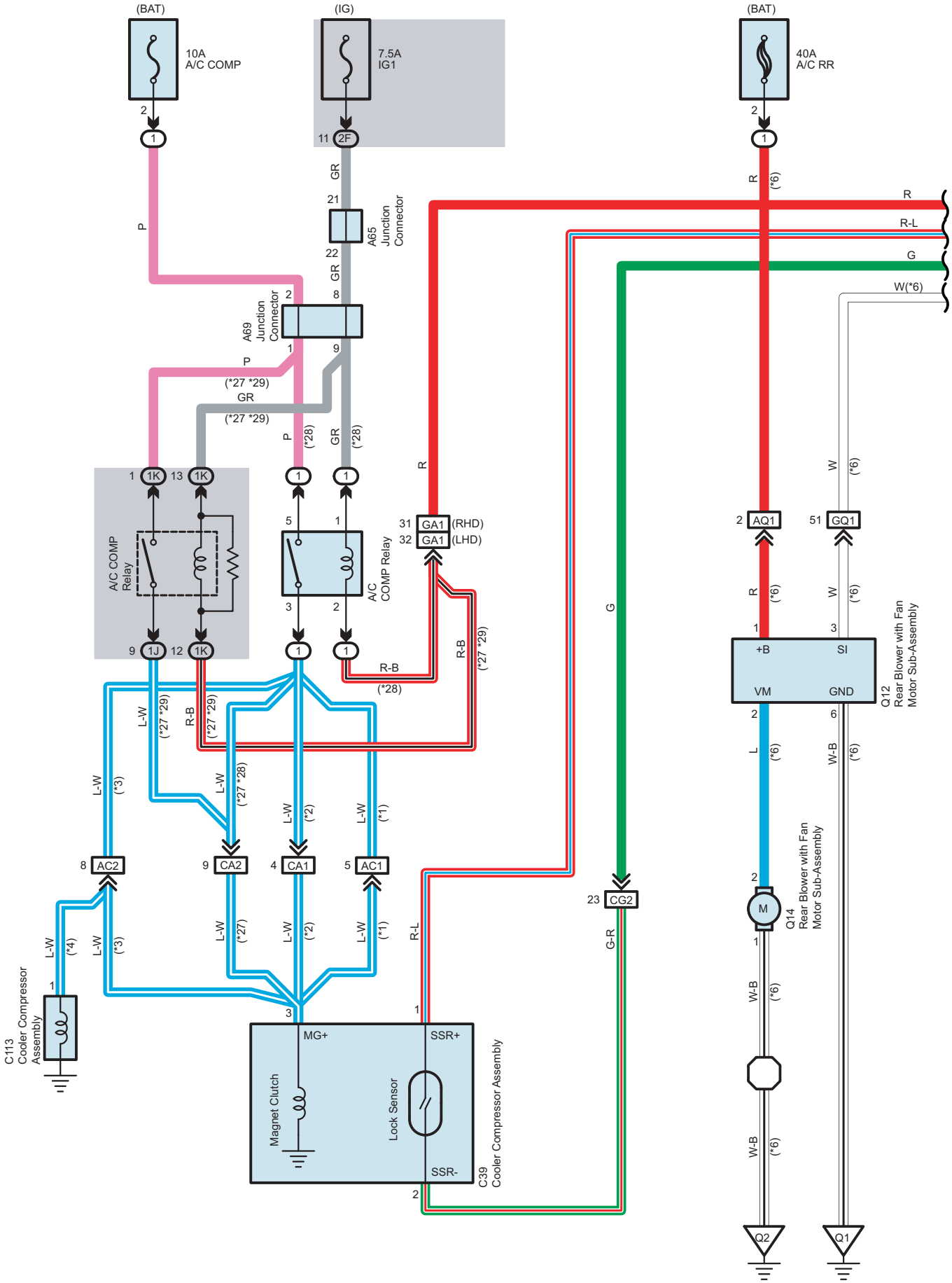
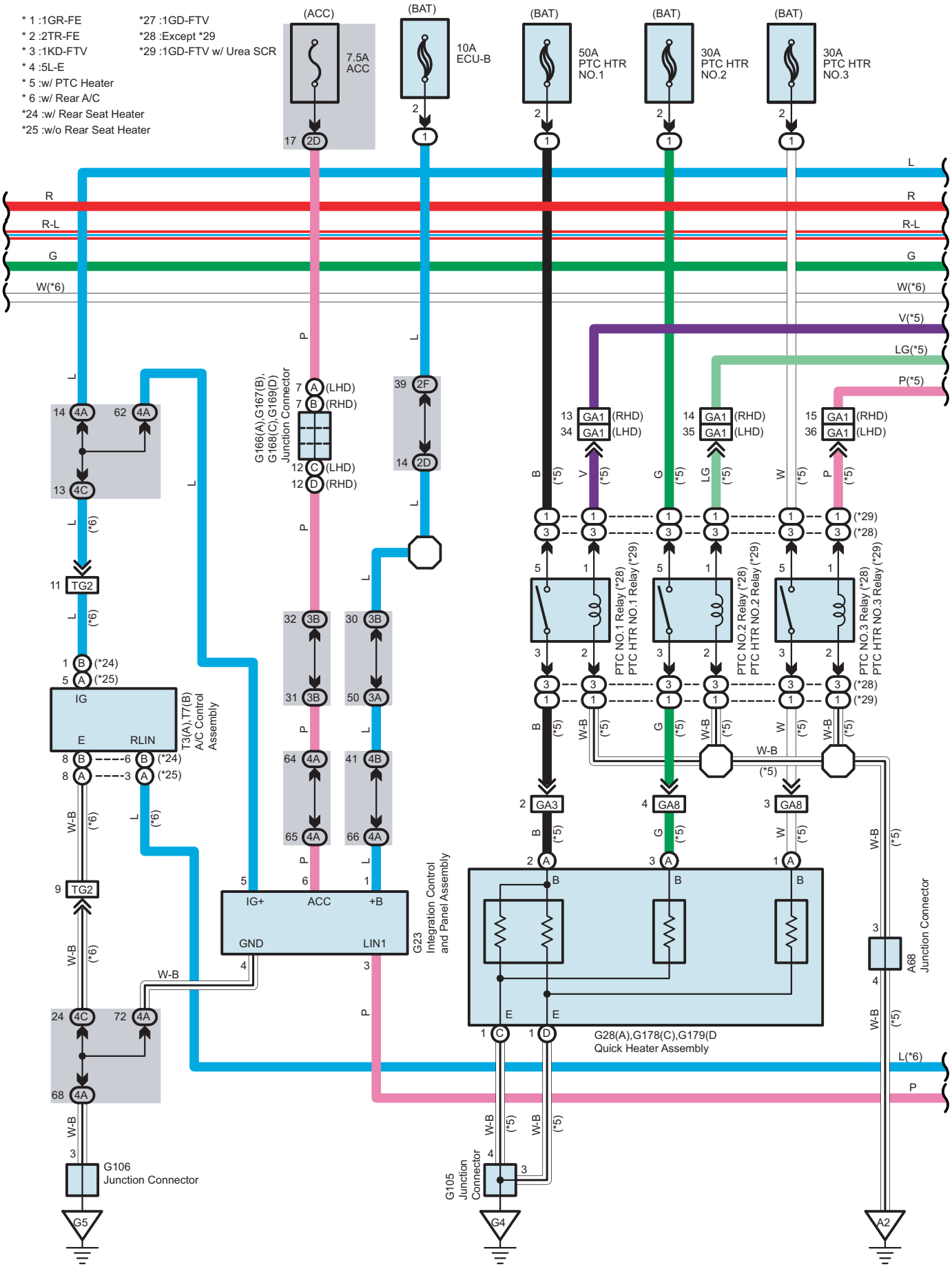
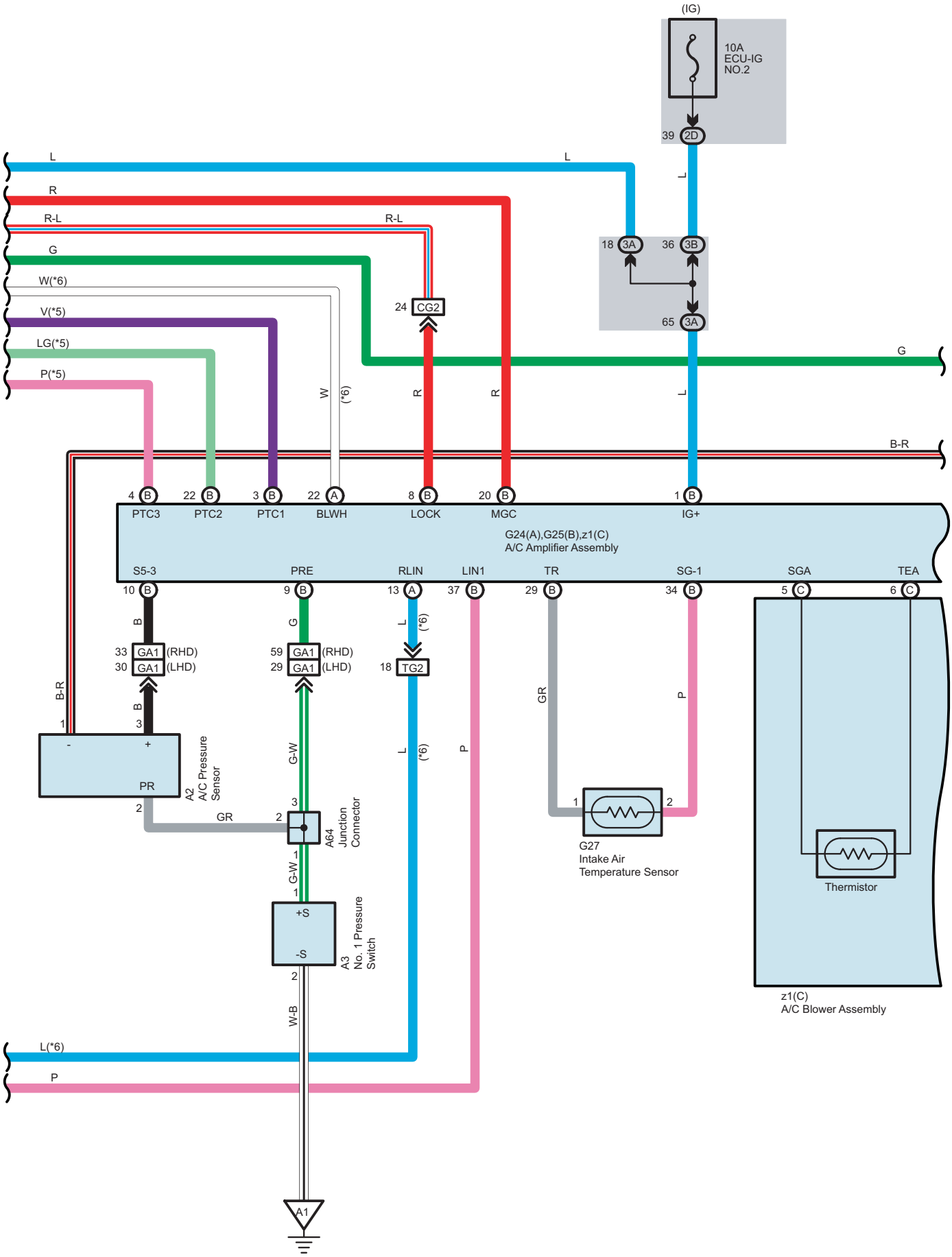
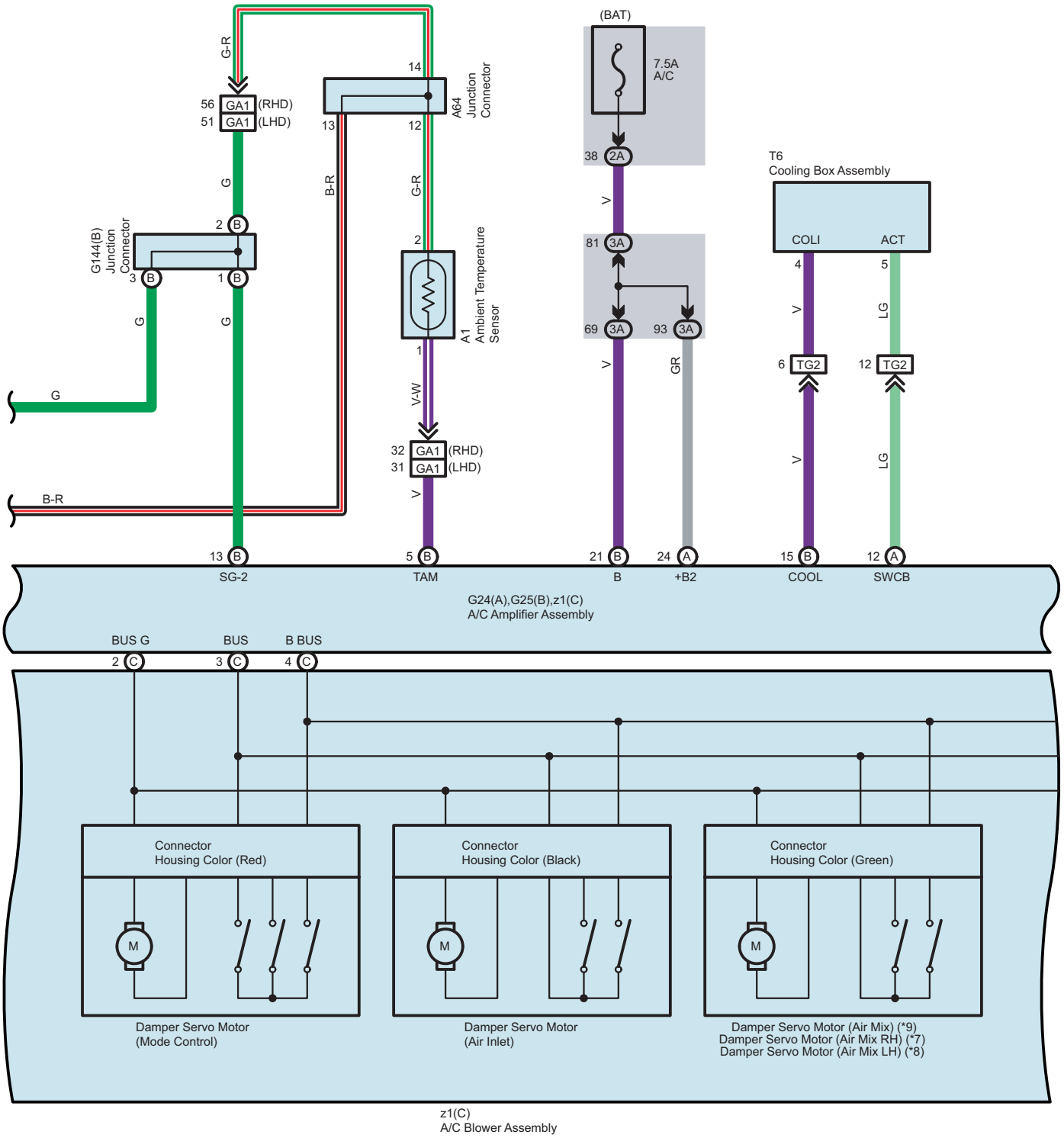
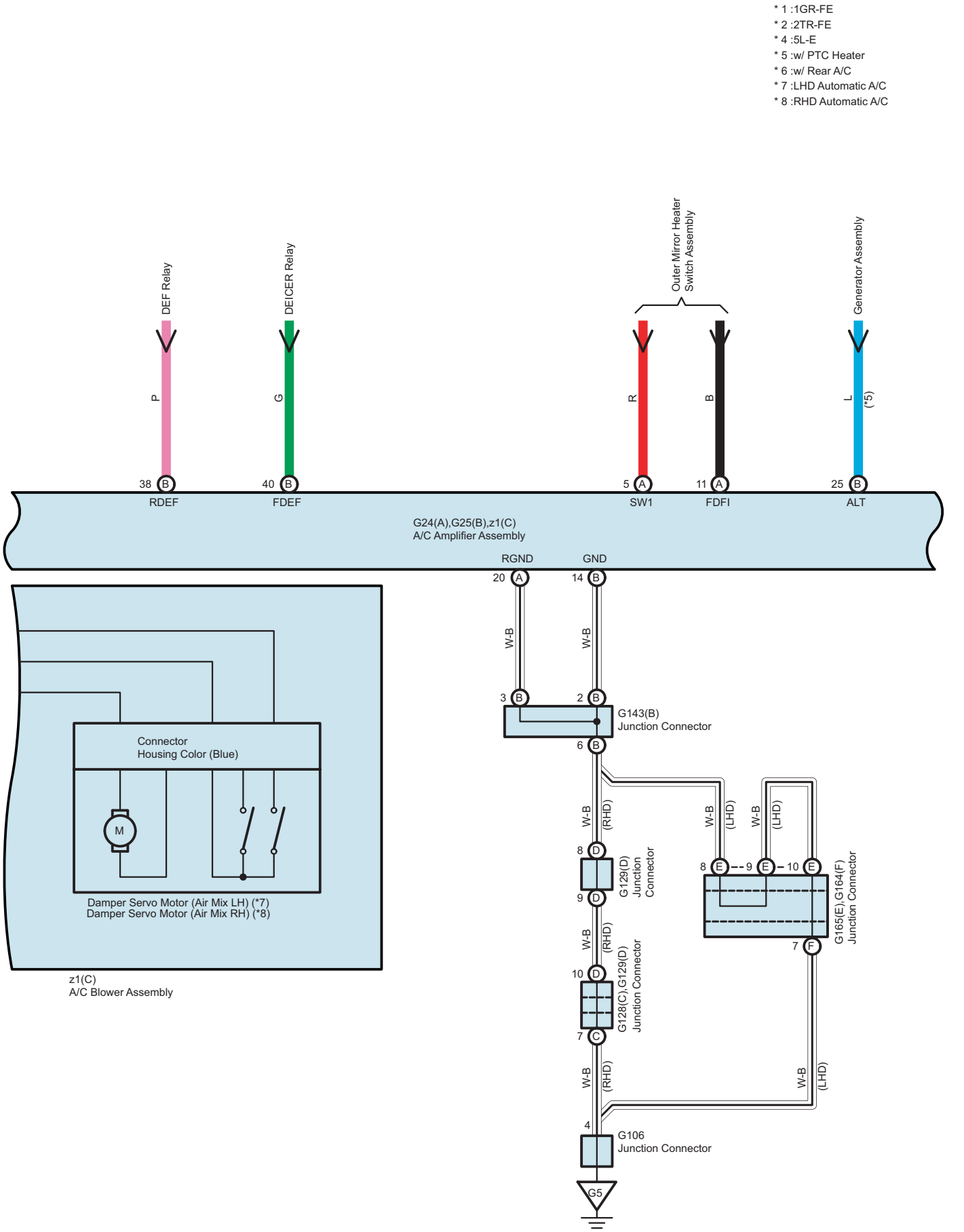

(BAT)
10A
A/C COMP
(IG)
7.5A
IG1
(BAT)
40A
A/C RR
A65
Junction
Connector
A69
Junction
Connector
A/C COMP
Relay
A/C
COMP Relay
(RHD)
(LHD)
R
R-L
G
W(*6)
P
GR
L-W
R-B
G-R
W
W-B
L
(*1)
(*2)
(*3)
(*4)
(*6)
(*27)
(*27 *28)
(*27 *29)
(*28)
(*27 *29)
AC2
CA2
CA1
AC1
CG2
AQ1
GQ1
+B
SI
VM
GND
Q12
Rear Blower with Fan
Motor Sub-Assembly
Q14
Rear Blower with Fan
Motor Sub-Assembly
C113
Cooler Compressor
Assembly
C39
Cooler Compressor Assembly
MG+
SSR+
SSR-
Magnet Clutch
Lock Sensor
Q2
Q1

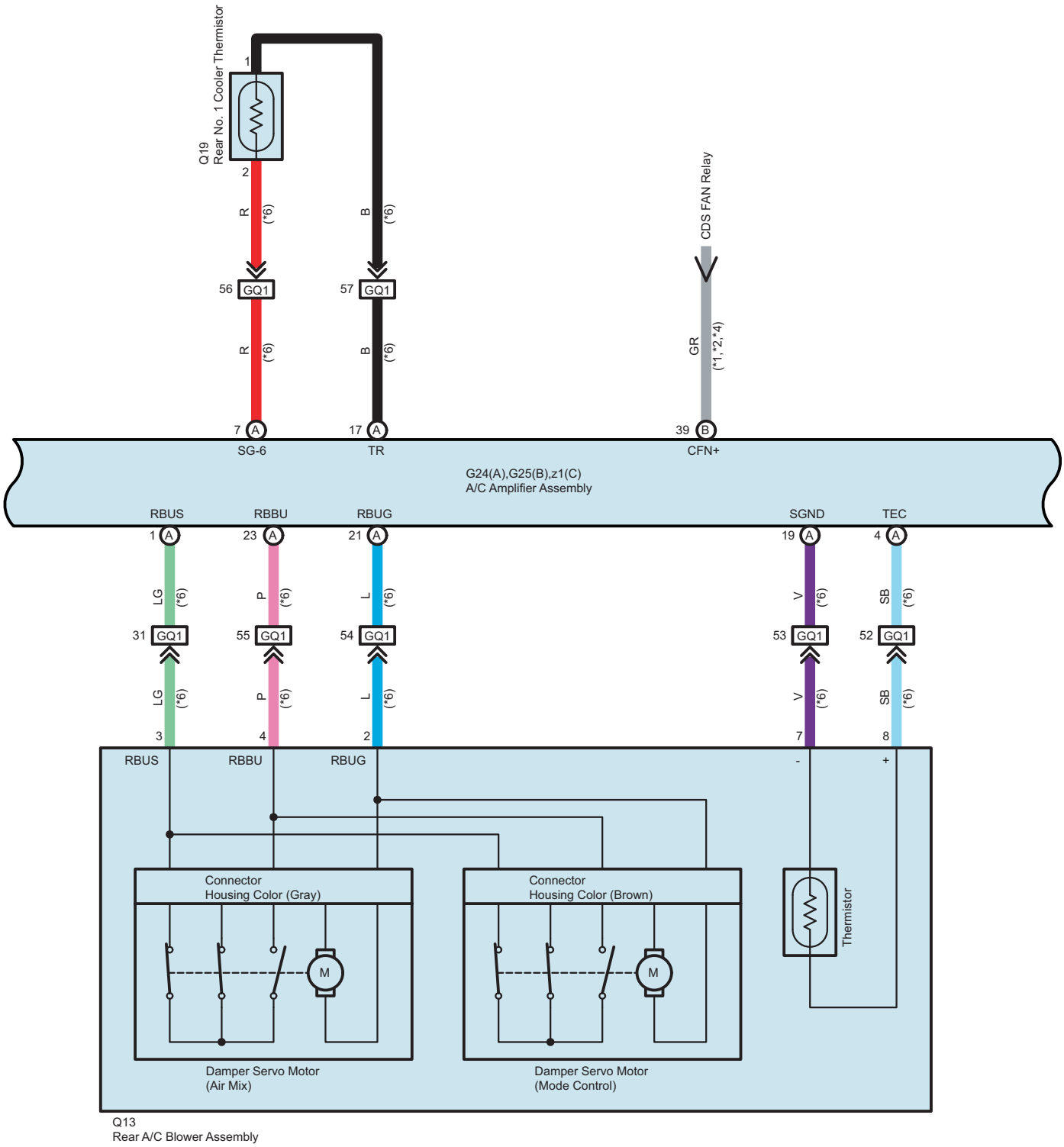

* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
* 5 :w/ PTC Heater
* 6 :w/ Rear A/C
*24 :w/ Rear Seat Heater
*25 :w/o Rear Seat Heater
*27 :1GD-FTV
*28 :Except *29
*29 :1GD-FTV w/ Urea SCR
(ACC)
7.5A ACC
(BAT)
10A ECU-B
(BAT)
50A PTC HTR NO.1
(BAT)
30A PTC HTR NO.2
(BAT)
30A PTC HTR NO.3
R
R-L
G
W(*6)
L
V(*5)
LG(*5)
P(*5)
G166(A),G167(B), G168(C),G169(D) Junction Connector
(LHD)
(RHD)
PTC NO.1 Relay (*28) PTC HTR NO.1 Relay (*29)
PTC NO.2 Relay (*28) PTC HTR NO.2 Relay (*29)
PTC NO.3 Relay (*28) PTC HTR NO.3 Relay (*29)
T3(A),T7(B) A/C Control Assembly
IG
E
RLIN
IG+
ACC
+B
GND
LIN1
G23 Integration Control and Panel Assembly
G28(A),G178(C),G179(D Quick Heater Assembly
A68 Junction Connector
G106 Junction Connector
G105 Junction Connector
G5
G4
A2
W-B
(*5)
(*6)
(*24)
(*25)
(*28)
(*29)

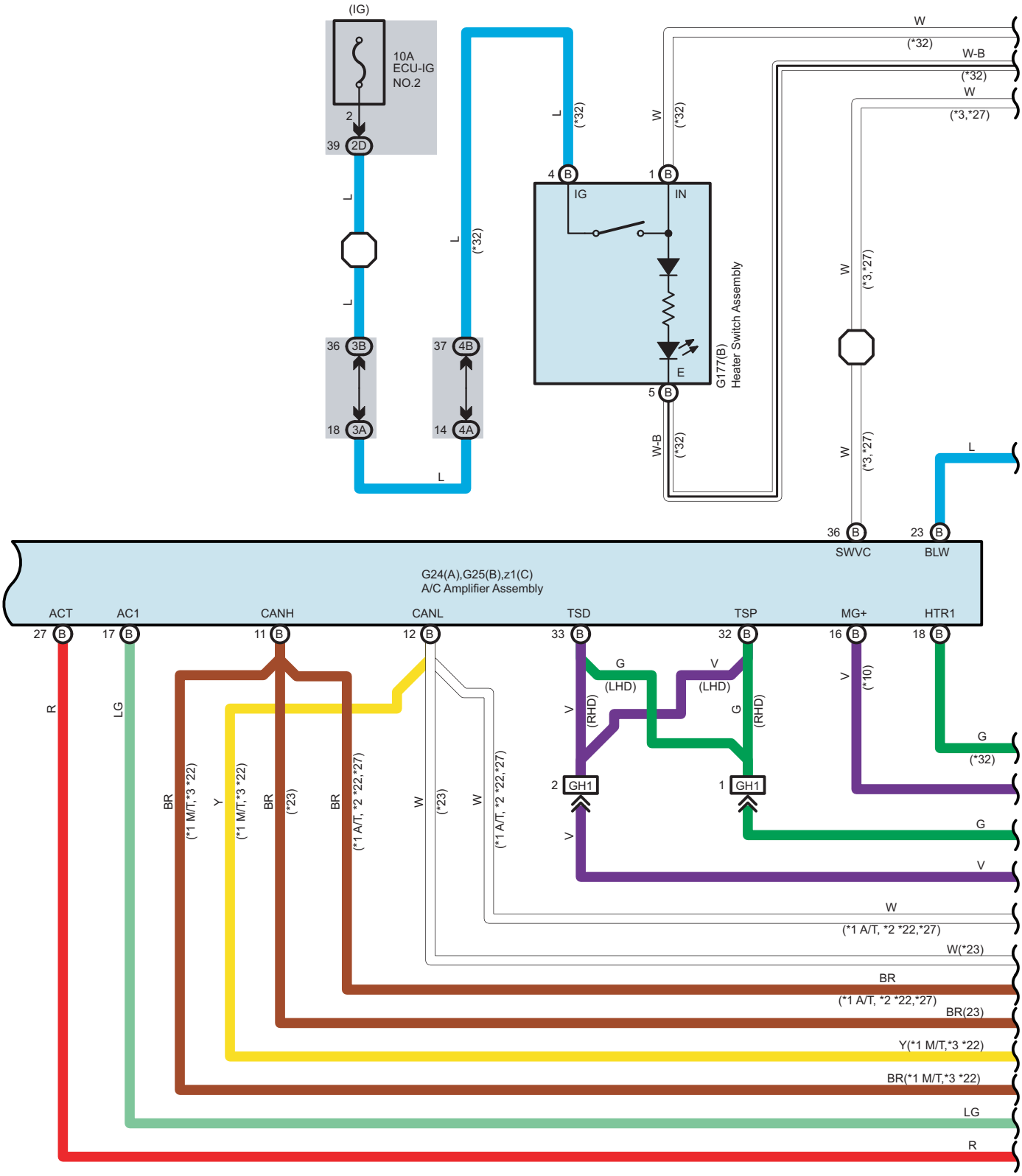

(IG)
10A
ECU-IG
NO.2
39 2D
L
L
L
R
R-L
R-L
G
W(*6)
V(*5)
LG(*5)
P(*5)
18 3A
36 3B
65 3A
24 CG2
G
B-R
W
(*6)
R
R
L
4 B PTC3
22 B PTC2
3 B PTC1
22 A BLWH
8 B LOCK
20 B MGC
1 B IG+
G24(A),G25(B),z1(C)
A/C Amplifier Assembly
S5-3
PRE
RLIN
LIN1
TR
SG-1
SGA
TEA
10 B
9 B
13 A
37 B
29 B
34 B
5 C
6 C
B
G
L
(*6)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



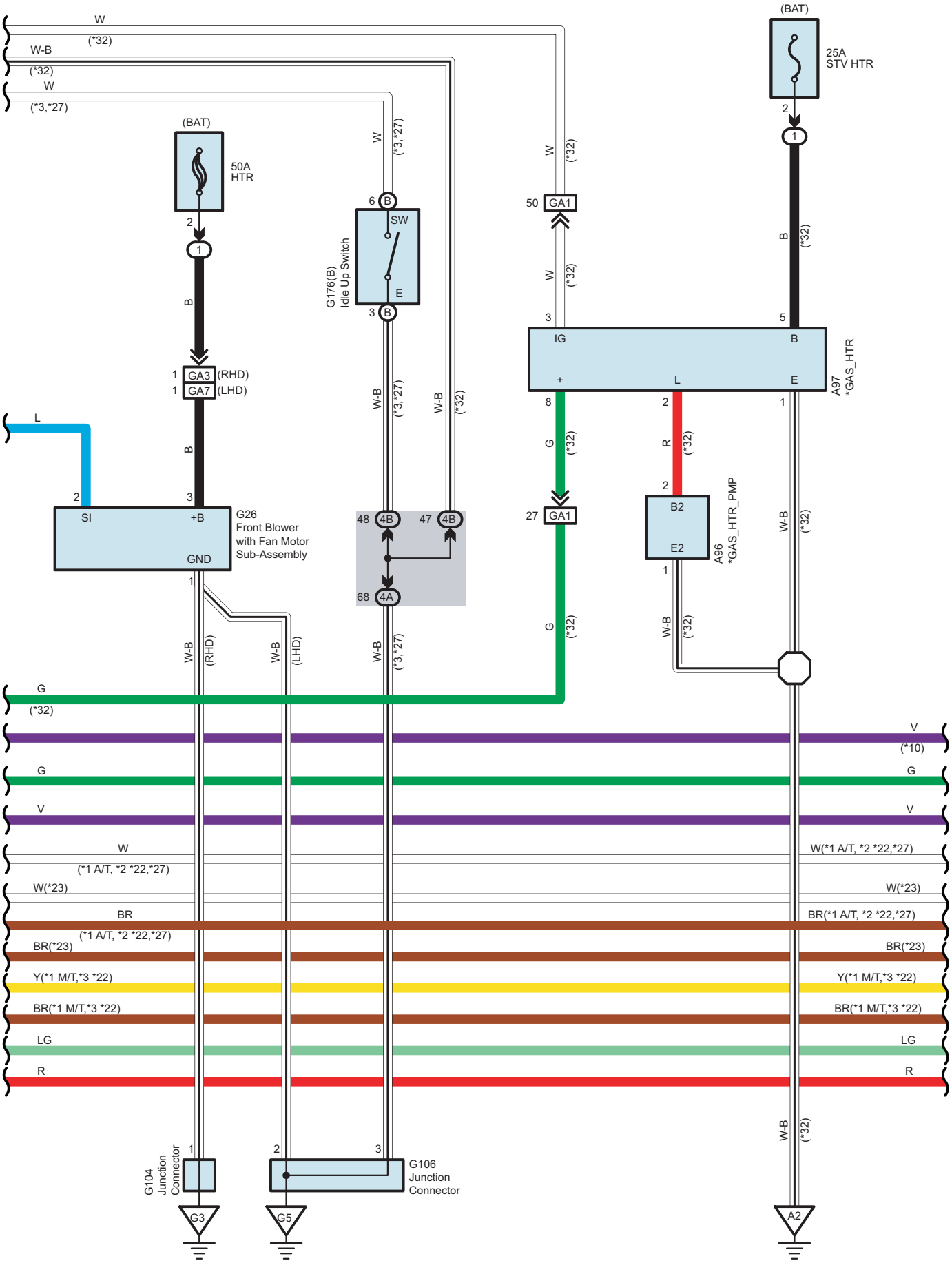
* 5 :w/ PTC Heater
* 6 :w/ Rear A/C
* 7 :LHD Automatic A/C
* 8 :RHD Automatic A/C
* 9 :Manual A/C

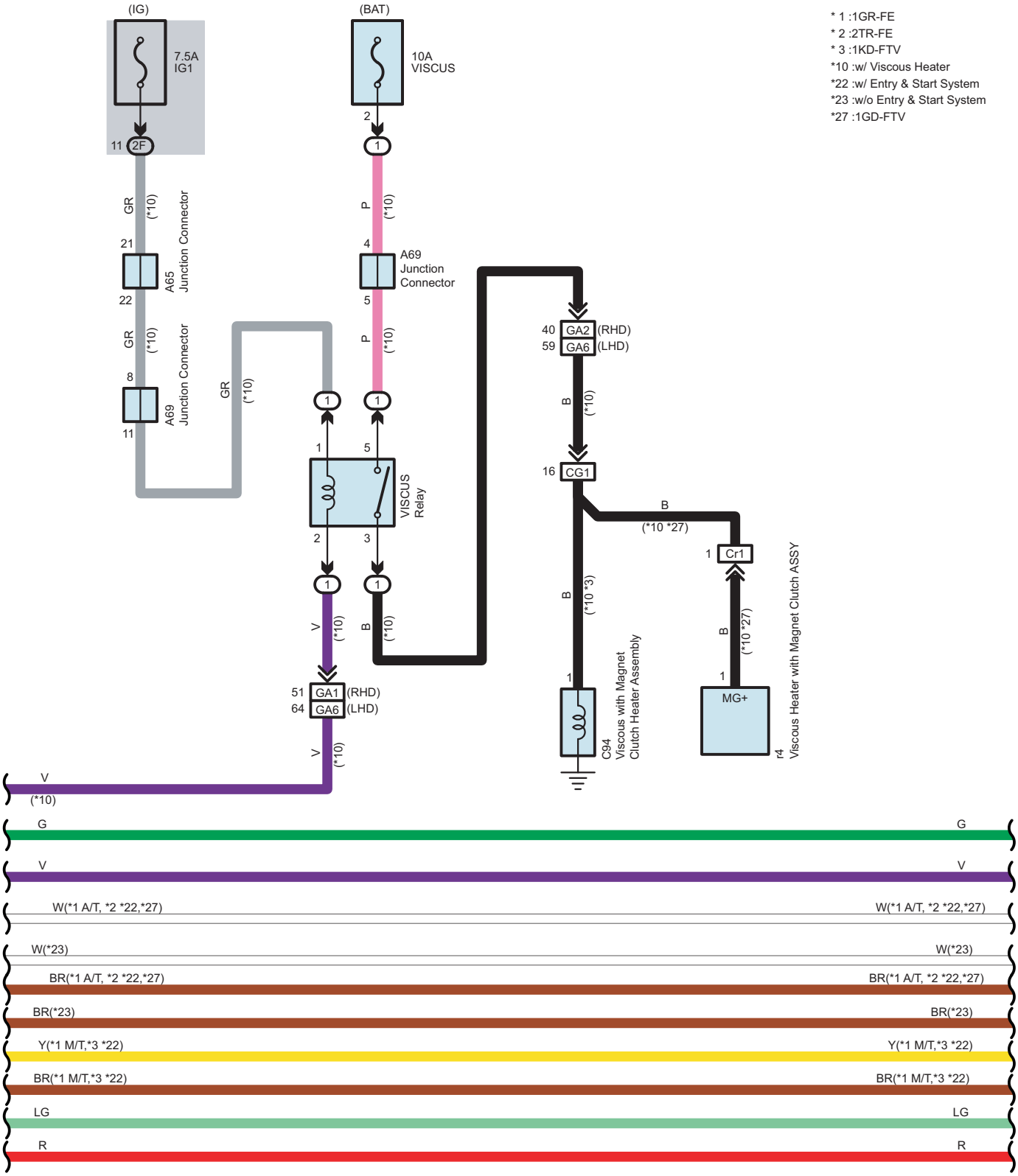

* 1 :1GR-FE
* 2 :2TR-FE
* 4 :5L-E
* 5 :w/ PTC Heater
* 6 :w/ Rear A/C
* 7 :LHD Automatic A/C
* 8 :RHD Automatic A/C
DEF Relay
DEICER Relay
Outer Mirror Heater Switch Assembly
Generator Assembly
P
G
R
B
L
(*5)
38 B RDEF
40 B FDEF
5 A SW1
11 A FDFI
25 B ALT
G24(A),G25(B),z1(C)
A/C Amplifier Assembly
RGND
GND
20 A
14 B
W-B
3 B
2 B
G143(B)
Junction Connector
6 B
W-B (RHD)
W-B (LHD)
8 D
9 D
G129(D) Junction Connector
8 E
9 E
10 E
G165(E),G164(F) Junction Connector
7 F
10 D
7 C
G128(C),G129(D) Junction Connector
4
G106
Junction Connector
G5
Connector
Housing Color (Blue)
M
Damper Servo Motor (Air Mix LH) (*7)
Damper Servo Motor (Air Mix RH) (*8)
z1(C)
A/C Blower Assembly

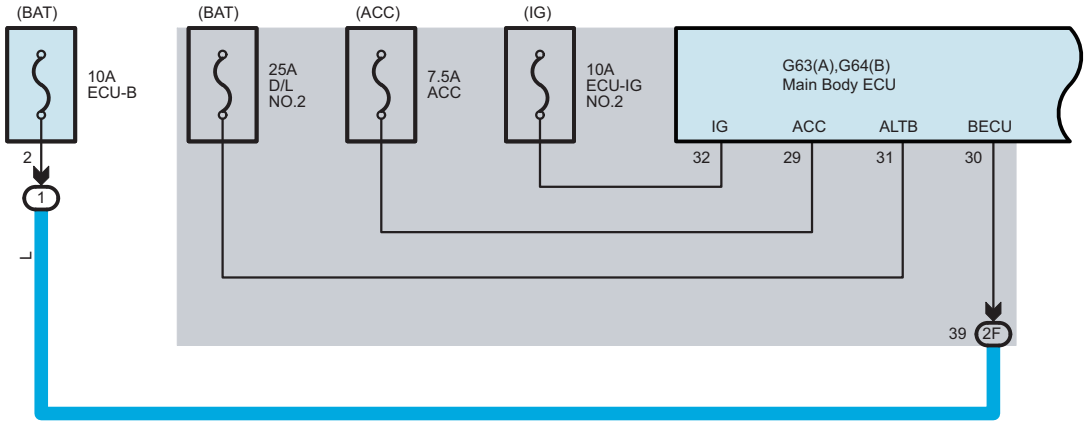

Q19
Rear No. 1 Cooler Thermistor
1
2
R
(*6)
B
(*6)
56 GQ1
57 GQ1
R
(*6)
B
(*6)
7 A
17 A
SG-6
TR
CDS FAN Relay
GR
(*1, *2, *4)
39 B
CFN+
G24(A),G25(B),z1(C)
A/C Amplifier Assembly
RBUS
RBBU
RBUG
SGND
TEC
1 A
23 A
21 A
19 A
4 A
LG
(*6)
P
(*6)
L
(*6)
V
(*6)
SB
(*6)
31 GQ1
55 GQ1
54 GQ1
53 GQ1
52 GQ1
LG
(*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



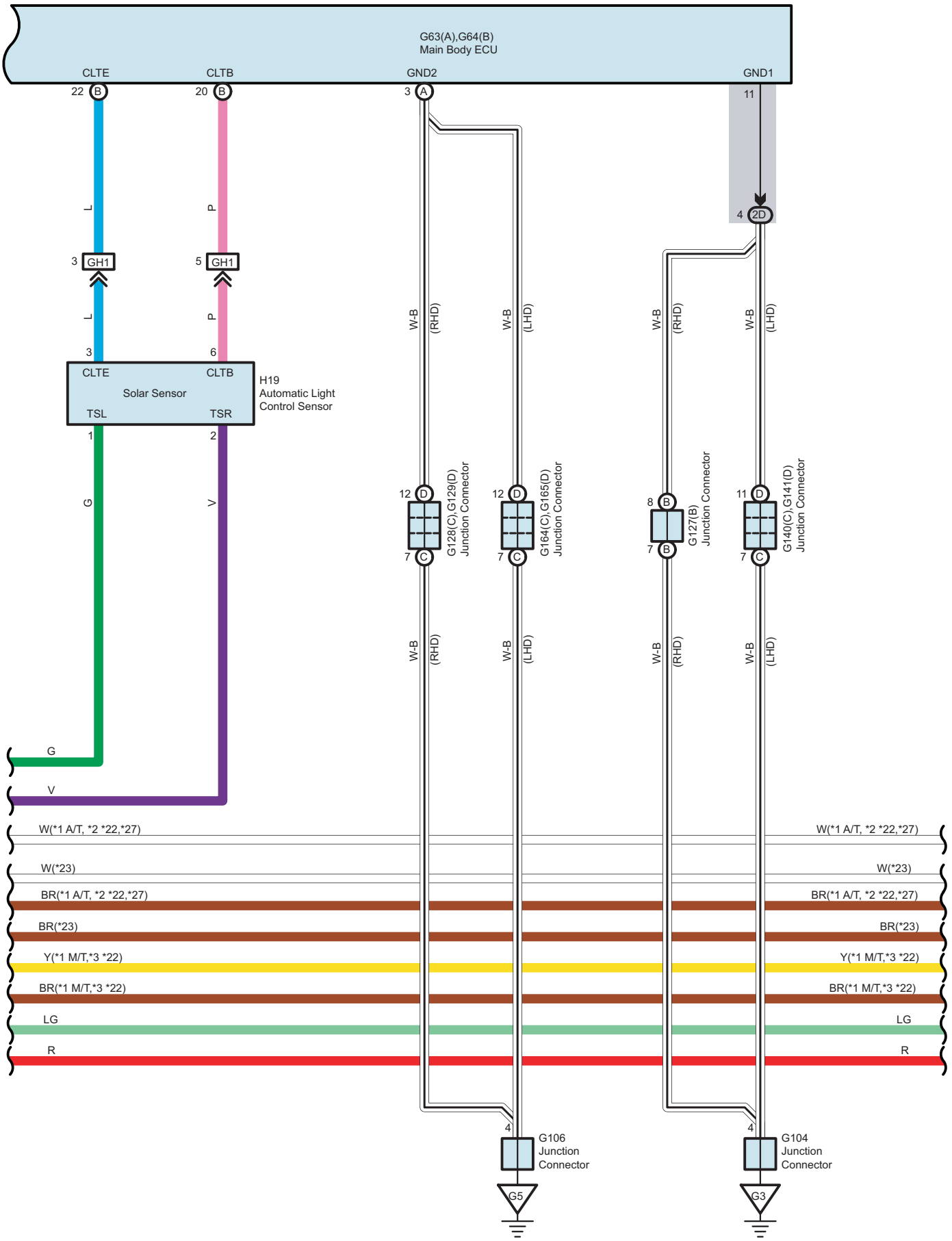
* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
*10 :w/ Viscous Heater
*22 :w/ Entry & Start System
*23 :w/o Entry & Start System
*27 :1GD-FTV
*32 :w/ Power Heater(Combustion Type)

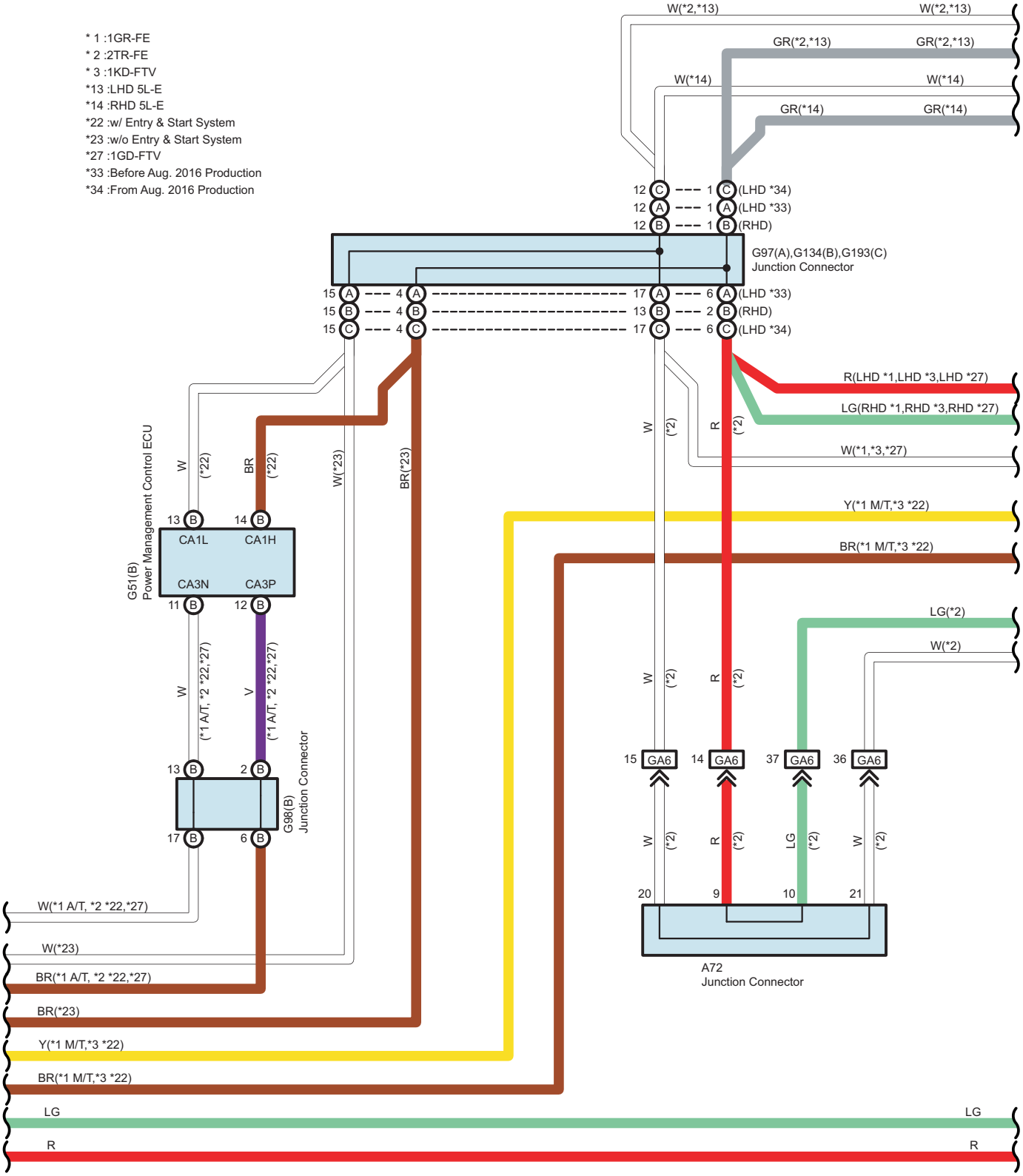

(BAT)
50A
HTR
(BAT)
25A
STV HTR
G176(B)
Idle Up Switch
SW
GA3 (RHD)
GA7 (LHD)
GA1
IG
B
L
E
A97
*GAS_HTR
G26
Front Blower
with Fan Motor
Sub-Assembly
SI
+B
GND
B2
E2
A96
*GAS_HTR_PMP
4B
4A
G104
Junction
Connector
G106
Junction
Connector
G3
G5
A2
W
W-B
B
L
G
R
V
BR
LG
Y
(*32)
(*3,*27)
(*10)
(*1 A/T, *2 *22,*27)
(*23)
(*1 M/T,*3 *22)
(RHD)
(LHD)

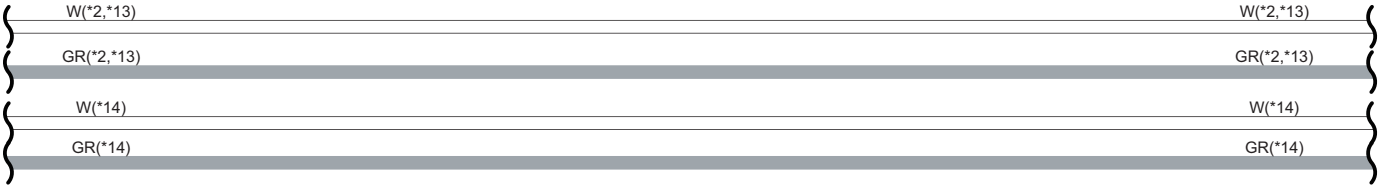

* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
*10 :w/ Viscous Heater
*22 :w/ Entry & Start System
*23 :w/o Entry & Start System
*27 :1GD-FTV
(IG)
(BAT)
7.5A IG1
10A VISCUS
11 2F
2
1
GR (*10)
P (*10)
21
22
A65 Junction Connector
4
5
A69 Junction Connector
GR (*10)
P (*10)
8
11
A69 Junction Connector
GR (*10)
1
5
2
3
VISCUS Relay
40 GA2 (RHD)
59 GA6 (LHD)
B (*10)
16 CG1
B (*10 *27)
1 Cr1
B (*10 *3)
B (*10 *27)
V (*10)
B (*10)
51 GA1 (RHD)
64 GA6 (LHD)
V (*10)
V (*10)
C94 Viscous with Magnet Clutch Heater Assembly
MG+
r4 Viscous Heater with Magnet Clutch ASSY
G
V
W(*1 A/T, *2 *22,*27)
W(*23)
BR(*1 A/T, *2 *22,*27)
BR(*23)
Y(*1 M/T,*3 *22)
BR(*1 M/T,*3 *22)
LG
R


(BAT)
10A
ECU-B
2
1
L
(BAT)
25A
D/L
NO.2
(ACC)
7.5A
ACC
(IG)
10A
ECU-IG
NO.2
G63(A),G64(B)
Main Body ECU
IG
ACC
ALTB
BECU
32
29
31
30
39
2F

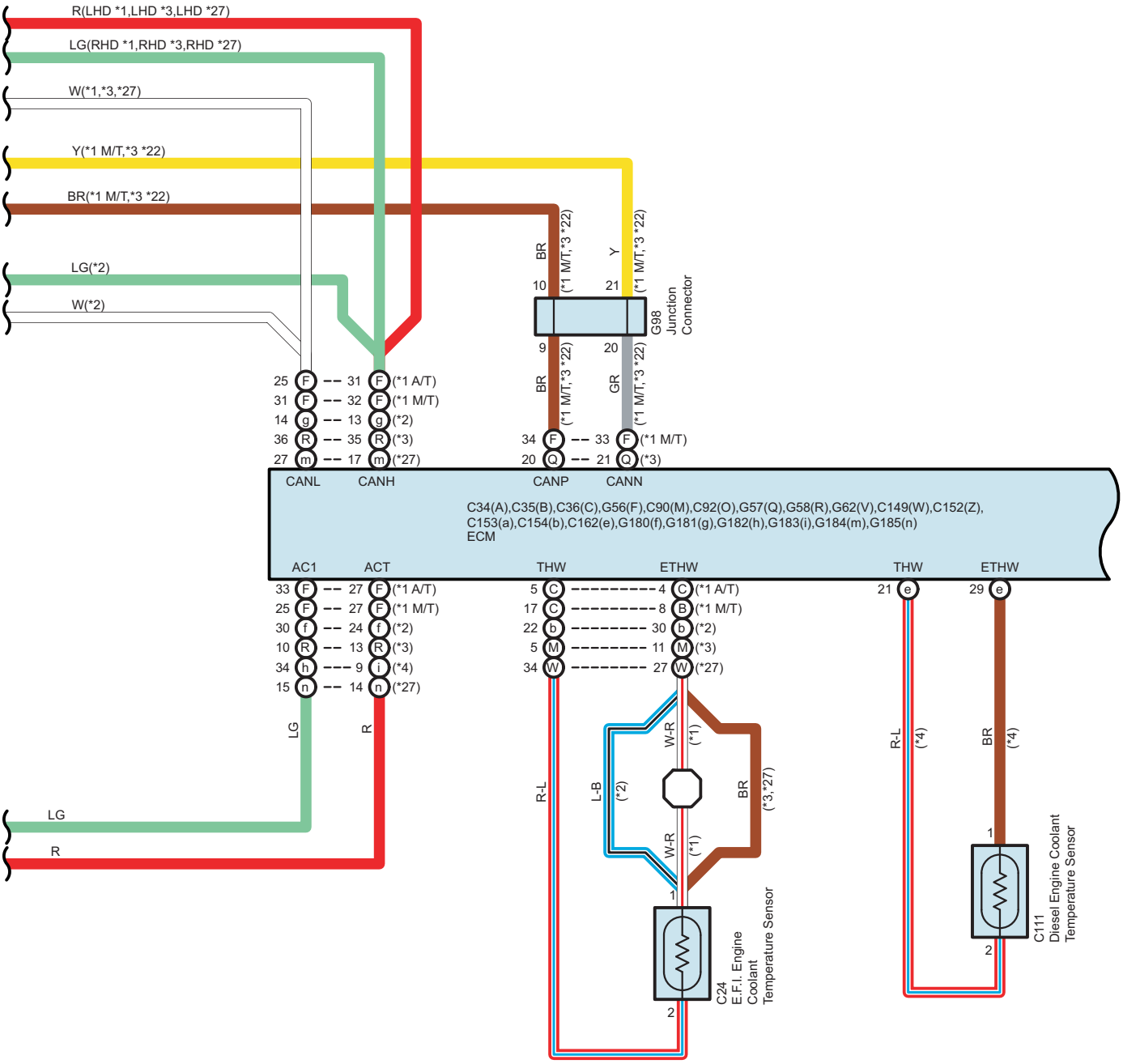

G
G
V
V
W(*1 A/T, *2 *22,*27)
W(*1 A/T, *2 *22,*27)
W(*23)
W(*23)
BR(*1 A/T, *2 *22,*27)
BR(*1 A/T, *2 *22,*27)
BR(*23)
BR(*23)
Y(*1 M/T,*3 *22)
Y(*1 M/T,*3 *22)
BR(*1 M/T,*3 *22)
BR(*1 M/T,*3 *22)
LG
LG
R
R

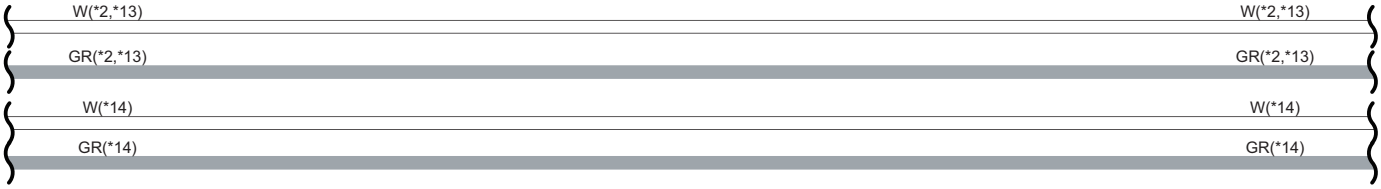

G63(A),G64(B)
Main Body ECU
CLTE
CLTB
GND2
GND1
22 B
20 B
3 A
11
4 2D
L
P
3 GH1
5 GH1
L
P
3
6
CLTE
CLTB
Solar Sensor
TSL
TSR
H19
Automatic Light
Control Sensor
1
2
G
V
W-B
(RHD)
W-B
(LHD)
12 D
7 C
G128(C),G129(D)
Junction Connector
G164(C),G165(D)
Junction Connector
8 B
7 B
G127(B)
Junction Connector
11 D
7 C
G140(C),G141(D)
Junction Connector
G
V
W(*1 A/T, *2 *22,*27)
W(*23)
BR(*1 A/T, *2 *22,*27)
BR(*23)
Y(*1 M/T,*3 *22)
BR(*1 M/T,*3 *22)
LG
R
4
G106
Junction
Connector
G5
4
G104
Junction
Connector
G3

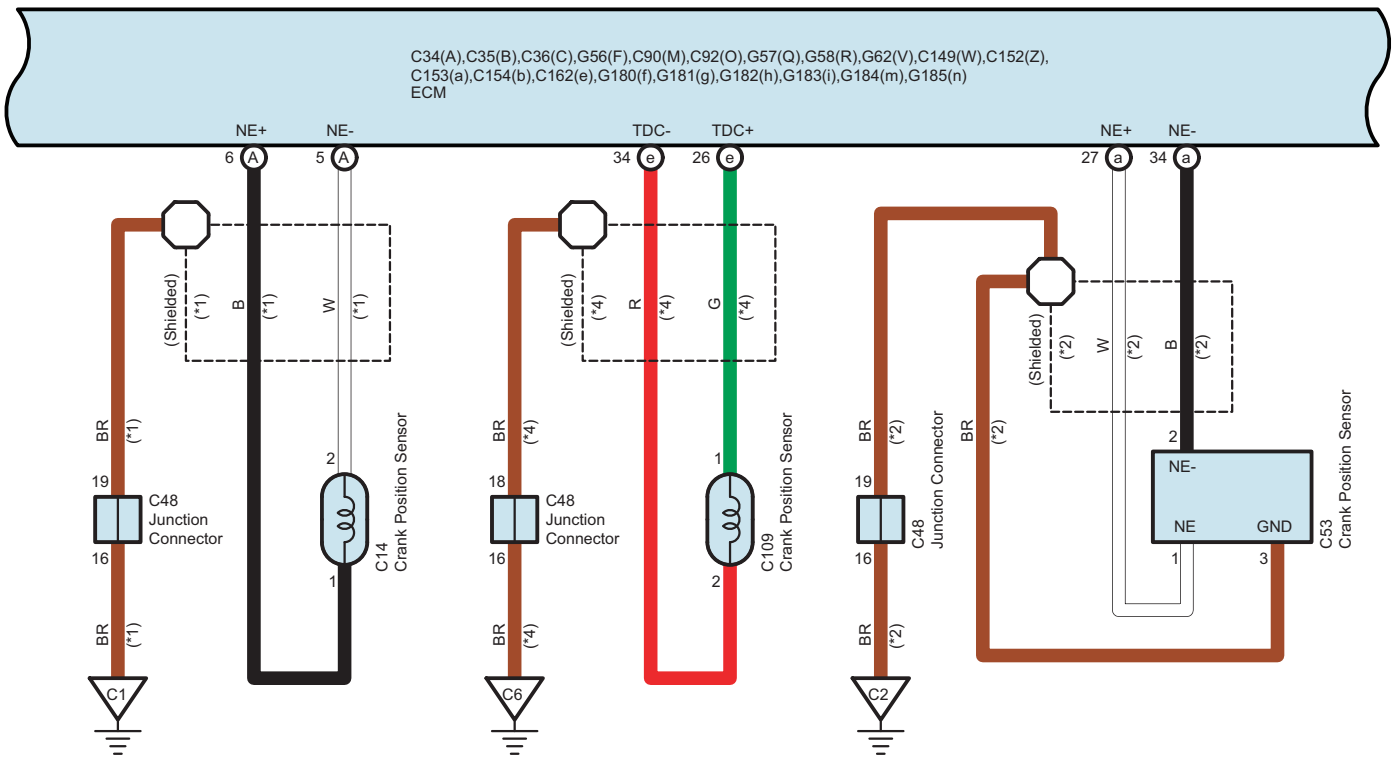

* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
*13 :LHD 5L-E
*14 :RHD 5L-E
*22 :w/ Entry & Start System
*23 :w/o Entry & Start System
*27 :1GD-FTV
*33 :Before Aug. 2016 Production
*34 :From Aug. 2016 Production
W(*2,*13)
GR(*2,*13)
W(*14)
GR(*14)
(LHD *34)
(LHD *33)
(RHD)
G97(A),G134(B),G193(C)
Junction Connector
R(LHD *1,LHD *3,LHD *27)
LG(RHD *1,RHD *3,RHD *27)
W(*1,*3,*27)
Y(*1 M/T,*3 *22)
BR(*1 M/T,*3 *22)
LG(*2)
W(*2)
G51(B)
Power Management Control ECU
CA1L
CA1H
CA3N
CA3P
W(*23)
BR(*23)
W(*1 A/T, *2 *22,*27)
V(*1 A/T, *2 *22,*27)
G98(B)
Junction Connector
GA6
A72
Junction Connector
W(*1 A/T, *2 *22,*27)
W(*23)
BR(*1 A/T, *2 *22,*27)
BR(*23)
Y(*1 M/T,*3 *22)
BR(*1 M/T,*3 *22)
LG
R

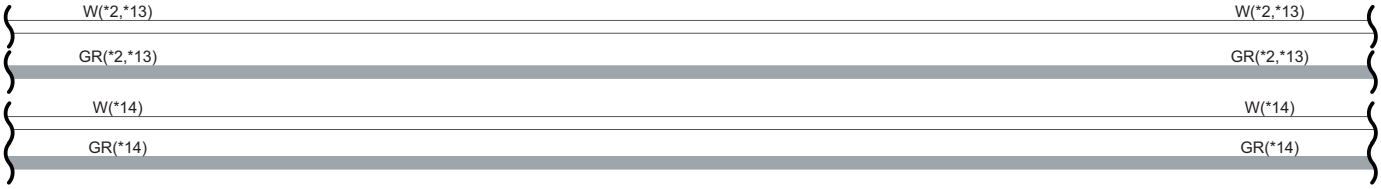


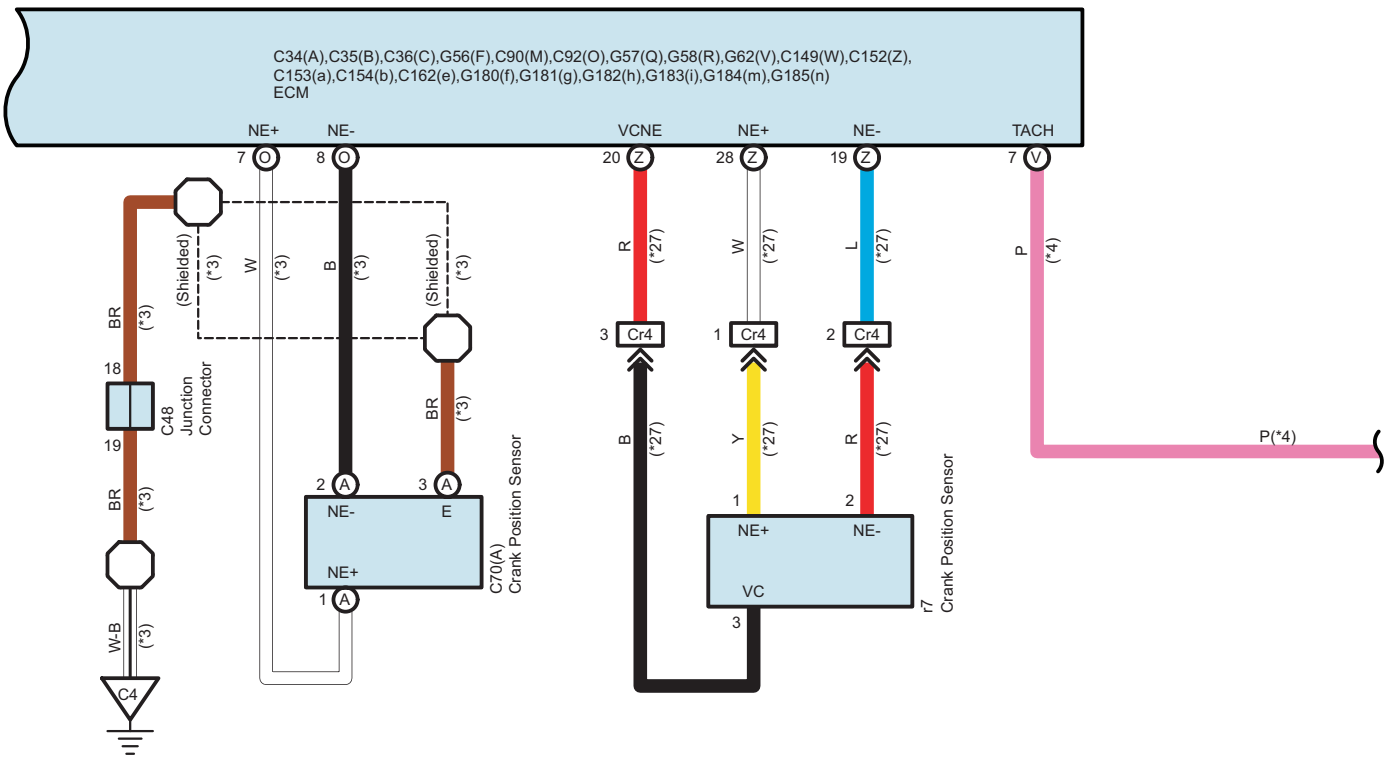
* 1 :1GR-FE
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
*13 :LHD 5L-E
*14 :RHD 5L-E
*22 :w/ Entry & Start System
*23 :w/o Entry & Start System
*27 :1GD-FTV

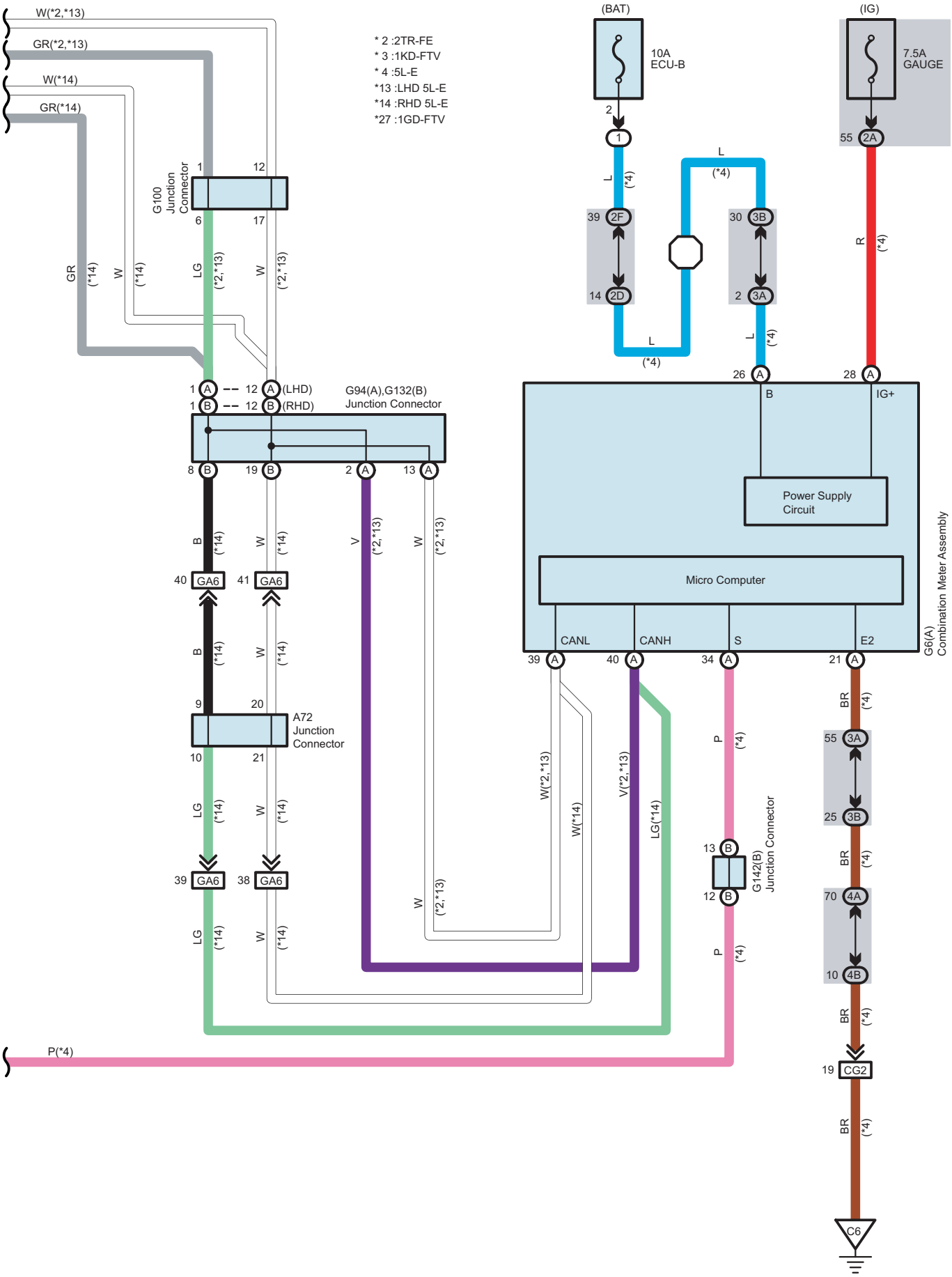



W(*2,*13)
W(*2,*13)
GR(*2,*13)
GR(*2,*13)
W(*14)
W(*14)
GR(*14)
GR(*14)


C34(A),C35(B),C36(C),G56(F),C90(M),C92(O),G57(Q),G58(R),G62(V),C149(W),C152(Z),
C153(a),C154(b),C162(e),G180(f),G181(g),G182(h),G183(i),G184(m),G185(n)
ECM
NE+
NE-
TDC-
TDC+
NE+
NE-
6 A
5 A
34 e
26 e
27 a
34 a
(Shielded)
(*1)
B
W
(*4)
R
G
(*2)
BR
19
16
18
C48
Junction
Connector
C1
C6
C2
2
1
C14
Crank Position Sensor
C109
Crank Position Sensor
NE-
NE
GND
3
C53
Crank Position Sensor


W(*2,*13)
W(*2,*13)
GR(*2,*13)
GR(*2,*13)
W(*14)
W(*14)
GR(*14)
GR(*14)


C34(A),C35(B),C36(C),G56(F),C90(M),C92(O),G57(Q),G58(R),G62(V),C149(W),C152(Z),
C153(a),C154(b),C162(e),G180(f),G181(g),G182(h),G183(i),G184(m),G185(n)
ECM
NE+
NE-
VCNE
NE+
NE-
TACH
7 O
8 O
20 Z
28 Z
19 Z
7 V
(Shielded)
(*3)
W
(*3)
B
(*3)
(Shielded)
(*3)
R
(*27)
W
(*27)
L
(*27)
P
(*4)
BR
(*3)
18
C48
Junction
Connector
19
BR
(*3)
W-B
(*3)
C4
2 A
NE-
3 A
E
NE+
1 A
C70(A)
Crank Position Sensor
BR
(*3)
3 Cr4
1 Cr4
2 Cr4
B
(*27)
Y
(*27)
R
(*27)
1
NE+
2
NE-
VC
3
r7
Crank Position Sensor
P(*4)


W(*2,*13)
GR(*2,*13)
W(*14)
GR(*14)
* 2 :2TR-FE
* 3 :1KD-FTV
* 4 :5L-E
*13 :LHD 5L-E
*14 :RHD 5L-E
*27 :1GD-FTV
G100 Junction Connector
1
12
6
17
GR (*14)
W (*14)
LG (*2,*13)
W (*2,*13)
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 (*2,*13)
W (*2,*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 (*2,*13)
P(*4)
(BAT)
10A ECU-B
2
1
L (*4)
39 2F
14 2D
L (*4)
L (*4)
30 3B
2 3A
L (*4)
(IG)
7.5A GAUGE
55 2A
R (*4)
26 A
28 A
B
IG+
Power Supply Circuit
Micro Computer
CANL
CANH
S
E2
39 A
40 A
34 A
21 A
G6(A) Combination Meter Assembly
W(*2,*13)
W(*14)
V(*2,*13)
LG(*14)
P (*4)
13 B
12 B
G142(B) Junction Connector
P (*4)
BR (*4)
55 3A
25 3B
BR (*4)
70 4A
10 4B
BR (*4)
19 CG2
BR (*4)
C6

A1
Black



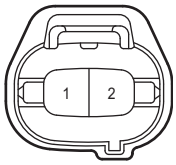
90980-11070

A2
Black



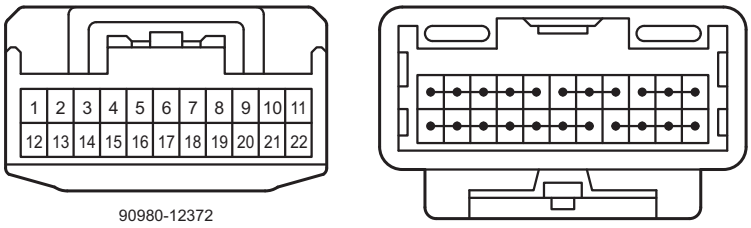
90980-10845

A3
Gray



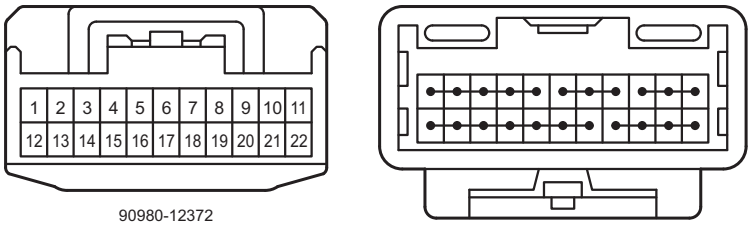
90980-11149

A64
White



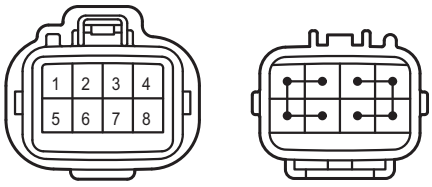
90980-12372

A65
White



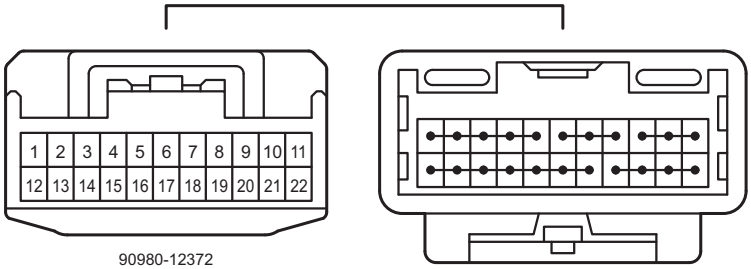
90980-12372

A68
Dark Gray



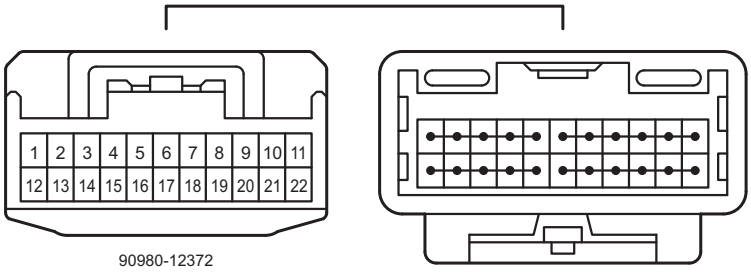
90980-10891

A69
White



90980-12372

A72
White



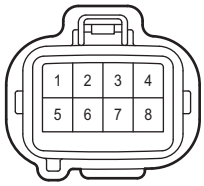
90980-12372

A96
Black



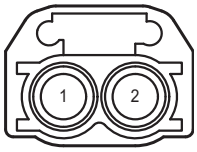
90980-11029

A97
Black



90980-10897

C14
Black



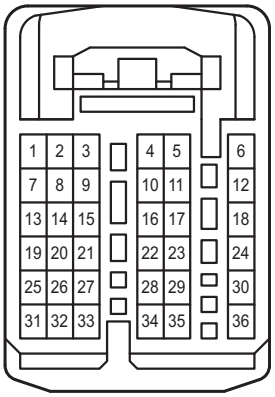
90980-12028

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)



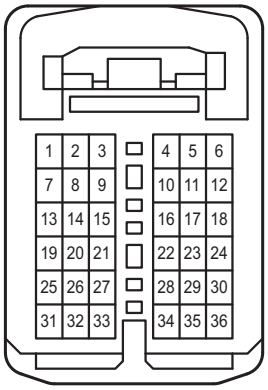
90980-10735

C34
White



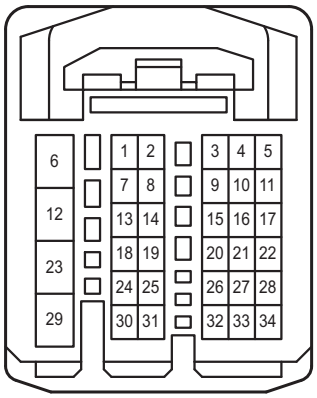
82824-26130

C35
White



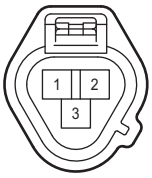
82824-26140

C36
White



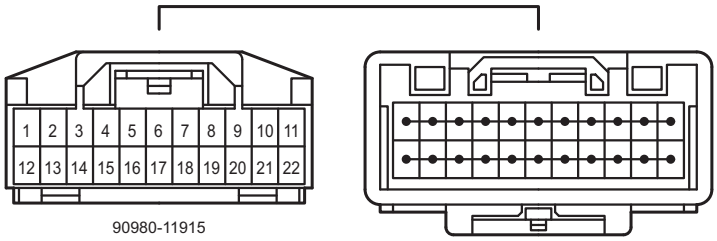
82824-26150

C39
Gray



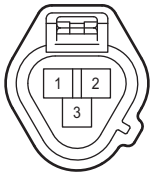
90980-11016

C48
White



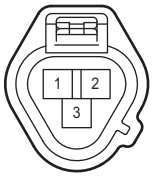
90980-11915

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



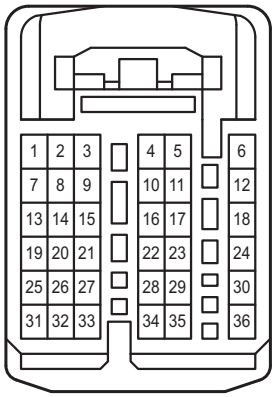
90980-11016

C70
Gray



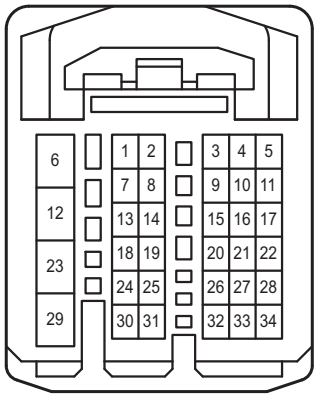
90980-11016

C90
White



82824-26130

C92
White



82824-26150

C94
Gray



90980-11271

C109
Black



90980-11162

C111
Black



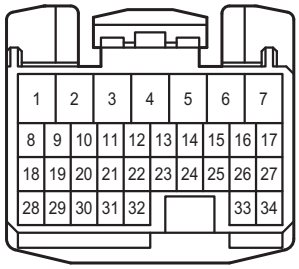
90980-10737

C113
Gray



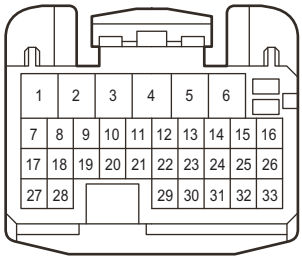
90980-11271

C149
White



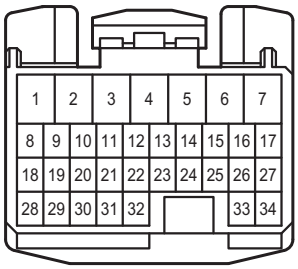
90980-12527

C152
White



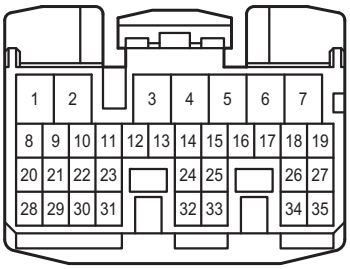
90980-12700

C153
White



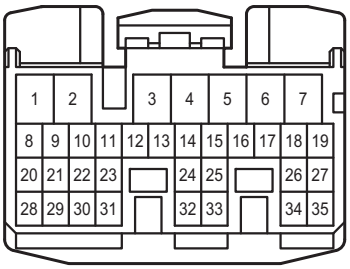
90980-12527

C154
White



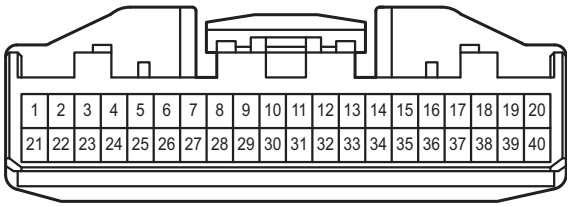
90980-12528

C162
White



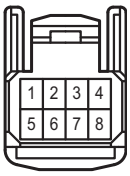
90980-12528

G6
Black



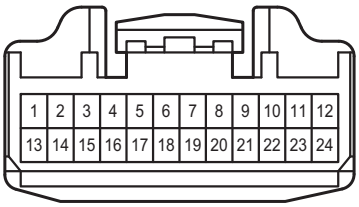
90980-12557

G23
Black



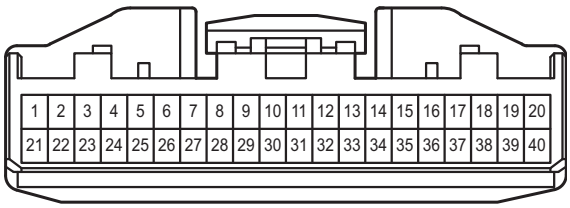
90980-12551

G24
White



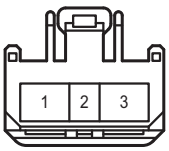
90980-12554

G25
White



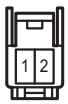
90980-12557

G26
Black



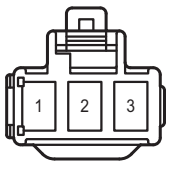
90980-11667

G27
Black



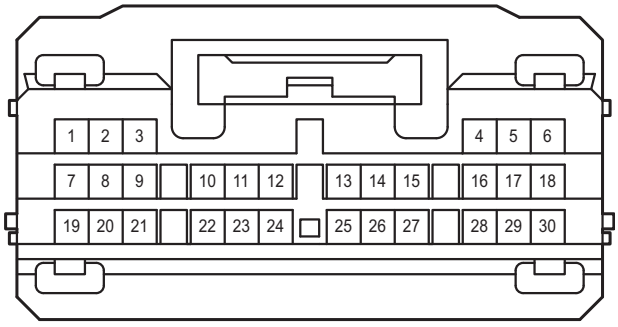
90980-11918

G28
White



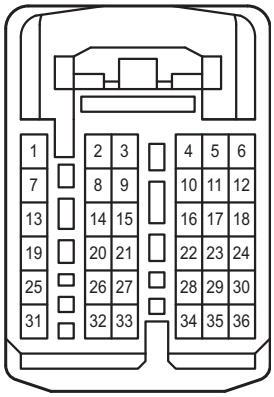
90980-10956

G51
Black



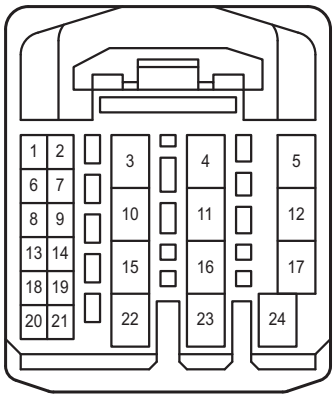
90980-12844

G56
White



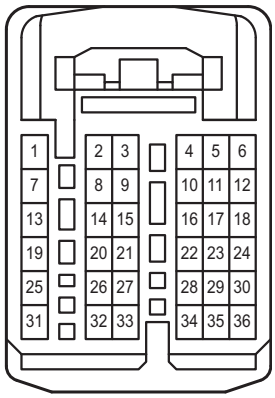
82824-26120

G57
White



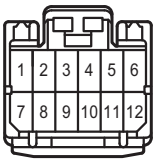
82824-26110

G58
White



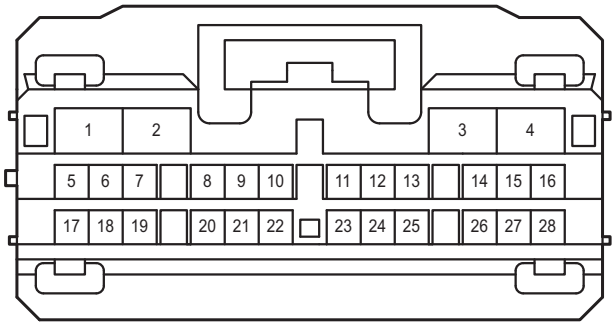
82824-26120

G62
White



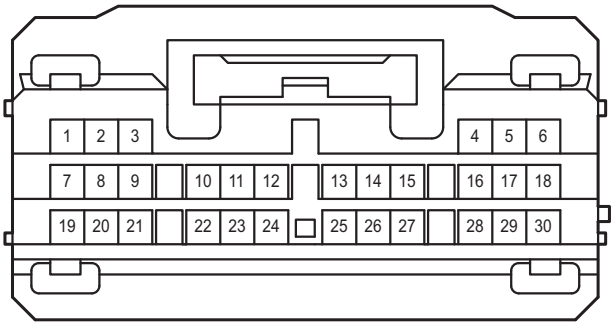
90980-11408

G63
White



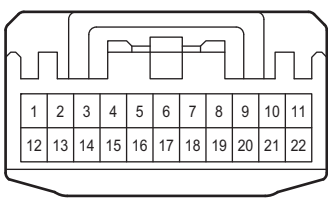
90980-12793

G64
White



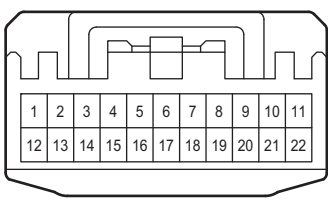
90980-12753

G94
White



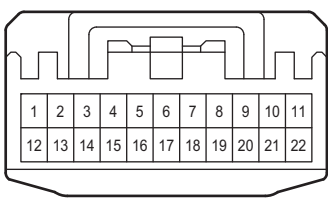
82824-30420

G97
White



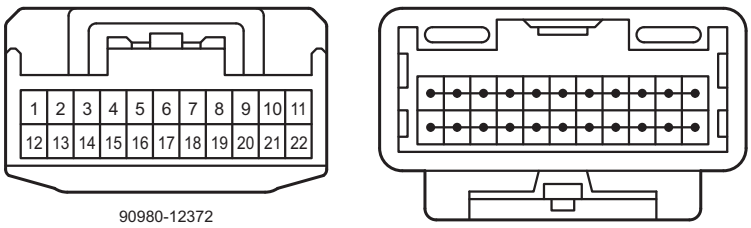
82824-30420

G98
White



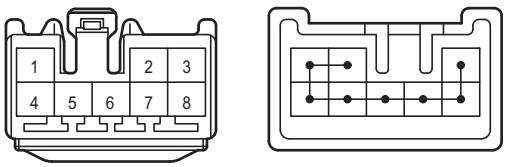
82824-30420

G100
Gray



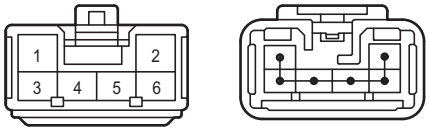
90980-12372

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



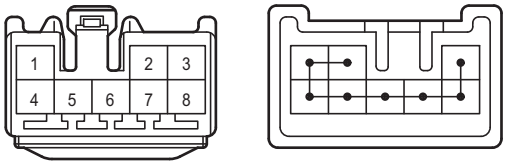
90980-11686

G105
White



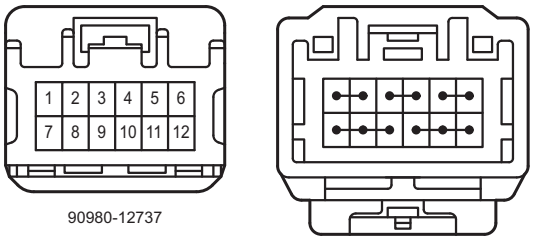
90980-10976

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



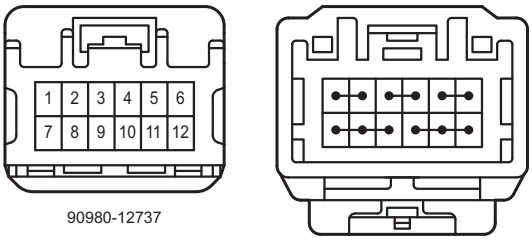
90980-11686

G127
Black



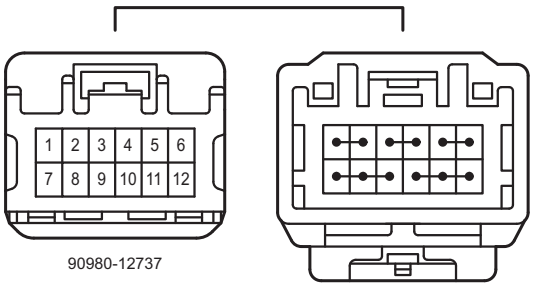
90980-12737

G128
Black



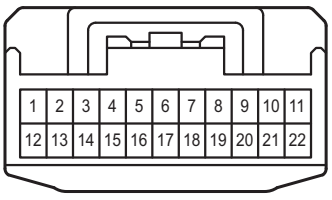
90980-12737

G129
Black



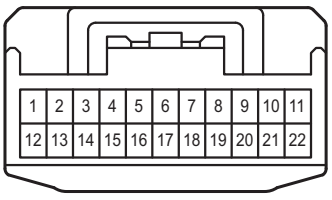
90980-12737

G132
Gray



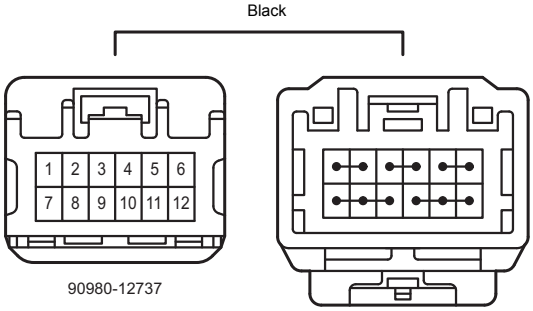
90980-12372

G134
Gray



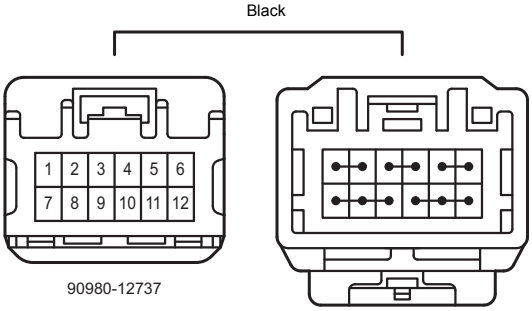
90980-12372

G140
Black



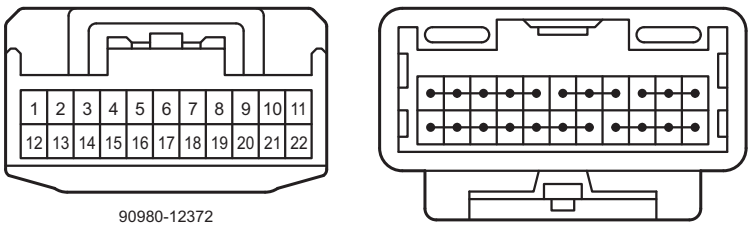
90980-12737

G141
Black



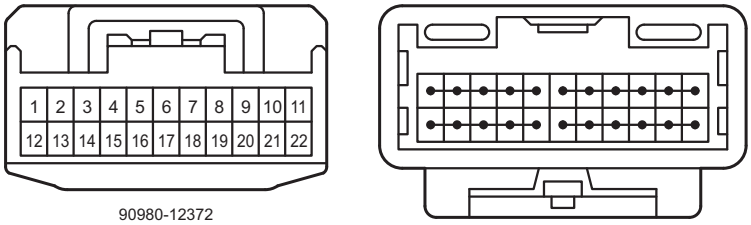
90980-12737

G142
White



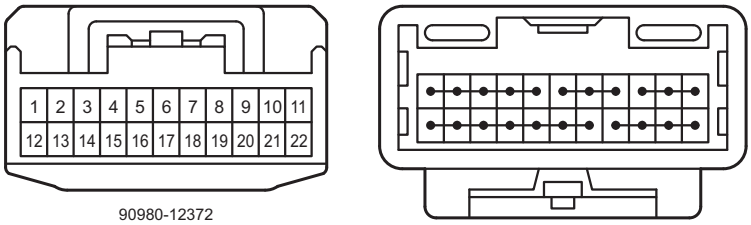
90980-12372

G143
Black



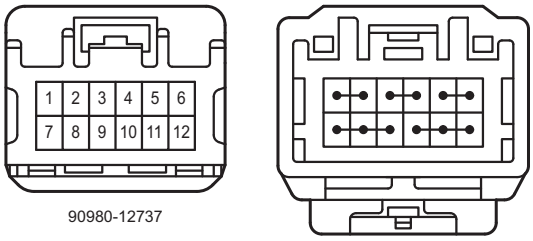
90980-12372

G144
White



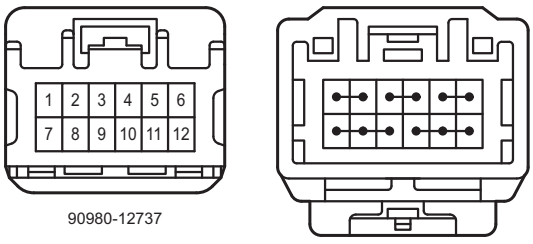
90980-12372

G164
Black



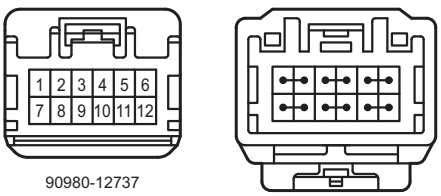
90980-12737

G165
Black



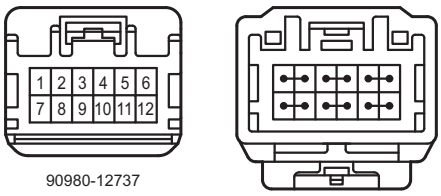
90980-12737

G166
Blue



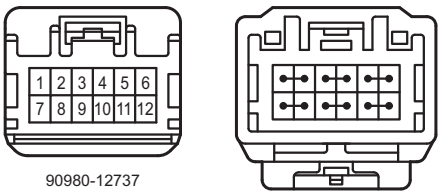
90980-12737

G167
Blue



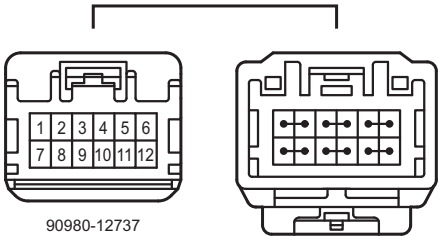
90980-12737

G168
Blue



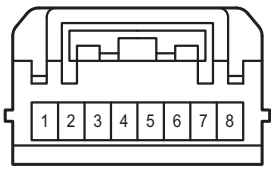
90980-12737

G169
Blue



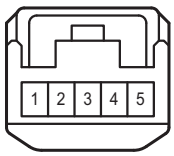
90980-12737

G176
Black



90980-12550

G177
Blue



90980-12366

G178
Gray



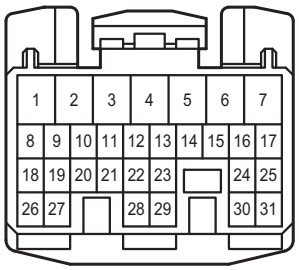
90980-10995

G179
White



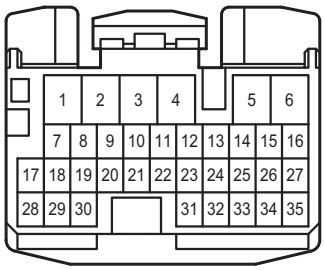
90980-10995

G180
White



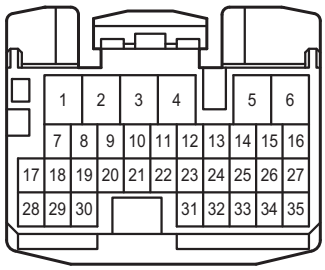
90980-12525

G181
White



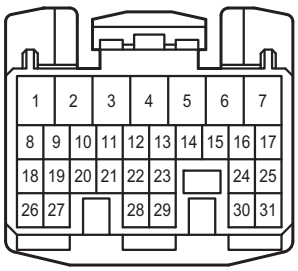
90980-12529

G182
White



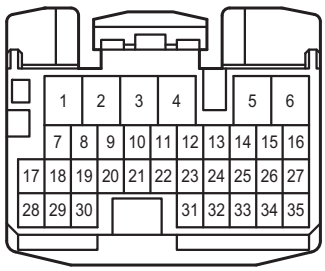
90980-12529

G183
White



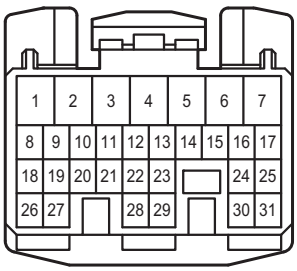
90980-12525

G184
White



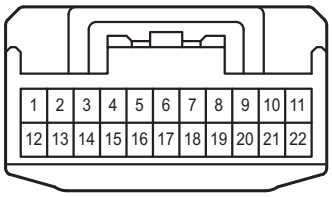
90980-12529

G185
White



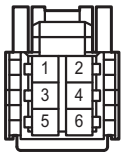
90980-12525

G193
White



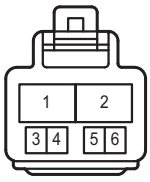
90980-12372

H19
Blue



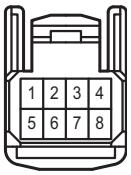
90980-12056

Q12
Black



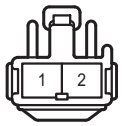
90980-10910

Q13
White



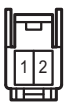
90980-12551

Q14
Black



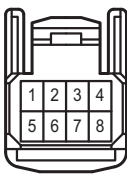
90980-10916

Q19
Black



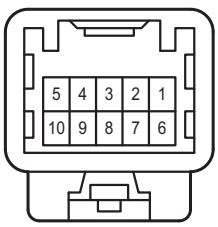
90980-11918

T3
Black



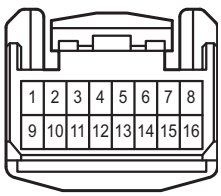
90980-12551

T6
White



90980-12367

T7
Black



90980-12553

r4
Gray



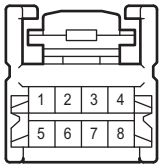
90980-11271

r7
Black



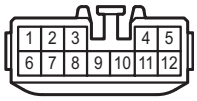
90980-12353

z1
White



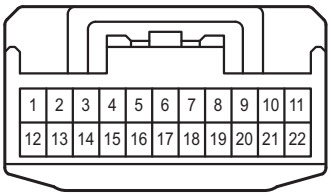
90980-12264

1J
White



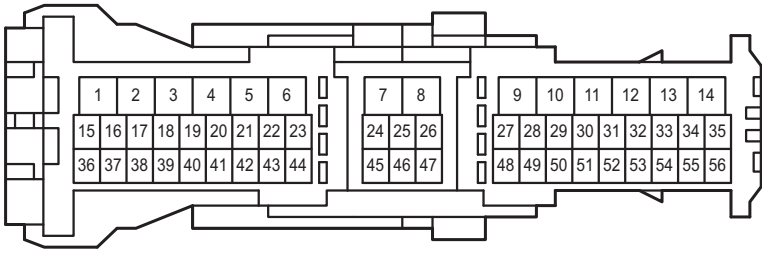
90980-10803

1K
Gray



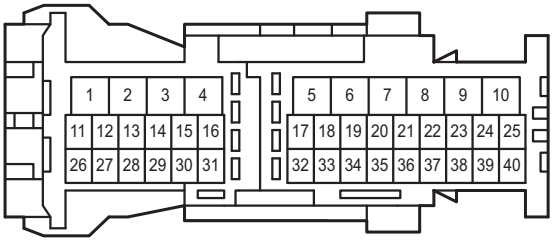
90980-12372

2A
White



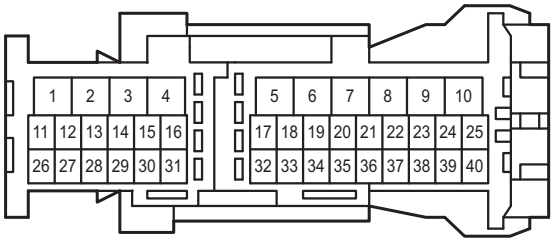
90980-12822

2D
White



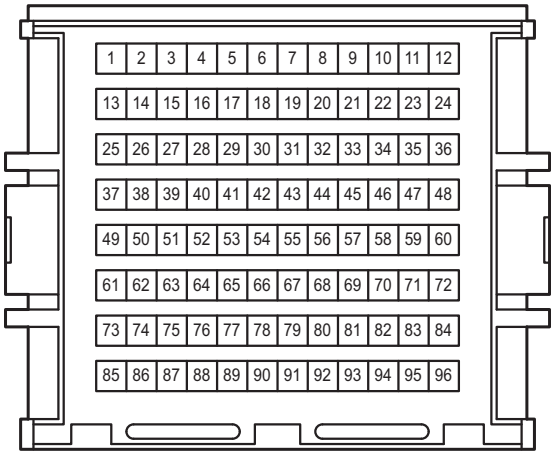
90980-12818

2F
White



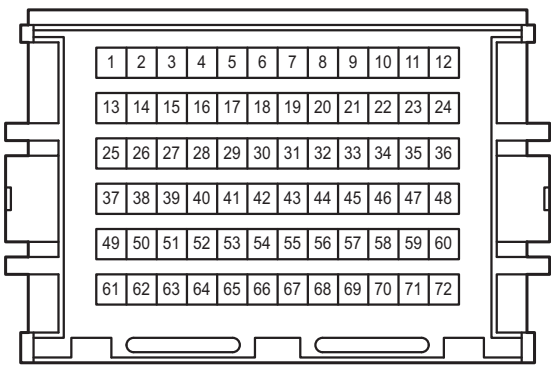
90980-12794

3A
White



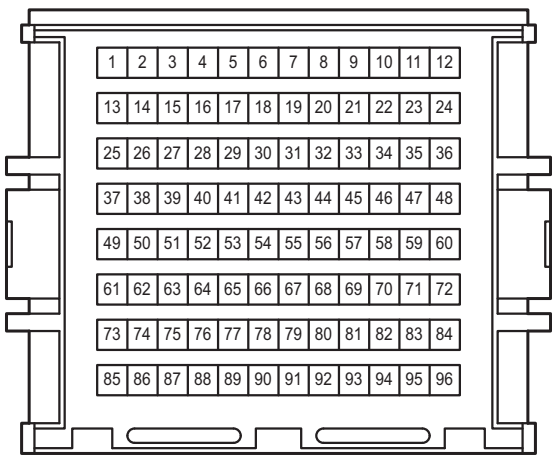
82890-12030

3B
White



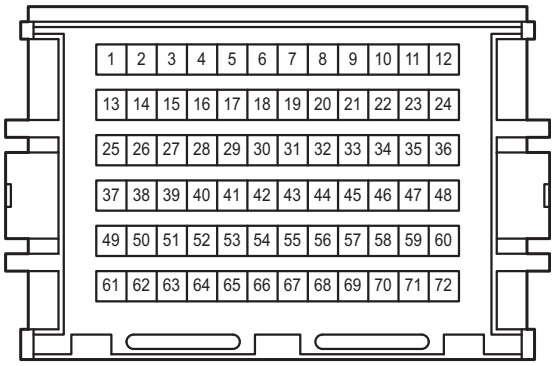
82890-42010

4A
White



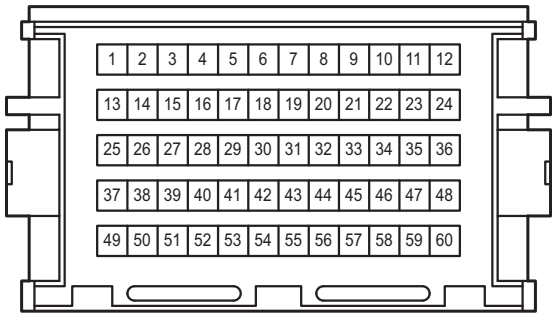
82890-12030

4B
White



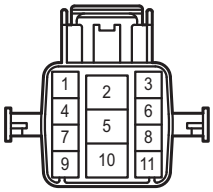
82890-42010

4C
White

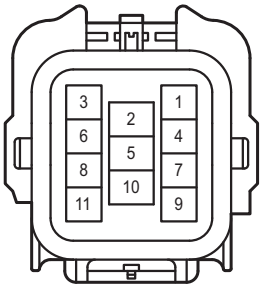


82890-12020

AC1
Black



90980-11612



90980-11609

AC2
Dark Gray

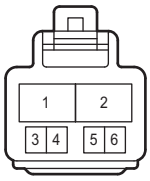


90980-11242

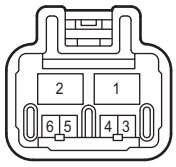


90980-11241

AQ1
White

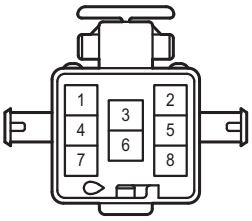


90980-10910

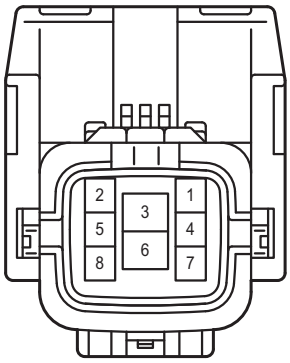


90980-10909

CA1
Black

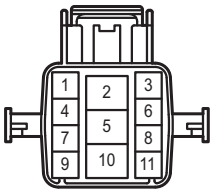


90980-11461

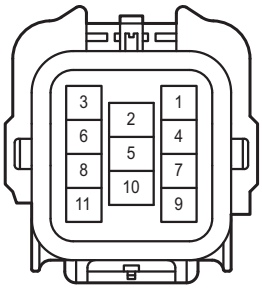


90980-11460

CA2
Black

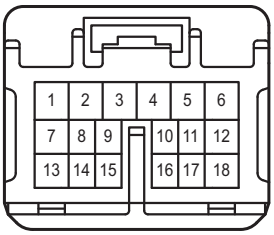


90980-11612

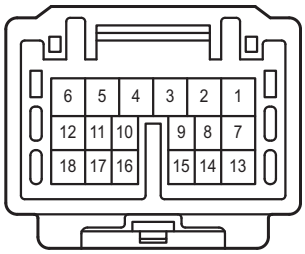


90980-11609

CG1
White

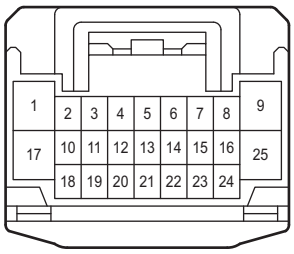


90980-12745

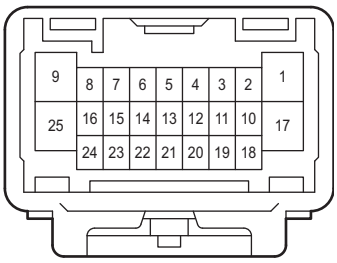


90980-12744

CG2
White



90980-12414



90980-12413

Cr1
Black



90980-10893



90980-10982

Cr4
Black

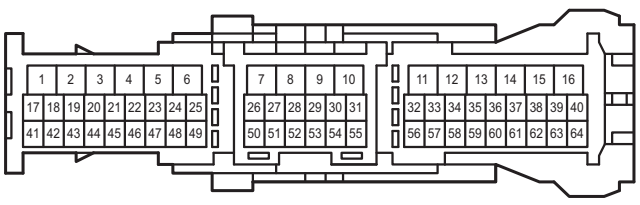


90980-12353

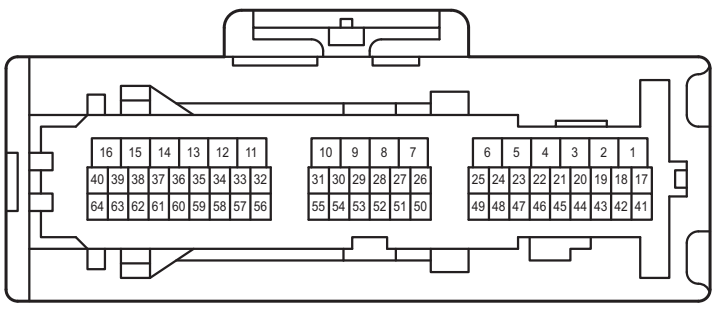


90980-12719

GA1
White

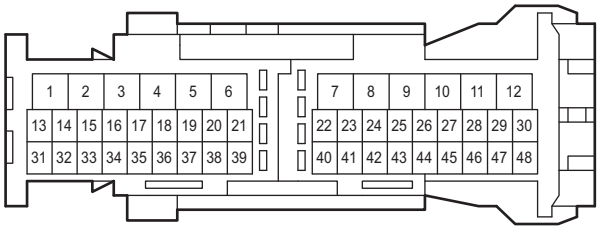


90980-12774

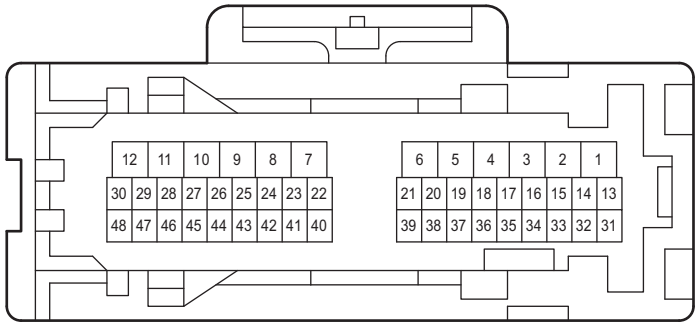


90980-12798

GA2
White

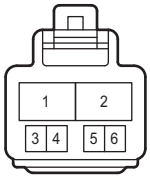


90980-12779

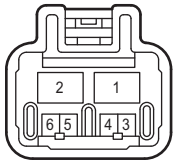


90980-12799

GA3
Black

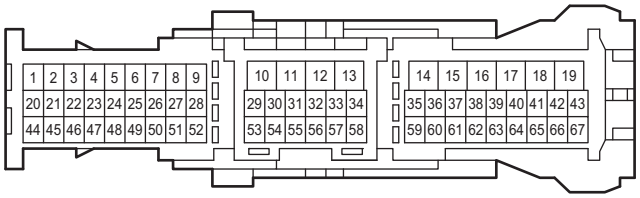


90980-10910

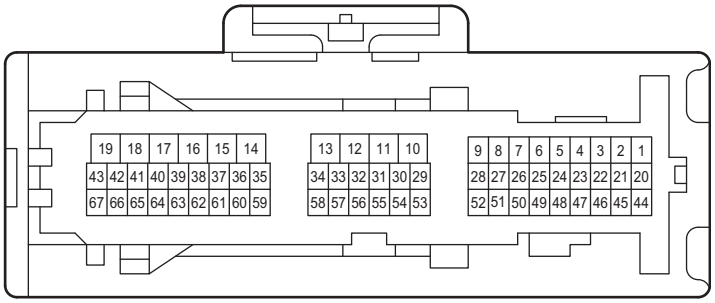


90980-10909

GA6
White

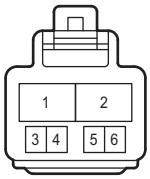


90980-12783

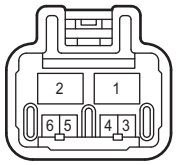


90980-12800

GA7
Black

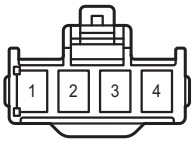


90980-10910

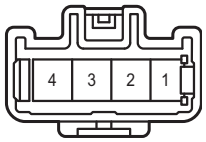


90980-10909

GA8
White

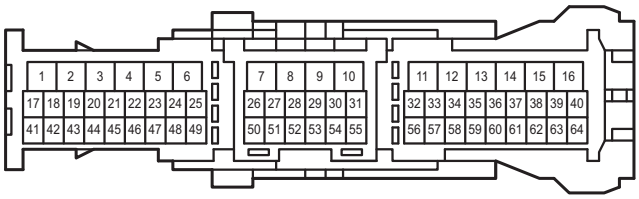


90980-10867

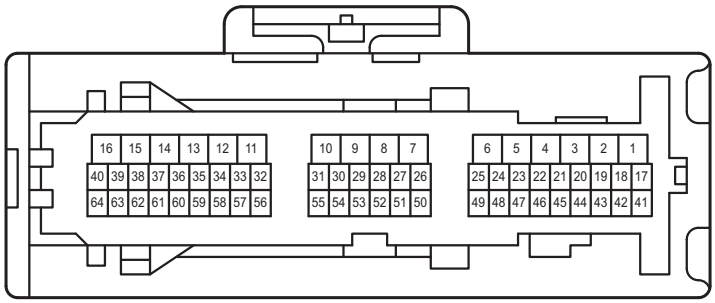


90980-10866

GH1
White

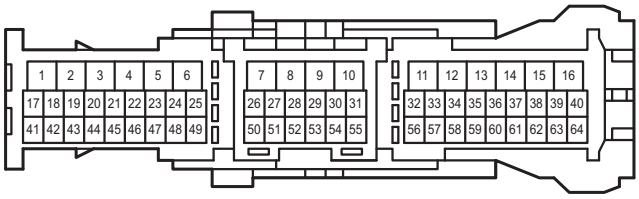


90980-12774

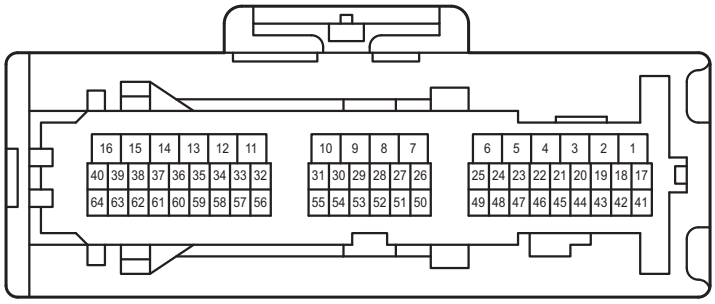


90980-12798

GQ1
White

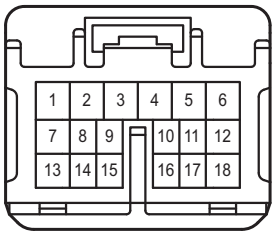


90980-12774

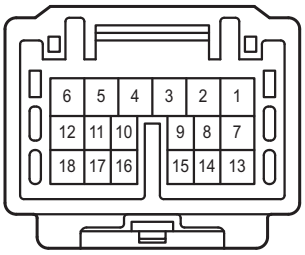


90980-12798

TG2
White



90980-12745



90980-12744