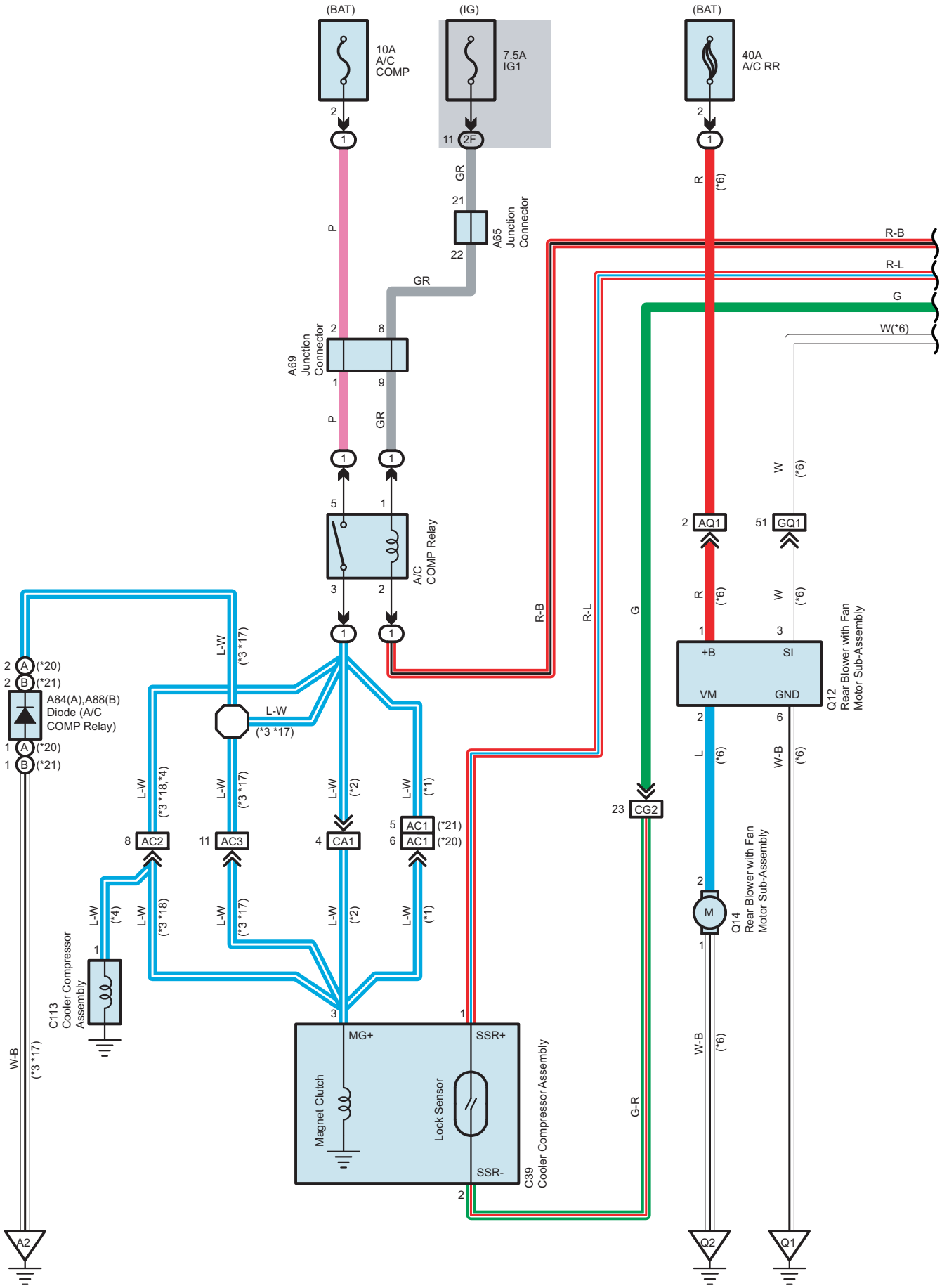
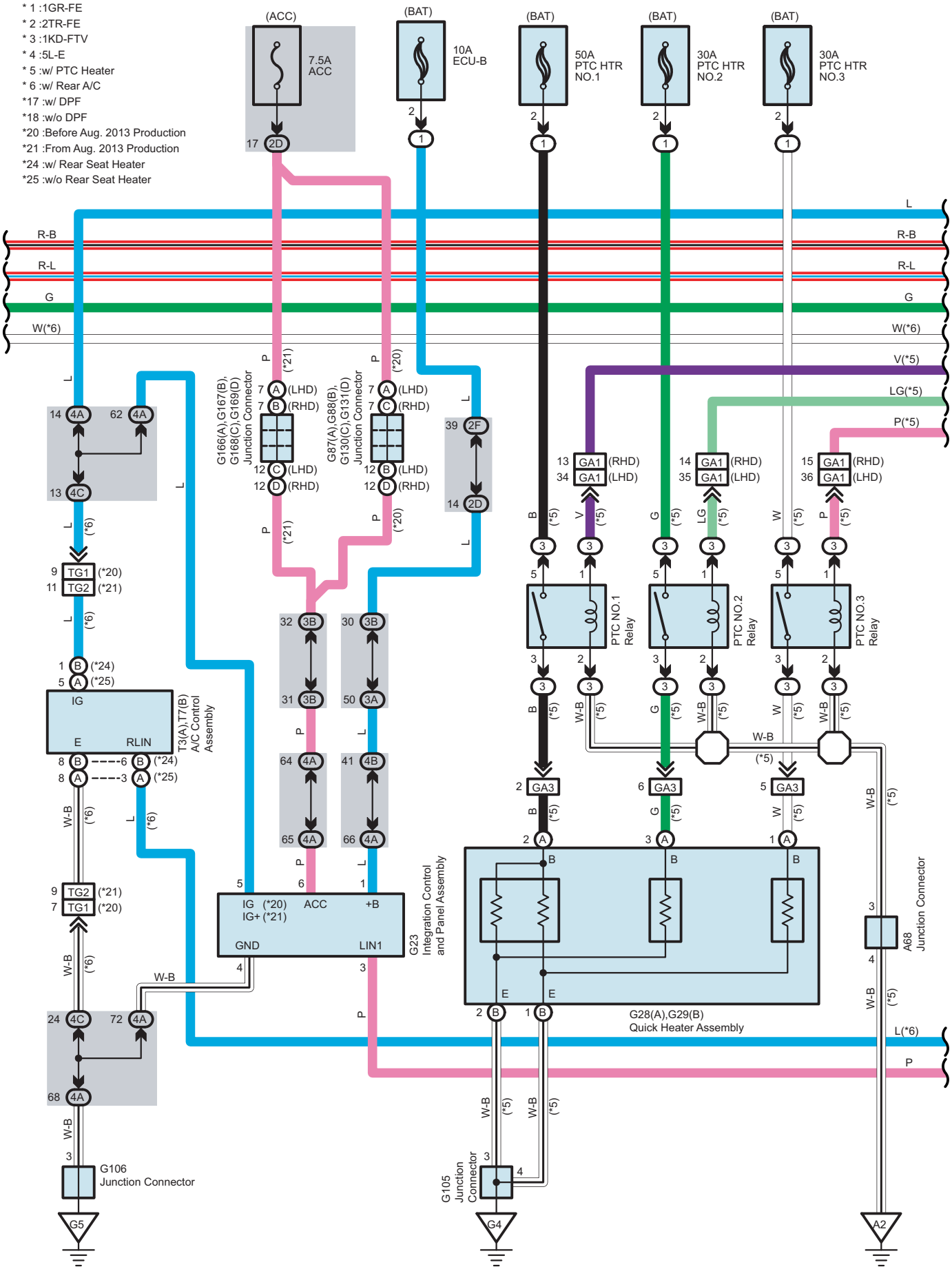
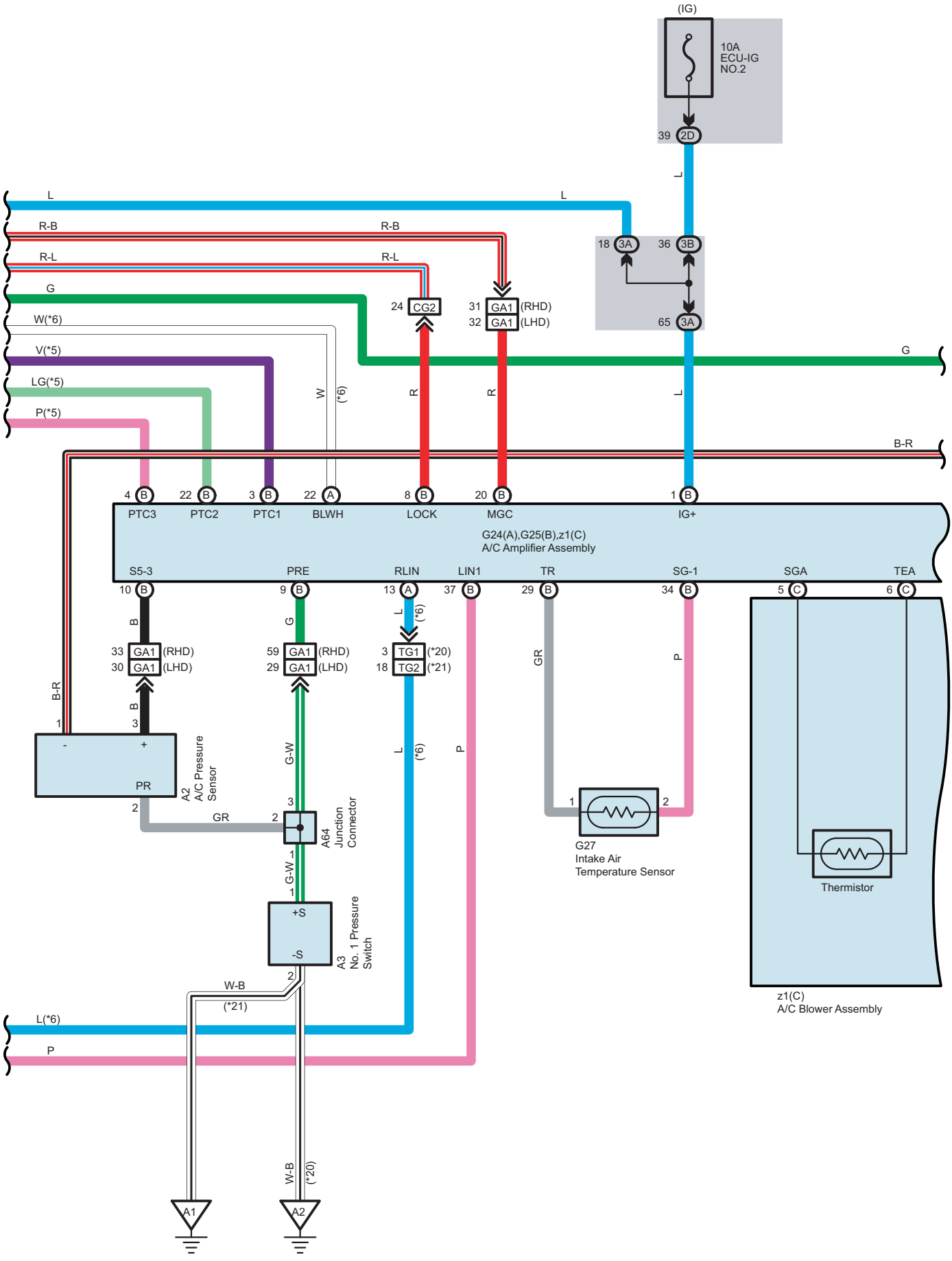
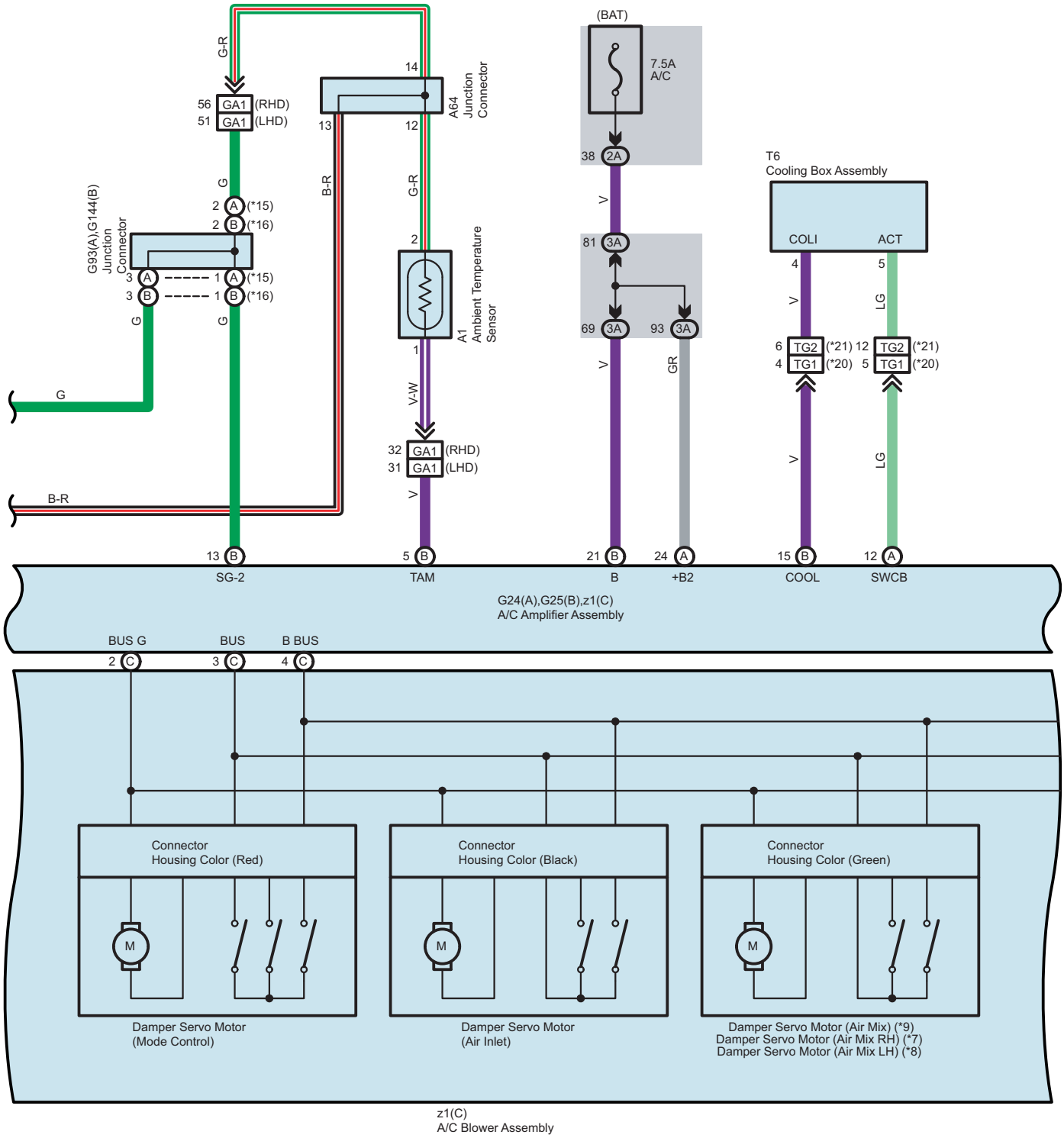

(BAT)
10A
A/C
COMP
(IG)
7.5A
IG1
(BAT)
40A
A/C RR
A65
Junction
Connector
A69
Junction
Connector
A/C
COMP Relay
R-B
R-L
G
W(*6)
AQ1
GQ1
+B
SI
VM
GND
Q12
Rear Blower with Fan
Motor Sub-Assembly
Q14
Rear Blower with Fan
Motor Sub-Assembly
A84(A),A88(B)
Diode (A/C
COMP Relay)
AC2
AC3
CA1
AC1
CG2
C113
Cooler Compressor
Assembly
C39
Cooler Compressor Assembly
MG+
SSR+
SSR-
Magnet Clutch
Lock Sensor
G-R
W-B
A2
Q2
Q1

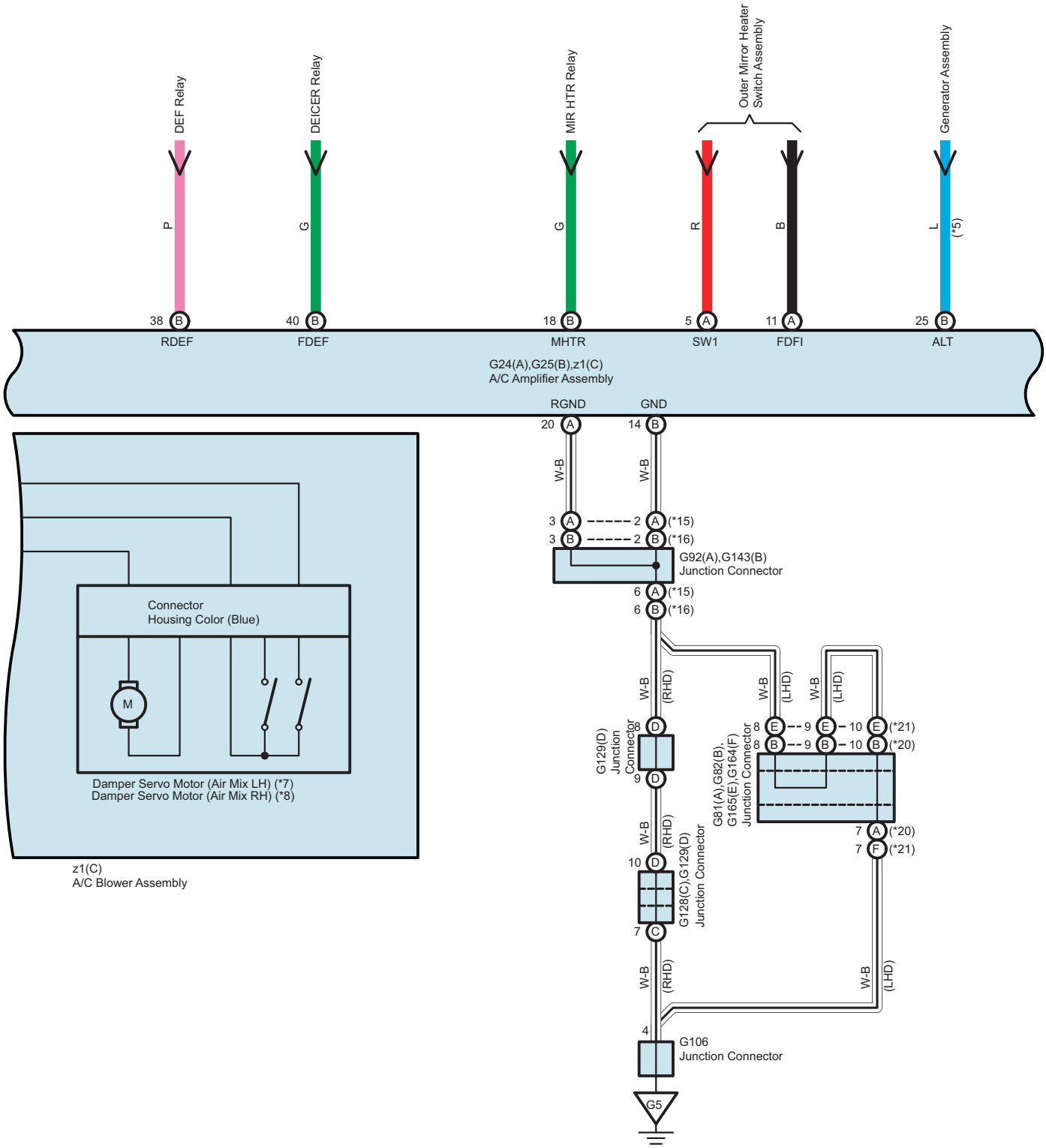

* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
* 5 :w/ PTC Heater
* 6 :w/ Rear A/C
*17 :w/ DPF
*18 :w/o DPF
*20 :Before Aug. 2013 Production
*21 :From Aug. 2013 Production
*24 :w/ Rear Seat Heater
*25 :w/o Rear Seat Heater
(ACC)
7.5A ACC
(BAT)
10A ECU-B
(BAT)
50A PTC HTR NO.1
(BAT)
30A PTC HTR NO.2
(BAT)
30A PTC HTR NO.3
R-B
R-L
G
W(*6)
L
V(*5)
LG(*5)
P(*5)
G166(A),G167(B), G168(C),G169(D) Junction Connector
G87(A),G88(B), G130(C),G131(D) Junction Connector
PTC NO.1 Relay
PTC NO.2 Relay
PTC NO.3 Relay
T3(A),T7(B) A/C Control Assembly
IG
E
RLIN
G23 Integration Control and Panel Assembly
IG (*20)
IG+ (*21)
ACC
+B
GND
LIN1
G28(A),G29(B) Quick Heater Assembly
A68 Junction Connector
G106 Junction Connector
G105 Junction Connector
G5
G4
A2

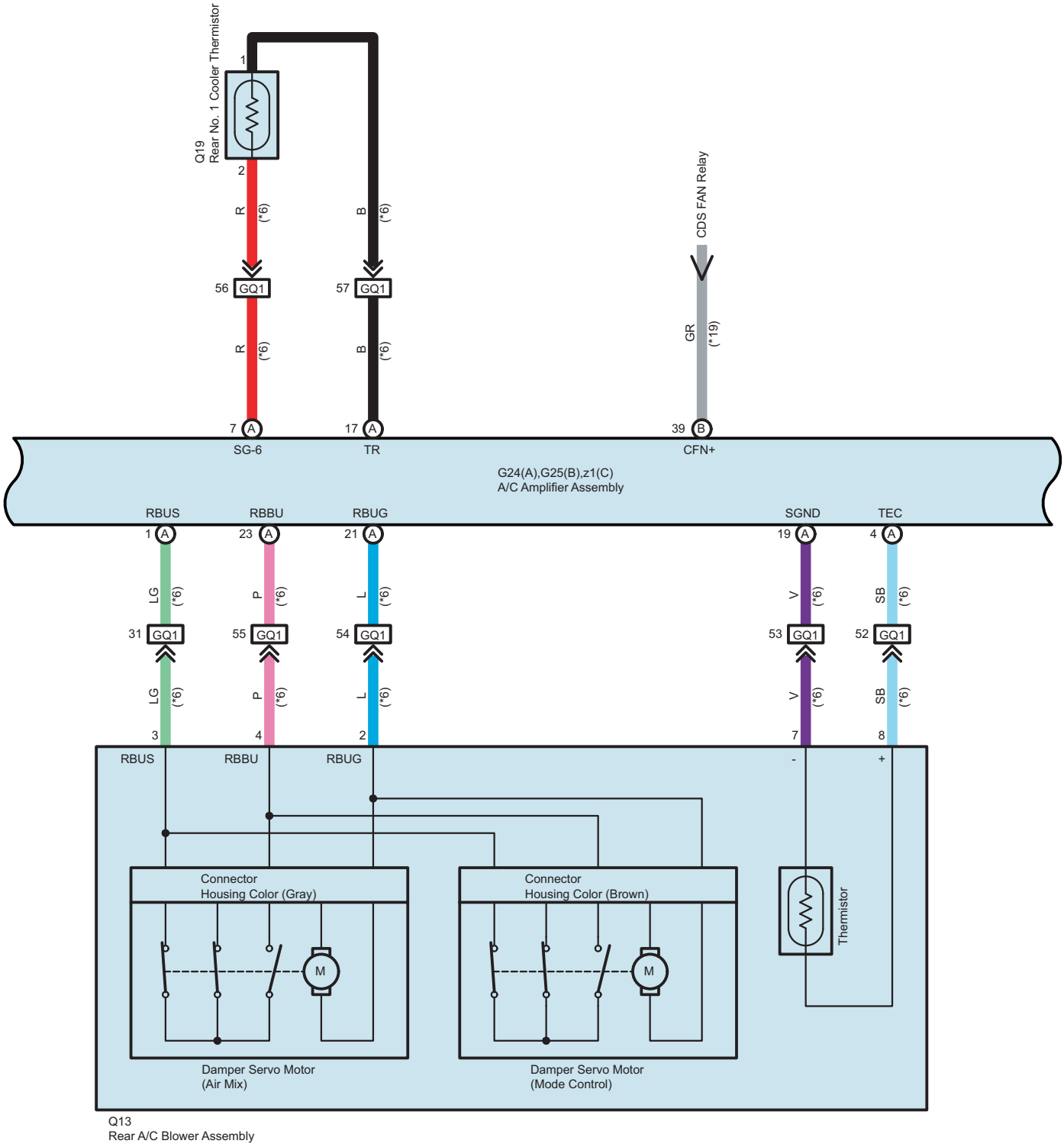

(IG)
10A
ECU-IG
NO.2
39 2D
L
L
L
R-B
R-B
R-L
R-L
G
W(*6)
V(*5)
LG(*5)
P(*5)
18 3A
36 3B
65 3A
24 CG2
31 GA1 (RHD)
32 GA1 (LHD)
G
W
(*6)
R
R
L
B-R
4 B PTC3
22 B PTC2
3 B PTC1
22 A BLWH
8 B LOCK
20 B MGC
1 B IG+
G24(A),G25(B),z1(C)
A/C Amplifier Assembly
S5-3
PRE
RLIN
LIN1
TR
SG-1
SGA
TEA
10 B
9 B
13 A
37 B
29 B
34 B
5 C
6 C
B
G
L
(*6)
GR
P
33 GA1 (RHD)
30 GA1 (LHD)
59 GA1 (RHD)
29 GA1 (LHD)
3 TG1 (*20)
18 TG2 (*21)
B-R
B
1
3
-
+
PR
2
A2
A/C Pressure
Sensor
G-W
3
2
A64
Junction
Connector
1
G-W
1
+S
-S
A3
No. 1 Pressure
Switch
2
W-B
(*21)
L(*6)
P
1
2
G27
Intake Air
Temperature Sensor
Thermistor
z1(C)
A/C Blower Assembly
W-B
(*20)
A1
A2

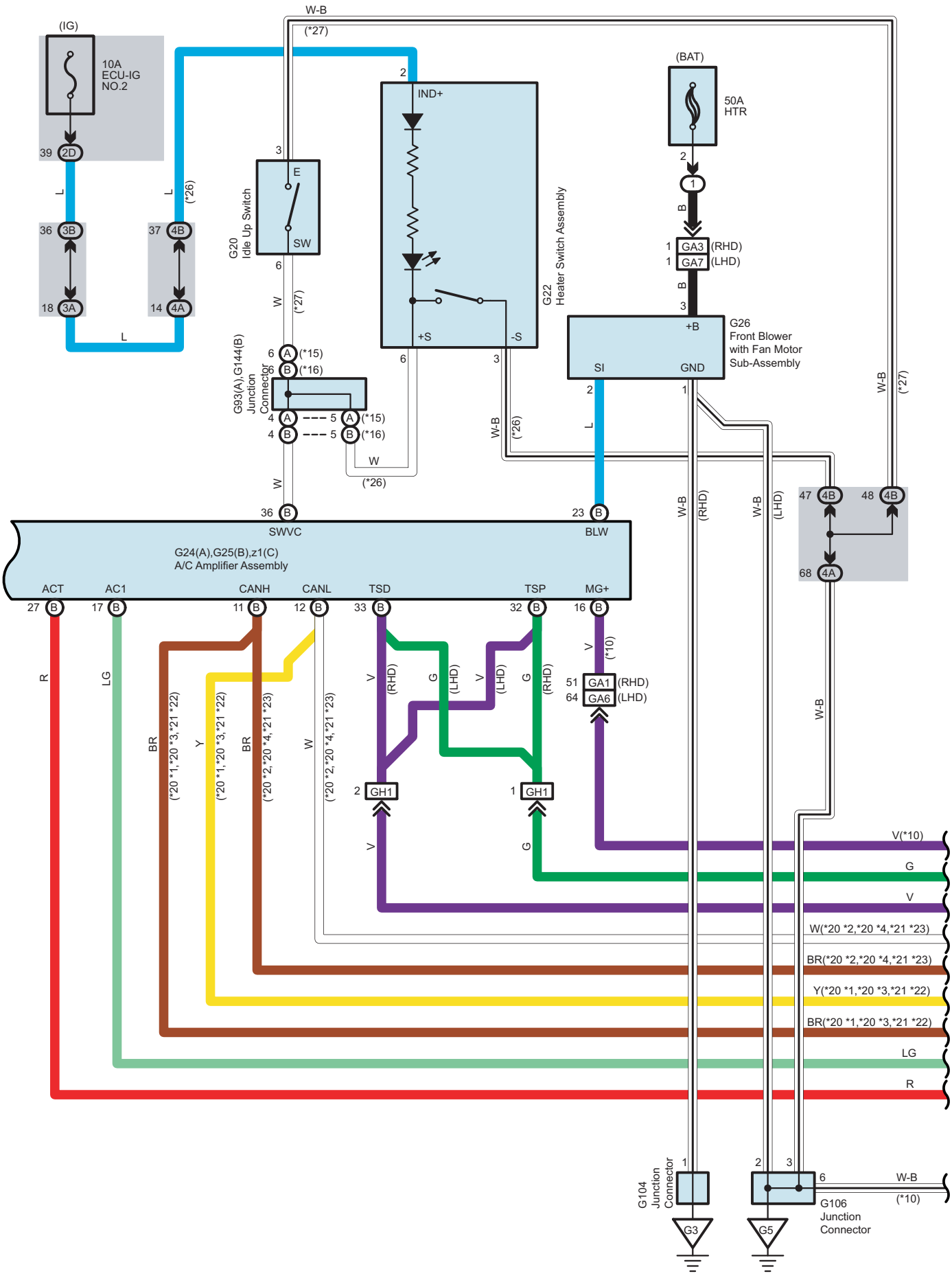


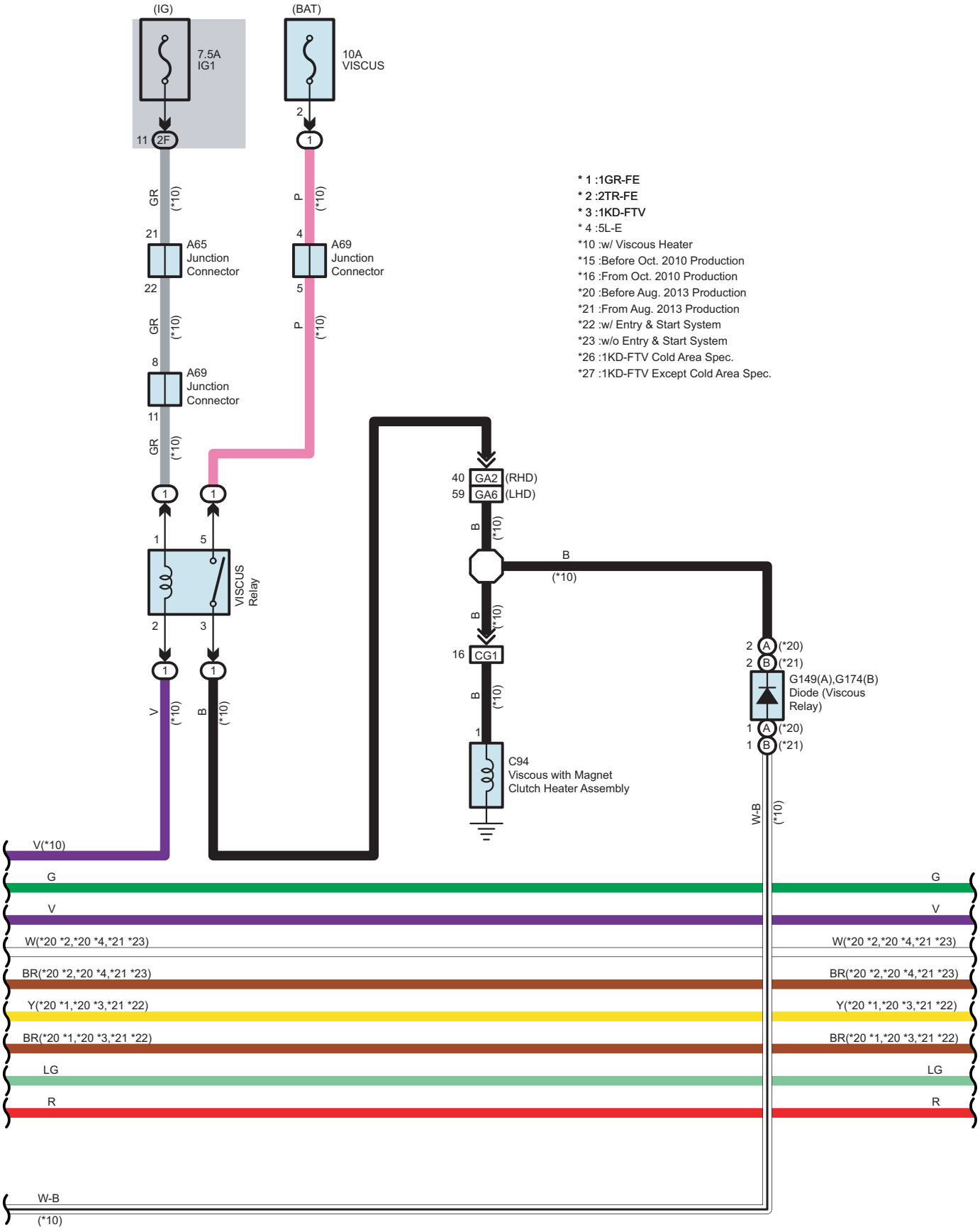
* 5 :w/ PTC Heater
* 6 :w/ Rear A/C
* 7 :LHD Automatic A/C
* 8 :RHD Automatic A/C
* 9 :Manual A/C
*15 :Before Oct. 2010 Production
*16 :From Oct. 2010 Production
* 20 :Before Aug. 2013 Production
* 21 :From Aug. 2013 Production

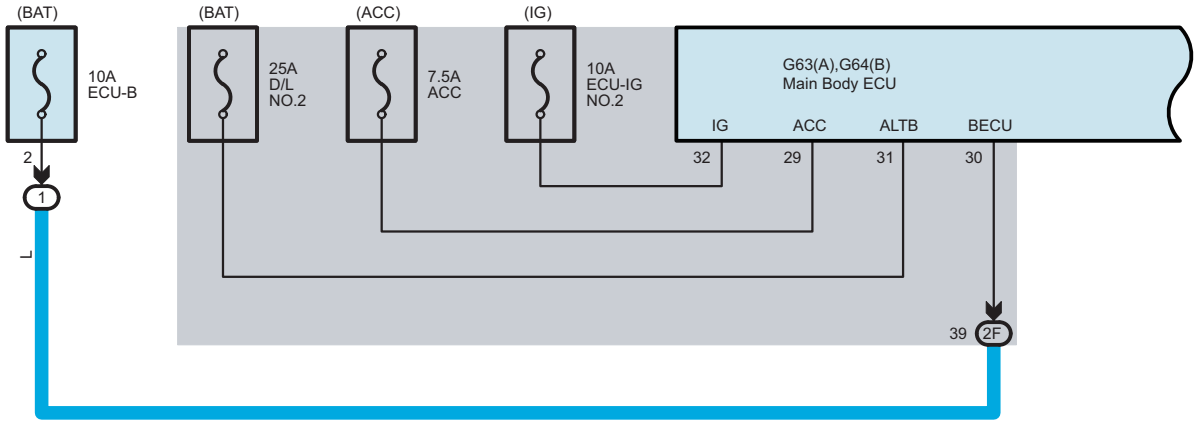
* 5 :w/ PTC Heater
* 6 :w/ Rear A/C
* 7 :LHD Automatic A/C
* 8 :RHD Automatic A/C
*15 :Before Oct. 2010 Production
*16 :From Oct. 2010 Production
*19 :Except 1KD-FTV
*20 :Before Aug. 2013 Production
*21 :From Aug. 2013 Production




Q19
Rear No. 1 Cooler Thermistor
1
2
R
(*6)
B
(*6)
56 GQ1
57 GQ1
R
(*6)
B
(*6)
7 A
17 A
SG-6
TR
CDS FAN Relay
GR
(*19)
39 B
CFN+
G24(A),G25(B),z1(C)
A/C Amplifier Assembly
RBUS
RBBU
RBUG
SGND
TEC
1 A
23 A
21 A
19 A
4 A
LG
(*6)
P
(*6)
L
(*6)
V
(*6)
SB
(*6)
31 GQ1
55 GQ1
54 GQ1
53 GQ1
52 GQ1
LG
(*6)
P
(*6)
L
(*6)
V
(*6)
SB
(*6)
3
4
2
7
8
RBUS
RBBU
RBUG
-
+
Connector
Housing Color (Gray)
Connector
Housing Color (Brown)
Thermistor
M
M
Damper Servo Motor
(Air Mix)
Damper Servo Motor
(Mode Control)
Q13
Rear A/C Blower Assembly

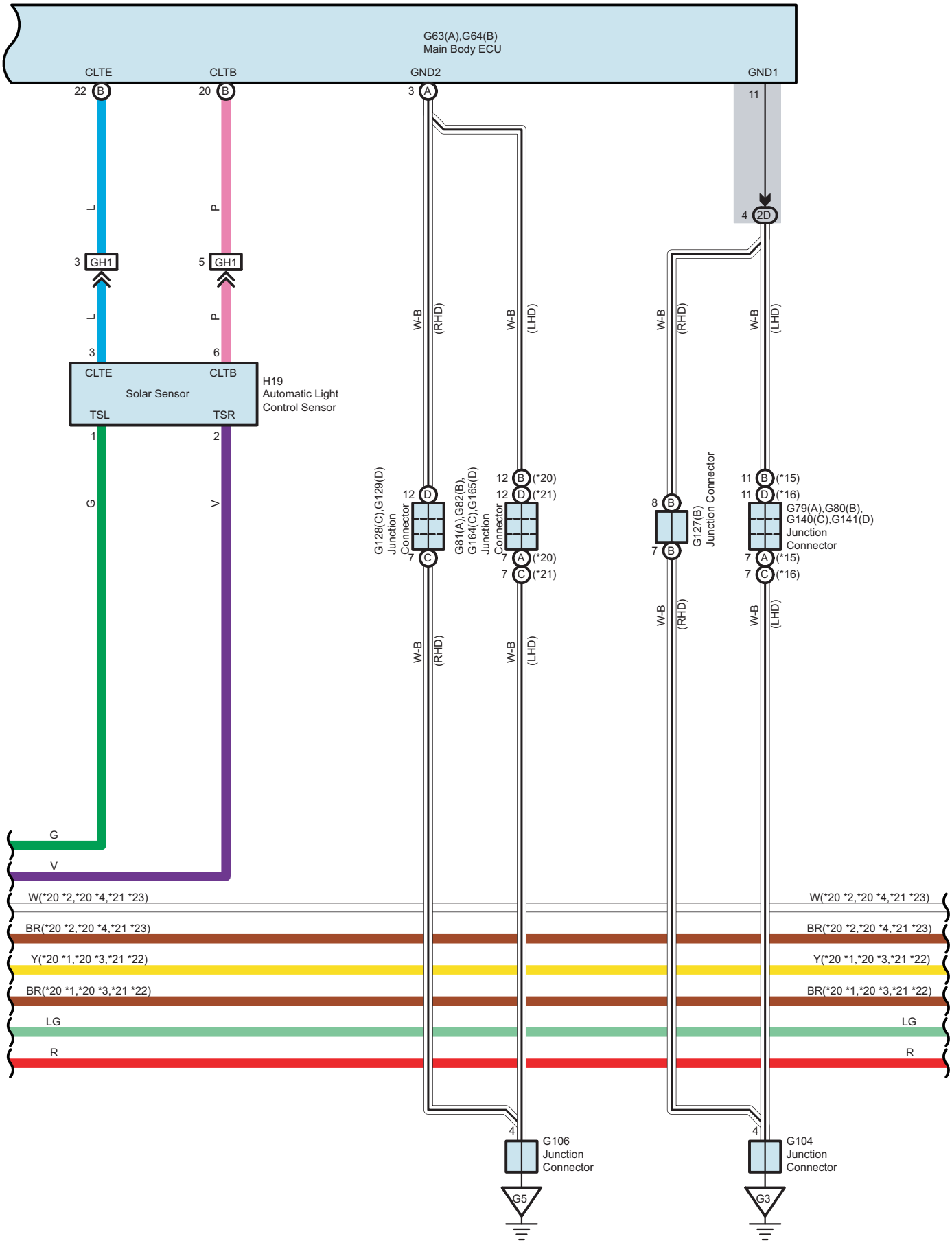

(IG)
10A
ECU-IG
NO.2
39 2D
36 3B
18 3A
37 4B
14 4A
L
(*26)
W-B
(*27)
G20
Idle Up Switch
E
SW
3
6
W
(*27)
6 A (*15)
6 B (*16)
G93(A),G144(B)
Junction
Connector
4 A --- 5 A (*15)
4 B --- 5 B (*16)
W
(*26)
2
IND+
+S
-S
6
3
G22
Heater Switch Assembly
(BAT)
50A
HTR
2
1
B
1 GA3 (RHD)
1 GA7 (LHD)
B
3
+B
SI
GND
G26
Front Blower
with Fan Motor
Sub-Assembly
2
1
W-B
(*27)
W-B
(*26)
L
W-B
(RHD)
W-B
(LHD)
47 4B
48 4B
68 4A
36 B
SWVC
23 B
BLW
G24(A),G25(B),z1(C)
A/C Amplifier Assembly
ACT
AC1
CANH
CANL
TSD
TSP
MG+
27 B
17 B
11 B
12 B
33 B
32 B
16 B
R
LG
BR
(*20 *1,*20 *3,*21 *22)
Y
(*20 *1,*20 *3,*21 *22)
BR
(*20 *2,*20 *4,*21 *23)
W
(*20 *2,*20 *4,*21 *23)
V
(RHD)
G
(LHD)
V
(LHD)
G
(RHD)
V
(*10)
51 GA1 (RHD)
64 GA6 (LHD)
2 GH1
1 GH1
V
G
V(*10)
G
V
W(*20 *2,*20 *4,*21 *23)
BR(*20 *2,*20 *4,*21 *23)
Y(*20 *1,*20 *3,*21 *22)
BR(*20 *1,*20 *3,*21 *22)
LG
R
G104
Junction
Connector
1
G3
2
3
G5
6
W-B
(*10)
G106
Junction
Connector

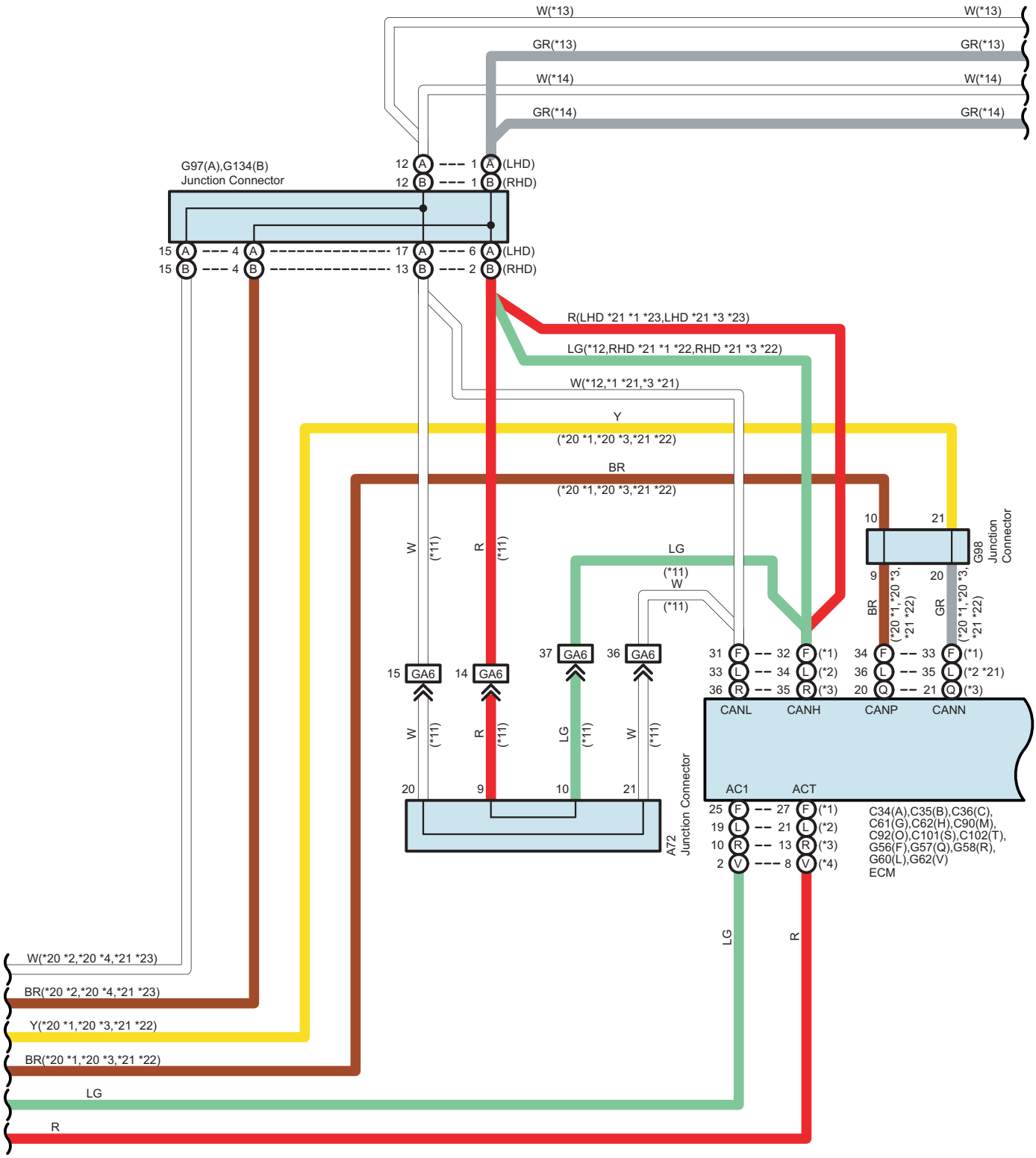

(IG)
7.5A
IG1
11
2F
GR
(*10)
21
A65
Junction
Connector
22
GR
(*10)
8
A69
Junction
Connector
11
GR
(*10)
(BAT)
10A
VISCUS
2
1
P
(*10)
4
A69
Junction
Connector
5
P
(*10)
* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
*10 :w/ Viscous Heater
*15 :Before Oct. 2010 Production
*16 :From Oct. 2010 Production
*20 :Before Aug. 2013 Production
*21 :From Aug. 2013 Production
*22 :w/ Entry & Start System
*23 :w/o Entry & Start System
*26 :1KD-FTV Cold Area Spec.
*27 :1KD-FTV Except Cold Area Spec.
1
1
1
5
VISCUS
Relay
2
3
1
1
V
(*10)
B
(*10)
40
GA2
(RHD)
59
GA6
(LHD)
B
(*10)
B
(*10)
B
(*10)
16
CG1
B
(*10)
1
C94
Viscous with Magnet
Clutch Heater Assembly
2
A
(*20)
2
B
(*21)
G149(A),G174(B)
Diode (Viscous
Relay)
1
A
(*20)
1
B
(*21)
W-B
(*10)
V(*10)
G
V
W(*20 *2,*20 *4,*21 *23)
BR(*20 *2,*20 *4,*21 *23)
Y(*20 *1,*20 *3,*21 *22)
BR(*20 *1,*20 *3,*21 *22)
LG
R
G
V
W(*20 *2,*20 *4,*21 *23)
BR(*20 *2,*20 *4,*21 *23)
Y(*20 *1,*20 *3,*21 *22)
BR(*20 *1,*20 *3,*21 *22)
LG
R
W-B
(*10)

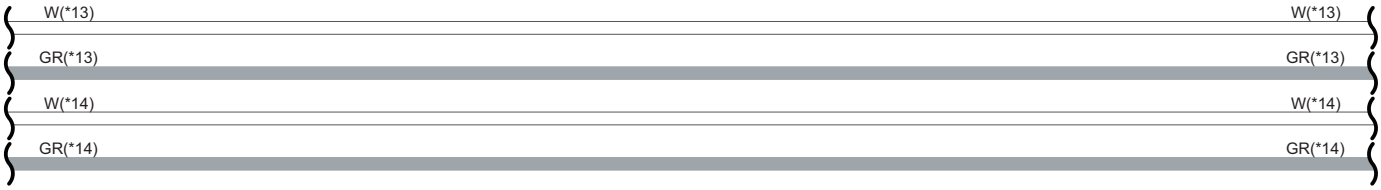


* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
*15 :Before Oct. 2010 Production
*16 :From Oct. 2010 Production
*20 :Before Aug. 2013 Production
*21 :From Aug. 2013 Production
*22 :w/ Entry & Start System
*23 :w/o Entry & Start System



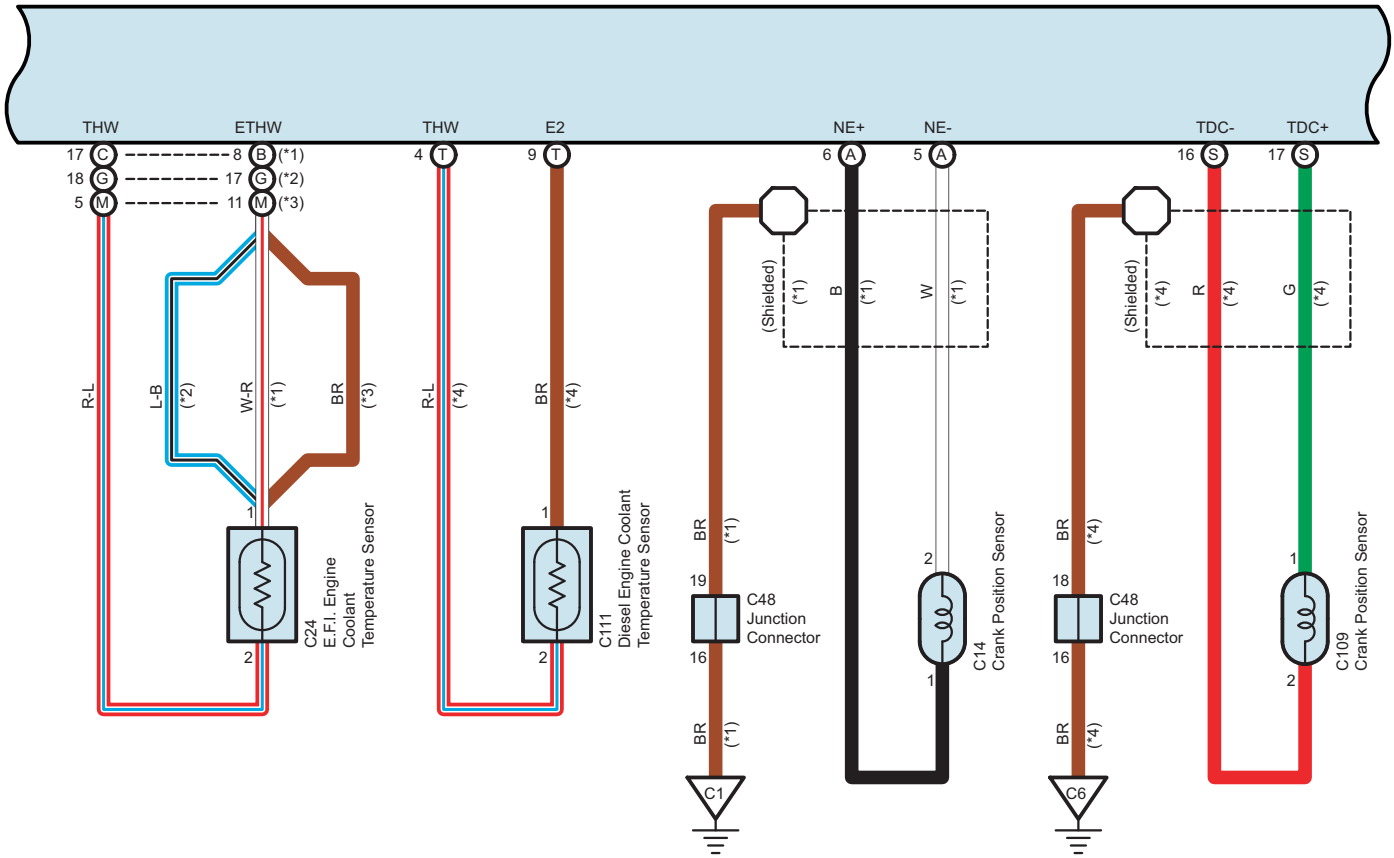

G63(A),G64(B)
Main Body ECU
CLTE
CLTB
GND2
GND1
22 B
20 B
3 A
11
4 2D
L
P
3 GH1
5 GH1
L
P
3
6
CLTE
CLTB
Solar Sensor
TSL
TSR
H19
Automatic Light
Control Sensor
1
2
G
V
W-B
(RHD)
W-B
(LHD)
G128(C),G129(D)
Junction
Connector
12 D
7 C
G81(A),G82(B),
G164(C),G165(D)
Junction
Connector
12 B (*20)
12 D (*21)
7 A (*20)
7 C (*21)
G127(B)
Junction Connector
8 B
7 B
G79(A),G80(B),
G140(C),G141(D)
Junction
Connector
11 B (*15)
11 D (*16)
7 A (*15)
7 C (*16)
G
V
W(*20 *2,*20 *4,*21 *23)
BR(*20 *2,*20 *4,*21 *23)
Y(*20 *1,*20 *3,*21 *22)
BR(*20 *1,*20 *3,*21 *22)
LG
R
4
G106
Junction
Connector
G5
4
G104
Junction
Connector
G3

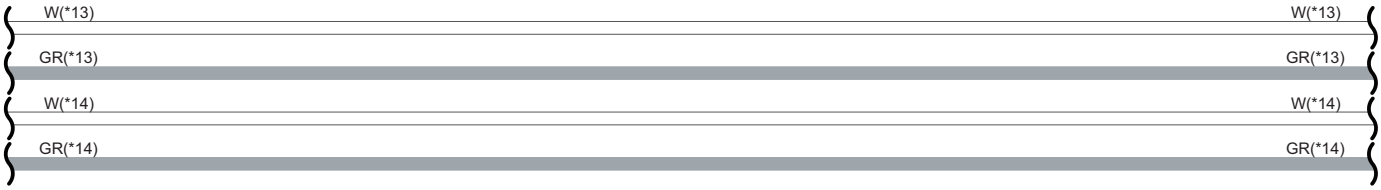

W(*13)
W(*13)
GR(*13)
GR(*13)
W(*14)
W(*14)
GR(*14)
GR(*14)
G97(A),G134(B)
Junction Connector
12 A --- 1 A (LHD)
12 B --- 1 B (RHD)
15 A --- 4 A ---------- 17 A --- 6 A (LHD)
15 B --- 4 B ---------- 13 B --- 2 B (RHD)
R(LHD *21 *1 *23,LHD *21 *3 *23)
LG(*12,RHD *21 *1 *22,RHD *21 *3 *22)
W(*12,*1 *21,*3 *21)
Y
(*20 *1,*20 *3,*21 *22)
BR
(*20 *1,*20 *3,*21 *22)
W (*11)
R (*11)
LG (*11)
W (*11)
15 GA6
14 GA6
37 GA6
36 GA6
20 9 10 21
A72 Junction Connector
10 21
G98 Junction Connector
9 20
BR (*20 *1, *20 *3, *21 *22)
GR (*20 *1, *20 *3, *21 *22)
31 F -- 32 F (*1)
33 L -- 34 L (*2)
36 R -- 35 R (*3)
34 F -- 33 F (*1)
36 L -- 35 L (*2 *21)
20 Q -- 21 Q (*3)
CANL CANH CANP CANN
AC1 ACT
25 F -- 27 F (*1)
19 L -- 21 L (*2)
10 R -- 13 R (*3)
2 V --- 8 V (*4)
C34(A),C35(B),C36(C),
C61(G),C62(H),C90(M),
C92(O),C101(S),C102(T),
G56(F),G57(Q),G58(R),
G60(L),G62(V)
ECM
LG
R
W(*20 *2,*20 *4,*21 *23)
BR(*20 *2,*20 *4,*21 *23)
Y(*20 *1,*20 *3,*21 *22)
BR(*20 *1,*20 *3,*21 *22)
LG
R

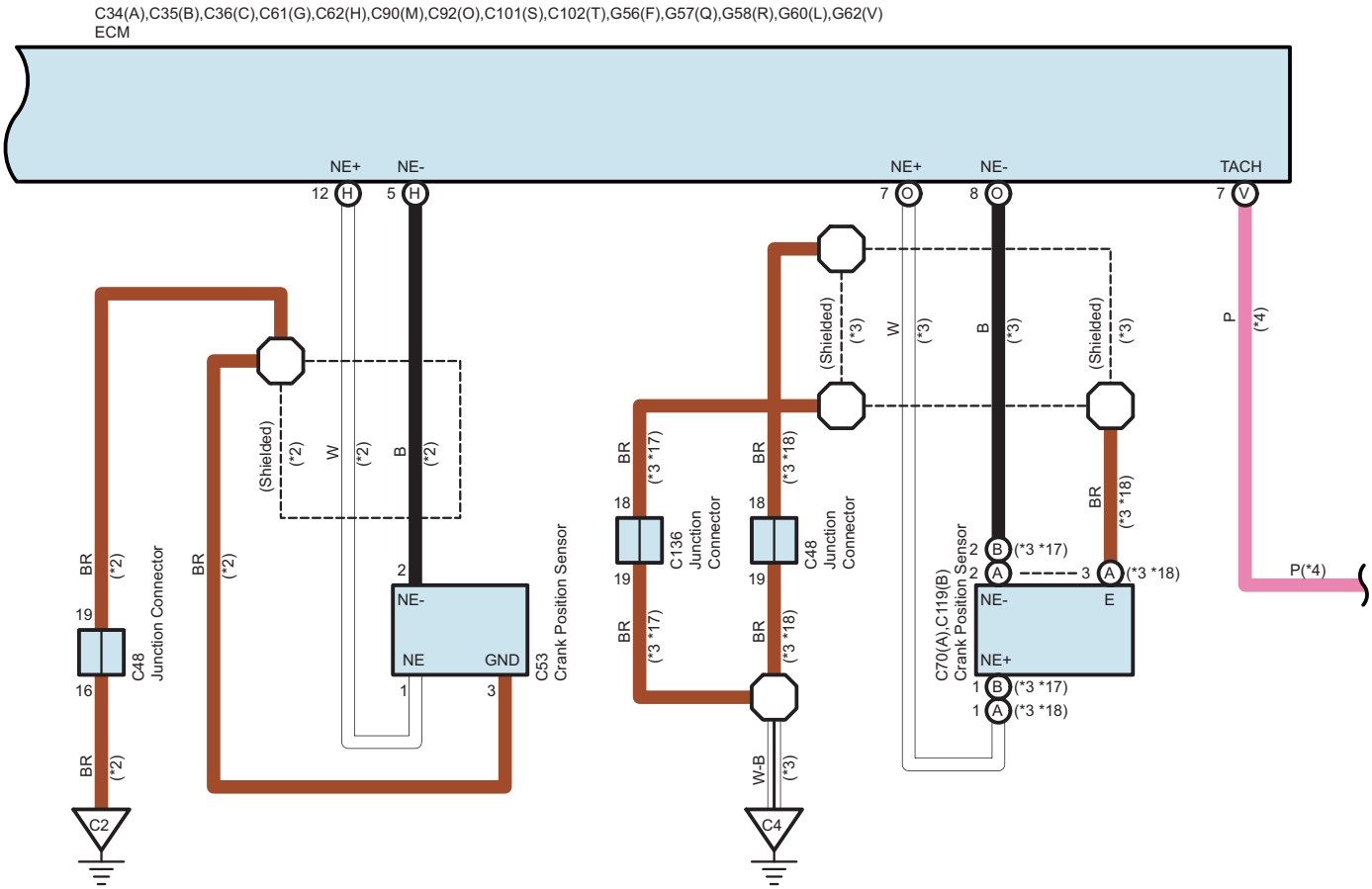


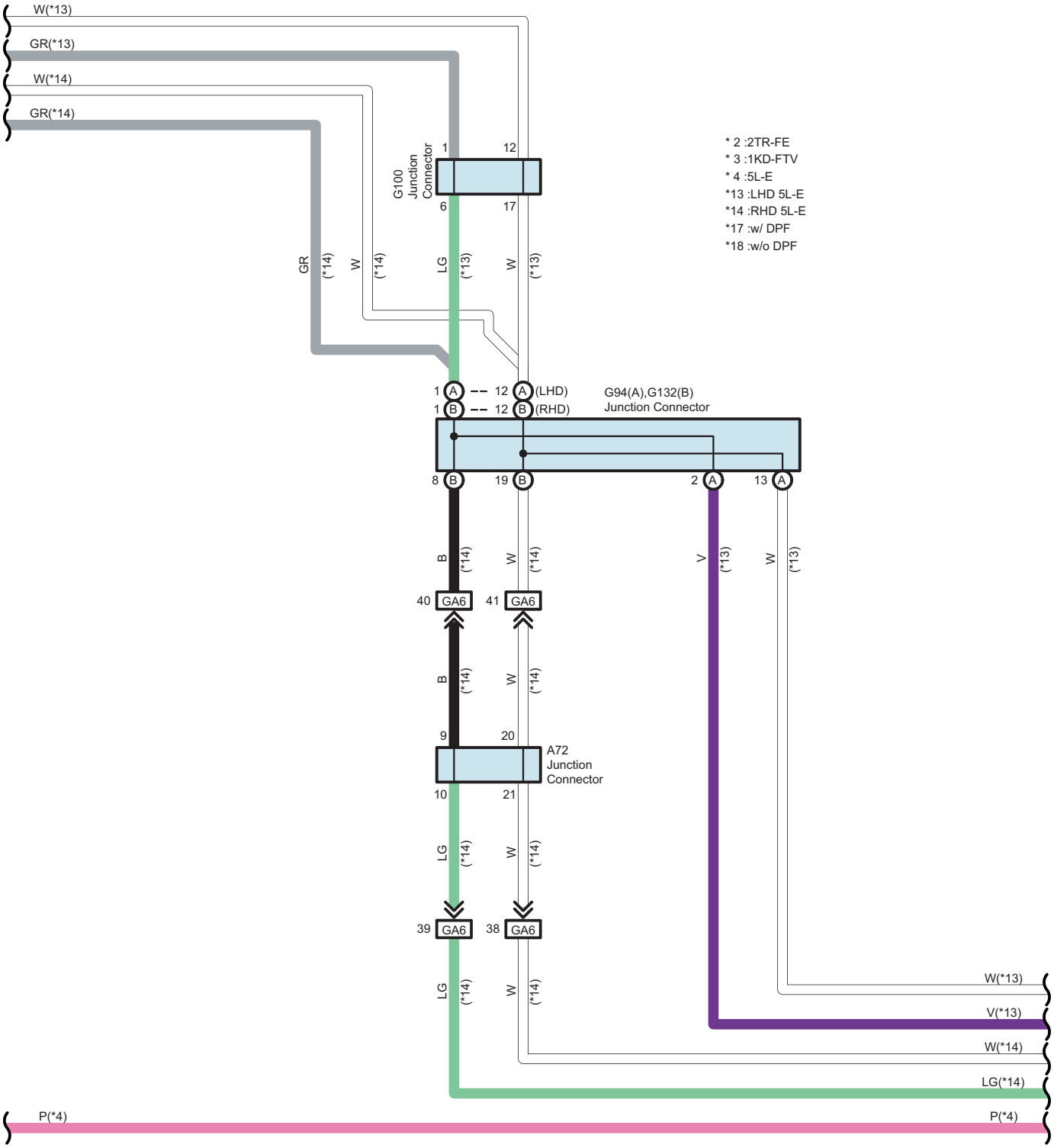
* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
*11 :LHD 2TR-FE
*12 :RHD 2TR-FE
*13 :LHD 5L-E
*14 :RHD 5L-E
*20 :Before Aug. 2013 Production
*21 :From Aug. 2013 Production
*22 :w/ Entry & Start System
*23 :w/o Entry & Start System

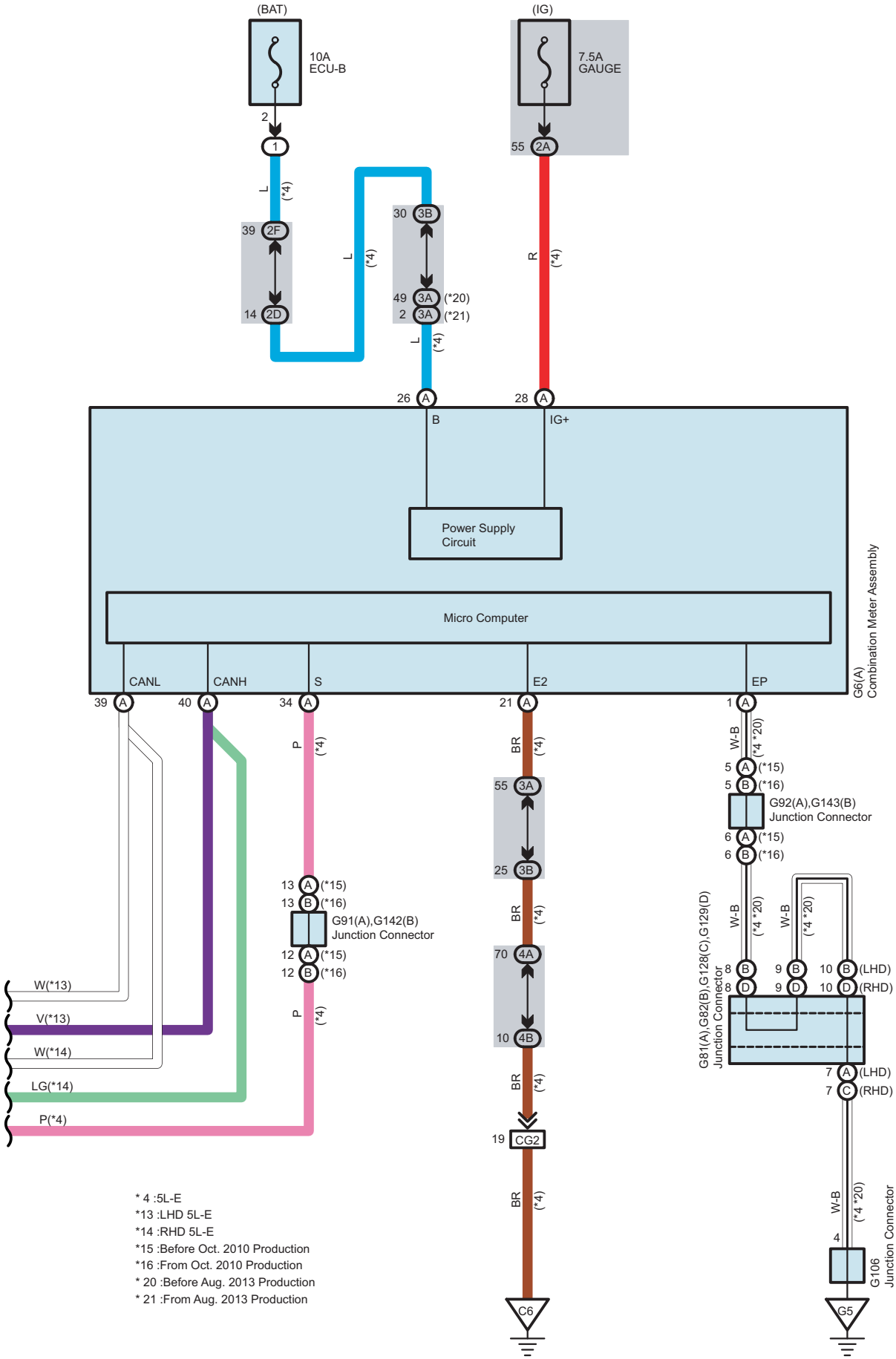
C34(A),C35(B),C36(C),C61(G),C62(H),C90(M),C92(O),C101(S),C102(T),G56(F),G57(Q),G58(R),G60(L),G62(V)
ECM




W(*13)
W(*13)
GR(*13)
GR(*13)
W(*14)
W(*14)
GR(*14)
GR(*14)


C34(A),C35(B),C36(C),C61(G),C62(H),C90(M),C92(O),C101(S),C102(T),G56(F),G57(Q),G58(R),G60(L),G62(V)
ECM
NE+
NE-
12 H
5 H
7 O
8 O
7 V
TACH
(Shielded)
(*2)
W
B
(*3)
(*4)
P
P(*4)
BR
(*3 *17)
(*3 *18)
18
19
C136 Junction Connector
C48 Junction Connector
C48 Junction Connector
16
C2
C4
W-B
2
1
3
NE-
NE
GND
C53 Crank Position Sensor
C70(A),C119(B) Crank Position Sensor
B
A
E
NE+


W(*13)
GR(*13)
W(*14)
GR(*14)
G100 Junction Connector
1
12
6
17
GR (*14)
W (*14)
LG (*13)
W (*13)
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
*13 :LHD 5L-E
*14 :RHD 5L-E
*17 :w/ DPF
*18 :w/o DPF
1 A -- 12 A (LHD)
1 B -- 12 B (RHD)
G94(A),G132(B) Junction Connector
8 B
19 B
2 A
13 A
B (*14)
W (*14)
V (*13)
W (*13)
40 GA6
41 GA6
B (*14)
W (*14)
9
20
A72 Junction Connector
10
21
LG (*14)
W (*14)
39 GA6
38 GA6
LG (*14)
W (*14)
W(*13)
V(*13)
W(*14)
LG(*14)
P(*4)
P(*4)



* 4 :5L-E
*13 :LHD 5L-E
*14 :RHD 5L-E
*15 :Before Oct. 2010 Production
*16 :From Oct. 2010 Production
* 20 :Before Aug. 2013 Production
* 21 :From Aug. 2013 Production

A1
Black



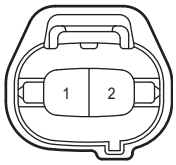
90980-11070

A2
Black



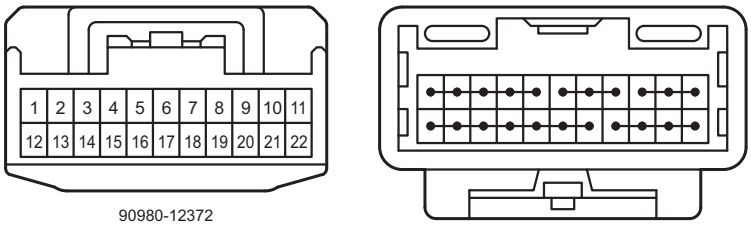
90980-10845

A3
Gray



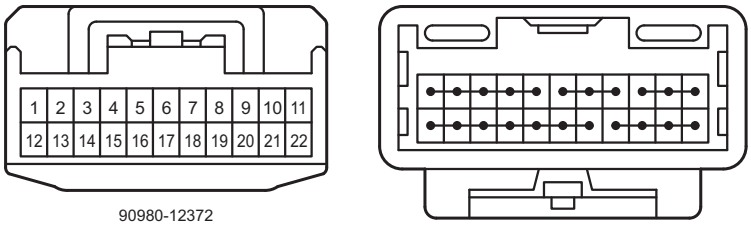
90980-11149

A64
White



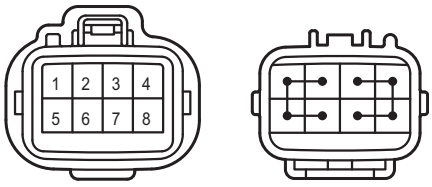
90980-12372

A65
White



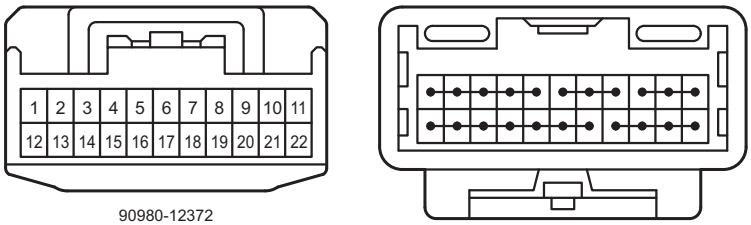
90980-12372

A68
Dark Gray



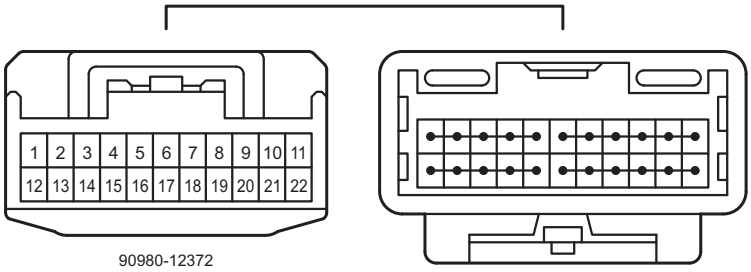
90980-10891

A69
White



90980-12372

A72
White



90980-12372

A84
Gray



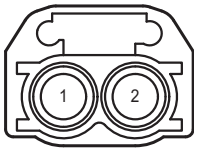
90980-10637

A88
Gray



90980-11608

C14
Black



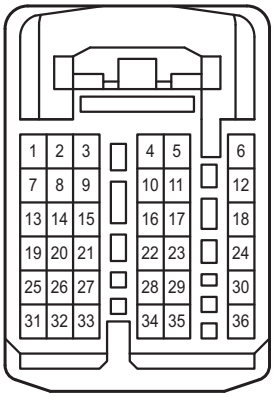
90980-12028

C24
Black (1GR-FE 2TR-FE 1KD-FTV ,1GD-FTV Before Jun. 2018 Production ,1GD-FTV w/o Urea SCR From Jun. 2018 Production) / White (1GD-FTV w/ Urea SCR From Jun. 2018 Production)



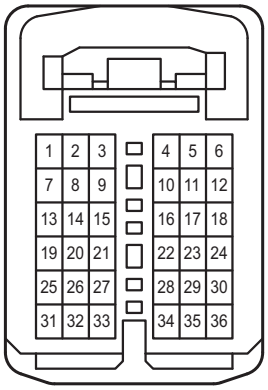
90980-10735

C34
White



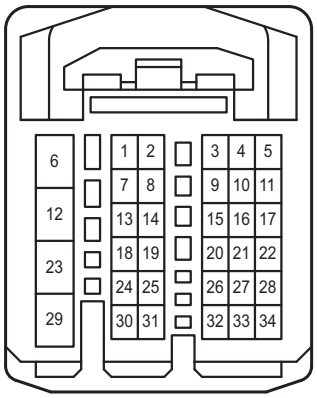
82824-26130

C35
White



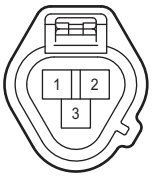
82824-26140

C36
White



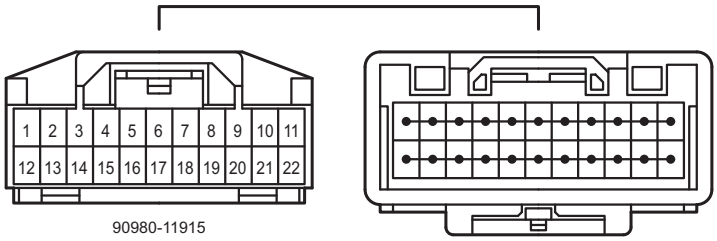
82824-26150

C39
Gray



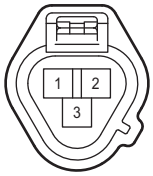
90980-11016

C48
White



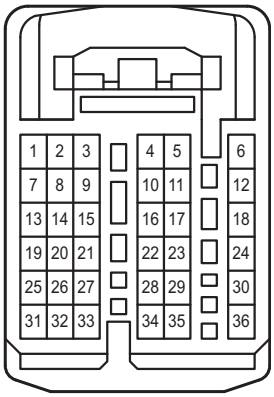
90980-11915

C53
Dark Gray (Before Jun. 2015 Production) / Gray (From Jun. 2015 Production)



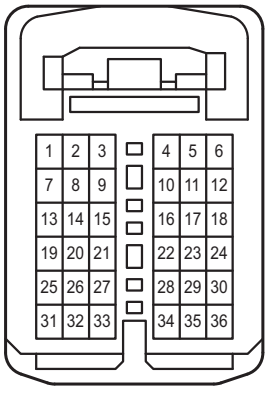
90980-11016

C61
White



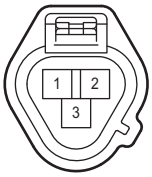
82824-26130

C62
White



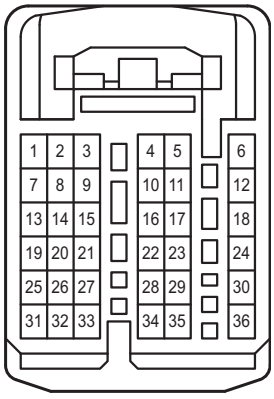
82824-26140

C70
Gray



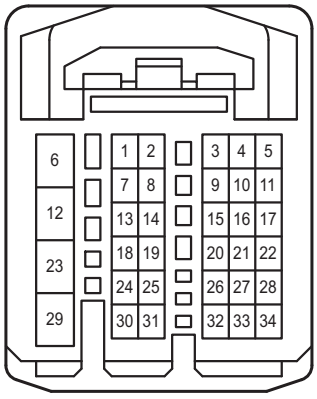
90980-11016

C90
White



82824-26130

C92
White



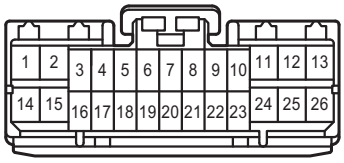
82824-26150

C94
Gray



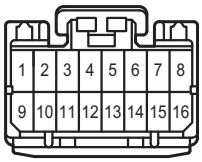
90980-11271

C101
White



90980-11390

C102
White



90980-11391

C109
Black



90980-11162

C111
Black



90980-10737

C113
Gray



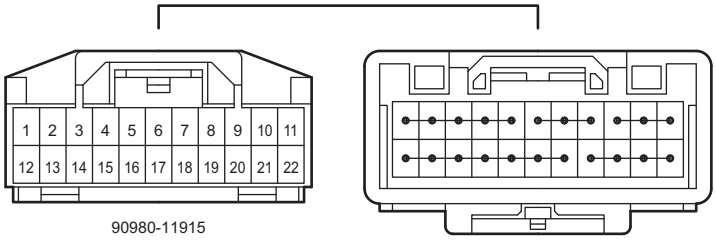
90980-11271

C119
Dark Gray



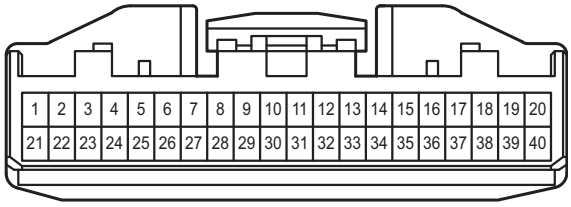
90980-10949

C136
White



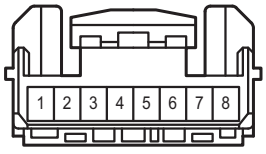
90980-11915

G6
Black



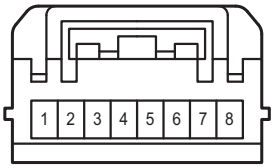
90980-12557

G20
Black



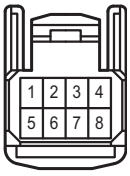
90980-12558

G22
Black



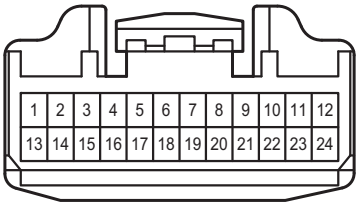
90980-12550

G23
Black



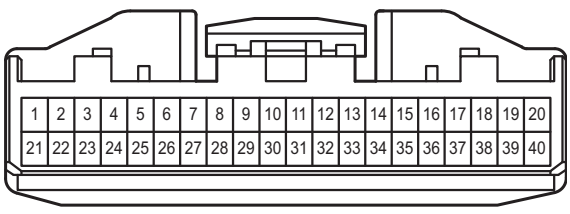
90980-12551

G24
White



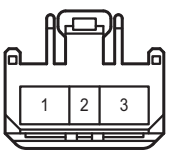
90980-12554

G25
White



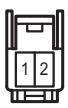
90980-12557

G26
Black



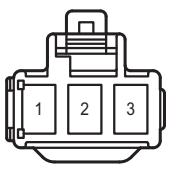
90980-11667

G27
Black



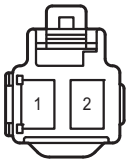
90980-11918

G28
White



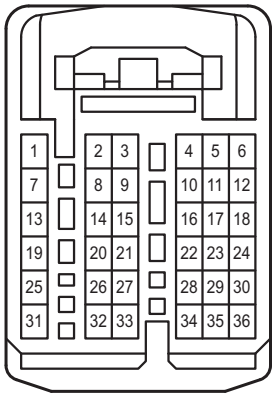
90980-10956

G29
White



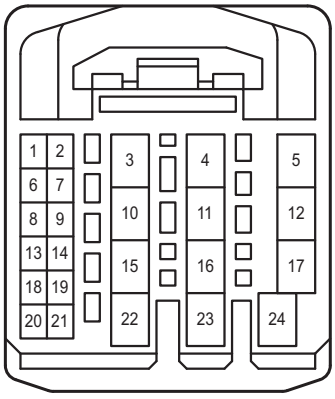
90980-10903

G56
White



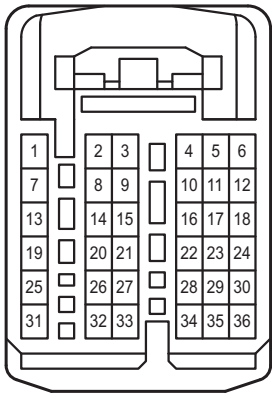
82824-26120

G57
White



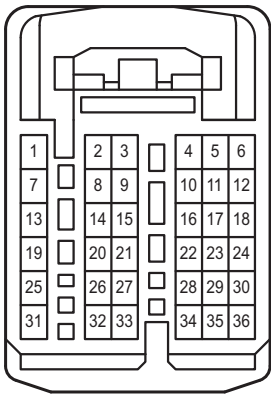
82824-26110

G58
White



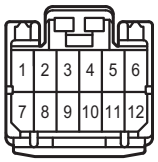
82824-26120

G60
White



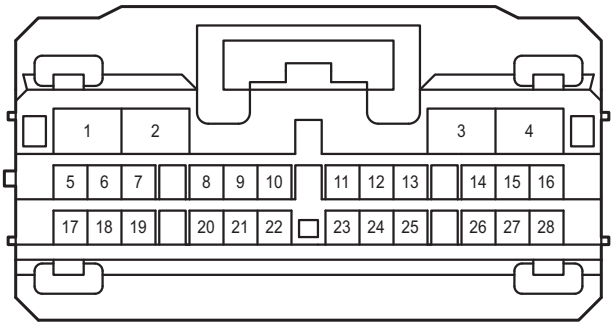
82824-26120

G62
White



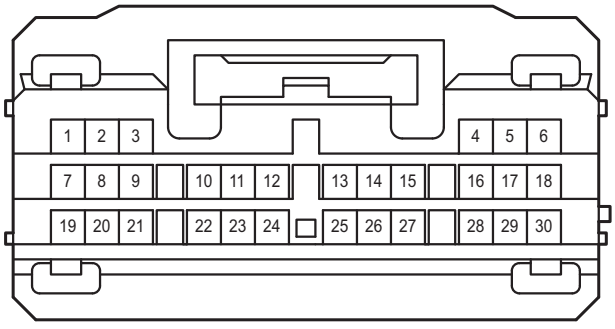
90980-11408

G63
White



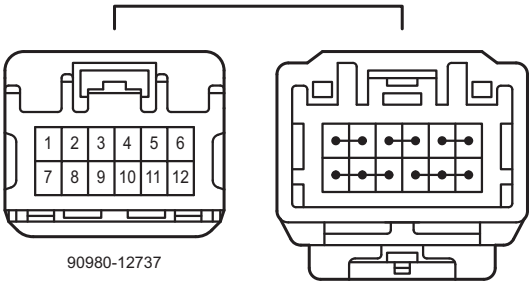
90980-12793

G64
White



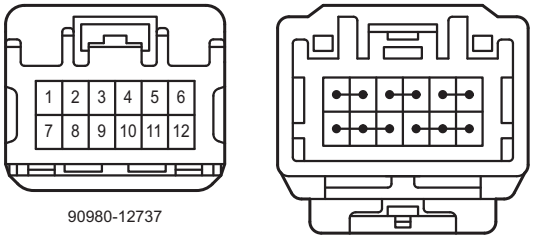
90980-12753

G79
White



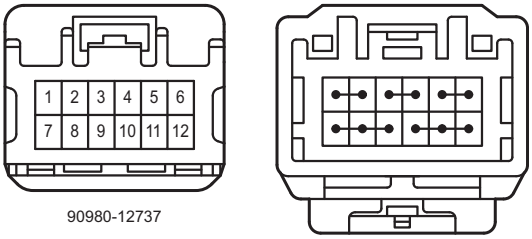
90980-12737

G80
White



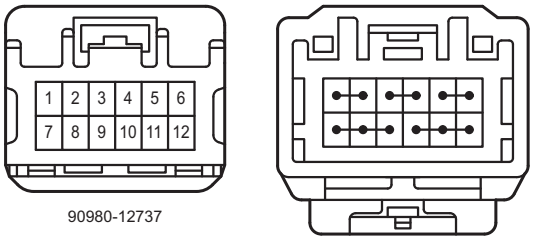
90980-12737

G81
White



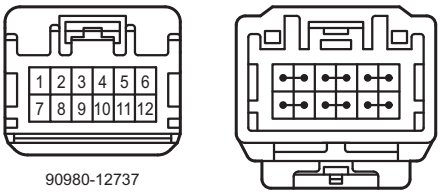
90980-12737

G82
White



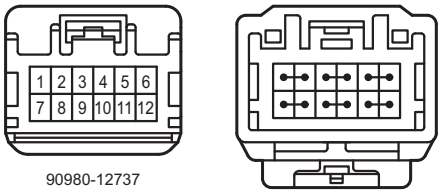
90980-12737

G87
Black



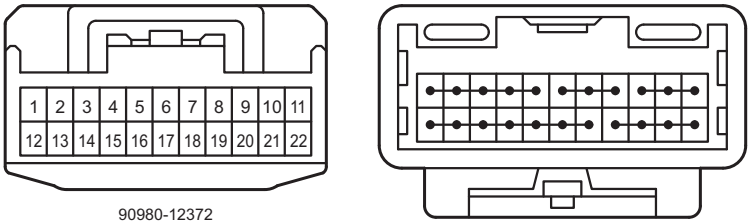
90980-12737

G88
Black



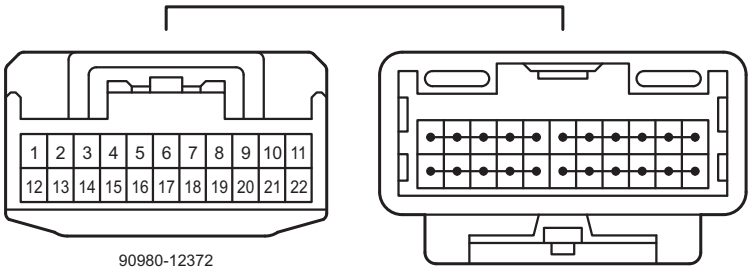
90980-12737

G91
Gray



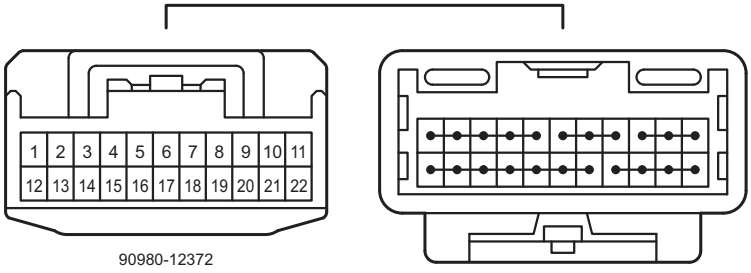
90980-12372

G92
White



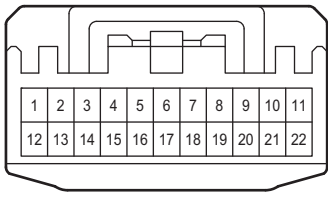
90980-12372

G93
Gray



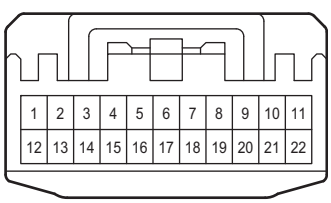
90980-12372

G94
White



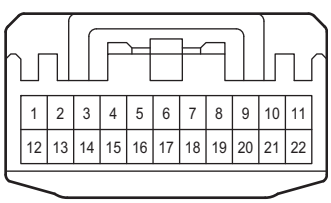
82824-30420

G97
White



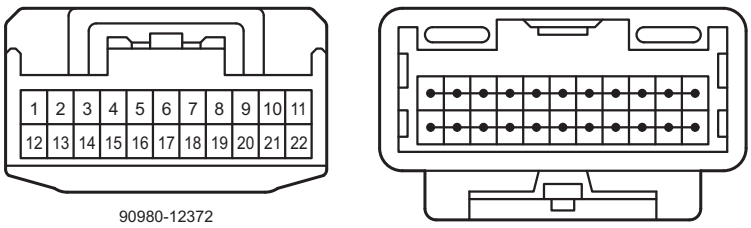
82824-30420

G98
White



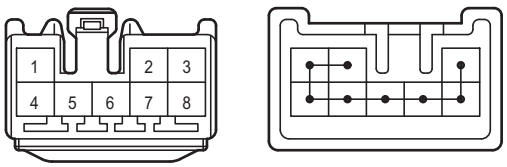
82824-30420

G100
Gray



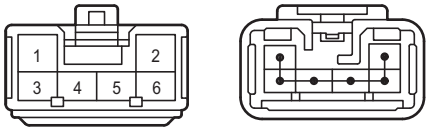
90980-12372

G104
White (Before Aug. 2017 Production) / Gray (From Aug. 2017 Production)



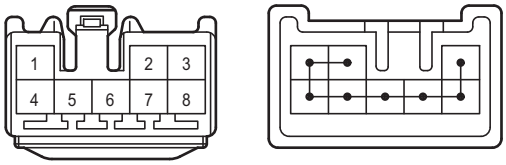
90980-11686

G105
White



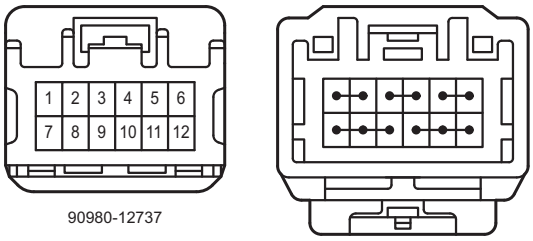
90980-10976

G106
White (Before Aug. 2017 Production) / Gray (From Aug. 2017 Production)



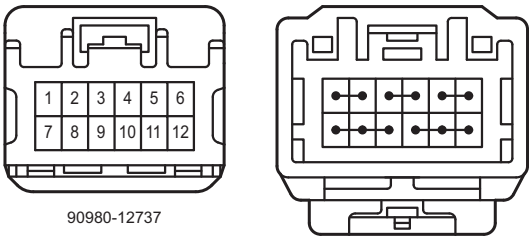
90980-11686

G127
Black



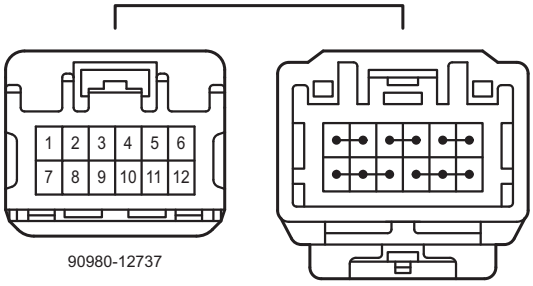
90980-12737

G128
Black



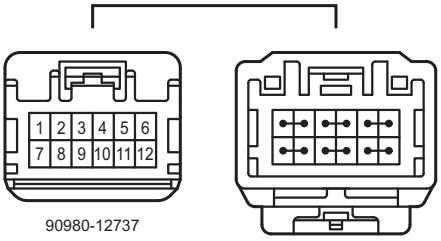
90980-12737

G129
Black



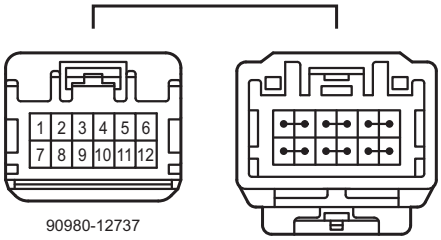
90980-12737

G130
White



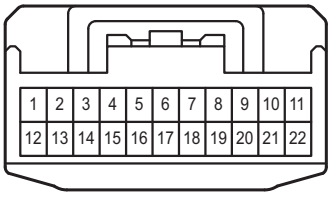
90980-12737

G131
White



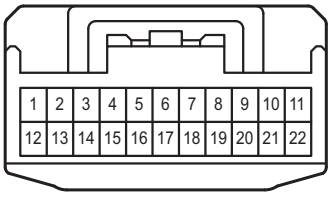
90980-12737

G132
Gray



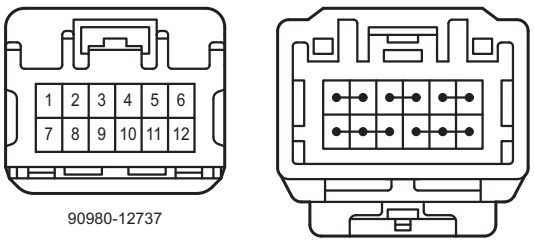
90980-12372

G134
Gray



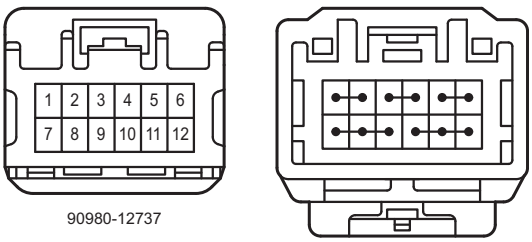
90980-12372

G140
Black



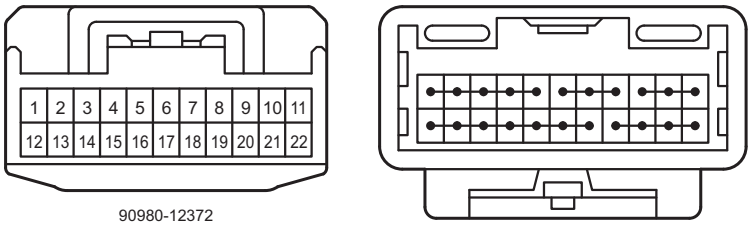
90980-12737

G141
Black



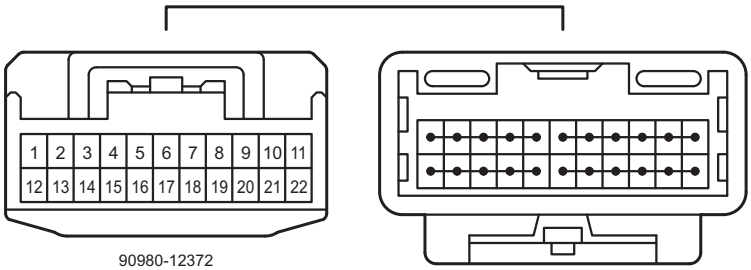
90980-12737

G142
White



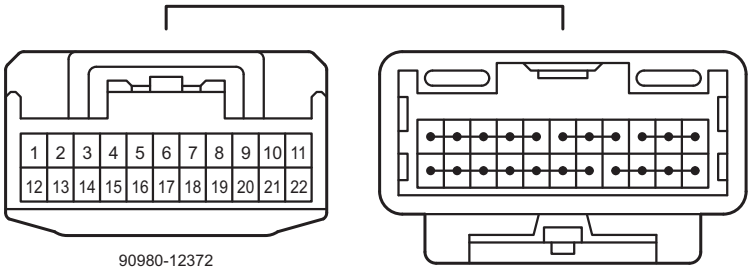
90980-12372

G143
Black



90980-12372

G144
White



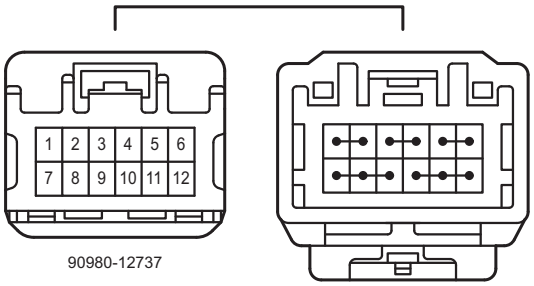
90980-12372

G149
Gray



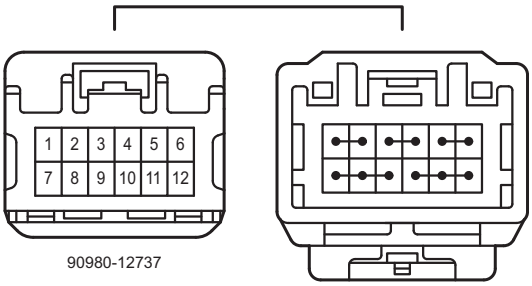
90980-10637

G164
Black



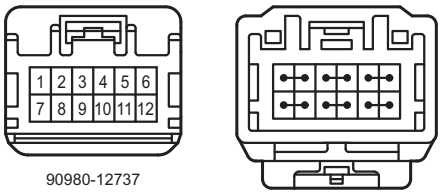
90980-12737

G165
Black



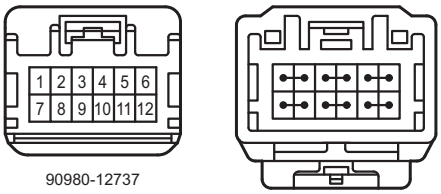
90980-12737

G166
Blue



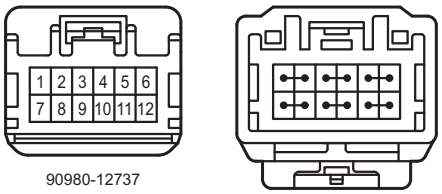
90980-12737

G167
Blue



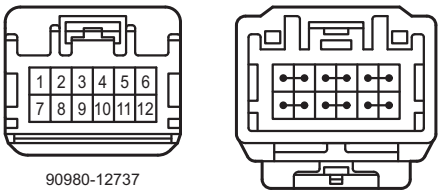
90980-12737

G168
Blue



90980-12737

G169
Blue



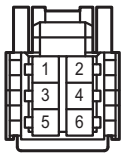
90980-12737

G174
Gray



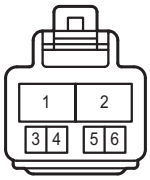
90980-11608

H19
Blue



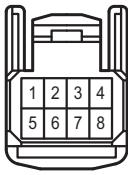
90980-12056

Q12
Black



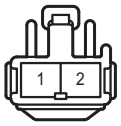
90980-10910

Q13
White



90980-12551

Q14
Black



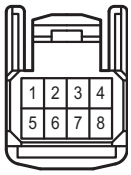
90980-10916

Q19
Black



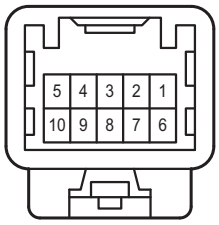
90980-11918

T3
Black



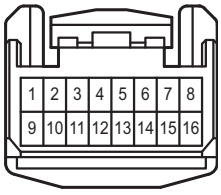
90980-12551

T6
White



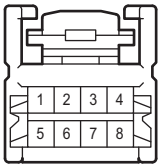
90980-12367

T7
Black



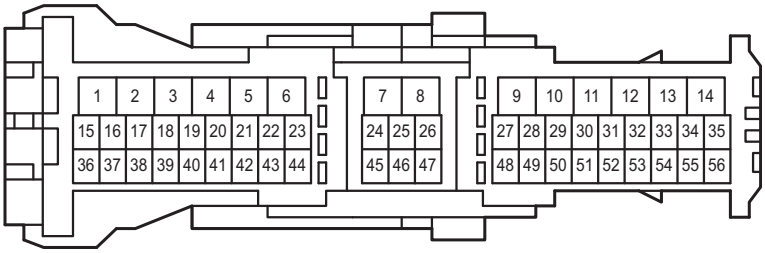
90980-12553

z1
White



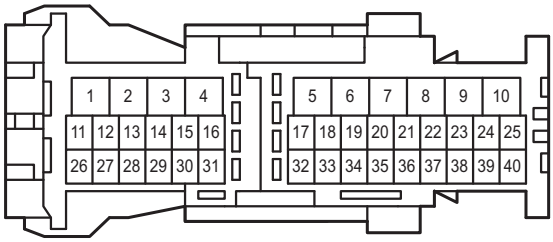
90980-12264

2A
White



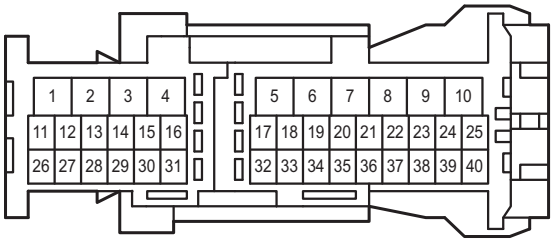
90980-12822

2D
White



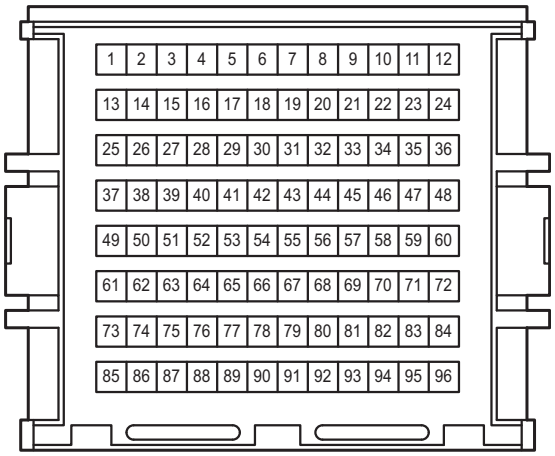
90980-12818

2F
White



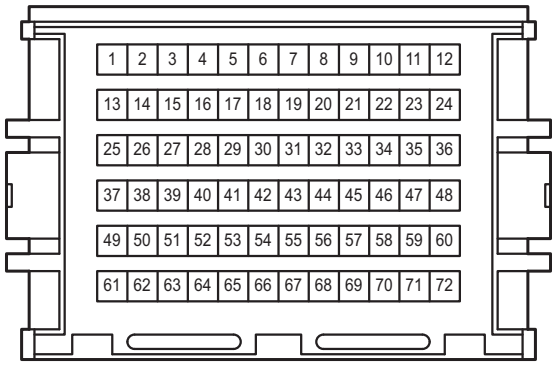
90980-12794

3A
White



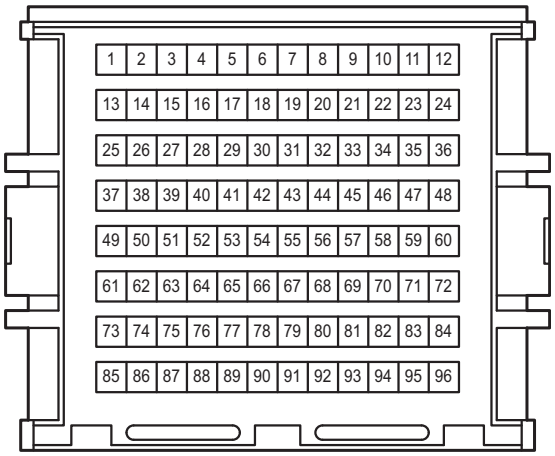
82890-12030

3B
White



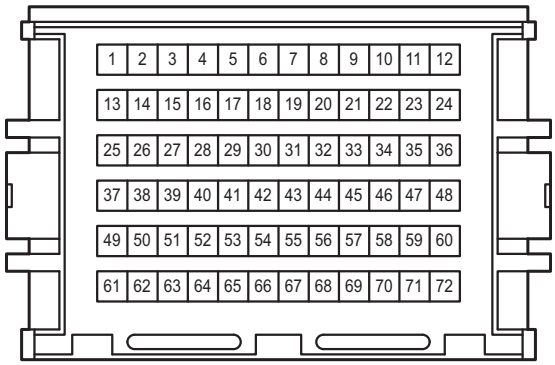
82890-42010

4A
White



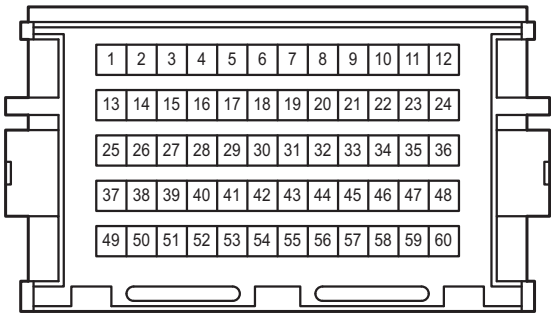
82890-12030

4B
White



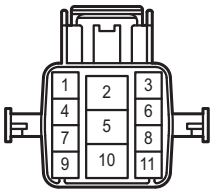
82890-42010

4C
White

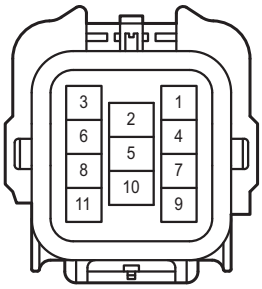


82890-12020

AC1
Black



90980-11612



90980-11609

AC2
Dark Gray

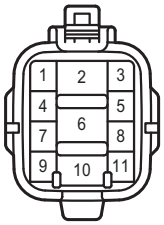


90980-11242

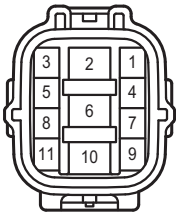


90980-11241

AC3
Black

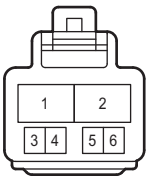


90980-11240

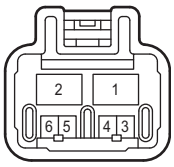


90980-11239

AQ1
White

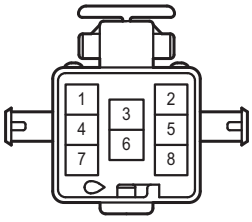


90980-10910

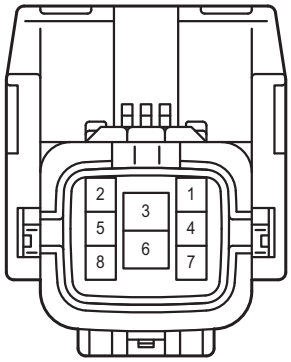


90980-10909

CA1
Black

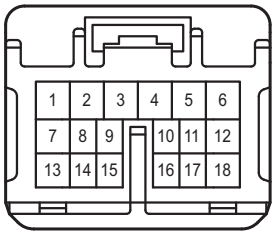


90980-11461

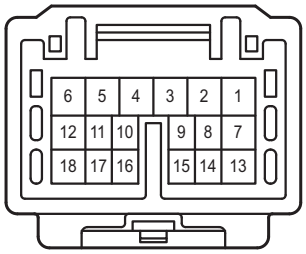


90980-11460

CG1
White

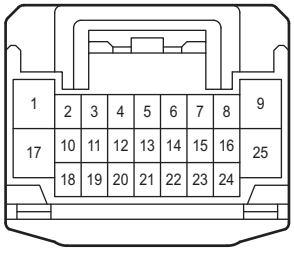


90980-12745

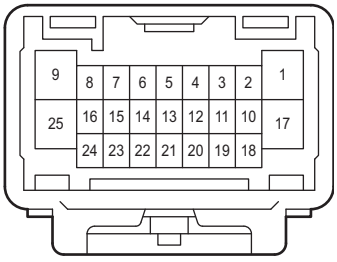


90980-12744

CG2
White

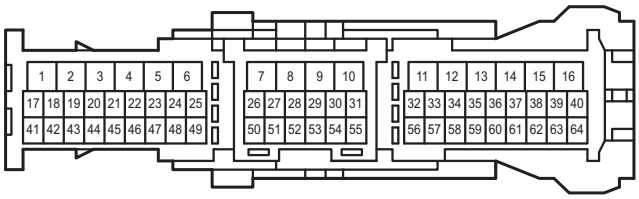


90980-12414

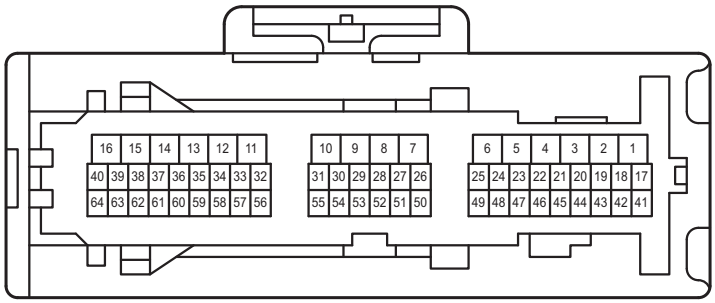


90980-12413

GA1
White

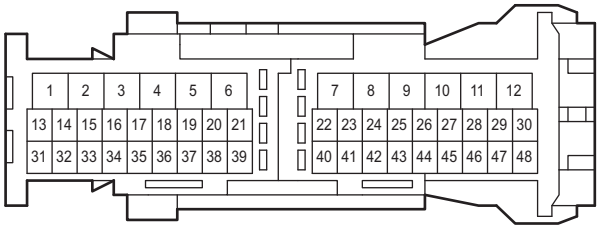


90980-12774

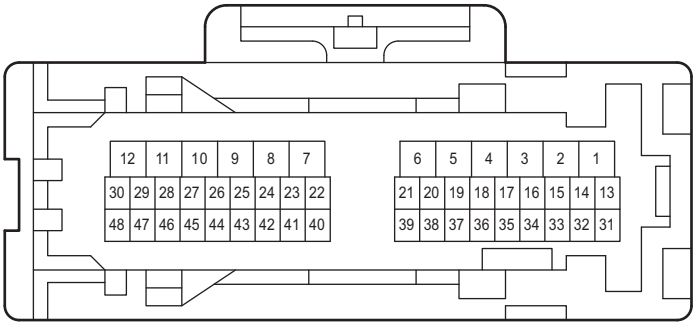


90980-12798

GA2
White

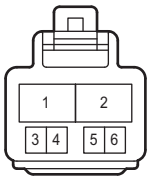


90980-12779

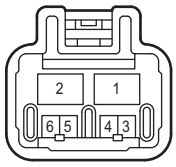


90980-12799

GA3
Black

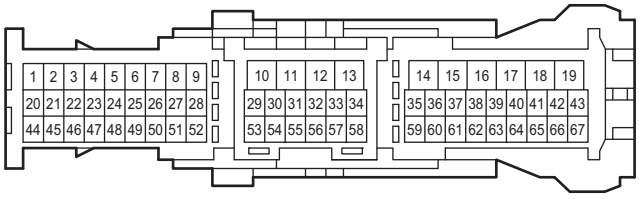


90980-10910

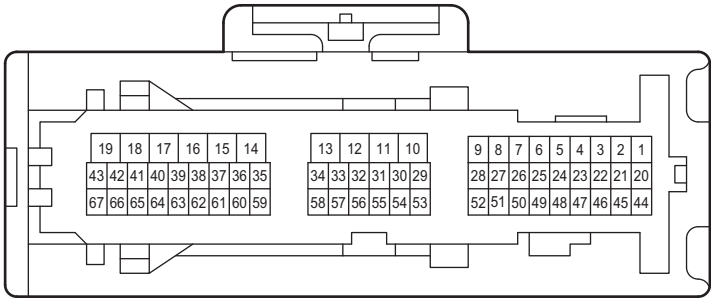


90980-10909

GA6
White

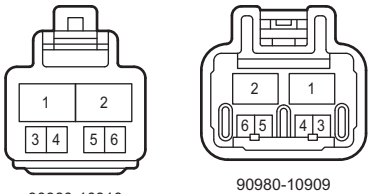


90980-12783



90980-12800

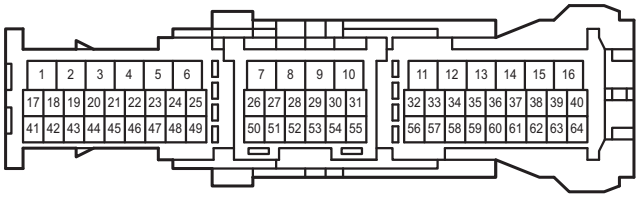
GA7
Black



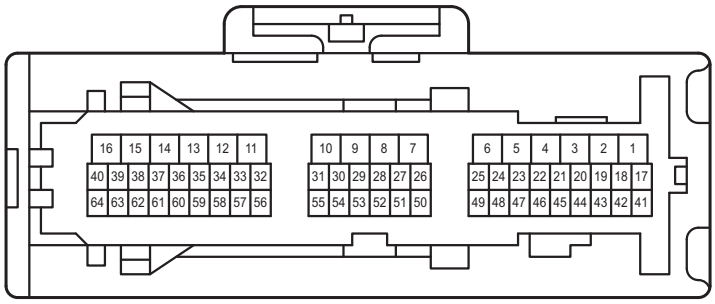
90980-10910

90980-10909

GH1
White

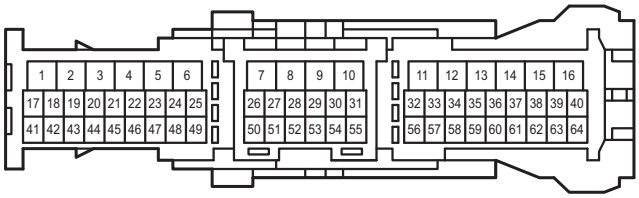


90980-12774

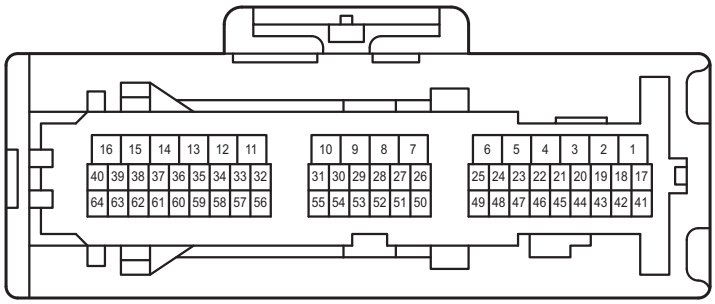


90980-12798

GQ1
White

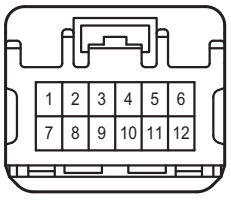


90980-12774

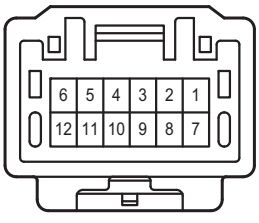


90980-12798

TG1
White

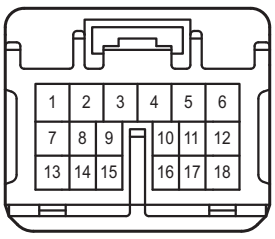


90980-12737

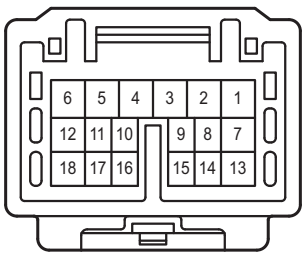


90980-12736

TG2
White



90980-12745



90980-12744