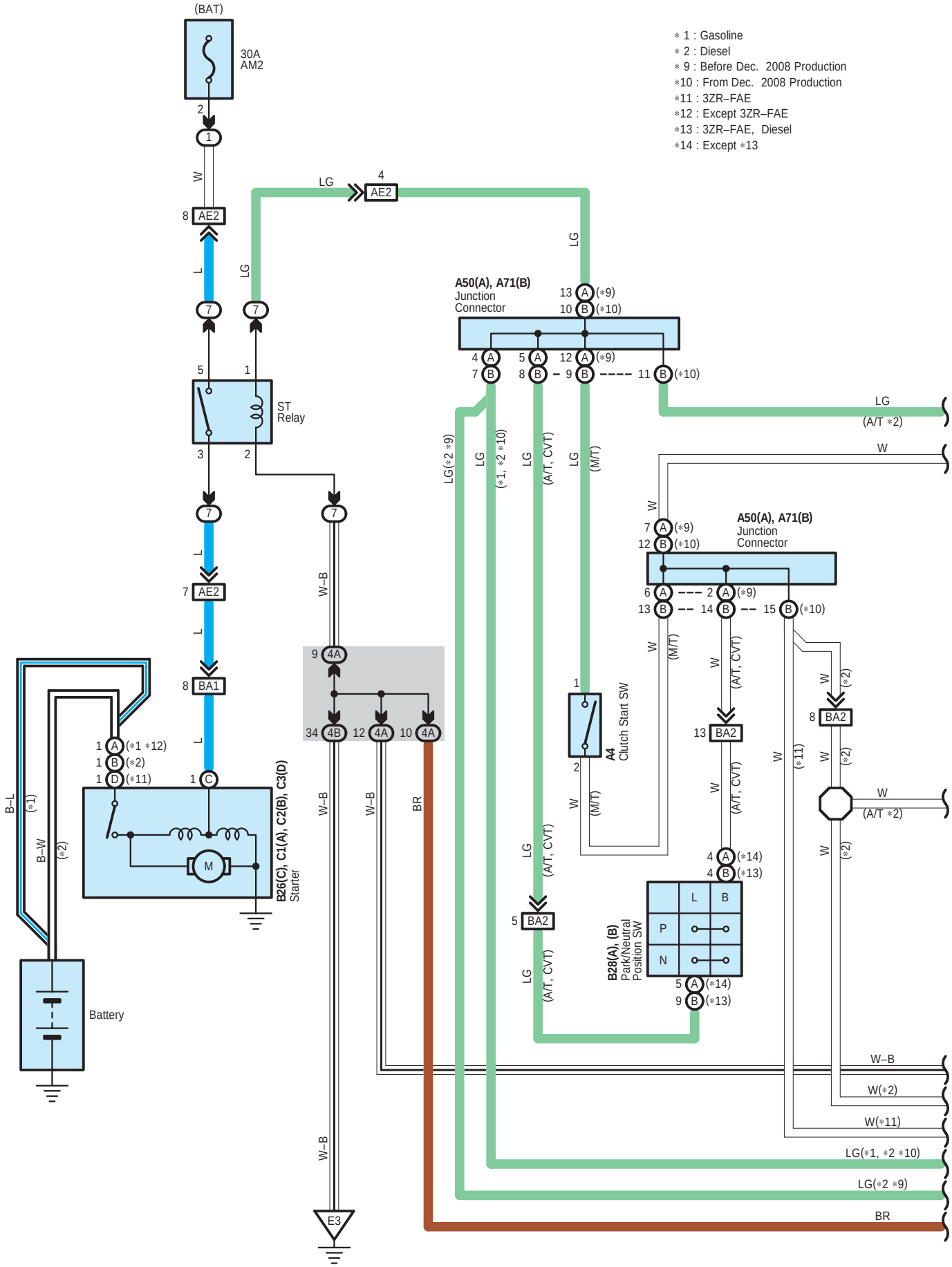
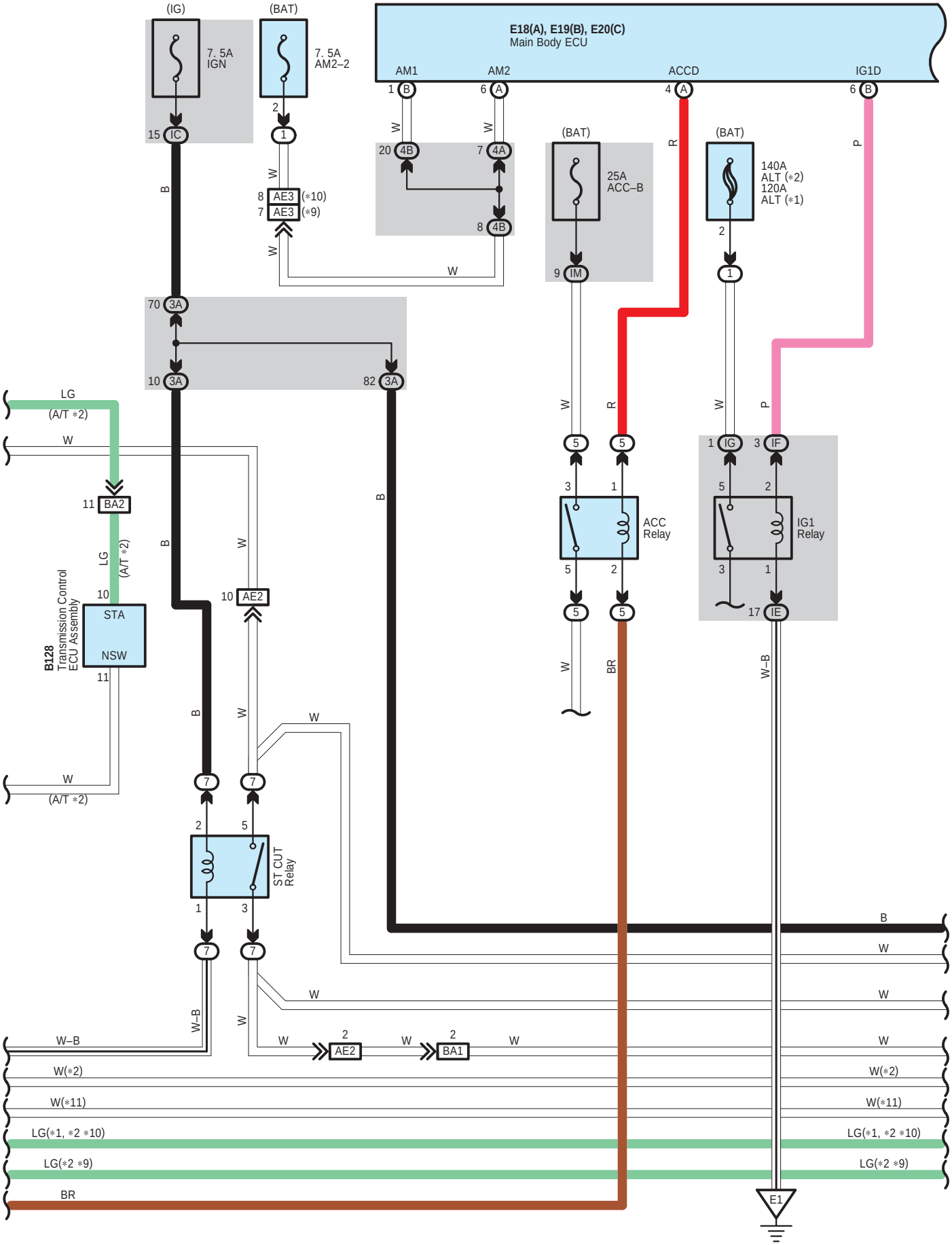
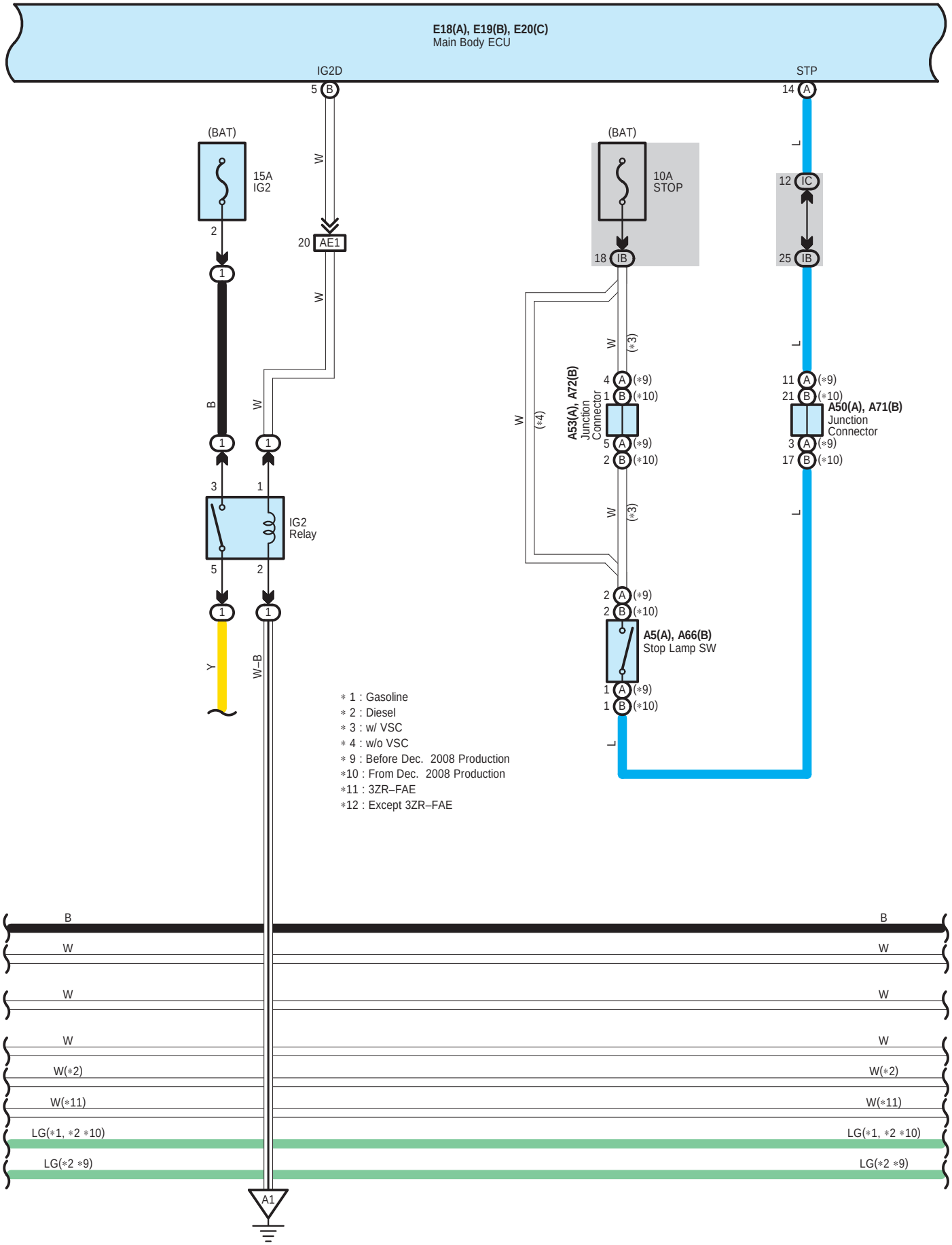
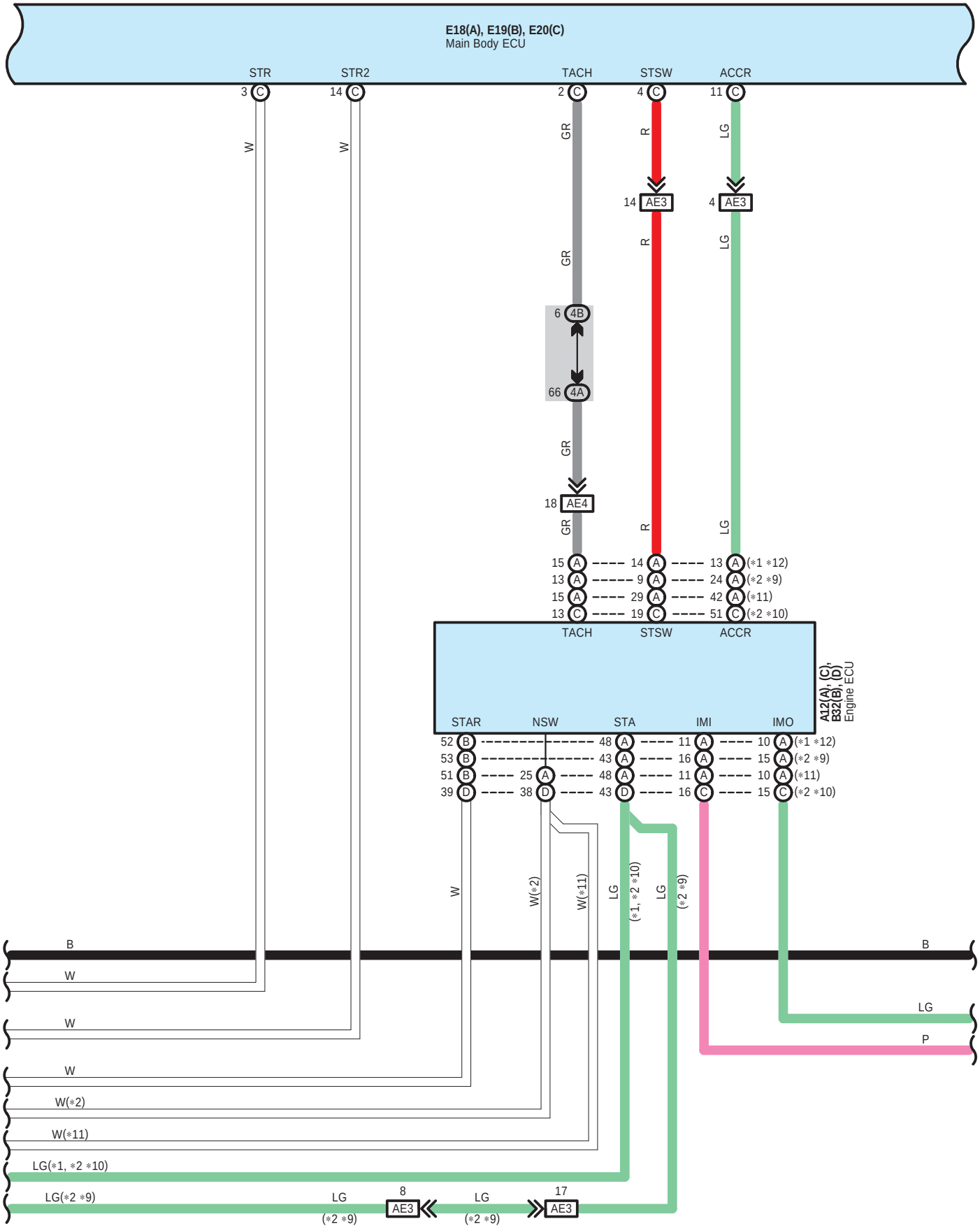
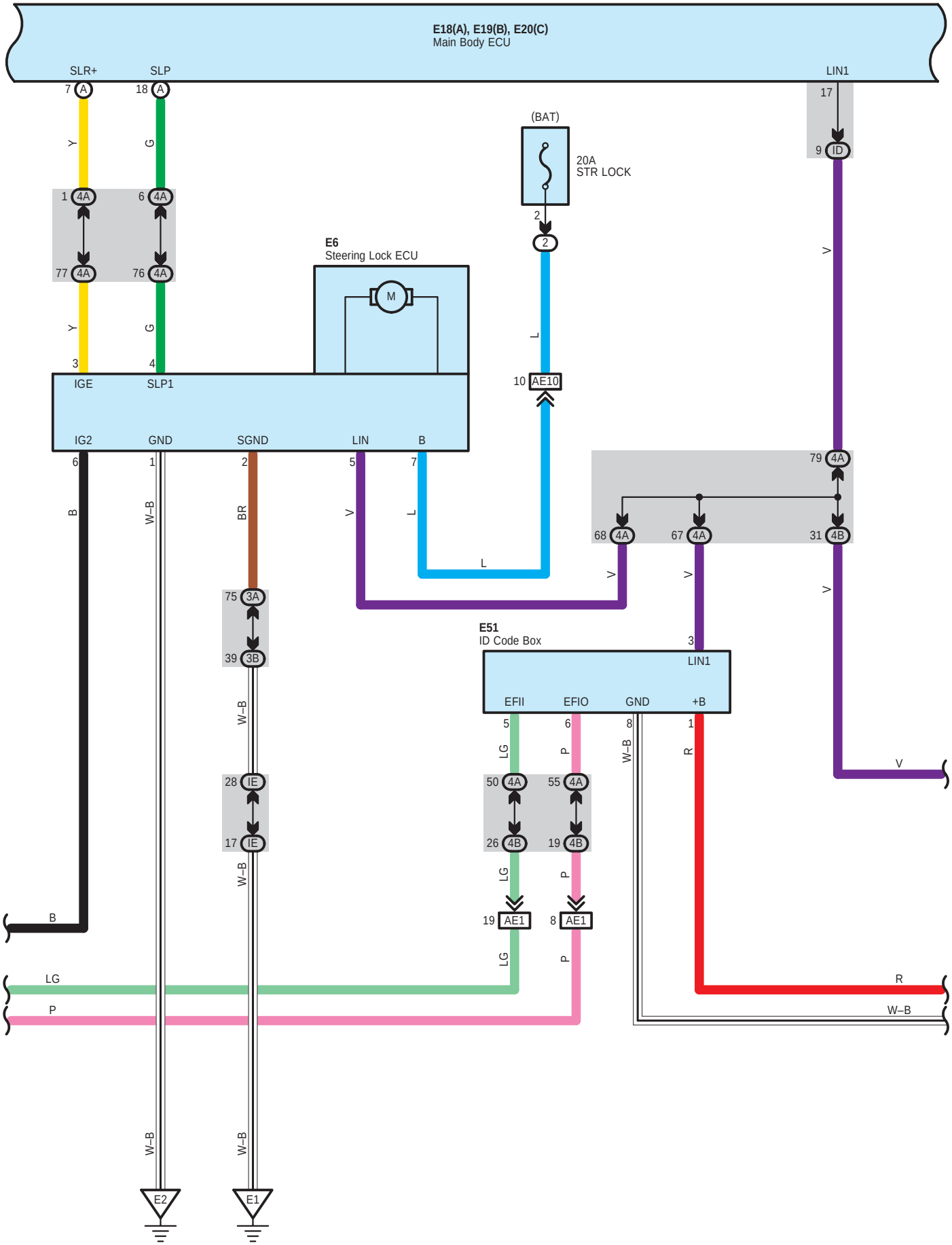
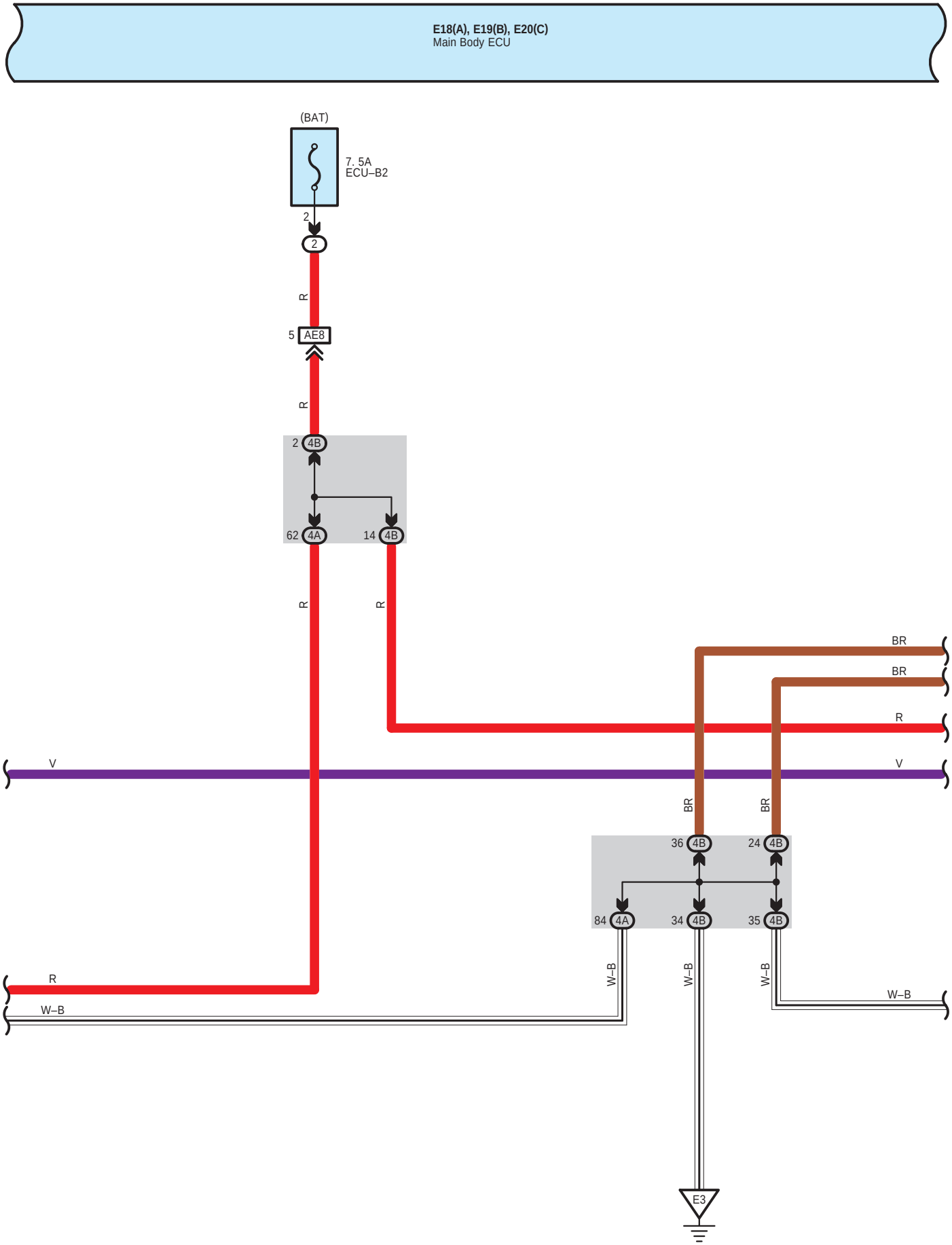

(BAT)
30A
AM2
∗1 : Gasoline
∗2 : Diesel
∗9 : Before Dec. 2008 Production
∗10 : From Dec. 2008 Production
∗11 : 3ZR–FAE
∗12 : Except 3ZR–FAE
∗13 : 3ZR–FAE, Diesel
∗14 : Except ∗13
AE2
BA1
BA2
ST
Relay
A50(A), A71(B)
Junction
Connector
A4
Clutch Start SW
B28(A), (B)
Park/Neutral
Position SW
B26(C), C1(A), C2(B), C3(D)
Starter
Battery
E3
LG
W
L
B–L
B–W
W–B
BR
(A/T ∗2)
(A/T, CVT)
(M/T)
(∗1, ∗2 ∗10)
LG(∗2 ∗9)
LG(∗1, ∗2 ∗10)
W(∗2)
W(∗11)

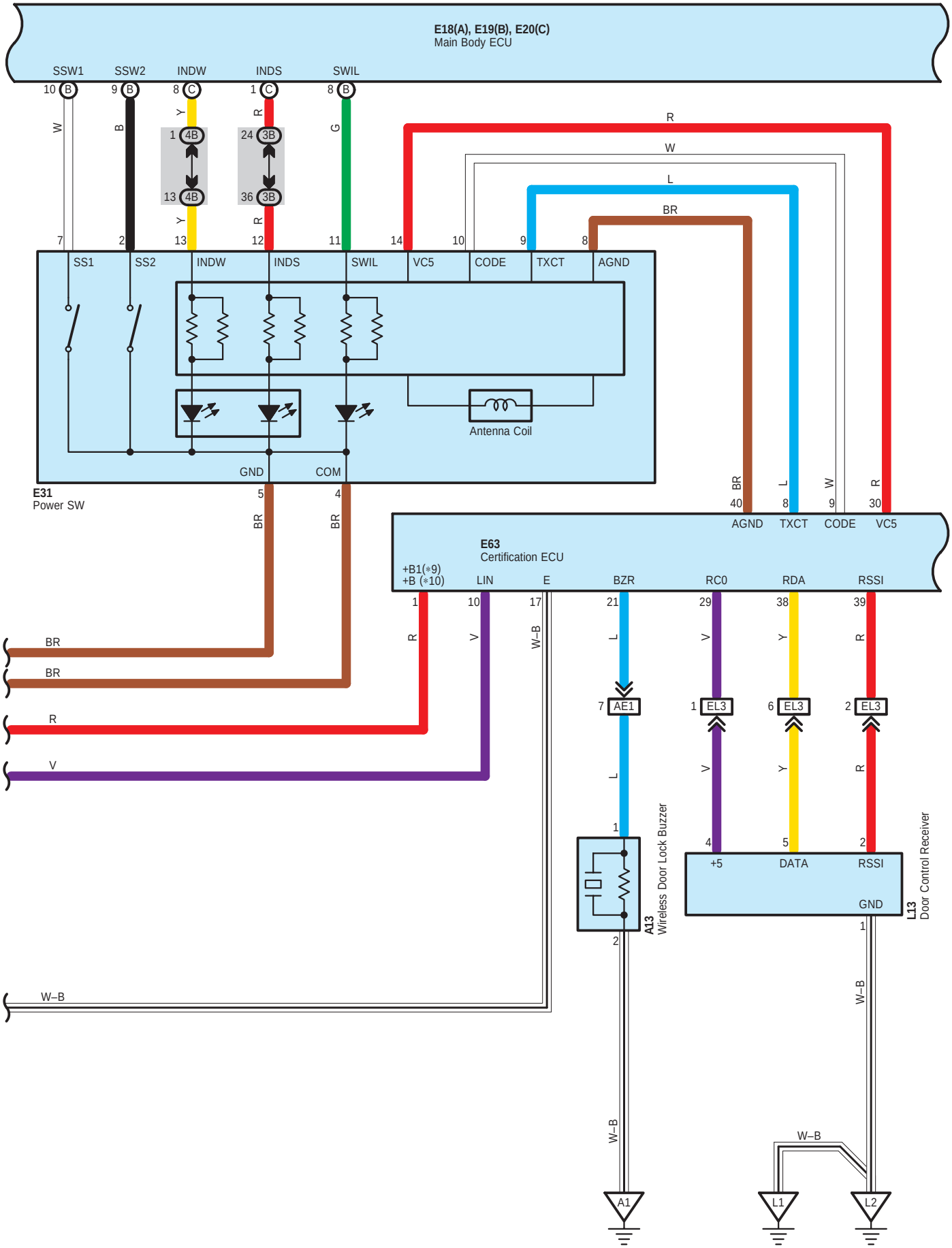

(IG)
7. 5A
IGN
(BAT)
7. 5A
AM2–2
E18(A), E19(B), E20(C)
Main Body ECU
AM1
AM2
ACCD
IG1D
(BAT)
25A
ACC–B
(BAT)
140A
ALT (*2)
120A
ALT (*1)
ACC
Relay
IG1
Relay
ST CUT
Relay
B128
Transmission Control
ECU Assembly
STA
NSW
AE3 (*10)
AE3 (*9)
BA2
AE2
BA1
LG
(A/T *2)
W
W–B
W(*2)
W(*11)
LG(*1, *2 *10)
LG(*2 *9)
BR
E1

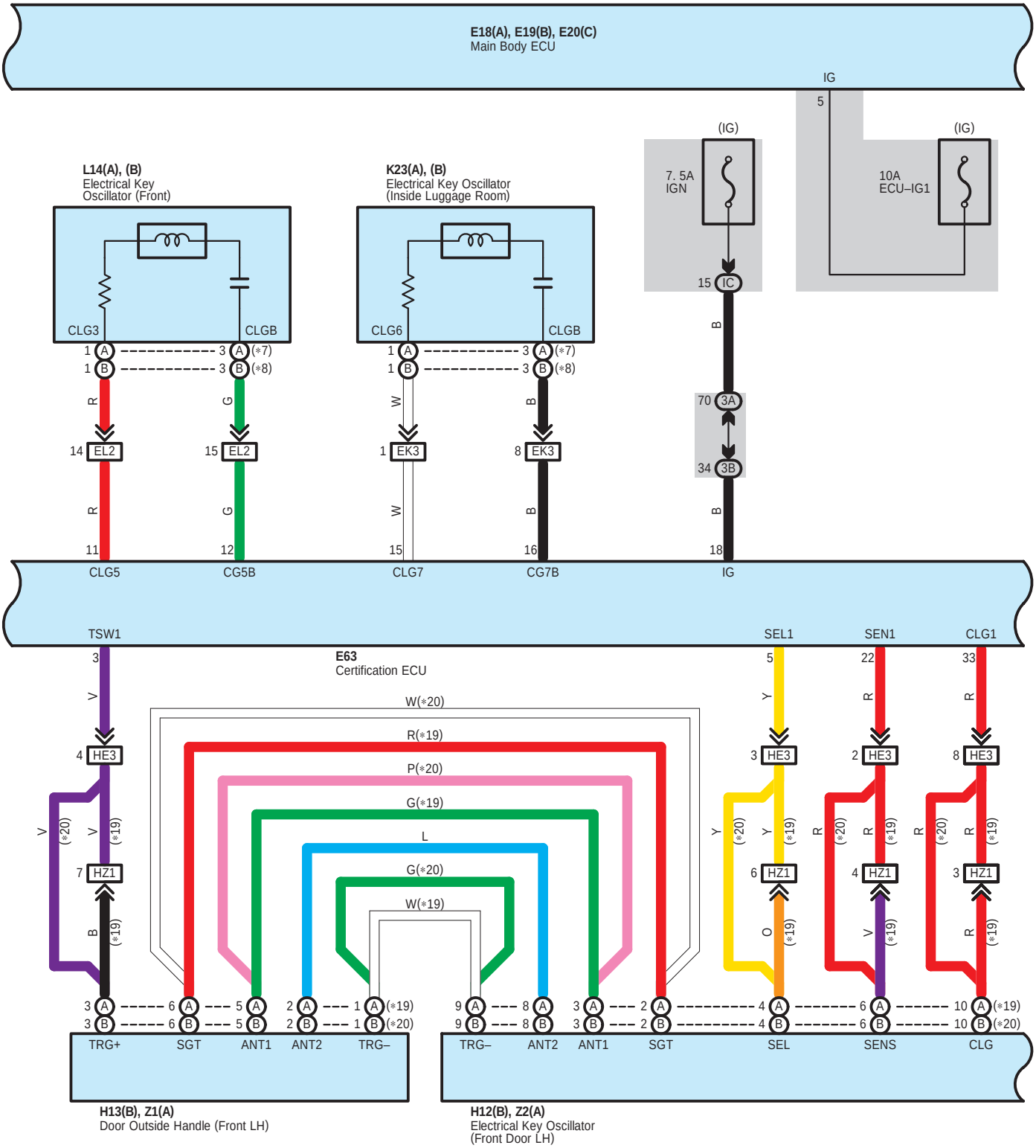

E18(A), E19(B), E20(C)
Main Body ECU
IG2D
STP
(BAT)
15A
IG2
10A
STOP
AE1
IG2
Relay
A53(A), A72(B)
Junction
Connector
A50(A), A71(B)
Junction
Connector
A5(A), A66(B)
Stop Lamp SW
A1
∗1 : Gasoline
∗2 : Diesel
∗3 : w/ VSC
∗4 : w/o VSC
∗9 : Before Dec. 2008 Production
∗10 : From Dec. 2008 Production
∗11 : 3ZR–FAE
∗12 : Except 3ZR–FAE
B
W
W(∗2)
W(∗11)
LG(∗1, ∗2 ∗10)
LG(∗2 ∗9)


E18(A), E19(B), E20(C)
Main Body ECU
STR
STR2
TACH
STSW
ACCR
3 C
14 C
2 C
4 C
11 C
W
W
GR
R
LG
14 AE3
4 AE3
R
LG
GR
6 4B
66 4A
GR
18 AE4
GR
R
LG
15 A ---- 14 A ---- 13 A (*1 *12)
13 A ---- 9 A ---- 24 A (*2 *9)
15 A ---- 29 A ---- 42 A (*11)
13 C ---- 19 C ---- 51 C (*2 *10)
TACH
STSW
ACCR
A12(A), (C), B32(B), (D)
Engine ECU
STAR
NSW
STA
IMI
IMO
52 B ---- 48 A ---- 11 A ---- 10 A (*1 *12)
53 B ---- 43 A ---- 16 A ---- 15 A (*2 *9)
51 B ---- 25 A ---- 48 A ---- 11 A ---- 10 A (*11)
39 D ---- 38 D ---- 43 D ---- 16 C ---- 15 C (*2 *10)
W
W(*2)
W(*11)
LG
(*1, *2 *10)
LG
(*2 *9)
B
B
W
W
LG
P
W
W(*2)
W(*11)
LG(*1, *2 *10)
LG(*2 *9)
LG
(*2 *9)
8
AE3
LG
(*2 *9)
17
AE3

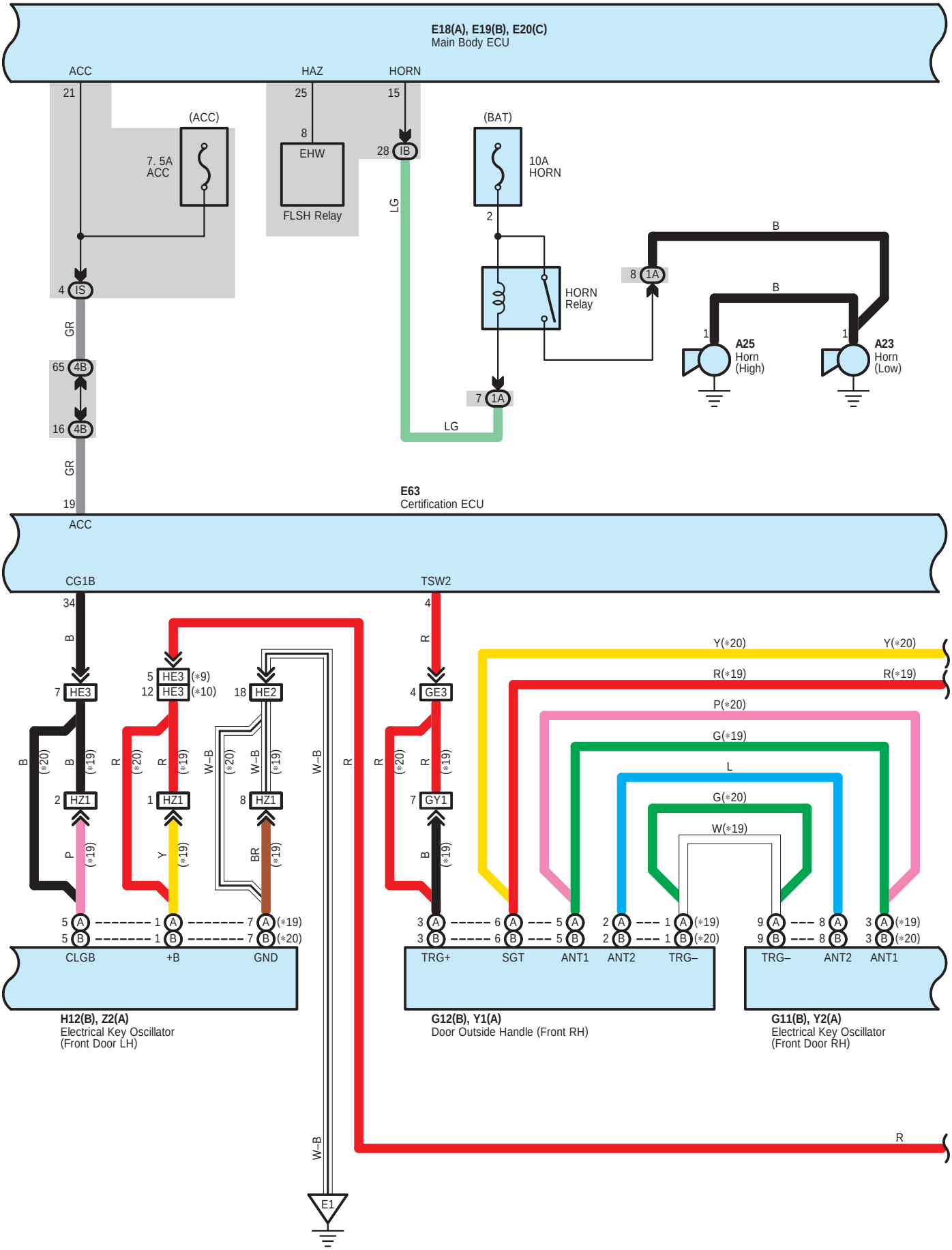

E18(A), E19(B), E20(C)
Main Body ECU
SLR+
SLP
LIN1
7 A
18 A
17
9 ID
(BAT)
20A
STR LOCK
2
2
1 4A
6 4A
77 4A
76 4A
E6
Steering Lock ECU
M
3
4
IGE
SLP1
10 AE10
IG2
GND
SGND
LIN
B
6
1
2
5
7
79 4A
68 4A
67 4A
31 4B
75 3A
39 3B
E51
ID Code Box
3
LIN1
EFII
EFIO
GND
+B
5
6
8
1
28 IE
17 IE
50 4A
55 4A
26 4B
19 4B
19 AE1
8 AE1
LG
P
W–B
R
V
B
E2
E1

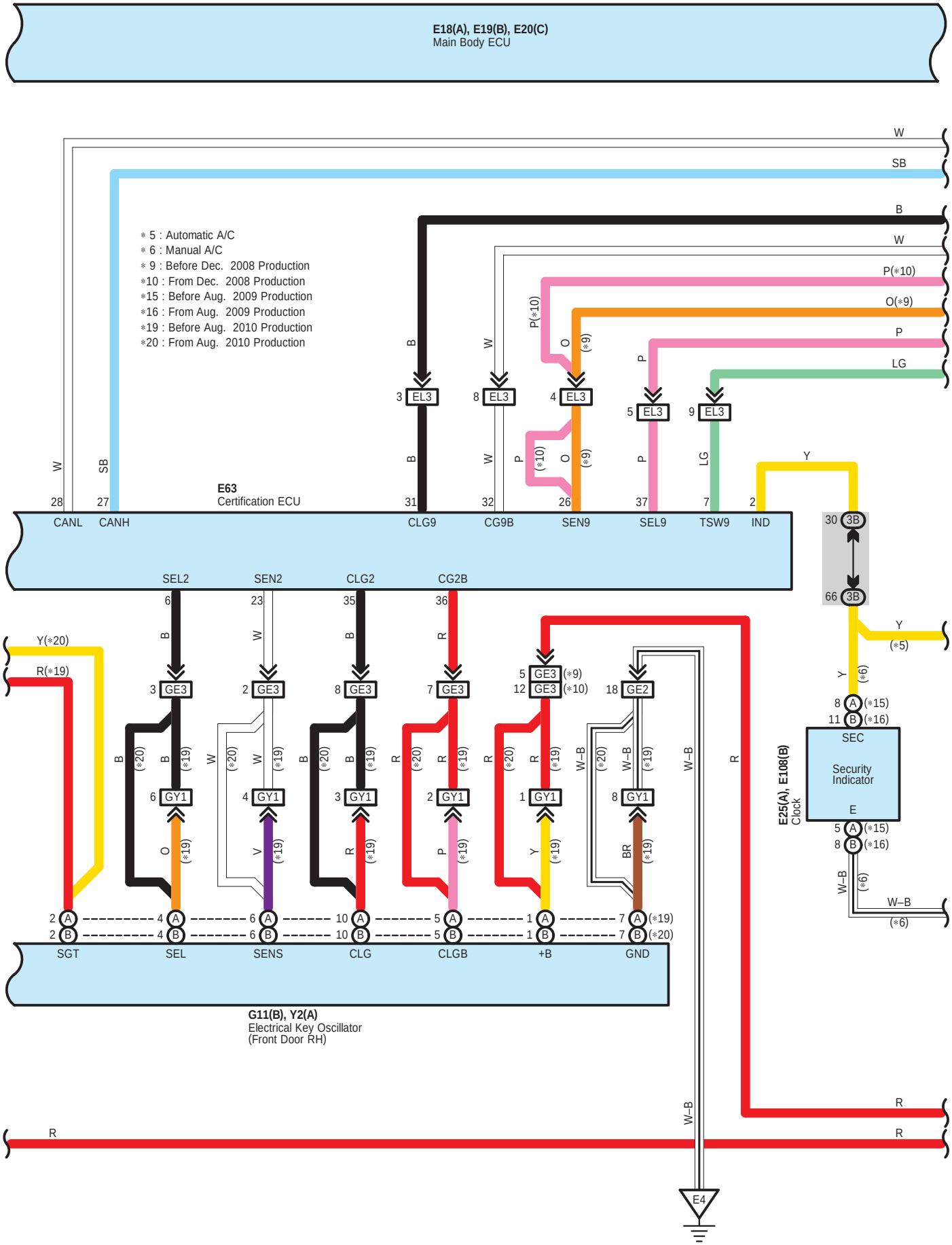

E18(A), E19(B), E20(C)
Main Body ECU
(BAT)
7. 5A
ECU–B2
2
2
R
5
AE8
R
2
4B
62
4A
14
4B
R
R
BR
BR
R
V
V
BR
BR
36
4B
24
4B
84
4A
34
4B
35
4B
W–B
W–B
W–B
W–B
R
W–B
E3

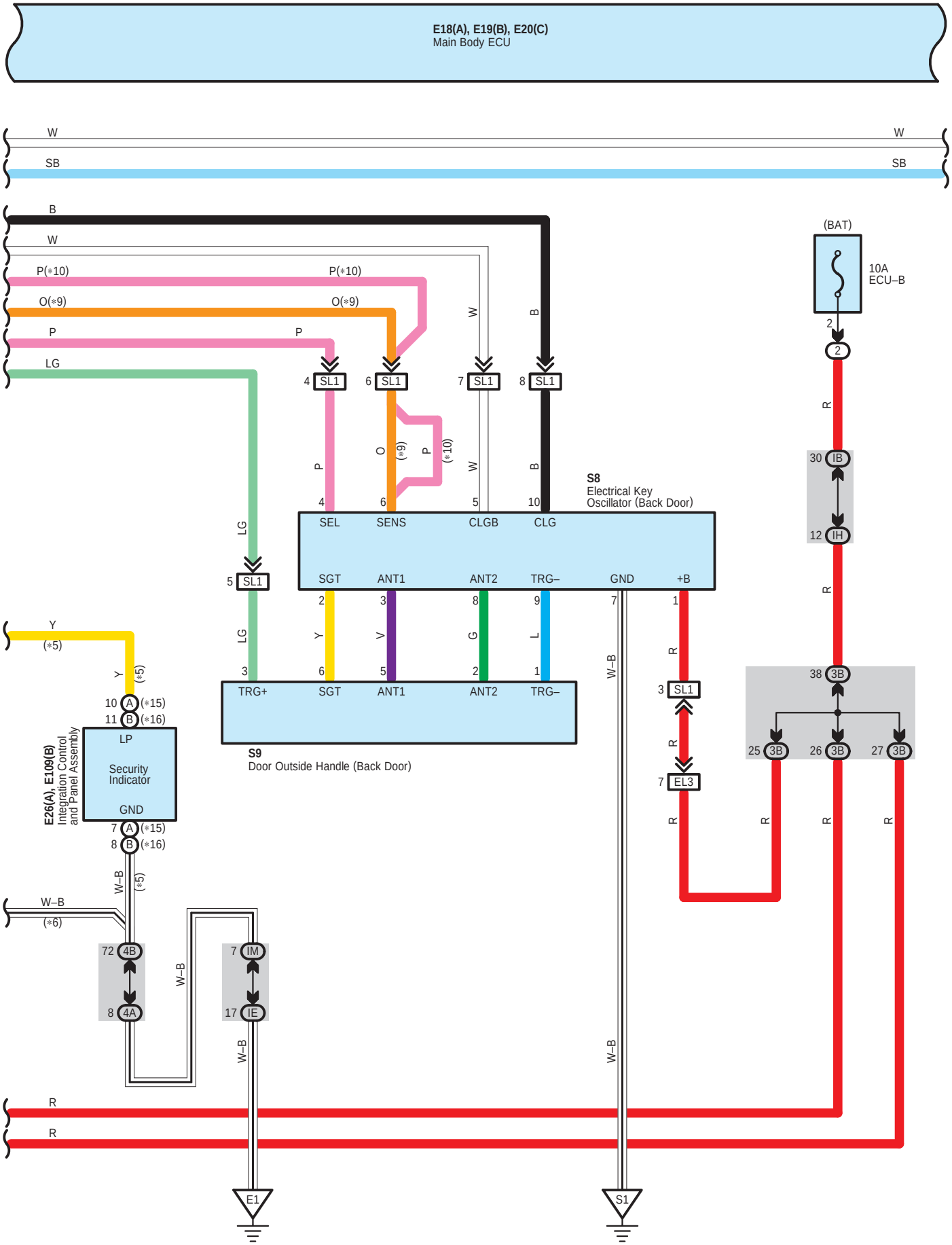

E18(A), E19(B), E20(C)
Main Body ECU
SSW1
SSW2
INDW
INDS
SWIL
SS1
SS2
VC5
CODE
TXCT
AGND
Antenna Coil
GND
COM
E31
Power SW
E63
Certification ECU
+B1(*9)
+B (*10)
LIN
E
BZR
RC0
RDA
RSSI
AE1
EL3
A13
Wireless Door Lock Buzzer
+5
DATA
L13
Door Control Receiver
A1
L1
L2

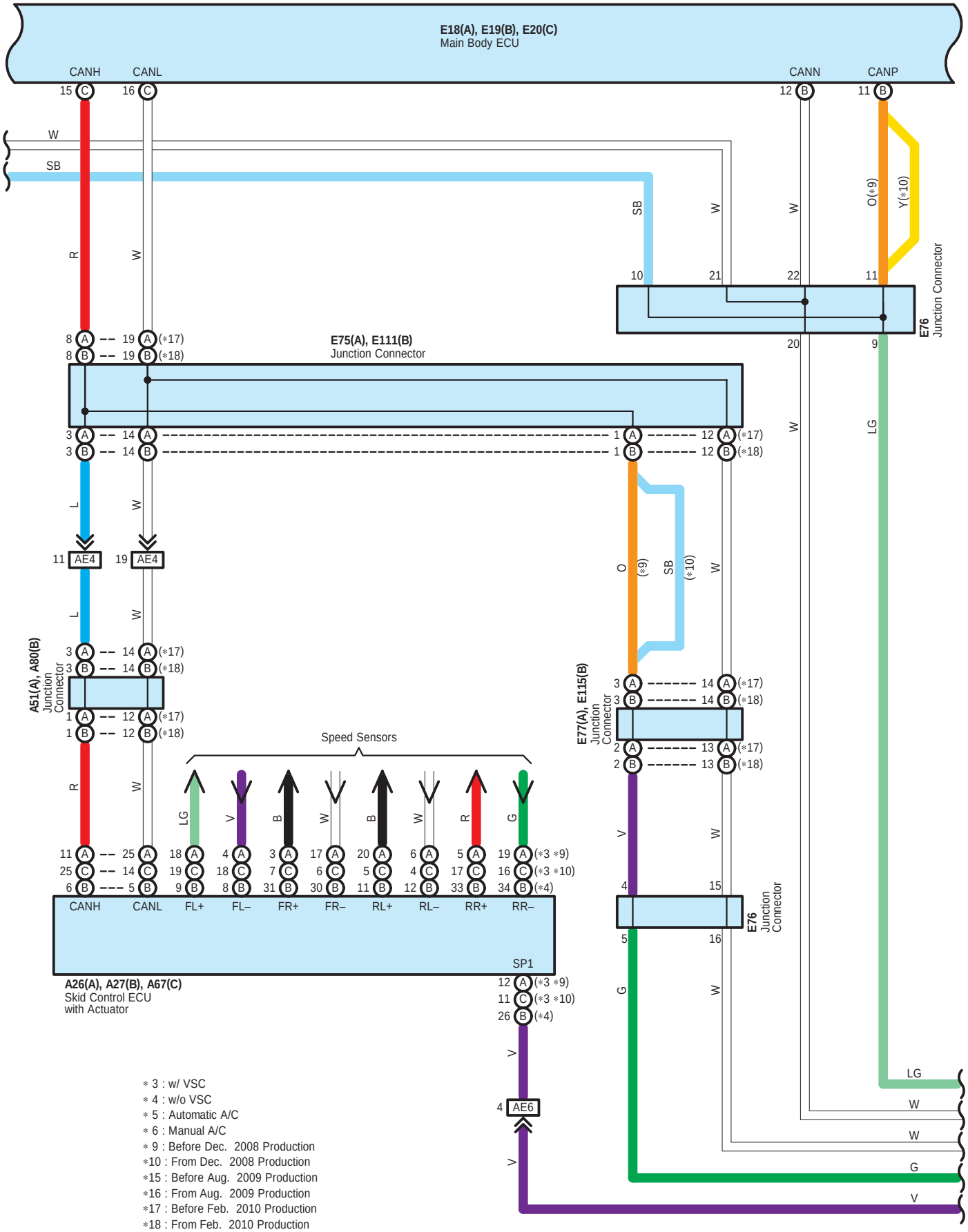


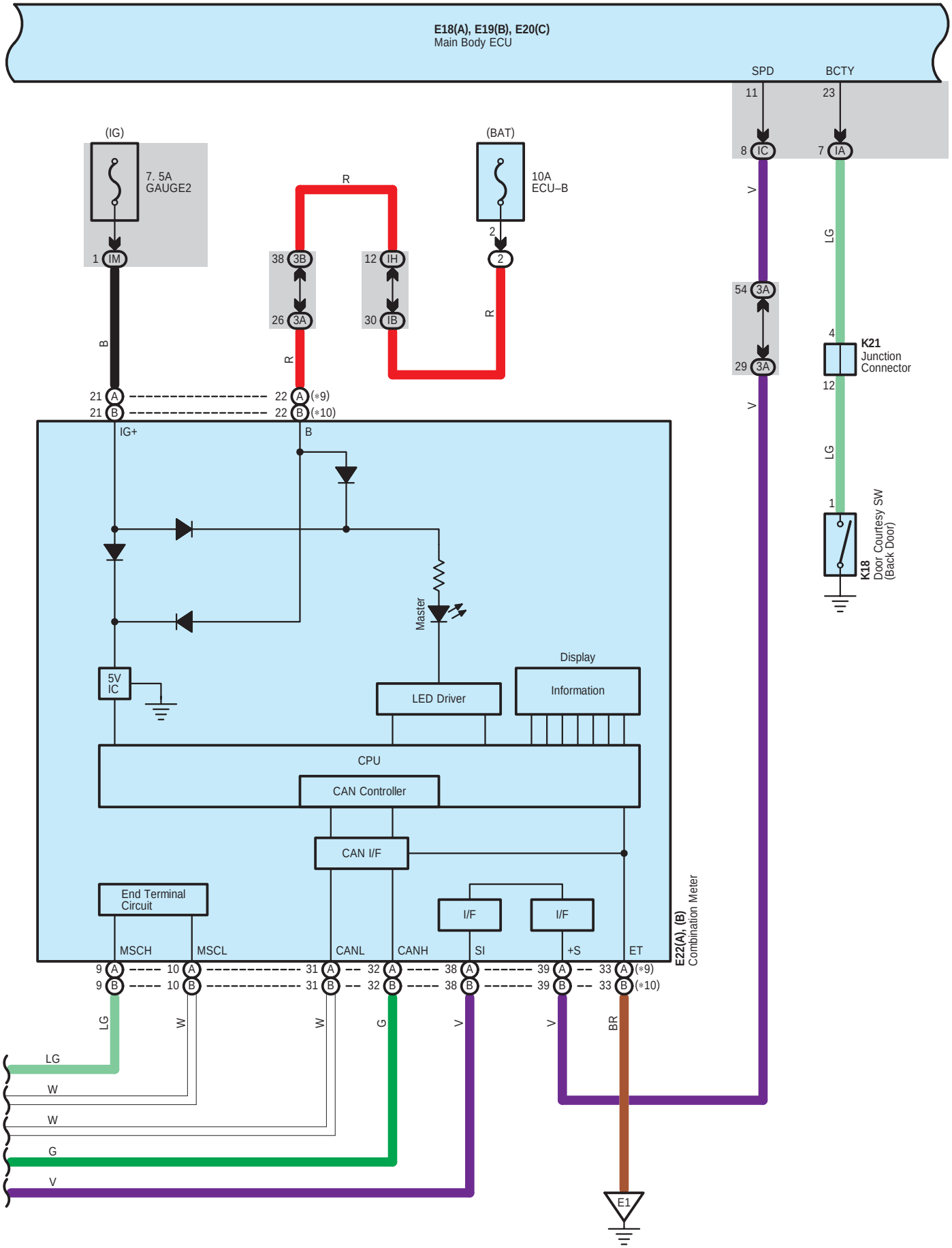
∗ 7 : Before Aug. 2007 Production
∗ 8 : From Aug. 2007 Production
∗ 9 : Before Dec. 2008 Production
∗10 : From Dec. 2008 Production
∗19 : Before Aug. 2010 Production
∗20 : From Aug. 2010 Production

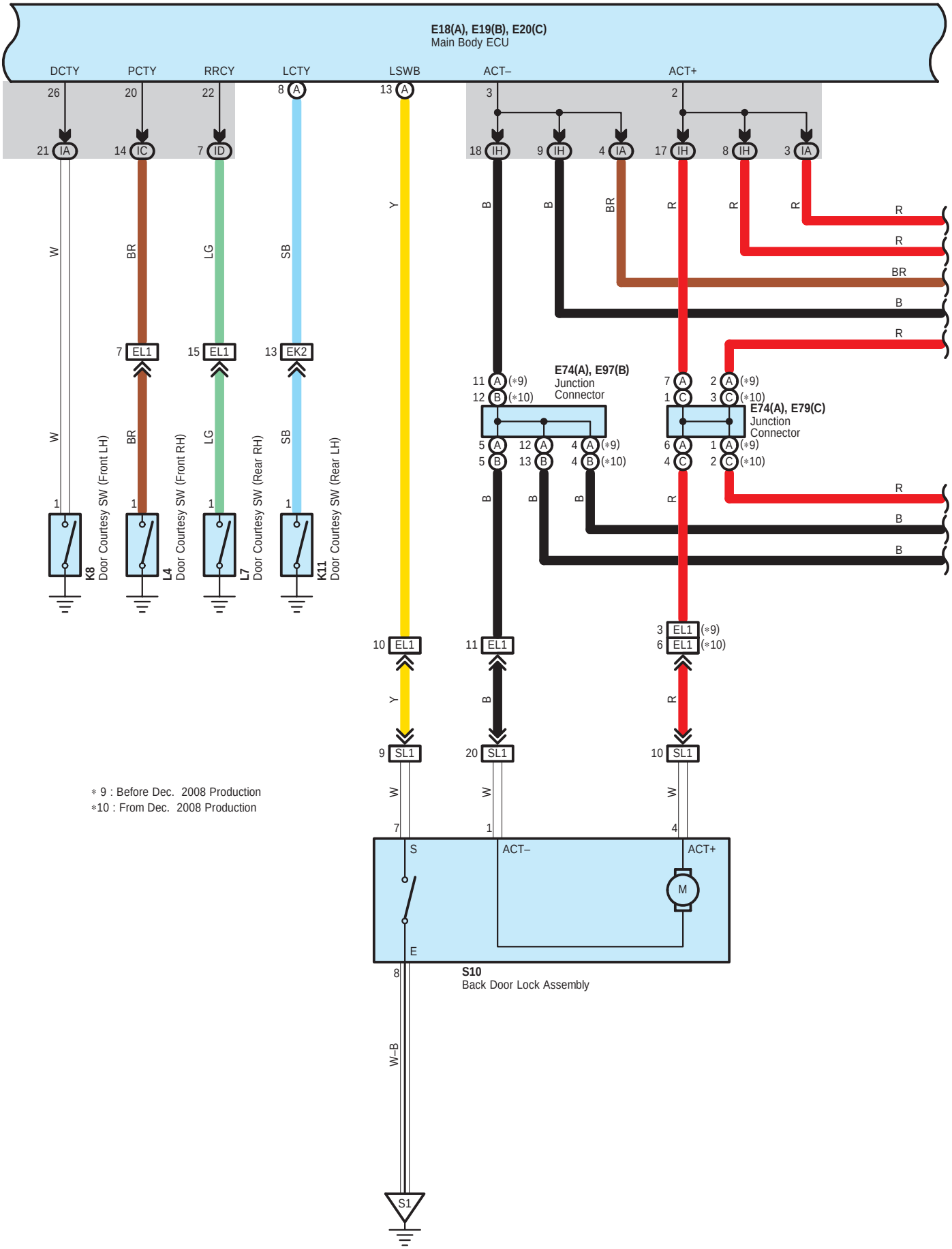

E18(A), E19(B), E20(C)
Main Body ECU
ACC
HAZ
HORN
21
25
15
(ACC)
7. 5A
ACC
8
EHW
FLSH Relay
28 IB
LG
(BAT)
10A
HORN
2
HORN
Relay
B
8 1A
B
1
A25
Horn
(High)
1
A23
Horn
(Low)
4 IS
GR
65 4B
16 4B
GR
7 1A
LG
19
ACC
E63
Certification ECU
CG1B
TSW2
34
B
7 HE3
5 HE3 (*9)
12 HE3 (*10)
18 HE2
4
R
4 GE3
Y(*20)
Y(*20)
R(*19)
R(*19)
P(*20)
G(*19)
L
G(*20)
W(*19)
B (*20)
B (*19)
R (*20)
R (*19)
W–B (*20)
W–B (*19)
W–B
R
R (*20)
R (*19)
2 HZ1
1 HZ1
8 HZ1
7 GY1
P (*19)
Y (*19)
BR (*19)
B (*19)
5 A
5 B
1 A
1 B
7 A (*19)
7 B (*20)
3 A
3 B
6 A
6 B
5 A
5 B
2 A
2 B
1 A (*19)
1 B (*20)
9 A
9 B
8 A
8 B
3 A (*19)
3 B (*20)
CLGB
+B
GND
TRG+
SGT
ANT1
ANT2
TRG–
TRG–
ANT2
ANT1
H12(B), Z2(A)
Electrical Key Oscillator
(Front Door LH)
G12(B), Y1(A)
Door Outside Handle (Front RH)
G11(B), Y2(A)
Electrical Key Oscillator
(Front Door RH)
R
W–B
E1

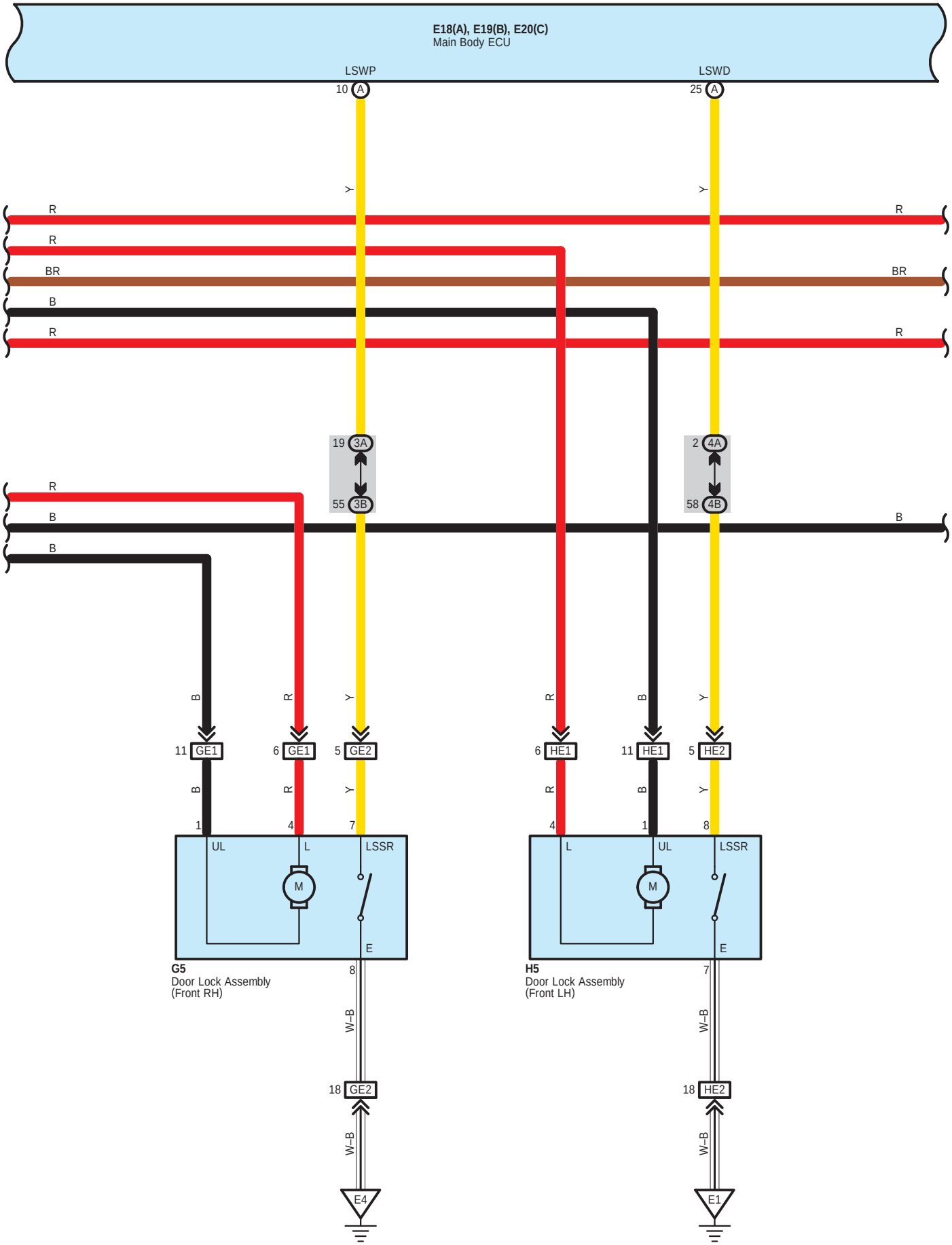

E18(A), E19(B), E20(C)
Main Body ECU
∗ 5 : Automatic A/C
∗ 6 : Manual A/C
∗ 9 : Before Dec. 2008 Production
∗10 : From Dec. 2008 Production
∗15 : Before Aug. 2009 Production
∗16 : From Aug. 2009 Production
∗19 : Before Aug. 2010 Production
∗20 : From Aug. 2010 Production
E63
Certification ECU
CANL
CANH
CLG9
CG9B
SEN9
SEL9
TSW9
IND
SEL2
SEN2
CLG2
CG2B
SGT
SEL
SENS
CLG
CLGB
+B
GND
G11(B), Y2(A)
Electrical Key Oscillator
(Front Door RH)
E25(A), E108(B)
Clock
SEC
Security Indicator
E
E4

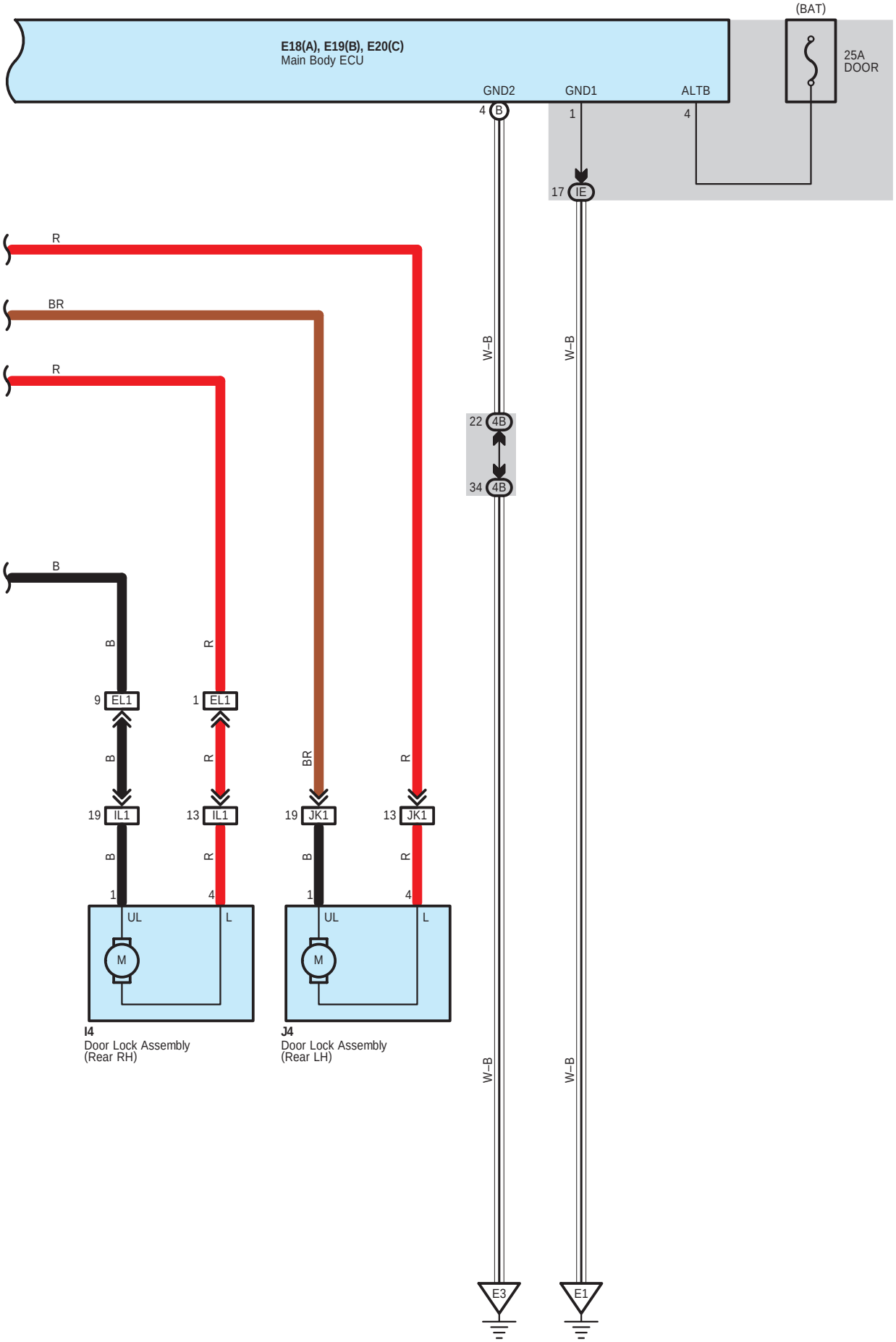

E18(A), E19(B), E20(C)
Main Body ECU
W
SB
B
P(*10)
O(*9)
P
LG
(BAT)
10A
ECU–B
SL1
S8
Electrical Key
Oscillator (Back Door)
SEL
SENS
CLGB
CLG
SGT
ANT1
ANT2
TRG–
GND
+B
TRG+
S9
Door Outside Handle (Back Door)
Y
(*5)
(*15)
(*16)
E26(A), E109(B)
Integration Control
and Panel Assembly
LP
Security
Indicator
GND
W–B
(*6)
IB
IH
3B
EL3
4B
4A
IM
IE
E1
S1


E18(A), E19(B), E20(C)
Main Body ECU
CANH
CANL
CANN
CANP
E75(A), E111(B)
Junction Connector
E76
Junction Connector
A51(A), A80(B)
Junction Connector
E77(A), E115(B)
Junction Connector
Speed Sensors
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
SP1
A26(A), A27(B), A67(C)
Skid Control ECU
with Actuator
AE4
AE6
∗3 : w/ VSC
∗4 : w/o VSC
∗5 : Automatic A/C
∗6 : Manual A/C
∗9 : Before Dec. 2008 Production
∗10 : From Dec. 2008 Production
∗15 : Before Aug. 2009 Production
∗16 : From Aug. 2009 Production
∗17 : Before Feb. 2010 Production
∗18 : From Feb. 2010 Production

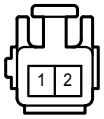

E18(A), E19(B), E20(C)
Main Body ECU
SPD
BCTY
11
23
8 IC
7 IA
(IG)
7. 5A
GAUGE2
1 IM
(BAT)
10A
ECU–B
2
R
38 3B
26 3A
12 IH
30 IB
54 3A
29 3A
4
K21
Junction
Connector
12
1
K18
Door Courtesy SW
(Back Door)
B
V
LG
21 A
21 B
22 A (*9)
22 B (*10)
IG+
B
Master
5V
IC
LED Driver
Display
Information
CPU
CAN Controller
CAN I/F
End Terminal
Circuit
I/F
I/F
MSCH
MSCL
CANL
CANH
SI
+S
ET
E22(A), (B)
Combination Meter
9 A
9 B
10 A
10 B
31 A
31 B
32 A
32 B
38 A
38 B
39 A
39 B
33 A (*9)
33 B (*10)
LG
W
G
BR
E1


E18(A), E19(B), E20(C)
Main Body ECU
DCTY
PCTY
RRCY
LCTY
LSWB
ACT–
ACT+
E74(A), E97(B)
Junction Connector
E74(A), E79(C)
Junction Connector
K8
Door Courtesy SW (Front LH)
L4
Door Courtesy SW (Front RH)
L7
Door Courtesy SW (Rear RH)
K11
Door Courtesy SW (Rear LH)
∗9 : Before Dec. 2008 Production
∗10 : From Dec. 2008 Production
S10
Back Door Lock Assembly
S1

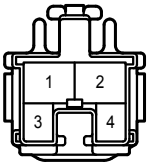

E18(A), E19(B), E20(C)
Main Body ECU
LSWP
10 A
LSWD
25 A
Y
R
BR
B
19 3A
55 3B
2 4A
58 4B
11 GE1
6 GE1
5 GE2
6 HE1
11 HE1
5 HE2
1
4
7
8
UL
L
LSSR
M
E
G5
Door Lock Assembly
(Front RH)
H5
Door Lock Assembly
(Front LH)
W–B
18 GE2
18 HE2
E4
E1


E18(A), E19(B), E20(C)
Main Body ECU
GND2
GND1
ALTB
(BAT)
25A
DOOR
4 B
1
4
17 IE
R
BR
R
B
W–B
W–B
22 4B
34 4B
B
R
9 EL1
1 EL1
B
R
BR
R
19 IL1
13 IL1
19 JK1
13 JK1
B
R
B
R
1
4
1
4
UL
L
UL
L
M
M
I4
Door Lock Assembly
(Rear RH)
J4
Door Lock Assembly
(Rear LH)
W–B
W–B
E3
E1

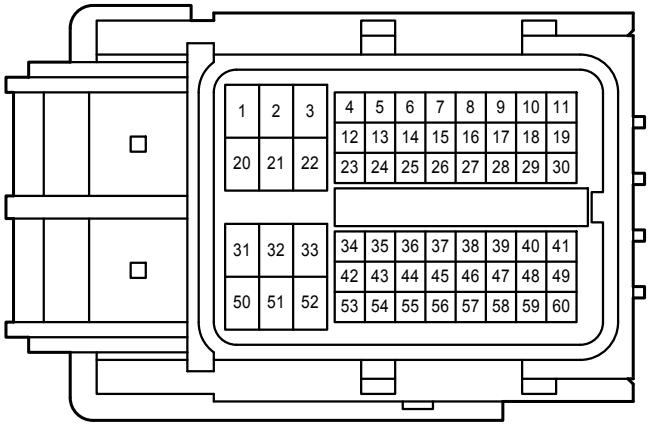
A 4
Black



A 5
Black



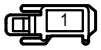
A 12
Black



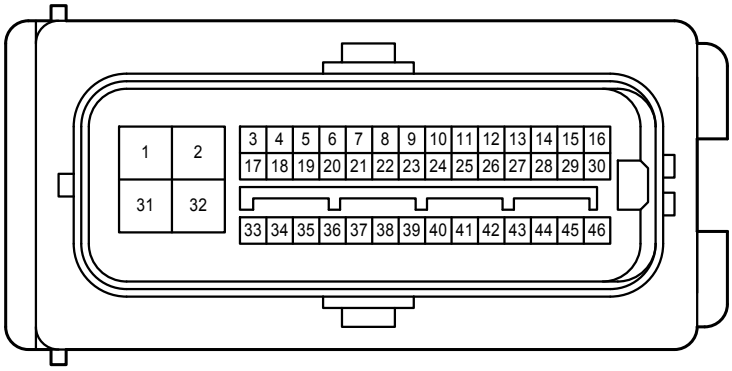
A 13
Black

A 23
Black

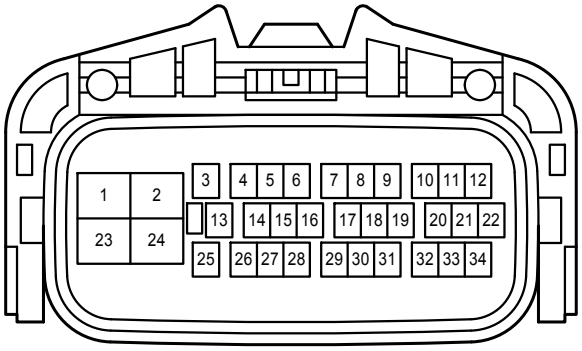
A 25
Black



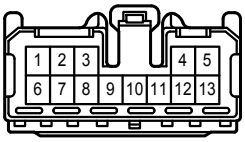
A 26
Black



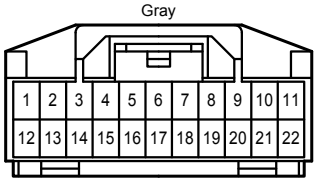
A 27
Black



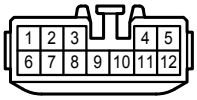
A 50
White



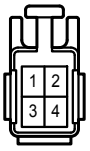
A 51
Gray



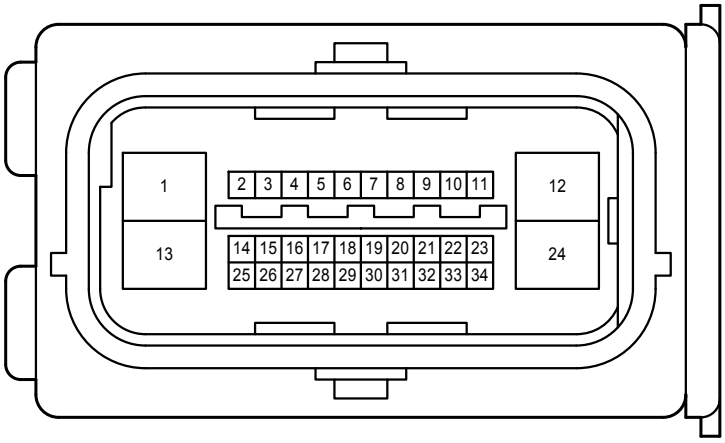
A 53
Black



A 66
White



A 67
Black



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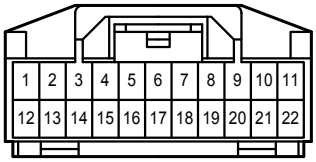

A 72
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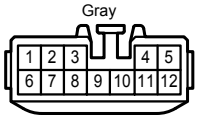

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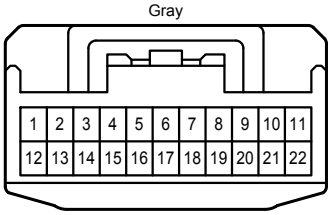

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B 28
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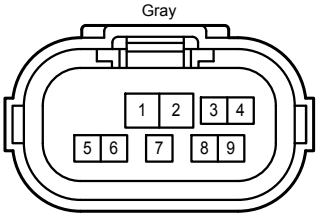

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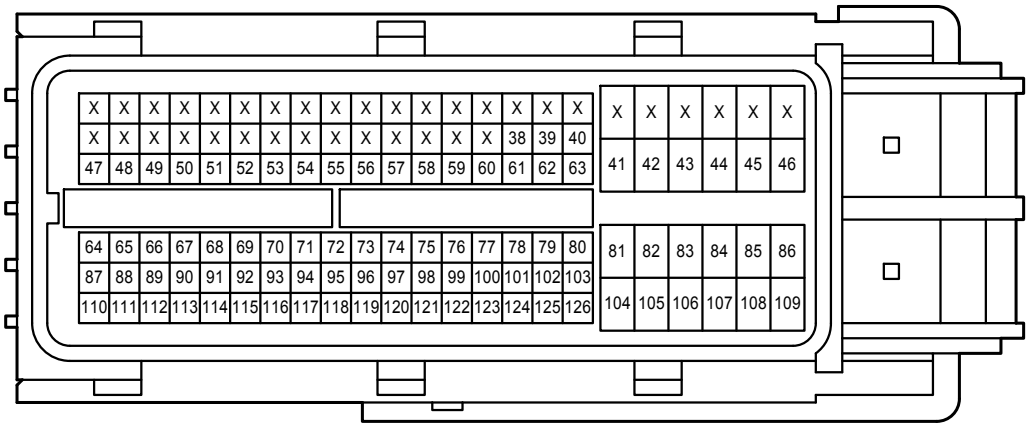

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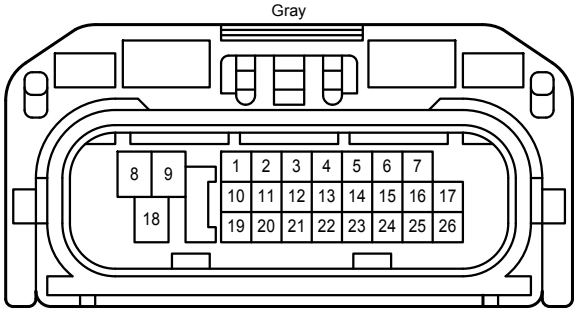

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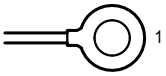

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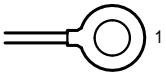

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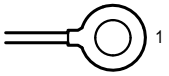

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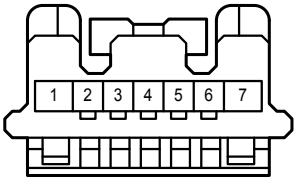

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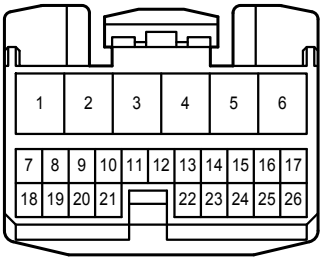

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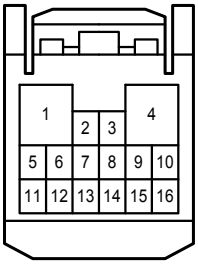

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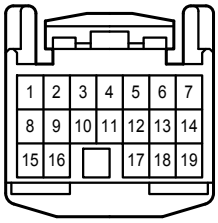

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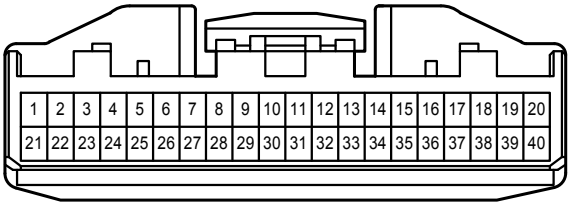

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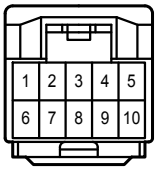

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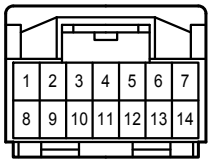

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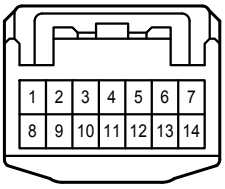

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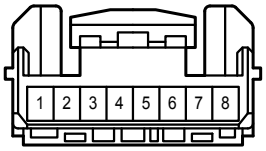

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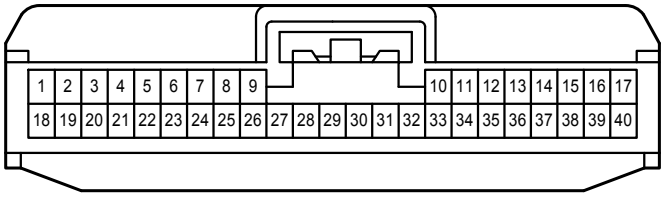

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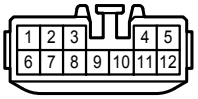

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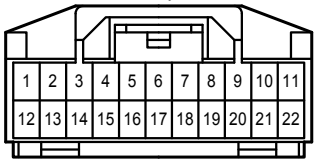

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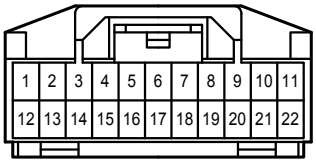

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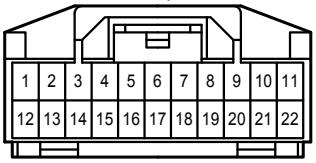

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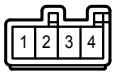

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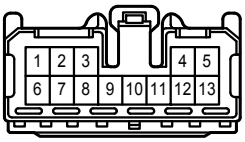

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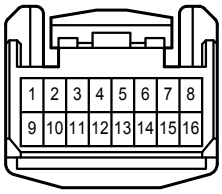

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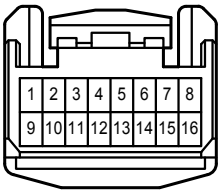

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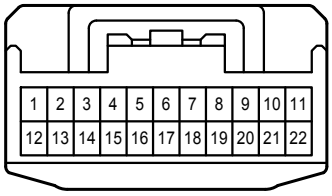

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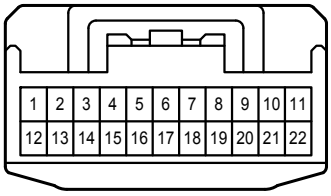

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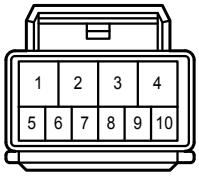

G 11
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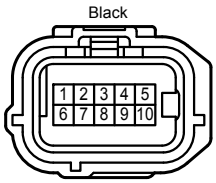

G 12
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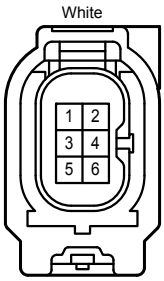

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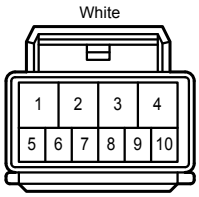

H 12
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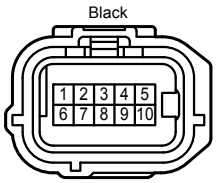

H 13
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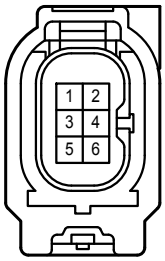

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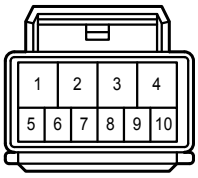

J 4
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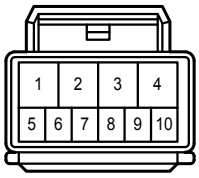

K 8
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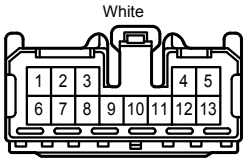
K 11
White

K 18
White

K 21
White



K 23
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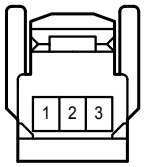

(From Aug. 2007 Production)

K 23
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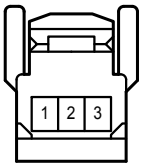

(Before Aug. 2007 Production)

L 4
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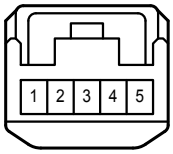
L 7
White

L 13
White



L 14
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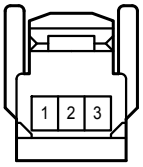

(From Aug. 2007 Production)

L 14
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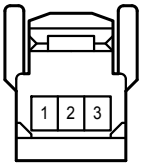

(Before Aug. 2007 Production)

S 8
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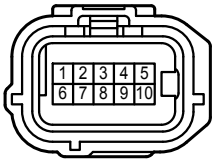

S 9
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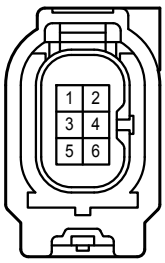

S 10
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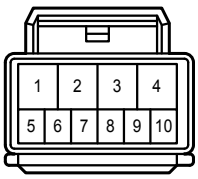

Y 1
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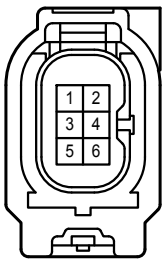

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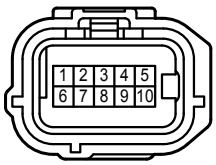

Z 1
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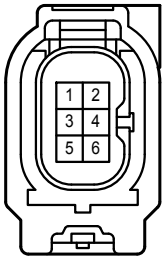

Z 2
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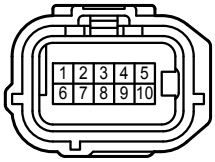

1A
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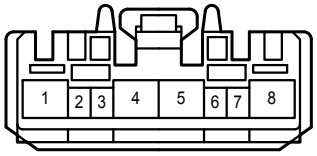

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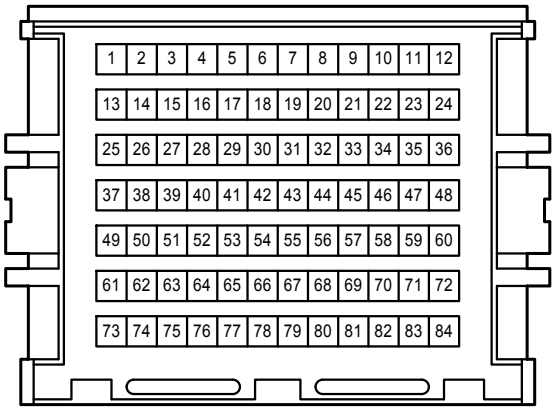

3B
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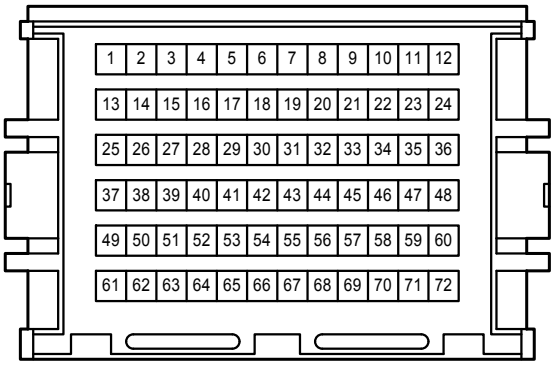

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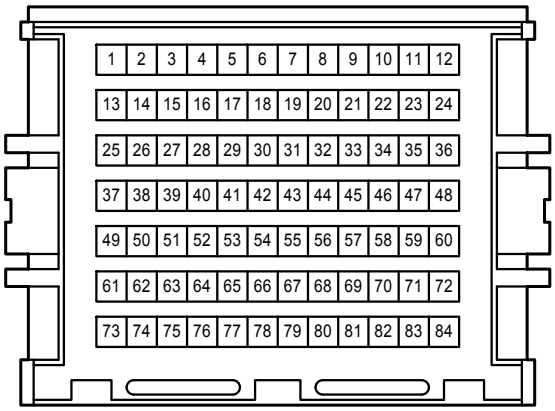

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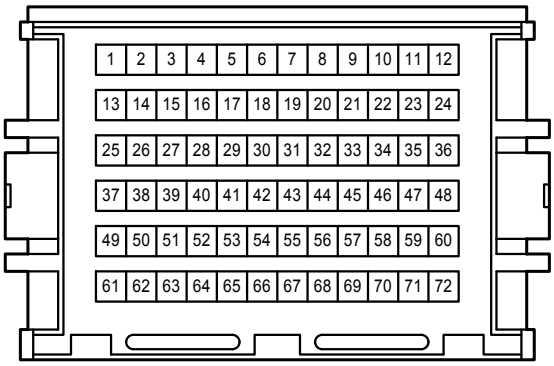

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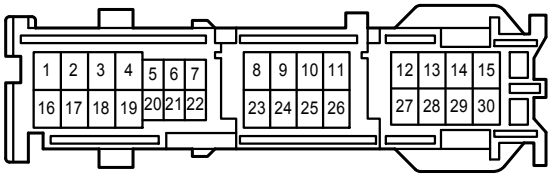

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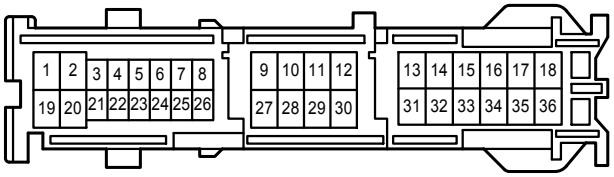

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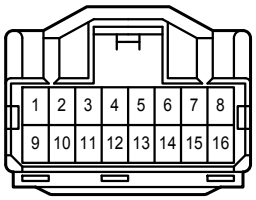

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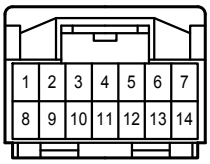

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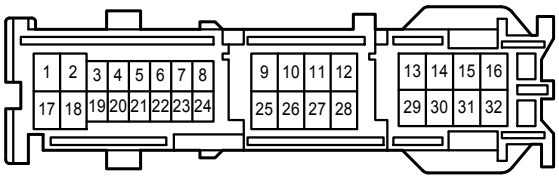

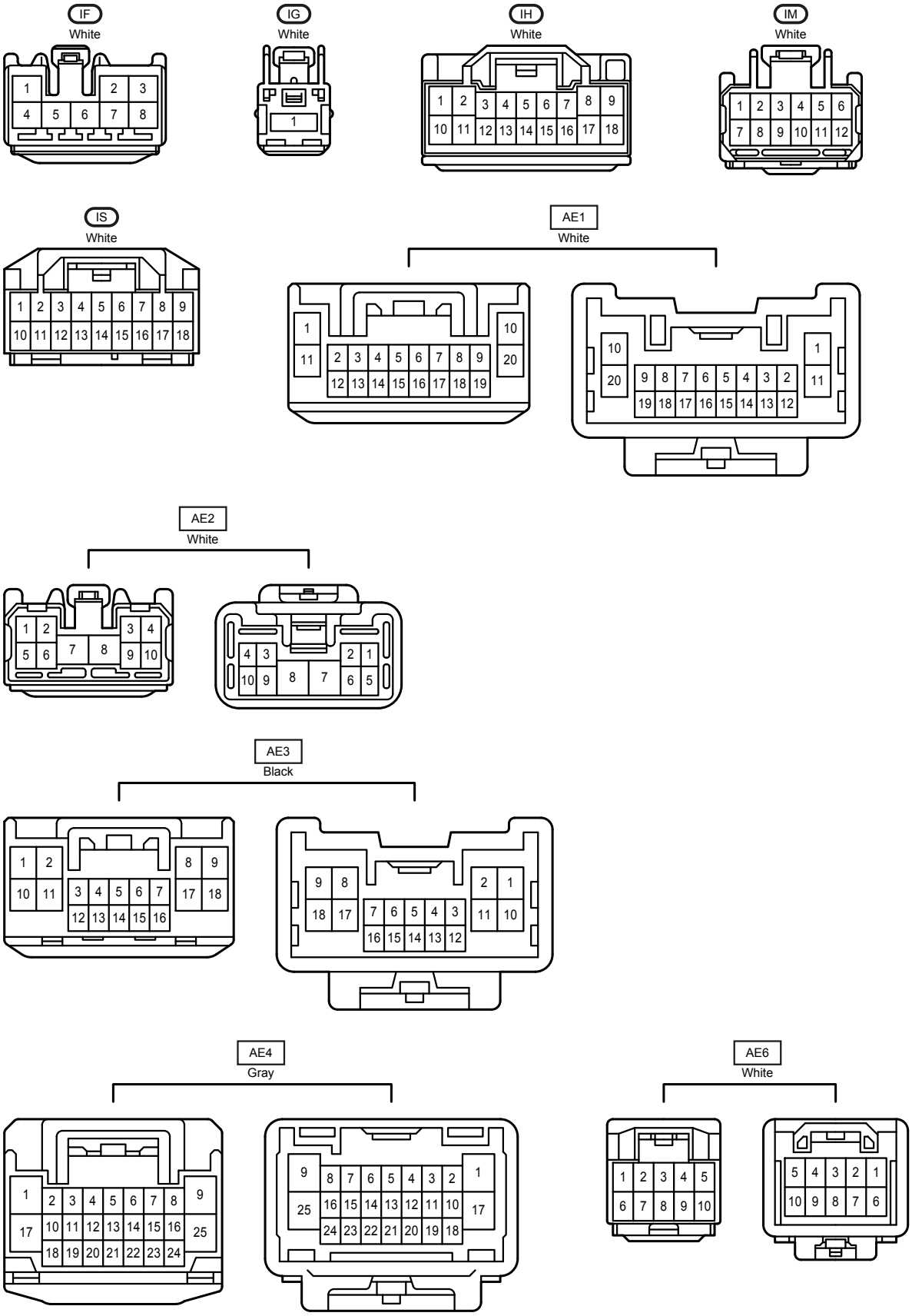
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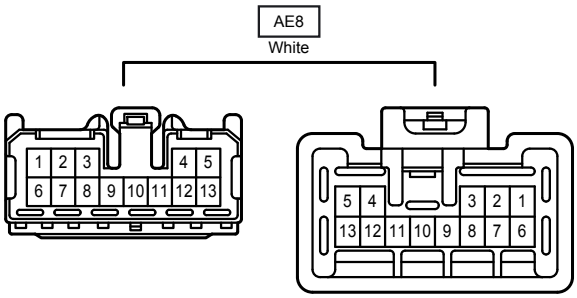
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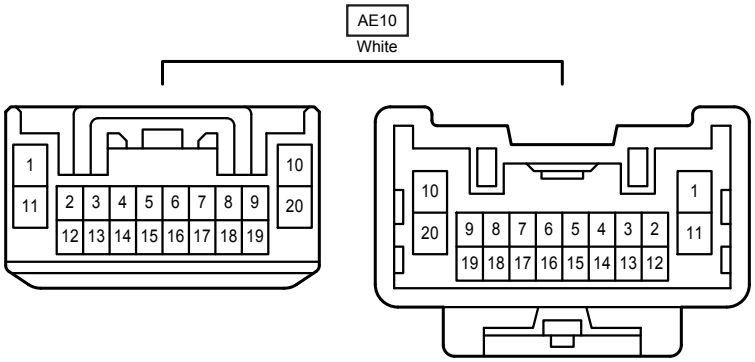
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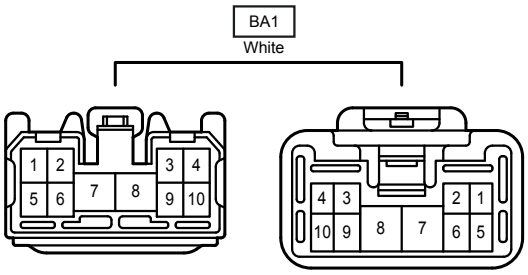
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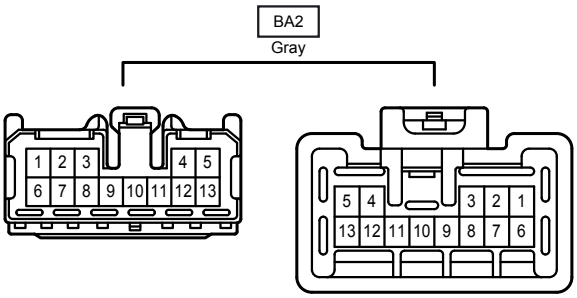
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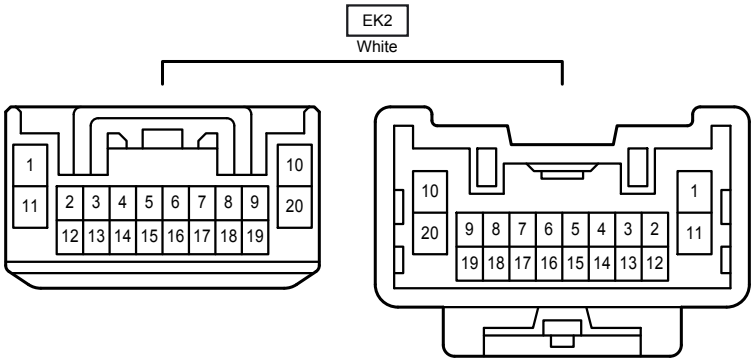
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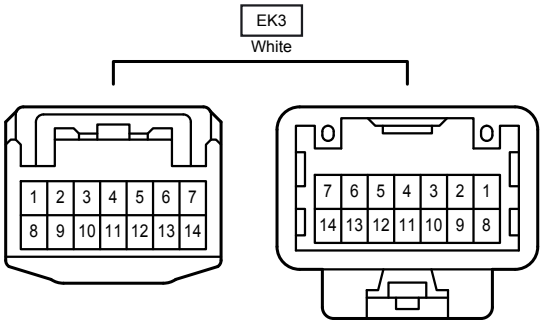
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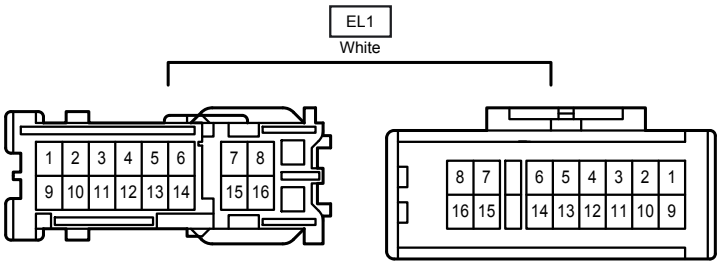
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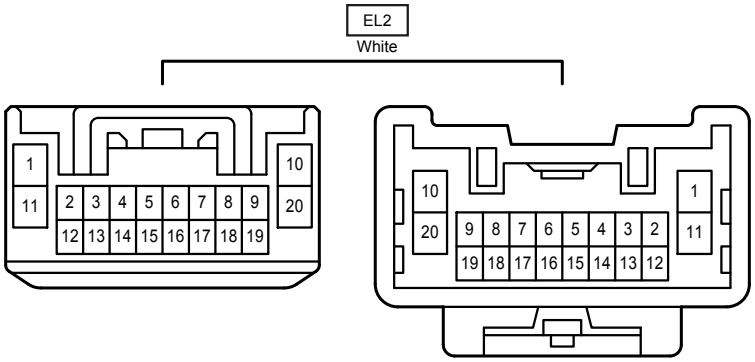
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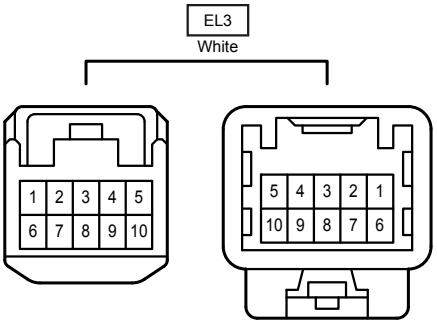
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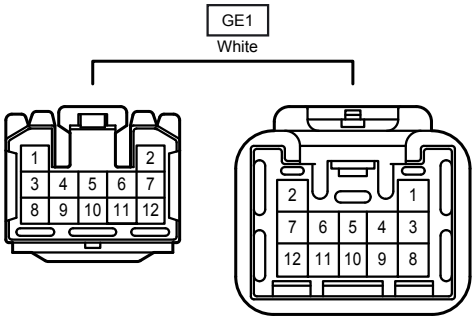
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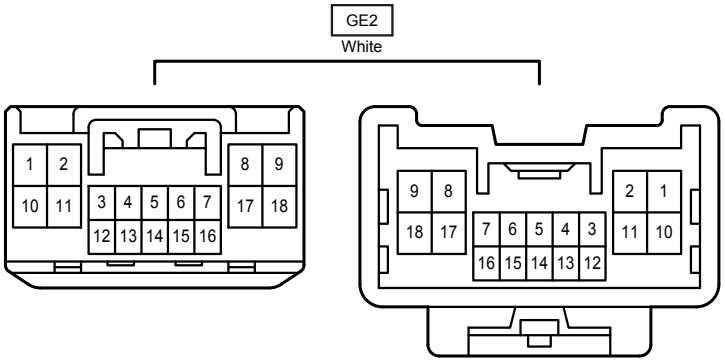
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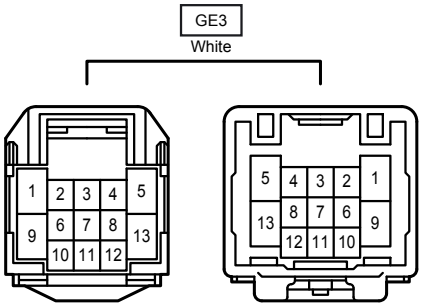
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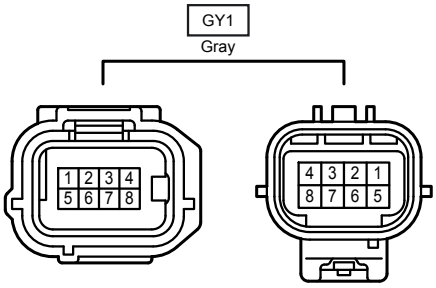
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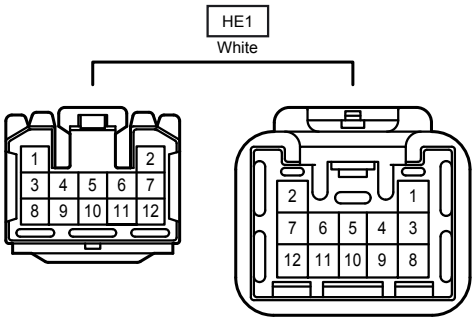
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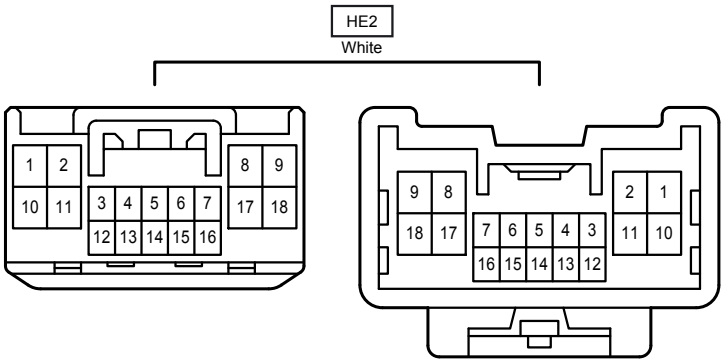
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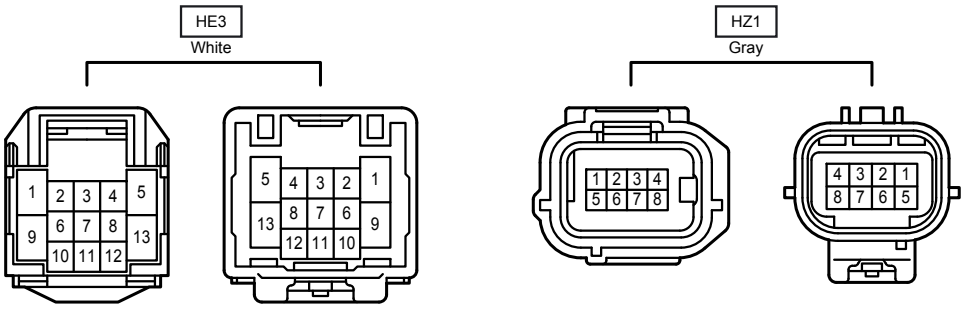
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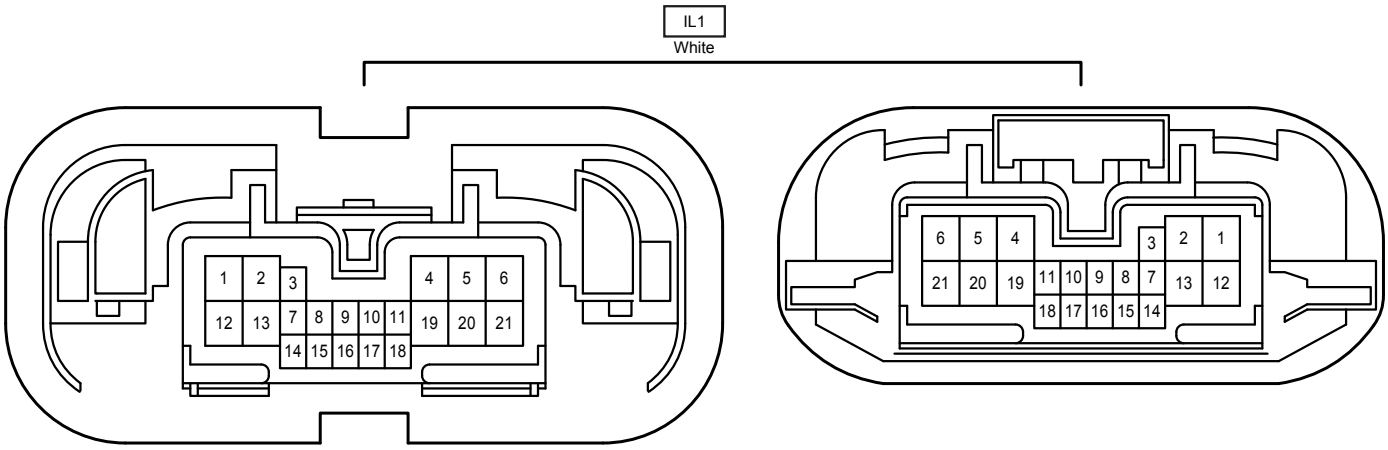
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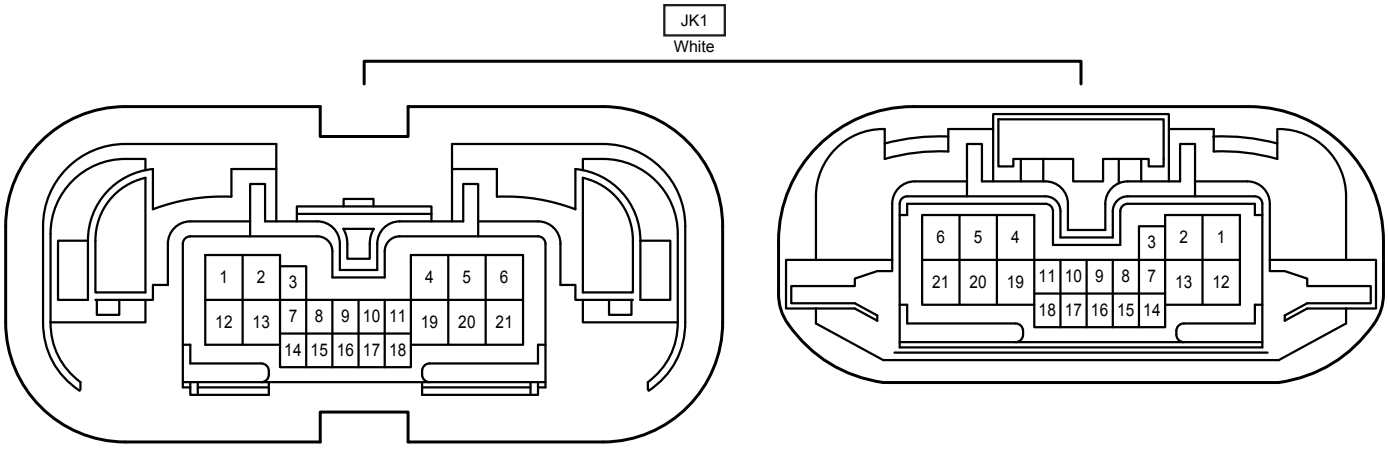
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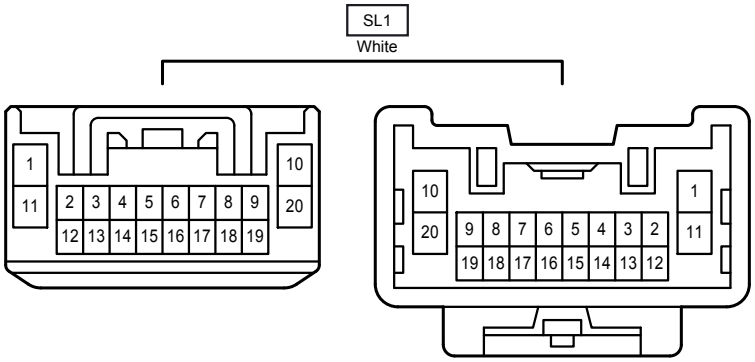
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