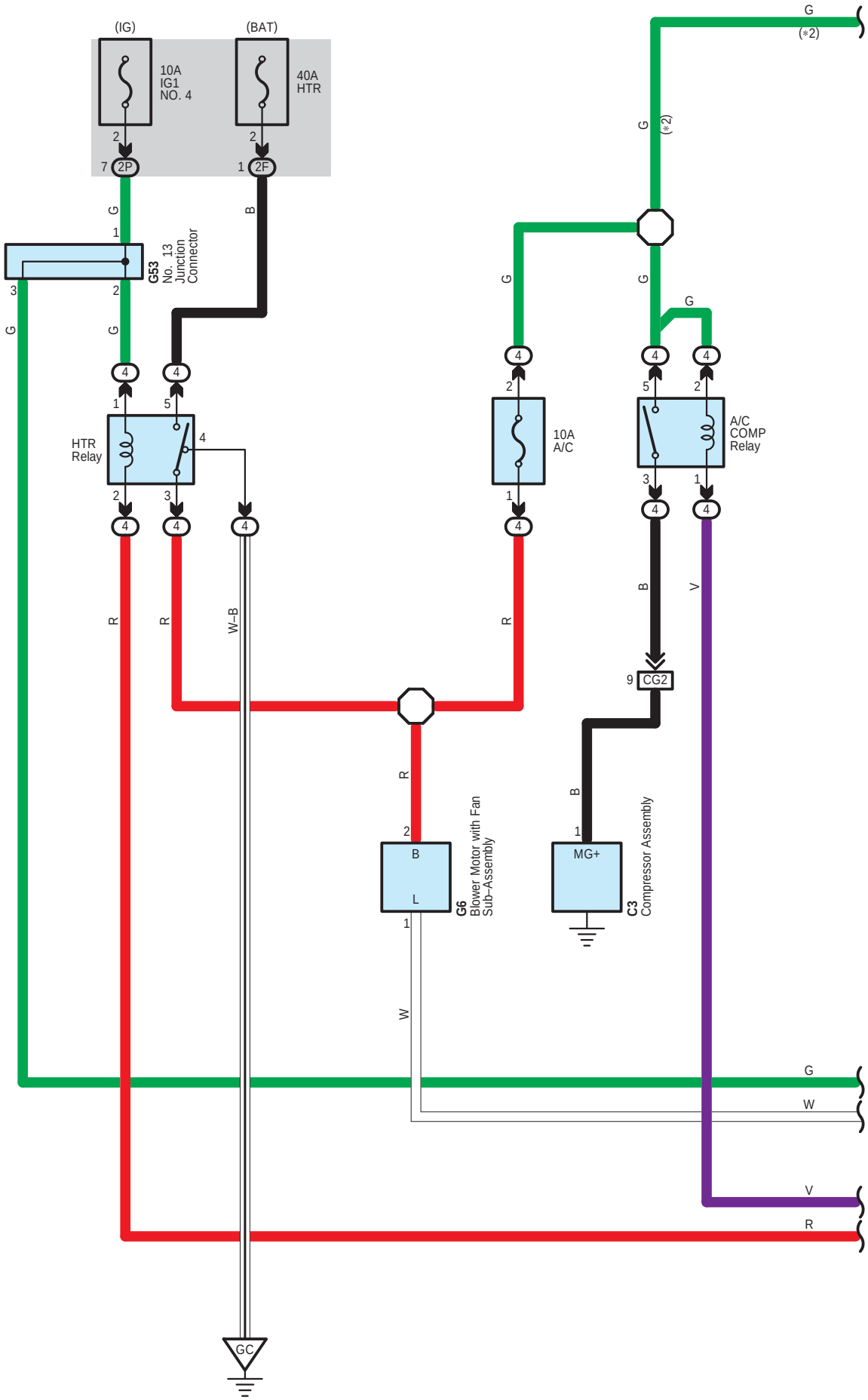
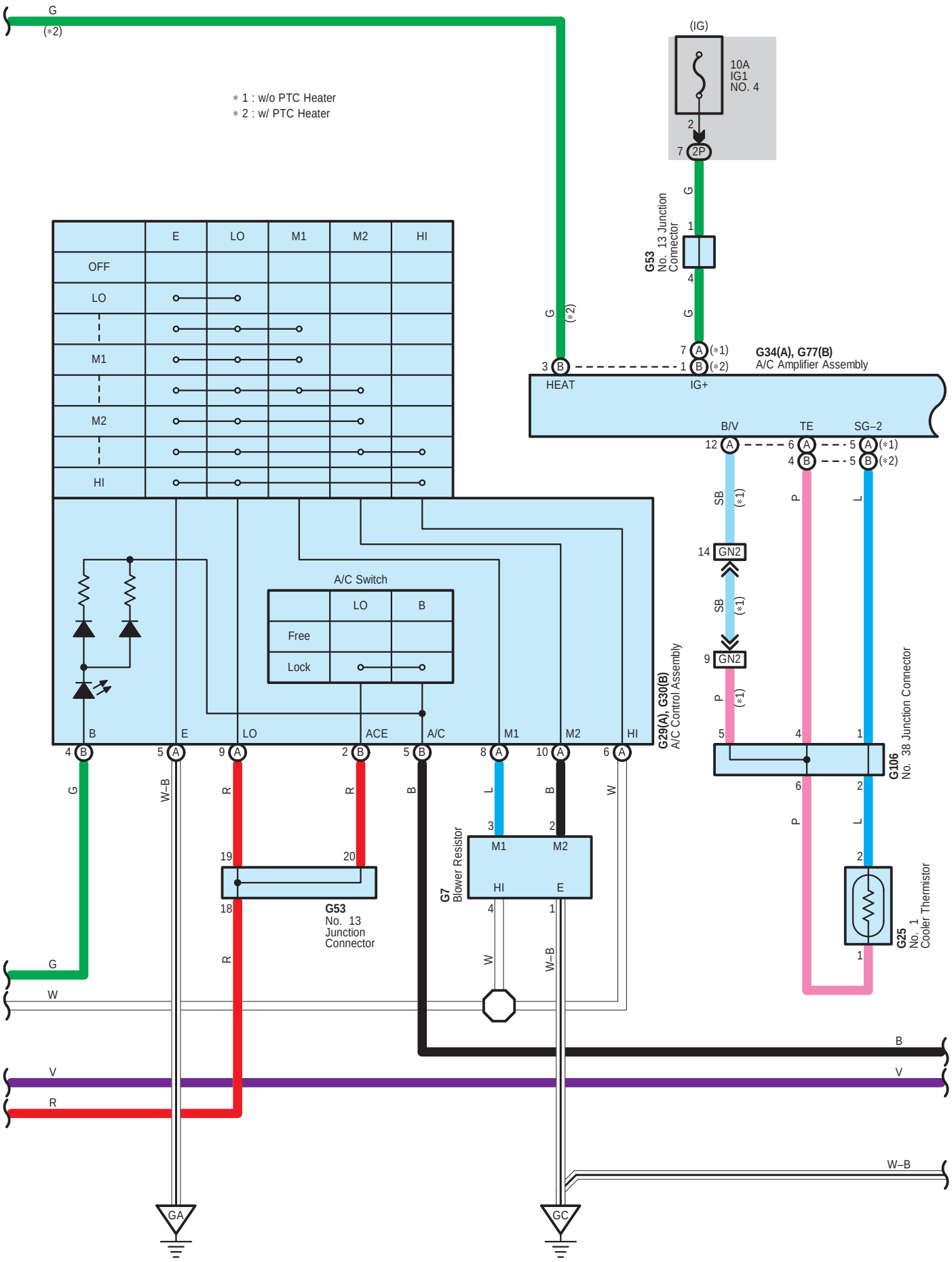
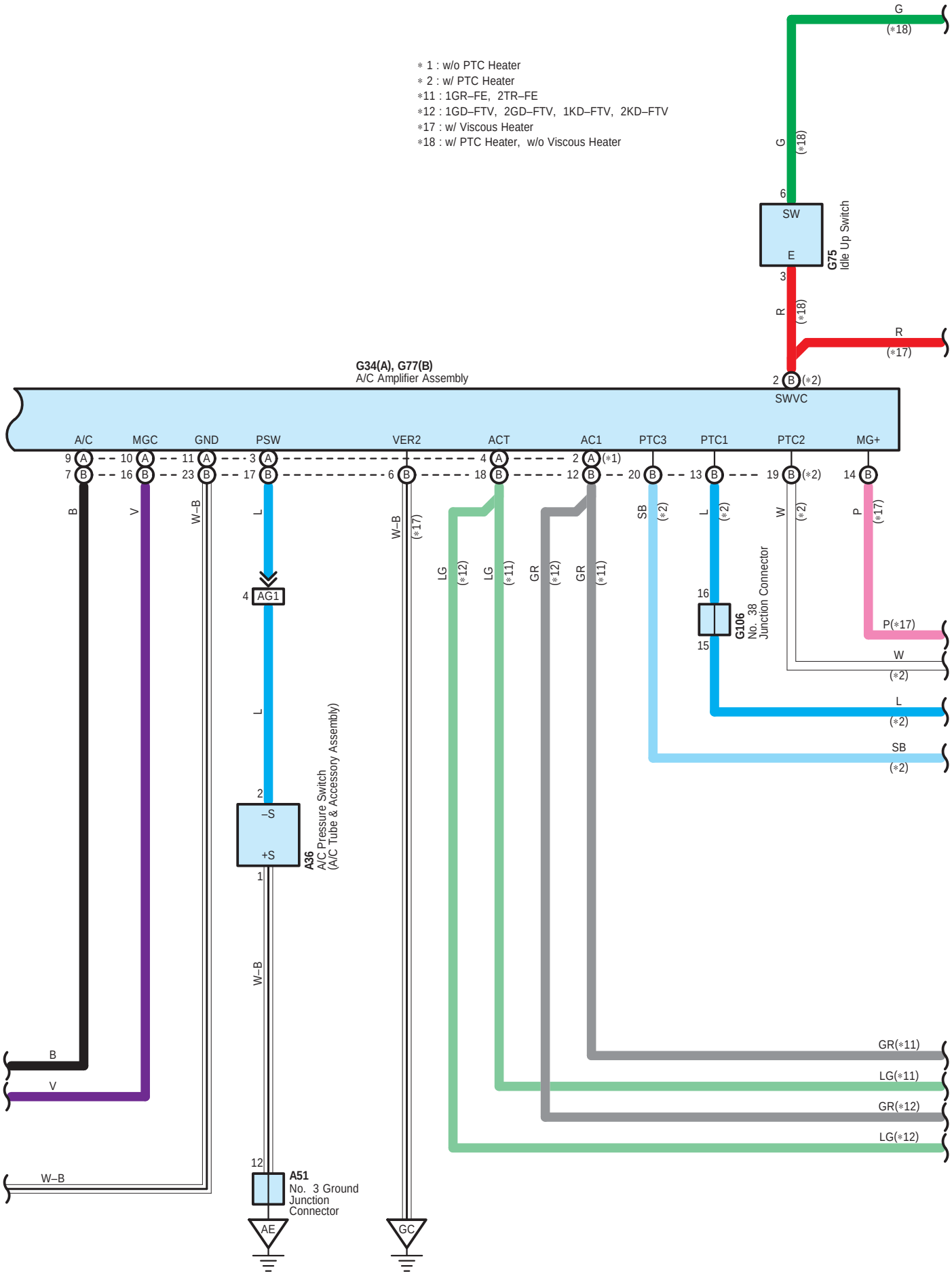
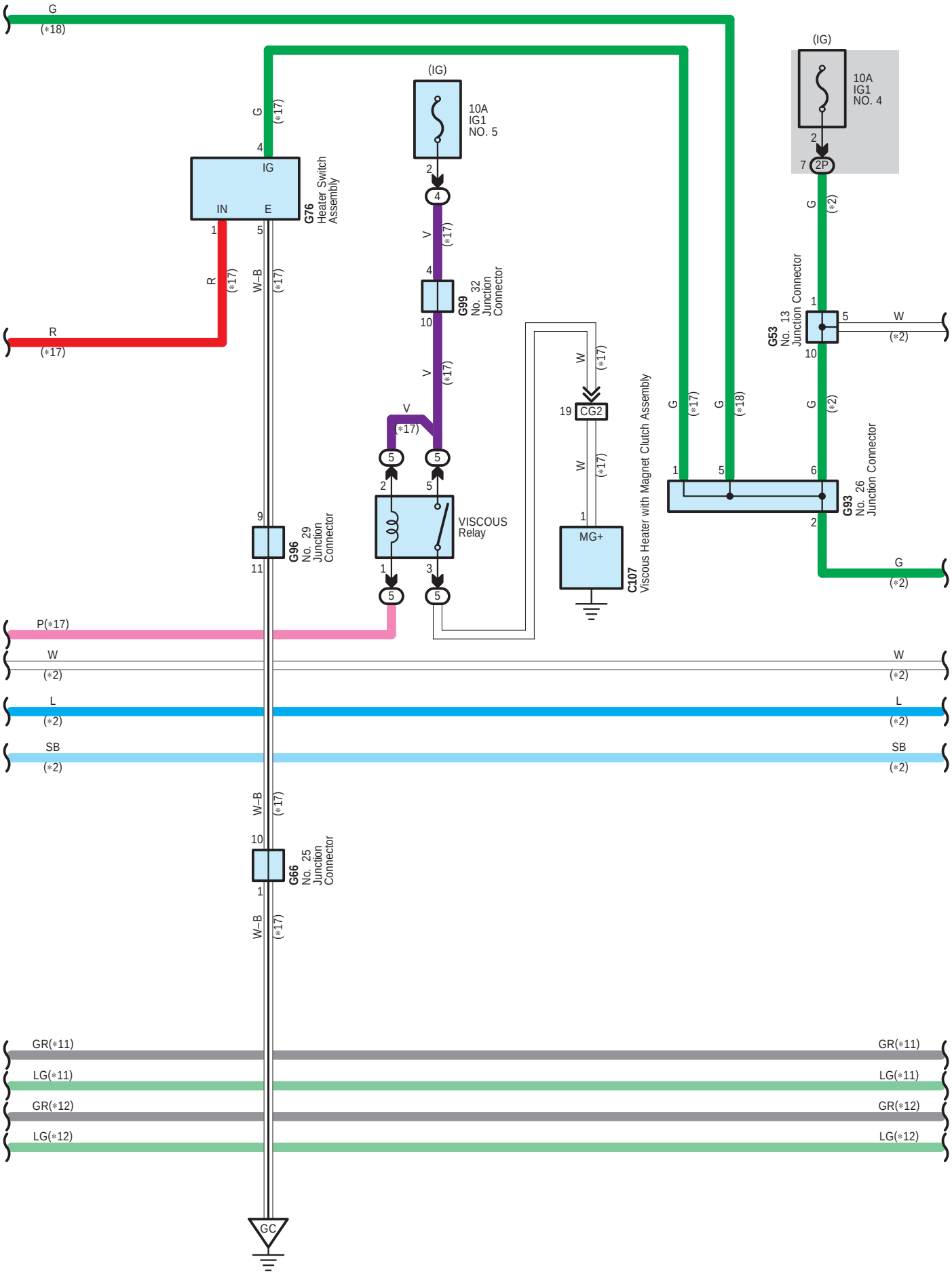
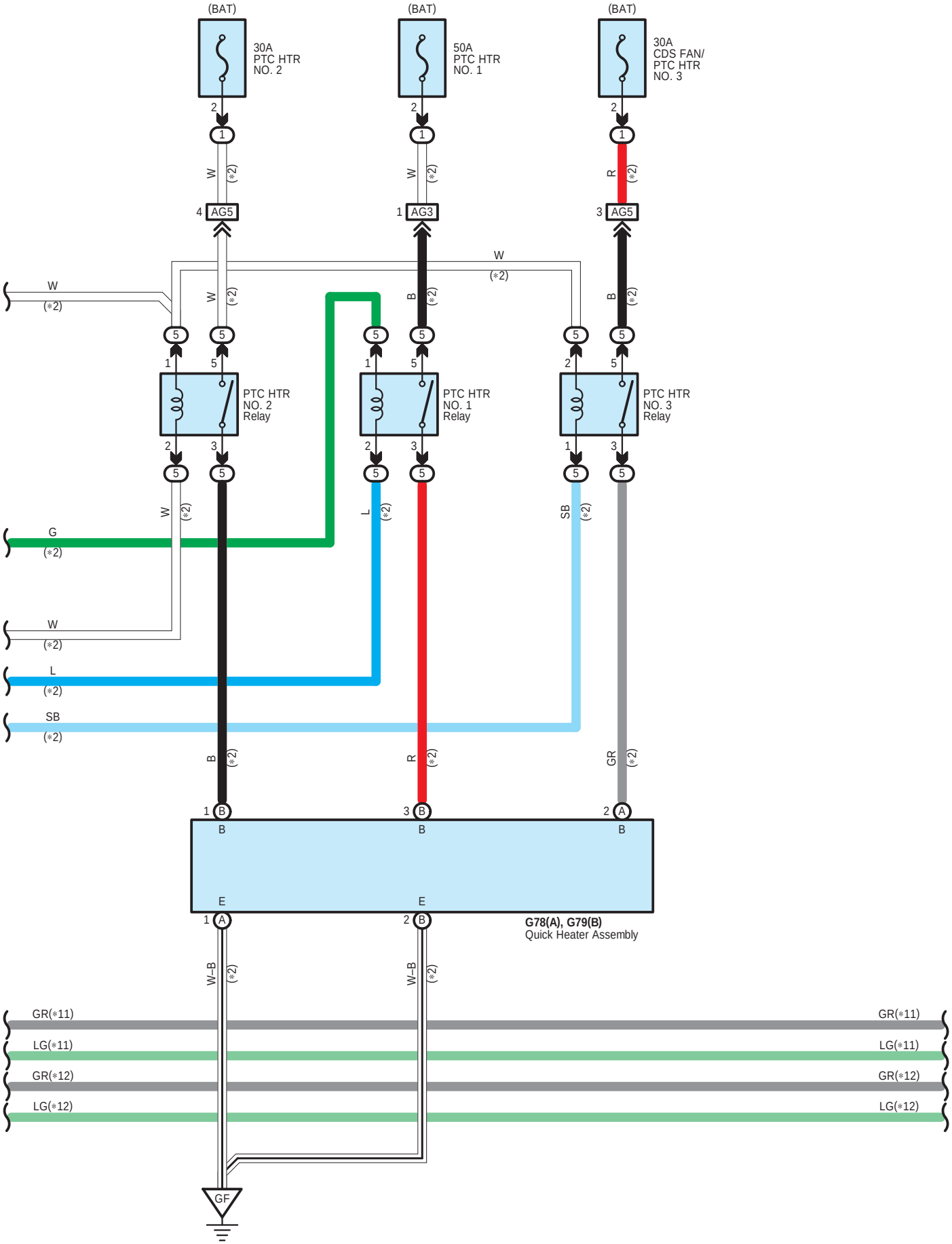

(IG)
(BAT)
10A
IG1
NO. 4
40A
HTR
2P
2F
G53
No. 13
Junction
Connector
HTR
Relay
10A
A/C
A/C
COMP
Relay
CG2
G6
Blower Motor with Fan
Sub–Assembly
C3
Compressor Assembly
MG+
GC
(*2)
G
W
V
R
B
W–B

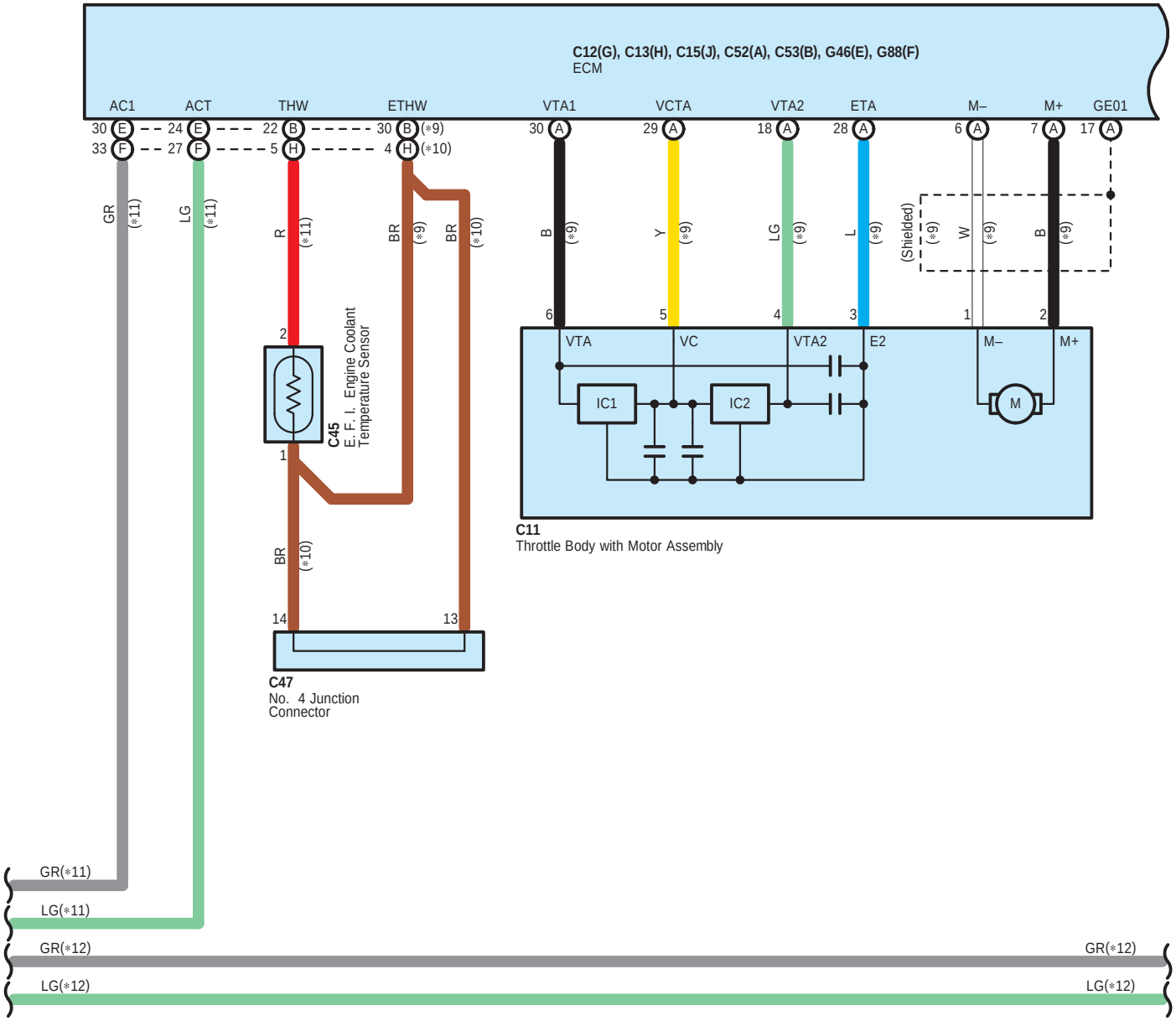

G
(*2)
(IG)
10A
IG1
NO. 4
2
7 2P
G
G53
No. 13 Junction Connector
1
4
G
G
(*2)
7 A (*1)
3 B
1 B (*2)
G34(A), G77(B)
A/C Amplifier Assembly
HEAT
IG+
B/V
TE
SG–2
12 A
6 A
5 A (*1)
4 B
5 B (*2)
SB
(*1)
P
L
14 GN2
SB
(*1)
9 GN2
P
(*1)
5
4
1
G29(A), G30(B)
A/C Control Assembly
G106
No. 38 Junction Connector
6
2
P
L
2
G25
No. 1
Cooler Thermistor
1
* 1 : w/o PTC Heater
* 2 : w/ PTC Heater
E
LO
M1
M2
HI
OFF
LO
M1
M2
HI
A/C Switch
LO
B
Free
Lock
B
E
LO
ACE
A/C
M1
M2
HI
4 B
5 A
9 A
2 B
5 B
8 A
10 A
6 A
G
W–B
R
R
B
L
B
W
3
2
M1
M2
G7
Blower Resistor
HI
E
4
1
19
20
18
G53
No. 13
Junction
Connector
R
W
W–B
G
W
B
V
V
R
W–B
GA
GC

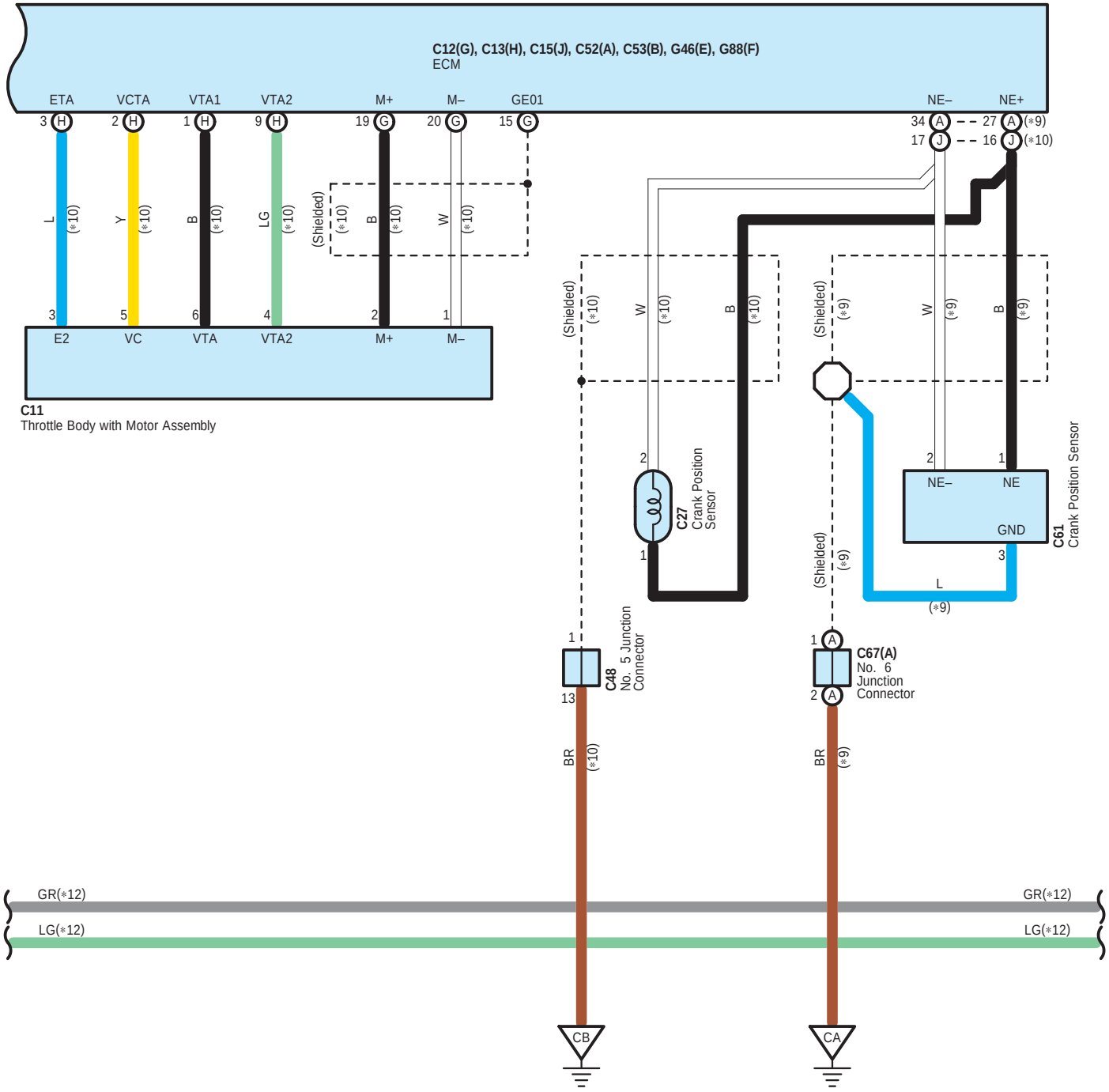

∗ 1 : w/o PTC Heater
∗ 2 : w/ PTC Heater
∗11 : 1GR–FE, 2TR–FE
∗12 : 1GD–FTV, 2GD–FTV, 1KD–FTV, 2KD–FTV
∗17 : w/ Viscous Heater
∗18 : w/ PTC Heater, w/o Viscous Heater
G (∗18)
G (∗18)
6
SW
E
G75
Idle Up Switch
3
R (∗18)
R (∗17)
2 B (∗2)
SWVC
G34(A), G77(B)
A/C Amplifier Assembly
A/C
MGC
GND
PSW
VER2
ACT
AC1
PTC3
PTC1
PTC2
MG+
9 A
7 B
10 A
16 B
11 A
23 B
3 A
17 B
6 B
4 A
18 B
2 A (∗1)
12 B
20 B
13 B
19 B (∗2)
14 B
B
V
W–B
L
W–B (∗17)
LG (∗12)
LG (∗11)
GR (∗12)
GR (∗11)
SB (∗2)
L (∗2)
W (∗2)
P (∗17)
4 AG1
L
2
–S
+S
1
A36
A/C Pressure Switch
(A/C Tube & Accessory Assembly)
W–B
16
15
G106
No. 38
Junction Connector
P(∗17)
W
(∗2)
L
(∗2)
SB
(∗2)
B
V
W–B
GR(∗11)
LG(∗11)
GR(∗12)
LG(∗12)
12
A51
No. 3 Ground
Junction
Connector
AE
GC


G
(*18)
(IG)
10A
IG1
NO. 5
(IG)
10A
IG1
NO. 4
G
(*17)
4
IG
IN
E
G76
Heater Switch
Assembly
1
5
R
(*17)
W–B
(*17)
R
(*17)
2
4
V
(*17)
4
G99
No. 32
Junction
Connector
10
V
(*17)
V
(*17)
5
5
2
5
VISCOUS
Relay
1
3
5
5
9
G96
No. 29
Junction
Connector
11
W
(*17)
19
CG2
W
(*17)
1
MG+
C107
Viscous Heater with Magnet Clutch Assembly
G
(*17)
G
(*18)
1
5
6
2
G93
No. 26
Junction
Connector
2
7
2P
G
(*2)
G53
No. 13
Junction
Connector
1
5
W
(*2)
10
G
(*2)
G
(*2)
P(*17)
W
(*2)
W
(*2)
L
(*2)
L
(*2)
SB
(*2)
SB
(*2)
W–B
(*17)
10
G66
No. 25
Junction
Connector
1
W–B
(*17)
GR(*11)
GR(*11)
LG(*11)
LG(*11)
GR(*12)
GR(*12)
LG(*12)
LG(*12)
GC

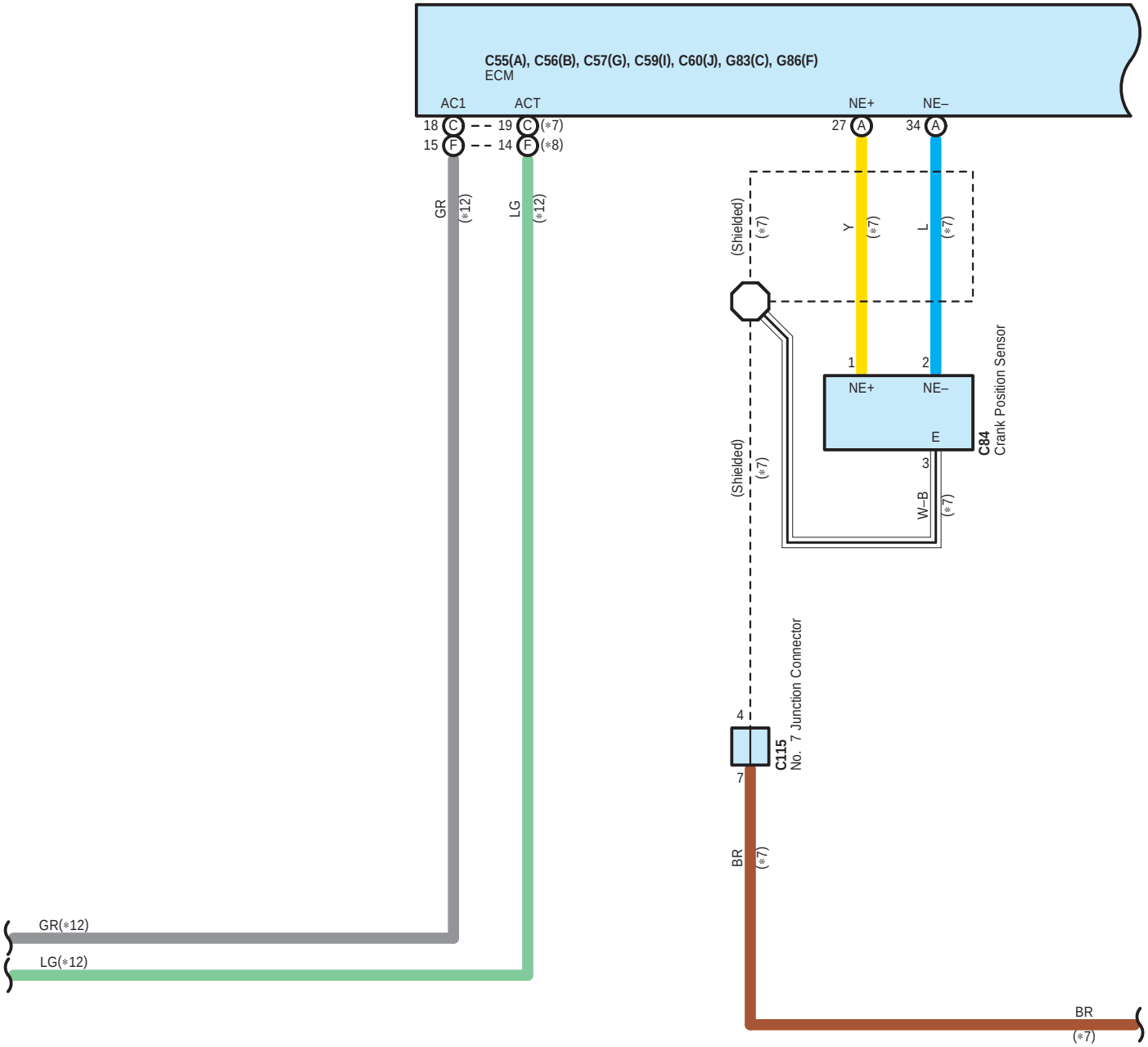

(BAT)
30A
PTC HTR
NO. 2
(BAT)
50A
PTC HTR
NO. 1
(BAT)
30A
CDS FAN/
PTC HTR
NO. 3
AG5
AG3
AG5
PTC HTR
NO. 2
Relay
PTC HTR
NO. 1
Relay
PTC HTR
NO. 3
Relay
G78(A), G79(B)
Quick Heater Assembly
GR(∗11)
LG(∗11)
GR(∗12)
LG(∗12)
GF

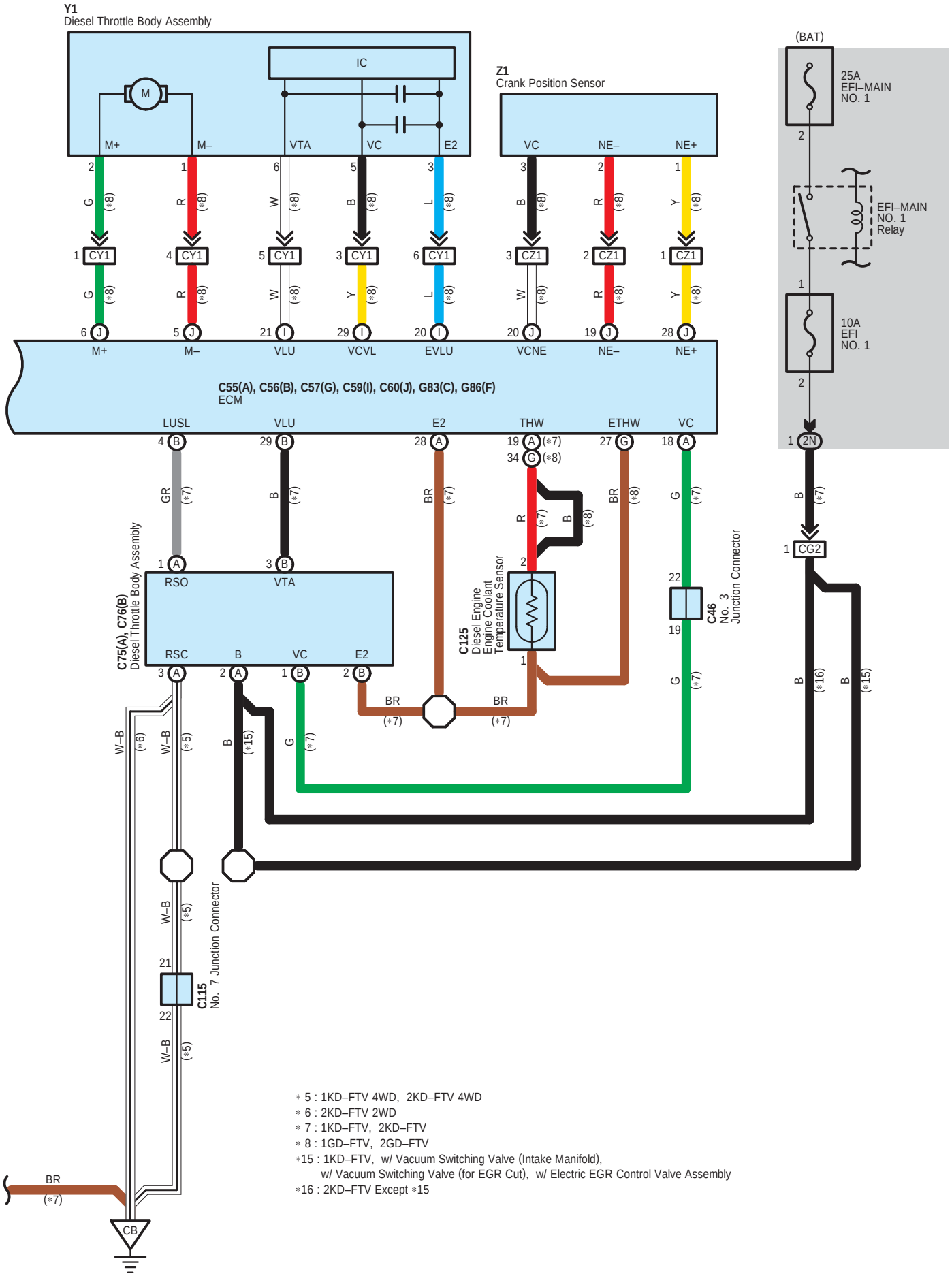
∗ 2 : w/ PTC Heater
∗ 9 : 2TR–FE
∗10 : 1GR–FE
∗11 : 1GR–FE, 2TR–FE
∗12 : 1GD–FTV, 2GD–FTV, 1KD–FTV, 2KD–FTV



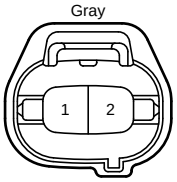

C12(G), C13(H), C15(J), C52(A), C53(B), G46(E), G88(F)
ECM
ETA
VCTA
VTA1
VTA2
M+
M–
GE01
NE–
NE+
3 H
2 H
1 H
9 H
19 G
20 G
15 G
34 A
27 A (*9)
17 J
16 J (*10)
L (*10)
Y (*10)
B (*10)
LG (*10)
(Shielded) (*10)
B (*10)
W (*10)
3
5
6
4
2
1
E2
VC
VTA
VTA2
M+
M–
C11
Throttle Body with Motor Assembly
(Shielded) (*10)
W (*10)
B (*10)
(Shielded) (*9)
W (*9)
B (*9)
2
1
C27
Crank Position Sensor
2
1
NE–
NE
GND
3
C61
Crank Position Sensor
(Shielded) (*9)
L (*9)
1
13
C48
No. 5 Junction Connector
1 A
2 A
C67(A)
No. 6 Junction Connector
BR (*10)
BR (*9)
GR(*12)
LG(*12)
GR(*12)
LG(*12)
CB
CA

∗ 7 : 1KD–FTV, 2KD–FTV
∗ 8 : 1GD–FTV, 2GD–FTV
∗ 9 : 2TR–FE
∗10 : 1GR–FE
∗12 : 1GD–FTV, 2GD–FTV, 1KD–FTV, 2KD–FTV



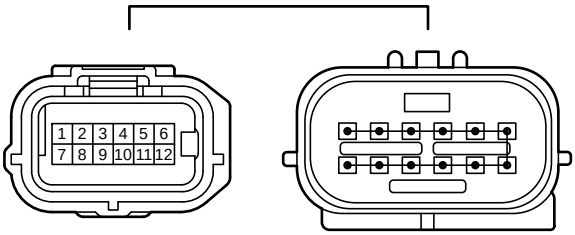

Y1
Diesel Throttle Body Assembly
IC
M
M+
M–
VTA
VC
E2
Z1
Crank Position Sensor
VC
NE–
NE+
(BAT)
25A
EFI–MAIN
NO. 1
EFI–MAIN
NO. 1
Relay
10A
EFI
NO. 1
CY1
CZ1
C55(A), C56(B), C57(G), C59(I), C60(J), G83(C), G86(F)
ECM
M+
M–
VLU
VCVL
EVLU
VCNE
NE–
NE+
LUSL
VLU
E2
THW
ETHW
VC
2N
CG2
C75(A), C76(B)
Diesel Throttle Body Assembly
RSO
VTA
RSC
B
VC
E2
C125
Diesel Engine
Engine Coolant
Temperature Sensor
C46
No. 3
Junction Connector
C115
No. 7 Junction Connector
CB
∗ 5 : 1KD–FTV 4WD, 2KD–FTV 4WD
∗ 6 : 2KD–FTV 2WD
∗ 7 : 1KD–FTV, 2KD–FTV
∗ 8 : 1GD–FTV, 2GD–FTV
∗15 : 1KD–FTV, w/ Vacuum Switching Valve (Intake Manifold),
w/ Vacuum Switching Valve (for EGR Cut), w/ Electric EGR Control Valve Assembly
∗16 : 2KD–FTV Except ∗15

A36
Gray



90980-11149

A51
Black

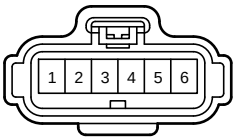


90980-12356

C3
Gray

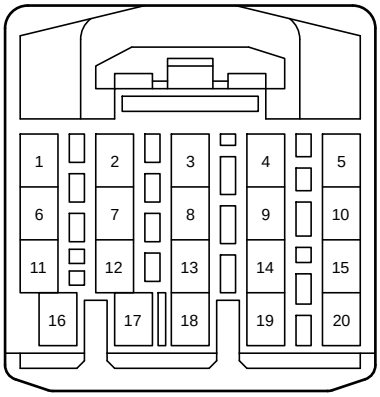
90980-11271

C11
Black



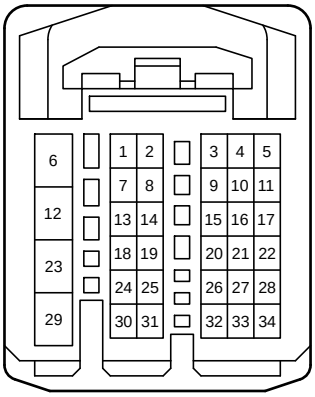
90980-11858

C12
White



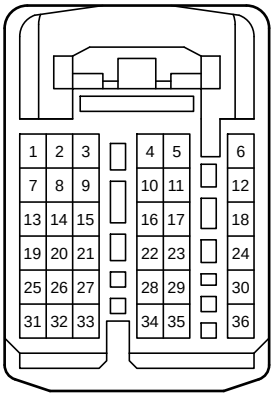
82824-26160

C13
White



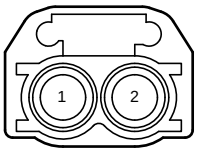
82824-26150

C15
White



82824-26130

C27
Black

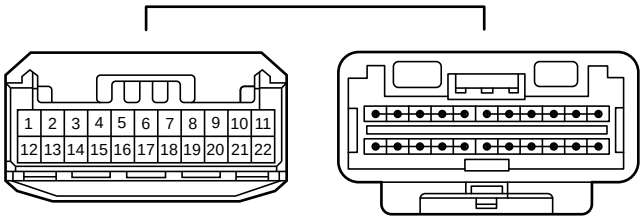


90980-12028

C45
Black

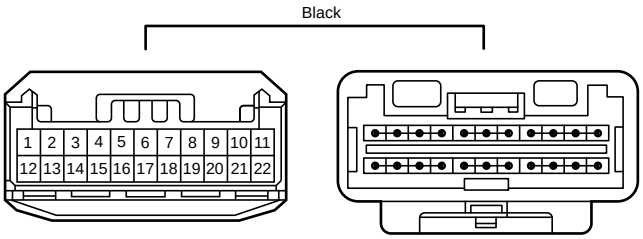
90980-10735

C46
Black



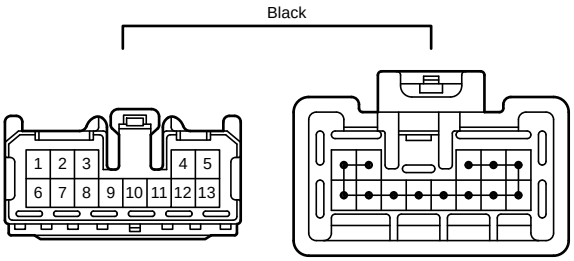
90980-12B54

C47
Black



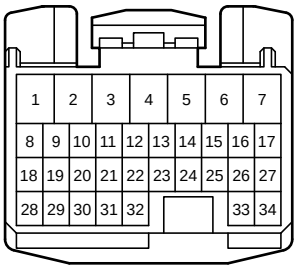
90980-12B54

C48
Black



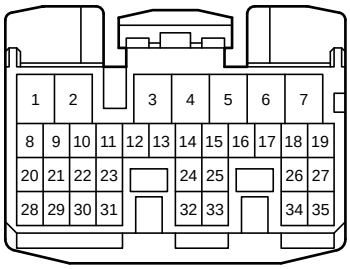
90980-11542

C52
White



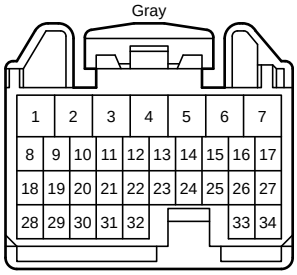
90980-12527

C53
White



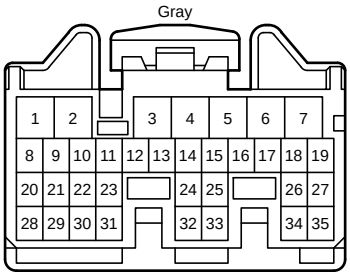
90980-12528

C55
Gray



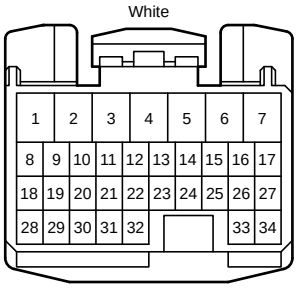
90980-12456

C56
Gray



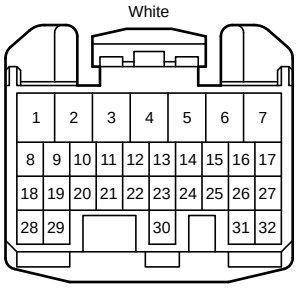
90980-12454

C57
White



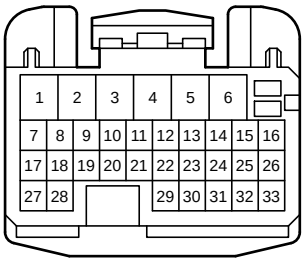
90980-12527

C59
White



90980-12526

C60
White

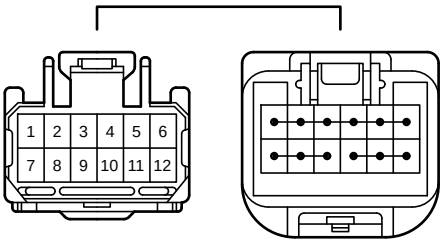


90980-12700

C61
Gray

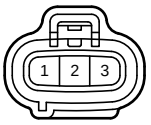
90980-11016

C67
Black



90980-11661

C75
Black

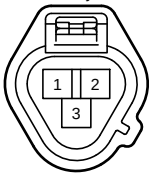


90980-11145

C76
Black

90980-11261

C84
Gray

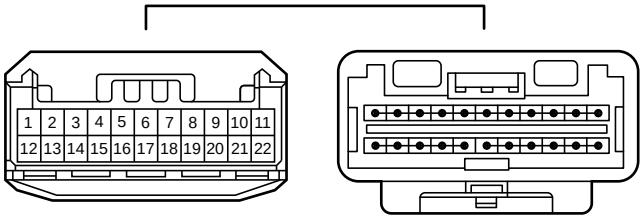


90980-11016

C107
Gray

90980-11271

C115
Black

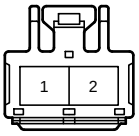


90980-12B54

C125
Black

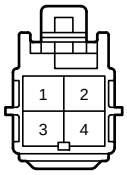
90980-10735

G6
Black



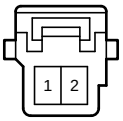
90980-11579

G7
Black



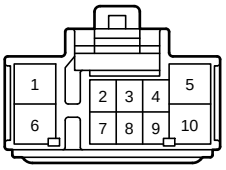
90980-11136

G25
White



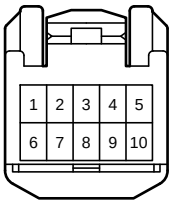
90980-12937

G29
Black



90980-10993

G30
Black



90980-12361

G34
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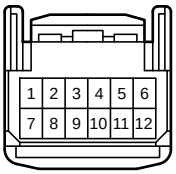

90980-12552

G46
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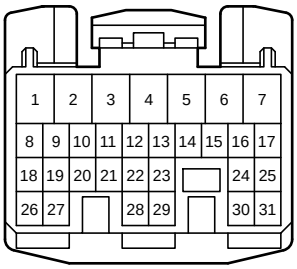

90980-12525

G53
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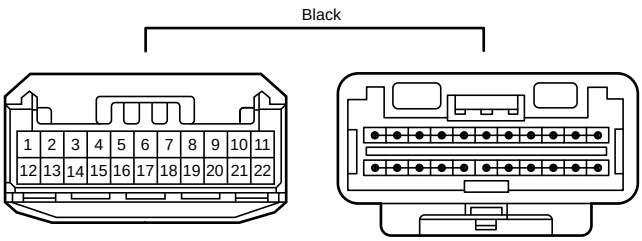

90980-12B54

G66
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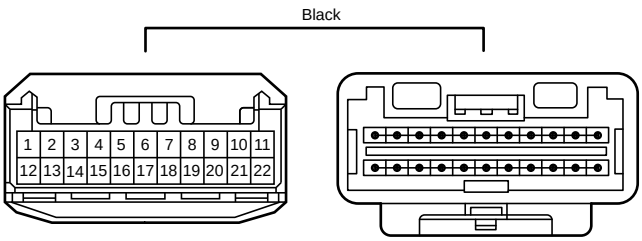

90980-12B54

G75
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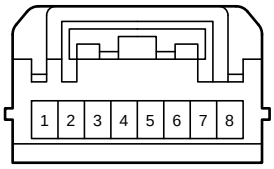

90980-12550

G76
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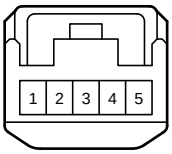

90980-12366

G77
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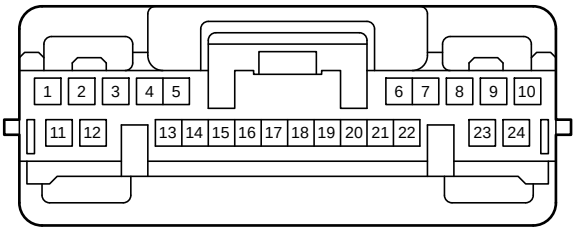

90980-12912

G78
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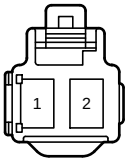

90980-10903

G79
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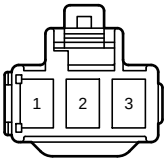

90980-10956

G83
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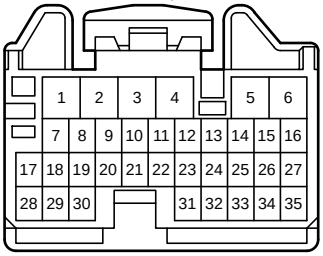

90980-12455

G86
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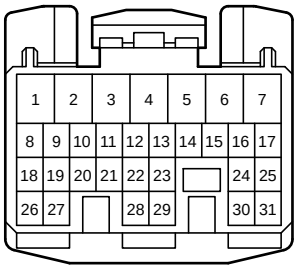

90980-12525

G88
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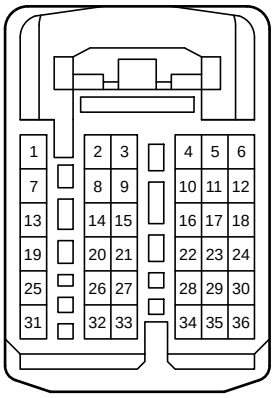

82824-26120

G93
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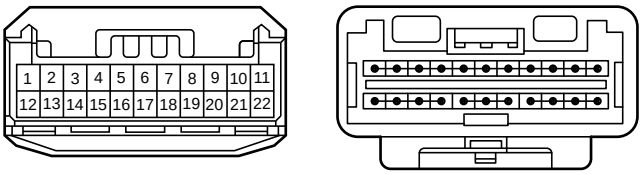

90980-12B54

G96
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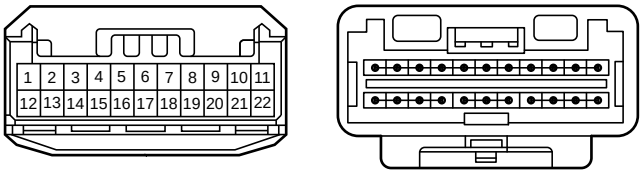

90980-12B54

G99
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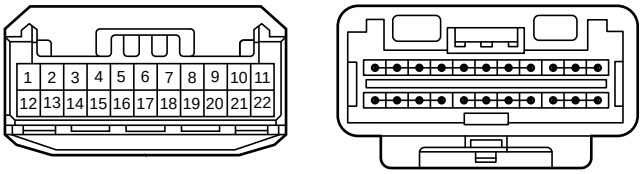

90980-12B54

G106
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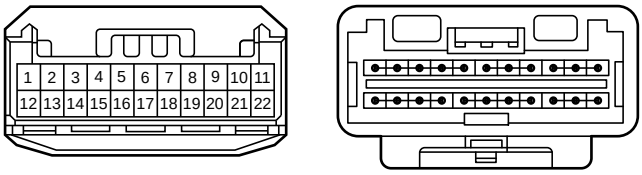

90980-12B54

Y1
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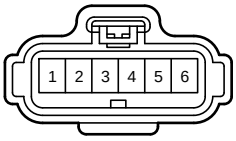

90980-11858

Z1
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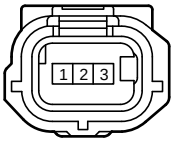

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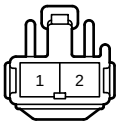

90980-10916

2N
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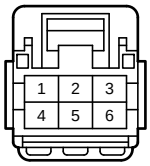

90980-12A61

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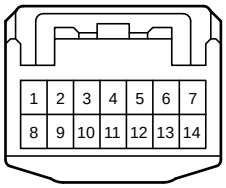
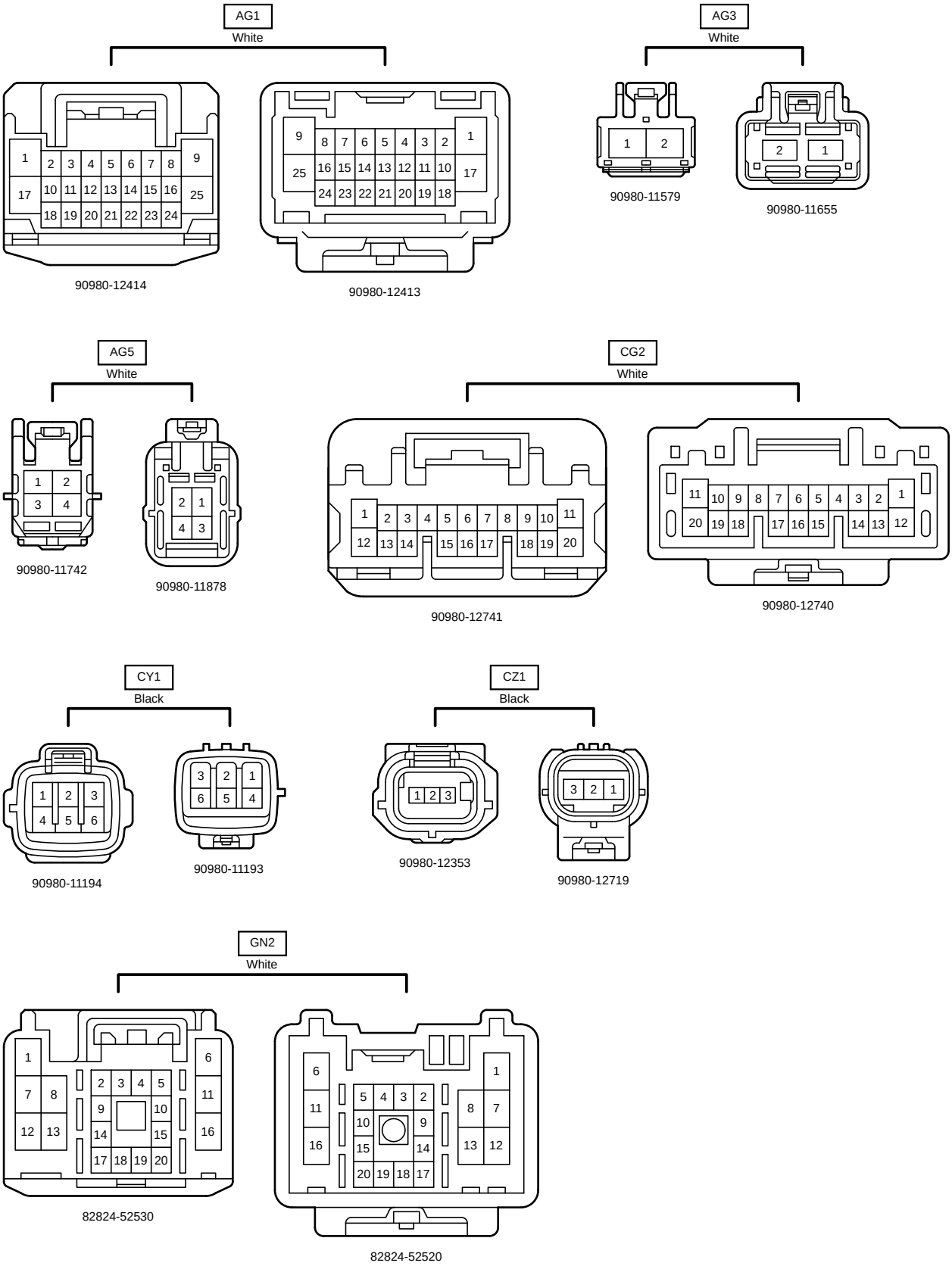


90980-12370


AG1
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AG3
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AG5
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90980-11742
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CG2
White
90980-12741
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CY1
Black
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CZ1
Black
90980-12353
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GN2
White
82824-52530
82824-52520