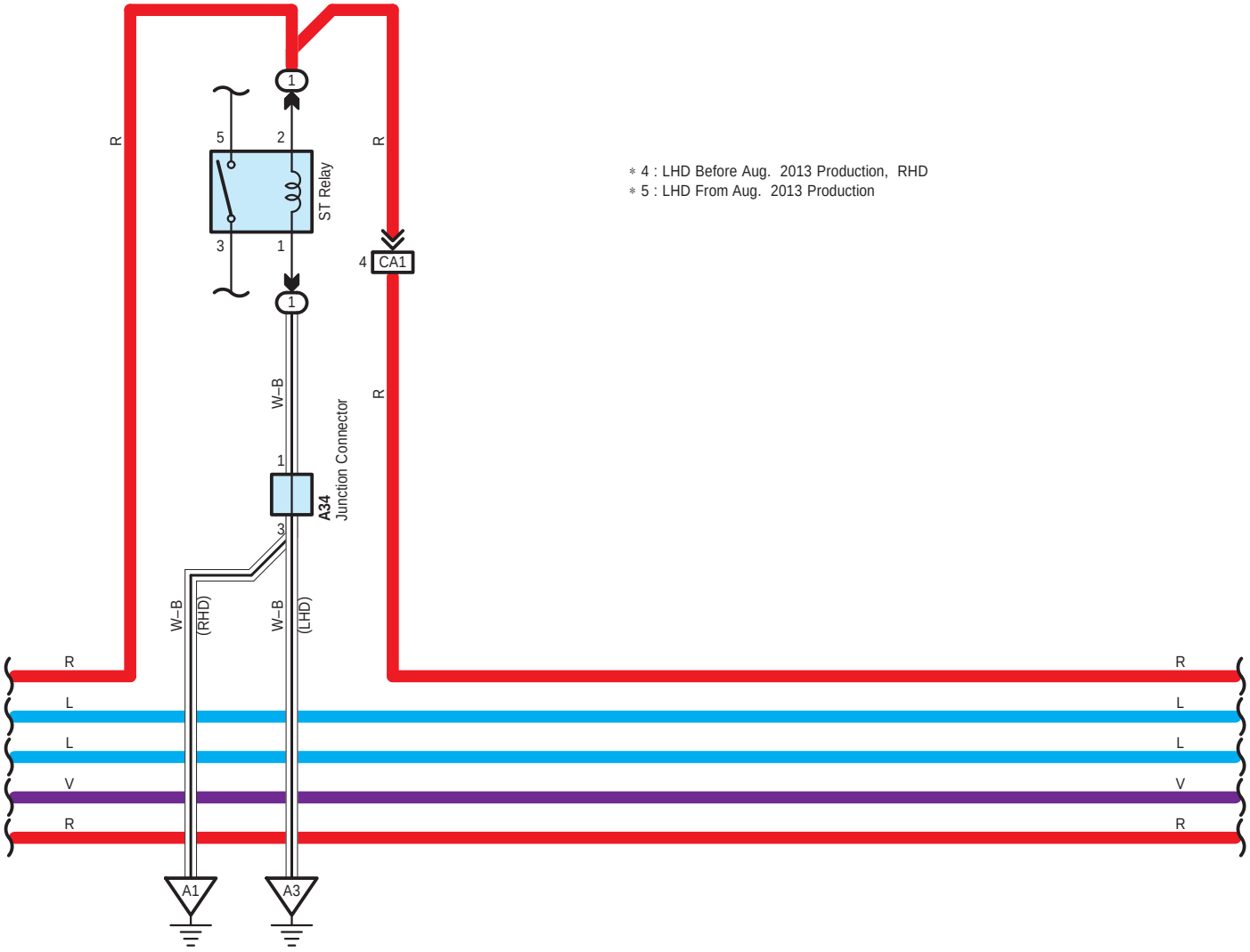

C92(C)
Generator Assembly
E22
DLC3
E28
ID Code Box
M
TC
TAC
EFIO
EFII
C95 Junction Connector
E58 Junction Connector
EA3
EA1
(LHD)
(RHD)
ALT
TC
TACH
IMI
IMO
A38(A), A52(D), C45(B), C46(C)
ECM
NE+
NE–
G+
G–
EC
THO1
THO2
S1
S2
(*3)
C65 Crankshaft Position Sensor
C66 Camshaft Position Sensor
GND
OT+
OT2+
OT1–
OT2–
C34(A), C96(B)
Electronically Controlled Transmission Solenoid
A2
A4
BR
W–B
G–Y
L
R
W
B
O


A27(A)
Four Wheel Drive Control ECU
L4
21 A
E36(B), E81(C)
A/C Amplifier Assembly
ACT
AC1
* 3 : Shielded
22 B
27 C
29 B (w/ Rear A/C)
17 C (w/o Rear A/C)
G
L
51 EA3
15 EA1
52 EA3 (LHD)
16 EA1 (RHD)
BR–R
19 A
19 D
18 A
18 D
30 A (LHD)
30 D (RHD)
A38(A), A52(D), C45(B), C46(C)
ECM
S3 S4 SR SLT+ SLT– SLU+ SLU– SL1+ SL1– SL2+ SL2–
E04 E1 E02 E01 E05
7 B
7 C
6 B
6 C
5 B
5 C
11 B
11 C
10 B
10 C
15 B
15 C
14 B
14 C
13 B
13 C
12 B
12 C
17 B
17 C
16 B
16 C
44 B
44 C
81 B
81 C
21 B
21 C
22 B
22 C
23 B (LHD)
23 C (RHD)
B–R
G–R
G
B
G–B
L–Y
L–R
Y
L
G–R
L–W
BR
W–B
7 A
14 A
6 A
13 A
5 A
12 A
4 A
11 A
3 A
2 B
4 B
SB
V
LG
G
GR
LG
BR
R
L
Y
V
B
C8
C7
C34(A), C96(B)
Electronically Controlled Transmission Solenoid

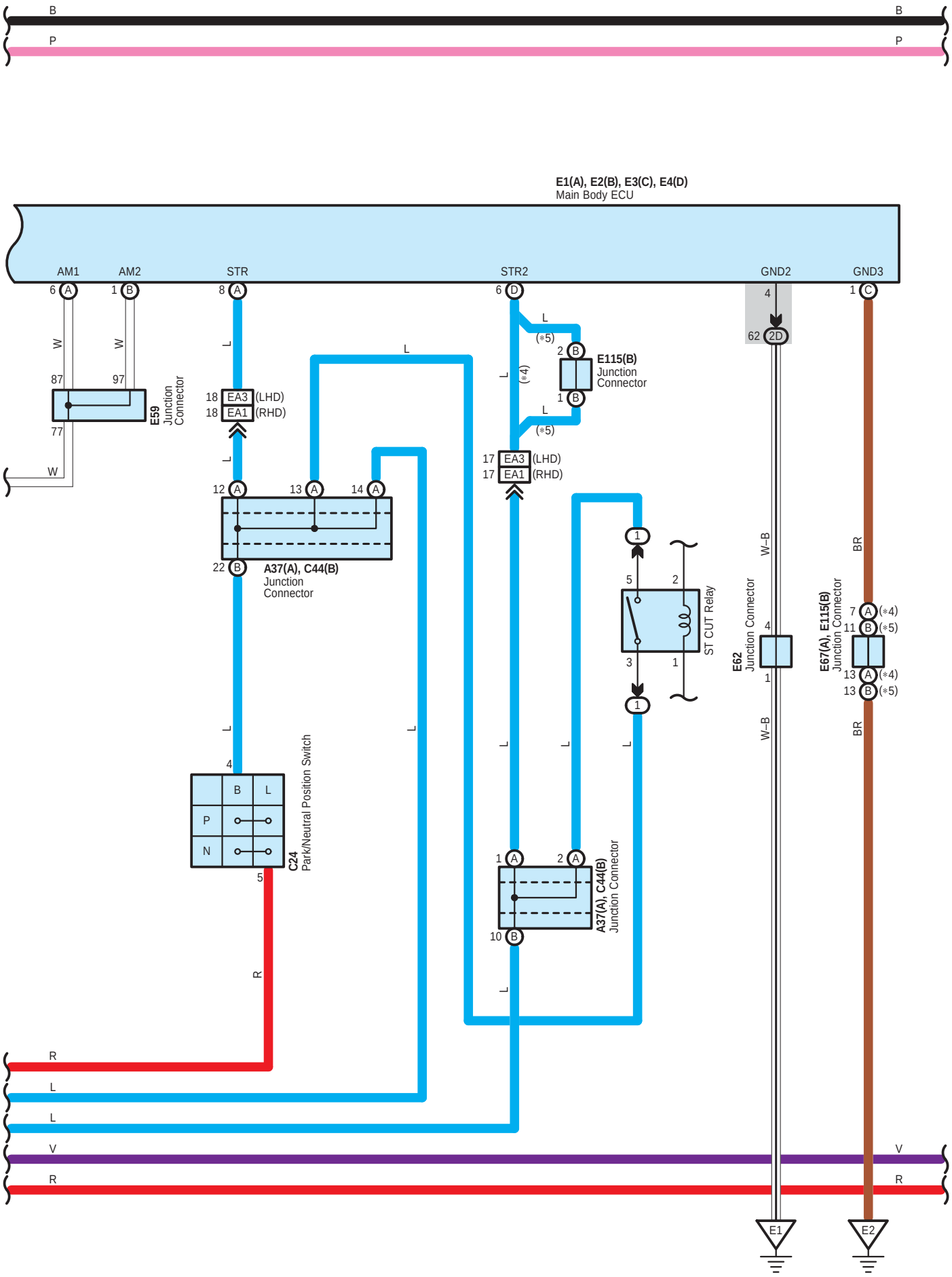

(BAT)
(IG)
15A STOP
10A IGN
C36 Transmission Revolution Sensor (Counter Gear)
C35 Transmission Revolution Sensor (Turbine)
A30 Stop Light Switch Assembly
SP2+
SP2–
NT+
NT–
STP
ST1–
A38(A), A52(D), C45(B), C46(C) ECM
CCS
PWR
SNWI
SFTU
SFTD
S
E12(A), z37(D) Spiral Cable Sub-Assembly
E60 Junction Connector
z37(D) Cruise Control Main Switch
ON–OFF
+ RES
– SET
CANCEL
A37(A), C44(B) Junction Connector
ETC Switch
V4 Suspension Control Switch
E58 Junction Connector
E59 Junction Connector
E52 Transmission Control Switch
E66 Junction Connector
C8
E2

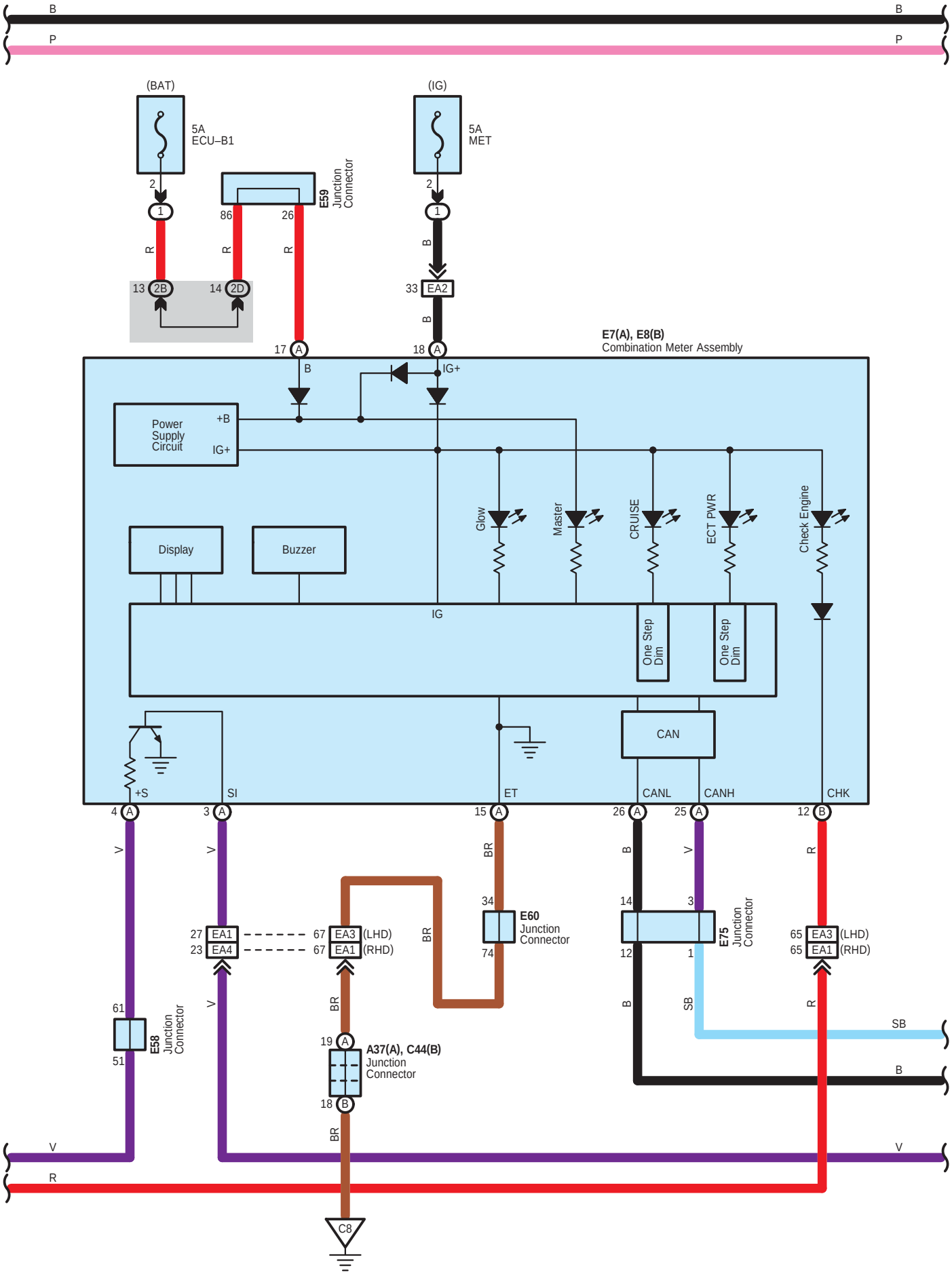

B
P
L
R
(IG)
(IG)
10A
BK/UP LP
5A
LH–IG
23 2B
55 2D
G
25 CA3
99
E58
Junction
Connector
39
65
E59
Junction
Connector
25
C24
Park/Neutral
Position Switch
DL
NL
RL
PL
RB
P
R
N
D
S
7
9
1
6
2
9 EA3
9 EA1
8 EA3 (LHD)
8 EA1 (RHD)
L–Y
G–B
49 A
49 D
41 A
41 D
22 A
22 D
47 A
47 D
31 B
31 C
28 B (LHD)
28 C (RHD)
CANL
CANH
ACCR
STSW
P
D
A38(A), A52(D), C45(B), C46(C)
ECM
W
SPD
STAR
NSW
STA
R
N
24 A
24 D
8 A
8 D
52 B
52 C
49 B
49 C
48 A
48 D
30 B
30 C
29 B (LHD)
29 C (RHD)
73 EA3 (LHD)
73 EA1 (RHD)
V
G–W
L–R
9 B
5 B
8 B
6 B
C44(B)
Junction Connector

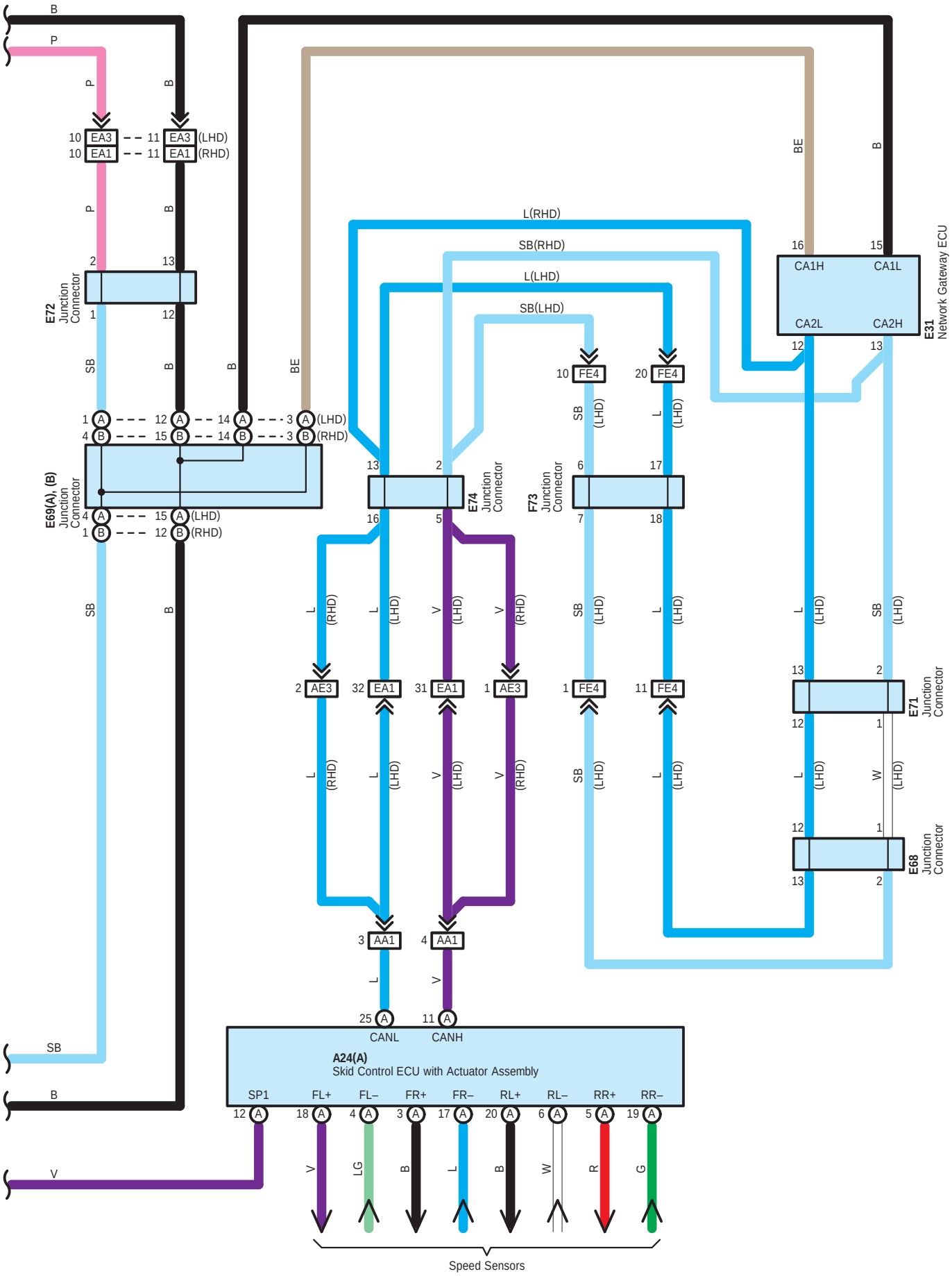




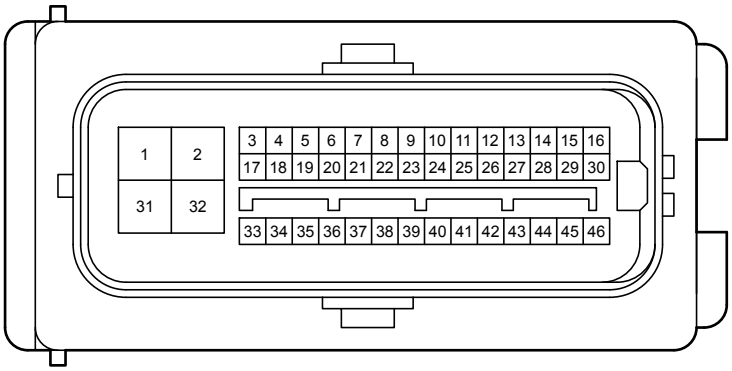
* 4 : LHD Before Aug. 2013 Production, RHD
* 5 : LHD From Aug. 2013 Production


B
P
E1(A), E2(B), E3(C), E4(D)
Main Body ECU
AM1
AM2
STR
STR2
GND2
GND3
E59 Junction Connector
E115(B) Junction Connector
A37(A), C44(B) Junction Connector
C24 Park/Neutral Position Switch
ST CUT Relay
E62 Junction Connector
E67(A), E115(B) Junction Connector
(LHD)
(RHD)
E1
E2

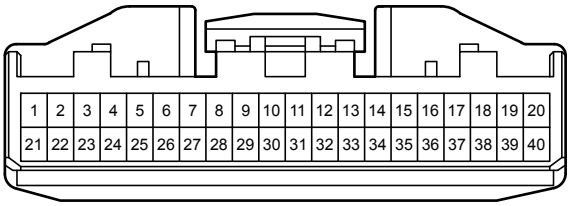

B
P
(BAT)
(IG)
5A
ECU–B1
5A
MET
E59
Junction
Connector
2
1
86
26
13 2B
14 2D
33 EA2
17 A
18 A
R
B
E7(A), E8(B)
Combination Meter Assembly
IG+
Power
Supply
Circuit
+B
IG+
Display
Buzzer
Glow
Master
CRUISE
ECT PWR
Check Engine
IG
One Step
Dim
CAN
+S
SI
ET
CANL
CANH
CHK
4 A
3 A
15 A
26 A
25 A
12 B
V
BR
27 EA1
23 EA4
67 EA3 (LHD)
67 EA1 (RHD)
34
74
E60
Junction
Connector
14
3
12
1
E75
Junction
Connector
65 EA3 (LHD)
65 EA1 (RHD)
61
51
E58
Junction
Connector
19 A
18 B
A37(A), C44(B)
Junction
Connector
SB
C8


B
P
10 EA3 – 11 EA3 (LHD)
10 EA1 – 11 EA1 (RHD)
E72 Junction Connector
E69(A), (B) Junction Connector
E74 Junction Connector
F73 Junction Connector
E31 Network Gateway ECU
CA1H
CA1L
CA2L
CA2H
L(RHD)
SB(RHD)
L(LHD)
SB(LHD)
BE
10 FE4
20 FE4
2 AE3
32 EA1
31 EA1
1 AE3
1 FE4
11 FE4
3 AA1
4 AA1
25 CANL
11 CANH
E71 Junction Connector
E68 Junction Connector
A24(A)
Skid Control ECU with Actuator Assembly
SP1
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
Speed Sensors

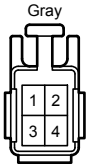
A 24
Black



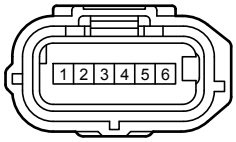
A 27
Black



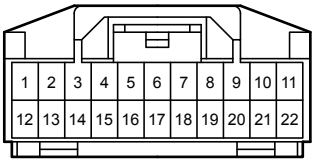
A 30
Gray



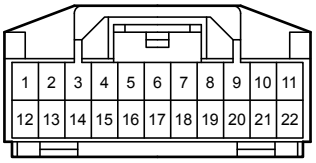
A 31
Black



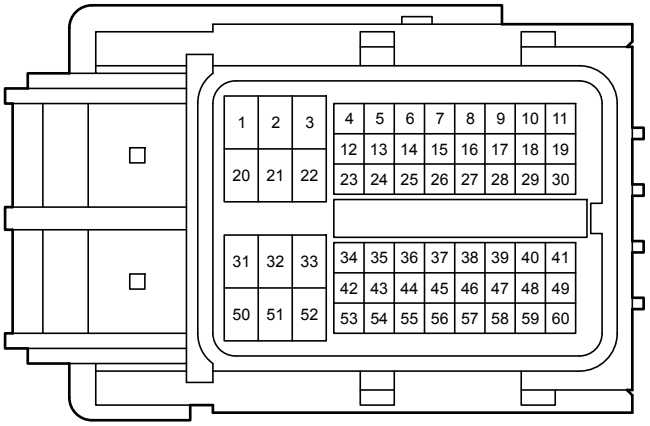
A 34
White



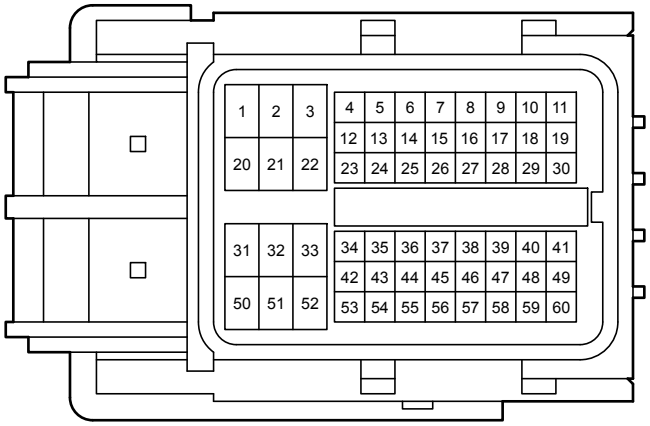
A 37
Blue



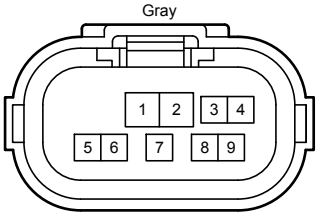
A 38
Black



A 52
Black



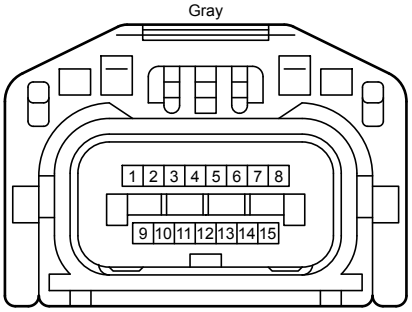
C 24
Gray



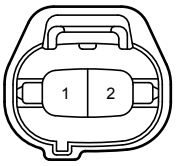
C 29
Black



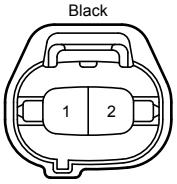
C 34
Gray



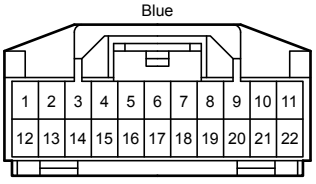
C 35
Black



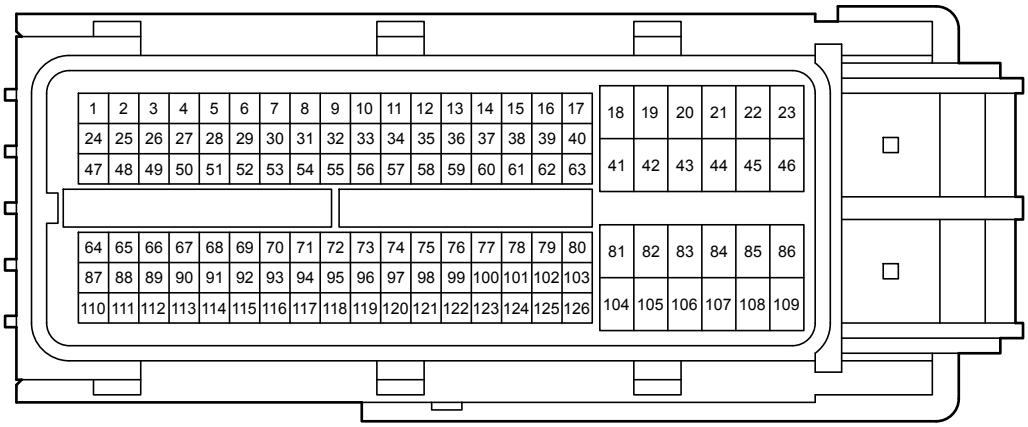
C 36
Black



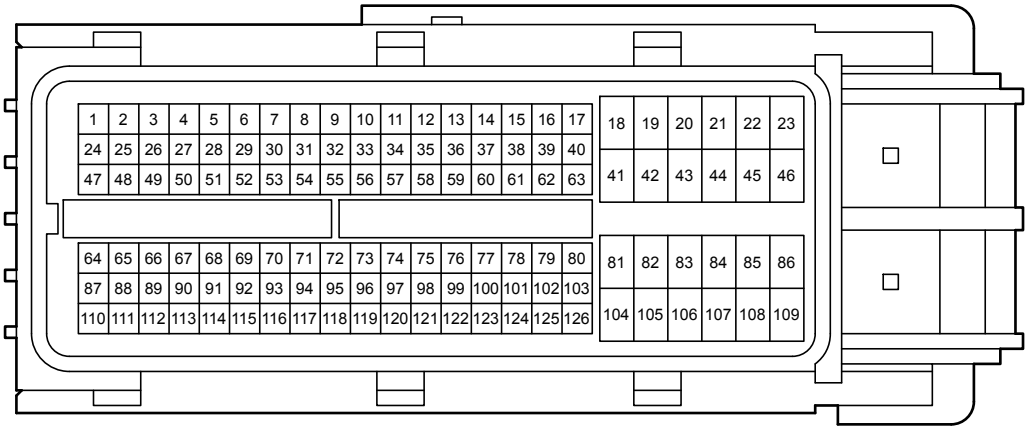
C 44
Blue



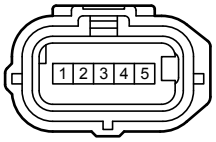
C 45
Black



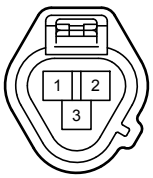
C 46
Black



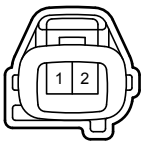
C 50
Black



C 65
Black



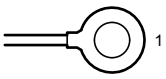
C 66
Black



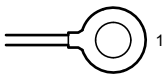
C 71
Gray



C 77



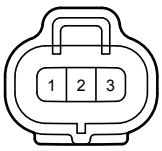
C 78



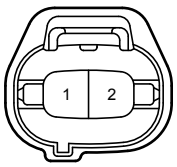
C 79
Gray



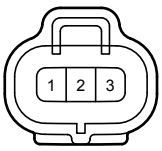
C 80
Black



C 81
Black



C 82
Black



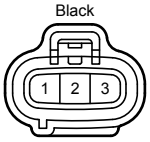
C 83
Black



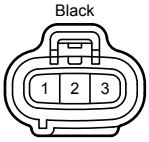
C 84
Black



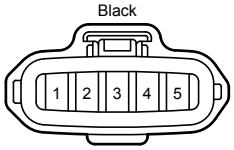
C 85
Black



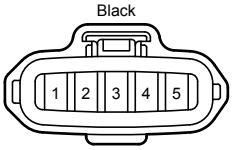
C 86
Black



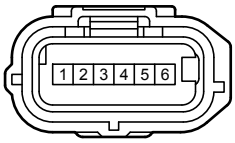
C 87
Black



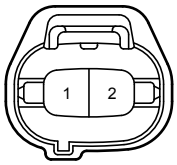
C 88
Black



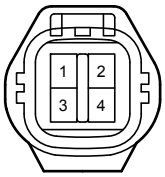
C 89
Black



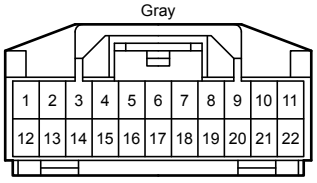
C 90
Black



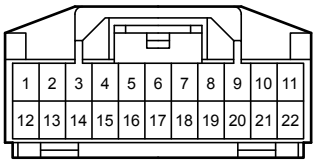
C 92
Black



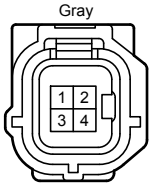
C 94
Gray



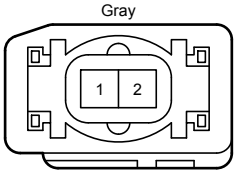
C 95
Black



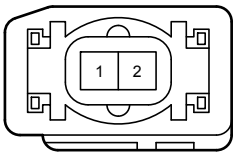
C 96
Gray



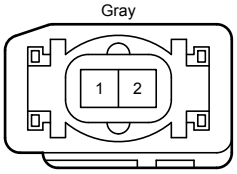
C141
Gray



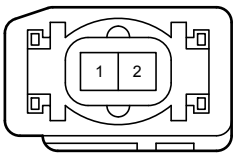
C142
Black



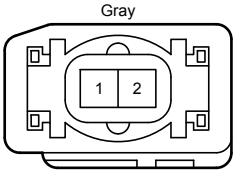
C143
Gray



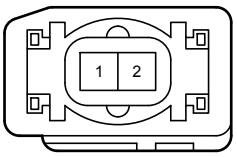
C144
Black



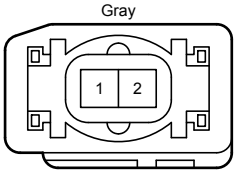
C145
Gray



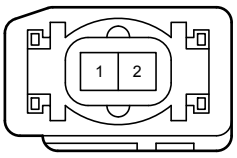
C146
Black



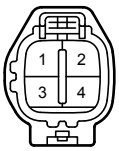
C147
Gray



C148
Black



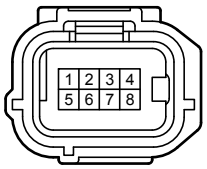
C150
Black



C151
Black



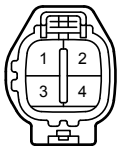
C152
Black



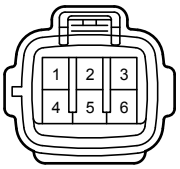
C153
Black



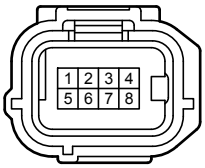
C154
Black



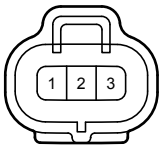
C155
Black



C156
Black



C157
Black



C158
Dark Gray



C159
Dark Gray



C160
Black



C161
Black



C162
Gray



C163
Gray



C164
Gray



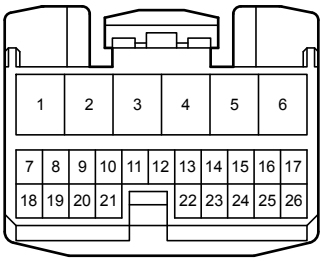
C165
Gray



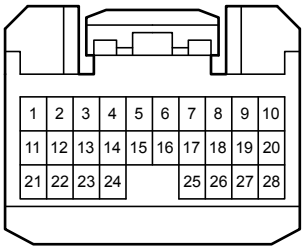
C167
Gray



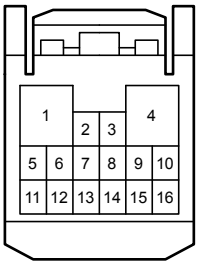
E 1
White



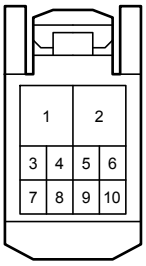
E 2
White



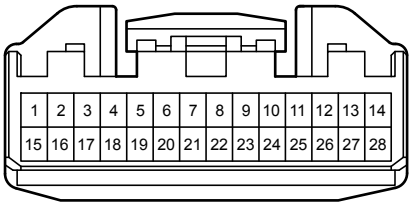
E 3
White



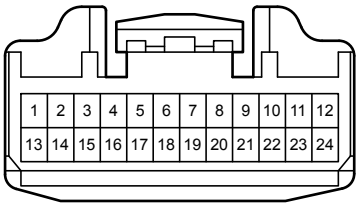
E 4
White



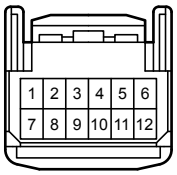
E 7
White



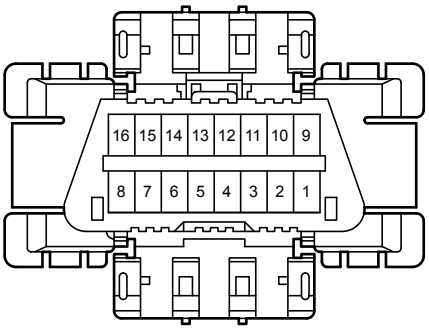
E 8
Black



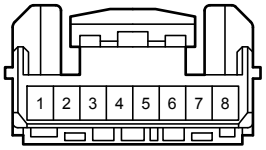
E 12
Black



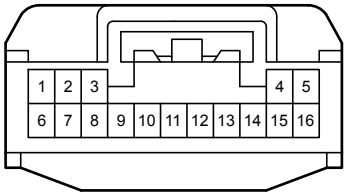
E 22
White



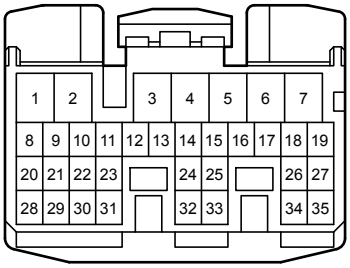
E 28
White



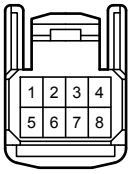
E 31
White



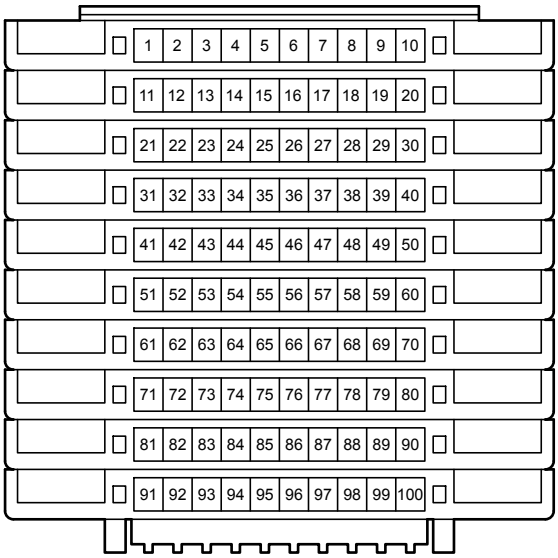
E 36
White



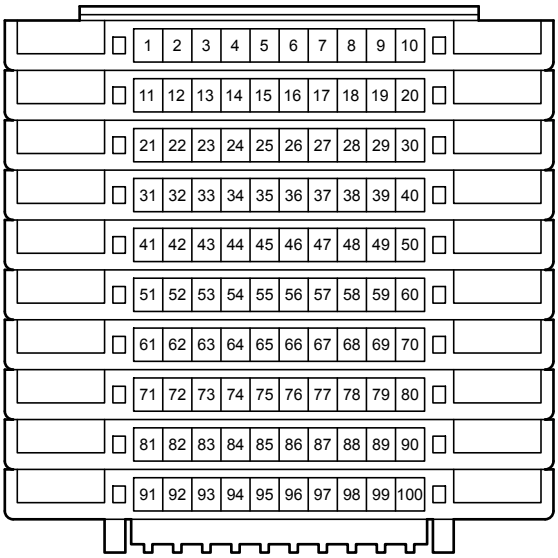
E 52
White



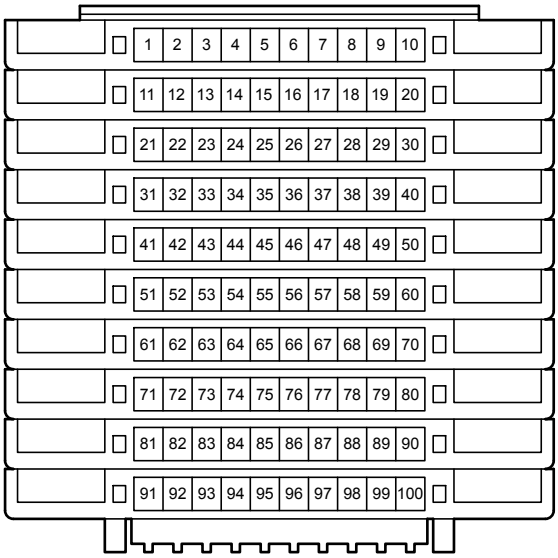
E 58



E 59

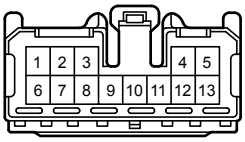


E 60



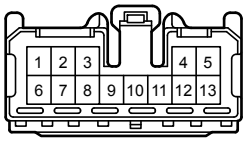
E 62

White



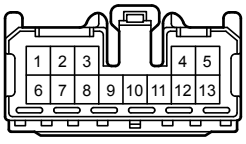
E 66

White



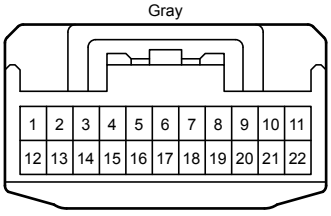
E 67

White



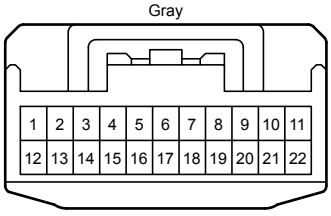
E 68

Gray



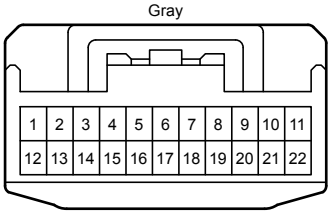
E 69

Gray



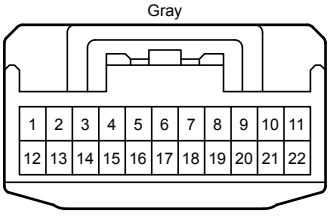
E 71

Gray



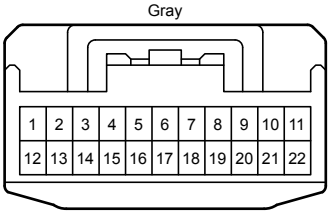
E 72

Gray

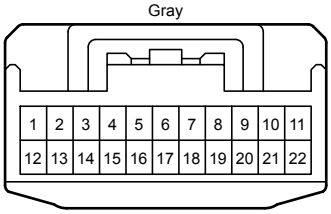


E 74

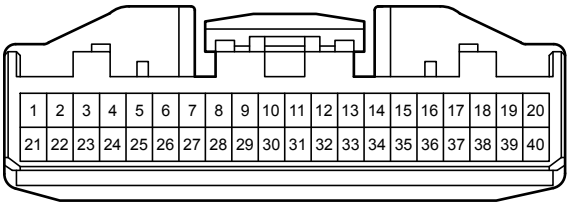
Gray



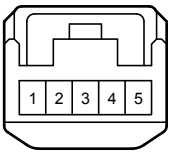
E 75
Gray



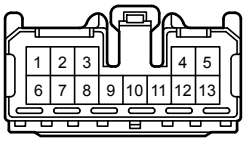
E 81
White



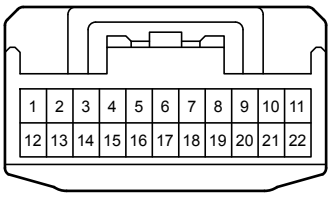
E111
Black



E115
White



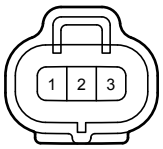
F 73
Blue



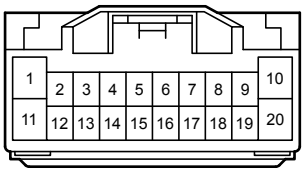
N 15
Gray



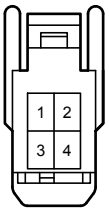
N 16
Black



V 4
White



z 37
White



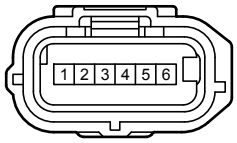
z 64
Gray



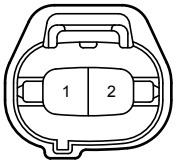
z 65
Gray



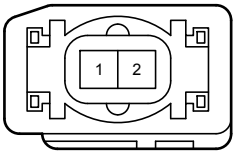
z 66
Black



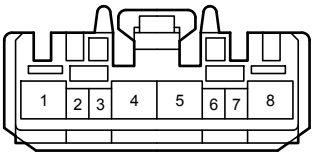
z 67
Gray



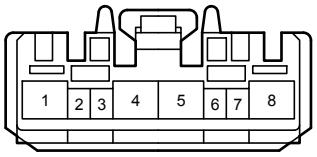
z 68
Gray



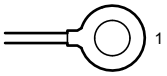
1A
White



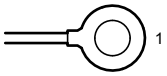
1B
White



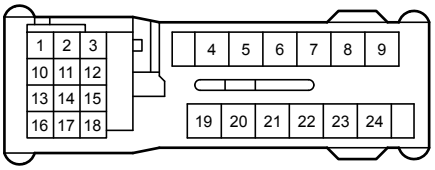
1M



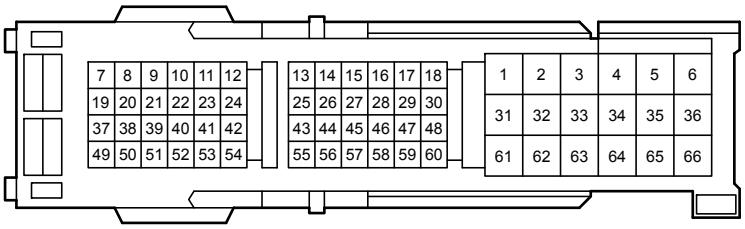
1N



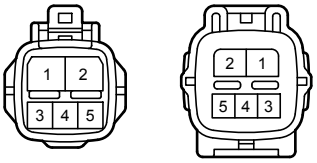
2B
White



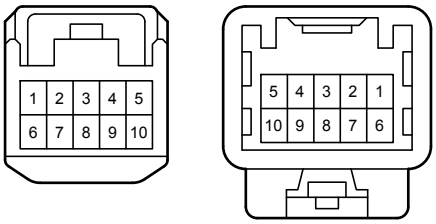
2D
White



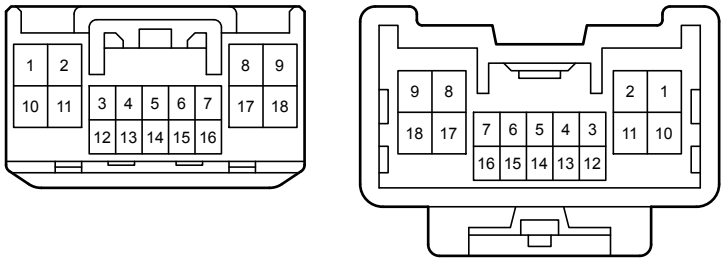
AA1
Gray



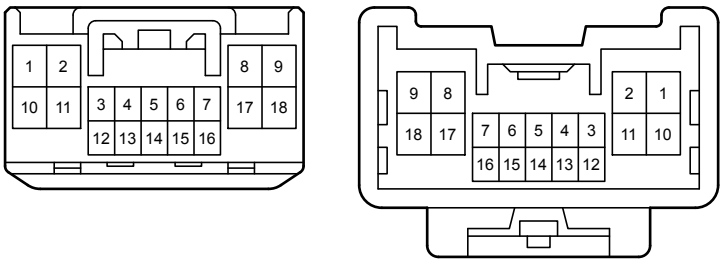
AE3
Gray



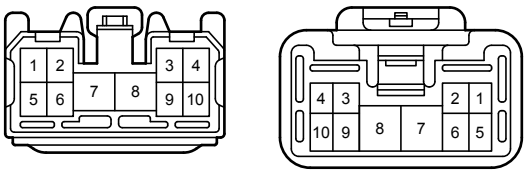
AK2
Gray



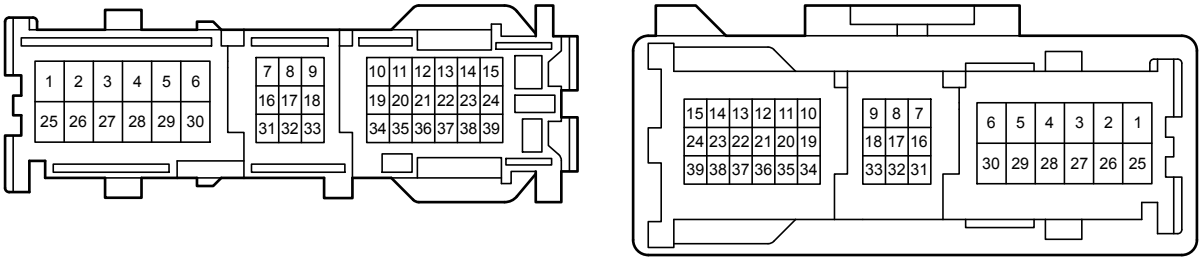
CA1
White



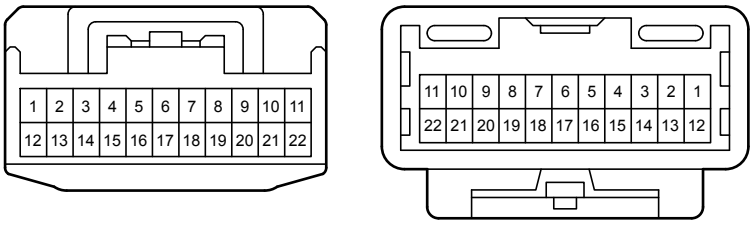
CA2
White



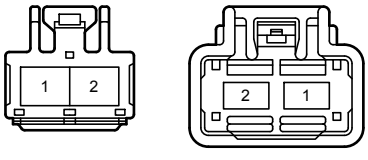
CA3
White

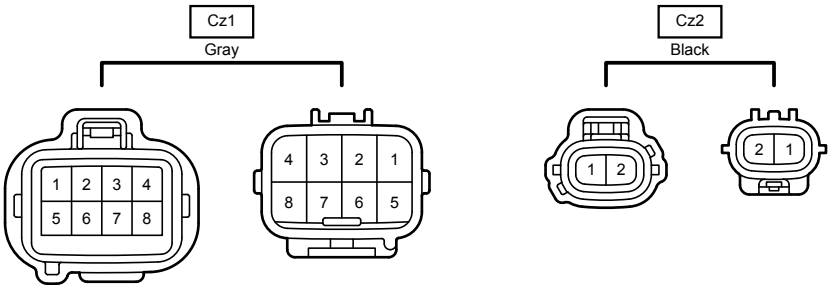


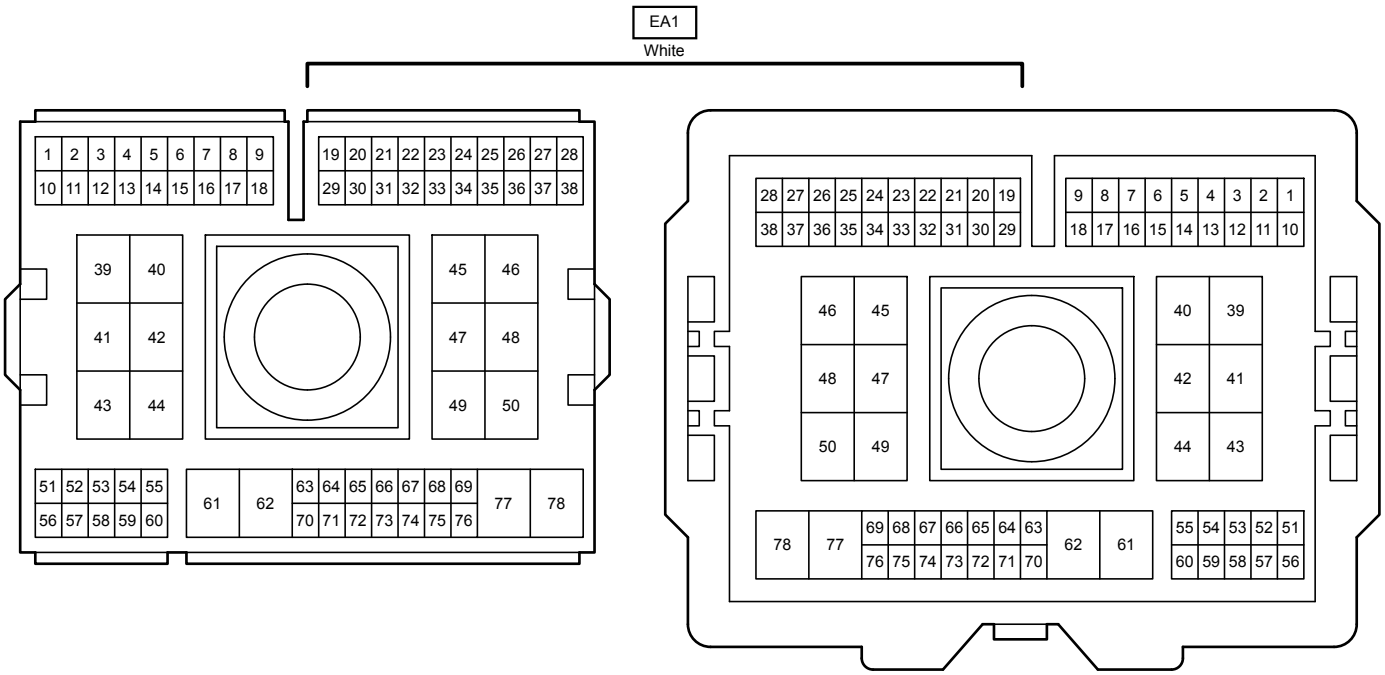
CA4
White

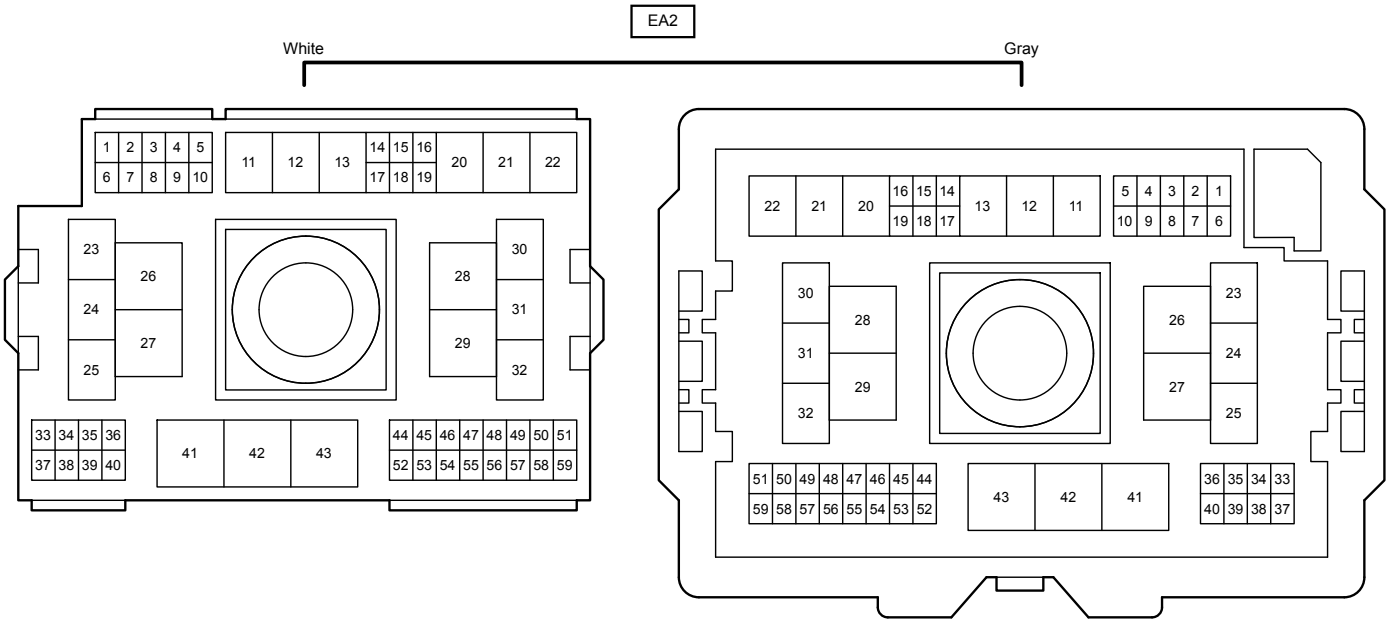


CA5
White



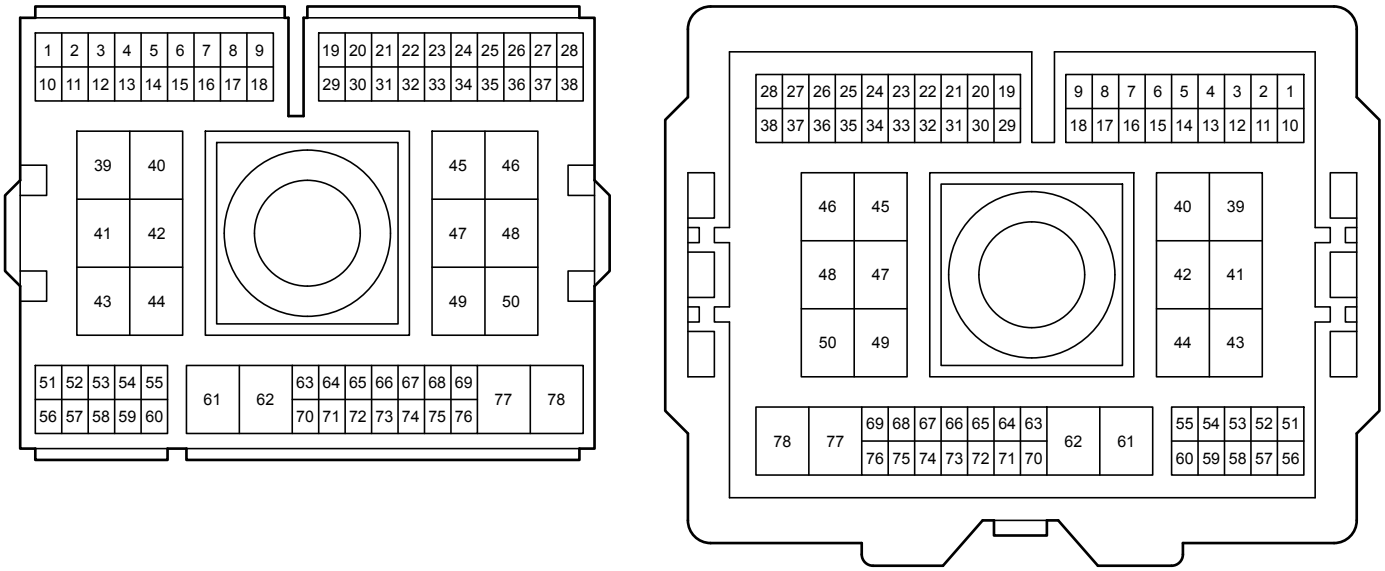

Cz1
Gray
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5
Cz2
Black
1 2
2 1


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

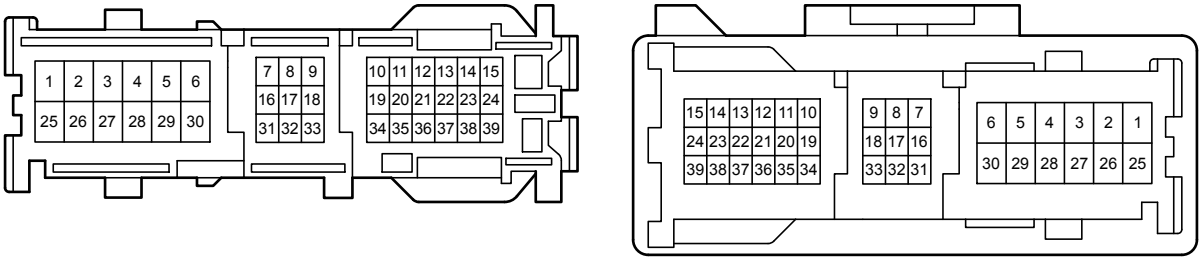
EA3

White



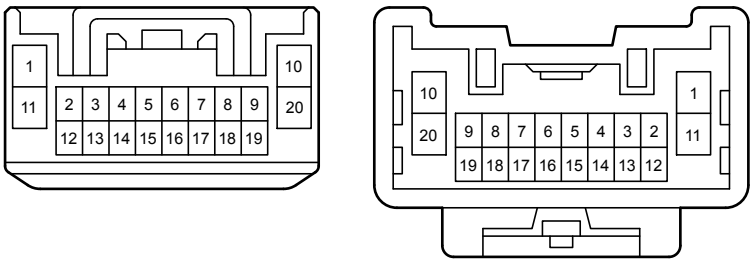
EA4

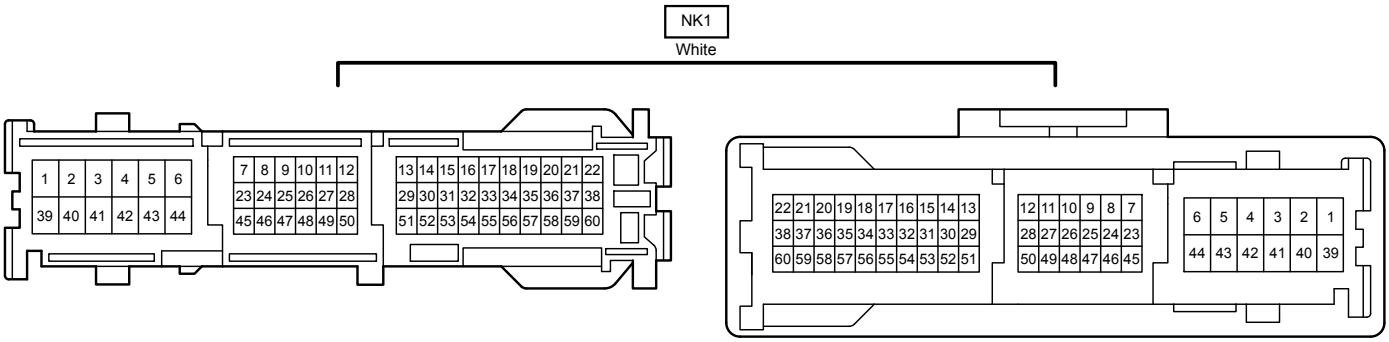
White

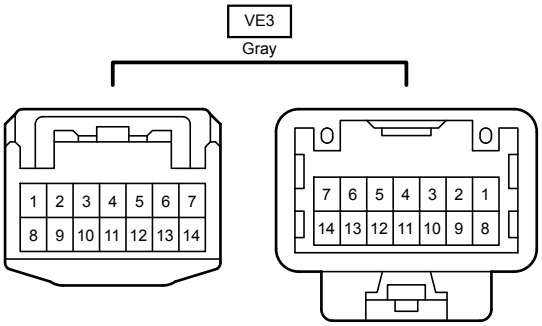


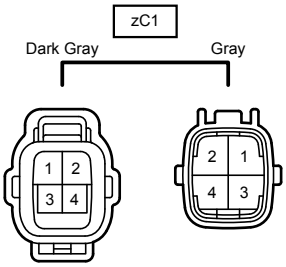
FE4

White




NK1
White
1 2 3 4 5 6
39 40 41 42 43 44
7 8 9 10 11 12
23 24 25 26 27 28
45 46 47 48 49 50
13 14 15 16 17 18 19 20 21 22
29 30 31 32 33 34 35 36 37 38
51 52 53 54 55 56 57 58 59 60
22 21 20 19 18 17 16 15 14 13
38 37 36 35 34 33 32 31 30 29
60 59 58 57 56 55 54 53 52 51
12 11 10 9 8 7
28 27 26 25 24 23
50 49 48 47 46 45
6 5 4 3 2 1
44 43 42 41 40 39


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


zC1
Dark Gray
Gray
1 2
3 4
2 1
4 3