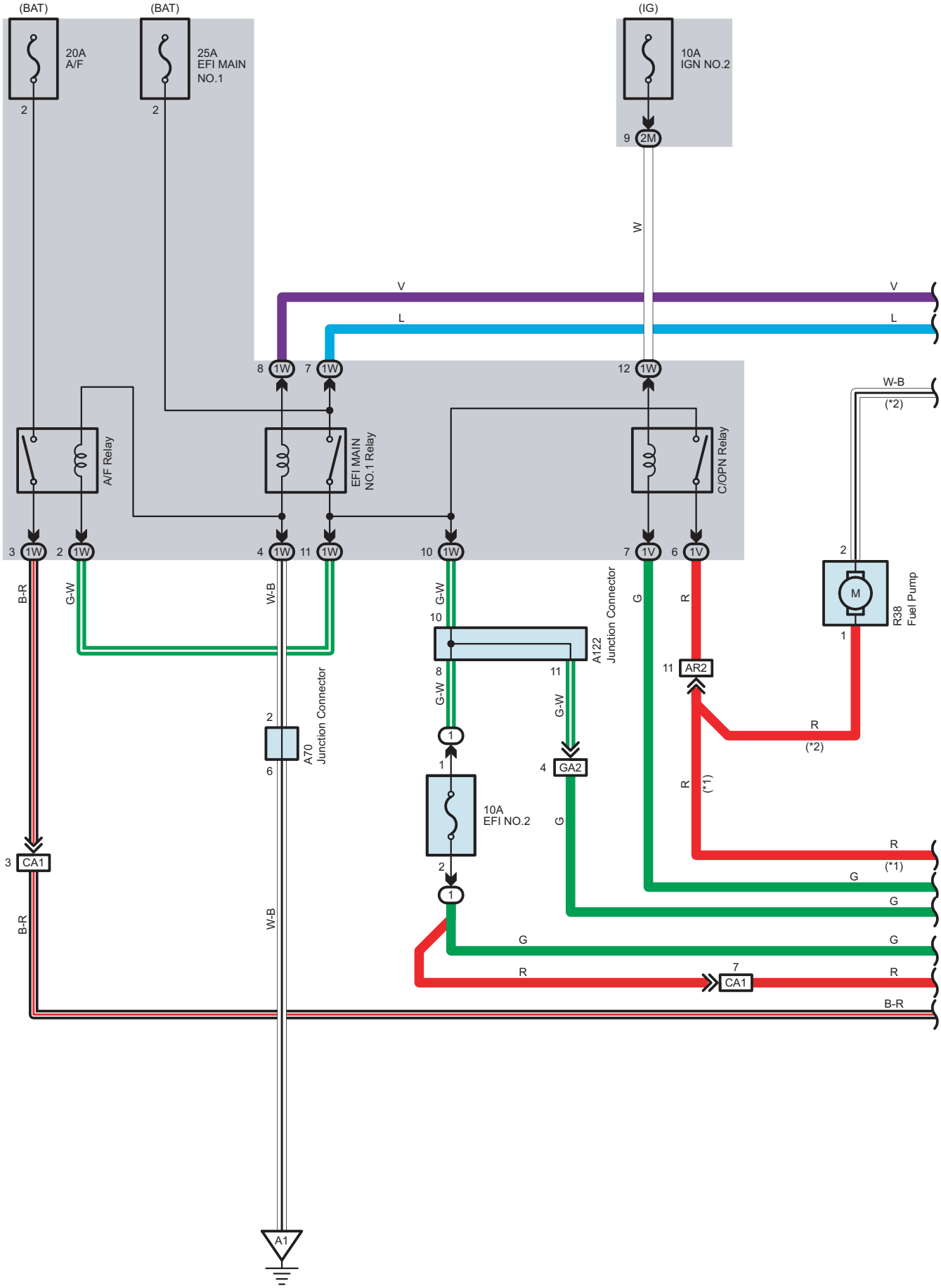
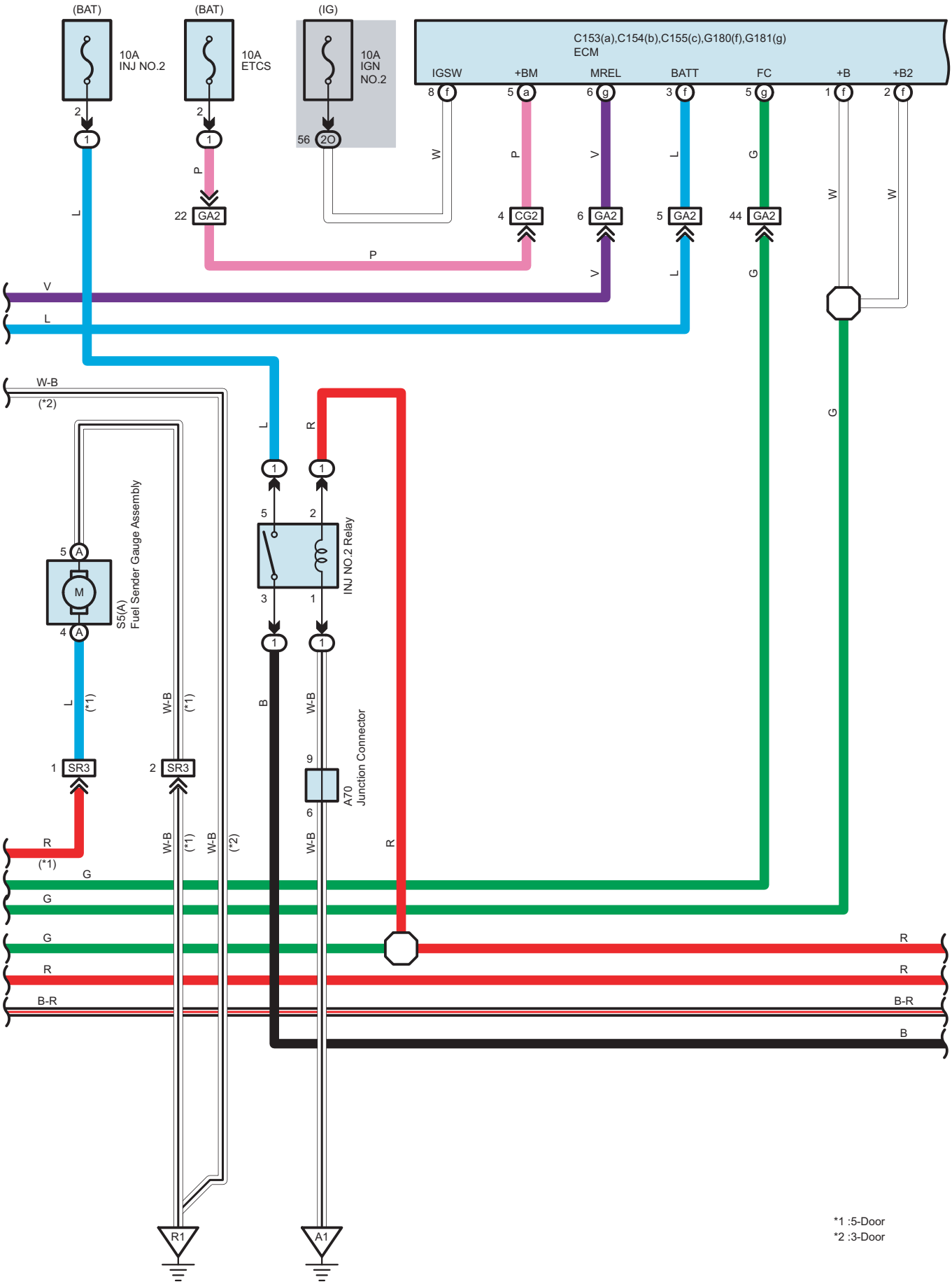
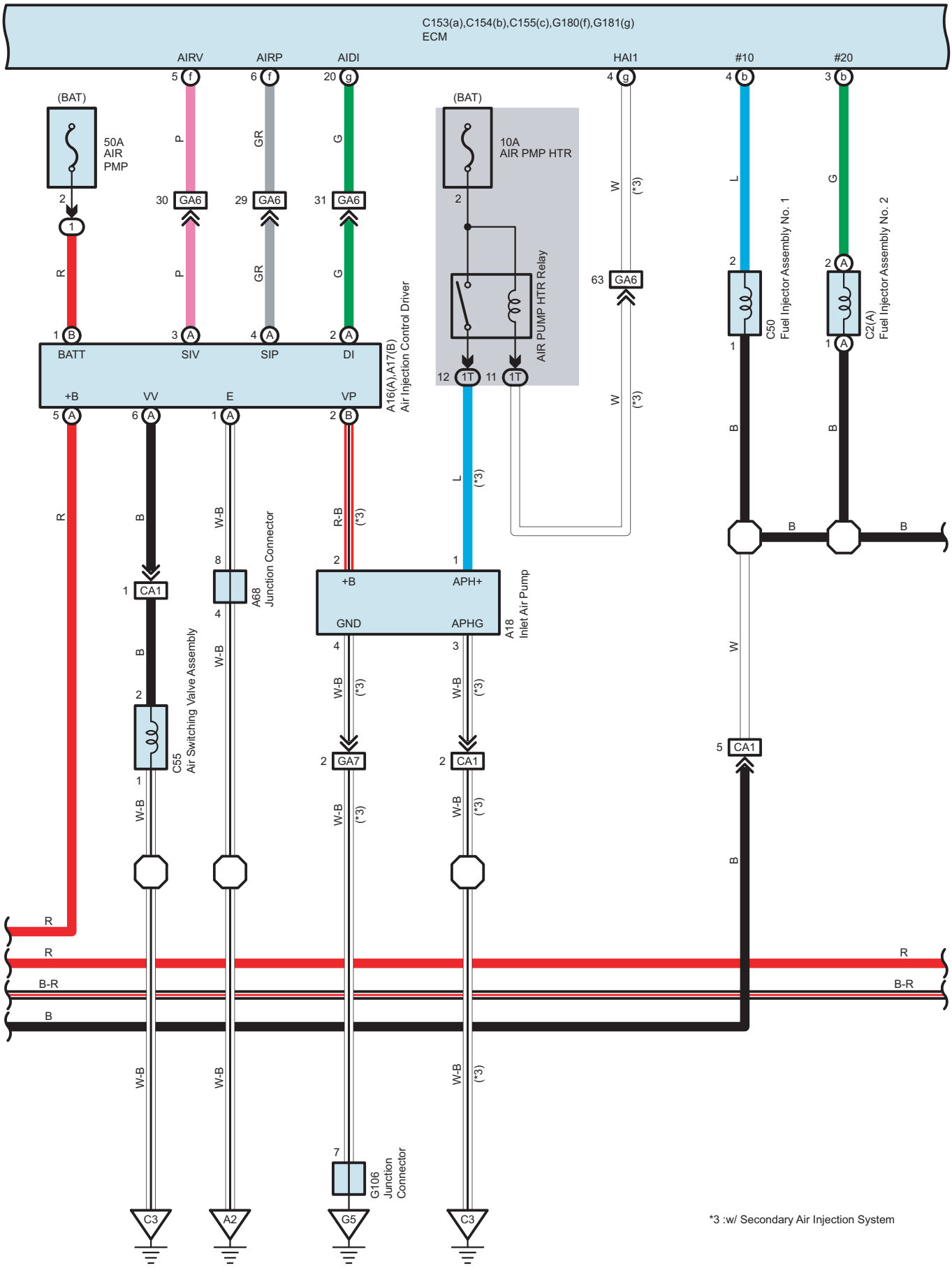
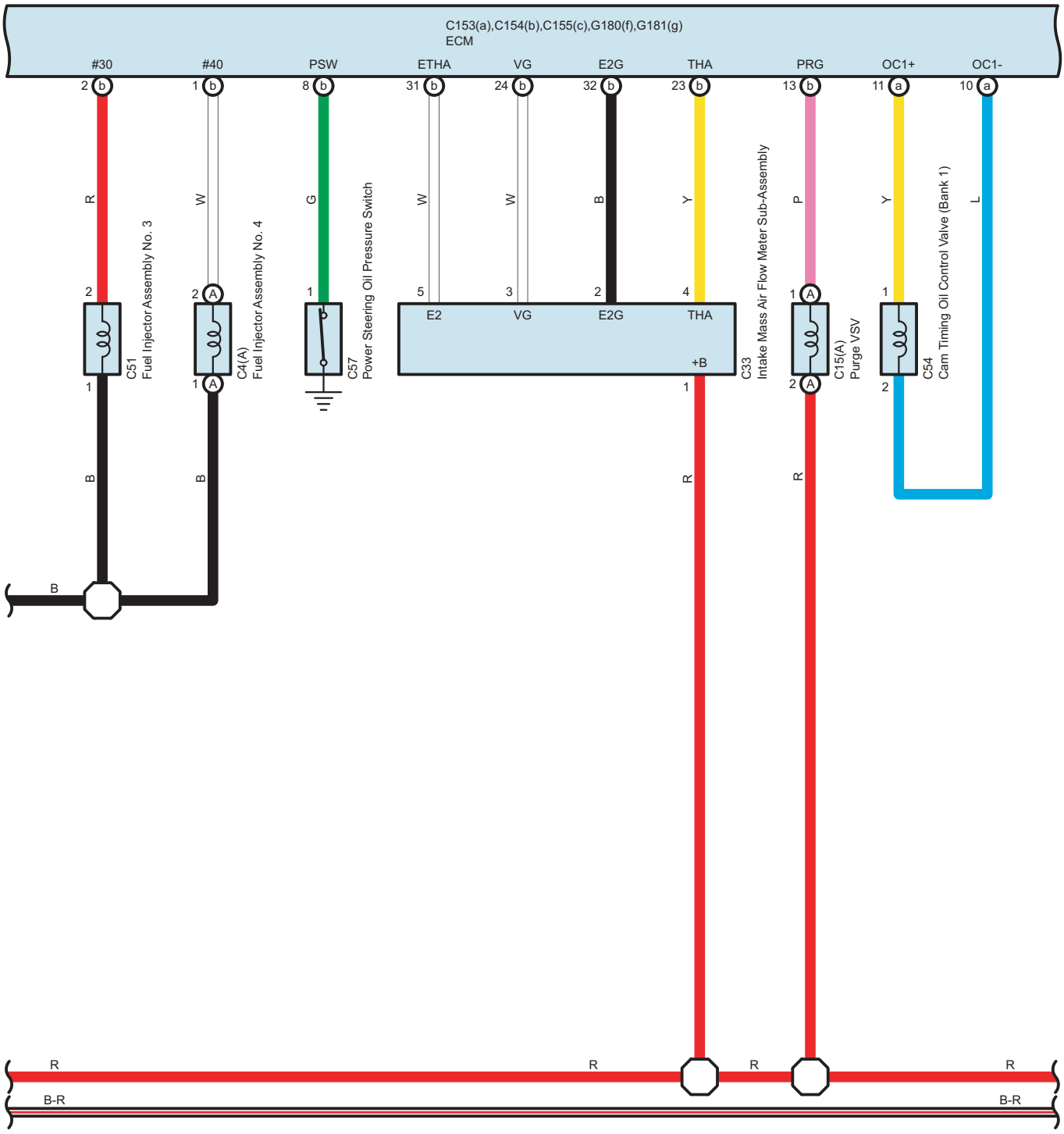
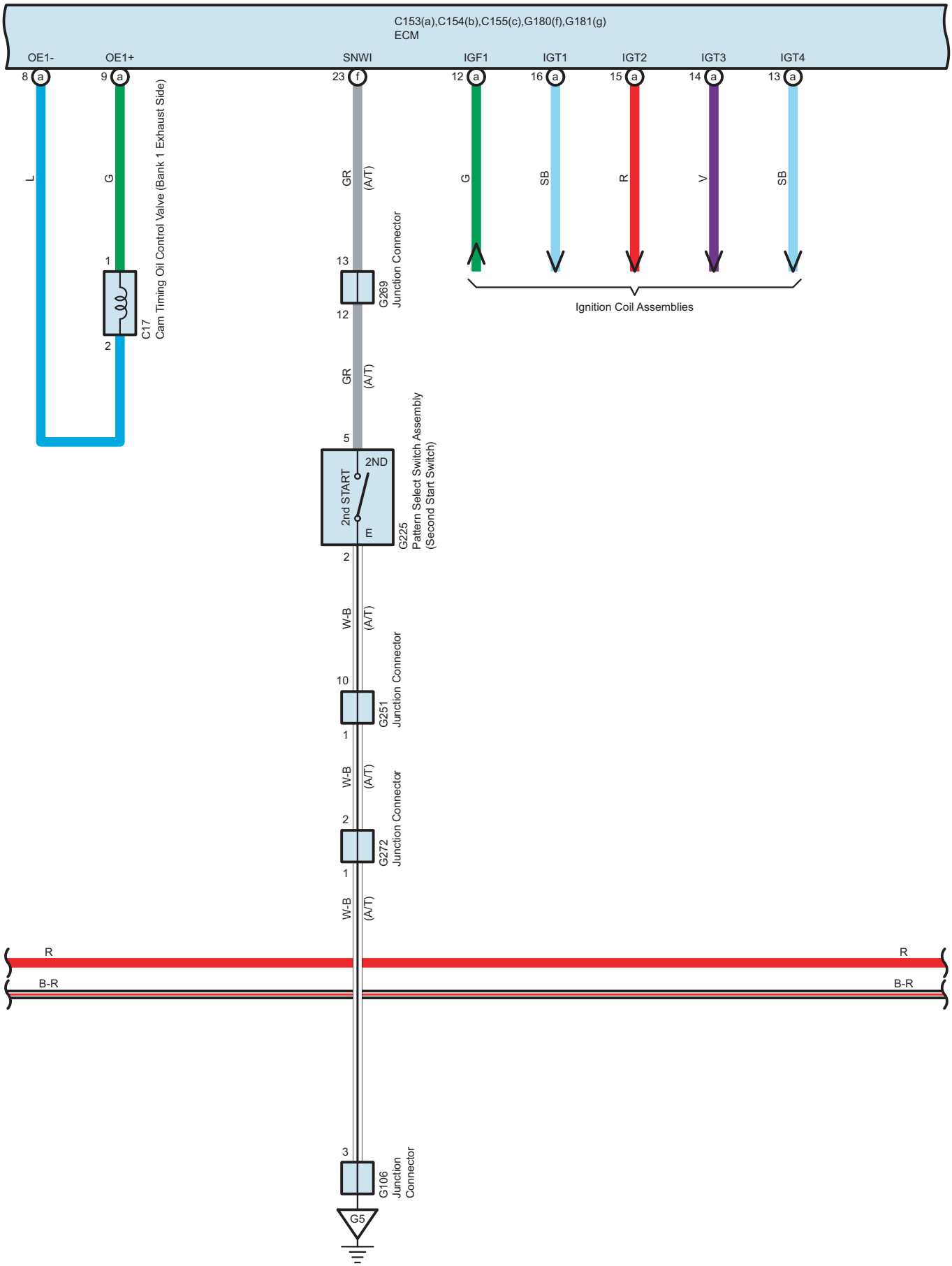
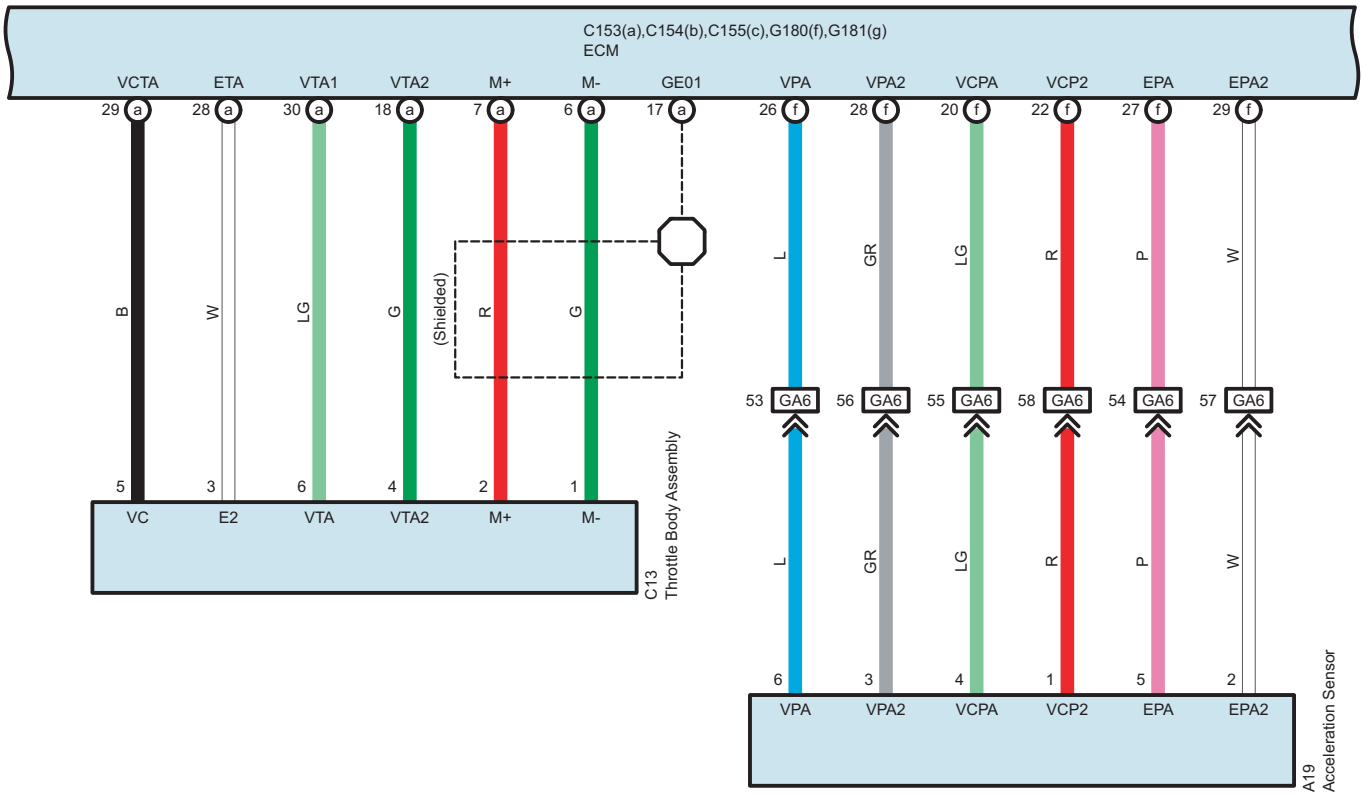

(BAT)
(BAT)
(IG)
20A
A/F
25A
EFI MAIN
NO.1
10A
IGN NO.2
2
2
9
2M
W
V
L
V
L
8
1W
7
1W
12
1W
W-B
(*2)
A/F Relay
EFI MAIN
NO.1 Relay
C/OPN Relay
3
1W
2
1W
4
1W
11
1W
10
1W
7
1V
6
1V
2
M
1
R38
Fuel Pump
B-R
G-W
W-B
G-W
10
A122
Junction Connector
G
R
11
AR2
R
(*2)
2
A70
Junction Connector
6
8
G-W
11
G-W
1
1
4
GA2
R
(*1)
10A
EFI NO.2
G
2
1
R
(*1)
G
G
G
G
R
7
CA1
R
3
CA1
B-R
W-B
B-R
A1


(BAT)
10A
INJ NO.2
(BAT)
10A
ETCS
(IG)
10A
IGN
NO.2
C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
IGSW
+BM
MREL
BATT
FC
+B
+B2
GA2
CG2
SR3
S5(A)
Fuel Sender Gauge Assembly
INJ NO.2 Relay
A70
Junction Connector
R1
A1
W-B
(*2)
(*1)
L
V
P
W
G
R
B
B-R
*1 :5-Door
*2 :3-Door

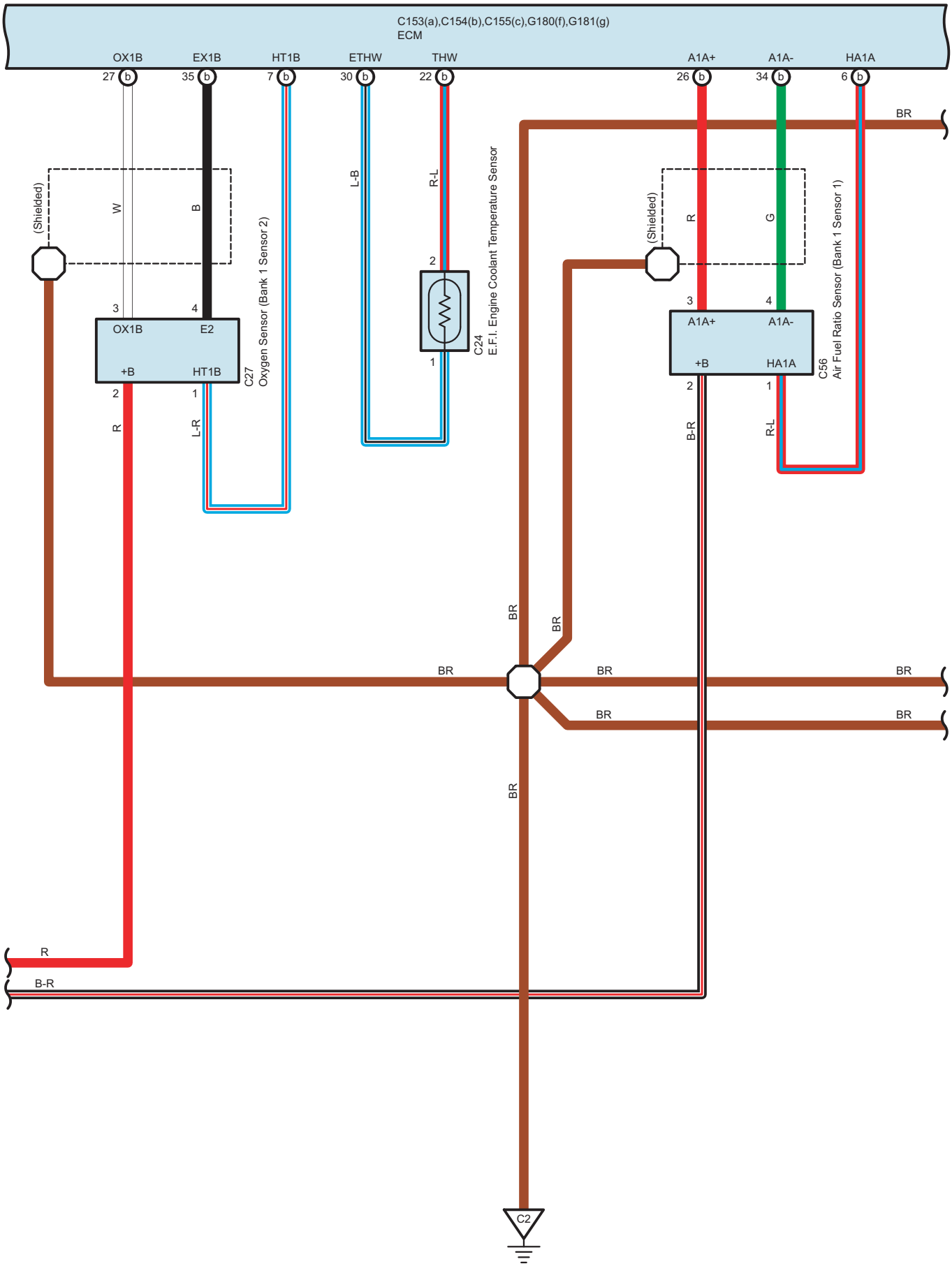

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
AIRV
AIRP
AIDI
HAI1
#10
#20
(BAT)
50A
AIR
PMP
10A
AIR PMP HTR
AIR PUMP HTR Relay
A16(A),A17(B)
Air Injection Control Driver
BATT
SIV
SIP
DI
+B
VV
E
VP
C50
Fuel Injector Assembly No. 1
C2(A)
Fuel Injector Assembly No. 2
C55
Air Switching Valve Assembly
A68
Junction Connector
A18
Inlet Air Pump
APH+
APHG
GND
G106
Junction
Connector
C3
A2
G5
*3 :w/ Secondary Air Injection System

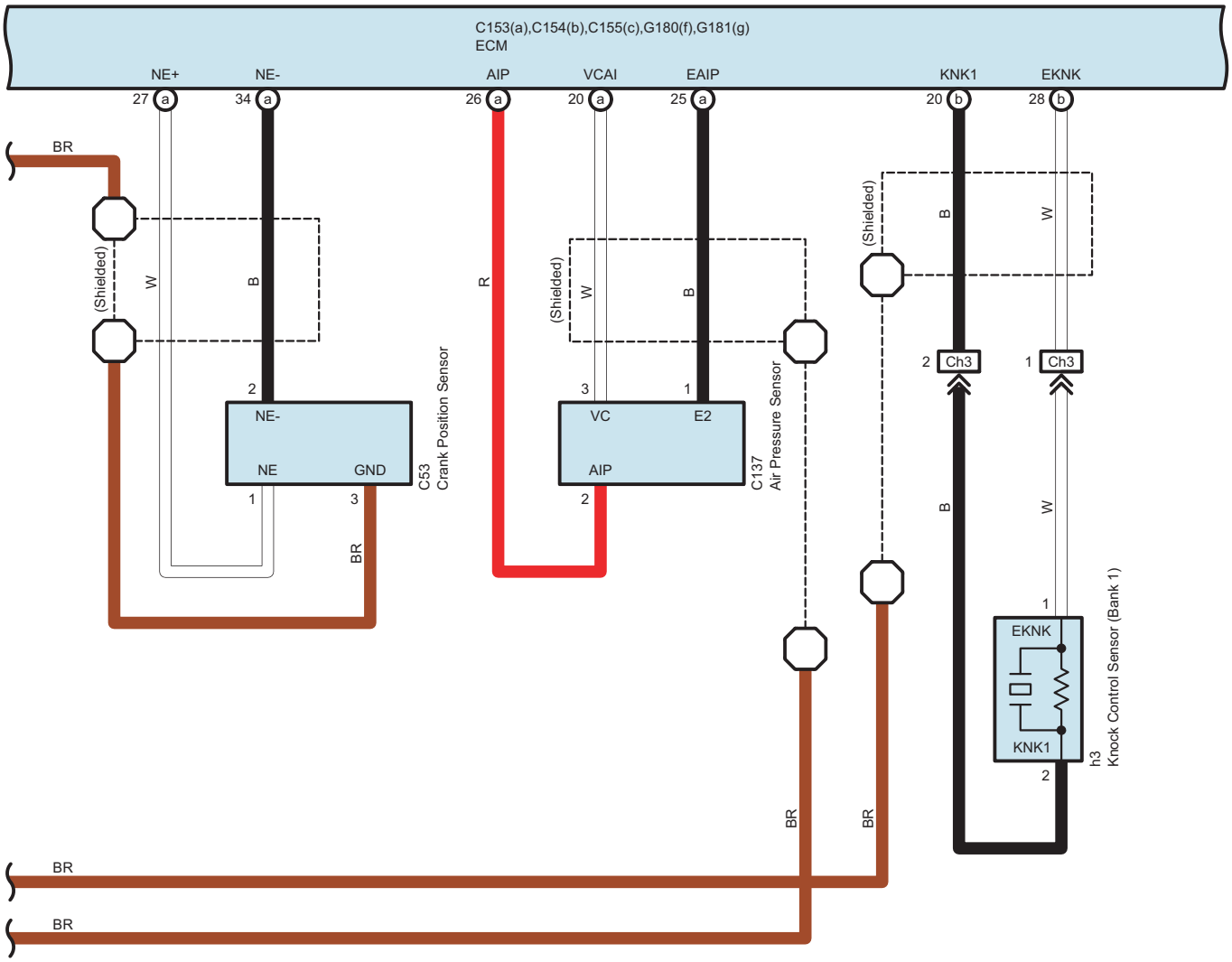

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
#30
#40
PSW
ETHA
VG
E2G
THA
PRG
OC1+
OC1-
C51
Fuel Injector Assembly No. 3
C4(A)
Fuel Injector Assembly No. 4
C57
Power Steering Oil Pressure Switch
C33
Intake Mass Air Flow Meter Sub-Assembly
C15(A)
Purge VSV
C54
Cam Timing Oil Control Valve (Bank 1)
E2
VG
E2G
THA
+B
R
W
G
B
Y
P
L
B-R

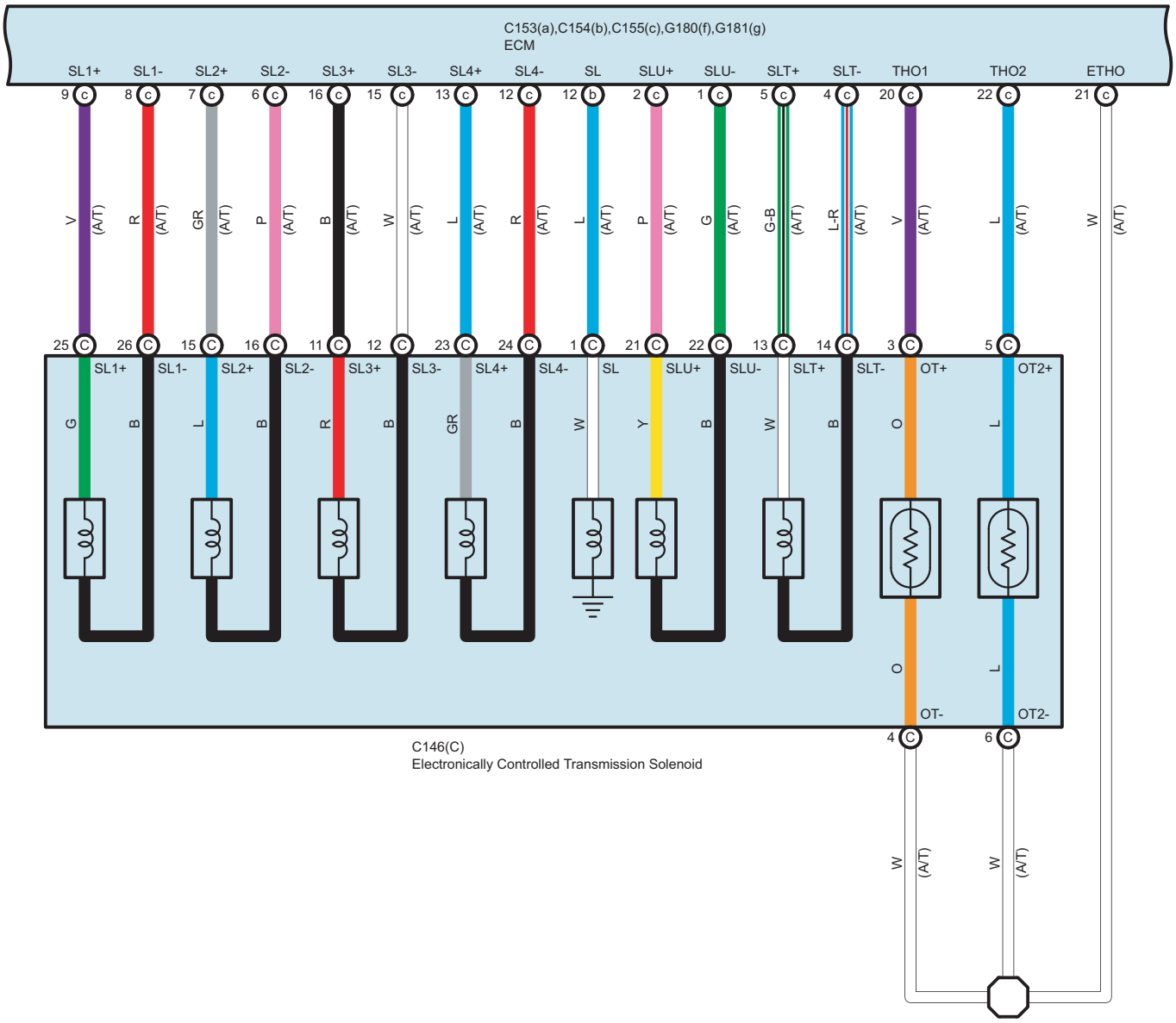

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
OE1-
OE1+
SNWI
IGF1
IGT1
IGT2
IGT3
IGT4
8 a
9 a
23 f
12 a
16 a
15 a
14 a
13 a
L
G
GR (A/T)
G
SB
R
V
SB
1
2
C17
Cam Timing Oil Control Valve (Bank 1 Exhaust Side)
13
12
G269
Junction Connector
Ignition Coil Assemblies
GR (A/T)
5
2nd START
2ND
E
G225
Pattern Select Switch Assembly
(Second Start Switch)
2
W-B (A/T)
10
1
G251
Junction Connector
W-B (A/T)
2
1
G272
Junction Connector
W-B (A/T)
R
B-R
R
B-R
3
G106
Junction
Connector
G5

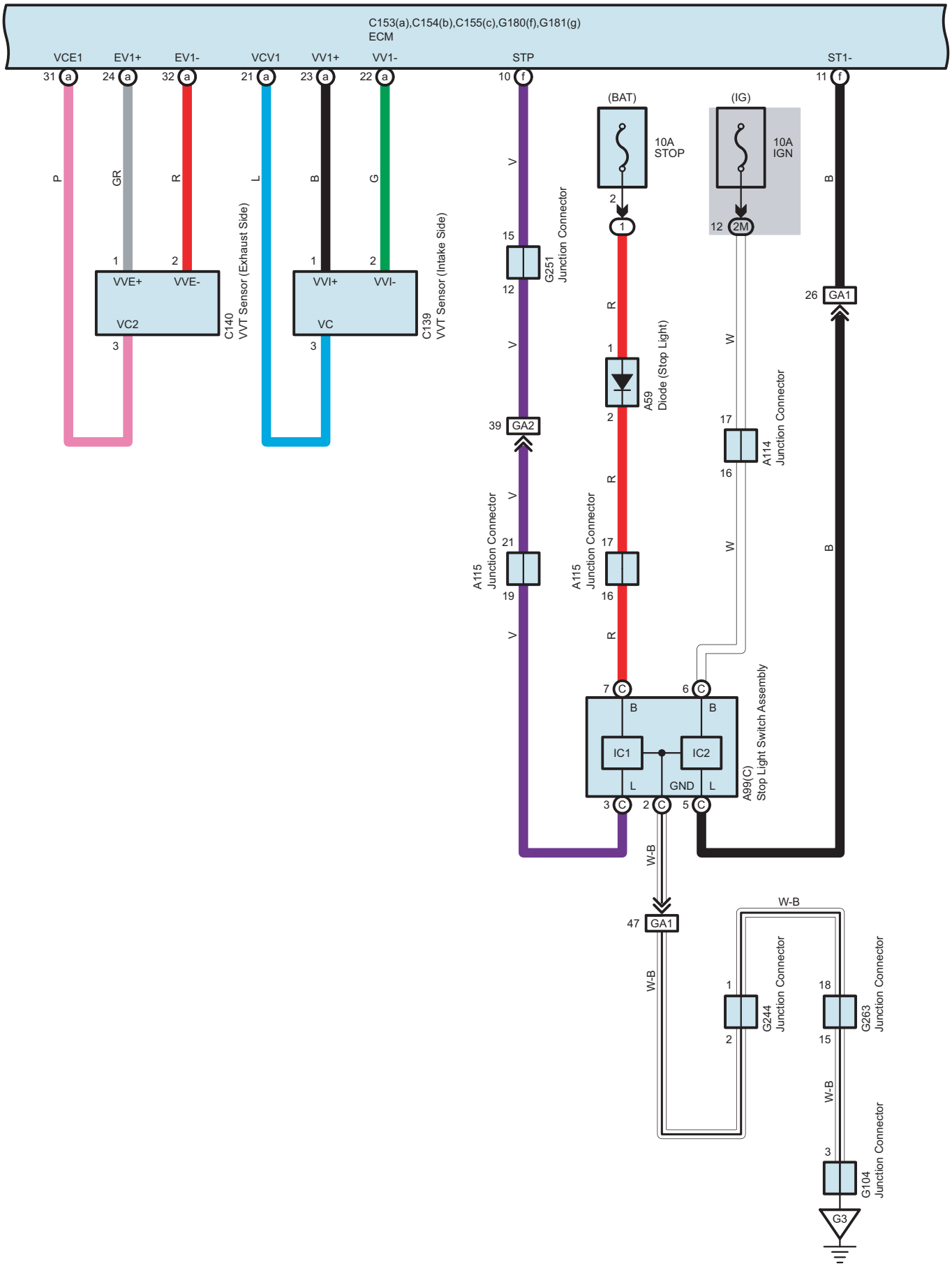

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
VCTA
ETA
VTA1
VTA2
M+
M-
GE01
VPA
VPA2
VCPA
VCP2
EPA
EPA2
29 a
28 a
30 a
18 a
7 a
6 a
17 a
26 f
28 f
20 f
22 f
27 f
29 f
B
W
LG
G
(Shielded)
R
G
L
GR
LG
R
P
W
53 GA6
56 GA6
55 GA6
58 GA6
54 GA6
57 GA6
5
3
6
4
2
1
VC
E2
VTA
VTA2
M+
M-
C13
Throttle Body Assembly
6
3
4
1
5
2
VPA
VPA2
VCPA
VCP2
EPA
EPA2
A19
Acceleration Sensor

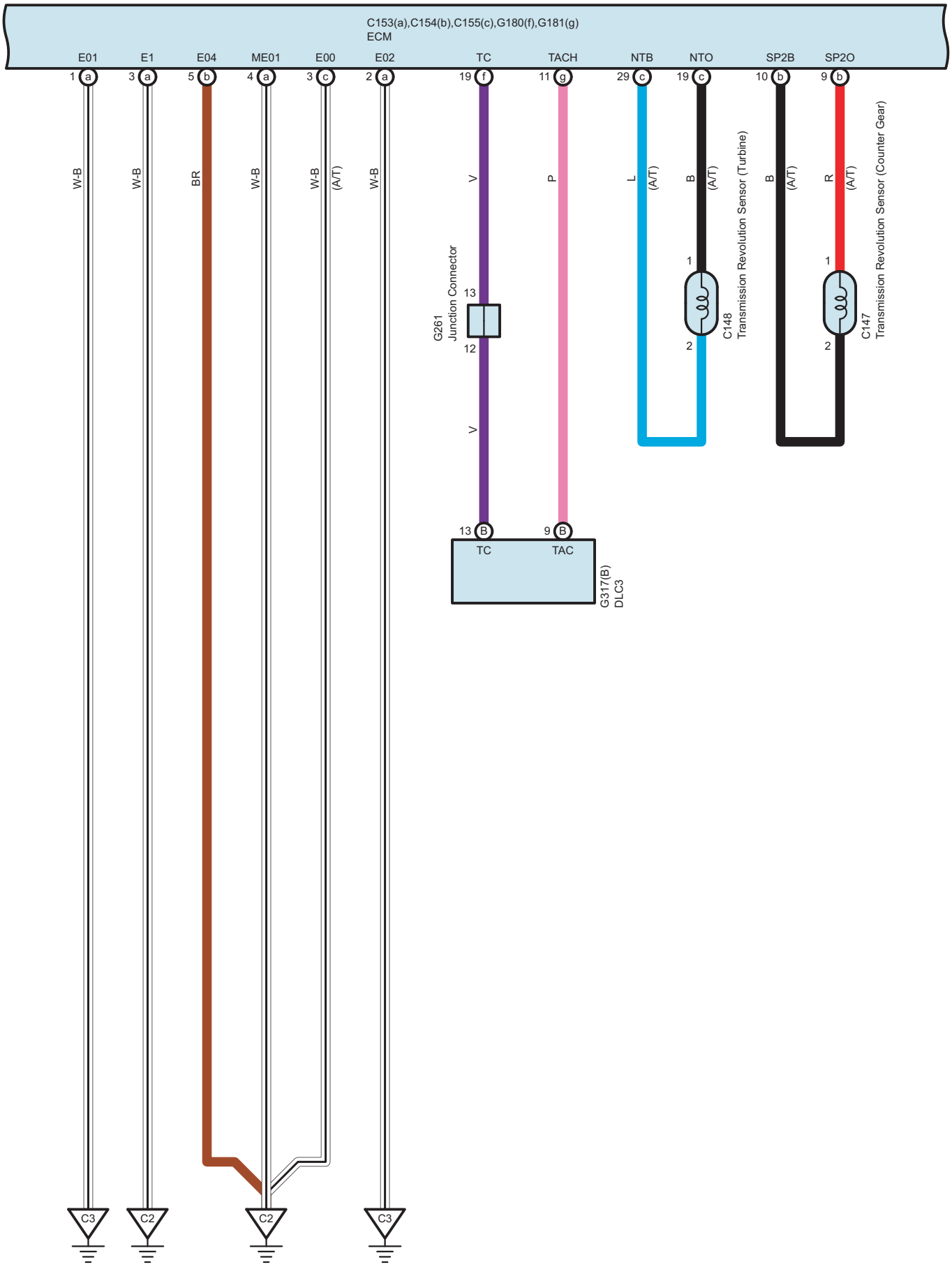

R
R
B-R
B-R

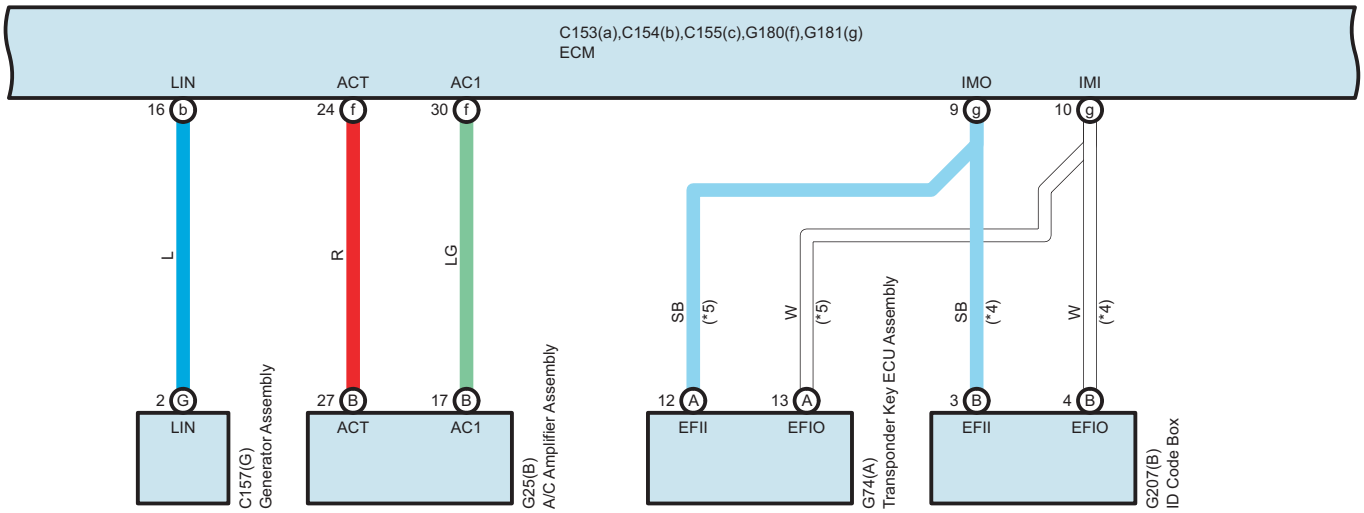

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
OX1B
EX1B
HT1B
ETHW
THW
A1A+
A1A-
HA1A
27
35
7
30
22
26
34
6
(Shielded)
W
B
L-B
R-L
R
G
BR
3
4
2
1
OX1B
E2
+B
HT1B
C27
Oxygen Sensor (Bank 1 Sensor 2)
C24
E.F.I. Engine Coolant Temperature Sensor
A1A+
A1A-
+B
HA1A
C56
Air Fuel Ratio Sensor (Bank 1 Sensor 1)
B-R
L-R
R-L
C2


C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
NE+
NE-
AIP
VCAI
EAIP
KNK1
EKNK
27
34
26
20
25
20
28
BR
(Shielded)
W
B
R
2
NE-
NE
GND
1
3
C53
Crank Position Sensor
3
VC
AIP
2
E2
1
C137
Air Pressure Sensor
2 Ch3
1 Ch3
EKNK
KNK1
h3
Knock Control Sensor (Bank 1)

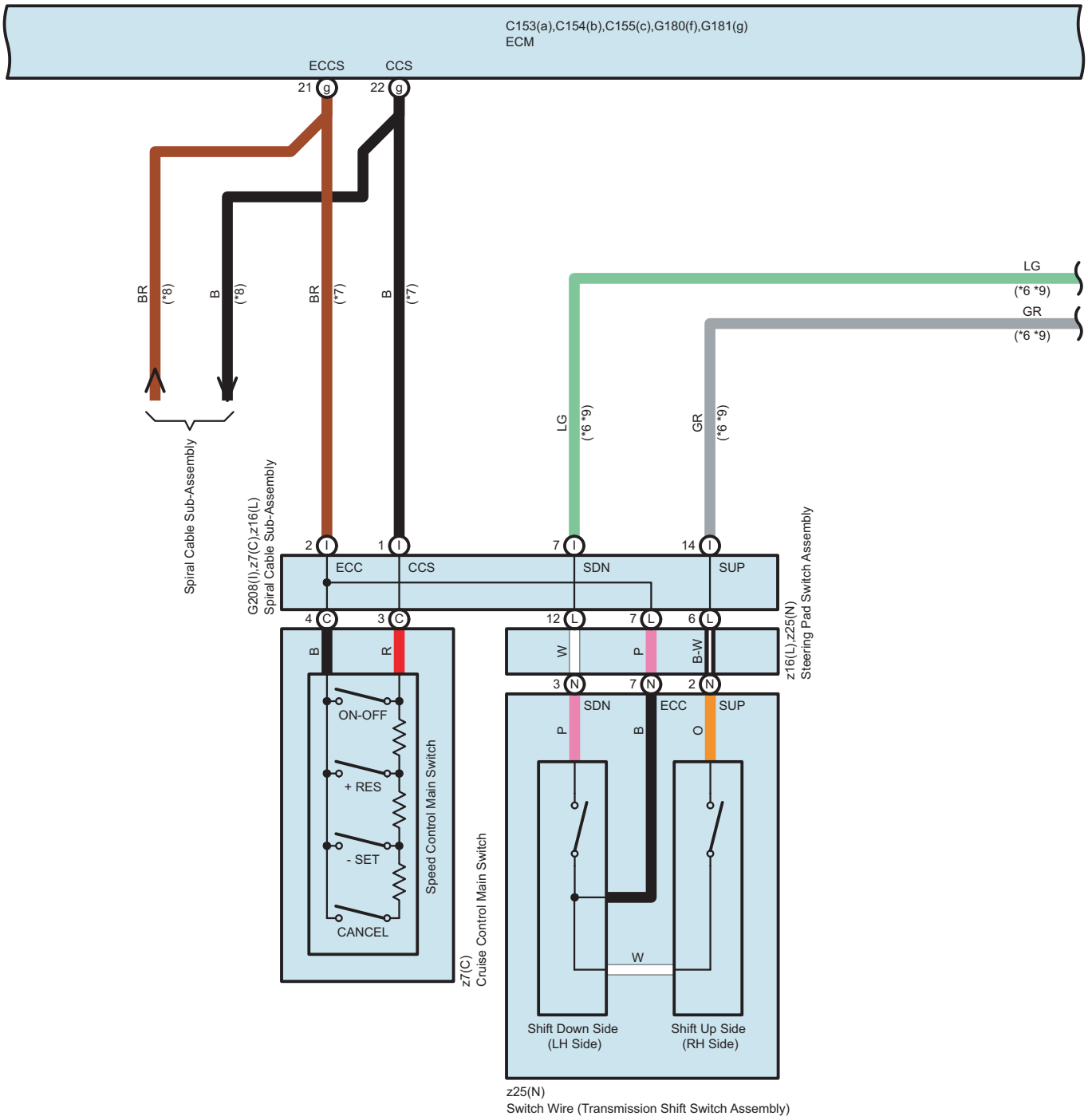

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
SL1+
SL1-
SL2+
SL2-
SL3+
SL3-
SL4+
SL4-
SL
SLU+
SLU-
SLT+
SLT-
THO1
THO2
ETHO
9 8 7 6 16 15 13 12 12 2 1 5 4 20 22 21
V (A/T)
R (A/T)
GR (A/T)
P (A/T)
B (A/T)
W (A/T)
L (A/T)
R (A/T)
L (A/T)
P (A/T)
G (A/T)
G-B (A/T)
L-R (A/T)
V (A/T)
L (A/T)
W (A/T)
25 26 15 16 11 12 23 24 1 21 22 13 14 3 5
SL1+
SL1-
SL2+
SL2-
SL3+
SL3-
SL4+
SL4-
SL
SLU+
SLU-
SLT+
SLT-
OT+
OT2+
G
B
L
B
R
B
GR
B
W
Y
B
W
B
O
L
O
L
OT-
OT2-
4 6
C146(C)
Electronically Controlled Transmission Solenoid
W (A/T)
W (A/T)

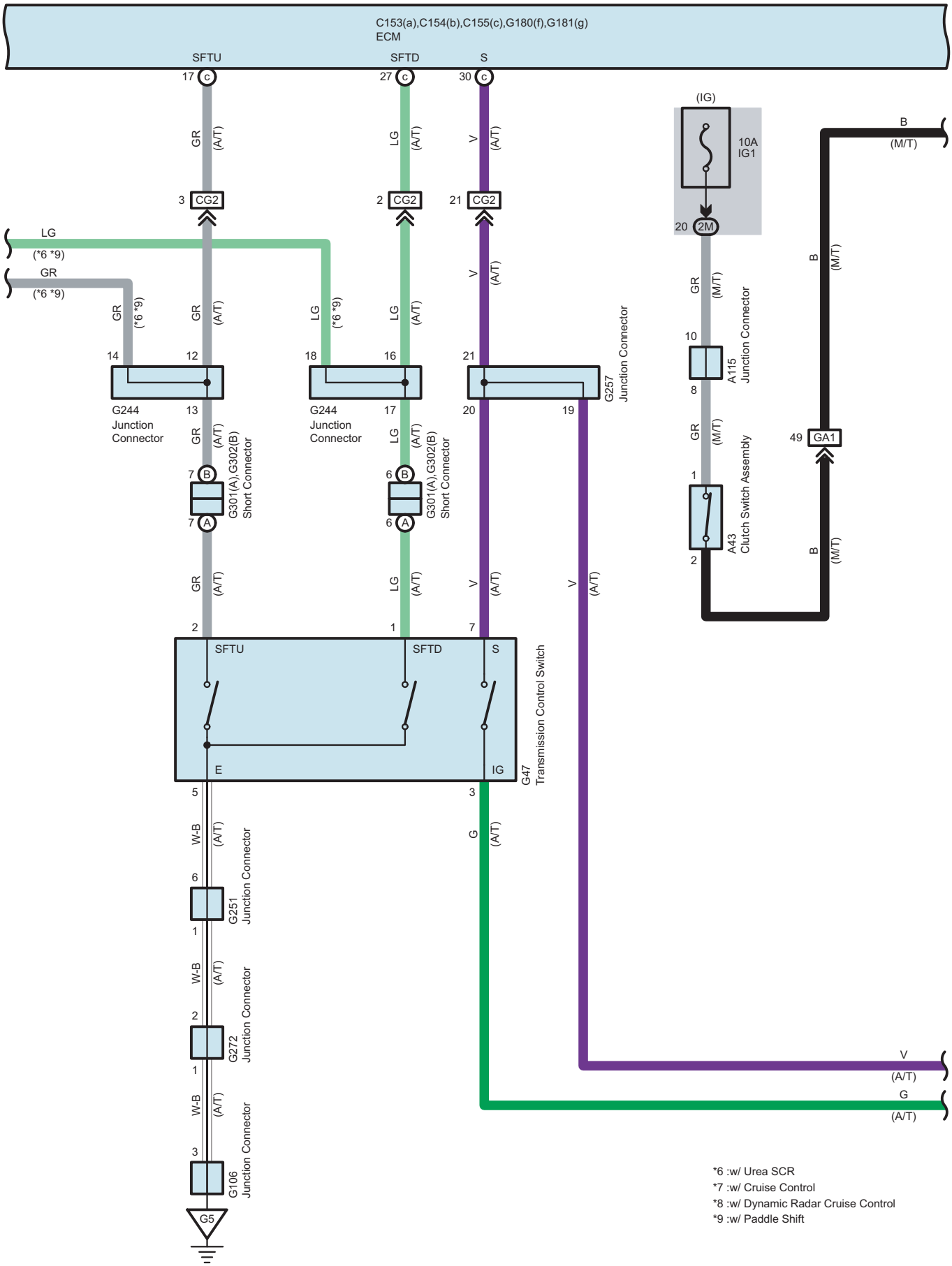

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
VCE1
EV1+
EV1-
VCV1
VV1+
VV1-
STP
ST1-
31
24
32
21
23
22
10
11
P
GR
R
L
B
G
V
B
C140
VVT Sensor (Exhaust Side)
VVE+
VVE-
VC2
C139
VVT Sensor (Intake Side)
VVI+
VVI-
VC
(BAT)
(IG)
10A
STOP
10A
IGN
2
1
12
2M
15
12
G251
Junction Connector
26
GA1
R
1
A59
Diode (Stop Light)
2
W
17
16
A114
Junction Connector
39
GA2
A115
Junction Connector
21
19
17
16
7
6
B
IC1
IC2
L
GND
L
3
2
5
A99(C)
Stop Light Switch Assembly
W-B
47
GA1
1
2
G244
Junction Connector
18
15
G263
Junction Connector
3
G104
Junction Connector
G3

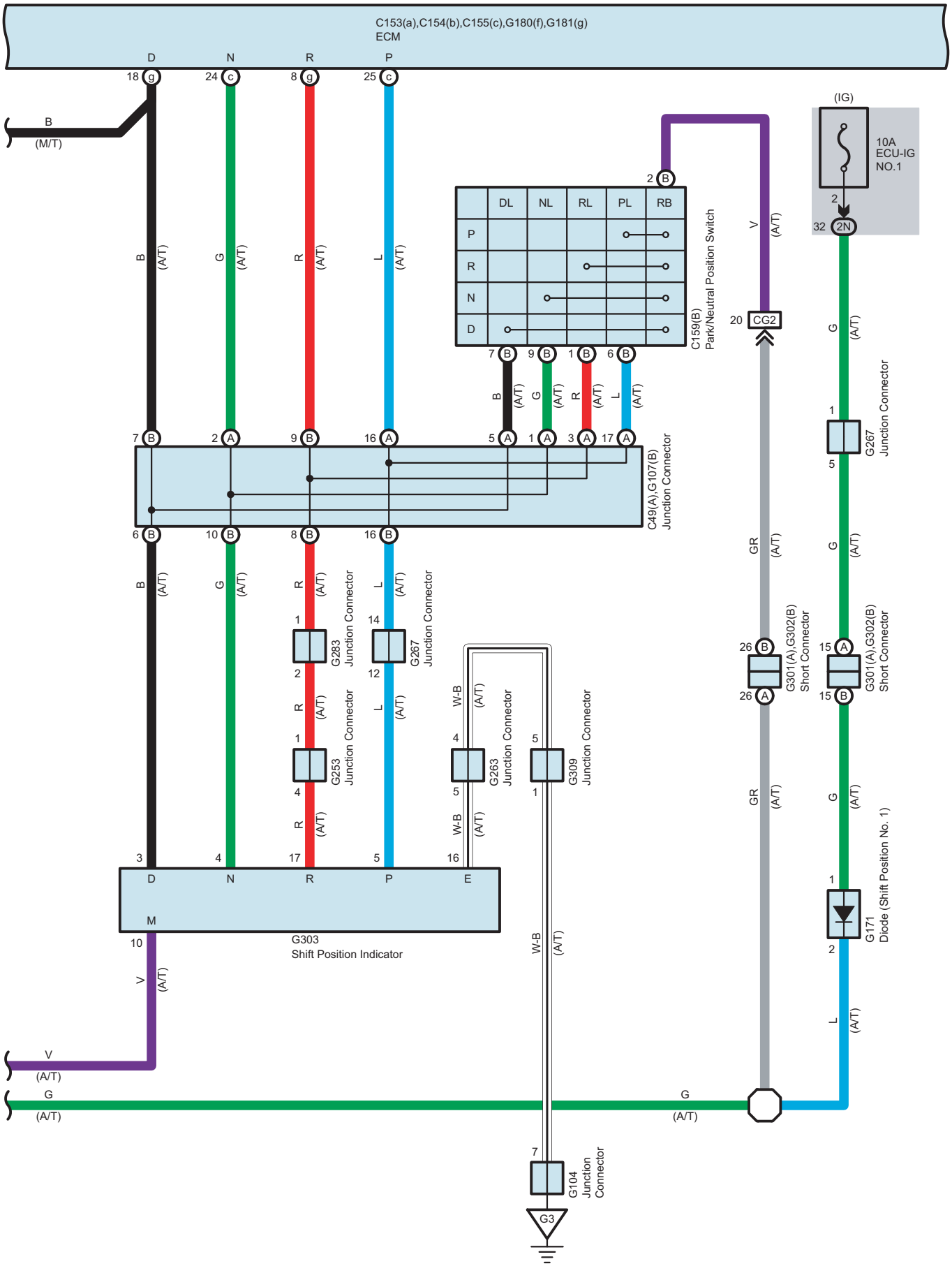

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
E01
E1
E04
ME01
E00
E02
TC
TACH
NTB
NTO
SP2B
SP2O
W-B
BR
V
P
L
B
R
(A/T)
G261
Junction Connector
C148
Transmission Revolution Sensor (Turbine)
C147
Transmission Revolution Sensor (Counter Gear)
G317(B)
DLC3
TC
TAC
C3
C2

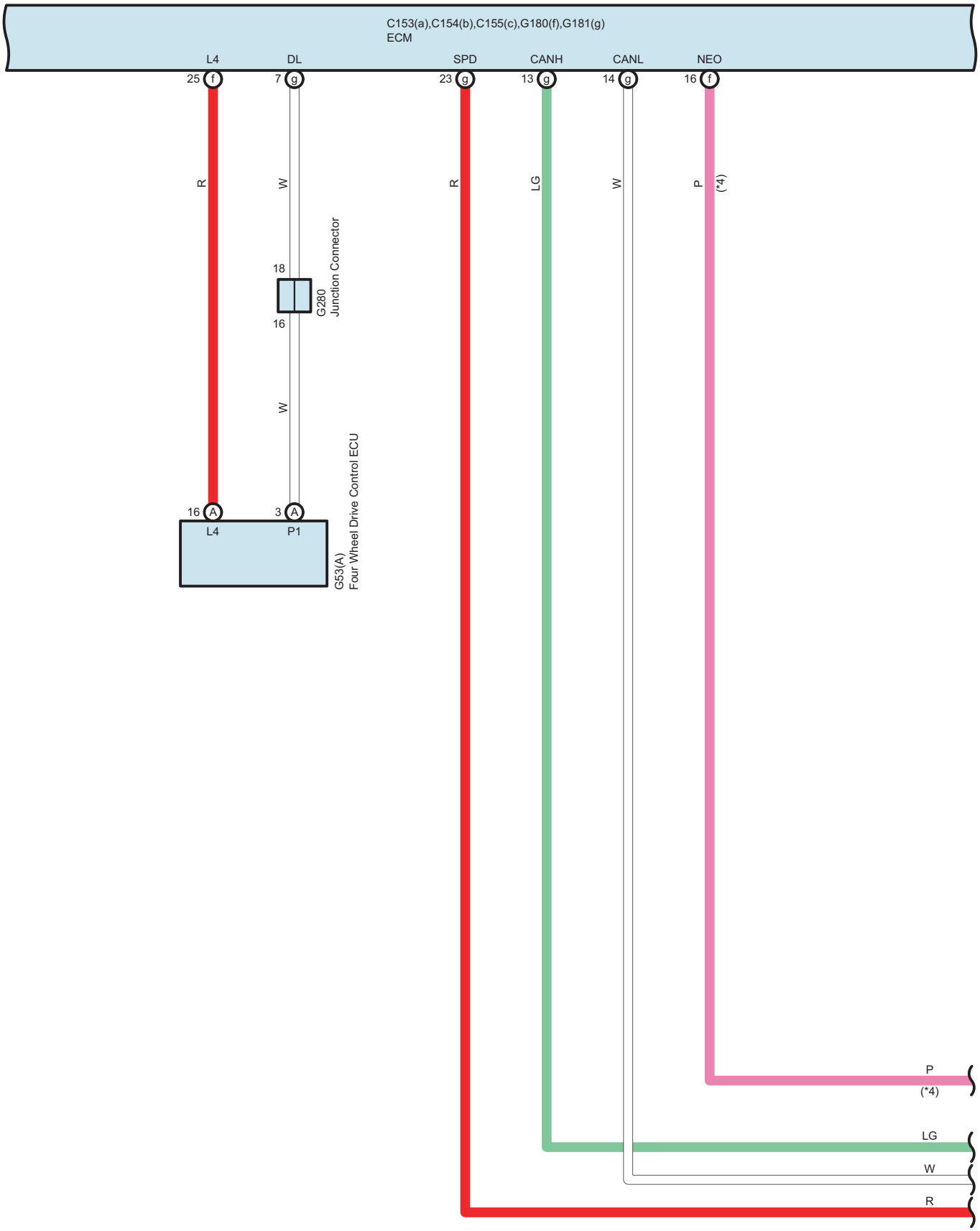


*4 :w/ Entry & Start System
*5 :w/o Entry & Start System

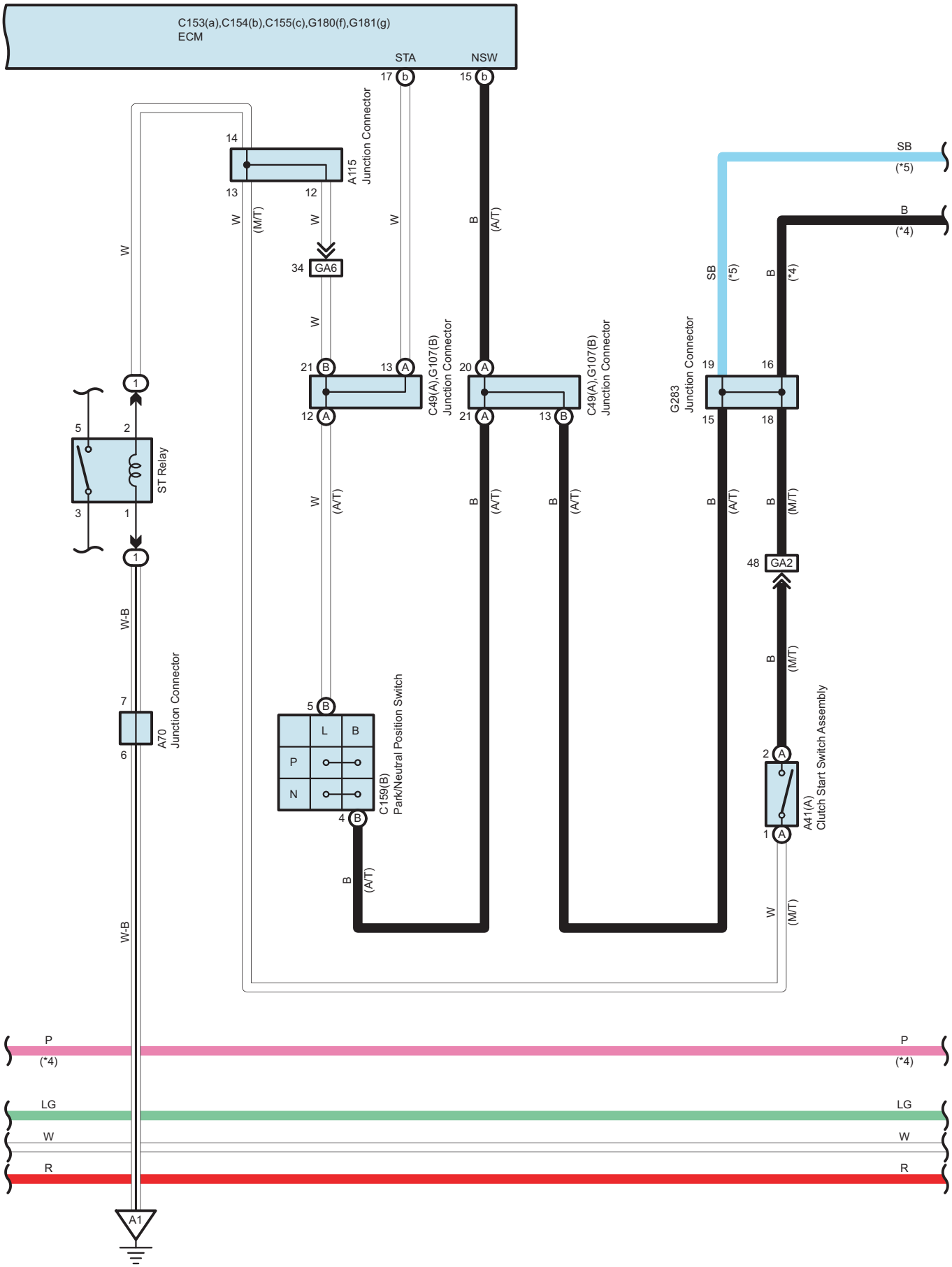

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
ECCS
CCS
21 g
22 g
BR (*8)
B (*8)
BR (*7)
B (*7)
LG (*6 *9)
GR (*6 *9)
LG (*6 *9)
GR (*6 *9)
Spiral Cable Sub-Assembly
G208(I),z7(C),z16(L)
Spiral Cable Sub-Assembly
2 I
1 I
7 I
14 I
ECC
CCS
SDN
SUP
4 C
3 C
12 L
7 L
6 L
B
R
W
P
B-W
z16(L),z25(N)
Steering Pad Switch Assembly
3 N
7 N
2 N
SDN
ECC
SUP
P
B
O
ON-OFF
+ RES
- SET
CANCEL
Speed Control Main Switch
z7(C)
Cruise Control Main Switch
W
Shift Down Side
(LH Side)
Shift Up Side
(RH Side)
z25(N)
Switch Wire (Transmission Shift Switch Assembly)

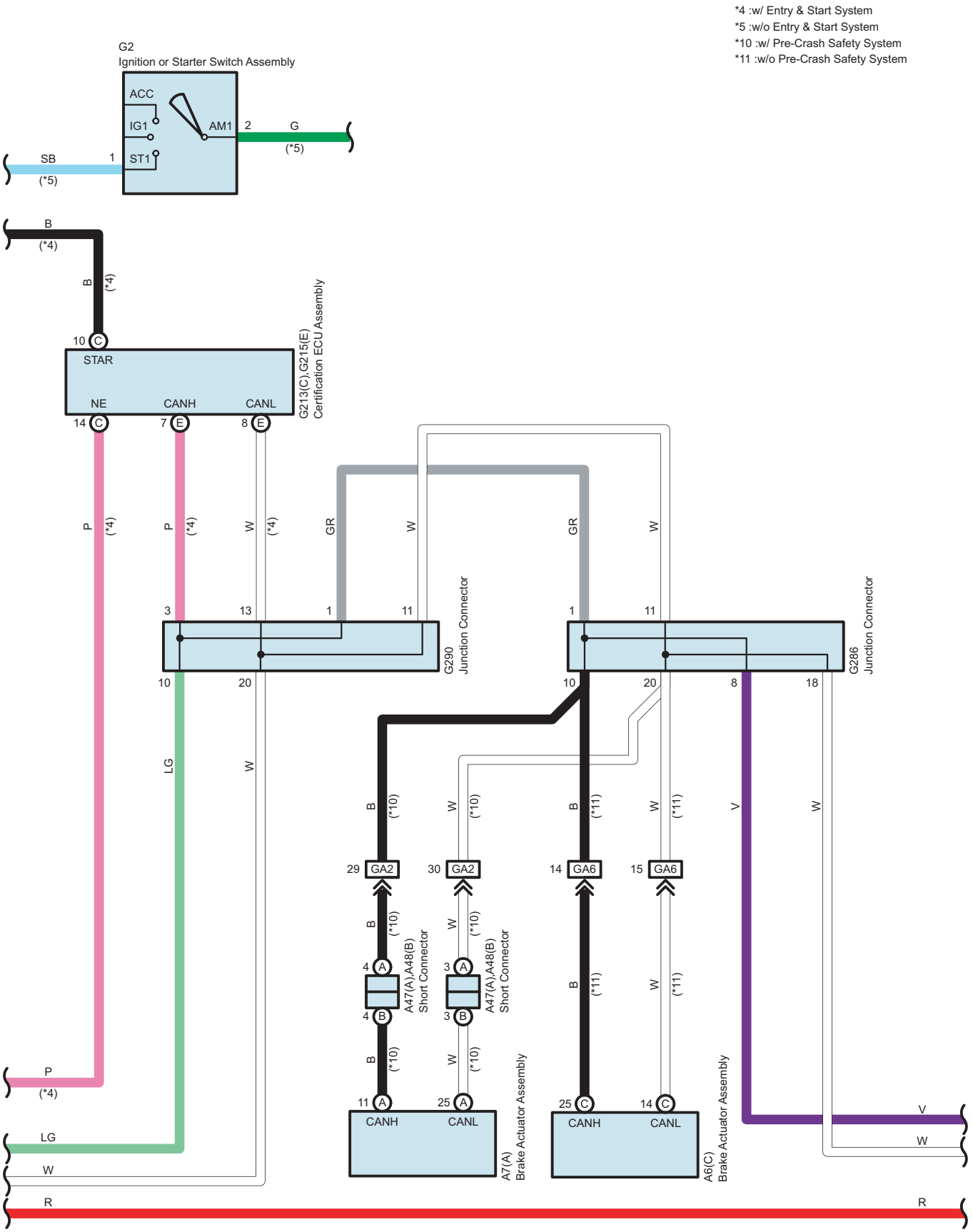

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
SFTU
SFTD
S
17 C
27 C
30 C
GR (A/T)
LG (A/T)
V (A/T)
3 CG2
2 CG2
21 CG2
(IG)
10A IG1
20 2M
B (M/T)
LG (*6 *9)
GR (*6 *9)
GR (M/T)
10
A115 Junction Connector
8
GR (M/T)
1
A43 Clutch Switch Assembly
2
B (M/T)
49 GA1
B (M/T)
GR (*6 *9)
LG (*6 *9)
V (A/T)
14
12
18
16
21
G244 Junction Connector
13
17
20
19
G257 Junction Connector
GR (A/T)
LG (A/T)
7 B
7 A
6 B
6 A
G301(A),G302(B) Short Connector
GR (A/T)
LG (A/T)
V (A/T)
V (A/T)
2
1
7
SFTU
SFTD
S
E
IG
G47 Transmission Control Switch
5
3
W-B (A/T)
G (A/T)
6
1
G251 Junction Connector
W-B (A/T)
2
1
G272 Junction Connector
W-B (A/T)
3
G106 Junction Connector
G5
V (A/T)
G (A/T)
*6 :w/ Urea SCR
*7 :w/ Cruise Control
*8 :w/ Dynamic Radar Cruise Control
*9 :w/ Paddle Shift

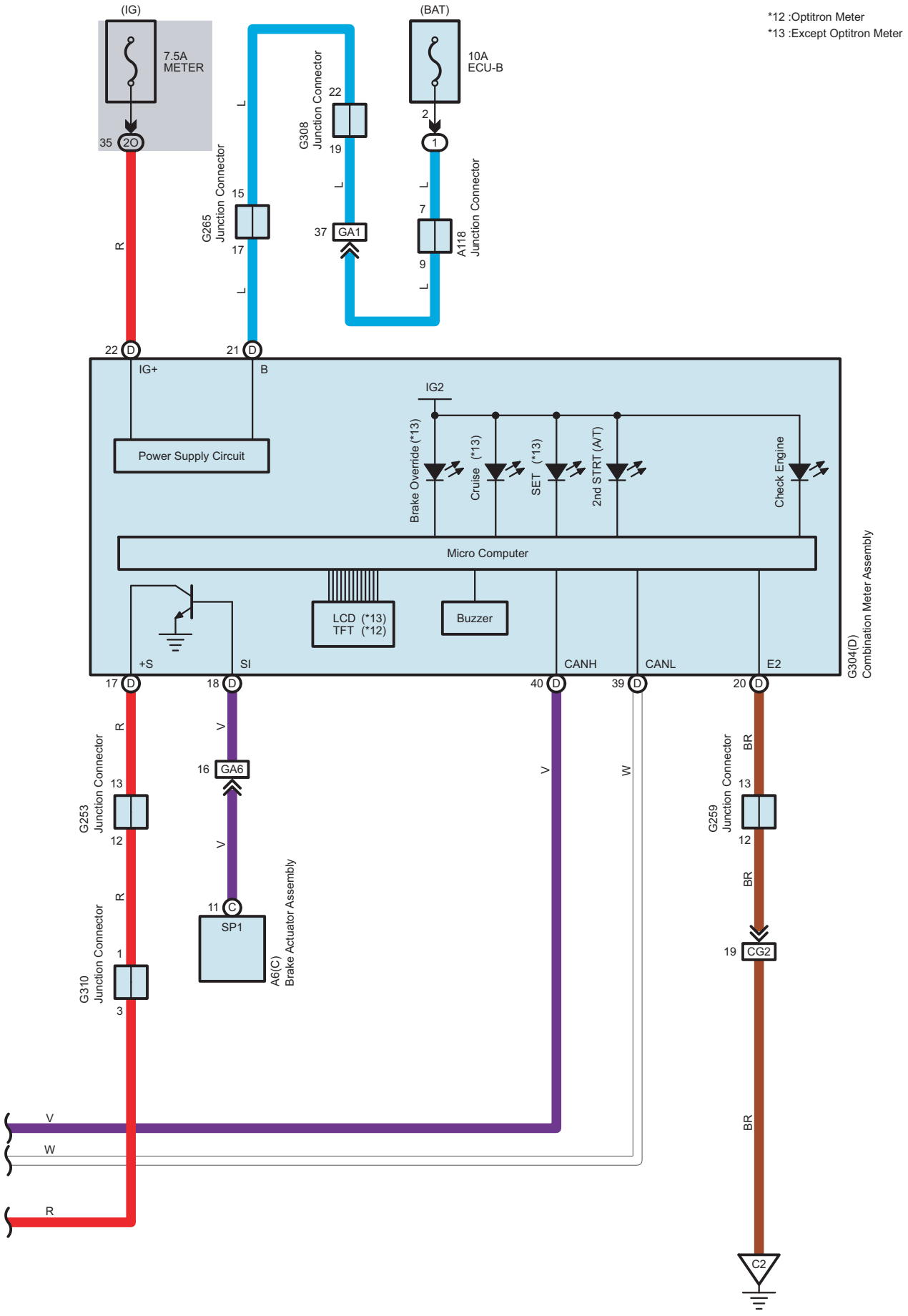

C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
D
N
R
P
18 g
24 c
8 g
25 c
B
(M/T)
(IG)
10A
ECU-IG
NO.1
2
32 2N
2 B
DL
NL
RL
PL
RB
P
R
N
D
C159(B)
Park/Neutral Position Switch
V
(A/T)
20 CG2
7 B
9 B
1 B
6 B
B
(A/T)
G
(A/T)
R
(A/T)
L
(A/T)
7 B
2 A
9 B
16 A
5 A
1 A
3 A
17 A
C49(A),G107(B)
Junction Connector
6 B
10 B
8 B
16 B
1
2
G283
Junction Connector
14
12
G267
Junction Connector
G
(A/T)
1
5
G267
Junction Connector
GR
(A/T)
26 B
26 A
G301(A),G302(B)
Short Connector
15 A
15 B
G301(A),G302(B)
Short Connector
W-B
(A/T)
4
5
G263
Junction Connector
1
G309
Junction Connector
3
4
17
5
16
D
N
R
P
E
M
10
G303
Shift Position Indicator
V
(A/T)
G
(A/T)
1
2
G171
Diode (Shift Position No. 1)
L
(A/T)
7
G104
Junction
Connector
G3



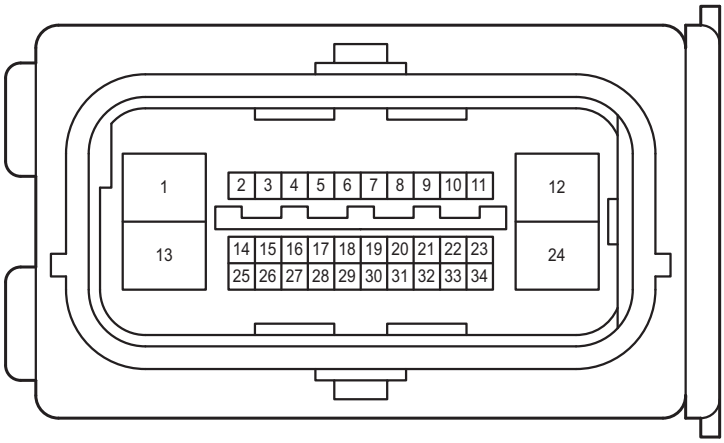
*4 :w/ Entry & Start System


C153(a),C154(b),C155(c),G180(f),G181(g)
ECM
STA
NSW
17
15
A115
Junction Connector
14
13
12
W
(M/T)
W
W
B
(A/T)
SB
(*5)
B
(*4)
34
GA6
W
21
13
20
C49(A),G107(B)
Junction Connector
12
21
13
C49(A),G107(B)
Junction Connector
G283
Junction Connector
19
16
15
18
W
(A/T)
B
(A/T)
B
(A/T)
B
(A/T)
B
(M/T)
48
GA2
5
2
3
1
ST Relay
1
W-B
7
6
A70
Junction Connector
5
L
B
P
N
4
C159(B)
Park/Neutral Position Switch
B
(A/T)
B
(M/T)
2
1
A41(A)
Clutch Start Switch Assembly
W
(M/T)
W-B
P
(*4)
P
(*4)
LG
LG
W
W
R
R
A1


*4 :w/ Entry & Start System
*5 :w/o Entry & Start System
*10 :w/ Pre-Crash Safety System
*11 :w/o Pre-Crash Safety System
G2
Ignition or Starter Switch Assembly
ACC
IG1
ST1
AM1
SB
(*5)
G
(*5)
B
(*4)
STAR
NE
CANH
CANL
G213(C),G215(E)
Certification ECU Assembly
P
W
GR
LG
V
R
G290
Junction Connector
G286
Junction Connector
GA2
GA6
A47(A),A48(B)
Short Connector
A7(A)
Brake Actuator Assembly
A6(C)
Brake Actuator Assembly

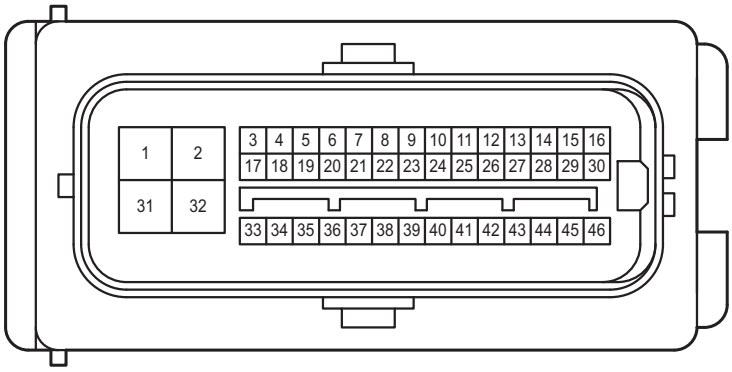

*12 :Optitron Meter
*13 :Except Optitron Meter
(IG)
7.5A
METER
35 2O
R
22 D
IG+
21 D
B
Power Supply Circuit
(BAT)
10A
ECU-B
2
1
G308
Junction Connector
22
19
L
37 GA1
G265
Junction Connector
15
17
L
L
7
9
A118
Junction Connector
IG2
Brake Override (*13)
Cruise (*13)
SET (*13)
2nd STRT (A/T)
Check Engine
Micro Computer
LCD (*13)
TFT (*12)
Buzzer
+S
SI
CANH
CANL
E2
G304(D)
Combination Meter Assembly
17 D
18 D
40 D
39 D
20 D
R
V
V
W
BR
G253
Junction Connector
13
12
16 GA6
11 C
SP1
A6(C)
Brake Actuator Assembly
G259
Junction Connector
13
12
19 CG2
G310
Junction Connector
1
3
V
W
R
BR
C2

A6
Black



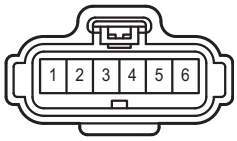
90980-12686

A7
Black



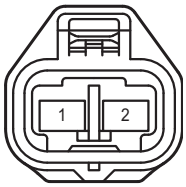
90980-12297

A16
Black



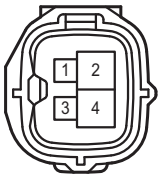
90980-11858

A17
Black



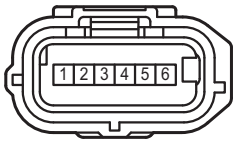
90980-12068

A18
Black



90980-12294

A19
Black



90980-12303

A41
White



90980-10825

A43
White



90980-10906

A47
Gray



90980-10945

A48
Gray



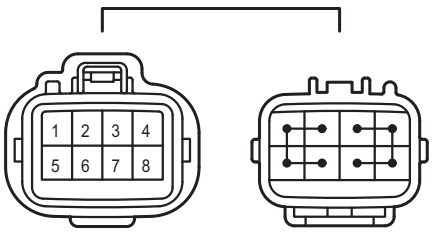
90980-10946

A59
Black



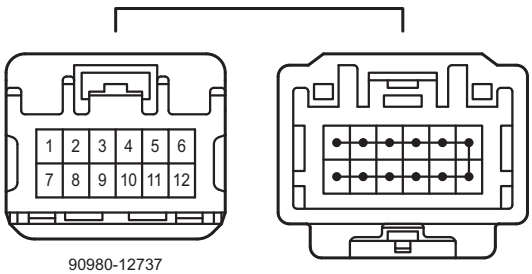
90980-10962

A68
Dark Gray



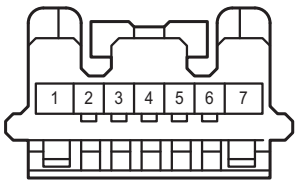
90980-10891

A70
White



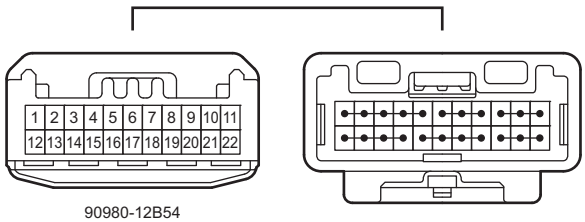
90980-12737

A99
Black



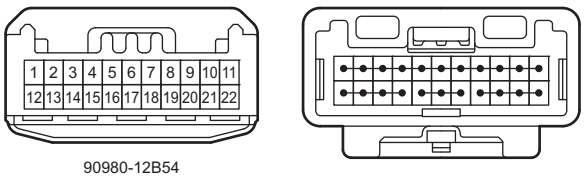
90980-12092

A114
Blue



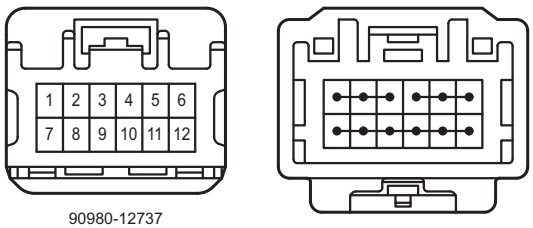
90980-12B54

A115
Gray



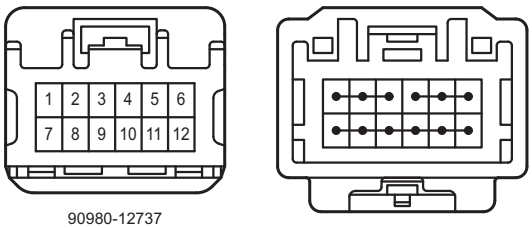
90980-12B54

A118
Gray



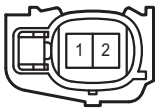
90980-12737

A122
Black



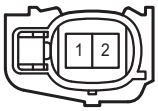
90980-12737

C2
Gray



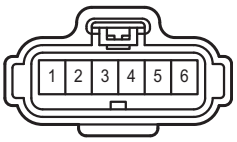
90980-11875

C4
Gray



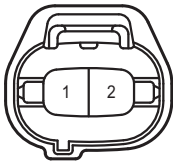
90980-11875

C13
Black



90980-11858

C15
Black



90980-11156

C17
Black



90980-11162

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

C27
Dark Gray



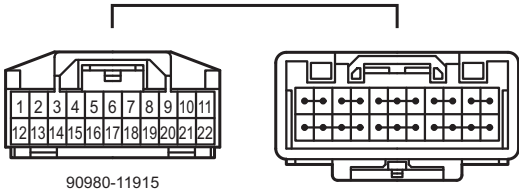
90980-10869

C33
Black



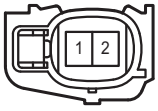
90980-12292

C49
Blue



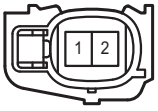
90980-11915

C50
Brown



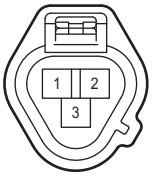
90980-11875

C51
Brown



90980-11875

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



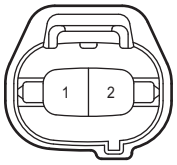
90980-11016

C54
Black



90980-11162

C55
Black



90980-11149

C56
Dark Gray (Before Jun. 2015 Production) / Gray (From Jun. 2015 Production)



90980-11178

C57
Black



90980-11428

C137
Black



90980-10845

C139
Black



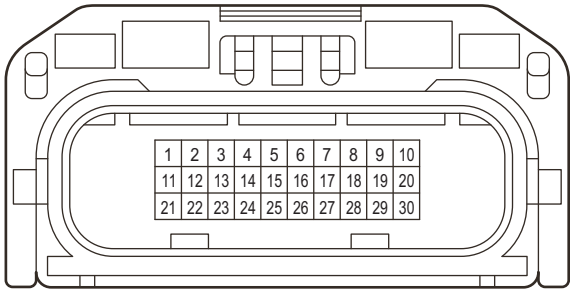
90980-12353

C140
Black



90980-12353

C146
Gray



90980-12712

C147
Black



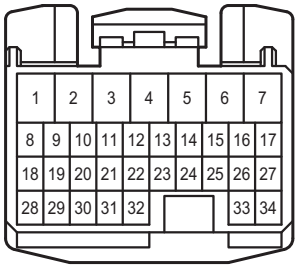
90980-12B06

C148
Black



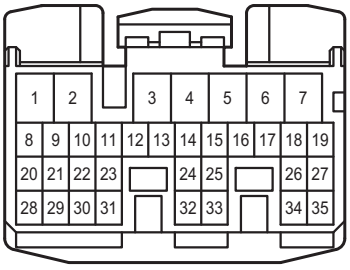
90980-12B06

C153
White



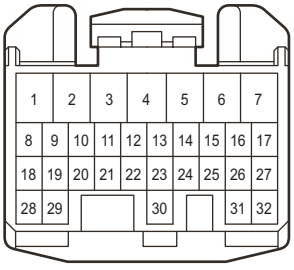
90980-12527

C154
White



90980-12528

C155
White



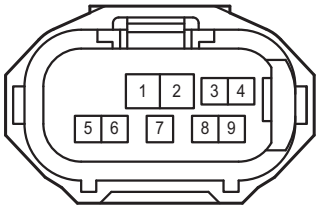
90980-12526

C157
Black



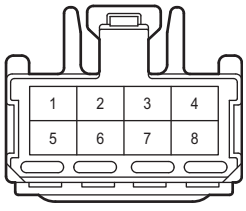
90980-12A88

C159
Gray



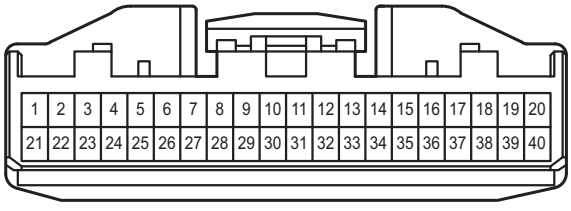
90980-12A23

G2
White



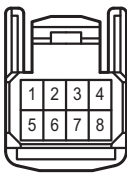
90980-11615

G25
White



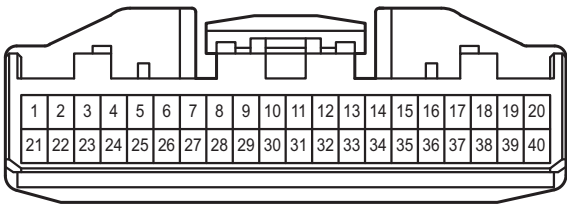
90980-12557

G47
Black



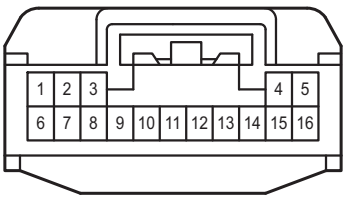
90980-12551

G53
Black



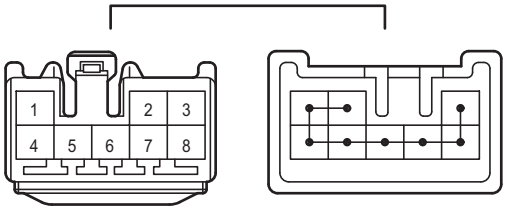
90980-12557

G74
Black



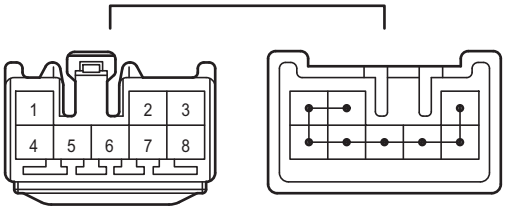
90980-12423

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



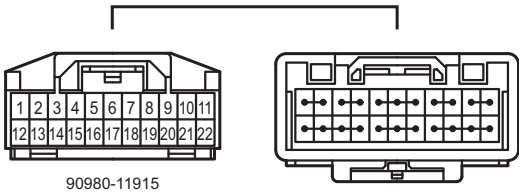
90980-11686

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



90980-11686

G107
Blue



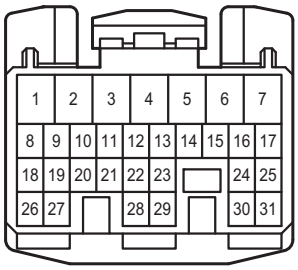
90980-11915

G171
Gray



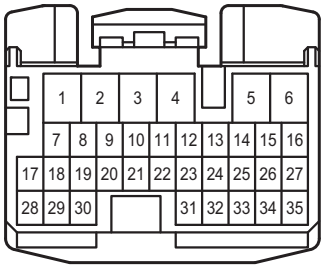
90980-11608

G180
White



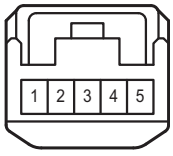
90980-12525

G181
White



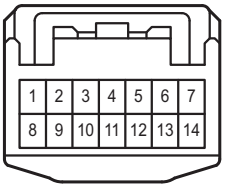
90980-12529

G207
White



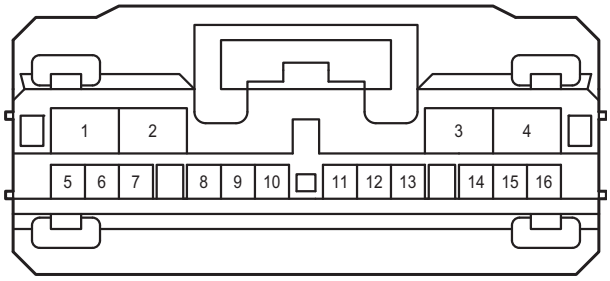
90980-12366

G208
Black



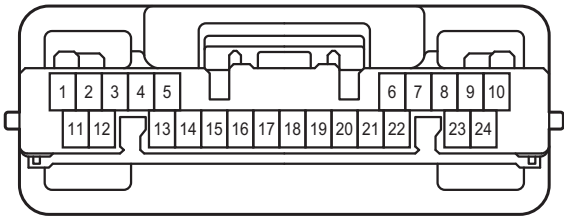
90980-12370

G213
White



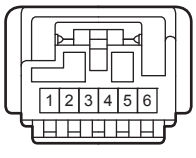
90980-12763

G215
Black



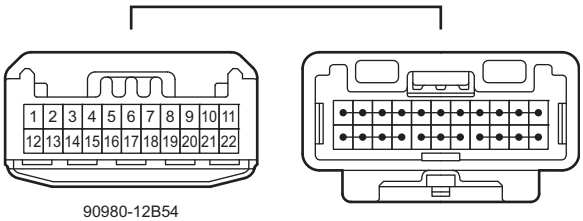
90980-12A42

G225
White



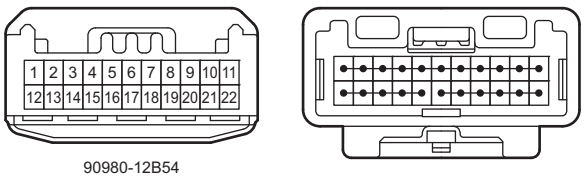
90980-12C73

G244
White



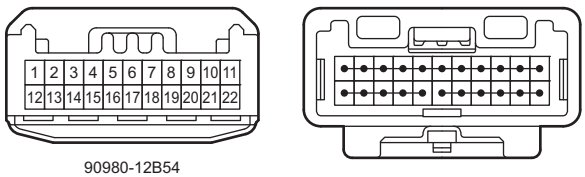
90980-12B54

G251
Blue



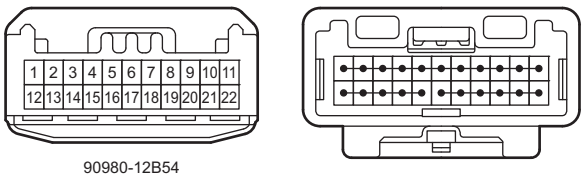
90980-12B54

G253
White



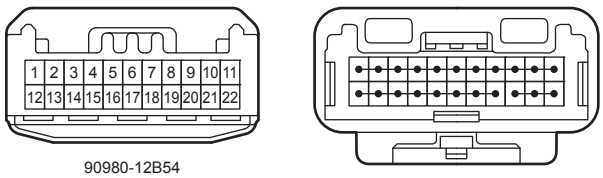
90980-12B54

G257
White



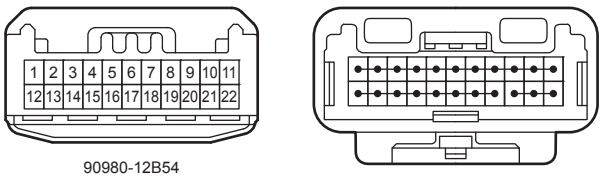
90980-12B54

G259
Blue



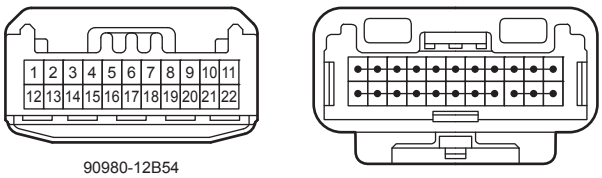
90980-12B54

G261
White



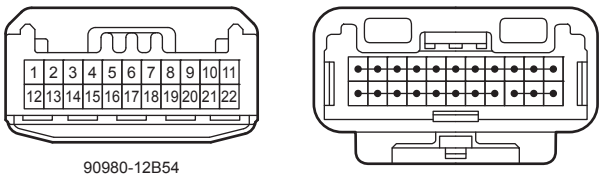
90980-12B54

G263
Blue



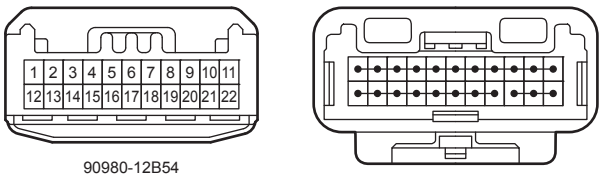
90980-12B54

G265
White



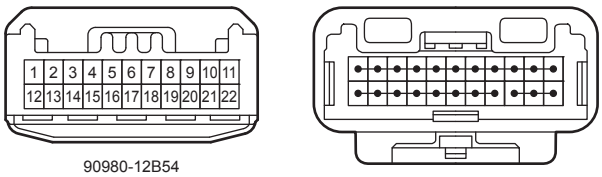
90980-12B54

G267
Blue



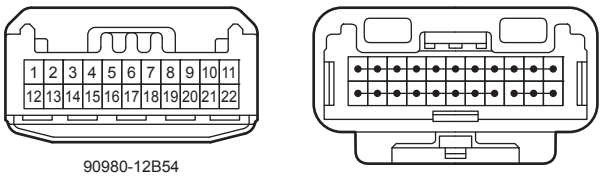
90980-12B54

G269
White



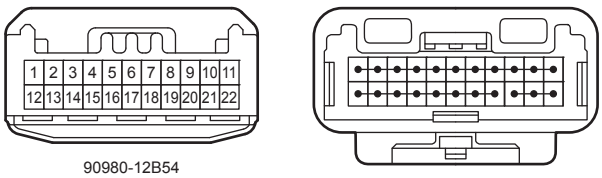
90980-12B54

G272
Gray



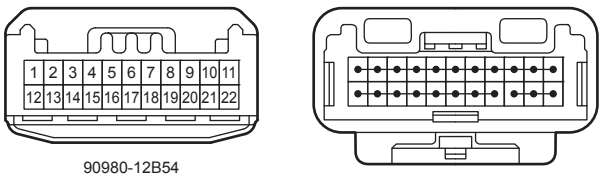
90980-12B54

G280
Blue



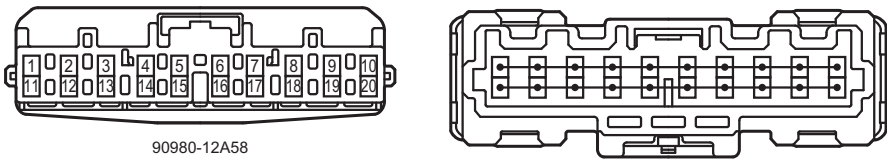
90980-12B54

G283
Blue



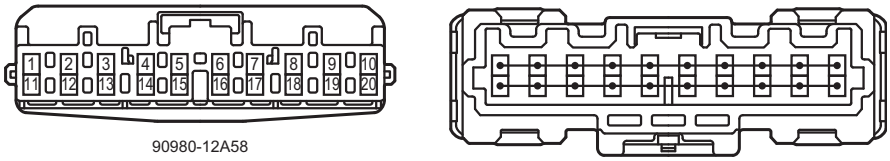
90980-12B54

G286
White



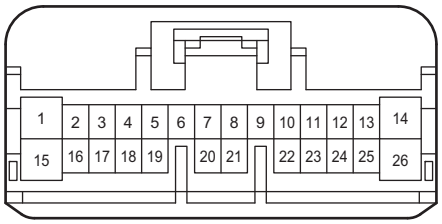
90980-12A58

G290
White



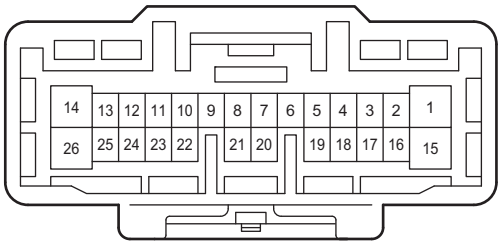
90980-12A58

G301
White



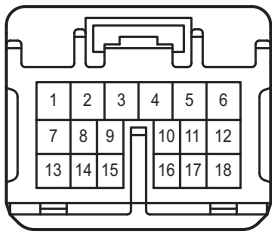
90980-12771

G302
White



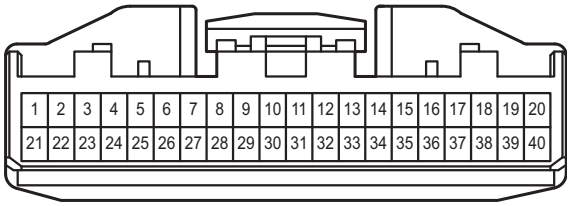
90980-12770

G303
White



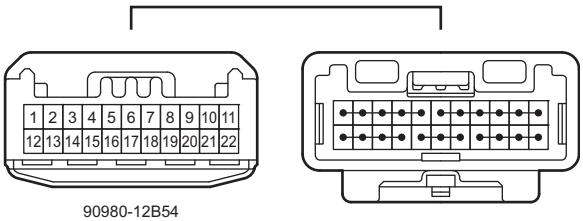
90980-12745

G304
White



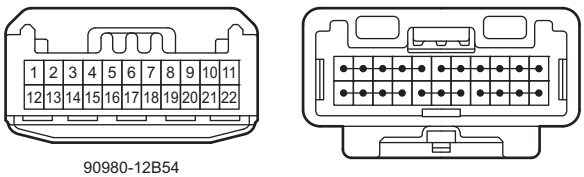
90980-12557

G308
Blue



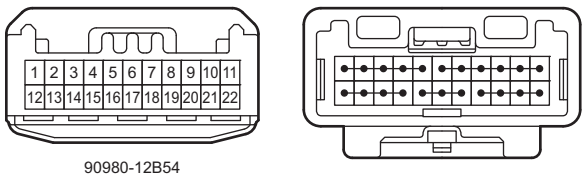
90980-12B54

G309
Blue



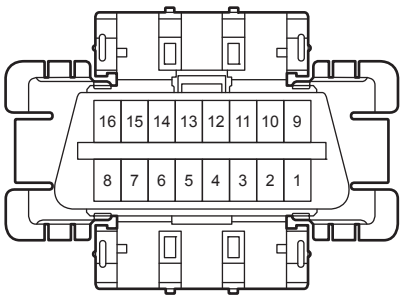
90980-12B54

G310
Gray



90980-12B54

G317
White



90980-12D97

R38
Dark Gray



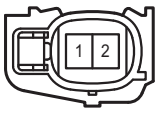
90980-11038

S5
White



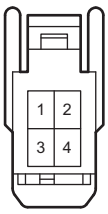
90980-11077

h3
Black



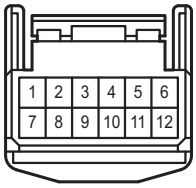
90980-11875

z7
White



90980-12360

z16
Black



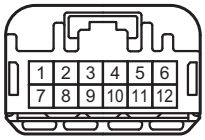
90980-12559

z25
White



90980-12221

(1T)
White



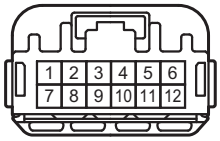
90980-12A56

(1V)
Black



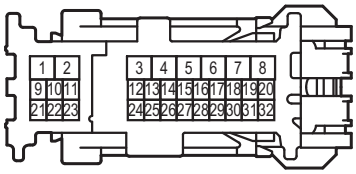
90980-12A54

(1W)
White



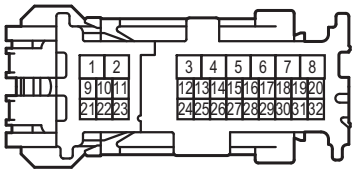
90980-12A91

(2M)
White



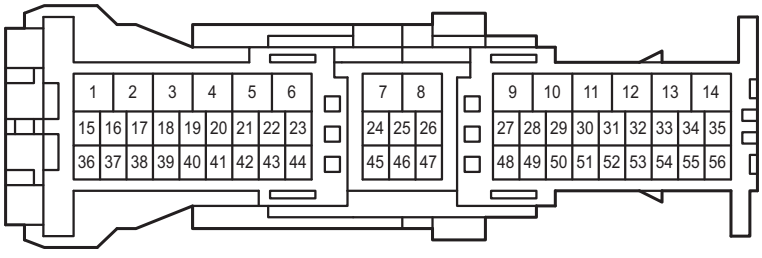
90980-12A47

(2N)
White



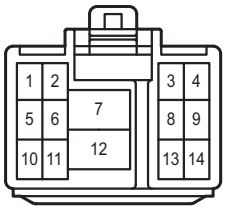
90980-12A48

(2O)
White

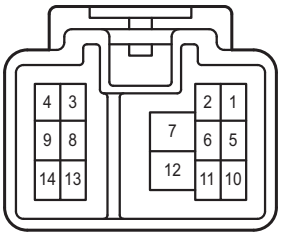


90980-12943

AR2
Gray

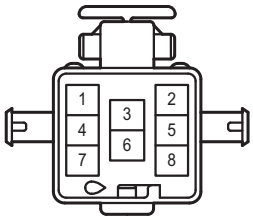


90980-10813

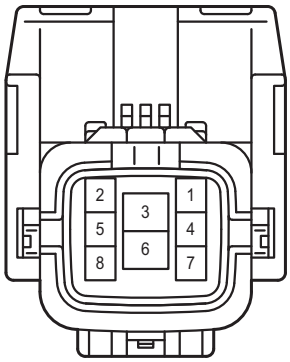


90980-10812

CA1
Black

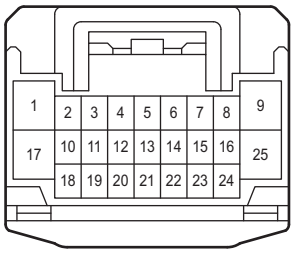


90980-11461

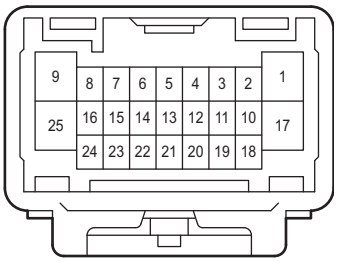


90980-11460

CG2
White



90980-12414



90980-12413

Ch3
Black

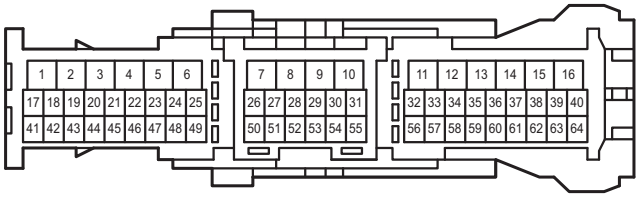


90980-12B06

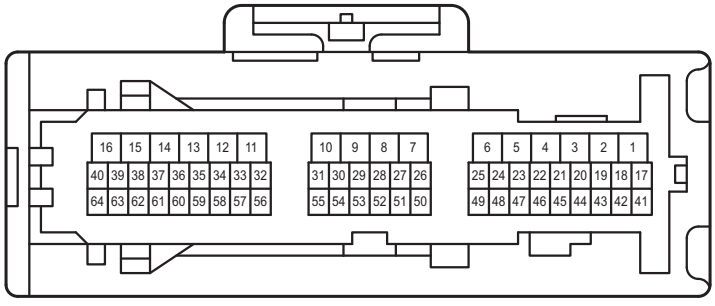


90980-11155

GA1
White

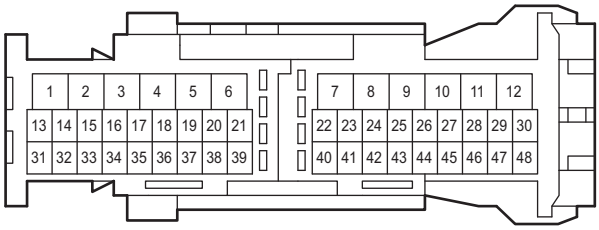


90980-12774

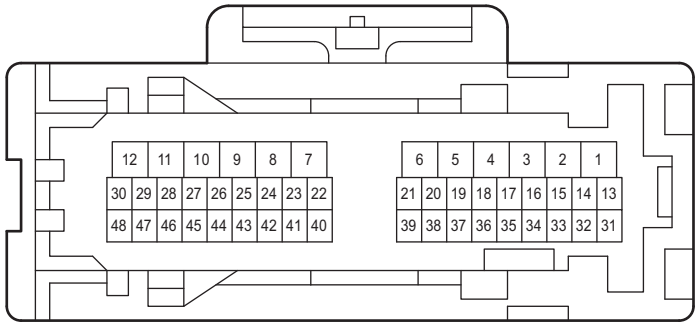


90980-12798

GA2
White

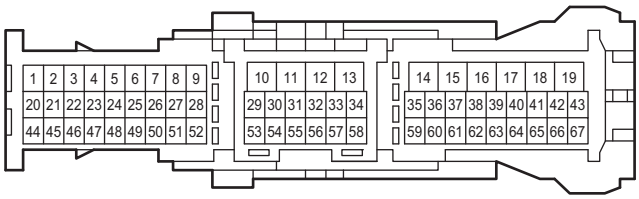


90980-12779

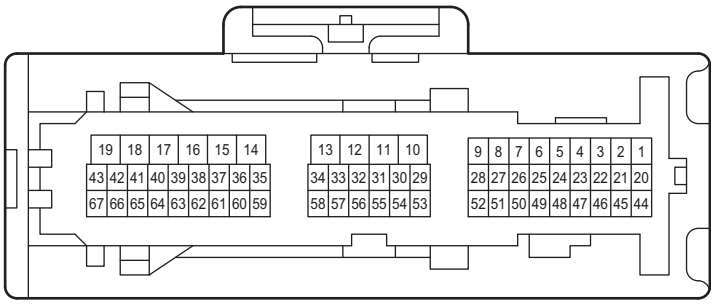


90980-12799

GA6
White

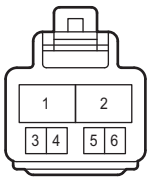


90980-12783

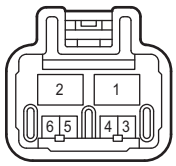


90980-12800

GA7
Black



90980-10910



90980-10909

SR3
White



90980-10942



90980-10941