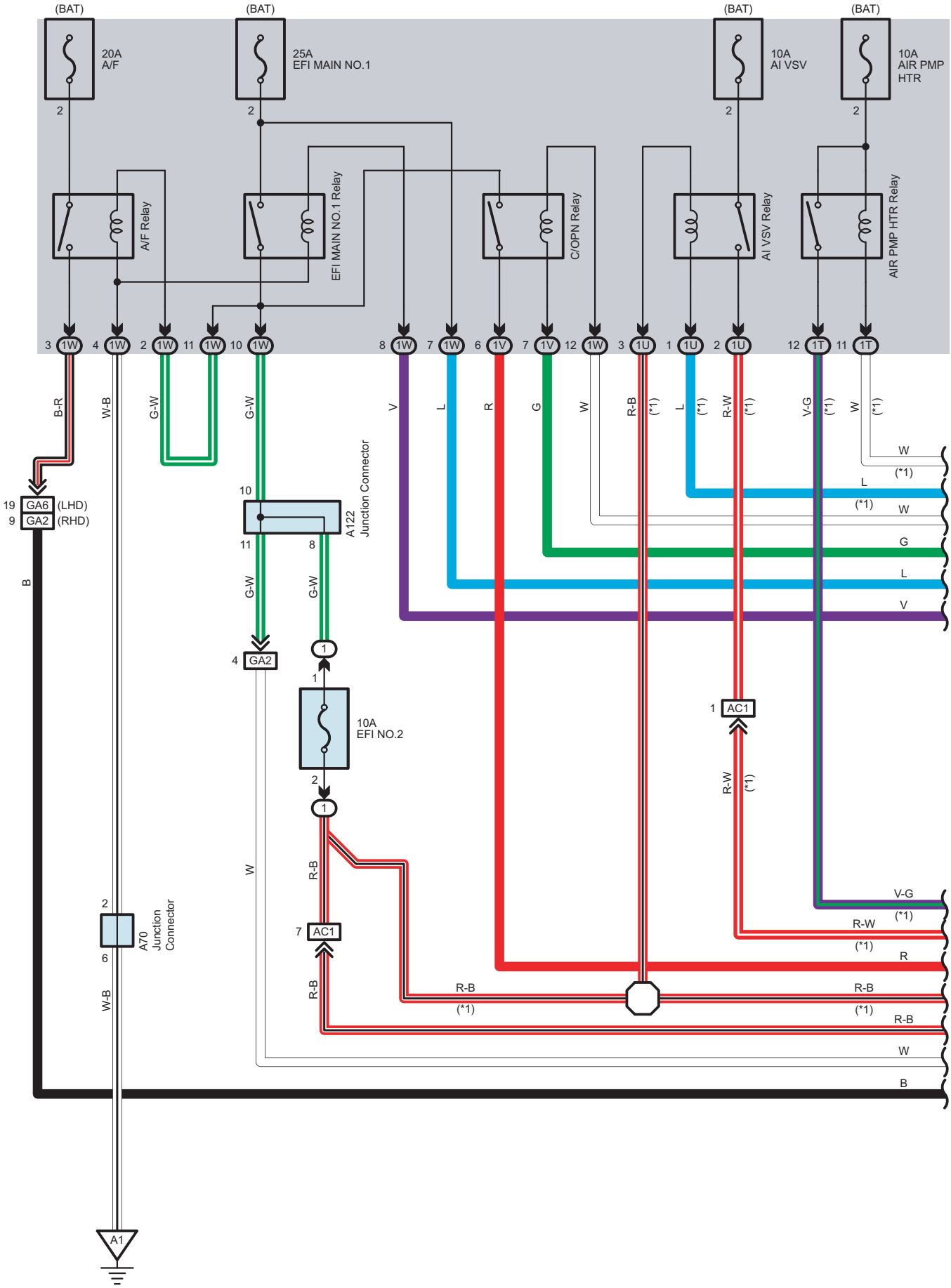
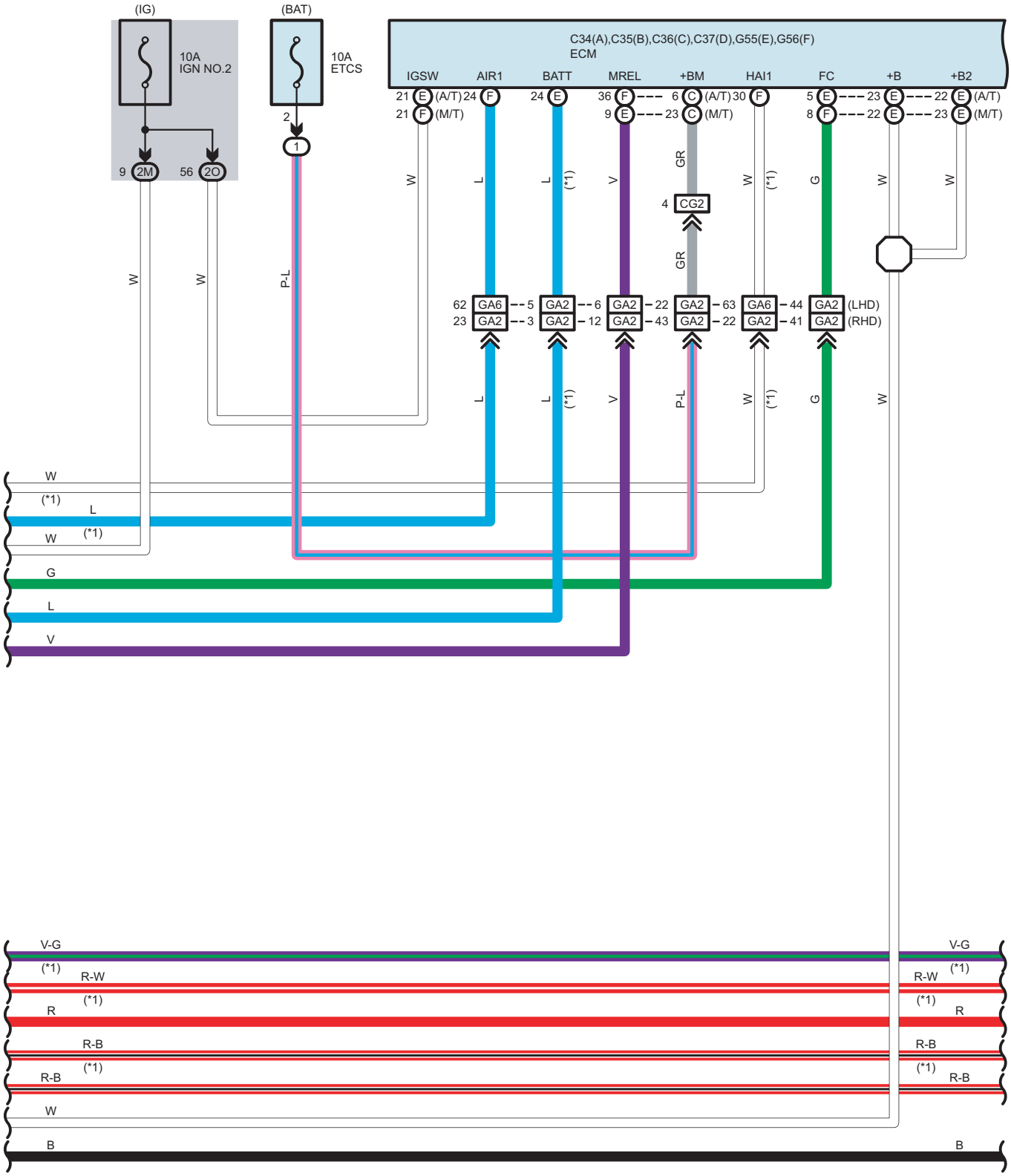
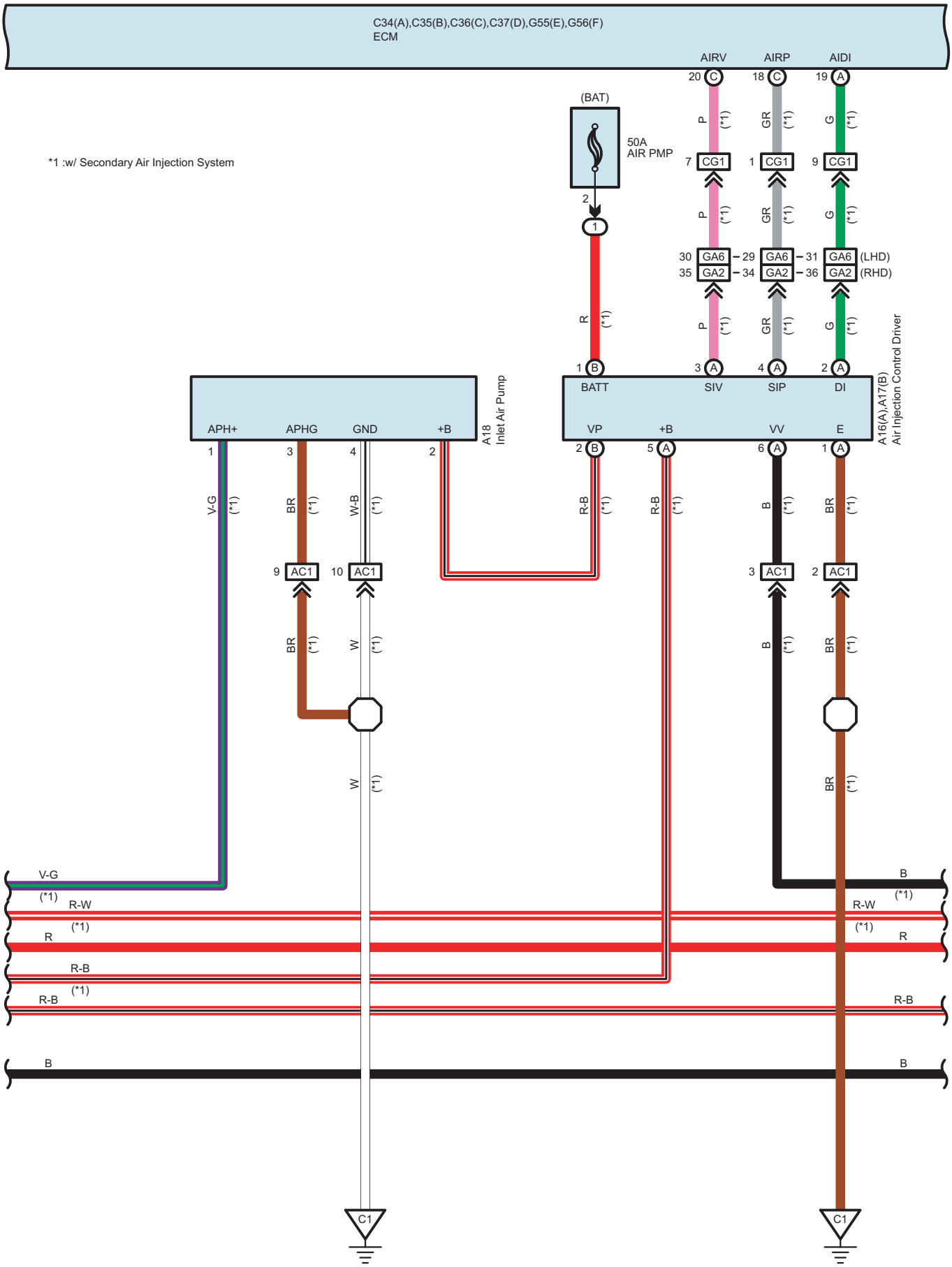
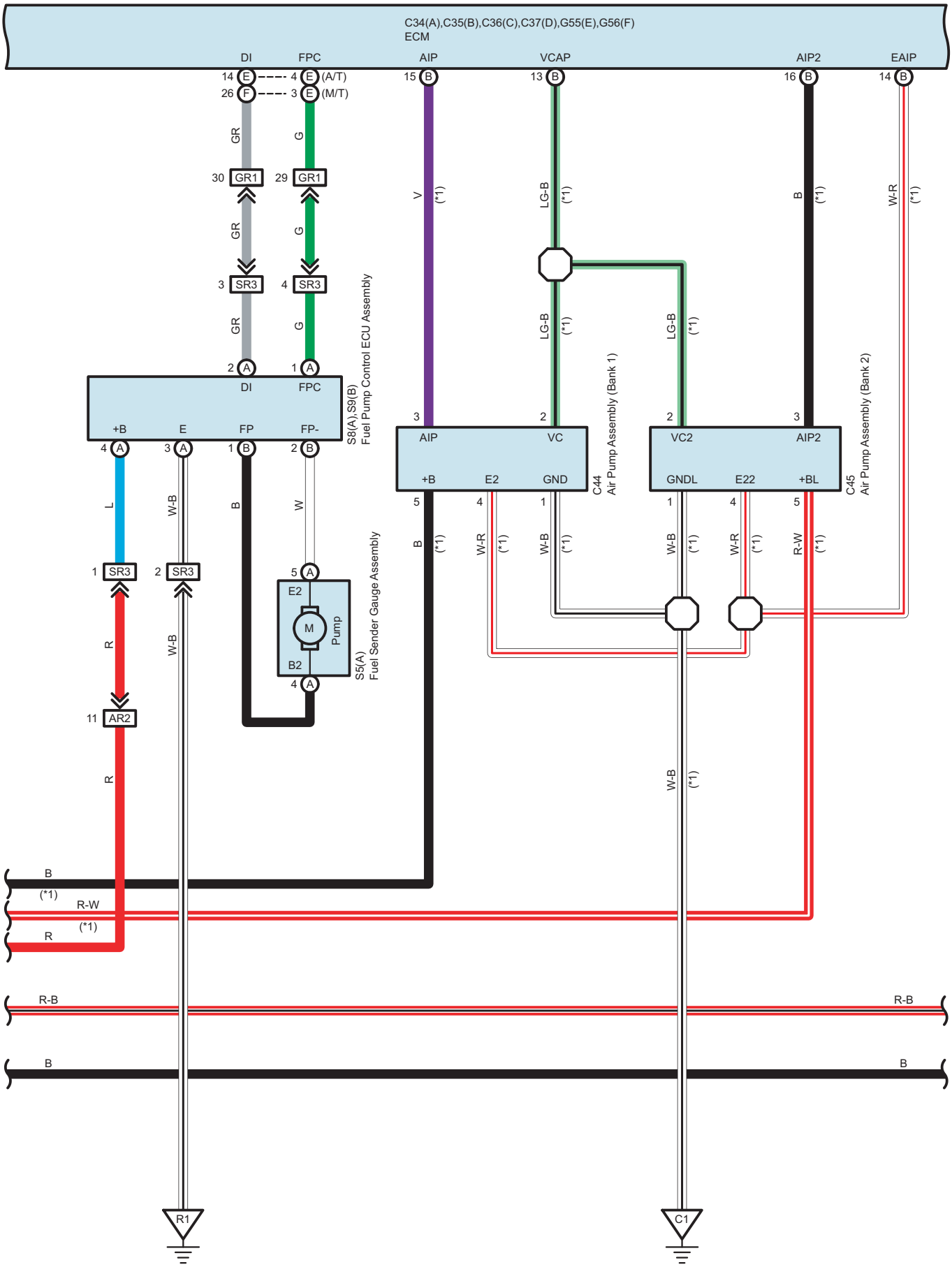
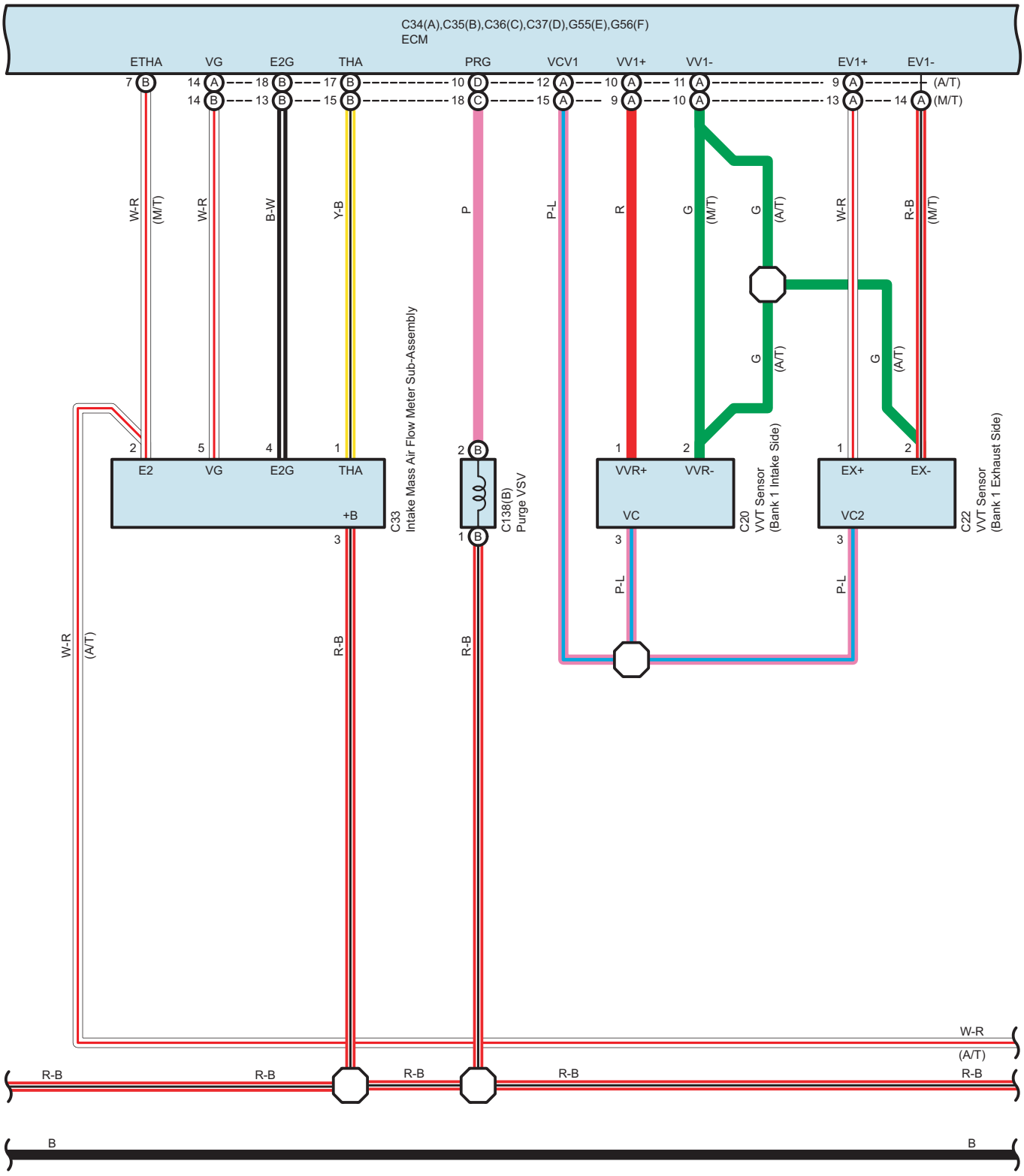

(BAT)
20A
A/F
25A
EFI MAIN NO.1
10A
AI VSV
10A
AIR PMP
HTR
A/F Relay
EFI MAIN NO.1 Relay
C/OPN Relay
AI VSV Relay
AIR PMP HTR Relay
1W
1V
1U
1T
B-R
W-B
G-W
V
L
R
G
W
R-B
R-W
V-G
(*1)
GA6 (LHD)
GA2 (RHD)
A122
Junction Connector
10A
EFI NO.2
AC1
A70
Junction
Connector
B
A1

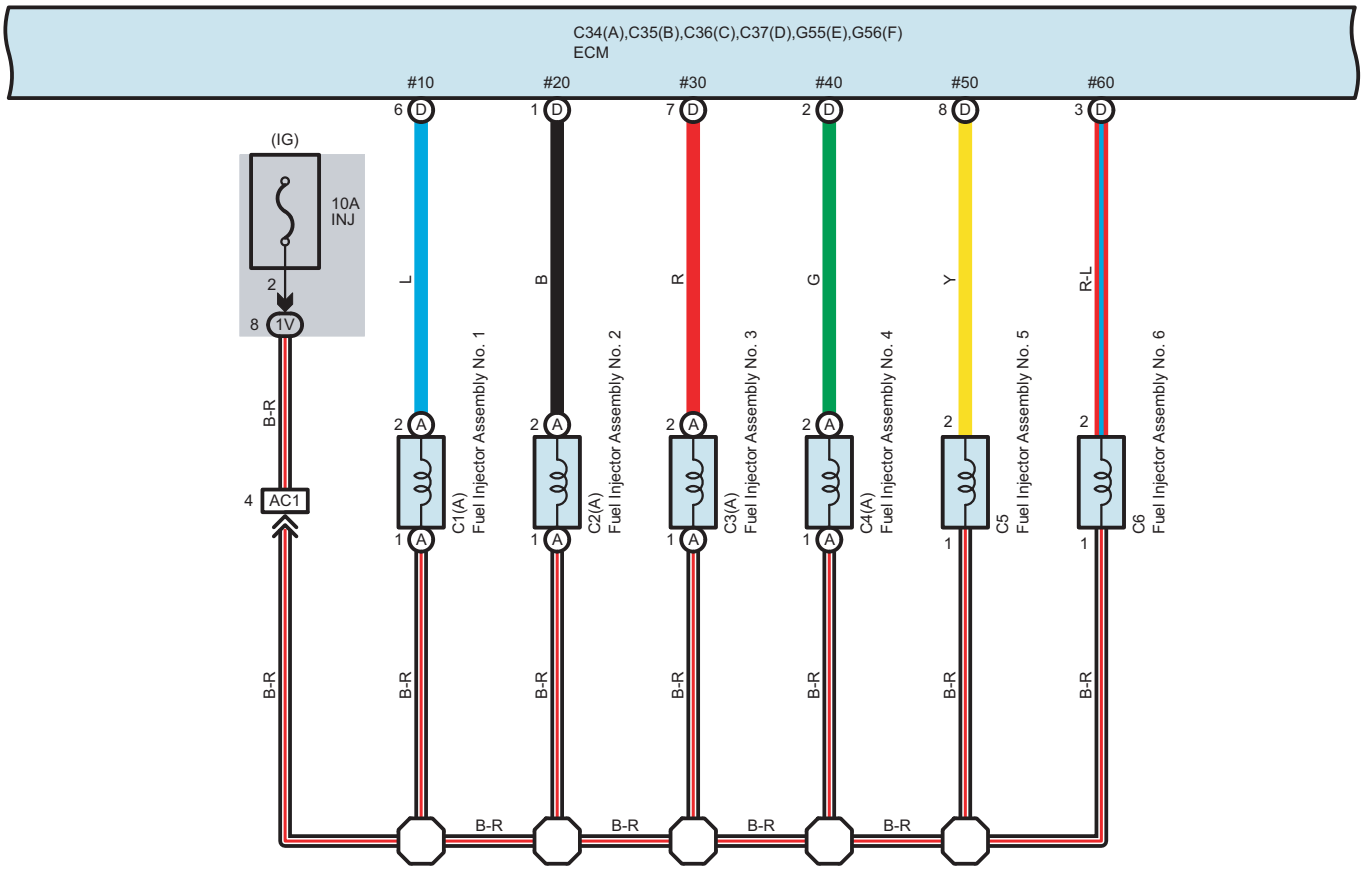


*1 :w/ Secondary Air Injection System

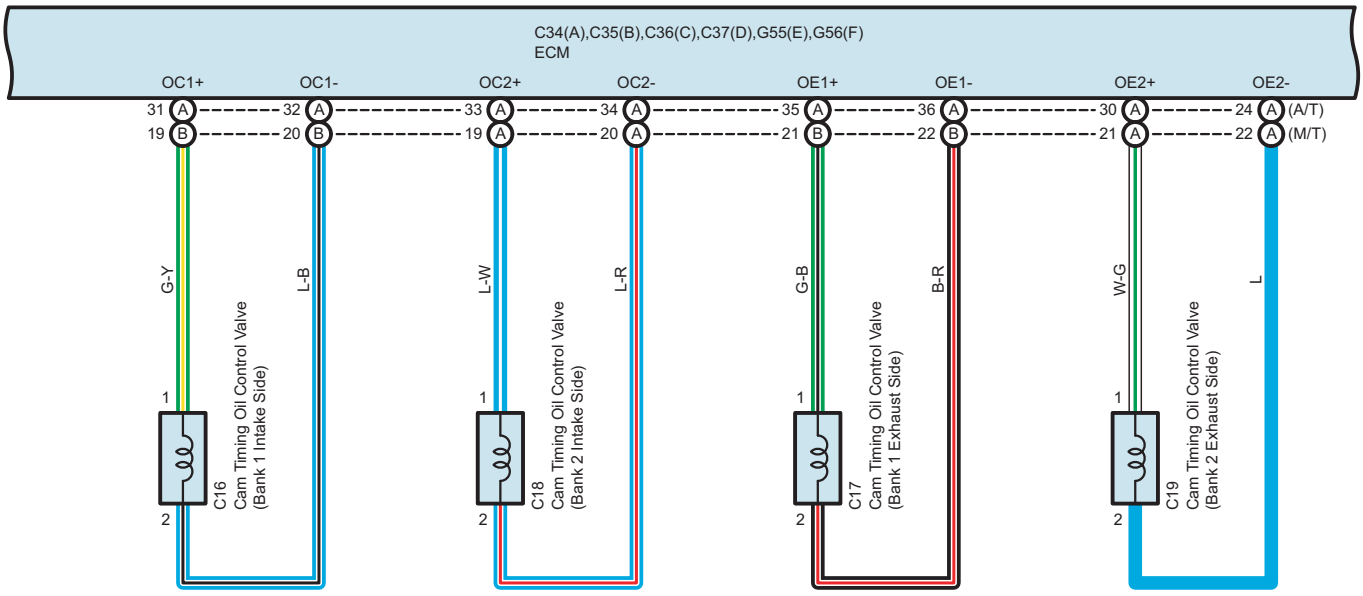

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
AIRV
AIRP
AIDI
20 C
18 C
19 A
(BAT)
50A
AIR PMP
*1 :w/ Secondary Air Injection System
P (*1)
GR (*1)
G (*1)
7 CG1
1 CG1
9 CG1
30 GA6 – 29 GA6 – 31 GA6 (LHD)
35 GA2 – 34 GA2 – 36 GA2 (RHD)
R (*1)
1 B
3 A
4 A
2 A
BATT
SIV
SIP
DI
A16(A),A17(B)
Air Injection Control Driver
APH+
APHG
GND
+B
A18
Inlet Air Pump
VP
+B
VV
E
1
3
4
2
2 B
5 A
6 A
1 A
V-G (*1)
BR (*1)
W-B (*1)
R-B (*1)
R-B (*1)
B (*1)
BR (*1)
9 AC1
10 AC1
3 AC1
2 AC1
BR (*1)
W (*1)
B (*1)
BR (*1)
W (*1)
BR (*1)
V-G
(*1)
R-W
(*1)
R
R-B
(*1)
R-B
B
B
(*1)
R-W
(*1)
R
R-B
B
C1
C1


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
DI
FPC
AIP
VCAP
AIP2
EAIP
14 E
26 F
4 E (A/T)
3 E (M/T)
15 B
13 B
16 B
14 B
GR
G
V
LG-B
B
W-R
(*1)
30 GR1
29 GR1
3 SR3
4 SR3
2 A
1 A
DI
FPC
+B
E
FP
FP-
S8(A),S9(B)
Fuel Pump Control ECU Assembly
3
2
AIP
VC
VC2
AIP2
C44
Air Pump Assembly (Bank 1)
C45
Air Pump Assembly (Bank 2)
+B
E2
GND
GNDL
E22
+BL
5
4
1
L
W-B
B
W
W-R
W-B
R-W
R
4 A
3 A
1 B
2 B
1 SR3
2 SR3
5 A
E2
M
Pump
B2
S5(A)
Fuel Sender Gauge Assembly
4 A
11 AR2
R-B
R1
C1

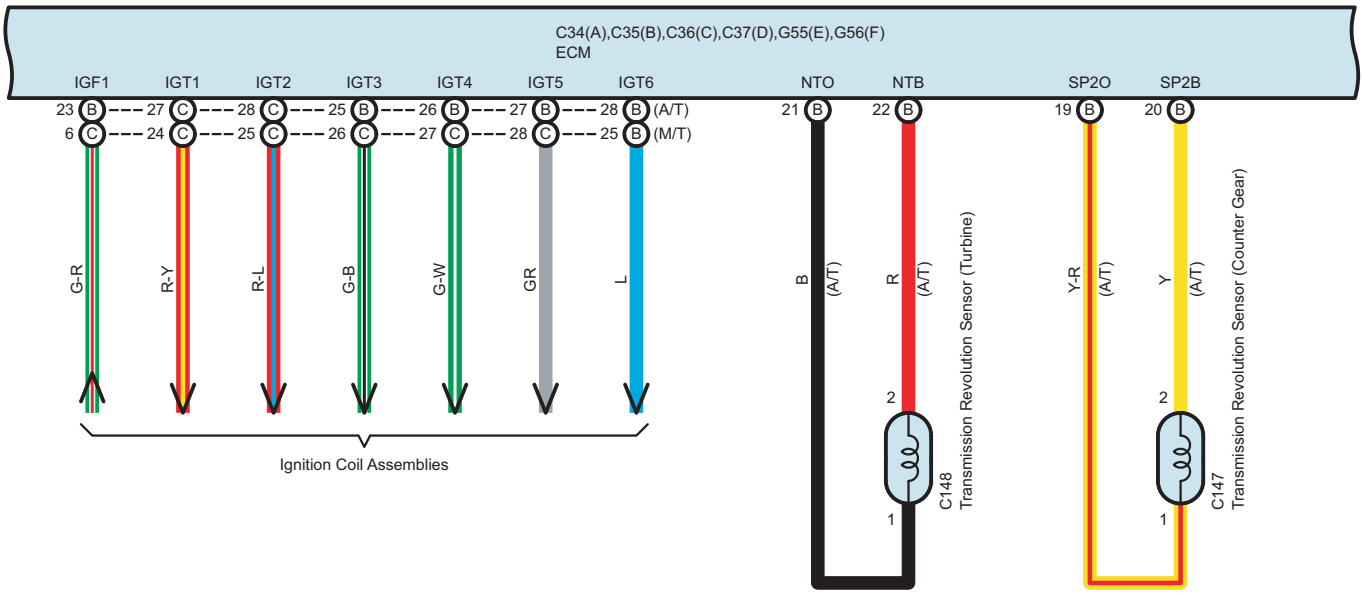

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
ETHA
VG
E2G
THA
PRG
VCV1
VV1+
VV1-
EV1+
EV1-
(A/T)
(M/T)
W-R
B-W
Y-B
P
P-L
R
G
R-B
E2
+B
C33
Intake Mass Air Flow Meter Sub-Assembly
C138(B)
Purge VSV
VVR+
VVR-
VC
C20
VVT Sensor
(Bank 1 Intake Side)
EX+
EX-
VC2
C22
VVT Sensor
(Bank 1 Exhaust Side)
B


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
#10
#20
#30
#40
#50
#60
6 D
1 D
7 D
2 D
8 D
3 D
(IG)
10A
INJ
2
8 1V
B-R
4 AC1
L
B
R
G
Y
R-L
2 A
1 A
C1(A) Fuel Injector Assembly No. 1
C2(A) Fuel Injector Assembly No. 2
C3(A) Fuel Injector Assembly No. 3
C4(A) Fuel Injector Assembly No. 4
C5 Fuel Injector Assembly No. 5
C6 Fuel Injector Assembly No. 6
B-R

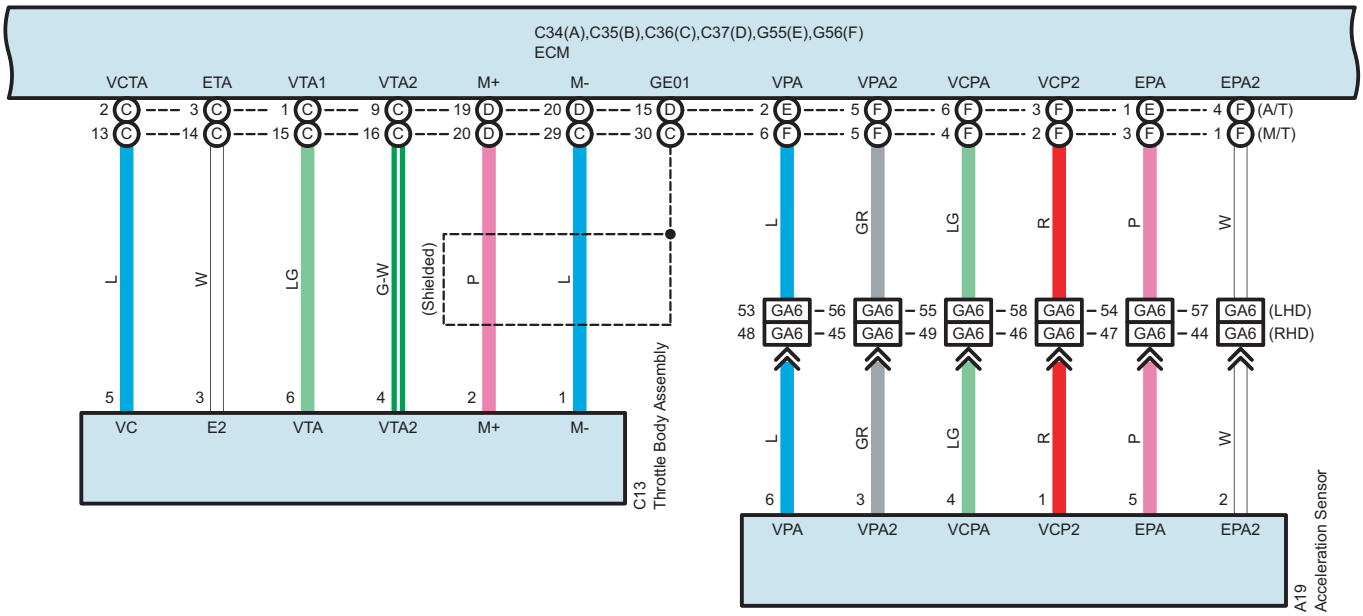

W-R
(A/T)
R-B
B
W-R
(A/T)
R-B
B


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
OC1+
OC1-
OC2+
OC2-
OE1+
OE1-
OE2+
OE2-
31 A
19 B
32 A
20 B
33 A
19 A
34 A
20 A
35 A
21 B
36 A
22 B
30 A
21 A
24 A (A/T)
22 A (M/T)
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)

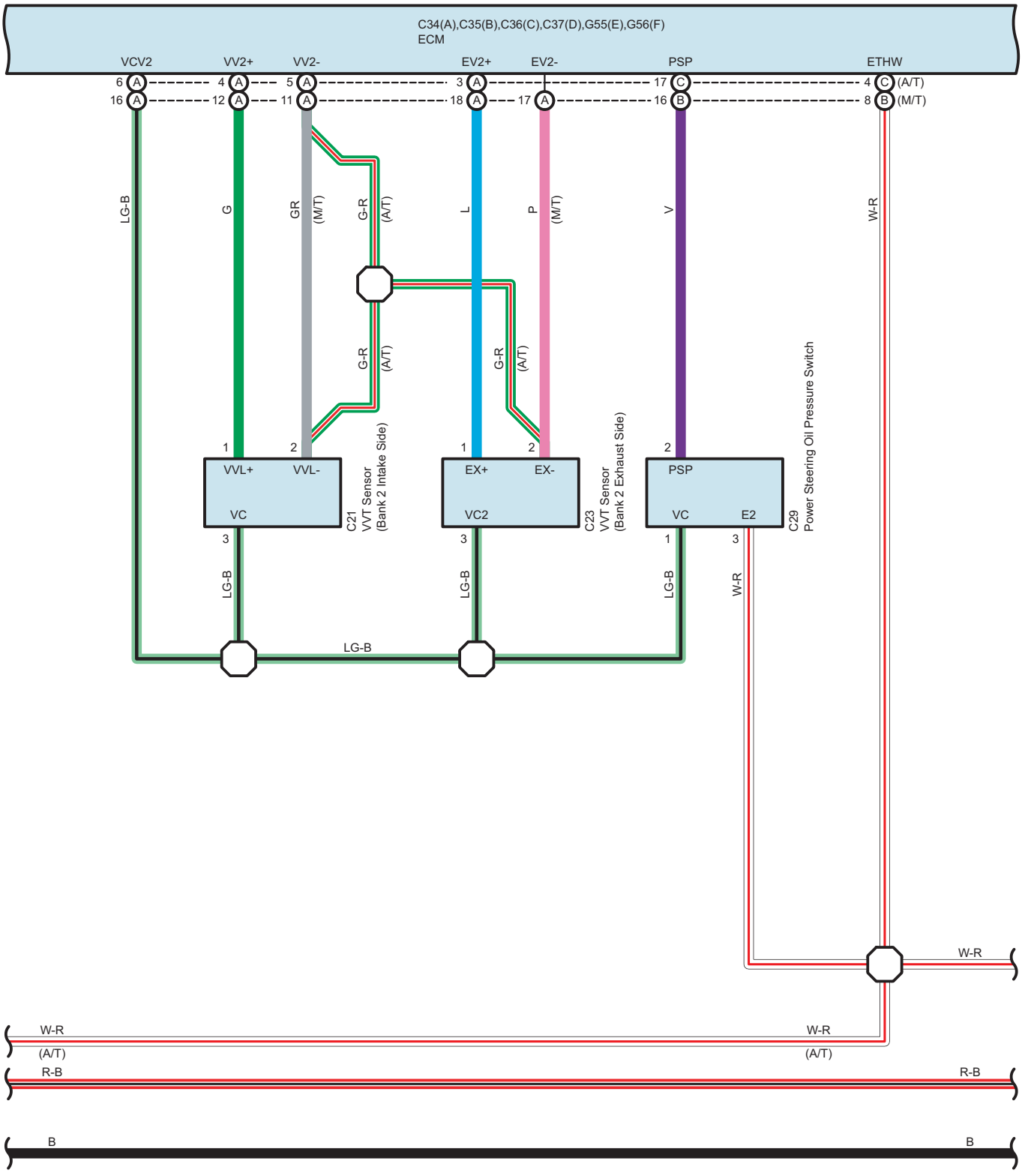

W-R
(A/T)
R-B
B
W-R
(A/T)
R-B
B

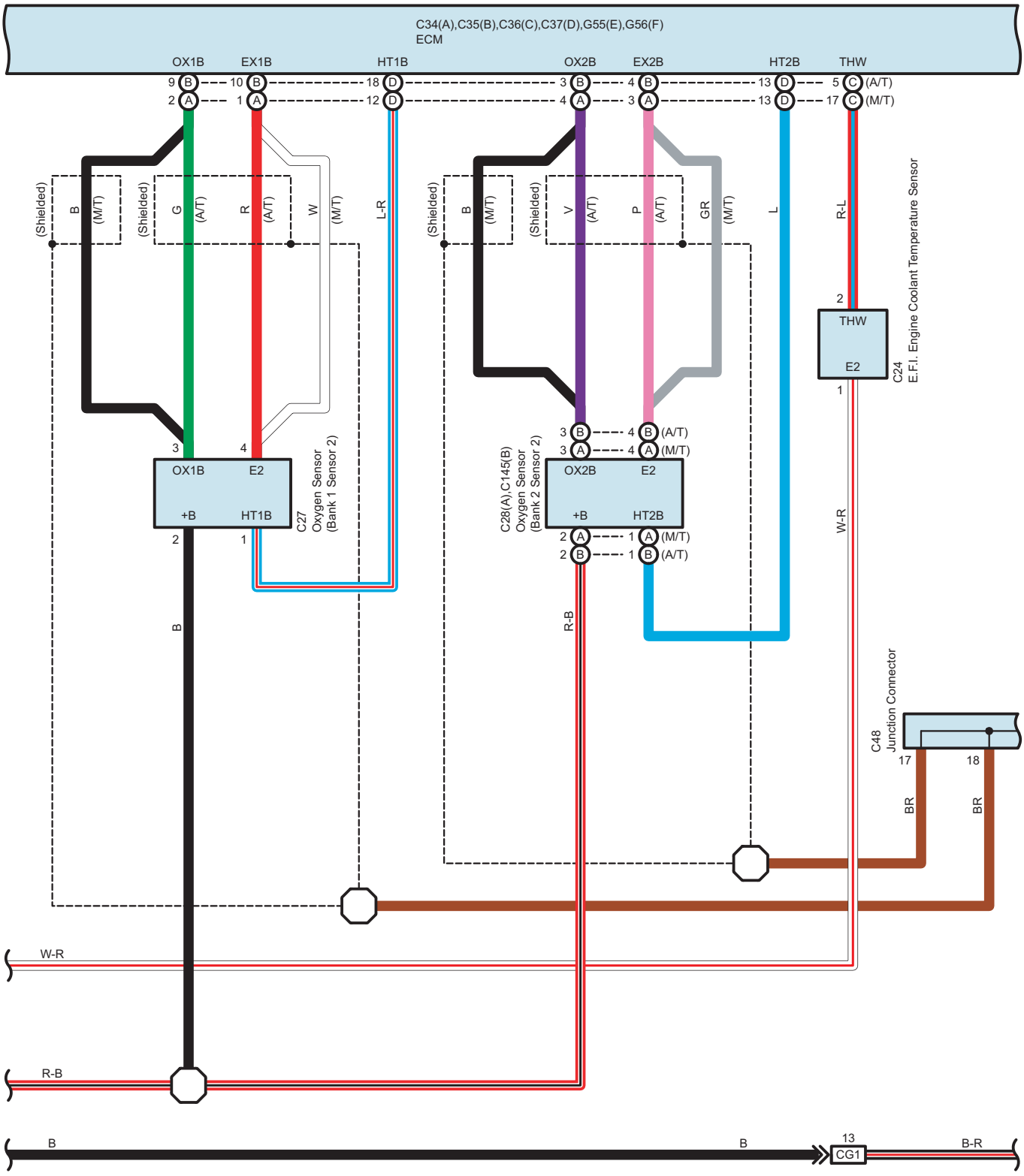

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
IGF1
IGT1
IGT2
IGT3
IGT4
IGT5
IGT6
NTO
NTB
SP2O
SP2B
23 B 27 C 28 C 25 B 26 B 27 B 28 B (A/T)
6 C 24 C 25 C 26 C 27 C 28 C 25 B (M/T)
G-R
R-Y
R-L
G-B
G-W
GR
L
21 B
22 B
19 B
20 B
B (A/T)
R (A/T)
Y-R (A/T)
Y (A/T)
2
1
C148
Transmission Revolution Sensor (Turbine)
C147
Transmission Revolution Sensor (Counter Gear)
Ignition Coil Assemblies

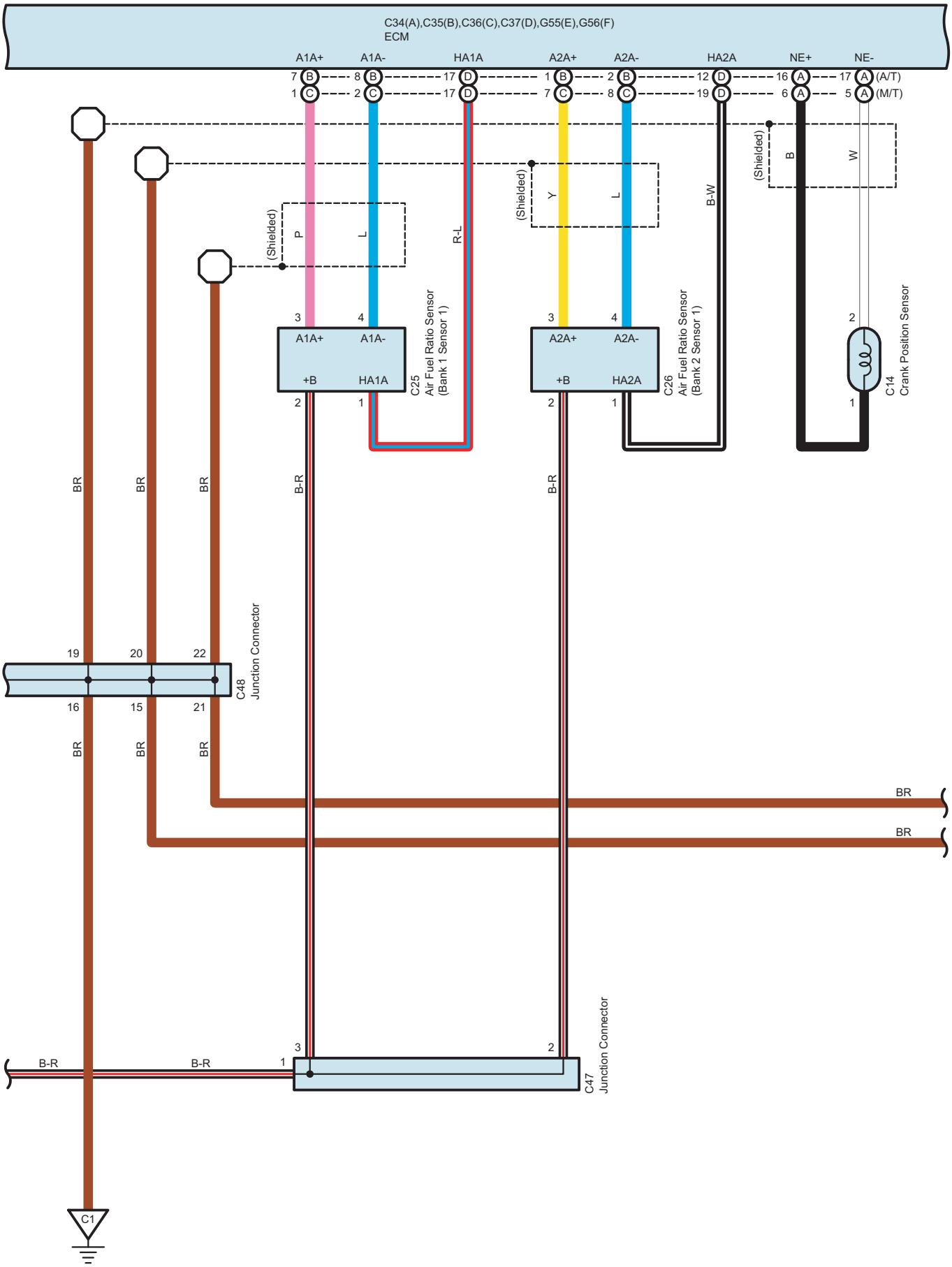

W-R
(A/T)
R-B
B
W-R
(A/T)
R-B
B

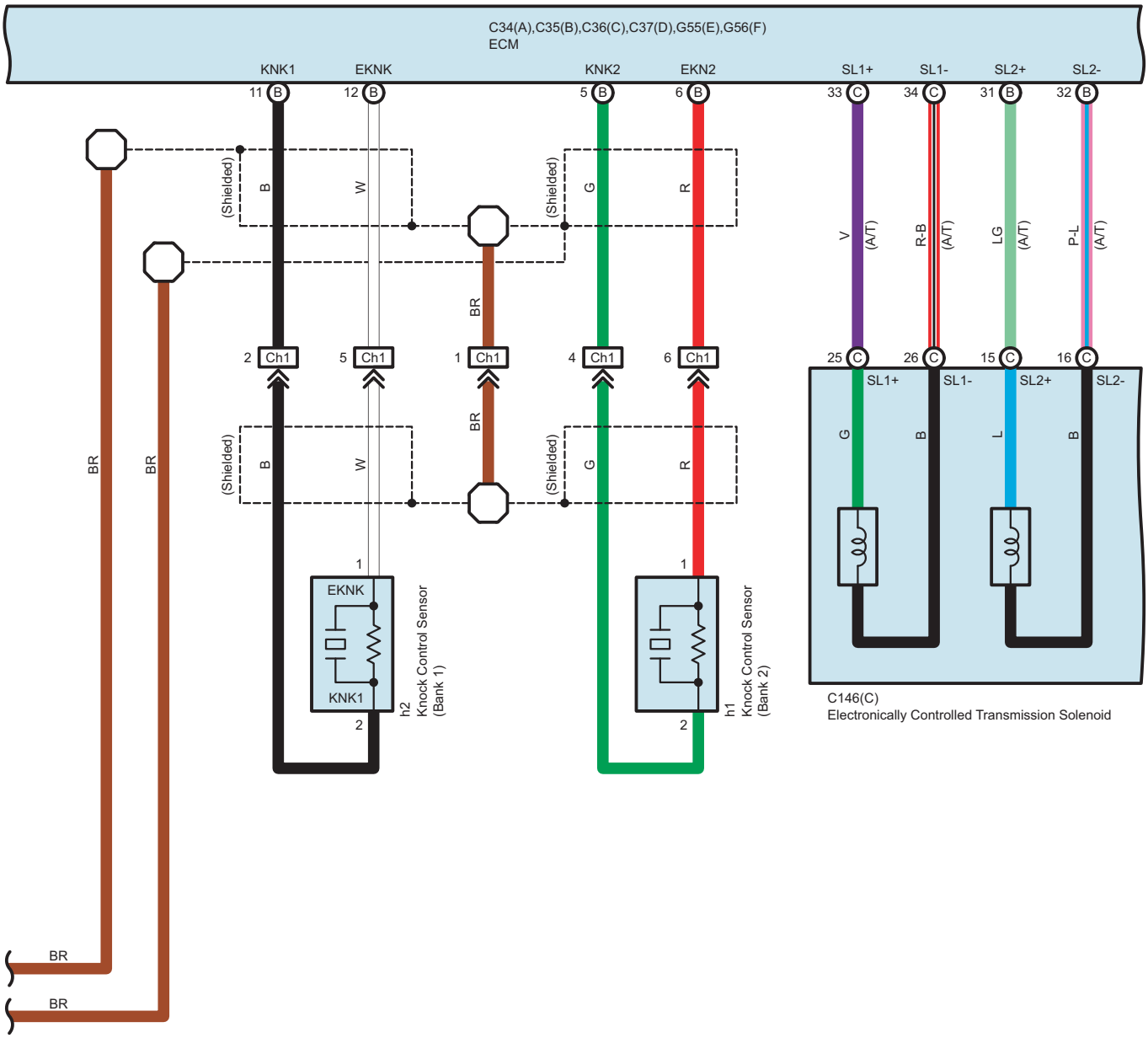

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
VCTA
ETA
VTA1
VTA2
M+
M-
GE01
VPA
VPA2
VCPA
VCP2
EPA
EPA2
(A/T)
(M/T)
L
W
LG
G-W
(Shielded)
P
L
GR
LG
R
P
W
GA6
(LHD)
(RHD)
VC
E2
VTA
VTA2
M+
M-
C13
Throttle Body Assembly
VPA
VPA2
VCPA
VCP2
EPA
EPA2
A19
Acceleration Sensor

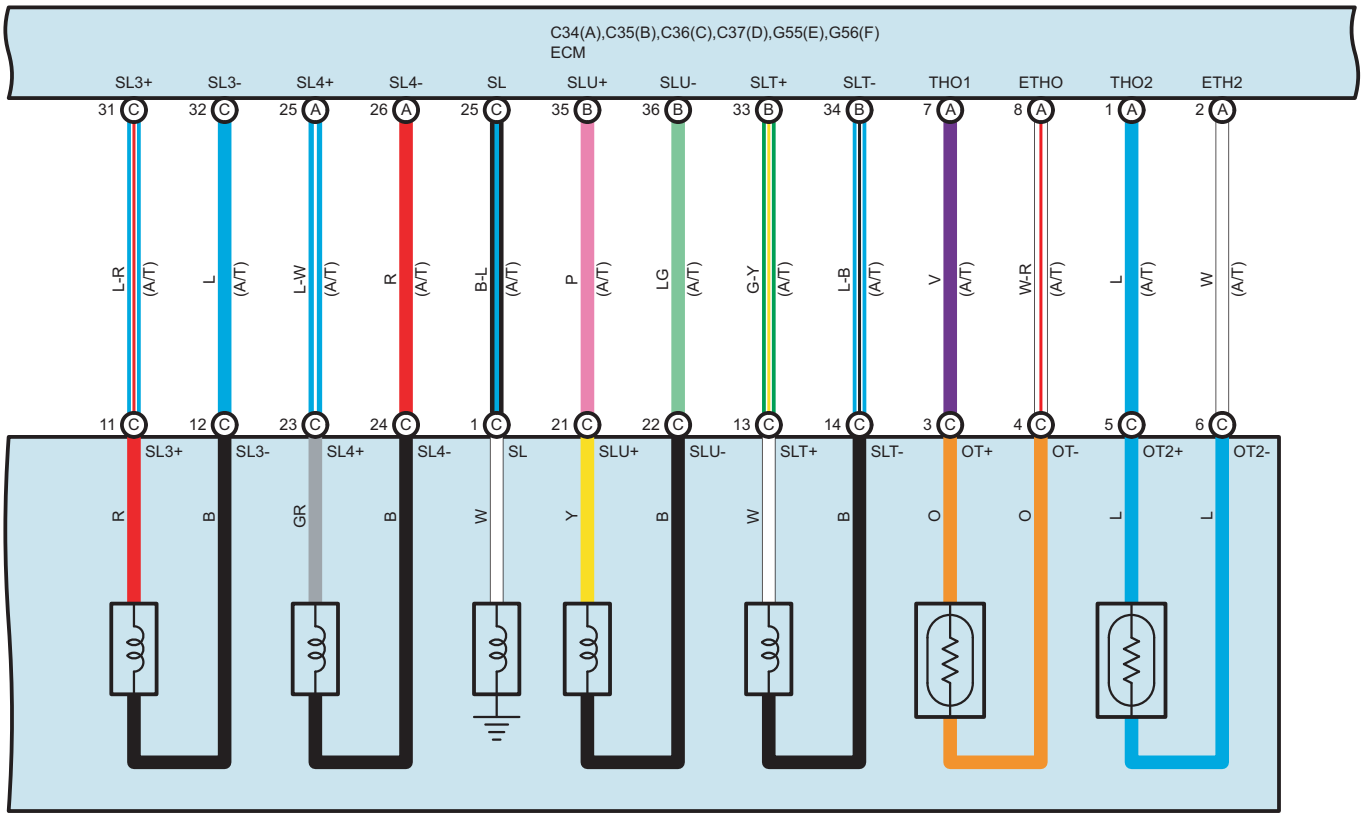

W-R
(A/T)
R-B
B


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
VCV2
VV2+
VV2-
EV2+
EV2-
PSP
ETHW
6 A
16 A
4 A
12 A
5 A
11 A
3 A
18 A
17 A
16 B
17 C
4 C (A/T)
8 B (M/T)
LG-B
G
GR (M/T)
G-R (A/T)
L
P (M/T)
V
W-R
G-R (A/T)
G-R (A/T)
1
2
VVL+
VVL-
VC
3
C21
VVT Sensor
(Bank 2 Intake Side)
1
2
EX+
EX-
VC2
3
C23
VVT Sensor
(Bank 2 Exhaust Side)
2
PSP
VC
E2
1
3
C29
Power Steering Oil Pressure Switch
LG-B
LG-B
LG-B
LG-B
W-R
W-R
W-R
(A/T)
W-R
(A/T)
R-B
R-B
B
B

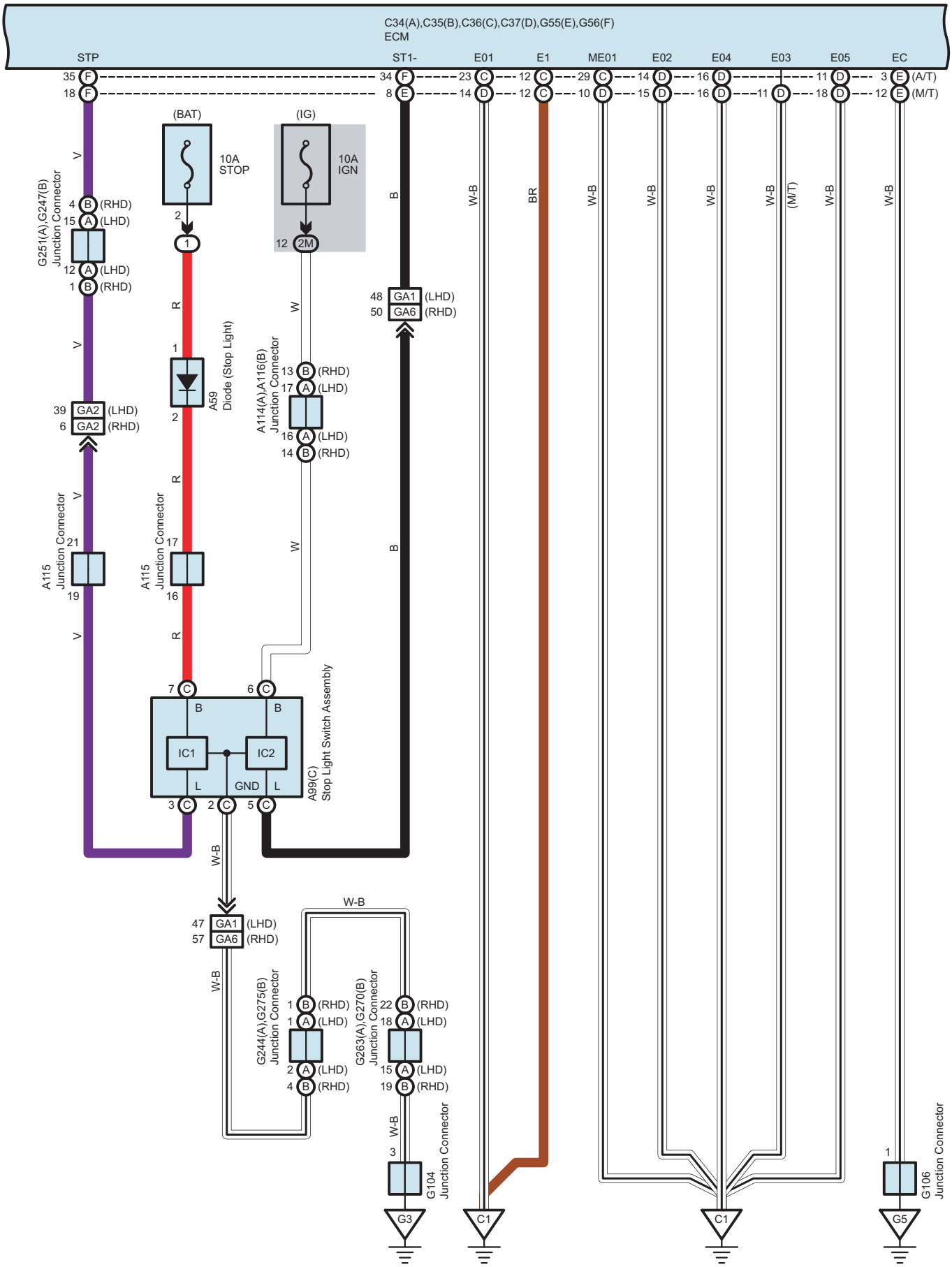

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
OX1B
EX1B
HT1B
OX2B
EX2B
HT2B
THW
(Shielded)
B
(M/T)
G
(A/T)
R
W
L-R
V
P
GR
L
R-L
C27
Oxygen Sensor
(Bank 1 Sensor 2)
C28(A),C145(B)
Oxygen Sensor
(Bank 2 Sensor 2)
C24
E.F.I. Engine Coolant Temperature Sensor
+B
E2
W-R
R-B
B
BR
C48
Junction Connector
CG1
B-R

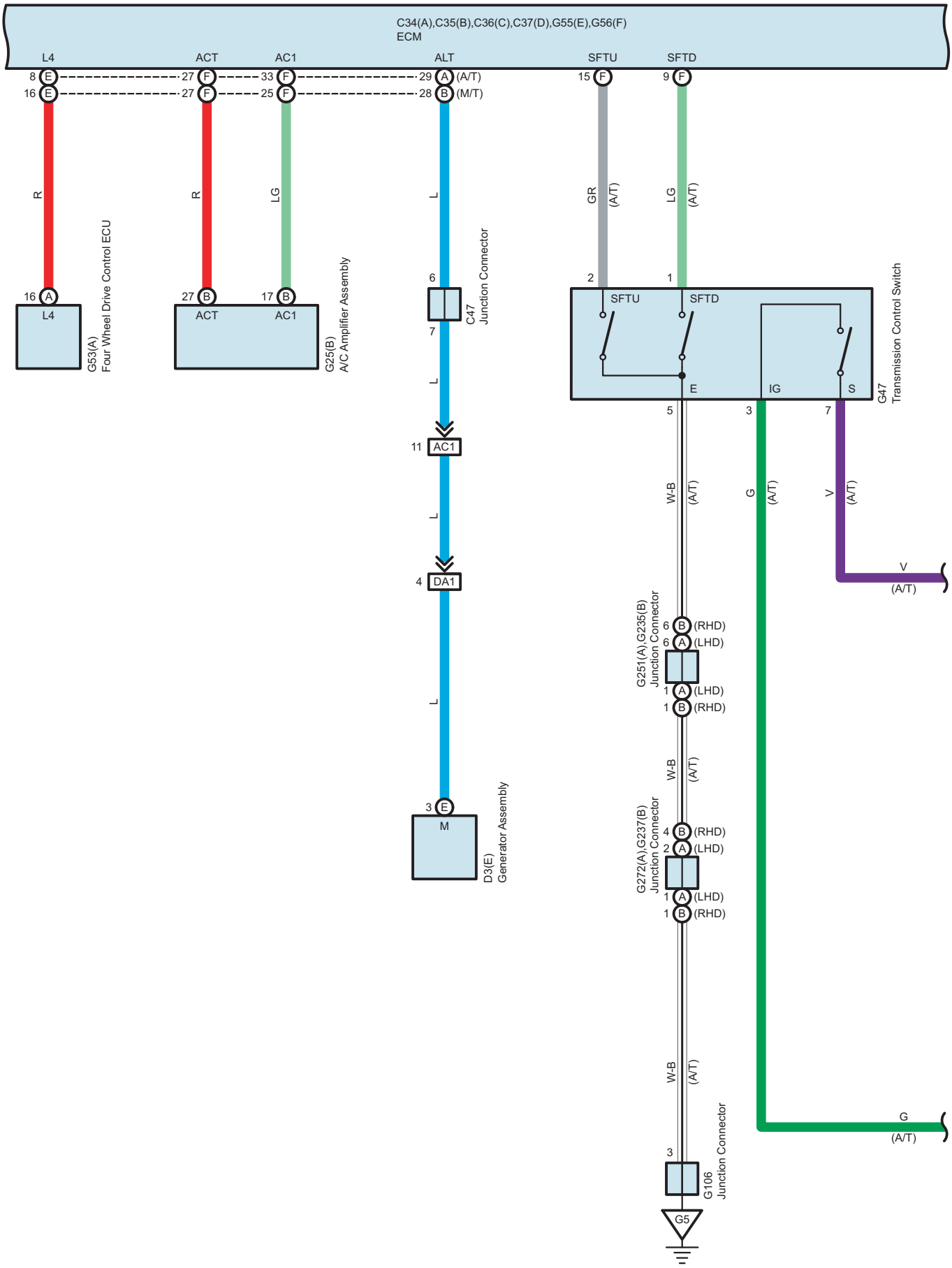

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
A1A+
A1A-
HA1A
A2A+
A2A-
HA2A
NE+
NE-
(A/T)
(M/T)
(Shielded)
P
L
R-L
Y
B-W
B
W
A1A+
A1A-
+B
HA1A
C25
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
A2A+
A2A-
+B
HA2A
C26
Air Fuel Ratio Sensor
(Bank 2 Sensor 1)
C14
Crank Position Sensor
BR
B-R
C48
Junction Connector
C47
Junction Connector
C1

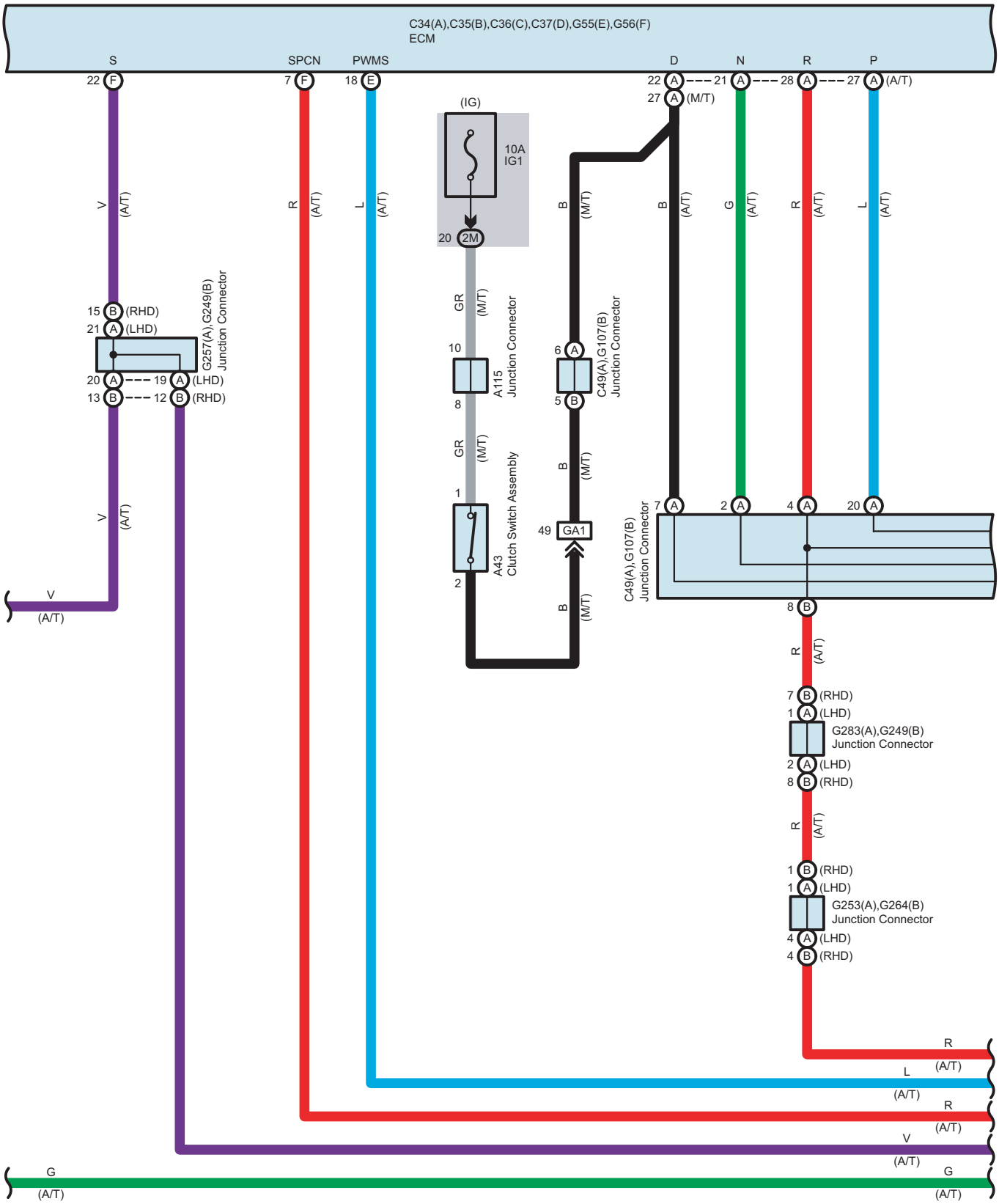

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
KNK1
EKNK
KNK2
EKN2
SL1+
SL1-
SL2+
SL2-
11 B
12 B
5 B
6 B
33 C
34 C
31 B
32 B
(Shielded)
B
W
G
R
V (A/T)
R-B (A/T)
LG (A/T)
P-L (A/T)
BR
2 Ch1
5 Ch1
1 Ch1
4 Ch1
6 Ch1
25 C
26 C
15 C
16 C
SL1+
SL1-
SL2+
SL2-
G
B
L
1
EKNK
KNK1
2
h2
Knock Control Sensor
(Bank 1)
h1
Knock Control Sensor
(Bank 2)
C146(C)
Electronically Controlled Transmission Solenoid

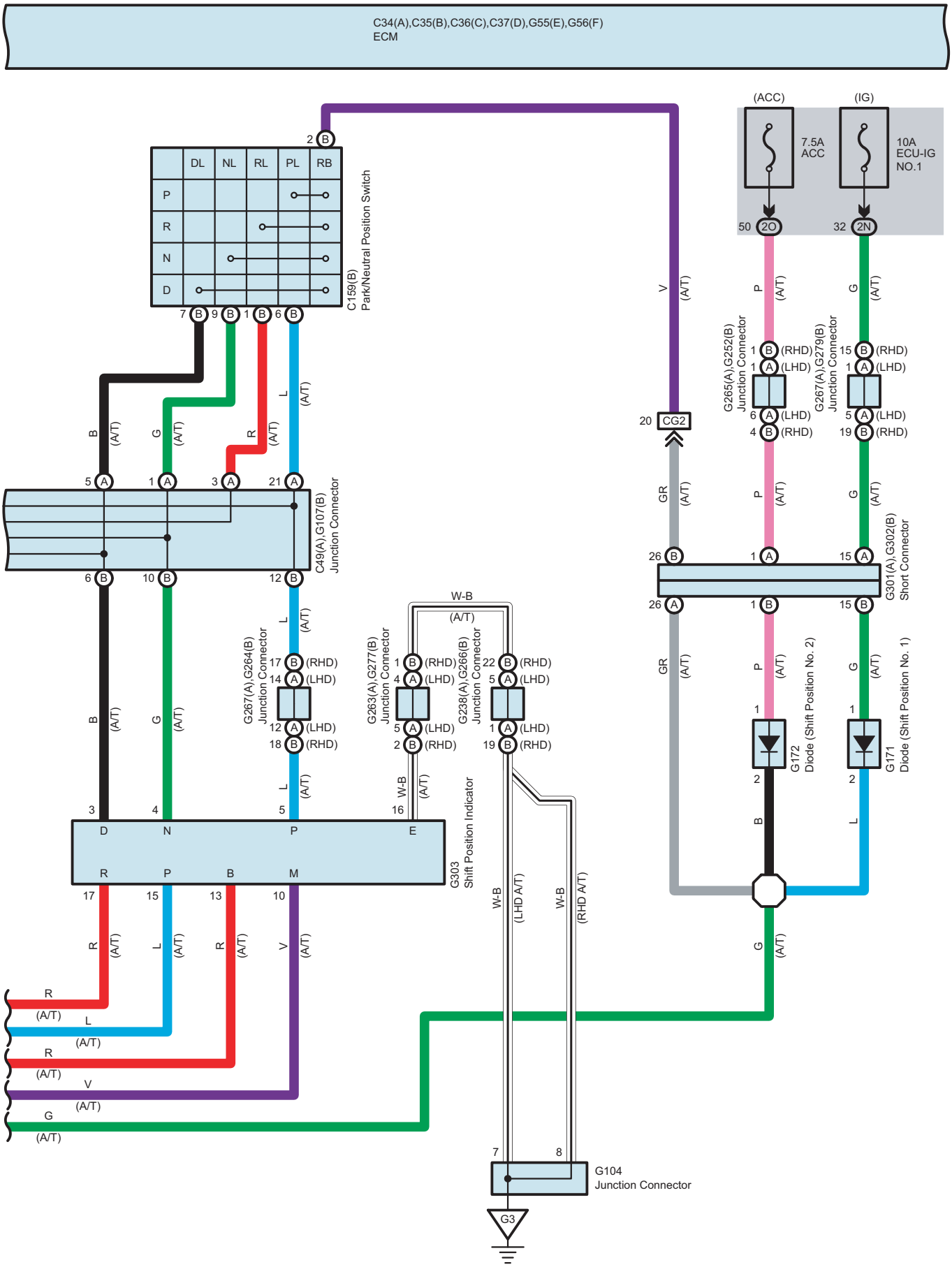


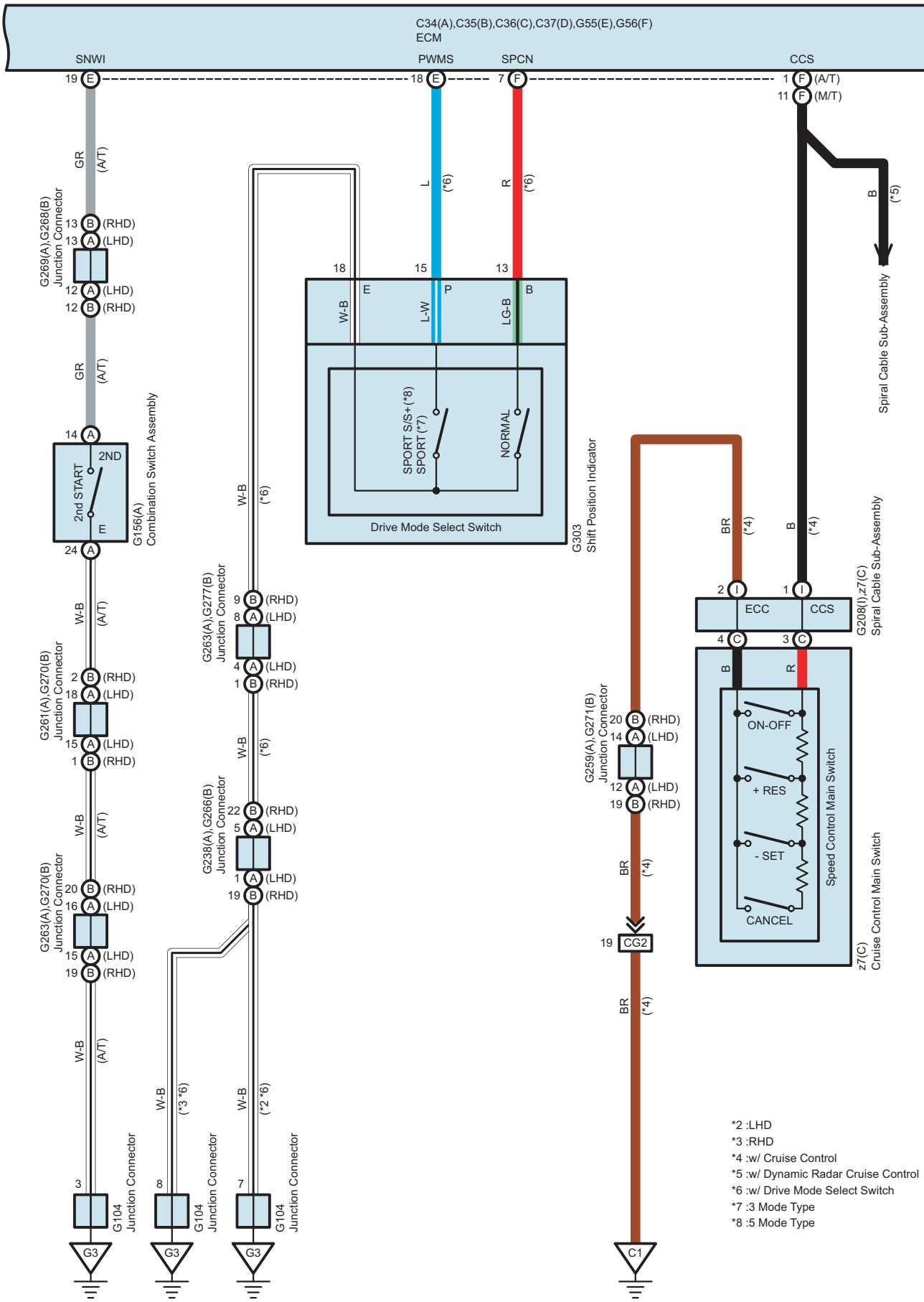
C146(C)
Electronically Controlled Transmission Solenoid

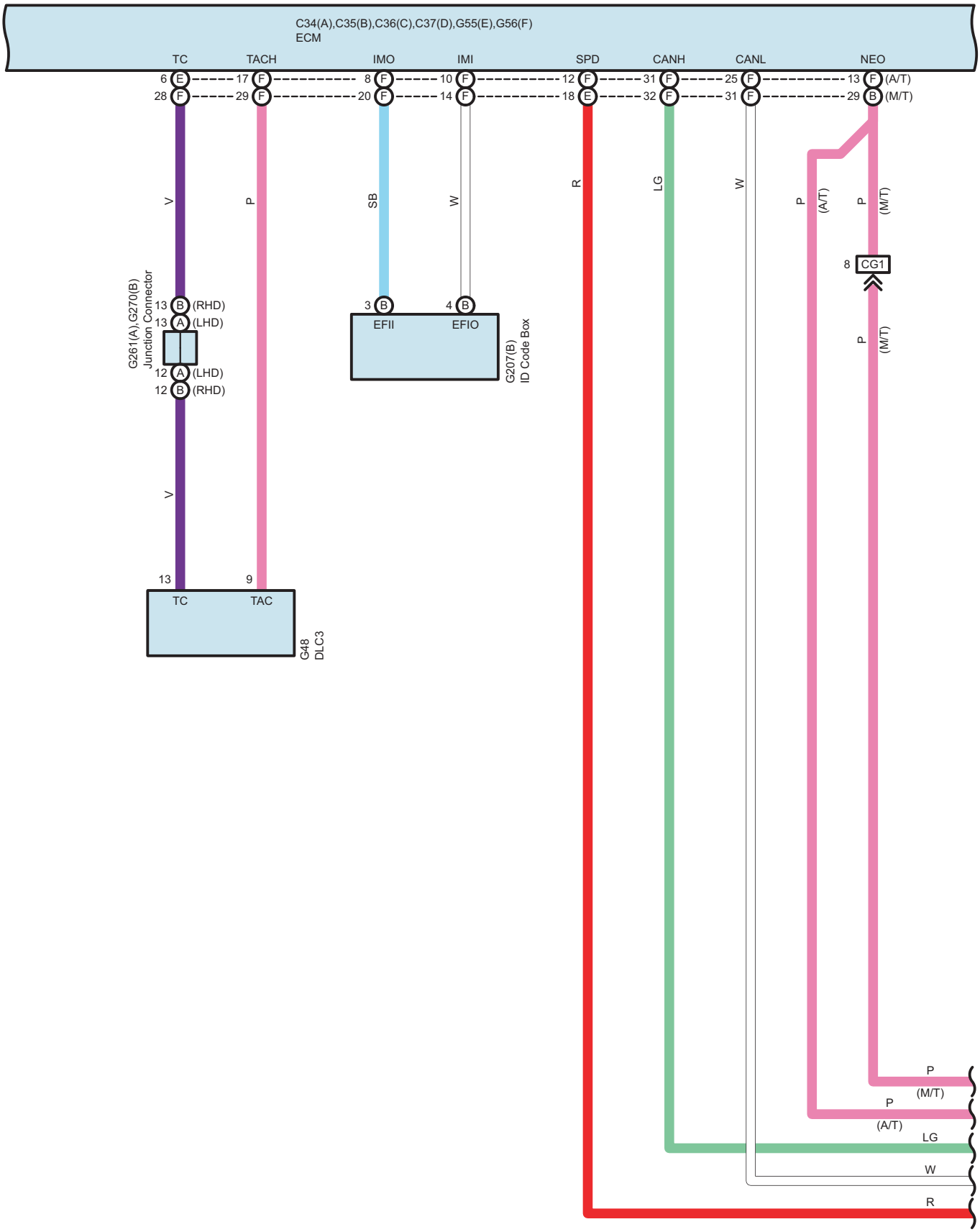

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
STP
ST1-
E01
E1
ME01
E02
E04
E03
E05
EC
(A/T)
(M/T)
(BAT)
(IG)
10A
STOP
10A
IGN
G251(A),G247(B)
Junction Connector
A114(A),A116(B)
Junction Connector
A115
Junction Connector
A59
Diode (Stop Light)
A99(C)
Stop Light Switch Assembly
IC1
IC2
GND
G244(A),G275(B)
Junction Connector
G263(A),G270(B)
Junction Connector
G104
Junction Connector
G106
Junction Connector
(RHD)
(LHD)
(M/T)
G3
C1
G5

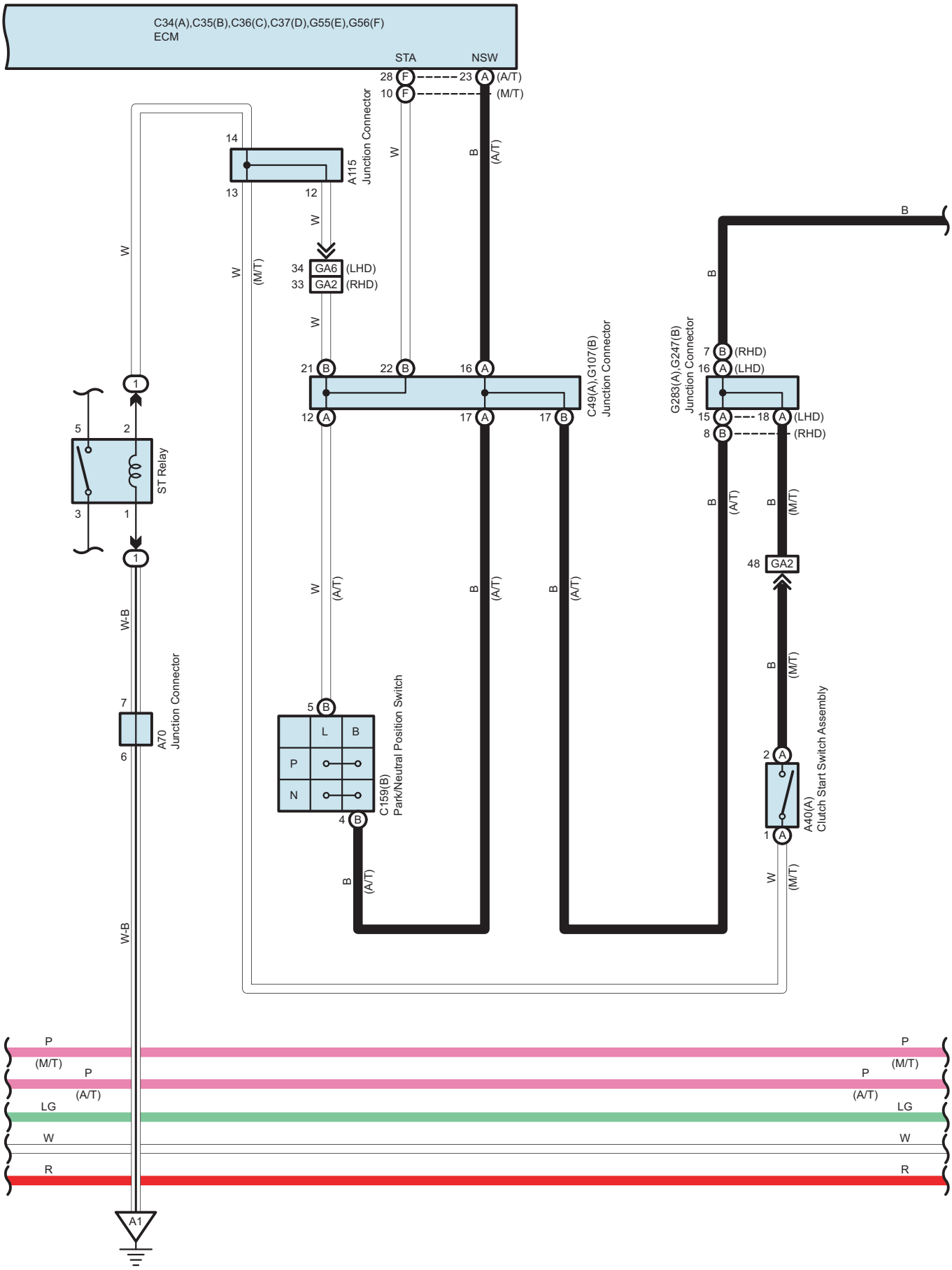

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
L4
ACT
AC1
ALT
SFTU
SFTD
8 E
16 E
27 F
27 F
33 F
25 F
29 A (A/T)
28 B (M/T)
15 F
9 F
R
R
LG
L
GR (A/T)
LG (A/T)
16 A
L4
G53(A)
Four Wheel Drive Control ECU
27 B
ACT
17 B
AC1
G25(B)
A/C Amplifier Assembly
6
7
C47
Junction Connector
2
1
SFTU
SFTD
E
IG
S
G47
Transmission Control Switch
5
3
7
11 AC1
4 DA1
W-B (A/T)
G (A/T)
V (A/T)
V
(A/T)
G251(A),G235(B)
Junction Connector
6 B (RHD)
6 A (LHD)
1 A (LHD)
1 B (RHD)
G272(A),G237(B)
Junction Connector
4 B (RHD)
2 A (LHD)
1 A (LHD)
1 B (RHD)
3 E
M
D3(E)
Generator Assembly
3
G106
Junction Connector
G5
G
(A/T)

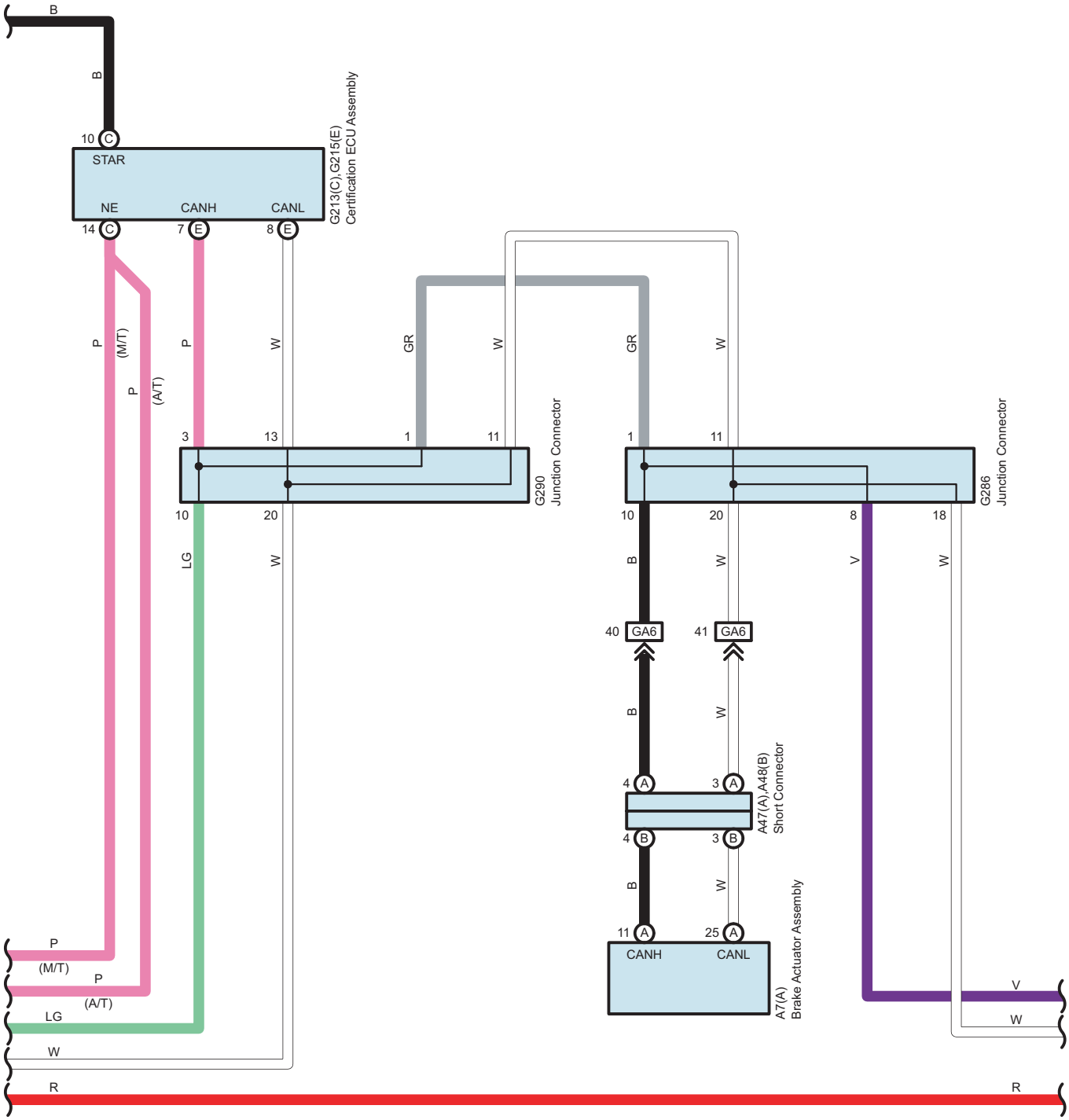

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
S
SPCN
PWMS
D
N
R
P
22 F
7 F
18 E
22 A
21 A
28 A
27 A (A/T)
27 A (M/T)
(IG)
10A
IG1
20 2M
V (A/T)
R (A/T)
L (A/T)
B (M/T)
B (A/T)
G (A/T)
R (A/T)
L (A/T)
GR (M/T)
B (M/T)
15 B (RHD)
21 A (LHD)
G257(A),G249(B)
Junction Connector
20 A
19 A (LHD)
13 B
12 B (RHD)
10
A115
Junction Connector
8
6 A
5 B
C49(A),G107(B)
Junction Connector
GR (M/T)
B (M/T)
1
A43
Clutch Switch Assembly
2
49 GA1
B (M/T)
V (A/T)
V
(A/T)
C49(A),G107(B)
Junction Connector
7 A
2 A
4 A
20 A
8 B
R (A/T)
7 B (RHD)
1 A (LHD)
G283(A),G249(B)
Junction Connector
2 A (LHD)
8 B (RHD)
R (A/T)
1 B (RHD)
1 A (LHD)
G253(A),G264(B)
Junction Connector
4 A (LHD)
4 B (RHD)
R
(A/T)
L
(A/T)
R
(A/T)
V
(A/T)
G
(A/T)
G
(A/T)

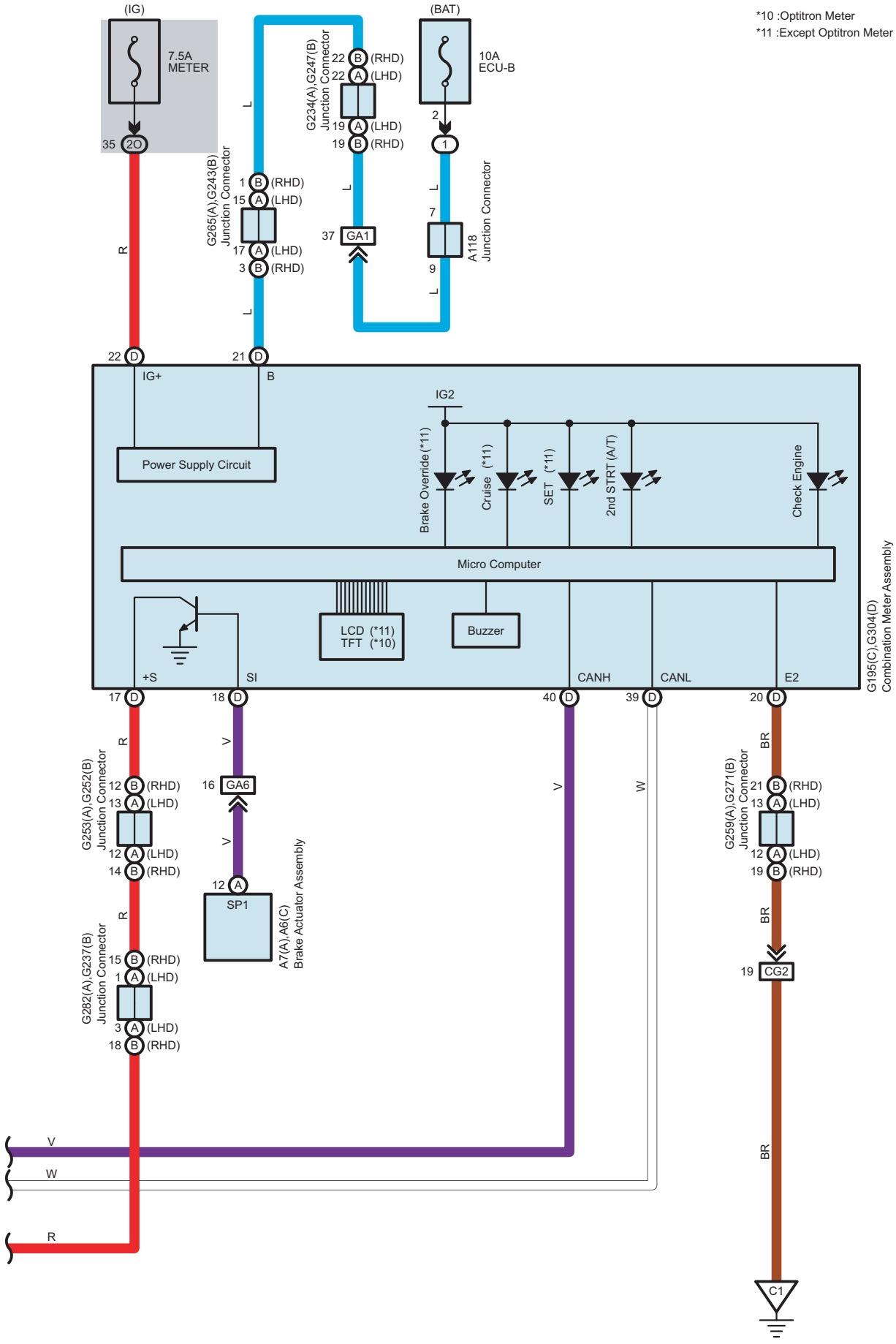

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
(ACC)
(IG)
7.5A
ACC
10A
ECU-IG
NO.1
50 2O
32 2N
C159(B)
Park/Neutral Position Switch
DL
NL
RL
PL
RB
P
R
N
D
C49(A),G107(B)
Junction Connector
G265(A),G252(B)
Junction Connector
G267(A),G279(B)
Junction Connector
G267(A),G264(B)
Junction Connector
G263(A),G277(B)
Junction Connector
G238(A),G266(B)
Junction Connector
G301(A),G302(B)
Short Connector
G172
Diode (Shift Position No. 2)
G171
Diode (Shift Position No. 1)
G303
Shift Position Indicator
G104
Junction Connector
G3
CG2
(RHD)
(LHD)
(A/T)
(LHD A/T)
(RHD A/T)
W-B


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
SNWI
PWMS
SPCN
CCS
19 E
18 E
7 F
1 F (A/T)
11 F (M/T)
GR (A/T)
L (*6)
R (*6)
B (*5)
G269(A),G268(B) Junction Connector
13 B (RHD)
13 A (LHD)
12 A (LHD)
12 B (RHD)
Spiral Cable Sub-Assembly
18 E W-B
15 P L-W
13 B LG-B
SPORT S/S+ (*8)
SPORT (*7)
NORMAL
Drive Mode Select Switch
G303 Shift Position Indicator
14 A
2ND
2nd START
E
G156(A) Combination Switch Assembly
24 A
W-B (A/T)
W-B (*6)
BR (*4)
B (*4)
G263(A),G277(B) Junction Connector
9 B (RHD)
8 A (LHD)
4 A (LHD)
1 B (RHD)
G208(I),z7(C) Spiral Cable Sub-Assembly
2 I
1 I
ECC
CCS
4 C
3 C
G261(A),G270(B) Junction Connector
2 B (RHD)
18 A (LHD)
15 A (LHD)
1 B (RHD)
G238(A),G266(B) Junction Connector
22 B (RHD)
5 A (LHD)
1 A (LHD)
19 B (RHD)
G259(A),G271(B) Junction Connector
20 B (RHD)
14 A (LHD)
12 A (LHD)
19 B (RHD)
ON-OFF
+ RES
- SET
CANCEL
Speed Control Main Switch
z7(C) Cruise Control Main Switch
G263(A),G270(B) Junction Connector
20 B (RHD)
16 A (LHD)
15 A (LHD)
19 B (RHD)
19 CG2
W-B (*3 *6)
W-B (*2 *6)
3
8
7
G104 Junction Connector
G3
C1
*2 :LHD
*3 :RHD
*4 :w/ Cruise Control
*5 :w/ Dynamic Radar Cruise Control
*6 :w/ Drive Mode Select Switch
*7 :3 Mode Type
*8 :5 Mode Type

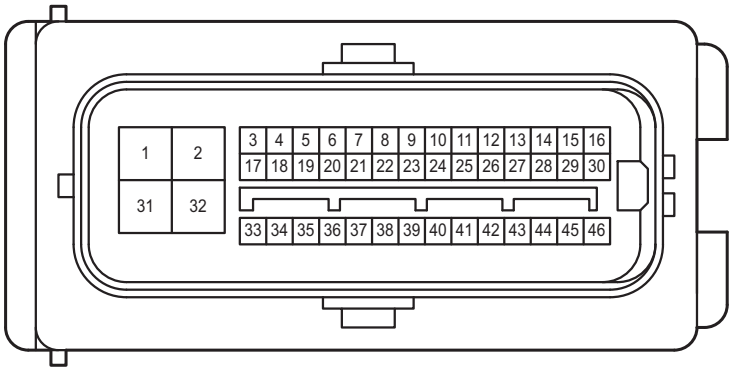

C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
TC
TACH
IMO
IMI
SPD
CANH
CANL
NEO
6 E
28 F
17 F
29 F
8 F
20 F
10 F
14 F
12 F
18 E
31 F
32 F
25 F
31 F
13 F (A/T)
29 B (M/T)
V
P
SB
W
R
LG
W
P (A/T)
P (M/T)
8 CG1
P (M/T)
G261(A),G270(B)
Junction Connector
13 B (RHD)
13 A (LHD)
12 A (LHD)
12 B (RHD)
3 B
4 B
EFII
EFIO
G207(B)
ID Code Box
V
13
9
TC
TAC
G48
DLC3
P (M/T)
P (A/T)
LG
W
R


C34(A),C35(B),C36(C),C37(D),G55(E),G56(F)
ECM
STA
NSW
28 F
10 F
23 A (A/T)
(M/T)
A115 Junction Connector
14
13
12
W
B (A/T)
W (M/T)
34 GA6 (LHD)
33 GA2 (RHD)
21 B
22 B
16 A
12 A
17 A
17 B
C49(A),G107(B) Junction Connector
G283(A),G247(B) Junction Connector
7 B (RHD)
16 A (LHD)
15 A
18 A (LHD)
8 B (RHD)
B (A/T)
B (M/T)
48 GA2
5
2
3
1
ST Relay
W-B
7
6
A70 Junction Connector
5 B
L B
P
N
4 B
C159(B) Park/Neutral Position Switch
2 A
1 A
A40(A) Clutch Start Switch Assembly
P (M/T)
P (A/T)
LG
W
R
A1


B
B
10 C
STAR
NE
CANH
CANL
14 C
7 E
8 E
G213(C),G215(E)
Certification ECU Assembly
P
(M/T)
P
(A/T)
P
W
GR
W
GR
W
3
13
1
11
1
11
G290
Junction Connector
G286
Junction Connector
10
20
10
20
8
18
LG
W
B
W
V
W
40 GA6
41 GA6
B
W
4 A
3 A
4 B
3 B
A47(A),A48(B)
Short Connector
B
W
11 A
25 A
CANH
CANL
A7(A)
Brake Actuator Assembly
P
(M/T)
P
(A/T)
LG
W
R
V
W
R

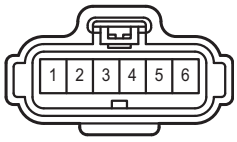

*10 :Optitron Meter
*11 :Except Optitron Meter
(IG)
7.5A METER
35 2O
R
(BAT)
10A ECU-B
2
1
L
G234(A),G247(B) Junction Connector
22 B (RHD)
22 A (LHD)
19 A (LHD)
19 B (RHD)
37 GA1
G265(A),G243(B) Junction Connector
1 B (RHD)
15 A (LHD)
17 A (LHD)
3 B (RHD)
A118 Junction Connector
7
9
22 D
21 D
IG+
B
Power Supply Circuit
IG2
Brake Override (*11)
Cruise (*11)
SET (*11)
2nd STRT (A/T)
Check Engine
Micro Computer
LCD (*11)
TFT (*10)
Buzzer
+S
SI
CANH
CANL
E2
G195(C),G304(D) Combination Meter Assembly
17 D
18 D
40 D
39 D
20 D
BR
V
W
G253(A),G252(B) Junction Connector
12 B (RHD)
13 A (LHD)
12 A (LHD)
14 B (RHD)
16 GA6
12 A
SP1
A7(A),A6(C) Brake Actuator Assembly
G282(A),G237(B) Junction Connector
15 B (RHD)
1 A (LHD)
3 A (LHD)
18 B (RHD)
G259(A),G271(B) Junction Connector
21 B (RHD)
13 A (LHD)
12 A (LHD)
19 B (RHD)
19 CG2
C1

A7
Black



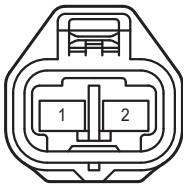
90980-12297

A16
Black



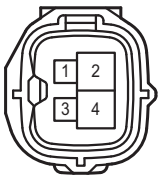
90980-11858

A17
Black



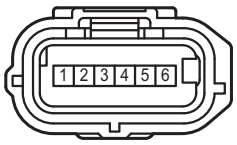
90980-12068

A18
Black



90980-12294

A19
Black



90980-12303

A40
Black



90980-10825

A43
White



90980-10906

A47
Gray



90980-10945

A48
Gray



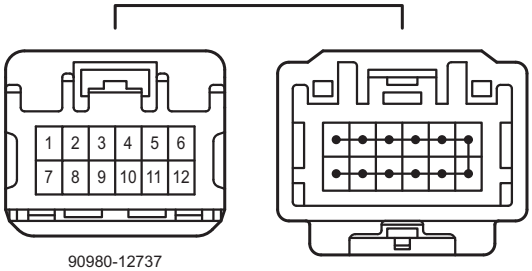
90980-10946

A59
Black



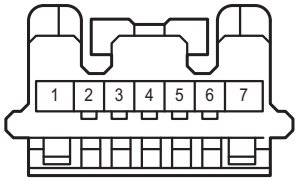
90980-10962

A70
White



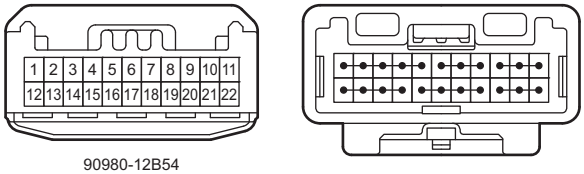
90980-12737

A99
Black



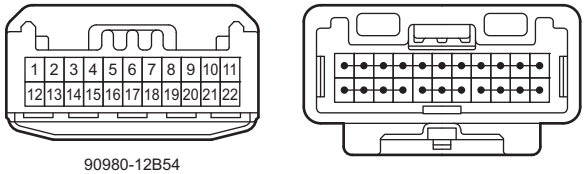
90980-12092

A114
Blue



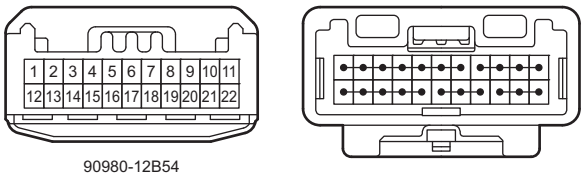
90980-12B54

A115
Gray



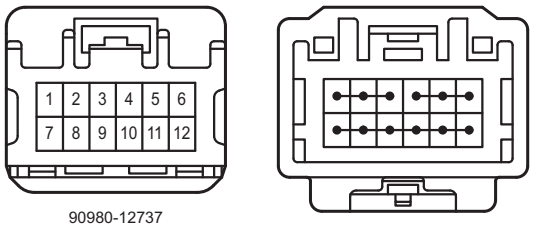
90980-12B54

A116
White



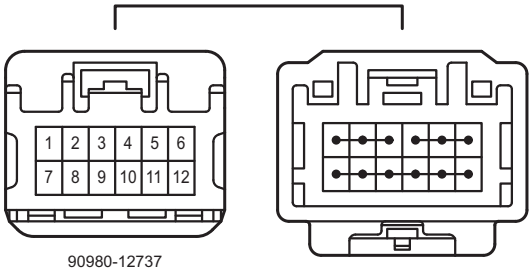
90980-12B54

A118
Gray



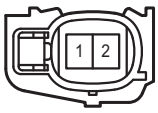
90980-12737

A122
Black



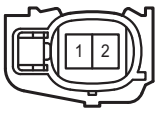
90980-12737

C1
Gray



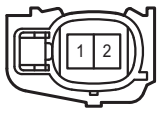
90980-11875

C2
Gray



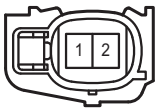
90980-11875

C3
Gray



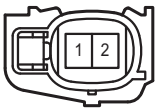
90980-11875

C4
Gray



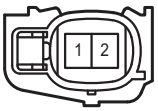
90980-11875

C5
Gray



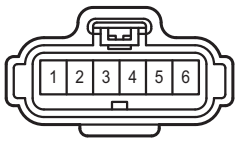
90980-11875

C6
Gray



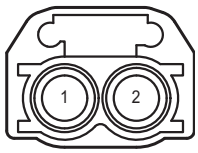
90980-11875

C13
Black



90980-11858

C14
Black



90980-12028

C16
Black



90980-11162

C17
Black



90980-11162

C18
Black



90980-11162

C19
Black



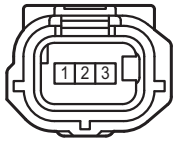
90980-11162

C20
Black



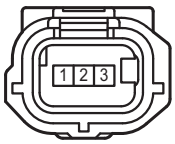
90980-12353

C21
Black



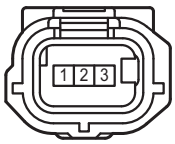
90980-12353

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



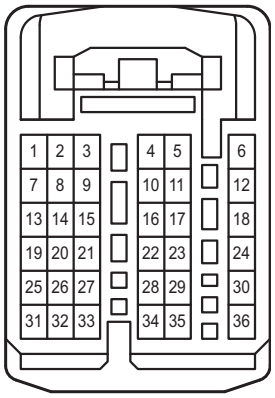
90980-11451

C33
Black



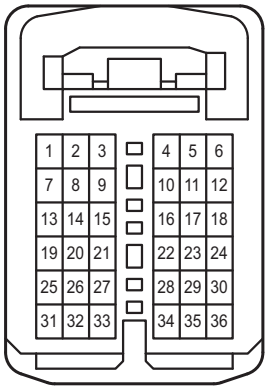
90980-12292

C34
White



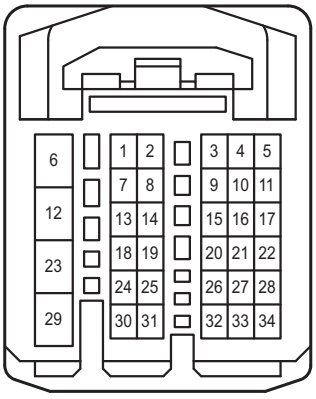
82824-26130

C35
White



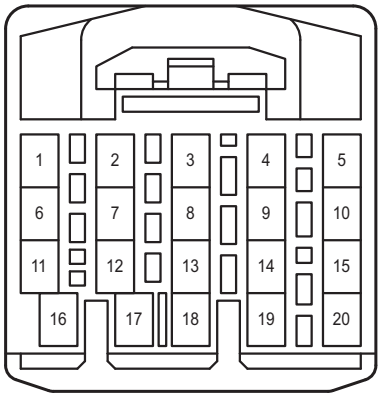
82824-26140

C36
White



82824-26150

C37
White



82824-26160

C44
Black



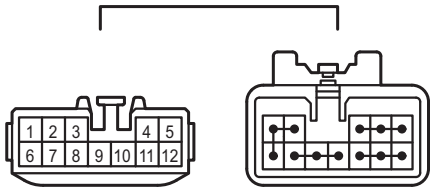
90980-12292

C45
Black



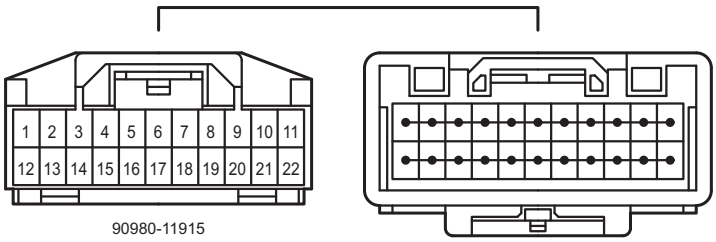
90980-12292

C47
Black



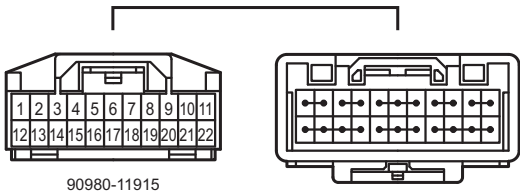
90980-10803

C48
White



90980-11915

C49
Blue



90980-11915

C138
Black



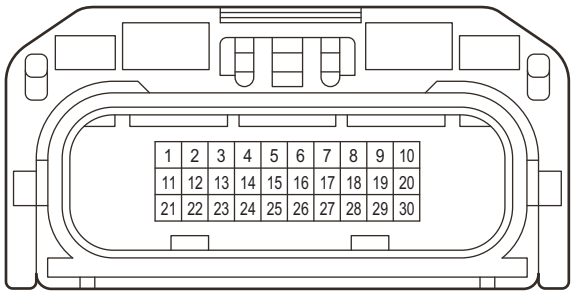
90980-12B06

C145
Dark Gray



90980-10869

C146
Gray



90980-12712

C147
Black



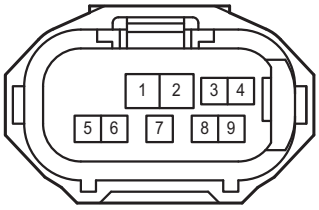
90980-12B06

C148
Black



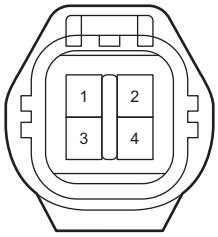
90980-12B06

C159
Gray



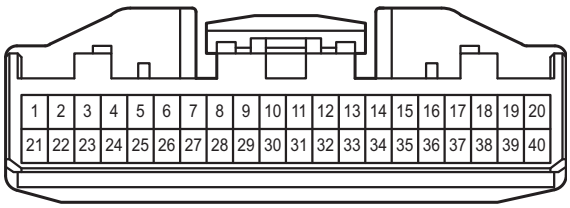
90980-12A23

D3
Black



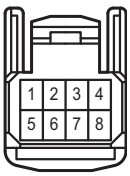
90980-11964

G25
White



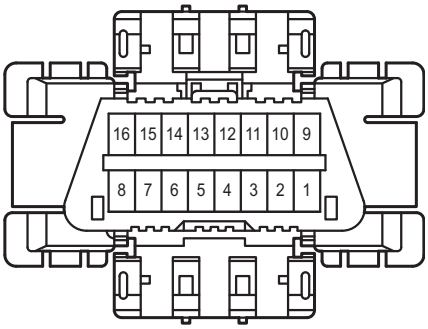
90980-12557

G47
Black



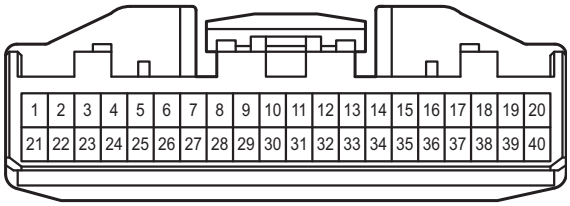
90980-12551

G48
White



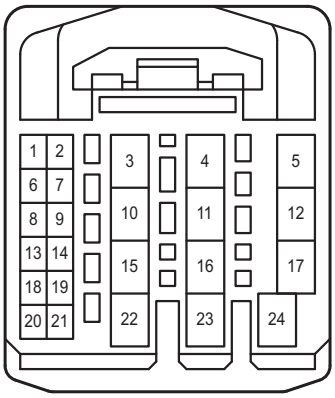
90980-11978

G53
Black



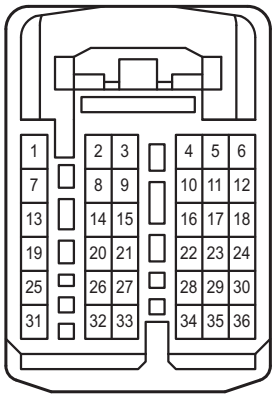
90980-12557

G55
White



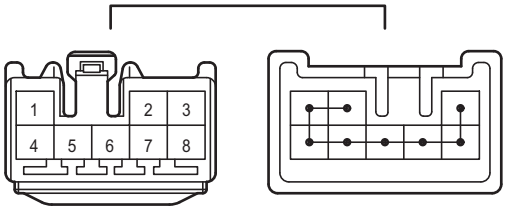
82824-26110

G56
White



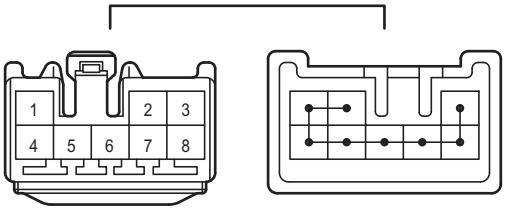
82824-26120

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



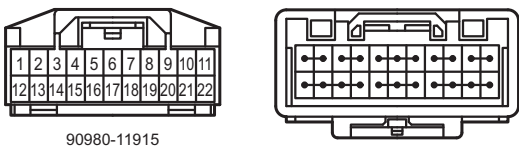
90980-11686

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



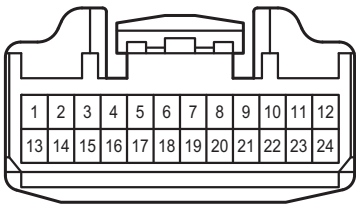
90980-11686

G107
Blue



90980-11915

G156
Black



90980-12554

G171
Gray



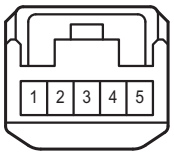
90980-11608

G172
Gray



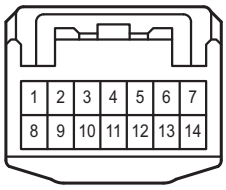
90980-11608

G207
White



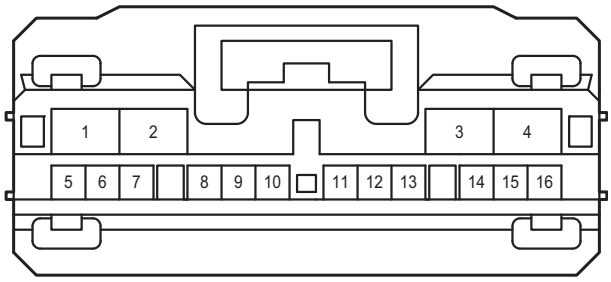
90980-12366

G208
Black



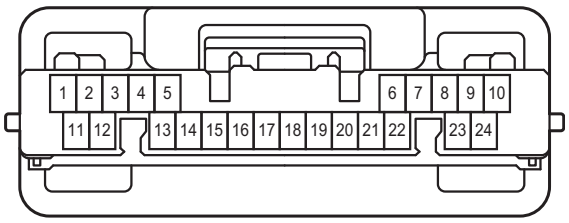
90980-12370

G213
White



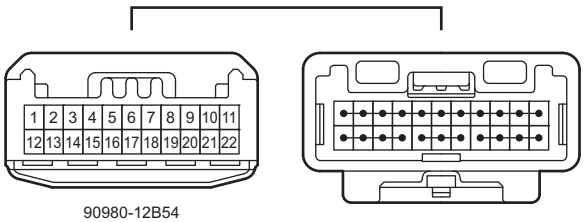
90980-12763

G215
Black



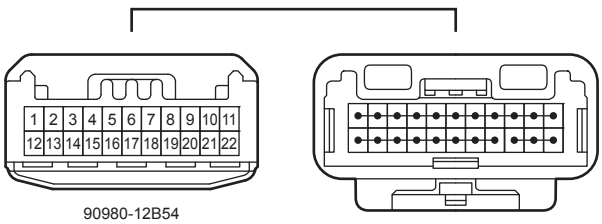
90980-12A42

G234
Blue



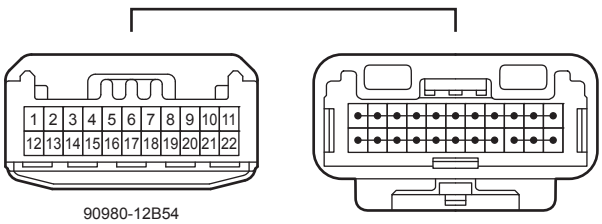
90980-12B54

G235
Gray



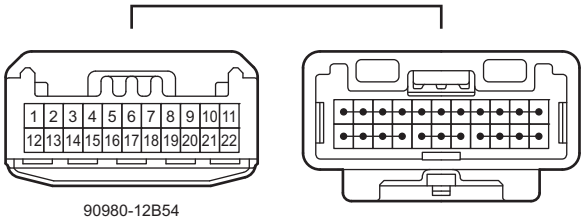
90980-12B54

G237
Blue



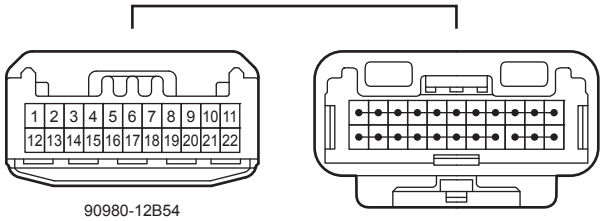
90980-12B54

G238
Blue



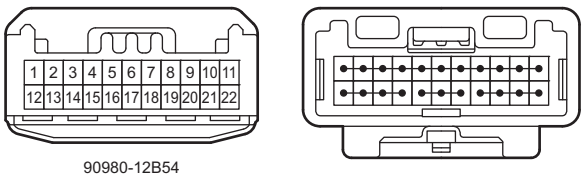
90980-12B54

G243
Blue



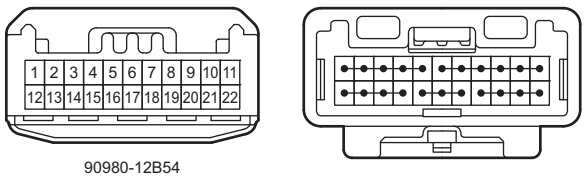
90980-12B54

G244
White



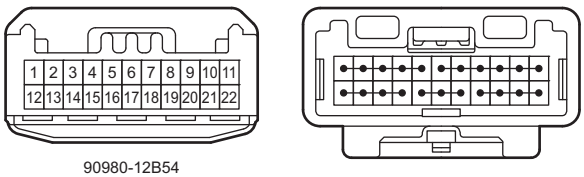
90980-12B54

G247
Gray



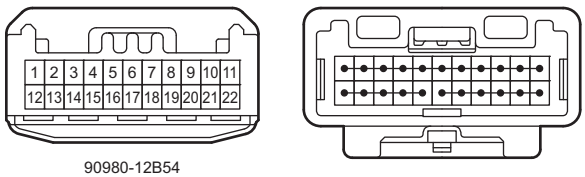
90980-12B54

G249
Blue



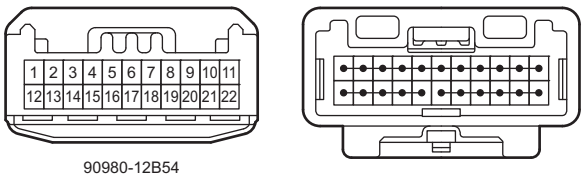
90980-12B54

G251
Blue



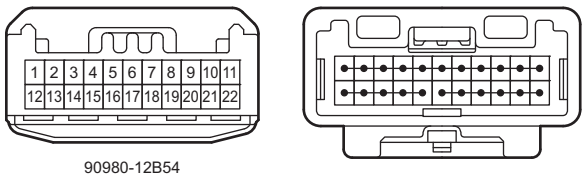
90980-12B54

G252
Gray



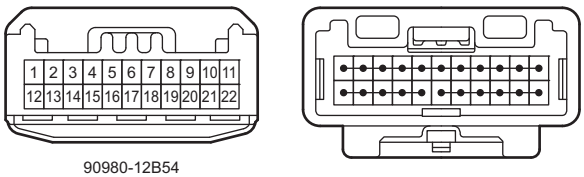
90980-12B54

G253
White



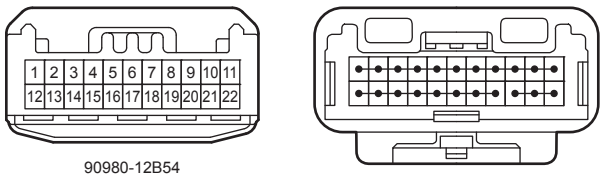
90980-12B54

G257
White



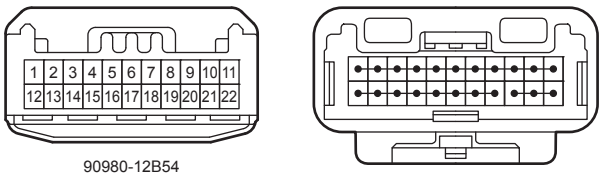
90980-12B54

G259
Blue



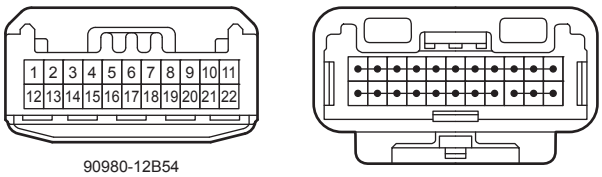
90980-12B54

G261
White



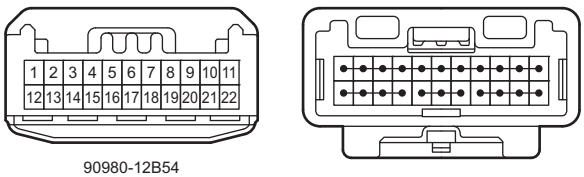
90980-12B54

G263
Blue



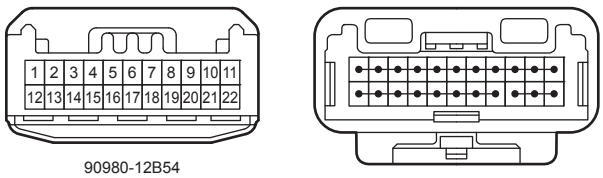
90980-12B54

G264
Gray



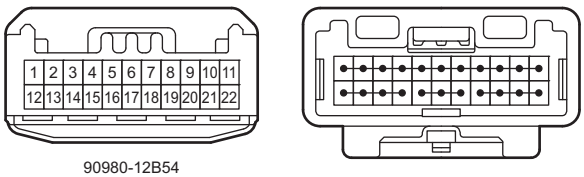
90980-12B54

G265
White



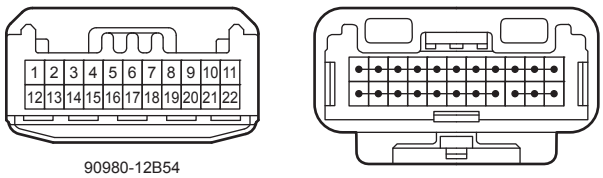
90980-12B54

G266
Blue



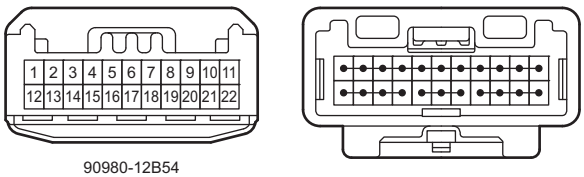
90980-12B54

G267
Blue



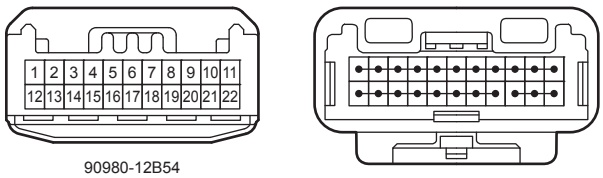
90980-12B54

G268
White



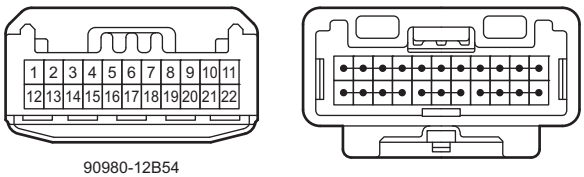
90980-12B54

G269
White



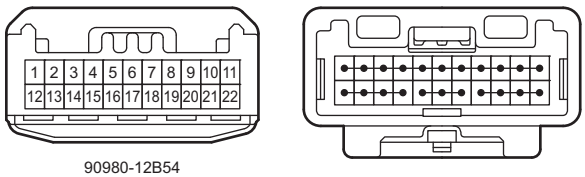
90980-12B54

G270
Blue



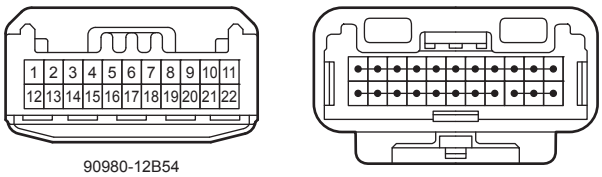
90980-12B54

G271
White



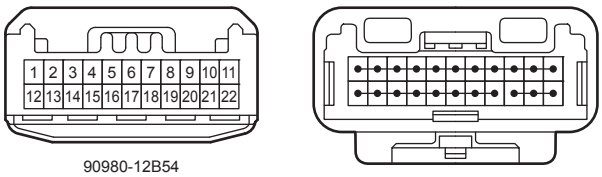
90980-12B54

G272
Gray



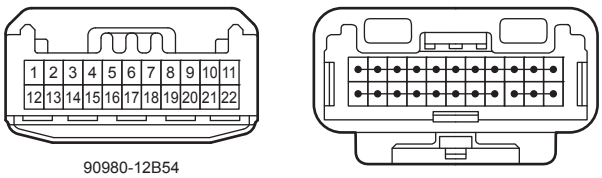
90980-12B54

G275
White



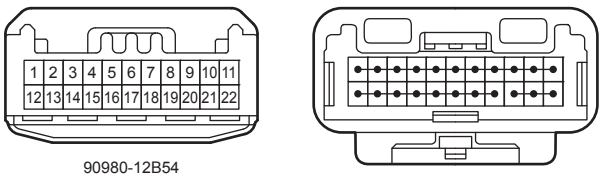
90980-12B54

G277
Blue



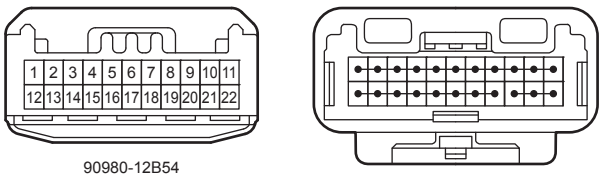
90980-12B54

G279
White



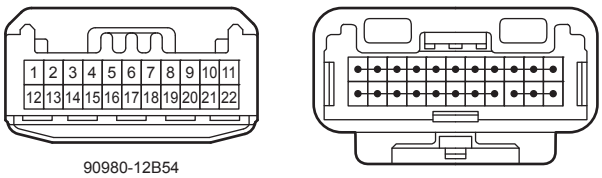
90980-12B54

G282
Gray



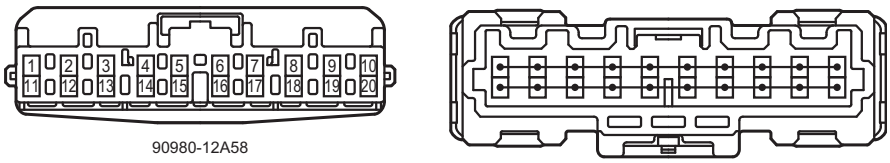
90980-12B54

G283
Blue



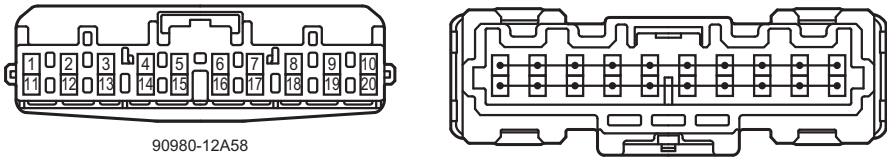
90980-12B54

G286
White



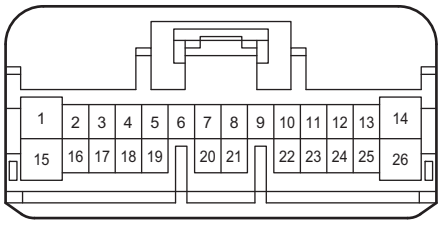
90980-12A58

G290
White



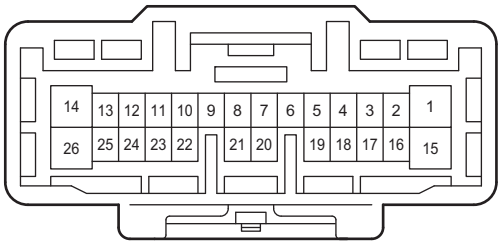
90980-12A58

G301
White



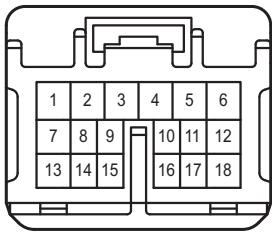
90980-12771

G302
White



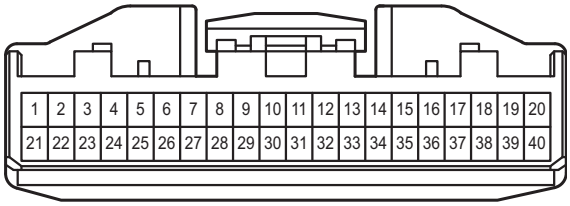
90980-12770

G303
White



90980-12745

G304
White



90980-12557

S5
White



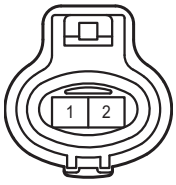
90980-11077

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



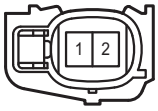
90980-10844

S9
Black



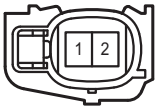
90980-10928

h1
Black



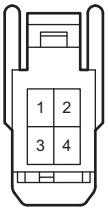
90980-11875

h2
Black



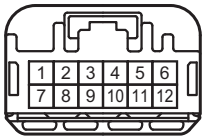
90980-11875

z7
White



90980-12360

1T
White



90980-12A56

1U
White



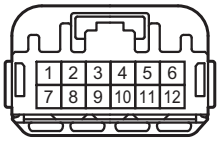
90980-12A55

1V
Black



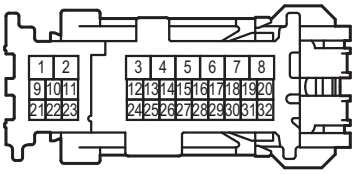
90980-12A54

1W
White



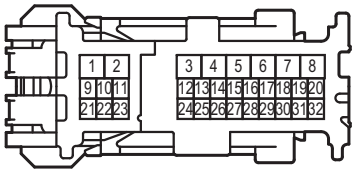
90980-12A91

2M
White



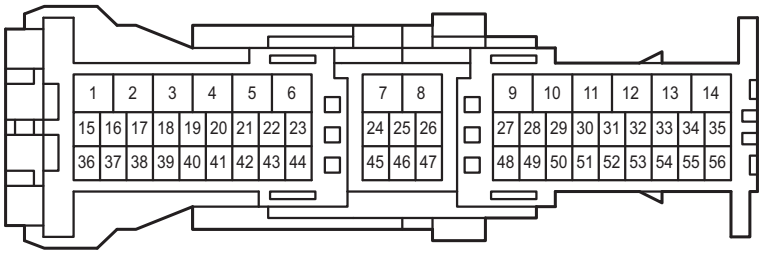
90980-12A47

2N
White



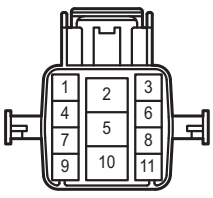
90980-12A48

2O
White

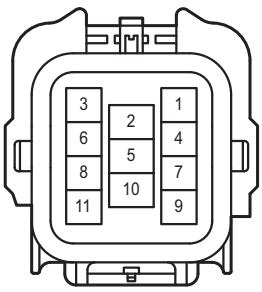


90980-12943

AC1
Black

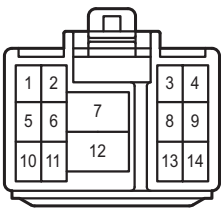


90980-11612

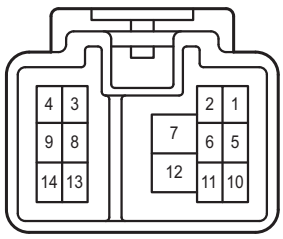


90980-11609

AR2
Gray

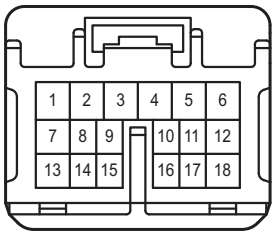


90980-10813

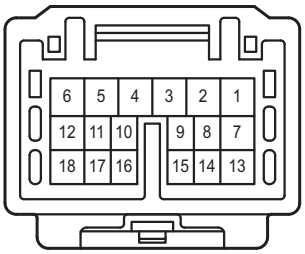


90980-10812

CG1
White

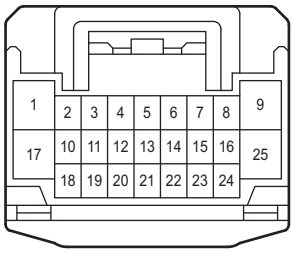


90980-12745

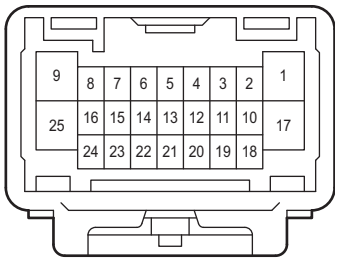


90980-12744

CG2
White



90980-12414



90980-12413

Ch1
Dark Gray

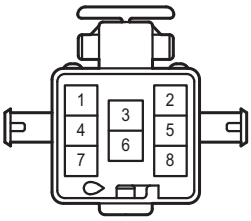


90980-10988

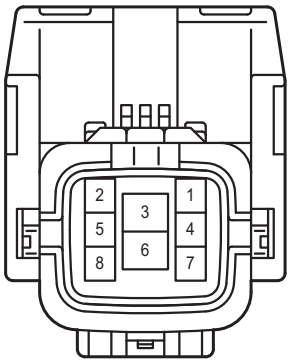


90980-10987

DA1
Black

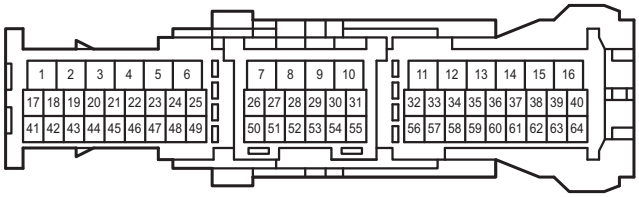


90980-11461

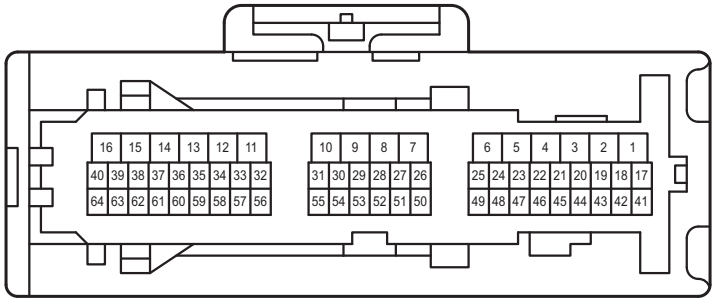


90980-11460

GA1
White

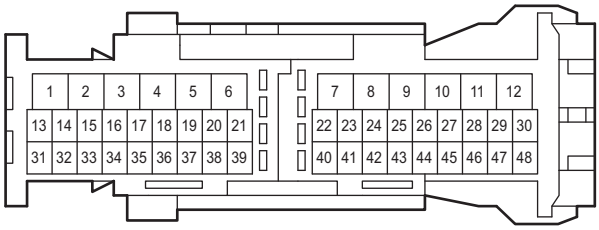


90980-12774

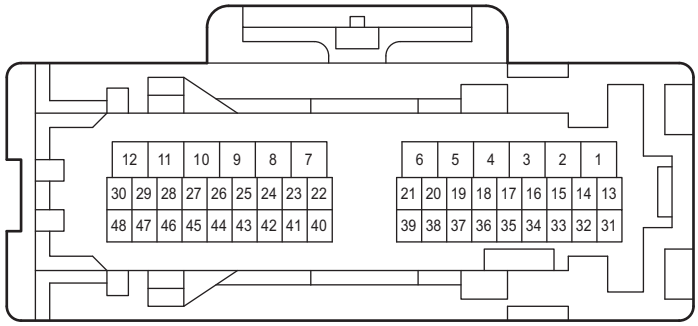


90980-12798

GA2
White

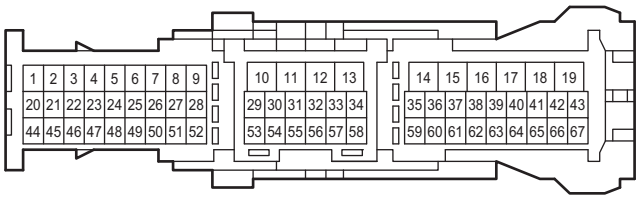


90980-12779

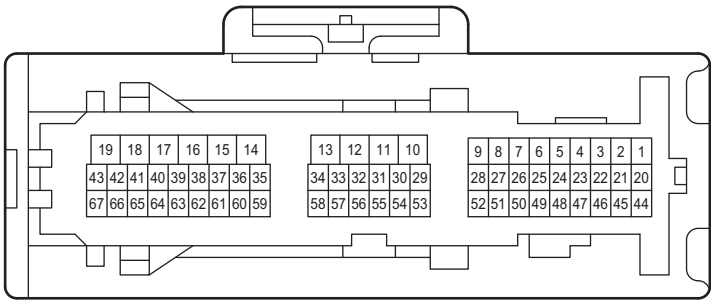


90980-12799

GA6
White

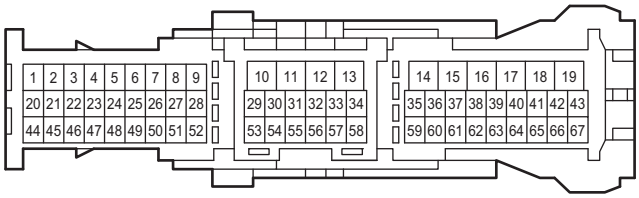


90980-12783

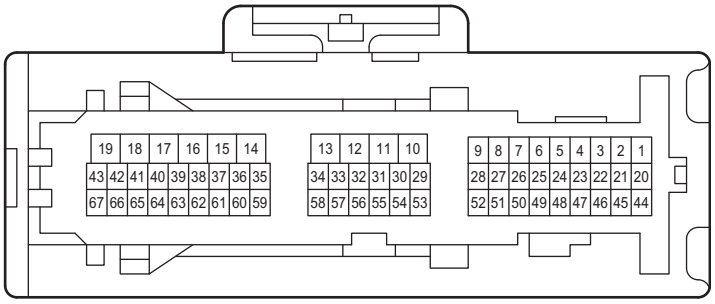


90980-12800

GR1
White



90980-12783



90980-12800

SR3
White



90980-10942



90980-10941