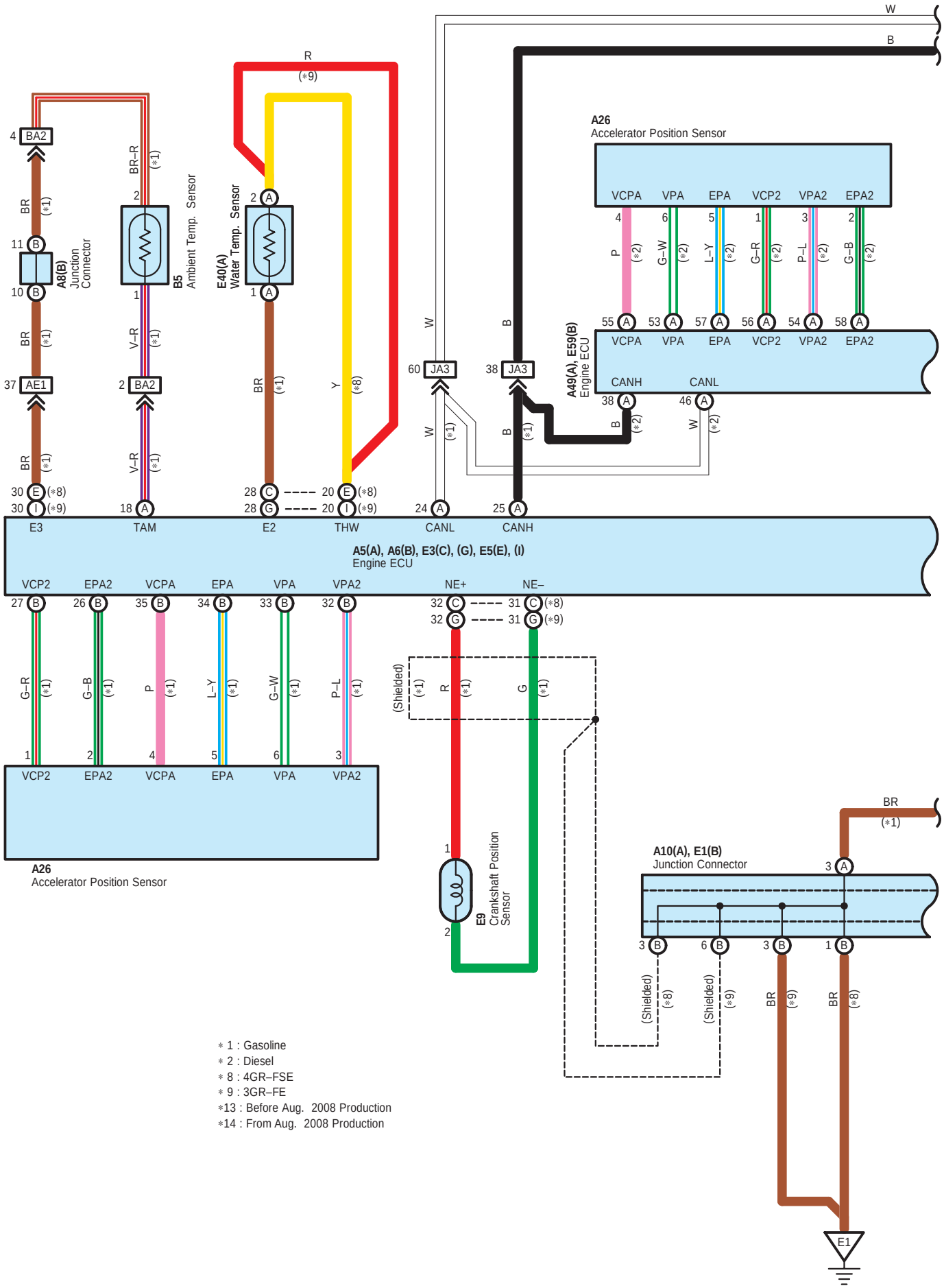
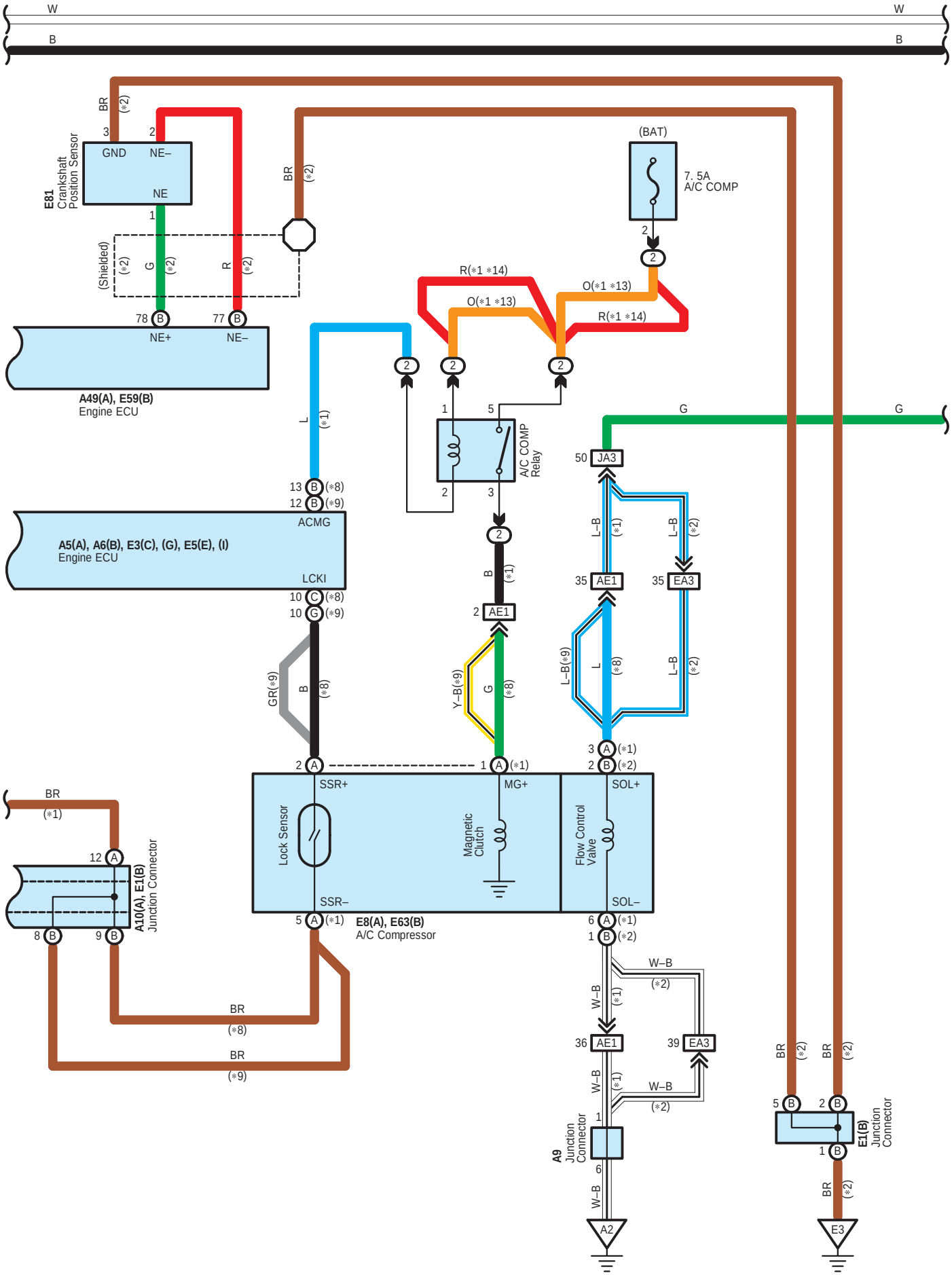
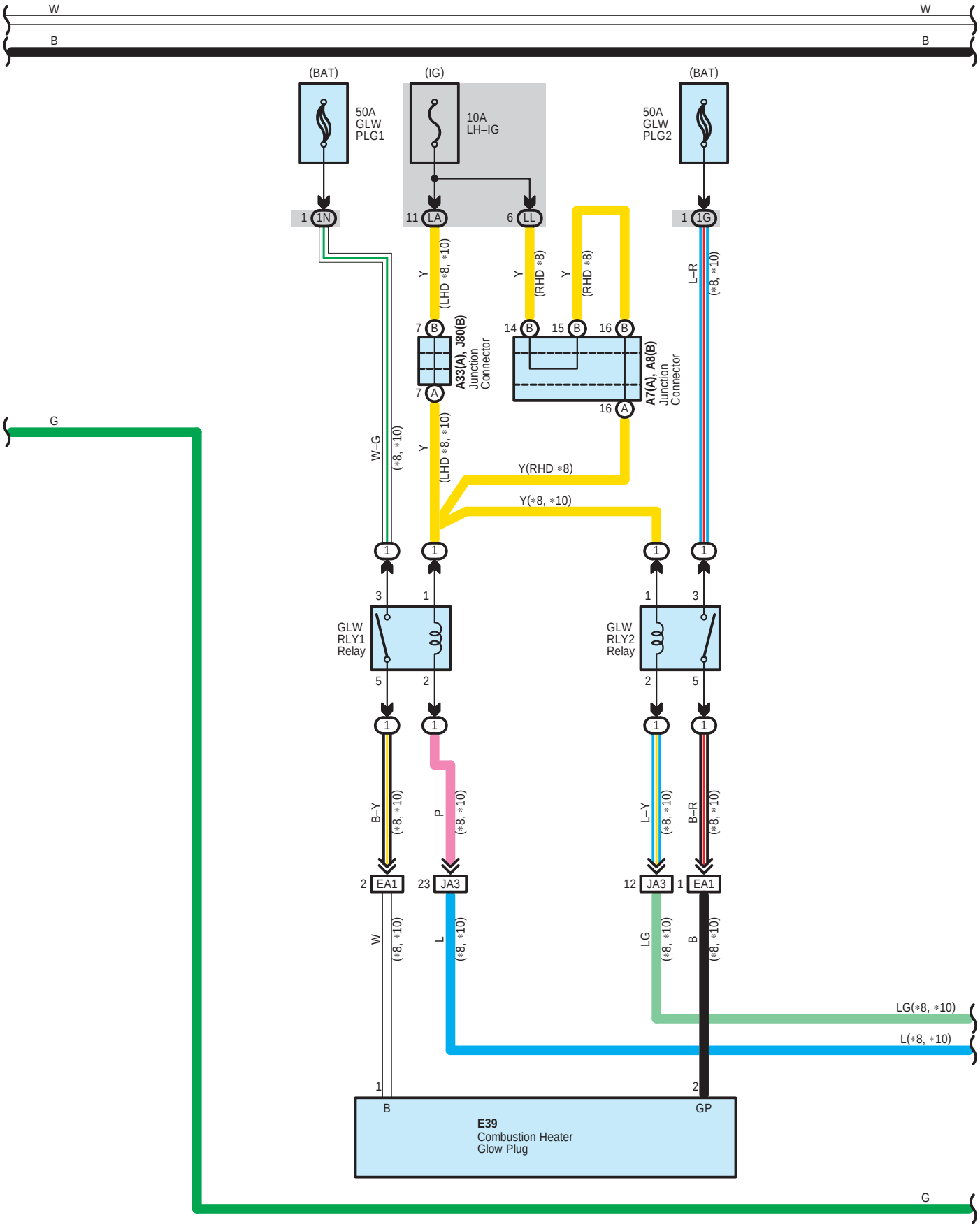
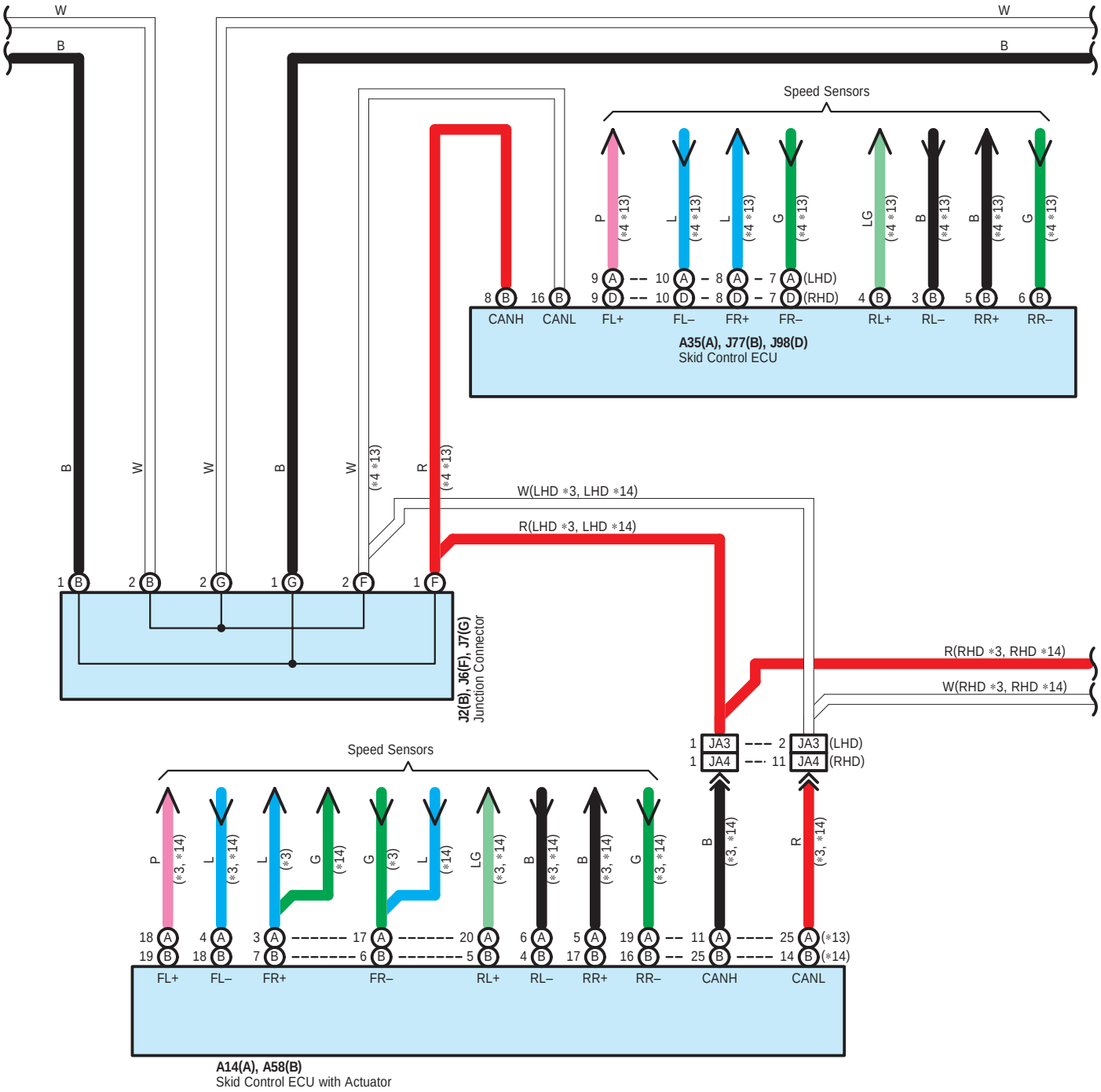


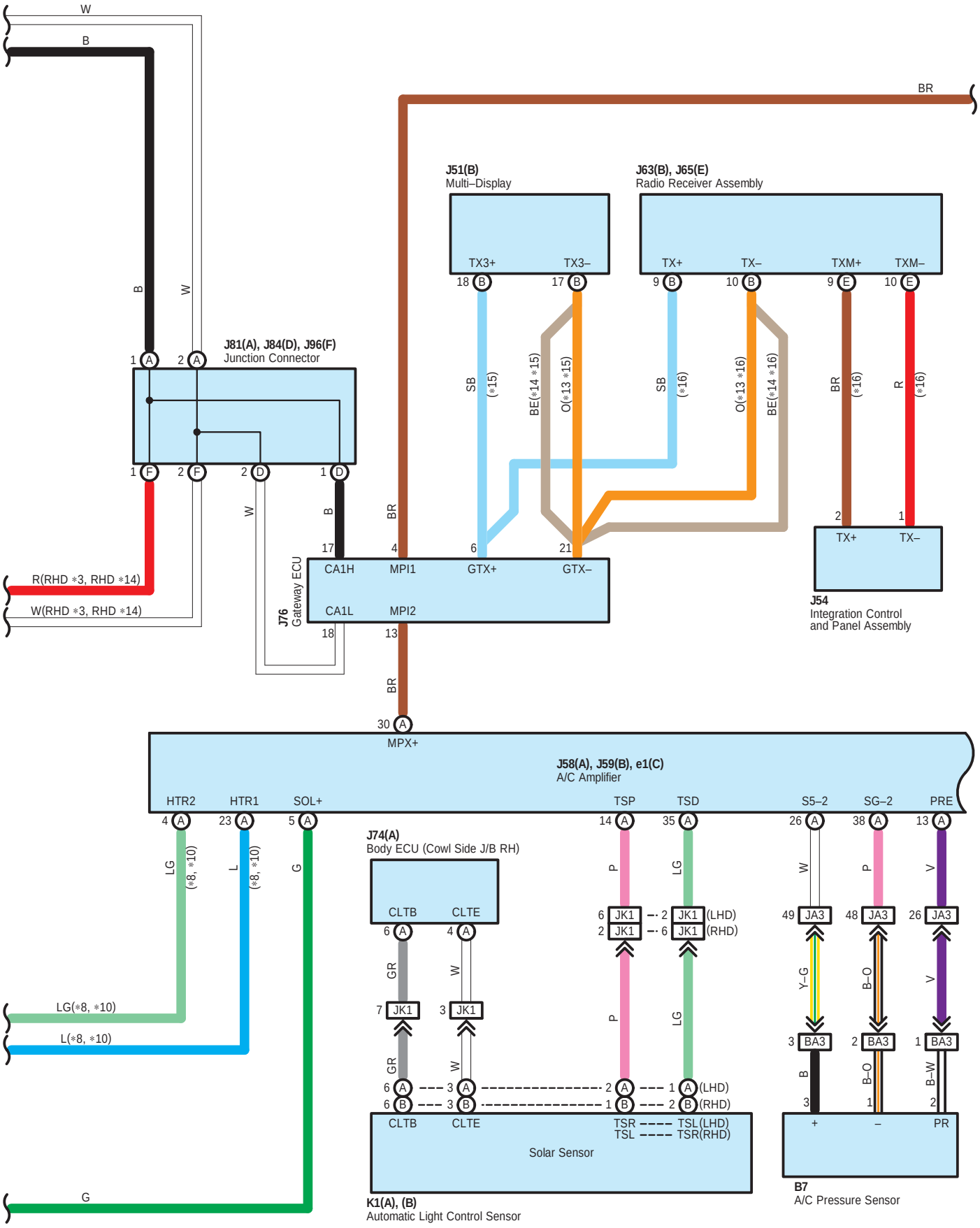
∗ 1 : Gasoline
∗ 2 : Diesel
∗ 8 : 4GR–FSE
∗ 9 : 3GR–FE
∗13 : Before Aug. 2008 Production
∗14 : From Aug. 2008 Production

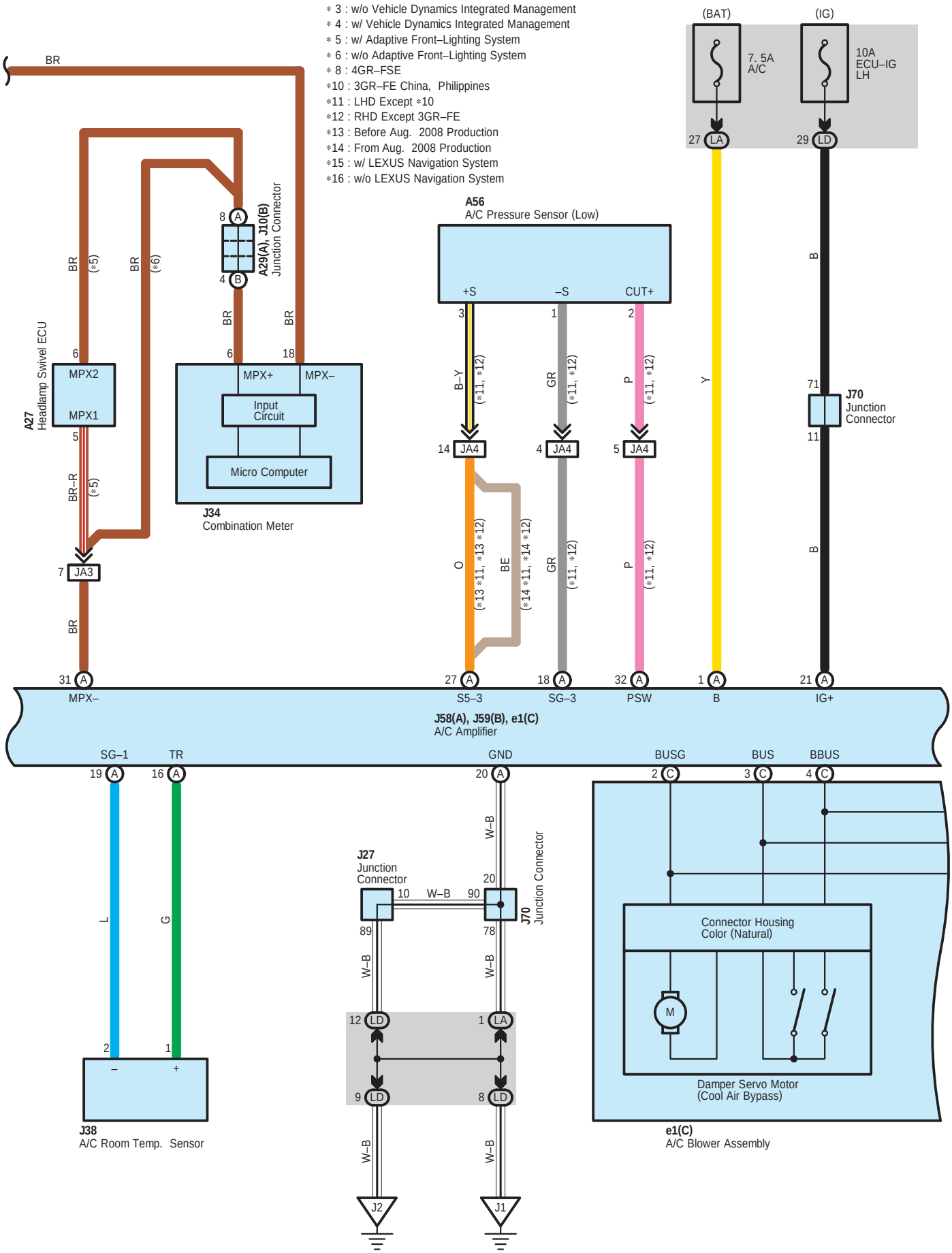

W
B
E81
Crankshaft
Position Sensor
GND
NE–
NE
(Shielded)
78 B NE+
77 B NE–
A49(A), E59(B)
Engine ECU
(BAT)
7. 5A
A/C COMP
R(∗1 ∗14)
O(∗1 ∗13)
A/C COMP
Relay
13 B (∗8)
12 B (∗9)
ACMG
A5(A), A6(B), E3(C), (G), E5(E), (I)
Engine ECU
LCKI
10 C (∗8)
10 G (∗9)
50 JA3
35 AE1
35 EA3
2 AE1
SSR+
SSR–
MG+
SOL+
SOL–
Lock Sensor
Magnetic
Clutch
Flow Control
Valve
E8(A), E63(B)
A/C Compressor
A10(A), E1(B)
Junction Connector
36 AE1
39 EA3
A9
Junction
Connector
A2
E1(B)
Junction
Connector
E3

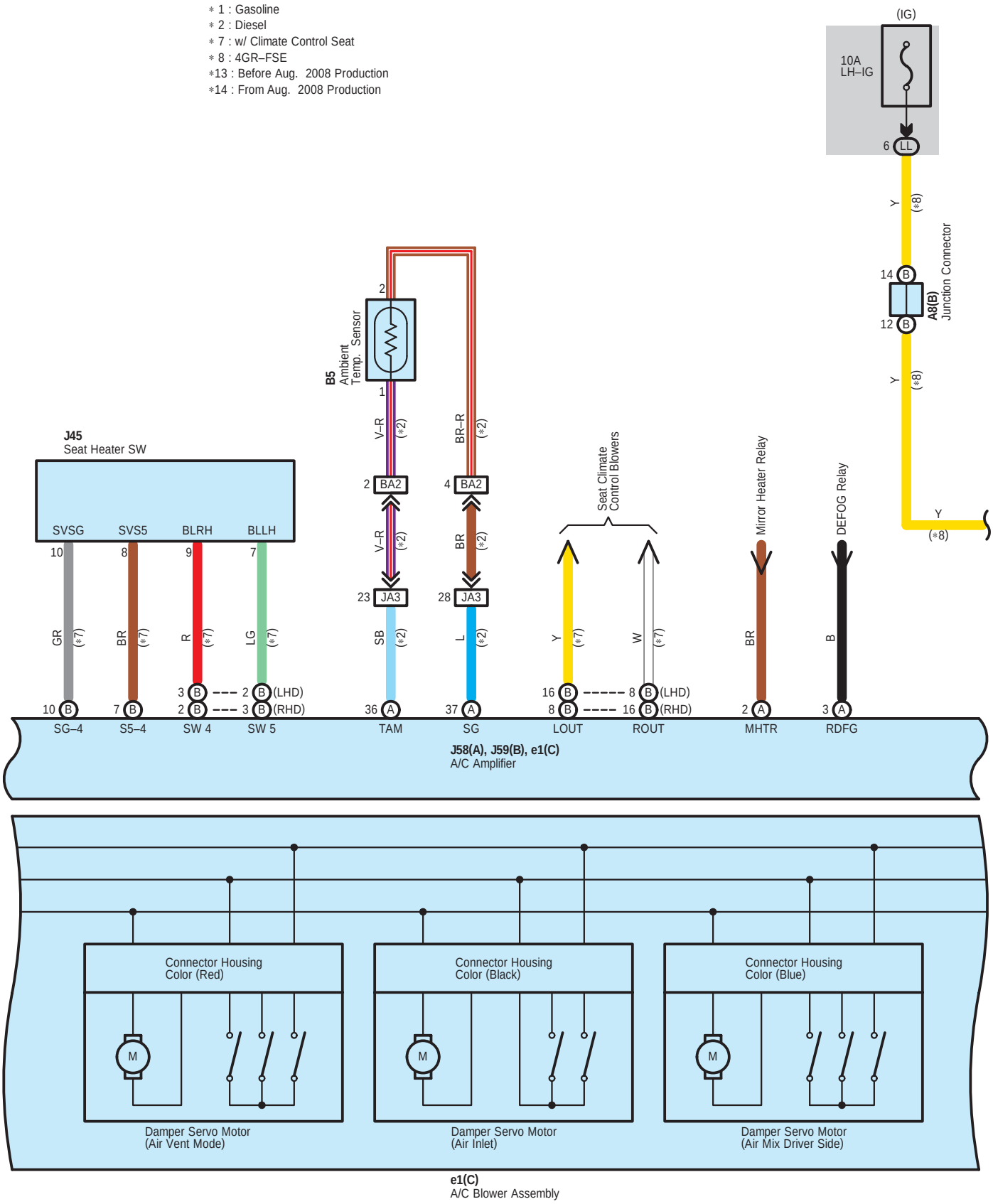

W
B
(BAT)
50A
GLW
PLG1
(IG)
10A
LH–IG
(BAT)
50A
GLW
PLG2
1 1N
11 LA
6 LL
1 1G
Y
(LHD ∗8, ∗10)
Y
(RHD ∗8)
Y
(RHD ∗8)
L–R
(∗8, ∗10)
7 B
7 A
A33(A), J80(B)
Junction
Connector
14 B
15 B
16 B
16 A
A7(A), A8(B)
Junction
Connector
G
W–G
(∗8, ∗10)
Y
(LHD ∗8, ∗10)
Y(RHD ∗8)
Y(∗8, ∗10)
1
1
1
1
3
1
1
3
GLW
RLY1
Relay
GLW
RLY2
Relay
5
2
2
5
1
1
1
1
B–Y
(∗8, ∗10)
P
(∗8, ∗10)
L–Y
(∗8, ∗10)
B–R
(∗8, ∗10)
2 EA1
23 JA3
12 JA3
1 EA1
W
(∗8, ∗10)
L
(∗8, ∗10)
LG
(∗8, ∗10)
B
(∗8, ∗10)
LG(∗8, ∗10)
L(∗8, ∗10)
1
2
B
GP
E39
Combustion Heater
Glow Plug
G

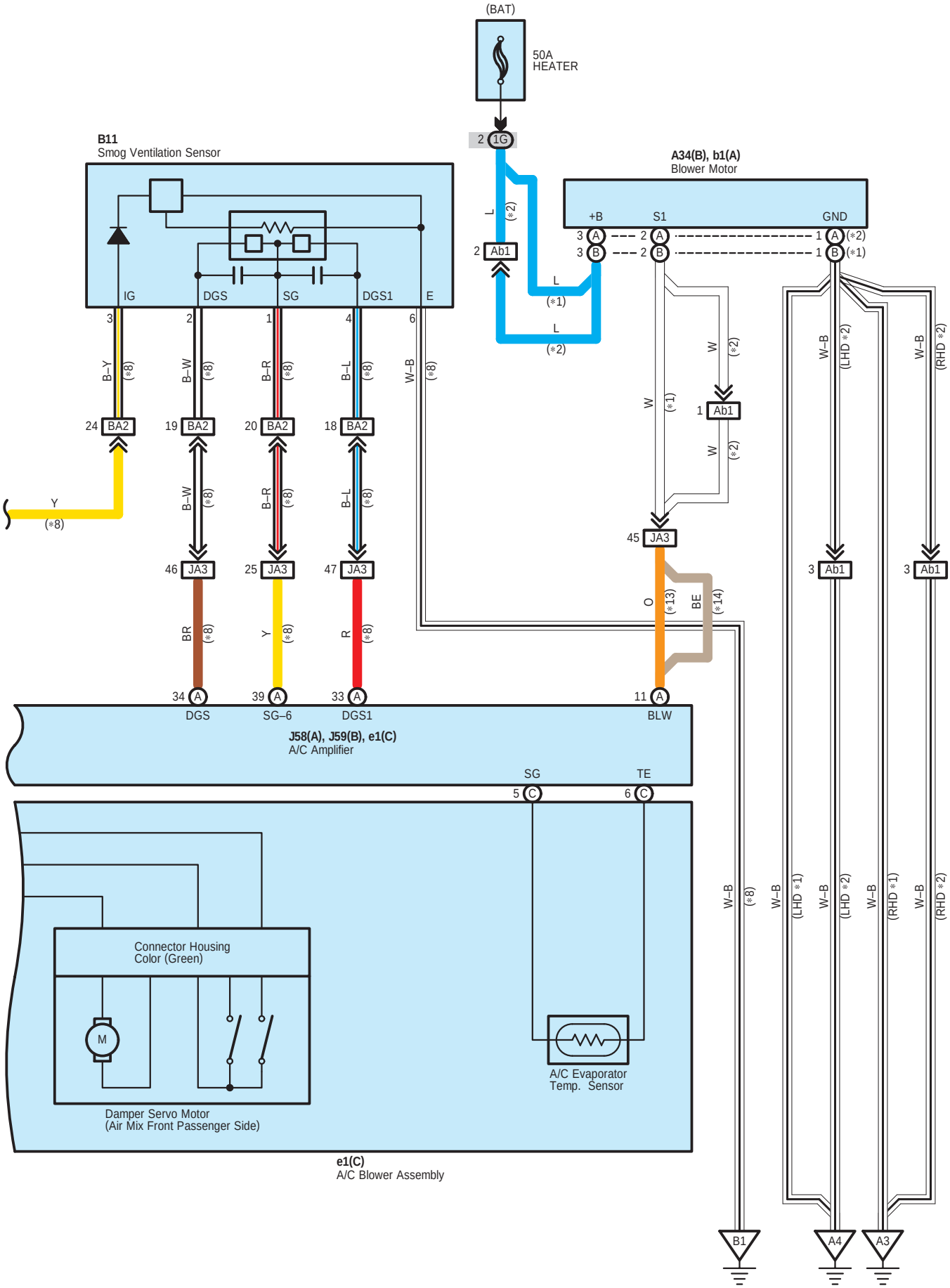


* 3 : w/o Vehicle Dynamics Integrated Management
* 4 : w/ Vehicle Dynamics Integrated Management
* 8 : 4GR–FSE
*10 : 3GR–FE China, Philippines
*13 : Before Aug. 2008 Production
*14 : From Aug. 2008 Production

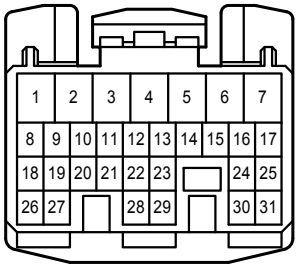

W
B
BR
J51(B)
Multi–Display
TX3+
TX3–
J63(B), J65(E)
Radio Receiver Assembly
TX+
TX–
TXM+
TXM–
J81(A), J84(D), J96(F)
Junction Connector
SB
(*15)
BE(*14 *15)
O(*13 *15)
(*16)
O(*13 *16)
BE(*14 *16)
R
R(RHD *3, RHD *14)
W(RHD *3, RHD *14)
J76
Gateway ECU
CA1H
MPI1
GTX+
GTX–
CA1L
MPI2
MPX+
J54
Integration Control
and Panel Assembly
J58(A), J59(B), e1(C)
A/C Amplifier
HTR2
HTR1
SOL+
TSP
TSD
S5–2
SG–2
PRE
LG
L
G
(*8, *10)
LG(*8, *10)
L(*8, *10)
J74(A)
Body ECU (Cowl Side J/B RH)
CLTB
CLTE
GR
JK1
(LHD)
(RHD)
TSR
TSL
TSL(LHD)
TSR(RHD)
Solar Sensor
K1(A), (B)
Automatic Light Control Sensor
JA3
BA3
Y–G
B–O
B–W
B7
A/C Pressure Sensor


∗ 3 : w/o Vehicle Dynamics Integrated Management
∗ 4 : w/ Vehicle Dynamics Integrated Management
∗ 5 : w/ Adaptive Front–Lighting System
∗ 6 : w/o Adaptive Front–Lighting System
∗ 8 : 4GR–FSE
∗10 : 3GR–FE China, Philippines
∗11 : LHD Except ∗10
∗12 : RHD Except 3GR–FE
∗13 : Before Aug. 2008 Production
∗14 : From Aug. 2008 Production
∗15 : w/ LEXUS Navigation System
∗16 : w/o LEXUS Navigation System
(BAT)
(IG)
7. 5A
A/C
10A
ECU–IG
LH
27 LA
29 LD
BR
A29(A), J10(B)
Junction Connector
8 A
4 B
BR (∗5)
BR (∗6)
BR
BR
A27
Headlamp Swivel ECU
6
MPX2
MPX1
5
BR–R (∗5)
7 JA3
BR
31 A
MPX–
6
18
MPX+
MPX–
Input
Circuit
Micro Computer
J34
Combination Meter
A56
A/C Pressure Sensor (Low)
+S
–S
CUT+
3
1
2
B–Y (∗11, ∗12)
GR (∗11, ∗12)
P (∗11, ∗12)
14 JA4
4 JA4
5 JA4
O (∗13 ∗11, ∗13 ∗12)
BE (∗14 ∗11, ∗14 ∗12)
GR (∗11, ∗12)
P (∗11, ∗12)
27 A
S5–3
18 A
SG–3
32 A
PSW
Y
1 A
B
B
71
J70
Junction
Connector
11
B
21 A
IG+
J58(A), J59(B), e1(C)
A/C Amplifier
SG–1
TR
GND
BUSG
BUS
BBUS
19 A
16 A
20 A
2 C
3 C
4 C
L
G
2
1
–
+
J38
A/C Room Temp. Sensor
W–B
J27
Junction
Connector
10
W–B
90
20
J70
Junction Connector
89
78
W–B
W–B
12 LD
1 LA
9 LD
8 LD
W–B
W–B
J2
J1
Connector Housing
Color (Natural)
M
Damper Servo Motor
(Cool Air Bypass)
e1(C)
A/C Blower Assembly

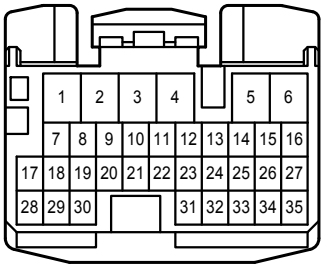

∗ 1 : Gasoline
∗ 2 : Diesel
∗ 7 : w/ Climate Control Seat
∗ 8 : 4GR–FSE
∗13 : Before Aug. 2008 Production
∗14 : From Aug. 2008 Production
(IG)
10A
LH–IG
6 LL
Y (∗8)
14 B
12 B
A8(B)
Junction Connector
Y (∗8)
Y
(∗8)
B5
Ambient
Temp. Sensor
2
1
V–R (∗2)
BR–R (∗2)
2 BA2
4 BA2
V–R (∗2)
BR (∗2)
23 JA3
28 JA3
SB (∗2)
L (∗2)
J45
Seat Heater SW
SVSG
SVS5
BLRH
BLLH
10
8
9
7
GR (∗7)
BR (∗7)
R (∗7)
LG (∗7)
3 B --- 2 B (LHD)
2 B --- 3 B (RHD)
10 B
7 B
36 A
37 A
SG–4
S5–4
SW 4
SW 5
TAM
SG
Seat Climate
Control Blowers
Y (∗7)
W (∗7)
16 B ----- 8 B (LHD)
8 B ---- 16 B (RHD)
LOUT
ROUT
Mirror Heater Relay
BR
2 A
MHTR
DEFOG Relay
B
3 A
RDFG
J58(A), J59(B), e1(C)
A/C Amplifier
Connector Housing
Color (Red)
Connector Housing
Color (Black)
Connector Housing
Color (Blue)
M
M
M
Damper Servo Motor
(Air Vent Mode)
Damper Servo Motor
(Air Inlet)
Damper Servo Motor
(Air Mix Driver Side)
e1(C)
A/C Blower Assembly


(BAT)
50A
HEATER
2 1G
B11
Smog Ventilation Sensor
IG
DGS
SG
DGS1
E
A34(B), b1(A)
Blower Motor
+B
S1
GND
3 A
3 B
2 A
2 B
1 A (*2)
1 B (*1)
L (*2)
2 Ab1
L (*1)
L (*2)
B–Y (*8)
B–W (*8)
B–R (*8)
B–L (*8)
W–B (*8)
24 BA2
19 BA2
20 BA2
18 BA2
Y (*8)
46 JA3
25 JA3
47 JA3
BR (*8)
Y (*8)
R (*8)
W (*2)
W (*1)
1 Ab1
W (*2)
45 JA3
O (*13)
BE (*14)
W–B (LHD *2)
W–B (RHD *2)
3 Ab1
3 Ab1
34 A
39 A
33 A
11 A
DGS
SG–6
DGS1
BLW
J58(A), J59(B), e1(C)
A/C Amplifier
SG
TE
5 C
6 C
Connector Housing
Color (Green)
M
Damper Servo Motor
(Air Mix Front Passenger Side)
A/C Evaporator
Temp. Sensor
e1(C)
A/C Blower Assembly
W–B (*8)
W–B (LHD *1)
W–B (LHD *2)
W–B (RHD *1)
W–B (RHD *2)
B1
A4
A3

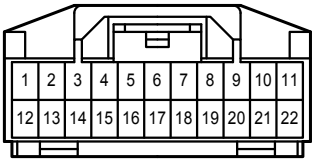
A 5
White



A 6
White

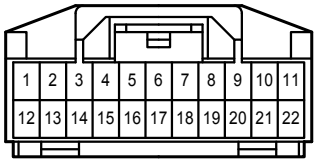


A 7
Blue



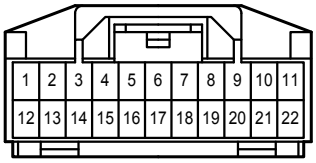
(3GR-FE, 2GR-FSE, 4GR-FSE)

A 7
White



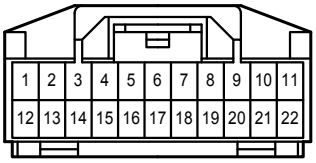
(2AD-FHV, 2AD-FTV)

A 8
Blue



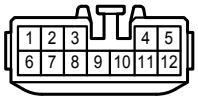
(3GR-FE, 2GR-FSE, 4GR-FSE)

A 8
White

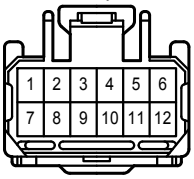


(2AD-FHV, 2AD-FTV)

A 9
White

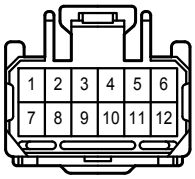


A 10
Gray



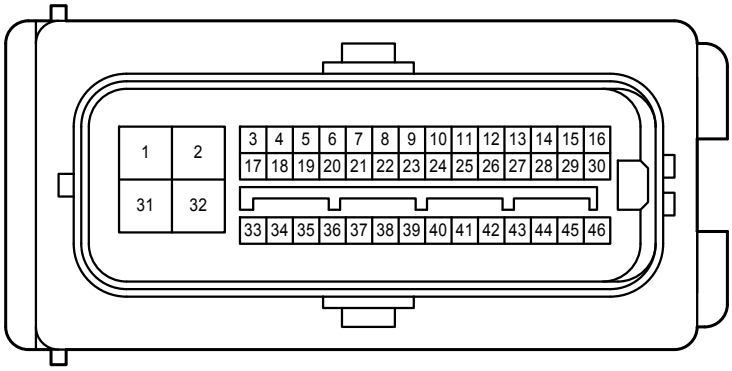
(3GR-FE, 2GR-FSE, 4GR-FSE)

A 10
White

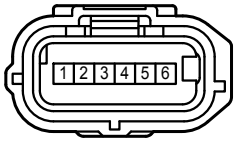


(2AD-FHV, 2AD-FTV)

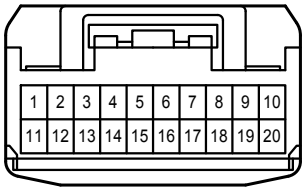
A 14
Black



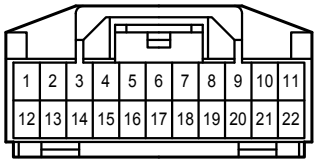
A 26
Black



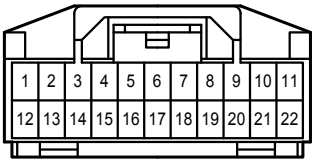
A 27
White



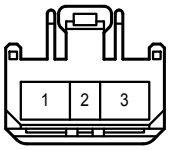
A 29
Blue



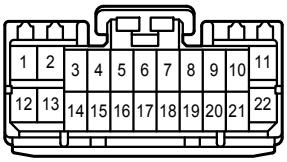
A 33
Blue



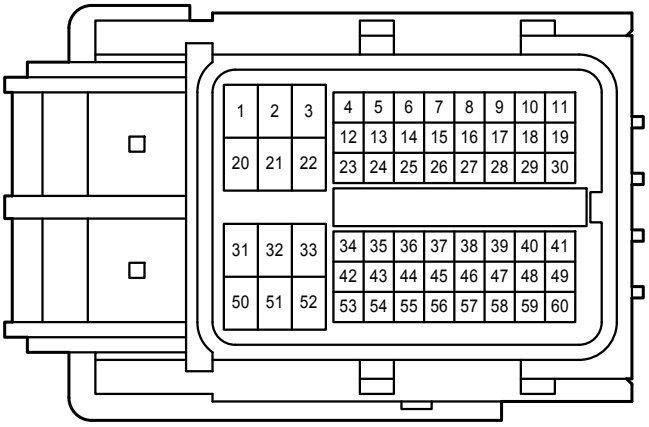
A 34
White



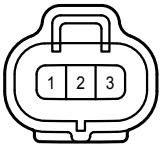
A 35
White



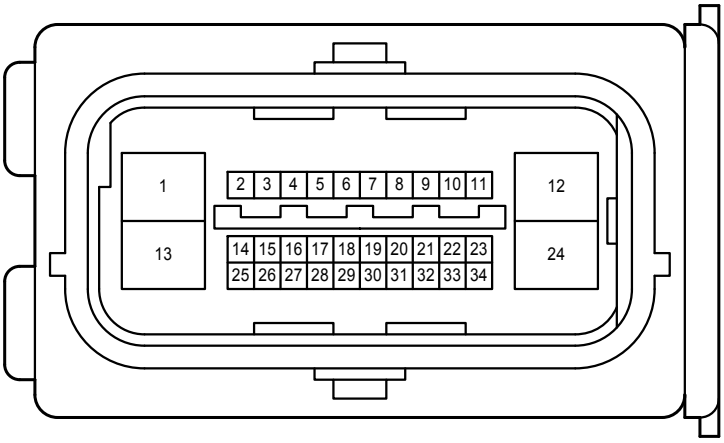
A 49
Black



A 56
Black

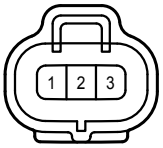


A 58
Black



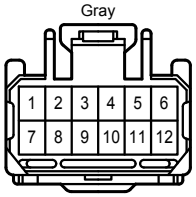
B 5
Black

B 7
Black

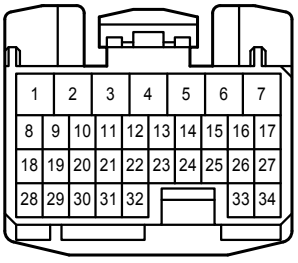


B 11
Black

E 1
Gray

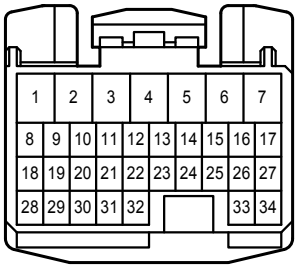


E 3
White



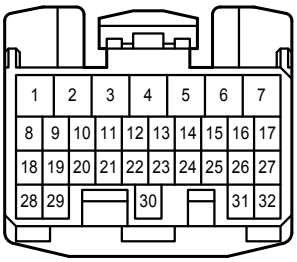
(4GR-FSE)

E 3
White



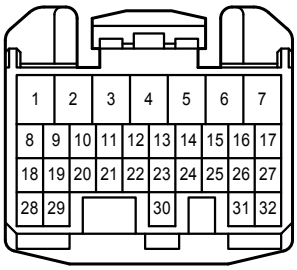
(2GR-FSE, 3GR-FE)

E 5
White



(4GR-FSE)

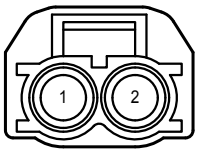
E 5
White



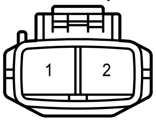
(2GR-FSE, 3GR-FE)

E 8
Gray

E 9
Black



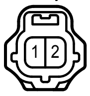
E 39
Dark Gray



E 40
Dark Gray

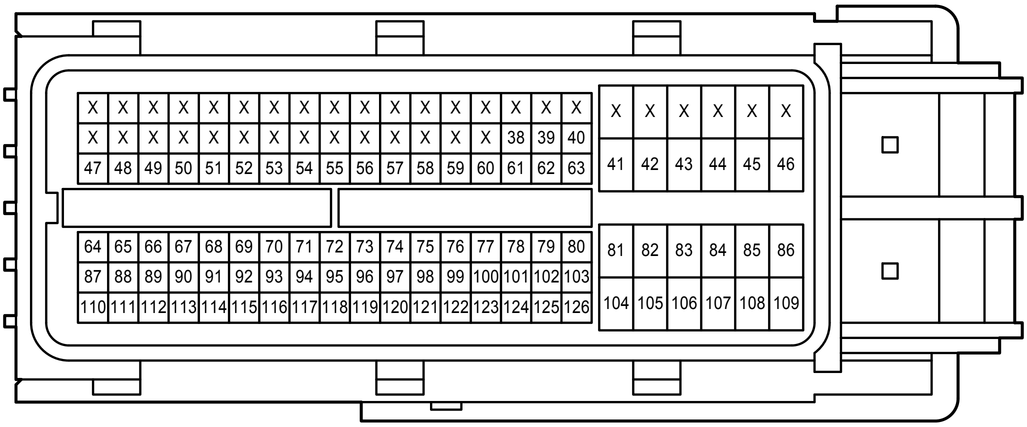
(2GR-FSE, 3GR-FE)

E 40
Gray

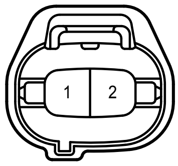


(4GR-FSE, 2AD-FHV, 2AD-FTV)

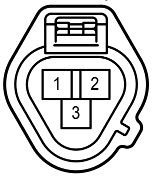
E 59
Black



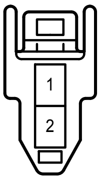
E 63
Black



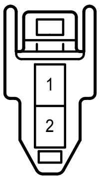
E 81
Dark Gray



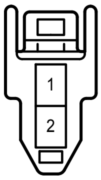
J 2
White



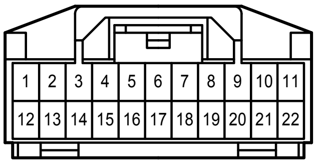
J 6
White



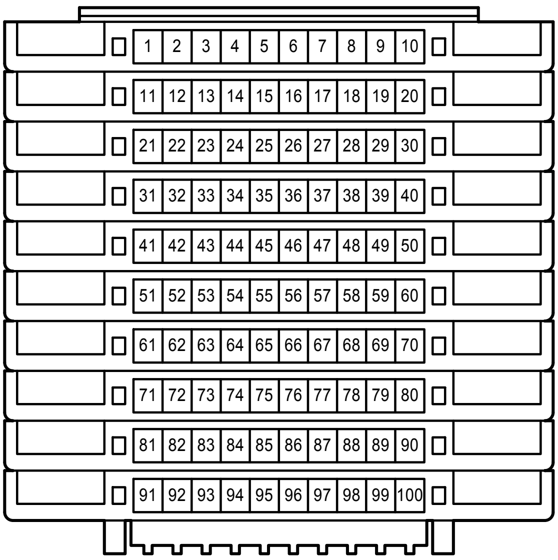
J 7
White



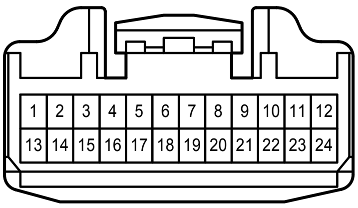
J 10
Blue



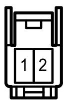
J 27
White



J 34
Black

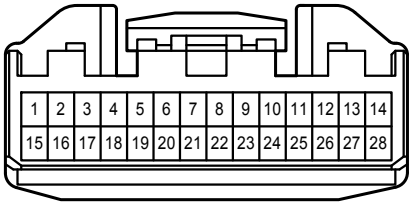


J 38
Black

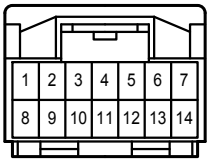


J 45
Black

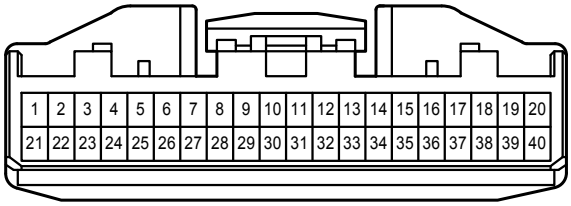
J 51
White



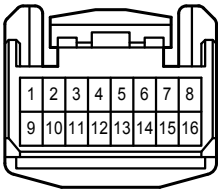
J 54
White



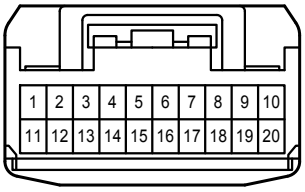
J 58
White



J 59
White

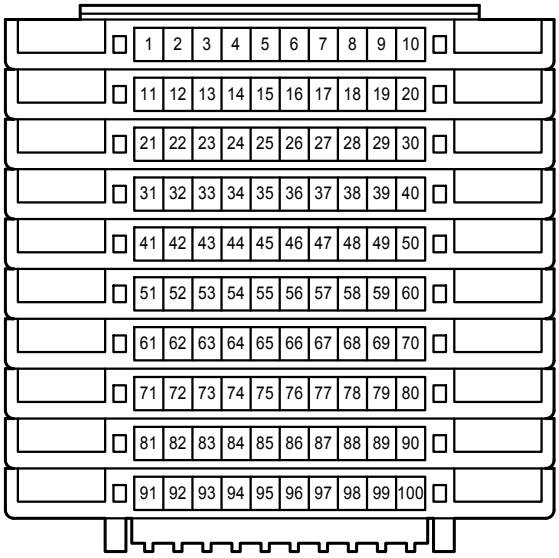


J 63
White

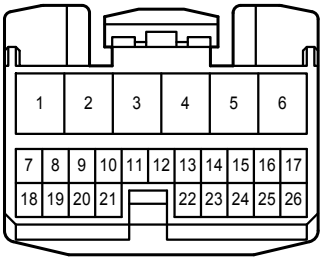


J 65
White

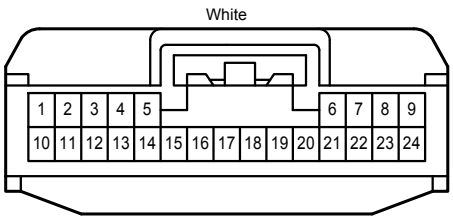
J 70
White



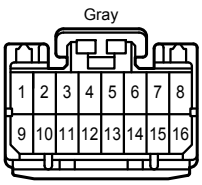
J 74
White



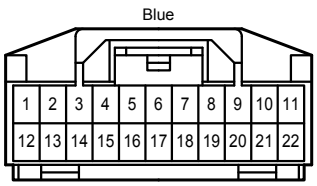
J 76
White



J 77
Gray



J 80
Blue



J 81
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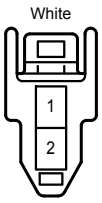
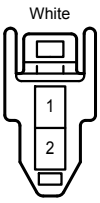


J 84
White



J 96
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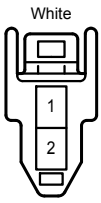
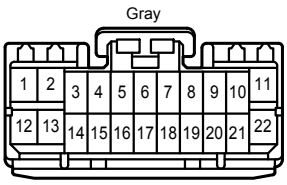
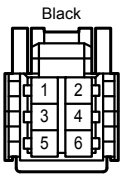
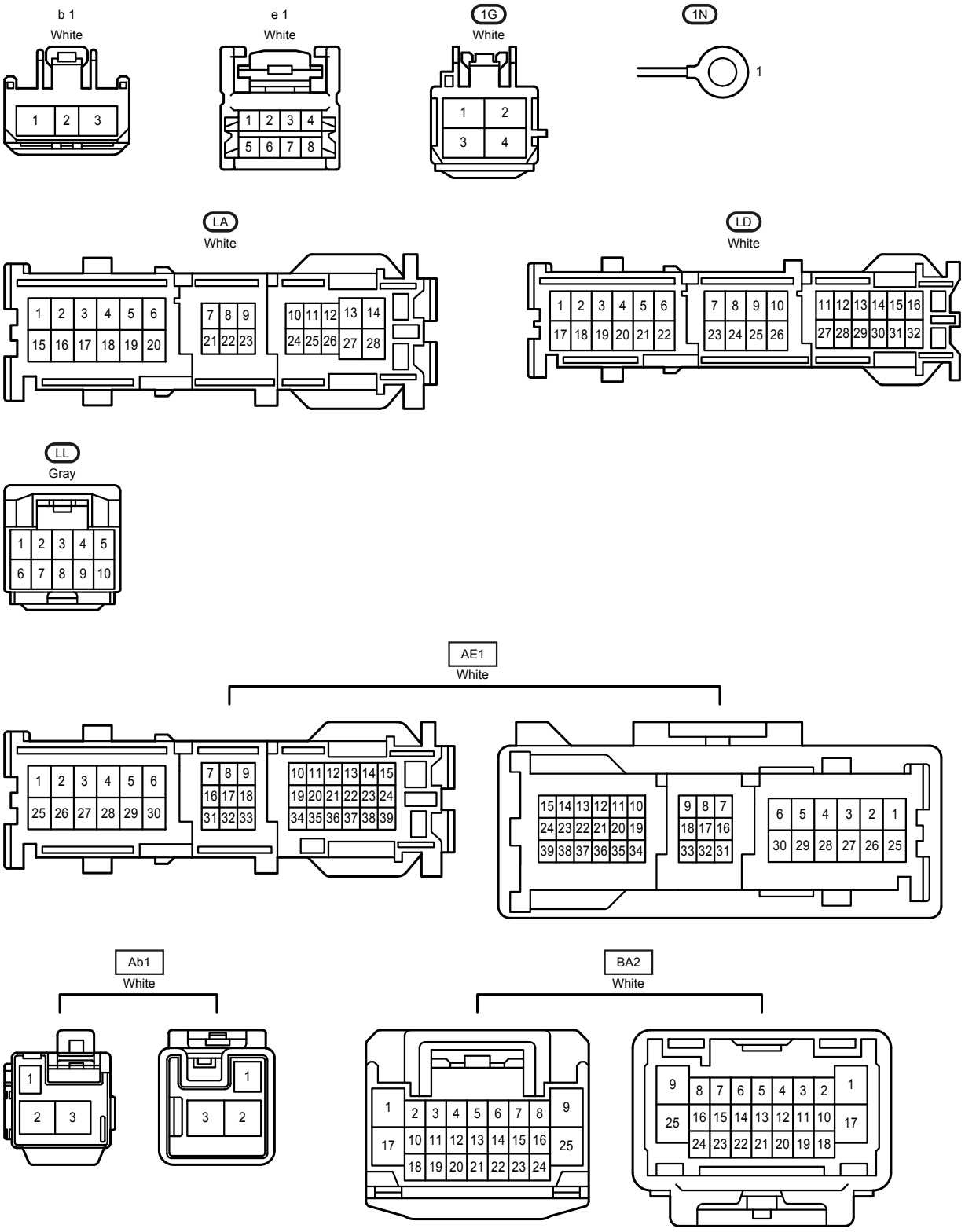


J 98
Gray



K 1
Black




b 1
White
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1G
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1N
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LA
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LD
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LL
Gray
AE1
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Ab1
White
BA2
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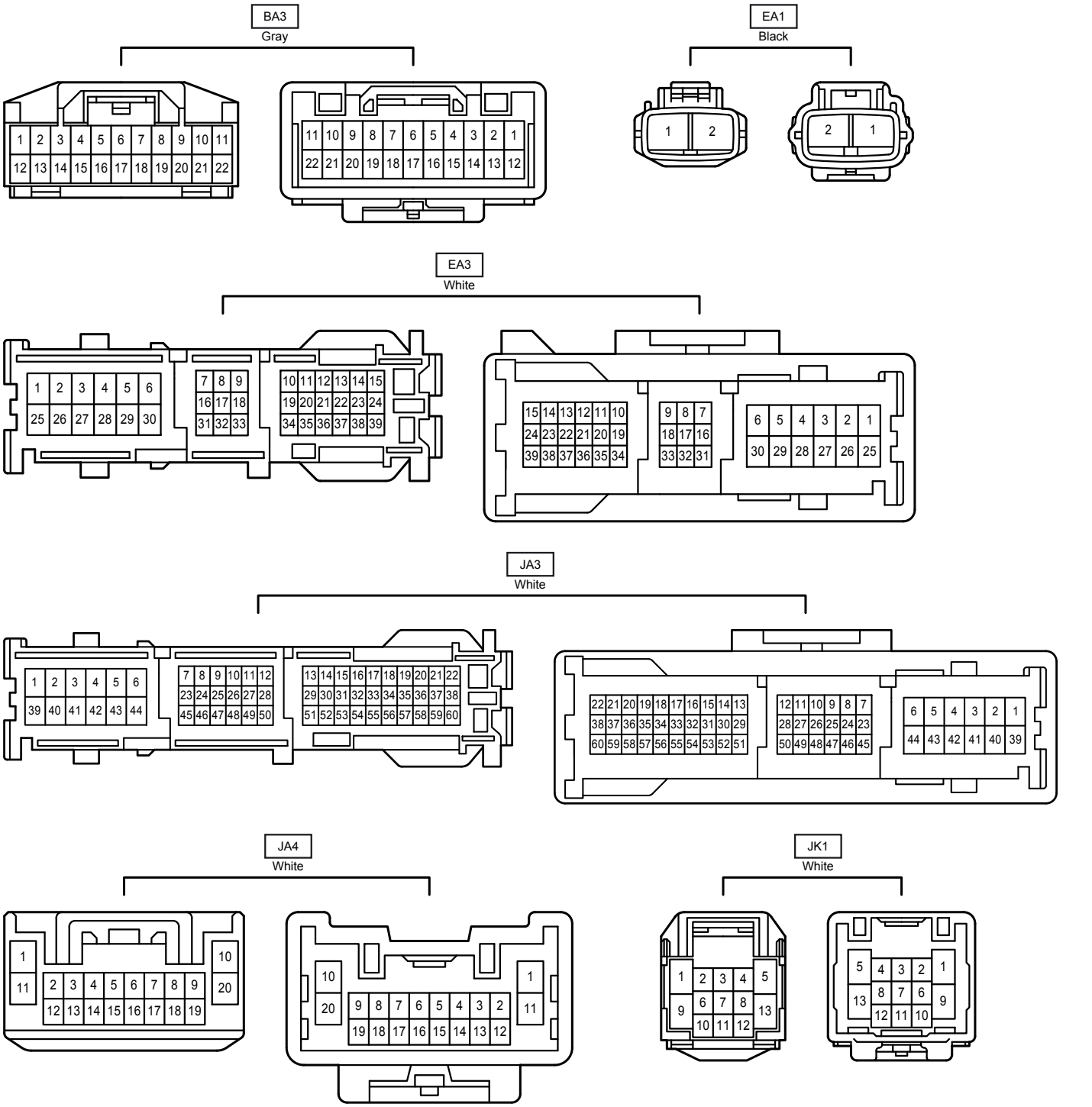
BA3
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EA1
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EA3
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JA3
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JA4
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JK1
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