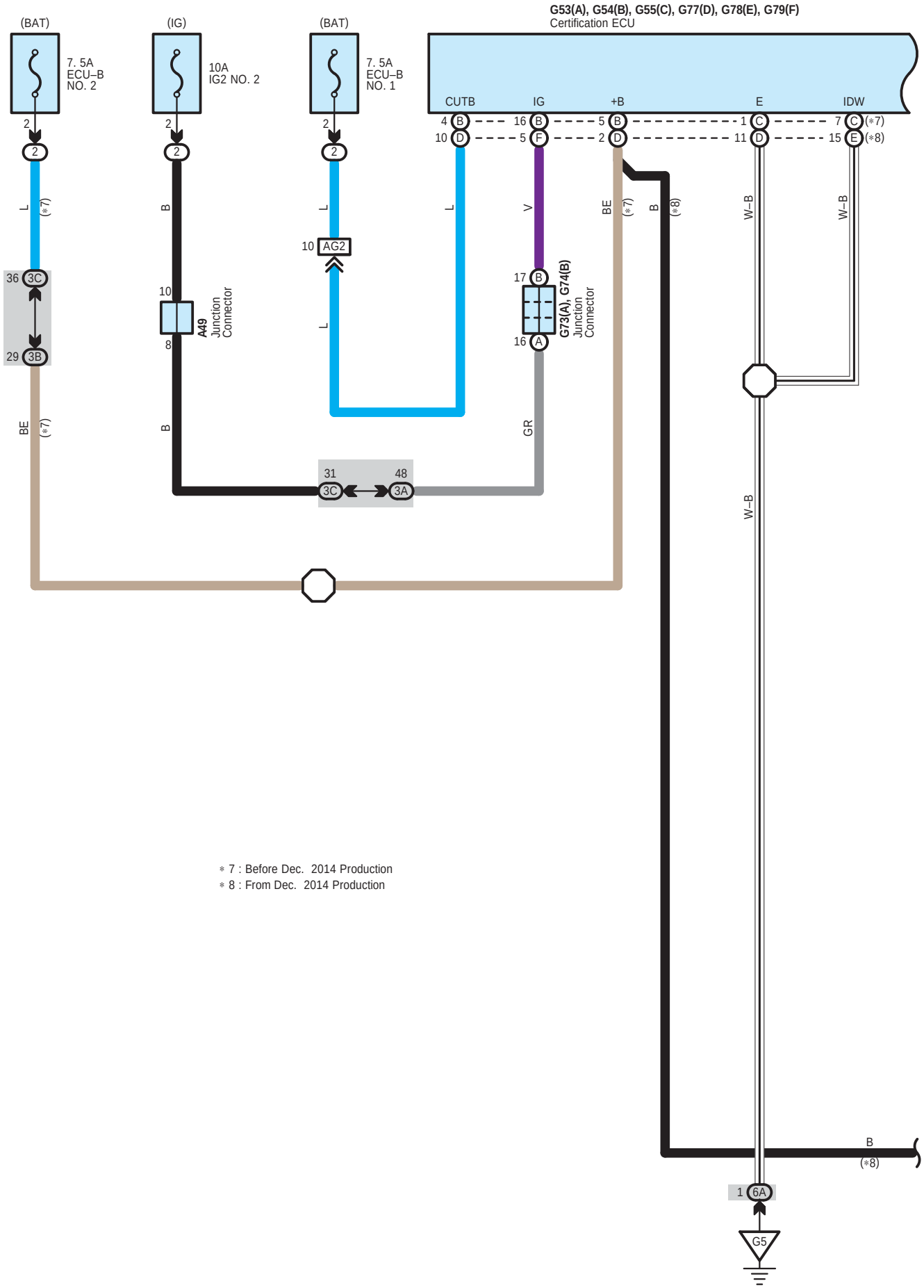
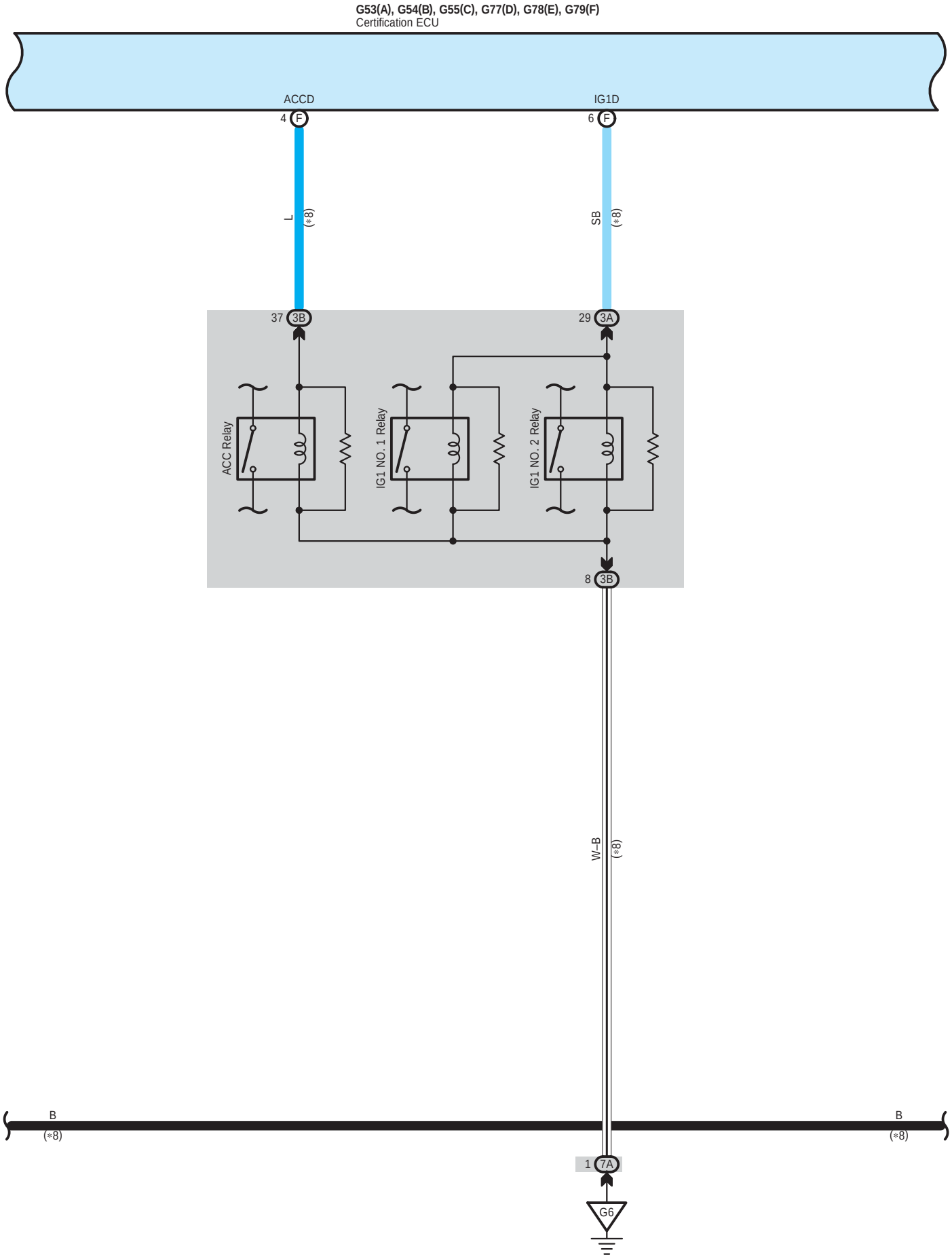
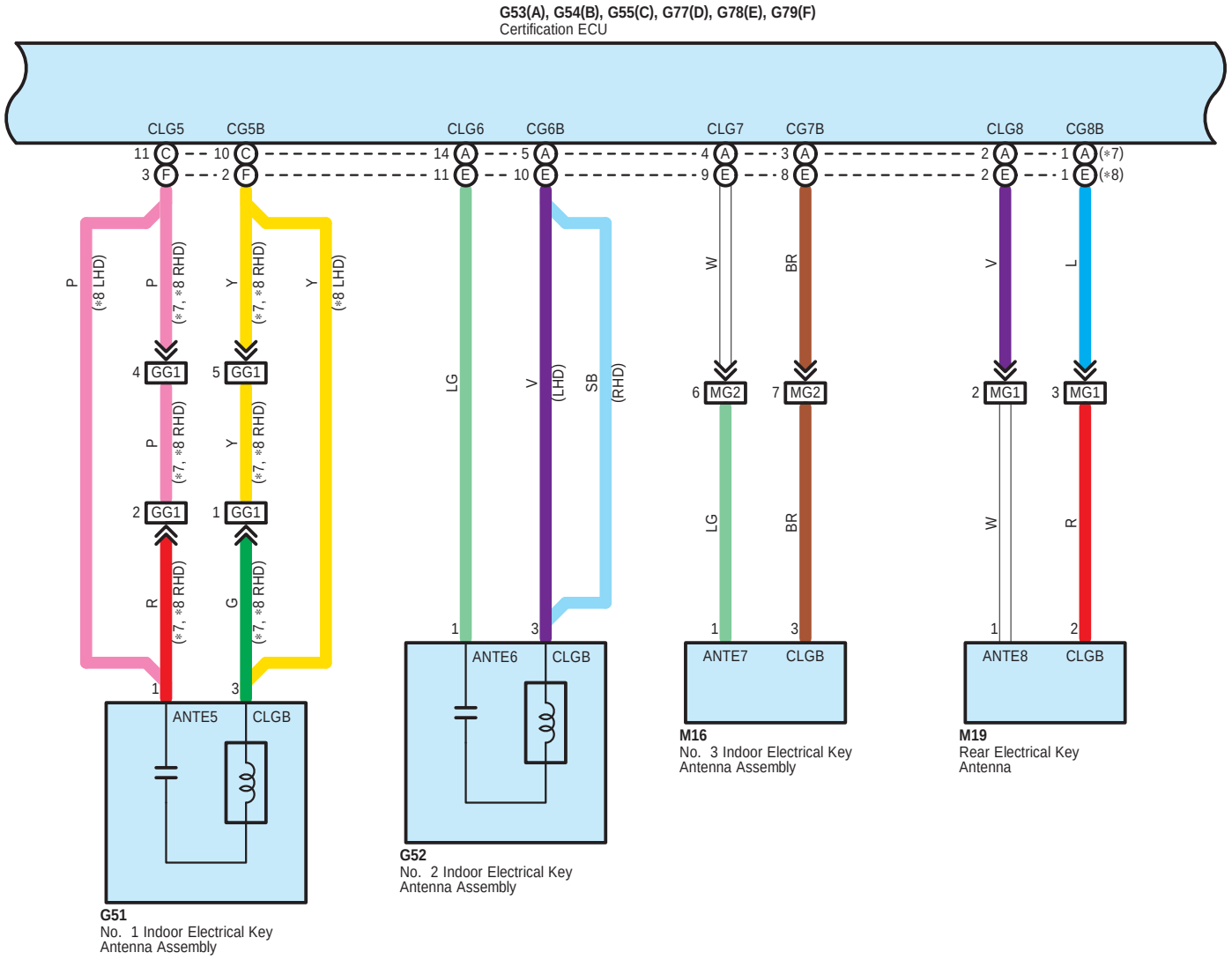

(BAT)
7. 5A
ECU–B
NO. 2
(IG)
10A
IG2 NO. 2
(BAT)
7. 5A
ECU–B
NO. 1
G53(A), G54(B), G55(C), G77(D), G78(E), G79(F)
Certification ECU
CUTB
IG
+B
E
IDW
A49
Junction
Connector
G73(A), G74(B)
Junction
Connector
AG2
W–B
(∗7)
(∗8)
G5
∗ 7 : Before Dec. 2014 Production
∗ 8 : From Dec. 2014 Production

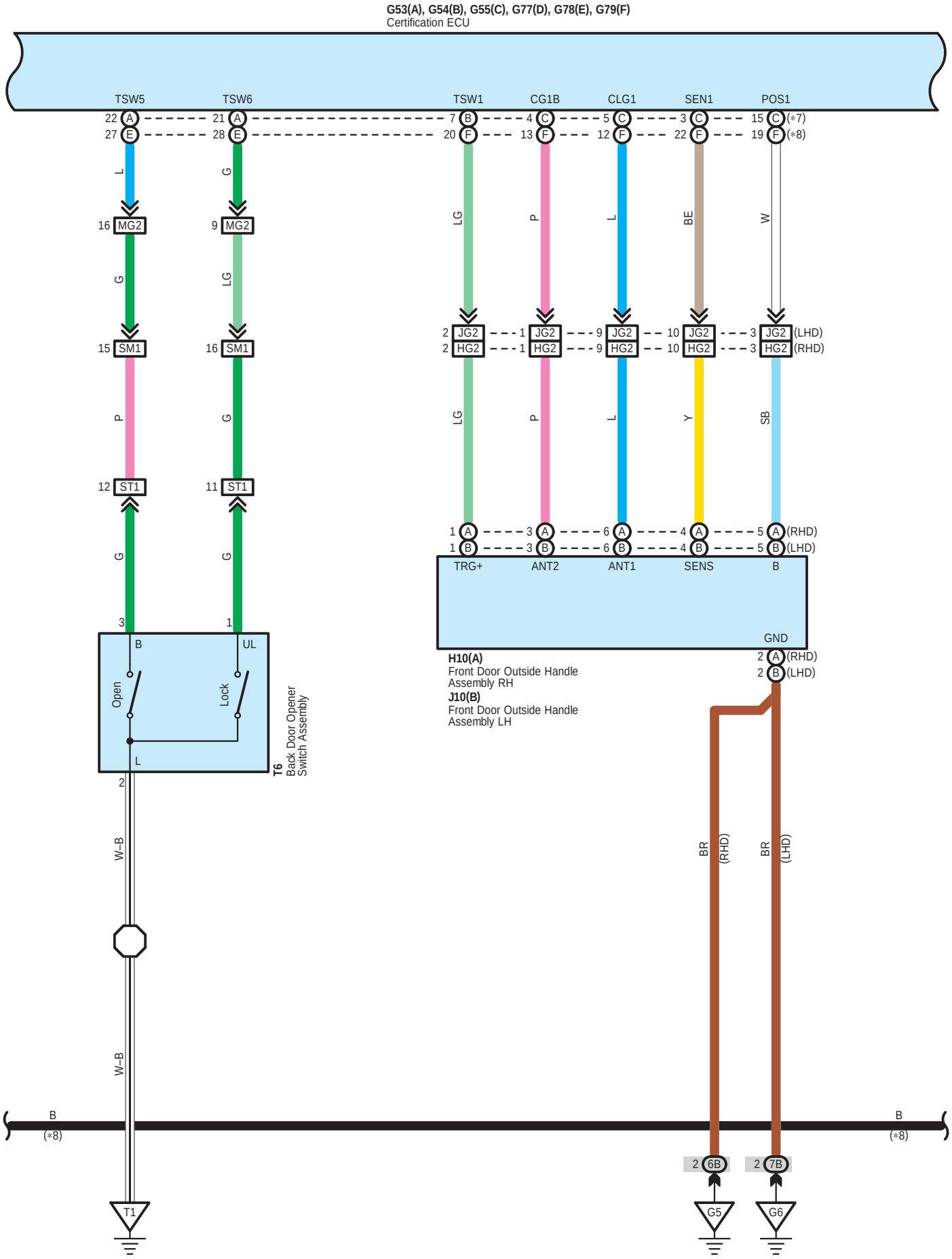

G53(A), G54(B), G55(C), G77(D), G78(E), G79(F)
Certification ECU
ACCD
IG1D
4 F
6 F
L (*8)
SB (*8)
37 3B
29 3A
ACC Relay
IG1 NO. 1 Relay
IG1 NO. 2 Relay
8 3B
W–B (*8)
B (*8)
B (*8)
1 7A
G6

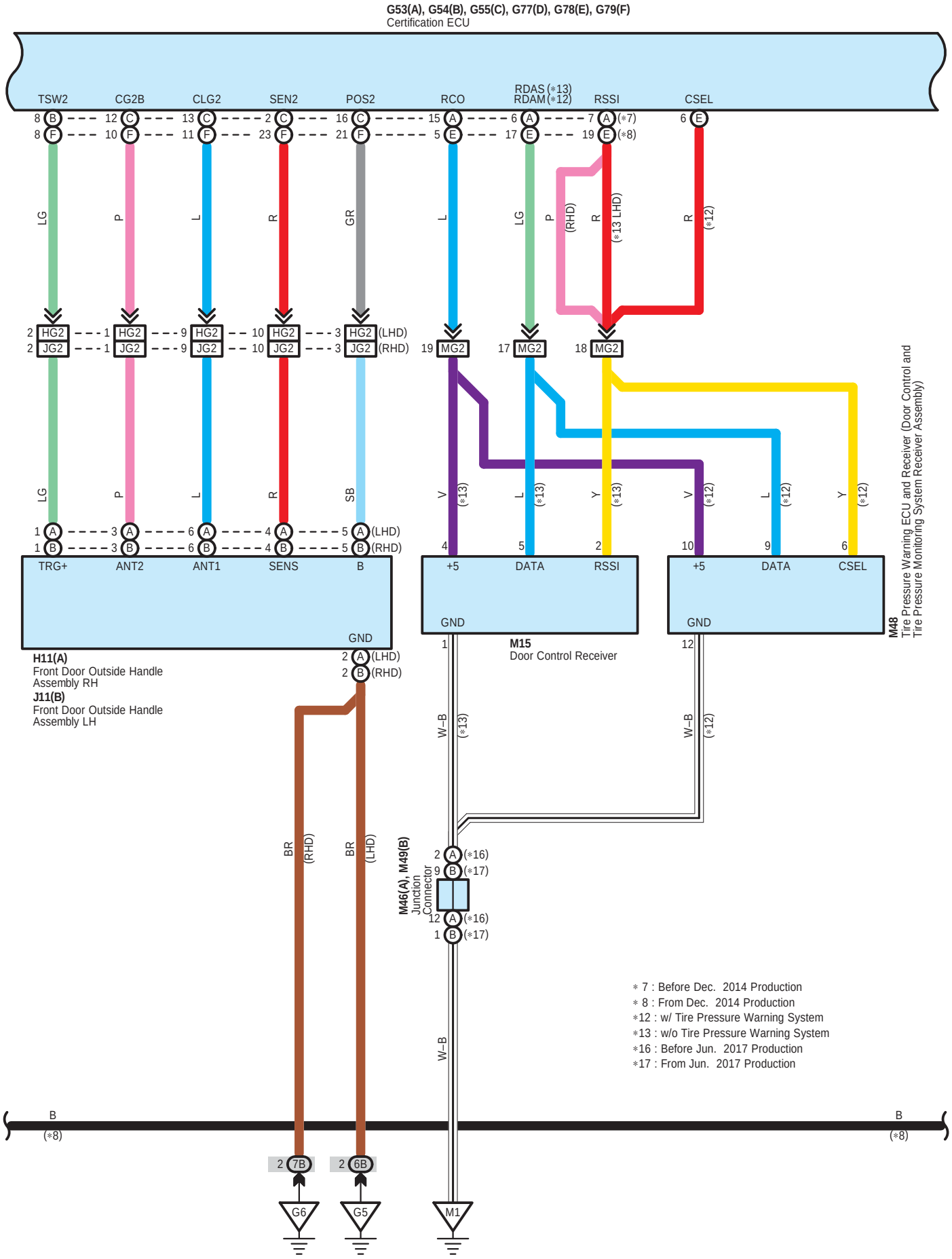


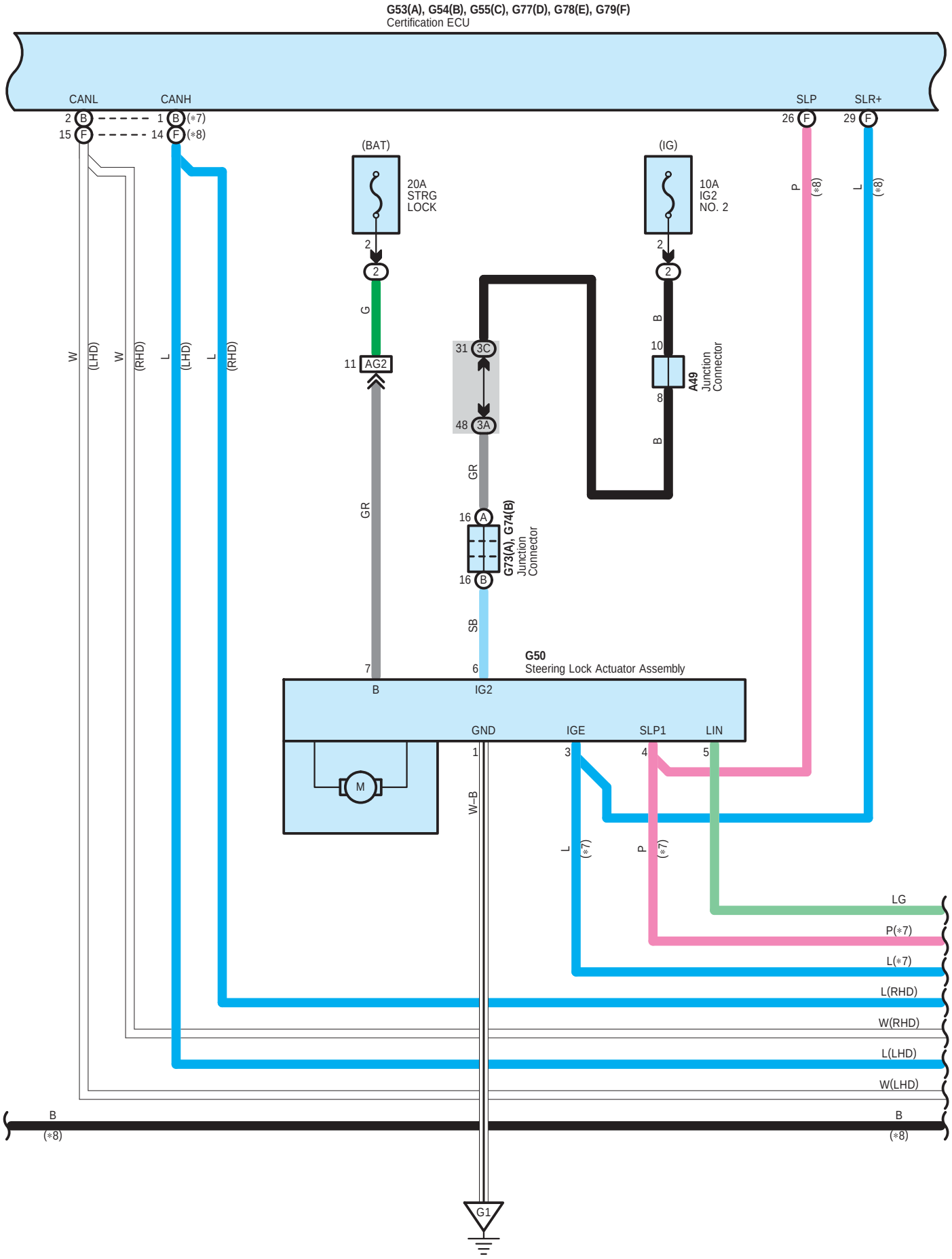
* 7 : Before Dec. 2014 Production
* 8 : From Dec. 2014 Production

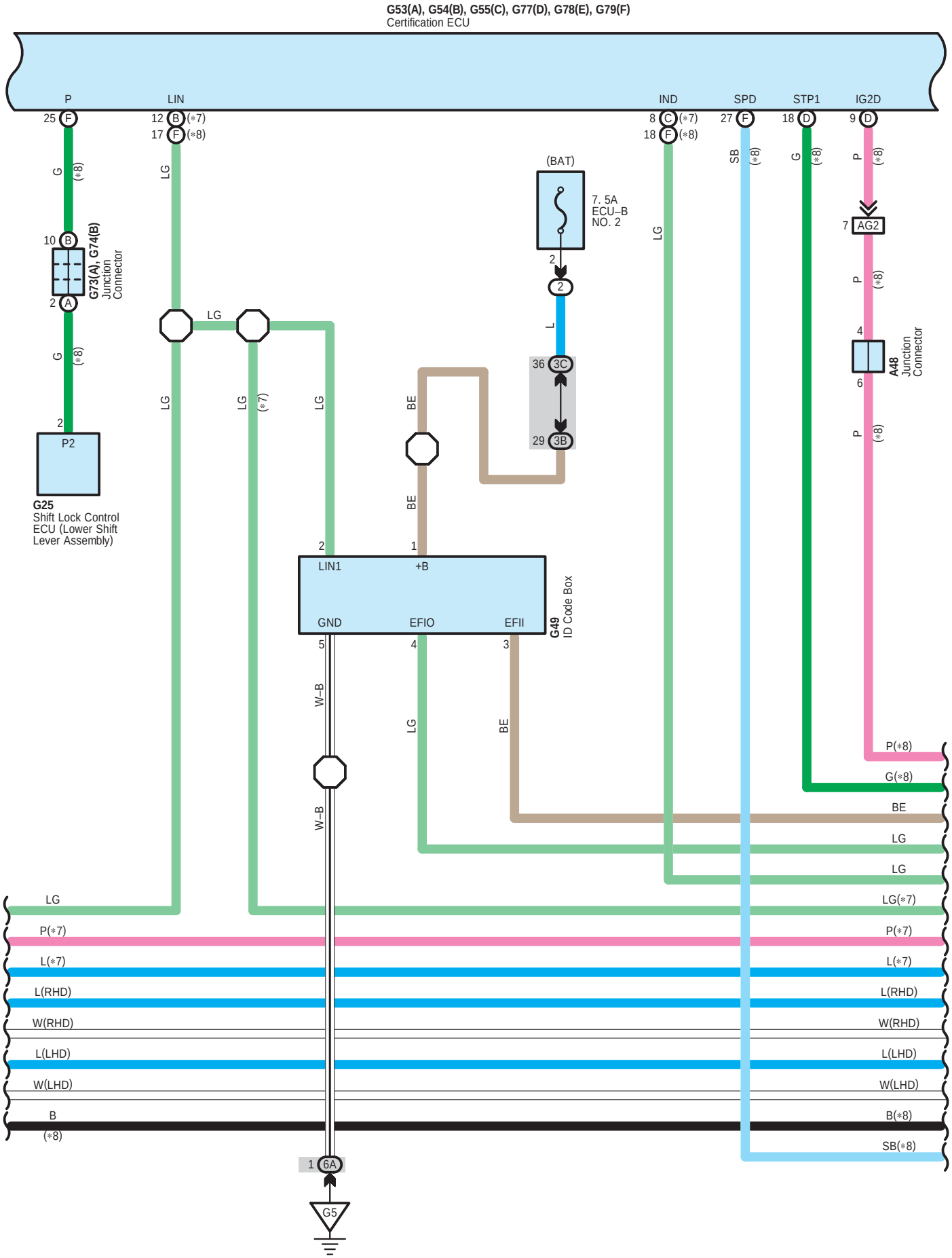
B (*8)

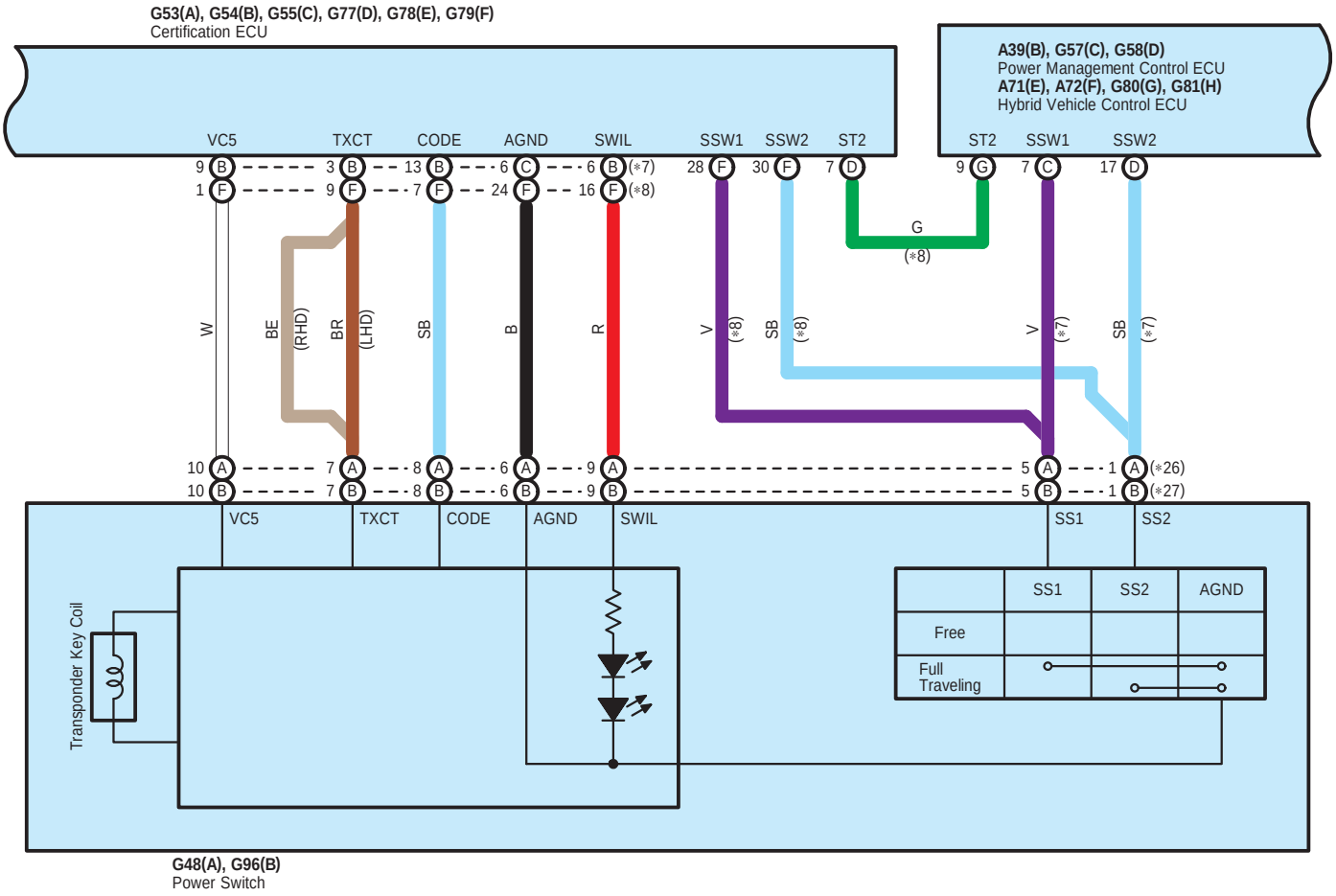
B (*8)


G53(A), G54(B), G55(C), G77(D), G78(E), G79(F)
Certification ECU
TSW5
TSW6
TSW1
CG1B
CLG1
SEN1
POS1
22 A
27 E
21 A
28 E
7 B
20 F
4 C
13 F
5 C
12 F
3 C
22 F
15 C (*7)
19 F (*8)
L
G
LG
P
L
BE
W
16 MG2
9 MG2
G
LG
2 JG2
2 HG2
1 JG2
1 HG2
9 JG2
9 HG2
10 JG2
10 HG2
3 JG2 (LHD)
3 HG2 (RHD)
15 SM1
16 SM1
P
G
LG
P
L
Y
SB
12 ST1
11 ST1
G
G
1 A
1 B
3 A
3 B
6 A
6 B
4 A
4 B
5 A (RHD)
5 B (LHD)
TRG+
ANT2
ANT1
SENS
B
GND
3
1
B
UL
Open
Lock
L
T6
Back Door Opener Switch Assembly
H10(A)
Front Door Outside Handle Assembly RH
J10(B)
Front Door Outside Handle Assembly LH
2 A (RHD)
2 B (LHD)
2
W-B
W-B
BR (RHD)
BR (LHD)
B (*8)
B (*8)
2 6B
2 7B
T1
G5
G6


G53(A), G54(B), G55(C), G77(D), G78(E), G79(F)
Certification ECU
TSW2
CG2B
CLG2
SEN2
POS2
RCO
RDAS (*13)
RDAM (*12)
RSSI
CSEL
LG
P
L
R
GR
L
LG
P (RHD)
R (*13 LHD)
R (*12)
HG2
JG2
(LHD)
(RHD)
MG2
SB
V (*13)
L (*13)
Y (*13)
V (*12)
L (*12)
Y (*12)
TRG+
ANT2
ANT1
SENS
B
GND
+5
DATA
RSSI
CSEL
H11(A)
Front Door Outside Handle Assembly RH
J11(B)
Front Door Outside Handle Assembly LH
M15
Door Control Receiver
M48
Tire Pressure Warning ECU and Receiver (Door Control and Tire Pressure Monitoring System Receiver Assembly)
W-B (*13)
W-B (*12)
BR (RHD)
BR (LHD)
M46(A), M49(B)
Junction Connector
(*16)
(*17)
W-B
B
(*8)
7B
6B
G6
G5
M1
* 7 : Before Dec. 2014 Production
* 8 : From Dec. 2014 Production
*12 : w/ Tire Pressure Warning System
*13 : w/o Tire Pressure Warning System
*16 : Before Jun. 2017 Production
*17 : From Jun. 2017 Production

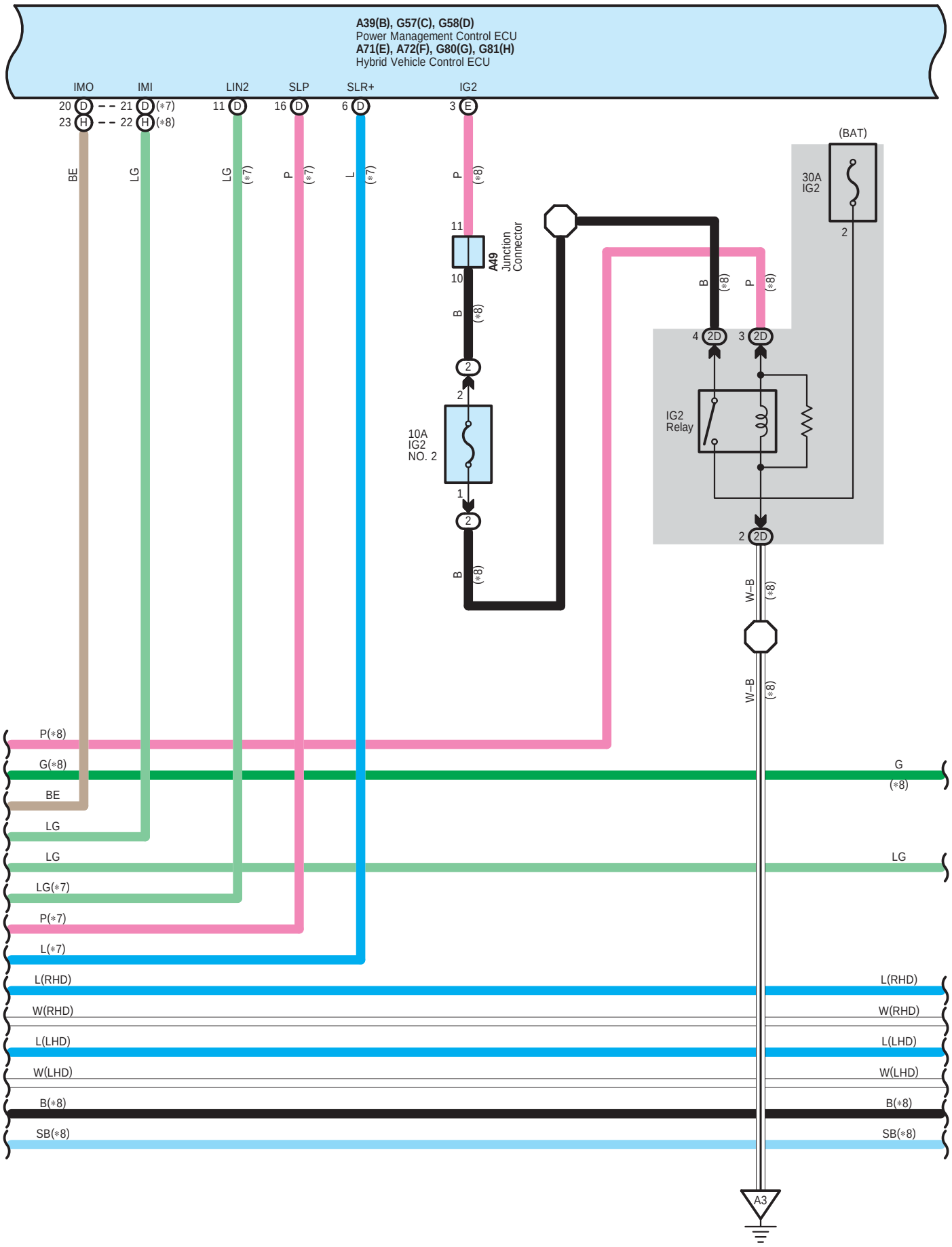

G53(A), G54(B), G55(C), G77(D), G78(E), G79(F)
Certification ECU
CANL
CANH
SLP
SLR+
2 B
15 F
1 B (*7)
14 F (*8)
26 F
29 F
(BAT)
(IG)
20A
STRG
LOCK
10A
IG2
NO. 2
2
11 AG2
31 3C
48 3A
10
8
A49
Junction
Connector
16 A
16 B
G73(A), G74(B)
Junction
Connector
G50
Steering Lock Actuator Assembly
7
6
B
IG2
GND
IGE
SLP1
LIN
1
3
4
5
M
W (LHD)
W (RHD)
L (LHD)
L (RHD)
G
GR
GR
B
P (*8)
L (*8)
W-B
L (*7)
P (*7)
LG
P(*7)
L(*7)
L(RHD)
W(RHD)
L(LHD)
W(LHD)
B (*8)
B (*8)
G1

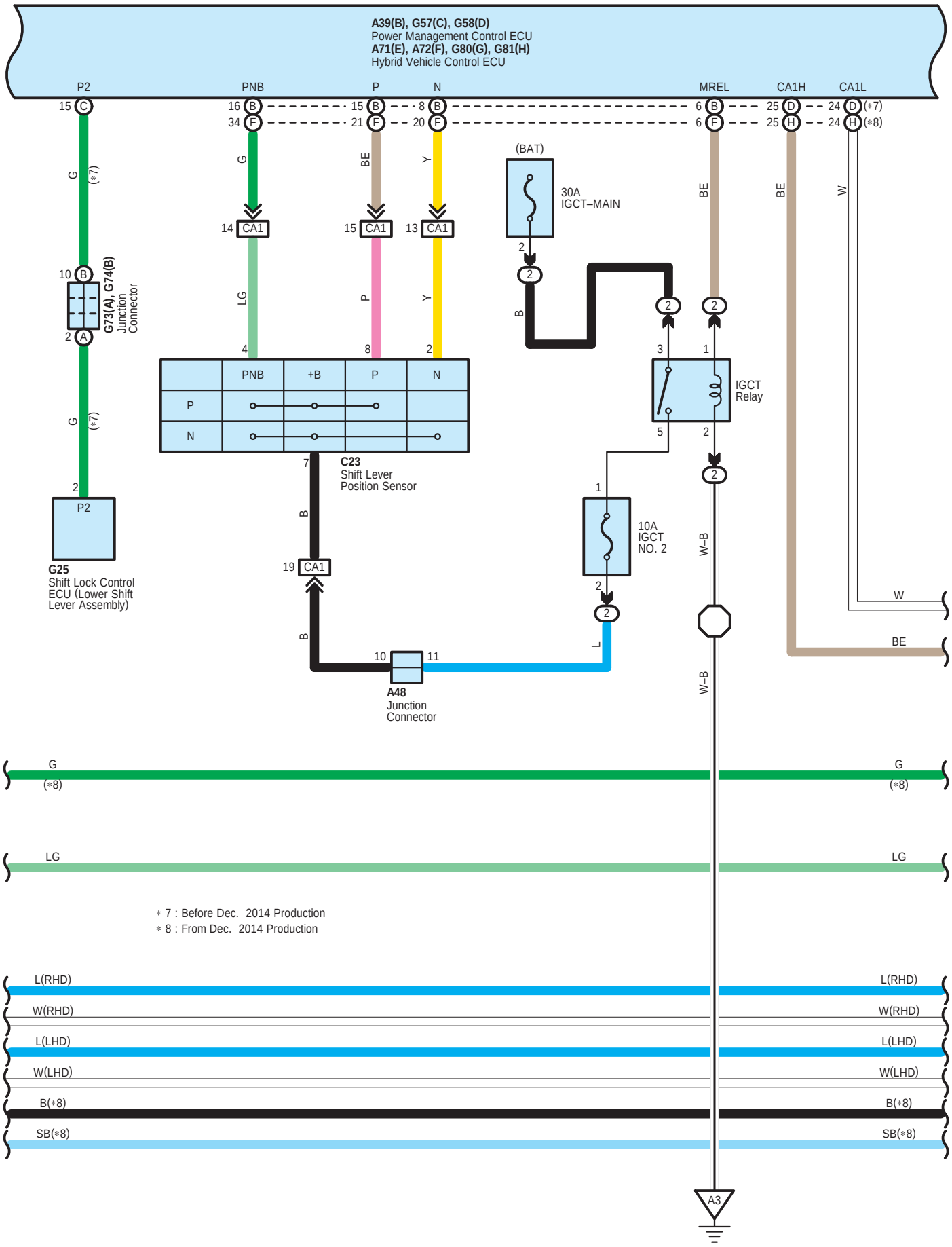

G53(A), G54(B), G55(C), G77(D), G78(E), G79(F)
Certification ECU
P
LIN
IND
SPD
STP1
IG2D
25 F
12 B (*7)
17 F (*8)
8 C (*7)
18 F (*8)
27 F
18 D
9 D
G (*8)
LG
SB (*8)
G (*8)
P (*8)
(BAT)
7. 5A
ECU–B
NO. 2
10 B
G73(A), G74(B)
Junction
Connector
2 A
2
2
L
7 AG2
P (*8)
4
A48
Junction
Connector
6
36 3C
29 3B
BE
G25
Shift Lock Control
ECU (Lower Shift
Lever Assembly)
P2
2
1
LIN1
+B
GND
EFIO
EFII
G49
ID Code Box
5
4
3
W–B
W–B
LG
BE
P(*8)
G(*8)
BE
LG
LG
LG
LG(*7)
P(*7)
L(*7)
L(RHD)
W(RHD)
L(LHD)
W(LHD)
B
(*8)
B(*8)
SB(*8)
1 6A
G5



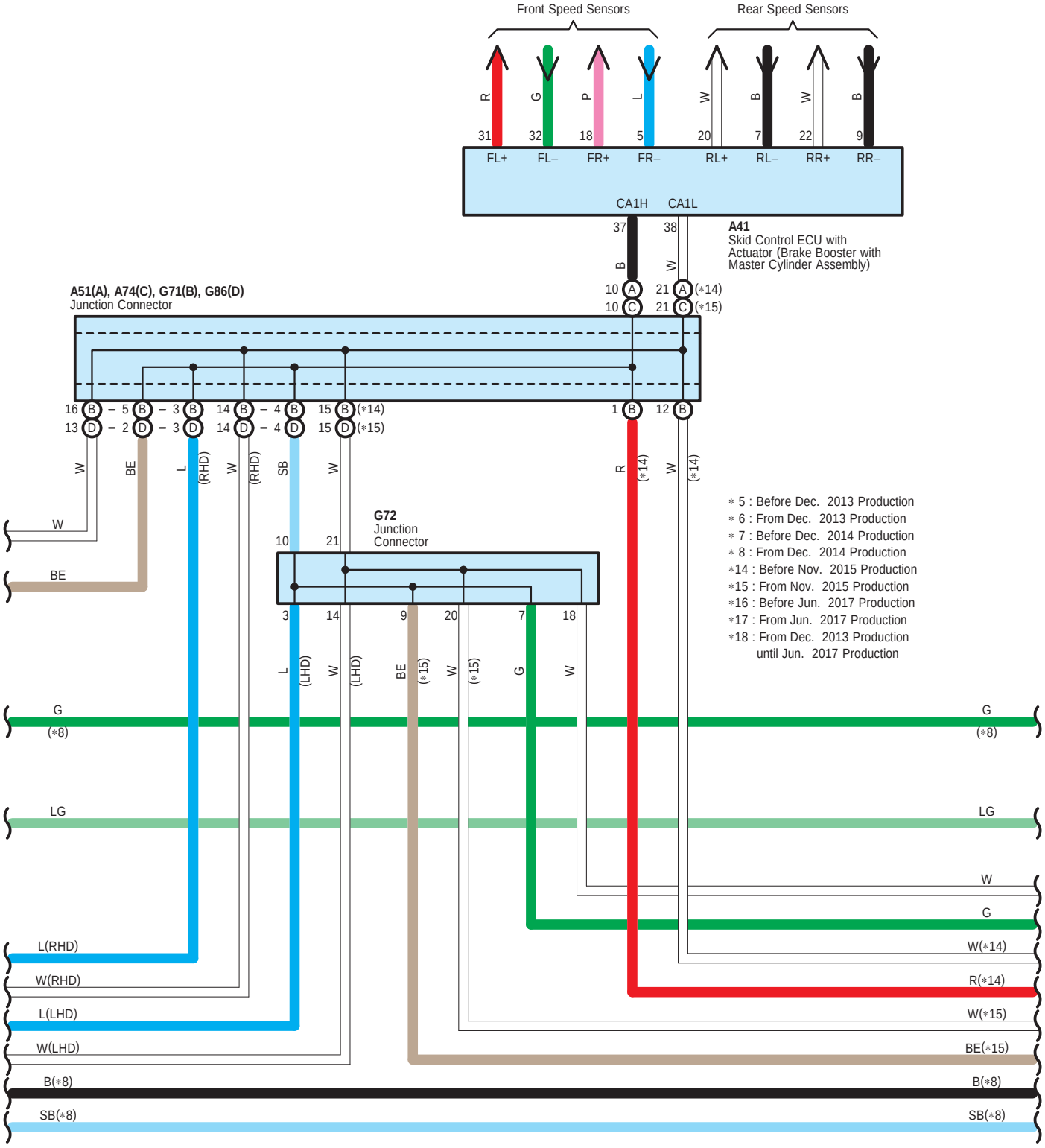
∗ 7 : Before Dec. 2014 Production
∗ 8 : From Dec. 2014 Production
∗26 : Before Jul. 2019 Production
∗27 : From Jul. 2019 Production

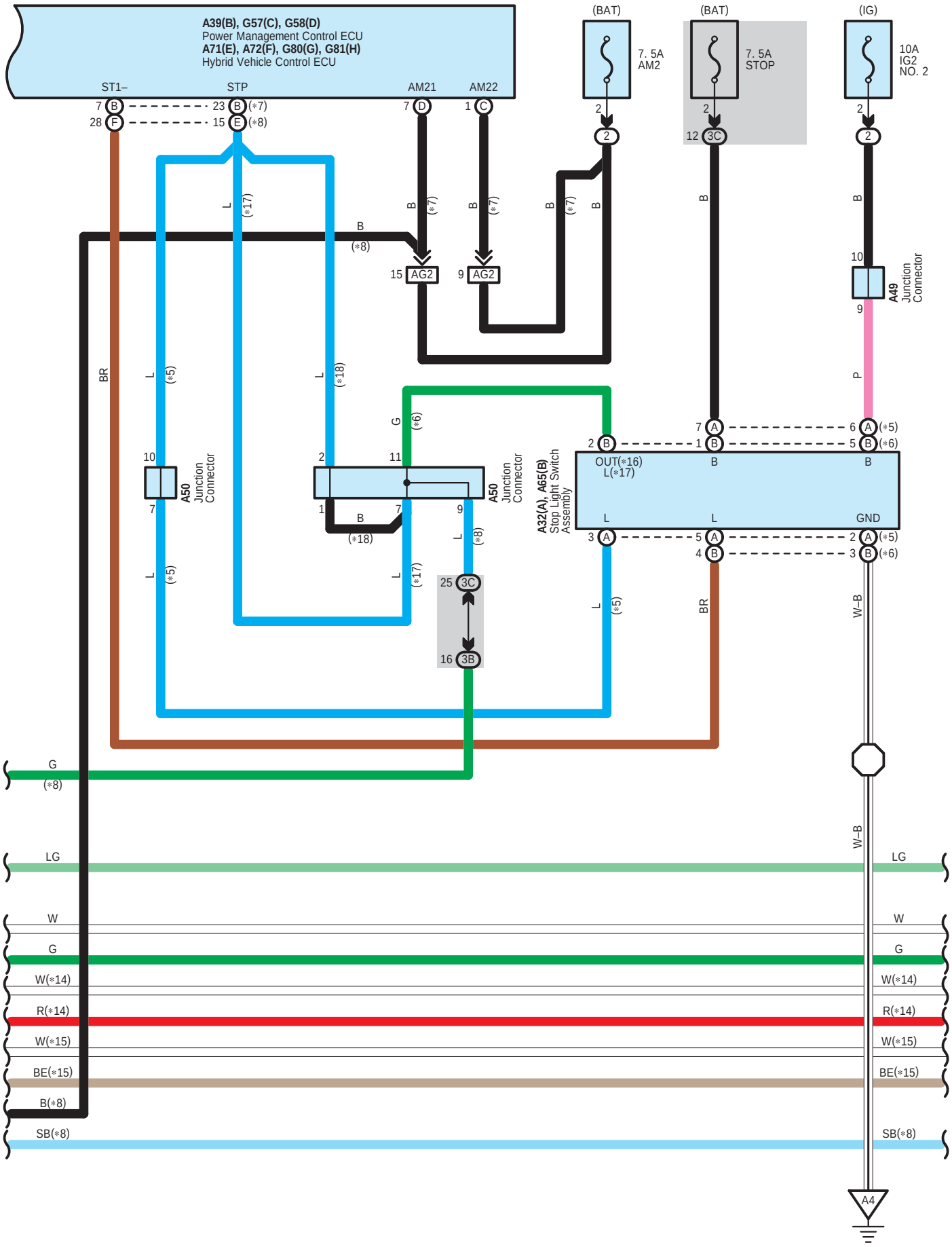


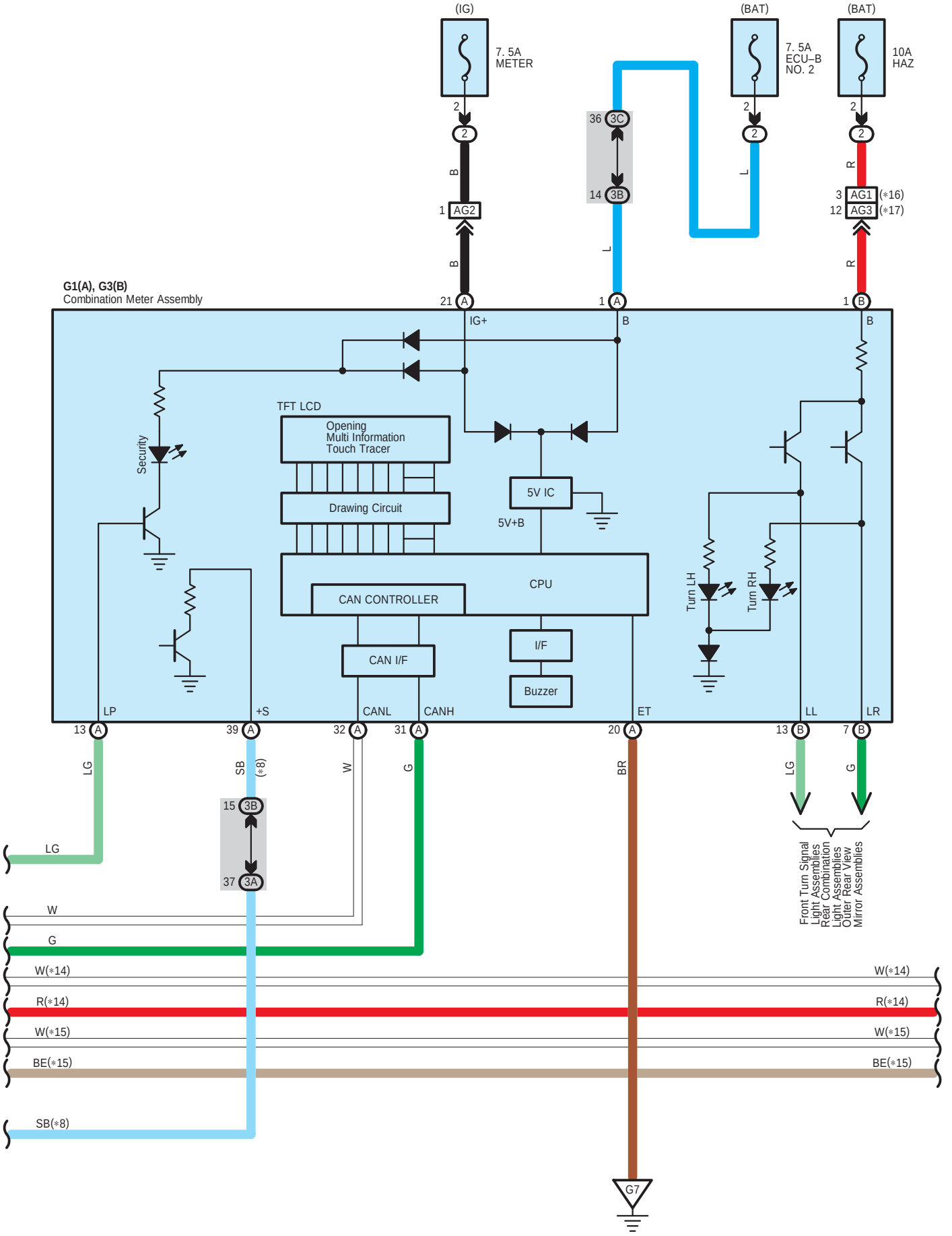

A39(B), G57(C), G58(D)
Power Management Control ECU
A71(E), A72(F), G80(G), G81(H)
Hybrid Vehicle Control ECU
IMO
IMI
LIN2
SLP
SLR+
IG2
20 D
23 H
21 D (*7)
22 H (*8)
11 D
16 D
6 D
3 E
BE
LG
LG (*7)
P (*7)
L (*7)
P (*8)
11
10
B (*8)
A49
Junction Connector
2
2
10A
IG2
NO. 2
1
2
B (*8)
(BAT)
30A
IG2
2
B (*8)
P (*8)
4 2D
3 2D
IG2
Relay
2 2D
W–B (*8)
W–B (*8)
A3
P(*8)
G(*8)
BE
LG
LG
LG(*7)
P(*7)
L(*7)
L(RHD)
W(RHD)
L(LHD)
W(LHD)
B(*8)
SB(*8)
G (*8)
LG
L(RHD)
W(RHD)
L(LHD)
W(LHD)
B(*8)
SB(*8)

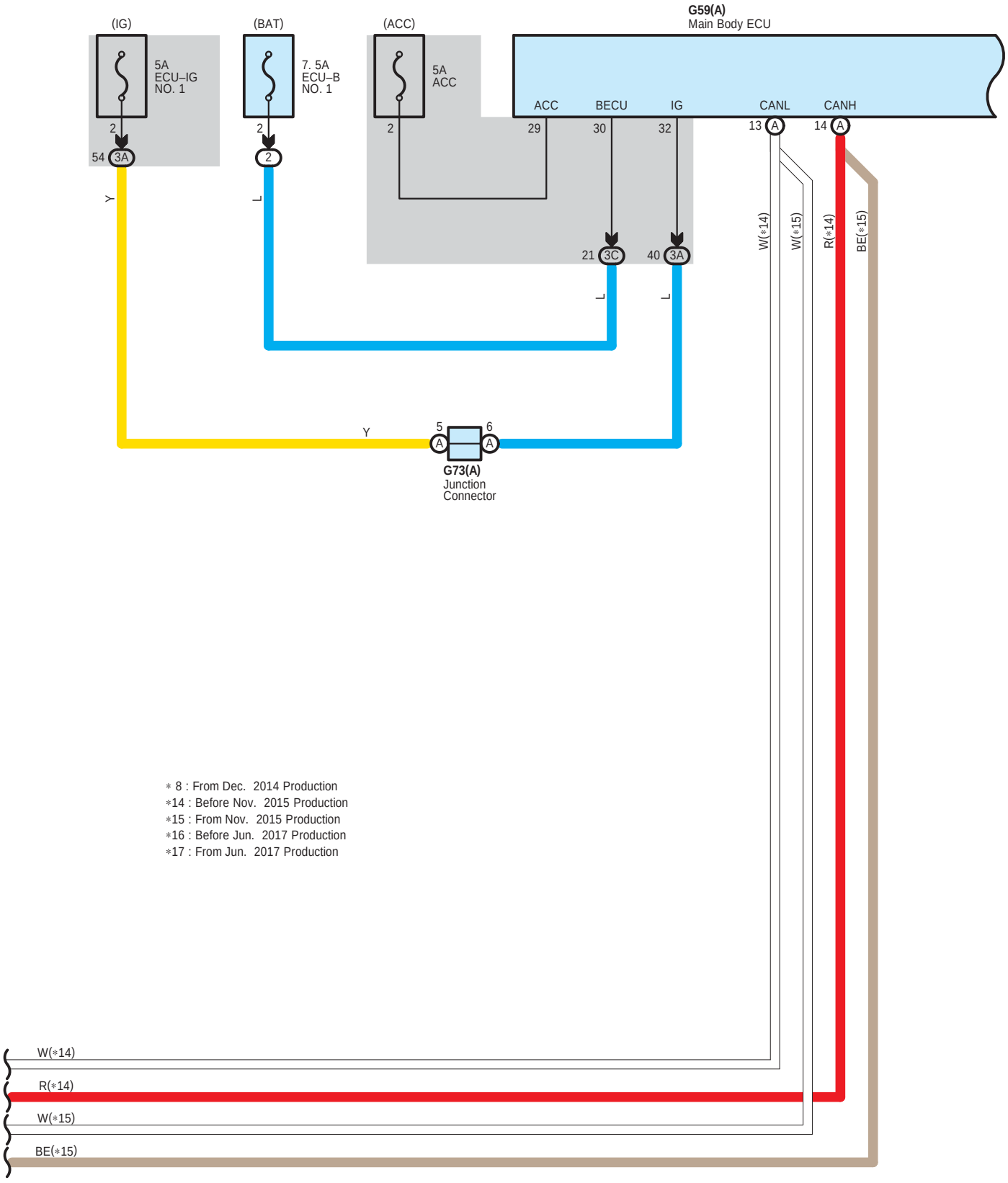

A39(B), G57(C), G58(D)
Power Management Control ECU
A71(E), A72(F), G80(G), G81(H)
Hybrid Vehicle Control ECU
P2
PNB
P
N
MREL
CA1H
CA1L
(BAT)
30A
IGCT–MAIN
10A
IGCT
NO. 2
IGCT
Relay
G73(A), G74(B)
Junction
Connector
G25
Shift Lock Control
ECU (Lower Shift
Lever Assembly)
C23
Shift Lever
Position Sensor
A48
Junction
Connector
A3
∗ 7 : Before Dec. 2014 Production
∗ 8 : From Dec. 2014 Production

A39(B), G57(C), G58(D)
Power Management Control ECU
A71(E), A72(F), G80(G), G81(H)
Hybrid Vehicle Control ECU

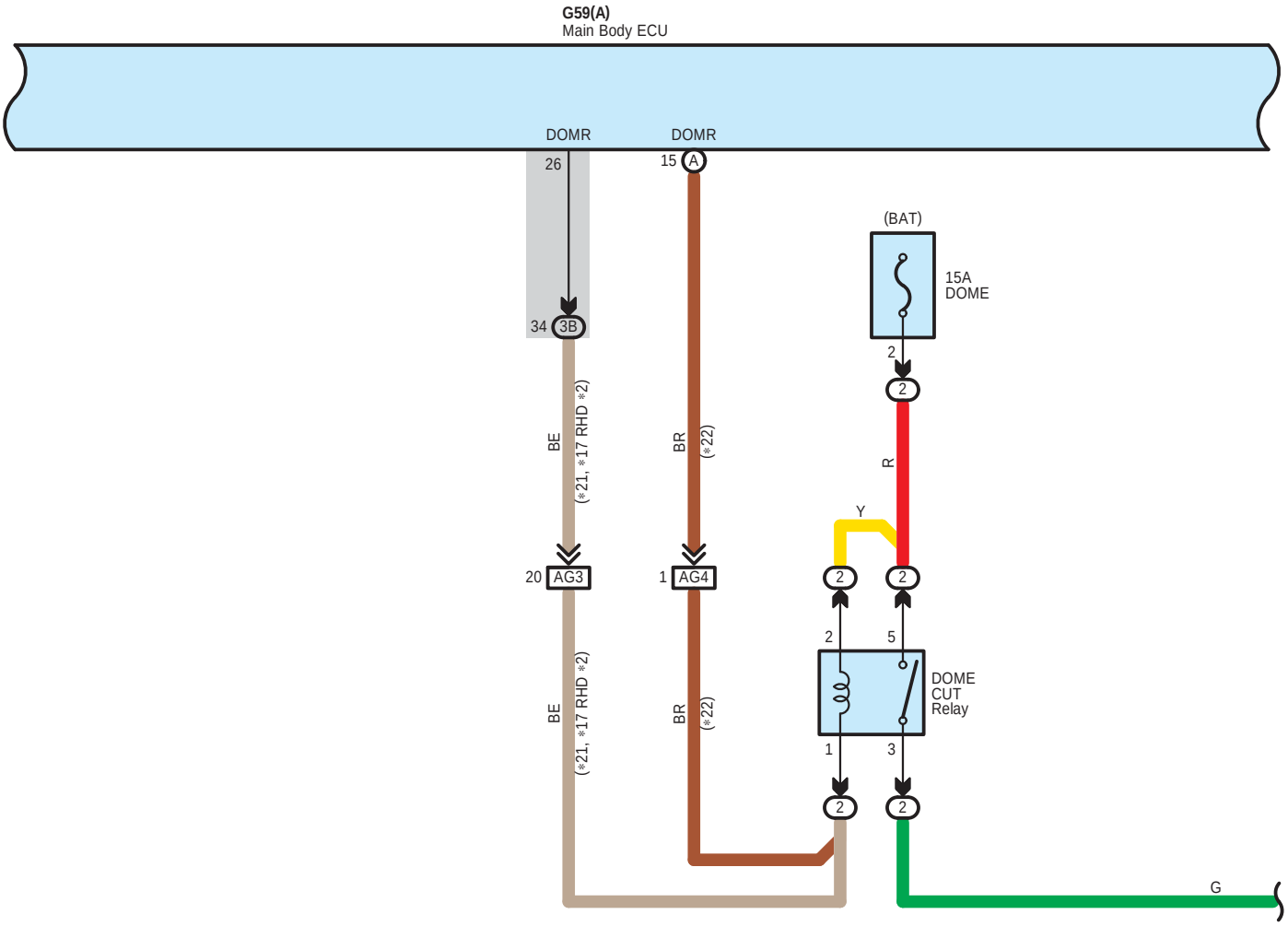



A39(B), G57(C), G58(D)
Power Management Control ECU
A71(E), A72(F), G80(G), G81(H)
Hybrid Vehicle Control ECU
ST1–
STP
AM21
AM22
(BAT)
7. 5A
AM2
(BAT)
7. 5A
STOP
(IG)
10A
IG2
NO. 2
AG2
AG2
A49
Junction
Connector
A50
Junction
Connector
A50
Junction
Connector
A32(A), A65(B)
Stop Light Switch
Assembly
OUT(*16)
L(*17)
GND
A4
BR
L
B
G
P
W–B
LG
W
G
W(*14)
R(*14)
W(*15)
BE(*15)
B(*8)
SB(*8)

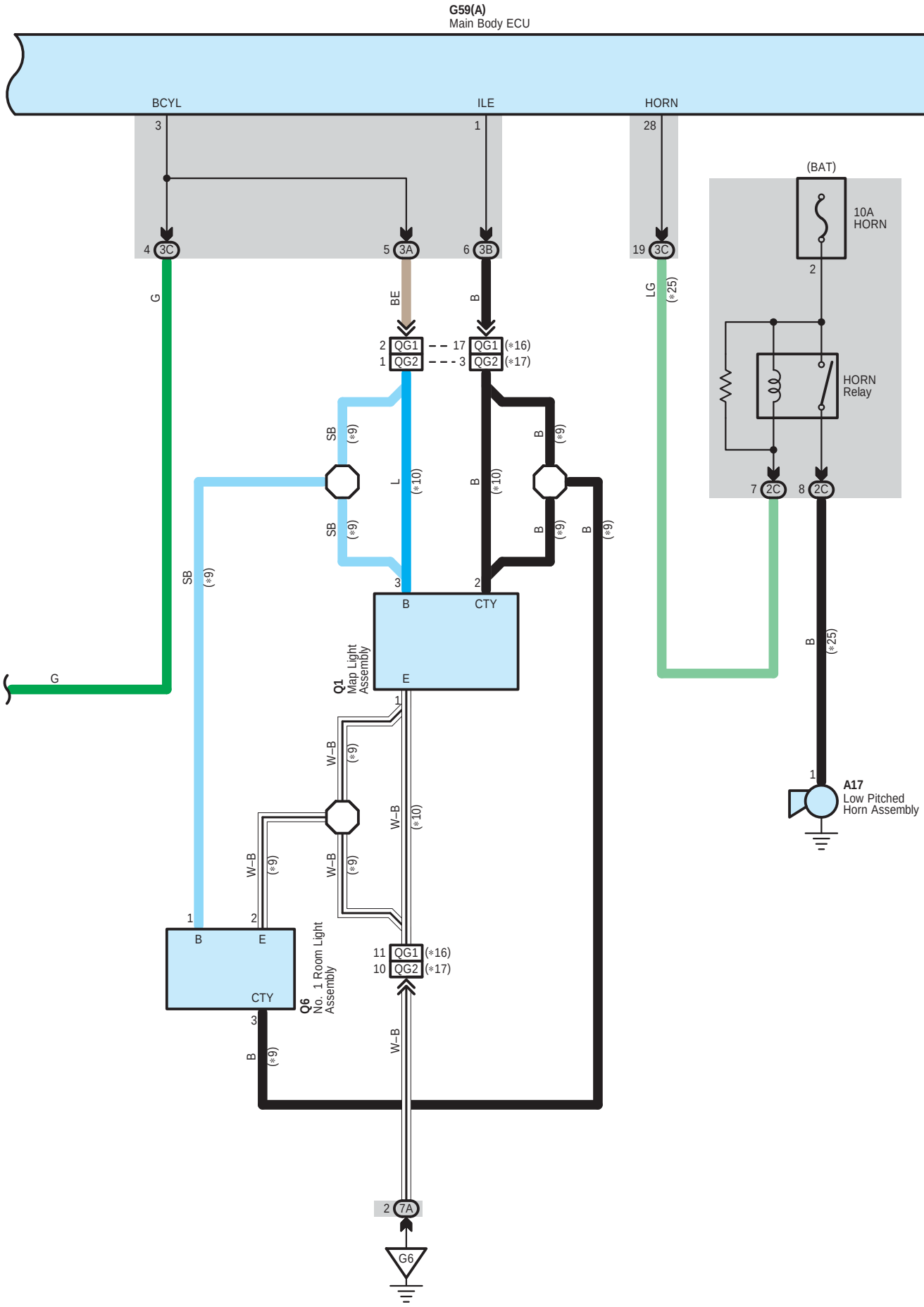

(IG)
7. 5A
METER
(BAT)
7. 5A
ECU–B
NO. 2
(BAT)
10A
HAZ
2
B
1 AG2
36 3C
14 3B
L
3 AG1 (*16)
12 AG3 (*17)
R
G1(A), G3(B)
Combination Meter Assembly
21 A
1 A
1 B
IG+
B
TFT LCD
Opening
Multi Information
Touch Tracer
Drawing Circuit
Security
5V IC
5V+B
CPU
CAN CONTROLLER
CAN I/F
I/F
Buzzer
Turn LH
Turn RH
LP
+S
CANL
CANH
ET
LL
LR
13 A
39 A
32 A
31 A
20 A
13 B
7 B
LG
SB
(*8)
W
G
BR
15 3B
37 3A
LG
W
G
W(*14)
R(*14)
W(*15)
BE(*15)
SB(*8)
G7
Front Turn Signal Light Assemblies
Rear Combination Light Assemblies
Outer Rear View Mirror Assemblies

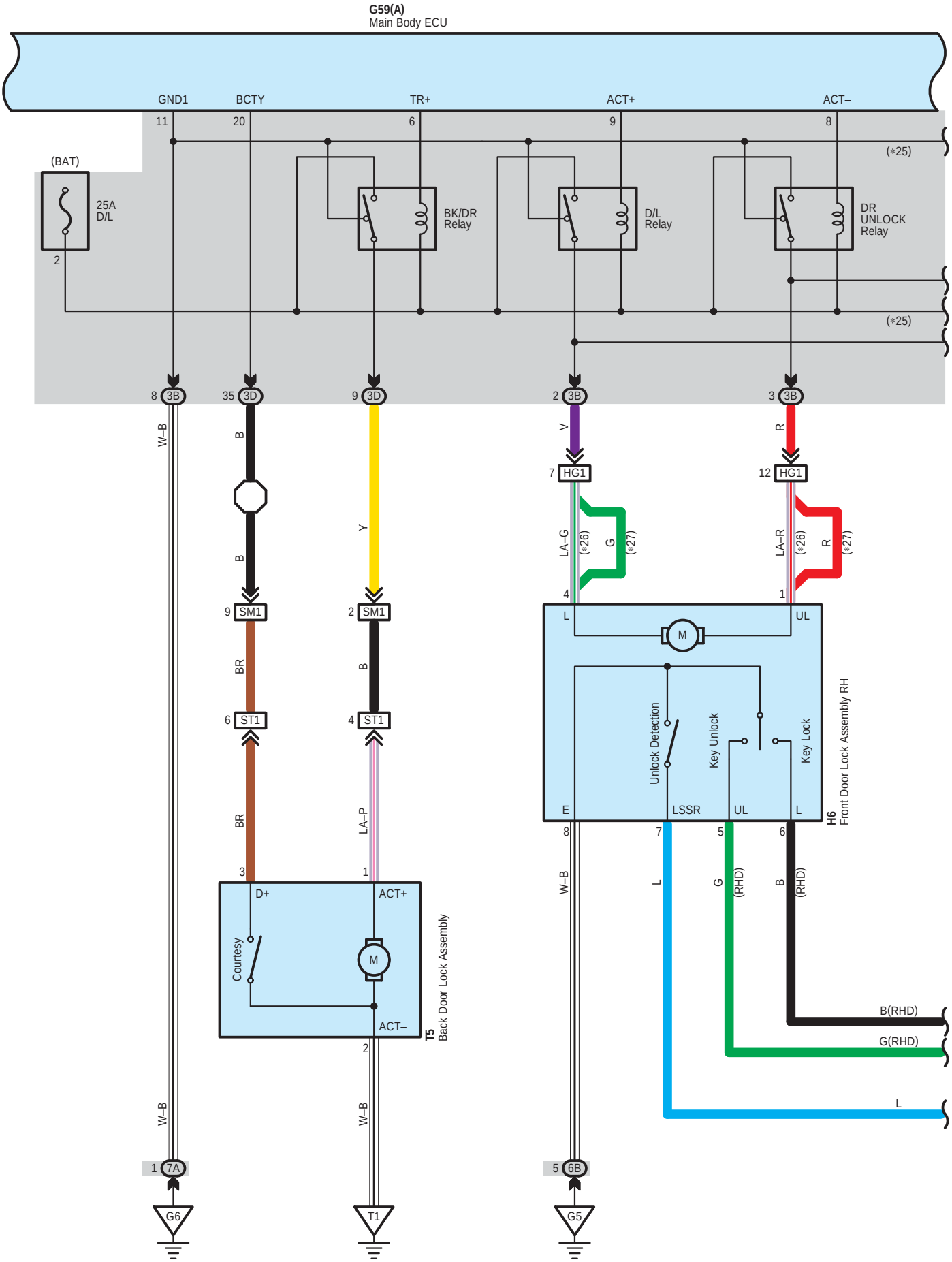


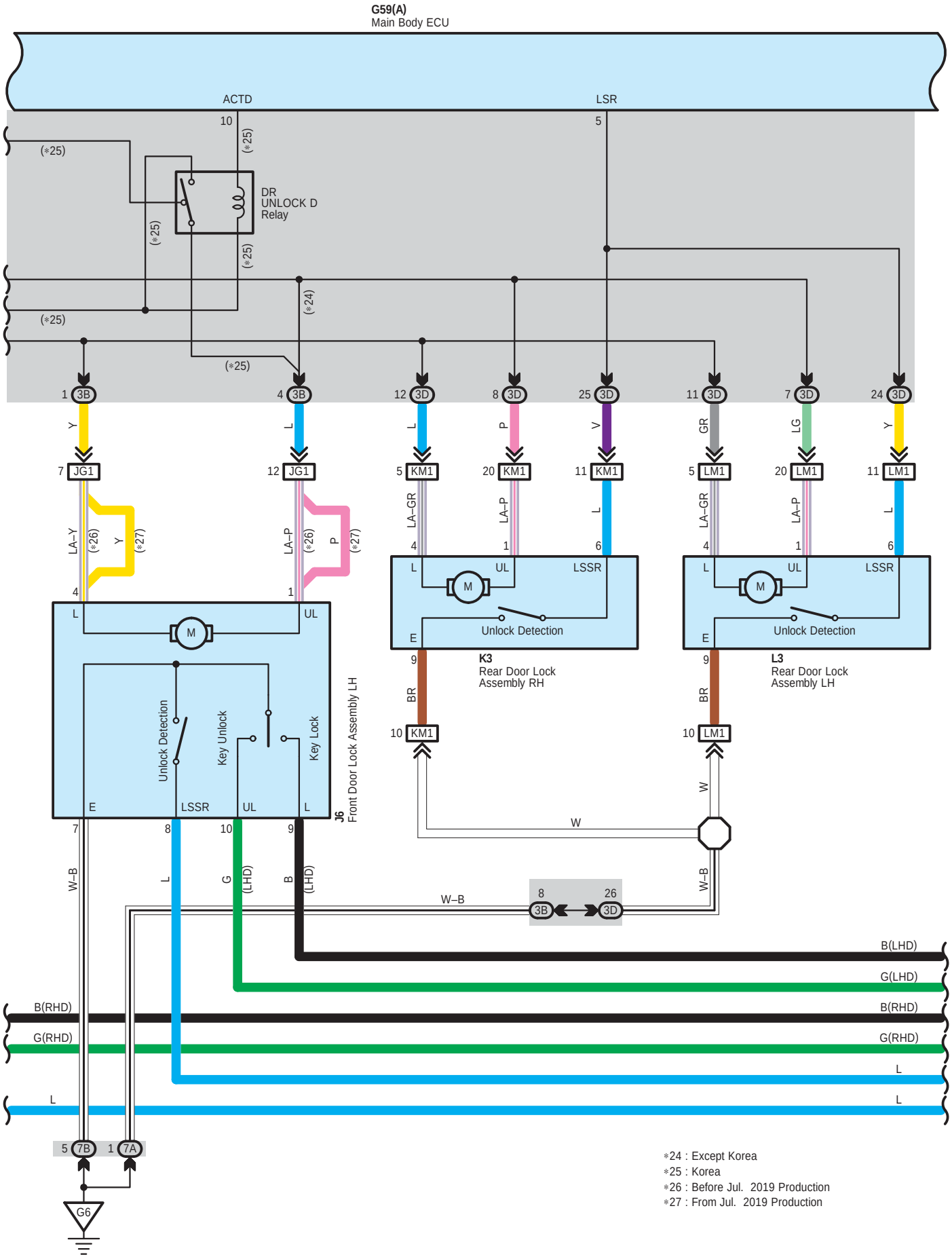
∗ 8 : From Dec. 2014 Production
∗14 : Before Nov. 2015 Production
∗15 : From Nov. 2015 Production
∗16 : Before Jun. 2017 Production
∗17 : From Jun. 2017 Production

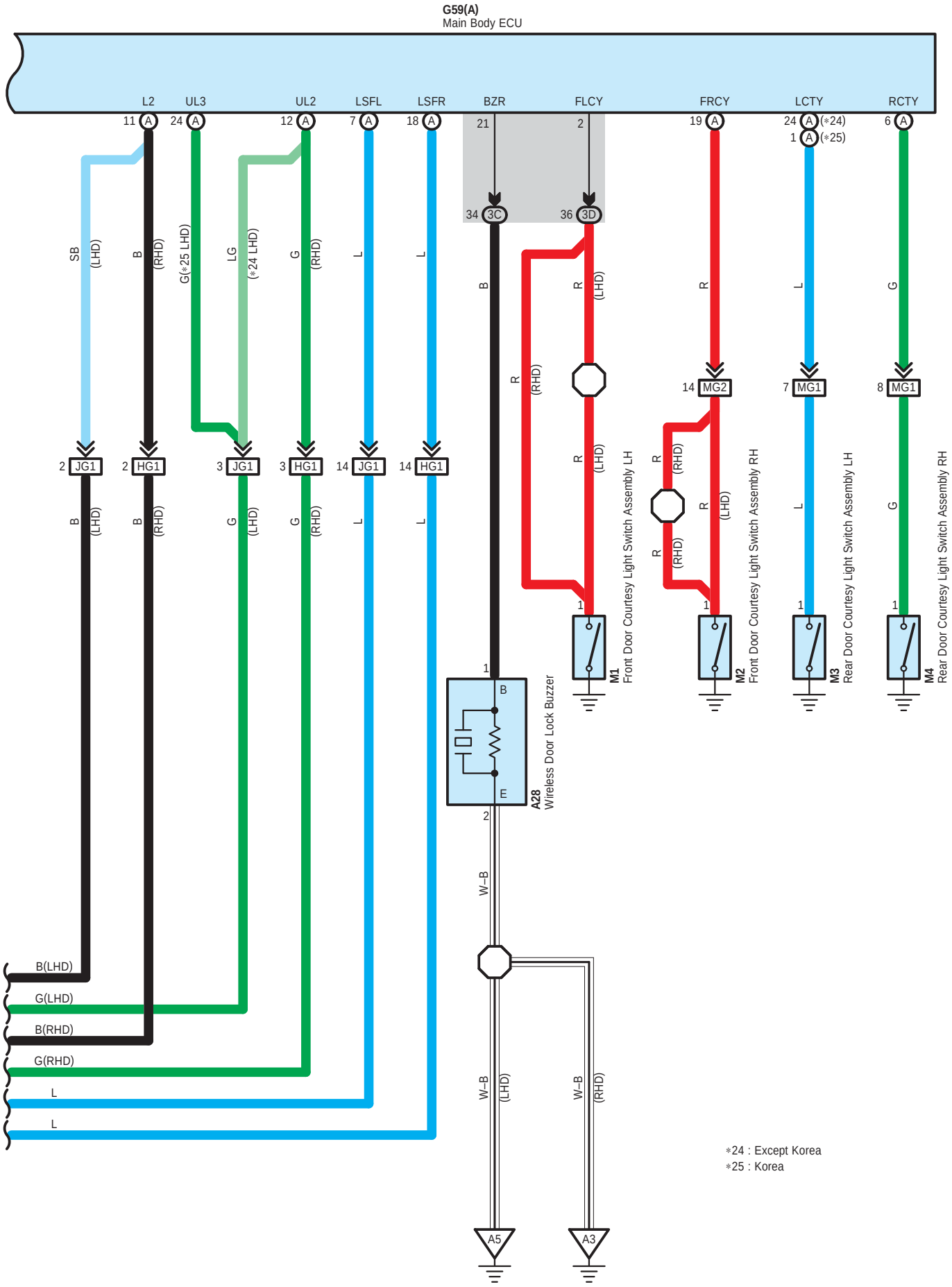


* 1 : LED Type Headlight
* 2 : Halogen Type Headlight
* 3 : w/ Rear Fog Light
* 4 : w/o Rear Fog Light
* 7 : Before Dec. 2014 Production
* 9 : w/ Room Light
*10 : w/o Room Light
*16 : Before Jun. 2017 Production
*17 : From Jun. 2017 Production
*20 : From Dec. 2014 Production
until Jun. 2017 Production
*21 : *2 *4 *7, *2 *20
*22 : *3 *7, *16 *1, *17 RHD *1, *17 LHD
*25 : Korea


G59(A)
Main Body ECU
BCYL
ILE
HORN
3
1
28
4 3C
5 3A
6 3B
19 3C
(BAT)
10A
HORN
2
HORN
Relay
7 2C
8 2C
G
BE
B
LG
(*25)
2 QG1
1 QG2
17 QG1 (*16)
3 QG2 (*17)
SB
(*9)
L
(*10)
B
G
Q1
Map Light
Assembly
B
CTY
E
W–B
Q6
No. 1 Room Light
Assembly
11 QG1 (*16)
10 QG2 (*17)
A17
Low Pitched
Horn Assembly
2 7A
G6


G59(A)
Main Body ECU
GND1
BCTY
TR+
ACT+
ACT–
11
20
6
9
8
(BAT)
25A
D/L
2
BK/DR
Relay
D/L
Relay
DR
UNLOCK
Relay
(*25)
(*25)
8 3B
35 3D
9 3D
2 3B
3 3B
W–B
B
B
Y
V
R
7 HG1
12 HG1
LA–G
(*26)
G
(*27)
LA–R
(*26)
R
(*27)
4
1
9 SM1
2 SM1
BR
B
6 ST1
4 ST1
BR
LA–P
3
1
L
UL
M
Unlock Detection
Key Unlock
Key Lock
E
LSSR
UL
L
H6
Front Door Lock Assembly RH
8
7
5
6
W–B
L
G
(RHD)
B
(RHD)
B(RHD)
G(RHD)
L
D+
ACT+
Courtesy
M
ACT–
T5
Back Door Lock Assembly
2
W–B
W–B
1 7A
5 6B
G6
T1
G5

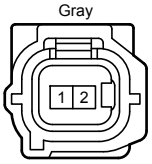

G59(A)
Main Body ECU
ACTD
LSR
10
5
(*25)
DR
UNLOCK D
Relay
(*24)
1 3B
4 3B
12 3D
8 3D
25 3D
11 3D
7 3D
24 3D
7 JG1
12 JG1
5 KM1
20 KM1
11 KM1
5 LM1
20 LM1
11 LM1
LA–Y
LA–P
LA–GR
Unlock Detection
Key Unlock
Key Lock
LSSR
UL
K3
Rear Door Lock
Assembly RH
L3
Rear Door Lock
Assembly LH
J6
Front Door Lock Assembly LH
10 KM1
10 LM1
W–B
B(LHD)
G(LHD)
B(RHD)
G(RHD)
5 7B
1 7A
G6
*24 : Except Korea
*25 : Korea
*26 : Before Jul. 2019 Production
*27 : From Jul. 2019 Production


G59(A)
Main Body ECU
L2
UL3
UL2
LSFL
LSFR
BZR
FLCY
FRCY
LCTY
RCTY
11 A
24 A
12 A
7 A
18 A
21
2
19 A
24 A (*24)
1 A (*25)
6 A
34 3C
36 3D
SB (LHD)
B (RHD)
G(*25 LHD)
LG (*24 LHD)
G (RHD)
L
L
B
R (LHD)
R (RHD)
R
L
G
2 JG1
2 HG1
3 JG1
3 HG1
14 JG1
14 HG1
14 MG2
7 MG1
8 MG1
B (LHD)
B (RHD)
G (LHD)
G (RHD)
L
L
R (RHD)
R (LHD)
R (RHD)
R (LHD)
L
G
1
B
E
A28
Wireless Door Lock Buzzer
M1
Front Door Courtesy Light Switch Assembly LH
M2
Front Door Courtesy Light Switch Assembly RH
M3
Rear Door Courtesy Light Switch Assembly LH
M4
Rear Door Courtesy Light Switch Assembly RH
W-B
W-B (LHD)
W-B (RHD)
A5
A3
B(LHD)
G(LHD)
B(RHD)
G(RHD)
L
L
*24 : Except Korea
*25 : Korea

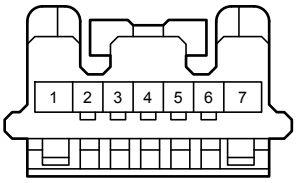
A 17
Black



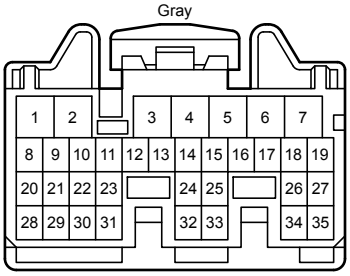
A 28
Gray



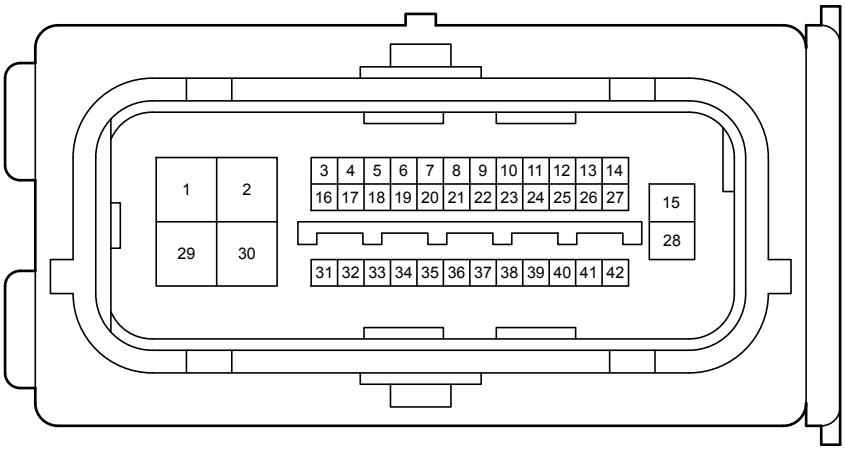
A 32
Black



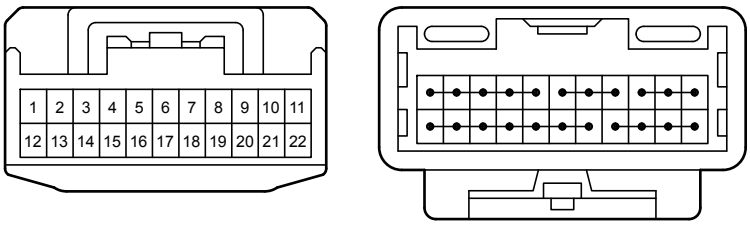
A 39
Gray



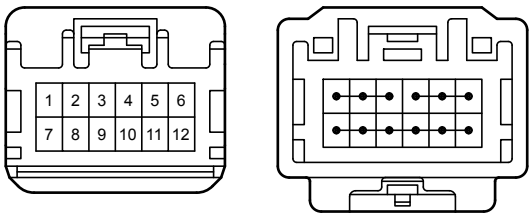
A 41
Black



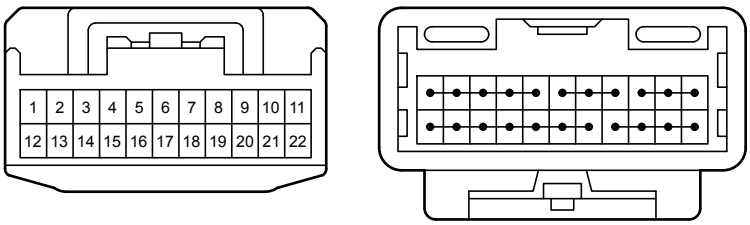
A 48
White



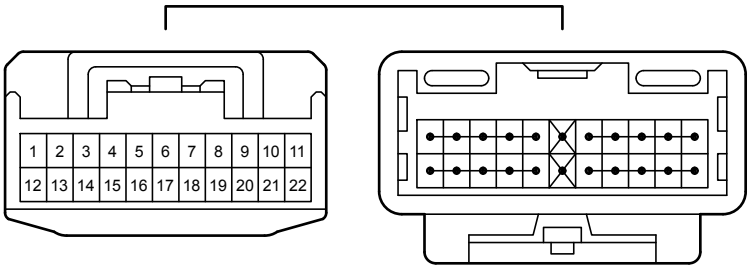
A 49
White



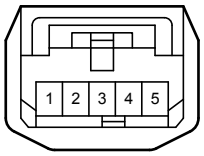
A 50
White



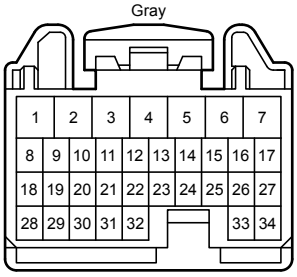
A 51
Blue



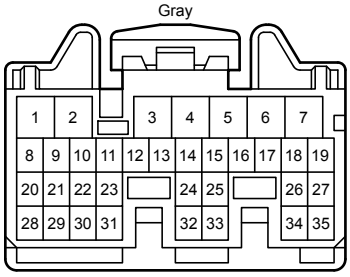
A 65
Blue



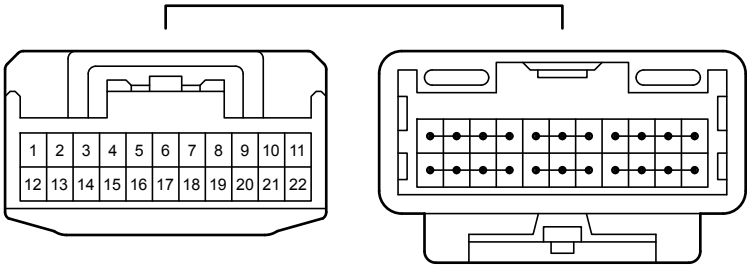
A 71
Gray



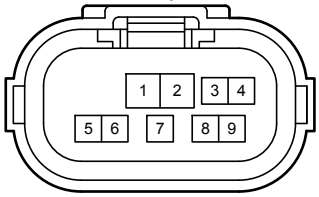
A 72
Gray



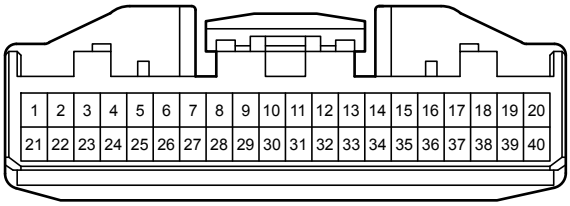
A 74
White



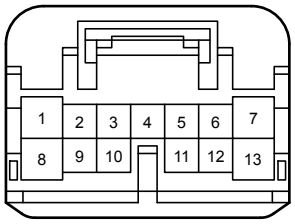
C 23
Gray



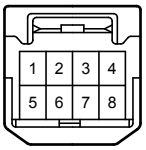
G 1
White



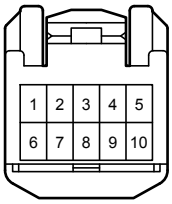
G 3
White



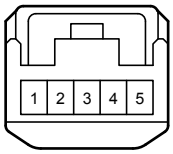
G 25
White



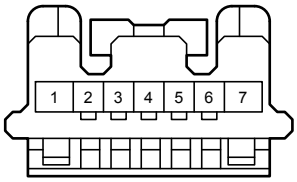
G 48
White



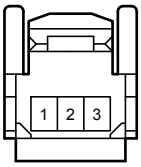
G 49
White



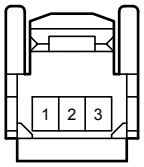
G 50
Black



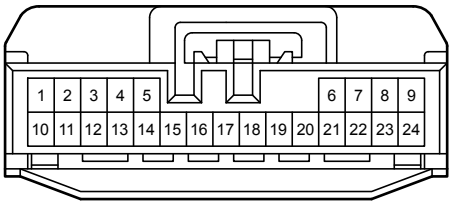
G 51
White



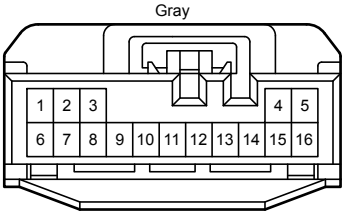
G 52
White



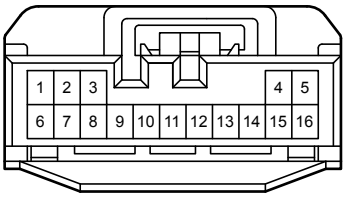
G 53
Black



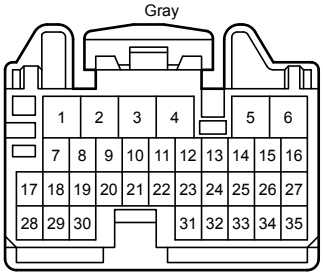
G 54
Gray



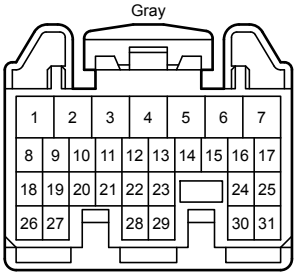
G 55
Black



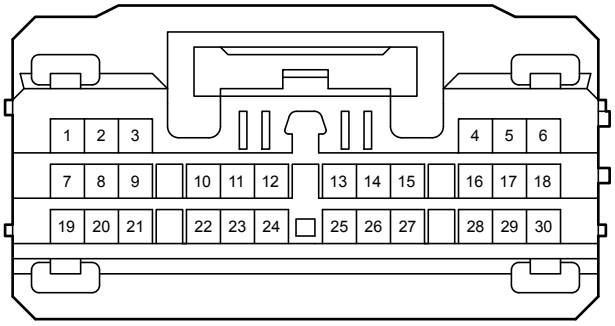
G 57
Gray



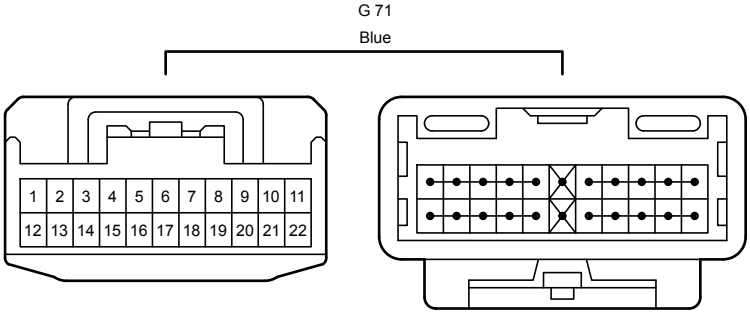
G 58
Gray



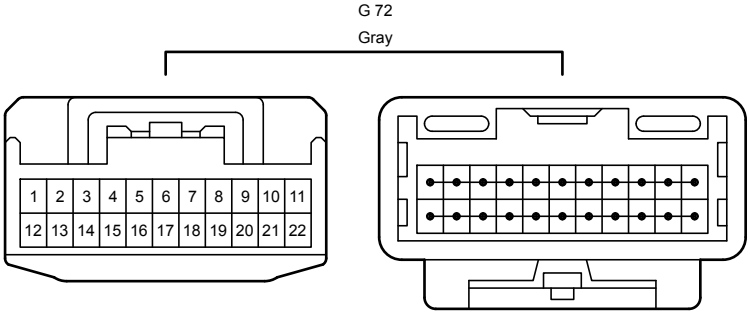
G 59
White



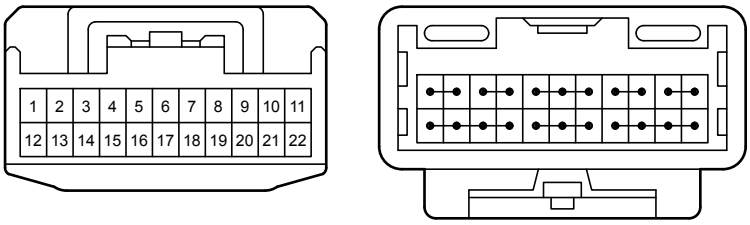
G 71
Blue



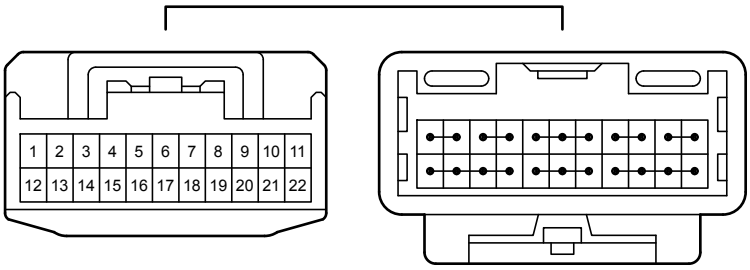
G 72
Gray



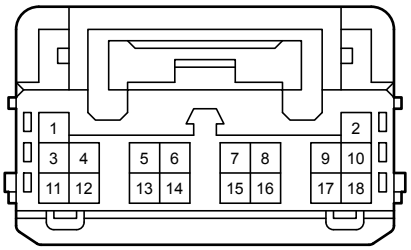
G 73
White



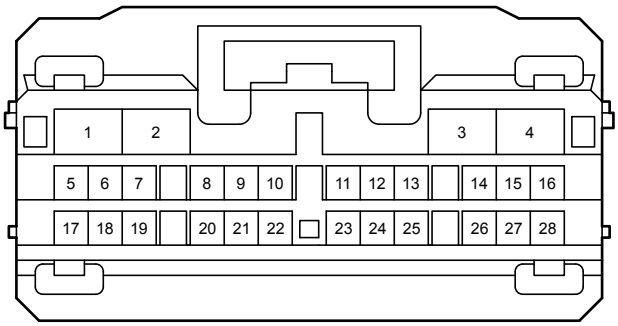
G 74
White



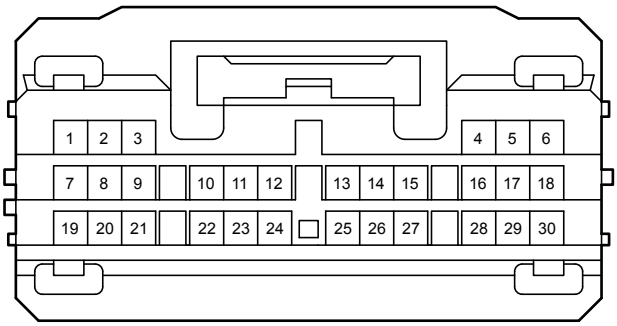
G 77
White



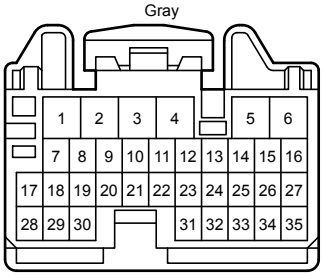
G 78
White



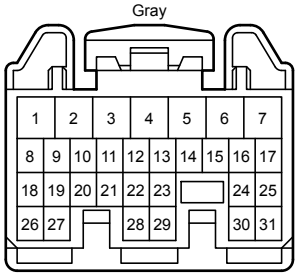
G 79
White



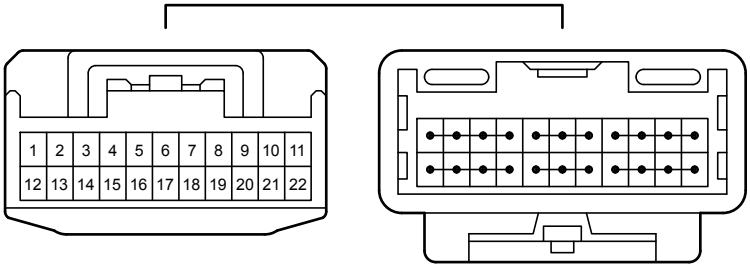
G 80
Gray



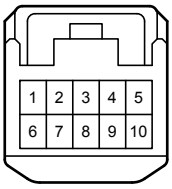
G 81
Gray



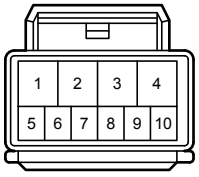
G 86
White



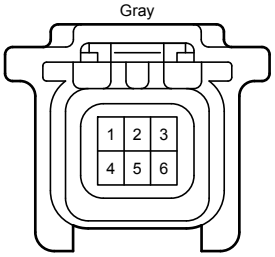
G 96
White



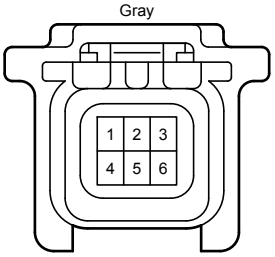
H 6
White



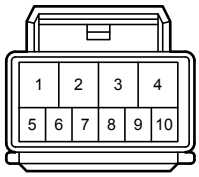
H 10
Gray



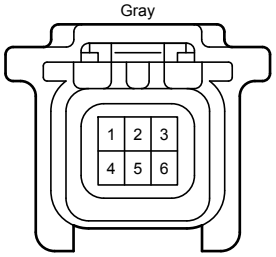
H 11
Gray



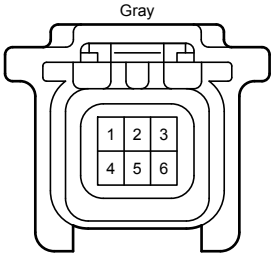
J 6
White



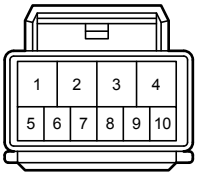
J 10
Gray



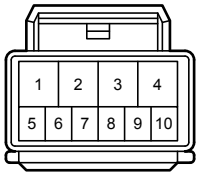
J 11
Gray



K 3
White



L 3
White



M 1
Black



M 2
Black



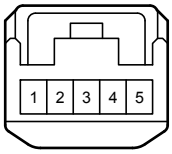
M 3
Black



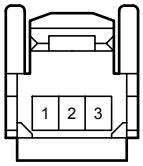
M 4
Black



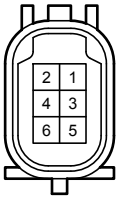
M 15
Blue



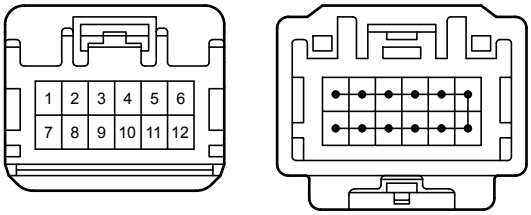
M 16
White



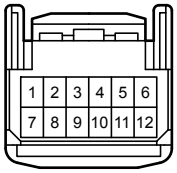
M 19
White



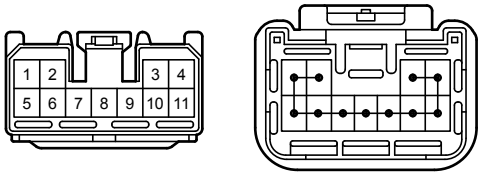
M 46
White



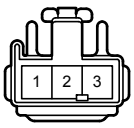
M 48
White



M 49
White



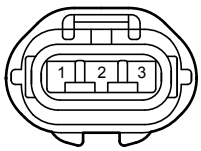
Q 1
White



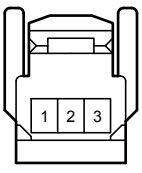
Q 6
Gray



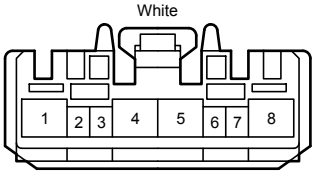
T 5
Black



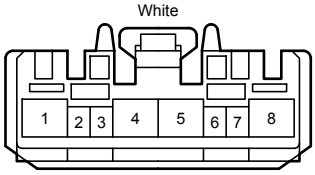
T 6
White



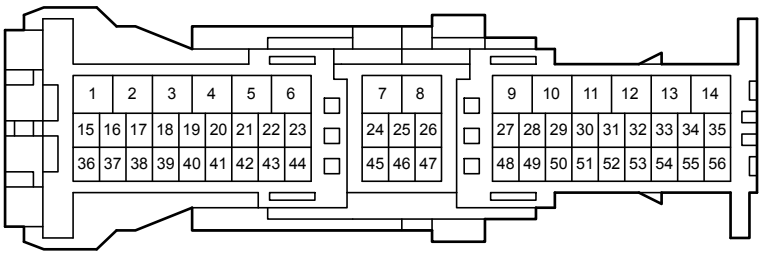
2C
White



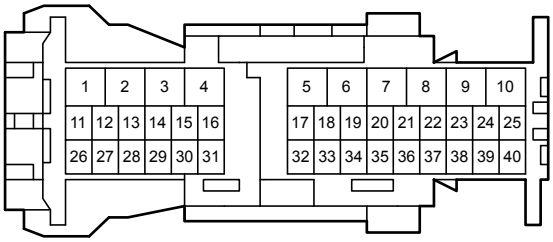
2D
White



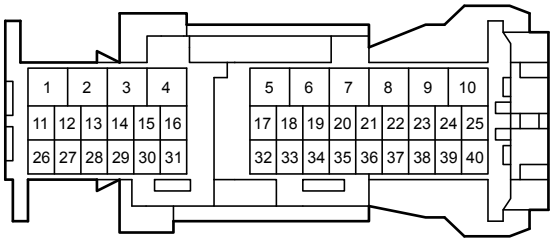
3A
White



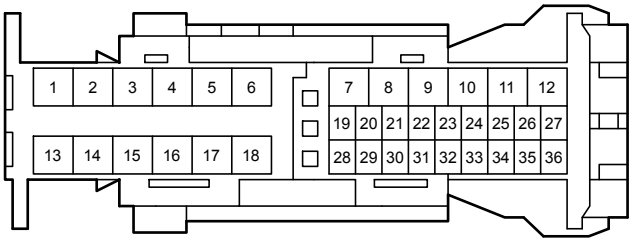
3B
White



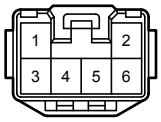
3C
White



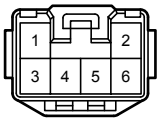
3D
White



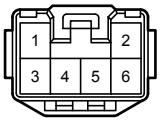
6A
White



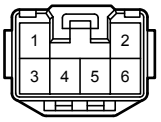
6B
White



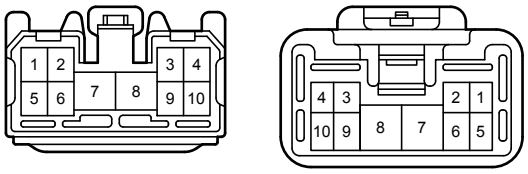
7A
White



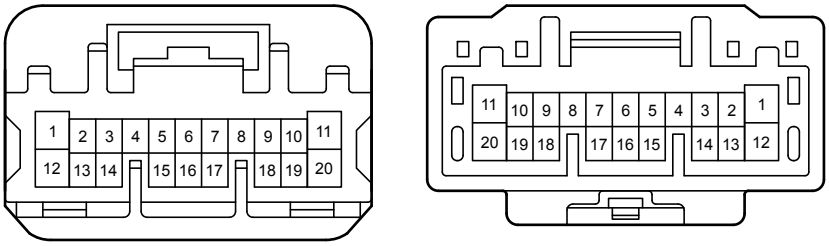
7B
White



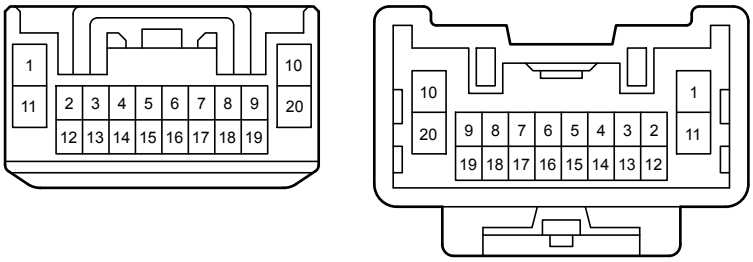
AG1
White



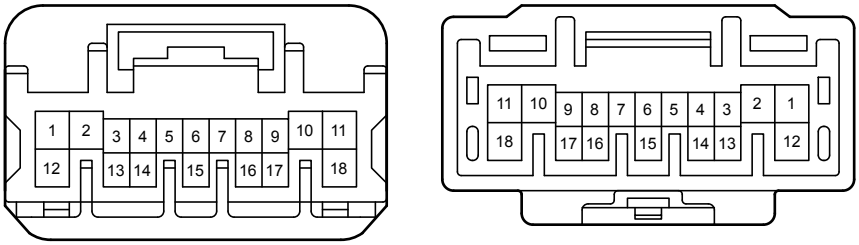
AG2
Black



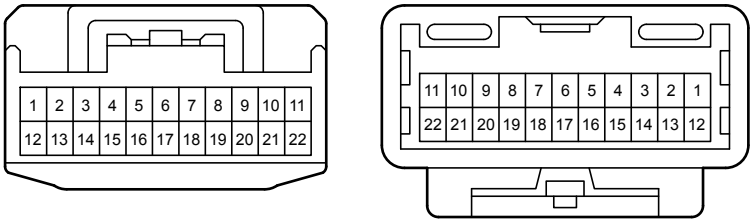
AG3
Gray



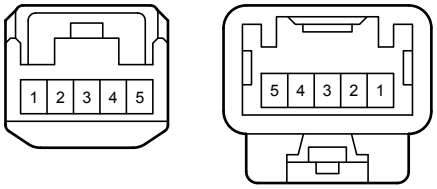
AG4
White



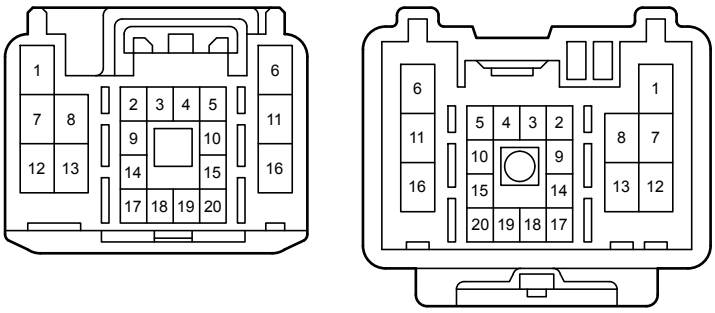
CA1
White



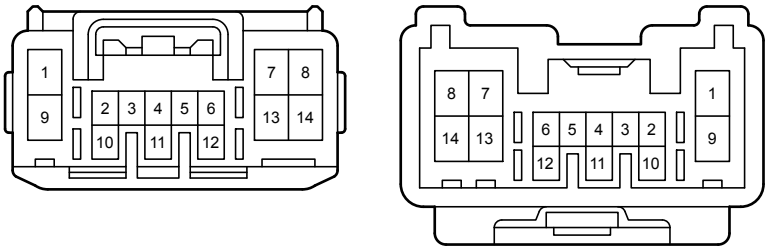
GG1
White



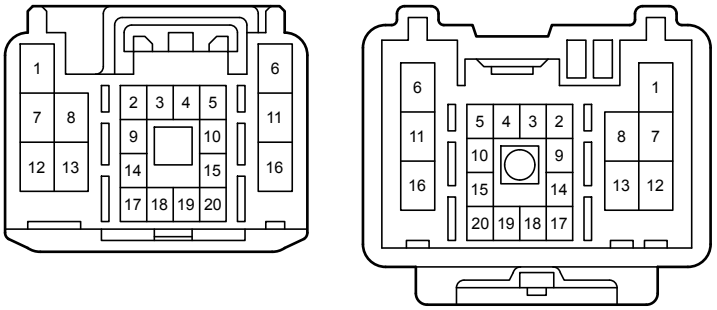
HG1
White



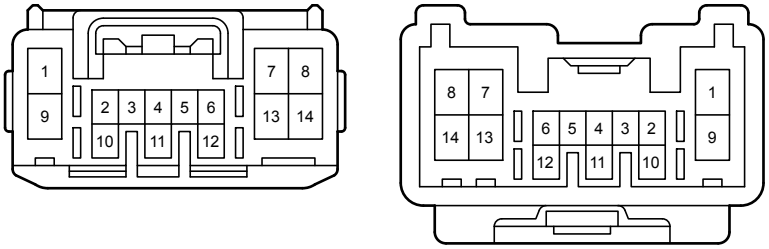
HG2
White



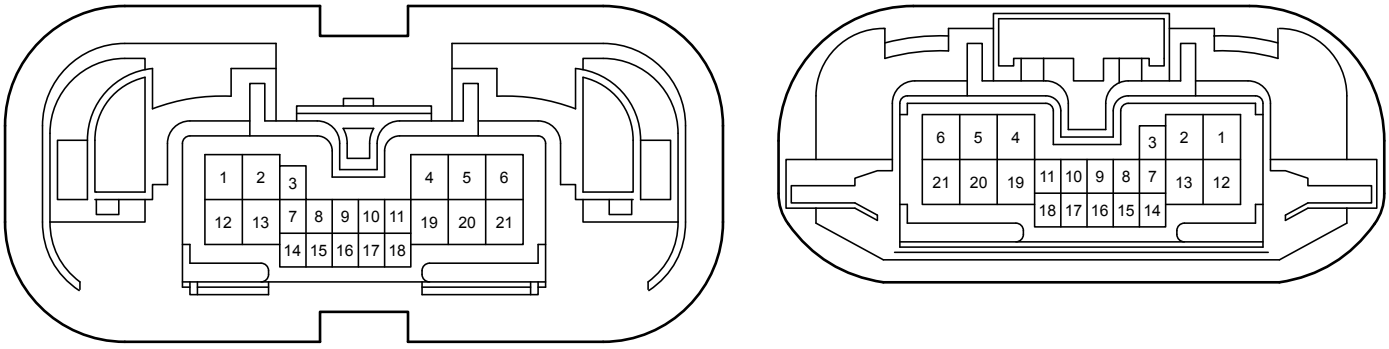
JG1
White



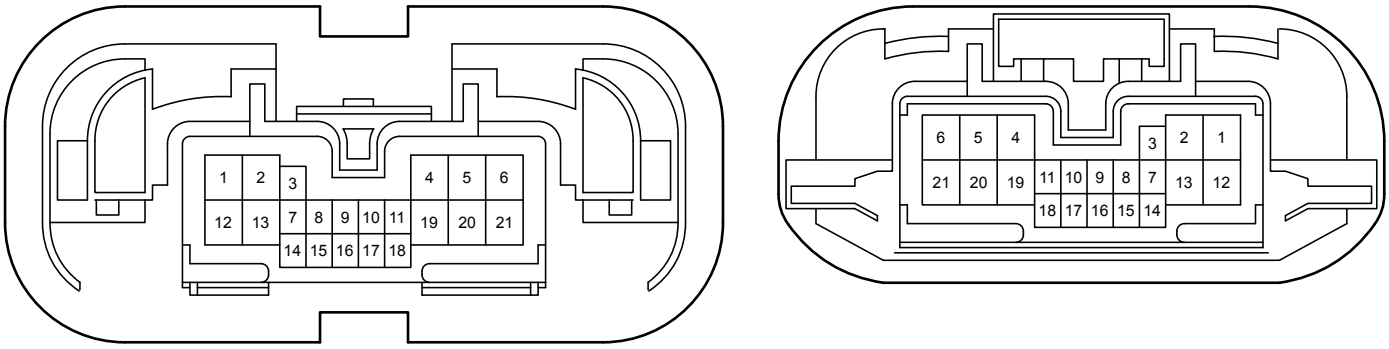
JG2
White



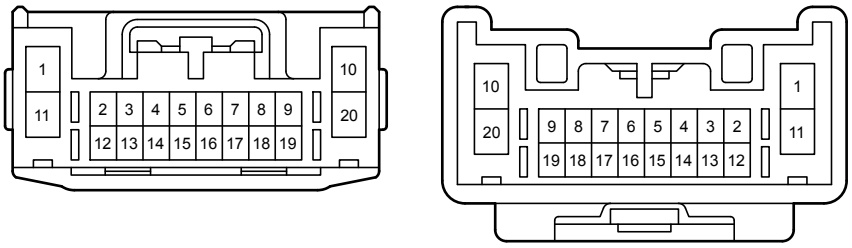
KM1
White



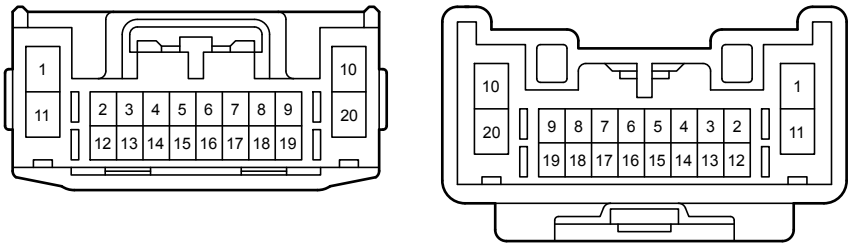
LM1
White



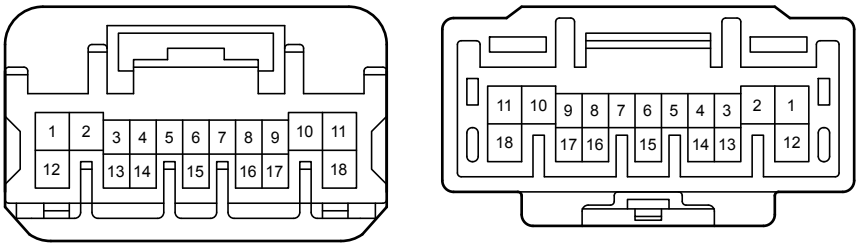
MG1
White

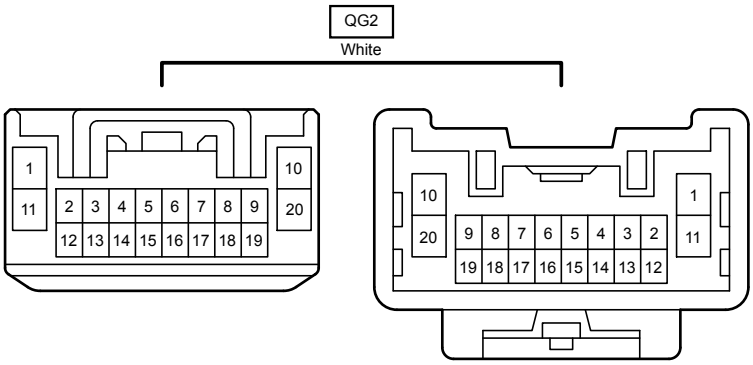


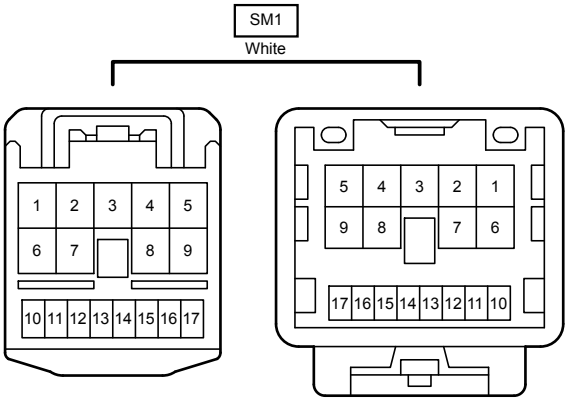
MG2
White

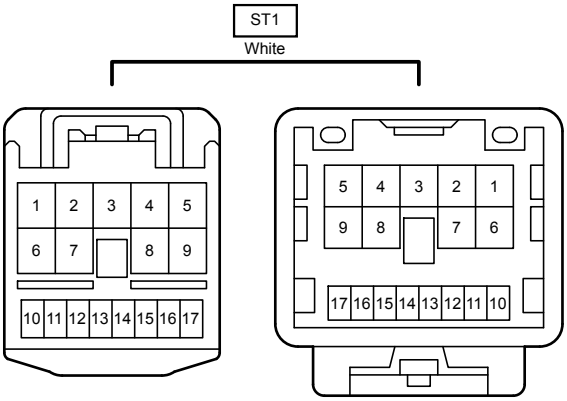


QG1
White




QG2
White
1
11
2 3 4 5 6 7 8 9
12 13 14 15 16 17 18 19
10
20
10
20
9 8 7 6 5 4 3 2
19 18 17 16 15 14 13 12
1
11


SM1
White
1 2 3 4 5
6 7 8 9
10 11 12 13 14 15 16 17
5 4 3 2 1
9 8 7 6
17 16 15 14 13 12 11 10


ST1
White
1 2 3 4 5
6 7 8 9
10 11 12 13 14 15 16 17
5 4 3 2 1
9 8 7 6
17 16 15 14 13 12 11 10