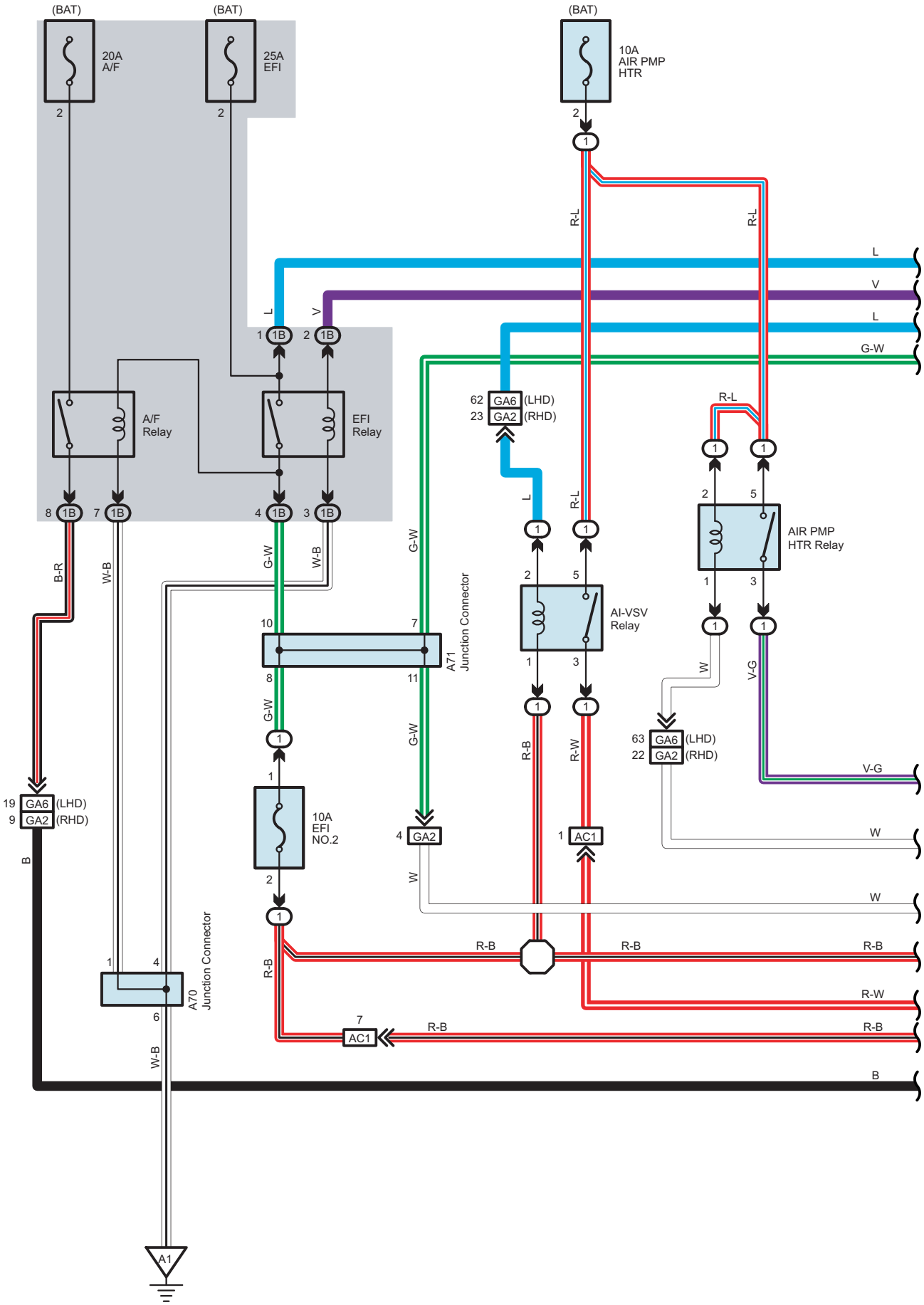
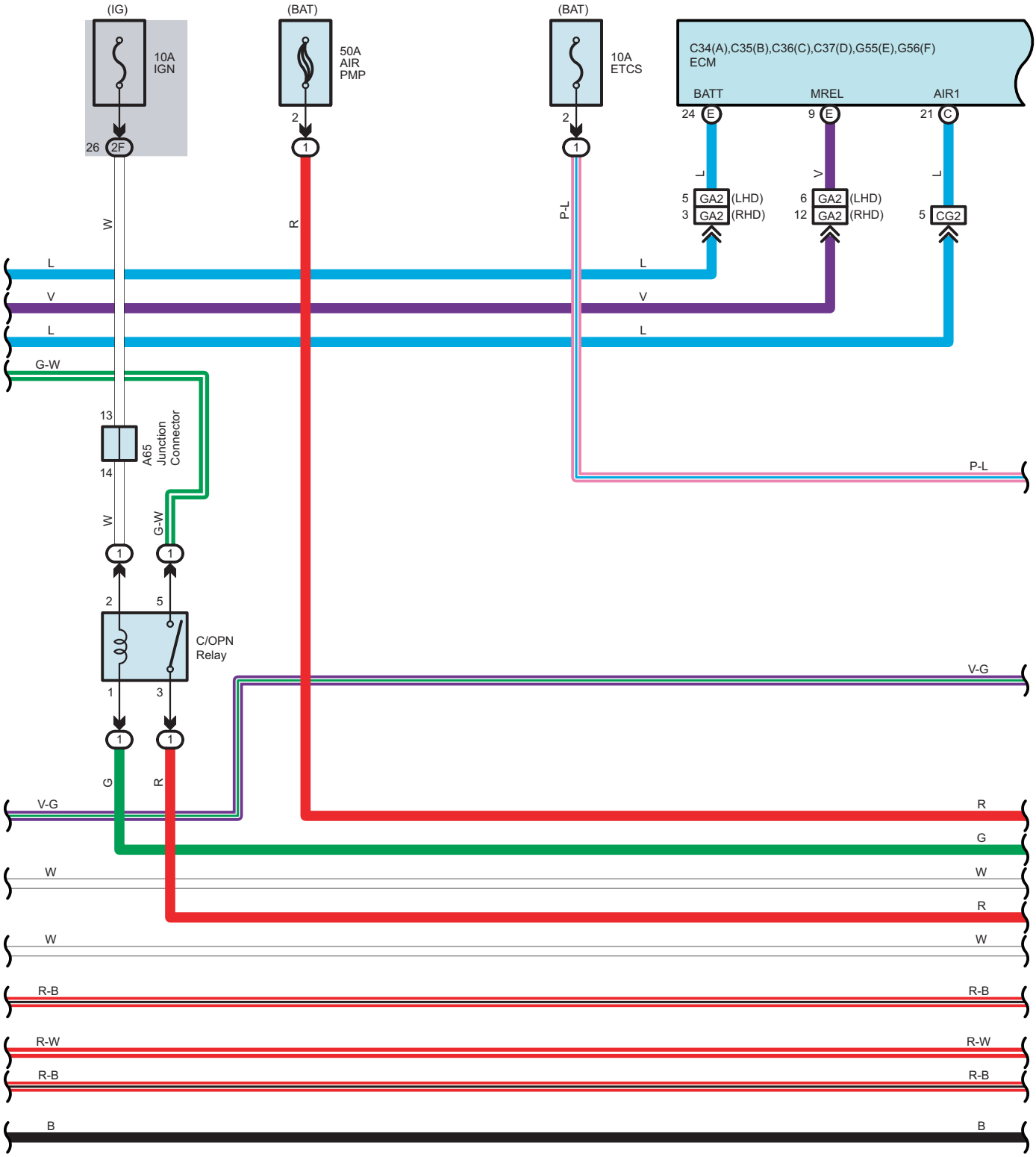
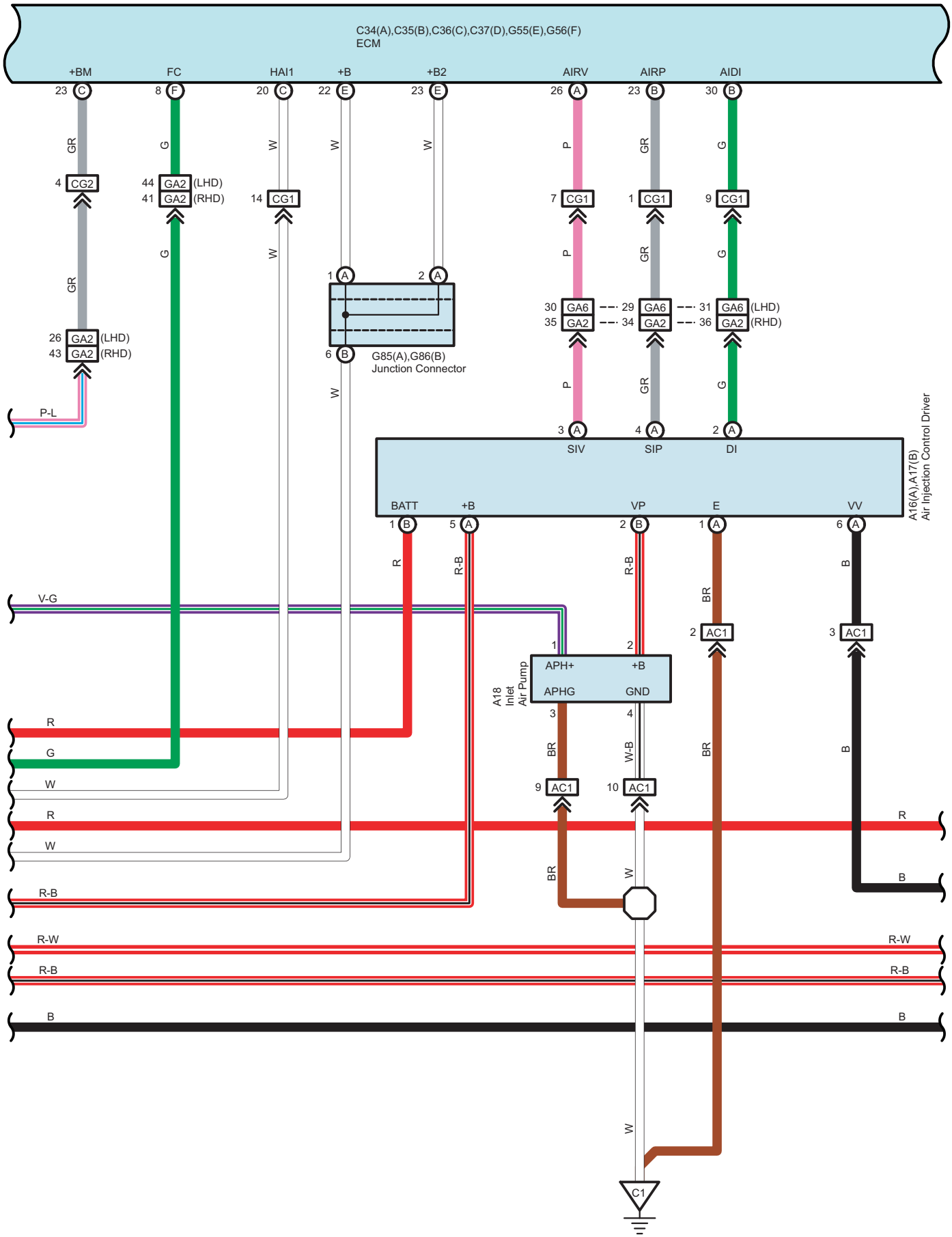
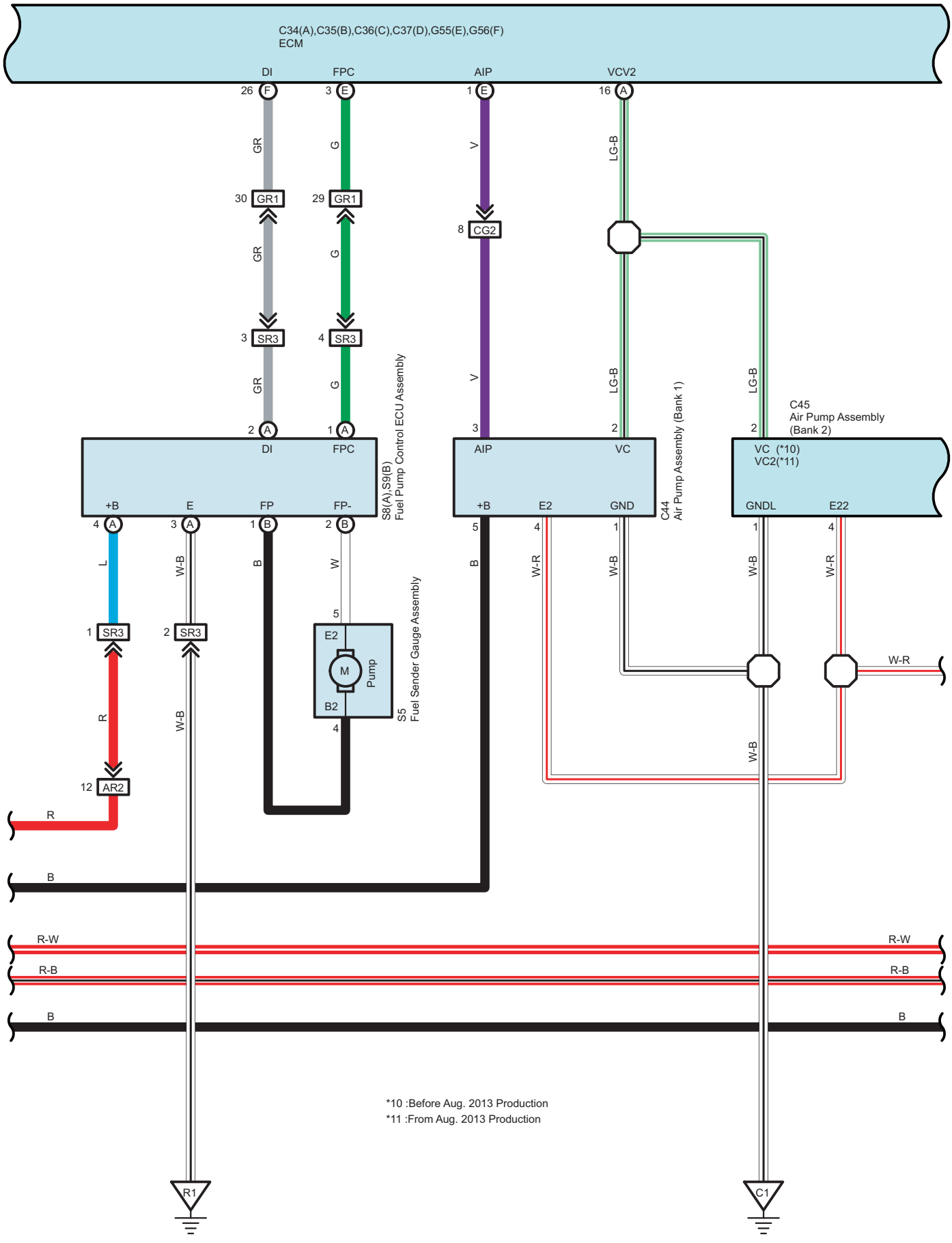
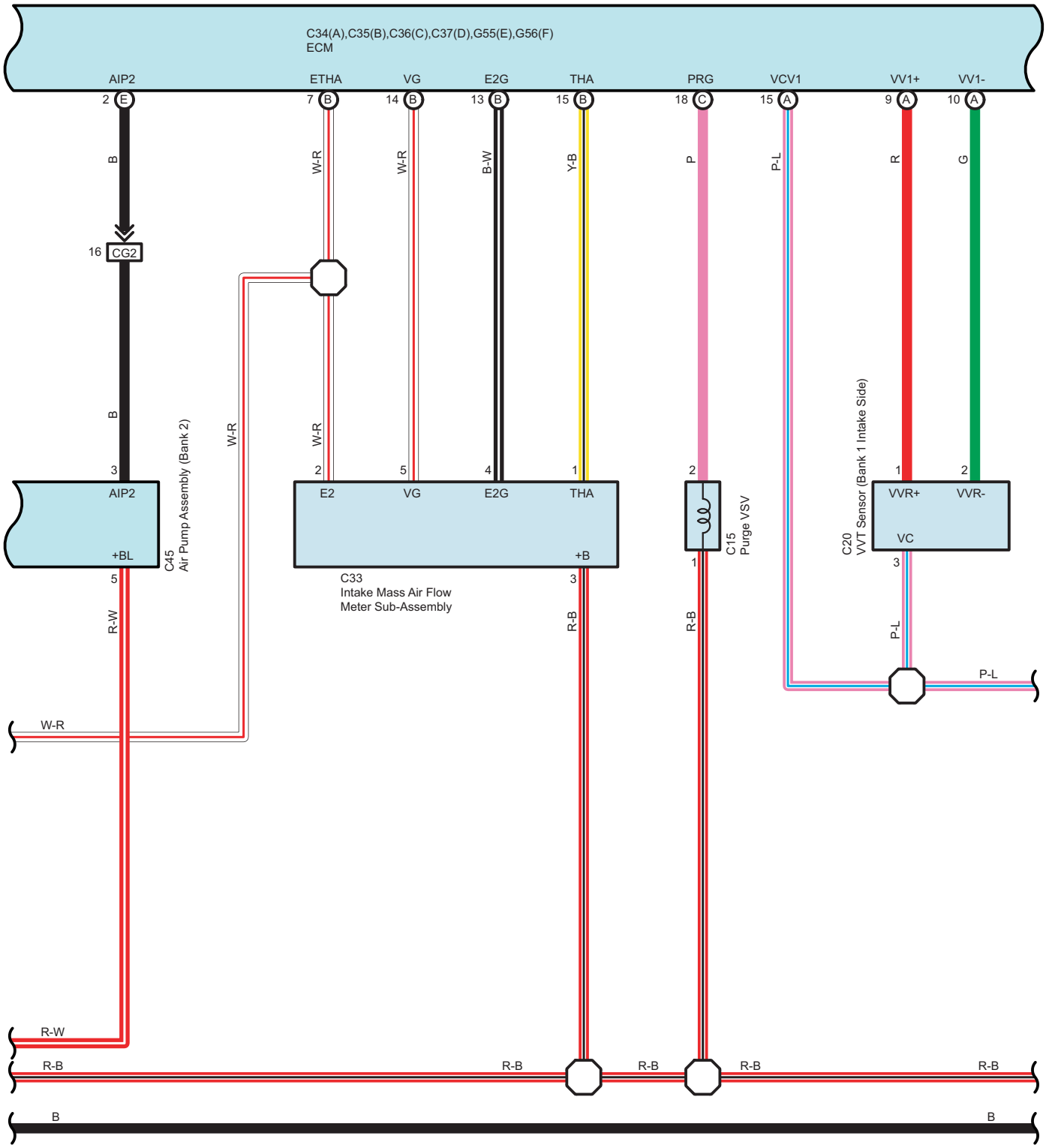
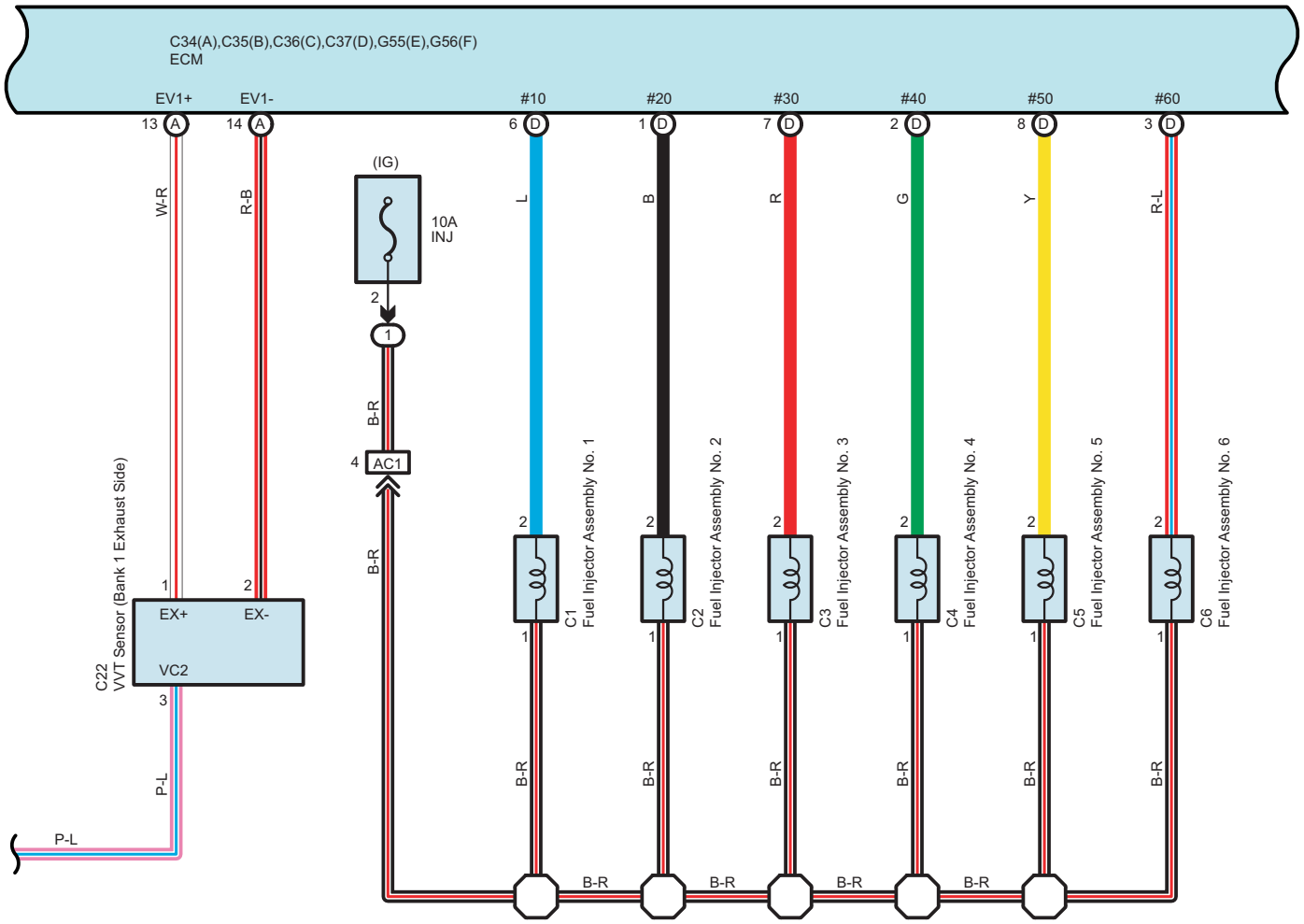

(BAT)
20A
A/F
2
(BAT)
25A
EFI
2
(BAT)
10A
AIR PMP
HTR
2
1
R-L
R-L
L
V
L
G-W
L
V
1 1B
2 1B
A/F
Relay
EFI
Relay
8 1B
7 1B
4 1B
3 1B
62 GA6 (LHD)
23 GA2 (RHD)
L
R-L
R-L
2
5
AIR PMP
HTR Relay
1
3
B-R
W-B
G-W
W-B
G-W
10
7
8
11
A71
Junction Connector
2
5
AI-VSV
Relay
1
3
W
V-G
G-W
G-W
1
1
1
10A
EFI
NO.2
2
4 GA2
1 AC1
R-B
R-W
63 GA6 (LHD)
22 GA2 (RHD)
V-G
W
19 GA6 (LHD)
9 GA2 (RHD)
B
W
W
R-B
R-B
R-B
R-W
1
4
6
A70
Junction Connector
W-B
7
AC1
R-B
R-B
B
A1


(IG)
10A
IGN
26
2F
(BAT)
50A
AIR
PMP
2
1
(BAT)
10A
ETCS
2
1
C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
BATT
MREL
AIR1
24
E
9
E
21
C
5
GA2
(LHD)
3
GA2
(RHD)
6
GA2
(LHD)
12
GA2
(RHD)
5
CG2
W
R
P-L
L
V
L
G-W
13
14
A65
Junction
Connector
W
G-W
2
5
C/OPN
Relay
1
3
G
R
V-G
R
G
W
W
R
W
W
R-B
R-B
R-W
R-W
R-B
R-B
B
B

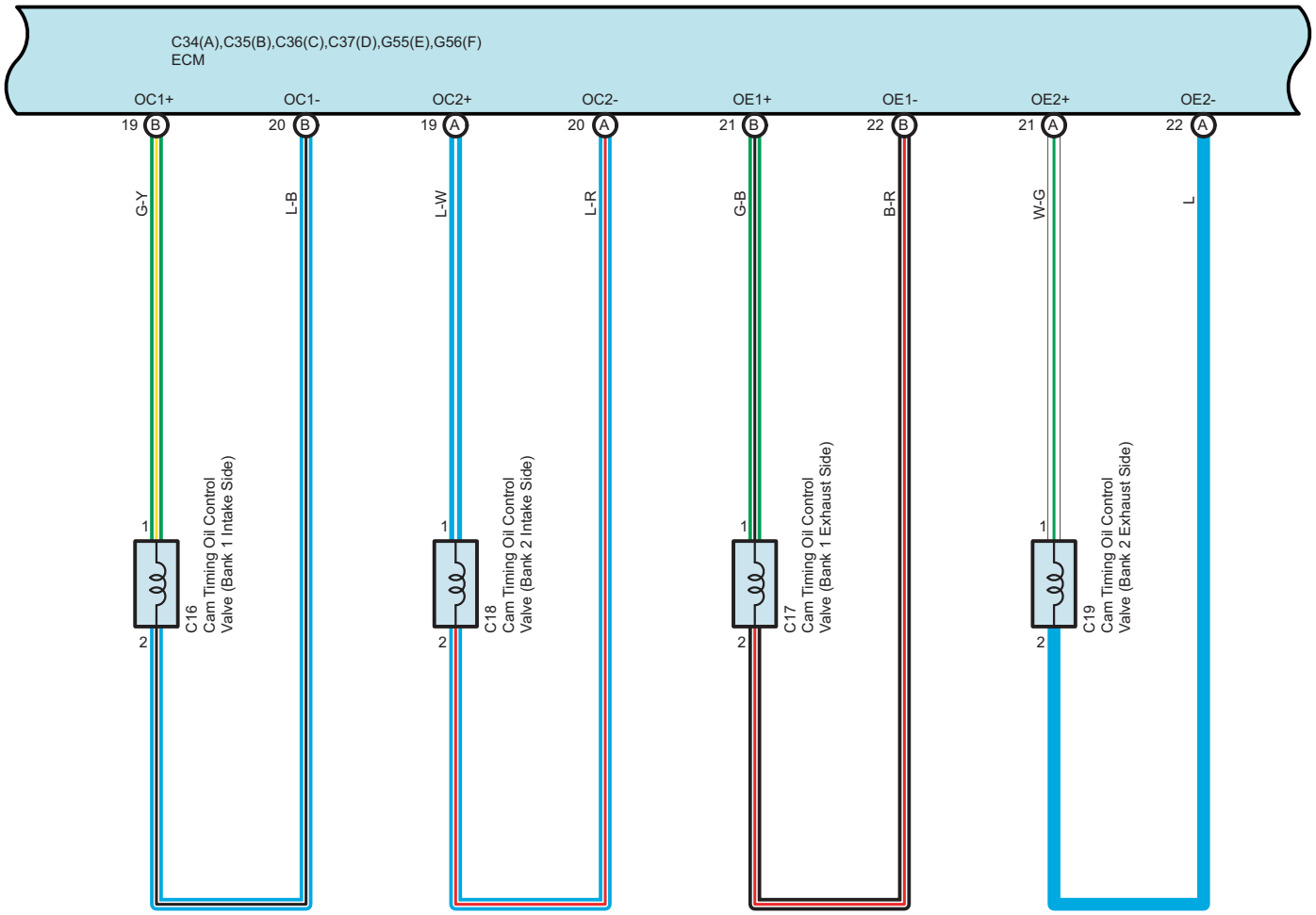

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
+BM
FC
HAI1
+B
+B2
AIRV
AIRP
AIDI
23 C
8 F
20 C
22 E
23 E
26 A
23 B
30 B
GR
G
W
P
4 CG2
44 GA2 (LHD)
41 GA2 (RHD)
14 CG1
7 CG1
1 CG1
9 CG1
26 GA2 (LHD)
43 GA2 (RHD)
P-L
1 A
2 A
6 B
G85(A),G86(B)
Junction Connector
30 GA6
35 GA2
29 GA6
34 GA2
31 GA6 (LHD)
36 GA2 (RHD)
3 A
4 A
2 A
SIV
SIP
DI
A16(A),A17(B)
Air Injection Control Driver
BATT
+B
VP
E
VV
1 B
5 A
2 B
1 A
6 A
R
R-B
V-G
G
W
B
BR
2 AC1
3 AC1
1
2
APH+
+B
APHG
GND
A18
Inlet
Air Pump
3
4
9 AC1
10 AC1
W-B
W
R-W


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
DI
FPC
AIP
VCV2
26 F
3 E
1 E
16 A
GR
G
V
LG-B
30 GR1
29 GR1
8 CG2
3 SR3
4 SR3
2 A
1 A
3
2
S8(A),S9(B)
Fuel Pump Control ECU Assembly
C45
Air Pump Assembly
(Bank 2)
+B
E
FP
FP-
AIP
VC
VC (*10)
VC2(*11)
GNDL
E22
4 A
3 A
1 B
2 B
5
4
1
1
2
L
W-B
B
W
B
W-R
W-B
W-B
W-R
1 SR3
2 SR3
5
E2
M
Pump
B2
4
S5
Fuel Sender Gauge Assembly
C44
Air Pump Assembly (Bank 1)
R
W-B
12 AR2
R
B
R-W
R-B
B
R-W
R-B
B
*10 :Before Aug. 2013 Production
*11 :From Aug. 2013 Production
R1
C1

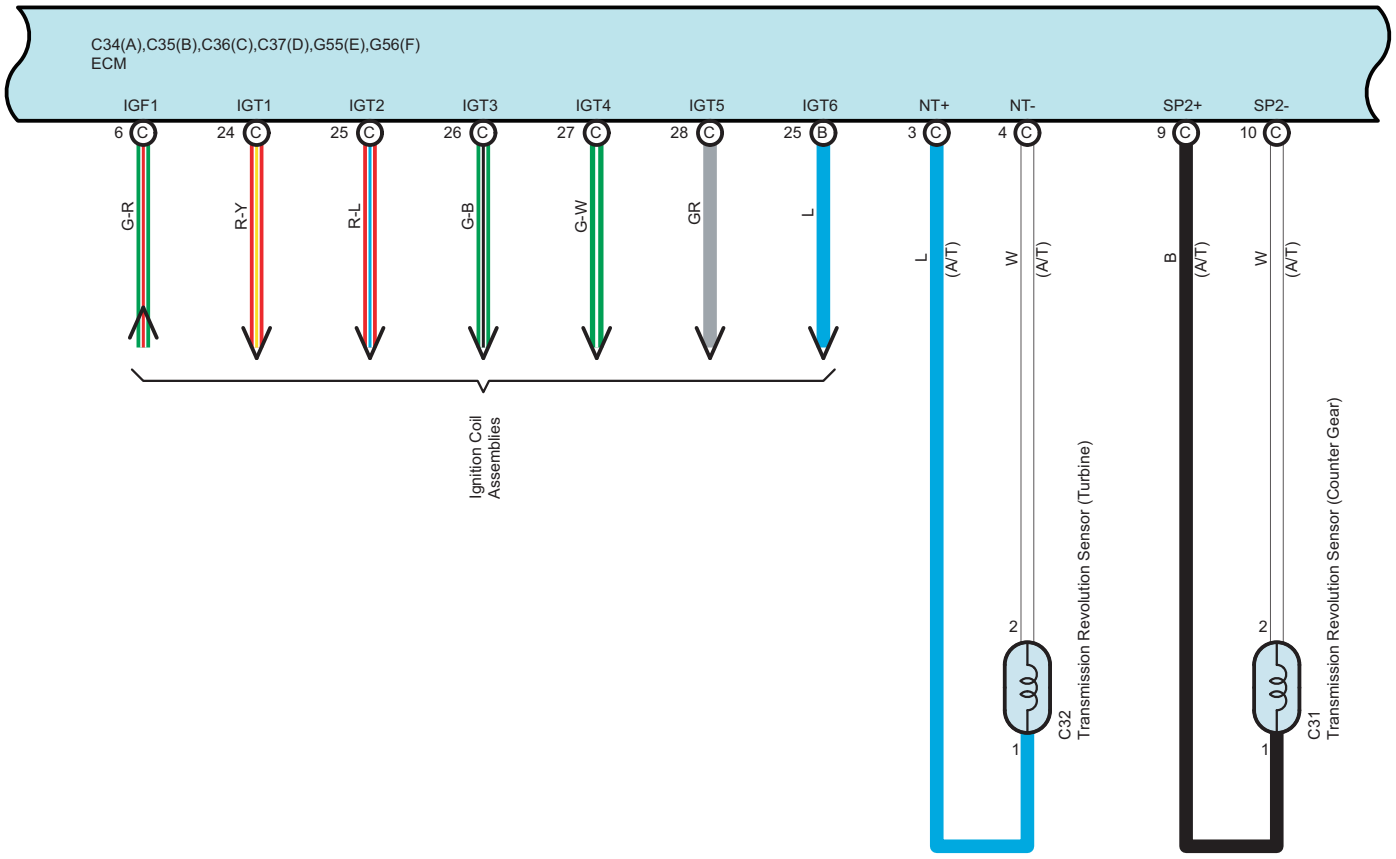

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
AIP2
ETHA
VG
E2G
THA
PRG
VCV1
VV1+
VV1-
2 E
7 B
14 B
13 B
15 B
18 C
15 A
9 A
10 A
B
W-R
W-R
B-W
Y-B
P
P-L
R
G
16 CG2
B
3
W-R
W-R
2
5
4
1
2
1
2
AIP2
+BL
C45
Air Pump Assembly (Bank 2)
E2
VG
E2G
THA
+B
C33
Intake Mass Air Flow
Meter Sub-Assembly
C15
Purge VSV
C20
VVT Sensor (Bank 1 Intake Side)
VVR+
VVR-
VC
5
3
1
3
R-W
R-B
R-B
P-L
P-L
W-R
R-W
R-B
R-B
R-B
R-B
R-B
B
B


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
EV1+
EV1-
#10
#20
#30
#40
#50
#60
13 A
14 A
6 D
1 D
7 D
2 D
8 D
3 D
W-R
R-B
L
B
R
G
Y
R-L
(IG)
10A
INJ
2
1
B-R
4 AC1
B-R
C22
VVT Sensor (Bank 1 Exhaust Side)
1
2
EX+
EX-
VC2
3
P-L
P-L
2
1
C1
Fuel Injector Assembly No. 1
C2
Fuel Injector Assembly No. 2
C3
Fuel Injector Assembly No. 3
C4
Fuel Injector Assembly No. 4
C5
Fuel Injector Assembly No. 5
C6
Fuel Injector Assembly No. 6
B-R
B-R
B-R
B-R
B-R
B-R

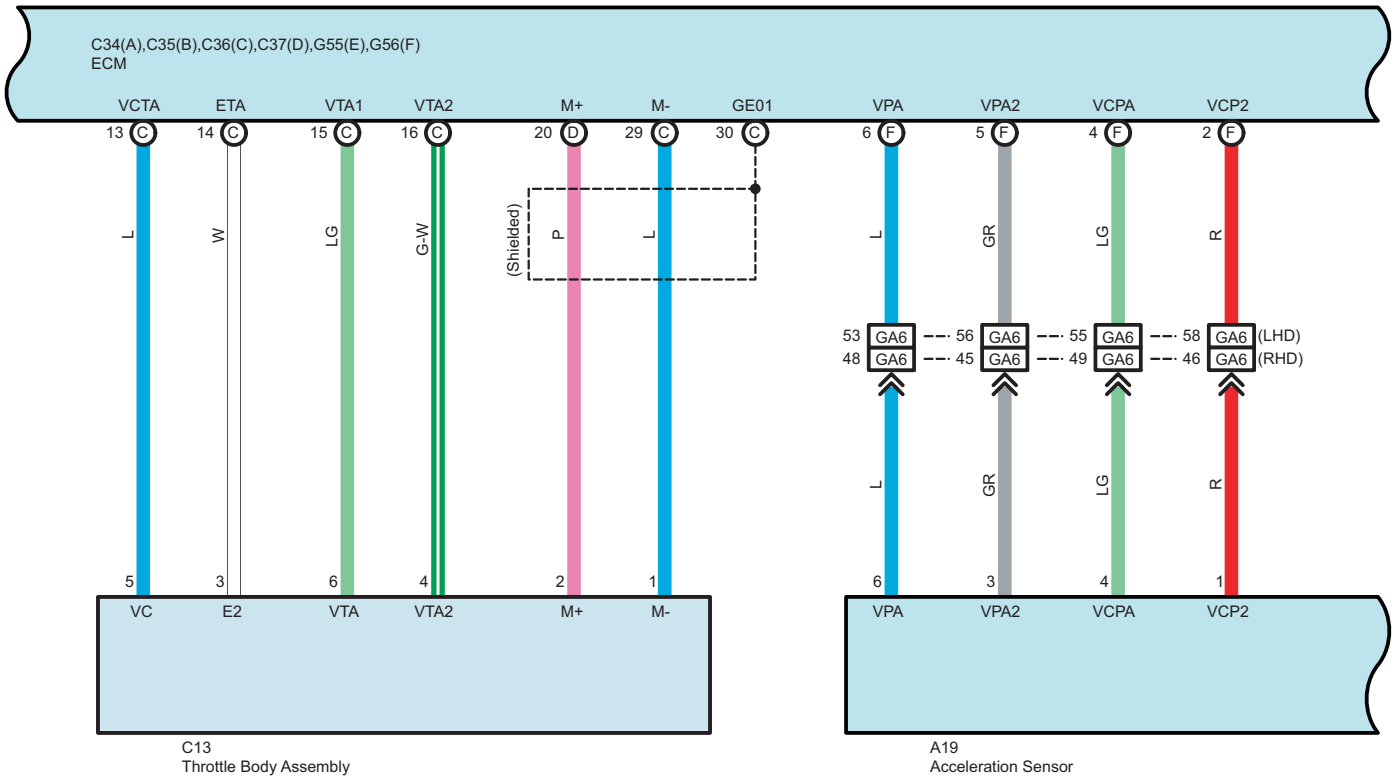

R-B
R-B
B
B


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
OC1+
OC1-
OC2+
OC2-
OE1+
OE1-
OE2+
OE2-
19 B
20 B
19 A
20 A
21 B
22 B
21 A
22 A
G-Y
L-B
L-W
L-R
G-B
B-R
W-G
L
1
2
C16
Cam Timing Oil Control Valve (Bank 1 Intake Side)
C18
Cam Timing Oil Control Valve (Bank 2 Intake Side)
C17
Cam Timing Oil Control Valve (Bank 1 Exhaust Side)
C19
Cam Timing Oil Control Valve (Bank 2 Exhaust Side)

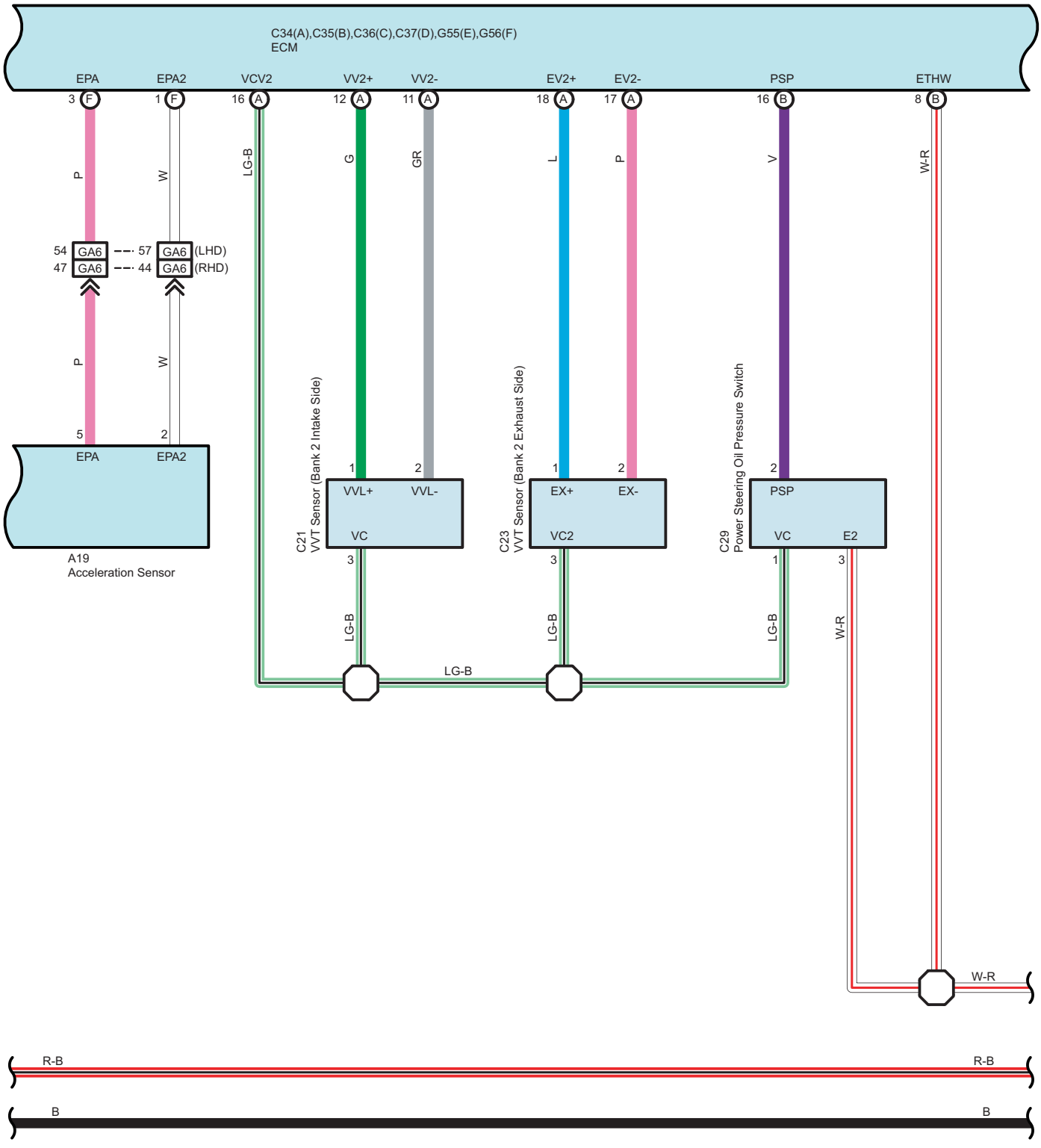

R-B
R-B
B
B

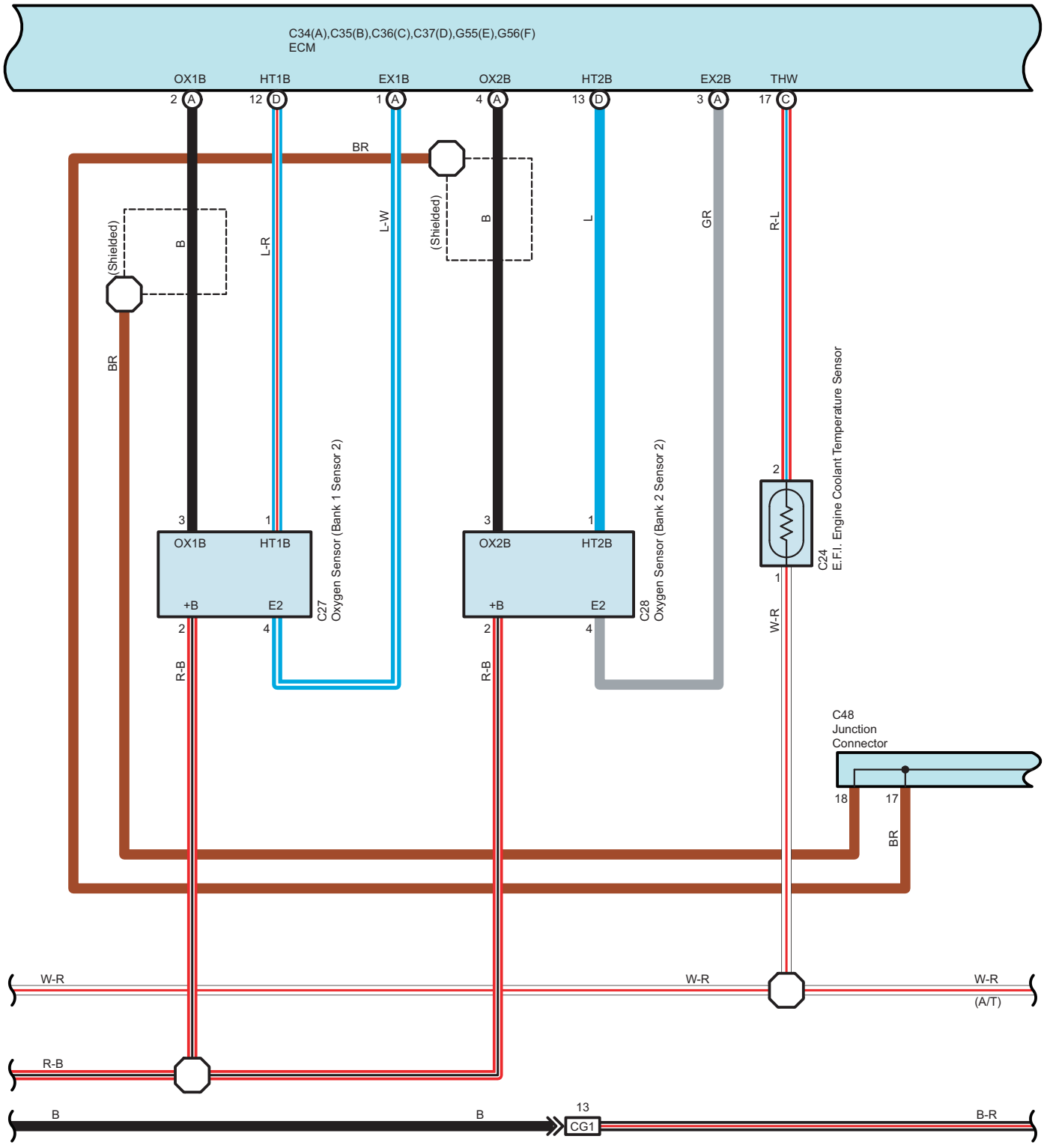

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
IGF1
IGT1
IGT2
IGT3
IGT4
IGT5
IGT6
NT+
NT-
SP2+
SP2-
6 C
24 C
25 C
26 C
27 C
28 C
25 B
3 C
4 C
9 C
10 C
G-R
R-Y
R-L
G-B
G-W
GR
L
L (A/T)
W (A/T)
B (A/T)
W (A/T)
Ignition Coil Assemblies
2
1
C32
Transmission Revolution Sensor (Turbine)
2
1
C31
Transmission Revolution Sensor (Counter Gear)

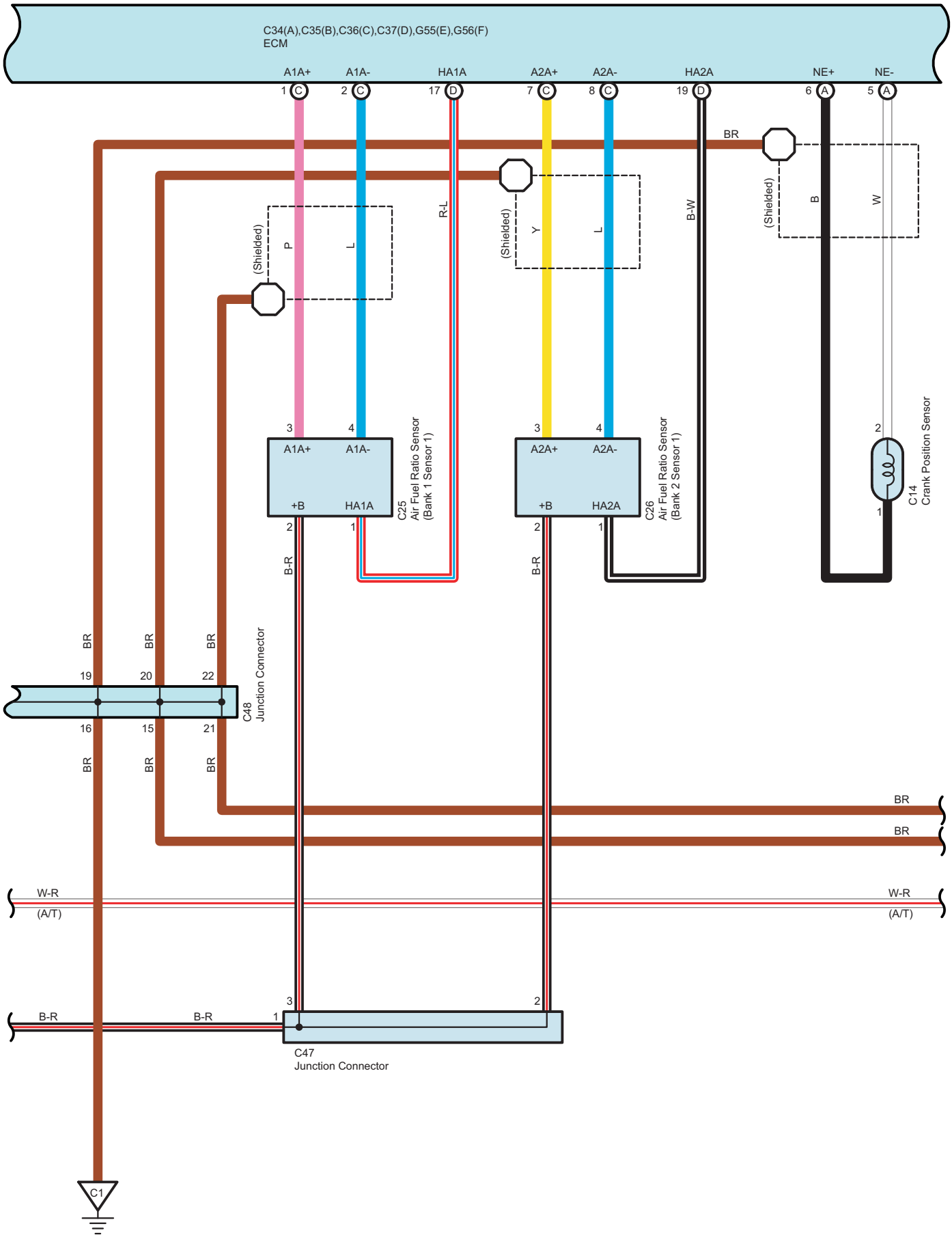

R-B
R-B
B
B

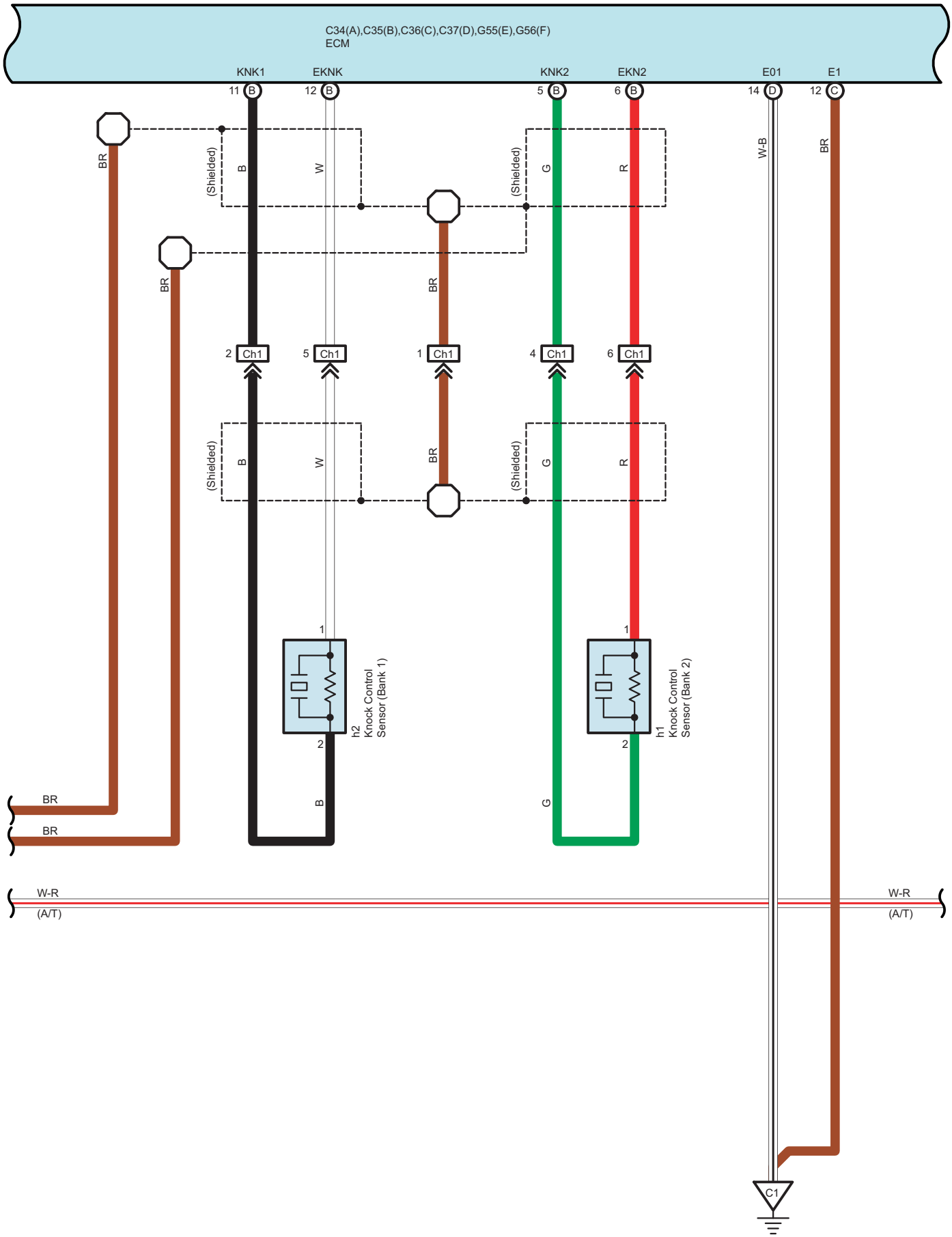

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
VCTA
ETA
VTA1
VTA2
M+
M-
GE01
VPA
VPA2
VCPA
VCP2
13 C
14 C
15 C
16 C
20 D
29 C
30 C
6 F
5 F
4 F
2 F
L
W
LG
G-W
(Shielded)
P
L
L
GR
LG
R
53 GA6
48 GA6
56 GA6
45 GA6
55 GA6
49 GA6
58 GA6
46 GA6
(LHD)
(RHD)
5
3
6
4
2
1
6
3
4
1
VC
E2
VTA
VTA2
M+
M-
VPA
VPA2
VCPA
VCP2
C13
Throttle Body Assembly
A19
Acceleration Sensor

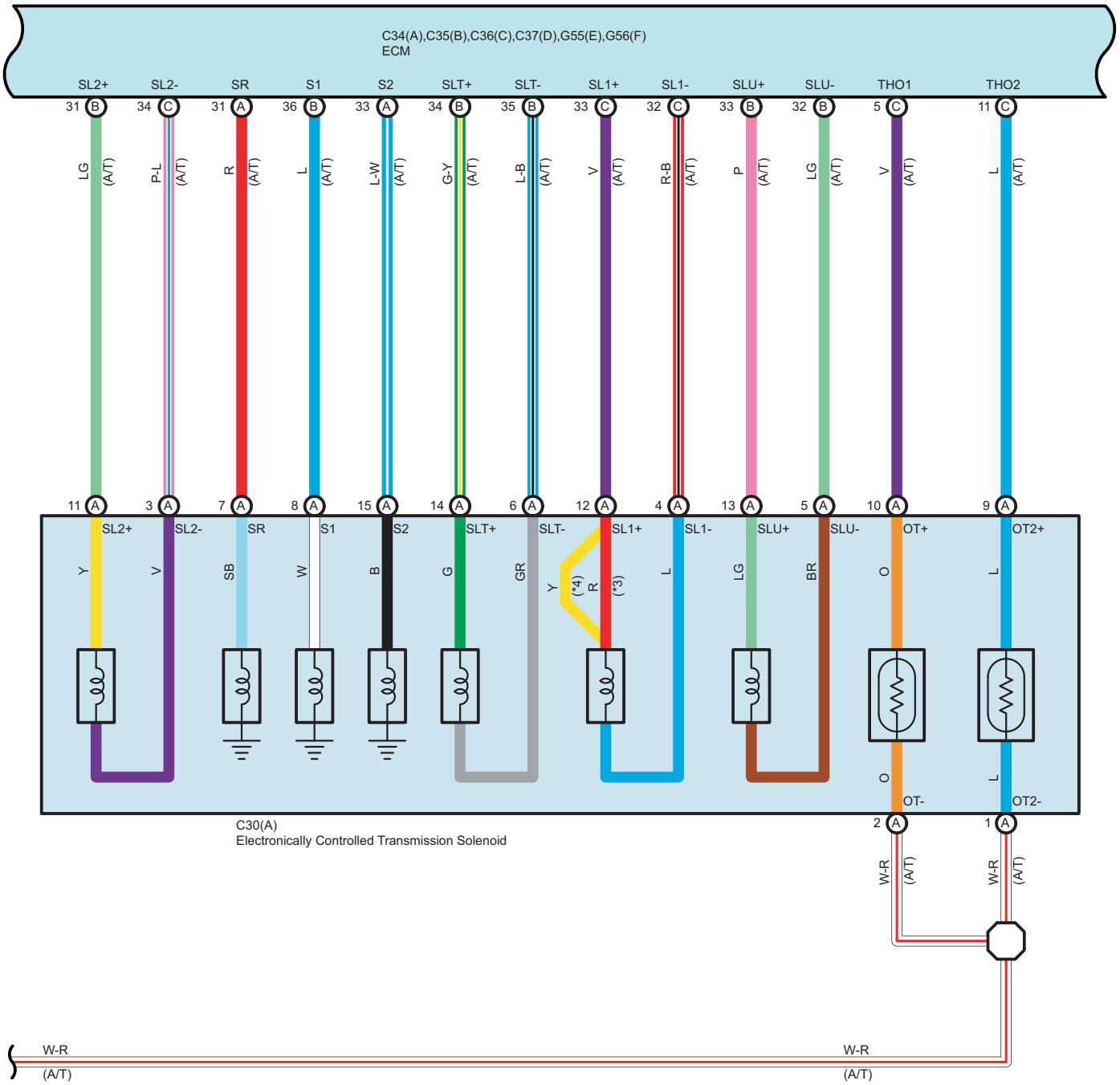

R-B
R-B
B
B

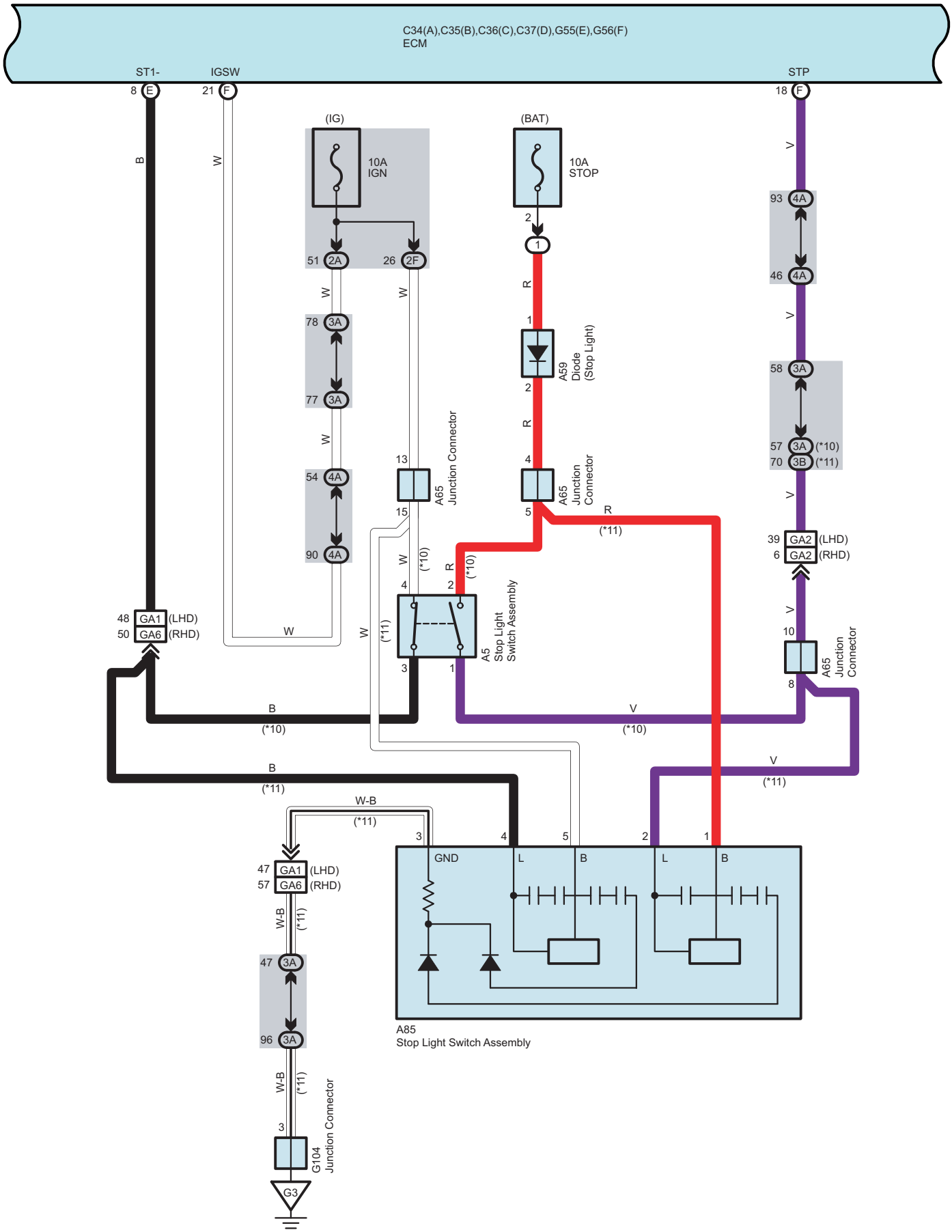

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
EPA
EPA2
VCV2
VV2+
VV2-
EV2+
EV2-
PSP
ETHW
3 F
1 F
16 A
12 A
11 A
18 A
17 A
16 B
8 B
P
W
LG-B
G
GR
L
P
V
W-R
54 GA6
47 GA6
57 GA6 (LHD)
44 GA6 (RHD)
5
2
EPA
EPA2
A19
Acceleration Sensor
C21
VVT Sensor (Bank 2 Intake Side)
1
2
VVL+
VVL-
VC
3
C23
VVT Sensor (Bank 2 Exhaust Side)
EX+
EX-
VC2
C29
Power Steering Oil Pressure Switch
PSP
VC
E2
LG-B
W-R
R-B
B

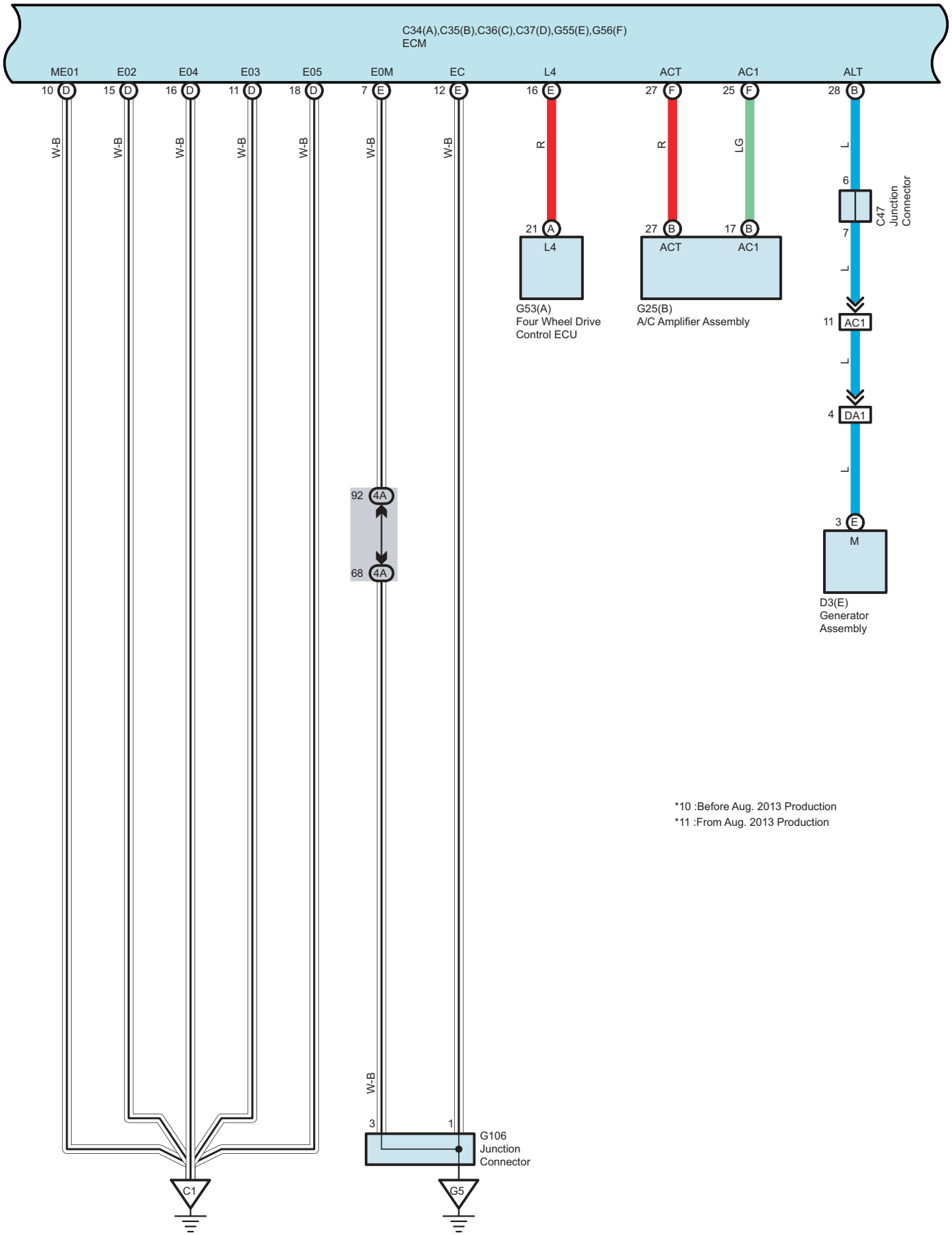

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
OX1B
HT1B
EX1B
OX2B
HT2B
EX2B
THW
2 A
12 D
1 A
4 A
13 D
3 A
17 C
BR
(Shielded)
B
L-R
L-W
(Shielded)
B
L
GR
R-L
BR
3
1
OX1B
HT1B
+B
E2
2
4
C27
Oxygen Sensor (Bank 1 Sensor 2)
3
1
OX2B
HT2B
+B
E2
2
4
C28
Oxygen Sensor (Bank 2 Sensor 2)
2
1
C24
E.F.I. Engine Coolant Temperature Sensor
W-R
R-B
R-B
C48
Junction
Connector
18
17
BR
W-R
W-R
W-R
(A/T)
R-B
B
B
13
CG1
B-R

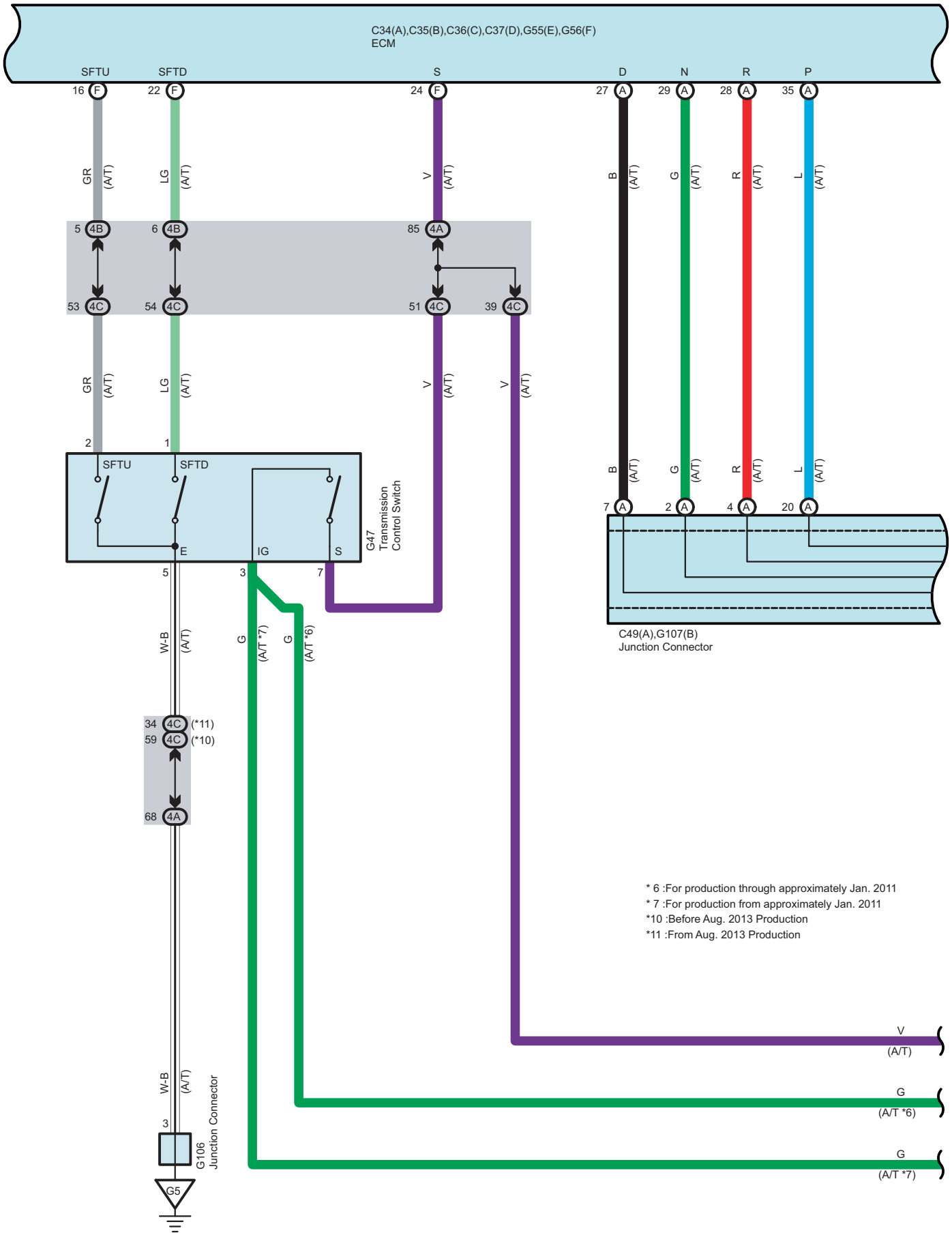

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
A1A+
A1A-
HA1A
A2A+
A2A-
HA2A
NE+
NE-
1 C
2 C
17 D
7 C
8 C
19 D
6 A
5 A
BR
(Shielded)
P
L
R-L
Y
B-W
B
W
3
4
A1A+
A1A-
+B
HA1A
C25
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
A2A+
A2A-
HA2A
C26
Air Fuel Ratio Sensor
(Bank 2 Sensor 1)
2
1
C14
Crank Position Sensor
B-R
C48
Junction Connector
19
20
22
16
15
21
W-R
(A/T)
C47
Junction Connector
C1

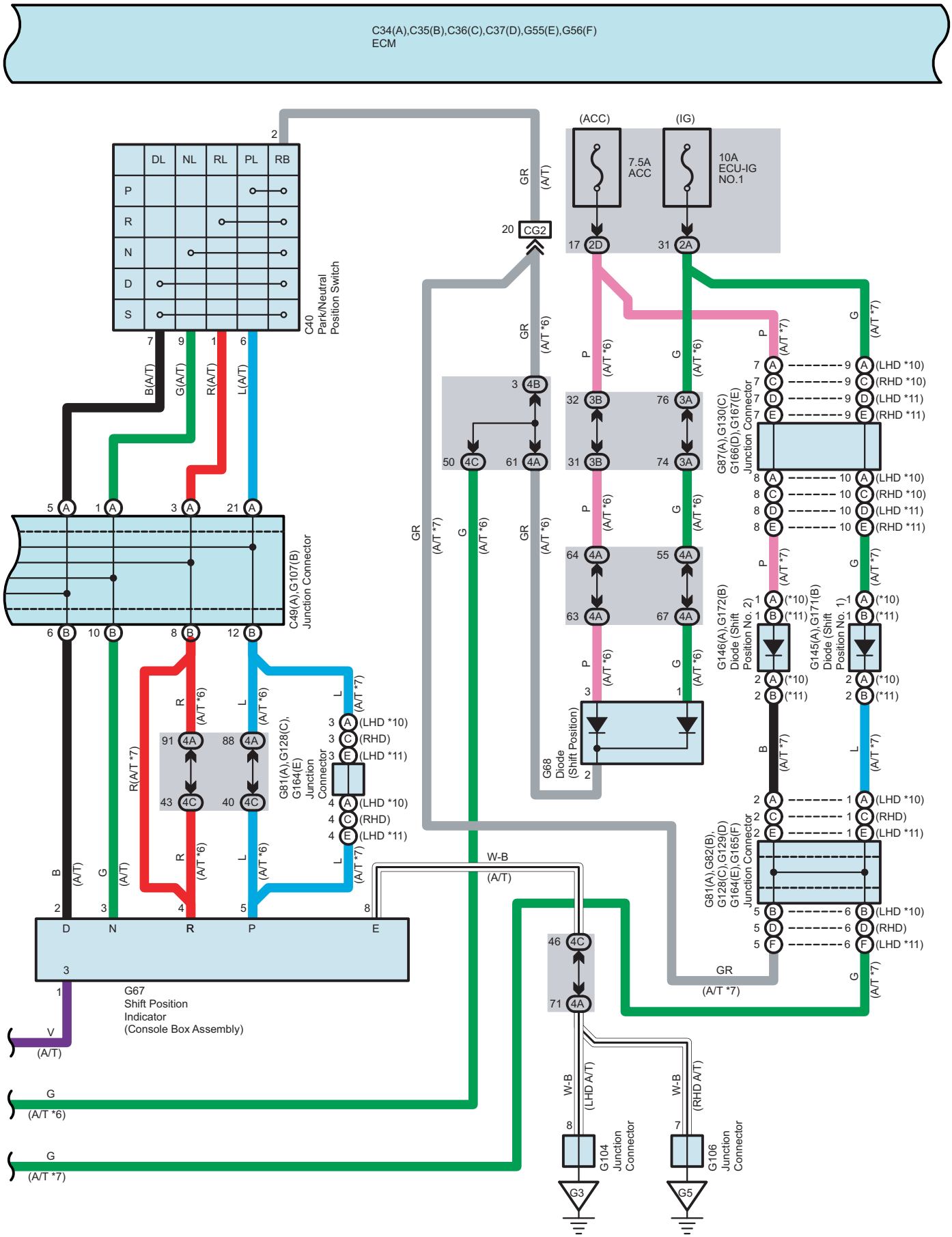

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
KNK1
EKNK
KNK2
EKN2
E01
E1
11 B
12 B
5 B
6 B
14 D
12 C
BR
(Shielded)
B
W
G
R
W-B
2 Ch1
5 Ch1
1 Ch1
4 Ch1
6 Ch1
1
2
h2
Knock Control
Sensor (Bank 1)
h1
Knock Control
Sensor (Bank 2)
W-R
(A/T)
C1

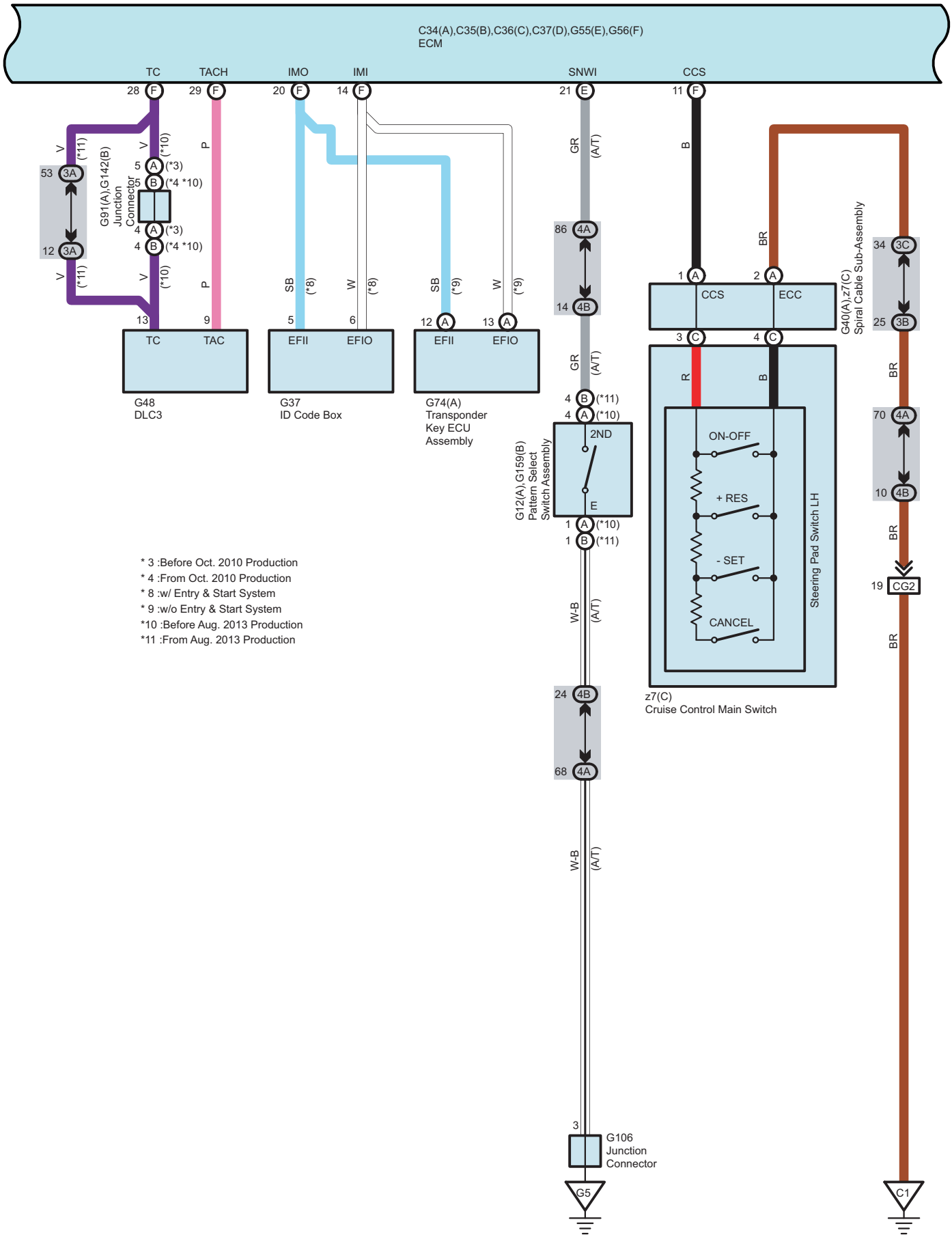

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
SL2+
SL2-
SR
S1
S2
SLT+
SLT-
SL1+
SL1-
SLU+
SLU-
THO1
THO2
C30(A)
Electronically Controlled Transmission Solenoid
OT+
OT-
OT2+
OT2-
W-R
(A/T)
* 3 :Before Oct. 2010 Production
* 4 :From Oct. 2010 Production

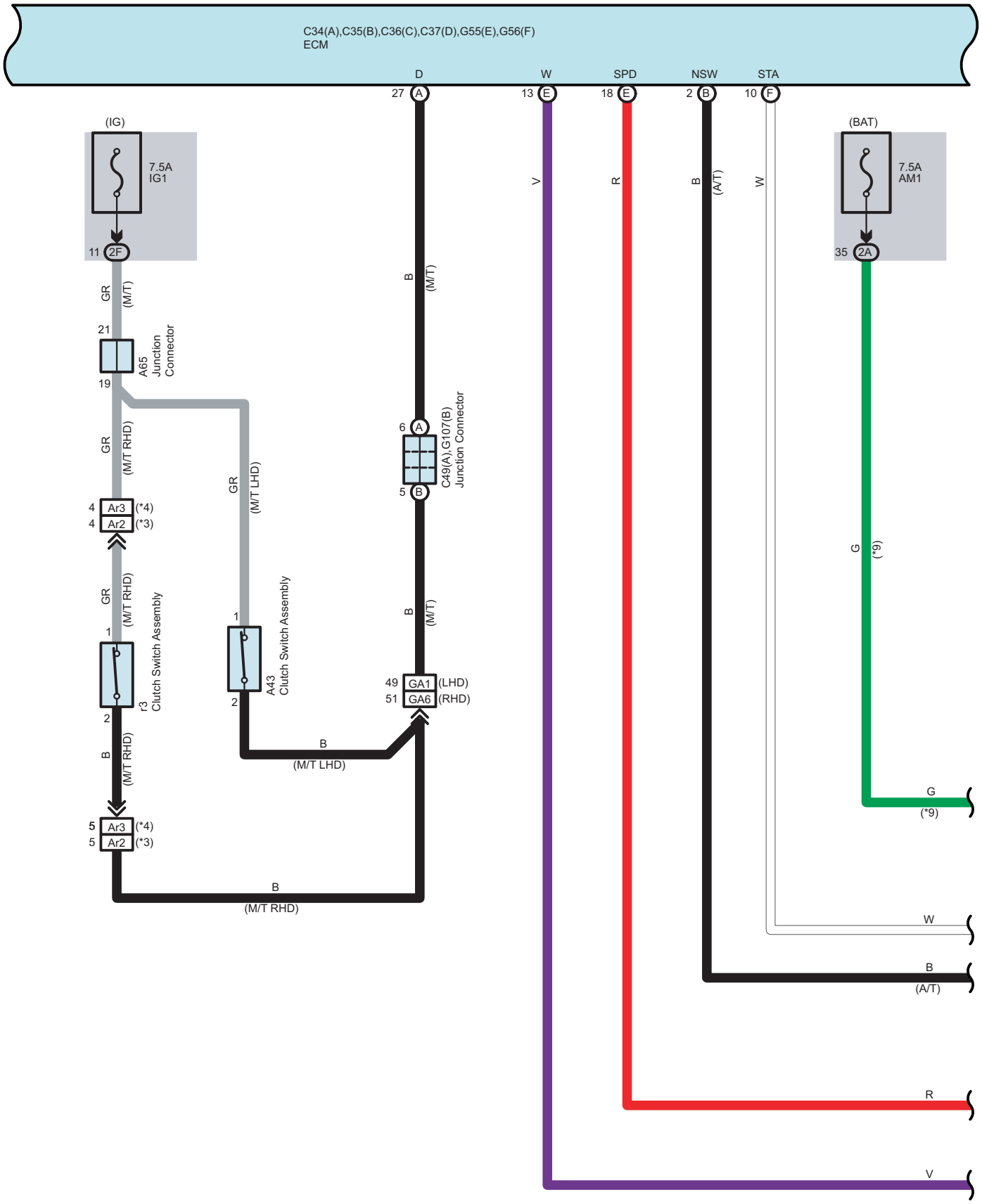

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
ST1-
IGSW
STP
8 E
21 F
18 F
B
W
V
(IG)
10A
IGN
(BAT)
10A
STOP
51 2A
26 2F
2
1
R
78 3A
77 3A
54 4A
90 4A
13
15
A65
Junction Connector
1
A59
Diode
(Stop Light)
2
4
5
93 4A
46 4A
58 3A
57 3A (*10)
70 3B (*11)
39 GA2 (LHD)
6 GA2 (RHD)
10
8
48 GA1 (LHD)
50 GA6 (RHD)
(*10)
(*11)
4
2
3
1
A5
Stop Light
Switch Assembly
B
(*10)
(*11)
W-B
(*11)
47 GA1 (LHD)
57 GA6 (RHD)
47 3A
96 3A
3
G104
Junction Connector
G3
GND
L
B
A85
Stop Light Switch Assembly

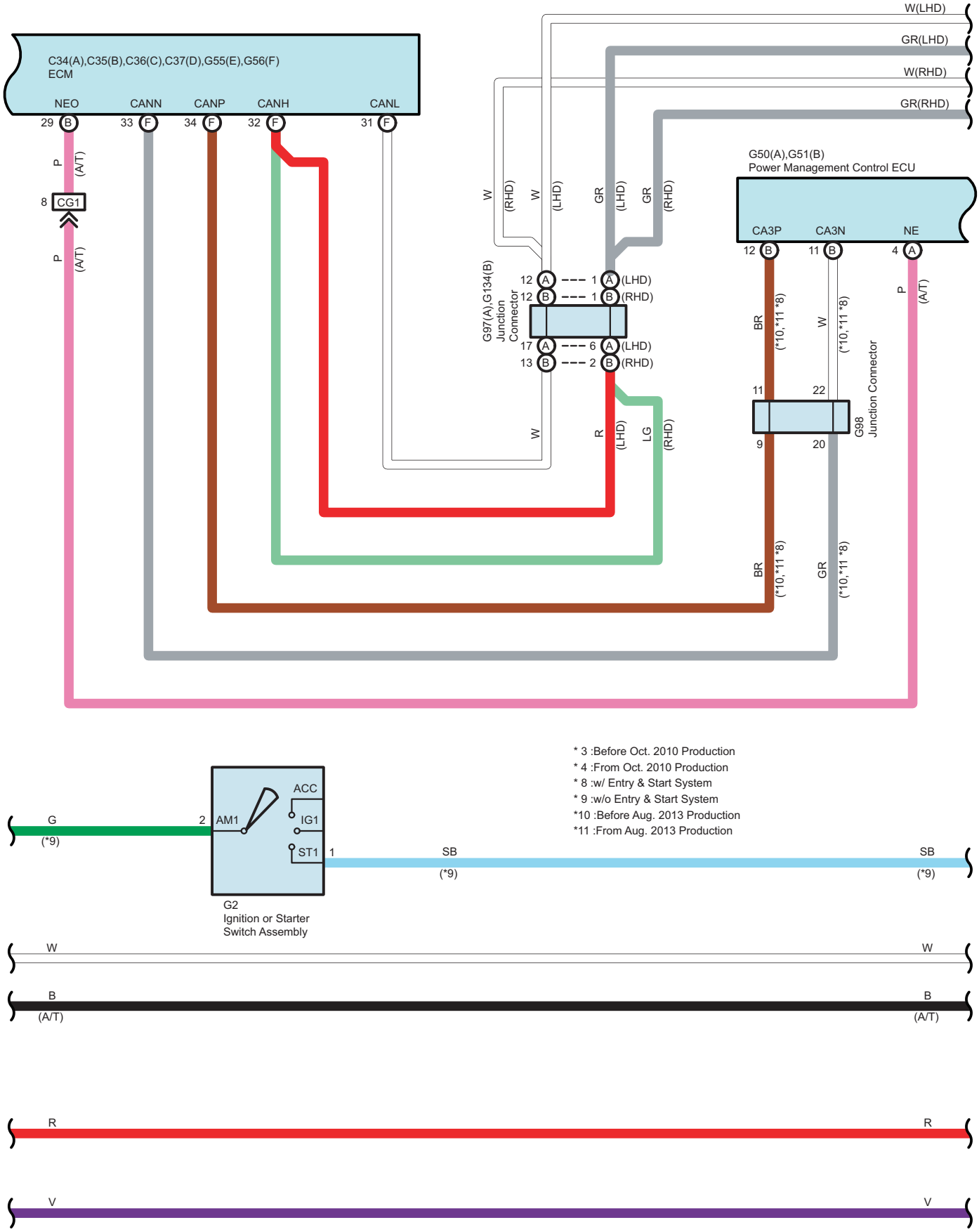

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
ME01
E02
E04
E03
E05
E0M
EC
L4
ACT
AC1
ALT
10 D
15 D
16 D
11 D
18 D
7 E
12 E
16 E
27 F
25 F
28 B
W-B
R
LG
L
21 A
L4
G53(A)
Four Wheel Drive
Control ECU
27 B
ACT
17 B
AC1
G25(B)
A/C Amplifier Assembly
6
C47
Junction
Connector
7
11 AC1
4 DA1
3 E
M
D3(E)
Generator
Assembly
92 4A
68 4A
3
1
G106
Junction
Connector
C1
G5
*10 :Before Aug. 2013 Production
*11 :From Aug. 2013 Production

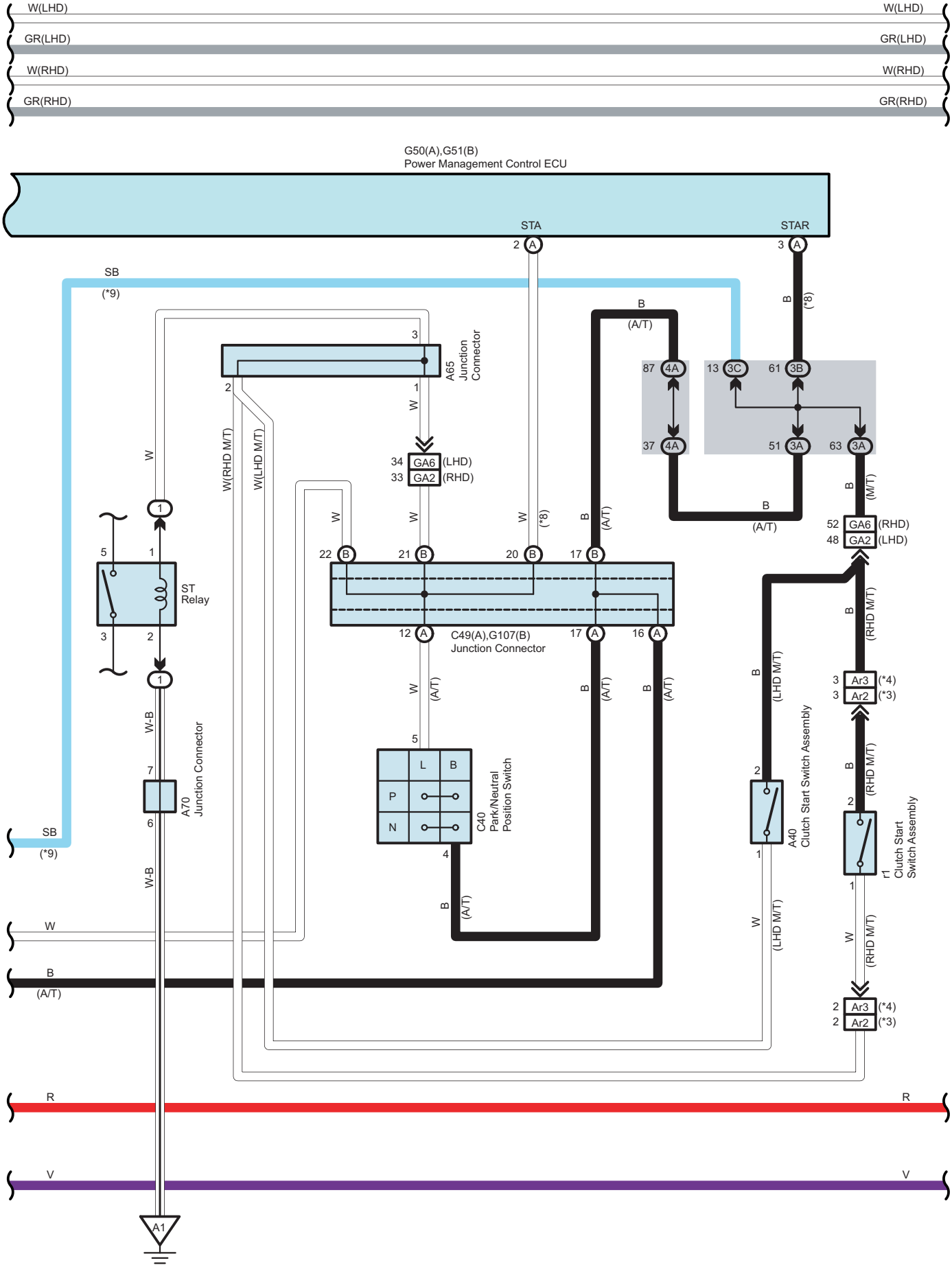

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
SFTU
SFTD
S
D
N
R
P
16 F
22 F
24 F
27 A
29 A
28 A
35 A
GR (A/T)
LG (A/T)
V (A/T)
B (A/T)
G (A/T)
R (A/T)
L (A/T)
5 4B
6 4B
85 4A
53 4C
54 4C
51 4C
39 4C
2
1
SFTU
SFTD
E
IG
S
G47
Transmission
Control Switch
5
3
7
W-B (A/T)
G (A/T *7)
G (A/T *6)
7 A
2 A
4 A
20 A
C49(A),G107(B)
Junction Connector
34 4C (*11)
59 4C (*10)
68 4A
* 6 :For production through approximately Jan. 2011
* 7 :For production from approximately Jan. 2011
*10 :Before Aug. 2013 Production
*11 :From Aug. 2013 Production
V (A/T)
G (A/T *6)
G (A/T *7)
3
G106
Junction Connector
G5

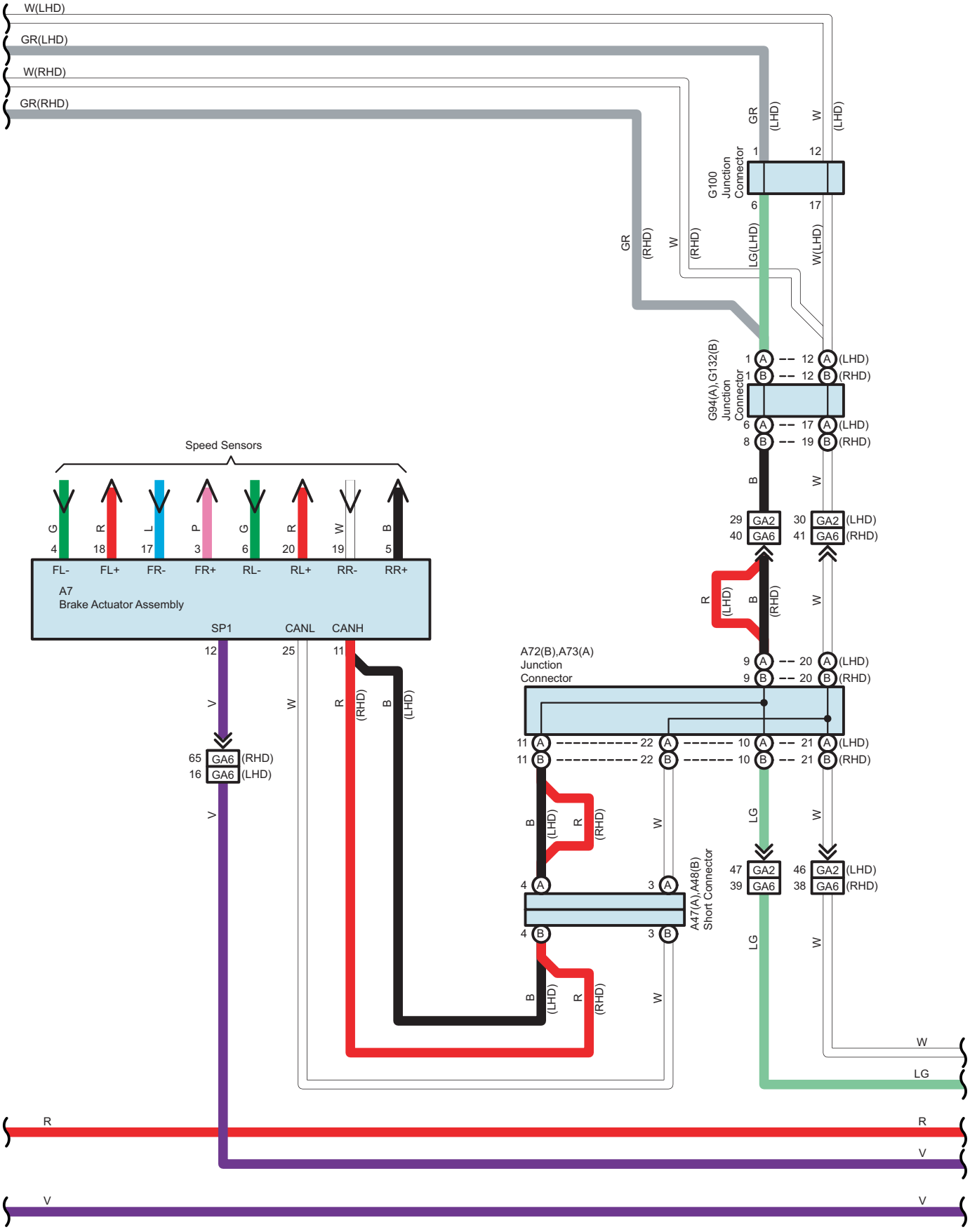

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
(ACC)
(IG)
7.5A
ACC
10A
ECU-IG
NO.1
C40
Park/Neutral
Position Switch
C49(A),G107(B)
Junction Connector
G68
Diode
(Shift Position)
G87(A),G130(C)
G166(D),G167(E)
Junction Connector
G146(A),G172(B)
Diode (Shift
Position No. 2)
G145(A),G171(B)
Diode (Shift
Position No. 1)
G81(A),G82(B),
G128(C),G129(D)
G164(E),G165(F)
Junction Connector
G81(A),G128(C),
G164(E)
Junction
Connector
G67
Shift Position
Indicator
(Console Box Assembly)
G104
Junction
Connector
G106
Junction
Connector
G3
G5
(LHD *10)
(RHD)
(LHD *11)
(RHD *10)
(RHD *11)
(*10)
(*11)
(A/T)
(A/T *6)
(A/T *7)
(LHD A/T)
(RHD A/T)

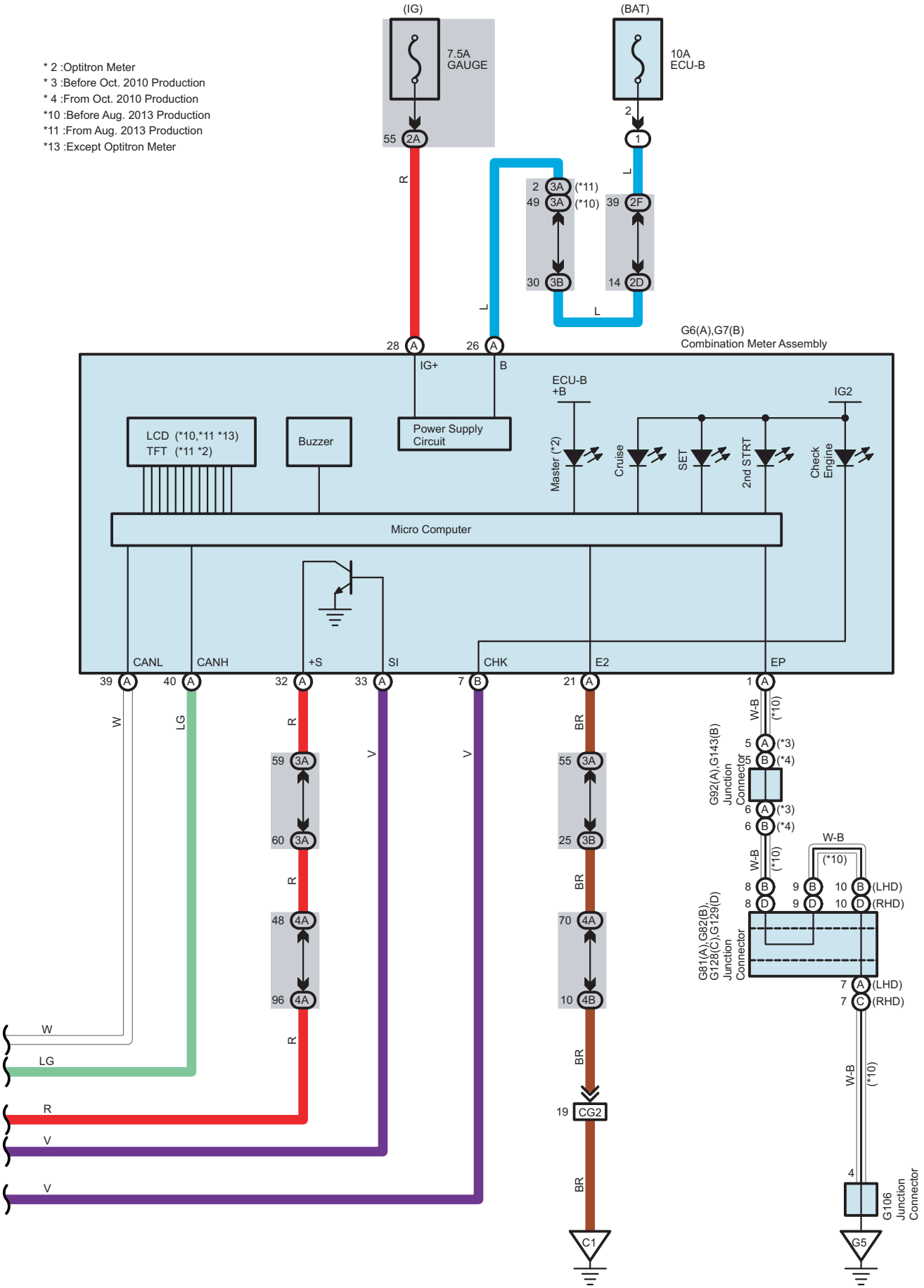

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
TC
TACH
IMO
IMI
SNWI
CCS
28 F
29 F
20 F
14 F
21 E
11 F
V (*11)
V (*10)
P
SB (*8)
W (*8)
SB (*9)
W (*9)
GR (A/T)
B
BR
53 3A
12 3A
5 A (*3)
5 B (*4 *10)
4 A (*3)
4 B (*4 *10)
G91(A),G142(B) Junction Connector
13
9
5
6
12 A
13 A
86 4A
14 4B
1 A
2 A
CCS
ECC
3 C
4 C
R
B
34 3C
25 3B
70 4A
10 4B
19 CG2
TC
TAC
EFII
EFIO
EFII
EFIO
G48
DLC3
G37
ID Code Box
G74(A)
Transponder Key ECU Assembly
4 B (*11)
4 A (*10)
2ND
E
1 A (*10)
1 B (*11)
G12(A),G159(B) Pattern Select Switch Assembly
W-B (A/T)
24 4B
68 4A
3
G106 Junction Connector
G5
C1
ON-OFF
+ RES
- SET
CANCEL
Steering Pad Switch LH
z7(C)
Cruise Control Main Switch
G40(A),z7(C) Spiral Cable Sub-Assembly
* 3 :Before Oct. 2010 Production
* 4 :From Oct. 2010 Production
* 8 :w/ Entry & Start System
* 9 :w/o Entry & Start System
*10 :Before Aug. 2013 Production
*11 :From Aug. 2013 Production


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
D
W
SPD
NSW
STA
27 A
13 E
18 E
2 B
10 F
(IG)
7.5A
IG1
11 2F
(BAT)
7.5A
AM1
35 2A
GR
(M/T)
21
A65
Junction
Connector
19
GR
(M/T RHD)
4 Ar3 (*4)
4 Ar2 (*3)
GR
(M/T RHD)
1
r3
Clutch Switch Assembly
2
B
(M/T RHD)
5 Ar3 (*4)
5 Ar2 (*3)
B
(M/T RHD)
GR
(M/T LHD)
1
A43
Clutch Switch Assembly
2
B
(M/T LHD)
B
(M/T)
6 A
5 B
C49(A),G107(B)
Junction Connector
B
(M/T)
49 GA1 (LHD)
51 GA6 (RHD)
V
R
B
(A/T)
W
G
(*9)
G
(*9)
W
B
(A/T)
R
V

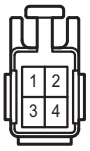

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
NEO
CANN
CANP
CANH
CANL
29 B
33 F
34 F
32 F
31 F
P (A/T)
8 CG1
P (A/T)
W(LHD)
GR(LHD)
W(RHD)
GR(RHD)
G50(A),G51(B)
Power Management Control ECU
CA3P
CA3N
NE
12 B
11 B
4 A
W (RHD)
W (LHD)
GR (LHD)
GR (RHD)
G97(A),G134(B)
Junction Connector
12 A --- 1 A (LHD)
12 B --- 1 B (RHD)
17 A --- 6 A (LHD)
13 B --- 2 B (RHD)
BR (*10, *11 *8)
W (*10, *11 *8)
P (A/T)
11
22
9
20
G98
Junction Connector
W (LHD)
R (LHD)
LG (RHD)
BR (*10, *11 *8)
GR (*10, *11 *8)
* 3 :Before Oct. 2010 Production
* 4 :From Oct. 2010 Production
* 8 :w/ Entry & Start System
* 9 :w/o Entry & Start System
*10 :Before Aug. 2013 Production
*11 :From Aug. 2013 Production
G (*9)
2 AM1
ACC
IG1
ST1 1
SB (*9)
SB (*9)
G2
Ignition or Starter
Switch Assembly
W
W
B (A/T)
B (A/T)
R
R
V
V


W(LHD)
GR(LHD)
W(RHD)
GR(RHD)
G50(A),G51(B)
Power Management Control ECU
STA
STAR
SB
(*9)
A65
Junction
Connector
W(RHD M/T)
W(LHD M/T)
GA6 (LHD)
GA2 (RHD)
ST
Relay
C49(A),G107(B)
Junction Connector
A70
Junction Connector
C40
Park/Neutral
Position Switch
A40
Clutch Start Switch Assembly
r1
Clutch Start
Switch Assembly
(A/T)
(M/T)
(RHD M/T)
(LHD M/T)
(*8)
(*4)
(*3)
A1


W(LHD)
GR(LHD)
W(RHD)
GR(RHD)
G100 Junction Connector
G94(A),G132(B) Junction Connector
Speed Sensors
A7 Brake Actuator Assembly
FL-
FL+
FR-
FR+
RL-
RL+
RR-
RR+
SP1
CANL
CANH
A72(B),A73(A) Junction Connector
A47(A),A48(B) Short Connector
GA2
GA6
(LHD)
(RHD)

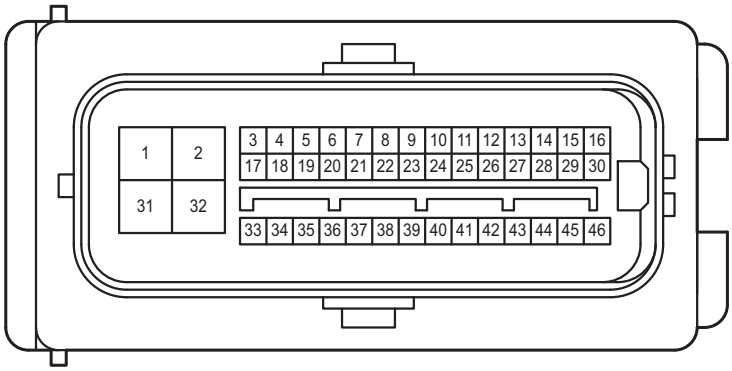

* 2 :Optitron Meter
* 3 :Before Oct. 2010 Production
* 4 :From Oct. 2010 Production
*10 :Before Aug. 2013 Production
*11 :From Aug. 2013 Production
*13 :Except Optitron Meter
(IG)
7.5A GAUGE
(BAT)
10A ECU-B
G6(A),G7(B) Combination Meter Assembly
IG+
B
ECU-B +B
IG2
LCD (*10,*11 *13) TFT (*11 *2)
Buzzer
Power Supply Circuit
Master (*2)
Cruise
SET
2nd STRT
Check Engine
Micro Computer
CANL
CANH
+S
SI
CHK
E2
EP
G92(A),G143(B) Junction Connector
G81(A),G82(B), G128(C),G129(D) Junction Connector
G106 Junction Connector
CG2
C1
G5
(LHD)
(RHD)

A5
White



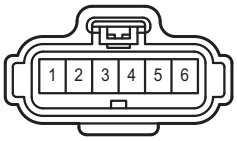
90980-10795

A7
Black



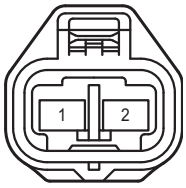
90980-12297

A16
Black



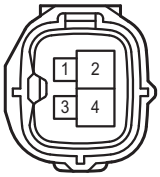
90980-11858

A17
Black



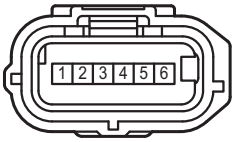
90980-12068

A18
Black



90980-12294

A19
Black



90980-12303

A40
Black



90980-10825

A43
White



90980-10906

A47
Gray



90980-10945

A48
Gray



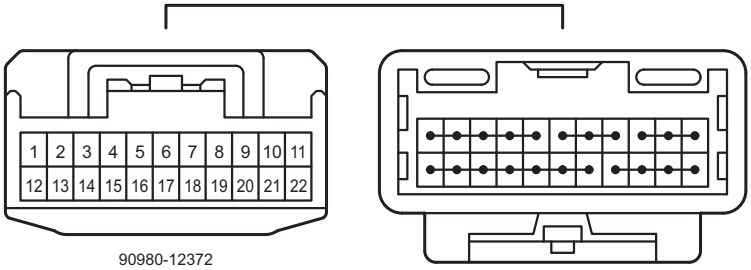
90980-10946

A59
Black



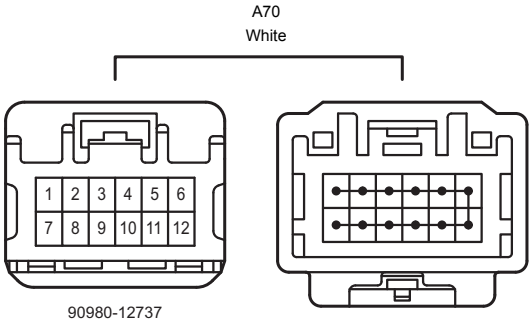
90980-10962

A65
White



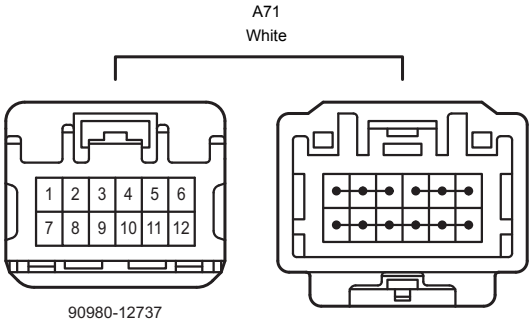
90980-12372

A70
White



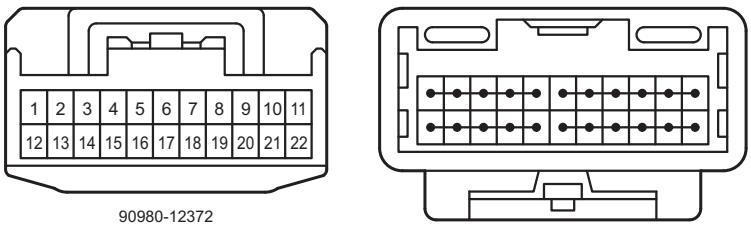
90980-12737

A71
White



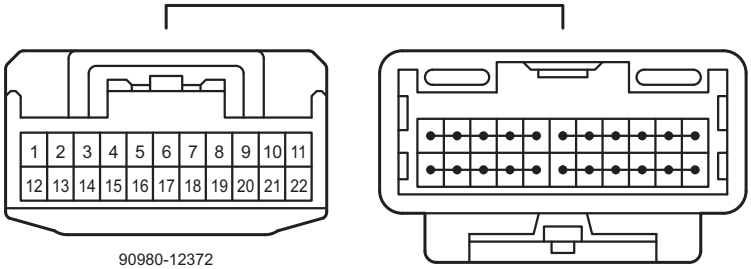
90980-12737

A72
White



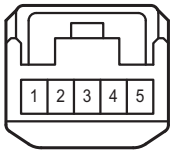
90980-12372

A73
White



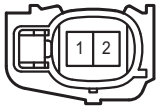
90980-12372

A85
White



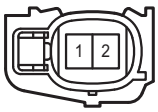
90980-12366

C1
Gray



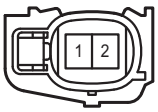
90980-11875

C2
Gray



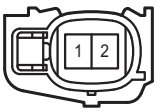
90980-11875

C3
Gray



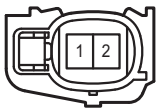
90980-11875

C4
Gray



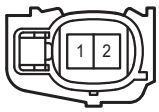
90980-11875

C5
Gray



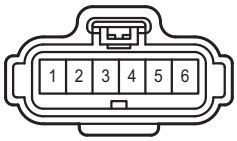
90980-11875

C6
Gray



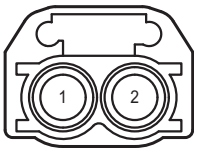
90980-11875

C13
Black



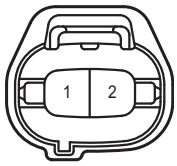
90980-11858

C14
Black



90980-12028

C15
Black



90980-11156

C16
Black



90980-11162

C17
Black



90980-11162

C18
Black



90980-11162

C19
Black



90980-11162

C20
Black



90980-12353

C21
Black



90980-12353

C22
Black



90980-12353

C23
Black



90980-12353

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

C25
Dark Gray



90980-10869

C26
Dark Gray



90980-10869

C27
Dark Gray



90980-10869

C28
Dark Gray



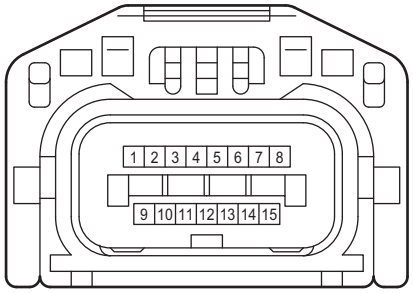
90980-11028

C29
Gray



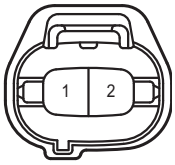
90980-11451

C30
Gray



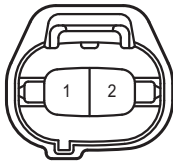
90980-12293

C31
Black



90980-11156

C32
Black



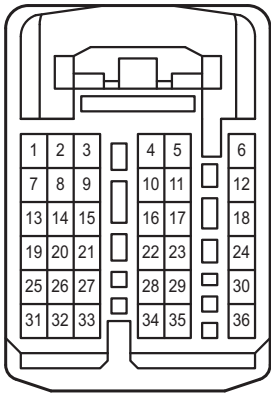
90980-11156

C33
Black



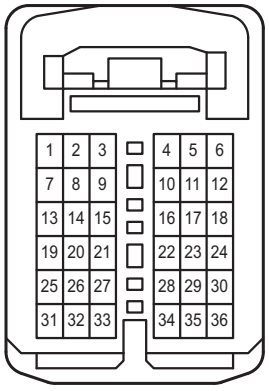
90980-12292

C34
White



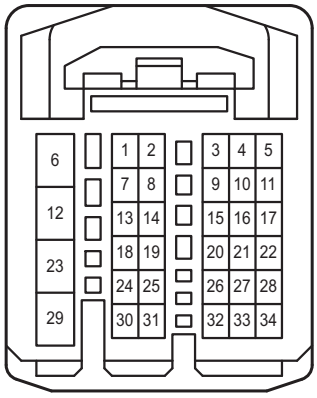
82824-26130

C35
White



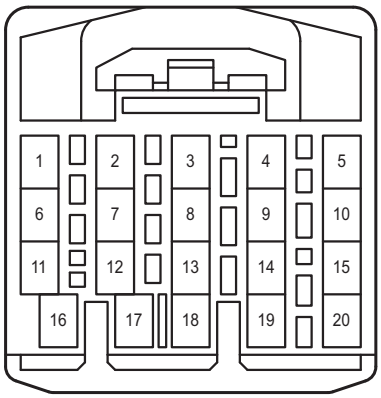
82824-26140

C36
White



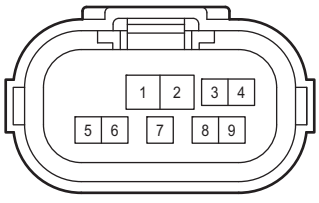
82824-26150

C37
White



82824-26160

C40
Gray



90980-12362

C44
Black



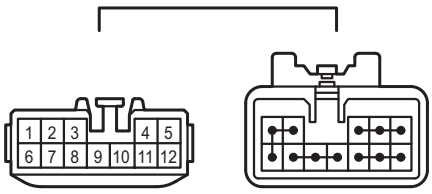
90980-12292

C45
Black



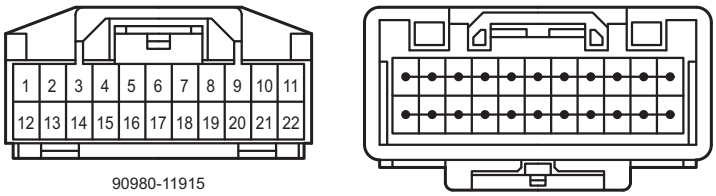
90980-12292

C47
Black



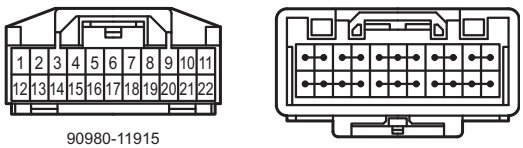
90980-10803

C48
White



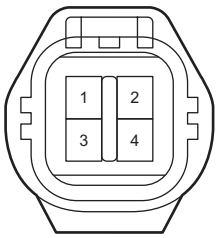
90980-11915

C49
Blue



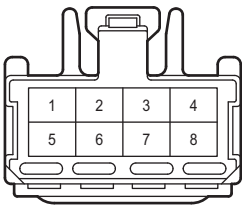
90980-11915

D3
Black



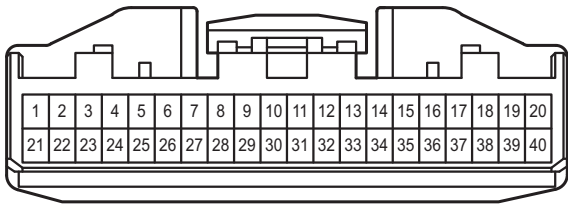
90980-11964

G2
White



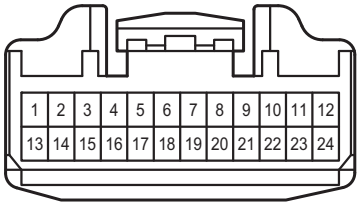
90980-11615

G6
Black



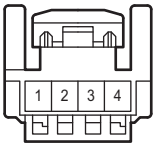
90980-12557

G7
Black



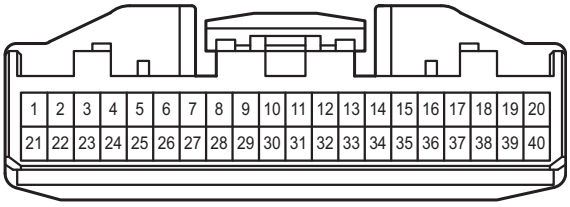
90980-12554

G12
Gray



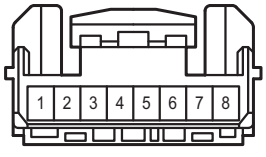
82824-21030

G25
White



90980-12557

G37
White



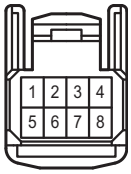
90980-12558

G40
Black



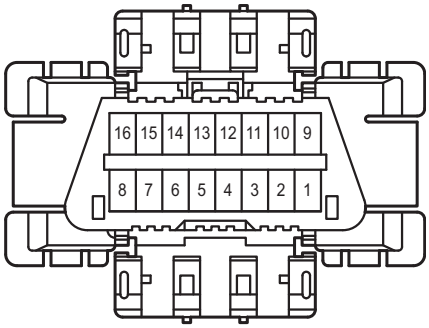
90980-12552

G47
Black



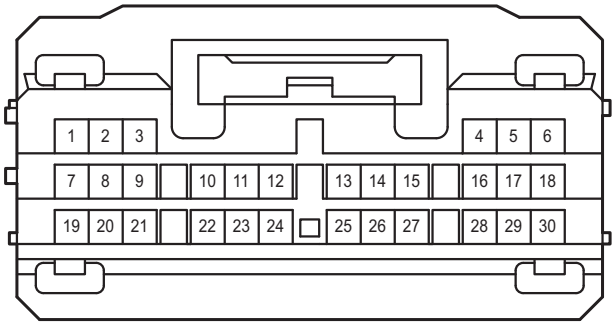
90980-12551

G48
White



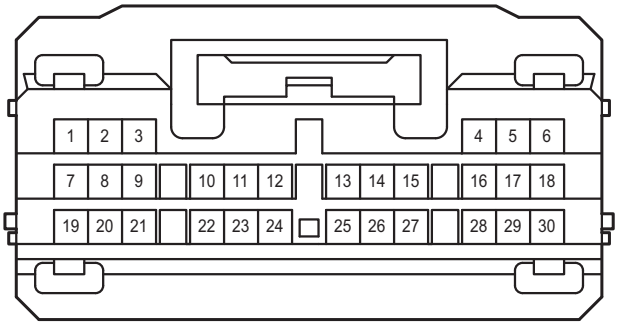
90980-11978

G50
White



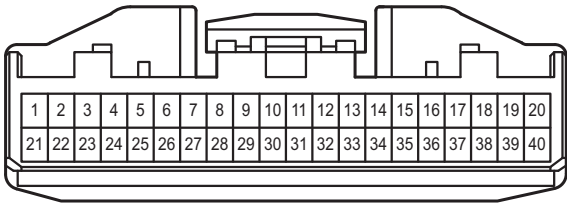
90980-12843

G51
Black



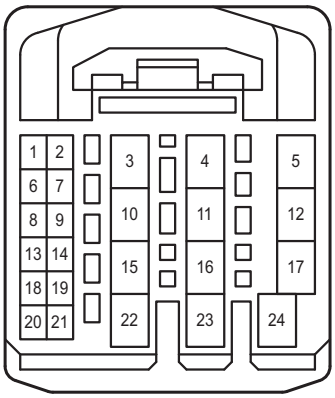
90980-12844

G53
Black



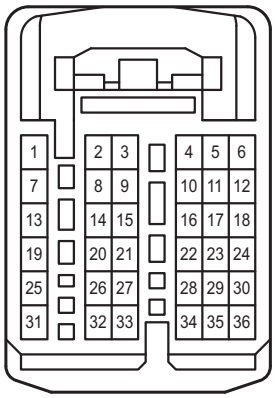
90980-12557

G55
White



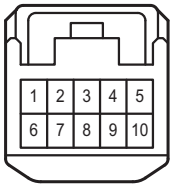
82824-26110

G56
White



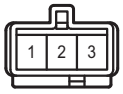
82824-26120

G67
White



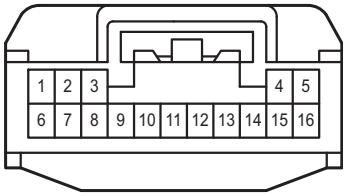
90980-12368

G68
Gray



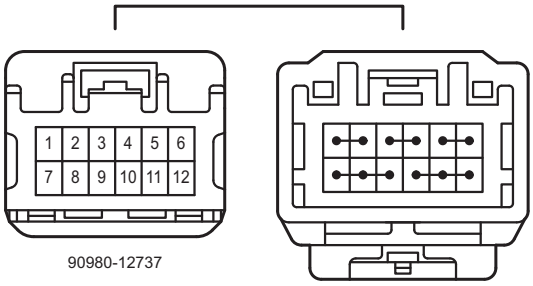
90980-11071

G74
Black



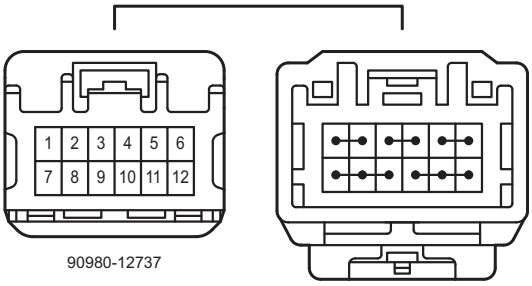
90980-12423

G81
White



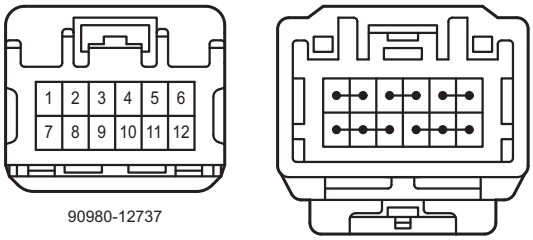
90980-12737

G82
White



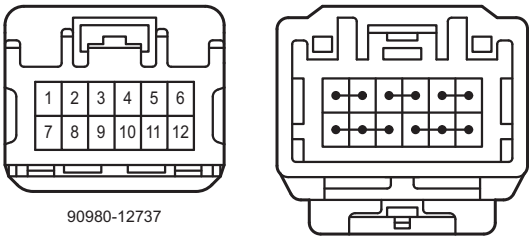
90980-12737

G85
Black



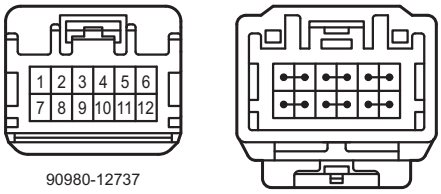
90980-12737

G86
Black



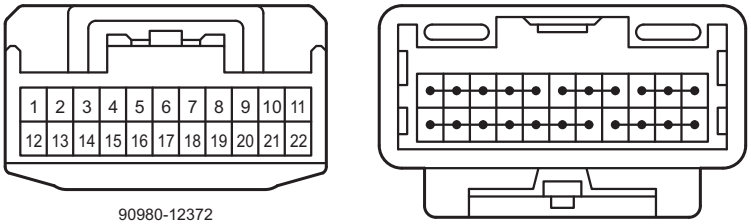
90980-12737

G87
Black



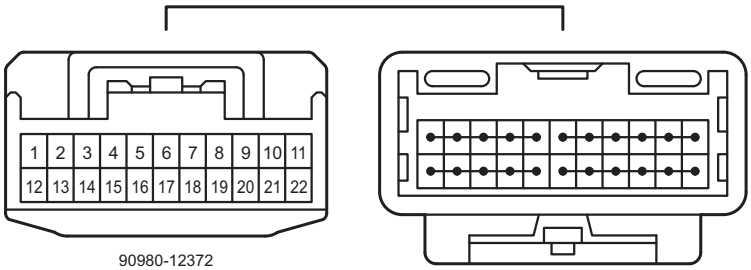
90980-12737

G91
Gray



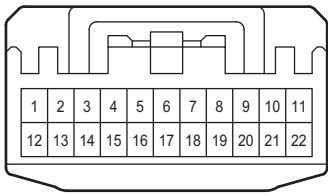
90980-12372

G92
White



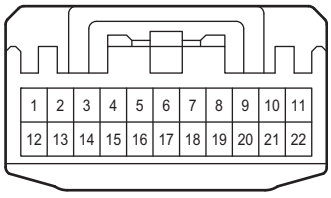
90980-12372

G94
White



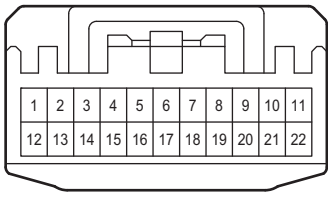
82824-30420

G97
White



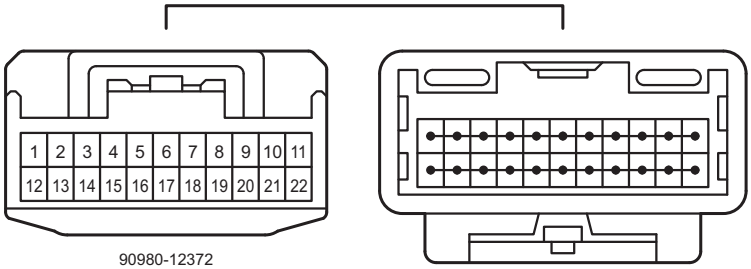
82824-30420

G98
White



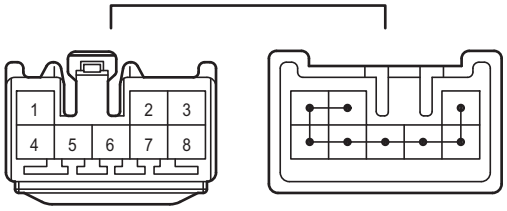
82824-30420

G100
Gray



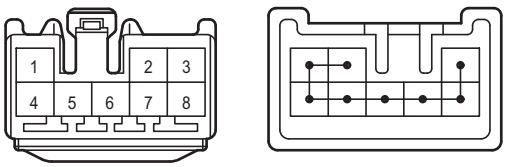
90980-12372

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



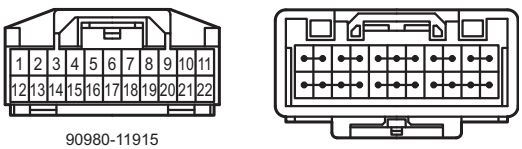
90980-11686

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



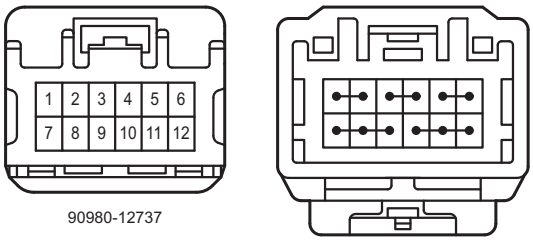
90980-11686

G107
Blue



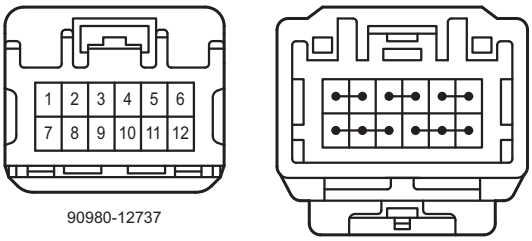
90980-11915

G128
Black



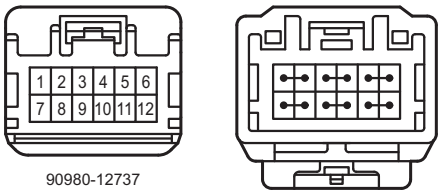
90980-12737

G129
Black



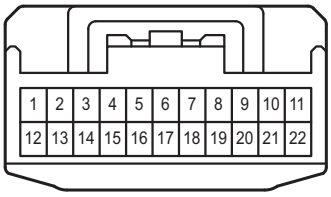
90980-12737

G130
White



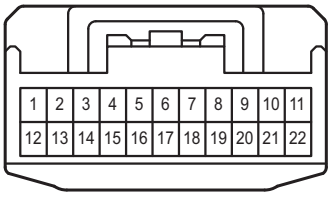
90980-12737

G132
Gray



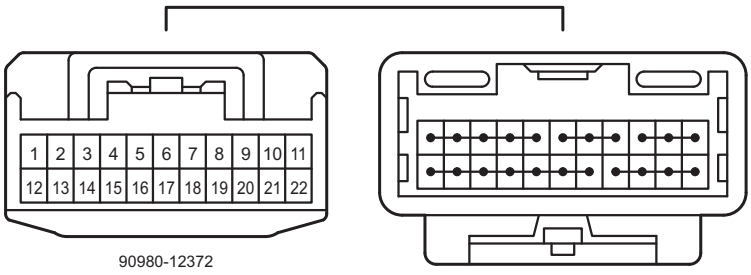
90980-12372

G134
Gray



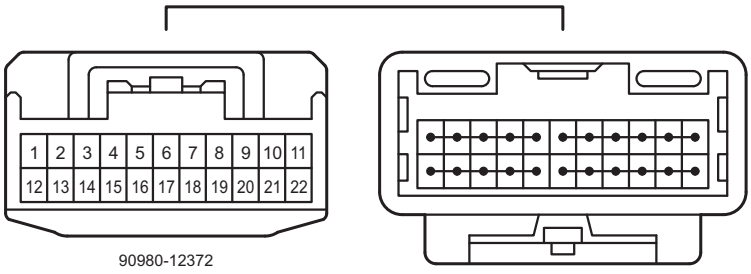
90980-12372

G142
White



90980-12372

G143
Black



90980-12372

G145
Gray



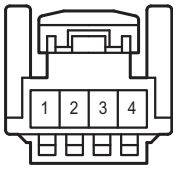
90980-10637

G146
Gray



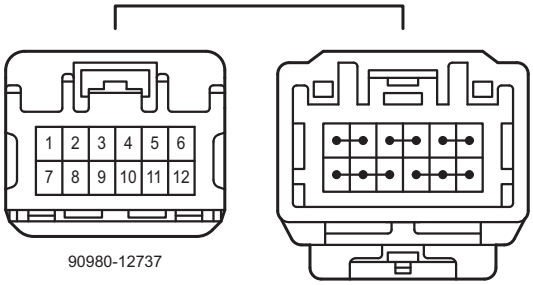
90980-10637

G159
Gray



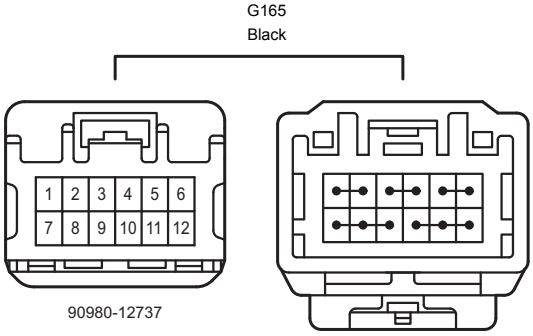
90980-12876

G164
Black



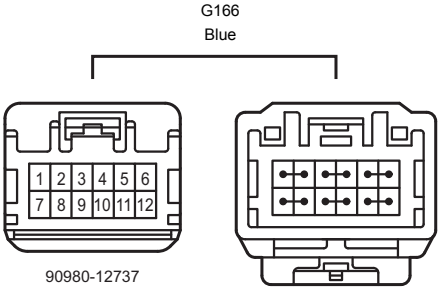
90980-12737

G165
Black



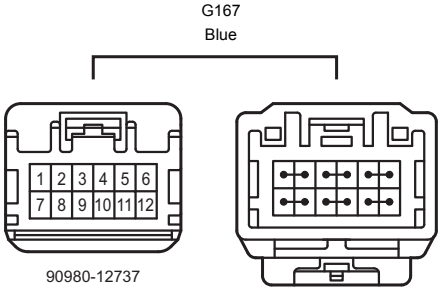
90980-12737

G166
Blue



90980-12737

G167
Blue



90980-12737

G171
Gray



90980-11608

G172
Gray



90980-11608

S5
White



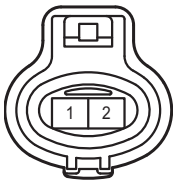
90980-11077

S8
Gray (Before Aug. 2017 Production) / Black (From Aug. 2017 Production)



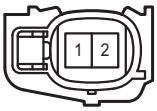
90980-10844

S9
Black



90980-10928

h1
Black



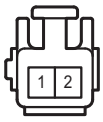
90980-11875

h2
Black



90980-11875

r1
Black



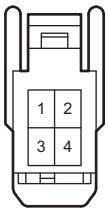
90980-10825

r3
White



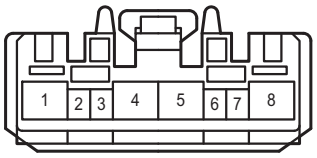
90980-10906

z7
White



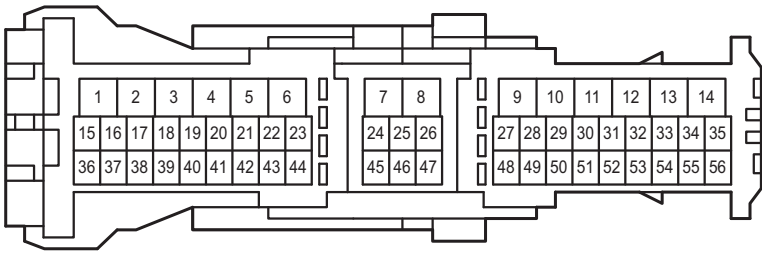
90980-12360

1B
White



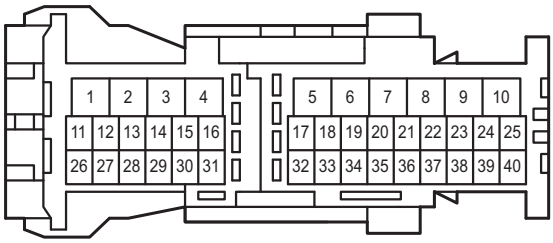
90980-12486

2A
White



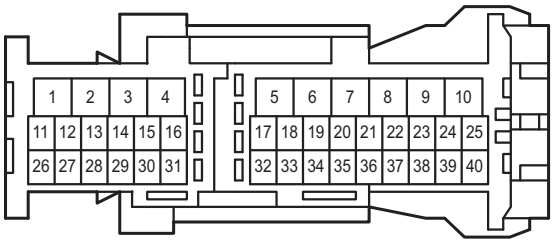
90980-12822

2D
White



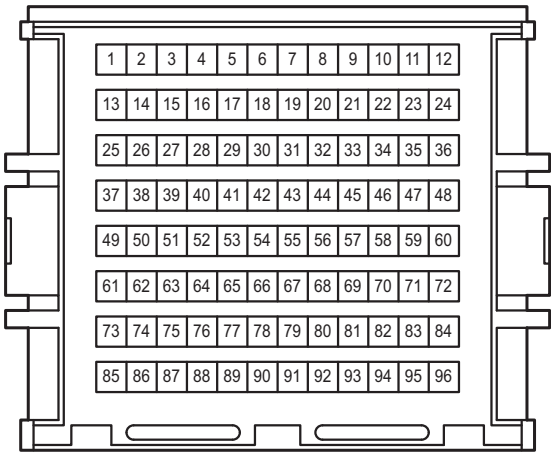
90980-12818

2F
White



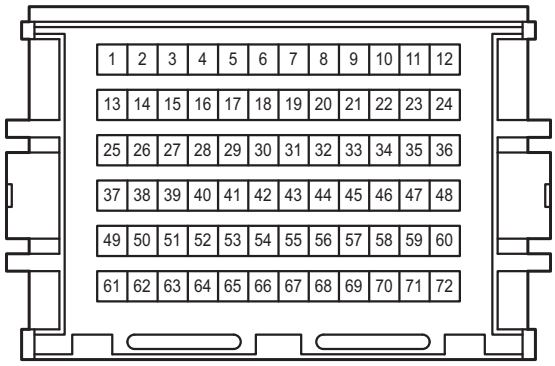
90980-12794

3A
White



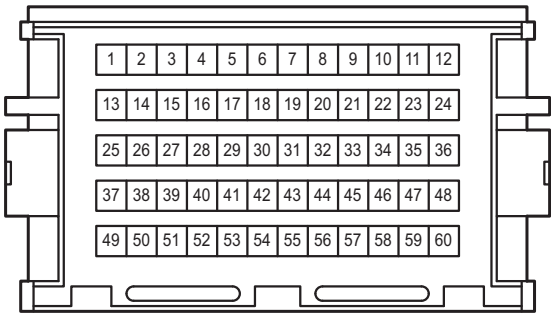
82890-12030

3B
White



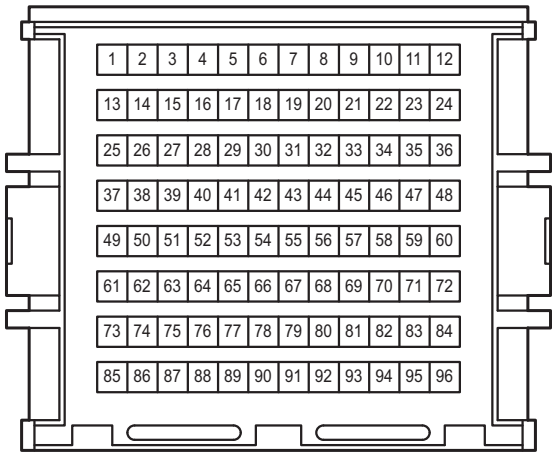
82890-42010

3C
White



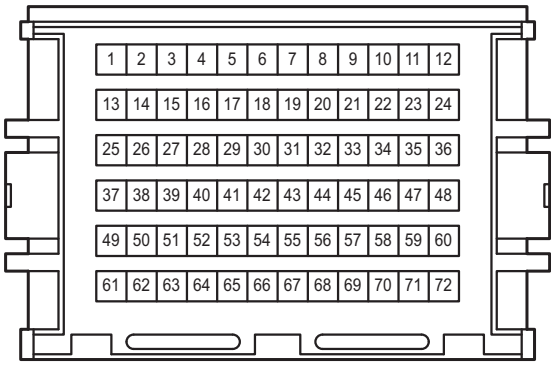
82890-12020

4A
White



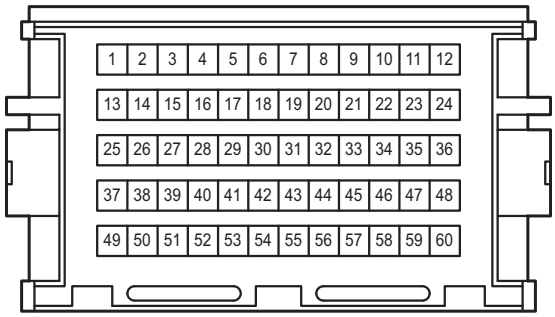
82890-12030

4B
White



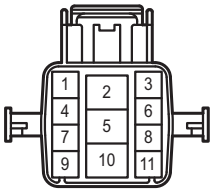
82890-42010

4C
White

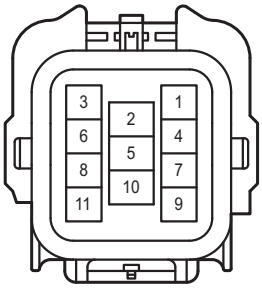


82890-12020

AC1
Black

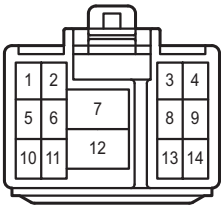


90980-11612

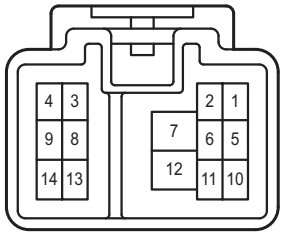


90980-11609

AR2
Gray



90980-10813

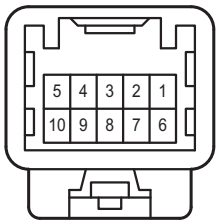


90980-10812

Ar2
Blue



90980-12368

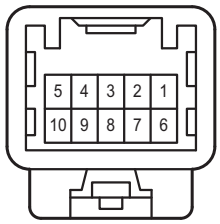


90980-12367

Ar3
Gray

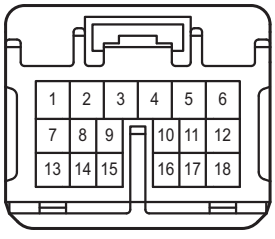


90980-12368

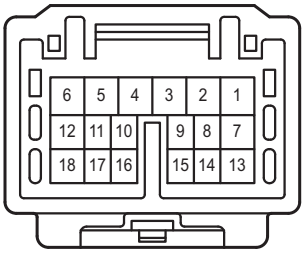


90980-12367

CG1
White

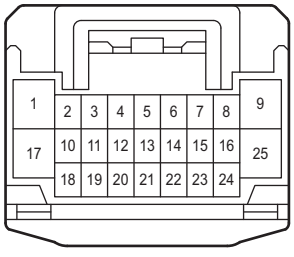


90980-12745

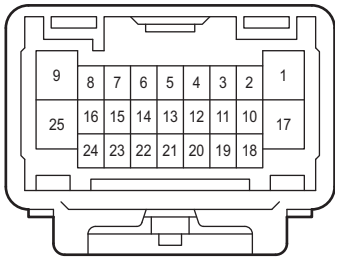


90980-12744

CG2
White



90980-12414



90980-12413

Ch1
Dark Gray

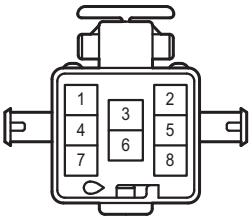


90980-10988

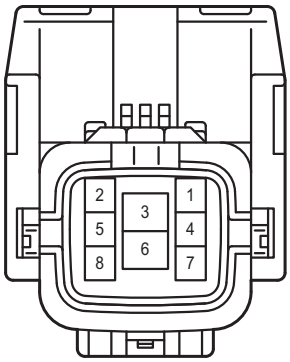


90980-10987

DA1
Black

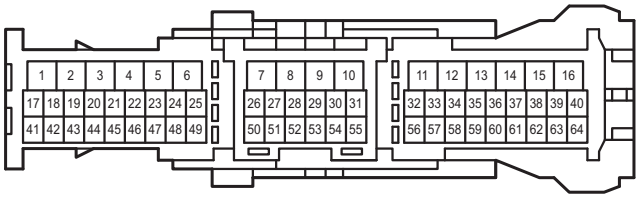


90980-11461

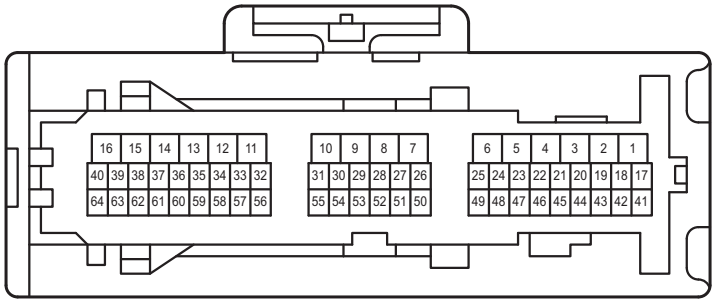


90980-11460

GA1
White

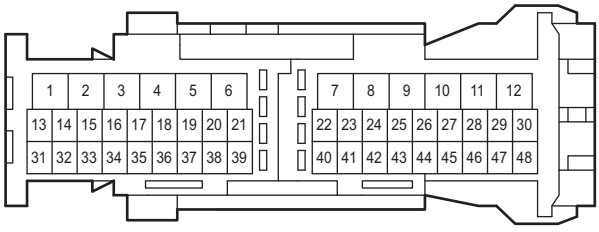


90980-12774

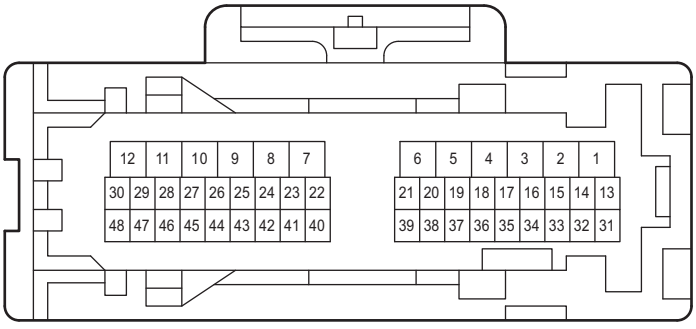


90980-12798

GA2
White

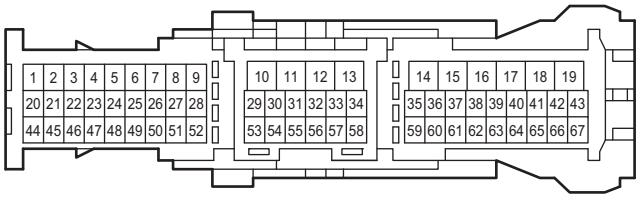


90980-12779

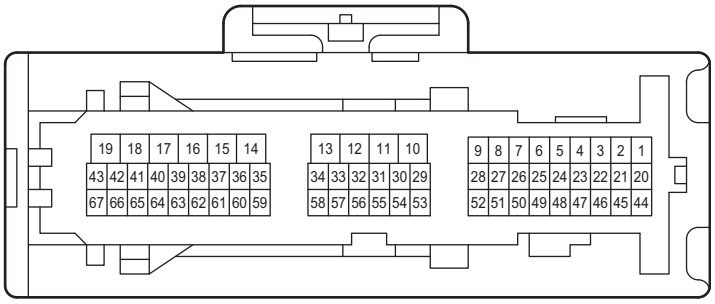


90980-12799

GA6
White

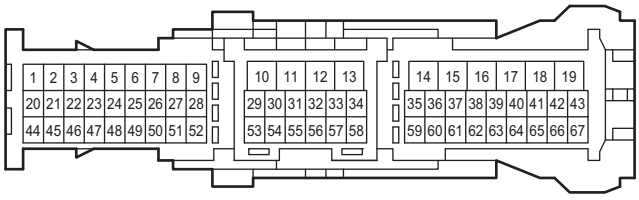


90980-12783

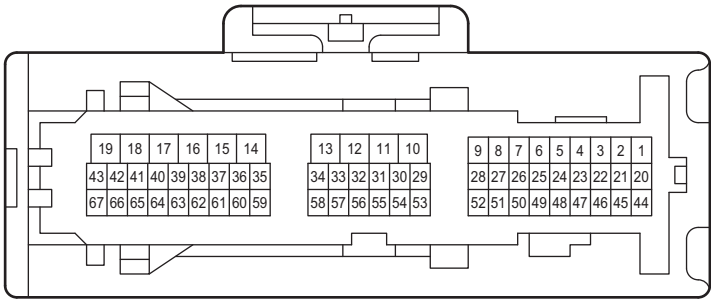


90980-12800

GR1
White



90980-12783



90980-12800

SR3
White



90980-10942



90980-10941