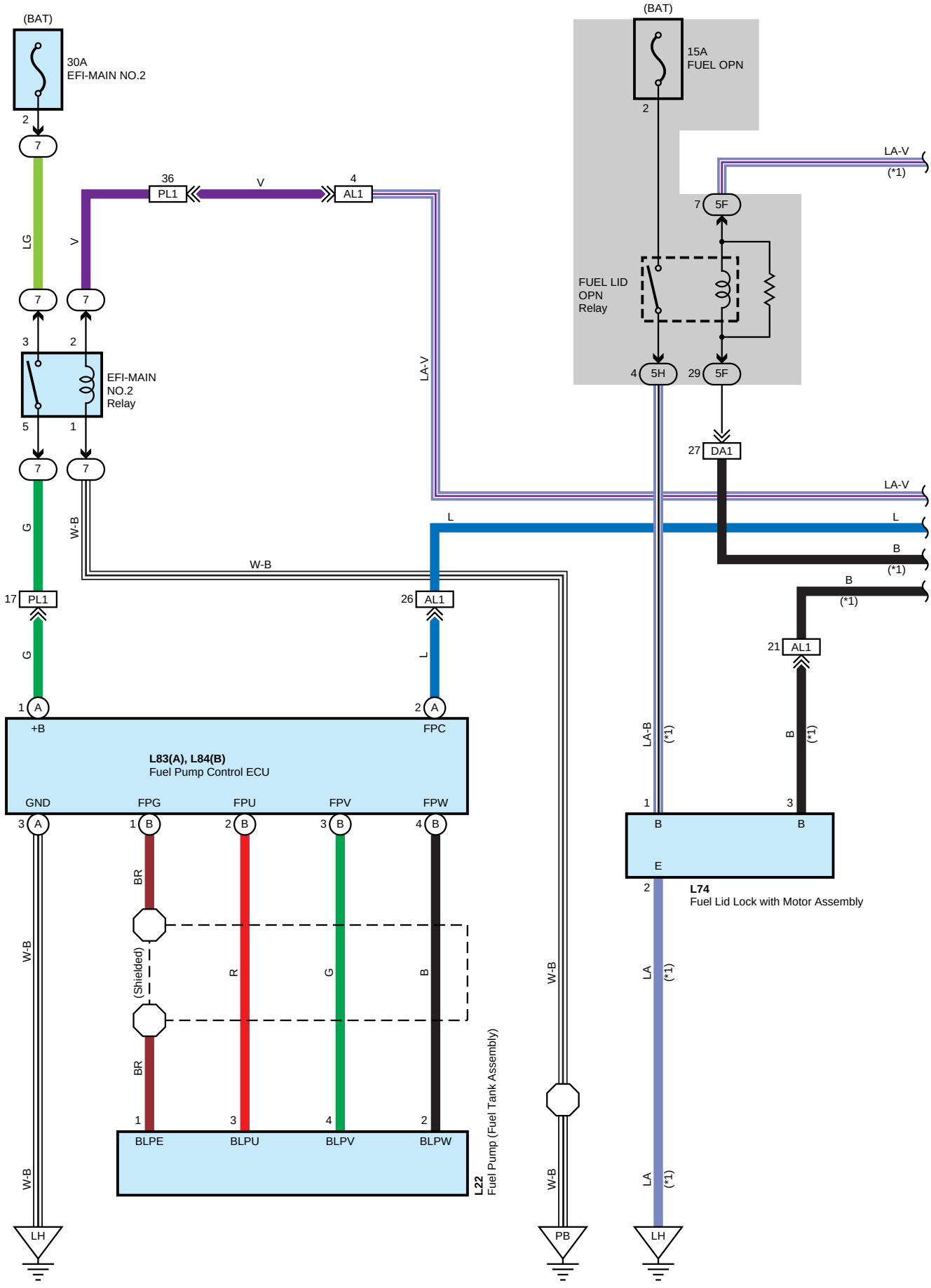
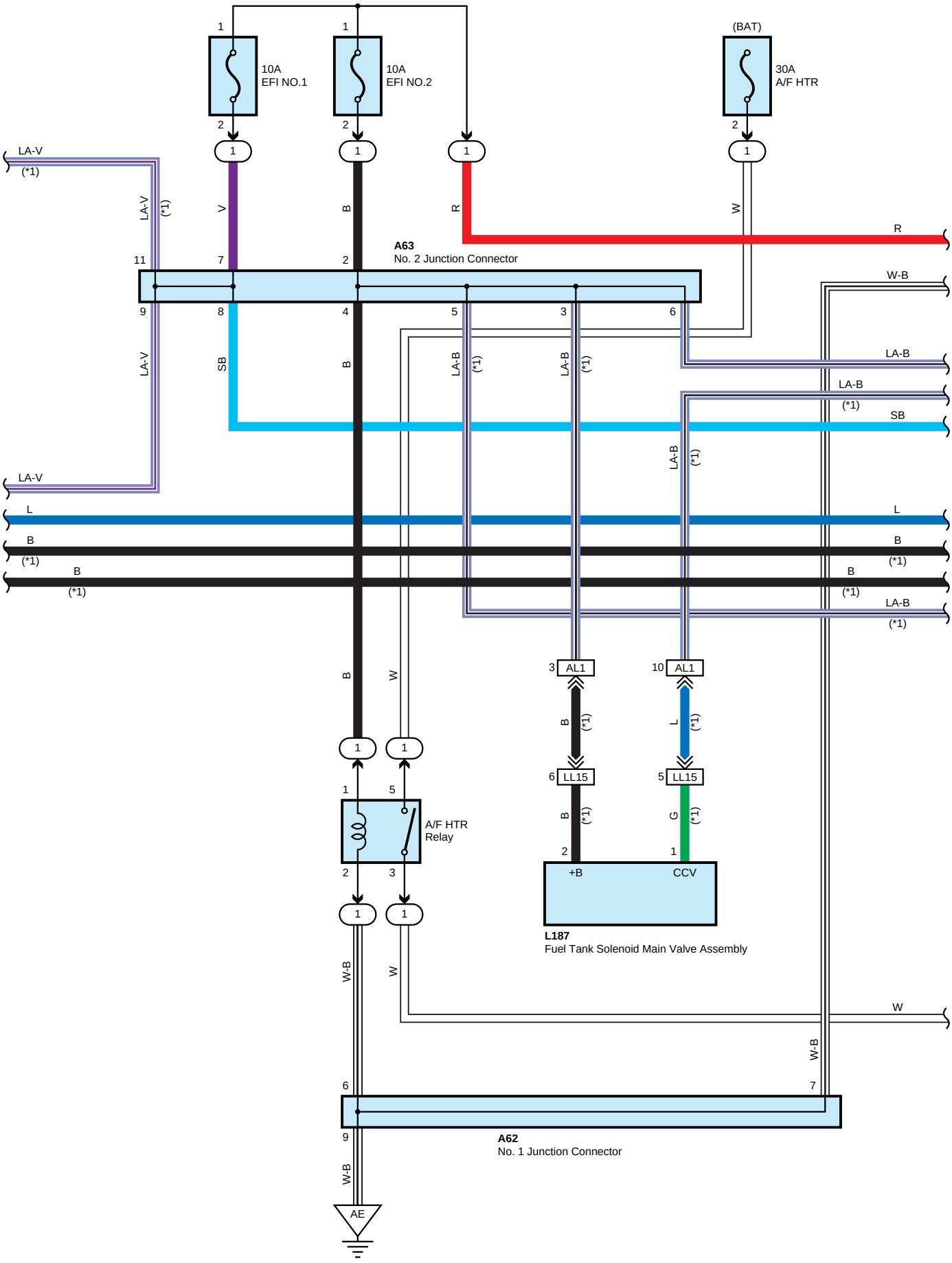
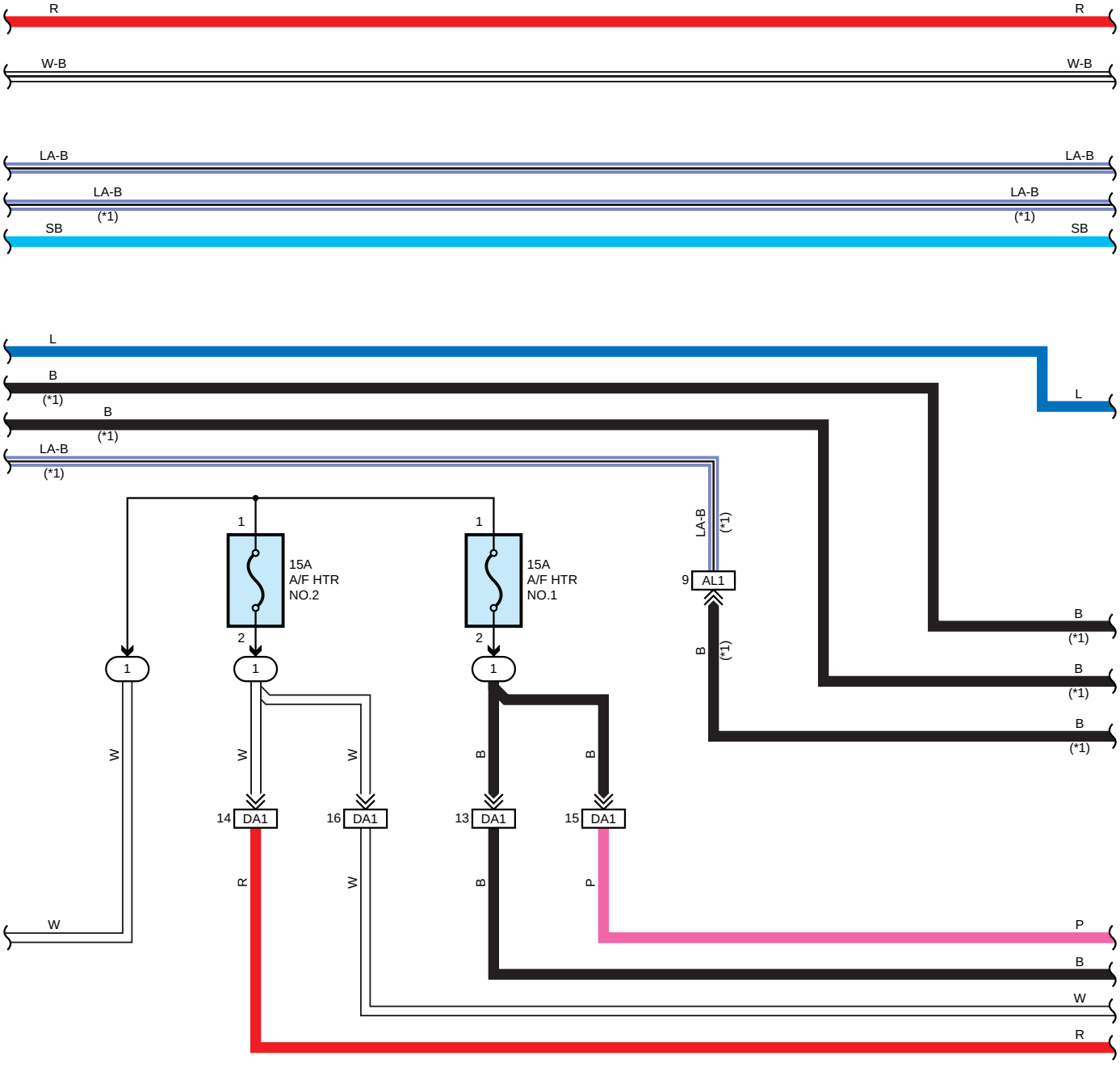
*1 : Korea


(BAT)
30A
EFI-MAIN NO.2
2
7
LG
V
36
PL1
V
4
AL1
7
7
3
2
EFI-MAIN
NO.2
Relay
5
1
7
7
G
W-B
17
PL1
G
1
A
+B
W-B
L
26
AL1
L
2
A
FPC
L83(A), L84(B)
Fuel Pump Control ECU
GND
FPG
FPU
FPV
FPW
3
A
1
B
2
B
3
B
4
B
BR
(Shielded)
R
G
B
BR
1
3
4
2
BLPE
BLPU
BLPV
BLPW
L22
Fuel Pump (Fuel Tank Assembly)
W-B
W-B
W-B
LH
PB
(BAT)
15A
FUEL OPN
2
LA-V
(*1)
7
5F
FUEL LID
OPN
Relay
4
5H
29
5F
LA-V
27
DA1
LA-V
L
L
B
(*1)
B
(*1)
21
AL1
LA-B
(*1)
B
(*1)
1
B
3
B
E
2
L74
Fuel Lid Lock with Motor Assembly
LA
(*1)
LA
(*1)
LH

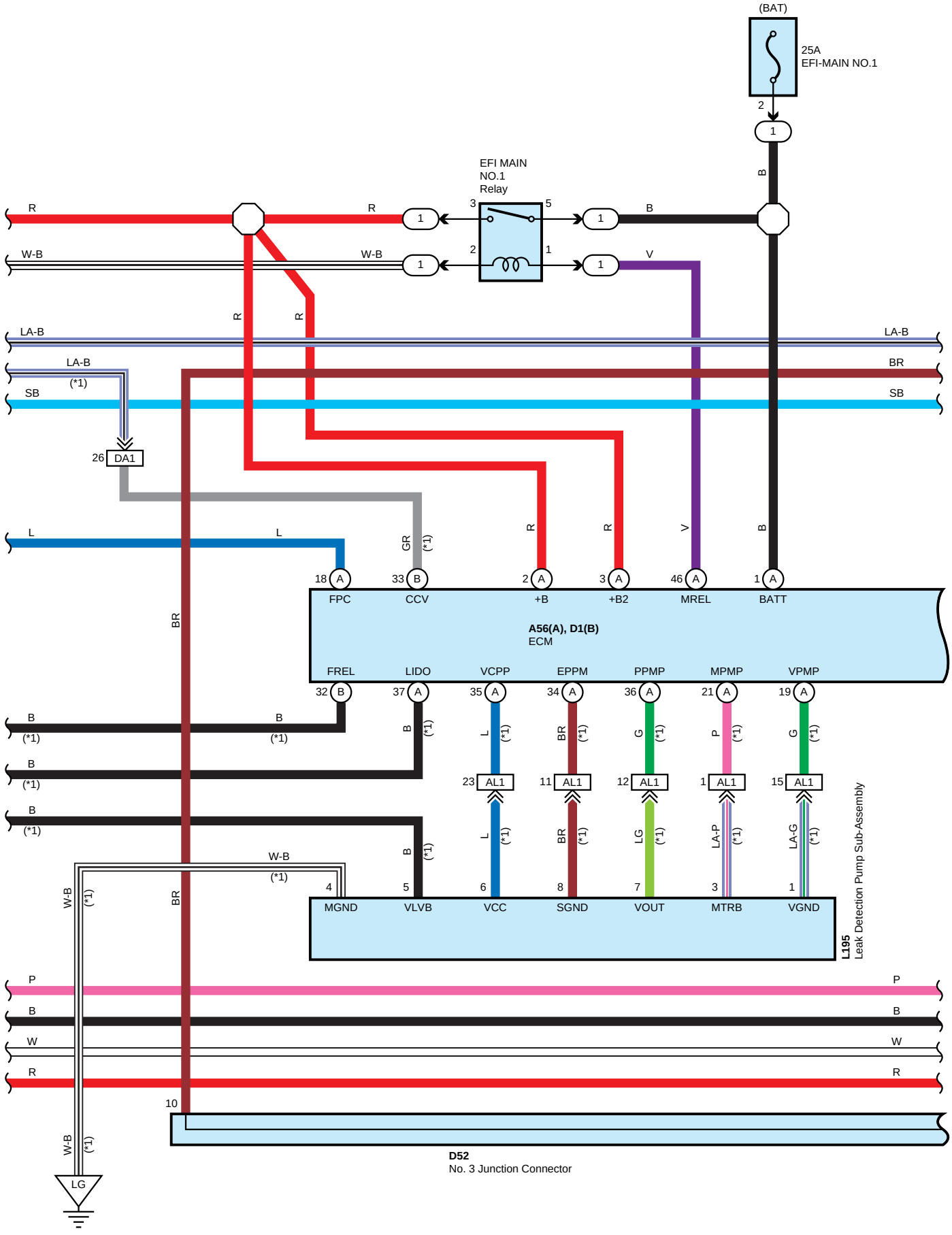
*1 : Korea

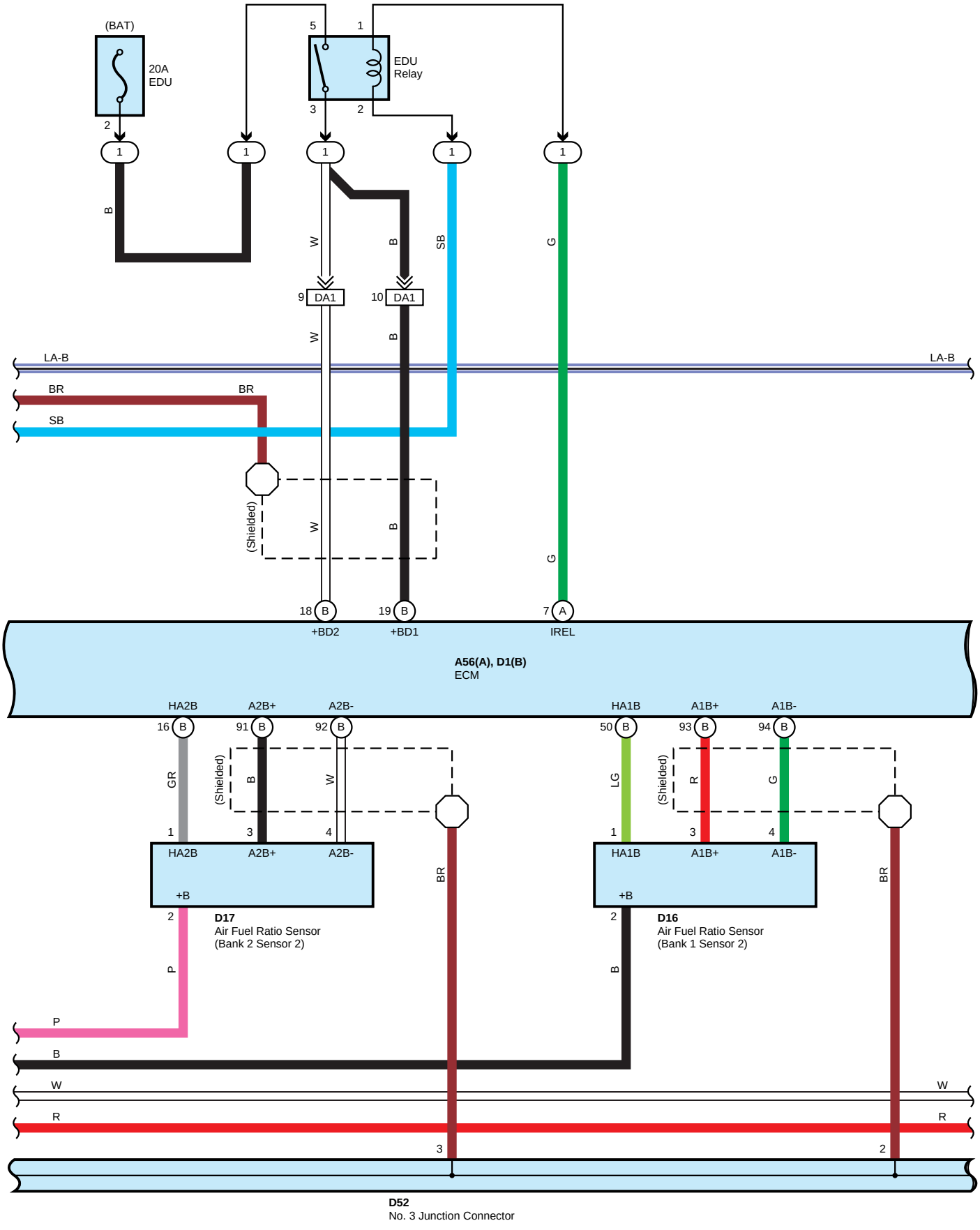

10A
EFI NO.1
10A
EFI NO.2
(BAT)
30A
A/F HTR
LA-V
(*1)
V
B
R
W
A63
No. 2 Junction Connector
W-B
LA-B
SB
L
AL1
LL15
A/F HTR
Relay
+B
CCV
L187
Fuel Tank Solenoid Main Valve Assembly
A62
No. 1 Junction Connector
AE

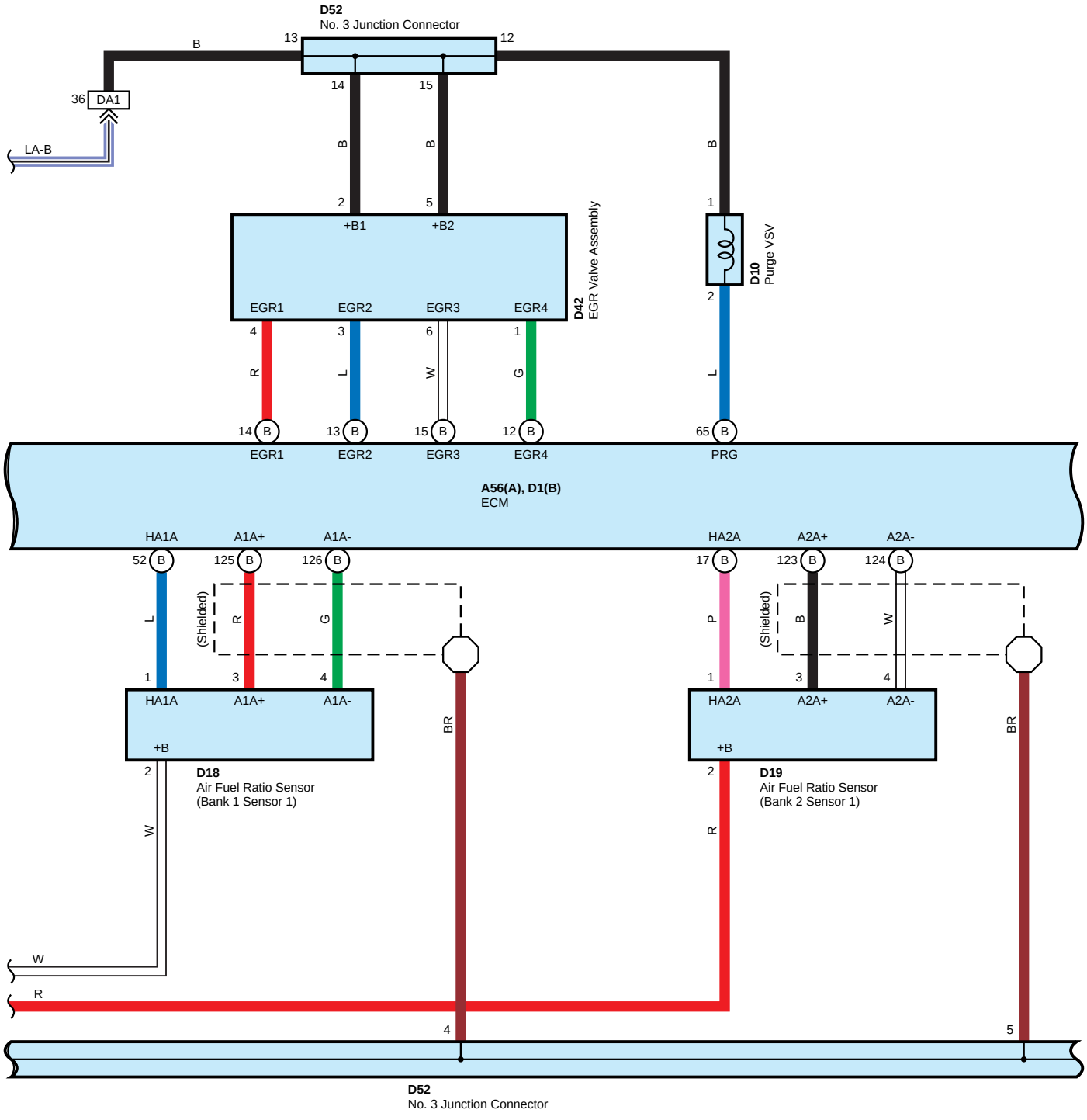
*1 : Korea

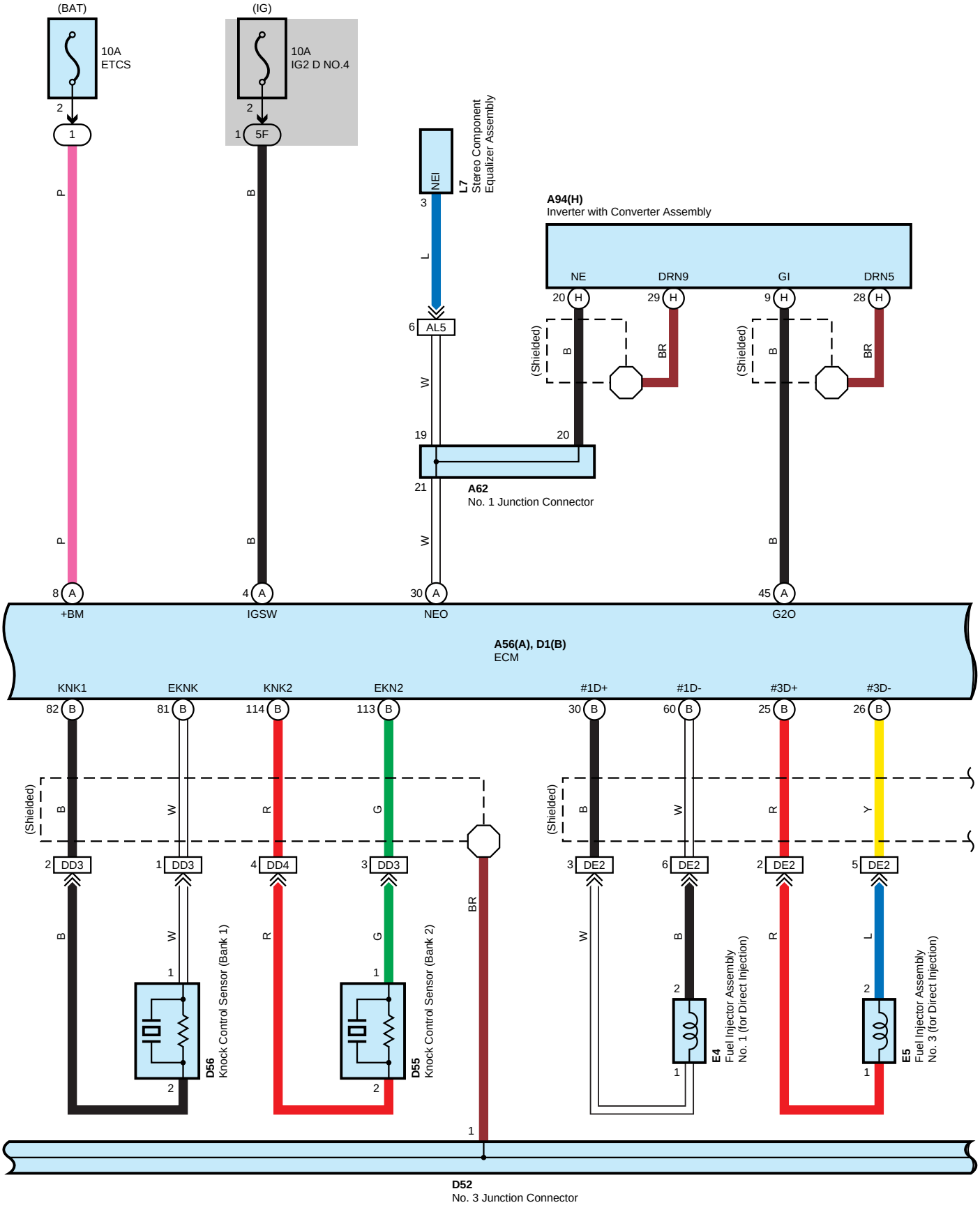

R
R
W-B
W-B
LA-B
LA-B
LA-B
(*1)
LA-B
(*1)
SB
SB
L
B
(*1)
L
B
(*1)
LA-B
(*1)
1
15A
A/F HTR
NO.2
2
1
15A
A/F HTR
NO.1
2
LA-B
(*1)
9
AL1
B
(*1)
B
(*1)
B
(*1)
B
(*1)
1
1
1
W
W
W
B
B
14
DA1
16
DA1
13
DA1
15
DA1
R
W
B
P
W
P
B
W
R

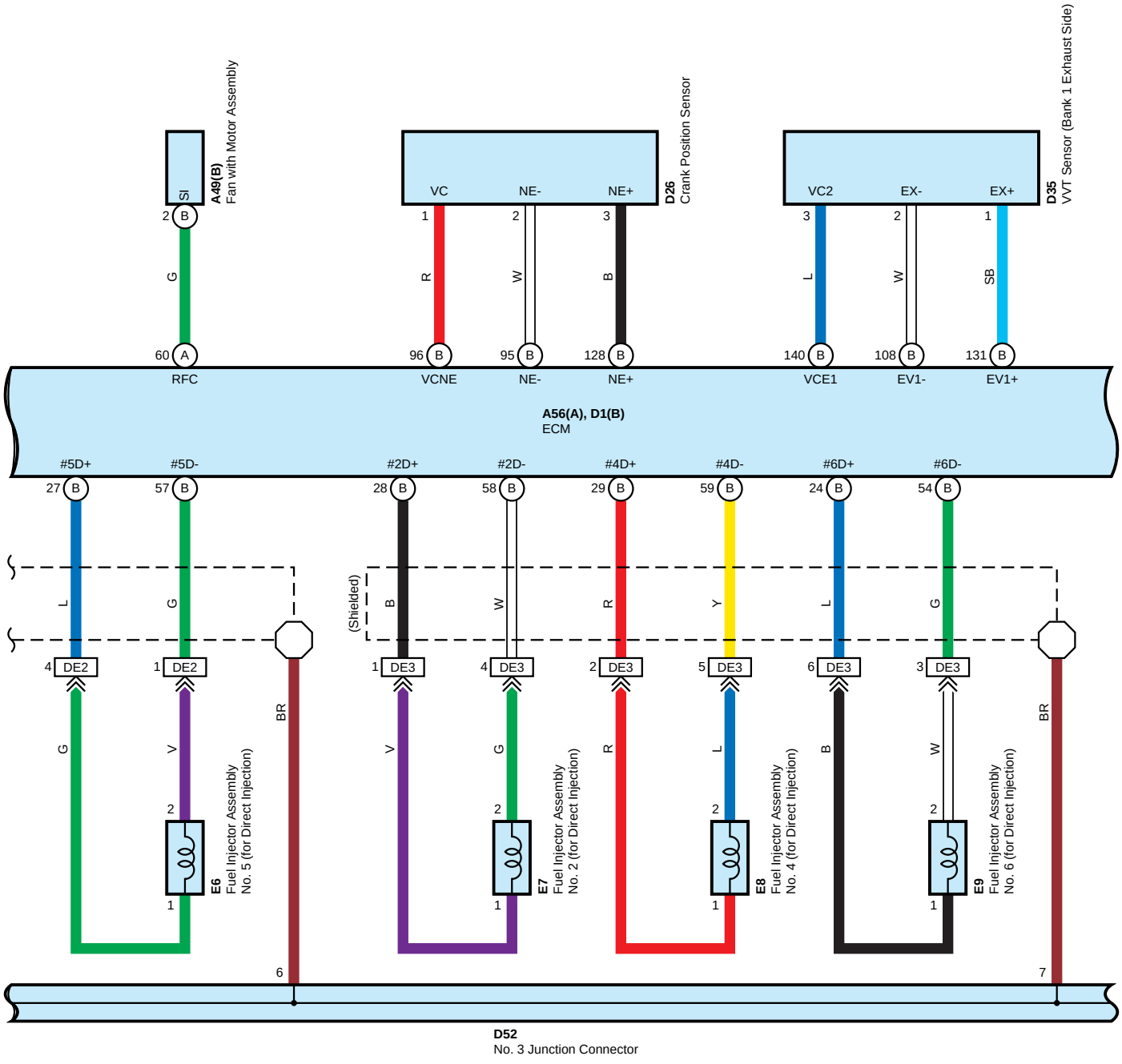
*1 : Korea


(BAT)
25A
EFI-MAIN NO.1
EFI MAIN
NO.1
Relay
DA1
A56(A), D1(B)
ECM
FPC
CCV
+B
+B2
MREL
BATT
FREL
LIDO
VCPP
EPPM
PPMP
MPMP
VPMP
AL1
MGND
VLVB
VCC
SGND
VOUT
MTRB
VGND
L195
Leak Detection Pump Sub-Assembly
D52
No. 3 Junction Connector
LG

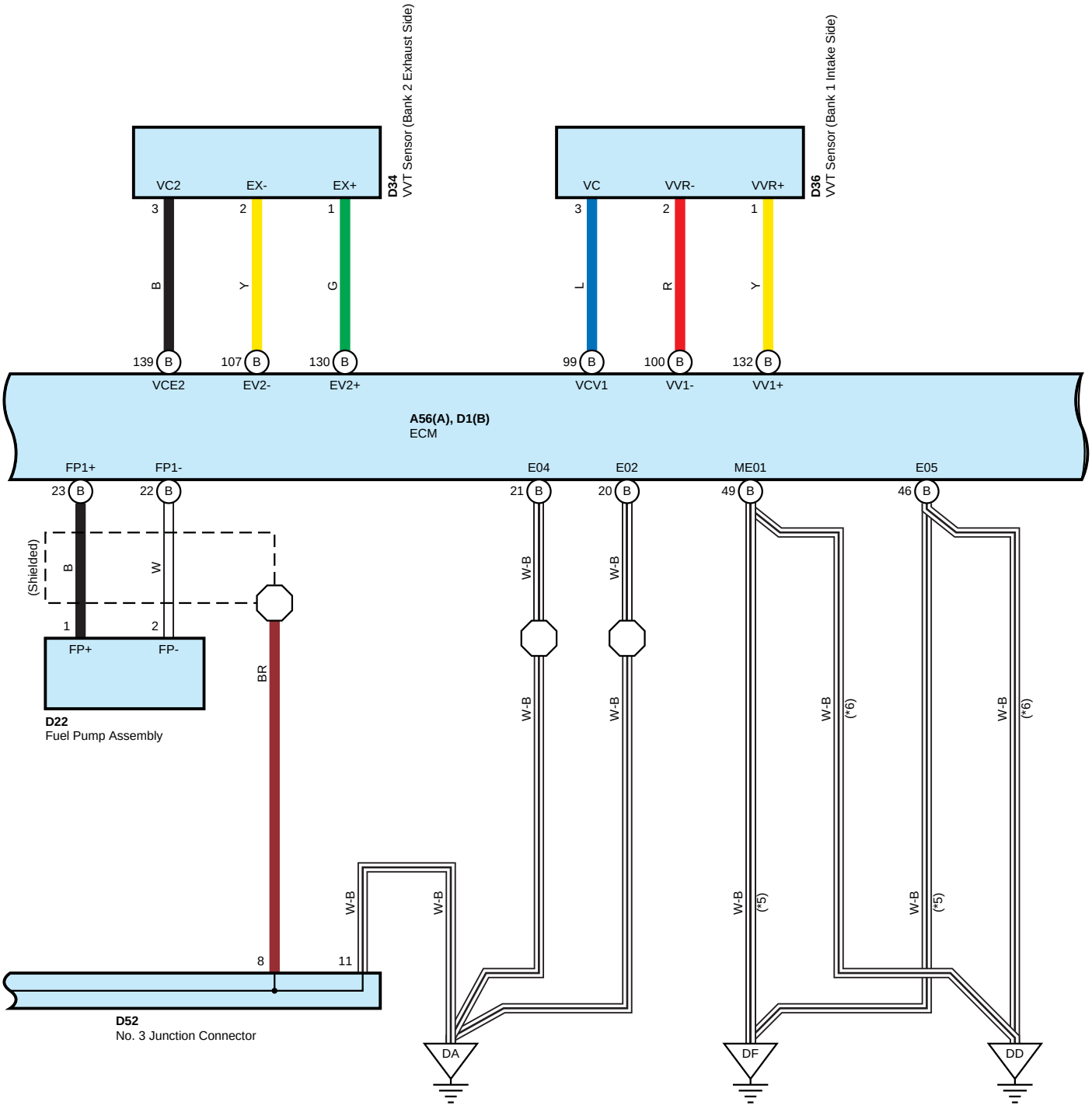

(BAT)
20A
EDU
2
5
1
EDU
Relay
3
2
1
1
1
1
1
B
W
B
SB
G
9 DA1
10 DA1
W
B
LA-B
LA-B
BR
BR
SB
(Shielded)
W
B
G
18 B
19 B
7 A
+BD2
+BD1
IREL
A56(A), D1(B)
ECM
HA2B
A2B+
A2B-
HA1B
A1B+
A1B-
16 B
91 B
92 B
50 B
93 B
94 B
(Shielded)
GR
B
W
LG
(Shielded)
R
G
1
3
4
1
3
4
HA2B
A2B+
A2B-
HA1B
A1B+
A1B-
+B
+B
BR
BR
2
2
D17
Air Fuel Ratio Sensor
(Bank 2 Sensor 2)
D16
Air Fuel Ratio Sensor
(Bank 1 Sensor 2)
P
B
P
B
W
W
R
R
3
2
D52
No. 3 Junction Connector


D52
No. 3 Junction Connector
13
12
B
36
DA1
LA-B
14
15
B
B
B
2
5
1
+B1
+B2
D42
EGR Valve Assembly
D10
Purge VSV
2
EGR1
EGR2
EGR3
EGR4
4
3
6
1
R
L
W
G
L
14
13
15
12
65
EGR1
EGR2
EGR3
EGR4
PRG
A56(A), D1(B)
ECM
HA1A
A1A+
A1A-
HA2A
A2A+
A2A-
52
125
126
17
123
124
(Shielded)
L
R
G
P
B
W
1
3
4
1
3
4
HA1A
A1A+
A1A-
HA2A
A2A+
A2A-
+B
+B
BR
BR
2
2
D18
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
D19
Air Fuel Ratio Sensor
(Bank 2 Sensor 1)
W
R
W
R
4
5
D52
No. 3 Junction Connector

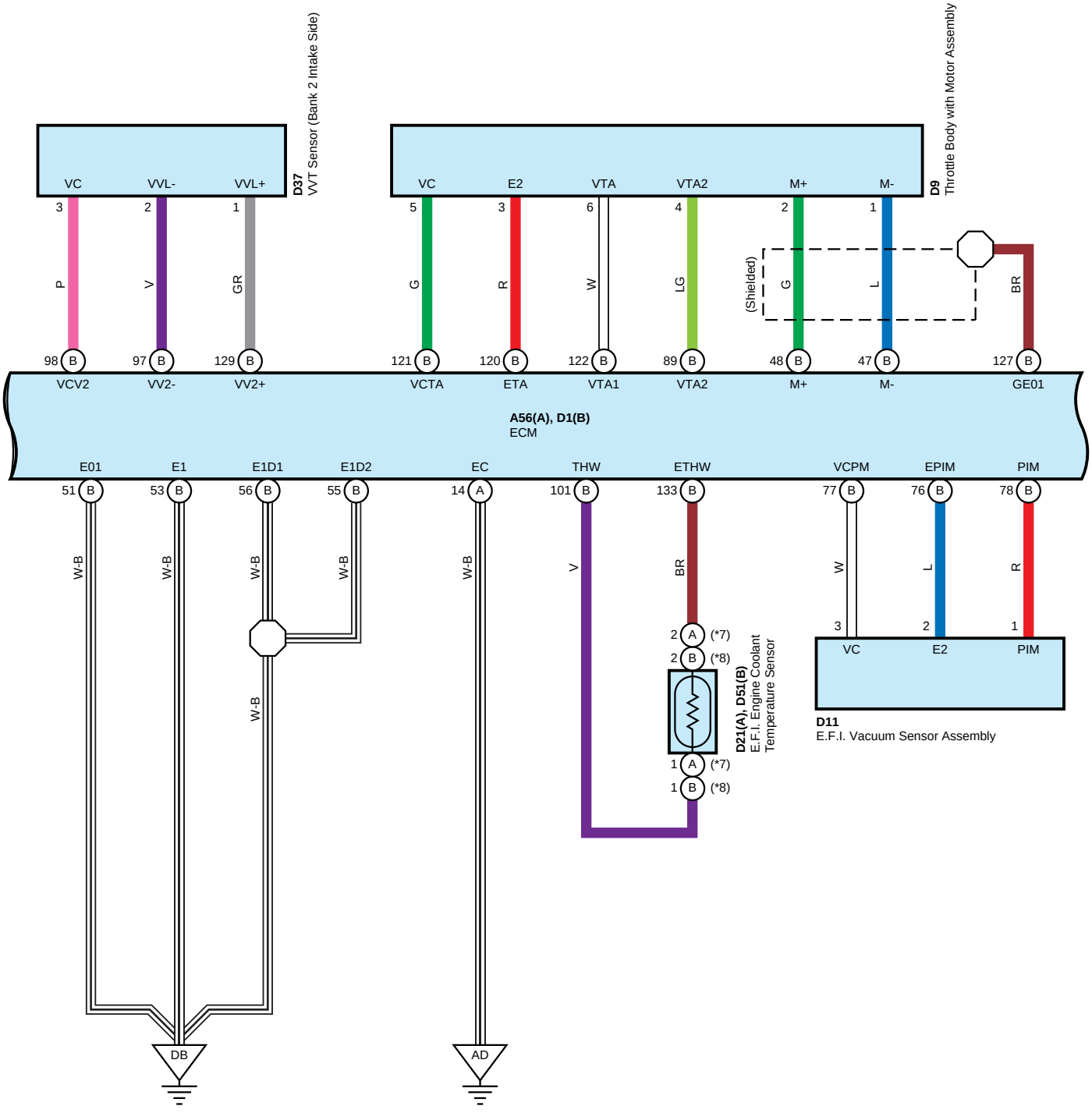

(BAT)
10A
ETCS
(IG)
10A
IG2 D NO.4
5F
NEI
L7
Stereo Component
Equalizer Assembly
A94(H)
Inverter with Converter Assembly
NE
DRN9
GI
DRN5
AL5
(Shielded)
A62
No. 1 Junction Connector
+BM
IGSW
NEO
G2O
A56(A), D1(B)
ECM
KNK1
EKNK
KNK2
EKN2
#1D+
#1D-
#3D+
#3D-
DD3
DD4
DE2
D56
Knock Control Sensor (Bank 1)
D55
Knock Control Sensor (Bank 2)
E4
Fuel Injector Assembly
No. 1 (for Direct Injection)
E5
Fuel Injector Assembly
No. 3 (for Direct Injection)
D52
No. 3 Junction Connector

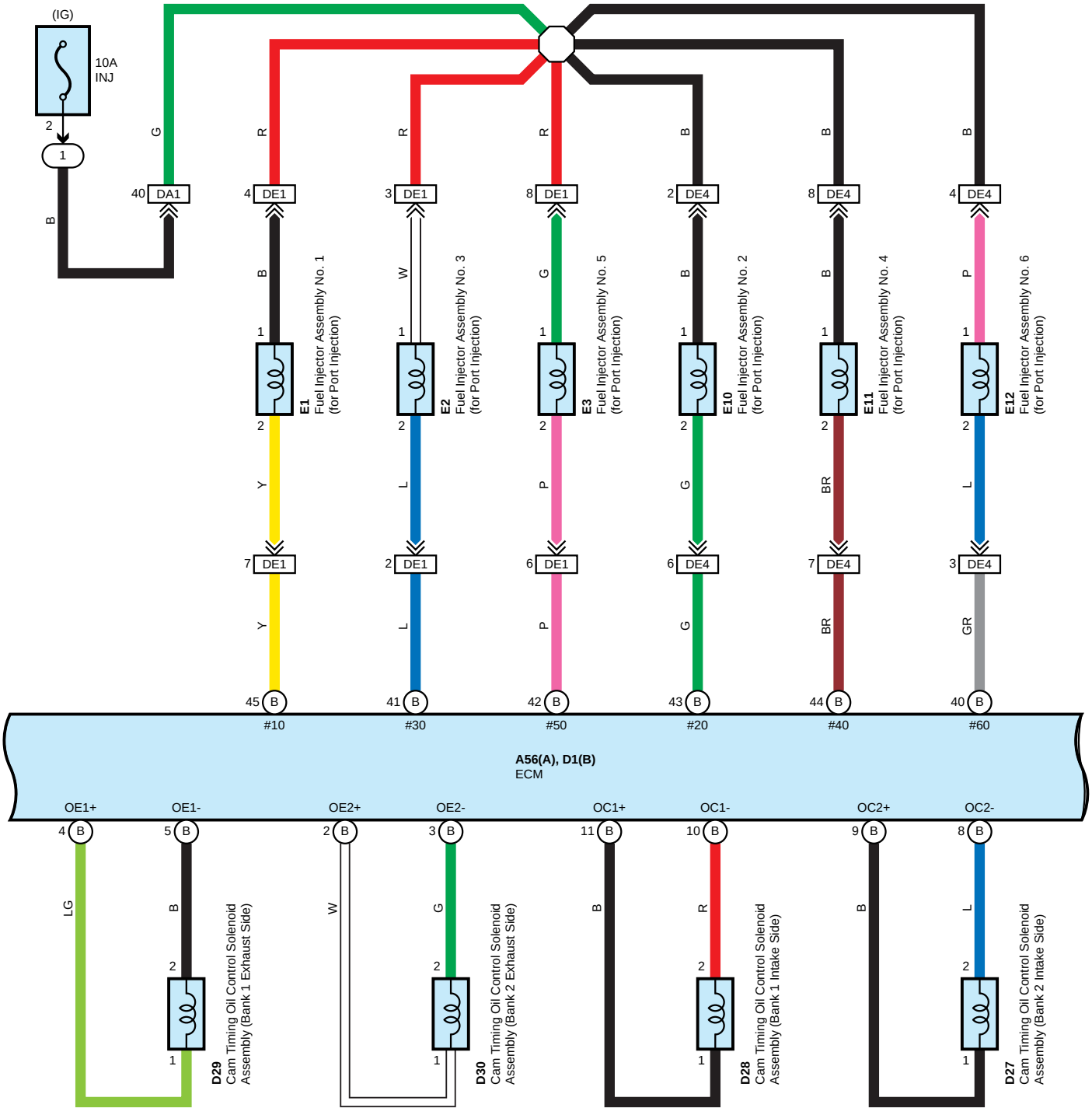

A49(B)
Fan with Motor Assembly
SI
2 B
G
60 A
RFC
D26
Crank Position Sensor
VC
NE-
NE+
1
2
3
R
W
B
96 B
95 B
128 B
VCNE
NE-
NE+
D35
VVT Sensor (Bank 1 Exhaust Side)
VC2
EX-
EX+
3
2
1
L
W
SB
140 B
108 B
131 B
VCE1
EV1-
EV1+
A56(A), D1(B)
ECM
#5D+
#5D-
#2D+
#2D-
#4D+
#4D-
#6D+
#6D-
27 B
57 B
28 B
58 B
29 B
59 B
24 B
54 B
(Shielded)
4 DE2
1 DE2
1 DE3
4 DE3
2 DE3
5 DE3
6 DE3
3 DE3
E6
Fuel Injector Assembly
No. 5 (for Direct Injection)
E7
Fuel Injector Assembly
No. 2 (for Direct Injection)
E8
Fuel Injector Assembly
No. 4 (for Direct Injection)
E9
Fuel Injector Assembly
No. 6 (for Direct Injection)
BR
6
7
D52
No. 3 Junction Connector

*5 : 2WD
*6 : AWD

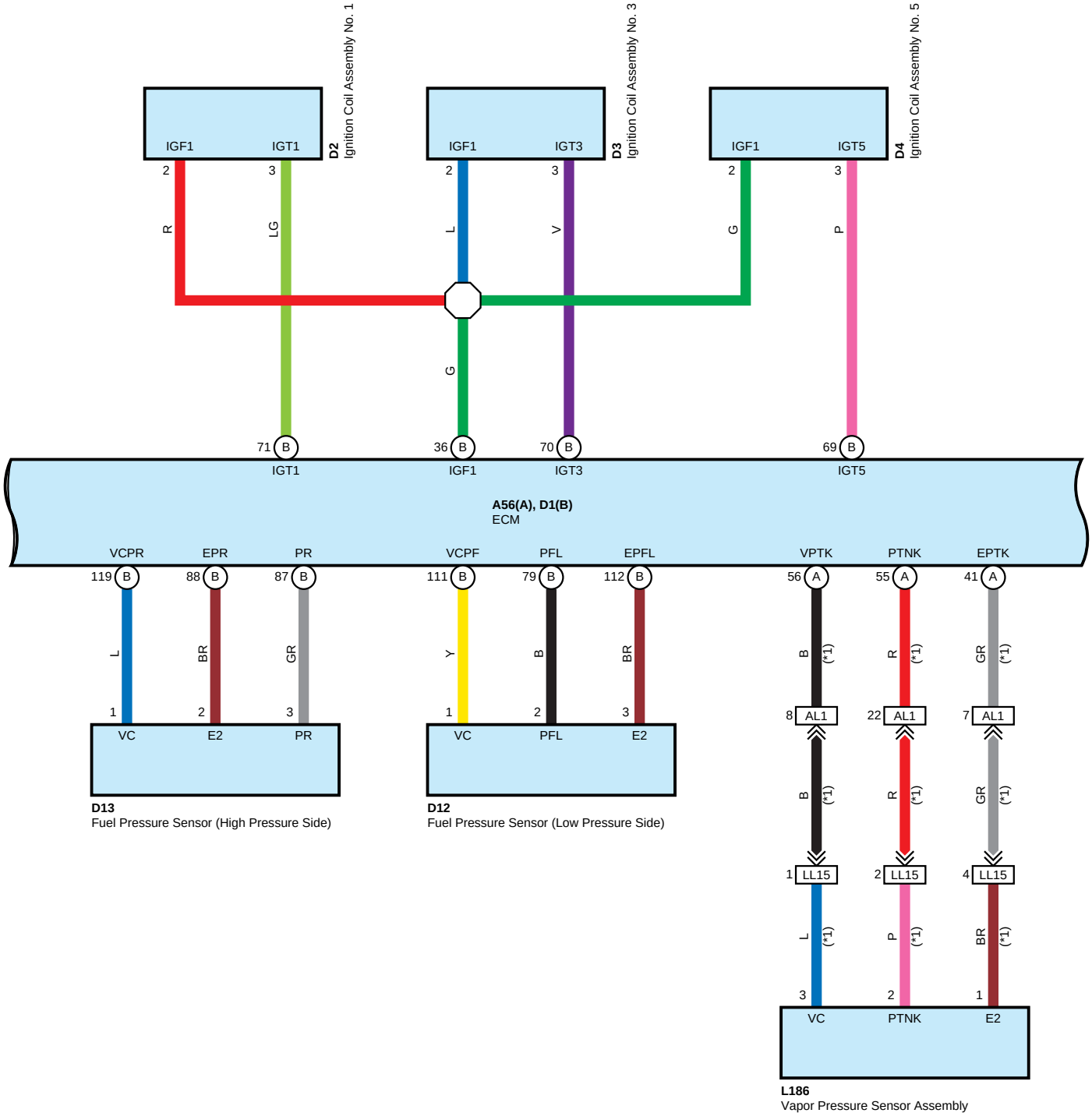

D34
VVT Sensor (Bank 2 Exhaust Side)
VC2
EX-
EX+
3
2
1
B
Y
G
139 B
107 B
130 B
VCE2
EV2-
EV2+
D36
VVT Sensor (Bank 1 Intake Side)
VC
VVR-
VVR+
3
2
1
L
R
Y
99 B
100 B
132 B
VCV1
VV1-
VV1+
A56(A), D1(B)
ECM
FP1+
FP1-
E04
E02
ME01
E05
23 B
22 B
21 B
20 B
49 B
46 B
(Shielded)
B
W
1
2
FP+
FP-
D22
Fuel Pump Assembly
BR
W-B
(*5)
(*6)
8
11
D52
No. 3 Junction Connector
DA
DF
DD

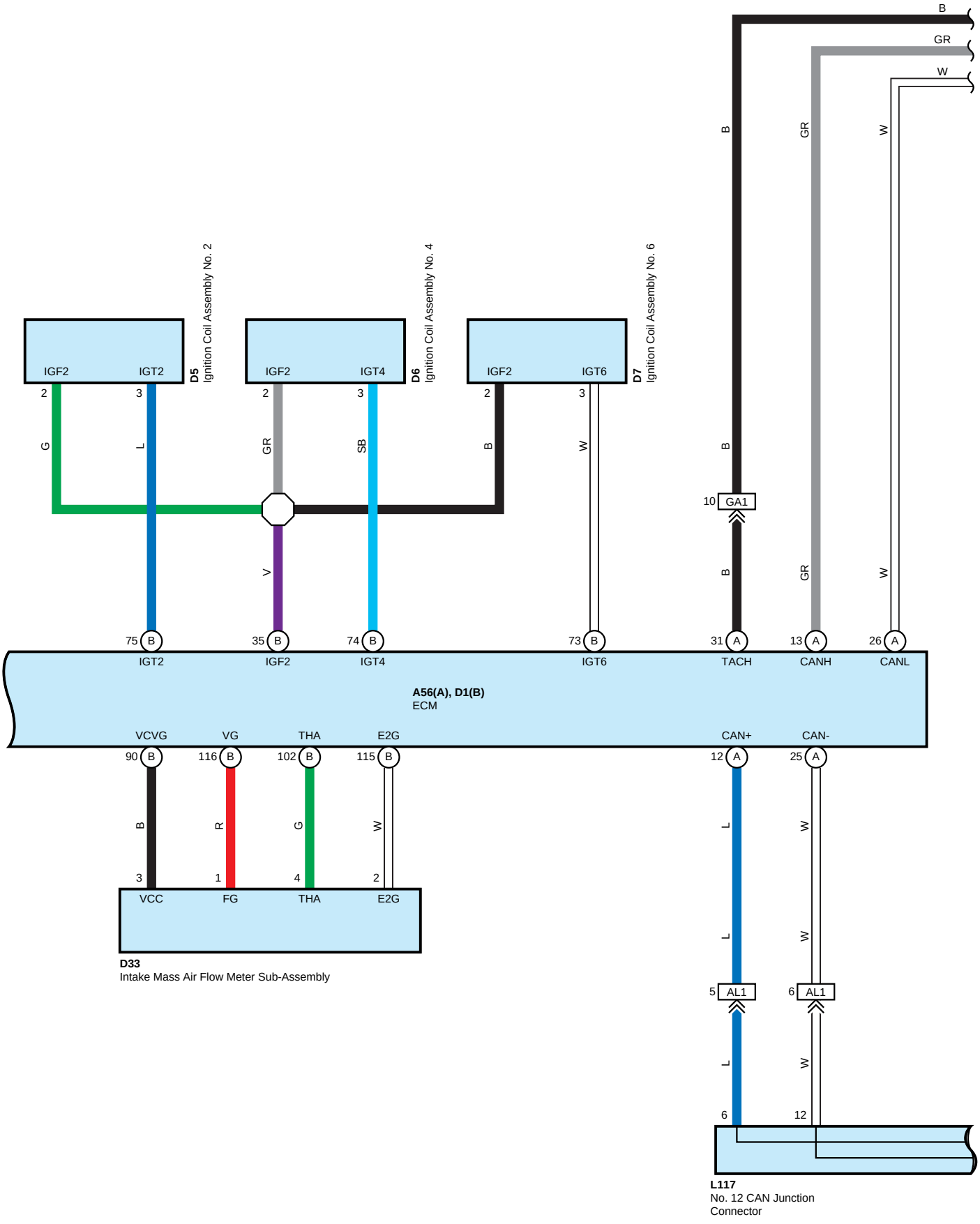
*7 : Prior Sep. 2018
*8 : Sep. 2018 or later

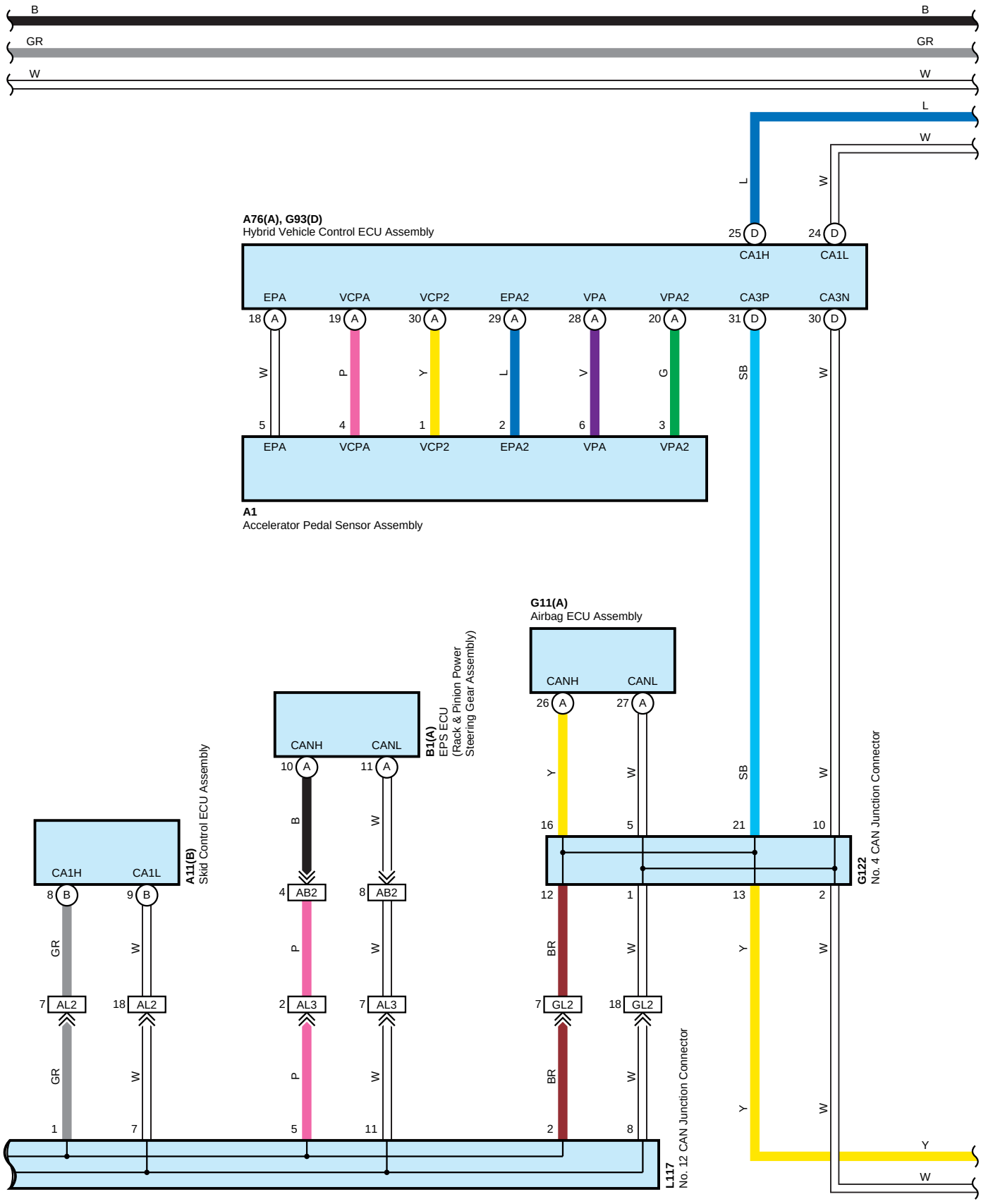


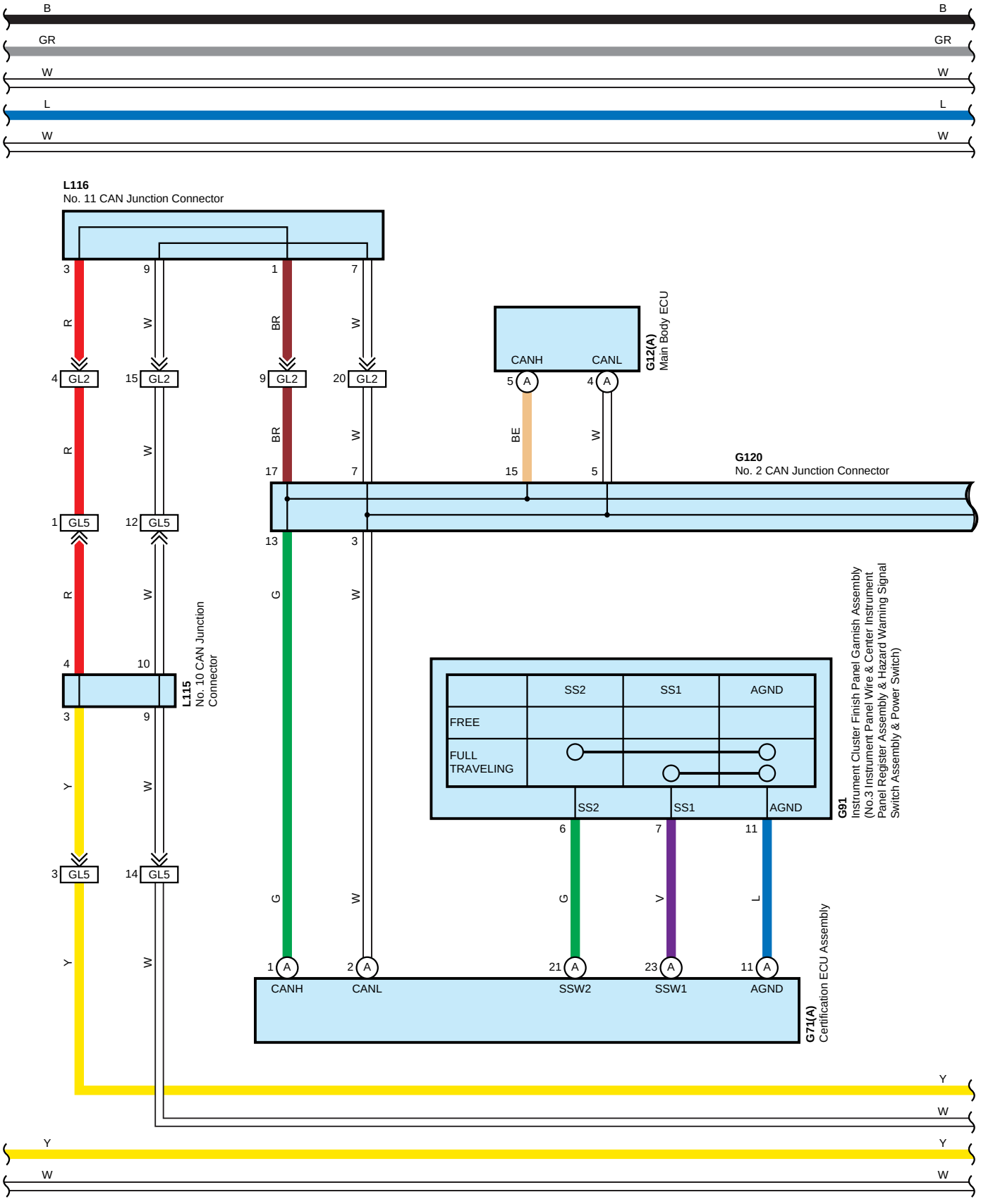

(IG)
10A
INJ
2
1
B
G
40 DA1
R
4 DE1
R
3 DE1
R
8 DE1
B
2 DE4
B
8 DE4
B
4 DE4
B
1
E1
Fuel Injector Assembly No. 1
(for Port Injection)
2
Y
7 DE1
Y
45 B
#10
W
1
E2
Fuel Injector Assembly No. 3
(for Port Injection)
2
L
2 DE1
L
41 B
#30
G
1
E3
Fuel Injector Assembly No. 5
(for Port Injection)
2
P
6 DE1
P
42 B
#50
B
1
E10
Fuel Injector Assembly No. 2
(for Port Injection)
2
G
6 DE4
G
43 B
#20
B
1
E11
Fuel Injector Assembly No. 4
(for Port Injection)
2
BR
7 DE4
BR
44 B
#40
P
1
E12
Fuel Injector Assembly No. 6
(for Port Injection)
2
L
3 DE4
GR
40 B
#60
A56(A), D1(B)
ECM
OE1+
4 B
LG
OE1-
5 B
B
2
1
D29
Cam Timing Oil Control Solenoid
Assembly (Bank 1 Exhaust Side)
OE2+
2 B
W
OE2-
3 B
G
2
1
D30
Cam Timing Oil Control Solenoid
Assembly (Bank 2 Exhaust Side)
OC1+
11 B
B
OC1-
10 B
R
2
1
D28
Cam Timing Oil Control Solenoid
Assembly (Bank 1 Intake Side)
OC2+
9 B
B
OC2-
8 B
L
2
1
D27
Cam Timing Oil Control Solenoid
Assembly (Bank 2 Intake Side)

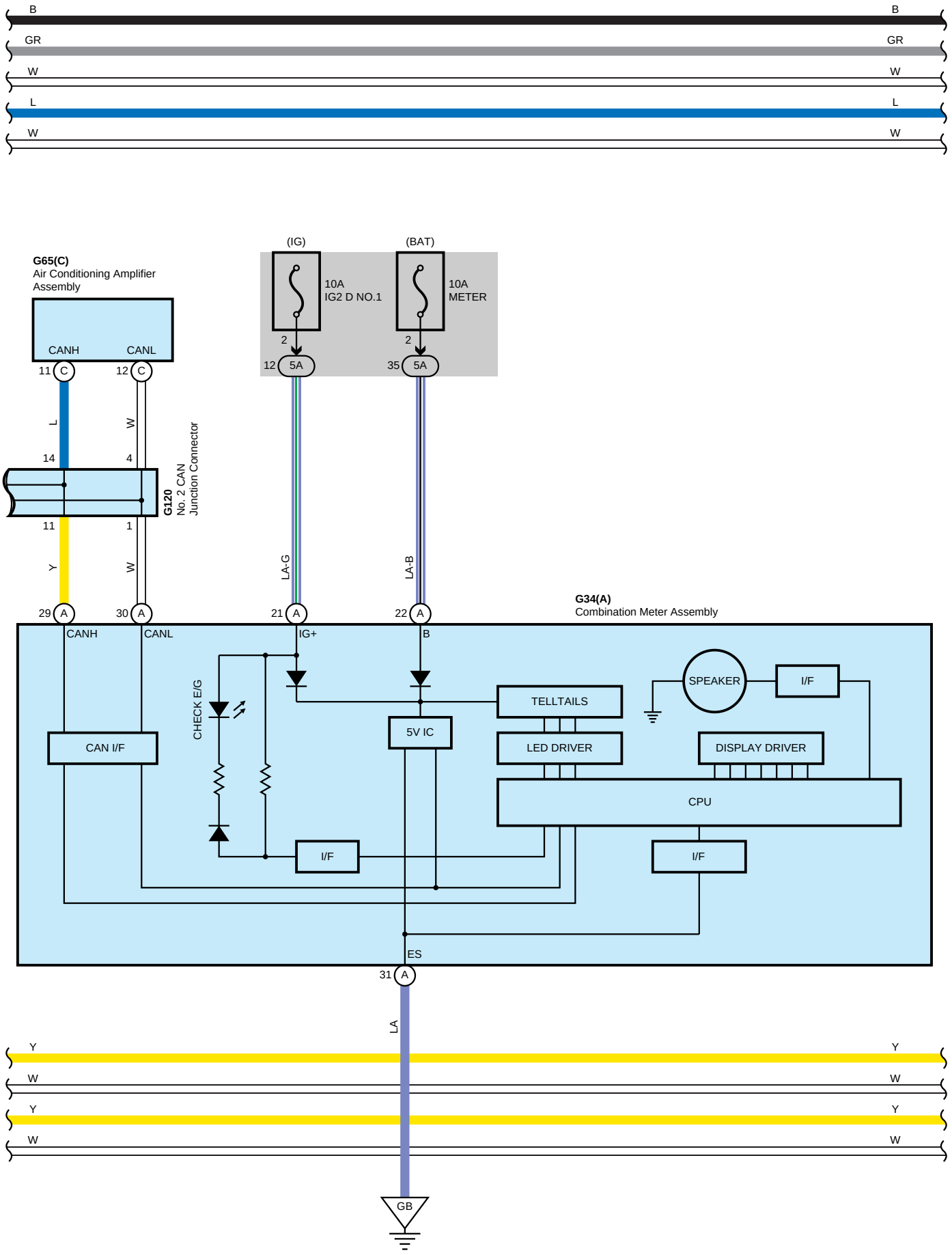
*1 : Korea

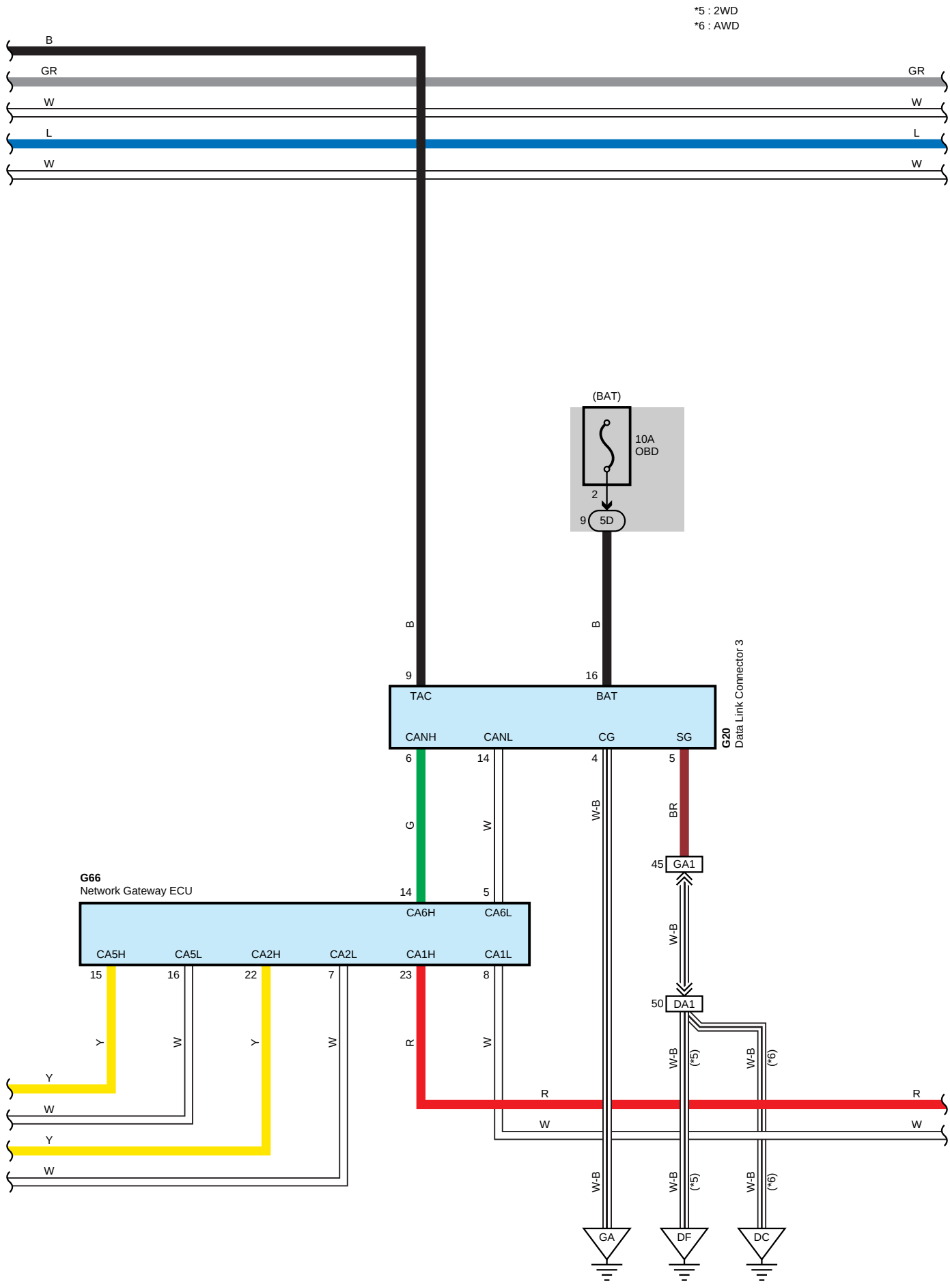

D2
Ignition Coil Assembly No. 1
IGF1
IGT1
2
3
R
LG
D3
Ignition Coil Assembly No. 3
IGF1
IGT3
2
3
L
V
G
D4
Ignition Coil Assembly No. 5
IGF1
IGT5
2
3
G
P
71 B
IGT1
36 B
IGF1
70 B
IGT3
69 B
IGT5
A56(A), D1(B)
ECM
VCPR
EPR
PR
VCPF
PFL
EPFL
VPTK
PTNK
EPTK
119 B
88 B
87 B
111 B
79 B
112 B
56 A
55 A
41 A
L
BR
GR
Y
B
BR
B (*1)
R (*1)
GR (*1)
1
2
3
VC
E2
PR
D13
Fuel Pressure Sensor (High Pressure Side)
VC
PFL
E2
D12
Fuel Pressure Sensor (Low Pressure Side)
8 AL1
22 AL1
7 AL1
B (*1)
R (*1)
GR (*1)
1 LL15
2 LL15
4 LL15
L (*1)
P (*1)
BR (*1)
3
2
1
VC
PTNK
E2
L186
Vapor Pressure Sensor Assembly

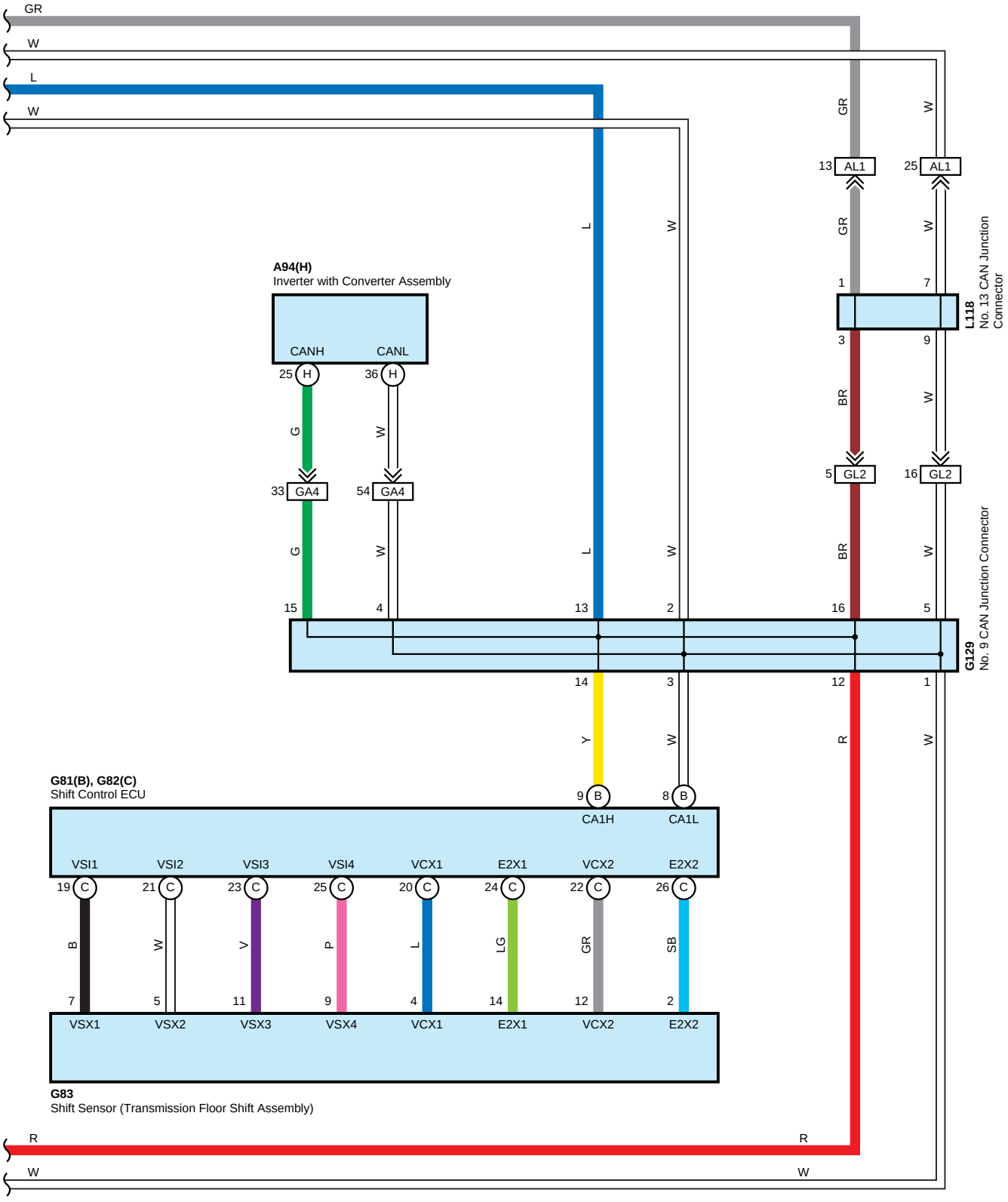

B
GR
W
D5
Ignition Coil Assembly No. 2
IGF2
IGT2
D6
Ignition Coil Assembly No. 4
IGF2
IGT4
D7
Ignition Coil Assembly No. 6
IGF2
IGT6
G
L
GR
SB
B
W
V
10 GA1
75 B IGT2
35 B IGF2
74 B IGT4
73 B IGT6
31 A TACH
13 A CANH
26 A CANL
A56(A), D1(B)
ECM
VCVG
VG
THA
E2G
CAN+
CAN-
90 B
116 B
102 B
115 B
12 A
25 A
R
3 VCC
1 FG
4 THA
2 E2G
D33
Intake Mass Air Flow Meter Sub-Assembly
5 AL1
6 AL1
6
12
L117
No. 12 CAN Junction
Connector


A76(A), G93(D)
Hybrid Vehicle Control ECU Assembly
CA1H
CA1L
EPA
VCPA
VCP2
EPA2
VPA
VPA2
CA3P
CA3N
A1
Accelerator Pedal Sensor Assembly
G11(A)
Airbag ECU Assembly
CANH
CANL
B1(A)
EPS ECU
(Rack & Pinion Power Steering Gear Assembly)
A11(B)
Skid Control ECU Assembly
AL2
AB2
AL3
GL2
G122
No. 4 CAN Junction Connector
L117
No. 12 CAN Junction Connector

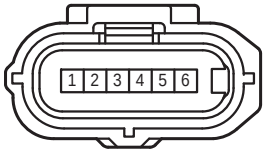

B
GR
W
L
W
L116
No. 11 CAN Junction Connector
3
9
1
7
R
W
BR
W
4 GL2
15 GL2
9 GL2
20 GL2
CANH
CANL
5 A
4 A
G12(A)
Main Body ECU
BR
W
BE
W
17
7
15
5
G120
No. 2 CAN Junction Connector
1 GL5
12 GL5
13
3
R
W
G
W
4
10
L115
No. 10 CAN Junction Connector
3
9
SS2
SS1
AGND
FREE
FULL TRAVELING
SS2
SS1
AGND
G91
Instrument Cluster Finish Panel Garnish Assembly
(No.3 Instrument Panel Wire & Center Instrument
Panel Register Assembly & Hazard Warning Signal
Switch Assembly & Power Switch)
Y
W
6
7
11
3 GL5
14 GL5
G
W
G
V
L
Y
W
1 A
2 A
21 A
23 A
11 A
CANH
CANL
SSW2
SSW1
AGND
G71(A)
Certification ECU Assembly
Y
W
Y
W


B
B
GR
GR
W
W
L
L
W
W
G65(C)
Air Conditioning Amplifier Assembly
CANH
CANL
11 C
12 C
(IG)
(BAT)
10A
IG2 D NO.1
10A
METER
2
2
12 5A
35 5A
L
W
14
4
G120
No. 2 CAN Junction Connector
11
1
Y
W
LA-G
LA-B
29 A
30 A
21 A
22 A
G34(A)
Combination Meter Assembly
CANH
CANL
IG+
B
CHECK E/G
TELLTAILS
SPEAKER
I/F
CAN I/F
5V IC
LED DRIVER
DISPLAY DRIVER
CPU
I/F
I/F
ES
31 A
LA
Y
Y
W
W
Y
Y
W
W
GB


*5 : 2WD
*6 : AWD
B
GR
W
L
W
(BAT)
10A
OBD
2
9
5D
B
B
9
16
TAC
BAT
CANH
CANL
CG
SG
G20
Data Link Connector 3
6
14
4
5
G
W
W-B
BR
45
GA1
G66
Network Gateway ECU
14
5
CA6H
CA6L
CA5H
CA5L
CA2H
CA2L
CA1H
CA1L
15
16
22
7
23
8
W-B
50
DA1
Y
W
Y
W
R
W
W-B
(*5)
W-B
(*6)
Y
W
Y
W
R
W
R
W
W-B
W-B
(*5)
W-B
(*6)
GA
DF
DC

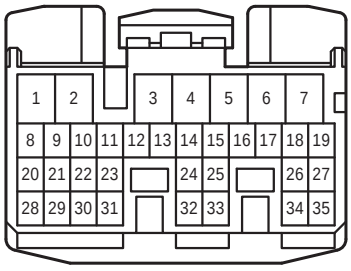

GR
W
L
W
A94(H)
Inverter with Converter Assembly
CANH
CANL
25 H
36 H
G
W
33 GA4
54 GA4
G
W
15
4
L
W
13
2
GR
W
13 AL1
25 AL1
GR
W
1
7
L118
No. 13 CAN Junction Connector
3
9
BR
W
5 GL2
16 GL2
BR
W
16
5
G129
No. 9 CAN Junction Connector
14
3
12
1
Y
W
R
W
G81(B), G82(C)
Shift Control ECU
9 B
8 B
CA1H
CA1L
VSI1
VSI2
VSI3
VSI4
VCX1
E2X1
VCX2
E2X2
19 C
21 C
23 C
25 C
20 C
24 C
22 C
26 C
B
W
V
P
L
LG
GR
SB
7
5
11
9
4
14
12
2
VSX1
VSX2
VSX3
VSX4
VCX1
E2X1
VCX2
E2X2
G83
Shift Sensor (Transmission Floor Shift Assembly)
R
R
W
W

A1
Black



90980-12831

A11
Black

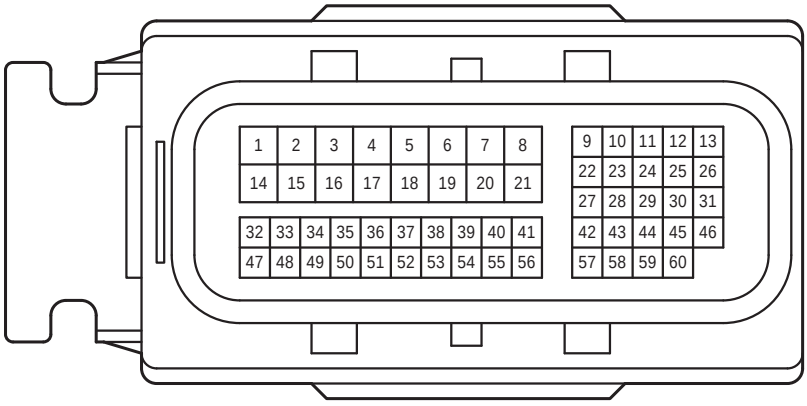


90980-12528

A49
Black

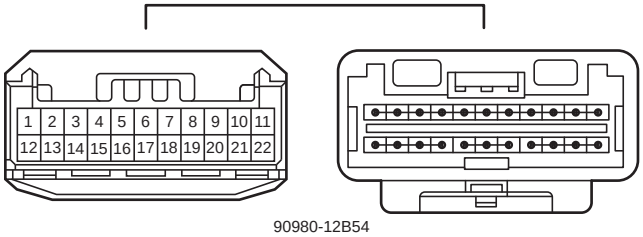
90980-11156

A56
Black



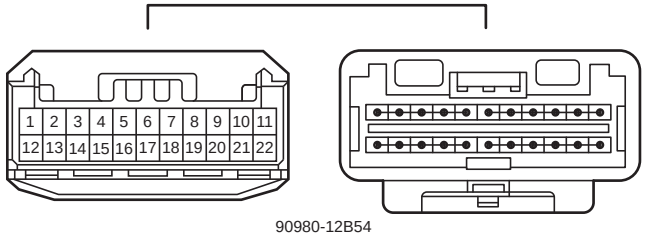
90980-12931

A62
Black



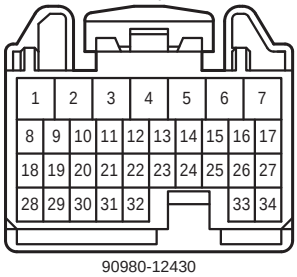
90980-12B54

A63
Black



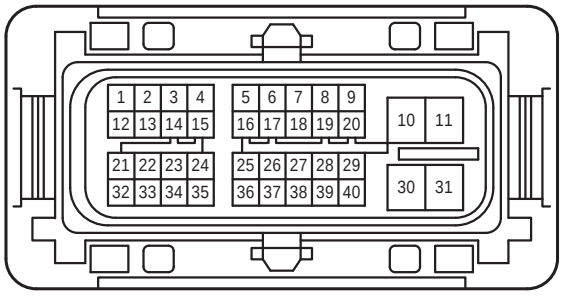
90980-12B54

A76
Gray



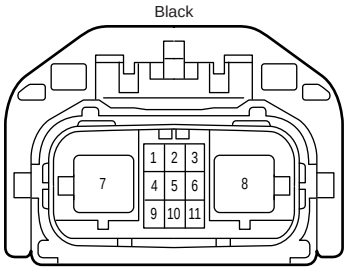
90980-12430

A94
Black



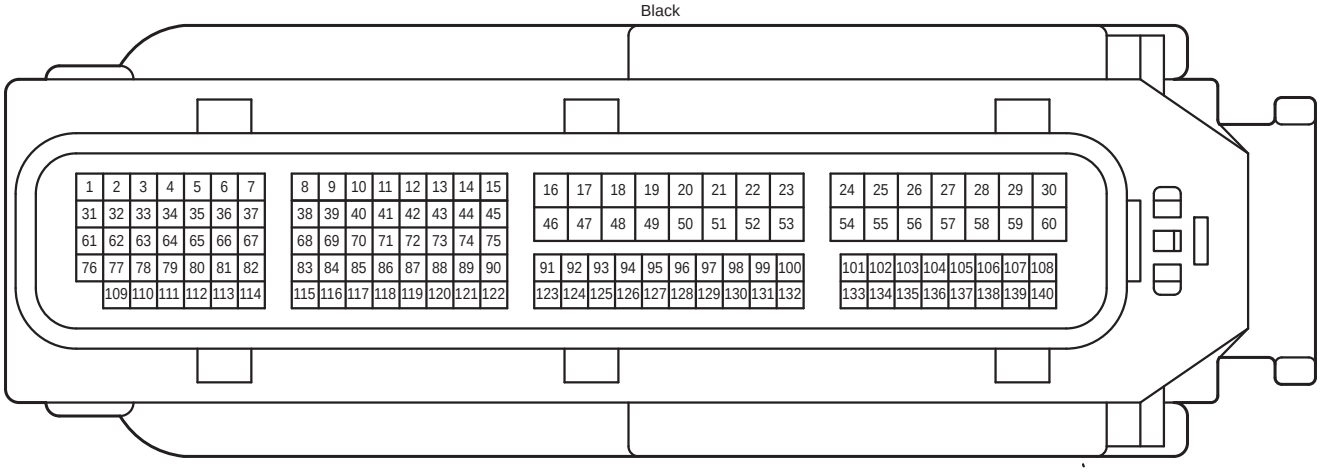
90980-12995

B1
Black



90980-12C57

D1
Black



90980-12966

D2
Gray

90980-12A29

D3
Black

90980-12A29

D4
Gray

90980-12A29

D5
Black

90980-12A29

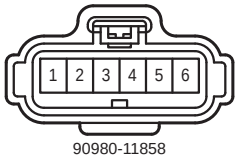
D6
Gray

90980-12A29

D7
Black

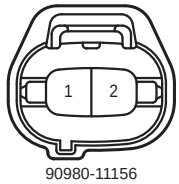
90980-12A29

D9
Black



90980-11858

D10
Black

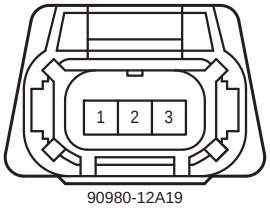


90980-11156

D11
Black

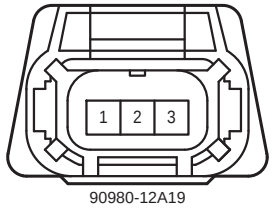
90980-12A29

D12
Black



90980-12A19

D13
Black



90980-12A19

D16
Black

90980-10869

D17
Black

90980-10869

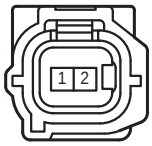
D18
Black

90980-10869

D19
Black

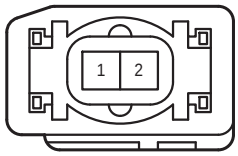
90980-10869

D21
Black



90980-12416

D22
Black

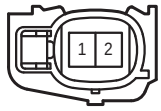


90980-12747

D26
Black

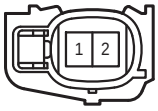
90980-12353

D27
Black



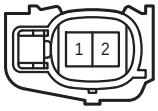
90980-11875

D28
Black



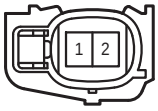
90980-11875

D29
Black



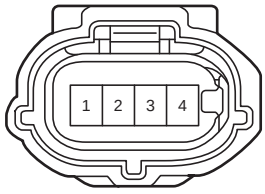
90980-11875

D30
Black



90980-11875

D33
Black



90980-12A85

D34
Black

90980-12353

D35
Black

90980-12353

D36
Black

90980-12353

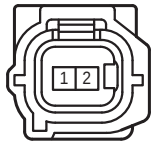
D37
Black

90980-12353

D42
Black

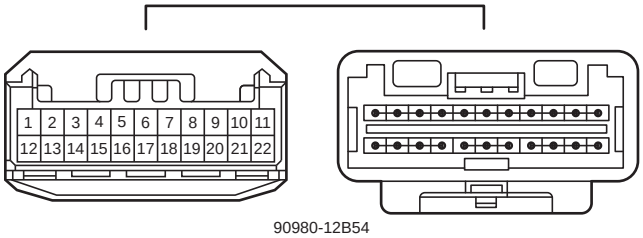
90980-11144

D51
Black



90980-12728

D52
Black



90980-12B54

D55
Black

90980-11875

D56
Black

90980-11875

E1
Black

90980-12416

E2
Black

90980-12416

E3
Black

90980-12416

E4
Black

90980-12940

E5
Black

90980-12940

E6
Black

90980-12940

E7
Black

90980-12940

E8
Gray

90980-12940

E9
Black

90980-12940

E10
Black

90980-12416

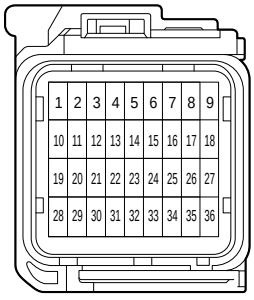
E11
Black

90980-12416

E12
Black

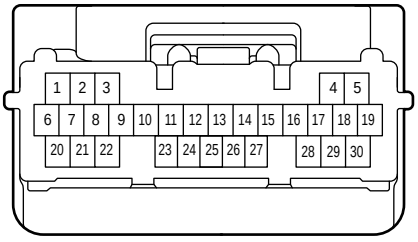
90980-12416

G11
Yellow



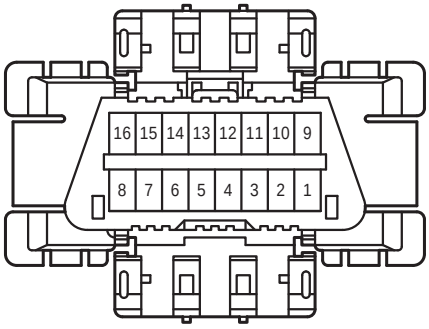
90980-12C56

G12
Black



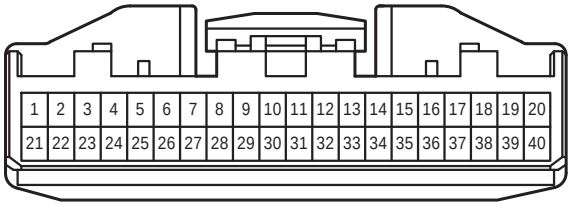
90980-12C62

G20
White



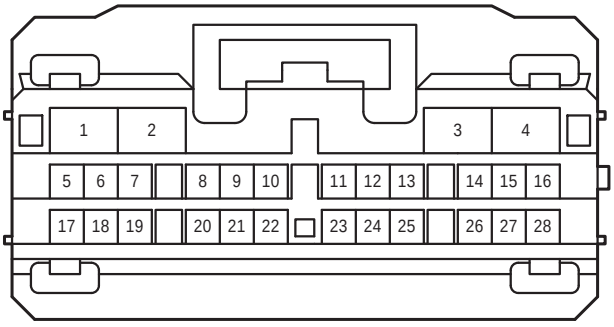
90980-11665

G34
Black



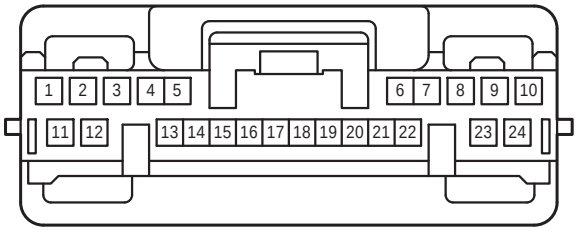
90980-12557

G65
White



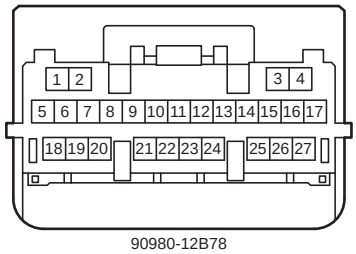
90980-12760

G66
Black



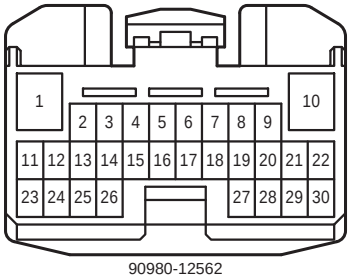
90980-12912

G71
White



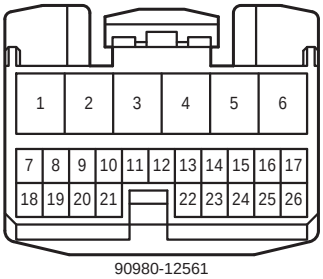
90980-12B78

G81
White



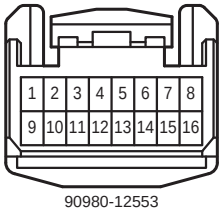
90980-12562

G82
White



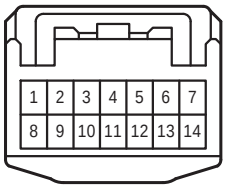
90980-12561

G83
White



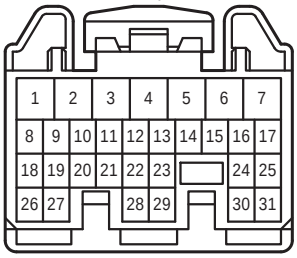
90980-12553

G91
White



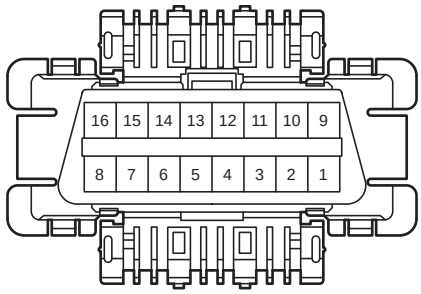
90980-12370

G93
Gray



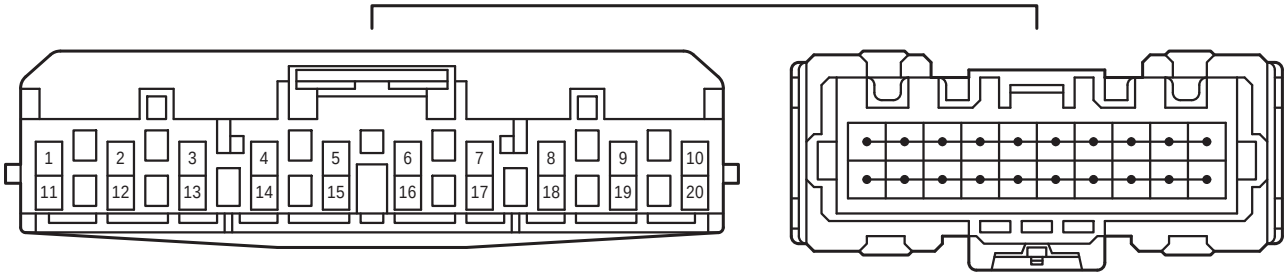
90980-12431

G112
White



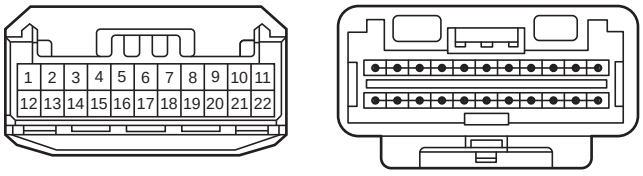
90980-12D97

G120
White



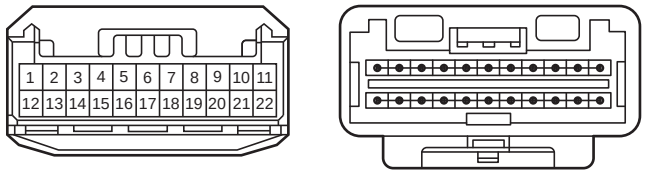
90980-12A58

G122
White



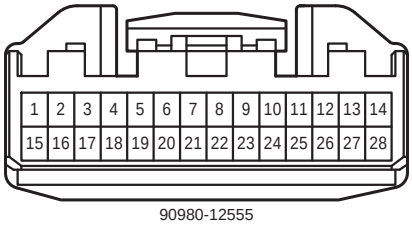
90980-12B54

G129
White



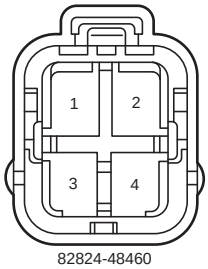
90980-12B54

L7
White



90980-12555

L22
Black



82824-48460

L74
Black

90980-10908

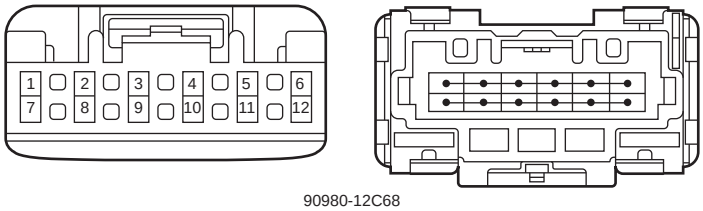
L83
Black

90980-11145

L84
Black

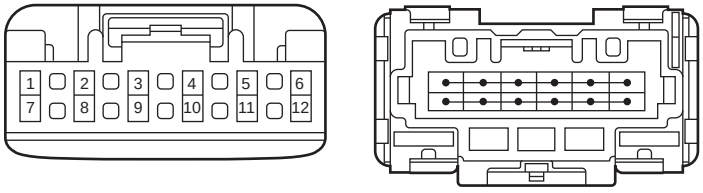
90980-11150

L115
White



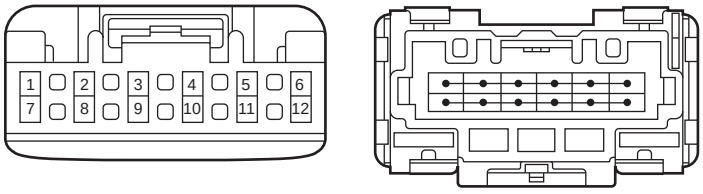
90980-12C68

L116
White



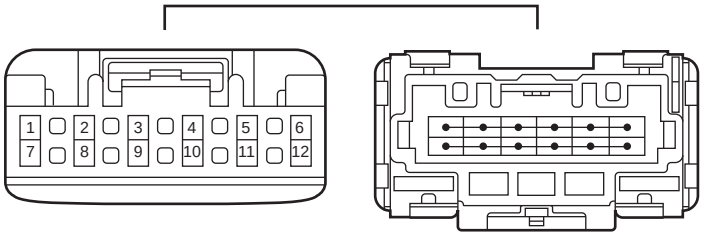
90980-12C68

L117
White



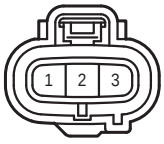
90980-12C68

L118
White



90980-12C68

L186
Black

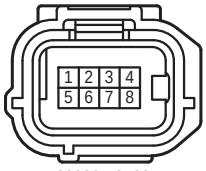


90980-11860

L187
Black

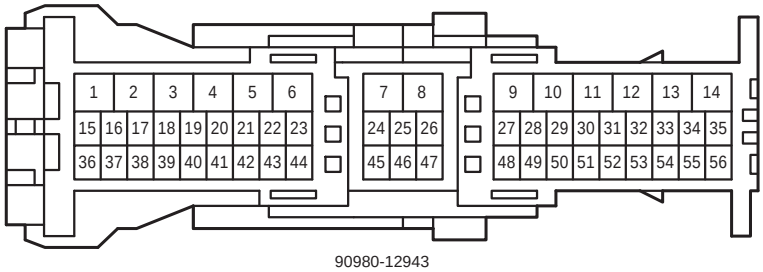
90980-11859

L195
Black



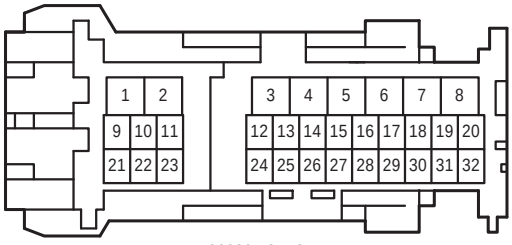
90980-12520

5A
White



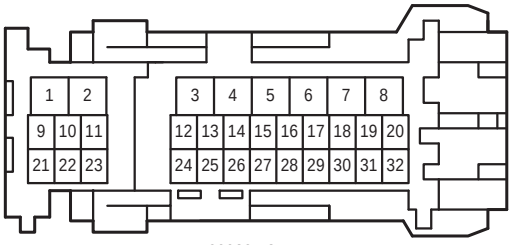
90980-12943

5D
White



90980-12A48

5F
White



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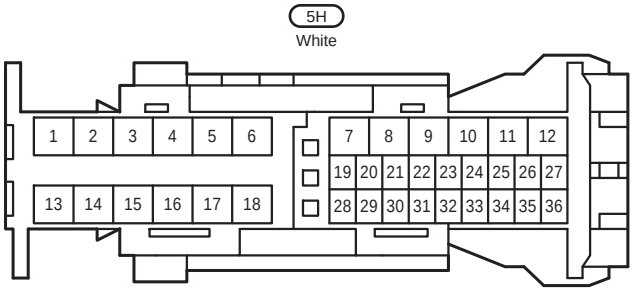
5H
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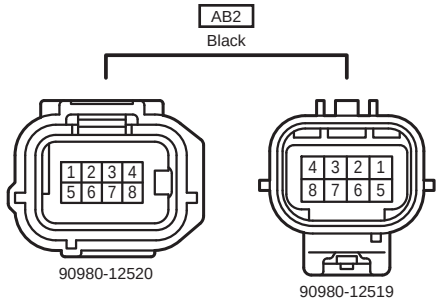
7 8 9 10 11 12
19 20 21 22 23 24 25 26 27
13 14 15 16 17 18
28 29 30 31 32 33 34 35 36
90980-12944


AB2
Black
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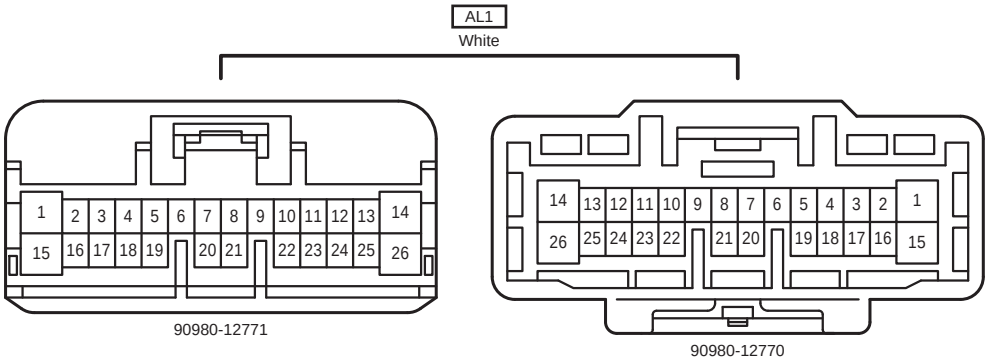
5 6 7 8
90980-12520
4 3 2 1
8 7 6 5
90980-12519


AL1
White
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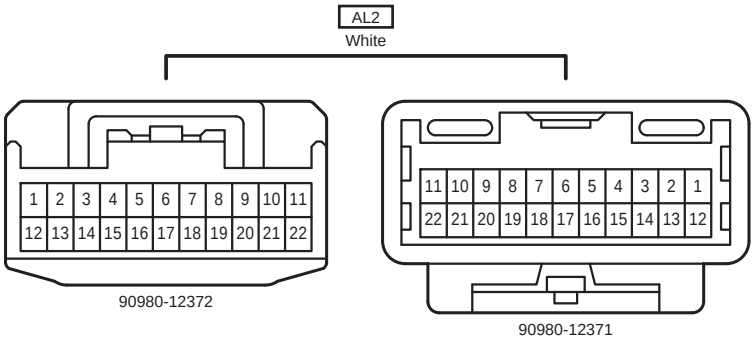
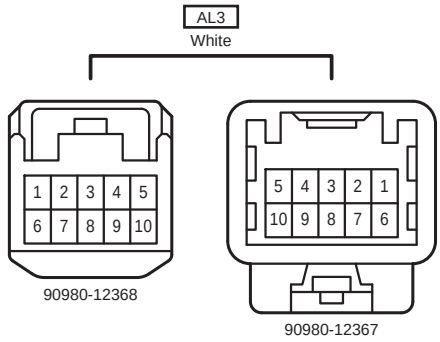
15 16 17 18 19 20 21 22 23 24 25 26
90980-12771
14 13 12 11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15
90980-12770


AL2
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
90980-12372
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12
90980-12371


AL3
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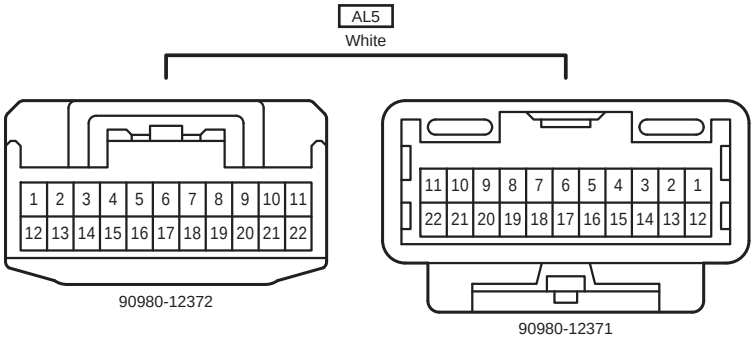
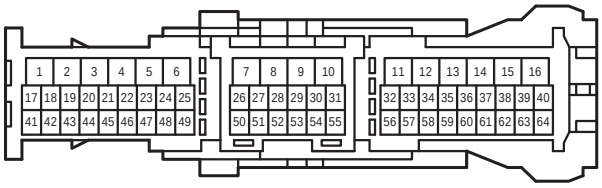
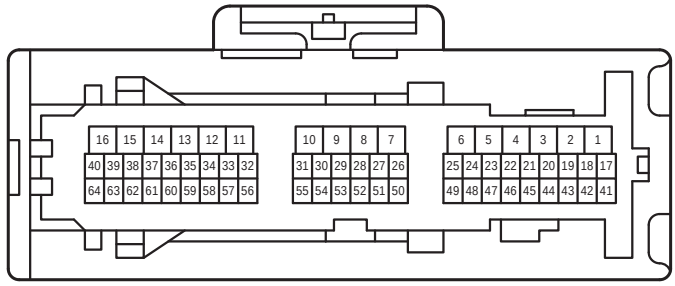
6 7 8 9 10
90980-12368
5 4 3 2 1
10 9 8 7 6
90980-12367


AL5
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
90980-12372
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12
90980-12371

DA1
White



90980-12774



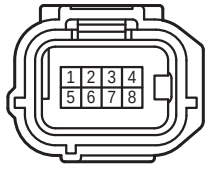
90980-12798

DD3
Gray

90980-10942

90980-10941

DE1
Black



90980-12520

90980-12519

DE2
Black

90980-11194

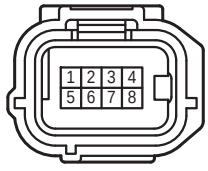
90980-11193

DE3
Gray

90980-11034

90980-11033

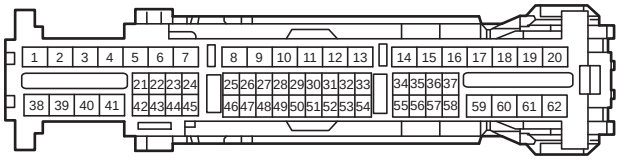
DE4
Gray



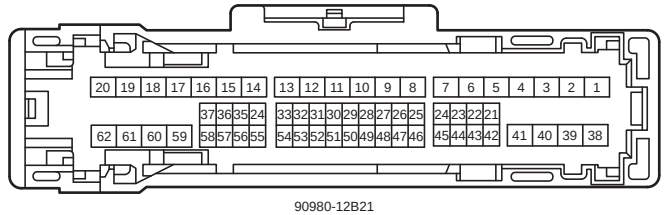
90980-12520

90980-12519

GA1
White

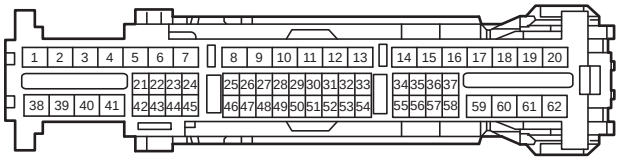


90980-12B22



90980-12B21

GA4
White



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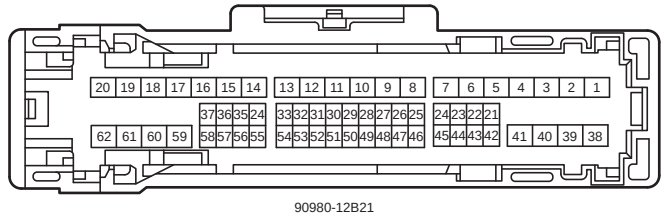

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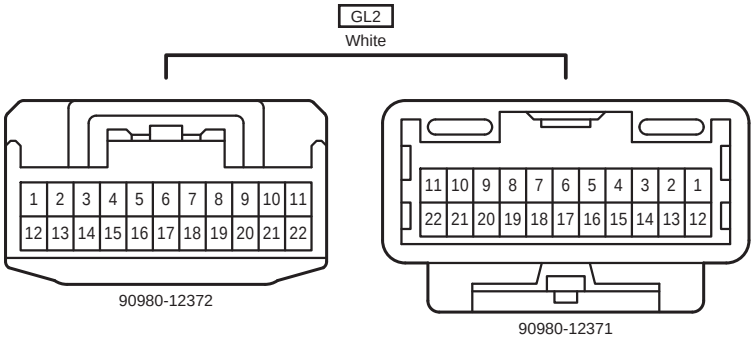
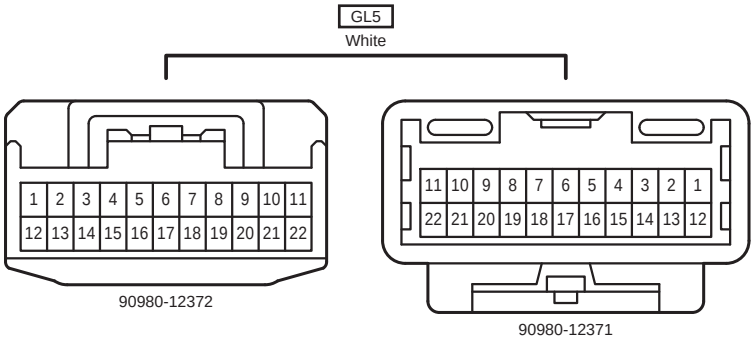
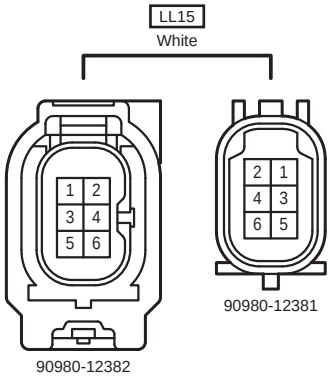
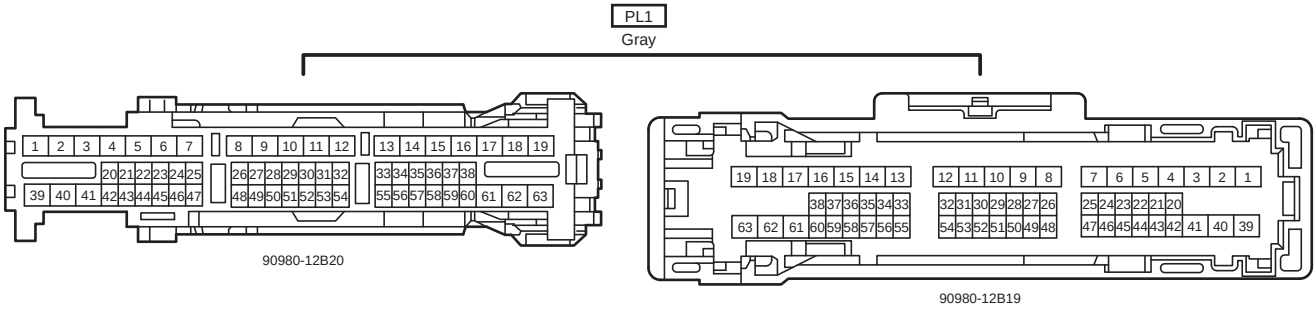

GL2
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
90980-12372
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12
90980-12371


GL5
White
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
90980-12372
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12
90980-12371


LL15
White
1 2
3 4
5 6
90980-12382
2 1
4 3
6 5
90980-12381


PL1
Gray
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
90980-12B20
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20
63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39
90980-12B19