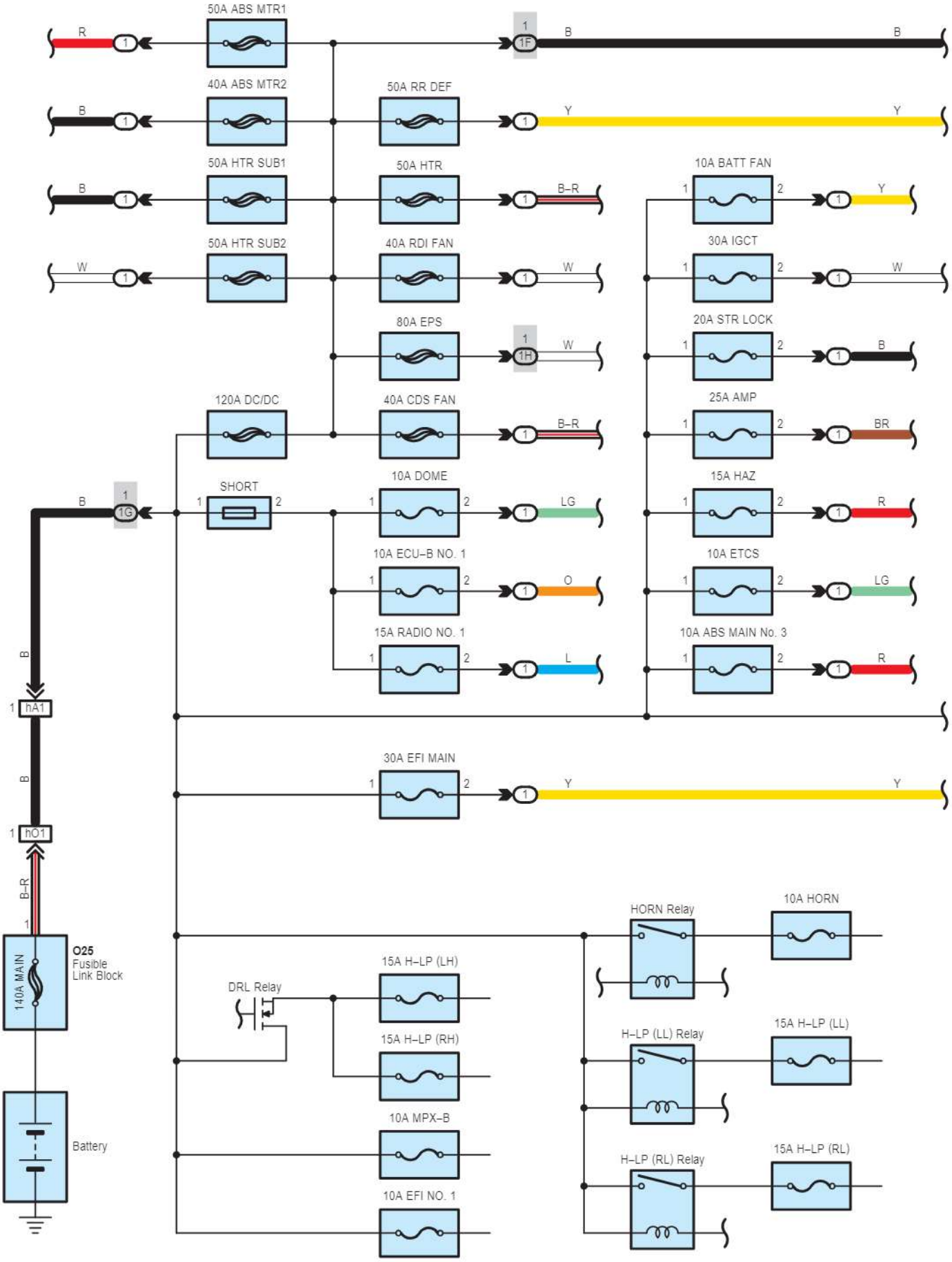
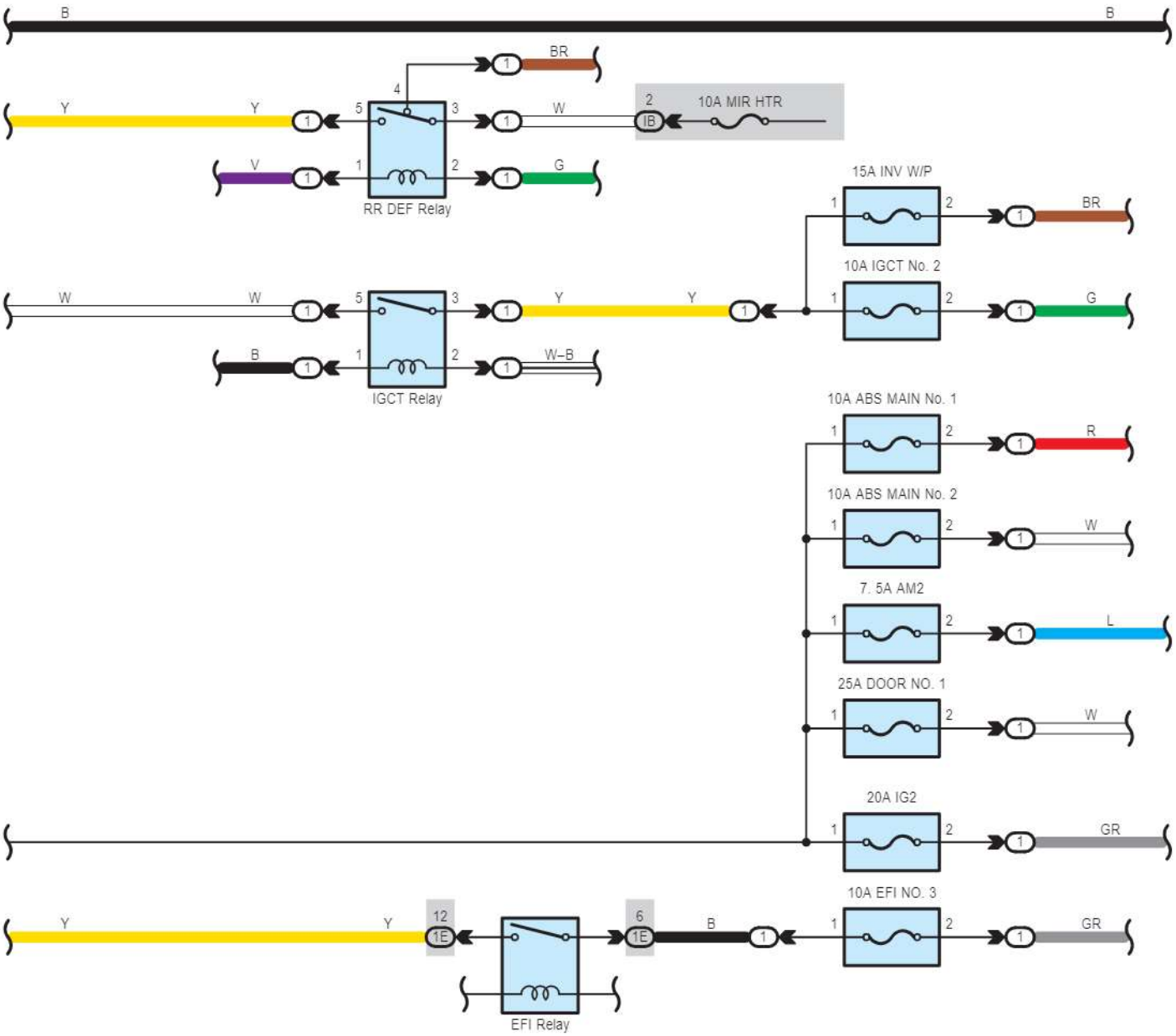
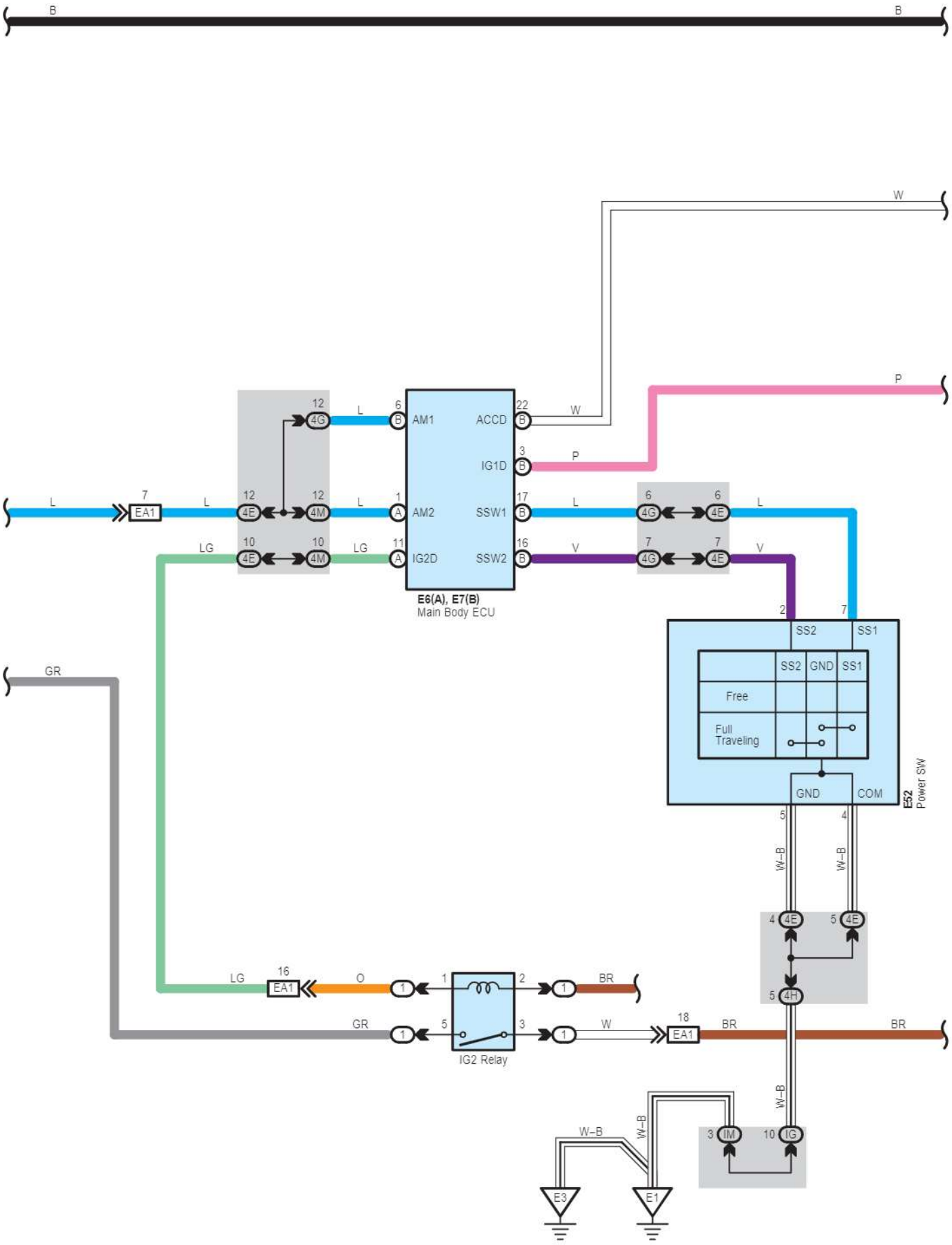
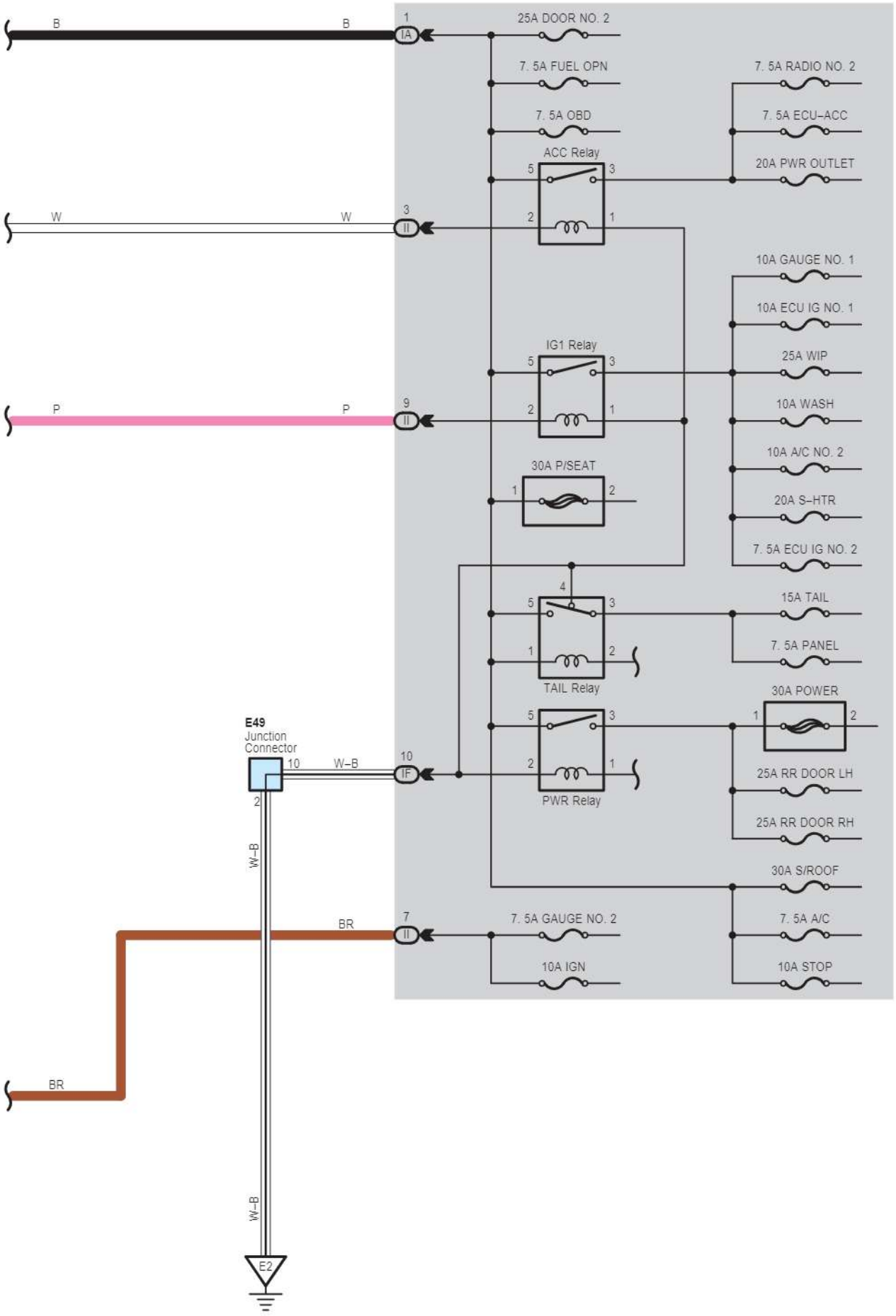

50A ABS MTR1
40A ABS MTR2
50A HTR SUB1
50A HTR SUB2
50A RR DEF
50A HTR
40A RDI FAN
80A EPS
120A DC/DC
40A CDS FAN
SHORT
10A DOME
10A ECU–B NO. 1
15A RADIO NO. 1
10A BATT FAN
30A IGCT
20A STR LOCK
25A AMP
15A HAZ
10A ETCS
10A ABS MAIN No. 3
30A EFI MAIN
1F
1G
1H
hA1
hO1
140A MAIN
O25
Fusible
Link Block
Battery
DRL Relay
HORN Relay
10A HORN
15A H–LP (LH)
15A H–LP (RH)
H–LP (LL) Relay
15A H–LP (LL)
H–LP (RL) Relay
15A H–LP (RL)
10A MPX–B
10A EFI NO. 1


B
B
BR
Y
Y
5
4
3
W
2
10A MIR HTR
1B
V
1
2
G
RR DEF Relay
15A INV W/P
BR
10A IGCT No. 2
W
W
Y
Y
G
B
W-B
IGCT Relay
10A ABS MAIN No. 1
R
10A ABS MAIN No. 2
W
7. 5A AM2
L
25A DOOR NO. 1
W
20A IG2
GR
Y
Y
12
1E
6
1E
B
10A EFI NO. 3
GR
EFI Relay


B
B
W
P
12
4G
L
6
B
AM1
ACCD
22
B
W
3
B
IG1D
P
L
7
EA1
L
12
4E
12
4M
L
1
A
AM2
SSW1
17
B
L
6
4G
6
4E
L
LG
10
4E
10
4M
LG
11
A
IG2D
SSW2
16
B
V
7
4G
7
4E
V
E6(A), E7(B)
Main Body ECU
2
7
SS2
SS1
SS2
GND
SS1
Free
Full Traveling
GND
COM
E52
Power SW
GR
5
4
W-B
W-B
4
4E
5
4E
5
4H
LG
16
EA1
O
1
1
2
1
BR
GR
1
5
3
1
W
18
EA1
BR
BR
IG2 Relay
W-B
W-B
W-B
3
IM
10
IG
E3
E1


B
B
1
1A
25A DOOR NO. 2
7. 5A FUEL OPN
7. 5A OBD
ACC Relay
5
3
2
1
7. 5A RADIO NO. 2
7. 5A ECU–ACC
20A PWR OUTLET
W
W
3
1I
10A GAUGE NO. 1
10A ECU IG NO. 1
IG1 Relay
25A WIP
P
P
9
1I
10A WASH
10A A/C NO. 2
30A P/SEAT
20A S–HTR
7. 5A ECU IG NO. 2
4
15A TAIL
7. 5A PANEL
TAIL Relay
30A POWER
E49
Junction
Connector
10
W–B
10
1F
25A RR DOOR LH
25A RR DOOR RH
PWR Relay
2
W–B
30A S/ROOF
BR
7
1I
7. 5A GAUGE NO. 2
7. 5A A/C
10A IGN
10A STOP
BR
W–B
E2

Power Source

: Parts Location

Code		See Page	Code	See Page	Code	See Page
E6	A	52	E49	53	O25	56
E7	B	52	E52	53		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

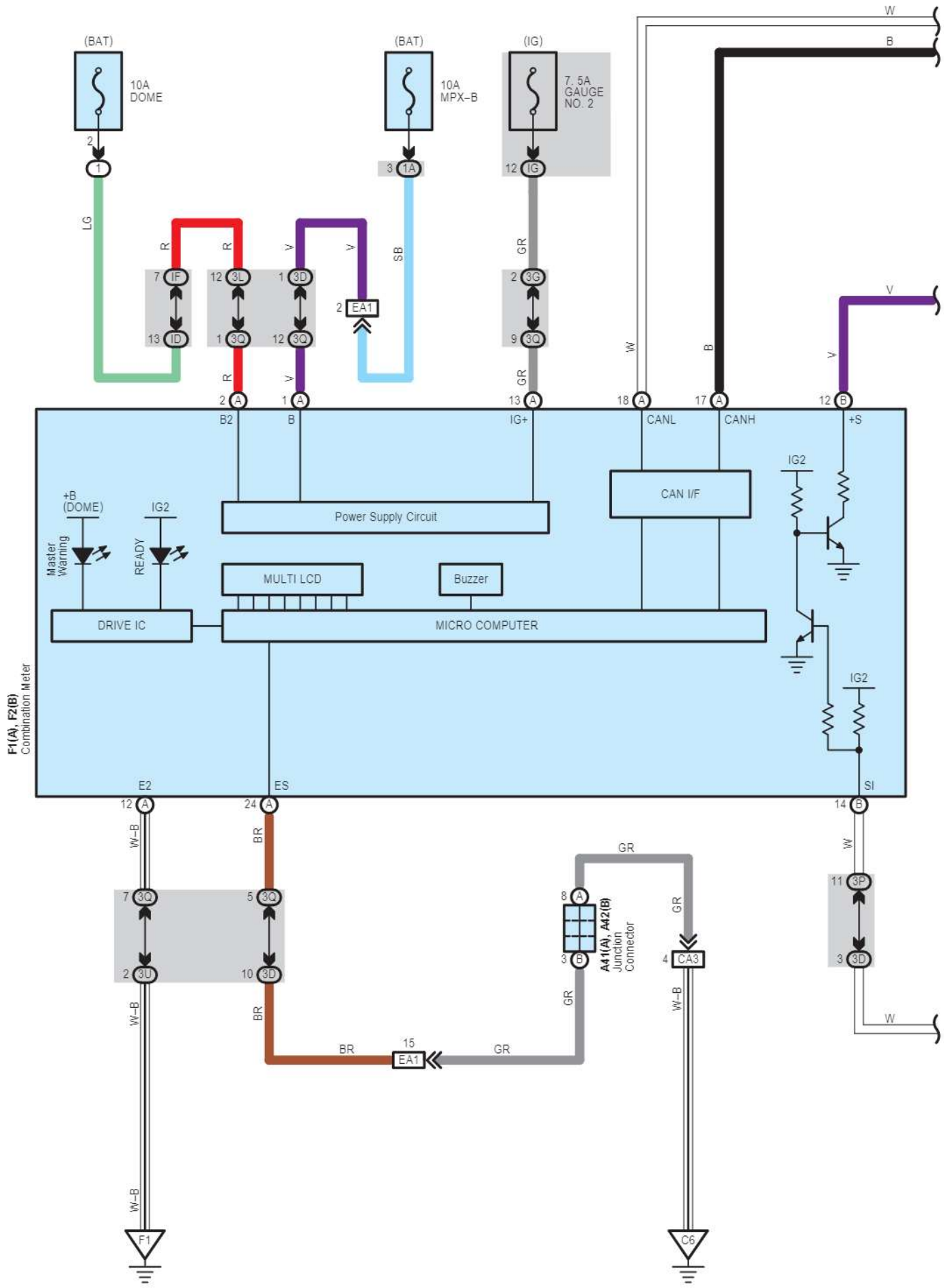
Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F	23	
1G		
1H		
4E	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4G		
4H		
4M		
IA	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IB		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
II		
IM	30	

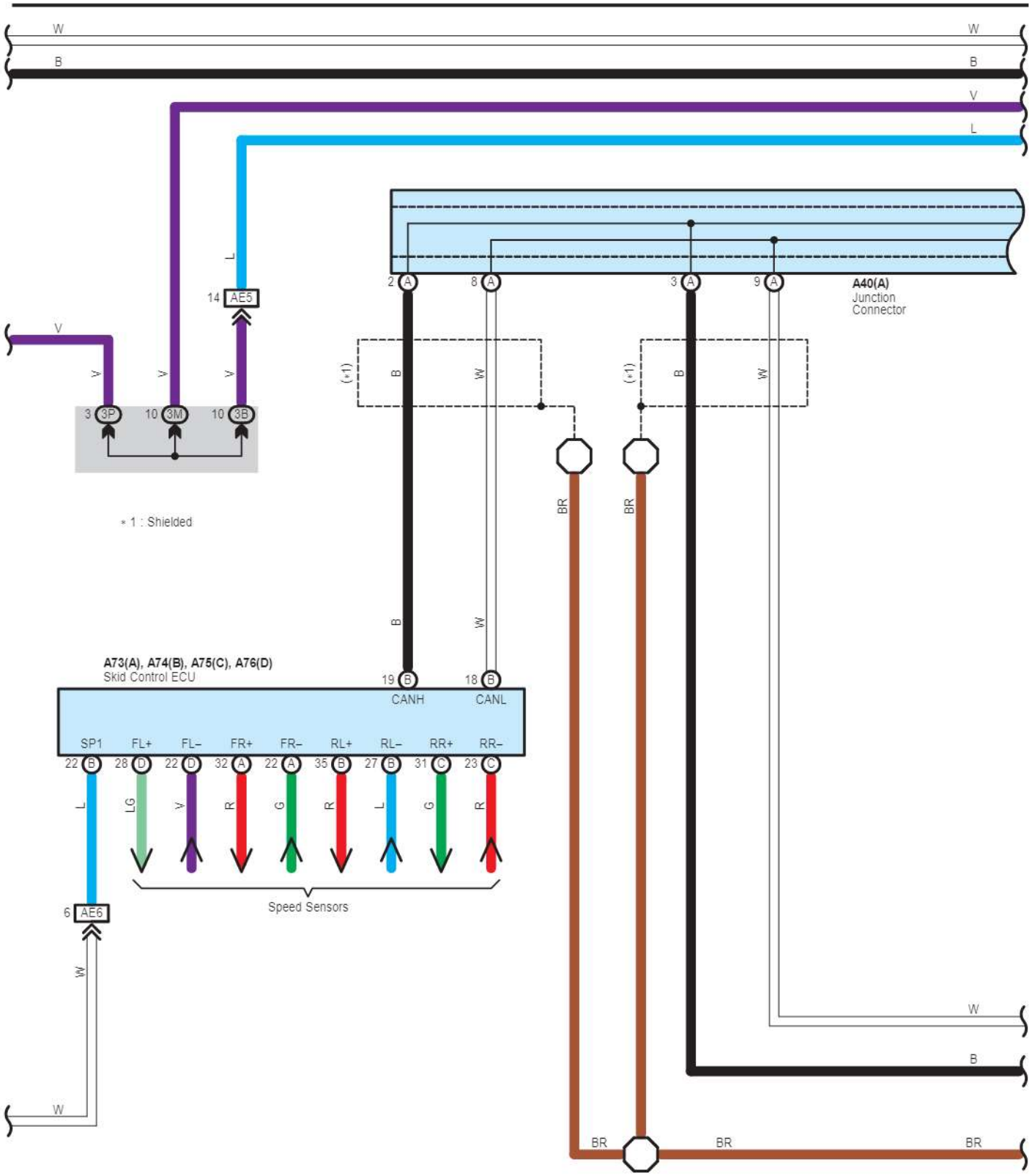
: Connector Joining Wire Harness and Wire Harness

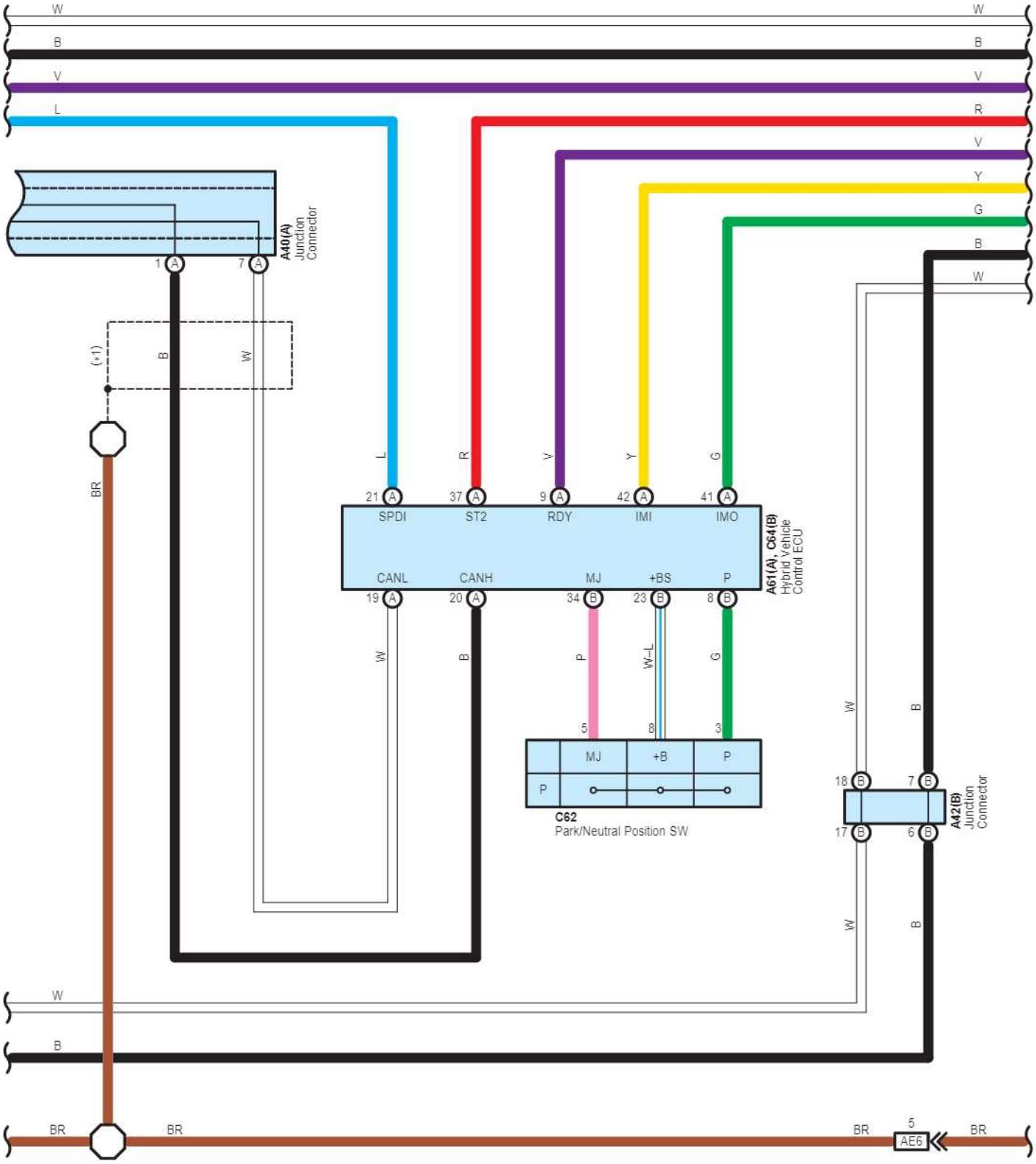
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
hA1	62	Floor No.4 Wire and Engine Room Main Wire (Near the Engine Room R/B and Engine Room J/B)
hO1	64	Floor No.4 Wire and Floor No.2 Wire (Near the Hybrid Battery)

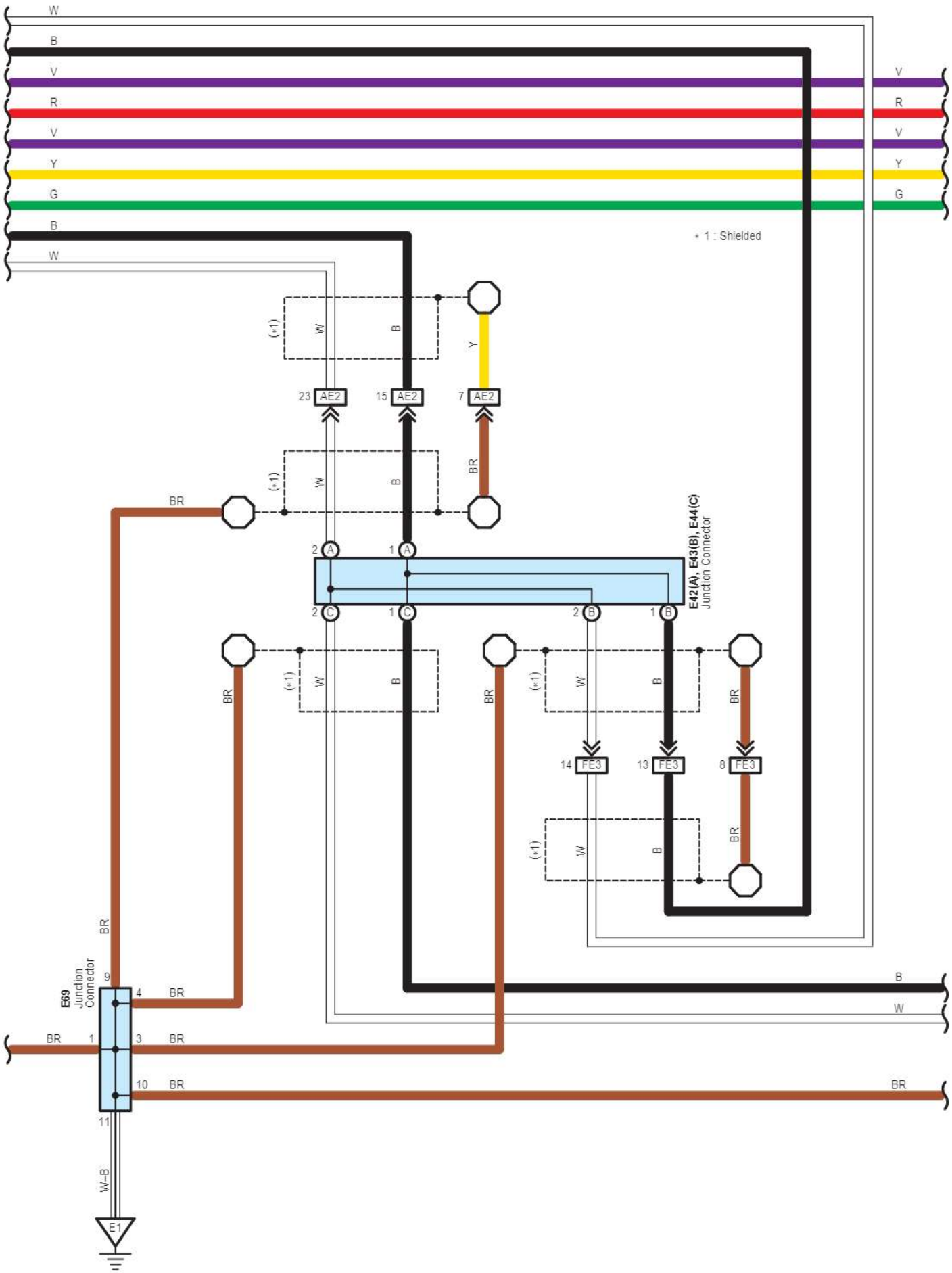
: Ground Points

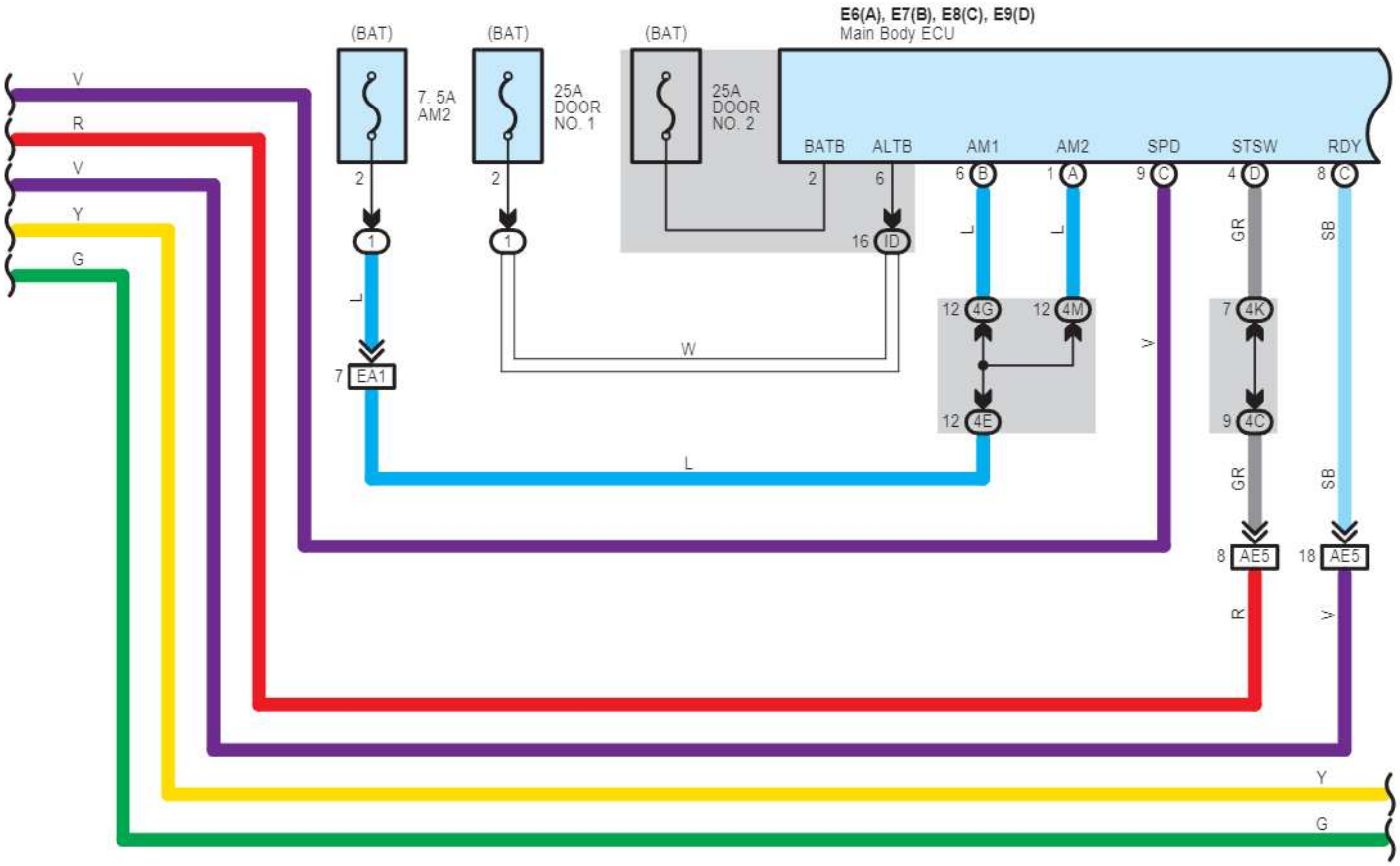
Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
E3	63	Instrument Panel Right


(BAT)
10A
DOME
(BAT)
10A
MPX–B
(IG)
7. 5A
GAUGE
NO. 2
W
B
V
LG
R
V
SB
GR
W
B
V
7 IF
13 ID
12 3L
1 3Q
1 3D
12 3Q
2 EA1
2 3G
9 3Q
2 A
B2
1 A
B
13 A
IG+
18 A
CANL
17 A
CANH
12 B
+S
+B
(DOME)
IG2
Master
Warning
READY
Power Supply Circuit
CAN I/F
IG2
MULTI LCD
Buzzer
DRIVE IC
MICRO COMPUTER
F1(A), F2(B)
Combination Meter
E2
ES
SI
IG2
12 A
24 A
14 B
W–B
BR
W
GR
7 3Q
5 3Q
11 3P
8 A
3 B
A41(A), A42(B)
Junction
Connector
GR
4 CA3
2 3U
10 3D
3 3D
W–B
BR
GR
W–B
W
BR
15
EA1
GR
W–B
F1
C6

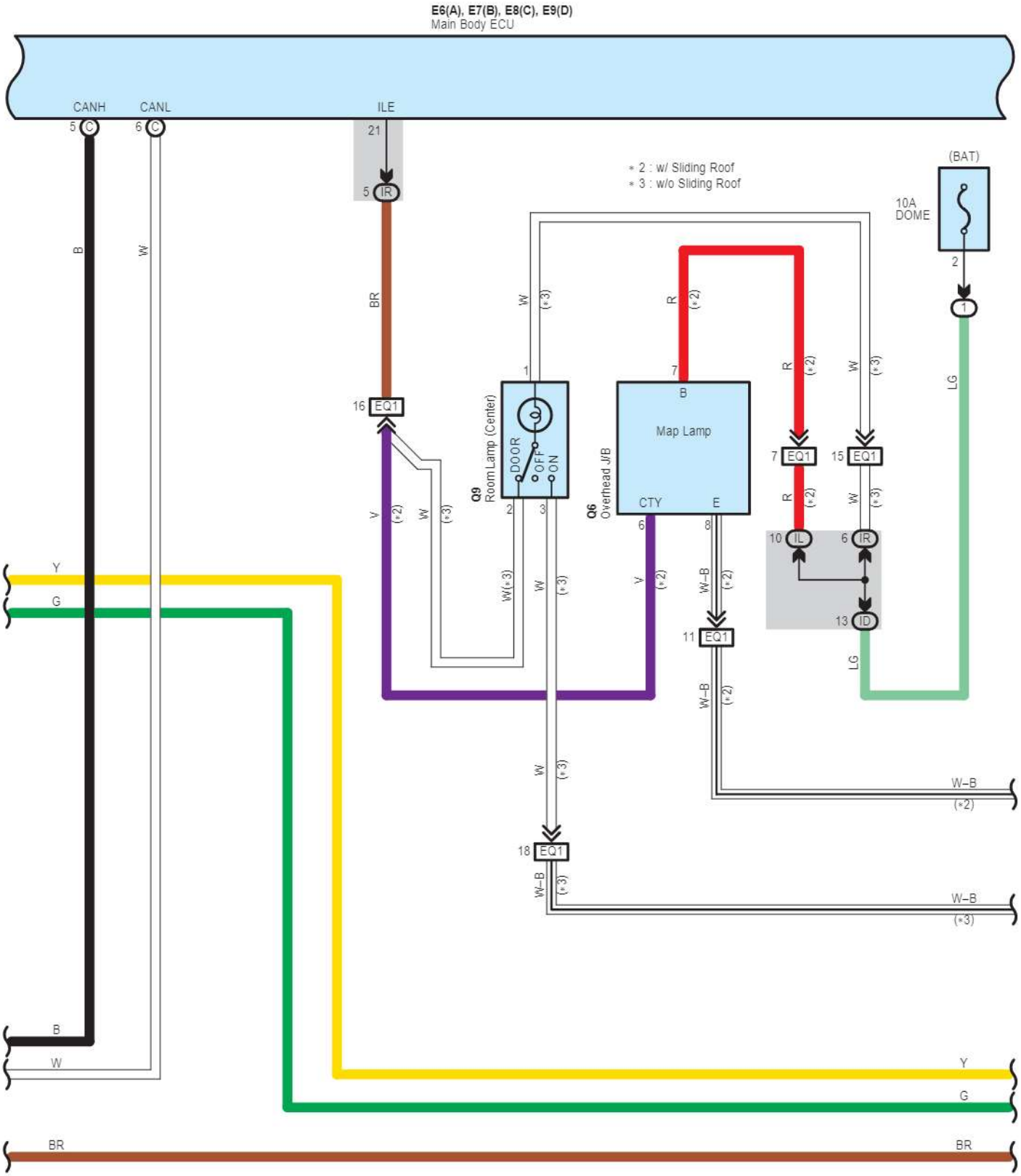

W
B
V
L
14 AE5
3 3P
10 3M
10 3B
* 1 : Shielded
2 A
8 A
3 A
9 A
A40(A)
Junction
Connector
(*1)
BR
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
19 B
18 B
CANH
CANL
SP1
FL+
FL−
FR+
FR−
RL+
RL−
RR+
RR−
22 B
28 D
22 D
32 A
22 A
35 B
27 B
31 C
23 C
LG
Speed Sensors
6 AE6

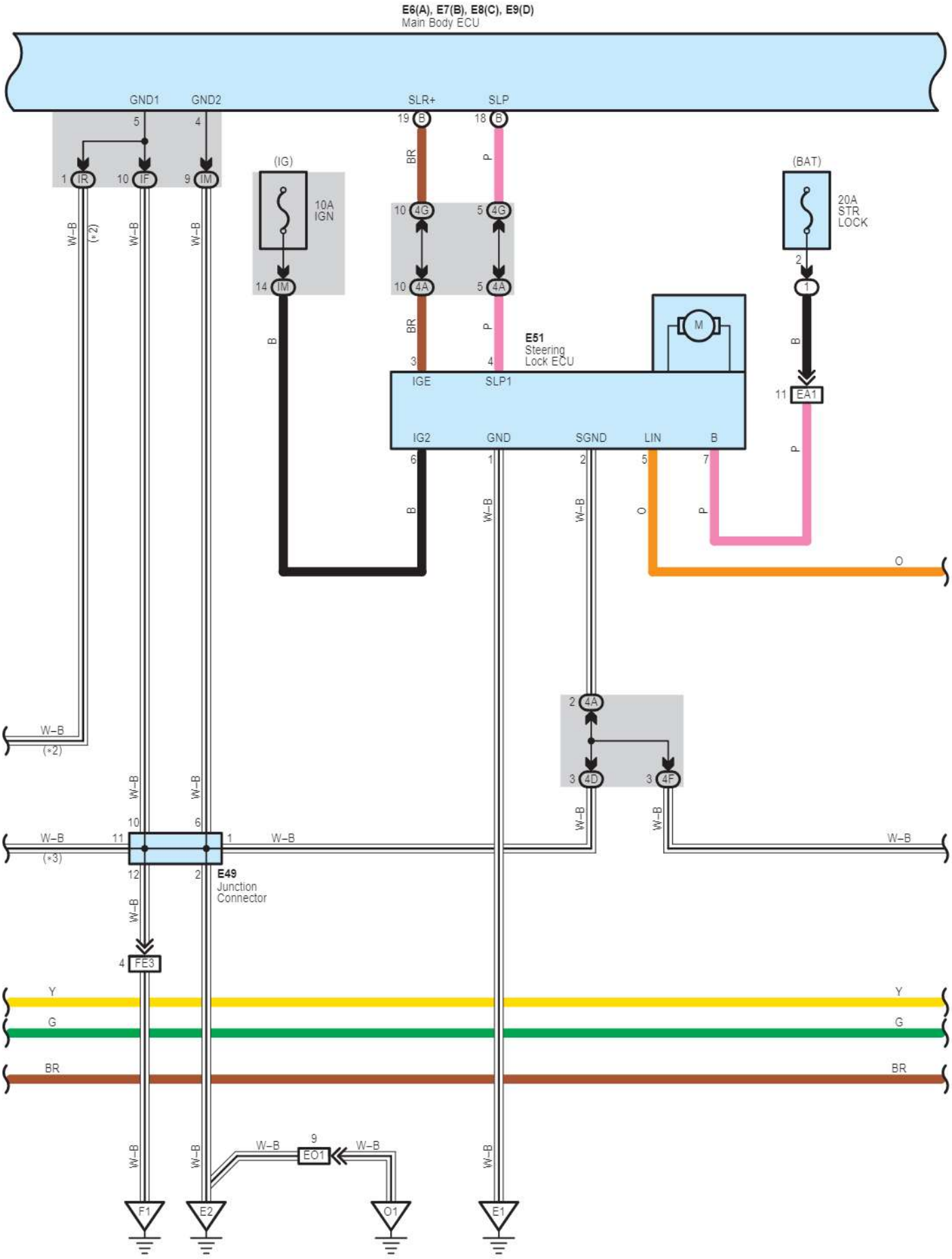

W
B
V
L
R
V
Y
G
B
W
A40(A)
Junction Connector
1 A
7 A
(*1)
B
W
BR
L
R
V
Y
G
21 A
37 A
9 A
42 A
41 A
SPDI
ST2
RDY
IMI
IMO
A61(A), C64(B)
Hybrid Vehicle Control ECU
CANL
CANH
MJ
+BS
P
19 A
20 A
34 B
23 B
8 B
W
B
P
W-L
G
5
8
3
MJ
+B
P
P
C62
Park/Neutral Position SW
18 B
7 B
17 B
6 B
A42(B)
Junction Connector
W
B
W
B
BR
BR
BR
5
AE6
BR

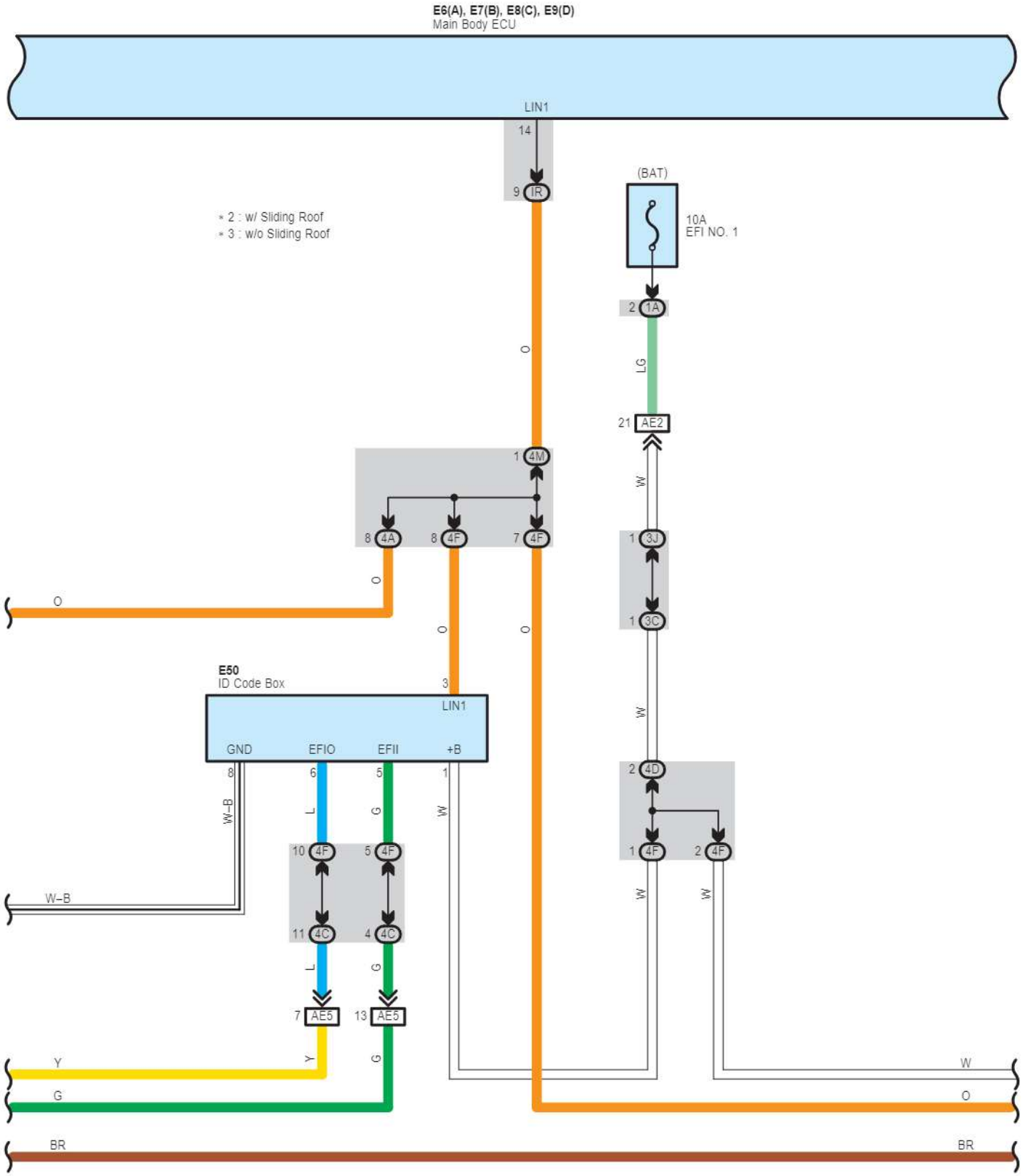

W
B
V
R
V
Y
G
B
W
* 1 : Shielded
(*1)
W
B
Y
23 AE2
15 AE2
7 AE2
BR
2 A
1 A
2 C
1 C
2 B
1 B
E42(A), E43(B), E44(C)
Junction Connector
14 FE3
13 FE3
8 FE3
E69
Junction
Connector
9
4
1
3
10
11
W-B
E1

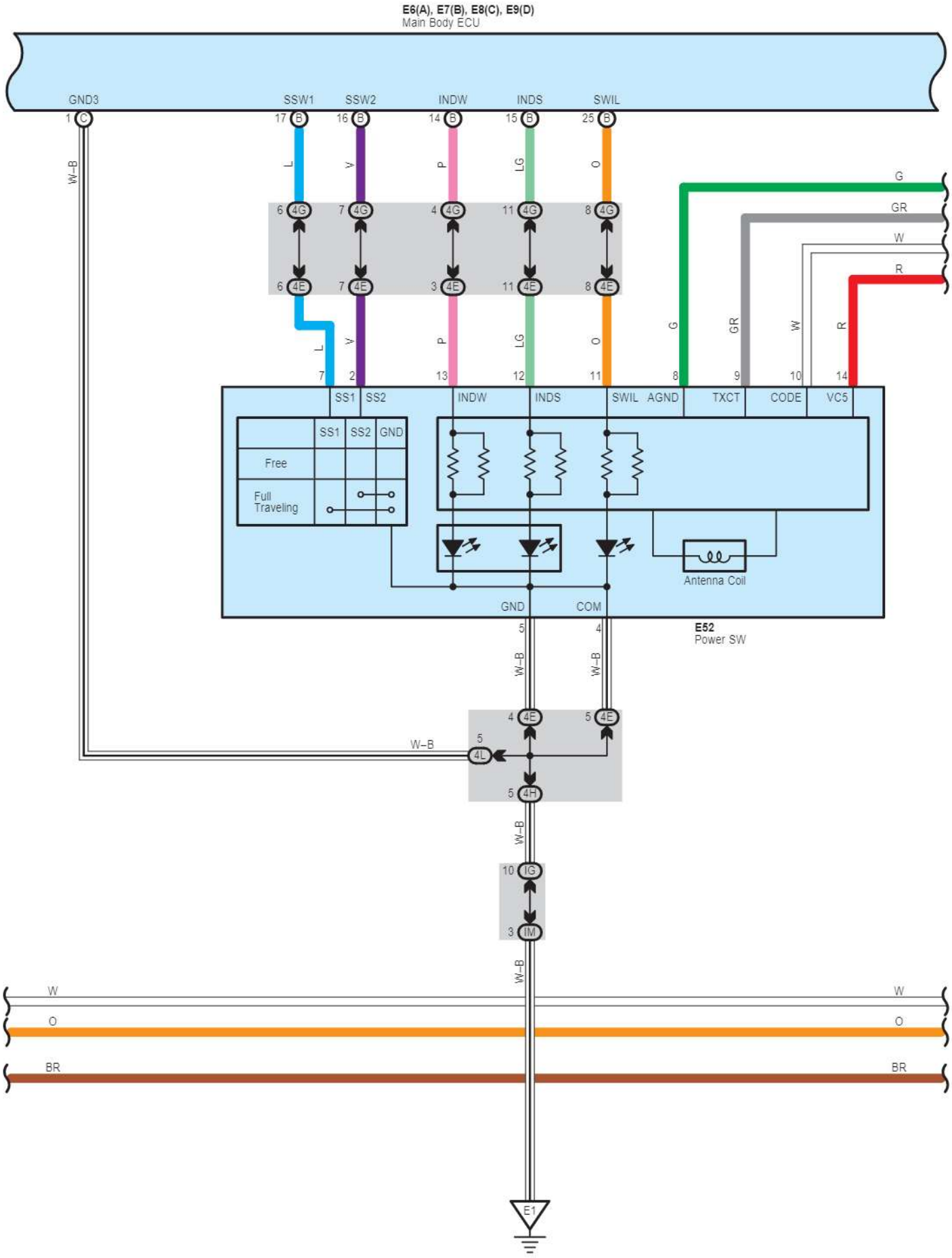

E6(A), E7(B), E8(C), E9(D)
Main Body ECU
(BAT)
(BAT)
(BAT)
7. 5A
AM2
25A
DOOR
NO. 1
25A
DOOR
NO. 2
BATB
ALTB
AM1
AM2
SPD
STSW
RDY
V
R
V
Y
G
L
W
GR
SB
7 EA1
8 AE5
18 AE5

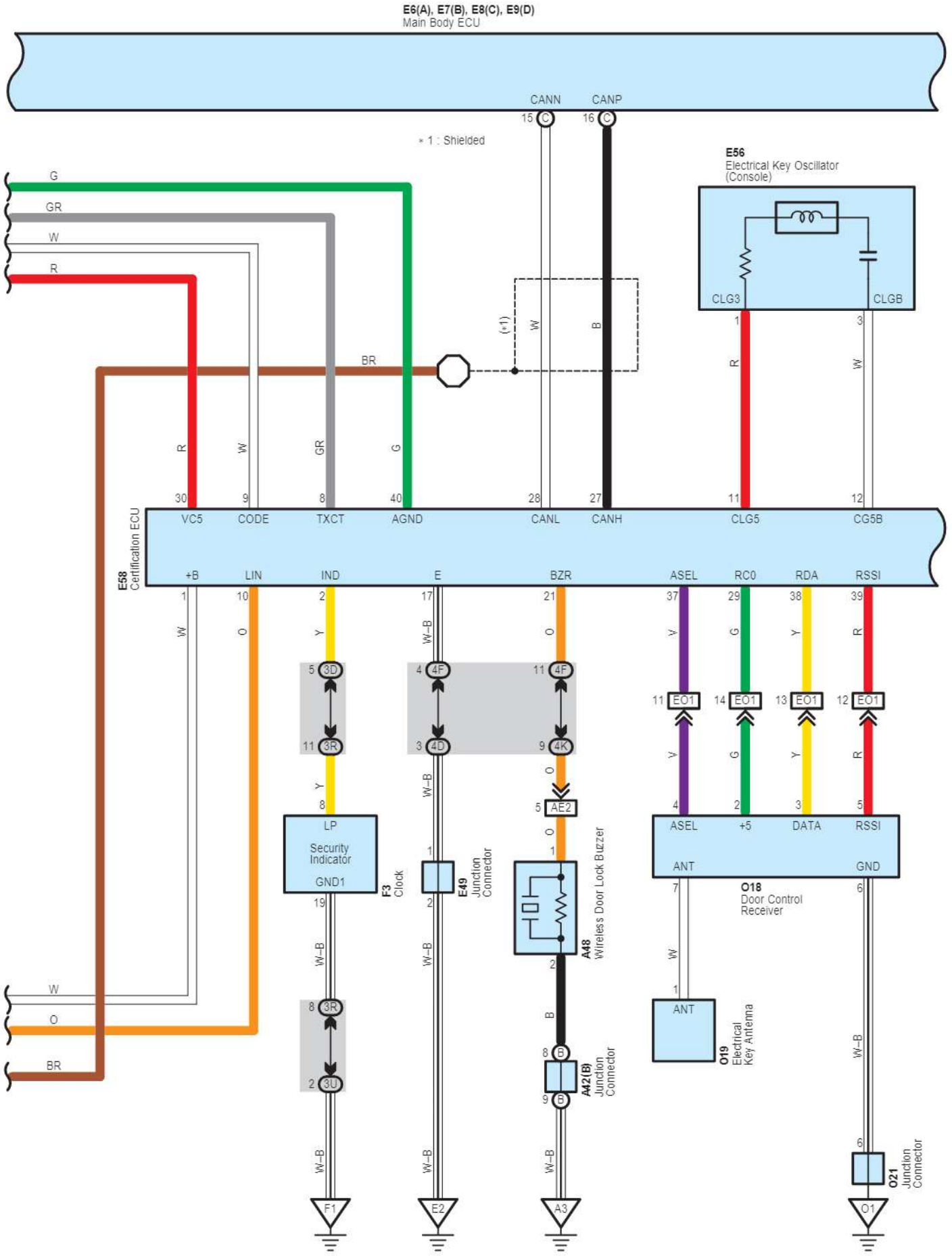

B
W
BR

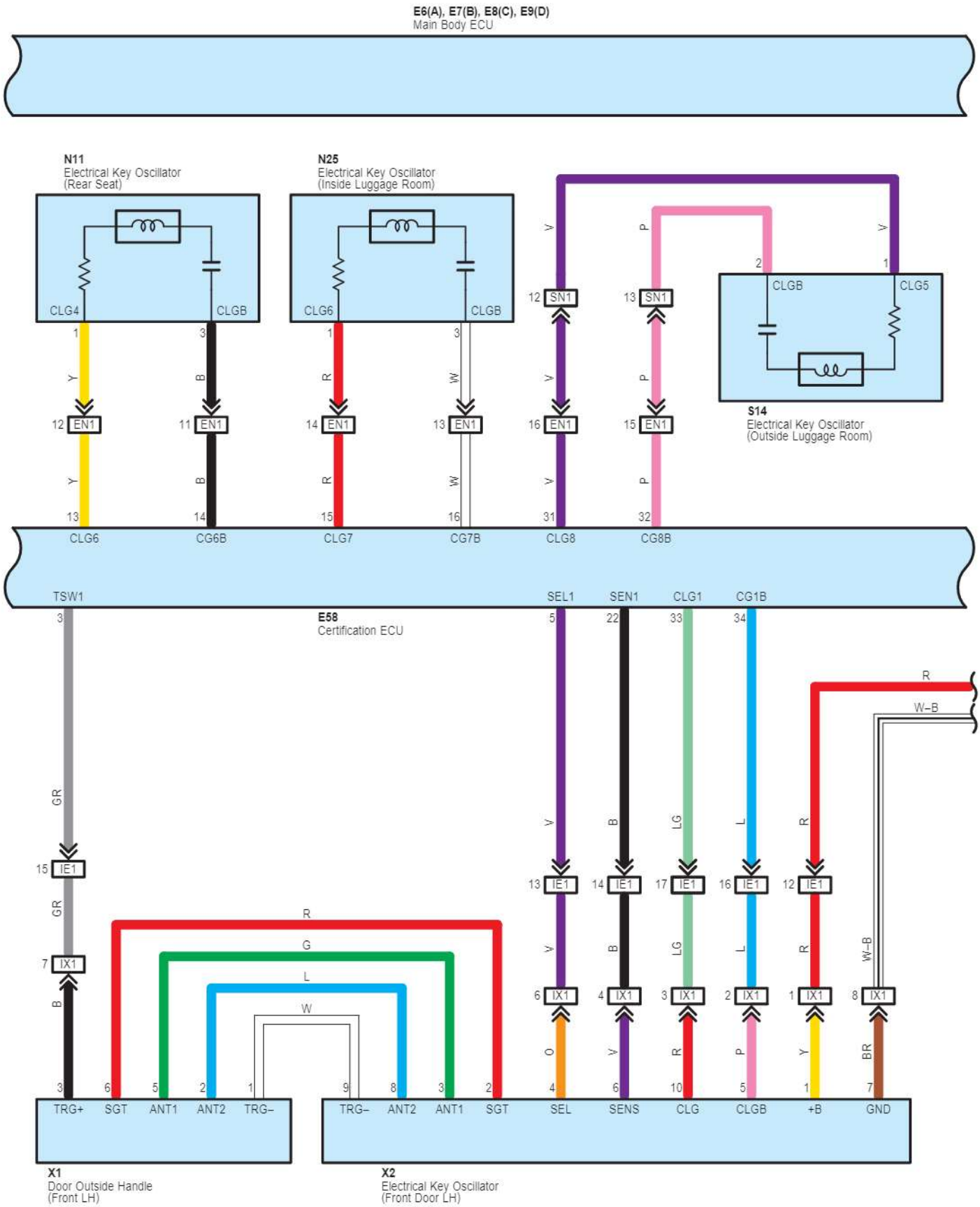

E6(A), E7(B), E8(C), E9(D)
Main Body ECU
CANH
CANL
ILE
5 C
6 C
21
5 IR
* 2 : w/ Sliding Roof
* 3 : w/o Sliding Roof
(BAT)
10A
DOME
2
1
B
W
BR
W
(*3)
R
(*2)
LG
1
7
B
16 EQ1
Q9
Room Lamp (Center)
DOOR
OFF
ON
Q6
Overhead J/B
Map Lamp
CTY
E
7 EQ1
15 EQ1
10 IL
6 IR
13 ID
V
(*2)
W
(*3)
2
3
6
8
W(*3)
W–B
(*2)
11 EQ1
Y
G
W–B
(*2)
18 EQ1
W–B
(*3)
W–B
(*3)
B
W
Y
G
BR
BR

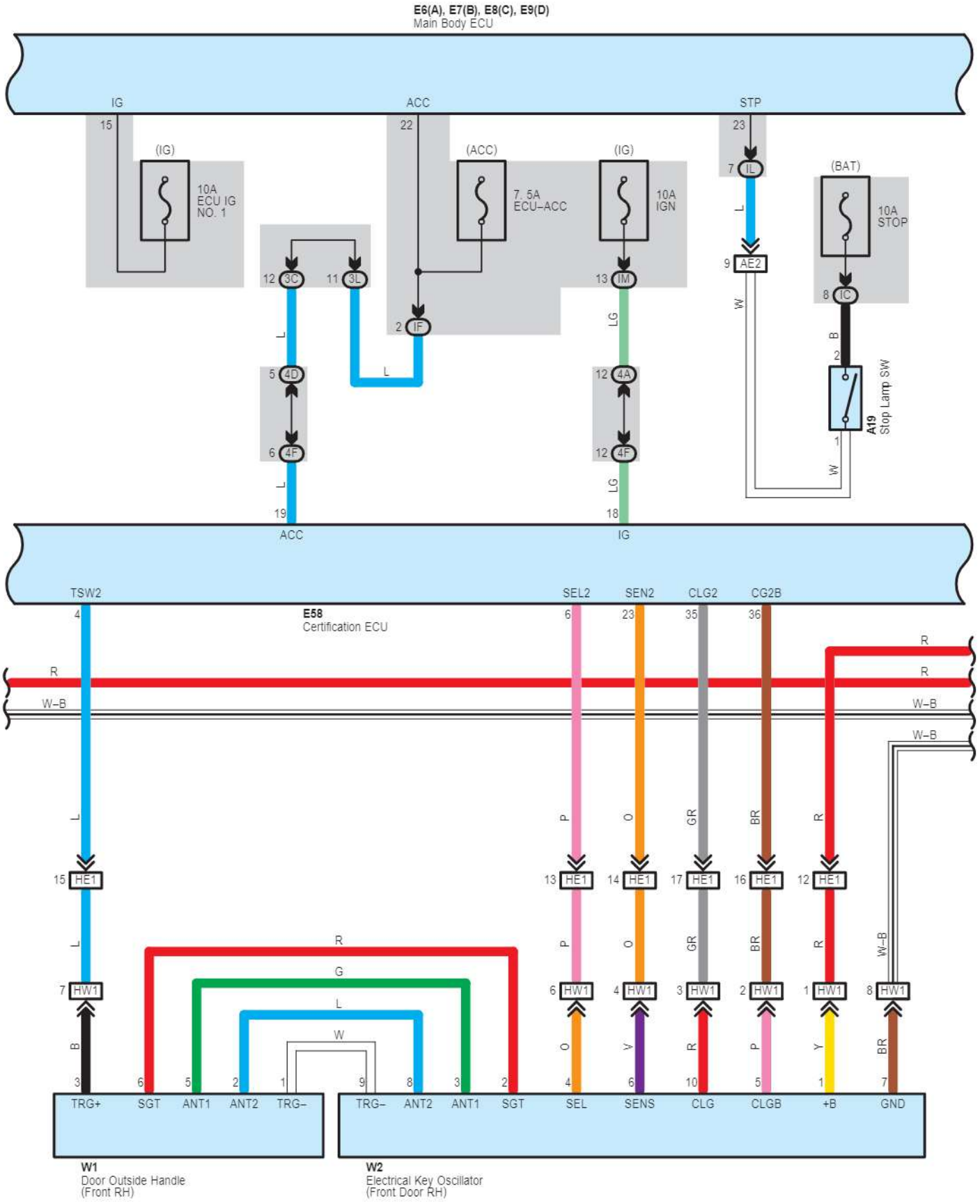

E6(A), E7(B), E8(C), E9(D)
Main Body ECU
GND1
GND2
SLR+
SLP
5
4
19 B
18 B
BR
P
1 IR
10 IF
9 IM
(IG)
10A
IGN
14 IM
(BAT)
20A
STR
LOCK
2
1
W-B
(*2)
10 4G
5 4G
10 4A
5 4A
BR
P
B
3
4
E51
Steering
Lock ECU
M
IGE
SLP1
11 EA1
IG2
GND
SGND
LIN
B
6
1
2
5
7
O
P
2 4A
3 4D
3 4F
W-B
(*3)
10
6
11
1
12
2
E49
Junction
Connector
4 FE3
Y
G
BR
9
EO1
F1
E2
O1
E1

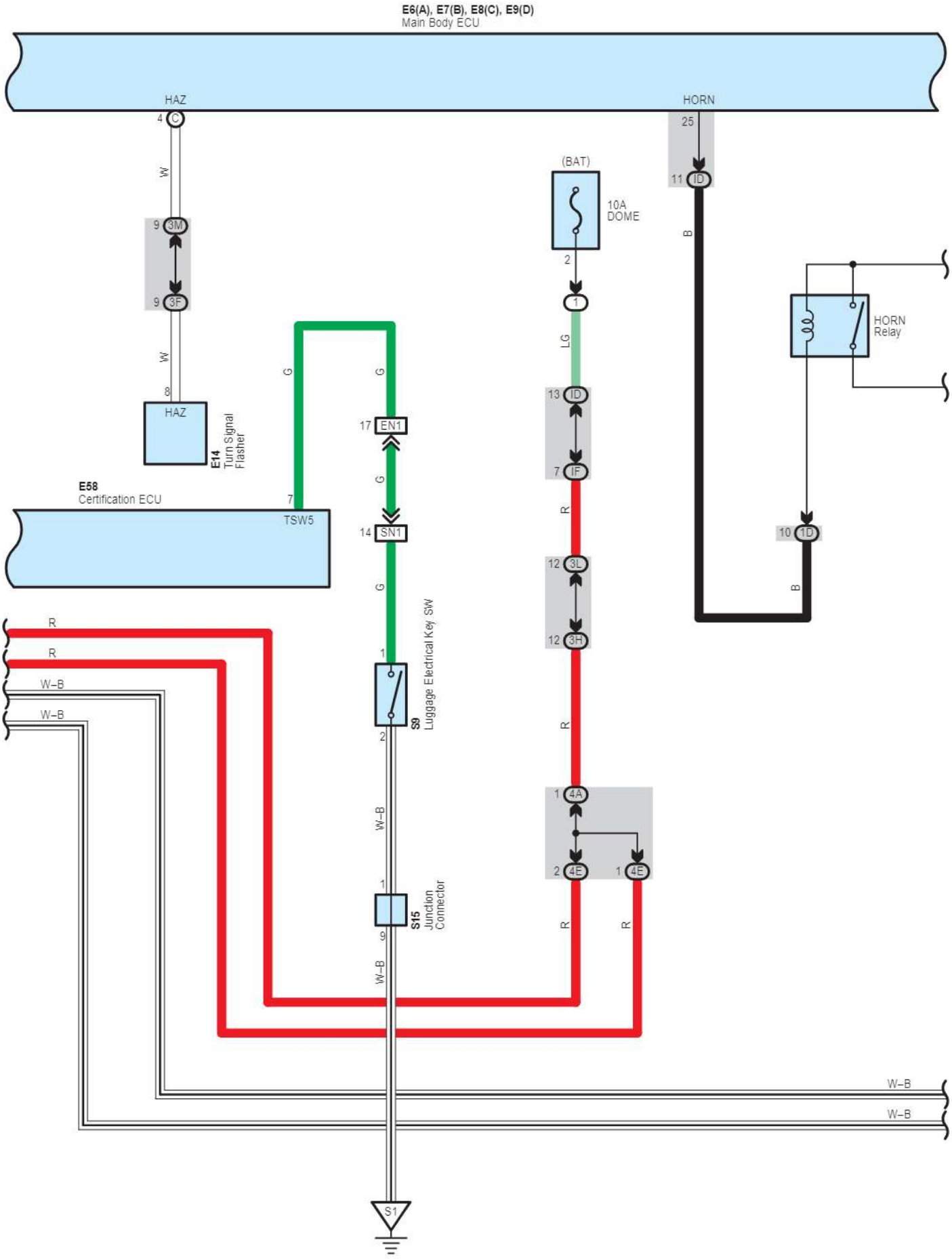

E6(A), E7(B), E8(C), E9(D)
Main Body ECU
LIN1
14
9 IR
(BAT)
10A
EFI NO. 1
* 2 : w/ Sliding Roof
* 3 : w/o Sliding Roof
2 1A
LG
21 AE2
O
1 4M
W
8 4A
8 4F
7 4F
1 3J
1 3C
O
O
O
E50
ID Code Box
3
LIN1
GND
EFIO
EFII
+B
8
6
5
1
W-B
L
G
W
2 4D
10 4F
5 4F
1 4F
2 4F
W-B
11 4C
4 4C
W
W
L
G
7 AE5
13 AE5
Y
Y
G
W
G
O
BR
BR

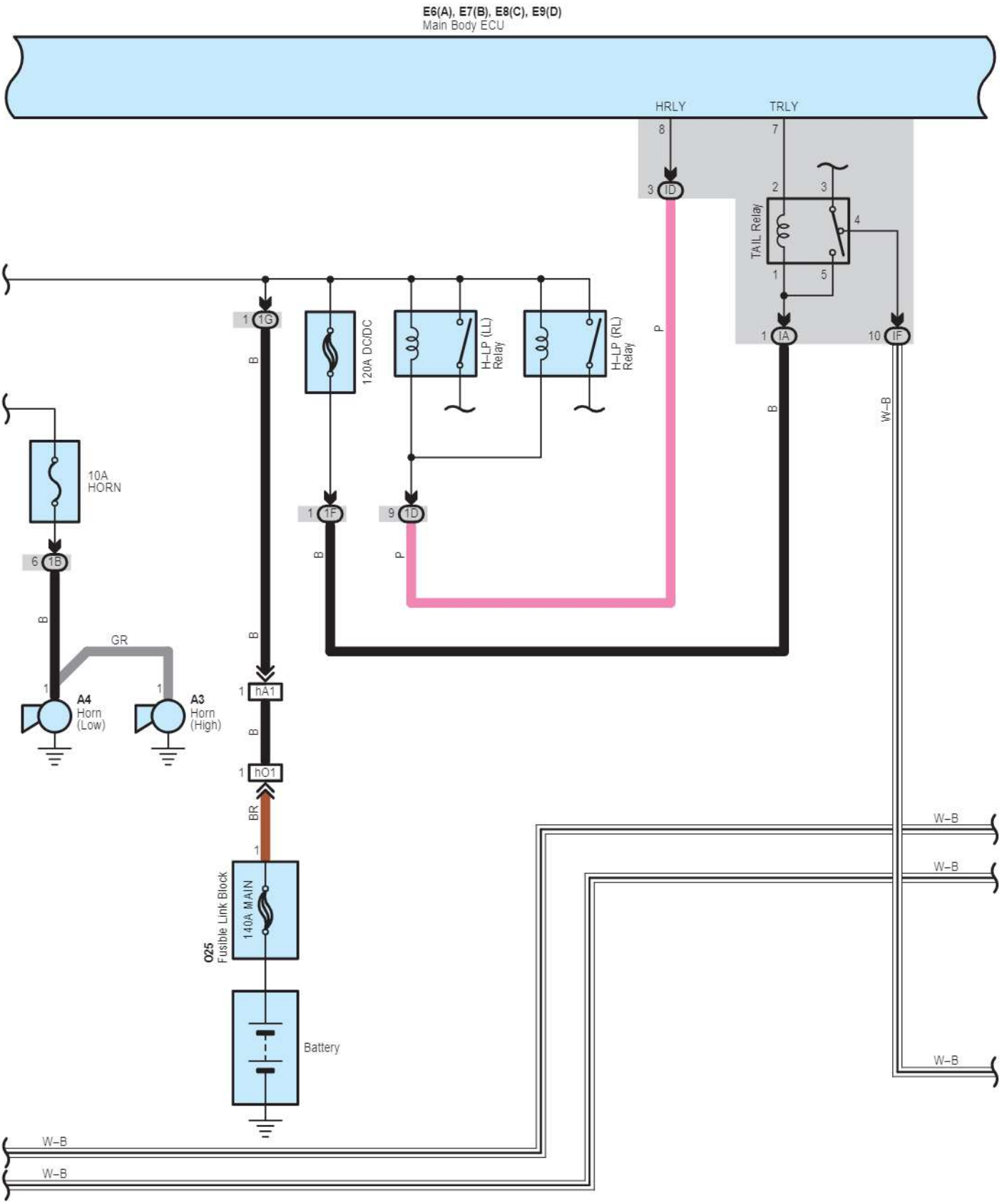

E6(A), E7(B), E8(C), E9(D)
Main Body ECU
GND3
SSW1
SSW2
INDW
INDS
SWIL
SS1
SS2
INDW
INDS
SWIL
AGND
TXCT
CODE
VC5
GND
COM
Free
Full Traveling
Antenna Coil
E52
Power SW
W–B
E1

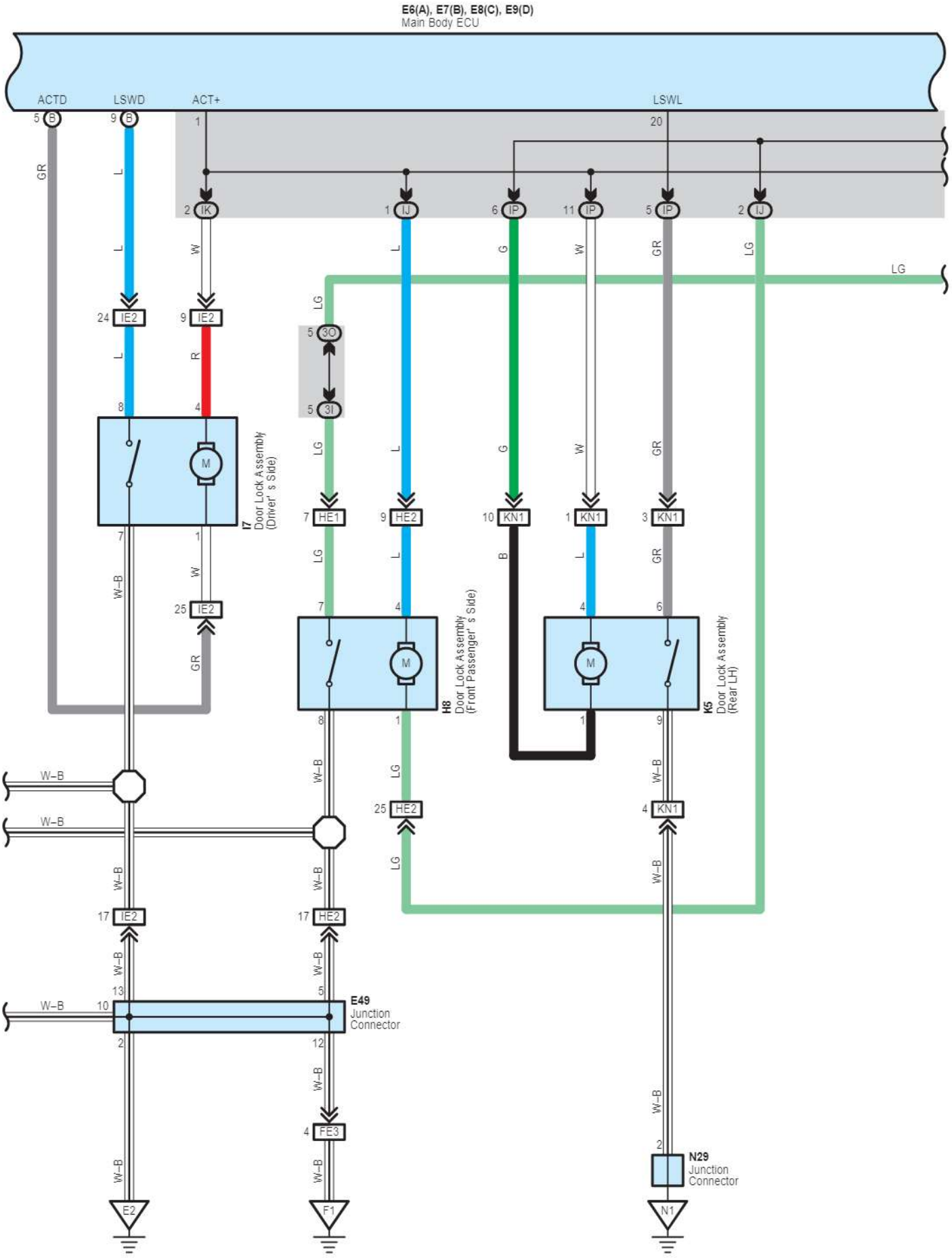

E6(A), E7(B), E8(C), E9(D)
Main Body ECU
CANN
CANP
15
16
* 1 : Shielded
E56
Electrical Key Oscillator (Console)
CLG3
CLGB
G
GR
W
R
BR
(*1)
W
B
R
W
GR
G
30
9
8
40
28
27
1
3
11
12
VC5
CODE
TXCT
AGND
CANL
CANH
CLG5
CG5B
E58
Certification ECU
+B
LIN
IND
E
BZR
ASEL
RC0
RDA
RSSI
1
10
2
17
21
37
29
38
39
W
O
Y
W-B
O
V
G
Y
R
5 3D
11 3R
4 4F
3 4D
11 4F
9 4K
11 EO1
14 EO1
13 EO1
12 EO1
5 AE2
LP
Security Indicator
GND1
F3
Clock
E49
Junction Connector
A48
Wireless Door Lock Buzzer
A42(B)
Junction Connector
ASEL
+5
DATA
RSSI
ANT
GND
O18
Door Control Receiver
8 3R
2 3U
ANT
O19
Electrical Key Antenna
O21
Junction Connector
F1
E2
A3
O1

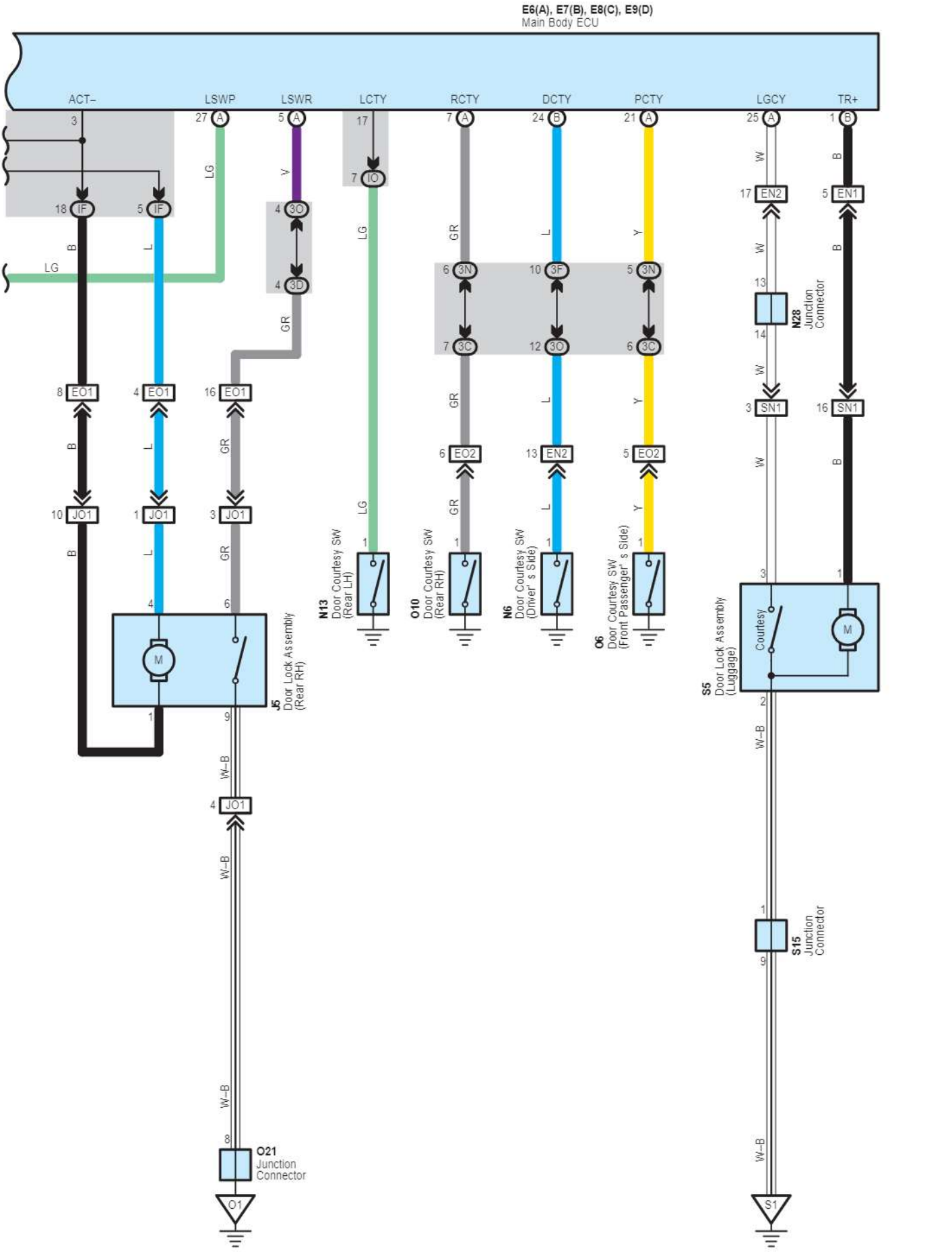

E6(A), E7(B), E8(C), E9(D)
Main Body ECU
N11
Electrical Key Oscillator
(Rear Seat)
N25
Electrical Key Oscillator
(Inside Luggage Room)
CLG4
CLGB
CLG6
CLGB
12 SN1
13 SN1
2
1
CLGB
CLG5
S14
Electrical Key Oscillator
(Outside Luggage Room)
12 EN1
11 EN1
14 EN1
13 EN1
16 EN1
15 EN1
CLG6
CG6B
CLG7
CG7B
CLG8
CG8B
TSW1
E58
Certification ECU
SEL1
SEN1
CLG1
CG1B
15 IE1
13 IE1
14 IE1
17 IE1
16 IE1
12 IE1
7 IX1
6 IX1
4 IX1
3 IX1
2 IX1
1 IX1
8 IX1
TRG+
SGT
ANT1
ANT2
TRG–
TRG–
ANT2
ANT1
SGT
SEL
SENS
CLG
CLGB
+B
GND
X1
Door Outside Handle
(Front LH)
X2
Electrical Key Oscillator
(Front Door LH)


E6(A), E7(B), E8(C), E9(D)
Main Body ECU
IG
ACC
STP
15
22
23
(IG)
(ACC)
(IG)
(BAT)
10A
ECU IG
NO. 1
7. 5A
ECU–ACC
10A
IGN
10A
STOP
7 IL
9 AE2
8 IC
12 3C
11 3L
13 IM
2 IF
5 4D
6 4F
12 4A
12 4F
2
1
A19
Stop Lamp SW
L
W
B
LG
19
18
ACC
IG
TSW2
SEL2
SEN2
CLG2
CG2B
4
6
23
35
36
E58
Certification ECU
R
W–B
15 HE1
13 HE1
14 HE1
17 HE1
16 HE1
12 HE1
7 HW1
6 HW1
4 HW1
3 HW1
2 HW1
1 HW1
8 HW1
P
O
GR
BR
G
W
Y
3
6
5
2
1
9
8
4
10
TRG+
SGT
ANT1
ANT2
TRG–
SEL
SENS
CLG
CLGB
+B
GND
W1
Door Outside Handle
(Front RH)
W2
Electrical Key Oscillator
(Front Door RH)


E6(A), E7(B), E8(C), E9(D)
Main Body ECU
HAZ
HORN
4 C
25
11 ID
(BAT)
10A
DOME
2
1
B
W
9 3M
9 3F
W
8
HAZ
E14
Turn Signal
Flasher
G
G
17 EN1
LG
13 ID
7 IF
HORN
Relay
E58
Certification ECU
7
TSW5
G
14 SN1
R
12 3L
10 1D
B
12 3H
G
R
R
W–B
W–B
1
S9
Luggage Electrical Key SW
2
W–B
1
S15
Junction
Connector
9
W–B
1 4A
2 4E
1 4E
R
R
W–B
W–B
S1


E6(A), E7(B), E8(C), E9(D)
Main Body ECU
HRLY
TRLY
8
7
3 1D
2
3
4
1
5
TAIL Relay
1 1A
10 1F
P
B
W-B
1 1G
B
120A DC/DC
H-LP (LL) Relay
H-LP (RL) Relay
1 1F
9 1D
B
P
10A HORN
6 1B
B
GR
1
A4 Horn (Low)
1
A3 Horn (High)
B
1 hA1
B
1 hO1
BR
1
025 Fusible Link Block
140A MAIN
Battery
W-B
W-B
W-B
W-B
W-B


E6(A), E7(B), E8(C), E9(D)
Main Body ECU
ACTD
LSWD
ACT+
LSWL
I7
Door Lock Assembly
(Driver's Side)
H8
Door Lock Assembly
(Front Passenger's Side)
K5
Door Lock Assembly
(Rear LH)
E49
Junction
Connector
N29
Junction
Connector


E6(A), E7(B), E8(C), E9(D)
Main Body ECU
ACT–
LSWP
LSWR
LCTY
RCTY
DCTY
PCTY
LGCY
TR+
J5
Door Lock Assembly
(Rear RH)
N13
Door Courtesy SW
(Rear LH)
O10
Door Courtesy SW
(Rear RH)
N6
Door Courtesy SW
(Driver' s Side)
O6
Door Courtesy SW
(Front Passenger' s Side)
S5
Door Lock Assembly
(Luggage)
Courtesy
N28
Junction
Connector
S15
Junction
Connector
O21
Junction
Connector

System Outline

* Steering lock

Receiving signals from the power SW and the key, the certification ECU sends instruction for locking and unlocking the steering lock to the steering lock ECU (Built in the steering lock) in order to activate the motor. The steering lock ECU detects position of the lock bar and stops the motor at the specified position.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A3	50	E43 B	48, 53	N28	56
A4	50	E44 C	48, 53	N29	56
A19	55	E49	53	O6	56
A40 A	55	E50	53	O10	56
A41 A	55	E51	53	O18	56
A42 B	55	E52	53	O19	56
A48	50	E56	53	O21	56
A61 A	50	E58	53	O25	56
A73 A	55	E69	53	Q6	57
A74 B	55	F1 A	54	Q9	57
A75 C	55	F2 B	54	S5	57
A76 D	55	F3	54	S9	57
C62	51	H8	57	S14	57
C64 B	51	I7	57	S15	57
E6 A	52	J5	57	W1	57
E7 B	52	K5	57	W2	57
E8 C	52	N6	56	X1	57
E9 D	52	N11	56	X2	57
E14	52	N13	56		
E42 A	48, 53	N25	56		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: **Junction Block and Wire Harness Connector**

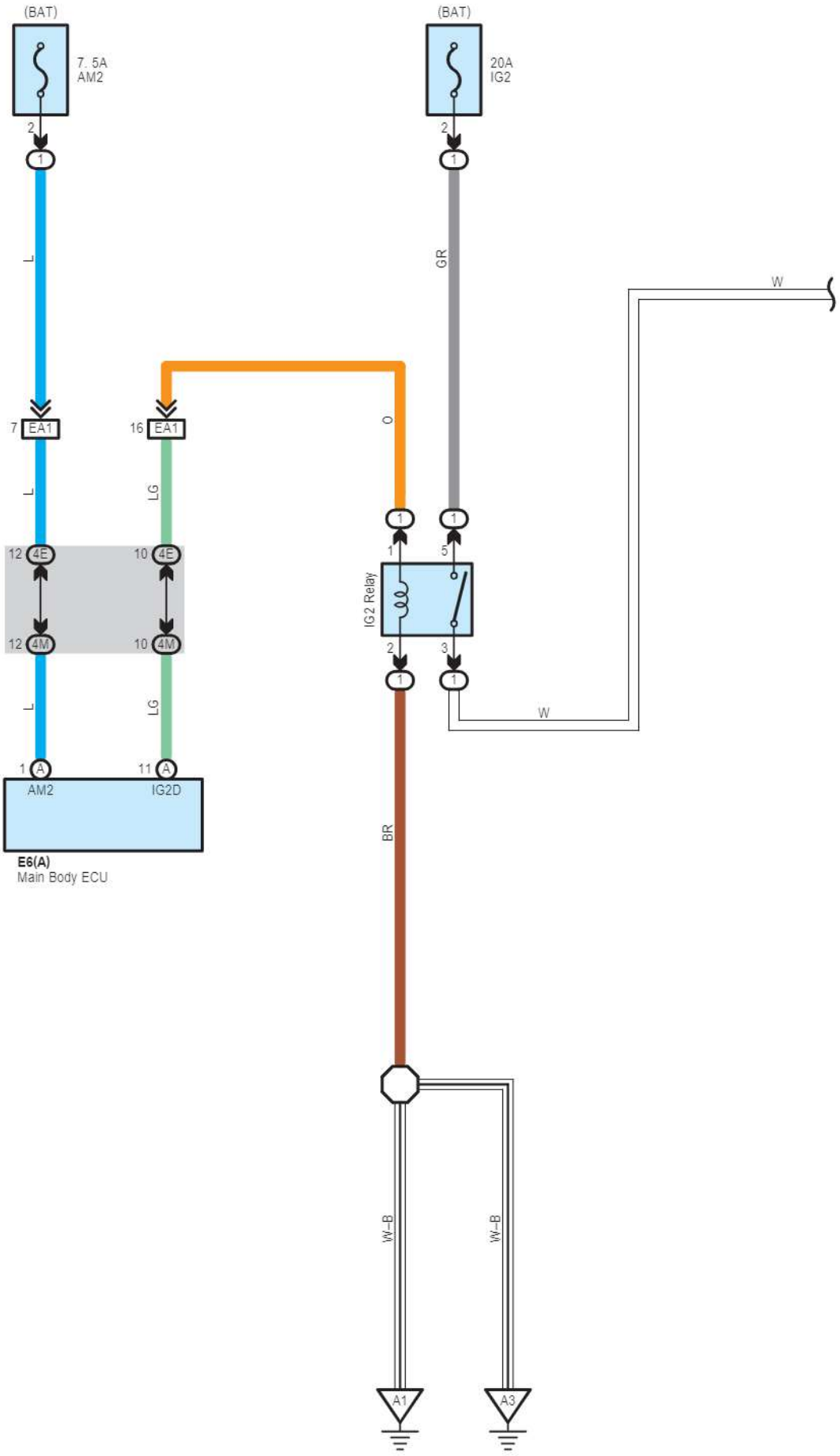
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1B		
1D		
1F	23	
1G		
3B	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3C		
3D		
3F		
3G		
3H		
3I		
3J		
3L		
3M		
3N		
3O		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3R		
3U		
4A	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4C		
4D		
4E		
4F		
4G		
4H		
4K		
4L		
4M		
IA	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IC		
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IJ	30	
IK		
IL		
IM		
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)
IP		
IR	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

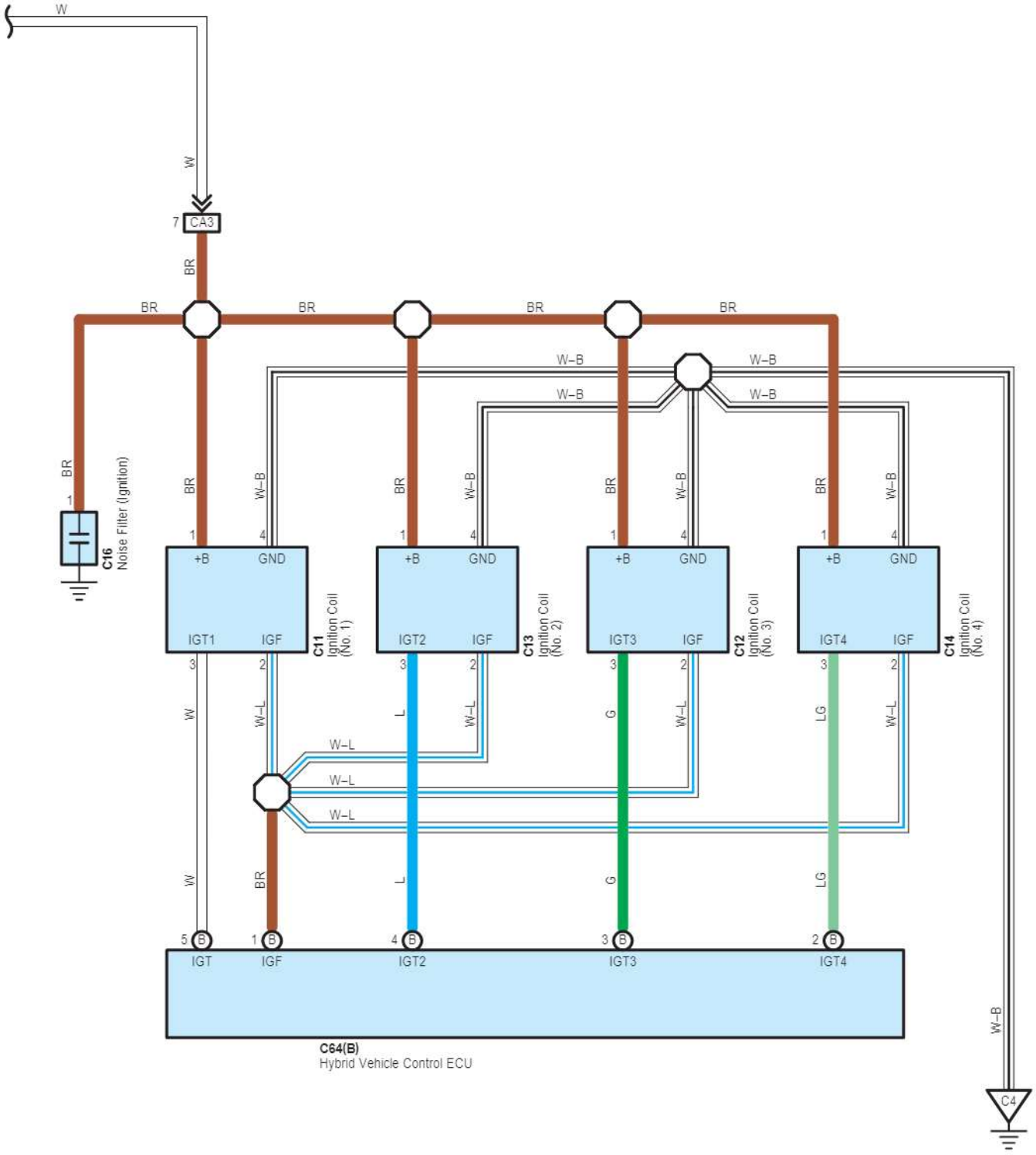
: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE5	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
AE6		
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN1	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EN2		
EO1	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
EO2		
EQ1	63	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
HE1	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
HE2		
HW1	64	Front Door RH Wire and Electrical Key Wire Harness RH (Inside of the Front Door RH)
IE1	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IE2		
IX1	64	Front Door LH Wire and Electrical Key Wire Harness LH (Inside of the Front Door LH)
JO1	64	Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar)
KN1	64	Rear Door No.2 Wire and Floor Wire (Left Center Pillar)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)
hA1	62	Floor No.4 Wire and Engine Room Main Wire (Near the Engine Room R/B and Engine Room J/B)
hO1	64	Floor No.4 Wire and Floor No.2 Wire (Near the Hybrid Battery)

: **Ground Points**

Code	See Page	Ground Points Location
A3	63	Left Cowl Side Panel
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
N1	64	Left Rear Quarter Panel
O1	64	Right Rear Quarter Panel
S1	64	Lower Back Panel Center


(BAT)
7. 5A
AM2
2
1
L
7
EA1
L
12
4E
12
4M
L
1
A
AM2
16
EA1
LG
10
4E
10
4M
LG
11
A
IG2D
E6(A)
Main Body ECU
(BAT)
20A
IG2
2
1
GR
O
W
1
5
IG2 Relay
2
3
1
1
W
BR
W-B
W-B
A1
A3


W
W
7
CA3
BR
BR
BR
BR
BR
W-B
W-B
W-B
W-B
BR
1
C16
Noise Filter (Ignition)
BR
1
4
+B
GND
IGT1
IGF
C11
Ignition Coil
(No. 1)
BR
1
4
+B
GND
IGT2
IGF
C13
Ignition Coil
(No. 2)
BR
1
4
+B
GND
IGT3
IGF
C12
Ignition Coil
(No. 3)
BR
1
4
+B
GND
IGT4
IGF
C14
Ignition Coil
(No. 4)
3
2
W
W-L
L
W-L
G
W-L
LG
W-L
W-L
W-L
W-L
W
BR
L
G
LG
5
B
IGT
1
B
IGF
4
B
IGT2
3
B
IGT3
2
B
IGT4
C64(B)
Hybrid Vehicle Control ECU
W-B
C4

Ignition

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C11	51	C14	51	E6 A	52
C12	51	C16	51		
C13	51	C64 B	51		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

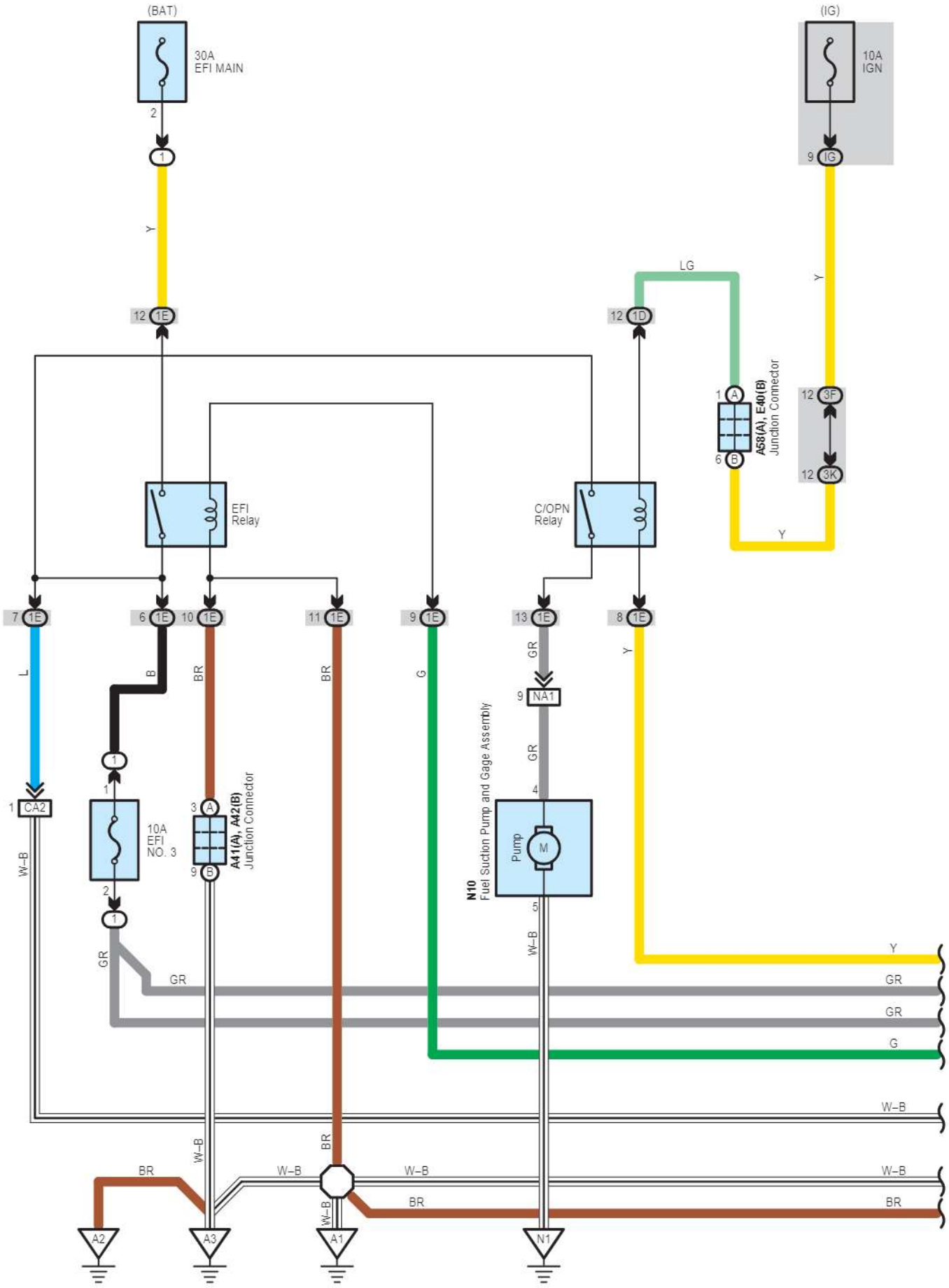
Code	See Page	Junction Block and Wire Harness (Connector Location)
4E	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4M		

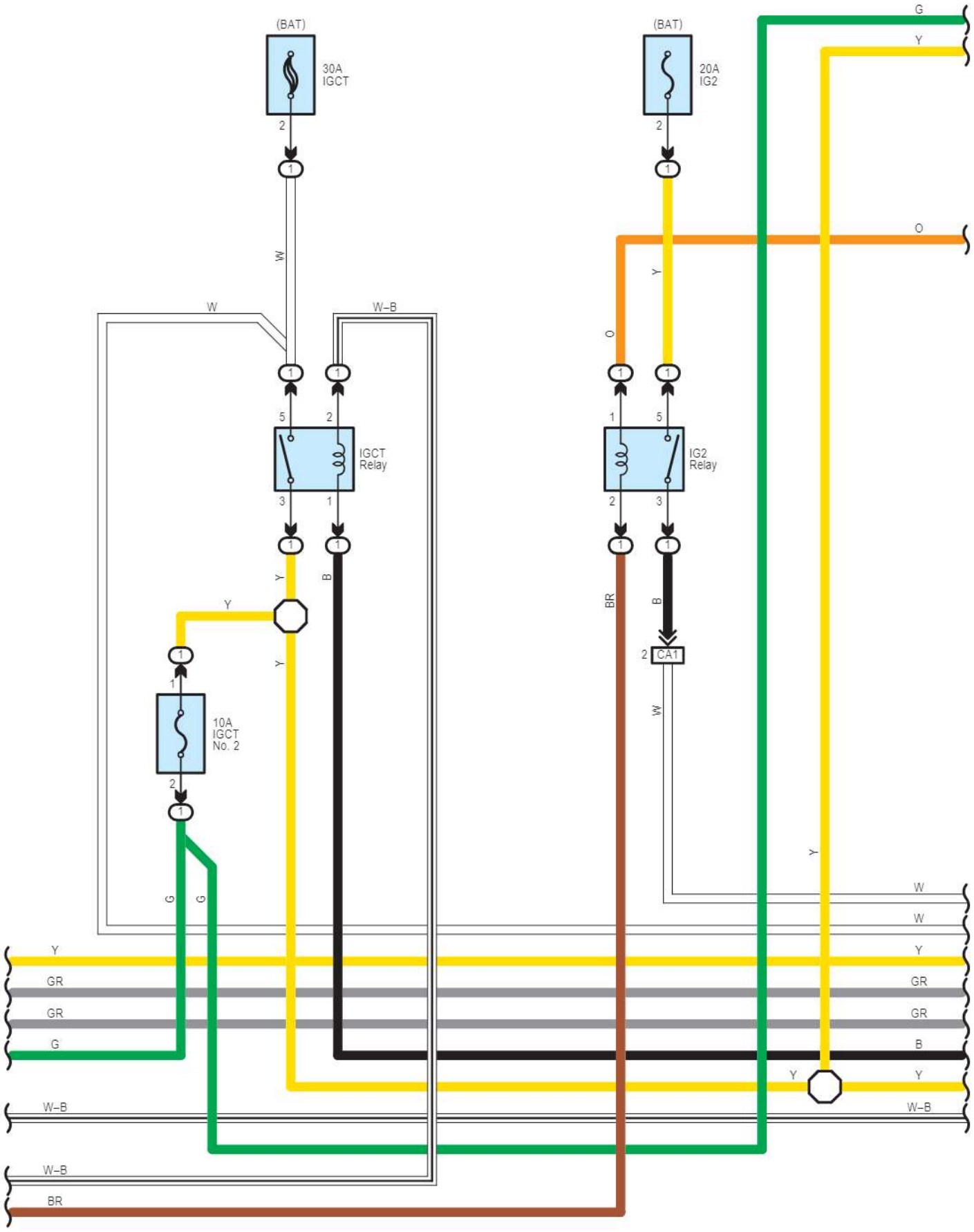
: Connector Joining Wire Harness and Wire Harness

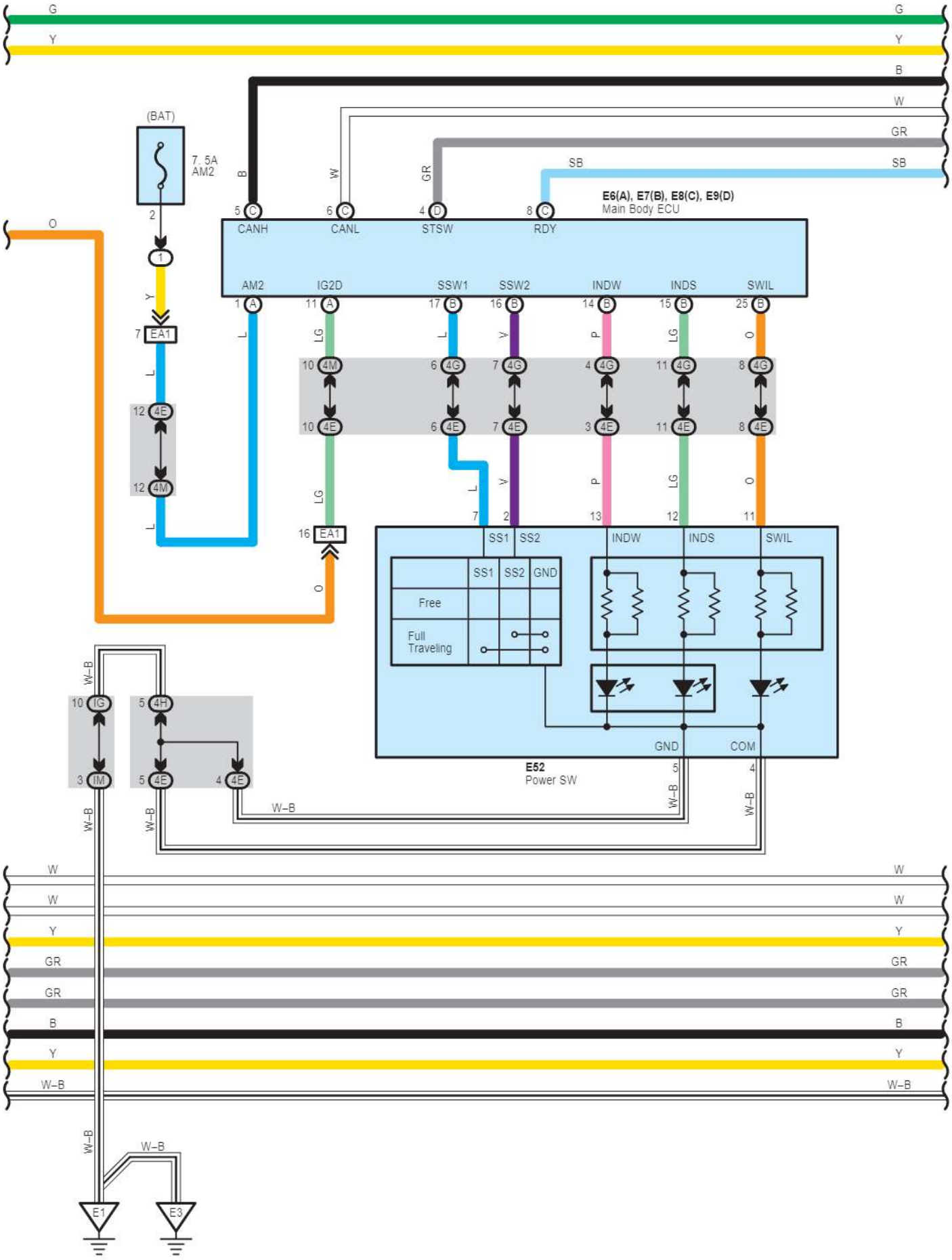
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)

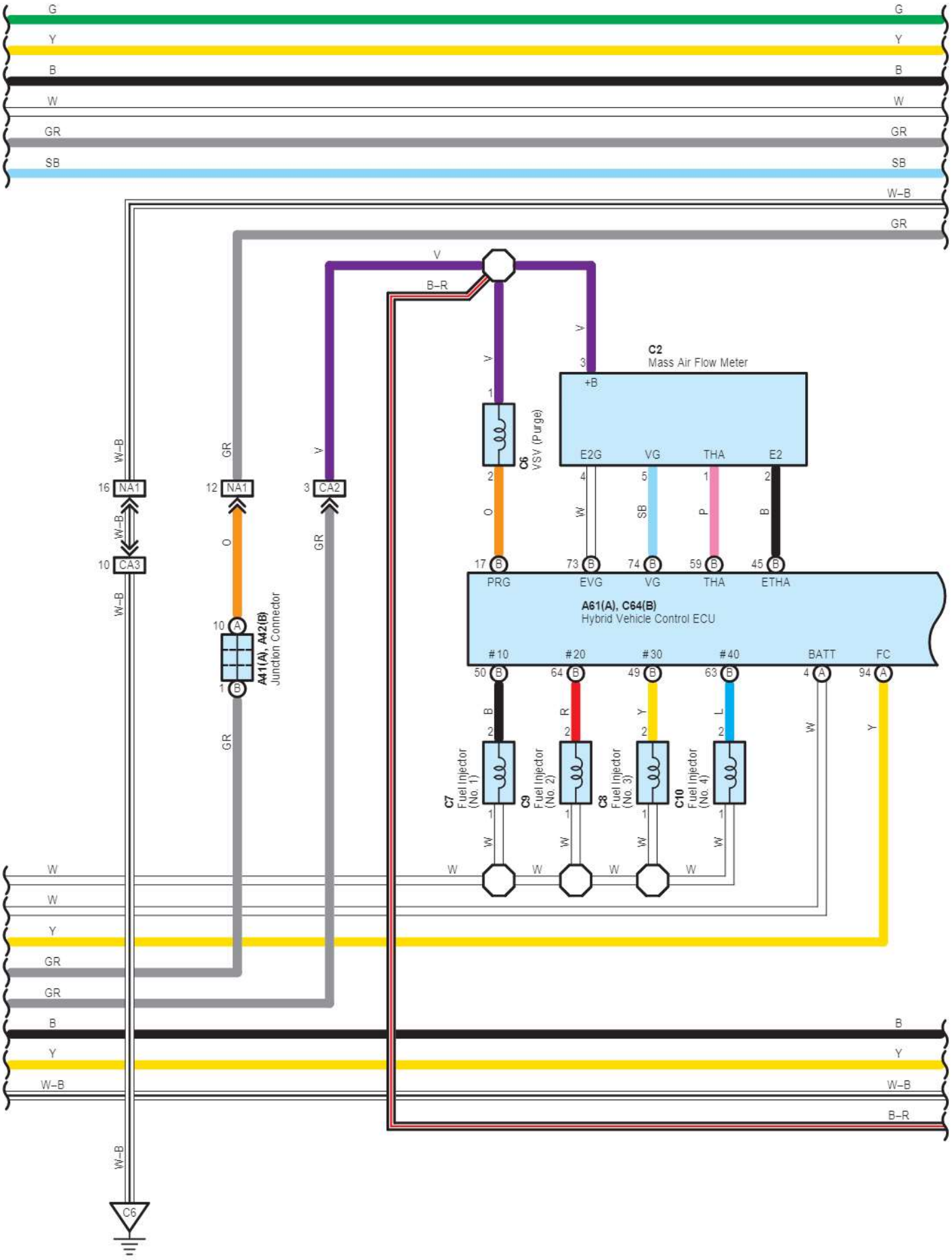
: Ground Points

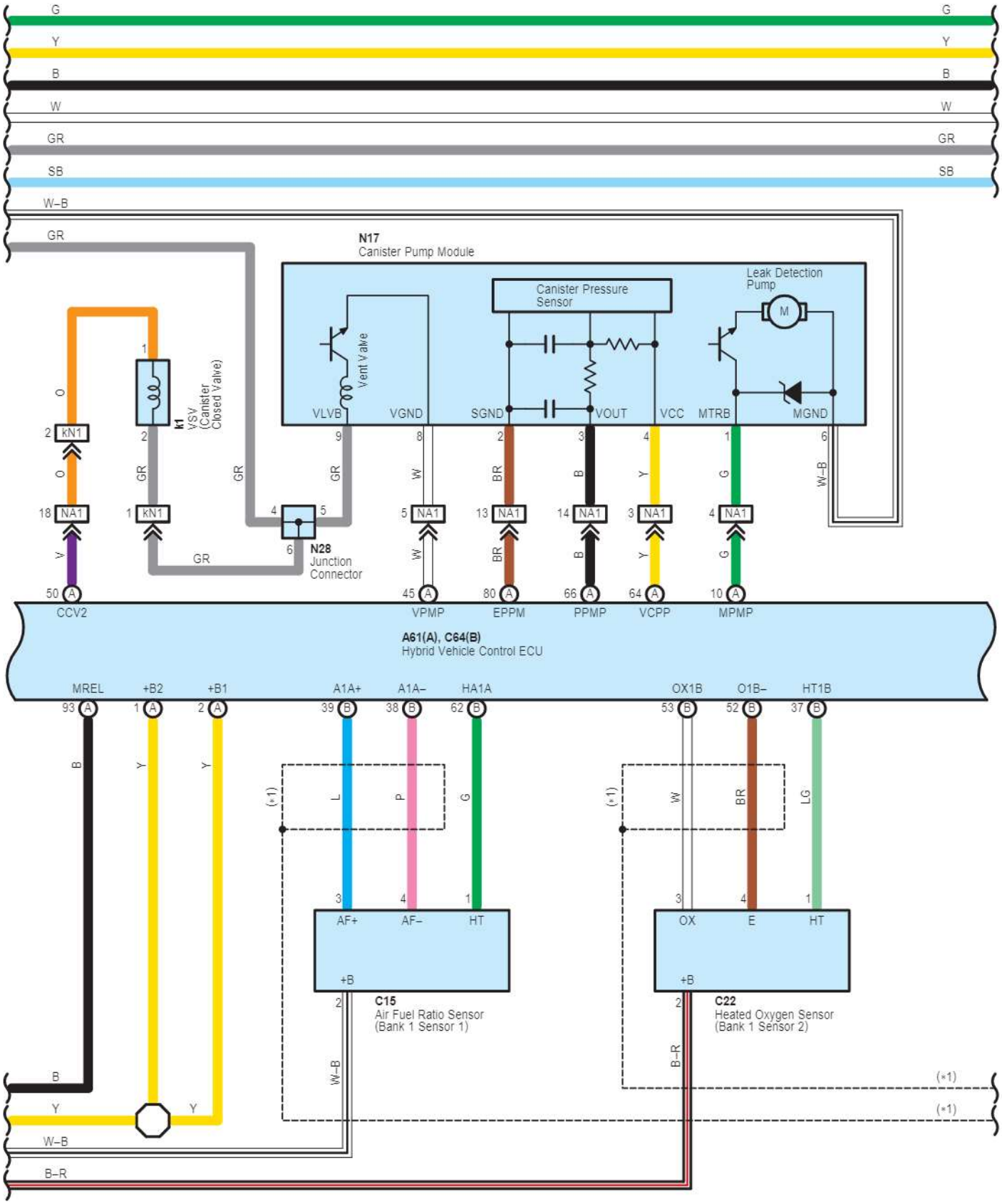
Code	See Page	Ground Points Location
A1	62	Front Left Fender
A3	63	Left Cowl Side Panel
C4	62	Cylinder Block

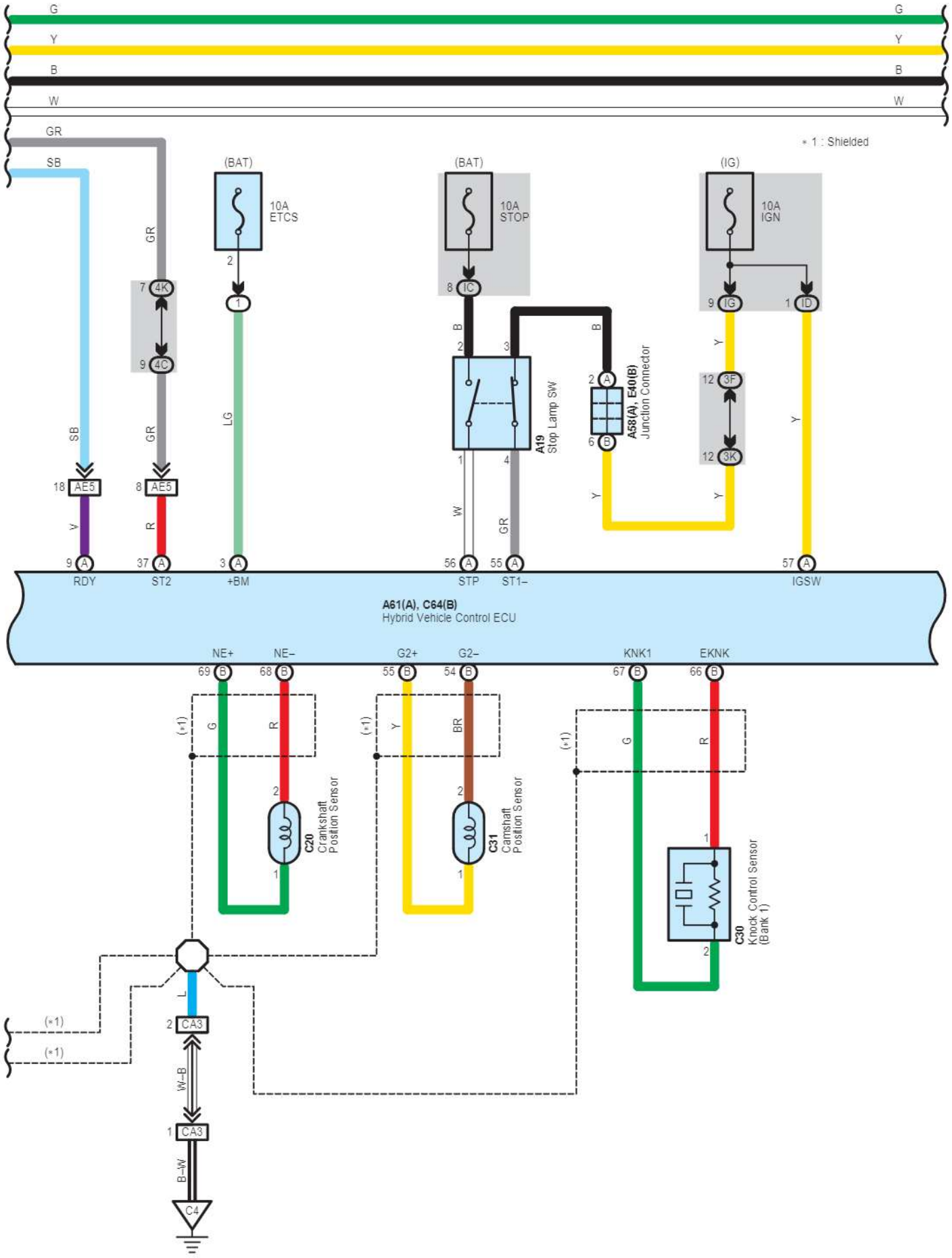

(BAT)
30A
EFI MAIN
(IG)
10A
IGN
EFI
Relay
C/OPN
Relay
A58(A), E40(B)
Junction Connector
10A
EFI
NO. 3
A41(A), A42(B)
Junction Connector
N10
Fuel Suction Pump and Gage Assembly
Pump
CA2
NA1
A2
A3
A1
N1
L
B
BR
G
GR
Y
LG
W-B

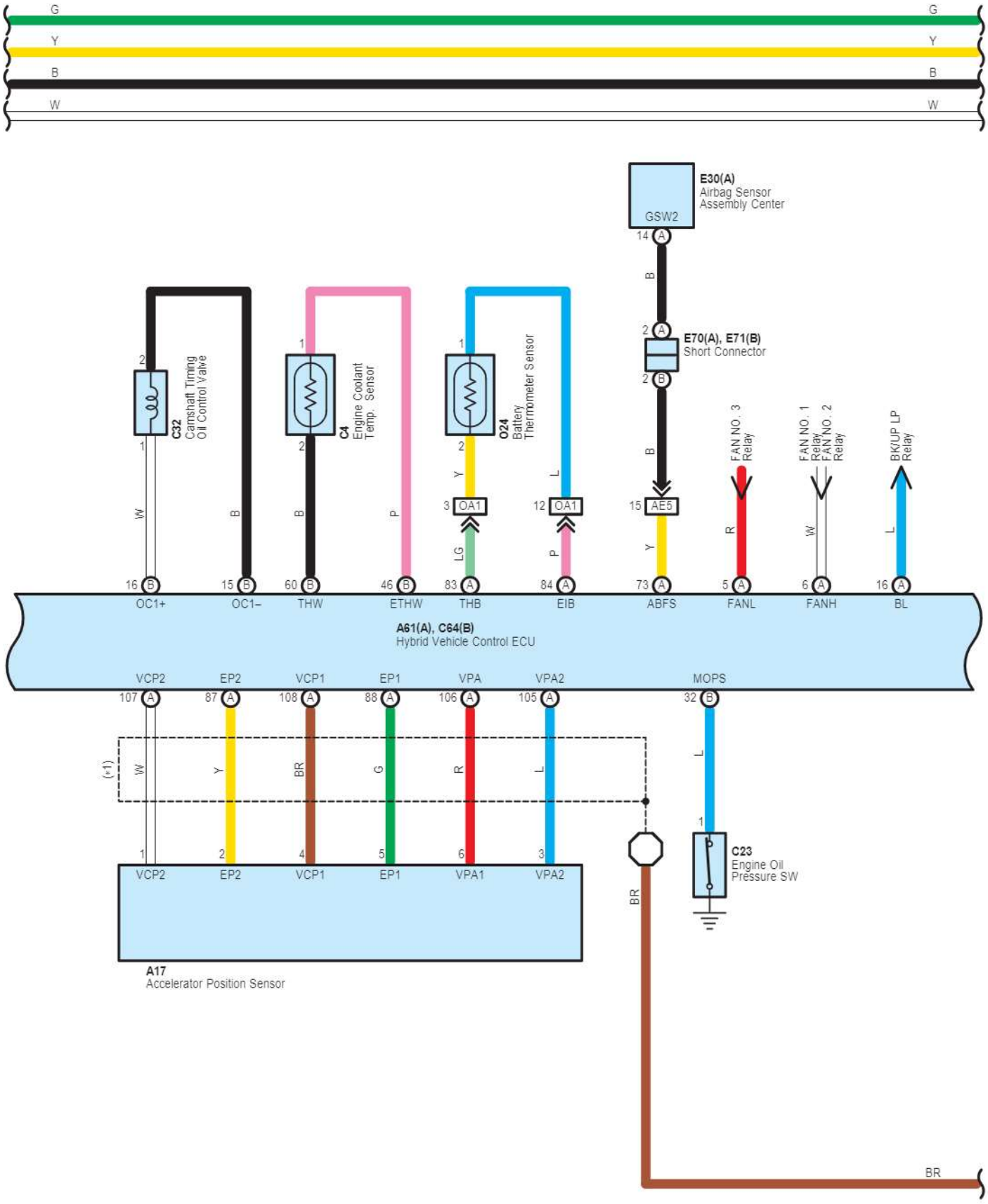

(BAT)
30A
IGCT
2
1
W
W
W–B
1
1
5
2
IGCT
Relay
3
1
1
1
Y
B
Y
Y
1
1
10A
IGCT
No. 2
2
1
G
G
(BAT)
20A
IG2
2
1
G
Y
O
Y
O
1
1
1
5
IG2
Relay
2
3
1
1
BR
B
2
CA1
W
Y
W
W
Y
GR
GR
GR
G
B
Y
Y
W–B
W–B
W–B
BR

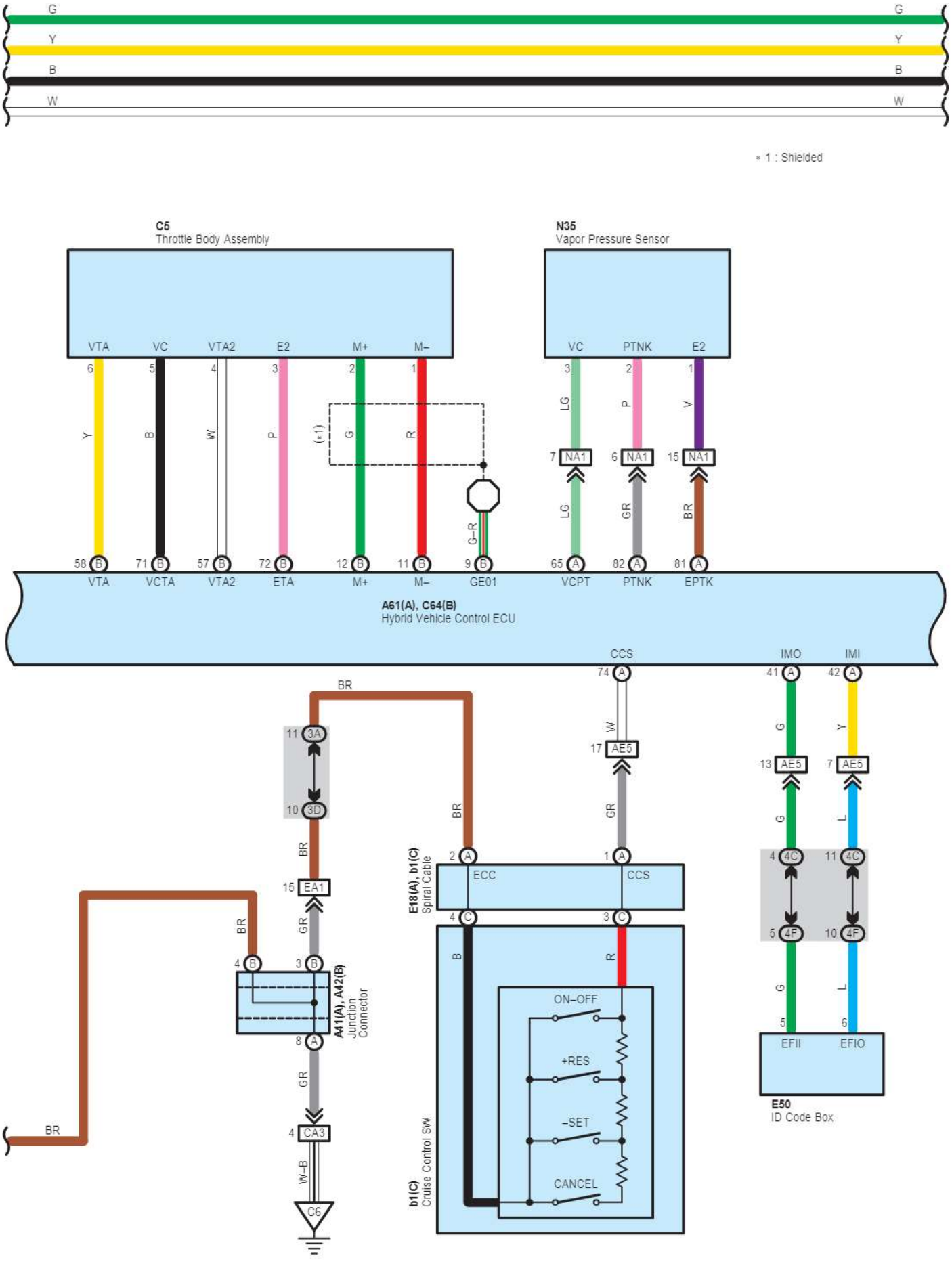

G
Y
B
W
GR
SB
(BAT)
7.5A
AM2
E6(A), E7(B), E8(C), E9(D)
Main Body ECU
CANH
CANL
STSW
RDY
AM2
IG2D
SSW1
SSW2
INDW
INDS
SWIL
O
L
LG
P
EA1
4M
4G
4E
SS1
SS2
GND
Free
Full
Traveling
E52
Power SW
COM
W-B
IG
IM
4H
E1
E3

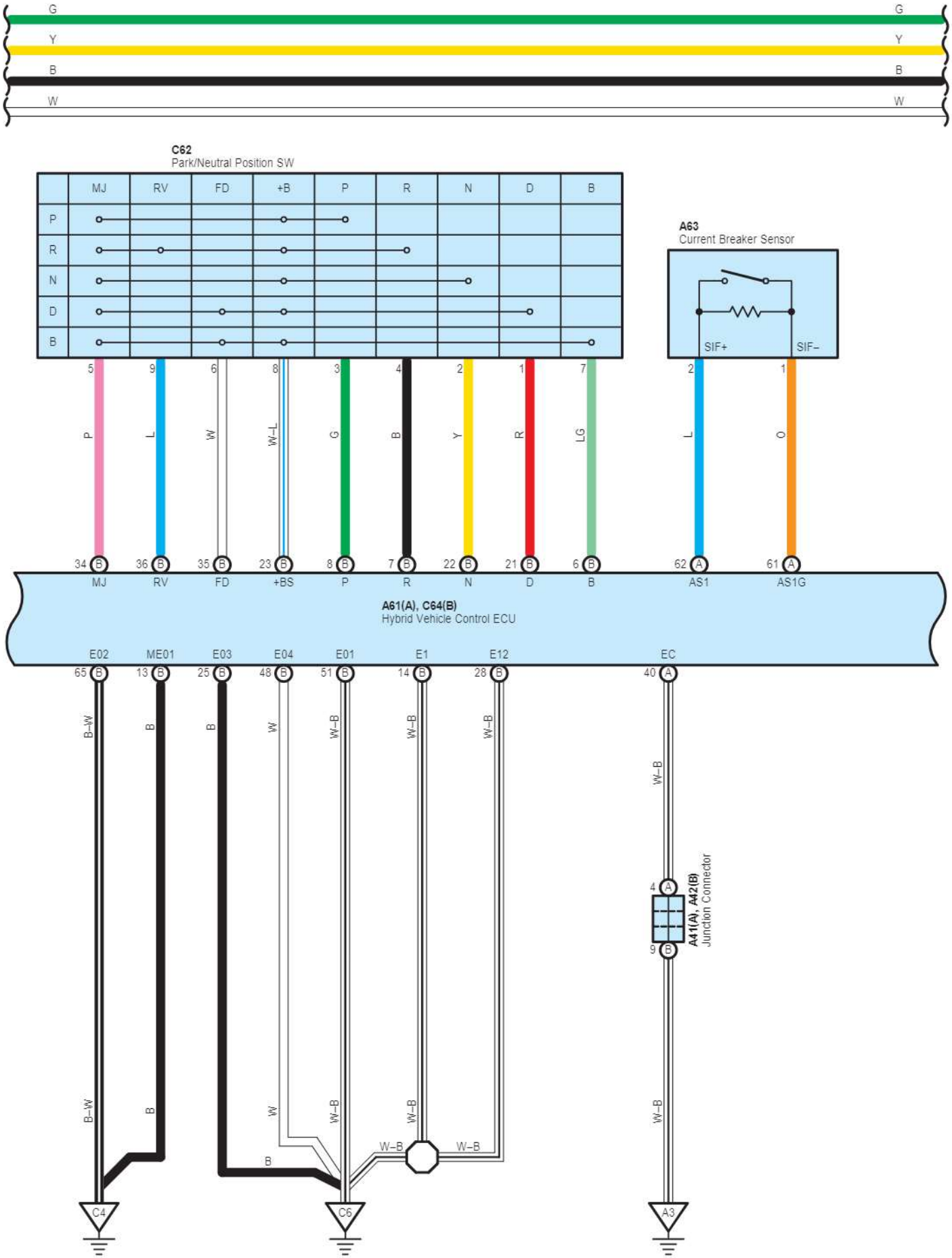

G
Y
B
W
GR
SB
W–B
GR
V
B–R
C2
Mass Air Flow Meter
+B
E2G
VG
THA
E2
C5
VSV (Purge)
16 NA1
12 NA1
3 CA2
10 CA3
10 A
1 B
A41(A), A42(B)
Junction Connector
17 B
PRG
73 B
EVG
74 B
VG
59 B
THA
45 B
ETHA
A61(A), C64(B)
Hybrid Vehicle Control ECU
#10
#20
#30
#40
BATT
FC
50 B
64 B
49 B
63 B
4 A
94 A
C7
Fuel Injector (No. 1)
C9
Fuel Injector (No. 2)
C8
Fuel Injector (No. 3)
C10
Fuel Injector (No. 4)
C6

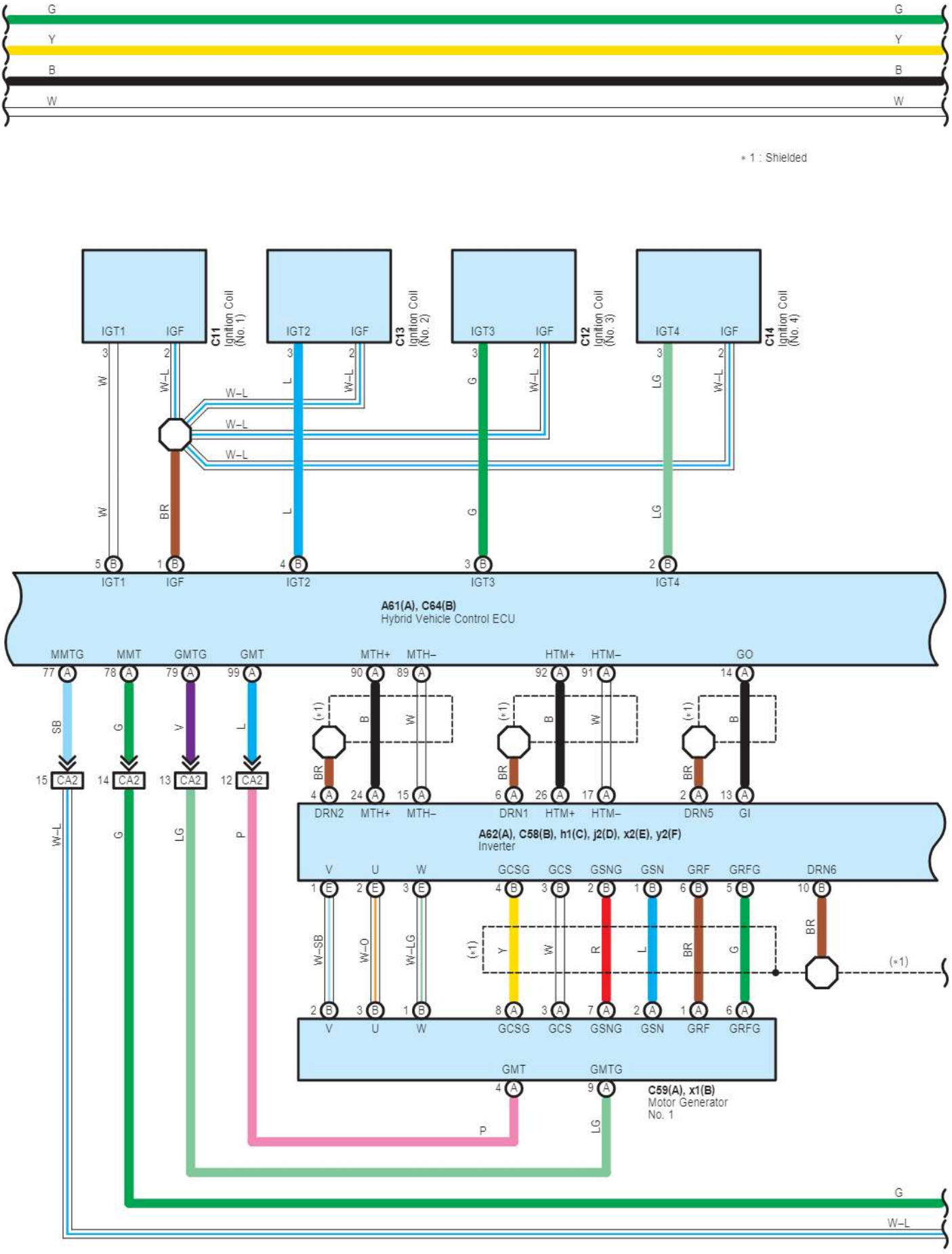

G
Y
B
W
GR
SB
W–B
N17
Canister Pump Module
Canister Pressure Sensor
Leak Detection Pump
Vent Valve
VLVB
VGND
SGND
VOUT
VCC
MTRB
MGND
M
VSV (Canister Closed Valve)
N28
Junction Connector
CCV2
VPMP
EPPM
PPMP
VCPP
MPMP
A61(A), C64(B)
Hybrid Vehicle Control ECU
MREL
+B2
+B1
A1A+
A1A–
HA1A
OX1B
O1B–
HT1B
AF+
AF–
HT
OX
E
C15
Air Fuel Ratio Sensor (Bank 1 Sensor 1)
C22
Heated Oxygen Sensor (Bank 1 Sensor 2)
(*1)


G
Y
B
W
GR
SB
* 1 : Shielded
(BAT)
10A ETCS
(BAT)
10A STOP
(IG)
10A IGN
A19 Stop Lamp SW
A58(A), E40(B) Junction Connector
A61(A), C64(B) Hybrid Vehicle Control ECU
RDY
ST2
+BM
STP
ST1–
IGSW
NE+
NE–
G2+
G2–
KNK1
EKNK
C20 Crankshaft Position Sensor
C31 Camshaft Position Sensor
C30 Knock Control Sensor (Bank 1)
CA3
C4

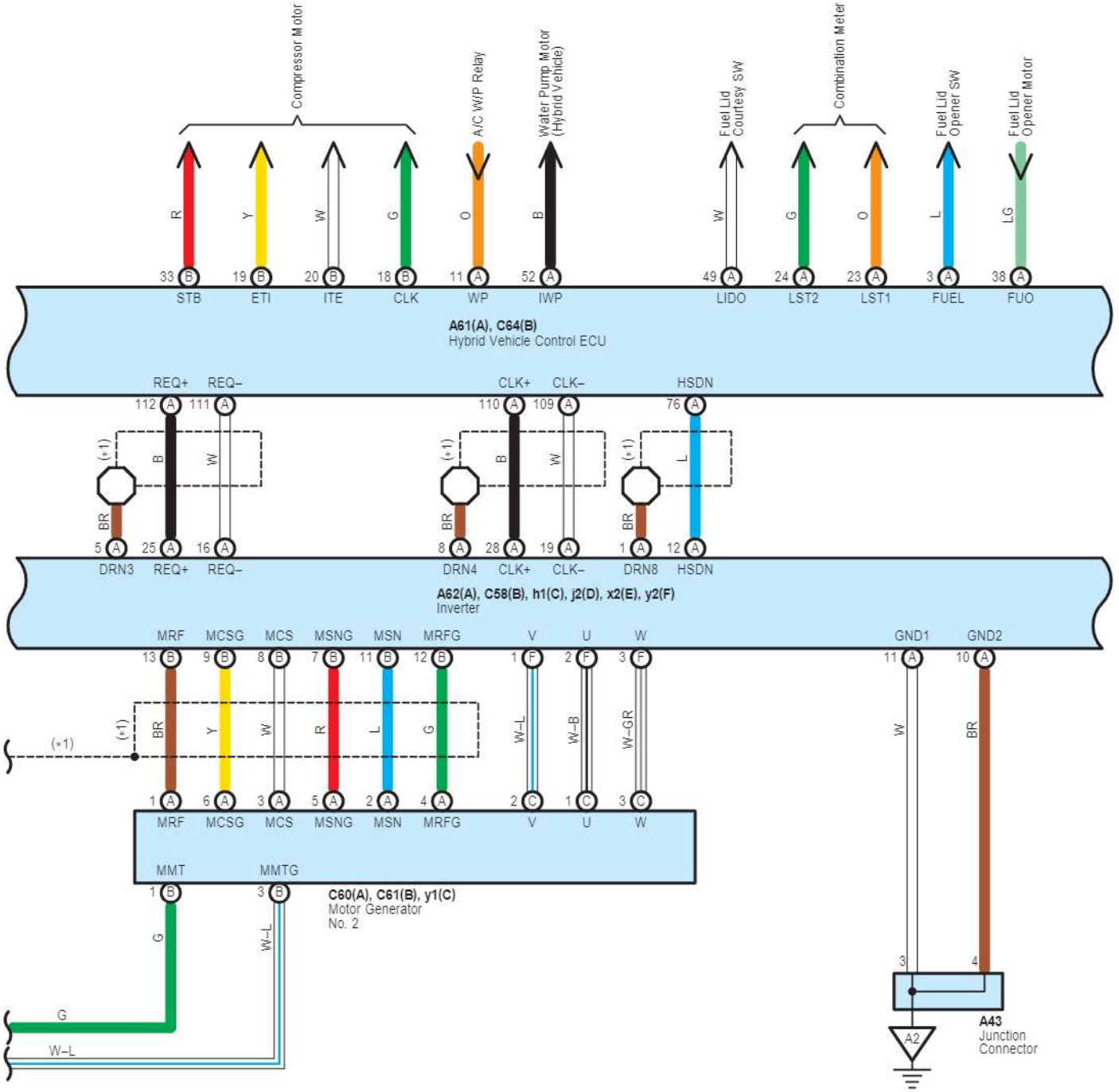

G
Y
B
W
E30(A)
Airbag Sensor
Assembly Center
GSW2
14 A
E70(A), E71(B)
Short Connector
2 A
2 B
15 AE5
C32
Camshaft Timing
Oil Control Valve
C4
Engine Coolant
Temp. Sensor
O24
Battery
Thermometer Sensor
3 OA1
12 OA1
FAN NO. 3
Relay
FAN NO. 1
Relay
FAN NO. 2
Relay
BK/UP LP
Relay
16 B
15 B
60 B
46 B
83 A
84 A
73 A
5 A
6 A
16 A
OC1+
OC1–
THW
ETHW
THB
EIB
ABFS
FANL
FANH
BL
A61(A), C64(B)
Hybrid Vehicle Control ECU
VCP2
EP2
VCP1
EP1
VPA
VPA2
MOPS
107 A
87 A
108 A
88 A
106 A
105 A
32 B
(+1)
C23
Engine Oil
Pressure SW
VCP2
EP2
VCP1
EP1
VPA1
VPA2
A17
Accelerator Position Sensor
BR
BR

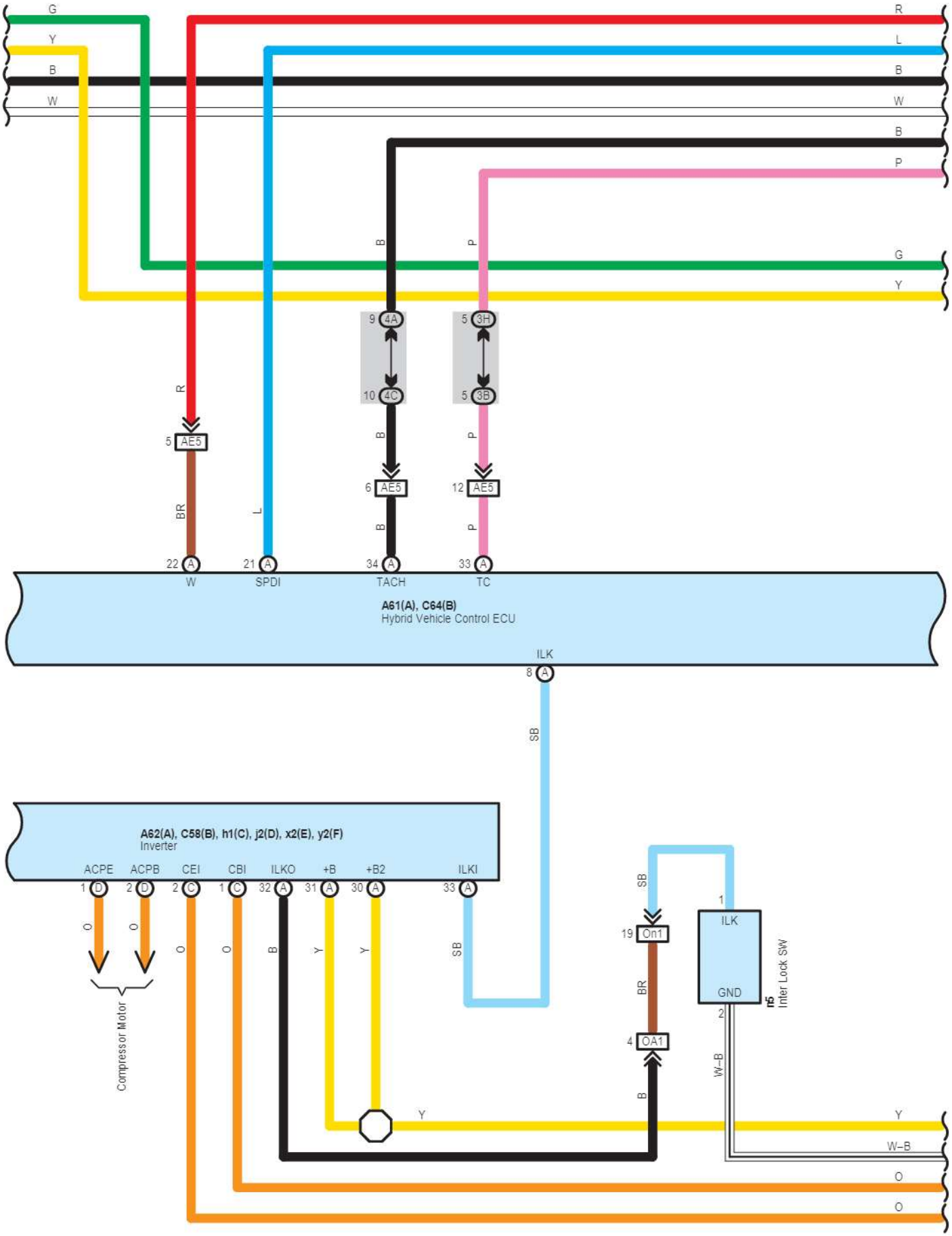

G
Y
B
W
* 1 : Shielded
C5
Throttle Body Assembly
VTA
VC
VTA2
E2
M+
M–
N35
Vapor Pressure Sensor
PTNK
(*1)
G–R
NA1
A61(A), C64(B)
Hybrid Vehicle Control ECU
VCTA
ETA
VCPT
EPTK
CCS
IMO
IMI
3A
3D
EA1
A41(A), A42(B)
Junction Connector
CA3
C6
E18(A), b1(C)
Spiral Cable
ECC
AE5
4C
4F
EFII
EFIO
E50
ID Code Box
b1(C)
Cruise Control SW
ON–OFF
+RES
–SET
CANCEL

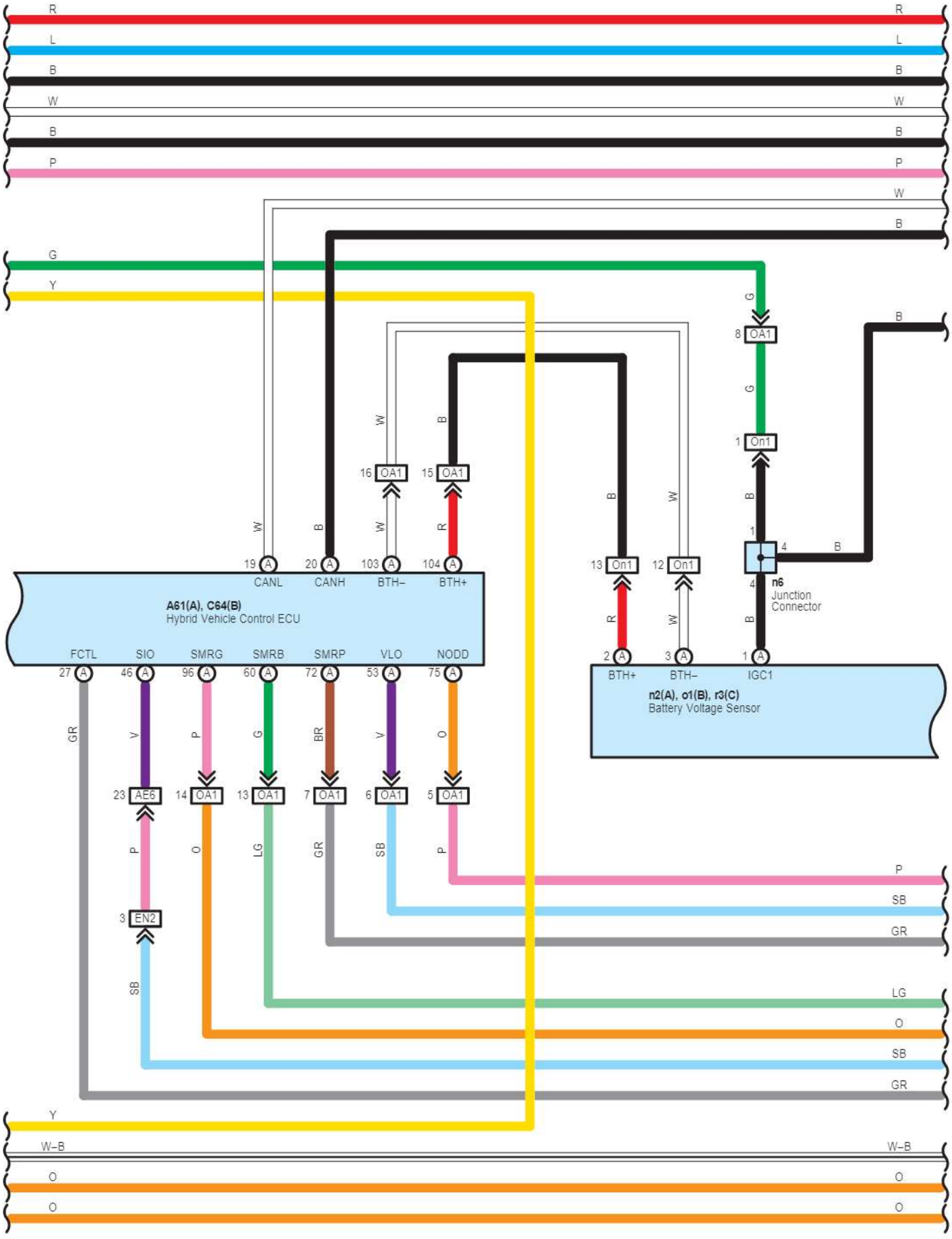

G
Y
B
W
G
Y
B
W
C62
Park/Neutral Position SW
MJ
RV
FD
+B
P
R
N
D
B
P
R
N
D
B
A63
Current Breaker Sensor
SIF+
SIF–
5 P
9 L
6 W
8 W–L
3 G
4 B
2 Y
1 R
7 LG
2 L
1 O
34 B MJ
36 B RV
35 B FD
23 B +BS
8 B P
7 B R
22 B N
21 B D
6 B B
62 A AS1
61 A AS1G
A61(A), C64(B)
Hybrid Vehicle Control ECU
E02
ME01
E03
E04
E01
E1
E12
EC
65 B
13 B
25 B
48 B
51 B
14 B
28 B
40 A
B–W
B
B
W
W–B
W–B
W–B
W–B
W–B
W–B
W–B
W–B
B
4 A
9 B
A41(A), A42(B)
Junction Connector
C4
C6
A3

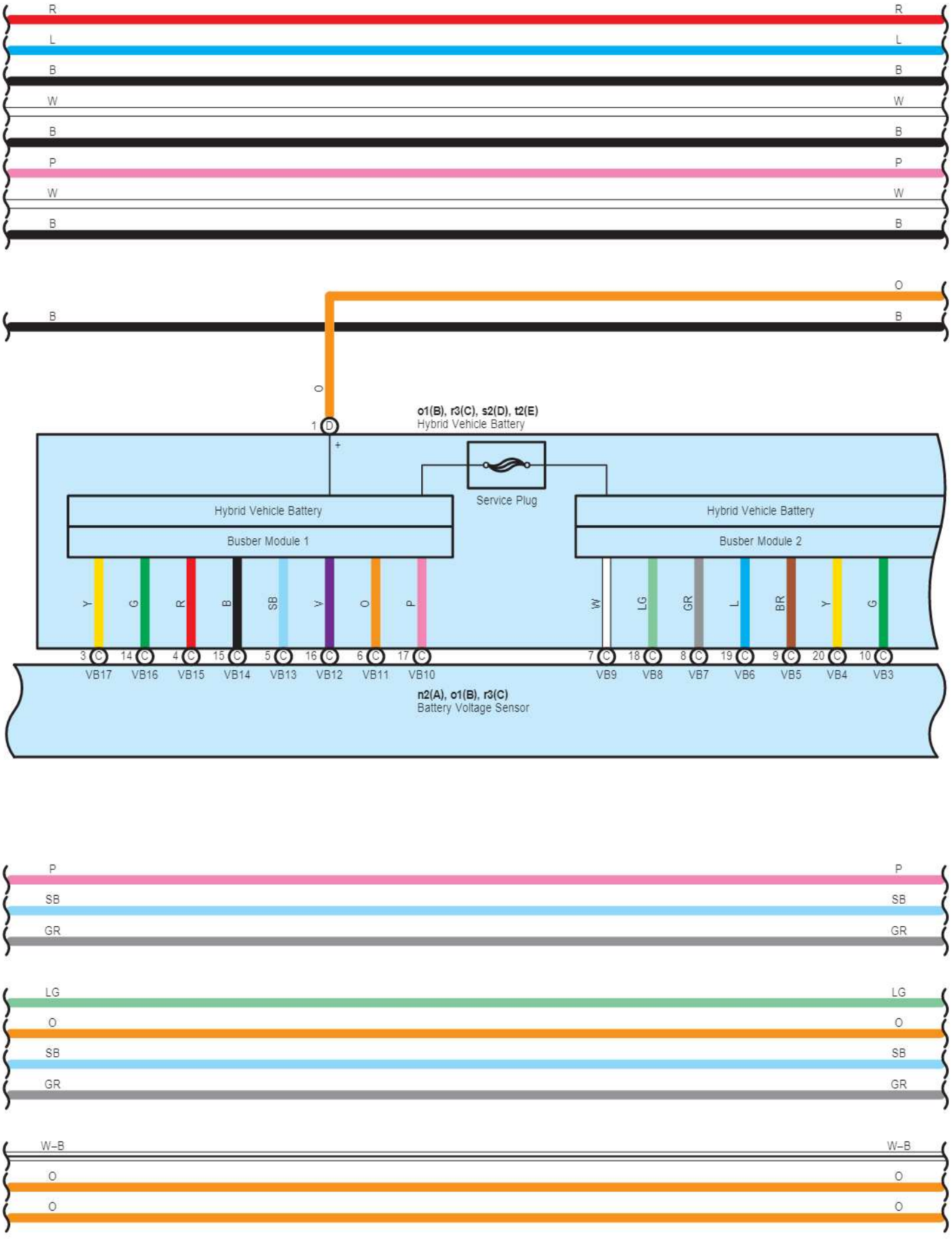

G
Y
B
W
* 1 : Shielded
IGT1
IGF
C11
Ignition Coil
(No. 1)
IGT2
IGF
C13
Ignition Coil
(No. 2)
IGT3
IGF
C12
Ignition Coil
(No. 3)
IGT4
IGF
C14
Ignition Coil
(No. 4)
A61(A), C64(B)
Hybrid Vehicle Control ECU
MMTG
MMT
GMTG
GMT
MTH+
MTH−
HTM+
HTM−
GO
A62(A), C58(B), h1(C), j2(D), x2(E), y2(F)
Inverter
V
U
W
GCSG
GCS
GSNG
GSN
GRF
GRFG
DRN6
DRN2
DRN1
DRN5
GI
C59(A), x1(B)
Motor Generator
No. 1
CA2
W–L

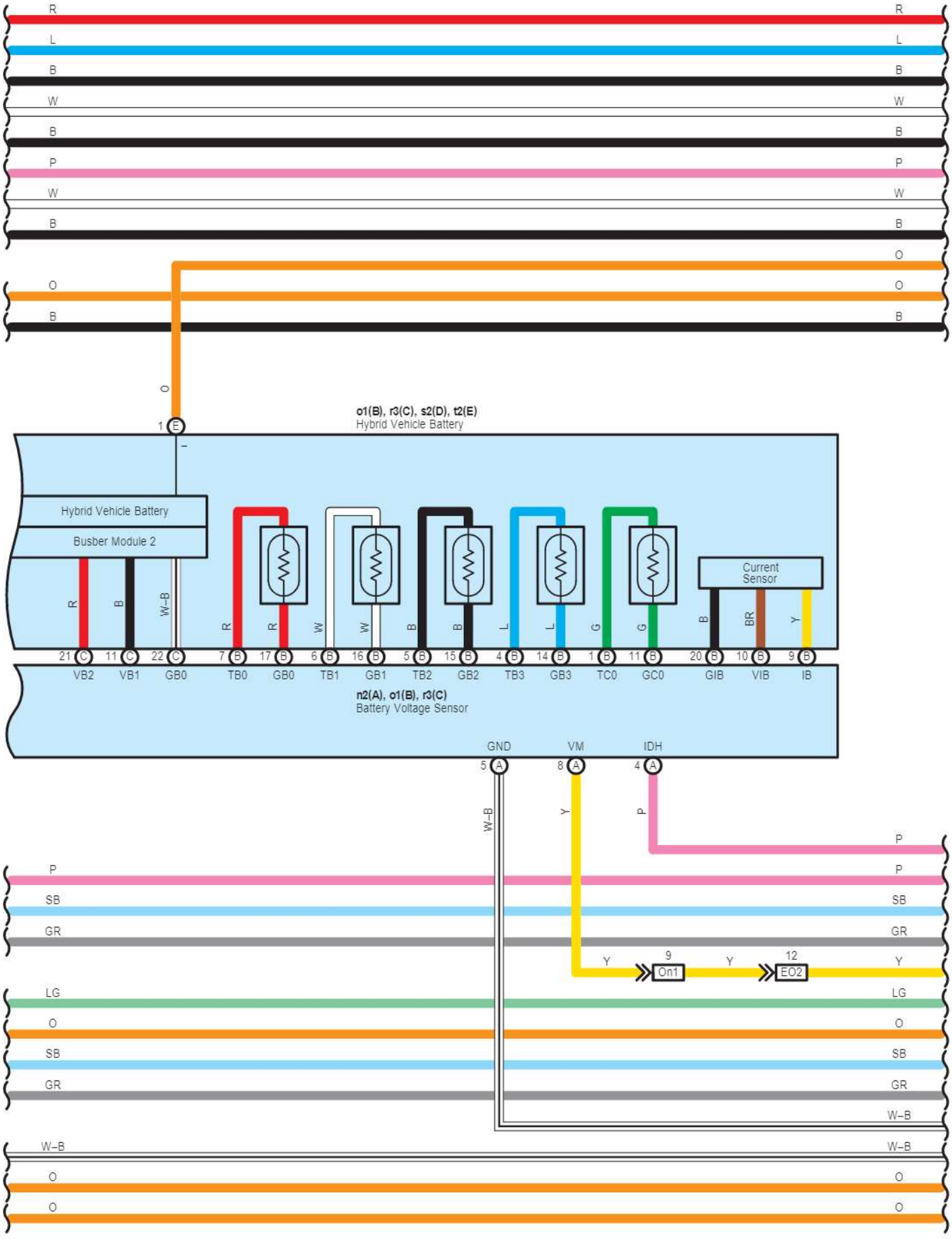

G
Y
B
W
G
Y
B
W

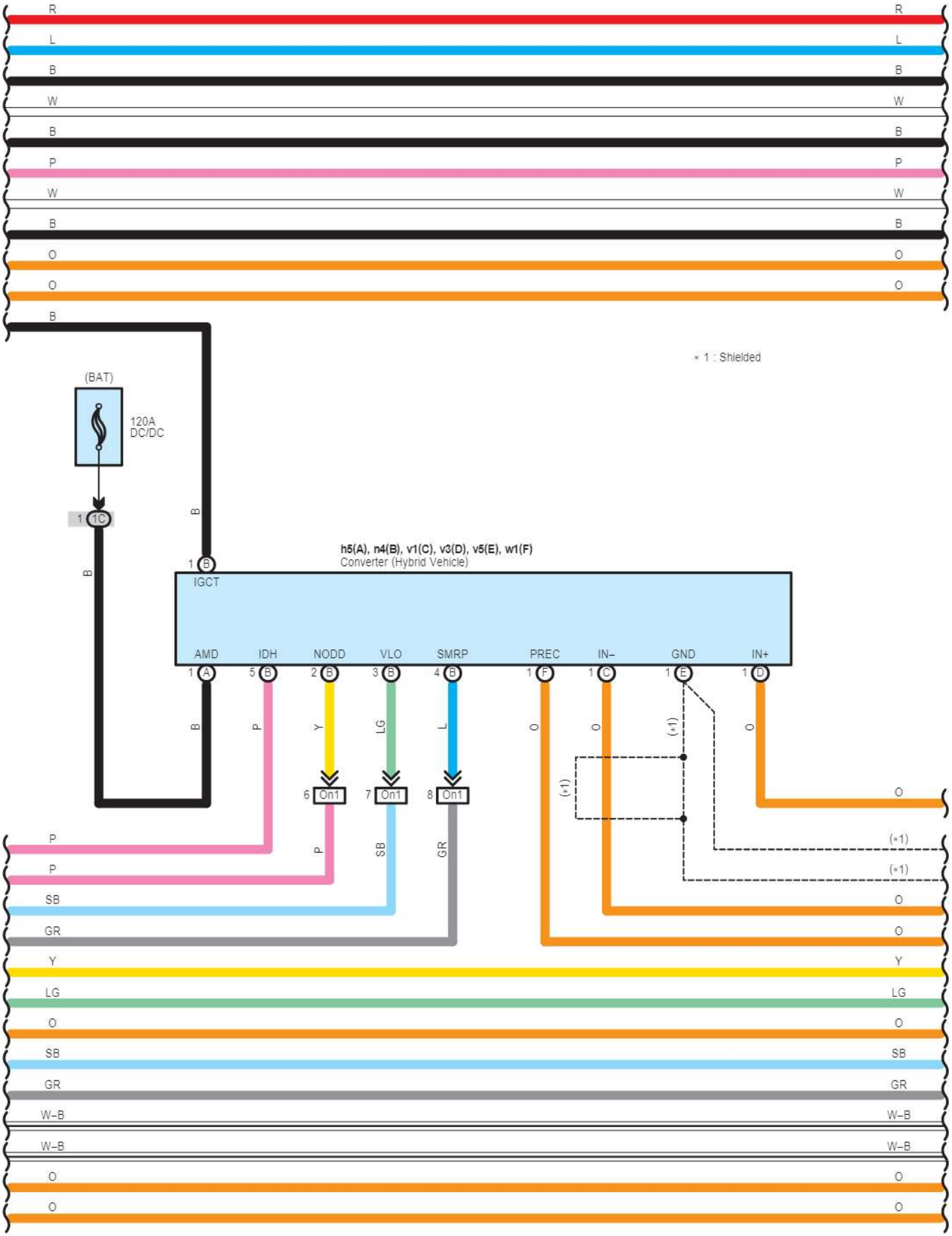

Compressor Motor
A/C W/P Relay
Water Pump Motor (Hybrid Vehicle)
Fuel Lid Courtesy SW
Combination Meter
Fuel Lid Opener SW
Fuel Lid Opener Motor
R
Y
W
G
O
B
W
G
O
L
LG
33 B STB
19 B ETI
20 B ITE
18 B CLK
11 A WP
52 A IWP
49 A LIDO
24 A LST2
23 A LST1
3 A FUEL
38 A FUO
A61(A), C64(B)
Hybrid Vehicle Control ECU
REQ+
REQ−
CLK+
CLK−
HSDN
112 A
111 A
110 A
109 A
76 A
(*1)
B
W
L
BR
5 A DRN3
25 A REQ+
16 A REQ−
8 A DRN4
28 A CLK+
19 A CLK−
1 A DRN8
12 A HSDN
A62(A), C58(B), h1(C), j2(D), x2(E), y2(F)
Inverter
MRF
MCSG
MCS
MSNG
MSN
MRFG
V
U
W
GND1
GND2
13 B
9 B
8 B
7 B
11 B
12 B
1 F
2 F
3 F
11 A
10 A
(*1)
BR
Y
W
R
L
G
W–L
W–B
W–GR
W
BR
1 A MRF
6 A MCSG
3 A MCS
5 A MSNG
2 A MSN
4 A MRFG
2 C V
1 C U
3 C W
MMT
MMTG
1 B
3 B
C60(A), C61(B), y1(C)
Motor Generator
No. 2
G
W–L
3
4
A43
Junction Connector
A2

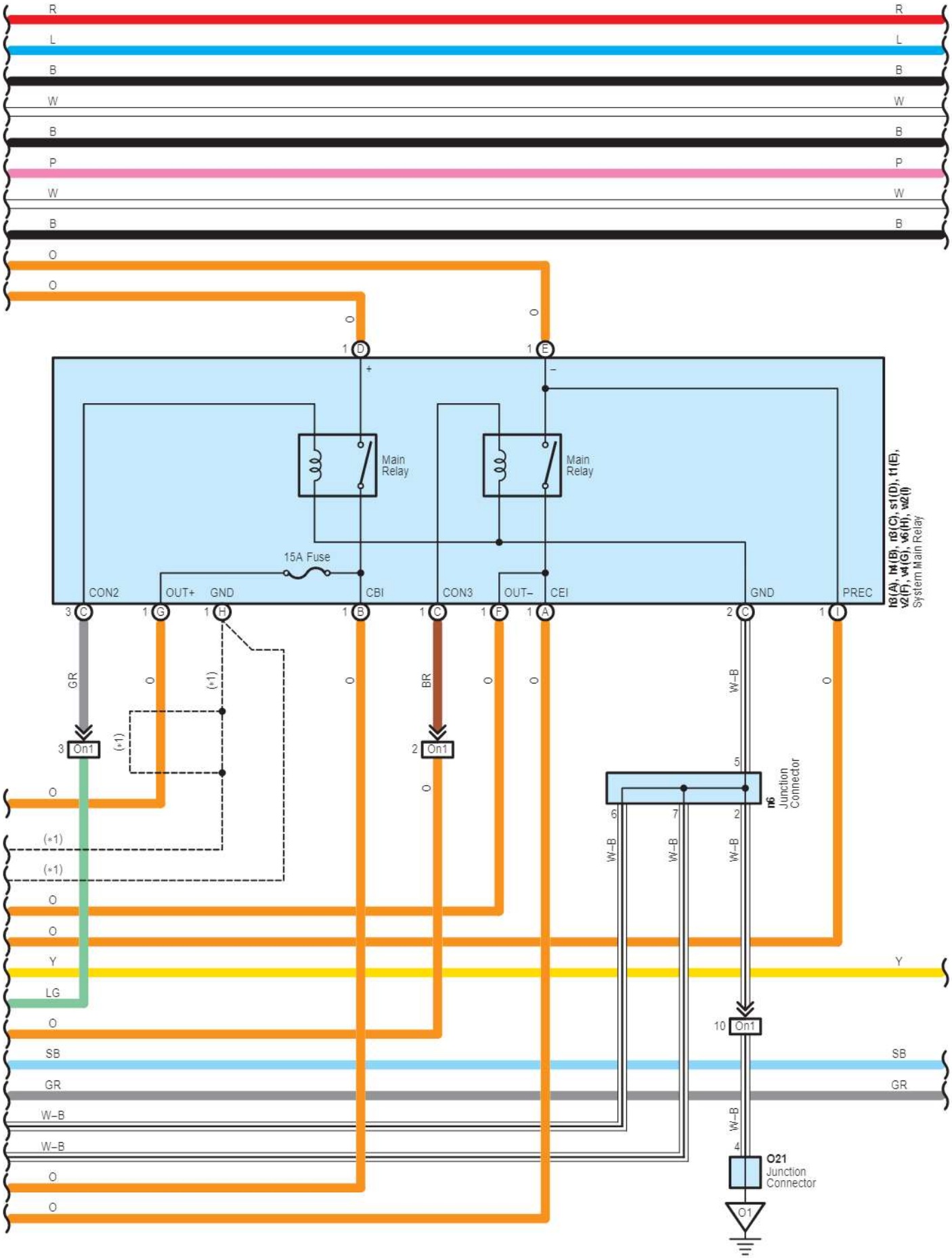

G
Y
B
W
R
L
B
W
B
P
G
Y
B
P
9 4A
10 4C
5 3H
5 3B
R
5 AE5
BR
22 A
W
L
21 A
SPDI
B
6 AE5
34 A
TACH
P
12 AE5
33 A
TC
A61(A), C64(B)
Hybrid Vehicle Control ECU
ILK
8 A
SB
A62(A), C58(B), h1(C), j2(D), x2(E), y2(F)
Inverter
ACPE
ACPB
CEI
CBI
ILKO
+B
+B2
ILKI
1 D
2 D
2 C
1 C
32 A
31 A
30 A
33 A
O
O
O
O
B
Y
Y
SB
Compressor Motor
SB
19 On1
BR
4 OA1
B
1
ILK
GND
2
Inter Lock SW
W-B
Y
Y
W-B
O
O

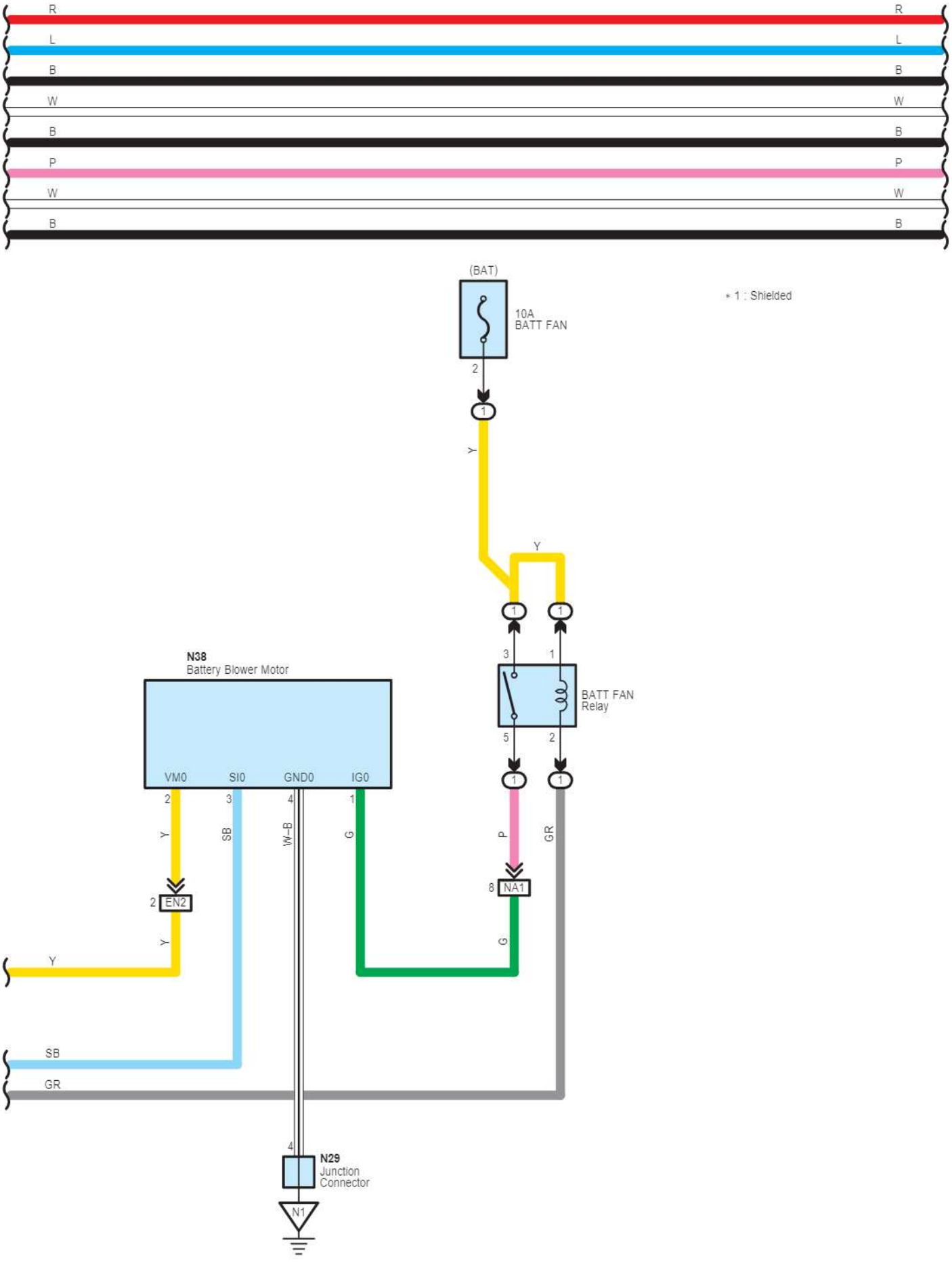

R
L
B
W
B
P
W
B
G
Y
G
8 OA1
G
1 On1
B
1
4
B
4
n6
Junction
Connector
B
1 A
IGC1
W
B
16 OA1
15 OA1
19 A
CANL
20 A
CANH
103 A
BTH−
104 A
BTH+
A61(A), C64(B)
Hybrid Vehicle Control ECU
FCTL
SIO
SMRG
SMRB
SMRP
VLO
NODD
27 A
46 A
96 A
60 A
72 A
53 A
75 A
GR
V
P
G
BR
V
O
23 AE6
14 OA1
13 OA1
7 OA1
6 OA1
5 OA1
P
O
LG
GR
SB
P
3 EN2
SB
13 On1
12 On1
R
W
2 A
3 A
BTH+
BTH−
n2(A), o1(B), r3(C)
Battery Voltage Sensor
P
SB
GR
LG
O
SB
GR
Y
W−B
O
O
W−B
O
O


R
L
B
W
B
P
W
B
O
o1(B), r3(C), s2(D), t2(E)
Hybrid Vehicle Battery
1 D
+
Service Plug
Hybrid Vehicle Battery
Busber Module 1
Hybrid Vehicle Battery
Busber Module 2
Y
G
R
B
SB
V
O
P
W
LG
GR
L
BR
Y
G
3 C VB17
14 C VB16
4 C VB15
15 C VB14
5 C VB13
16 C VB12
6 C VB11
17 C VB10
7 C VB9
18 C VB8
8 C VB7
19 C VB6
9 C VB5
20 C VB4
10 C VB3
n2(A), o1(B), r3(C)
Battery Voltage Sensor
P
SB
GR
LG
O
SB
GR
W–B
O
O

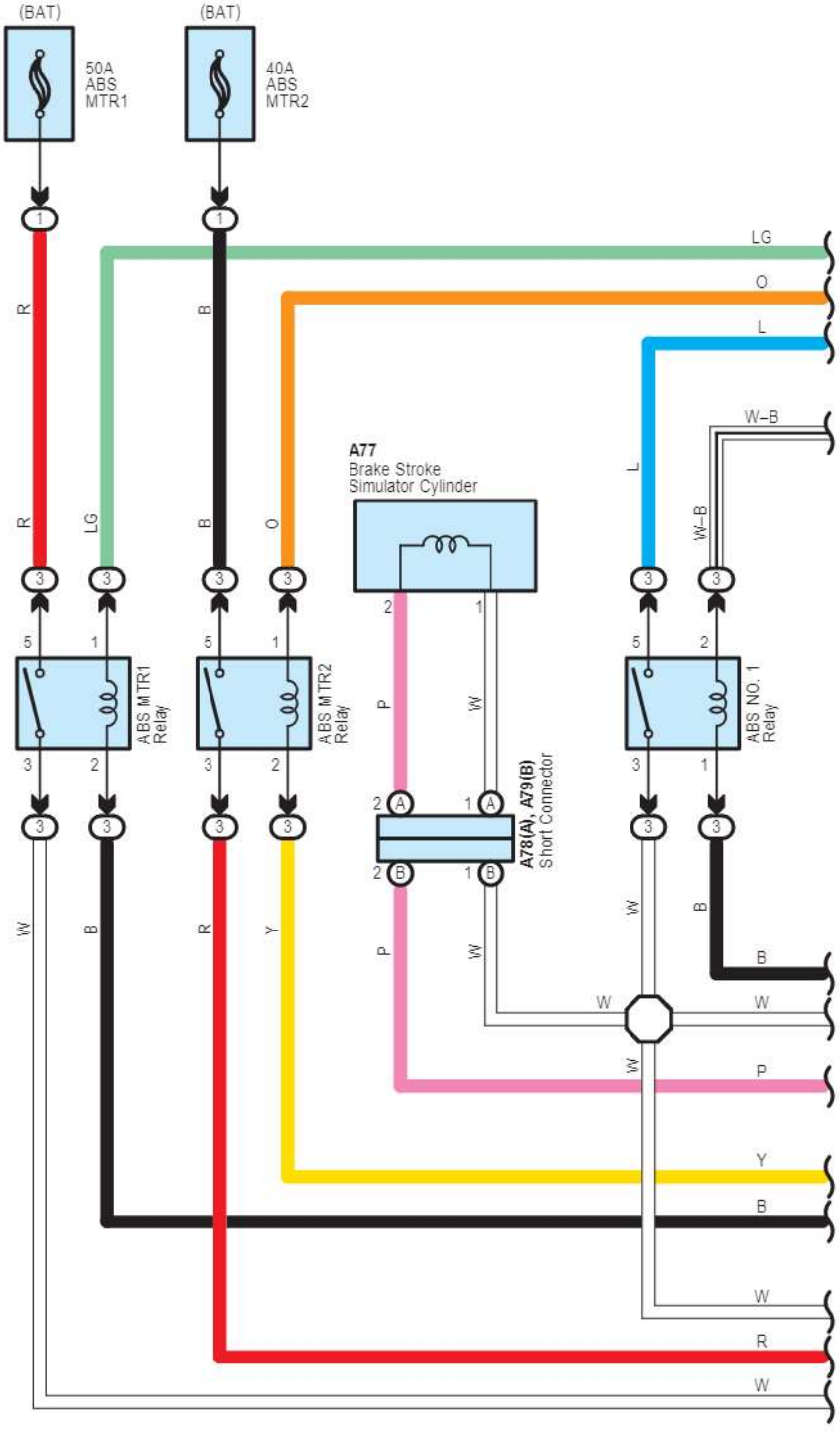

R
L
B
W
B
P
W
B
O
B
O
1 E
o1(B), r3(C), s2(D), t2(E)
Hybrid Vehicle Battery
Hybrid Vehicle Battery
Busber Module 2
Current Sensor
21 C VB2
11 C VB1
22 C GB0
7 B TB0
17 B GB0
6 B TB1
16 B GB1
5 B TB2
15 B GB2
4 B TB3
14 B GB3
1 B TC0
11 B GC0
20 B GIB
10 B VIB
9 B IB
n2(A), o1(B), r3(C)
Battery Voltage Sensor
GND
VM
IDH
5 A
8 A
4 A
W–B
Y
P
SB
GR
LG
9 On1
12 EO2


R
L
B
W
B
P
W
B
O
O
B
* 1 : Shielded
(BAT)
120A
DC/DC
1 1C
B
B
1 B
IGCT
h5(A), n4(B), v1(C), v3(D), v5(E), w1(F)
Converter (Hybrid Vehicle)
AMD
IDH
NODD
VLO
SMRP
PREC
IN−
GND
IN+
1 A
5 B
2 B
3 B
4 B
1 F
1 C
1 E
1 D
B
P
Y
LG
L
O
O
(*1)
O
6 On1
7 On1
8 On1
(*1)
O
(*1)
P
P
SB
GR
O
O
Y
LG
O
SB
GR
W−B
W−B
O
O

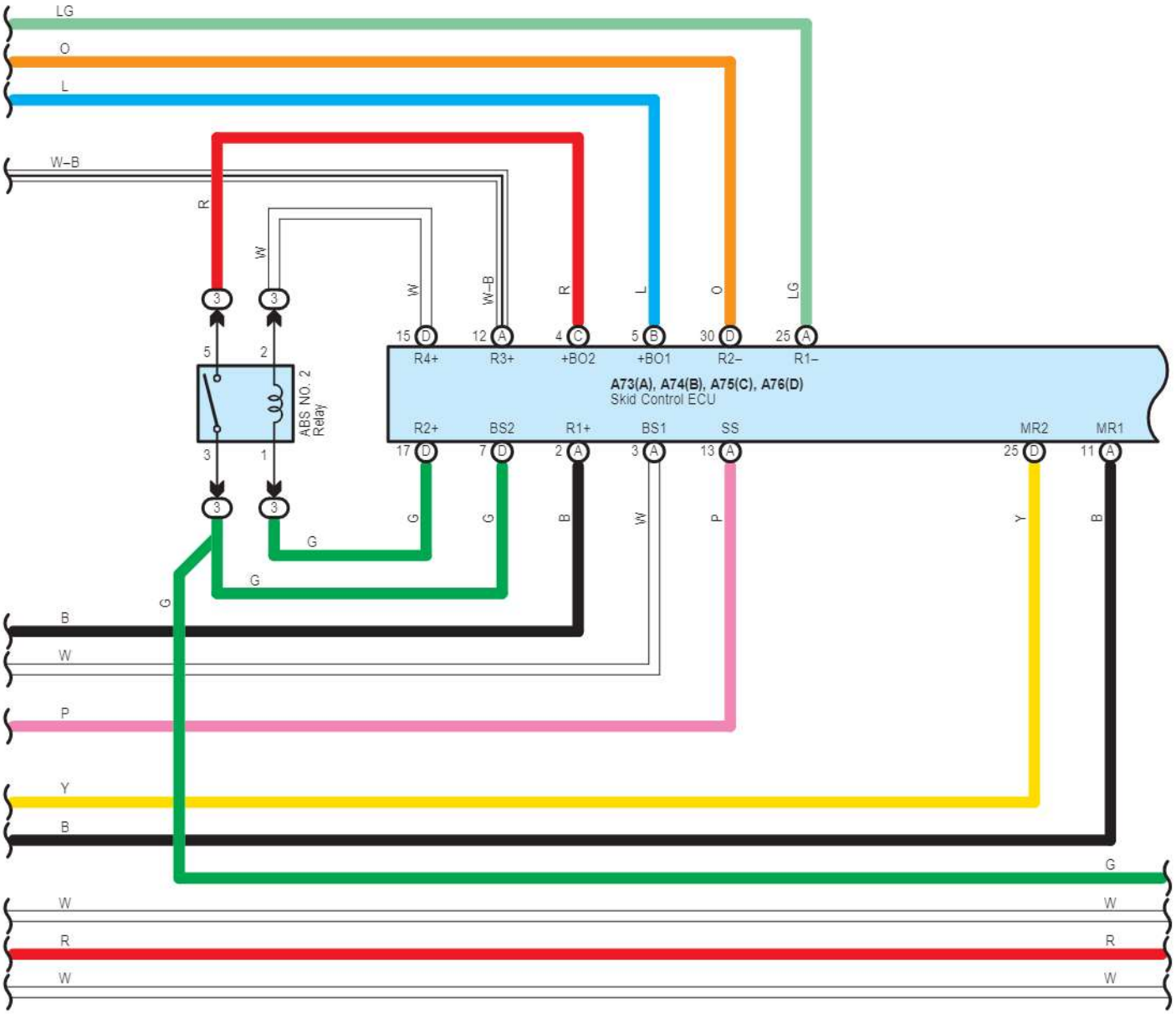

R
L
B
W
B
P
W
B
O
Main Relay
Main Relay
15A Fuse
CON2
OUT+
GND
CBI
CON3
OUT−
CEI
GND
PREC
I3(A), I4(B), I3(C), s1(D), 11(E), v2(F), v4(G), v6(H), w2(I)
System Main Relay
GR
BR
W−B
On1
(*1)
Y
LG
SB
GR
W−B
W−B
J6
Junction Connector
O21
Junction Connector
O1

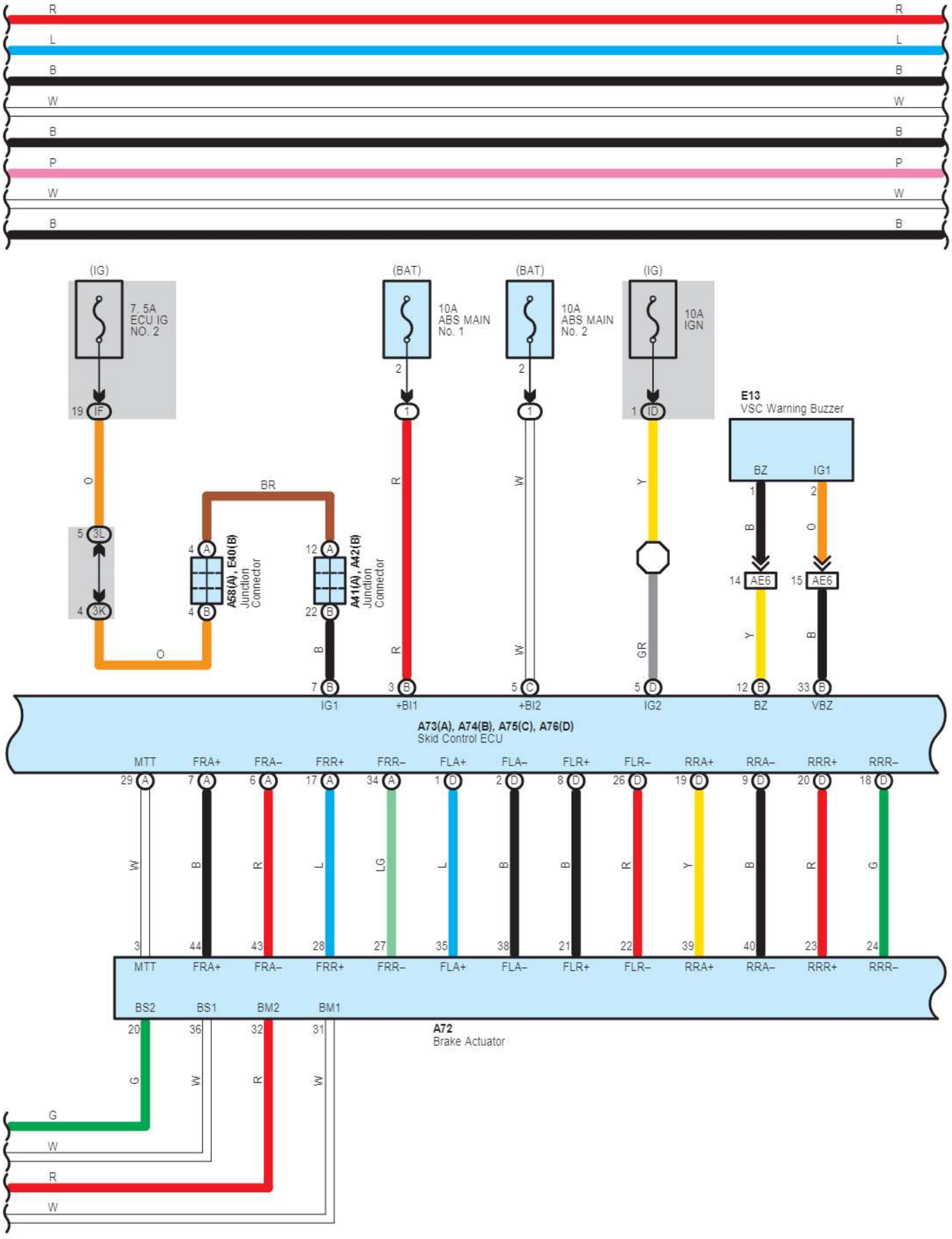

R
L
B
W
B
P
W
B
(BAT)
10A
BATT FAN
* 1 : Shielded
Y
BATT FAN
Relay
N38
Battery Blower Motor
VM0
SI0
GND0
IG0
P
GR
G
W-B
SB
EN2
NA1
N29
Junction
Connector
N1

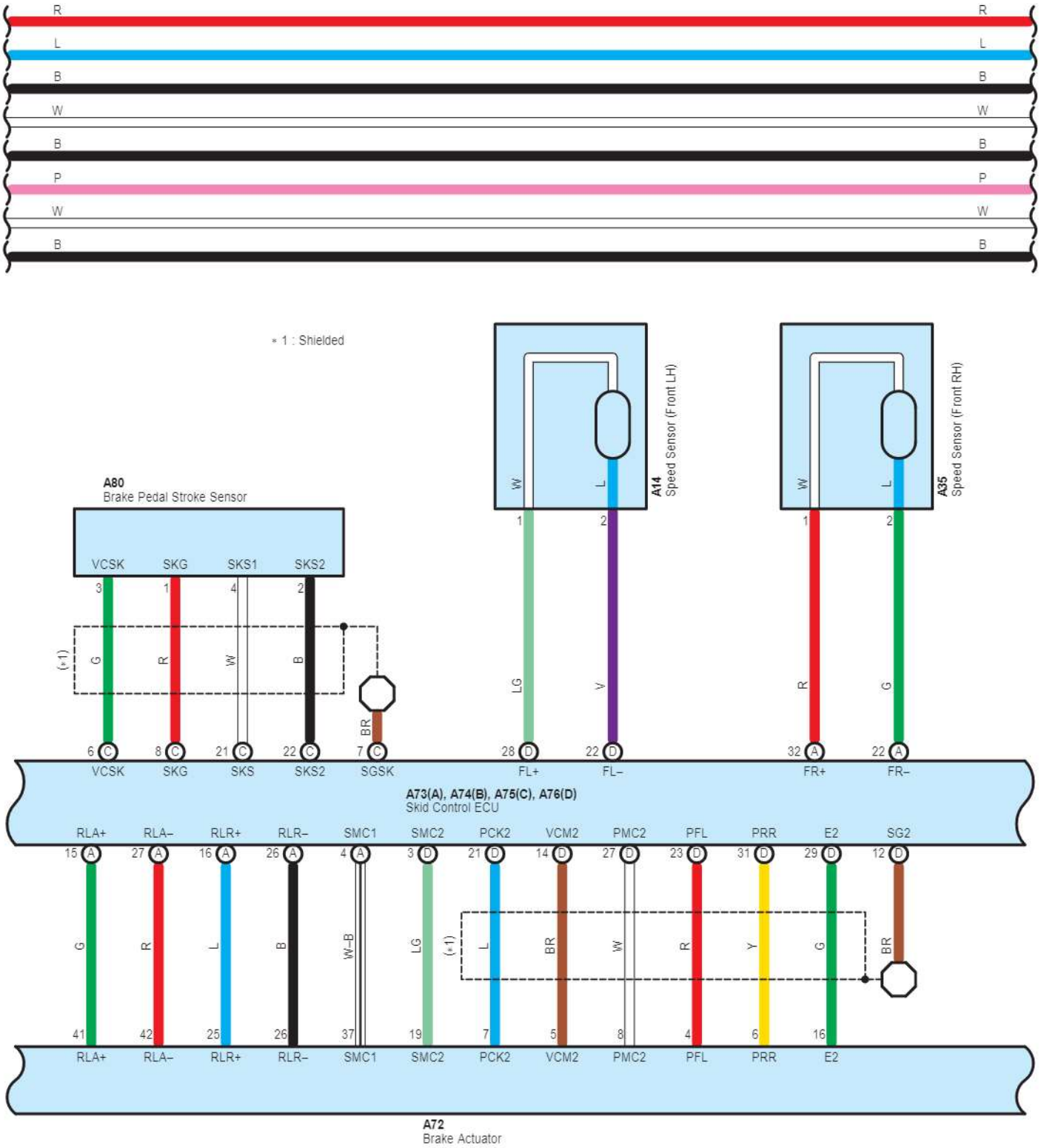

R
L
B
W
B
P
W
B
R
L
B
W
B
P
W
B

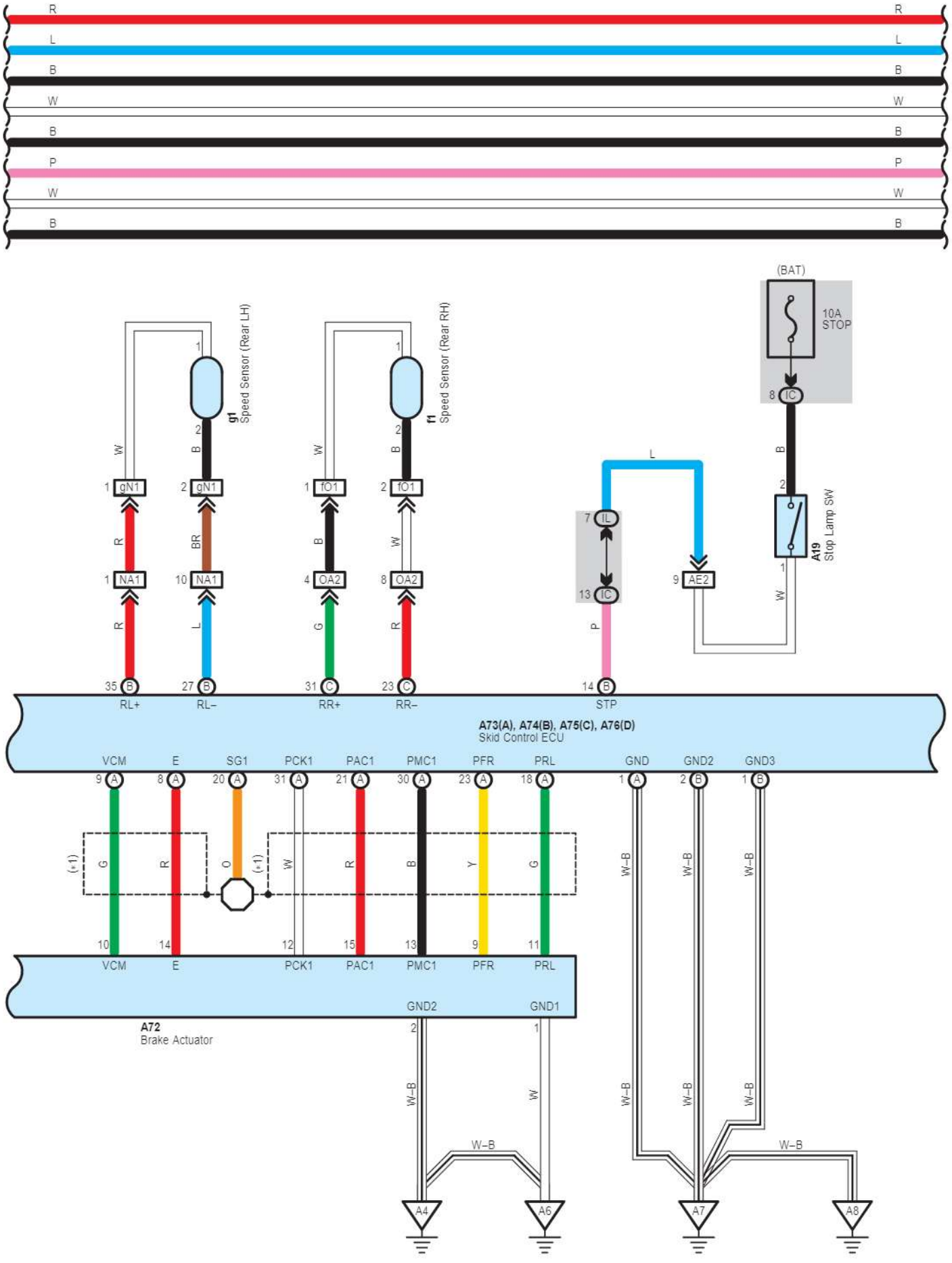

(BAT)
50A
ABS
MTR1
(BAT)
40A
ABS
MTR2
LG
O
L
W–B
A77
Brake Stroke
Simulator Cylinder
ABS MTR1
Relay
ABS MTR2
Relay
ABS NO. 1
Relay
A78(A), A79(B)
Short Connector
R
B
W
Y
P

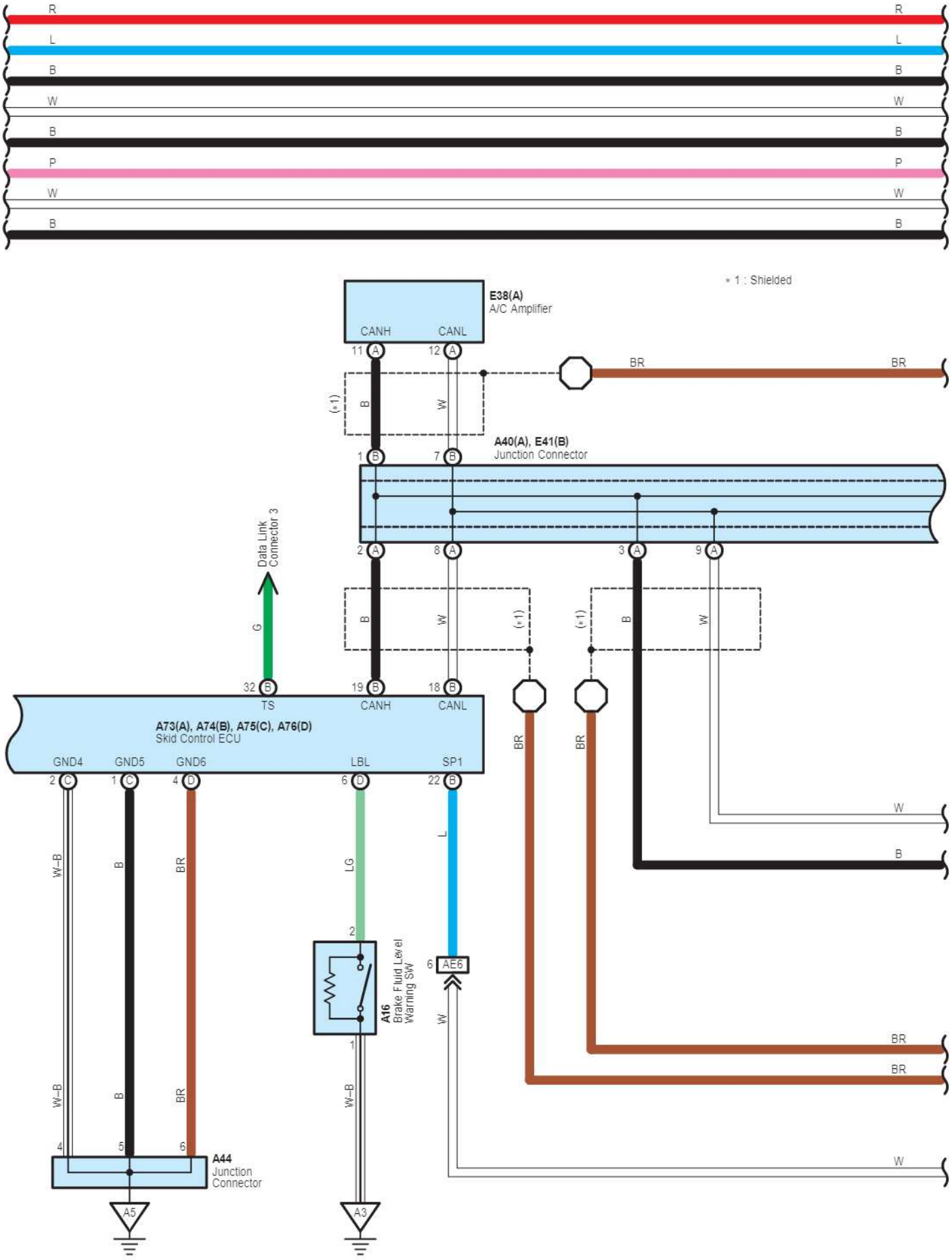

R
L
B
W
B
P
W
B
R
L
B
W
B
P
W
B

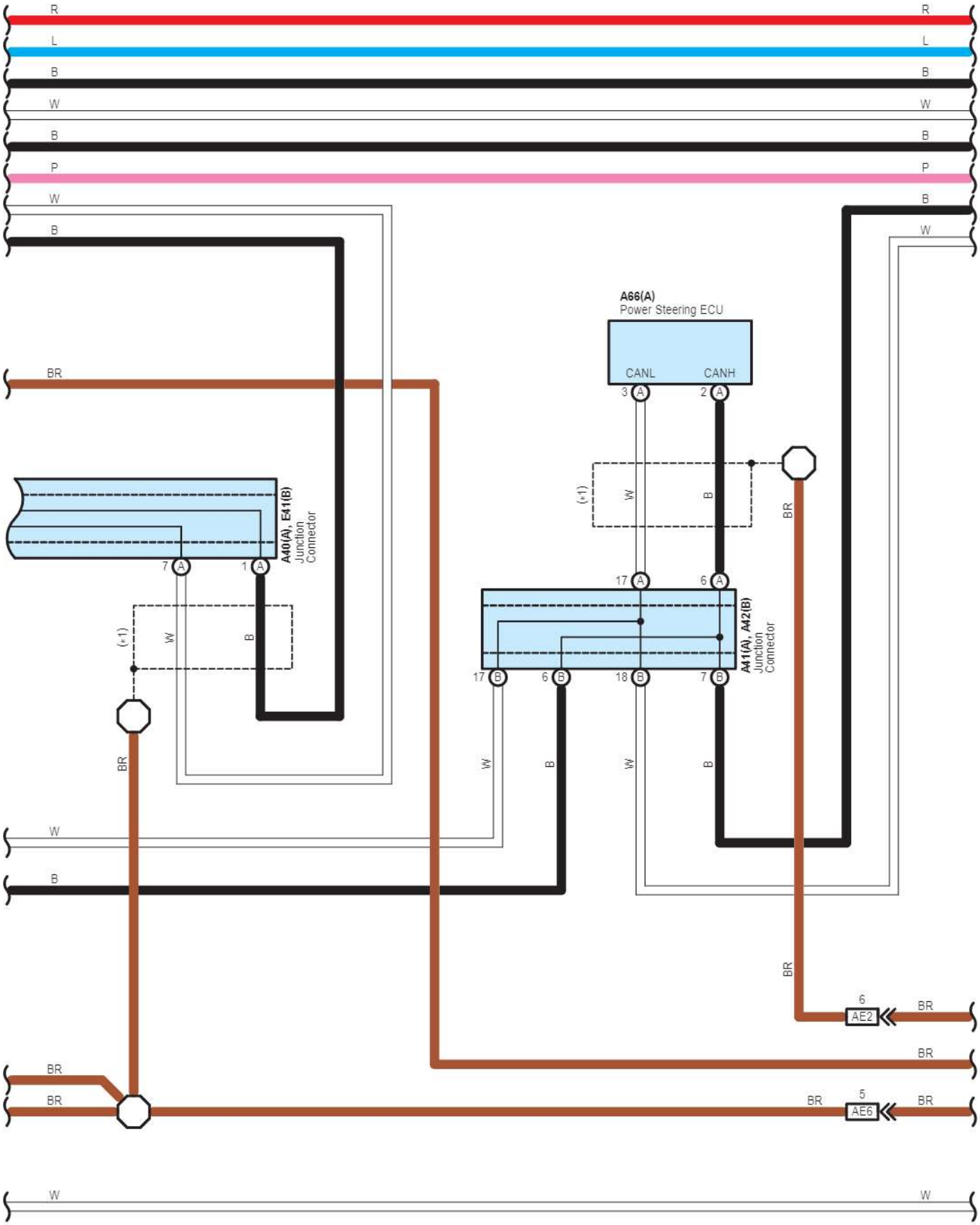

LG
O
L
W–B
R
W
3
3
W
W–B
R
L
O
LG
15 D
12 A
4 C
5 B
30 D
25 A
R4+
R3+
+BO2
+BO1
R2–
R1–
5
2
ABS NO. 2
Relay
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
R2+
BS2
R1+
BS1
SS
MR2
MR1
3
1
17 D
7 D
2 A
3 A
13 A
25 D
11 A
3
3
G
G
G
G
B
W
P
Y
B
G
B
W
P
Y
B
G
W
R
W
W
R
W

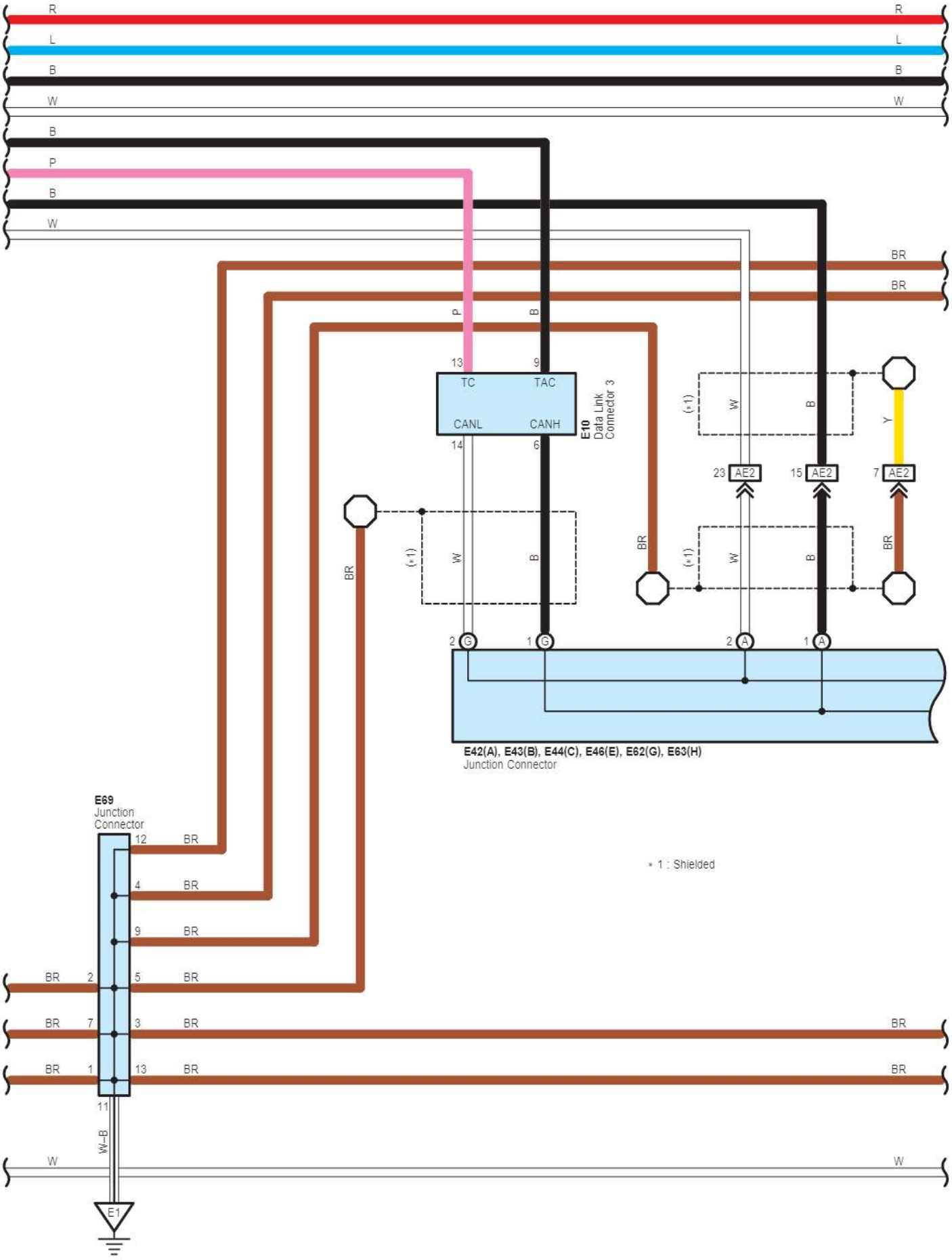

R
L
B
W
B
P
W
B
(IG)
7.5A
ECU IG
NO. 2
19 IF
O
5 3L
4 3K
O
BR
4 A
4 B
A58(A), E40(B)
Junction
Connector
12 A
22 B
A41(A), A42(B)
Junction
Connector
B
7 B
IG1
(BAT)
10A
ABS MAIN
No. 1
2
1
R
3 B
+BI1
(BAT)
10A
ABS MAIN
No. 2
2
1
W
5 C
+BI2
(IG)
10A
IGN
1 ID
Y
GR
5 D
IG2
E13
VSC Warning Buzzer
BZ
IG1
1
2
B
O
14 AE6
15 AE6
Y
B
12 B
33 B
BZ
VBZ
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
MTT
FRA+
FRA–
FRR+
FRR–
FLA+
FLA–
FLR+
FLR–
RRA+
RRA–
RRR+
RRR–
29 A
7 A
6 A
17 A
34 A
1 D
2 D
8 D
26 D
19 D
9 D
20 D
18 D
W
B
R
L
LG
L
B
B
R
Y
B
R
G
3
44
43
28
27
35
38
21
22
39
40
23
24
MTT
FRA+
FRA–
FRR+
FRR–
FLA+
FLA–
FLR+
FLR–
RRA+
RRA–
RRR+
RRR–
BS2
BS1
BM2
BM1
20
36
32
31
A72
Brake Actuator
G
W
R
W

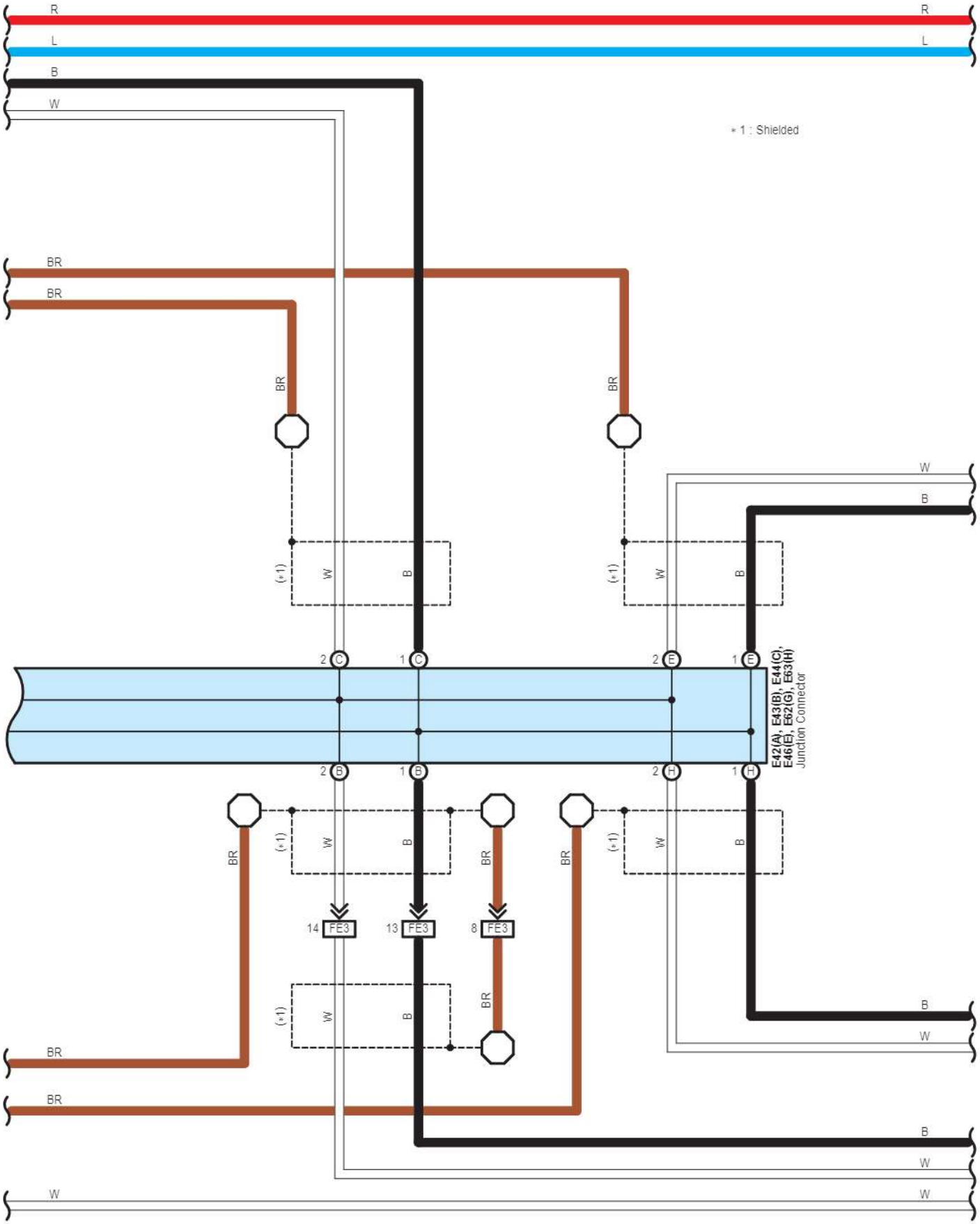

R
L
B
W
B
P
W
B
* 1 : Shielded
A80
Brake Pedal Stroke Sensor
VCSK
SKG
SKS1
SKS2
(*1)
BR
A14
Speed Sensor (Front LH)
A35
Speed Sensor (Front RH)
LG
V
FL+
FL–
FR+
FR–
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
RLA+
RLA–
RLR+
RLR–
SMC1
SMC2
PCK2
VCM2
PMC2
PFL
PRR
E2
SG2
W–B
A72
Brake Actuator

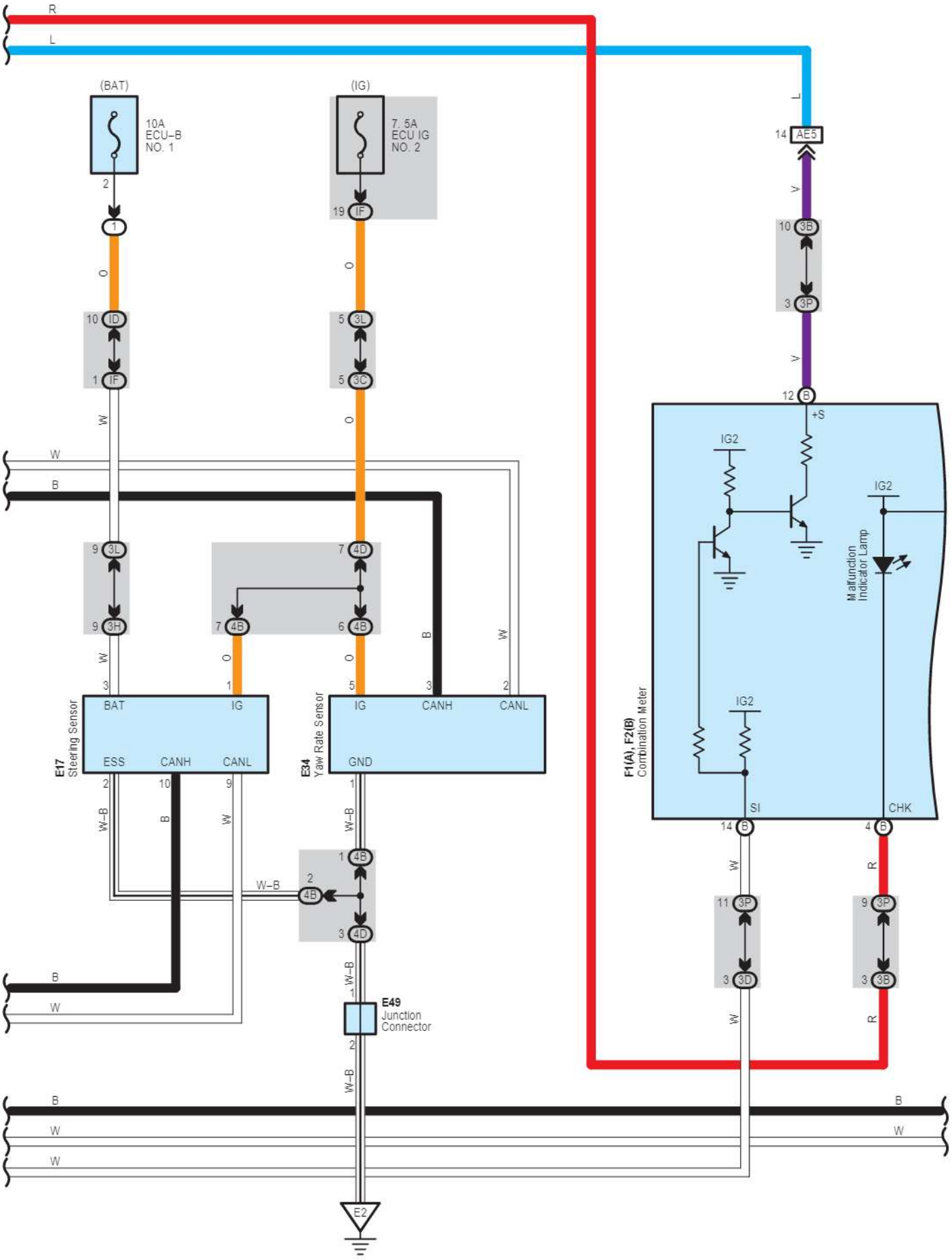

R
L
B
W
B
P
W
B
(BAT)
10A
STOP
8 IC
B
2
A19
Stop Lamp SW
1
W
L
7 IL
13 IC
P
9 AE2
14 B
STP
g1
Speed Sensor (Rear LH)
1
2
B
W
1 gN1
2 gN1
R
BR
1 NA1
10 NA1
R
L
35 B
27 B
RL+
RL–
f1
Speed Sensor (Rear RH)
1 fO1
2 fO1
B
W
4 OA2
8 OA2
G
R
31 C
23 C
RR+
RR–
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
VCM
E
SG1
PCK1
PAC1
PMC1
PFR
PRL
GND
GND2
GND3
9 A
8 A
20 A
31 A
21 A
30 A
23 A
18 A
1 A
2 B
1 B
(*1)
G
R
O
(*1)
W
R
B
Y
G
W–B
10
14
12
15
13
9
11
VCM
E
PCK1
PAC1
PMC1
PFR
PRL
GND2
GND1
A72
Brake Actuator
2
1
W–B
W
W–B
W–B
W–B
W–B
W–B
A4
A6
A7
A8

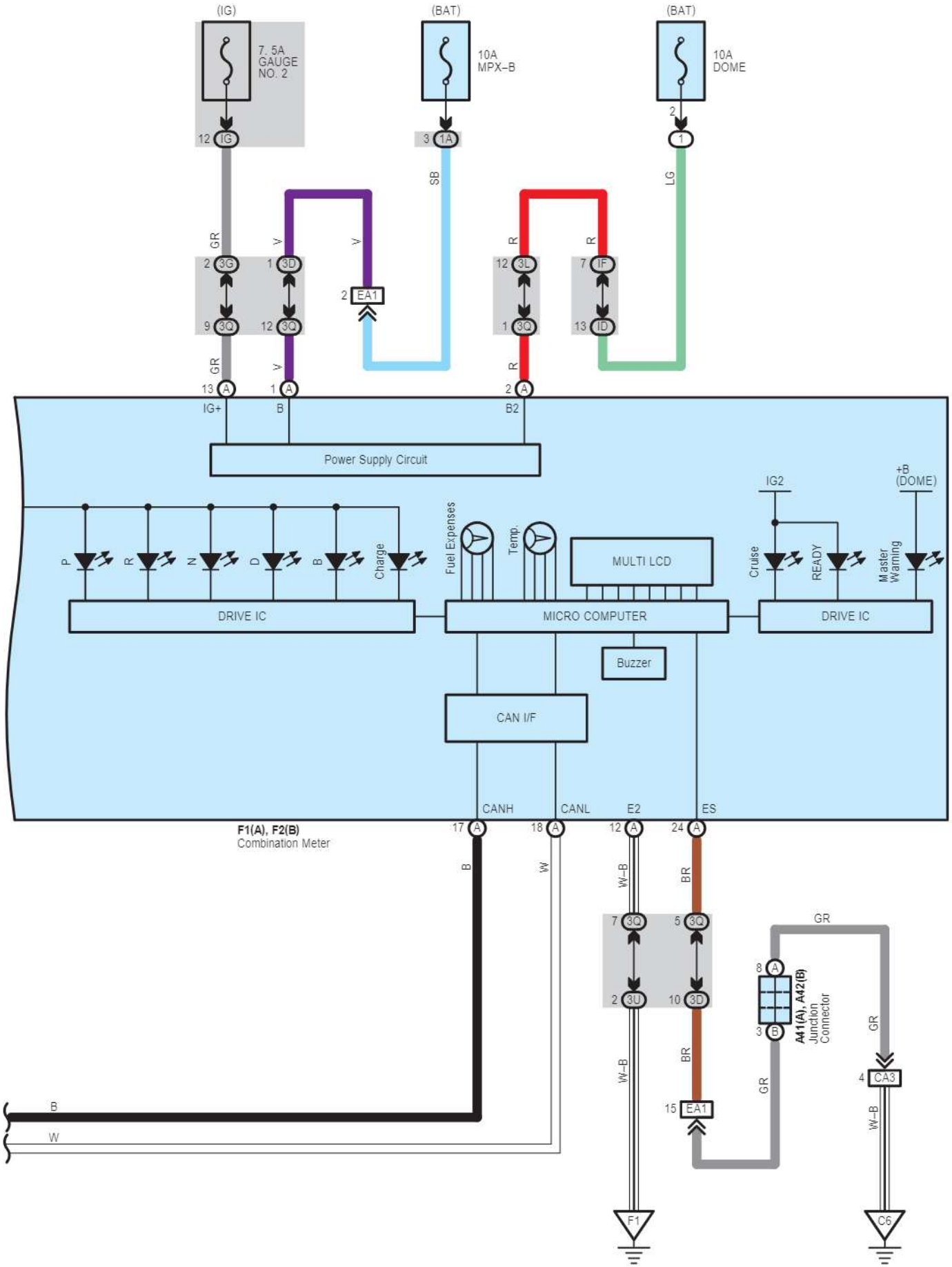

R
L
B
W
B
P
W
B
* 1 : Shielded
E38(A)
A/C Amplifier
CANH
CANL
11 A
12 A
(*1)
B
W
BR
BR
A40(A), E41(B)
Junction Connector
1 B
7 B
2 A
8 A
3 A
9 A
Data Link
Connector 3
G
32 B
19 B
18 B
TS
CANH
CANL
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
GND4
GND5
GND6
LBL
SP1
2 C
1 C
4 D
6 D
22 B
W-B
B
BR
LG
L
2
A16
Brake Fluid Level
Warning SW
1
6 AE6
W-B
B
BR
4
5
6
A44
Junction
Connector
A5
A3
W
B
BR
BR
W


R
L
B
W
B
P
W
B
BR
W
B
BR
W
B
BR
BR
BR
W
B
R
L
B
W
B
P
B
W
A66(A)
Power Steering ECU
CANL
CANH
3 A
2 A
(*1)
W
B
BR
A40(A), E41(B)
Junction
Connector
7 A
1 A
(*1)
W
B
17 A
6 A
A41(A), A42(B)
Junction
Connector
17 B
6 B
18 B
7 B
W
B
W
B
BR
6
AE2
BR
BR
BR
5
AE6
BR
W
W


R
L
B
W
B
P
B
W
BR
BR
P
B
13
9
TC
TAC
CANL
CANH
14
6
E10
Data Link
Connector 3
(*1)
W
B
Y
23
AE2
15
AE2
7
AE2
BR
BR
(*1)
W
B
BR
2
G
1
G
2
A
1
A
E42(A), E43(B), E44(C), E46(E), E62(G), E63(H)
Junction Connector
E69
Junction
Connector
12
BR
4
BR
9
BR
BR
2
5
BR
BR
7
3
BR
BR
BR
1
13
BR
BR
11
W-B
W
W
E1
* 1 : Shielded


R
L
B
W
* 1 : Shielded
BR
BR
BR
BR
(*1)
W
B
2 C
1 C
2 E
1 E
2 B
1 B
2 H
1 H
E42(A), E43(B), E44(C),
E46(E), E62(G), E63(H)
Junction Connector
14 FE3
13 FE3
8 FE3


R
L
(BAT)
10A
ECU–B
NO. 1
(IG)
7. 5A
ECU IG
NO. 2
14 AE5
V
10 3B
3 3P
V
12 B
+S
IG2
IG2
Malfunction
Indicator Lamp
F1(A), F2(B)
Combination Meter
IG2
SI
CHK
14 B
4 B
W
R
11 3P
9 3P
3 3D
3 3B
W
R
2 1D
19 1F
O
10 1D
1 1F
W
5 3L
5 3C
O
W
B
9 3L
9 3H
W
3
7 4D
7 4B
6 4B
O
O
1
5
B
3
W
2
E17
Steering Sensor
BAT
IG
ESS
CANH
CANL
E34
Yaw Rate Sensor
IG
CANH
CANL
GND
2
10
9
1
W–B
B
W
W–B
1 4B
2 4B
W–B
3 4D
B
W
W–B
1
E49
Junction
Connector
2
W–B
B
W
W
B
W
E2


(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
(BAT)
10A
DOME
12 IG
3 1A
2
1
SB
LG
GR
V
V
R
R
2 3G
1 3D
12 3L
7 IF
2 EA1
9 3Q
12 3Q
1 3Q
13 ID
GR
V
R
13 A
1 A
2 A
IG+
B
B2
Power Supply Circuit
IG2
+B
(DOME)
P
R
N
D
B
Charge
Fuel Expenses
Temp.
MULTI LCD
Cruise
READY
Master
Warning
DRIVE IC
MICRO COMPUTER
DRIVE IC
Buzzer
CAN I/F
CANH
CANL
E2
ES
F1(A), F2(B)
Combination Meter
17 A
18 A
12 A
24 A
B
W
W–B
BR
7 3Q
5 3Q
GR
8 A
2 3U
10 3D
A41(A), A42(B)
Junction
Connector
3 B
BR
GR
GR
4 CA3
15 EA1
W–B
B
W
F1
C6

System Outline

Hybrid System

The hybrid system is a power train to combine and use two different kinds of power sources such as gasoline engine and electric motor. The system uses optimum power source, either the gasoline engine or electric motor to fit the driving condition best and maximizes each one's strengths while compensating for each other's shortcomings. Thus, the driving performance with seamless response is attained and the fuel consumption and gas emission are reduced significantly at the same time.

Shift Control System

Park/Neutral position SW is provided in the transaxle to detect the shift position and send a corresponding signal to the hybrid vehicle control ECU. Upon receiving this signal, the hybrid vehicle control ECU optimally combines the operation of the engine, motor generator no.1 (Front), motor generator no.2 (Front) and motor generator (Rear), in order to produce the respective shift position ("R", "N", "D" and "B").

Engine Control System

The engine control system utilizes a microcomputer and maintains overall control of the engine, transaxle etc. An outline of the engine control is given here.

1. Input Signals

(1) Engine coolant temp. signal circuit

The engine coolant temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance, which varies according to the engine coolant temp.. The engine coolant temp. which is input into TERMINAL THW of the hybrid vehicle control ECU as a control signal.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the mass air flow meter and detects the intake air temp. which is input as a control signal to TERMINAL THA of the hybrid vehicle control ECU.

(3) Oxygen density signal circuit

The oxygen density in the exhaust emission is detected by the heated oxygen sensor and input as a control signal to TERMINAL OX1B of the hybrid vehicle control ECU.

(4) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2+ of the hybrid vehicle control ECU, and engine RPM is input into TERMINAL NE+.

(5) Throttle position signal circuit

The throttle position sensor detects the throttle valve opening angle as a control signal, which is input into TERMINALS VTA1 and VTA2 of the hybrid vehicle control ECU.

(6) Vehicle speed circuit

The vehicle speed sensor, detects the vehicle speed and input to speed sensor of the skid control ECU, from skid control ECU to TERMINAL SPD of the hybrid vehicle control ECU, Via combination meter.

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the hybrid vehicle control ECU. With the ignition SW turned on, the voltage for hybrid vehicle control ECU start–up power supply is applied to TERMINALS +B and +B2 of the hybrid vehicle control ECU via the EFI relay.

(8) Stop lamp SW signal circuit

The stop lamp SW is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the hybrid vehicle control ECU as a control signal.

(9) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL KNK1 as a control signal.

(10) Air fuel ratio signal system

The air fuel ratio is detected and input as a control signal into TERMINAL A1A+ of the hybrid vehicle control ECU.

2. Control System

* SFI system
  The SFI system monitors the engine condition through the signals input from each sensor to the hybrid vehicle control ECU. And the control signal is output to TERMINALS #10, #20, #30, #40 of the hybrid vehicle control ECU to operate the fuel injector (Inject the fuel). The SFI system controls the fuel injection operation by the hybrid vehicle control ECU in response to the driving conditions.
* ESA system
  The ESA system monitors the engine condition through the signals input to the hybrid vehicle control ECU from each sensor. The best ignition timing is decided according to this data and the memorized data in the hybrid vehicle control ECU and the control signal is output to TERMINALS IGT1, IGT2, IGT3, IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.
* Heated oxygen sensor heater control system
  The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensor to improve detection performance of the sensor. The hybrid vehicle control ECU evaluates the signals from each sensor, and outputs current to TERMINAL HT1B to control the heater.

3. Diagnosis System

With the diagnosis system, when there is a malfunction in the hybrid vehicle control ECU signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the malfunction indicator lamp.

4. Fail–Safe System

When a malfunction has occurred in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the hybrid vehicle control ECU memory or else stops the engine.

Cruise Control System

The cruise control system is a constant vehicle speed controller which controls the opening angle of the engine throttle valve by the SW, and allows driving at a constant speed without depressing the accelerator pedal.

1. Set Operation

When the ON–OFF SW is turned on, the systems starts preparations for cruise control and turns on the indicator light in the combination meter.

2. Set Speed Control

When the – SET SW is operated with the ON–OFF SW turned on during driving, the speed is controlled at a constant speed.

3. Coast Control

When the – SET SW is kept turned on during cruise control driving, the hybrid vehicle control ECU controls the throttle valve to decelerate the vehicle speed.
Every time the – SET SW is turned on instantaneously, the vehicle speed is decelerated by approx. 1.6 km/h.

4. Accel Control

When the + RES SW is kept turned on during cruise control driving, the hybrid vehicle control ECU controls the throttle valve to accelerate the vehicle speed.
Every time the + RES SW is turned on instantaneously, the vehicle speed is accelerated by approx. 1.6 km/h.

5. Resume Control

If the vehicle speed is within the low speed limit (Approx. 40 km/h, 25 mph) when canceling the cruise control, operation of the + RES SW accelerates the vehicle speed and resumes the level before canceling the cruise control.

6. Manual Cancel Mechanism

If any one of the following signals is input during cruise control driving, the cruise control is canceled.

* The stop light SW is on
* The CANCEL SW is turned on
* The ON–OFF SW is turned off
* Gear is shifted D position to other positions than D.

7. Auto Cancel Function

If any of the following conditions are detected, the cruise control is canceled:

* Failure in the stop light SW wiring
* Abnormality in the vehicle speed signal
* Malfunction in the electronically controlled throttle parts
* When the vehicle speed gets slower than the low speed limit.
* When the vehicle speed falls to 16 km/h less than the set speed.

○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
A14	50	C23	51	N28	56
A16	50	C30	51	N29	56
A17	55	C31	51	N35	56
A19	55	C32	51	N38	56
A35	50	C58 B	51	O21	56
A40 A	55	C59 A	51	O24	56
A41 A	55	C60 A	51	b1 C	55
A42 B	55	C61 B	51	f1	57
A43	50	C62	51	g1	57
A44	50	C64 B	51	h1 C	51
A58 A	55	E6 A	52	h3 A	58
A61 A	50	E7 B	52	h4 B	58
A62 A	50	E8 C	52	h5 A	58
A63	50	E9 D	52	j2 D	51
A66 A	50	E10	52	k1	57
A72	50	E13	52	n2 A	58
A73 A	55	E17	52	n3 C	58
A74 B	55	E18 A	52	n4 B	58
A75 C	55	E30 A	52	n5	58
A76 D	55	E34	52	n6	58
A77	50	E38 A	53	o1 B	58
A78 A	50	E40 B	53	r3 C	58
A79 B	50	E41 B	53	s1 D	58
A80	55	E42 A	48, 53	s2 D	58
C2	51	E43 B	48, 53	t1 E	58
C4	51	E44 C	48, 53	t2 E	58
C5	51	E46 E	48, 53	v1 C	58
C6	51	E49	53	v2 F	58
C7	51	E50	53	v3 D	58
C8	51	E52	53	v4 G	58
C9	51	E62 G	48, 53	v5 E	58
C10	51	E63 H	48, 53	v6 H	58
C11	51	E69	53	w1 F	58
C12	51	E70 A	53	w2 I	58
C13	51	E71 B	53	x1 B	51
C14	51	F1 A	54	x2 E	51
C15	51	F2 B	54	y1 C	51
C20	51	N10	56	y2 F	51
C22	51	N17	56		

▭ : **Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)
3	22	Engine Room R/B No.3 (Engine Compartment Right)

: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1C	23	Floor No.4 Wire and Engine Room J/B (Engine Compartment Left)
1D	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1E		
3A	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3B		
3C		
3D		
3F		
3G		
3H		
3K		
3L		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3U		
4A	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4B		
4C		
4D		
4E		
4F		
4G		
4H		
4K		
4M		
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IL	30	
IM		

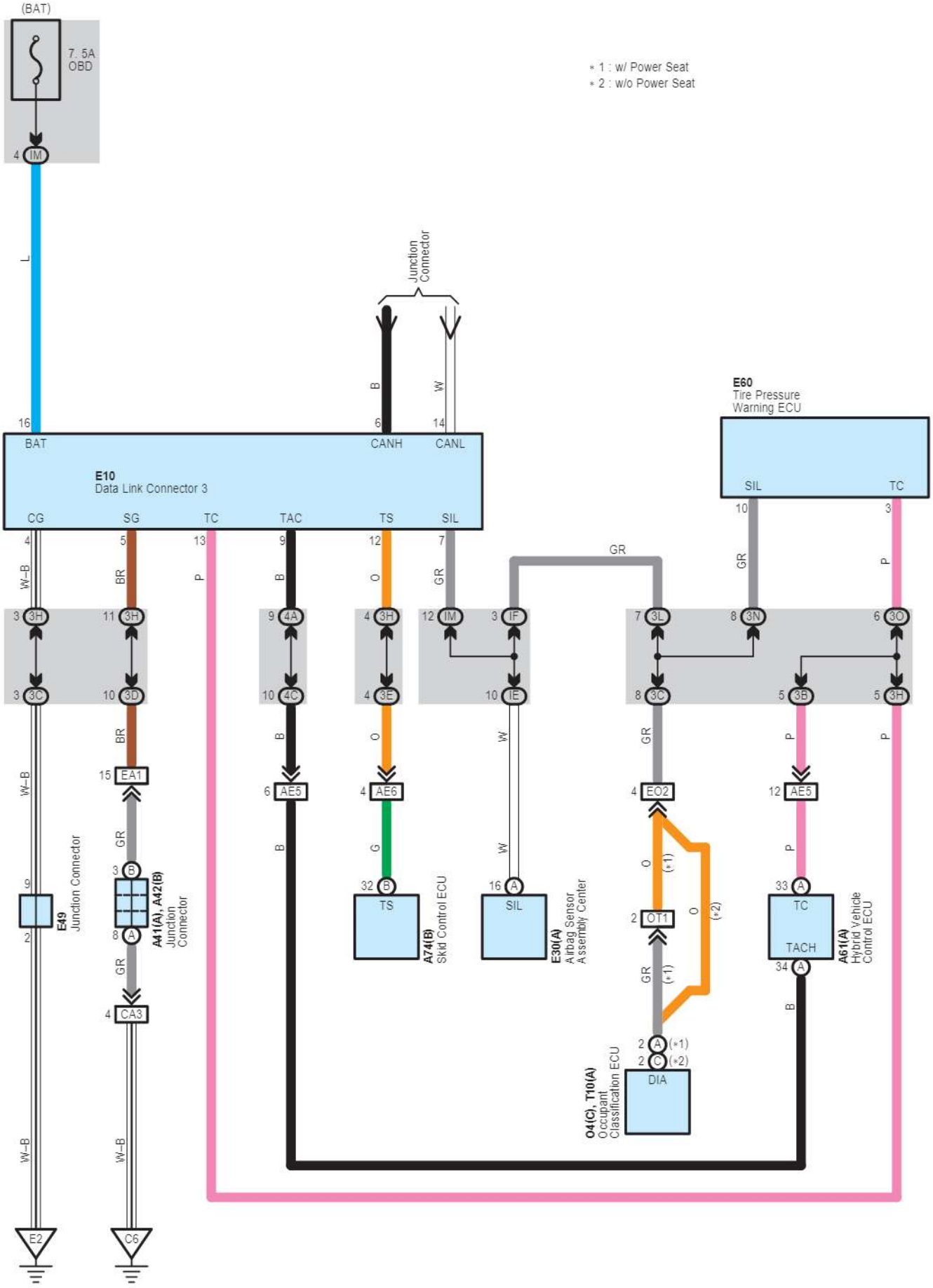
: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE5	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
AE6		
CA1	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
CA2		
CA3		
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
NA1	63	Floor Wire and Engine Room Main Wire (Left Kick Panel)
OA1	63	Floor No.2 Wire and Engine Room Main Wire (Right Kick Panel)
OA2		
On1	65	Floor No.2 Wire and Battery Pack Wire (Near the Hybrid Battery)
fO1	64	Skid Control Sensor Wire RH and Floor No.2 Wire (Quarter Wheel House Panel RH)
gN1	64	Skid Control Sensor Wire LH and Floor Wire (Quarter Wheel House Panel LH)
kN1	64	Floor No.6 Wire and Floor Wire (Under the Rear Floor Panel)

▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	62	Front Left Fender
A2		
A3	63	Left Cowl Side Panel
A4	62	Near the Brake Actuator
A5	62	Front Right Fender
A6	63	Right Cowl Side Panel
A7		
A8	62	Near the Brake Actuator
C4	62	Cylinder Block
C6		
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
E3	63	Instrument Panel Right
F1	63	Instrument Panel Left
N1	64	Left Rear Quarter Panel
O1	64	Right Rear Quarter Panel

Data Link Connector 3



○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A41	A	55	E10		52	O4	C	61 (*2)
A42	B	55	E30	A	52	T10	A	60 (*1)
A61	A	50	E49		53			
A74	B	55	E60		53			

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
3B	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3C		
3D		
3E		
3H		
3L		
3N		
3O		
4A	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4C		
IE	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IF		
IM		

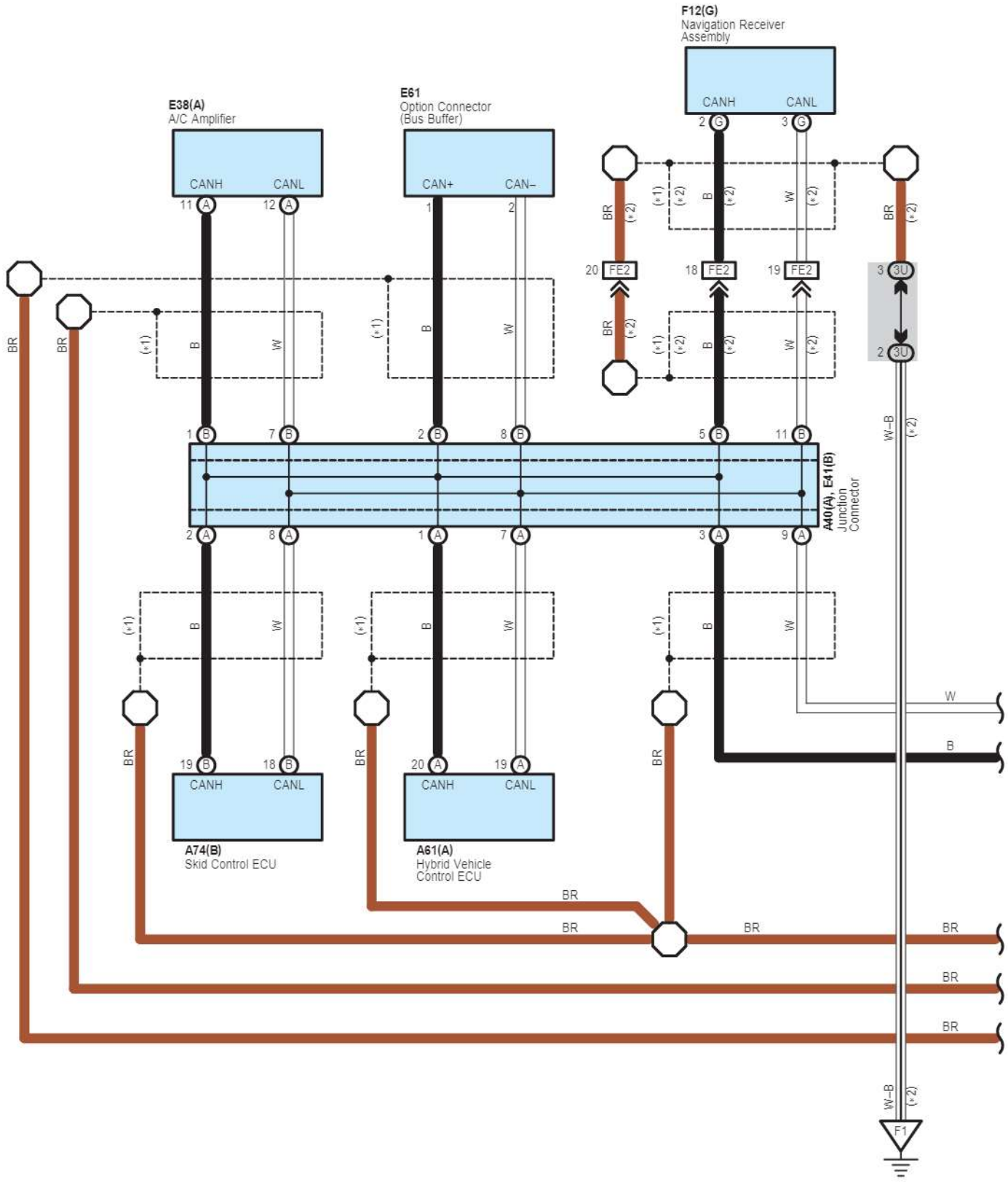
▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE5	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
AE6		
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
OT1	66 (*1)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)

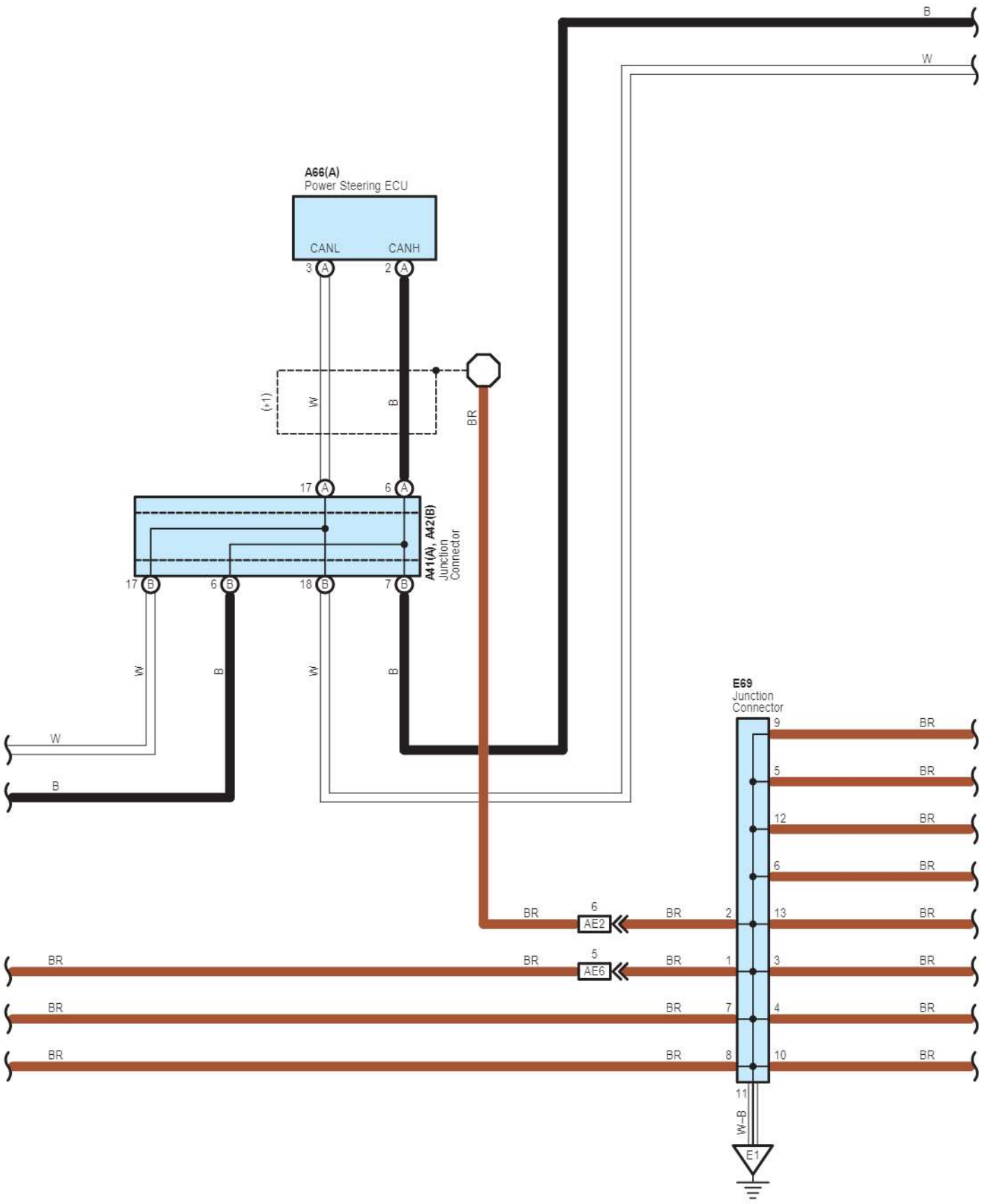
▽ : Ground Points

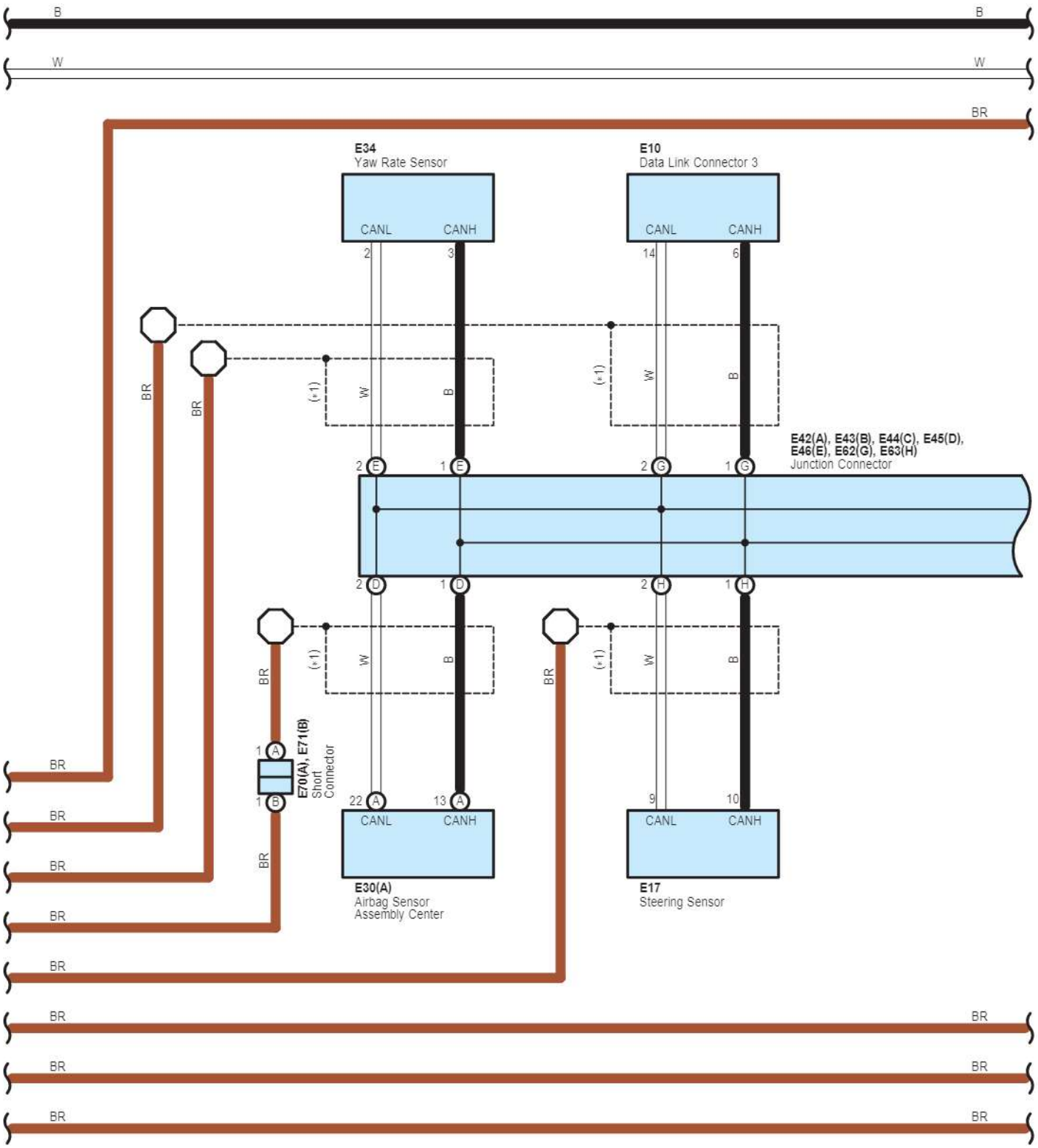
Code	See Page	Ground Points Location
C6	62	Cylinder Block
E2	63	Instrument Panel Brace LH

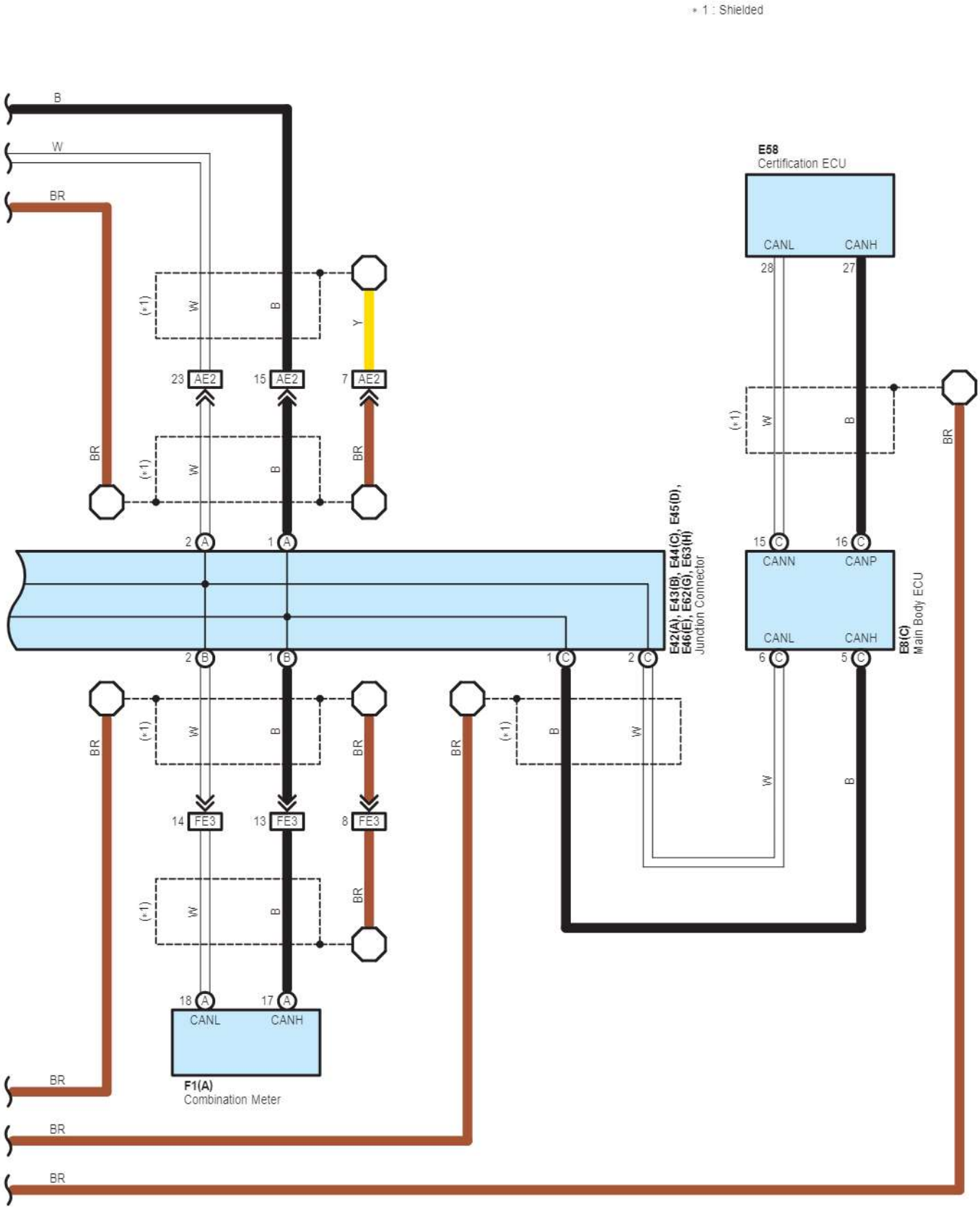
* 1 : w/ Power Seat * 2 : w/o Power Seat


F12(G)
Navigation Receiver Assembly
CANH
CANL
E38(A)
A/C Amplifier
E61
Option Connector (Bus Buffer)
CAN+
CAN–
FE2
A40(A), E41(B)
Junction Connector
A74(B)
Skid Control ECU
A61(A)
Hybrid Vehicle Control ECU
BR
W
B
W–B
F1

* 1 : Shielded
* 2 : w/ Navigation System




B
B
W
W
BR
E34
Yaw Rate Sensor
CANL
CANH
2
3
E10
Data Link Connector 3
CANL
CANH
14
6
(+1)
W
B
(+1)
W
B
E42(A), E43(B), E44(C), E45(D),
E46(E), E62(G), E63(H)
Junction Connector
2 E
1 E
2 G
1 G
2 D
1 D
2 H
1 H
BR
BR
BR
BR
BR
BR
BR
BR
BR
BR
BR
BR
BR
BR
BR
BR
(+1)
W
B
(+1)
W
B
1 A
1 B
E70(A), E71(B)
Short
Connector
22 A
13 A
9
10
CANL
CANH
CANL
CANH
E30(A)
Airbag Sensor
Assembly Center
E17
Steering Sensor


* 1 : Shielded
B
W
BR
E58
Certification ECU
CANL
CANH
28
27
(*1)
W
B
Y
23 AE2
15 AE2
7 AE2
BR
2 A
1 A
E42(A), E43(B), E44(C), E45(D),
E46(E), E62(G), E63(H)
Junction Connector
15 C
16 C
CANN
CANP
CANL
CANH
6 C
5 C
E8(C)
Main Body ECU
2 B
1 B
1 C
2 C
14 FE3
13 FE3
8 FE3
18 A
17 A
CANL
CANH
F1(A)
Combination Meter

Multiplex Communication System – CAN

System Outline

CAN has two lines as a pair which make communication with operating voltage. CAN has excellent data speed and error detecting capacity. It consists of vehicle control systems such as hybrid vehicle control ECU, yaw rate sensor, skid control ECU, steering sensor, data link connector 3, A/C amplifier, navigation receiver assembly, airbag sensor assembly center, combination meter, certification ECU, power steering ECU and main body ECU.

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A40	A	55	E30	A	52	E58		53
A41	A	55	E34		52	E61		53
A42	B	55	E38	A	53	E62	G	48, 53
A61	A	50	E41	B	53	E63	H	48, 53
A66	A	50	E42	A	48, 53	E69		53
A74	B	55	E43	B	48, 53	E70	A	53
E8	C	52	E44	C	48, 53	E71	B	53
E10		52	E45	D	48, 53	F1	A	54
E17		52	E46	E	48, 53	F12	G	54

: Junction Block and Wire Harness Connector

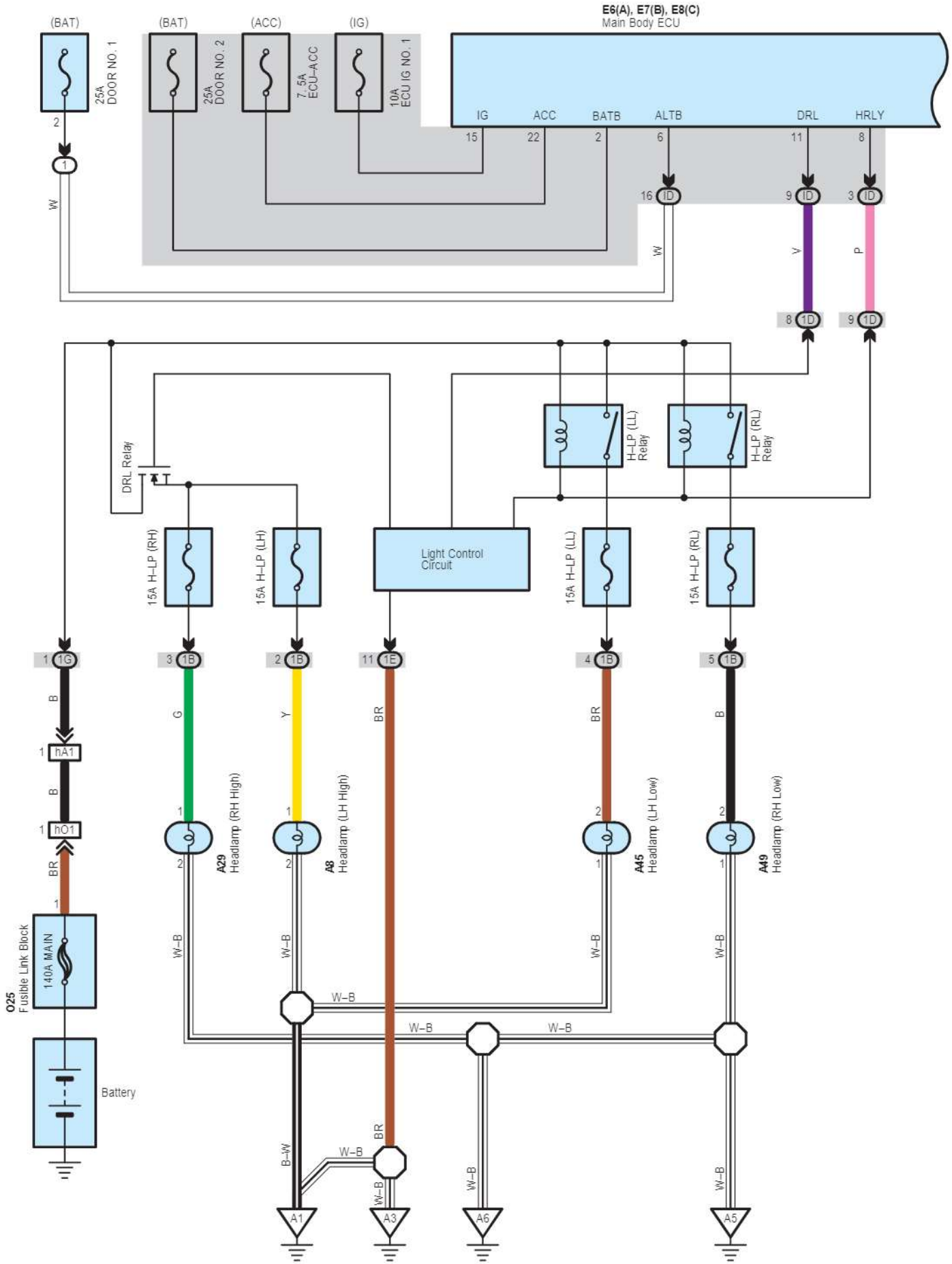
Code	See Page	Junction Block and Wire Harness (Connector Location)
3U	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)

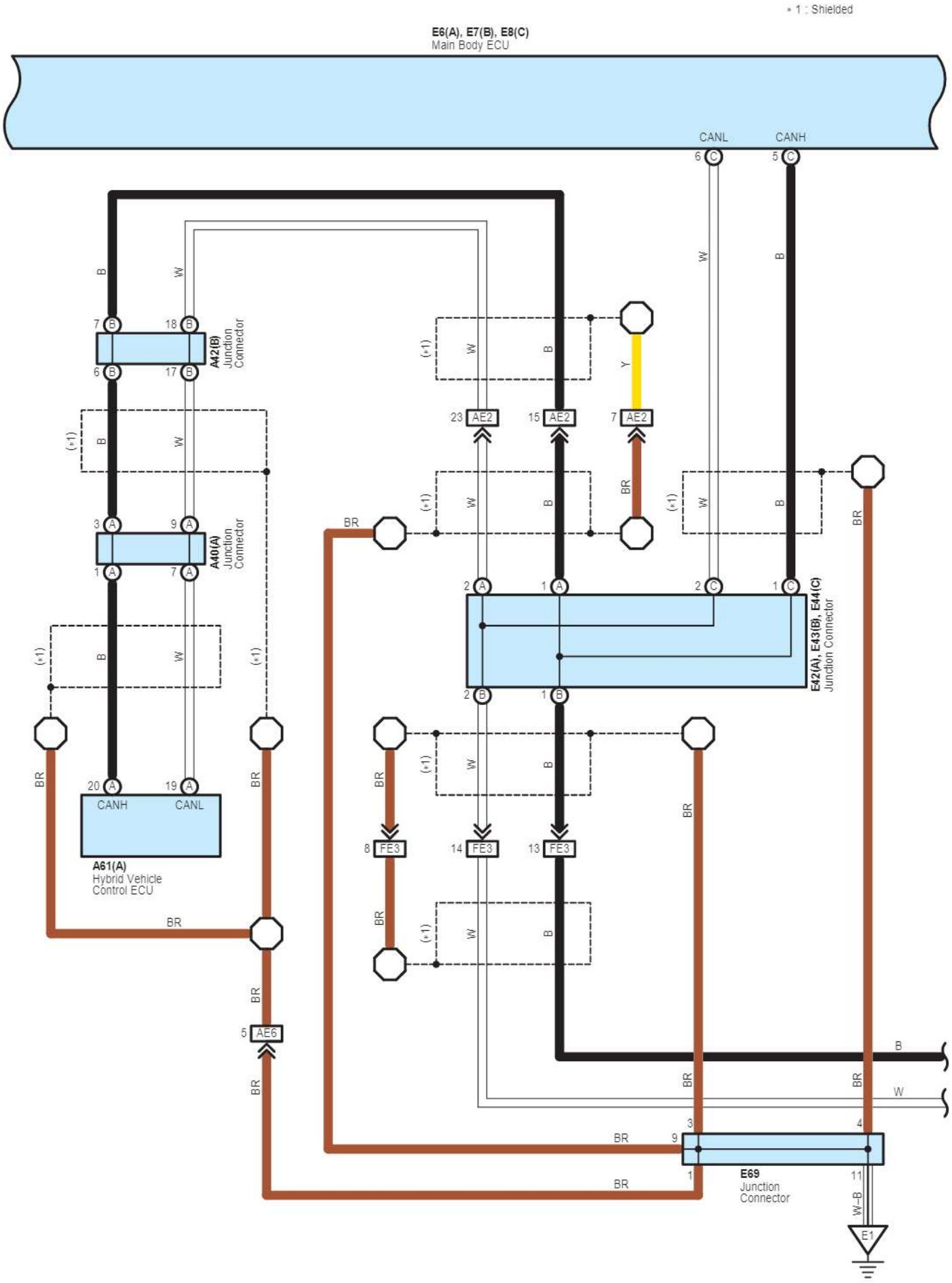
: Connector Joining Wire Harness and Wire Harness

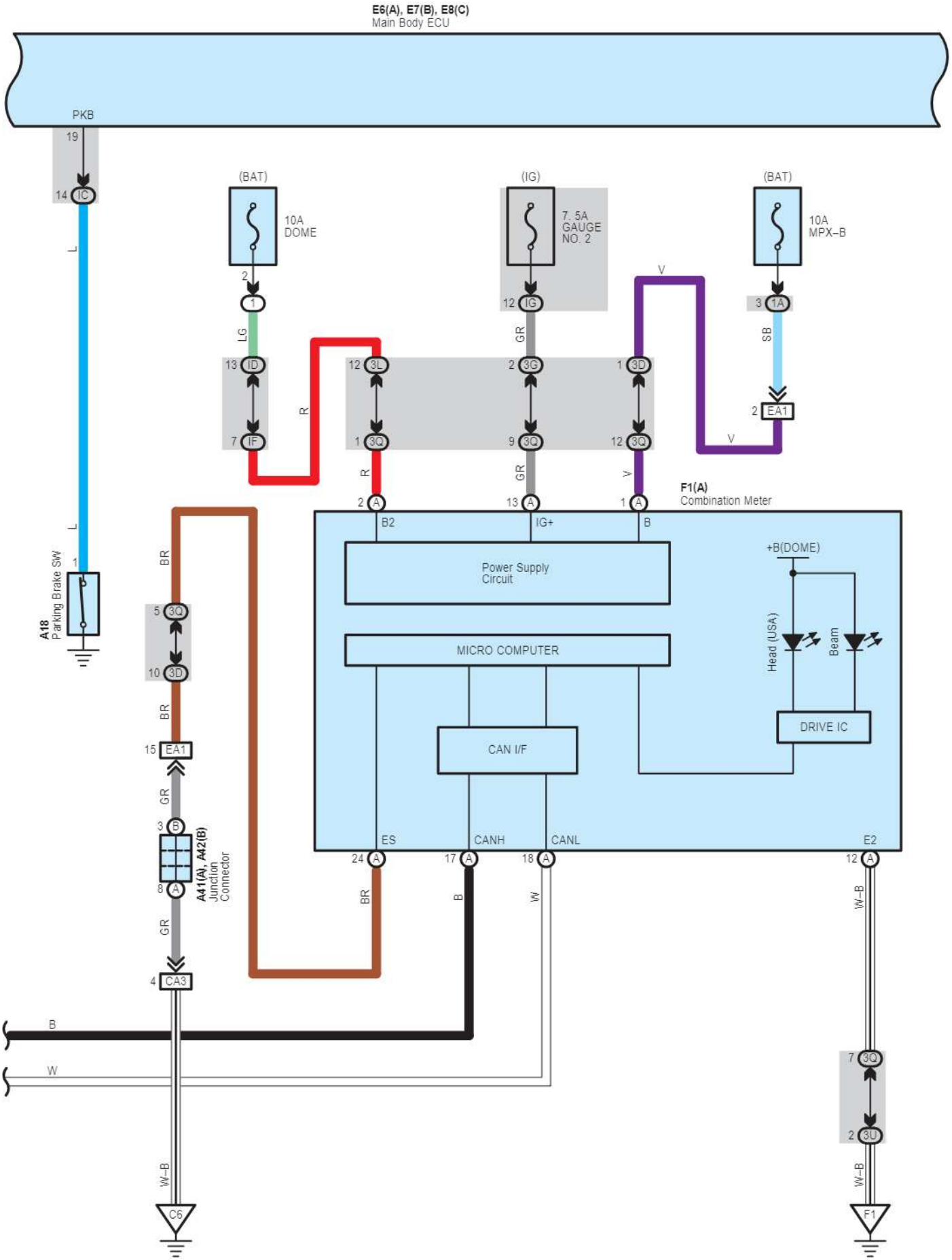
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
FE2	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
FE3		

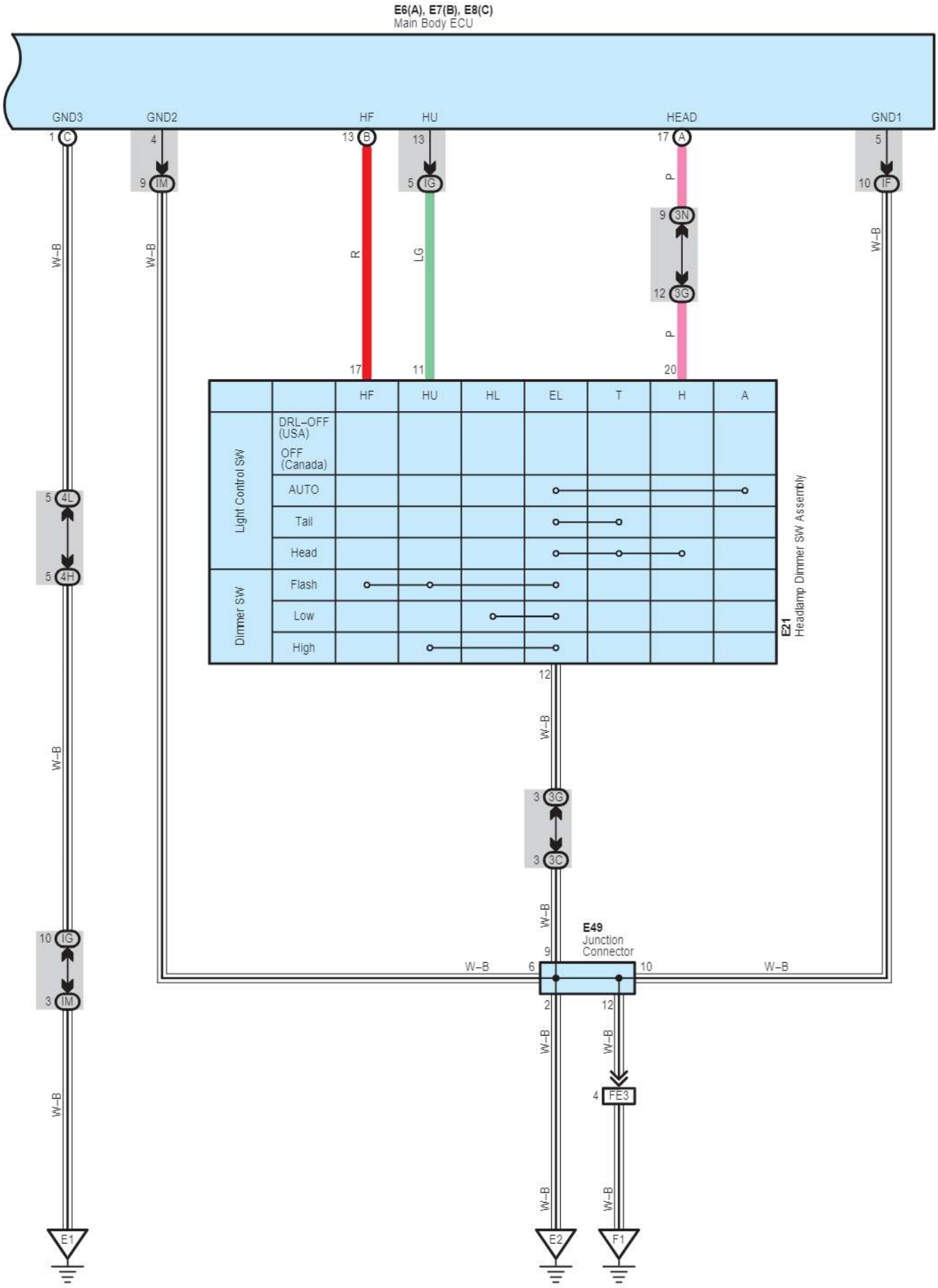
: Ground Points

Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
F1		


(BAT)
(BAT)
(ACC)
(IG)
25A DOOR NO. 1
25A DOOR NO. 2
7.5A ECU-ACC
10A ECU IG NO. 1
E6(A), E7(B), E8(C)
Main Body ECU
IG
ACC
BATB
ALTB
DRL
HRLY
DRL Relay
H-LP (LL) Relay
H-LP (RL) Relay
15A H-LP (RH)
15A H-LP (LH)
Light Control Circuit
15A H-LP (LL)
15A H-LP (RL)
A29 Headlamp (RH High)
A8 Headlamp (LH High)
A45 Headlamp (LH Low)
A49 Headlamp (RH Low)
J25 Fusible Link Block
140A MAIN
Battery
A1
A3
A6
A5


* 1 : Shielded
E6(A), E7(B), E8(C)
Main Body ECU
CANL
CANH
A42(B)
Junction Connector
A40(A)
Junction Connector
A61(A)
Hybrid Vehicle Control ECU
E42(A), E43(B), E44(C)
Junction Connector
E69
Junction Connector
E1
AE2
AE6
FE3


E6(A), E7(B), E8(C)
Main Body ECU
PKB
19
14 IC
L
L
1
A18
Parking Brake SW
(BAT)
10A
DOME
2
1
LG
13 ID
7 IF
R
12 3L
1 3Q
R
2 A
(IG)
7. 5A
GAUGE
NO. 2
12 IG
GR
2 3G
9 3Q
GR
13 A
V
1 3D
12 3Q
V
1 A
(BAT)
10A
MPX–B
3 1A
SB
2 EA1
V
F1(A)
Combination Meter
B2
IG+
B
Power Supply
Circuit
MICRO COMPUTER
CAN I/F
+B(DOME)
Head (USA)
Beam
DRIVE IC
ES
CANH
CANL
E2
24 A
17 A
18 A
12 A
BR
B
W
W–B
5 3Q
10 3D
BR
15 EA1
GR
3 B
8 A
A41(A), A42(B)
Junction
Connector
GR
4 CA3
B
W
W–B
C6
7 3Q
2 3U
W–B
F1


E6(A), E7(B), E8(C)
Main Body ECU
GND3
GND2
HF
HU
HEAD
GND1
1 C
4
9 IM
13 B
13
5 IG
17 A
5
10 IF
P
9 3N
12 3G
P
R
LG
W-B
W-B
W-B
17
11
20
HF
HU
HL
EL
T
H
A
Light Control SW
DRL-OFF (USA)
OFF (Canada)
AUTO
Tail
Head
Dimmer SW
Flash
Low
High
E21
Headlamp Dimmer SW Assembly
5 4L
5 4H
12
W-B
3 3G
3 3C
W-B
E49
Junction Connector
10 IG
3 IM
W-B
9
W-B
6
10
W-B
2
12
W-B
W-B
4 FE3
W-B
W-B
E1
E2
F1

Headlight

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A8	50	A49	50	E43 B	48, 53
A18	55	A61 A	50	E44 C	48, 53
A29	50	E6 A	52	E49	53
A40 A	55	E7 B	52	E69	53
A41 A	55	E8 C	52	F1 A	54
A42 B	55	E21	52	O25	56
A45	50	E42 A	48, 53		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

⬭ : Junction Block and Wire Harness Connector

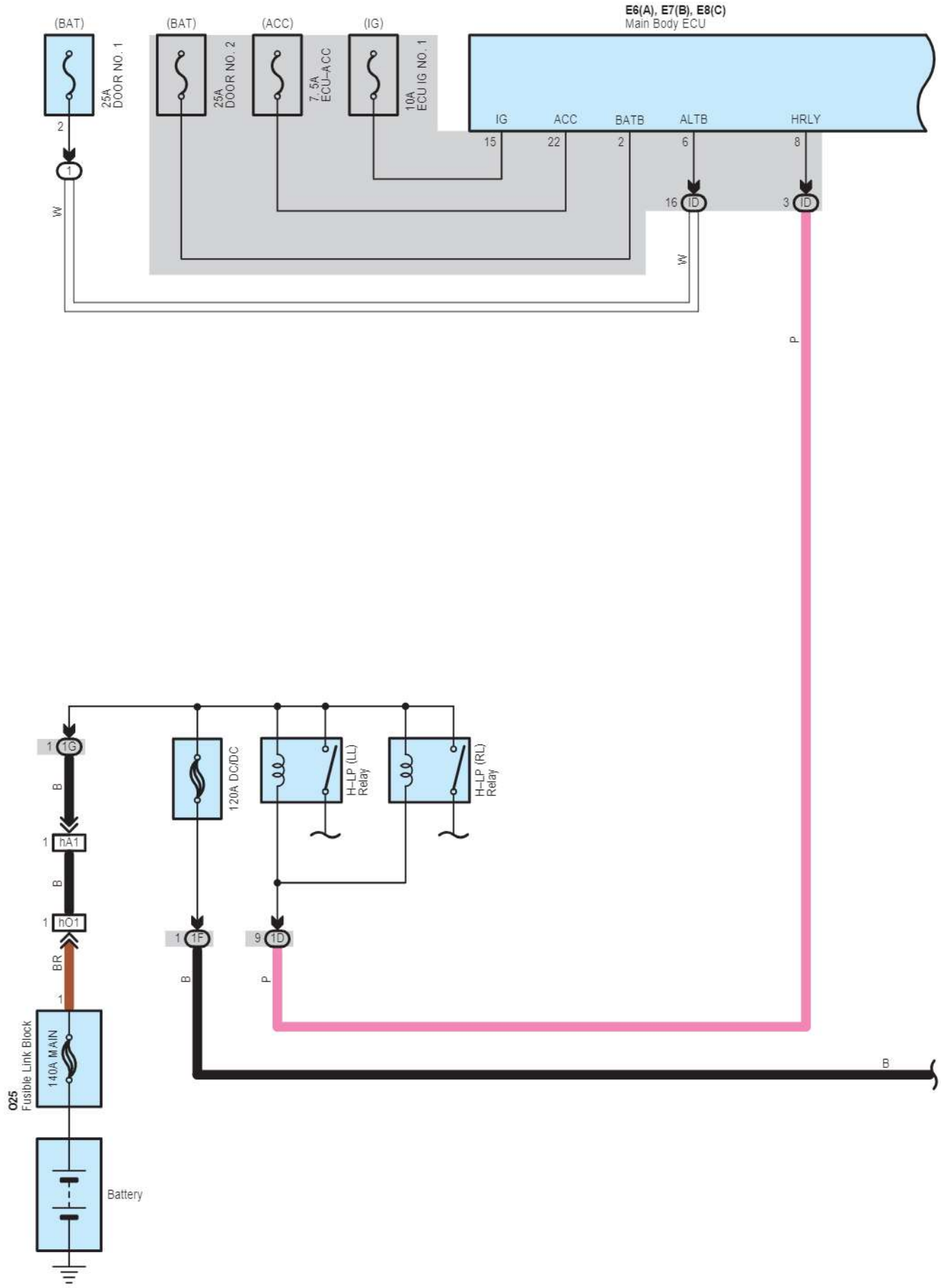
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1B		
1D		
1E		
1G	23	
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3G		
3L		
3N		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3U		
4H	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4L		
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IM	30	

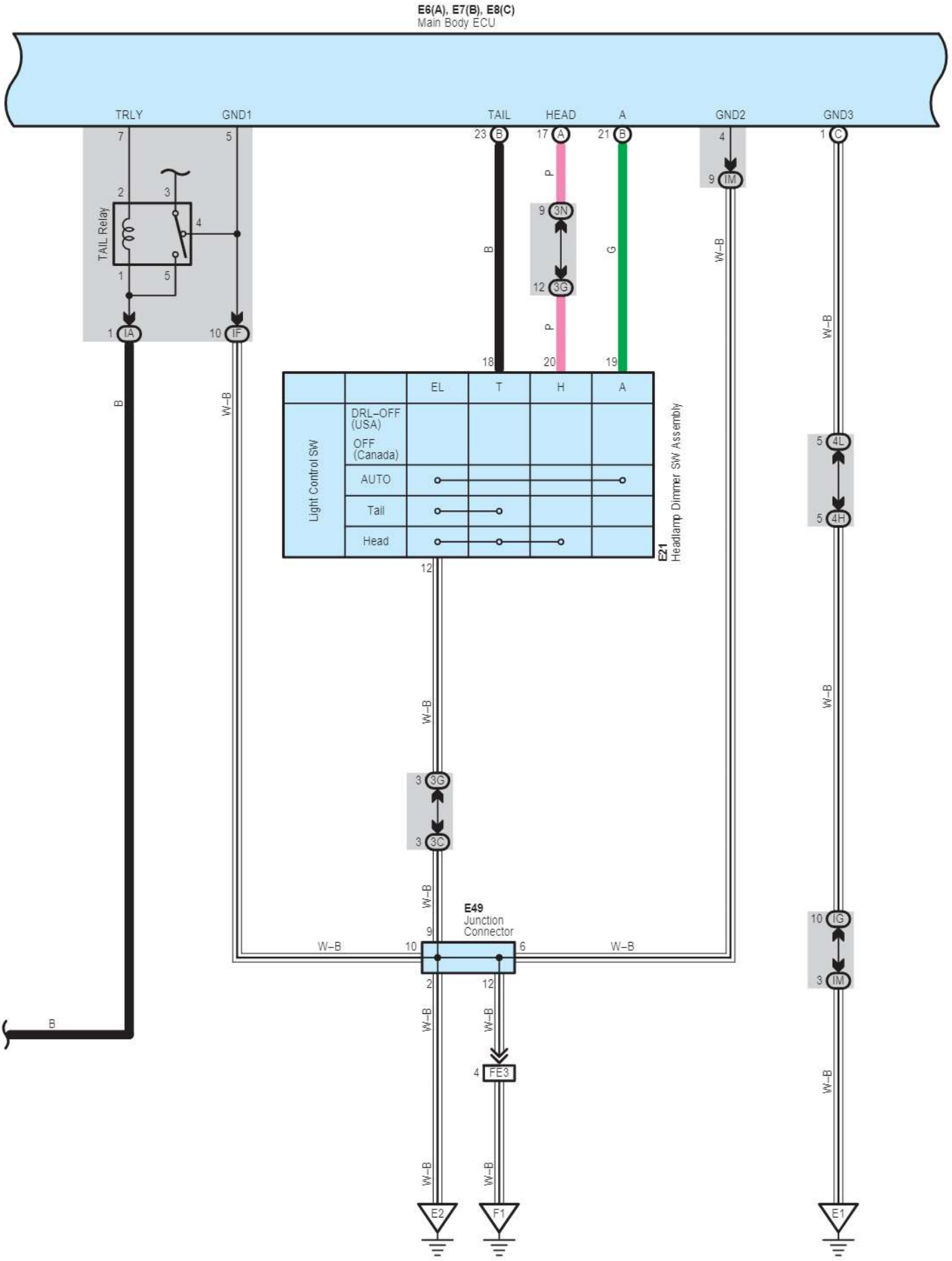
▭ : Connector Joining Wire Harness and Wire Harness

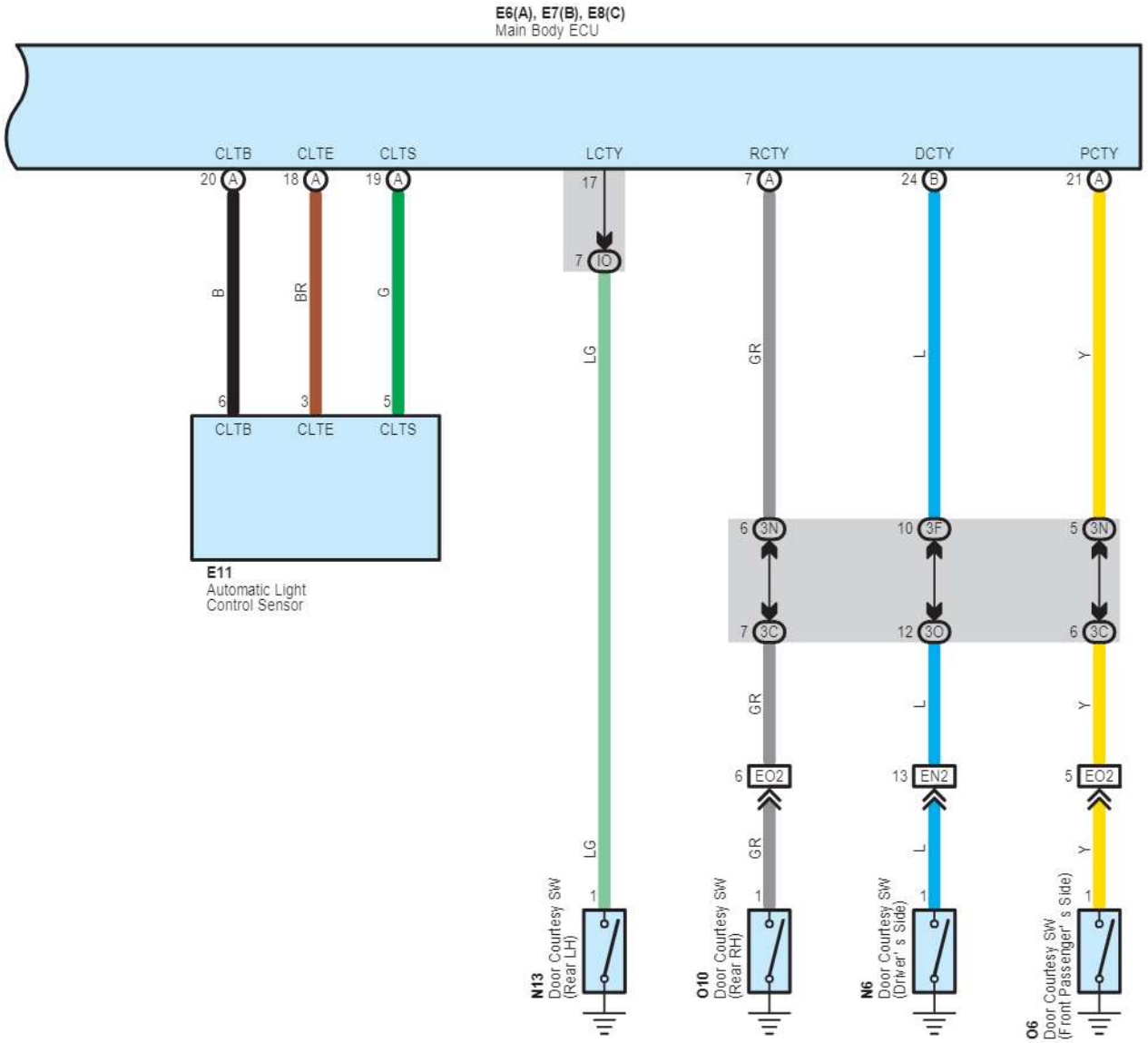
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
hA1	62	Floor No.4 Wire and Engine Room Main Wire (Near the Engine Room R/B and Engine Room J/B)
hO1	64	Floor No.4 Wire and Floor No.2 Wire (Near the Hybrid Battery)

▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	62	Front Left Fender
A3	63	Left Cowl Side Panel
A5	62	Front Right Fender
A6	63	Right Cowl Side Panel
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left


(BAT)
(BAT)
(ACC)
(IG)
E6(A), E7(B), E8(C)
Main Body ECU
25A DOOR NO. 1
25A DOOR NO. 2
7.5A ECU-ACC
10A ECU IG NO. 1
IG
ACC
BATB
ALTB
HRLY
15
22
2
6
8
16 1D
3 1D
2
1
W
W
P
1 1G
B
1 hA1
B
1 hO1
BR
1
120A DC/DC
H-LP (LL) Relay
H-LP (RL) Relay
1 1F
9 1D
B
P
B
025
Fusible Link Block
140A MAIN
Battery


E6(A), E7(B), E8(C)
Main Body ECU
TRLY
GND1
TAIL
HEAD
A
GND2
GND3
TAIL Relay
Light Control SW
DRL–OFF (USA)
OFF (Canada)
AUTO
Tail
Head
EL
T
H
A
E21
Headlamp Dimmer SW Assembly
E49
Junction Connector
W–B
B
P
G
E2
F1
E1
FE3


E6(A), E7(B), E8(C)
Main Body ECU
CLTB
CLTE
CLTS
LCTY
RCTY
DCTY
PCTY
20 A
18 A
19 A
17
7 IO
7 A
24 B
21 A
B
BR
G
LG
GR
L
Y
6
3
5
CLTB
CLTE
CLTS
E11
Automatic Light Control Sensor
6 3N
10 3F
5 3N
7 3C
12 3O
6 3C
6 EO2
13 EN2
5 EO2
1
N13
Door Courtesy SW (Rear LH)
O10
Door Courtesy SW (Rear RH)
N6
Door Courtesy SW (Driver's Side)
O6
Door Courtesy SW (Front Passenger's Side)

System Outline

Automatic Light Control Operation

The automatic light control system works when the light control SW is turned to AUTO. The automatic light control sensor detects the brightness around the vehicle. By this function, the system automatically turns the tail lamp and headlamp on if the brightness is below the regular level and turns the tail lamp and headlamp off when the surroundings become brighter than the regular level.

Light Auto Turn Off Operation

* When the other lamps than headlamps are lit under 'TAIL' or 'AUTO' condition of the light control SW, the tail lamps and front fog lamps are turned OFF if the power SW is changed from 'IG ON' to 'IG OFF', and the driver side door is opened from closed condition.
* When the headlamps are lit under 'HEAD' or 'AUTO' condition of the light control SW, if the power SW is changed from 'IG ON' to 'IG OFF', and the light OFF delay time (30 seconds) has passed since all the doors are closed from open condition or under all the door locked condition, operating the wireless door lock function turns OFF the headlamps, tail lamps and front fog lamps.

○ : Parts Location

Code		See Page	Code	See Page	Code	See Page
E6	A	52	E21	52	O6	56
E7	B	52	E49	53	O10	56
E8	C	52	N6	56	O25	56
E11		52	N13	56		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

▭ : Junction Block and Wire Harness Connector

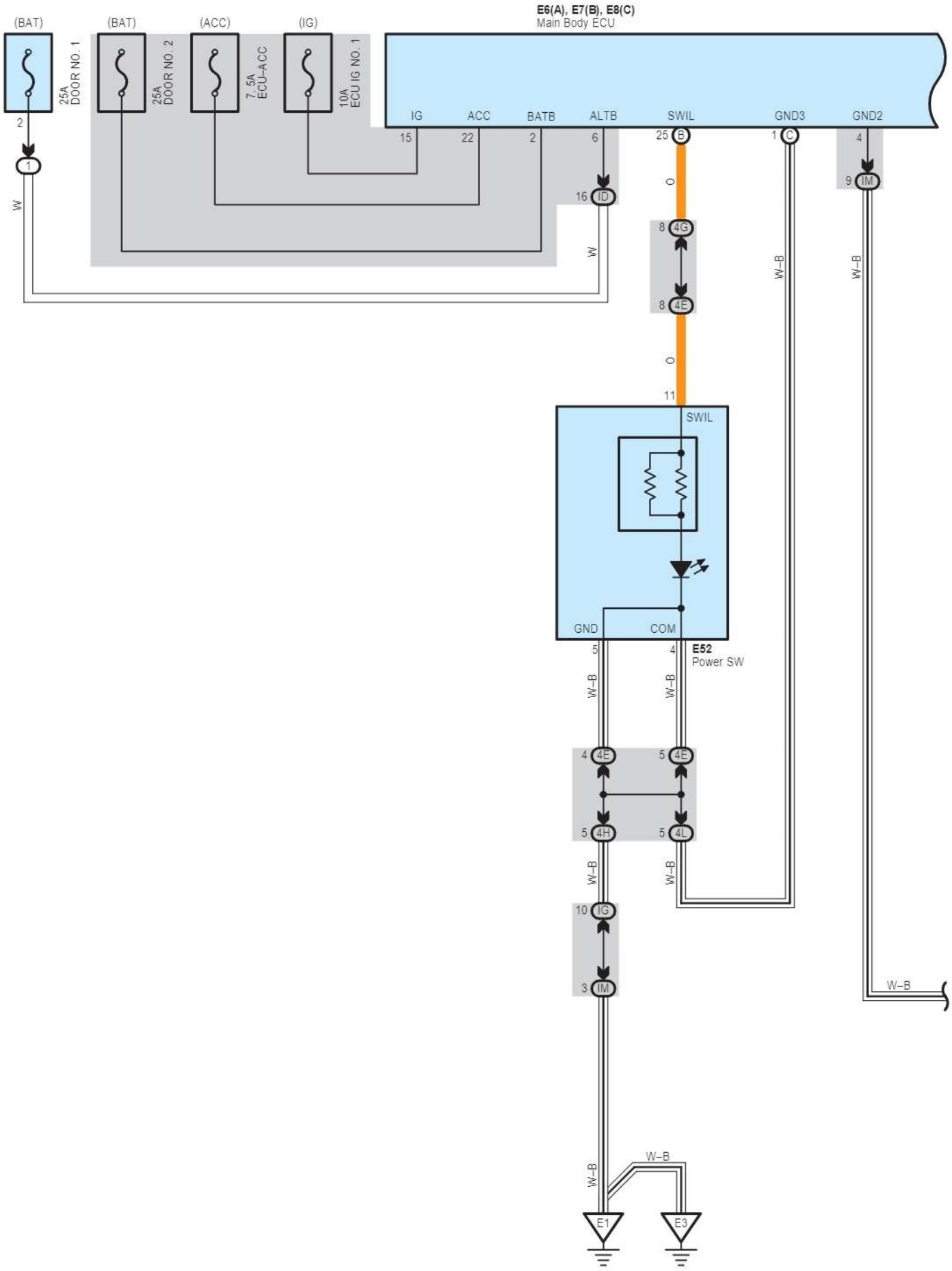
Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F	23	
1G		
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3F		
3G		
3N		
3O		
4H	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4L		
IA	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IM	30	
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

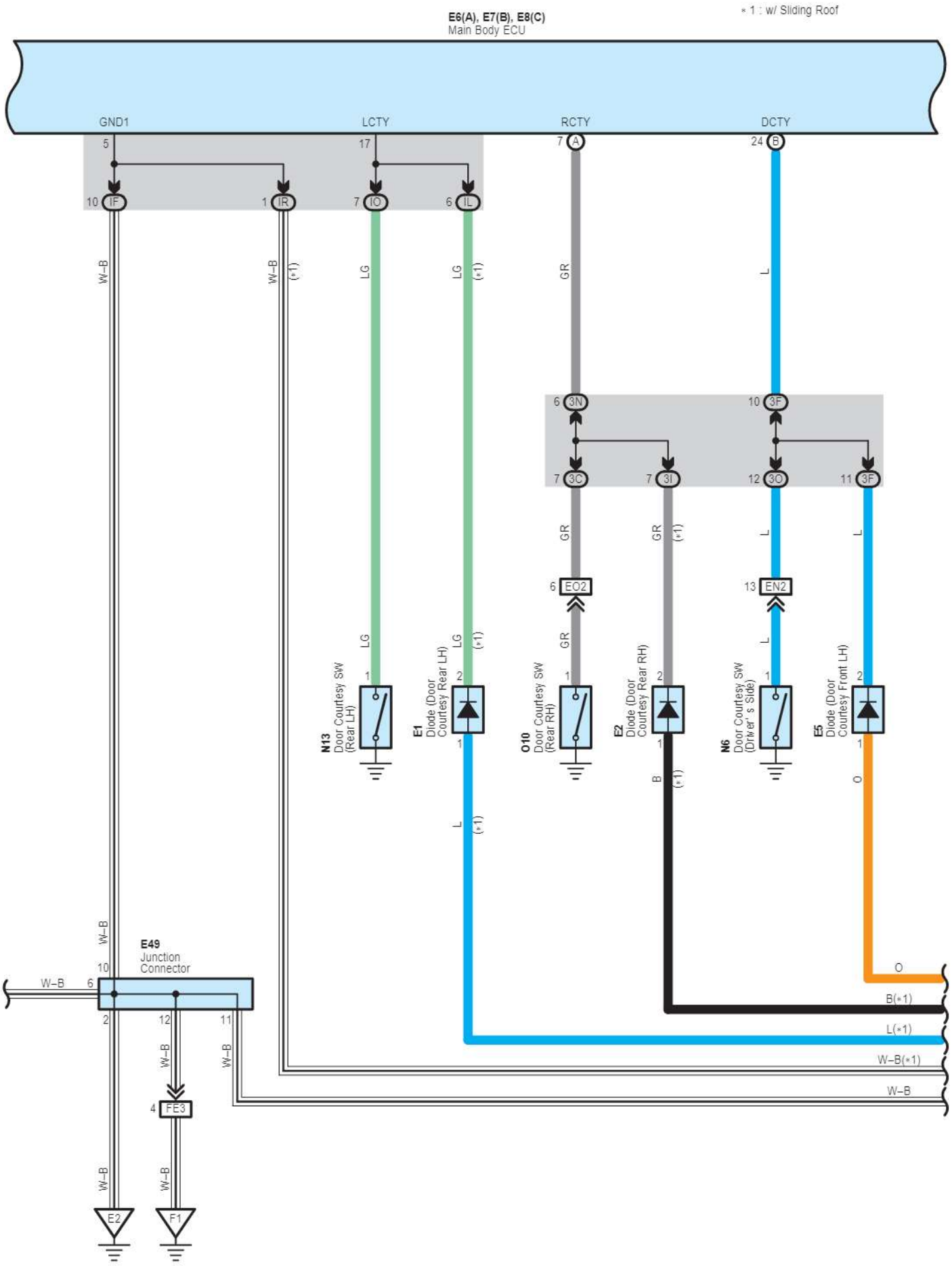
▭ : Connector Joining Wire Harness and Wire Harness

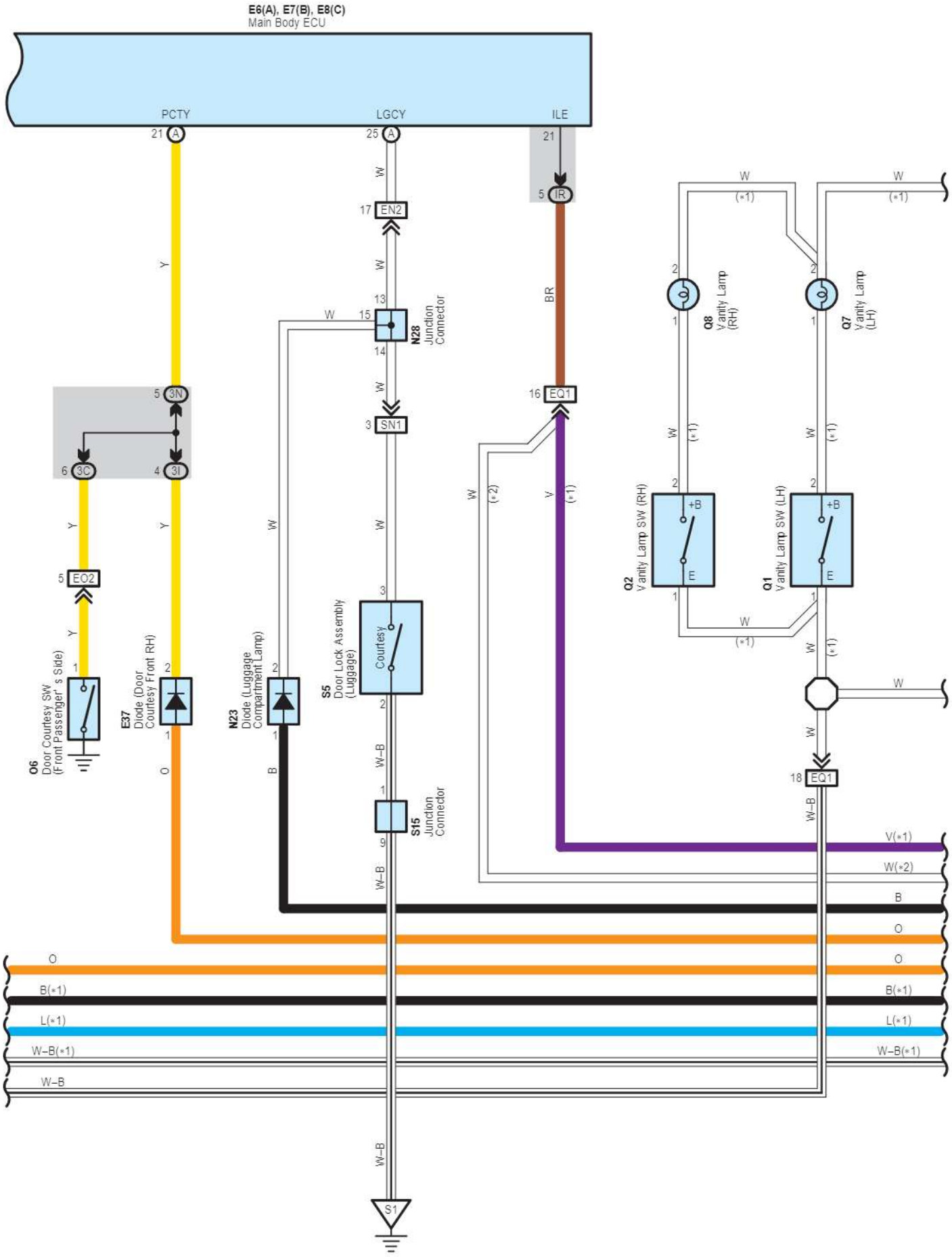
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
hA1	62	Floor No.4 Wire and Engine Room Main Wire (Near the Engine Room R/B and Engine Room J/B)
hO1	64	Floor No.4 Wire and Floor No.2 Wire (Near the Hybrid Battery)

▽ : **Ground Points**

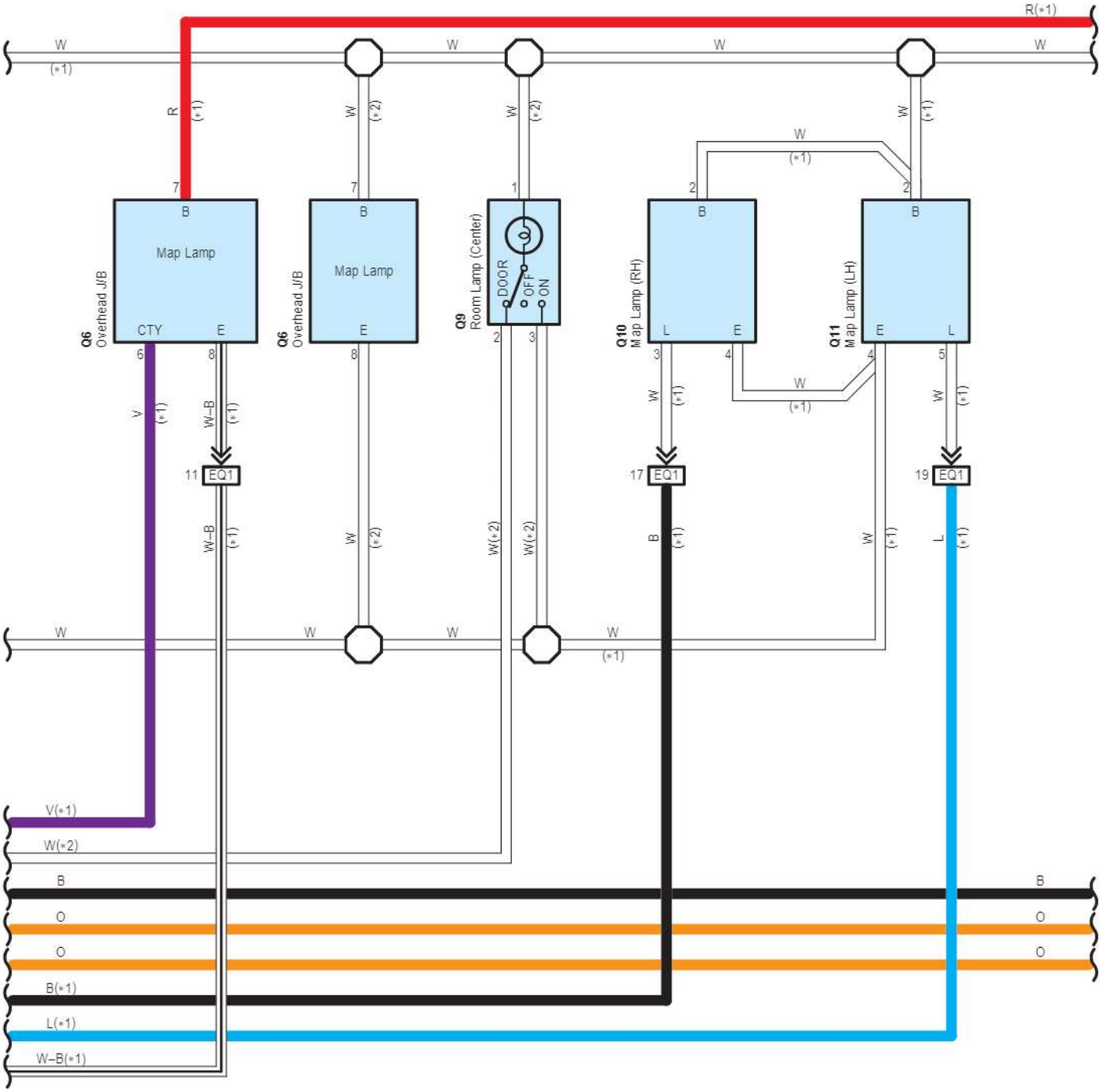
Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left

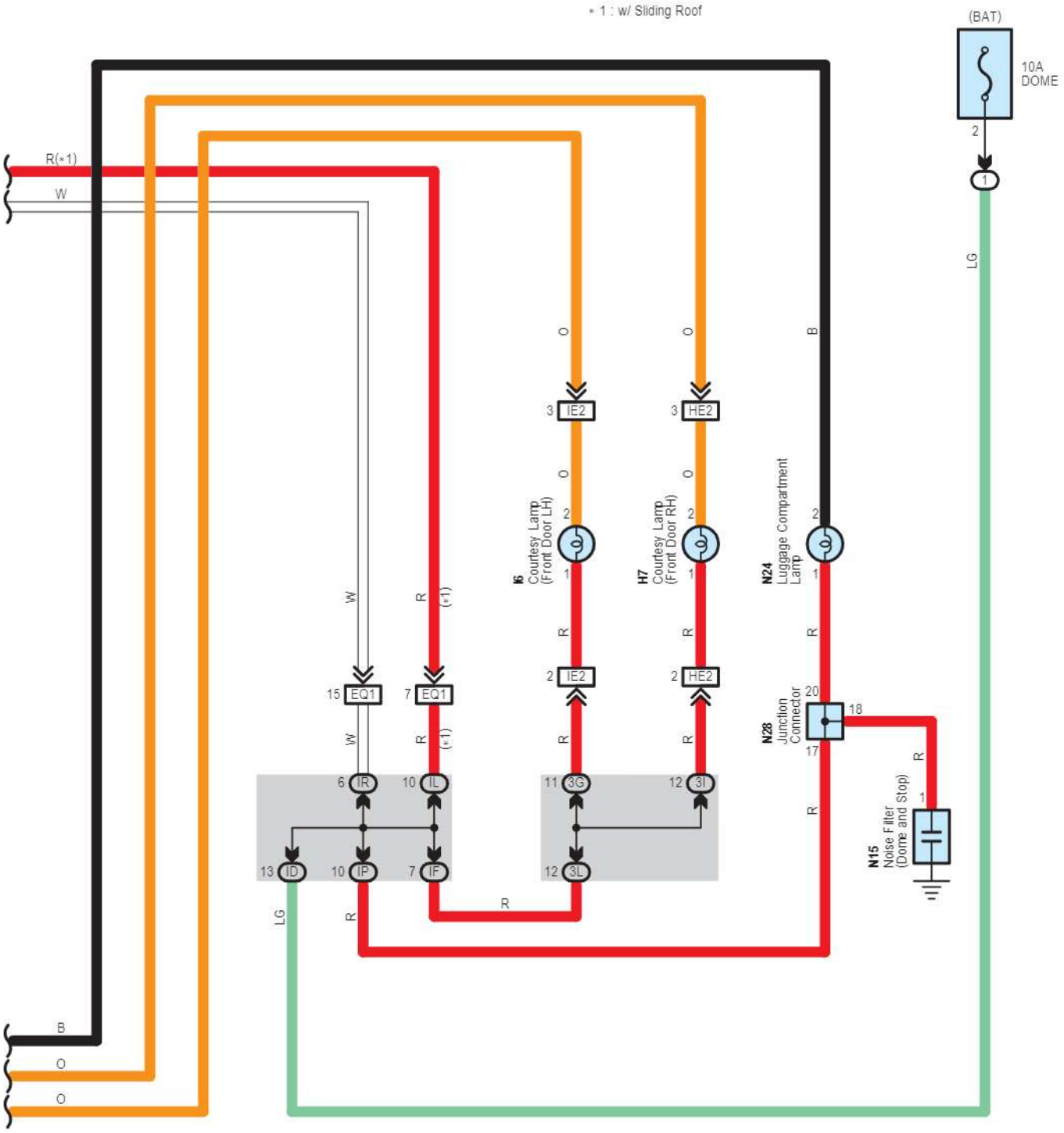

(BAT)
(BAT)
(ACC)
(IG)
25A DOOR NO. 1
25A DOOR NO. 2
7.5A ECU-ACC
10A ECU IG NO. 1
E6(A), E7(B), E8(C)
Main Body ECU
IG
ACC
BATB
ALTB
SWIL
GND3
GND2
15
22
2
6
25 B
1 C
4
9 IM
16 ID
8 4G
8 4E
11
W
O
W-B
SWIL
GND
COM
E52
Power SW
5
4
4 4E
5 4E
5 4H
5 4L
10 IG
3 IM
E1
E3
2
1


E6(A), E7(B), E8(C)
Main Body ECU
* 1 : w/ Sliding Roof
GND1
LCTY
RCTY
DCTY
5
17
7 A
24 B
10 IF
1 IR
7 IO
6 IL
6 3N
10 3F
7 3C
7 3I
12 3O
11 3F
6 EO2
13 EN2
W-B
LG
GR
L
O
B
(*1)
N13
Door Courtesy SW (Rear LH)
E1
Diode (Door Courtesy Rear LH)
O10
Door Courtesy SW (Rear RH)
E2
Diode (Door Courtesy Rear RH)
N6
Door Courtesy SW (Driver's Side)
E5
Diode (Door Courtesy Front LH)
E49
Junction Connector
4 FE3
E2
F1
B(*1)
L(*1)
W-B(*1)
W-B


E6(A), E7(B), E8(C)
Main Body ECU
PCTY
LGCY
ILE
21 A
25 A
21
5 IR
17 EN2
13
15
14
N28
Junction Connector
16 EQ1
3 SN1
5 3N
6 3C
4 3I
5 EO2
W
Y
BR
O6
Door Courtesy SW (Front Passenger's Side)
E37
Diode (Door Courtesy Front RH)
N23
Diode (Luggage Compartment Lamp)
S5
Door Lock Assembly (Luggage)
Courtesy
S15
Junction Connector
9
18 EQ1
W-B
B
O
Q8
Vanity Lamp (RH)
Q7
Vanity Lamp (LH)
Q2
Vanity Lamp SW (RH)
Q1
Vanity Lamp SW (LH)
+B
E
(*1)
(*2)
V
V(*1)
W(*2)
B(*1)
L(*1)
W-B(*1)
S1

＊1 : w/ Sliding Roof
＊2 : w/o Sliding Roof




* 1 : w/ Sliding Roof
(BAT)
10A
DOME
2
1
LG
R(*1)
W
B
O
O
O
3 IE2
3 HE2
2
1
I6
Courtesy Lamp
(Front Door LH)
H7
Courtesy Lamp
(Front Door RH)
N24
Luggage Compartment
Lamp
R
2 IE2
2 HE2
15 EQ1
7 EQ1
W
R
(*1)
N28
Junction
Connector
20
18
17
6 IR
10 IL
11 3G
12 3I
13 ID
10 IP
7 IF
12 3L
N15
Noise Filter
(Dome and Stop)

System Outline

1. Dome Light Illumination Function

When any door is opened, the dome light (If SW is set to 'DOOR'). Then when all the doors are closed (Any door is unlocked), the illumination is kept ON with the timer for approximately for 15 seconds and then is turned OFF in fade–out manner when the timer is completed.

2. Battery Saver Function

If the illumination is kept on for 20 minutes with a door open, it is turned OFF automatically.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
E1	52	I6	57	Q2	57
E2	52	N6	56	Q6	57
E5	52	N13	56	Q7	57
E6 A	52	N15	56	Q8	57
E7 B	52	N23	56	Q9	57
E8 C	52	N24	56	Q10	57
E37	53	N28	56	Q11	57
E49	53	O6	56	S5	57
E52	53	O10	56	S15	57
H7	57	Q1	57		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

▭ : Junction Block and Wire Harness Connector

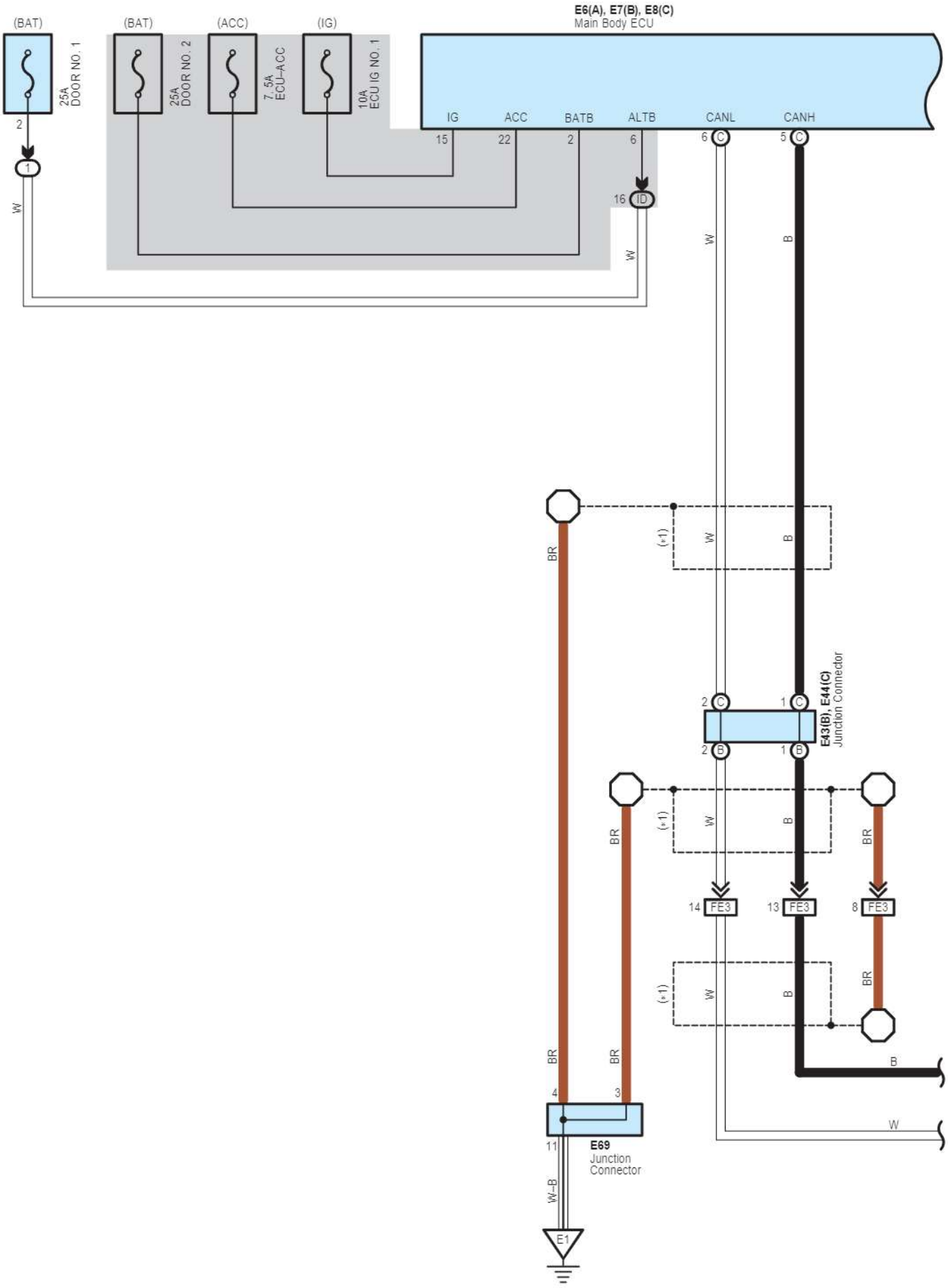
Code	See Page	Junction Block and Wire Harness (Connector Location)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3F		
3G		
3I		
3L		
3N		
3O		
4E	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4G		
4H		
4L		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IL	30	
IM		
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)
IP		
IR	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
EQ1	63	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
HE2	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IE2	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

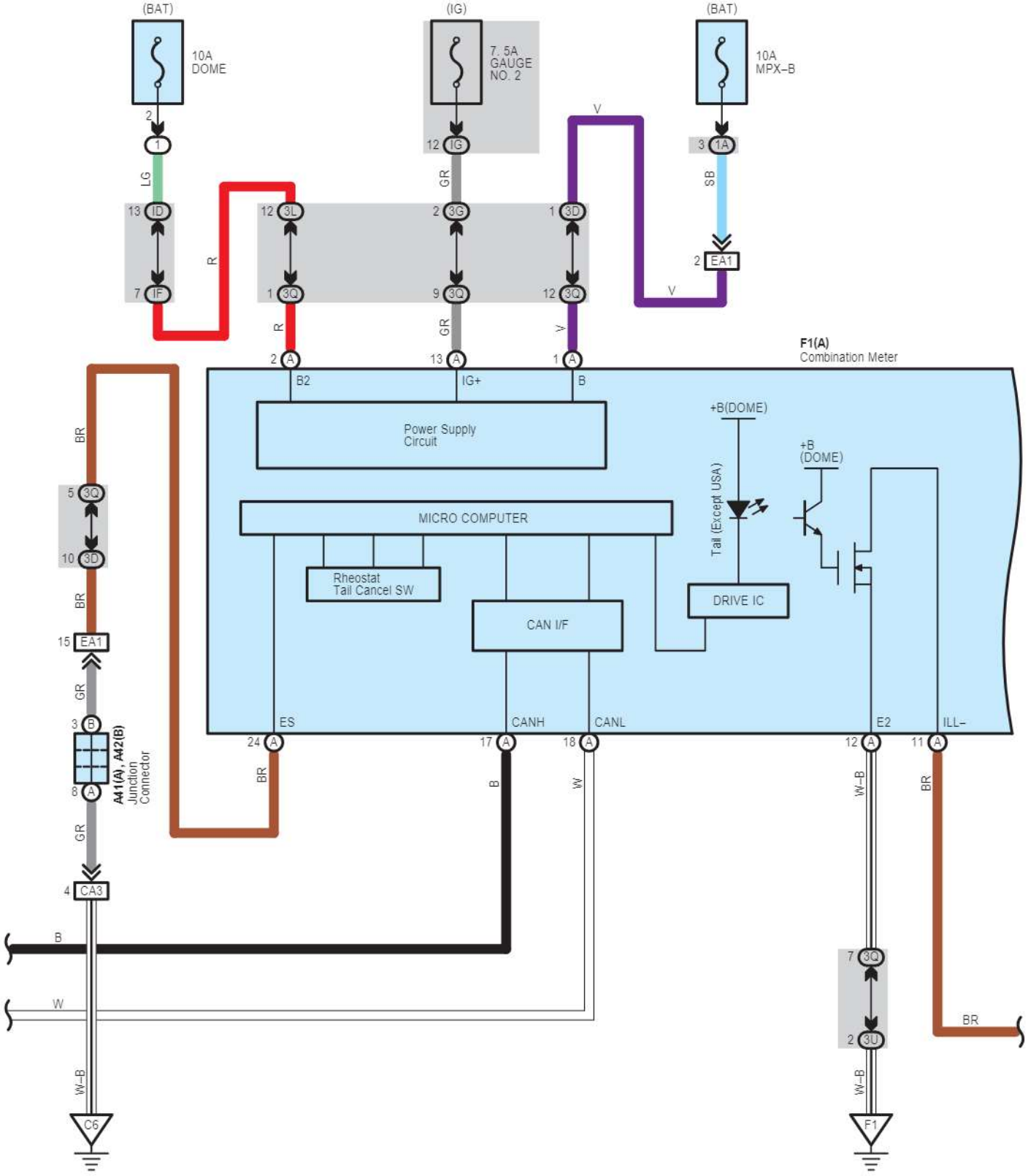
: **Ground Points**

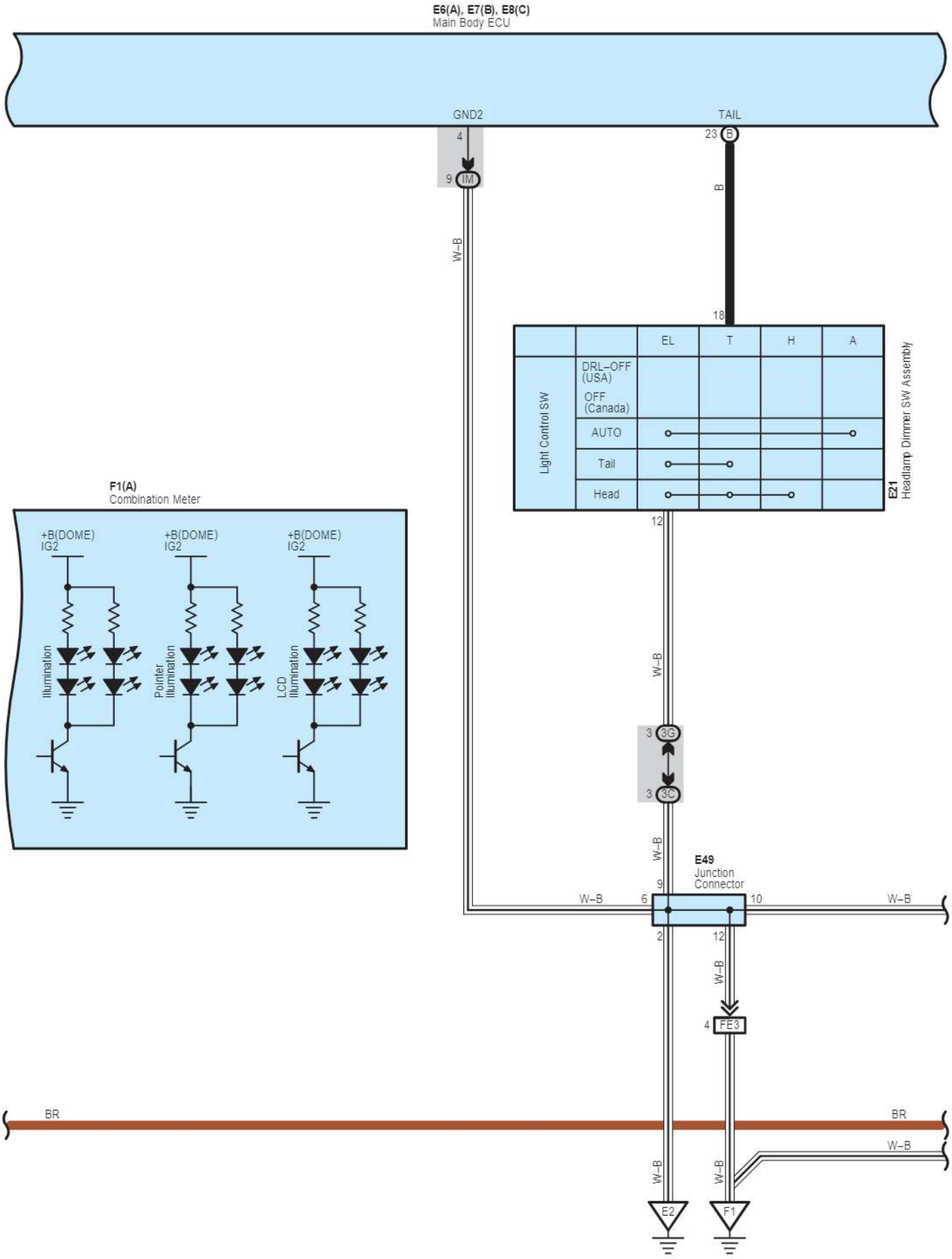
Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
E3	63	Instrument Panel Right
F1	63	Instrument Panel Left
S1	64	Lower Back Panel Center

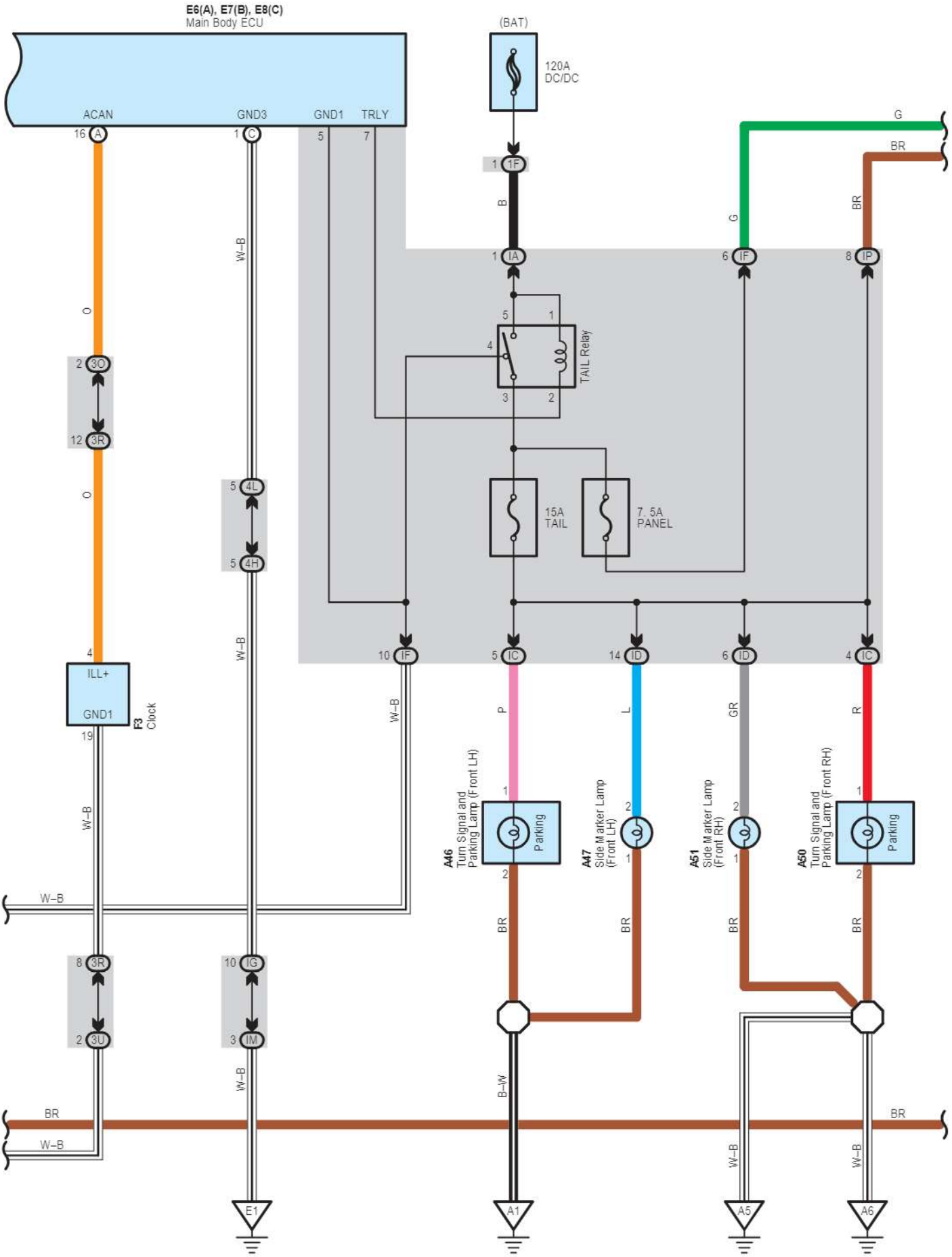

(BAT)
(BAT)
(ACC)
(IG)
25A DOOR NO. 1
25A DOOR NO. 2
7.5A ECU-ACC
10A ECU IG NO. 1
E6(A), E7(B), E8(C)
Main Body ECU
IG
ACC
BATB
ALTB
CANL
CANH
15
22
2
6
6
5
16
ID
W
B
BR
(+1)
E43(B), E44(C)
Junction Connector
14
13
8
FE3
4
3
11
E69
Junction Connector
W-B
E1

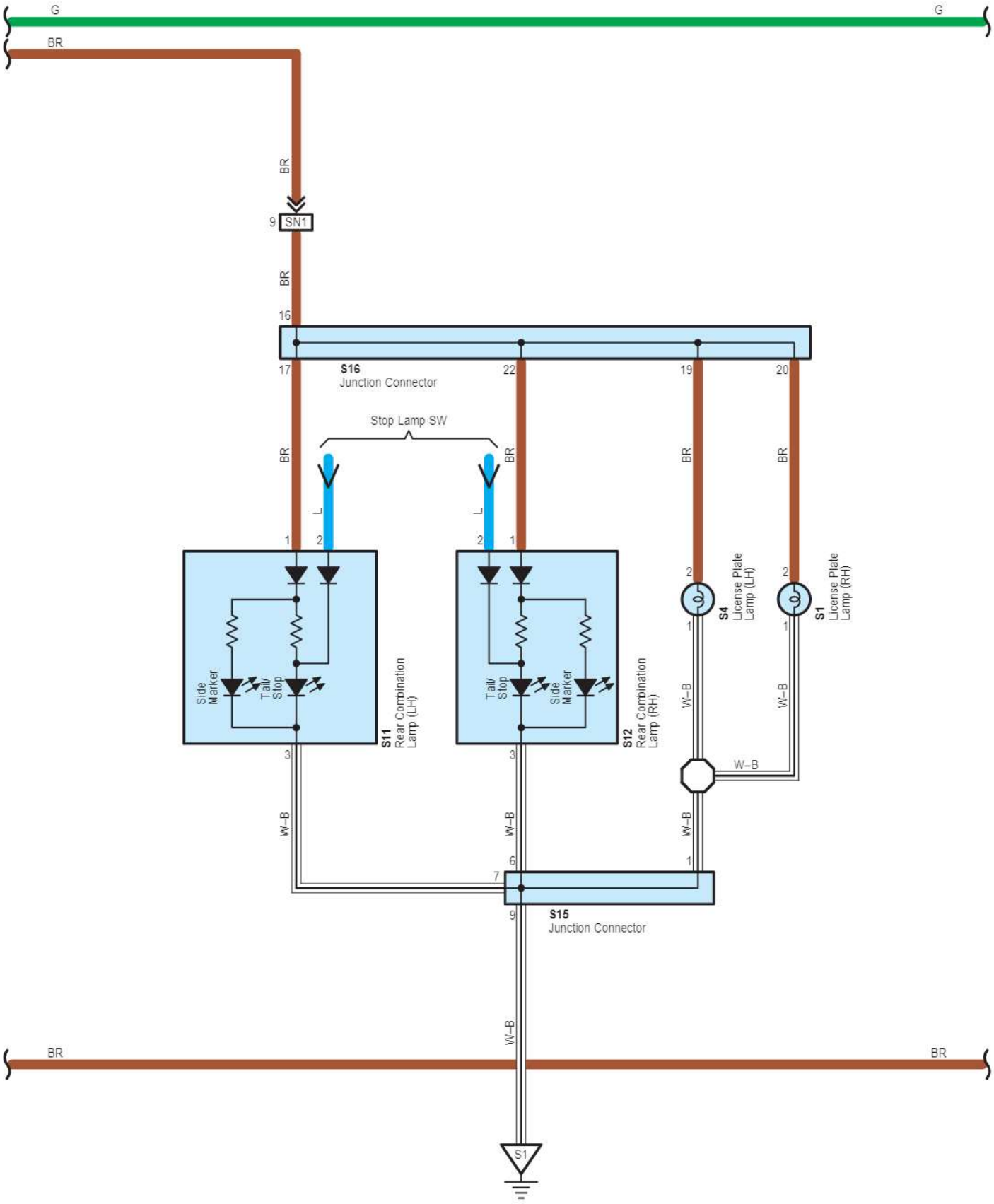
* 1 : Shielded

E6(A), E7(B), E8(C)
Main Body ECU

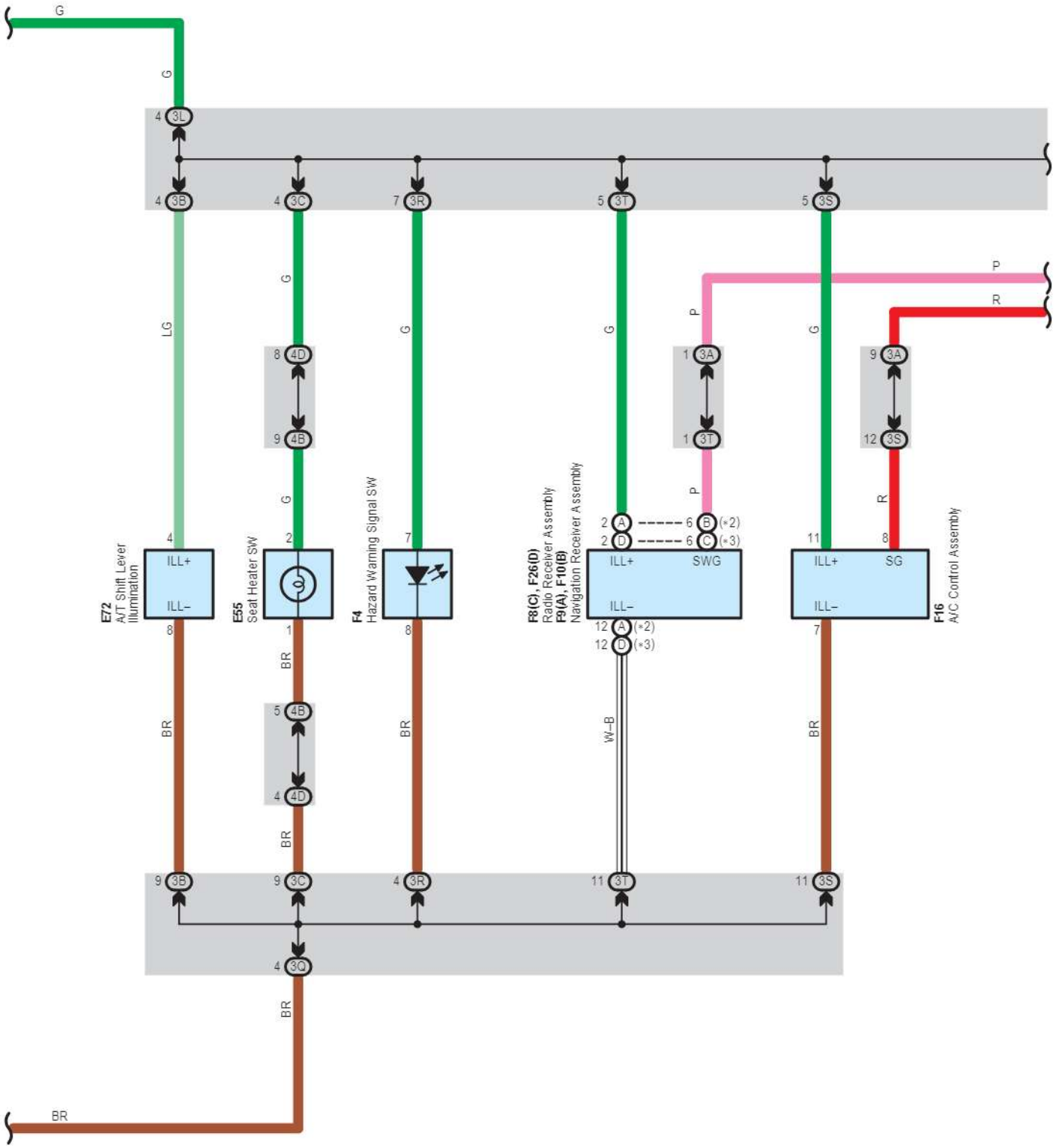


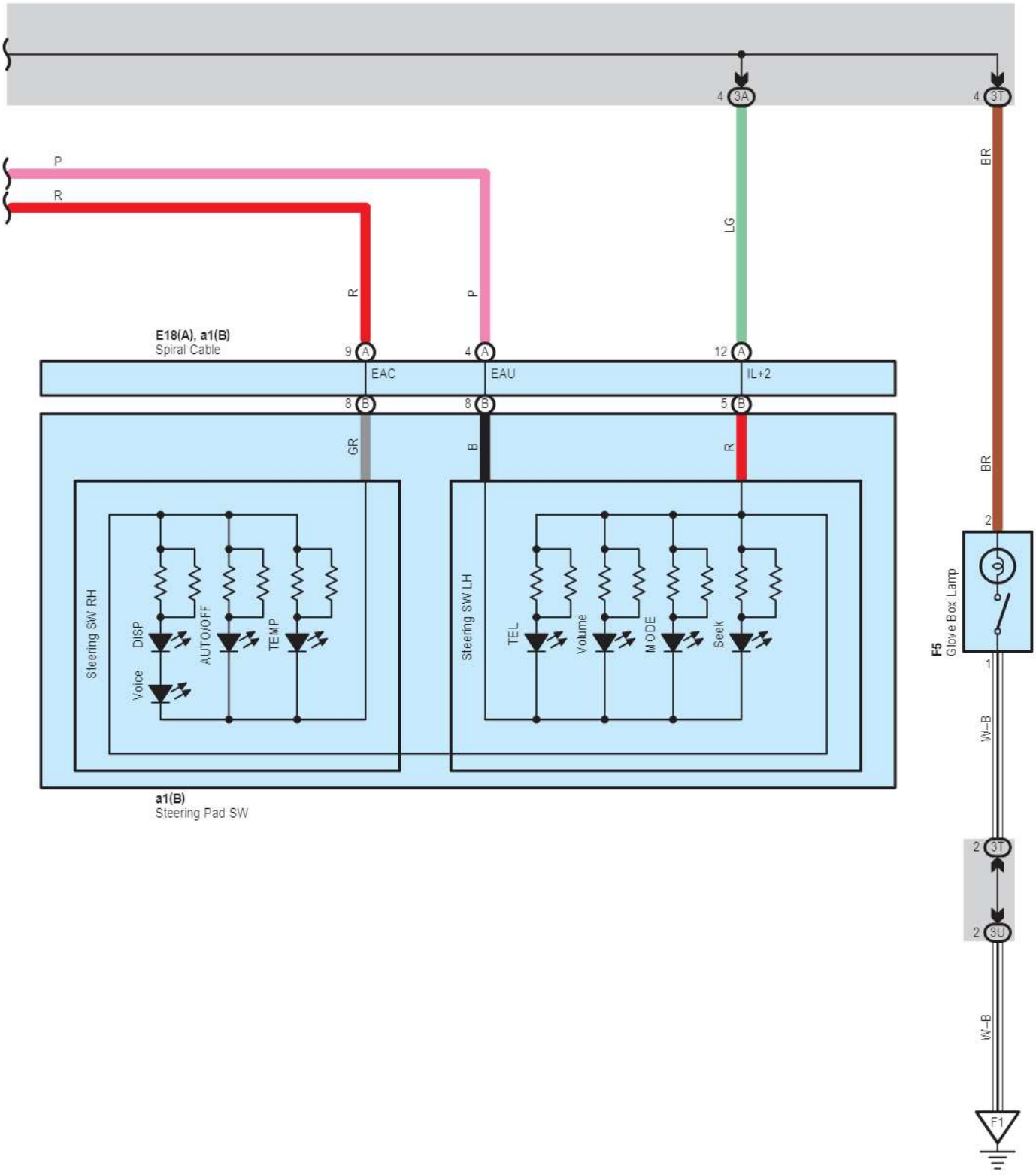

E6(A), E7(B), E8(C)
Main Body ECU
GND2
TAIL
4
9
IM
23
B
B
W-B
18
EL
T
H
A
Light Control SW
DRL-OFF (USA)
OFF (Canada)
AUTO
Tail
Head
E21
Headlamp Dimmer SW Assembly
12
F1(A)
Combination Meter
+B(DOME)
IG2
Illumination
Pointer Illumination
LCD Illumination
W-B
3
3G
3C
E49
Junction Connector
9
6
10
2
12
4
FE3
BR
E2
F1


E6(A), E7(B), E8(C)
Main Body ECU
ACAN
GND3
GND1
TRLY
16 A
1 C
5
7
(BAT)
120A
DC/DC
1 1F
B
1 IA
G
BR
6 IF
8 IP
5
1
4
3
2
TAIL Relay
15A
TAIL
7. 5A
PANEL
2 3O
12 3R
5 4L
5 4H
4
ILL+
GND1
F3
Clock
19
W–B
10 IF
5 IC
14 ID
6 ID
4 IC
P
L
GR
R
A46
Turn Signal and
Parking Lamp (Front LH)
Parking
A47
Side Marker Lamp
(Front LH)
A51
Side Marker Lamp
(Front RH)
A50
Turn Signal and
Parking Lamp (Front RH)
8 3R
2 3U
10 IG
3 IM
B–W
E1
A1
A5
A6


G
G
BR
BR
9
SN1
BR
16
17
S16
Junction Connector
22
19
20
Stop Lamp SW
BR
BR
BR
BR
L
L
1
2
2
1
Side Marker
Tail/ Stop
S11
Rear Combination Lamp (LH)
Tail/ Stop
Side Marker
S12
Rear Combination Lamp (RH)
2
1
S4
License Plate Lamp (LH)
2
1
S1
License Plate Lamp (RH)
W-B
W-B
W-B
W-B
3
3
6
7
1
9
S15
Junction Connector
W-B
BR
BR
S1

* 2 : w/ Navigation System
* 3 : w/o Navigation System




4 3A
4 3T
P
R
R
P
LG
BR
E18(A), a1(B)
Spiral Cable
9 A
4 A
12 A
EAC
EAU
IL+2
8 B
8 B
5 B
GR
B
R
BR
2
F5
Glove Box Lamp
1
W-B
Steering SW RH
DISP
AUTO/OFF
TEMP
Voice
Steering SW LH
TEL
Volume
MODE
Seek
2 3T
2 3U
W-B
F1
a1(B)
Steering Pad SW

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A41 A	55	E43 B	48, 53	F9 A	54
A42 B	55	E44 C	48, 53	F10 B	54
A46	50	E49	53	F16	54
A47	50	E55	53	F26 D	54
A50	50	E69	53	S1	57
A51	50	E72	53	S4	57
E6 A	52	F1 A	54	S11	57
E7 B	52	F3	54	S12	57
E8 C	52	F4	54	S15	57
E18 A	52	F5	54	S16	57
E21	52	F8 C	54	a1 B	55

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

⬭ : Junction Block and Wire Harness Connector

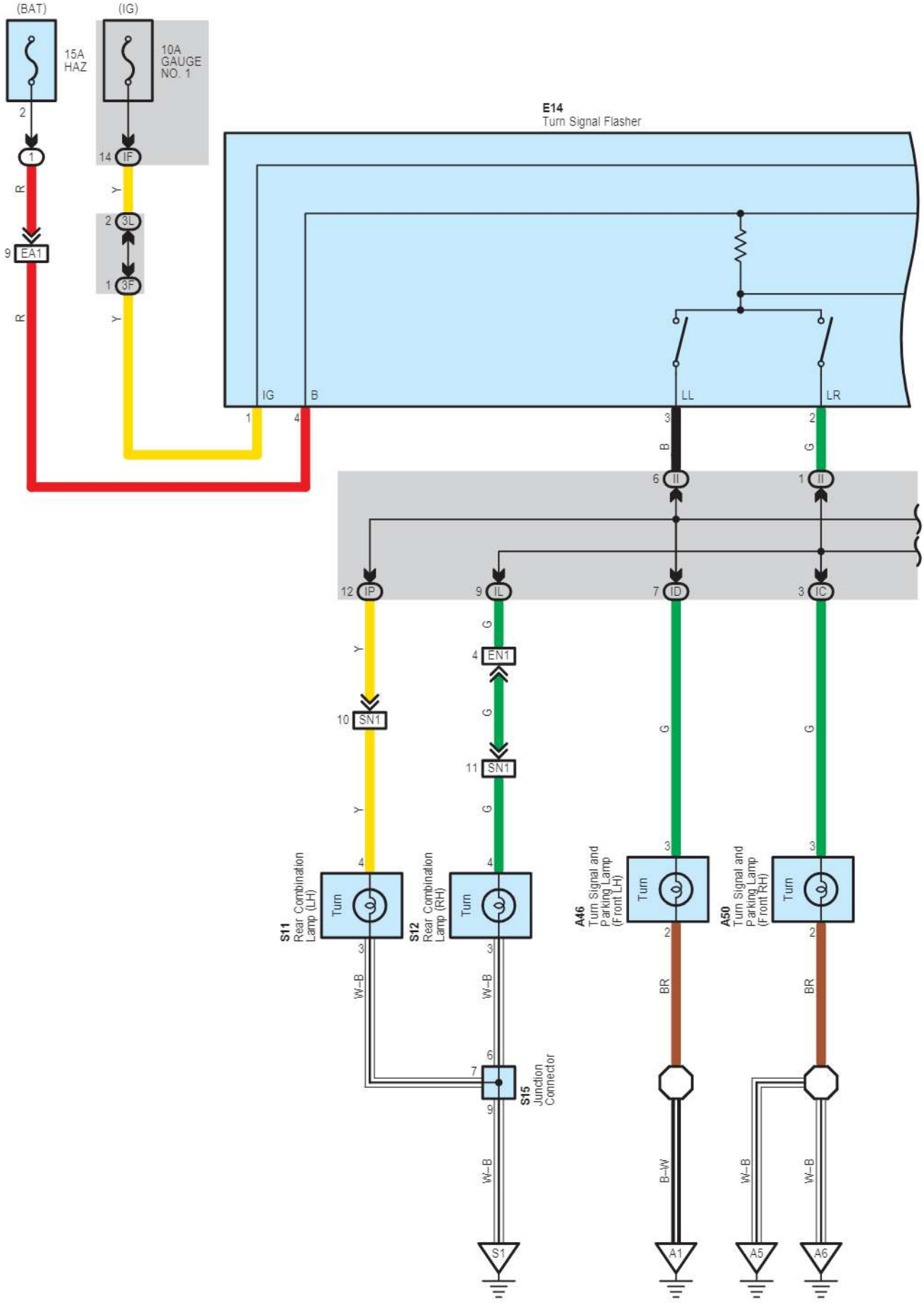
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F	23	
3A	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3B		
3C		
3D		
3G		
3L		
3O		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3R		
3S		
3T		
3U		
4B	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4D		
4H		
4L		
IA	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IC		
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IM	30	
IP	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

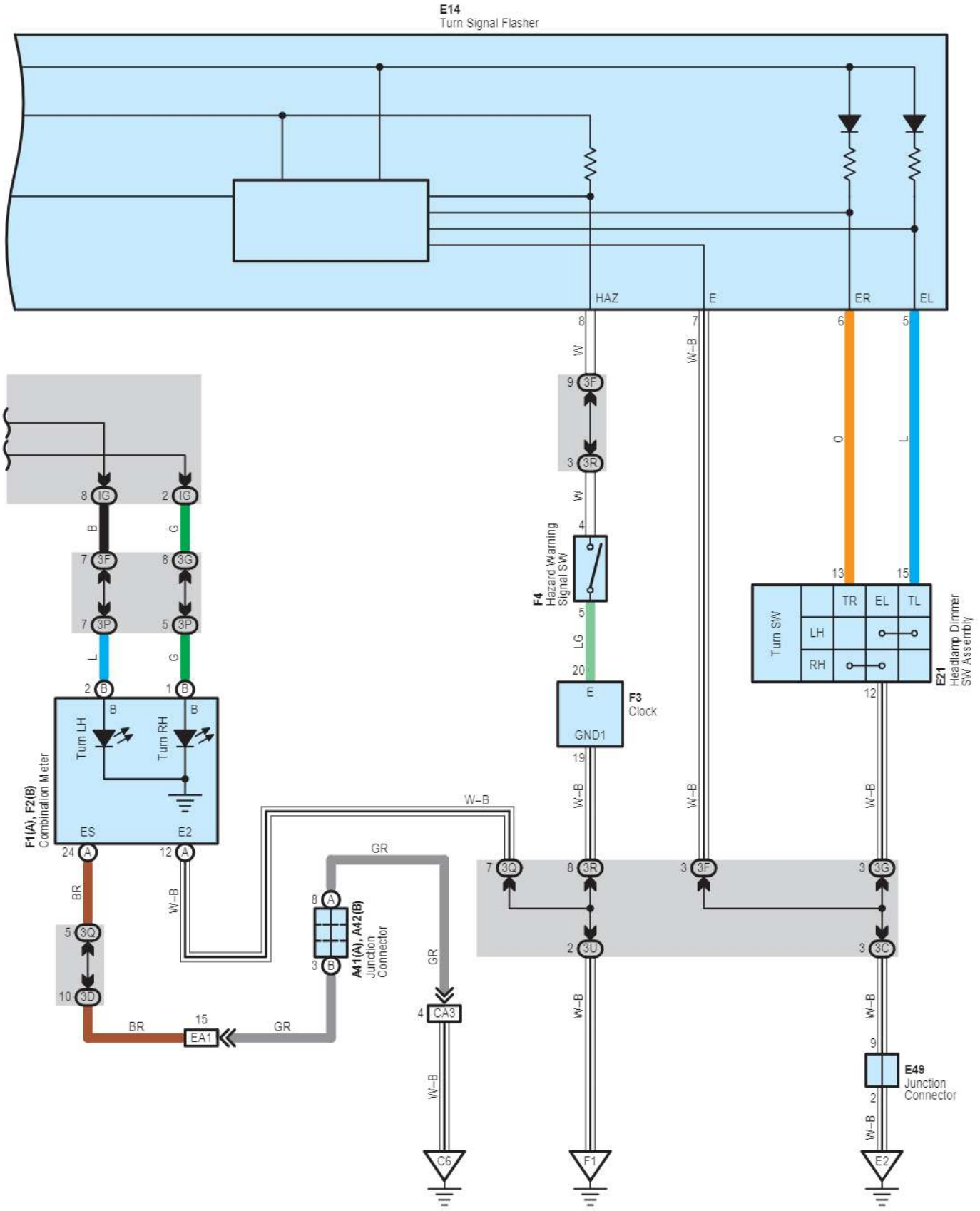
▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	62	Front Left Fender
A5	62	Front Right Fender
A6	63	Right Cowl Side Panel
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
S1	64	Lower Back Panel Center


(BAT)
(IG)
15A
HAZ
10A
GAUGE
NO. 1
E14
Turn Signal Flasher
IG
B
LL
LR
EA1
3L
3F
IF
IP
IL
ID
IC
EN1
SN1
S11
Rear Combination
Lamp (LH)
S12
Rear Combination
Lamp (RH)
Turn
A46
Turn Signal and
Parking Lamp
(Front LH)
A50
Turn Signal and
Parking Lamp
(Front RH)
S15
Junction
Connector
S1
A1
A5
A6


E14
Turn Signal Flasher
HAZ
E
ER
EL
F4
Hazard Warning Signal SW
F3
Clock
GND1
E21
Headlamp Dimmer SW Assembly
Turn SW
TR
EL
TL
LH
RH
F1(A), F2(B)
Combination Meter
Turn LH
Turn RH
ES
E2
A41(A), A42(B)
Junction Connector
E49
Junction Connector
W–B
GR
BR
LG
C6
F1
E2
EA1
CA3

Turn Signal and Hazard Warning Light

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A41 A	55	E21	52	F4	54
A42 B	55	E49	53	S11	57
A46	50	F1 A	54	S12	57
A50	50	F2 B	54	S15	57
E14	52	F3	54		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

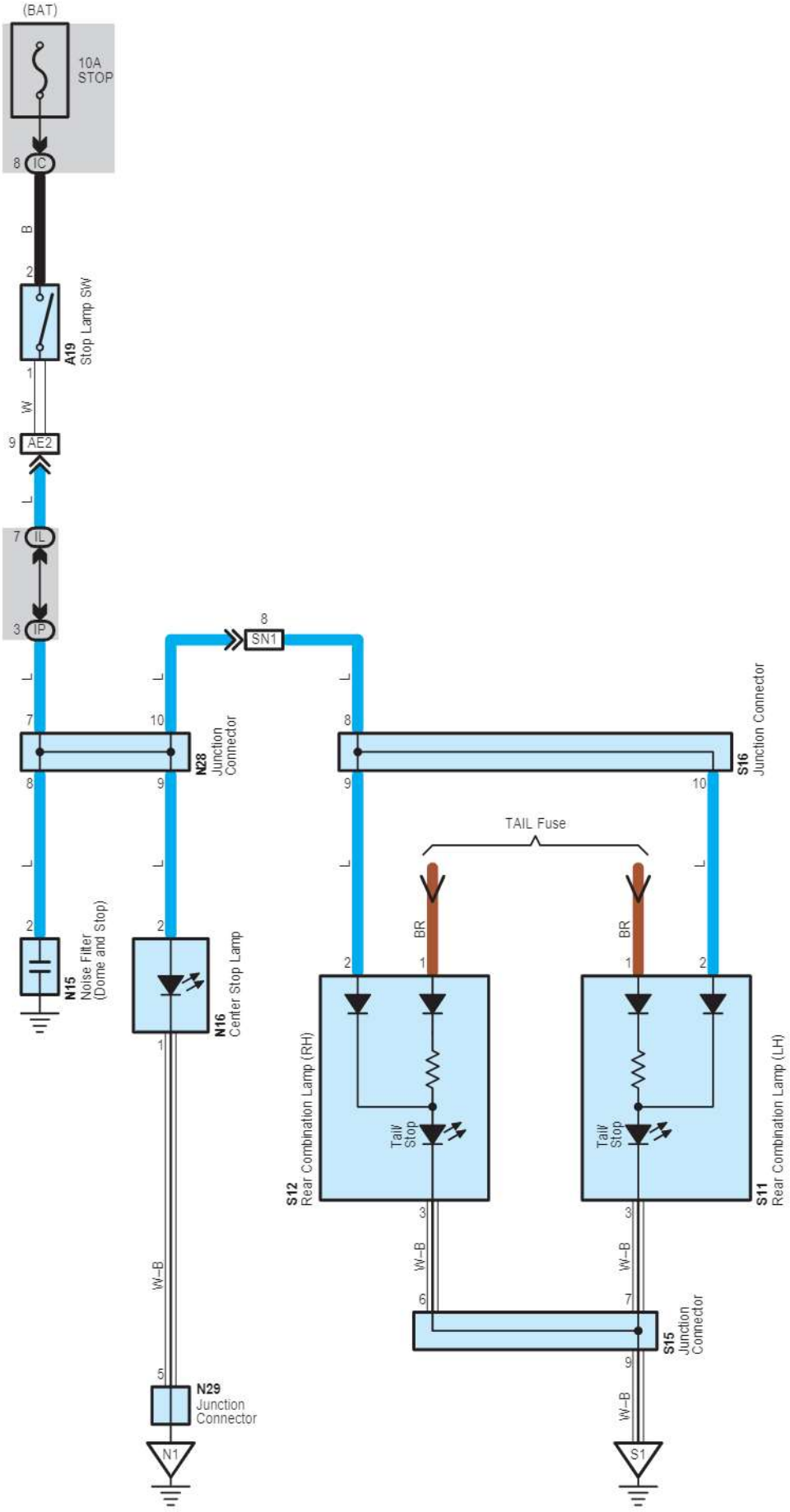
Code	See Page	Junction Block and Wire Harness (Connector Location)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3F		
3G		
3L		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3R		
3U		
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
II		
IL	30	
IP	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN1	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

: Ground Points

Code	See Page	Ground Points Location
A1	62	Front Left Fender
A5	62	Front Right Fender
A6	63	Right Cowl Side Panel
C6	62	Cylinder Block
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
S1	64	Lower Back Panel Center


(BAT)
10A
STOP
8
IC
B
2
A19
Stop Lamp SW
1
W
9
AE2
L
7
IL
3
IP
8
SN1
L
7
10
N28
Junction
Connector
8
9
S16
Junction Connector
9
10
TAIL Fuse
L
2
N15
Noise Filter
(Dome and Stop)
2
N16
Center Stop Lamp
1
BR
2
1
BR
1
2
S12
Rear Combination Lamp (RH)
Tail
Stop
S11
Rear Combination Lamp (LH)
Tail
Stop
W-B
5
N29
Junction
Connector
N1
3
6
7
S15
Junction
Connector
9
S1

○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
A19	55	N28	56	S12	57
N15	56	N29	56	S15	57
N16	56	S11	57	S16	57

⬭ : **Junction Block and Wire Harness Connector**

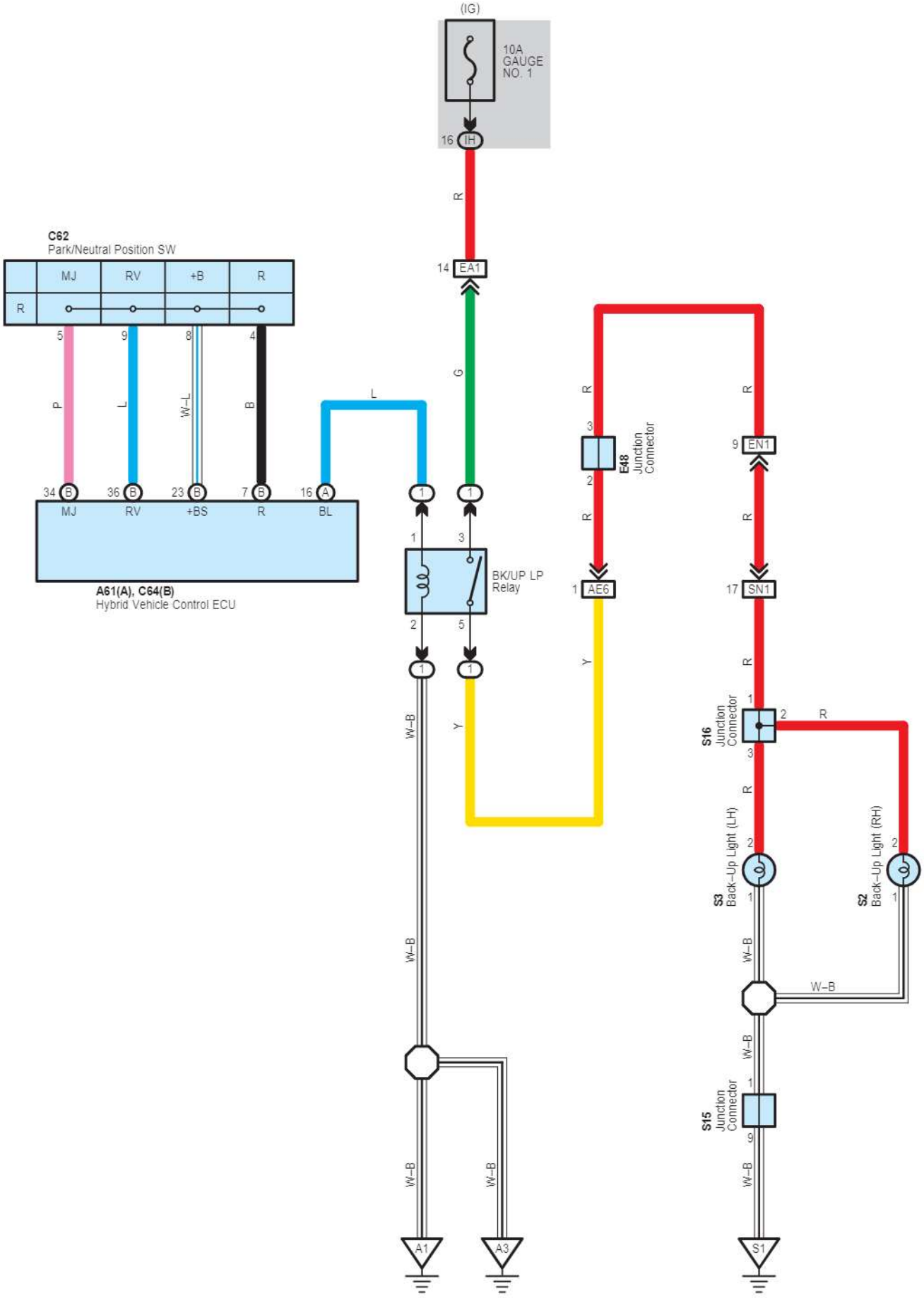
Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IL	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IP	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

▭ : **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

▽ : **Ground Points**

Code	See Page	Ground Points Location
N1	64	Left Rear Quarter Panel
S1	64	Lower Back Panel Center


(IG)
10A
GAUGE
NO. 1
16 IH
R
14 EA1
G
C62
Park/Neutral Position SW
MJ
RV
+B
R
R
5
9
8
4
P
L
W–L
B
L
34 B
36 B
23 B
7 B
16 A
MJ
RV
+BS
R
BL
A61(A), C64(B)
Hybrid Vehicle Control ECU
1
3
2
5
BK/UP LP
Relay
R
3
2
E48
Junction
Connector
1 AE6
Y
R
9 EN1
R
17 SN1
R
1
2
R
S16
Junction
Connector
3
R
2
S3
Back–Up Light (LH)
1
S2
Back–Up Light (RH)
2
1
W–B
W–B
W–B
1
S15
Junction
Connector
9
W–B
W–B
W–B
A1
A3
S1

: Parts Location

Code		See Page	Code	See Page	Code	See Page
A61	A	50	E48	53	S15	57
C62		51	S2	57	S16	57
C64	B	51	S3	57		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

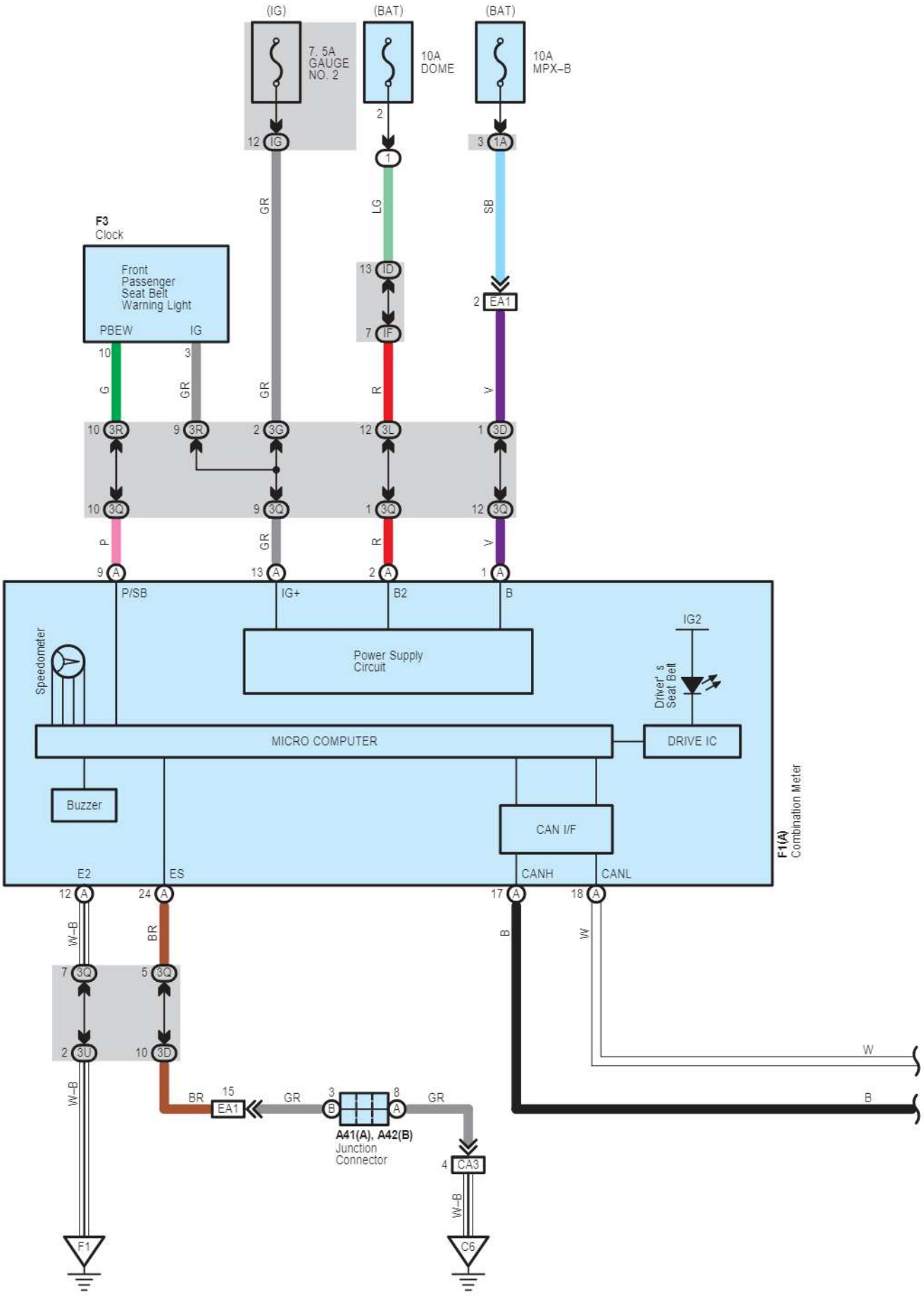
Code	See Page	Junction Block and Wire Harness (Connector Location)
IH	31	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

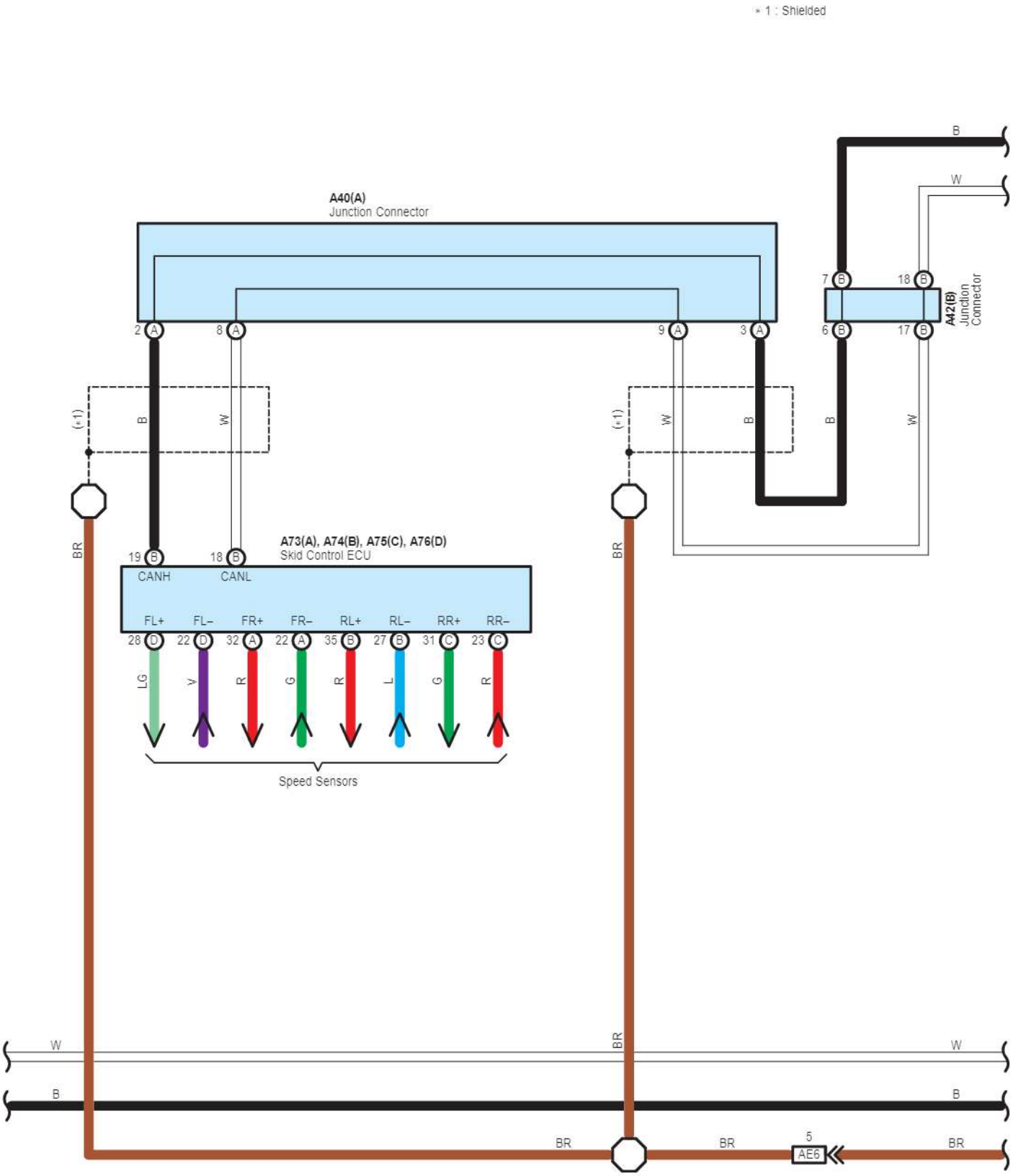
: Connector Joining Wire Harness and Wire Harness

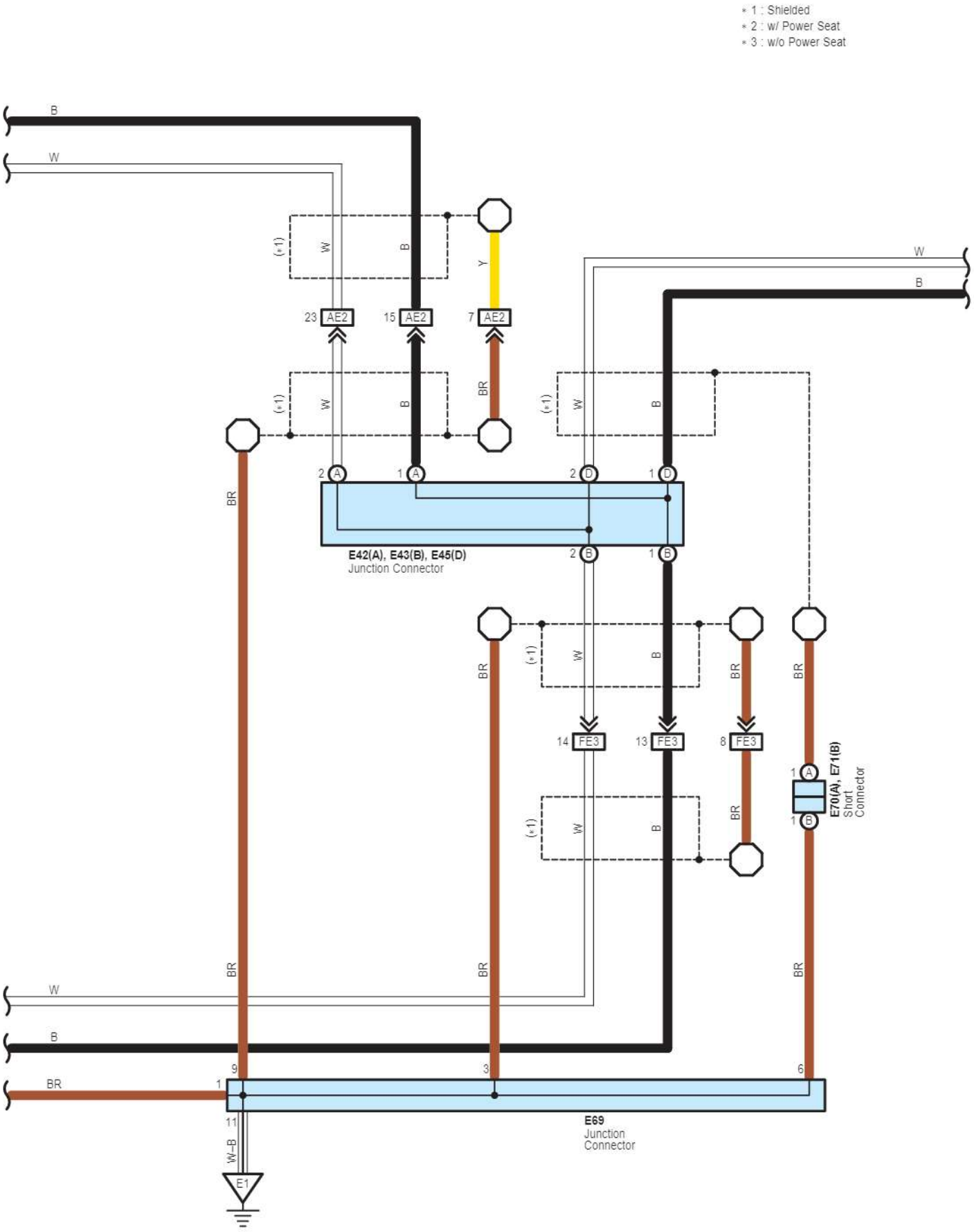
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN1	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

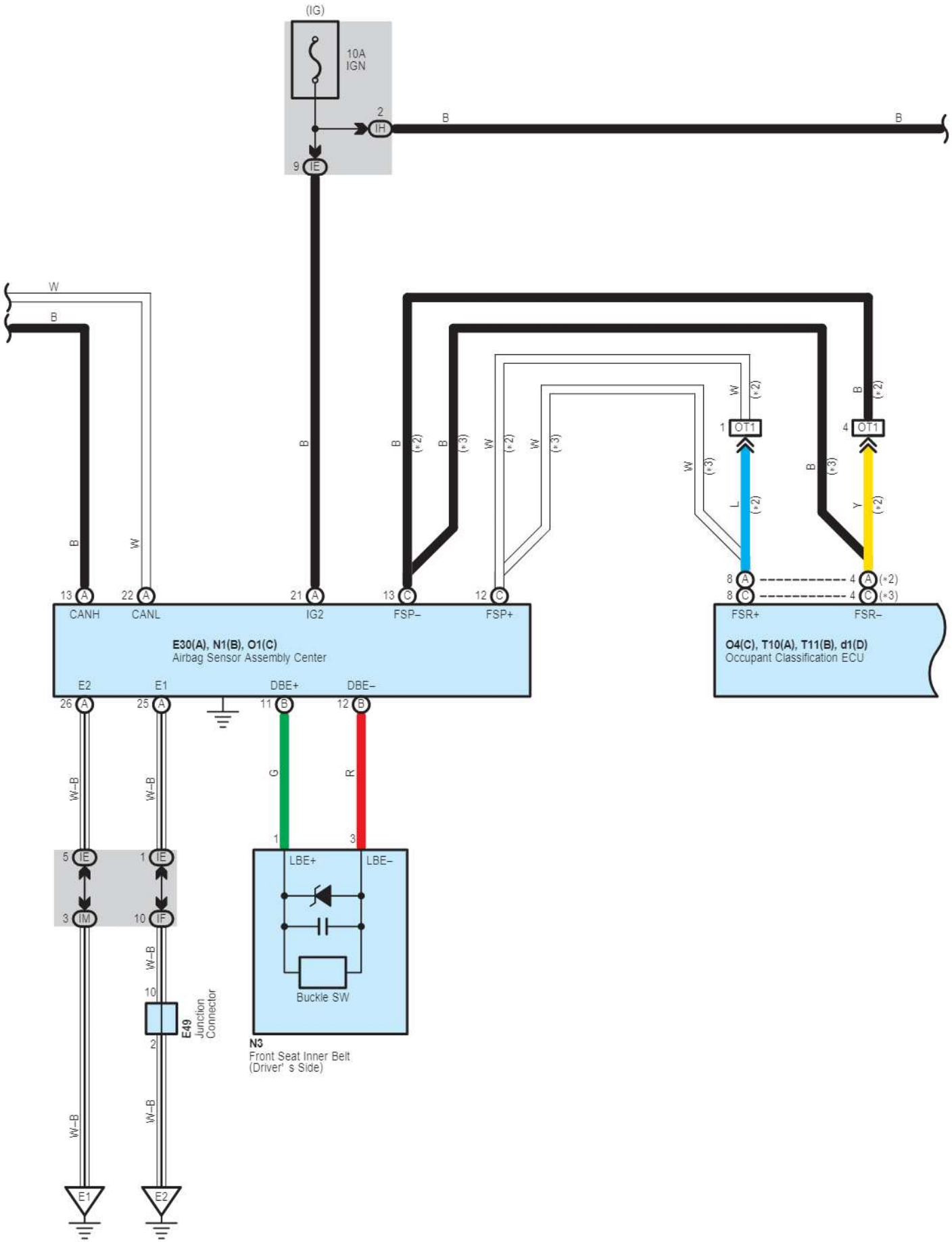
: Ground Points

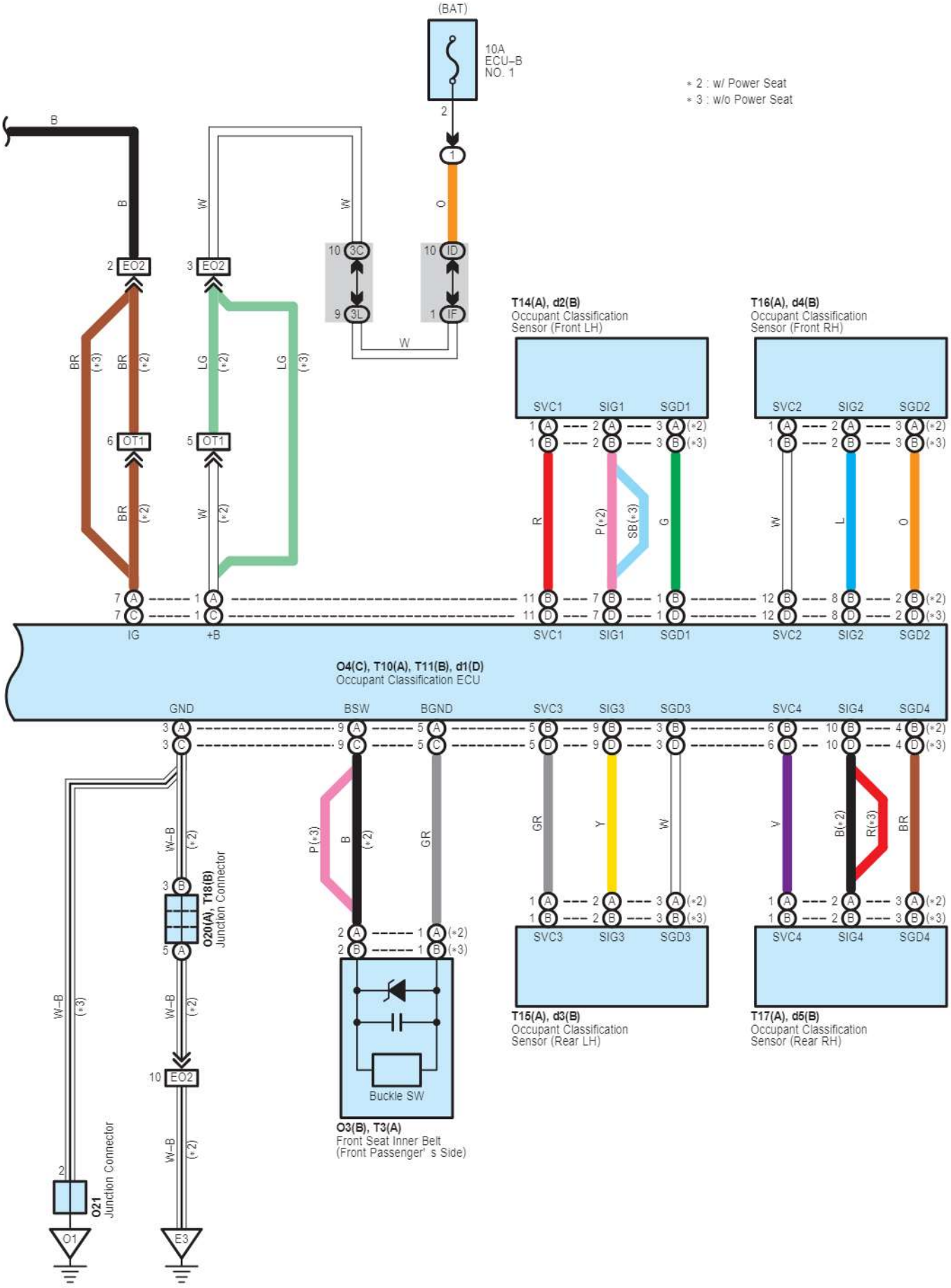
Code	See Page	Ground Points Location
A1	62	Front Left Fender
A3	63	Left Cowl Side Panel
S1	64	Lower Back Panel Center


(IG)
(BAT)
(BAT)
7. 5A GAUGE NO. 2
10A DOME
10A MPX–B
12 IG
2
1
3 1A
GR
LG
SB
F3
Clock
Front Passenger Seat Belt Warning Light
PBEW
IG
13 ID
7 IF
2 EA1
10
3
G
GR
GR
R
V
10 3R
9 3R
2 3G
12 3L
1 3D
10 3Q
9 3Q
1 3Q
12 3Q
P
GR
R
V
9 A
13 A
2 A
1 A
P/SB
IG+
B2
B
IG2
Speedometer
Power Supply Circuit
Driver's Seat Belt
MICRO COMPUTER
DRIVE IC
Buzzer
CAN I/F
F1(A)
Combination Meter
E2
ES
CANH
CANL
12 A
24 A
17 A
18 A
W–B
BR
B
W
7 3Q
5 3Q
2 3U
10 3D
W
B
W–B
BR
15
EA1
GR
3
B
8
A
GR
A41(A), A42(B)
Junction Connector
4 CA3
W–B
F1
C6


* 1 : Shielded
A40(A)
Junction Connector
A42(B)
Junction
Connector
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
CANH
CANL
FL+
FL−
FR+
FR−
RL+
RL−
RR+
RR−
Speed Sensors
5
AE6


* 1 : Shielded
* 2 : w/ Power Seat
* 3 : w/o Power Seat
B
W
(*1)
W
B
Y
23 AE2
15 AE2
7 AE2
BR
2 A
1 A
2 D
1 D
E42(A), E43(B), E45(D)
Junction Connector
2 B
1 B
14 FE3
13 FE3
8 FE3
1 A
1 B
E70(A), E71(B)
Short Connector
9
3
6
1
11
W-B
E1
E69
Junction Connector


(IG)
10A
IGN
2
IH
B
B
9
IE
W
B
B
B
W
13
A
CANH
22
A
CANL
21
A
IG2
13
C
FSP–
12
C
FSP+
B
(*2)
B
(*3)
W
(*2)
W
(*3)
W
(*3)
W
(*2)
1
OT1
L
(*2)
B
(*3)
B
(*2)
4
OT1
Y
(*2)
8
A
4
A
(*2)
8
C
4
C
(*3)
FSR+
FSR–
E30(A), N1(B), O1(C)
Airbag Sensor Assembly Center
O4(C), T10(A), T11(B), d1(D)
Occupant Classification ECU
E2
E1
DBE+
DBE–
26
A
25
A
11
B
12
B
W–B
W–B
G
R
1
3
5
IE
1
IE
3
IM
10
IF
LBE+
LBE–
Buckle SW
W–B
10
E49
Junction
Connector
2
W–B
W–B
N3
Front Seat Inner Belt
(Driver' s Side)
E1
E2


(BAT)
10A
ECU–B
NO. 1
* 2 : w/ Power Seat
* 3 : w/o Power Seat
T14(A), d2(B)
Occupant Classification
Sensor (Front LH)
T16(A), d4(B)
Occupant Classification
Sensor (Front RH)
SVC1
SIG1
SGD1
SVC2
SIG2
SGD2
IG
+B
O4(C), T10(A), T11(B), d1(D)
Occupant Classification ECU
GND
BSW
BGND
SVC3
SIG3
SGD3
SVC4
SIG4
SGD4
T15(A), d3(B)
Occupant Classification
Sensor (Rear LH)
T17(A), d5(B)
Occupant Classification
Sensor (Rear RH)
O20(A), T18(B)
Junction Connector
O21
Junction Connector
O3(B), T3(A)
Front Seat Inner Belt
(Front Passenger' s Side)
Buckle SW
EO2
OT1
3C
3L
ID
IF
O1
E3

System Outline

Seat Belt Warning Operation

When the driver has not fastened the seat belt while the power SW is pushed to IG ON position, the driver seat belt warning light blinks, and a warning buzzer comes on.
Also, in the front passenger seat, a sensor recognizes passenger, and when the passenger has not fastened the seat belt, the front passenger seat belt warning light blinks.

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A40	A	55	E70	A	53	T10	A	60 (*1)
A41	A	55	E71	B	53	T11	B	60 (*1)
A42	B	55	F1	A	54	T14	A	60 (*1)
A73	A	55	F3		54	T15	A	60 (*1)
A74	B	55	N1	B	55	T16	A	60 (*1)
A75	C	55	N3		60 (*1)	T17	A	60 (*1)
A76	D	55			61 (*2)	T18	B	60 (*1)
E30	A	52	O1	C	55	d1	D	61 (*2)
E42	A	48, 53	O3	B	61 (*2)	d2	B	61 (*2)
E43	B	48, 53	O4	C	61 (*2)	d3	B	61 (*2)
E45	D	48, 53	O20	A	60 (*1)	d4	B	61 (*2)
E49		53	O21		56	d5	B	61 (*2)
E69		53	T3	A	60 (*1)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3G		
3L		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3R		
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IE	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IF		
IG	31	
IH		
IM	30	

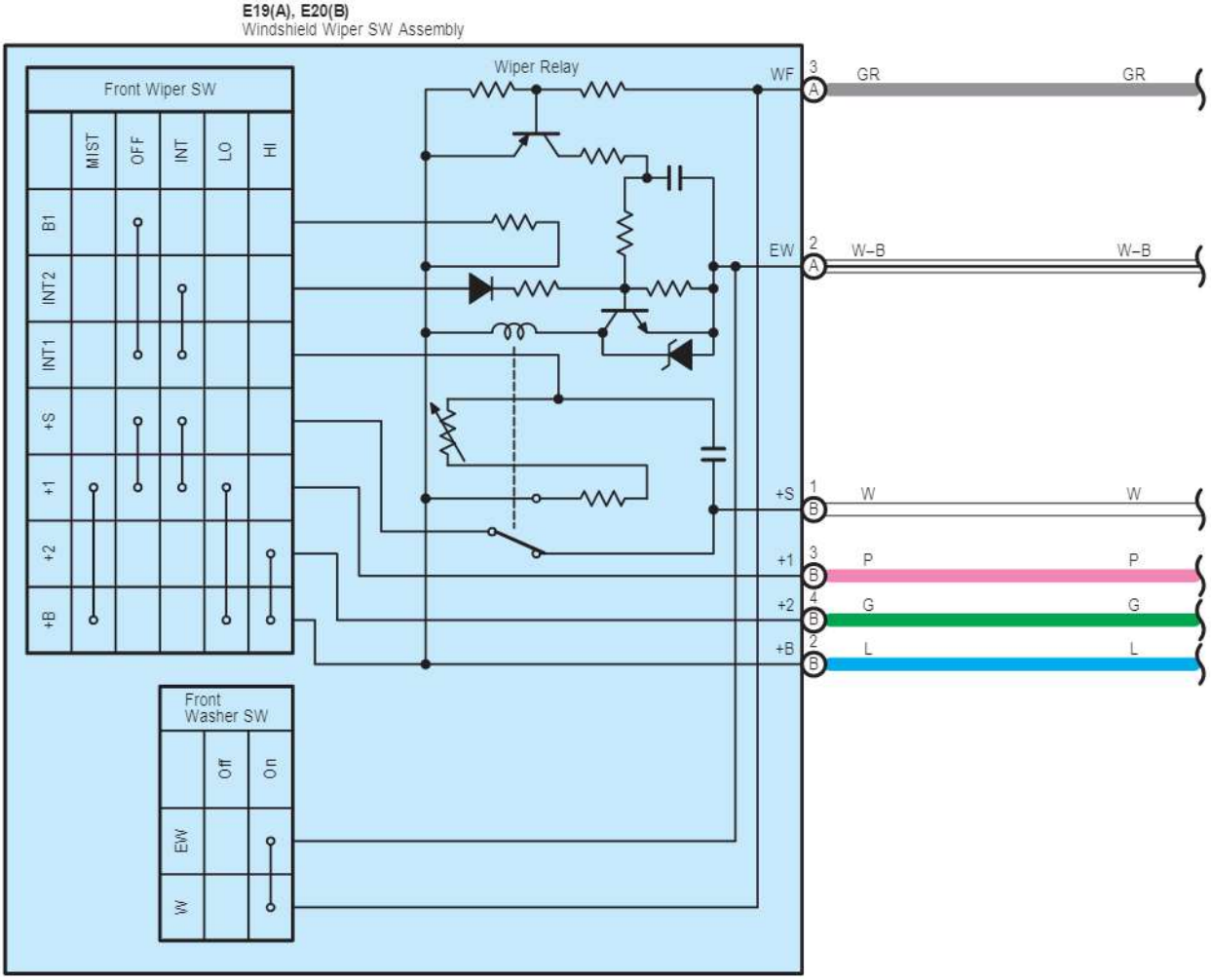
▭ : Connector Joining Wire Harness and Wire Harness

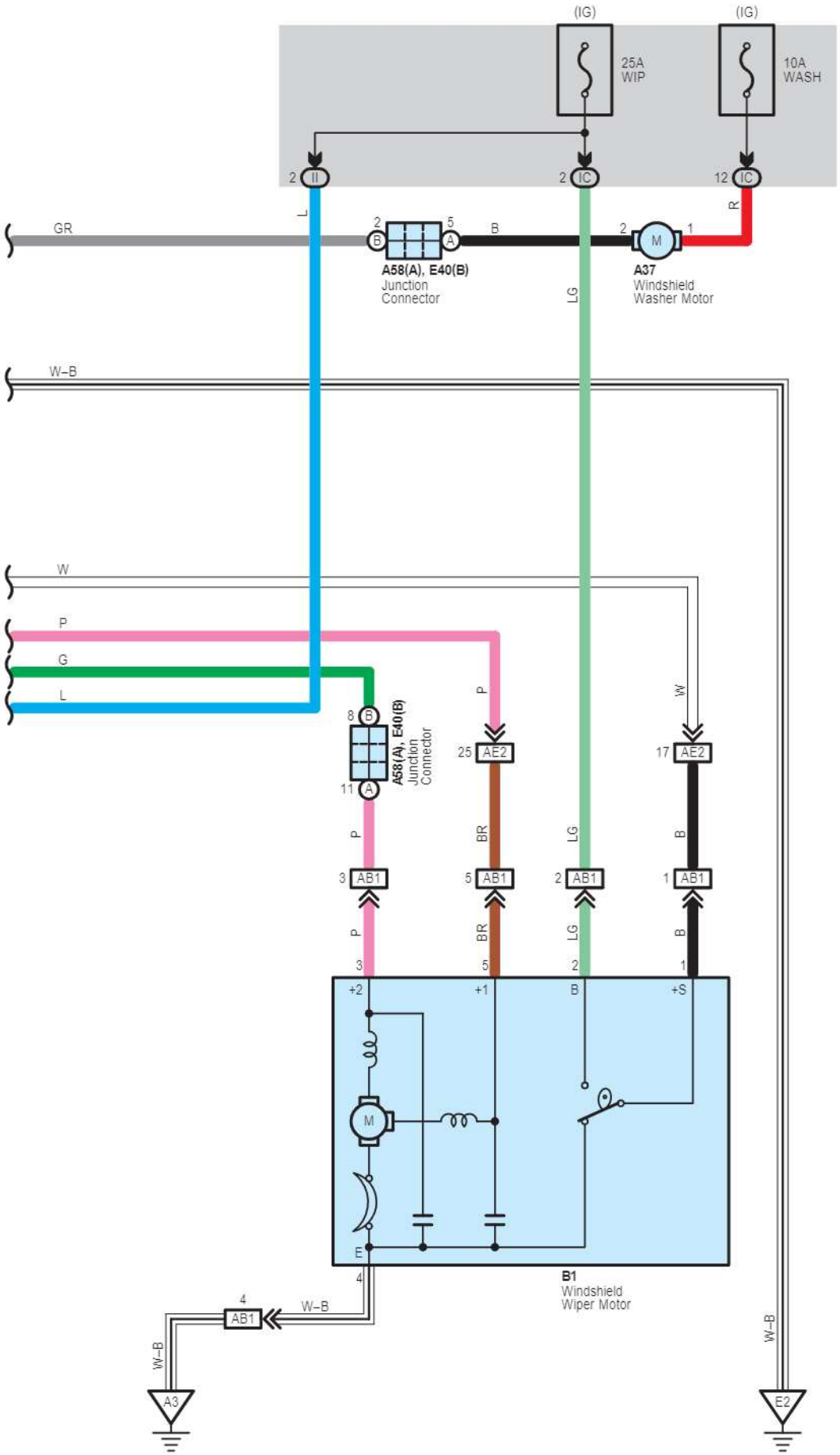
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
OT1	66 (*1)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)

* 1 : w/ Power Seat * 2 : w/o Power Seat

▽ : **Ground Points**

Code	See Page	Ground Points Location
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
E3	63	Instrument Panel Right
F1	63	Instrument Panel Left
O1	64	Right Rear Quarter Panel


E19(A), E20(B)
Windshield Wiper SW Assembly
Front Wiper SW
MIST
OFF
INT
LO
HI
B1
INT2
INT1
+S
+1
+2
+B
Wiper Relay
Front
Washer SW
Off
On
EW
W
WF
EW
+S
+1
+2
+B
3
A
GR
GR
2
A
W–B
W–B
1
B
W
W
3
B
P
P
4
B
G
G
2
B
L
L


(IG)
(IG)
25A
WIP
10A
WASH
2 II
2 IC
12 IC
GR
L
B
R
LG
A58(A), E40(B)
Junction
Connector
A37
Windshield
Washer Motor
W–B
W
P
G
L
A58(A), E40(B)
Junction
Connector
25 AE2
17 AE2
3 AB1
5 AB1
2 AB1
1 AB1
BR
B
+2
+1
B
+S
E
M
B1
Windshield
Wiper Motor
4
AB1
W–B
A3
E2

Wiper and Washer

○ : **Parts Location**

Code		See Page	Code		See Page	Code		See Page
A37		50	B1		50	E20	B	52
A58	A	55	E19	A	52	E40	B	53

⬭ : **Junction Block and Wire Harness Connector**

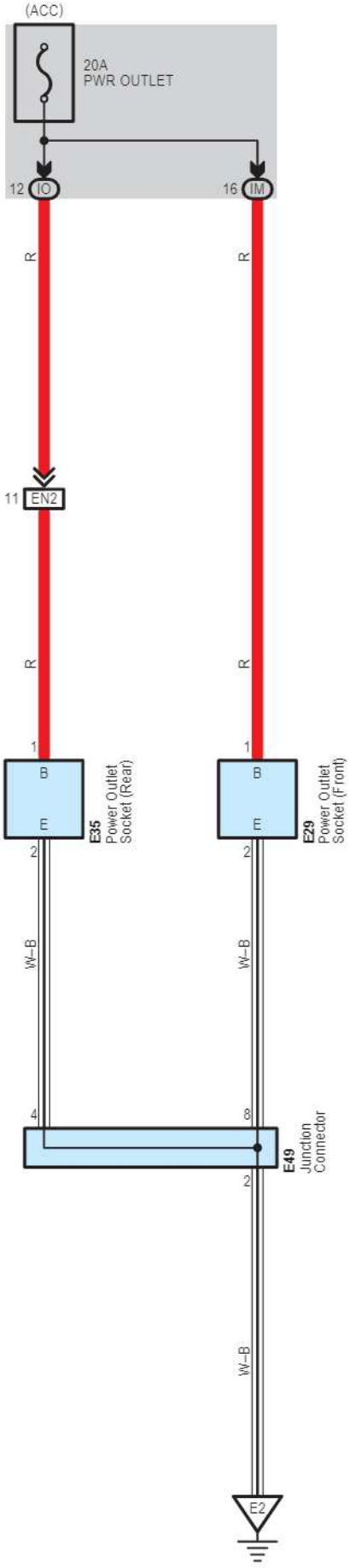
Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
II	31	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

▭ : **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	62	Engine Room Main Wire and Engine Room No.2 Wire (Near the Windshield Wiper Motor)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)

▽ : **Ground Points**

Code	See Page	Ground Points Location
A3	63	Left Cowl Side Panel
E2	63	Instrument Panel Brace LH


(ACC)
20A
PWR OUTLET
12 IO
16 IM
R
R
11 EN2
R
R
1
B
m
E35
Power Outlet
Socket (Rear)
1
B
m
E29
Power Outlet
Socket (Front)
2
2
W-B
W-B
4
8
E49
Junction
Connector
2
W-B
E2

○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
E29	52	E35	52	E49	53

: Junction Block and Wire Harness Connector

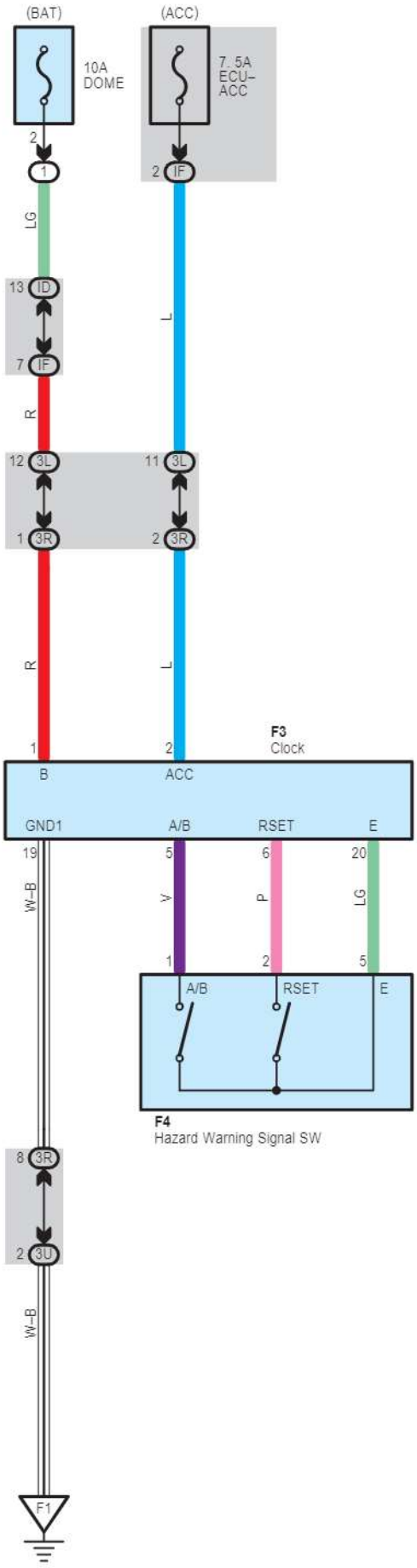
Code	See Page	Junction Block and Wire Harness (Connector Location)
IM	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
E2	63	Instrument Panel Brace LH


(BAT)
(ACC)
10A
DOME
7. 5A
ECU-
ACC
2
1
2
IF
LG
13
ID
7
IF
L
R
12
3L
1
3R
11
3L
2
3R
R
L
1
2
F3
Clock
B
ACC
GND1
A/B
RSET
E
19
5
6
20
W-B
V
P
LG
1
2
5
A/B
RSET
E
F4
Hazard Warning Signal SW
8
3R
2
3U
W-B
F1

: Parts Location

Code	See Page	Code	See Page	Code	See Page
F3	54	F4	54		

: Relay Blocks

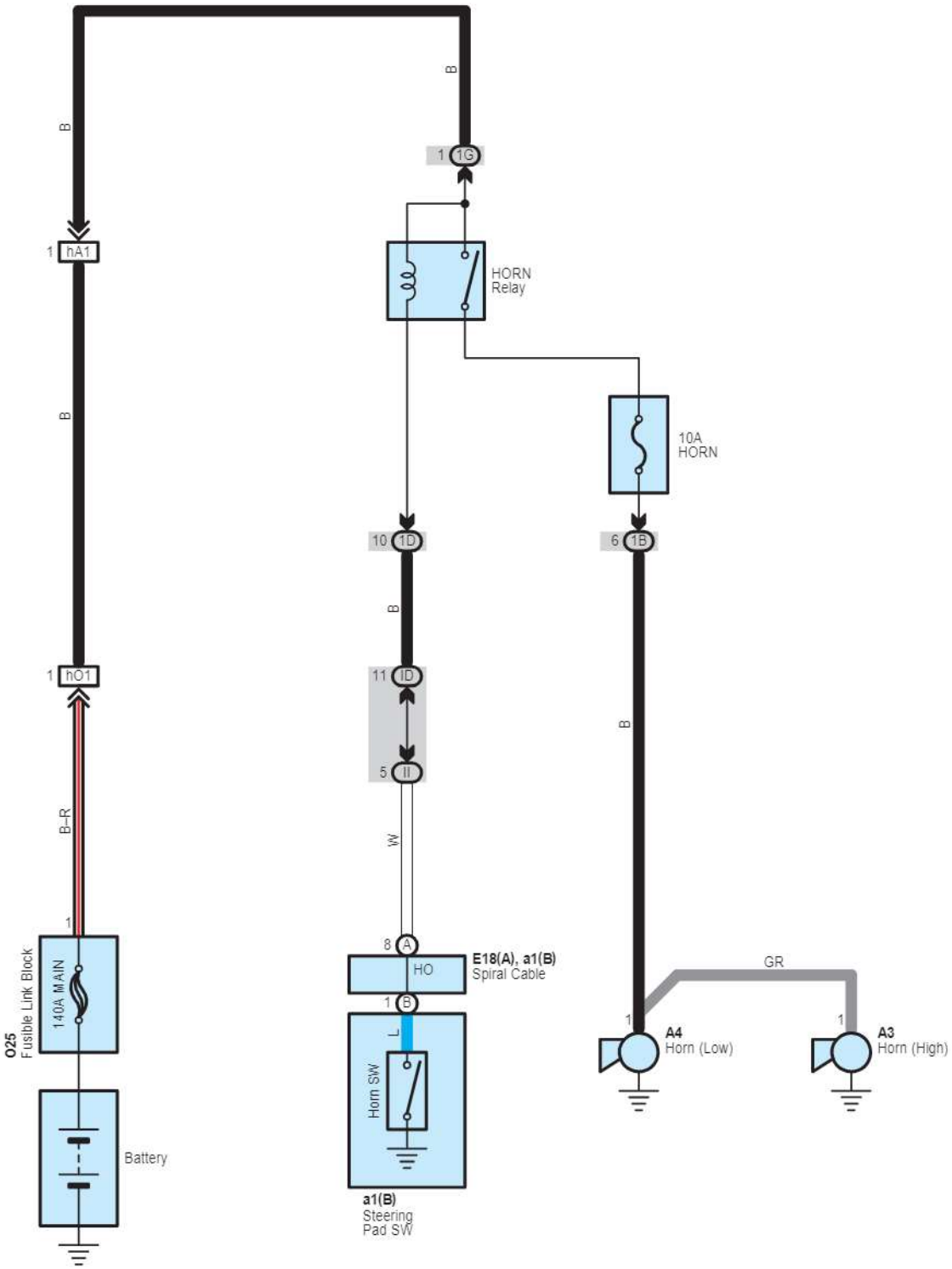
Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
3L	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3R	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

: Ground Points

Code	See Page	Ground Points Location
F1	63	Instrument Panel Left


B
B
B
1 hA1
1 hO1
B–R
1
O25
Fusible Link Block
140A MAIN
Battery
1 1G
HORN
Relay
10A
HORN
10 1D
6 1B
B
11 ID
5 II
W
8 A
HO
E18(A), a1(B)
Spiral Cable
1 B
L
Horn SW
a1(B)
Steering
Pad SW
B
GR
1
A4
Horn (Low)
1
A3
Horn (High)

: Parts Location

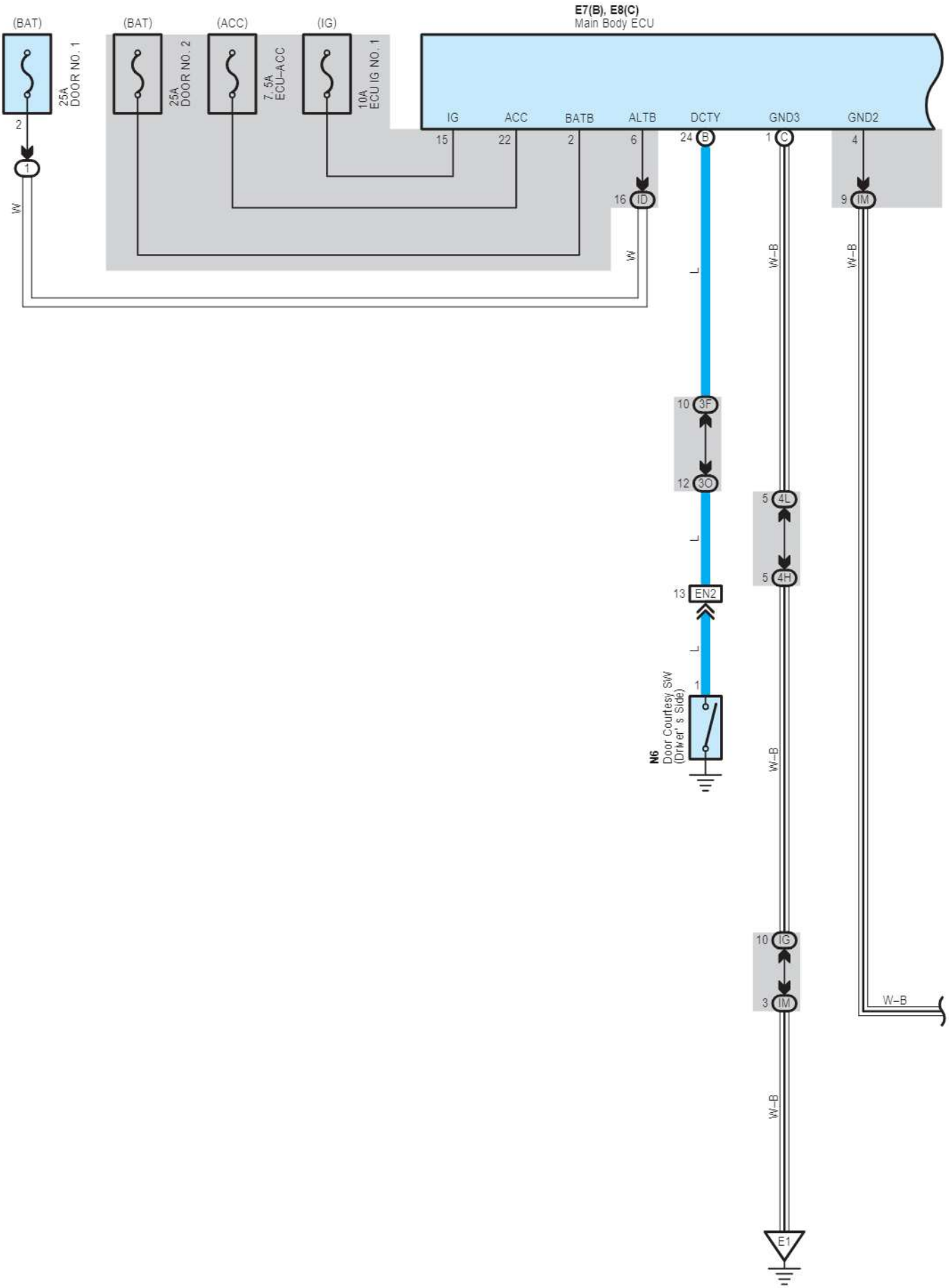
Code	See Page	Code	See Page	Code	See Page
A3	50	E18 A	52	a1 B	55
A4	50	O25	56		

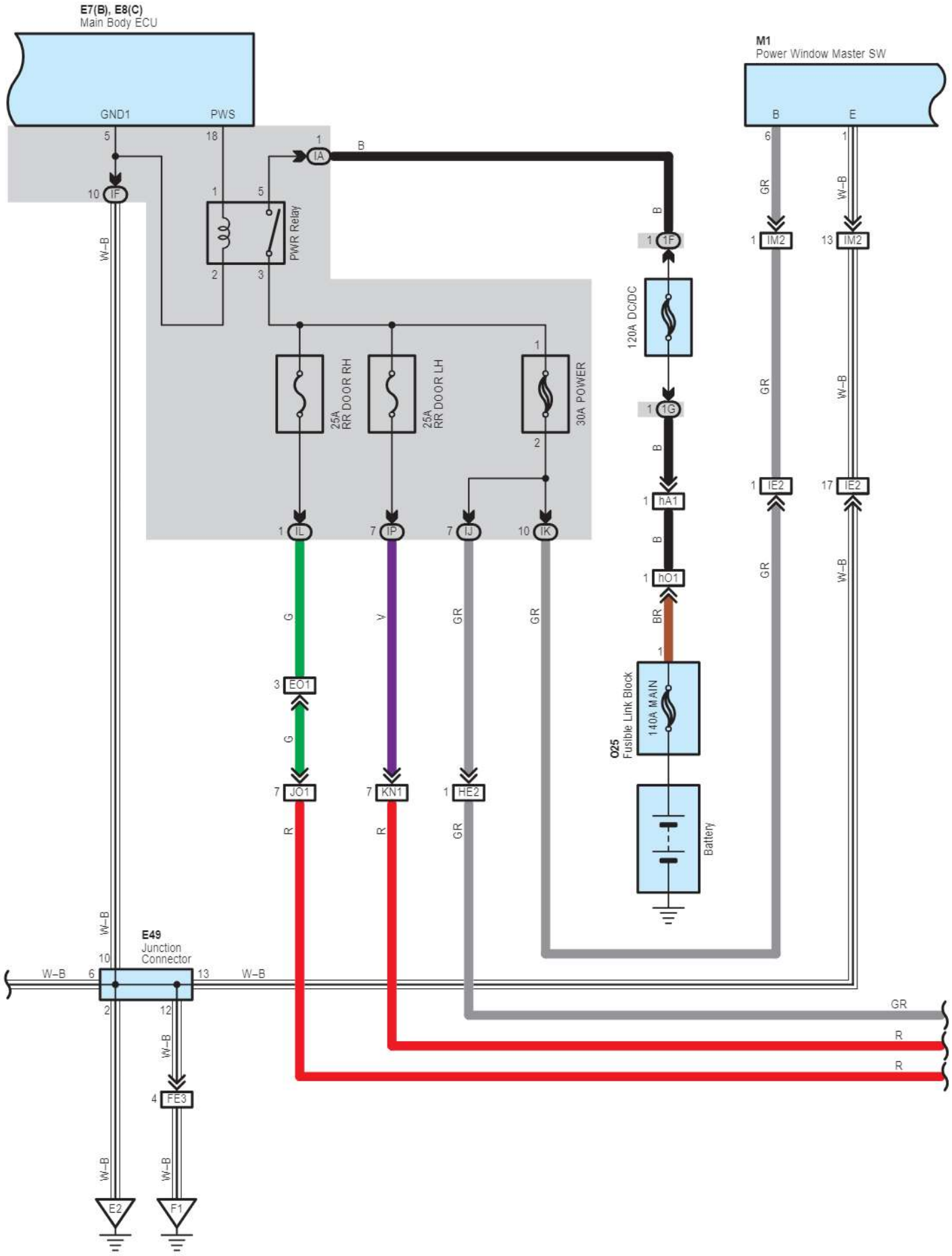
: Junction Block and Wire Harness Connector

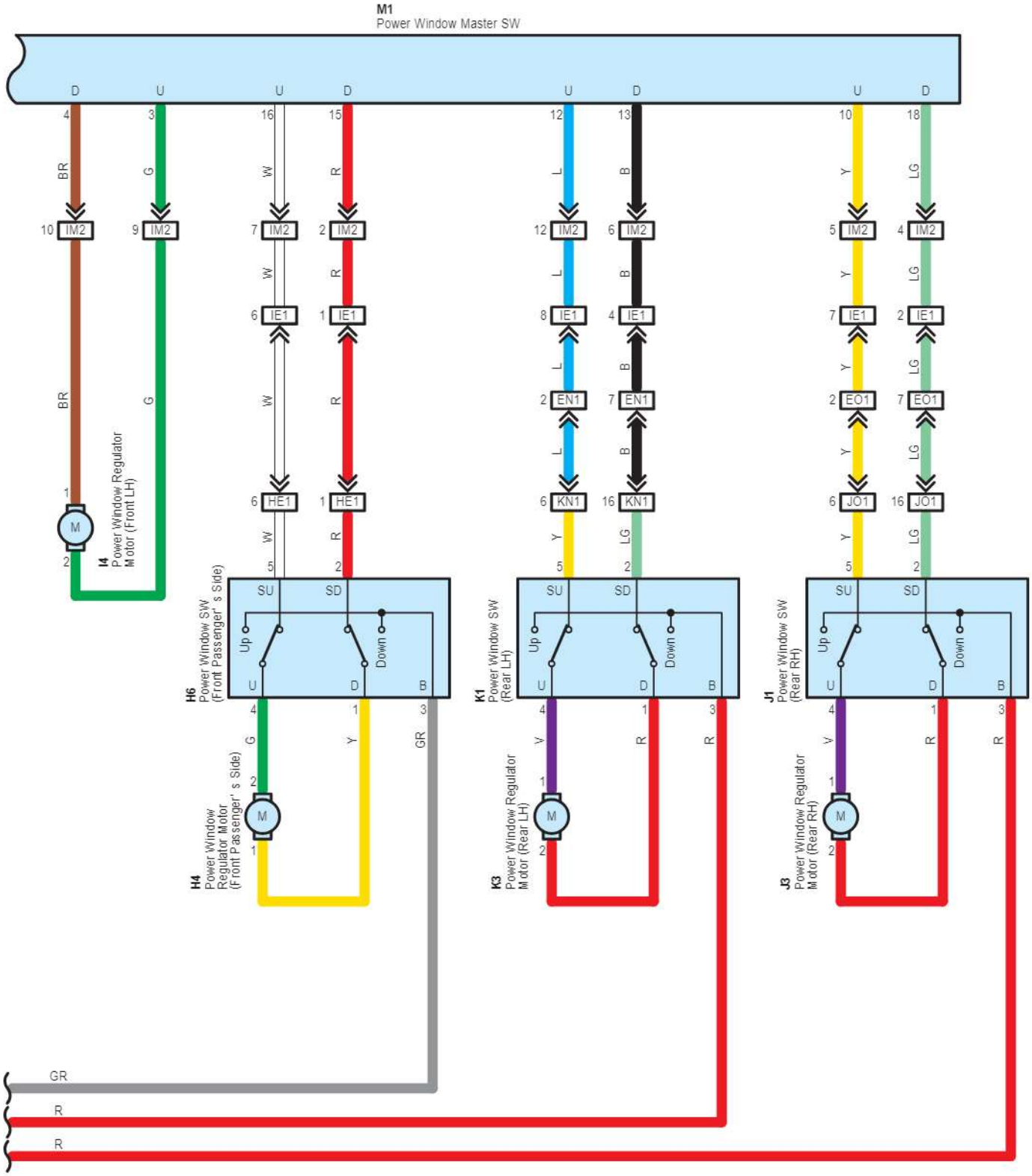
Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1D		
1G	23	
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
II	31	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
hA1	62	Floor No.4 Wire and Engine Room Main Wire (Near the Engine Room R/B and Engine Room J/B)
hO1	64	Floor No.4 Wire and Floor No.2 Wire (Near the Hybrid Battery)


(BAT)
(BAT)
(ACC)
(IG)
25A DOOR NO. 1
25A DOOR NO. 2
7.5A ECU-ACC
10A ECU IG NO. 1
E7(B), E8(C)
Main Body ECU
IG
ACC
BATB
ALTB
DCTY
GND3
GND2
2
1
W
15
22
2
6
16 ID
24 B
1 C
4
9 IM
W
L
W-B
10 3F
12 3O
5 4L
5 4H
13 EN2
L
1
N6
Door Courtesy SW (Driver's Side)
10 IG
3 IM
W-B
W-B
W-B
E1


E7(B), E8(C)
Main Body ECU
GND1
PWS
M1
Power Window Master SW
B
E
PWR Relay
25A RR DOOR RH
25A RR DOOR LH
30A POWER
120A DC/DC
140A MAIN
025
Fusible Link Block
Battery
E49
Junction Connector
E2
F1


M1
Power Window Master SW
D
U
U
D
U
D
U
D
4
3
16
15
12
13
10
18
BR
G
W
R
L
B
Y
LG
10 IM2
9 IM2
7 IM2
2 IM2
12 IM2
6 IM2
5 IM2
4 IM2
6 IE1
1 IE1
8 IE1
4 IE1
7 IE1
2 IE1
2 EN1
7 EN1
2 EO1
7 EO1
6 HE1
1 HE1
6 KN1
16 KN1
6 JO1
16 JO1
1
M
2
I4
Power Window Regulator Motor (Front LH)
5
2
SU
SD
Up
Down
U
D
B
H6
Power Window SW (Front Passenger's Side)
4
1
3
G
Y
GR
2
M
1
H4
Power Window Regulator Motor (Front Passenger's Side)
K1
Power Window SW (Rear LH)
R
K3
Power Window Regulator Motor (Rear LH)
J1
Power Window SW (Rear RH)
J3
Power Window Regulator Motor (Rear RH)
GR
R
R

System Outline

1. Manual Down or Up Operation

When the power window master SW is pushed one step, the motor rotates to open the window.
When the power window master SW is pulled up, the motor rotates in the opposite direction, to close the window.
All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.

2. Auto Down Operation

When the power window master SW is pushed two steps, the motor rotates to open the window automatically.

○ : Parts Location

Code		See Page	Code	See Page	Code	See Page
E7	B	52	I4	57	M1	57
E8	C	52	J1	57	N6	56
E49		53	J3	57	O25	56
H4		57	K1	57		
H6		57	K3	57		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

▭ : Junction Block and Wire Harness Connector

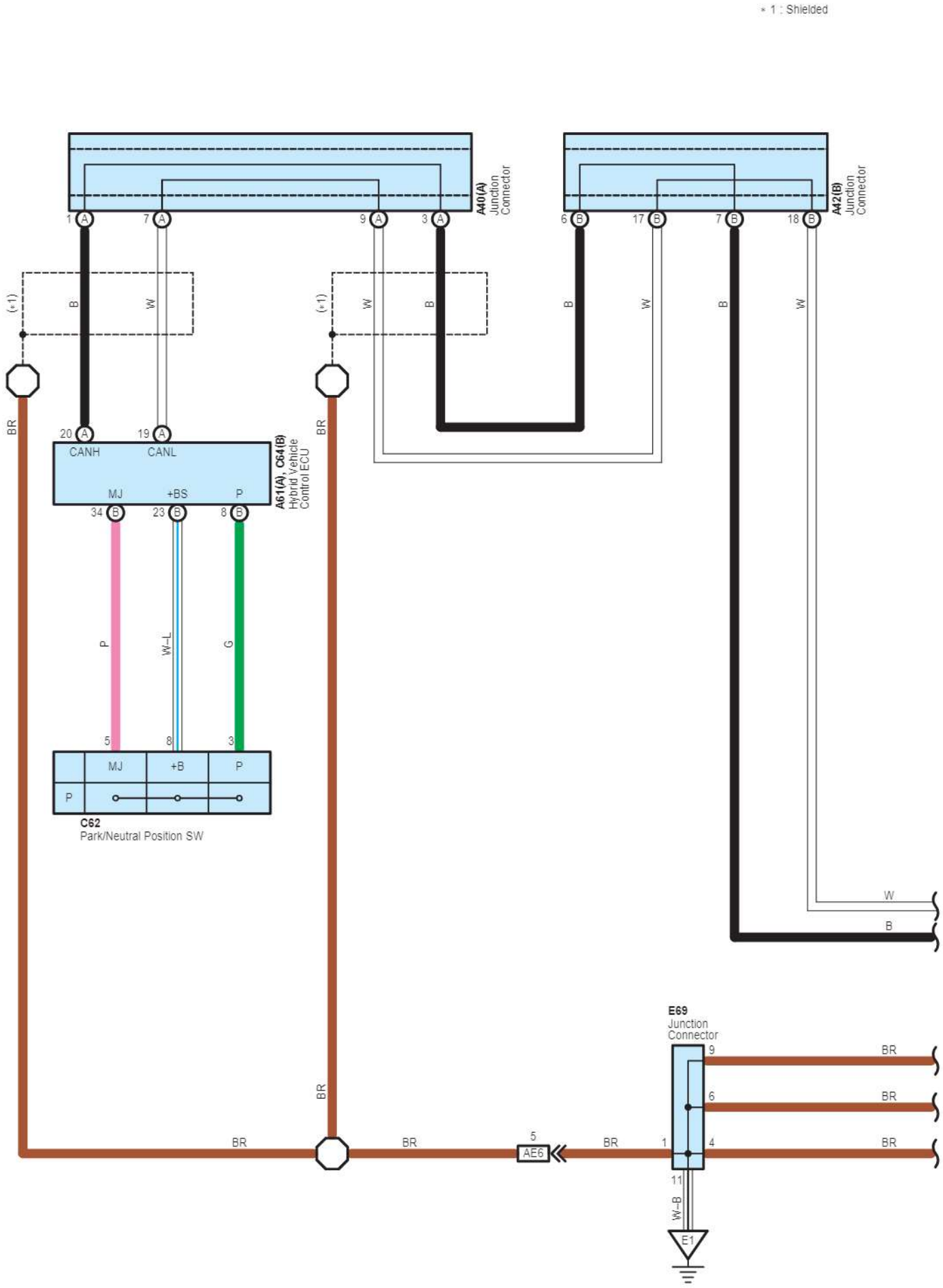
Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	23	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1G		
3F	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3O		
4H	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4L		
IA	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IJ	30	
IK		
IL		
IM		
IP	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

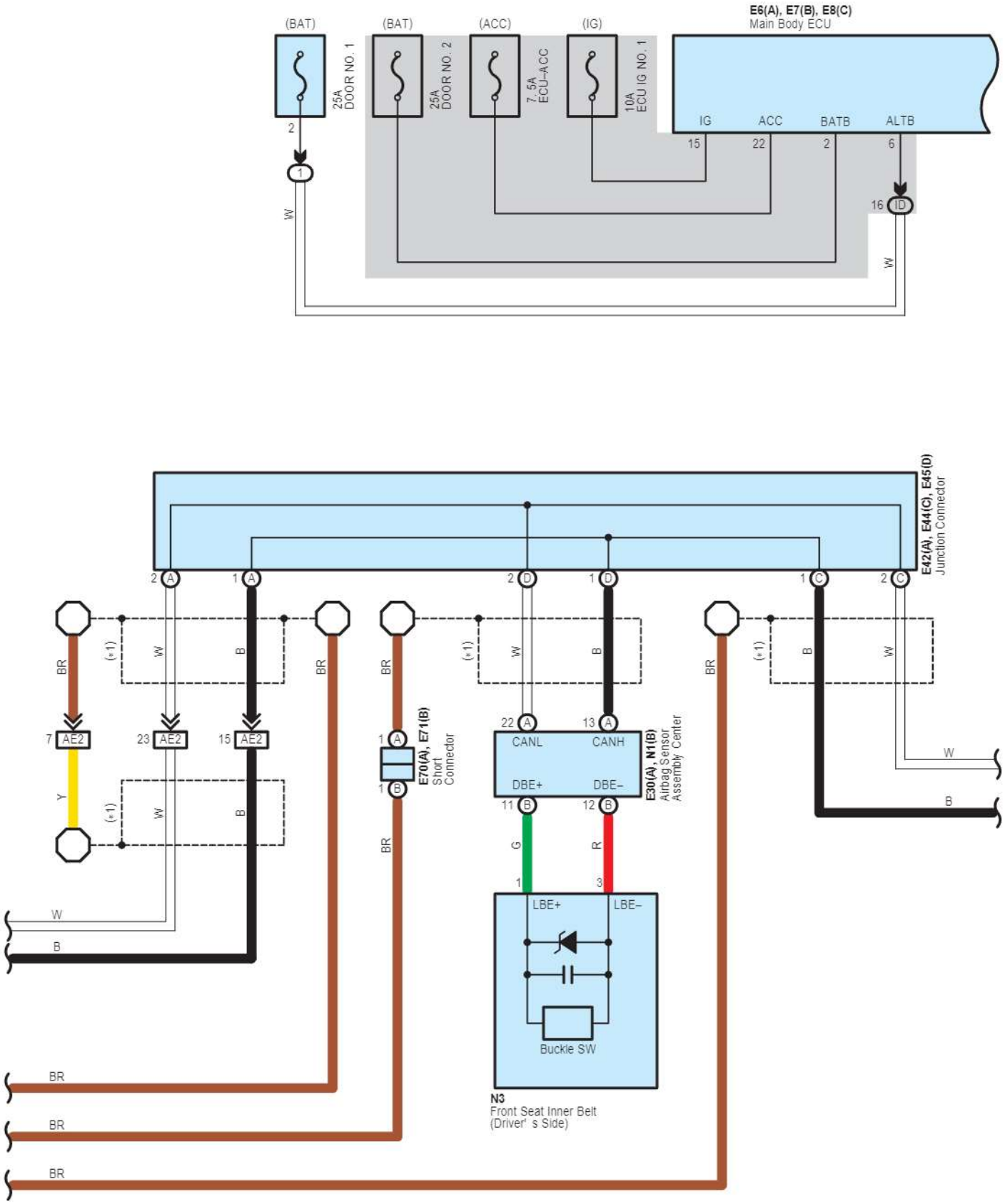
▭ : Connector Joining Wire Harness and Wire Harness

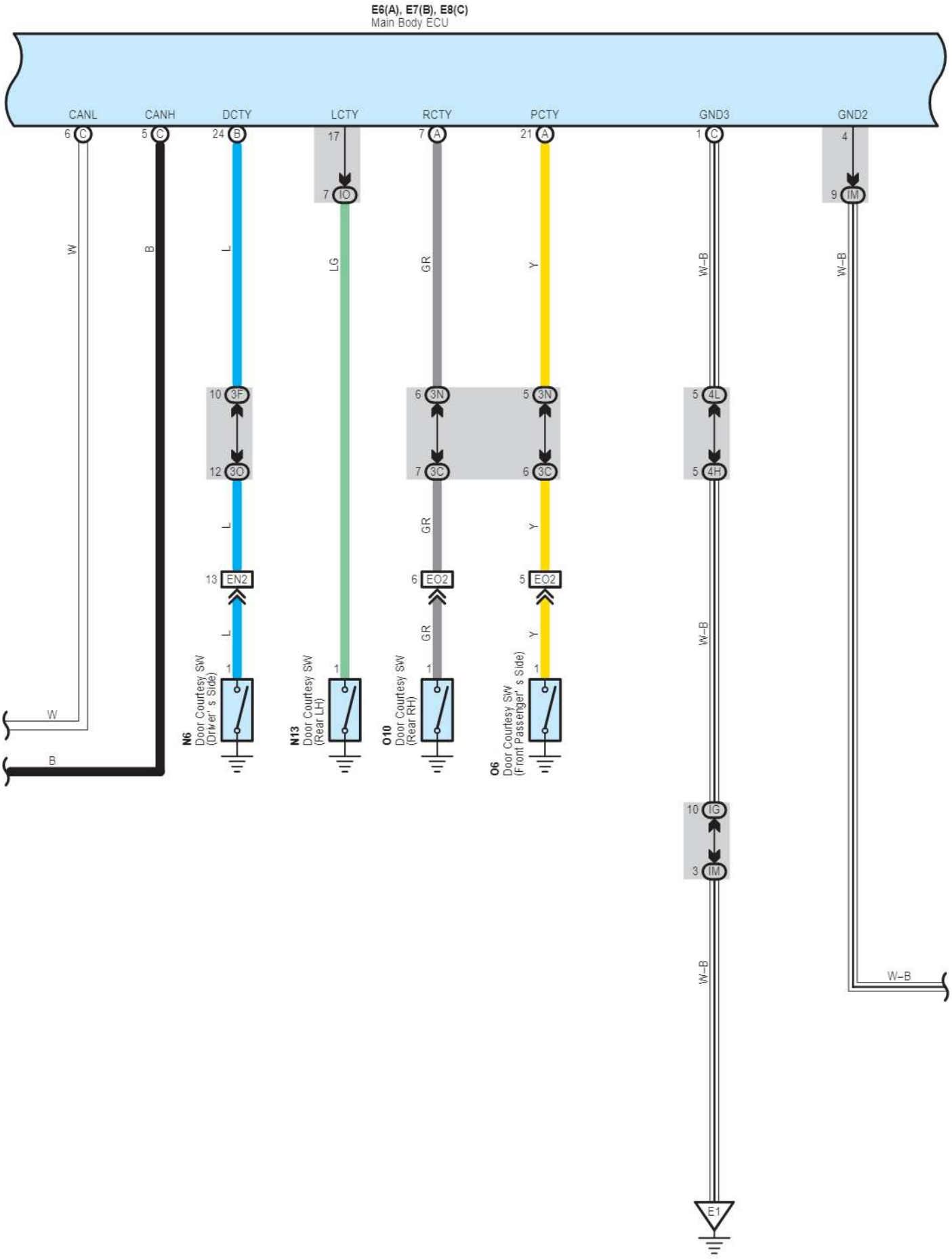
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EN1	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EN2		
EO1	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
HE1	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
HE2		
IE1	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IE2		
IM2	64	Front Door LH Wire and Front Door LH No.2 Wire (Inside of the Front Door LH)
JO1	64	Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar)
KN1	64	Rear Door No.2 Wire and Floor Wire (Left Center Pillar)
hA1	62	Floor No.4 Wire and Engine Room Main Wire (Near the Engine Room R/B and Engine Room J/B)
hO1	64	Floor No.4 Wire and Floor No.2 Wire (Near the Hybrid Battery)

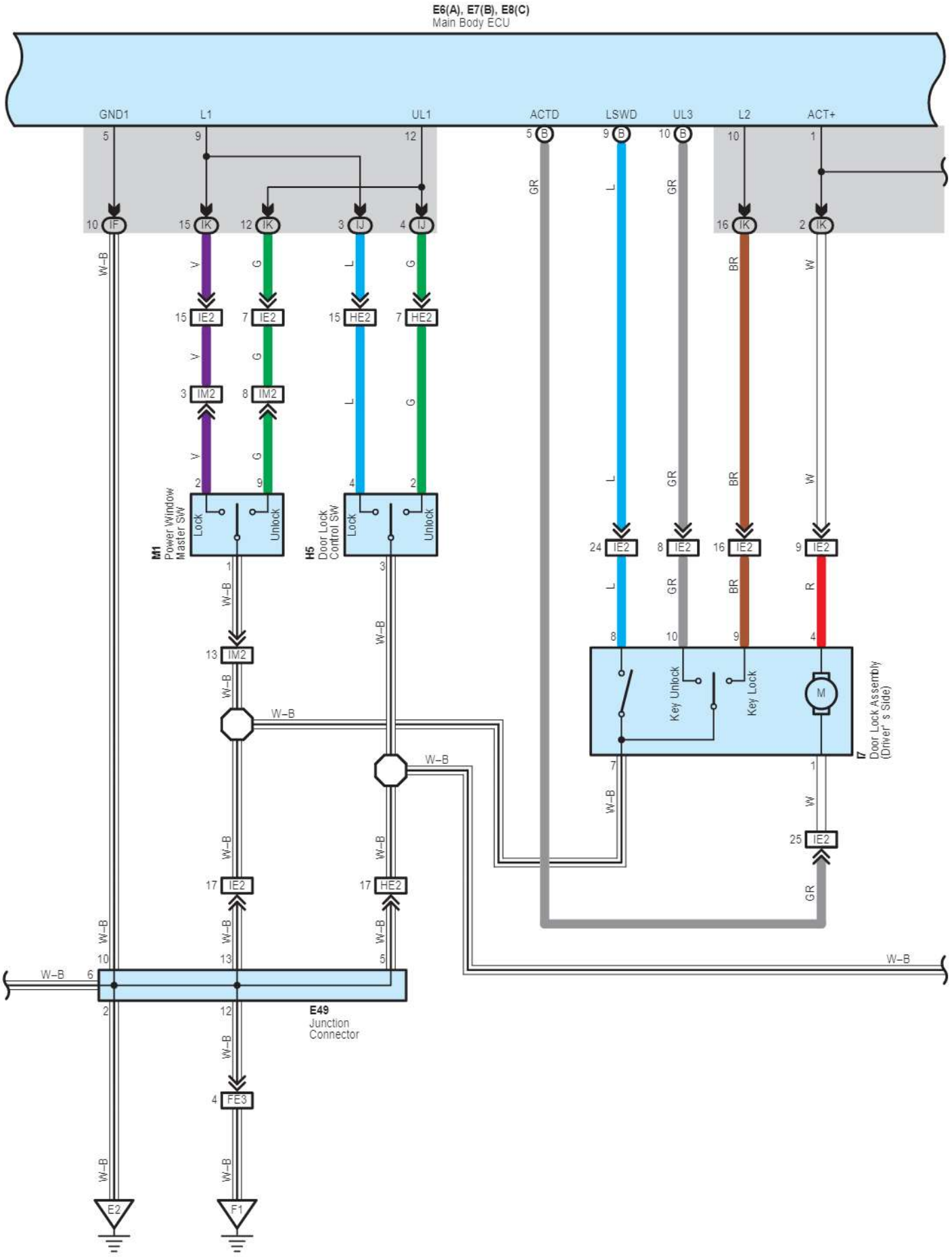
▽ : **Ground Points**

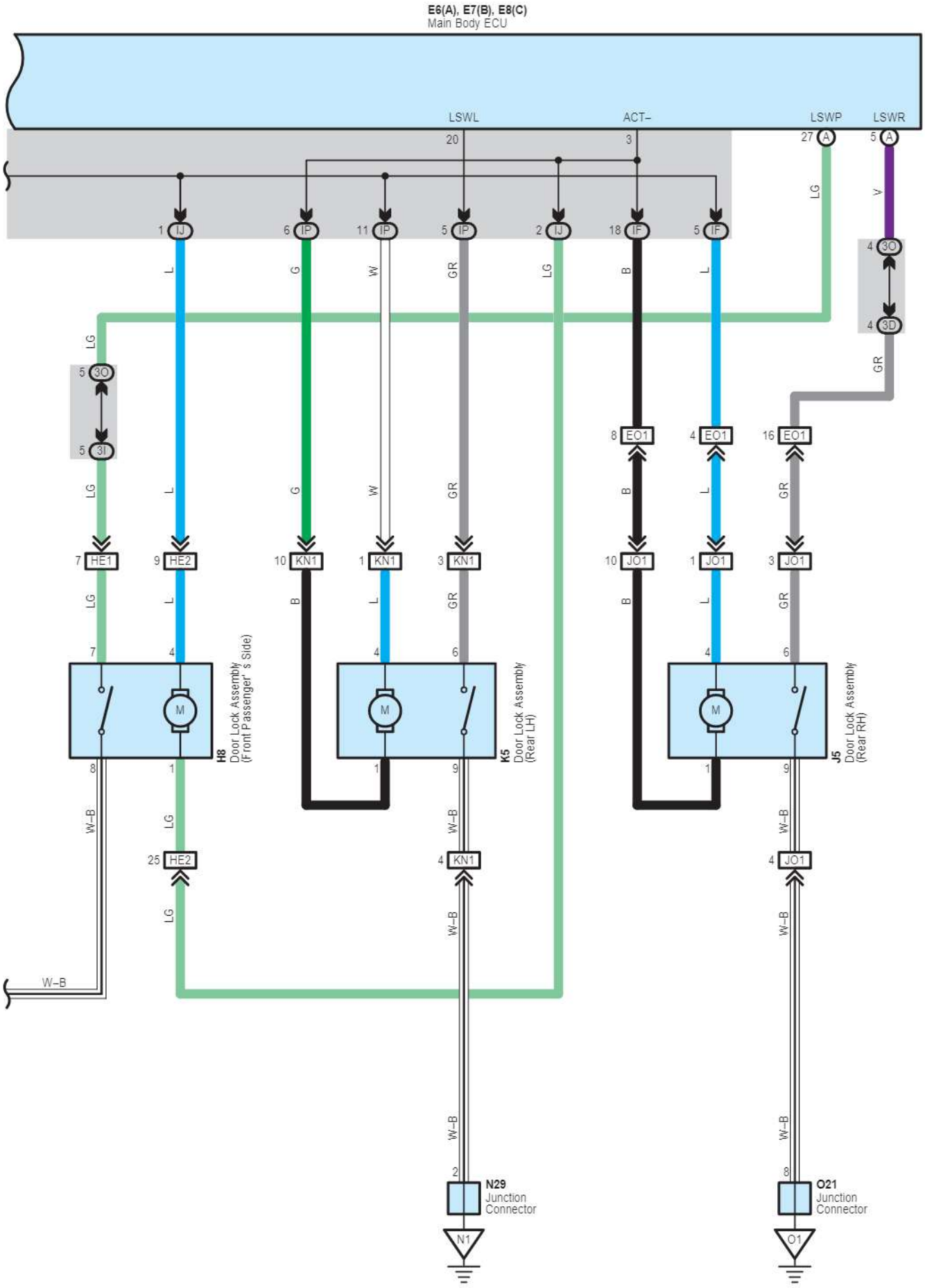
Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left


* 1 : Shielded
A40(A)
Junction Connector
A42(B)
Junction Connector
(*1)
B
W
BR
20 A
19 A
CANH
CANL
A61(A), C64(B)
Hybrid Vehicle Control ECU
MJ
+BS
P
34 B
23 B
8 B
P
W-L
G
5
8
3
MJ
+B
P
P
C62
Park/Neutral Position SW
E69
Junction Connector
9
6
11
W-B
E1
5
AE6
1
4
11


(BAT)
(BAT)
(ACC)
(IG)
E6(A), E7(B), E8(C)
Main Body ECU
25A DOOR NO. 1
25A DOOR NO. 2
7.5A ECU-ACC
10A ECU IG NO. 1
IG
ACC
BATB
ALTB
15
22
2
6
16
ID
E42(A), E44(C), E45(D)
Junction Connector
E70(A), E71(B)
Short Connector
E30(A), N1(B)
Airbag Sensor Assembly Center
CANL
CANH
DBE+
DBE-
LBE+
LBE-
Buckle SW
N3
Front Seat Inner Belt (Driver's Side)
AE2
W
B
BR
Y
G
R


E6(A), E7(B), E8(C)
Main Body ECU
CANL
CANH
DCTY
LCTY
RCTY
PCTY
GND3
GND2
6 C
5 C
24 B
17
7 IO
7 A
21 A
1 C
4
9 IM
W
B
L
LG
GR
Y
W-B
10 3F
12 3O
6 3N
7 3C
5 3N
6 3C
5 4L
5 4H
13 EN2
6 EO2
5 EO2
10 IG
3 IM
N6
Door Courtesy SW
(Driver's Side)
N13
Door Courtesy SW
(Rear LH)
O10
Door Courtesy SW
(Rear RH)
O6
Door Courtesy SW
(Front Passenger's Side)
E1


E6(A), E7(B), E8(C)
Main Body ECU
GND1
L1
UL1
ACTD
LSWD
UL3
L2
ACT+
M1
Power Window Master SW
Lock
Unlock
H5
Door Lock Control SW
Key Unlock
Key Lock
I7
Door Lock Assembly (Driver's Side)
E49
Junction Connector
E2
F1


E6(A), E7(B), E8(C)
Main Body ECU
LSWL
ACT–
LSWP
LSWR
20
3
27 A
5 A
1 IJ
6 IP
11 IP
5 IP
2 IJ
18 IF
5 IF
4 3O
4 3D
5 3O
5 3I
8 EO1
4 EO1
16 EO1
7 HE1
9 HE2
10 KN1
1 KN1
3 KN1
10 JO1
1 JO1
3 JO1
H8
Door Lock Assembly
(Front Passenger's Side)
K5
Door Lock Assembly
(Rear LH)
J5
Door Lock Assembly
(Rear RH)
25 HE2
4 KN1
4 JO1
N29
Junction
Connector
O21
Junction
Connector
N1
O1
W–B
LG
L
G
W
GR
B
V

System Outline

1. Manual Unlock Operation

When the door lock control SW of the driver's or passenger's side door is pushed to UNLOCK, the door lock will unlock.

2. Manual Lock Operation

When the door lock control SW of the driver's or passenger's side door is pushed to LOCK, the door lock will lock.

3. Door Key Unlock Operation

* Unlock operation from driver's side door

When the driver's side door is unlocked once using the ignition key, only the driver's side door is unlocked. If this operation is repeated within 3 seconds, all the other doors are unlocked.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A40 A	55	E45 D	48, 53	N1 B	55
A42 B	55	E49	53	N3	60 (*1)
A61 A	50	E69	53		61 (*2)
C62	51	E70 A	53	N6	56
C64 B	51	E71 B	53	N13	56
E6 A	52	H5	57	N29	56
E7 B	52	H8	57	O6	56
E8 C	52	I7	57	O10	56
E30 A	52	J5	57	O21	56
E42 A	48, 53	K5	57		
E44 C	48, 53	M1	57		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

▭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3F		
3I		
3N		
3O		
4H	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4L		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IJ	30	
IK		
IM		
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)
IP		

* 1 : w/ Power Seat * 2 : w/o Power Seat

Door Lock Control

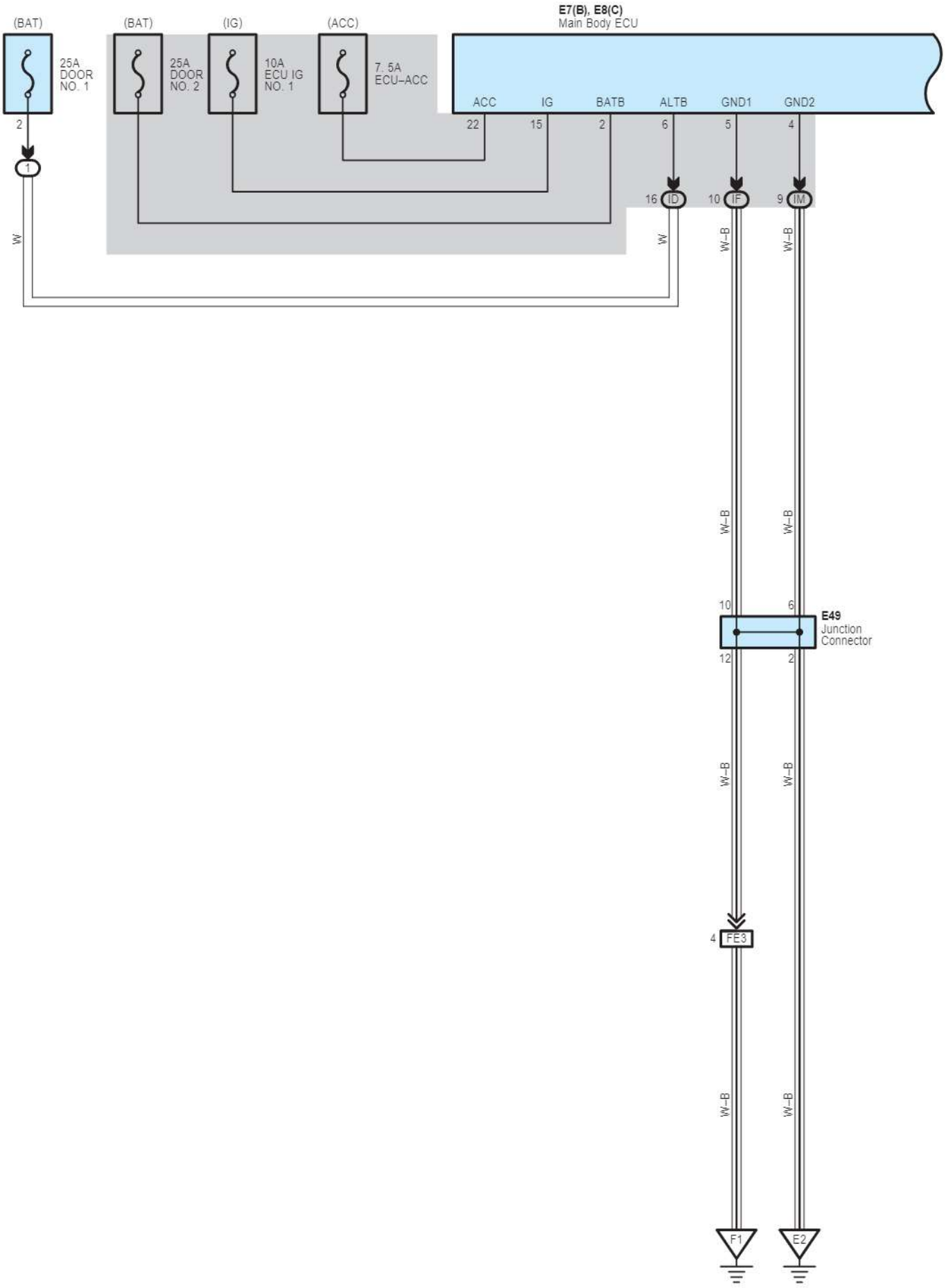
: **Connector Joining Wire Harness and Wire Harness**

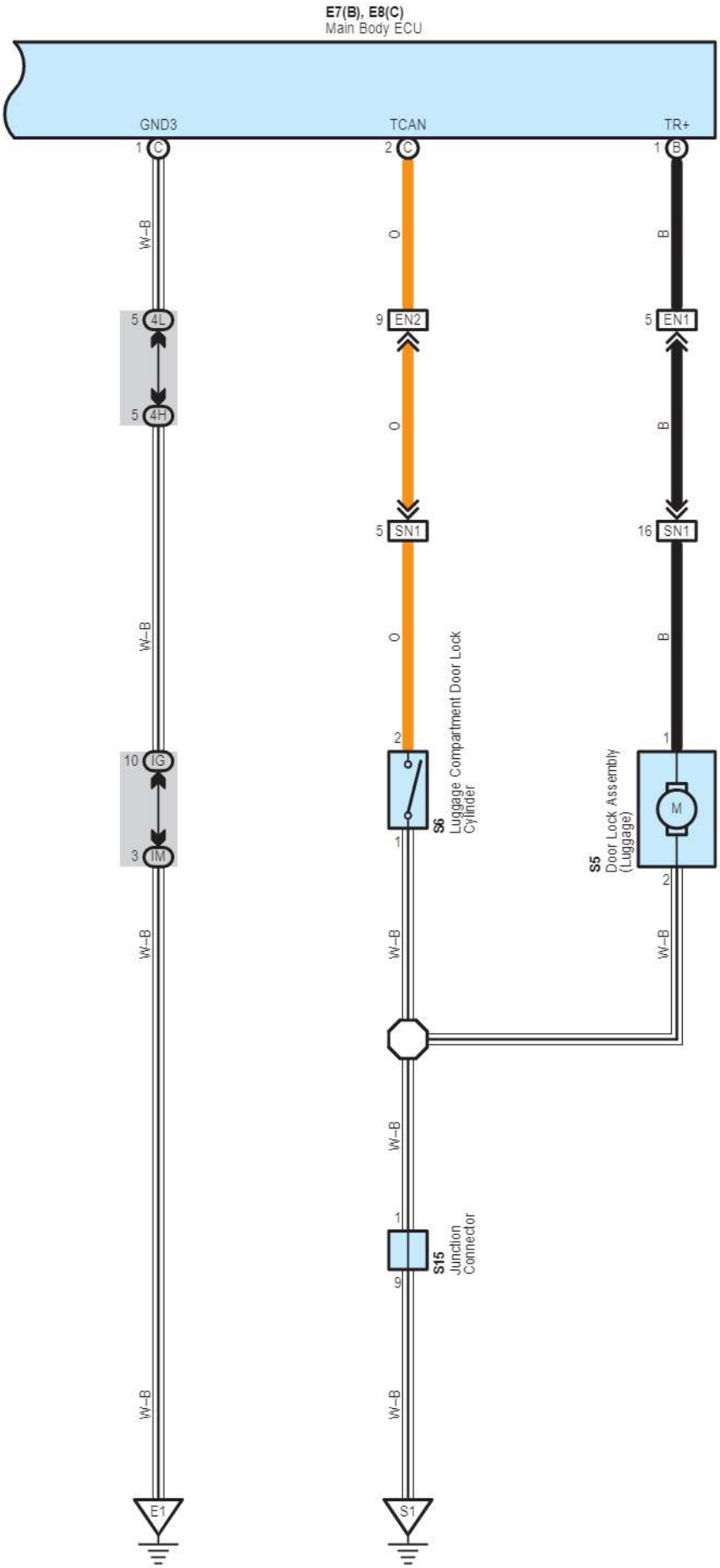
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EO1	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
EO2		
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
HE1	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
HE2		
IE2	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IM2	64	Front Door LH Wire and Front Door LH No.2 Wire (Inside of the Front Door LH)
JO1	64	Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar)
KN1	64	Rear Door No.2 Wire and Floor Wire (Left Center Pillar)

: **Ground Points**

Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
N1	64	Left Rear Quarter Panel
O1	64	Right Rear Quarter Panel

Luggage Compartment Door Opener




E7(B), E8(C)
Main Body ECU
GND3
TCAN
TR+
1 C
2 C
1 B
W-B
O
B
5 4L
5 4H
9 EN2
5 EN1
5 SN1
16 SN1
10 IG
3 IM
2
1
S6
Luggage Compartment Door Lock Cylinder
S5
Door Lock Assembly (Luggage)
M
S15
Junction Connector
E1
S1

Luggage Compartment Door Opener

○ : **Parts Location**

Code		See Page	Code	See Page	Code	See Page
E7	B	52	E49	53	S6	57
E8	C	52	S5	57	S15	57

⬭ : **Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

⬭ : **Junction Block and Wire Harness Connector**

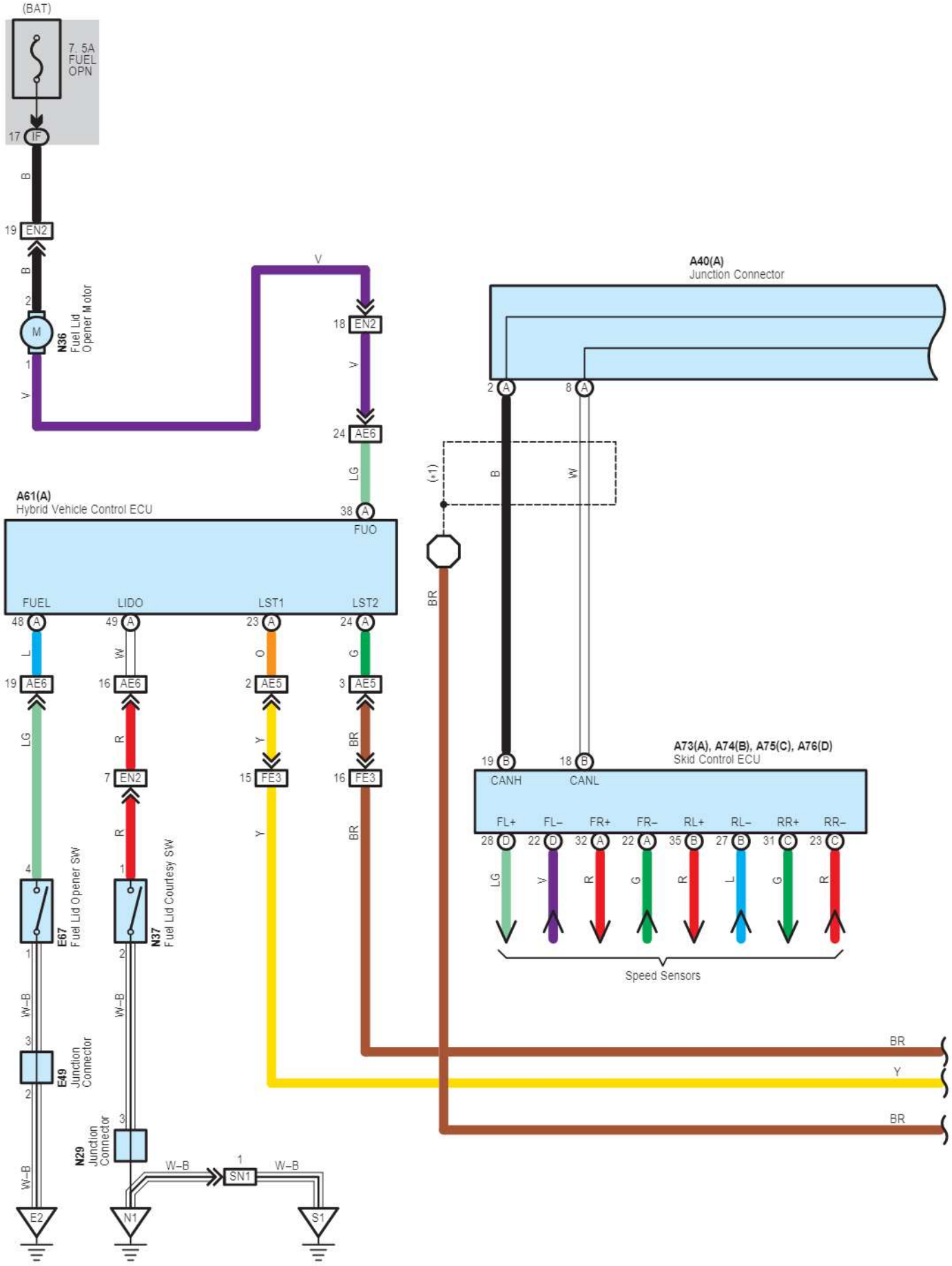
Code	See Page	Junction Block and Wire Harness (Connector Location)
4H	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4L		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IM	30	

▭ : **Connector Joining Wire Harness and Wire Harness**

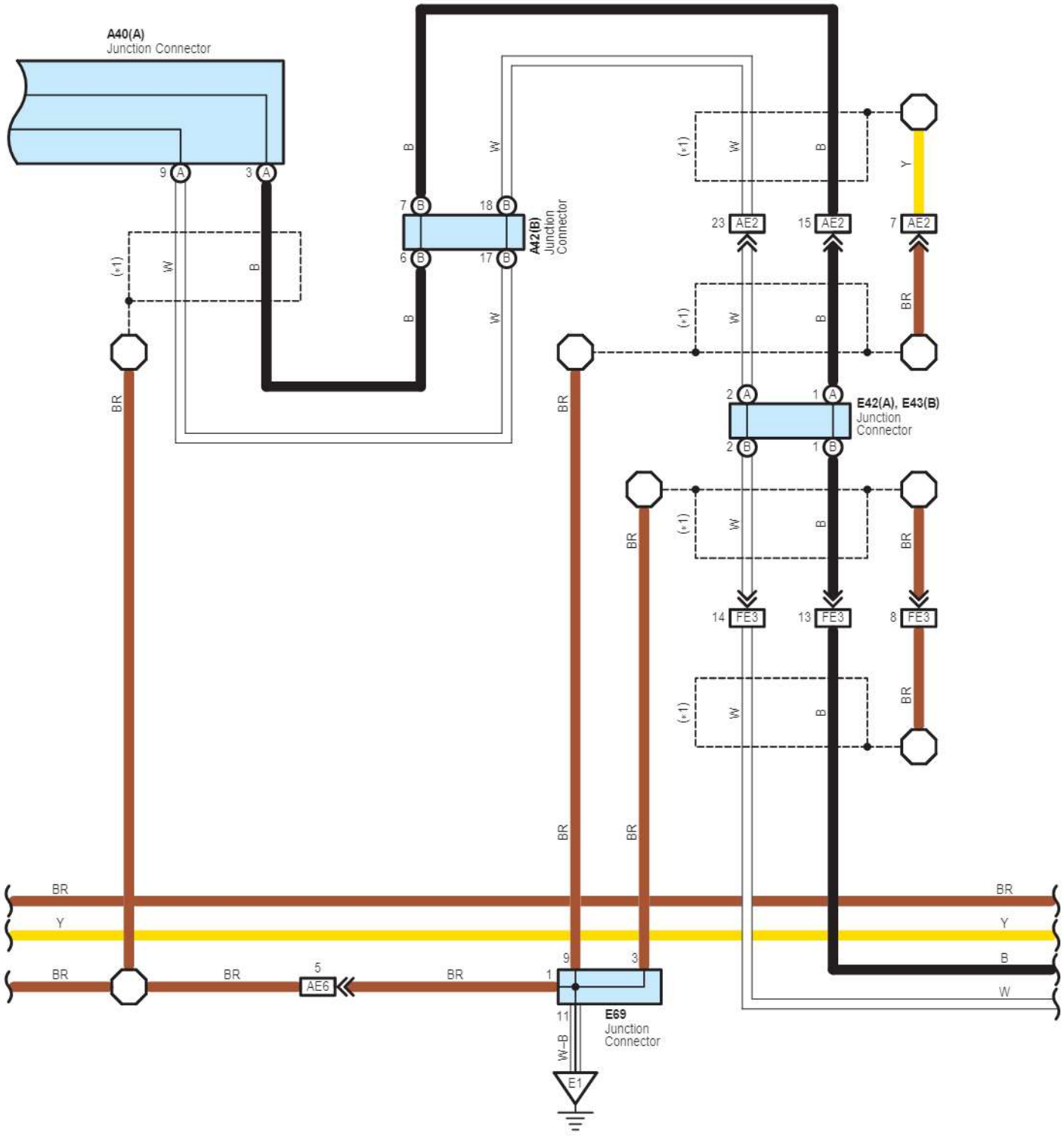
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EN1	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EN2		
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

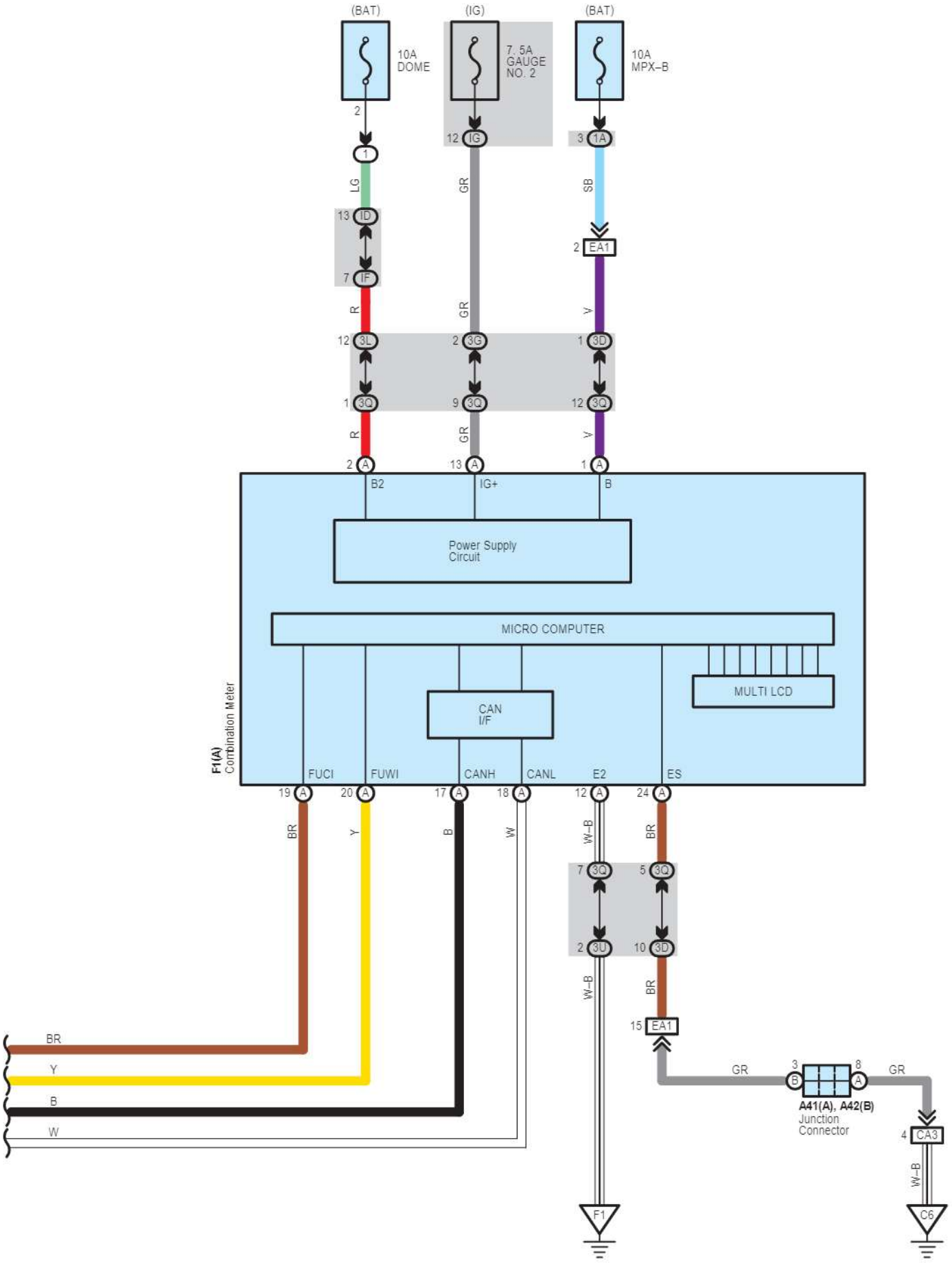
▽ : **Ground Points**

Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
S1	64	Lower Back Panel Center


(BAT)
7.5A FUEL OPN
17 IF
B
19 EN2
B
2
M
N36 Fuel Lid Opener Motor
1
V
V
18 EN2
V
24 AE6
LG
38 A
FUO
A61(A)
Hybrid Vehicle Control ECU
FUEL
LIDO
LST1
LST2
48 A
49 A
23 A
24 A
L
W
O
G
19 AE6
16 AE6
2 AE5
3 AE5
LG
R
Y
BR
7 EN2
15 FE3
16 FE3
R
Y
BR
4
1
E67 Fuel Lid Opener SW
N37 Fuel Lid Courtesy SW
W-B
3
2
E49 Junction Connector
W-B
W-B
3
N29 Junction Connector
W-B
1
SN1
W-B
E2
N1
S1
A40(A)
Junction Connector
2 A
8 A
(*1)
B
W
BR
19 B
18 B
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
CANH
CANL
FL+
FL-
FR+
FR-
RL+
RL-
RR+
RR-
28 D
22 D
32 A
22 A
35 B
27 B
31 C
23 C
LG
V
R
G
R
L
G
R
Speed Sensors
BR
Y
BR

* 1 : Shielded


A40(A)
Junction Connector
9 A
3 A
7 B
18 B
6 B
17 B
A42(B)
Junction
Connector
(*1)
W
B
BR
Y
23 AE2
15 AE2
7 AE2
2 A
1 A
2 B
1 B
E42(A), E43(B)
Junction
Connector
14 FE3
13 FE3
8 FE3
5
AE6
9
3
1
11
E69
Junction
Connector
W–B
E1


(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
2
1
LG
13 ID
7 IF
R
12 3L
1 3Q
R
2 A
12 IG
GR
2 3G
9 3Q
GR
13 A
3 1A
SB
2 EA1
V
1 3D
12 3Q
V
1 A
B2
IG+
B
Power Supply
Circuit
MICRO COMPUTER
MULTI LCD
CAN
I/F
F1(A)
Combination Meter
FUCI
FUWI
CANH
CANL
E2
ES
19 A
20 A
17 A
18 A
12 A
24 A
BR
Y
B
W
W–B
BR
7 3Q
5 3Q
2 3U
10 3D
W–B
BR
15 EA1
GR
3 B
8 A
GR
A41(A), A42(B)
Junction
Connector
4 CA3
W–B
F1
C6
BR
Y
B
W

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A40	A	55	A75	C	55	E69		53
A41	A	55	A76	D	55	F1	A	54
A42	B	55	E42	A	48, 53	N29		56
A61	A	50	E43	B	48, 53	N36		56
A73	A	55	E49		53	N37		56
A74	B	55	E67		53			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

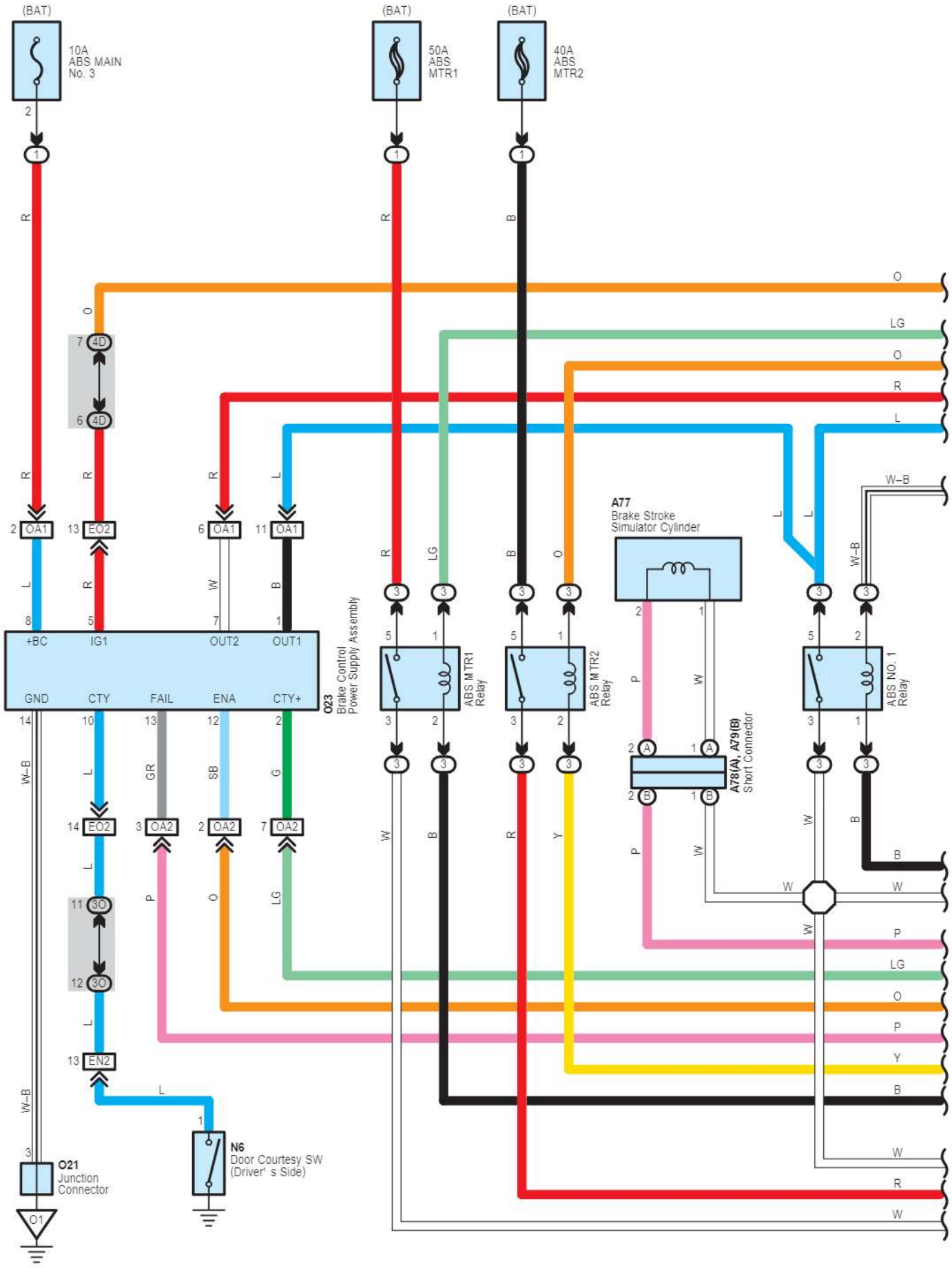
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3D	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3G		
3L		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	

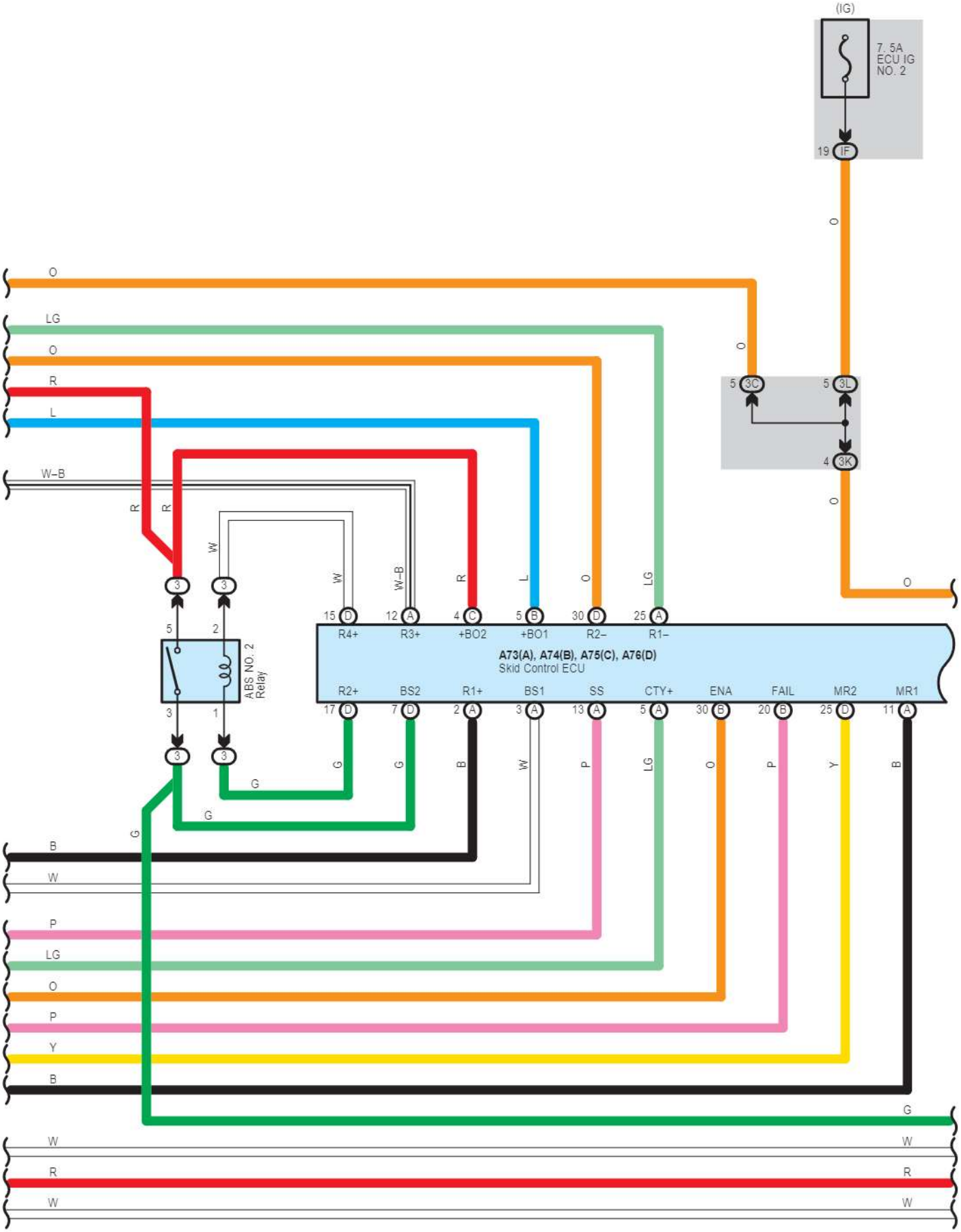
: Connector Joining Wire Harness and Wire Harness

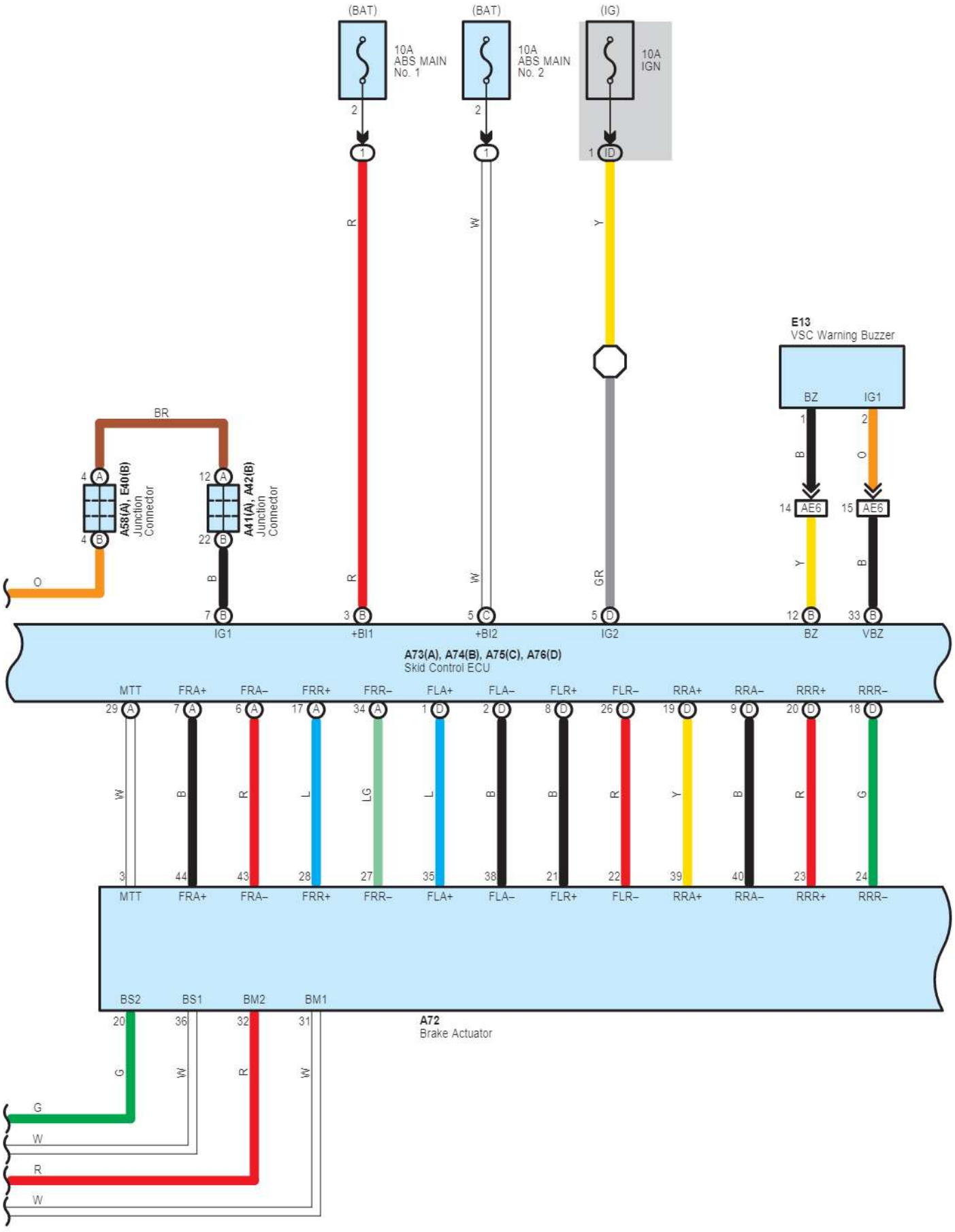
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE5	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
AE6		
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

: Ground Points

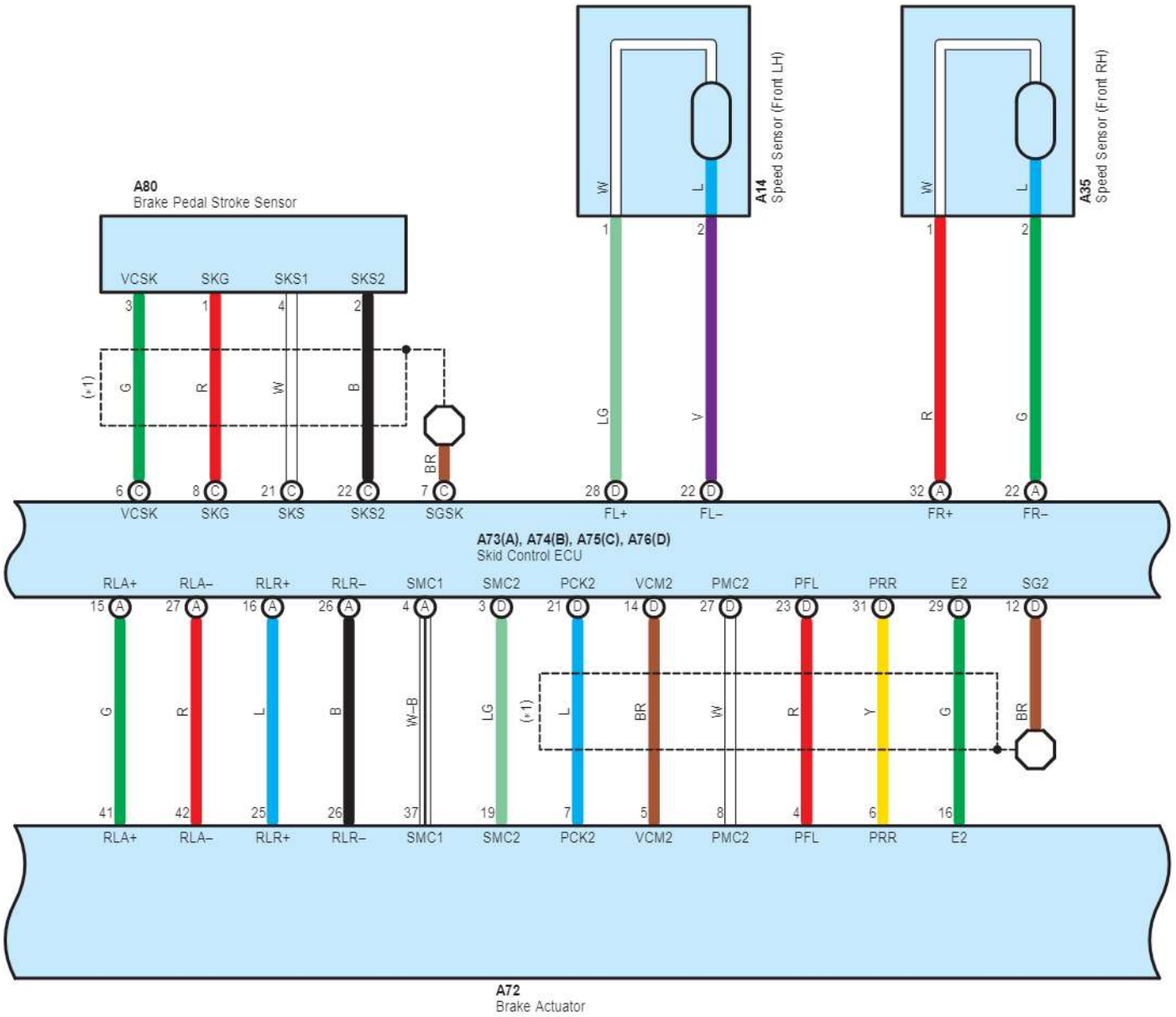
Code	See Page	Ground Points Location
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
N1	64	Left Rear Quarter Panel
S1	64	Lower Back Panel Center

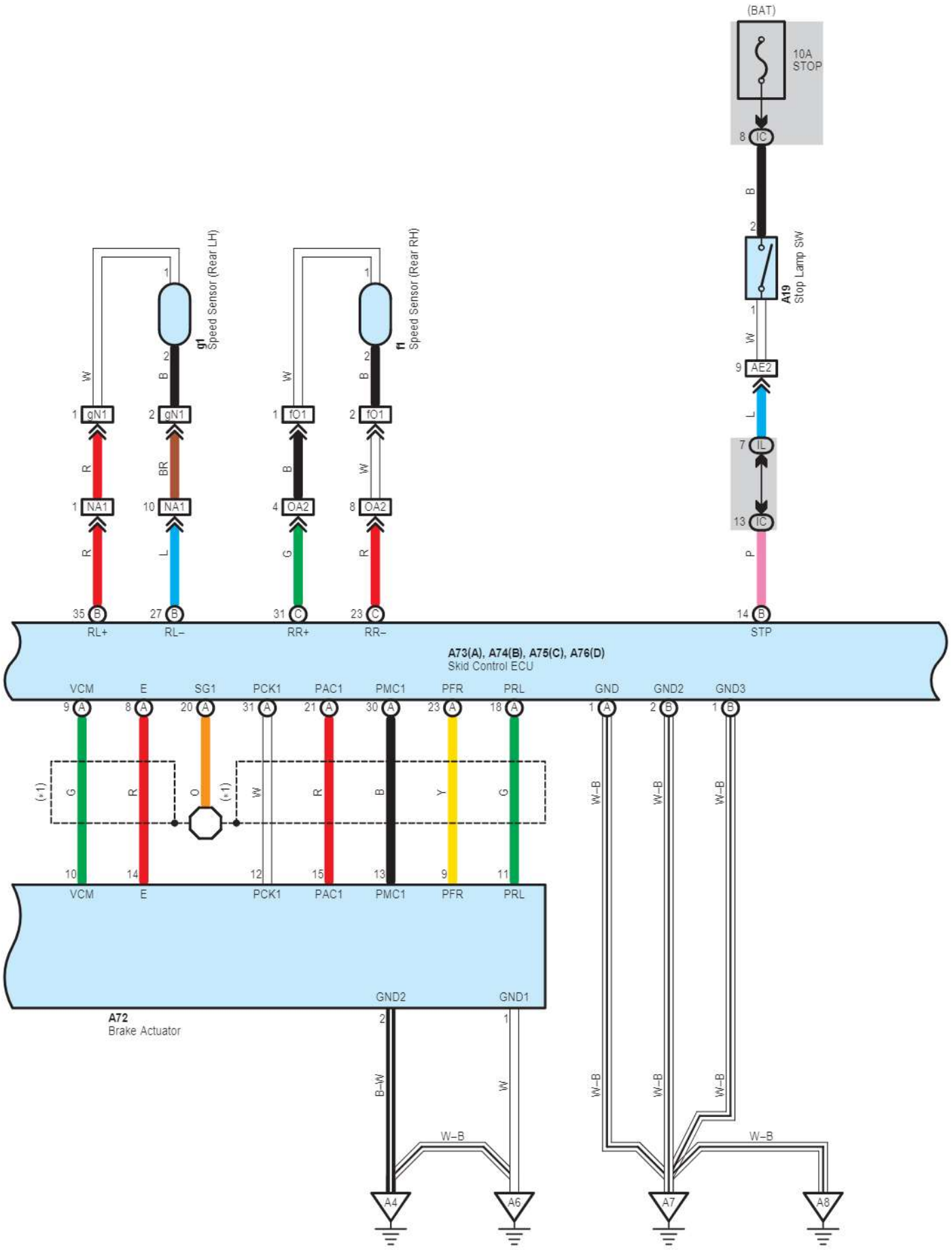

(BAT)
10A
ABS MAIN
No. 3
(BAT)
50A
ABS
MTR1
(BAT)
40A
ABS
MTR2
+BC
IG1
OUT2
OUT1
GND
CTY
FAIL
ENA
CTY+
O23
Brake Control
Power Supply Assembly
ABS MTR1
Relay
ABS MTR2
Relay
ABS NO. 1
Relay
A77
Brake Stroke
Simulator Cylinder
A78(A), A79(B)
Short Connector
O21
Junction
Connector
N6
Door Courtesy SW
(Driver' s Side)

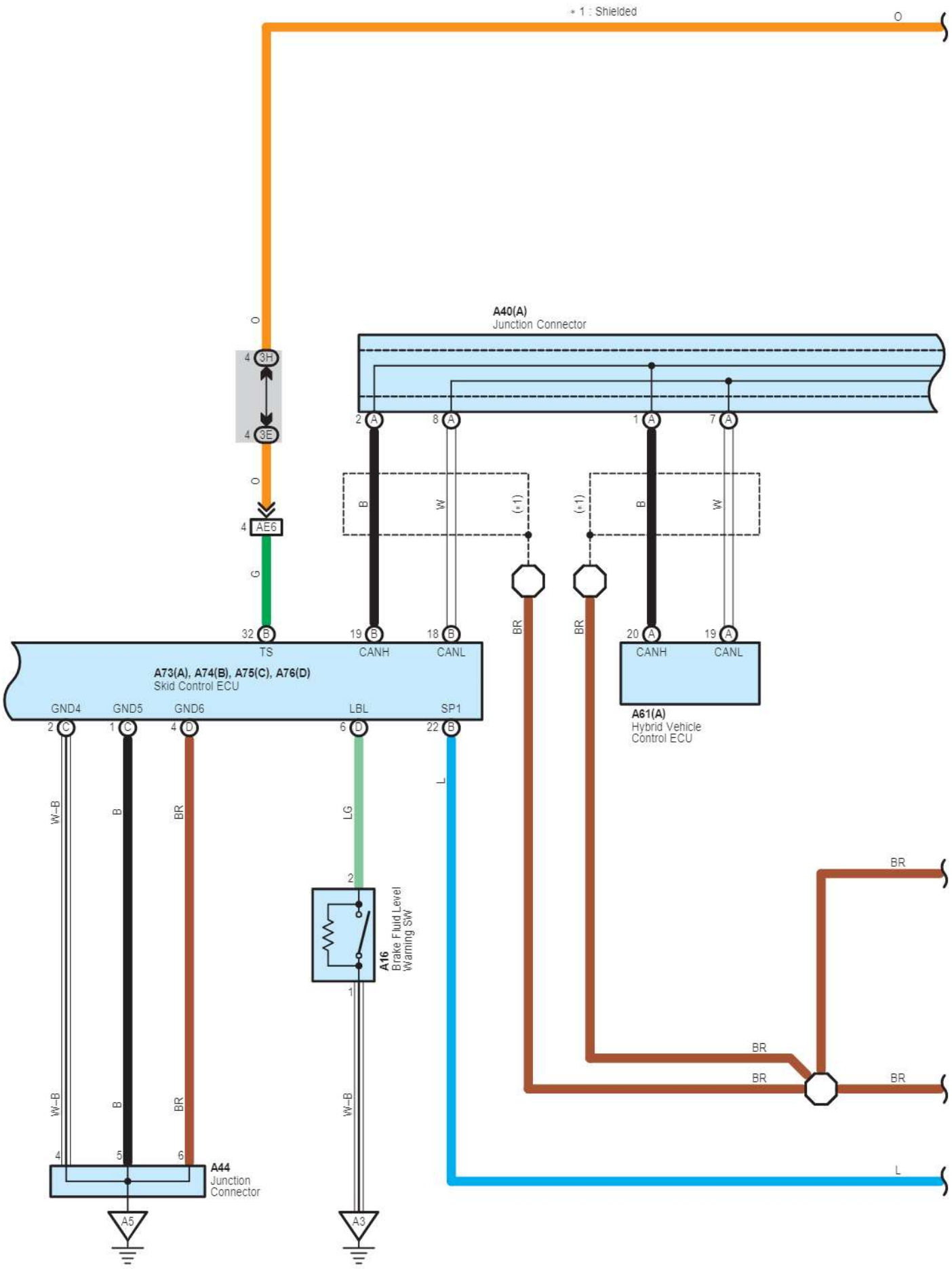

(IG)
7. 5A
ECU IG
NO. 2
19 IF
O
5 3C
5 3L
4 3K
O
O
LG
O
R
L
W–B
R
R
W
3
3
W
W–B
R
L
O
LG
15 D
12 A
4 C
5 B
30 D
25 A
R4+
R3+
+BO2
+BO1
R2–
R1–
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
R2+
BS2
R1+
BS1
SS
CTY+
ENA
FAIL
MR2
MR1
17 D
7 D
2 A
3 A
13 A
5 A
30 B
20 B
25 D
11 A
5
2
ABS NO. 2
Relay
3
1
3
3
G
G
G
G
G
B
W
P
LG
O
P
Y
B
B
W
P
LG
O
P
Y
B
G
W
R
W
W
R
W

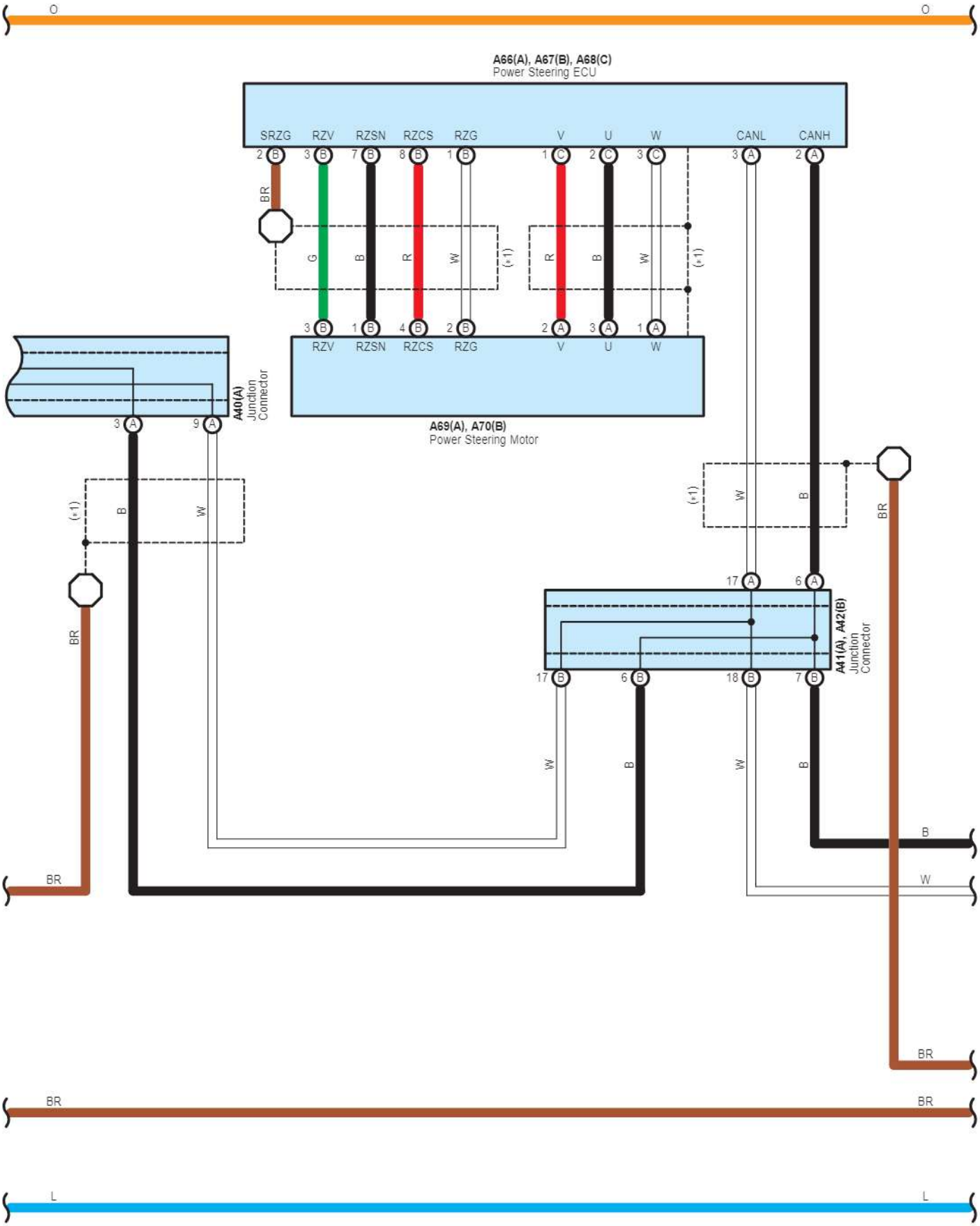

(BAT)
10A
ABS MAIN
No. 1
(BAT)
10A
ABS MAIN
No. 2
(IG)
10A
IGN
E13
VSC Warning Buzzer
BZ
IG1
BR
A58(A), E40(B)
Junction
Connector
A41(A), A42(B)
Junction
Connector
AE6
AE6
IG1
+BI1
+BI2
IG2
BZ
VBZ
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
MTT
FRA+
FRA–
FRR+
FRR–
FLA+
FLA–
FLR+
FLR–
RRA+
RRA–
RRR+
RRR–
BS2
BS1
BM2
BM1
A72
Brake Actuator

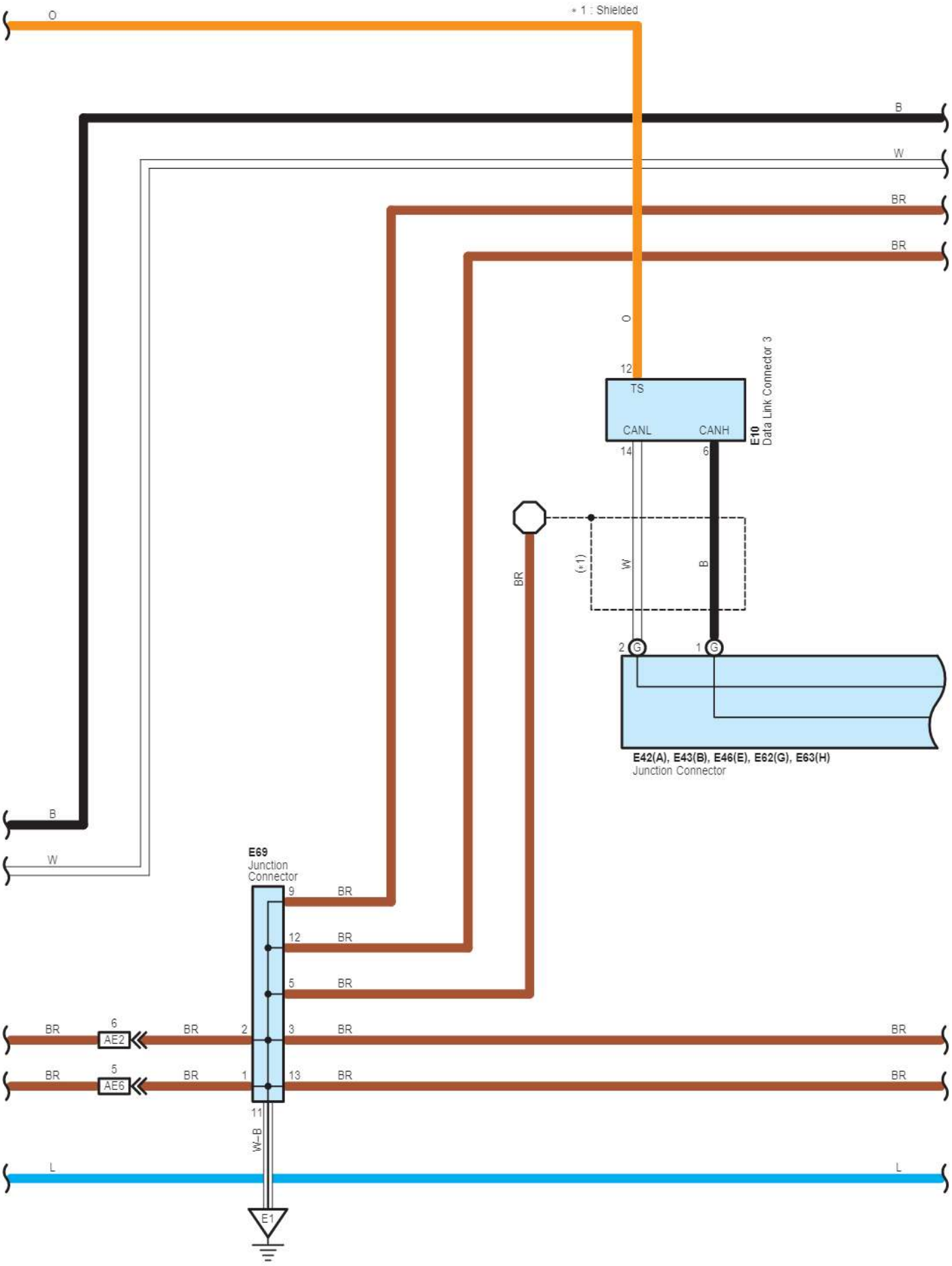
* 1 : Shielded

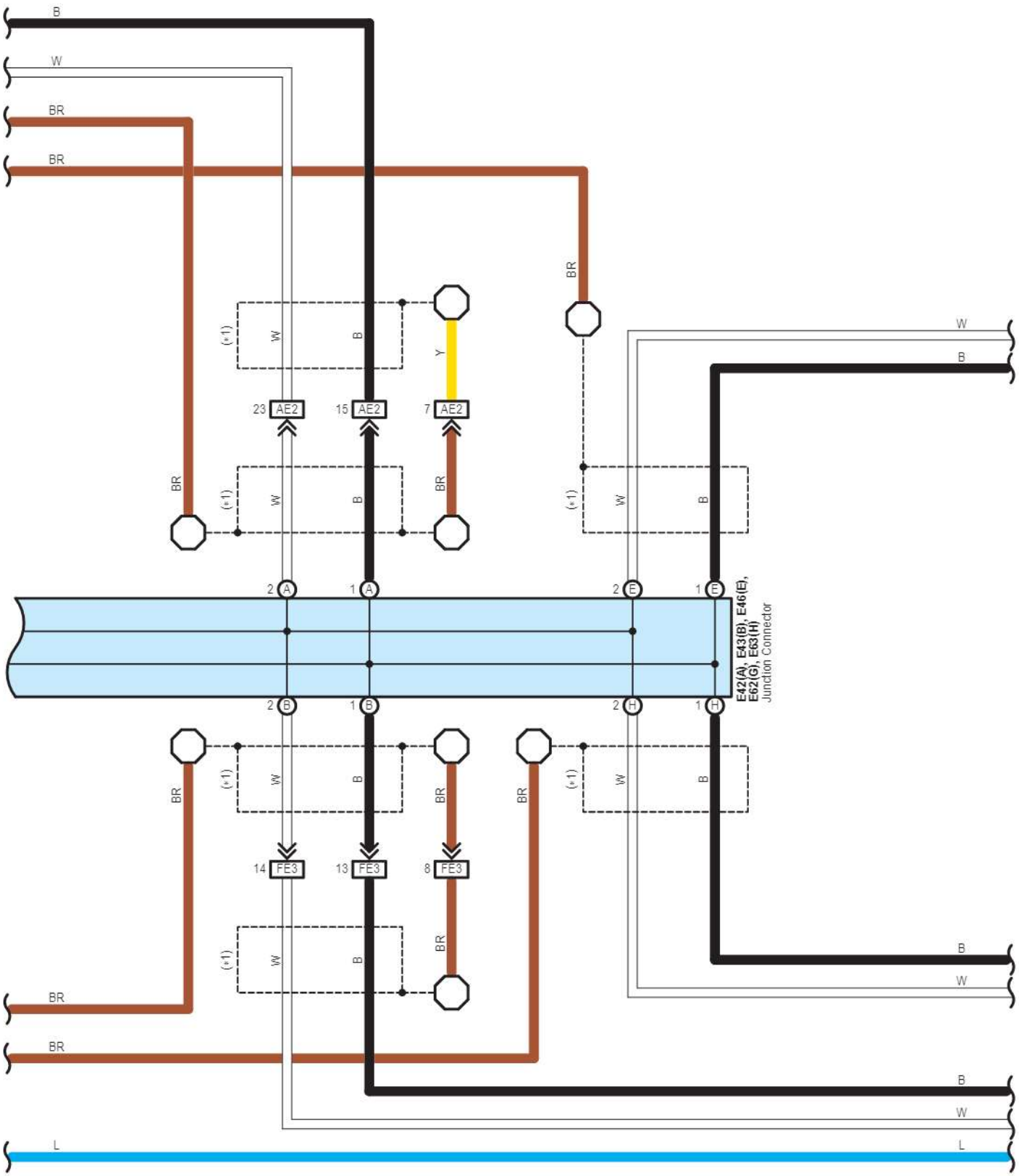

A80
Brake Pedal Stroke Sensor
VCSK
SKG
SKS1
SKS2
(*1)
BR
A14
Speed Sensor (Front LH)
A35
Speed Sensor (Front RH)
FL+
FL–
FR+
FR–
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
RLA+
RLA–
RLR+
RLR–
SMC1
SMC2
PCK2
VCM2
PMC2
PFL
PRR
E2
SG2
SGSK
A72
Brake Actuator

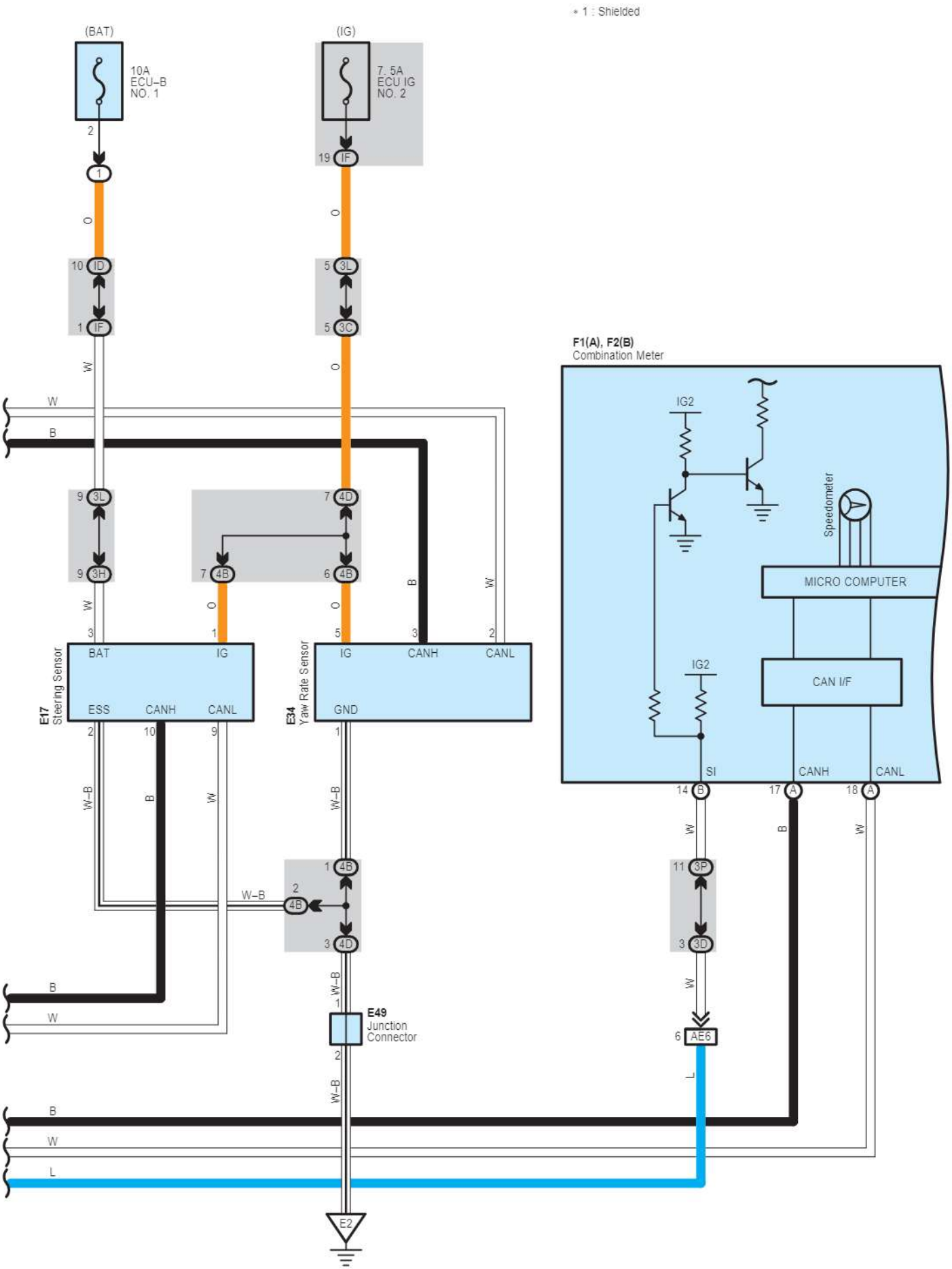

(BAT)
10A
STOP
8 IC
B
2
A19
Stop Lamp SW
1
W
9 AE2
L
7 IL
13 IC
P
14 B
STP
g1
Speed Sensor (Rear LH)
f1
Speed Sensor (Rear RH)
W
B
BR
R
L
G
1 gN1
2 gN1
1 fO1
2 fO1
1 NA1
10 NA1
4 OA2
8 OA2
35 B
RL+
27 B
RL−
31 C
RR+
23 C
RR−
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
VCM
E
SG1
PCK1
PAC1
PMC1
PFR
PRL
GND
GND2
GND3
9 A
8 A
20 A
31 A
21 A
30 A
23 A
18 A
1 A
2 B
1 E
(*1)
O
W
Y
W-B
10
14
12
15
13
9
11
A72
Brake Actuator
B-W
A4
A6
A7
A8

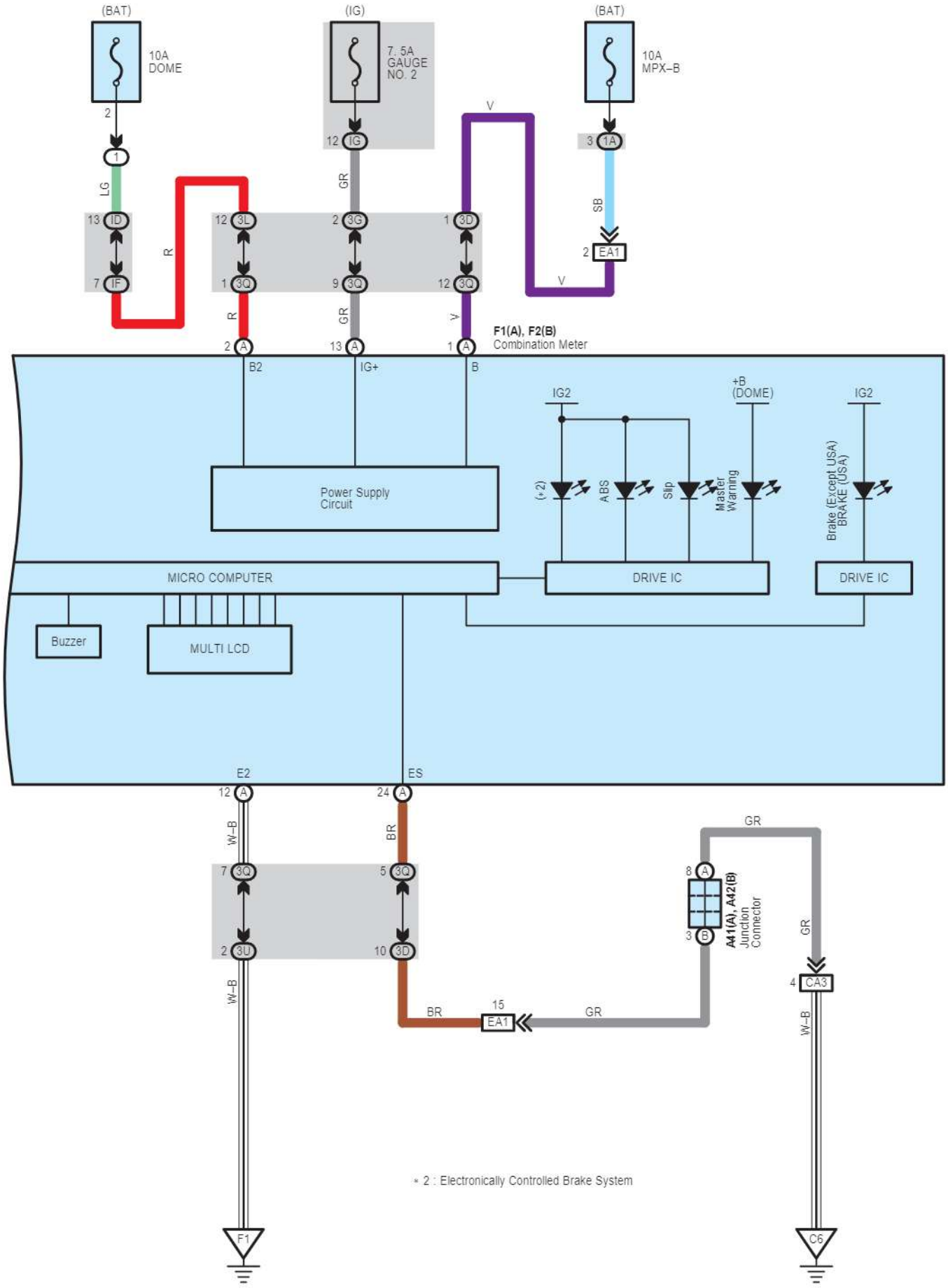

* 1 : Shielded
O
A40(A)
Junction Connector
4 3H
4 3E
4 AE6
G
32 B TS
19 B CANH
18 B CANL
2 A
8 A
1 A
7 A
B
W
(*1)
BR
20 A CANH
19 A CANL
A61(A)
Hybrid Vehicle
Control ECU
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
GND4
GND5
GND6
LBL
SP1
2 C
1 C
4 D
6 D
22 B
W-B
B
BR
LG
L
A16
Brake Fluid Level
Warning SW
A44
Junction
Connector
A5
A3


O
O
A66(A), A67(B), A68(C)
Power Steering ECU
SRZG
RZV
RZSN
RZCS
RZG
V
U
W
CANL
CANH
BR
G
B
R
W
(+1)
A69(A), A70(B)
Power Steering Motor
A40(A)
Junction
Connector
A41(A), A42(B)
Junction
Connector
BR
BR
BR
BR
L
L


* 1 : Shielded
O
B
W
BR
BR
O
12
TS
CANL
CANH
14
6
E10
Data Link Connector 3
(*1)
W
B
BR
2
1
E42(A), E43(B), E46(E), E62(G), E63(H)
Junction Connector
B
W
E69
Junction
Connector
9
BR
12
BR
5
BR
BR
6
AE2
BR
2
3
BR
BR
BR
5
AE6
BR
1
13
BR
BR
11
W–B
L
L
E1


B
W
BR
BR
BR
(*1)
W
B
Y
23 AE2
15 AE2
7 AE2
BR
BR
(*1)
W
B
BR
(*1)
W
B
W
B
2 A
1 A
2 E
1 E
E42(A), E43(B), E46(E),
E62(G), E63(H)
Junction Connector
2 B
1 B
2 H
1 H
BR
(*1)
W
B
BR
BR
(*1)
W
B
14 FE3
13 FE3
8 FE3
BR
(*1)
W
B
BR
BR
B
W
B
W
L
L


* 1 : Shielded
(BAT)
10A
ECU-B
NO. 1
(IG)
7. 5A
ECU IG
NO. 2
F1(A), F2(B)
Combination Meter
IG2
Speedometer
MICRO COMPUTER
CAN I/F
SI
CANH
CANL
E17
Steering Sensor
BAT
IG
ESS
CANH
CANL
E34
Yaw Rate Sensor
IG
CANH
CANL
GND
E49
Junction
Connector
E2
AE6


(BAT)
10A
DOME
(IG)
7.5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
F1(A), F2(B)
Combination Meter
B2
IG+
B
IG2
+B
(DOME)
IG2
Power Supply
Circuit
(*2)
ABS
Slip
Master
Warning
Brake (Except USA)
BRAKE (USA)
MICRO COMPUTER
DRIVE IC
DRIVE IC
Buzzer
MULTI LCD
E2
ES
A41(A), A42(B)
Junction
Connector
CA3
EA1
F1
C6
* 2 : Electronically Controlled Brake System

System Outline

Vehicle dynamics integrated management improves travel performance of the vehicle such as 'Driving, turning and stopping' with the steering control (Front wheel steering angle, steering torque), which is outcome of the system unification and collaboration among independent functions such as ABS, TRAC and VSC.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A14	50	A72	50	E43 B	48, 53
A16	50	A73 A	55	E46 E	48, 53
A19	55	A74 B	55	E49	53
A35	50	A75 C	55	E62 G	48, 53
A40 A	55	A76 D	55	E63 H	48, 53
A41 A	55	A77	50	E69	53
A42 B	55	A78 A	50	F1 A	54
A44	50	A79 B	50	F2 B	54
A58 A	55	A80	55	N6	56
A61 A	50	E10	52	O21	56
A66 A	50	E13	52	O23	56
A67 B	50	E17	52	f1	57
A68 C	50	E34	52	g1	57
A69 A	50	E40 B	53		
A70 B	50	E42 A	48, 53		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)
3	22	Engine Room R/B No.3 (Engine Compartment Right)

▭ : Junction Block and Wire Harness Connector

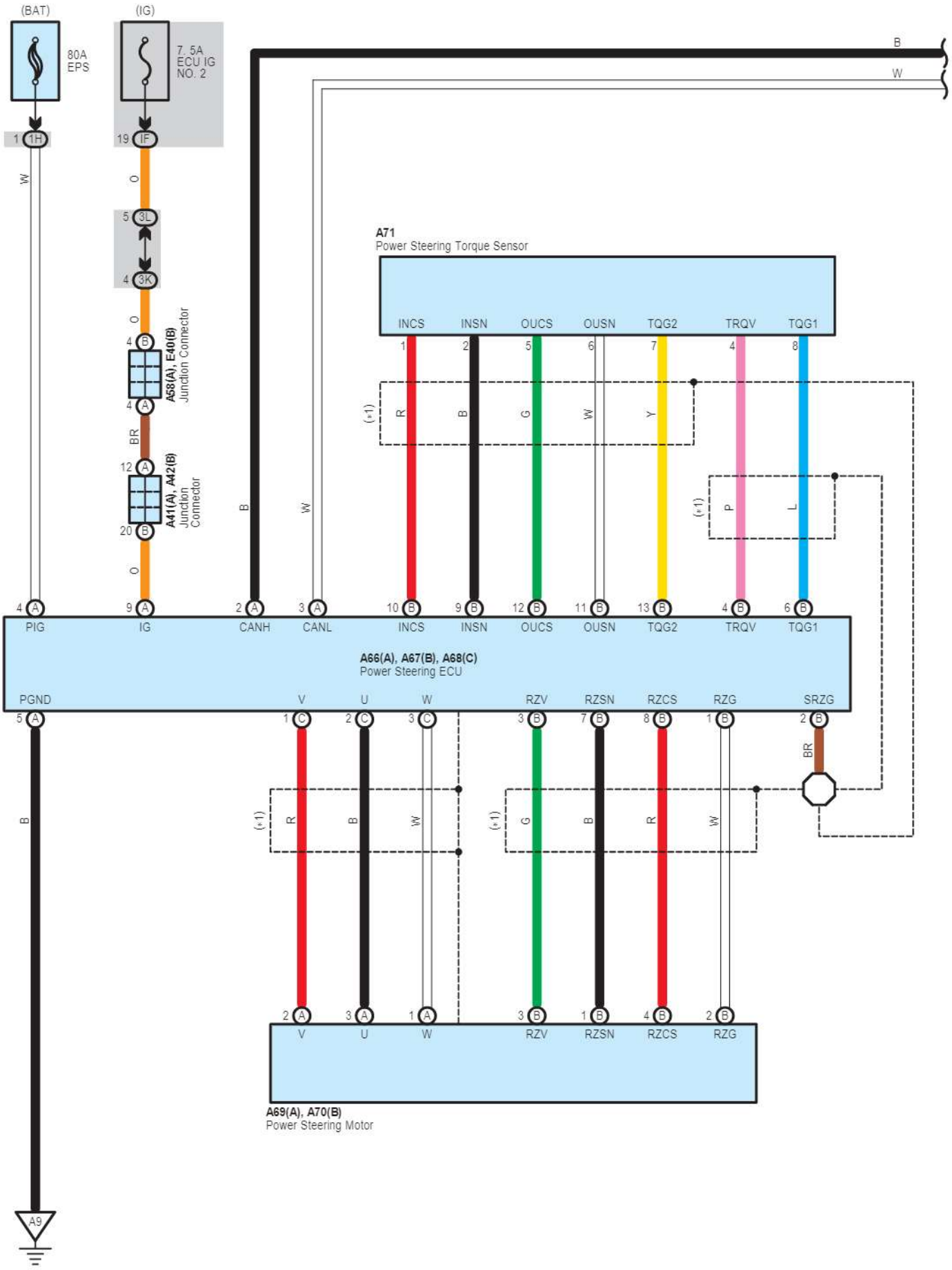
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3E		
3G		
3H		
3K		
3L		
3O		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3U		
4B	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4D		
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IL	30	

: **Connector Joining Wire Harness and Wire Harness**

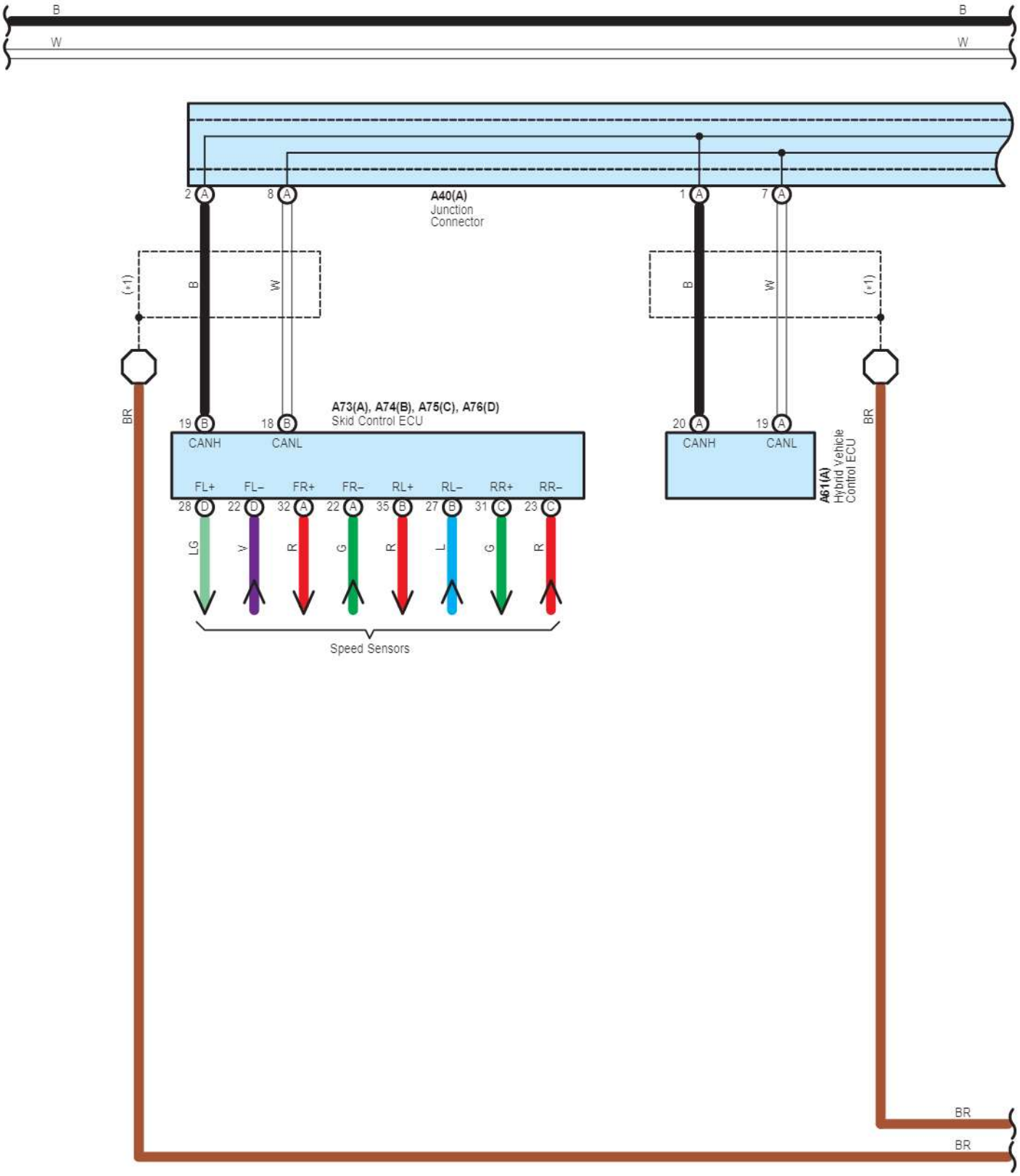
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
NA1	63	Floor Wire and Engine Room Main Wire (Left Kick Panel)
OA1	63	Floor No.2 Wire and Engine Room Main Wire (Right Kick Panel)
OA2		
fO1	64	Skid Control Sensor Wire RH and Floor No.2 Wire (Quarter Wheel House Panel RH)
gN1	64	Skid Control Sensor Wire LH and Floor Wire (Quarter Wheel House Panel LH)

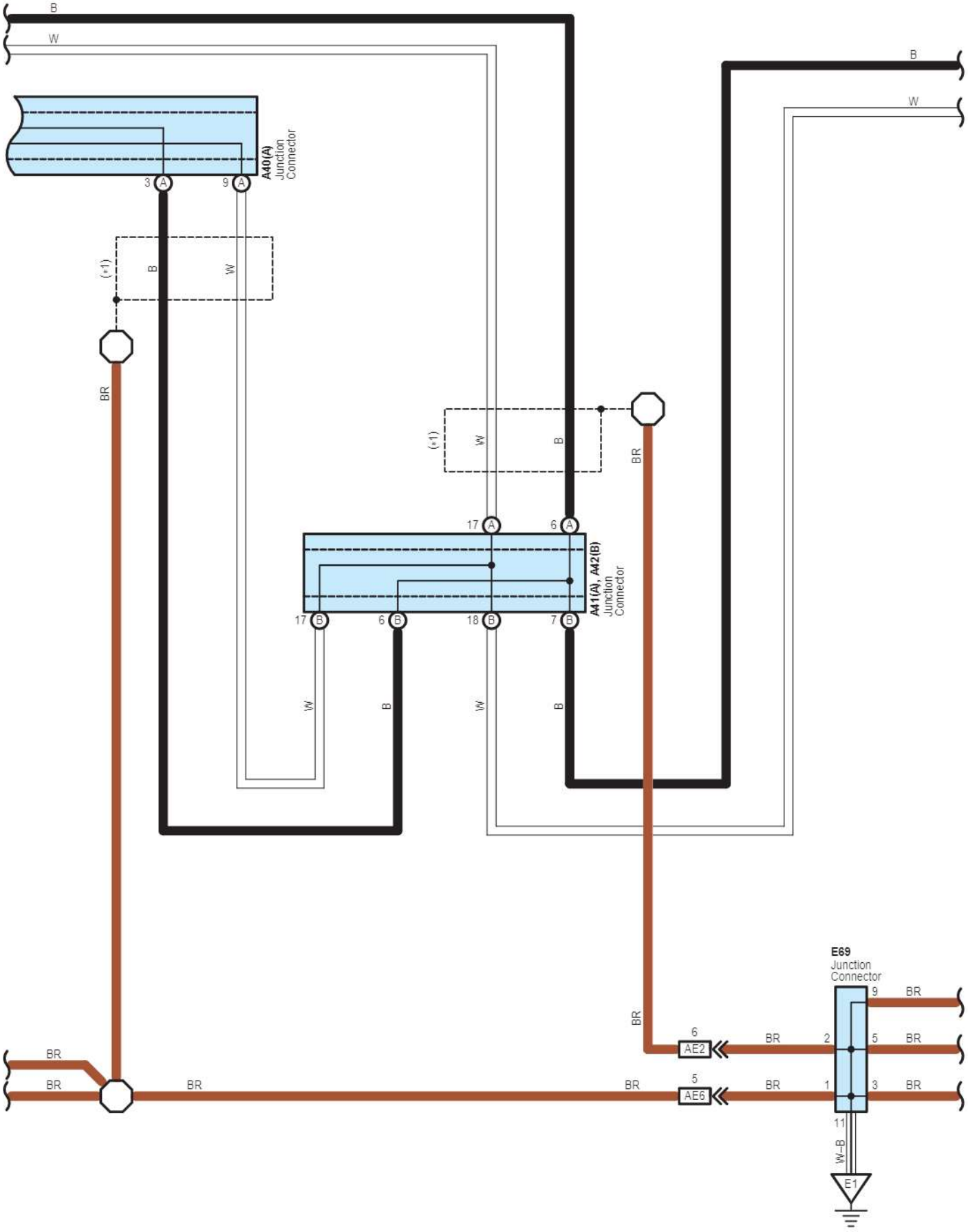
: **Ground Points**

Code	See Page	Ground Points Location
A3	63	Left Cowl Side Panel
A4	62	Near the Brake Actuator
A5	62	Front Right Fender
A6	63	Right Cowl Side Panel
A7		
A8	62	Near the Brake Actuator
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
O1	64	Right Rear Quarter Panel

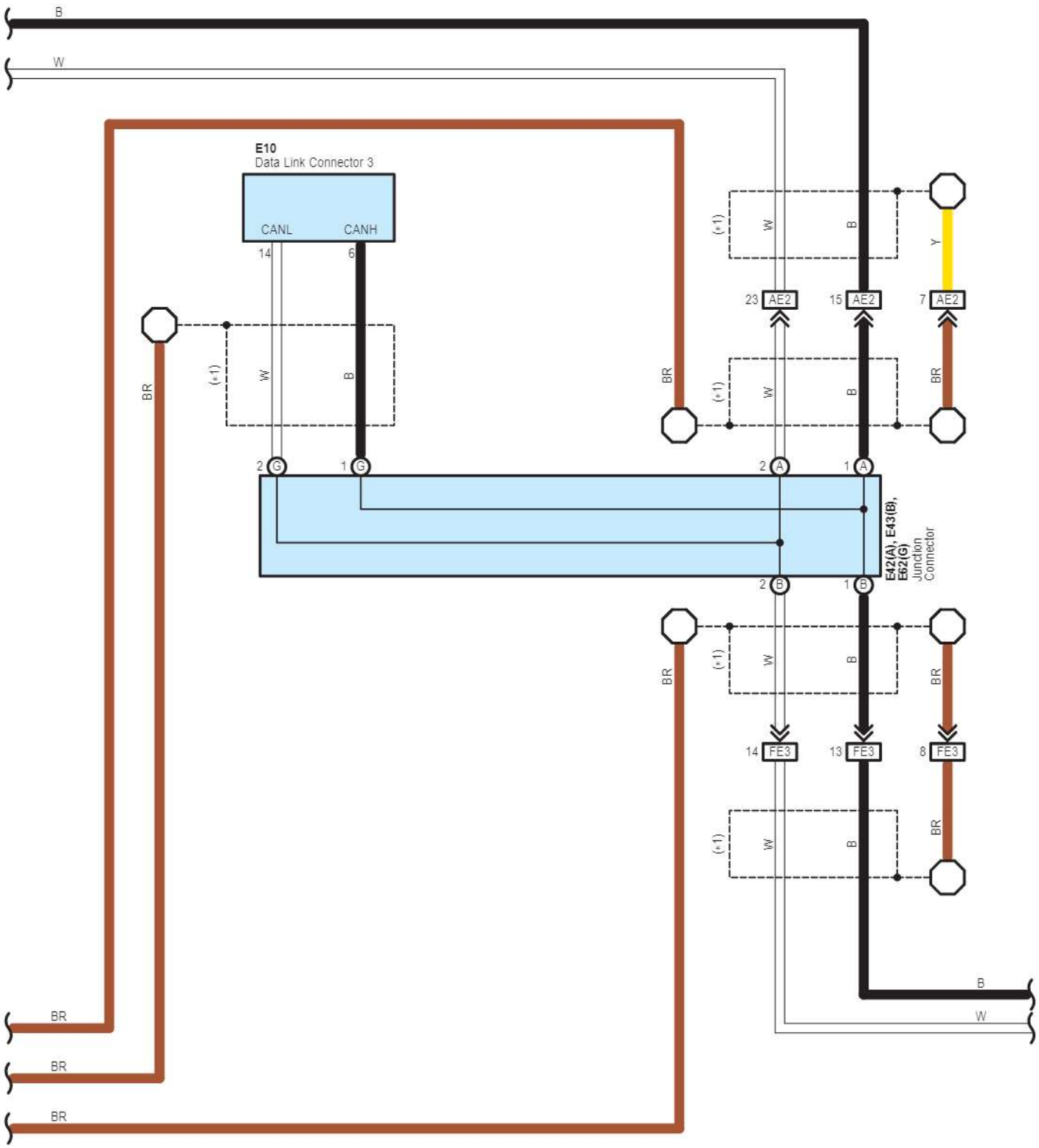

(BAT)
(IG)
80A
EPS
7. 5A
ECU IG
NO. 2
B
W
1 1H
19 IF
W
O
5 3L
4 3K
O
4 B
A58(A), E40(B)
Junction Connector
4 A
BR
12 A
A41(A), A42(B)
Junction
Connector
20 B
O
A71
Power Steering Torque Sensor
INCS
INSN
OUCS
OUSN
TQG2
TRQV
TQG1
(*1)
R
B
G
W
Y
P
L
4 A PIG
9 A IG
2 A CANH
3 A CANL
10 B INCS
9 B INSN
12 B OUCS
11 B OUSN
13 B TQG2
4 B TRQV
6 B TQG1
A66(A), A67(B), A68(C)
Power Steering ECU
PGND
V
U
W
RZV
RZSN
RZCS
RZG
SRZG
5 A
1 C
2 C
3 C
3 B
7 B
8 B
1 B
2 B
BR
B
(*1)
R
B
W
(*1)
G
B
R
W
2 A V
3 A U
1 A W
3 B RZV
1 B RZSN
4 B RZCS
2 B RZG
A69(A), A70(B)
Power Steering Motor
A9

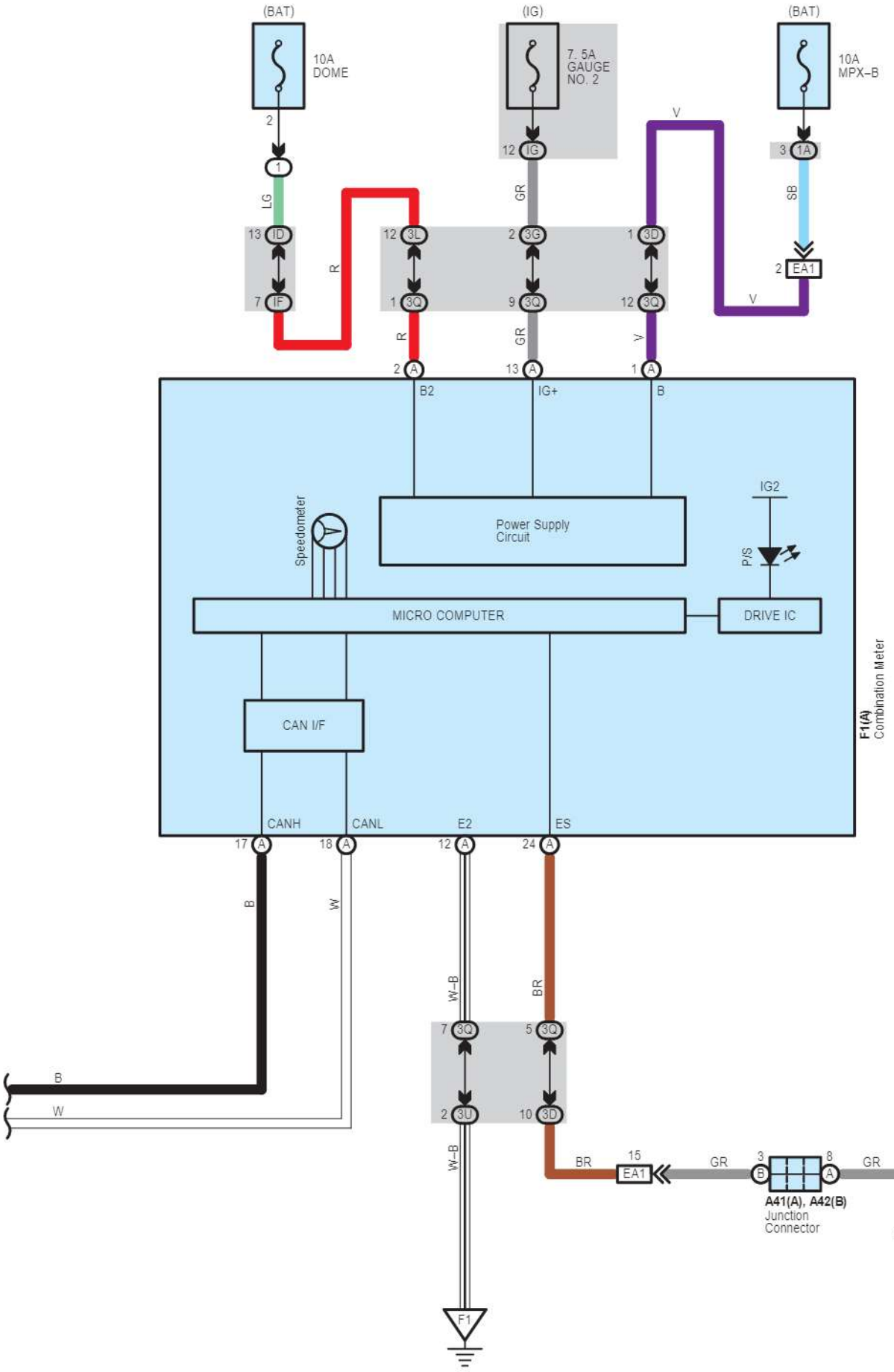
* 1 : Shielded


B
W
B
W
2 A
8 A
A40(A)
Junction
Connector
1 A
7 A
(*1)
B
W
B
W
(*1)
BR
BR
19 B
18 B
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
CANH
CANL
20 A
19 A
CANH
CANL
A61(A)
Hybrid Vehicle
Control ECU
FL+
FL−
FR+
FR−
RL+
RL−
RR+
RR−
28 D
22 D
32 A
22 A
35 B
27 B
31 C
23 C
LG
V
R
G
R
L
G
R
Speed Sensors
BR
BR


B
W
A40(A)
Junction
Connector
3 A
9 A
(+1)
B
W
BR
(+1)
W
B
BR
17 A
6 A
A41(A), A42(B)
Junction
Connector
17 B
6 B
18 B
7 B
W
B
W
B
B
W
E69
Junction
Connector
9 BR
6
AE2
BR
2
5 BR
BR
5
AE6
BR
1
3 BR
11
W-B
E1
BR
BR
BR
BR

* 1 : Shielded


B
W
E10
Data Link Connector 3
CANL
CANH
14
6
(*1)
W
B
BR
2 G
1 G
2 A
1 A
23 AE2
15 AE2
7 AE2
Y
E42(A), E43(B), E62(G)
Junction Connector
2 B
1 B
14 FE3
13 FE3
8 FE3
BR
BR
BR
B
W


(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
LG
GR
V
SB
R
V
R
GR
V
B2
IG+
B
IG2
Speedometer
Power Supply
Circuit
P/S
MICRO COMPUTER
DRIVE IC
CAN I/F
F1(A)
Combination Meter
CANH
CANL
E2
ES
B
W
W–B
BR
W–B
BR
GR
GR
A41(A), A42(B)
Junction
Connector
W–B
B
W
F1
C6

System Outline

* To reduce driver's steering force, assist current is calculated from torque sensor signal and vehicle speed signal to output them to the motor.
* When abnormality is found in the system, the power relay and motor relay (Built in the ECU) are shut off to stop the assistance and the warning lamp (P/S) illuminates in the meter.

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A40	A	55	A69	A	50	E40	B	53
A41	A	55	A70	B	50	E42	A	48, 53
A42	B	55	A71		50	E43	B	48, 53
A58	A	55	A73	A	55	E62	G	48, 53
A61	A	50	A74	B	55	E69		53
A66	A	50	A75	C	55	F1	A	54
A67	B	50	A76	D	55			
A68	C	50	E10		52			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

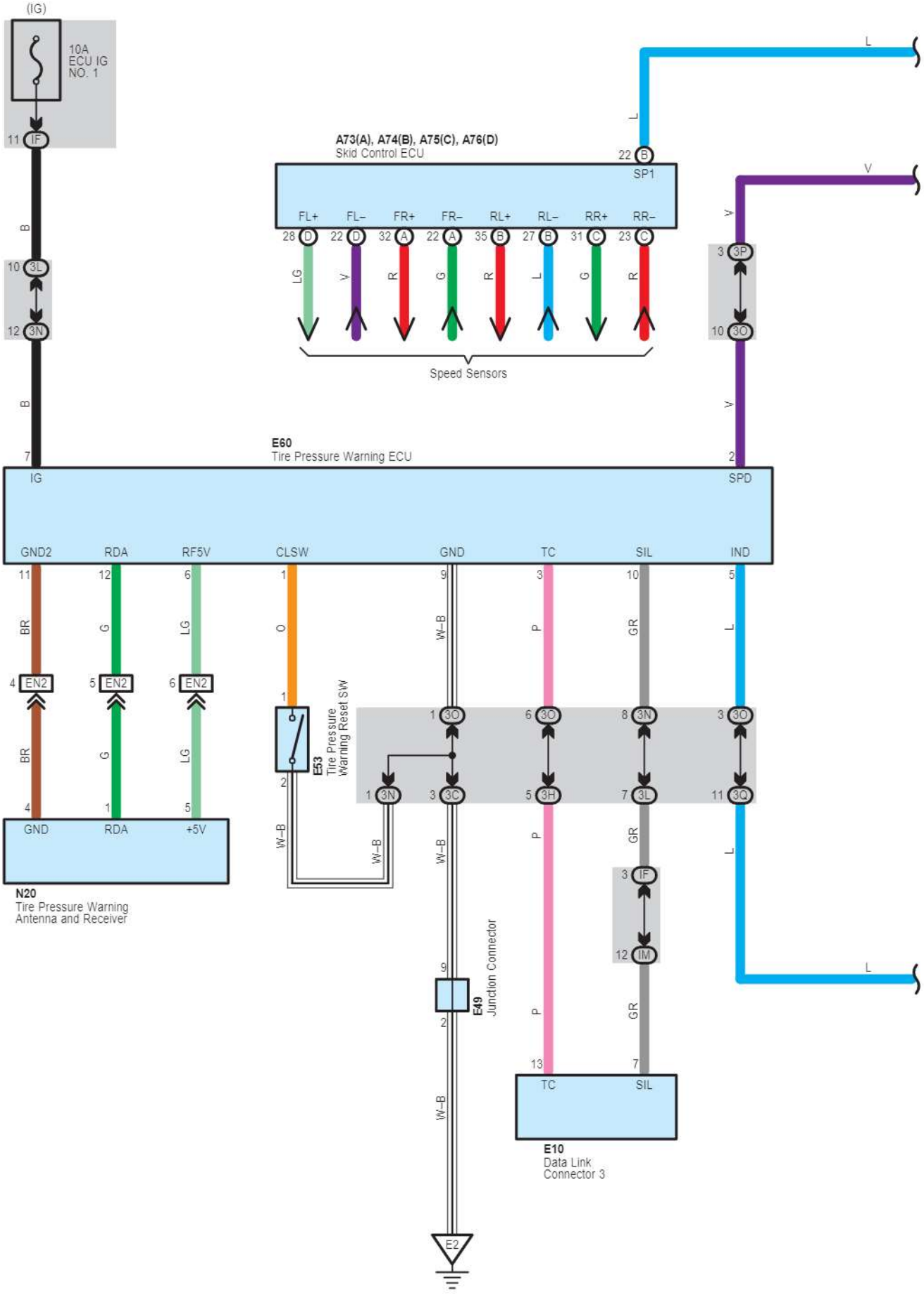
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1H	23	
3D	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3G		
3K		
3L		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	

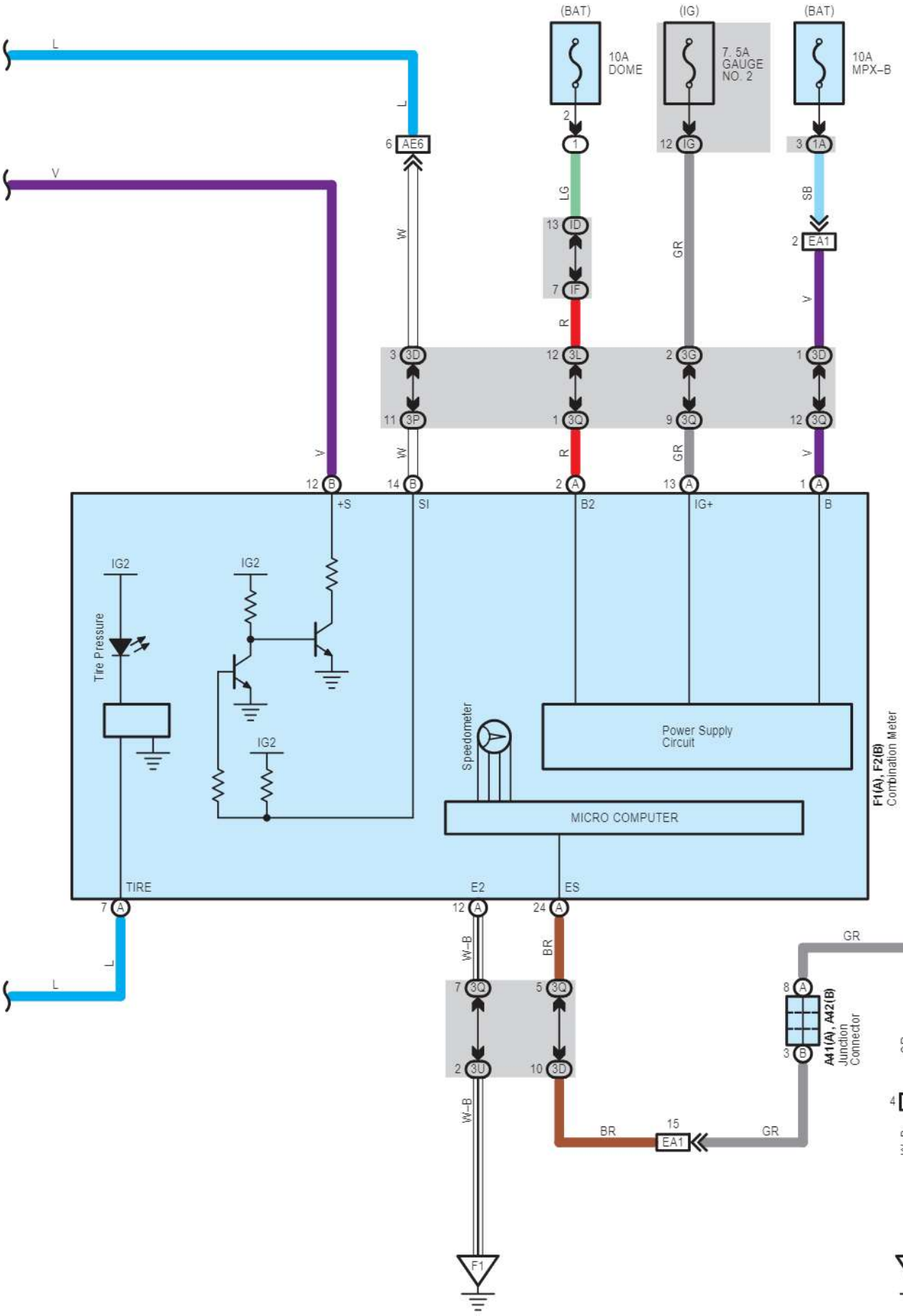
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)

: Ground Points

Code	See Page	Ground Points Location
A9	62	Left Side of the Suspension Tower
C6	62	Cylinder Block
E1	63	Instrument Panel Left
F1		


(IG)
10A
ECU IG
NO. 1
11 IF
B
10 3L
12 3N
B
7
IG
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
22 B
SP1
L
L
V
FL+ FL– FR+ FR– RL+ RL– RR+ RR–
28 D 22 D 32 A 22 A 35 B 27 B 31 C 23 C
LG V R G R L G R
Speed Sensors
V
3 3P
10 3O
V
2
SPD
E60
Tire Pressure Warning ECU
GND2 RDA RF5V CLSW GND TC SIL IND
11 12 6 1 9 3 10 5
BR G LG O W–B P GR L
4 EN2 5 EN2 6 EN2
BR G LG
4 1 5
GND RDA +5V
N20
Tire Pressure Warning
Antenna and Receiver
E53
Tire Pressure
Warning Reset SW
2 1
W–B W–B
1 3O 6 3O 8 3N 3 3O
1 3N 3 3C 5 3H 7 3L 11 3Q
W–B W–B P GR L
3 IF
12 IM
9
E49
Junction Connector
2
W–B
P GR
13 7
TC SIL
E10
Data Link
Connector 3
L
E2


(BAT)
(IG)
(BAT)
10A
DOME
7. 5A
GAUGE
NO. 2
10A
MPX–B
L
V
AE6
EA1
CA3
3D
3P
3L
3Q
3G
ID
IF
3U
+S
SI
B2
IG+
B
IG2
Tire Pressure
Speedometer
Power Supply
Circuit
MICRO COMPUTER
F1(A), F2(B)
Combination Meter
TIRE
E2
ES
W–B
BR
GR
LG
SB
A41(A), A42(B)
Junction
Connector
F1
C6

Tire Pressure Warning System

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A41	A	55	A76	D	55	F1	A	54
A42	B	55	E10		52	F2	B	54
A73	A	55	E49		53	N20		56
A74	B	55	E53		53			
A75	C	55	E60		53			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3G		
3H		
3L		
3N		
3O		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IM	30	

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)

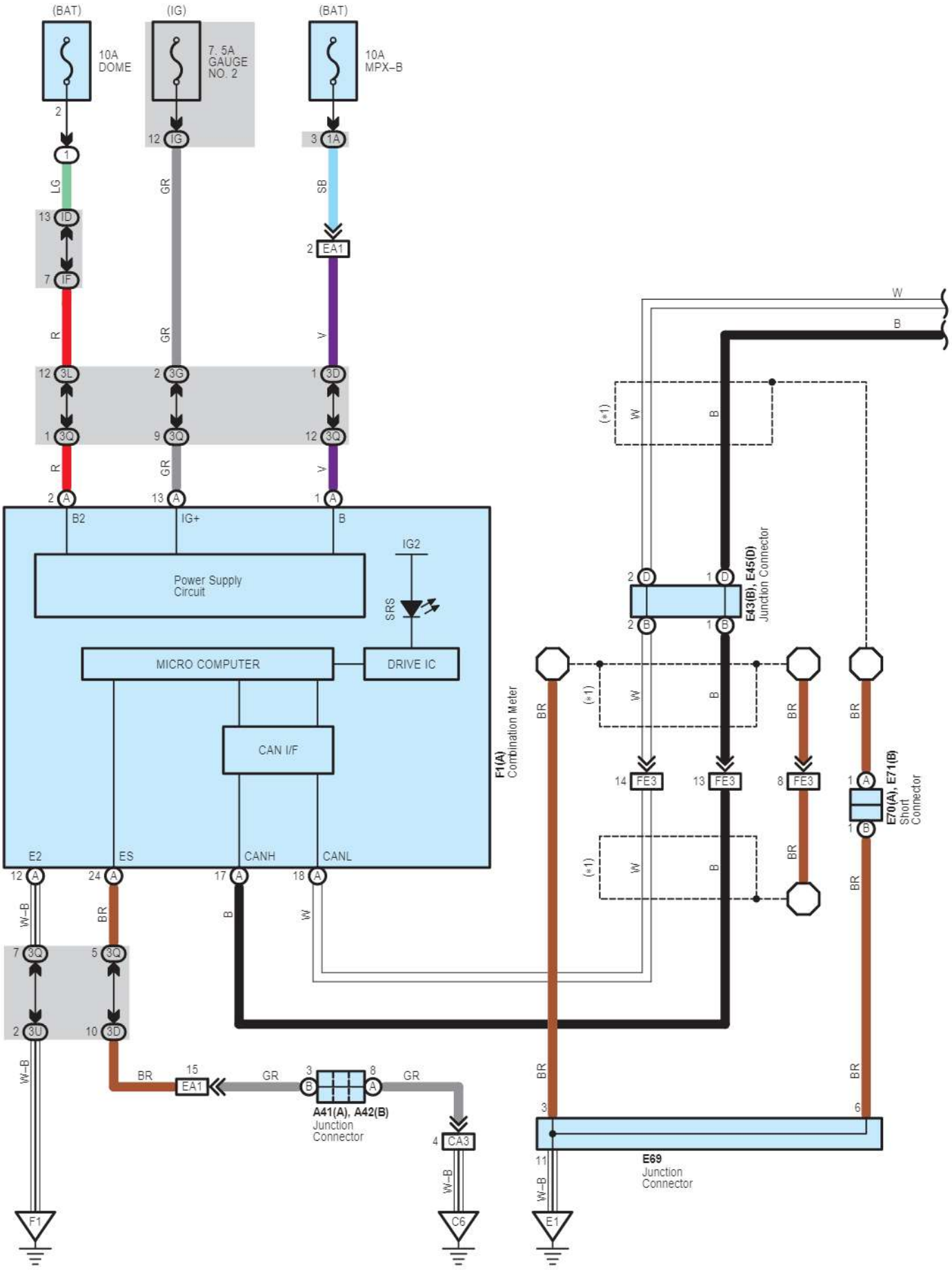
▽ : Ground Points

Code	See Page	Ground Points Location
C6	62	Cylinder Block
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left

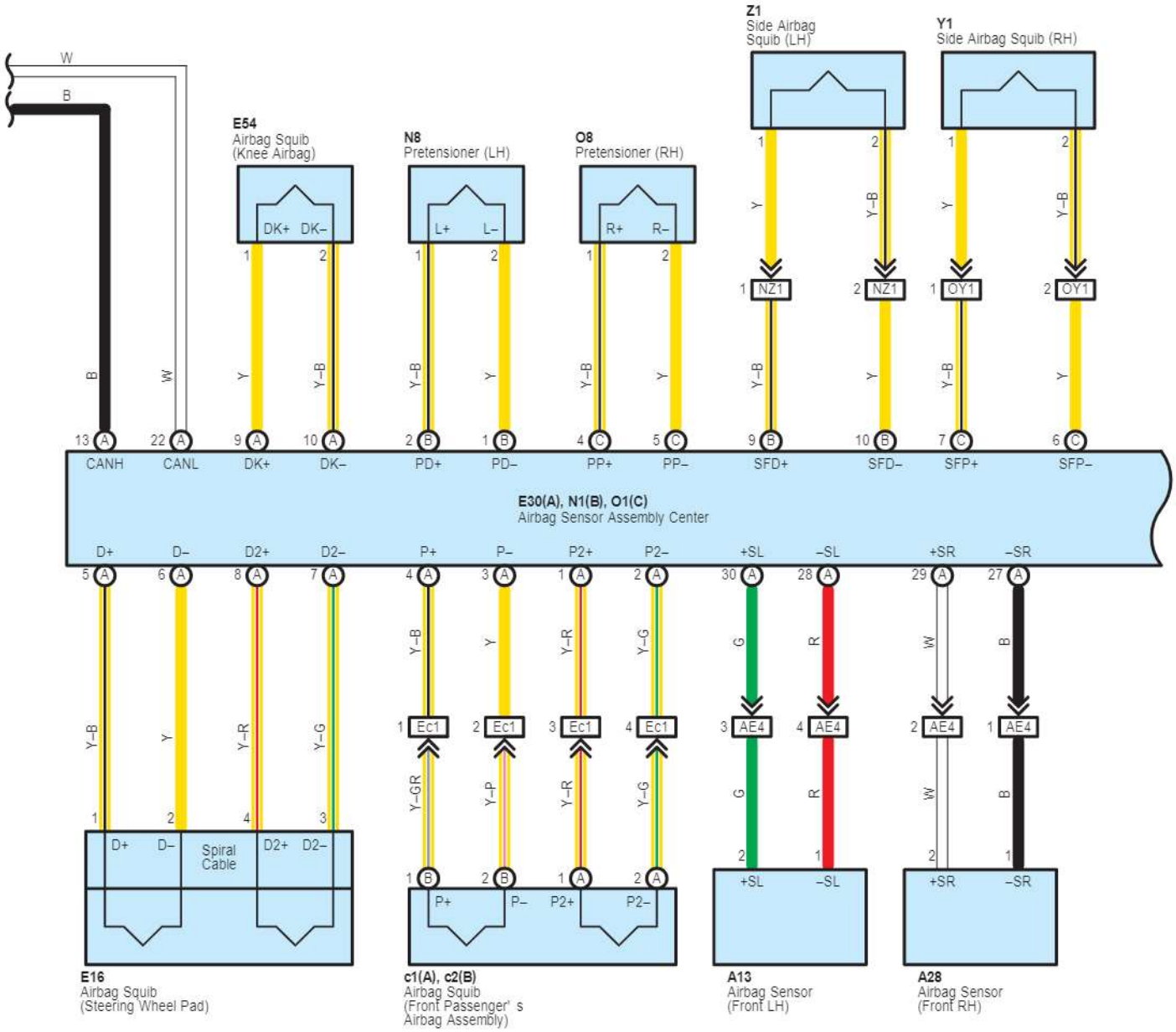
NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

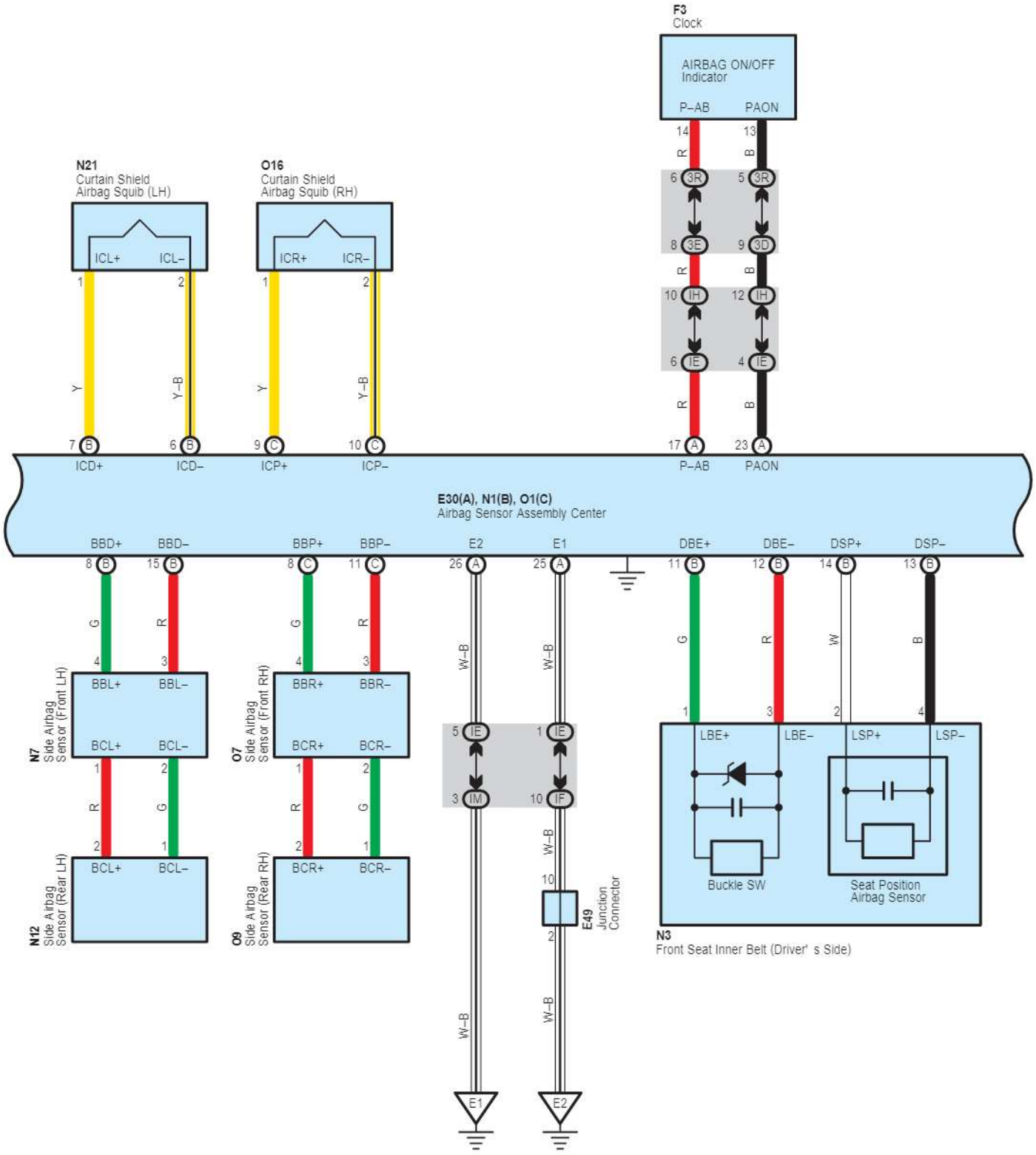
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the power SW is pushed to the "OFF" position and the negative (–) terminal cable is disconnected from the battery.**
  (The SRS is equipped with a back–up power source so that if work is started within 90 seconds from disconnecting the negative (–) terminal cable of the battery, the SRS may deploy.)
- When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be cleared. So before starting work, make a record of the contents in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. Some vehicles have power tilt steering, power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of these memory contents. So when the work is finished, it will be necessary to explain it to your customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each system, never use a back–up power supply from outside the vehicle.
- Before repair, remove the airbag sensor if shocks are likely to be applied to the sensor during repair.
- Do not expose the following parts directly to hot air or flame;
- Even in cases of a minor collision where the SRS does not deploy, the following parts should be inspected;
- Never use SRS parts from another vehicle. When replacing parts, replace with new parts.
- For the purpose of reuse, never disassemble and repair the following parts.
- If the following parts have been dropped, or have cracks, dents and other defects in their case, bracket, and connector, replace with new one.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting electrical circuits of the system.
- Information labels are attached to the periphery of the SRS components. Follow the instructions of the notice.
- After work on the SRS is completed, check the SRS warning light.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

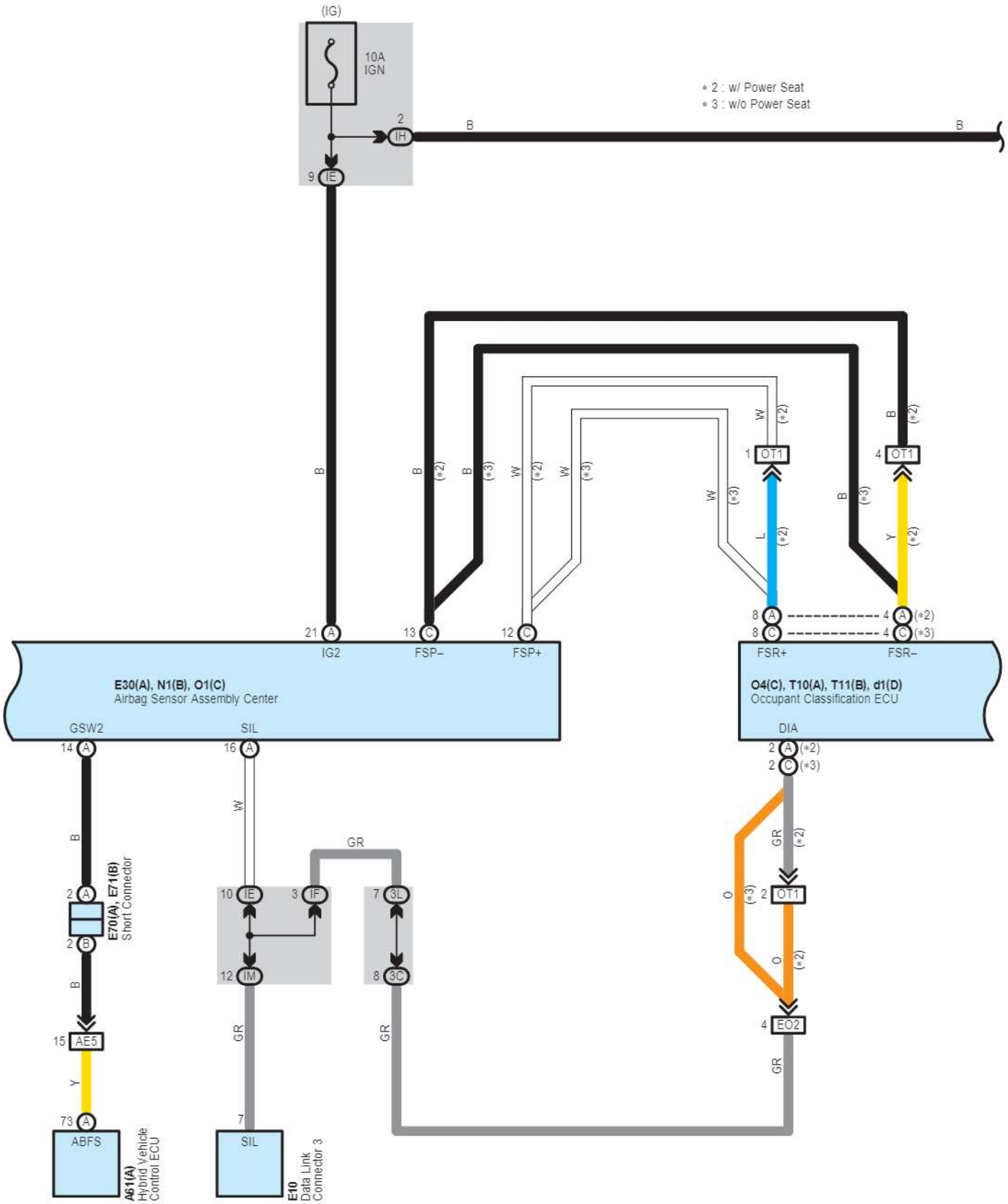
* Steering wheel pad
* Front passenger airbag assembly
* Side airbag assembly
* Curtain shield airbag assembly
* Knee airbag assembly
* Seat belt pretensioner
* Center airbag sensor assembly
* Front airbag sensor assembly
* Side airbag sensor assembly
* Rear airbag sensor assembly

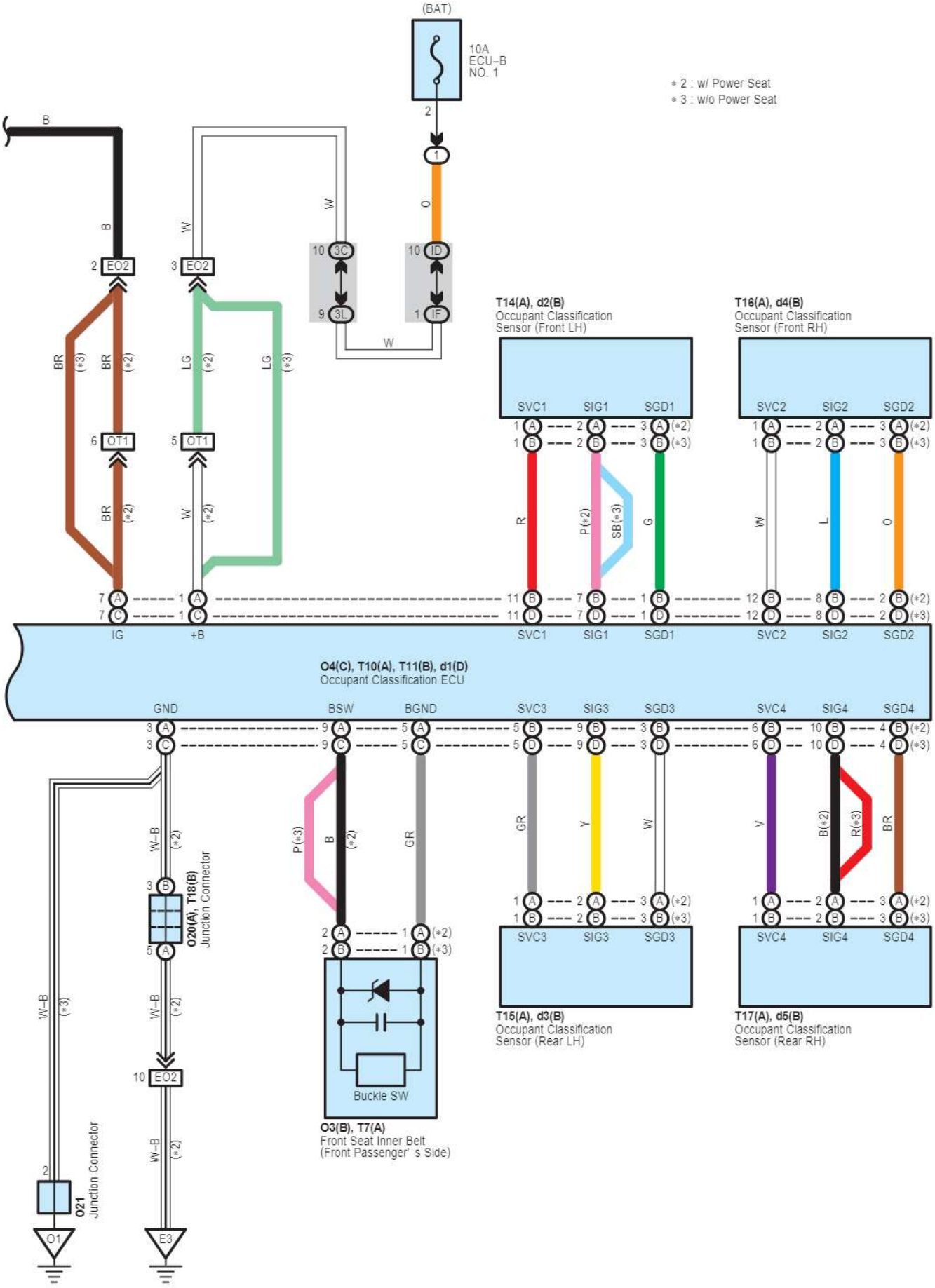

(BAT)
10A
DOME
(IG)
7.5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
Power Supply
Circuit
IG2
SRS
MICRO COMPUTER
DRIVE IC
CAN I/F
B2
IG+
B
E2
ES
CANH
CANL
F1(A)
Combination Meter
E43(B), E45(D)
Junction Connector
E70(A), E71(B)
Short
Connector
A41(A), A42(B)
Junction
Connector
E69
Junction
Connector
F1
C6
E1

* 1 : Shielded


W
B
E54
Airbag Squib
(Knee Airbag)
DK+ DK–
N8
Pretensioner (LH)
L+ L–
O8
Pretensioner (RH)
R+ R–
Z1
Side Airbag
Squib (LH)
Y1
Side Airbag Squib (RH)
NZ1
OY1
13 A CANH
22 A CANL
9 A DK+
10 A DK–
2 B PD+
1 B PD–
4 C PP+
5 C PP–
9 B SFD+
10 B SFD–
7 C SFP+
6 C SFP–
E30(A), N1(B), O1(C)
Airbag Sensor Assembly Center
D+ D– D2+ D2–
P+ P– P2+ P2–
+SL –SL +SR –SR
Ec1
AE4
Spiral
Cable
E16
Airbag Squib
(Steering Wheel Pad)
c1(A), c2(B)
Airbag Squib
(Front Passenger' s
Airbag Assembly)
A13
Airbag Sensor
(Front LH)
A28
Airbag Sensor
(Front RH)


F3
Clock
AIRBAG ON/OFF
Indicator
P–AB
PAON
N21
Curtain Shield
Airbag Squib (LH)
ICL+
ICL–
O16
Curtain Shield
Airbag Squib (RH)
ICR+
ICR–
ICD+
ICD–
ICP+
ICP–
E30(A), N1(B), O1(C)
Airbag Sensor Assembly Center
BBD+
BBD–
BBP+
BBP–
E2
E1
DBE+
DBE–
DSP+
DSP–
N7
Side Airbag
Sensor (Front LH)
BBL+
BBL–
BCL+
BCL–
N12
Side Airbag
Sensor (Rear LH)
O7
Side Airbag
Sensor (Front RH)
BBR+
BBR–
BCR+
BCR–
O9
Side Airbag
Sensor (Rear RH)
E49
Junction
Connector
N3
Front Seat Inner Belt (Driver' s Side)
LBE+
LBE–
LSP+
LSP–
Buckle SW
Seat Position
Airbag Sensor


(IG)
10A
IGN
2
IH
9
IE
* 2 : w/ Power Seat
* 3 : w/o Power Seat
B
B
B
B (*2)
B (*3)
W (*2)
W (*3)
W (*3)
W (*2)
B (*2)
B (*3)
L (*2)
Y (*2)
1 OT1
4 OT1
21 A
IG2
13 C
FSP–
12 C
FSP+
8 A
8 C
4 A (*2)
4 C (*3)
FSR+
FSR–
E30(A), N1(B), O1(C)
Airbag Sensor Assembly Center
O4(C), T10(A), T11(B), d1(D)
Occupant Classification ECU
GSW2
SIL
DIA
14 A
16 A
2 A (*2)
2 C (*3)
B
W
GR
GR (*2)
O (*3)
O (*2)
2 A
E70(A), E71(B)
Short Connector
2 B
10 IE
3 IF
7 3L
12 IM
8 3C
2 OT1
4 EO2
B
15 AE5
Y
73 A
ABFS
A61(A)
Hybrid Vehicle
Control ECU
GR
7
SIL
E10
Data Link
Connector 3
GR
GR


(BAT)
10A
ECU-B
NO. 1
* 2 : w/ Power Seat
* 3 : w/o Power Seat
T14(A), d2(B)
Occupant Classification
Sensor (Front LH)
T16(A), d4(B)
Occupant Classification
Sensor (Front RH)
SVC1
SIG1
SGD1
SVC2
SIG2
SGD2
O4(C), T10(A), T11(B), d1(D)
Occupant Classification ECU
GND
BSW
BGND
SVC3
SIG3
SGD3
SVC4
SIG4
SGD4
T15(A), d3(B)
Occupant Classification
Sensor (Rear LH)
T17(A), d5(B)
Occupant Classification
Sensor (Rear RH)
O20(A), T18(B)
Junction Connector
O21
Junction Connector
Buckle SW
O3(B), T7(A)
Front Seat Inner Belt
(Front Passenger' s Side)
IG
+B
EO2
OT1
3C
3L
ID
IF
O1
E3

System Outline

* The system reaches an ignition judgment to deploy the following device based on the signals received from the front airbag sensor and deceleration sensor.
  – Driver Airbag
  – Front Passenger Airbag
  – Knee Airbag
  – Seat Belt Pretensioner
* The system reaches an ignition judgment to deploy the following device based on the signals received from the side airbag sensors.
  – Side Airbags
  – Curtain Shield Airbags
* The dual–stage SRS airbag system has been used for the driver and front passenger airbags. This system controls the optimal airbag inflation by judging the extent of impact, seat position (driver seat) and whether or not the seat belt is fastened (driver seat) and information from the Front Passenger Occupant Classification System.
* The front passenger occupant classification system judges whether the front passenger seat is occupied by an adult or child (with child seat) or is unoccupied, according to the load applied to the front passenger seat and whether the seat belt is buckled. Based on the results, it restricts the deployment of the front passenger airbag, front passenger side airbag, and front passenger seat belt pretensioner. In addition, the system informs the driver of the result of the judgment through the use of the AIRBAG ON/OFF indicator lights.
* The airbag sensor assembly transmits a signal to the Hybrid Vehicle Control ECU in order to control hybrid high voltage cut off.

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13		50	N3		60 (*1)	T14	A	60 (*1)
A28		50			61 (*2)	T15	A	60 (*1)
A41	A	55	N7		56	T16	A	60 (*1)
A42	B	55	N8		56	T17	A	60 (*1)
A61	A	50	N12		56	T18	B	60 (*1)
E10		52	N21		56	Y1		60 (*1)
E16		52	O1	C	55			61 (*2)
E30	A	52	O3	B	61 (*2)	Z1		60 (*1)
E43	B	48, 53	O4	C	61 (*2)			61 (*2)
E45	D	48, 53	O7		56	c1	A	55
E49		53	O8		56	c2	B	55
E54		53	O9		56	d1	D	61 (*2)
E69		53	O16		56	d2	B	61 (*2)
E70	A	53	O20	A	60 (*1)	d3	B	61 (*2)
E71	B	53	O21		56	d4	B	61 (*2)
F1	A	54	T7	A	60 (*1)	d5	B	61 (*2)
F3		54	T10	A	60 (*1)			
N1	B	55	T11	B	60 (*1)			

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

* 1 : w/ Power Seat * 2 : w/o Power Seat

: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3E		
3G		
3L		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3R		
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IE	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IF		
IG	31	
IH		
IM	30	

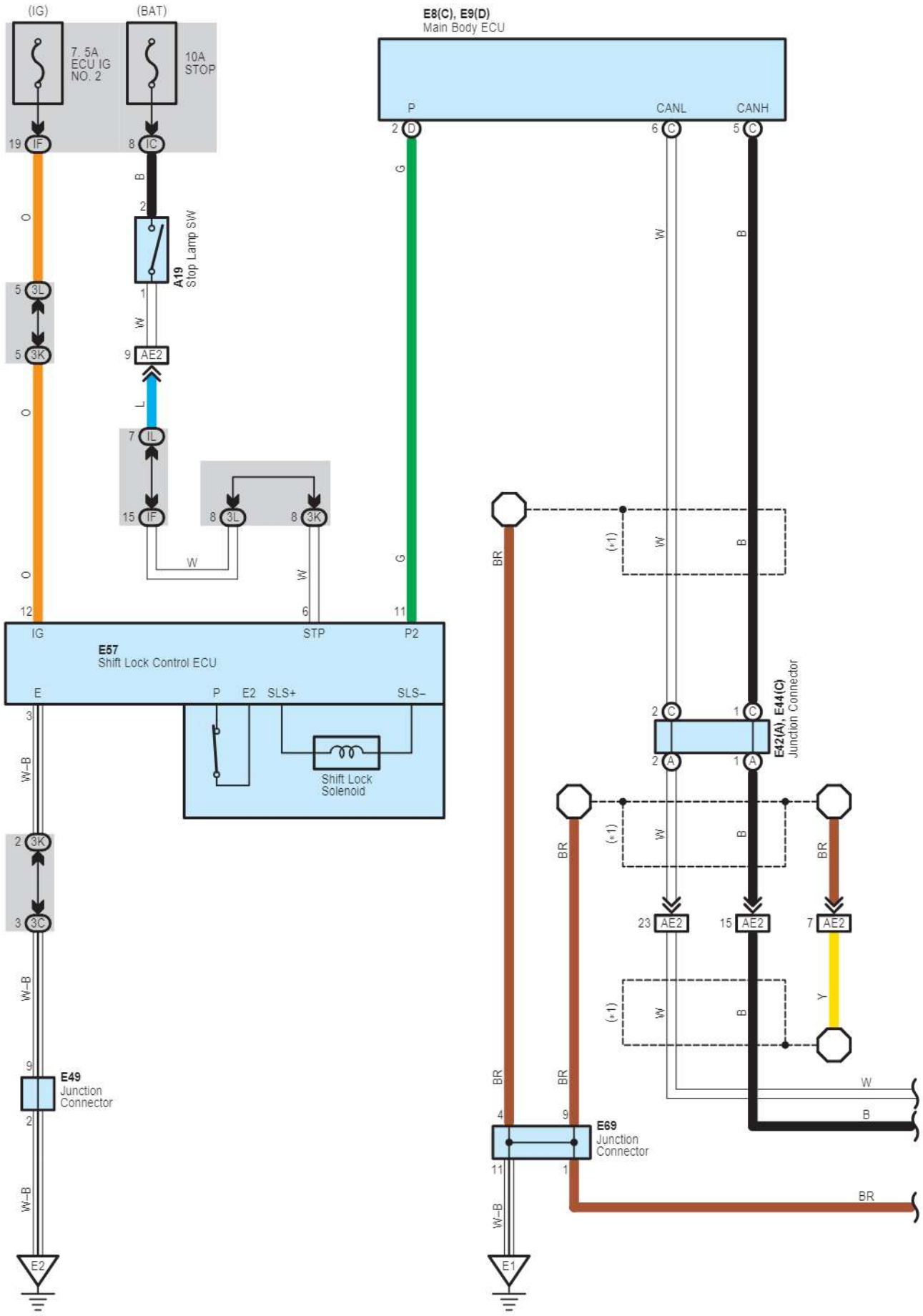
: **Connector Joining Wire Harness and Wire Harness**

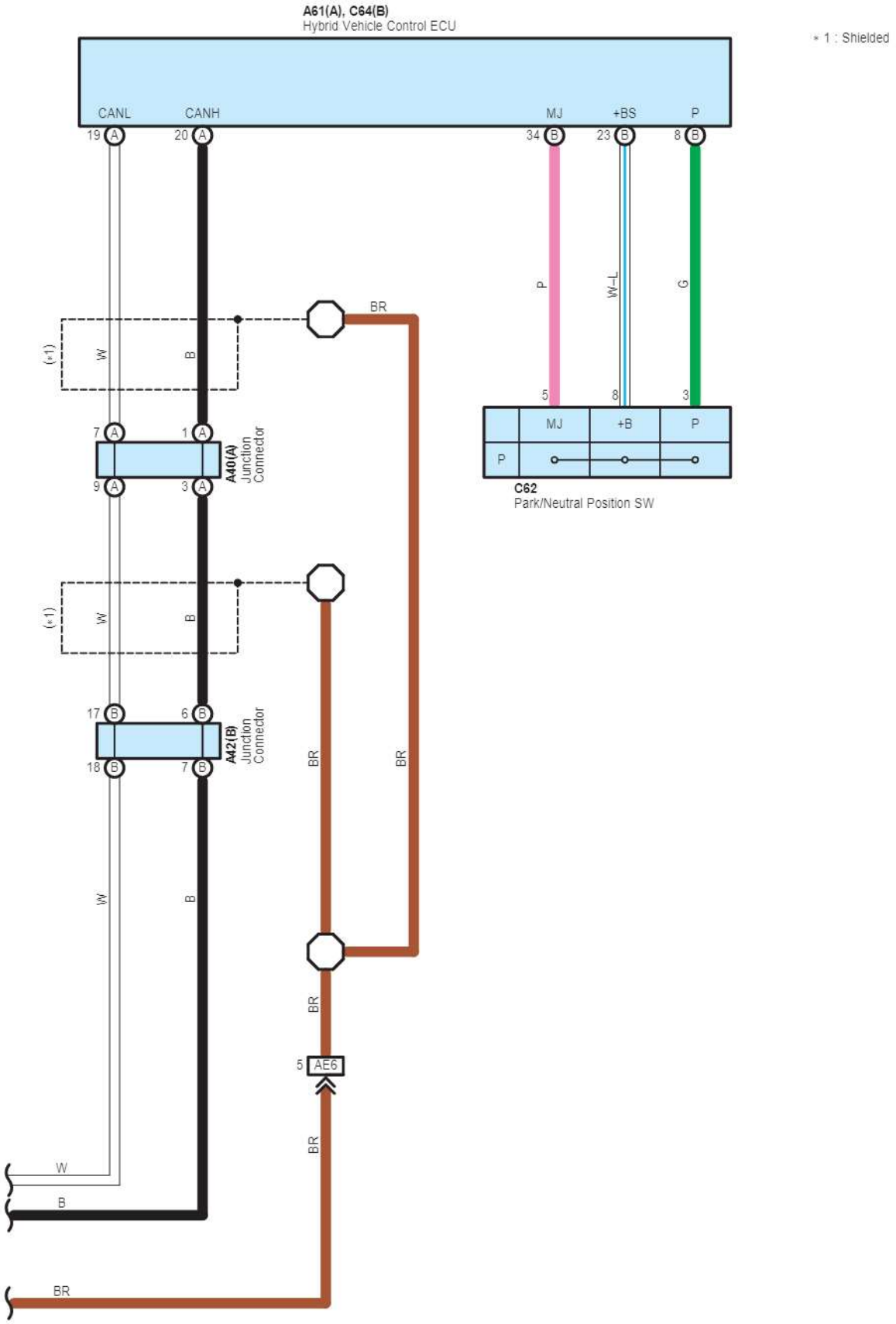
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE4	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
AE5		
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
Ec1	63	Instrument Panel Wire and Instrument Panel Wire Assembly (Behind The Glove Box)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
NZ1	66 (*1)	Floor Wire and Front Seat Airbag Assembly LH (Under the Driver's Seat)
	67 (*2)	
OT1	66 (*1)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)
OY1	66 (*1)	Floor No.2 Wire and Front Seat Airbag Assembly RH (Under the Front Passenger's Seat)
	67 (*2)	

: **Ground Points**

Code	See Page	Ground Points Location
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
E3	63	Instrument Panel Right
F1	63	Instrument Panel Left
O1	64	Right Rear Quarter Panel

* 1 : w/ Power Seat * 2 : w/o Power Seat


(IG)
(BAT)
7.5A ECU IG NO. 2
10A STOP
19 IF
8 IC
A19 Stop Lamp SW
5 3L
5 3K
9 AE2
7 IL
15 IF
8 3L
8 3K
12 IG
6 STP
11 P2
E57 Shift Lock Control ECU
E P E2 SLS+ SLS–
Shift Lock Solenoid
2 3K
3 3C
E49 Junction Connector
E2
E8(C), E9(D) Main Body ECU
P CANL CANH
2 D
6 C
5 C
(*1)
E42(A), E44(C) Junction Connector
2 C
1 C
2 A
1 A
23 AE2
15 AE2
7 AE2
E69 Junction Connector
4
9
11
1
E1
W
B
BR
G
L
O
W-B
Y


A61(A), C64(B)
Hybrid Vehicle Control ECU
* 1 : Shielded
CANL
CANH
MJ
+BS
P
19 A
20 A
34 B
23 B
8 B
P
W-L
G
5
8
3
MJ
+B
P
P
C62
Park/Neutral Position SW
BR
(*1)
W
B
7 A
1 A
9 A
3 A
A40(A)
Junction Connector
17 B
6 B
18 B
7 B
A42(B)
Junction Connector
BR
BR
BR
5 AE6
BR
W
B
BR

Shift Lock

System Outline

Shift Lock Mechanism

If the brake pedal is depressed with the power SW is pushed to IG ON position, the shift lock control ECU is activated, allowing the driver to change the shift lever to a position other than the P position.

○ : Parts Location

Code		See Page	Code		See Page	Code	See Page
A19		55	C64	B	51	E49	53
A40	A	55	E8	C	52	E57	53
A42	B	55	E9	D	52	E69	53
A61	A	50	E42	A	48, 53		
C62		51	E44	C	48, 53		

⬭ : Junction Block and Wire Harness Connector

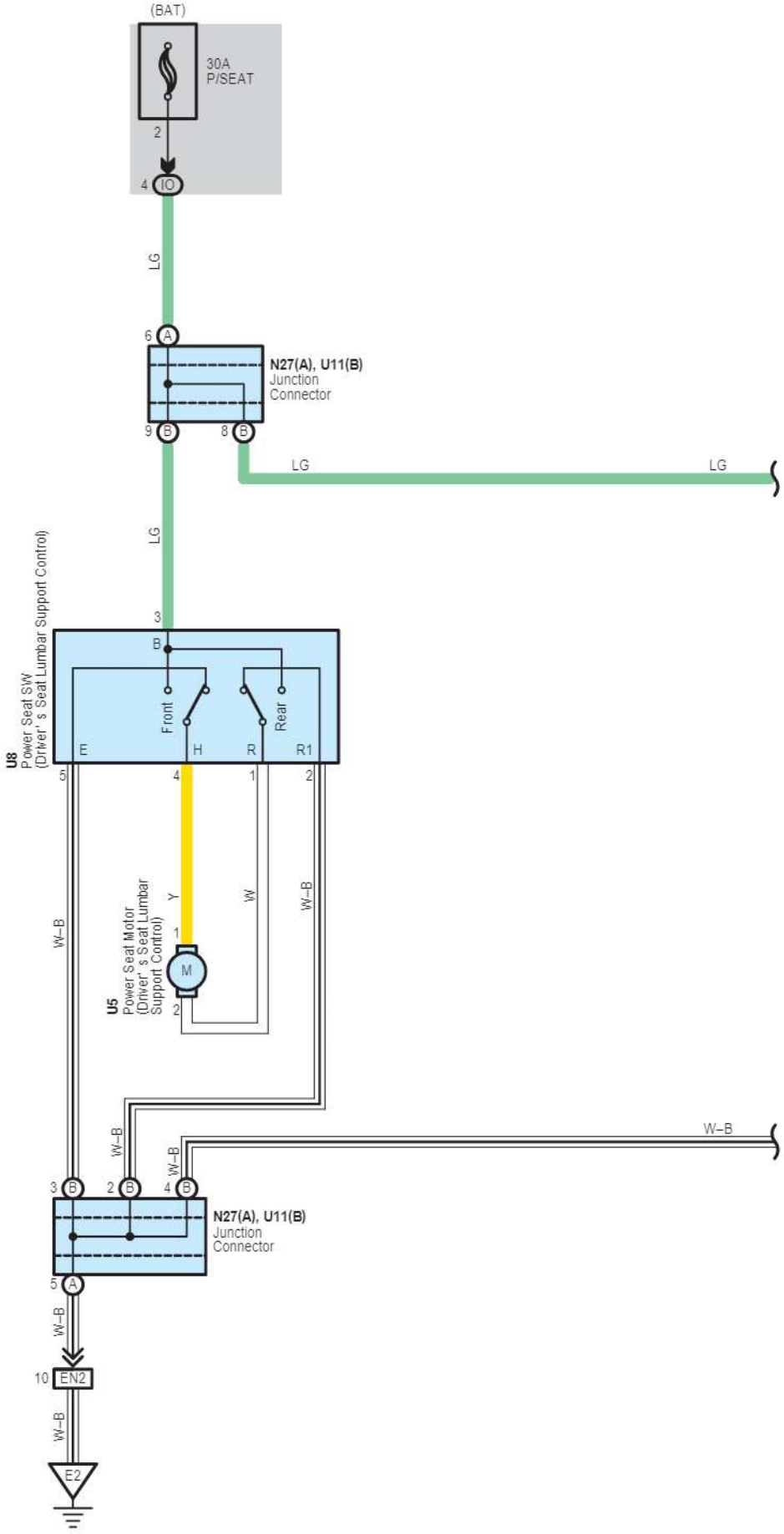
Code	See Page	Junction Block and Wire Harness (Connector Location)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3K		
3L		
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IL		

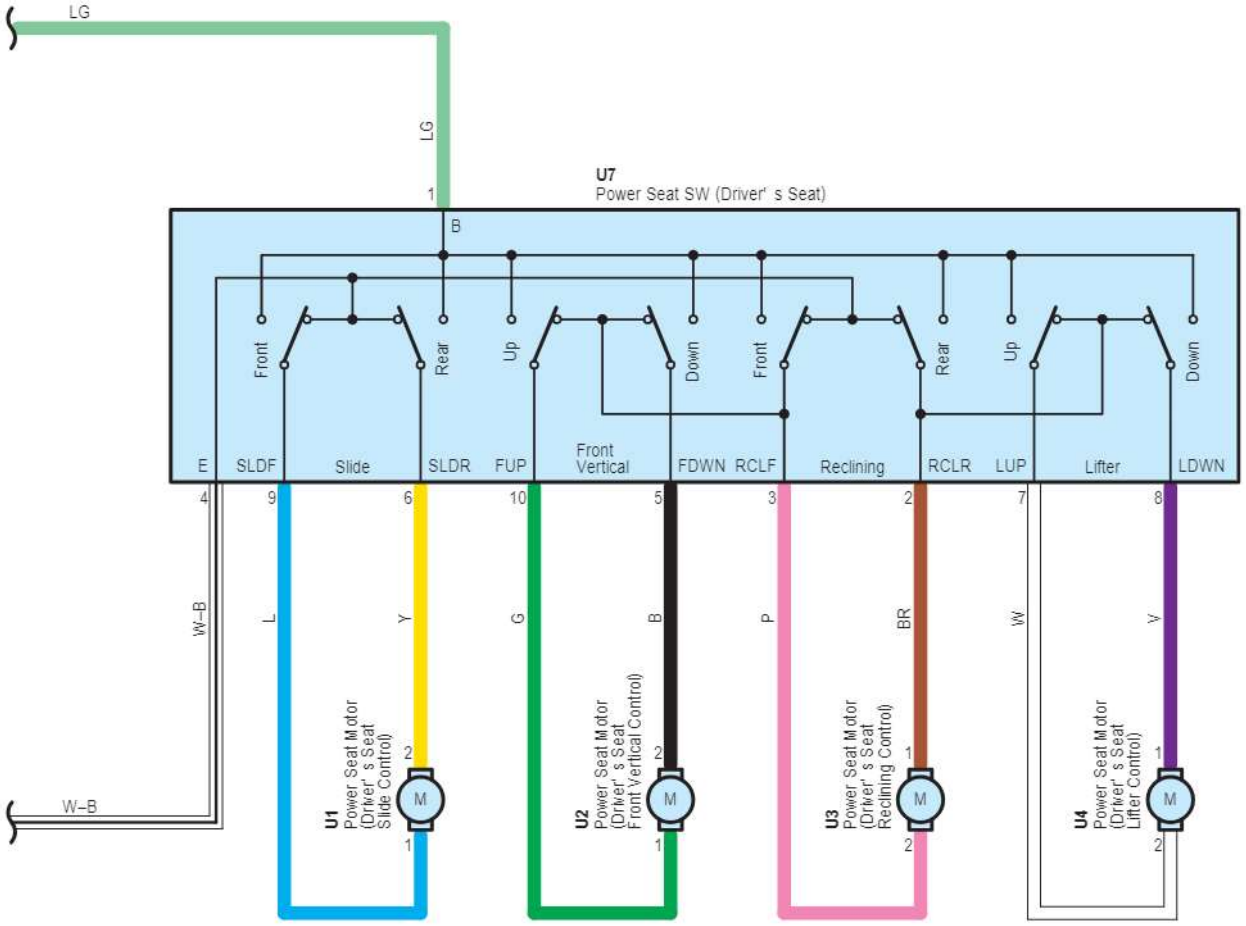
▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)

▽ : Ground Points

Code	See Page	Ground Points Location
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH


(BAT)
30A
P/SEAT
2
4 IO
LG
6 A
N27(A), U11(B)
Junction
Connector
9 B
8 B
LG
LG
LG
3
B
U8
Power Seat SW
(Driver's Seat Lumbar Support Control)
Front
Rear
E
H
R
R1
5
4
1
2
Y
W
W-B
1
M
2
U5
Power Seat Motor
(Driver's Seat Lumbar
Support Control)
W-B
W-B
W-B
3 B
2 B
4 B
N27(A), U11(B)
Junction
Connector
5 A
W-B
10 EN2
W-B
E2


LG
LG
1
U7
Power Seat SW (Driver' s Seat)
B
Front
Rear
Up
Down
Front
Rear
Up
Down
E
SLDF
Slide
SLDR
FUP
Front Vertical
FDWN
RCLF
Reclining
RCLR
LUP
Lifter
LDWN
4
9
6
10
5
3
2
7
8
W-B
L
Y
G
B
P
BR
W
V
W-B
U1
Power Seat Motor (Driver' s Seat Slide Control)
U2
Power Seat Motor (Driver' s Seat Front Vertical Control)
U3
Power Seat Motor (Driver' s Seat Reclining Control)
U4
Power Seat Motor (Driver' s Seat Lifter Control)
M
2
1

Power Seat for Driver's Seat

○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
N27 A	60 (*1)	U3	60 (*1)	U7	60 (*1)
U1	60 (*1)	U4	60 (*1)	U8	60 (*1)
U2	60 (*1)	U5	60 (*1)	U11 B	60 (*1)

: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

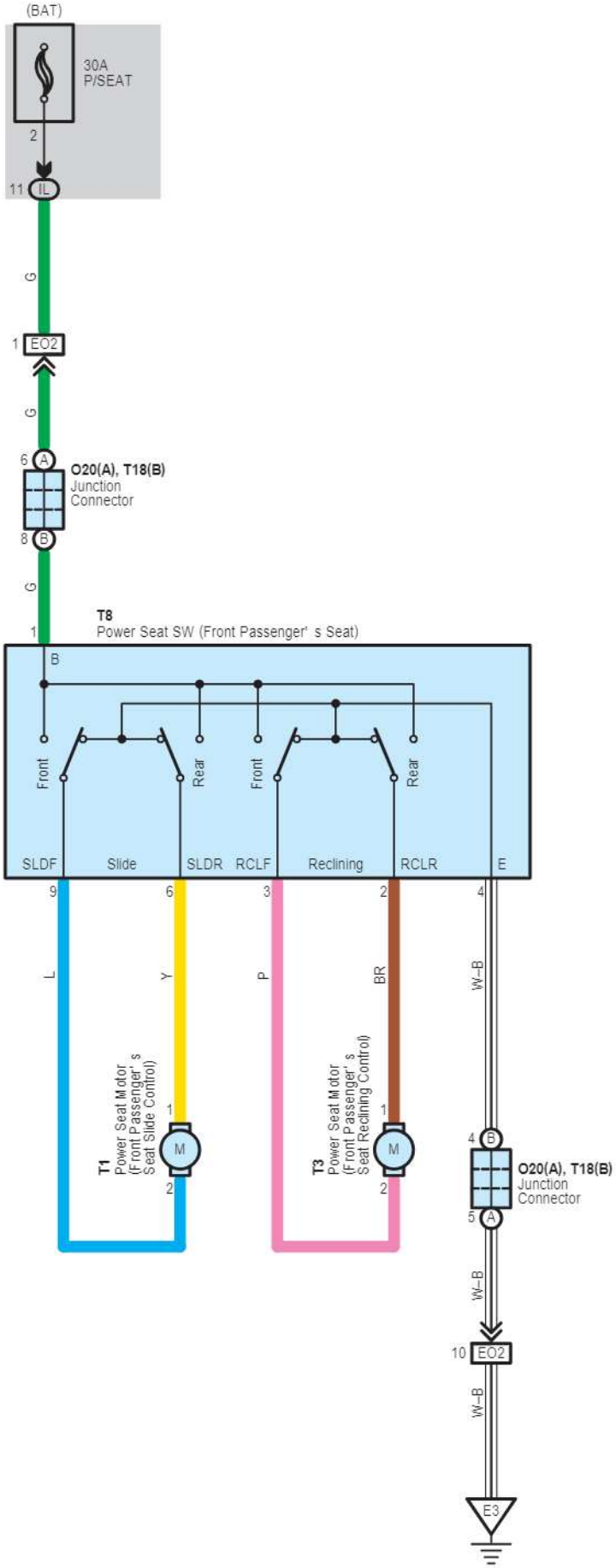
: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)

▽ : **Ground Points**

Code	See Page	Ground Points Location
E2	63	Instrument Panel Brace LH

* 1 : w/ Power Seat * 2 : w/o Power Seat


(BAT)
30A
P/SEAT
2
11 IL
G
1 EO2
G
6 A
O20(A), T18(B)
Junction
Connector
8 B
G
1
T8
Power Seat SW (Front Passenger' s Seat)
B
Front
Rear
Front
Rear
SLDF
Slide
SLDR
RCLF
Reclining
RCLR
E
9
6
3
2
4
L
Y
P
BR
W-B
T1
Power Seat Motor
(Front Passenger' s
Seat Slide Control)
T3
Power Seat Motor
(Front Passenger' s
Seat Reclining Control)
M
M
4 B
O20(A), T18(B)
Junction
Connector
5 A
W-B
10 EO2
W-B
E3

: Parts Location

Code		See Page	Code	See Page	Code		See Page
O20	A	60 (*1)	T3	60 (*1)	T18	B	60 (*1)
T1		60 (*1)	T8	60 (*1)			

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IL	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

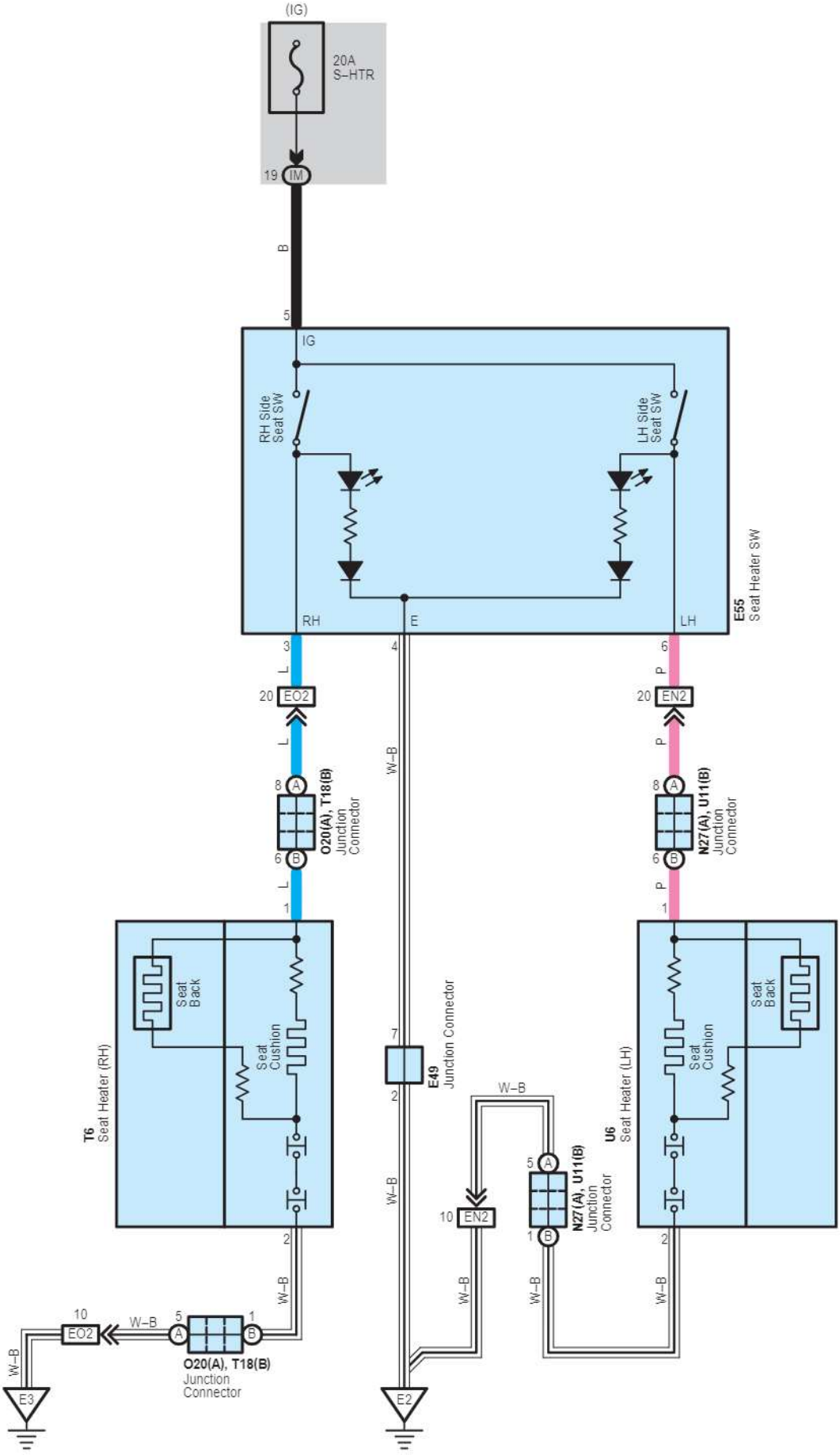
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
E3	63	Instrument Panel Right

* 1 : w/ Power Seat * 2 : w/o Power Seat


(IG)
20A
S-HTR
19
IM
B
5
IG
RH Side
Seat SW
LH Side
Seat SW
RH
E
LH
E55
Seat Heater SW
3
L
20
EO2
L
8
A
6
B
O20(A), T18(B)
Junction
Connector
L
1
4
W-B
6
P
20
EN2
P
8
A
6
B
N27(A), U11(B)
Junction
Connector
P
1
T6
Seat Heater (RH)
Seat
Back
Seat
Cushion
2
W-B
7
E49
Junction Connector
2
W-B
W-B
10
EN2
5
A
1
B
N27(A), U11(B)
Junction
Connector
U6
Seat Heater (LH)
Seat
Back
Seat
Cushion
2
W-B
10
EO2
W-B
5
A
1
B
O20(A), T18(B)
Junction
Connector
W-B
E3
E2

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
E49	53	O20 A	60 (*1)	U6	60 (*1)
E55	53	T6	60 (*1)	U11 B	60 (*1)
N27 A	60 (*1)	T18 B	60 (*1)		

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IM	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

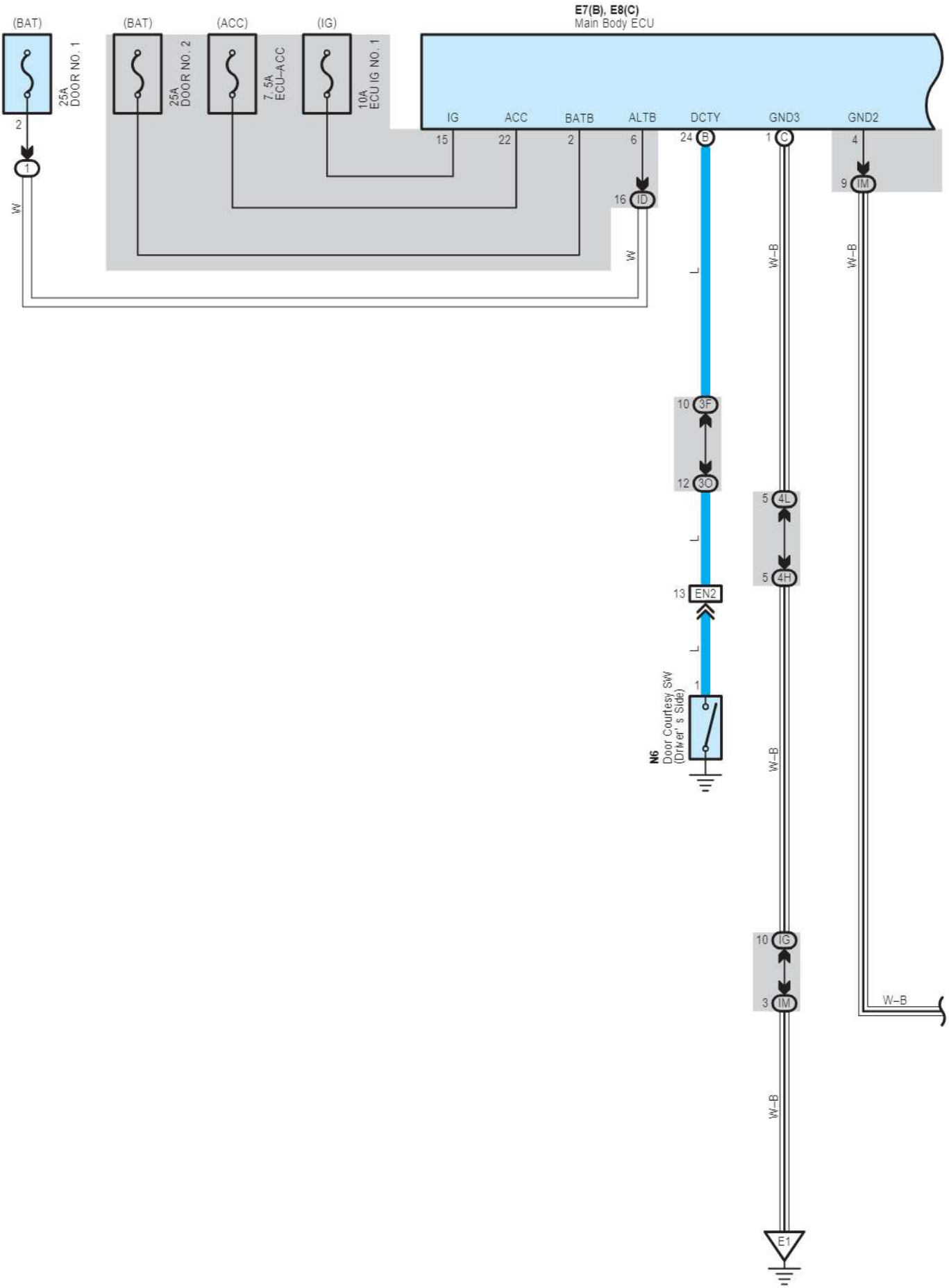
▭ : Connector Joining Wire Harness and Wire Harness

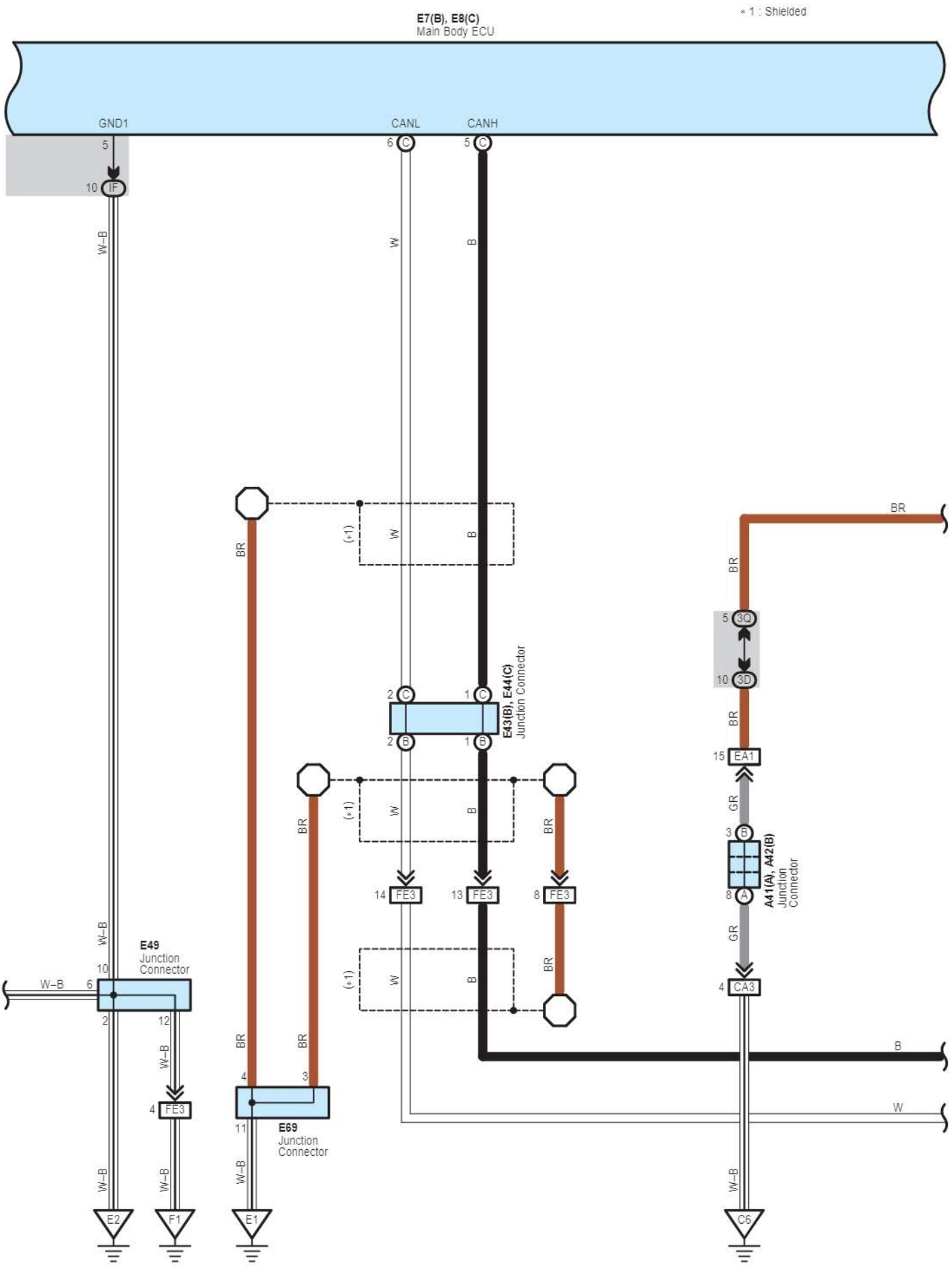
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

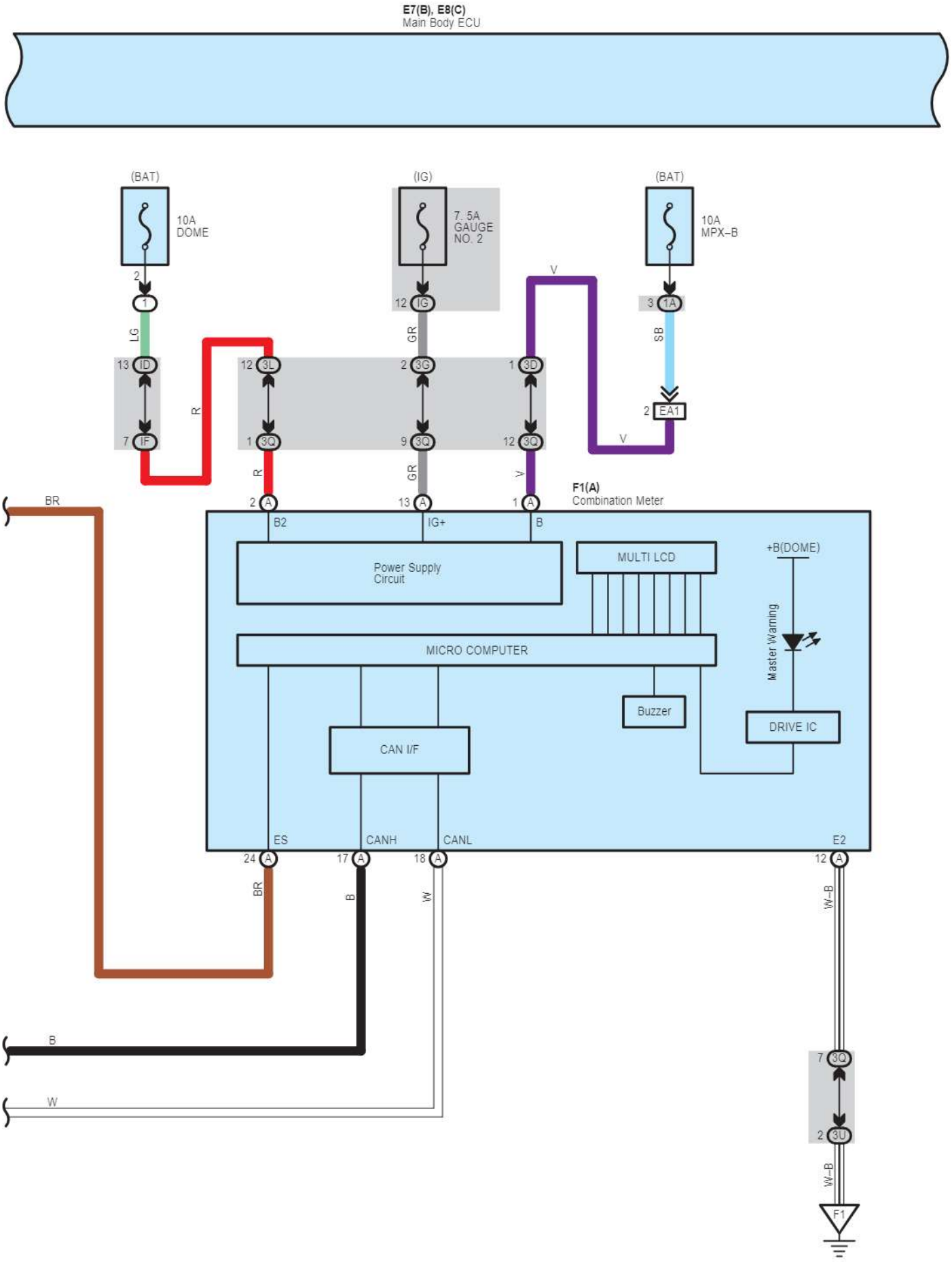
▽ : Ground Points

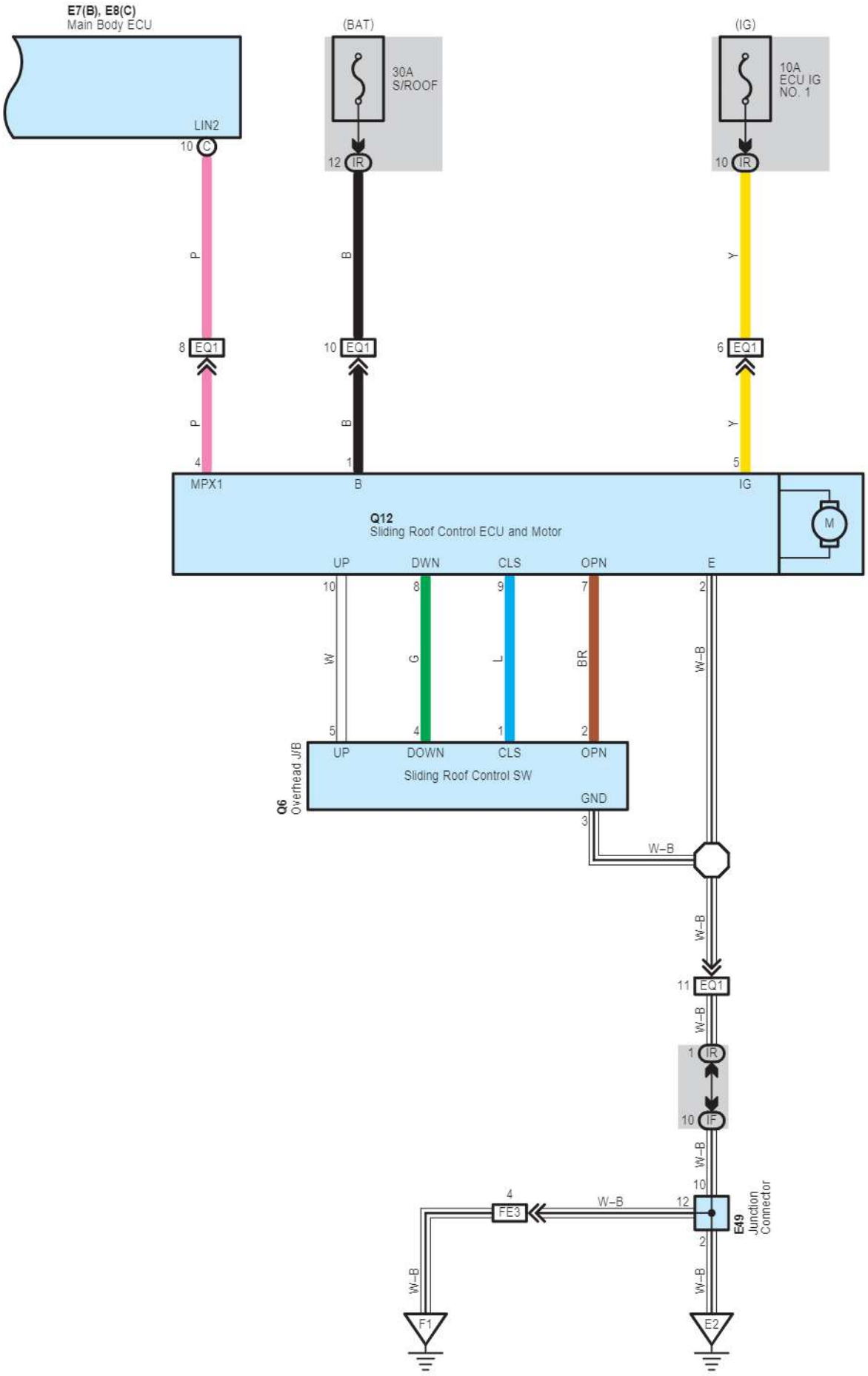
Code	See Page	Ground Points Location
E2	63	Instrument Panel Brace LH
E3	63	Instrument Panel Right

* 1 : w/ Power Seat * 2 : w/o Power Seat


(BAT)
(BAT)
(ACC)
(IG)
25A DOOR NO. 1
25A DOOR NO. 2
7.5A ECU-ACC
10A ECU IG NO. 1
E7(B), E8(C)
Main Body ECU
IG
ACC
BATB
ALTB
DCTY
GND3
GND2
15
22
2
6
24 B
1 C
4
9 IM
16 ID
2
1
W
W
L
W-B
W-B
10 3F
12 3O
L
5 4L
5 4H
13 EN2
L
1
N6
Door Courtesy SW (Driver's Side)
10 IG
3 IM
W-B
W-B
E1


E7(B), E8(C)
Main Body ECU
* 1 : Shielded
GND1
CANL
CANH
5
10 IF
6 C
5 C
W-B
W
B
(*1)
BR
2 C
1 C
2 B
1 B
E43(B), E44(C)
Junction Connector
14 FE3
13 FE3
8 FE3
5 3Q
10 3D
15 EA1
GR
3 B
8 A
A41(A), A42(B)
Junction Connector
4 CA3
E49
Junction Connector
10
W-B
6
2
12
4 FE3
4
3
11
E69
Junction Connector
E2
F1
E1
C6


E7(B), E8(C)
Main Body ECU
(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
LG
GR
SB
V
R
BR
B
W
F1(A)
Combination Meter
B2
IG+
B
Power Supply
Circuit
MULTI LCD
+B(DOME)
Master Warning
MICRO COMPUTER
Buzzer
DRIVE IC
CAN I/F
ES
CANH
CANL
E2
W–B
F1


E7(B), E8(C)
Main Body ECU
LIN2
10 C
P
8 EQ1
P
4
MPX1
(BAT)
30A
S/ROOF
12 IR
B
10 EQ1
B
1
B
(IG)
10A
ECU IG
NO. 1
10 IR
Y
6 EQ1
Y
5
IG
Q12
Sliding Roof Control ECU and Motor
M
UP
DWN
CLS
OPN
E
10
W
5
8
G
4
9
L
1
7
BR
2
2
W-B
UP
DOWN
CLS
OPN
Sliding Roof Control SW
GND
Q6
Overhead J/B
3
W-B
W-B
11 EQ1
W-B
1 IR
10 IF
W-B
10
12
E49
Junction
Connector
4
FE3
W-B
2
W-B
W-B
F1
E2

Sliding Roof

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A41	A	55	E43	B	48, 53	F1	A	54
A42	B	55	E44	C	48, 53	N6		56
E7	B	52	E49		53	Q6		57
E8	C	52	E69		53	Q12		57

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

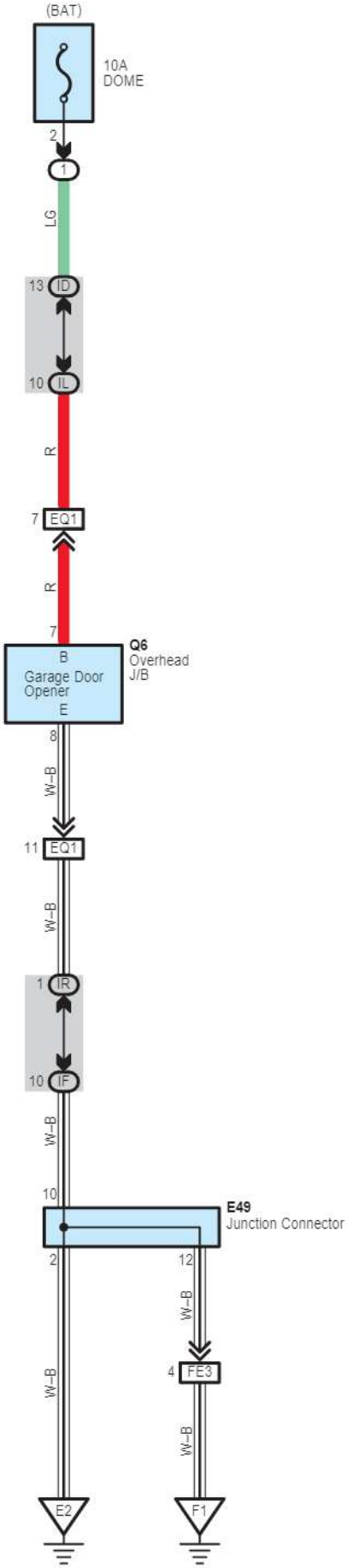
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3D	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3F		
3G		
3L		
3O		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3U		
4H	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4L		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IM	30	
IR		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EQ1	63	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)

: Ground Points

Code	See Page	Ground Points Location
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left


(BAT)
10A
DOME
2
1
LG
13 ID
10 IL
R
7 EQ1
R
7
B
Garage Door
Opener
E
Q6
Overhead
J/B
8
W-B
11 EQ1
W-B
1 IR
10 IF
W-B
10
E49
Junction Connector
2
12
W-B
4 FE3
W-B
W-B
E2
F1

: Parts Location

Code	See Page	Code	See Page	Code	See Page
E49	53	Q6	57		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

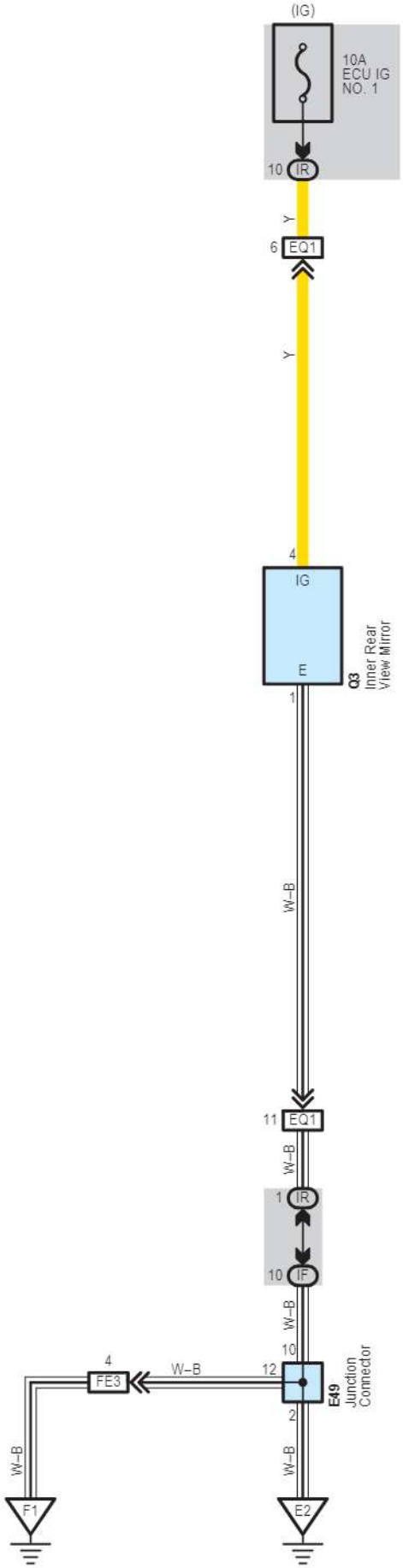
Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IL		
IR		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EQ1	63	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)

: Ground Points

Code	See Page	Ground Points Location
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left


(IG)
10A
ECU IG
NO. 1
10
IR
Y
6
EQ1
Y
4
IG
E
Q3
Inner Rear
View Mirror
1
W–B
11
EQ1
W–B
1
IR
10
IF
W–B
10
12
E49
Junction
Connector
4
FE3
W–B
2
W–B
W–B
F1
E2

: Parts Location

Code	See Page	Code	See Page	Code	See Page
E49	53	Q3	57		

: Junction Block and Wire Harness Connector

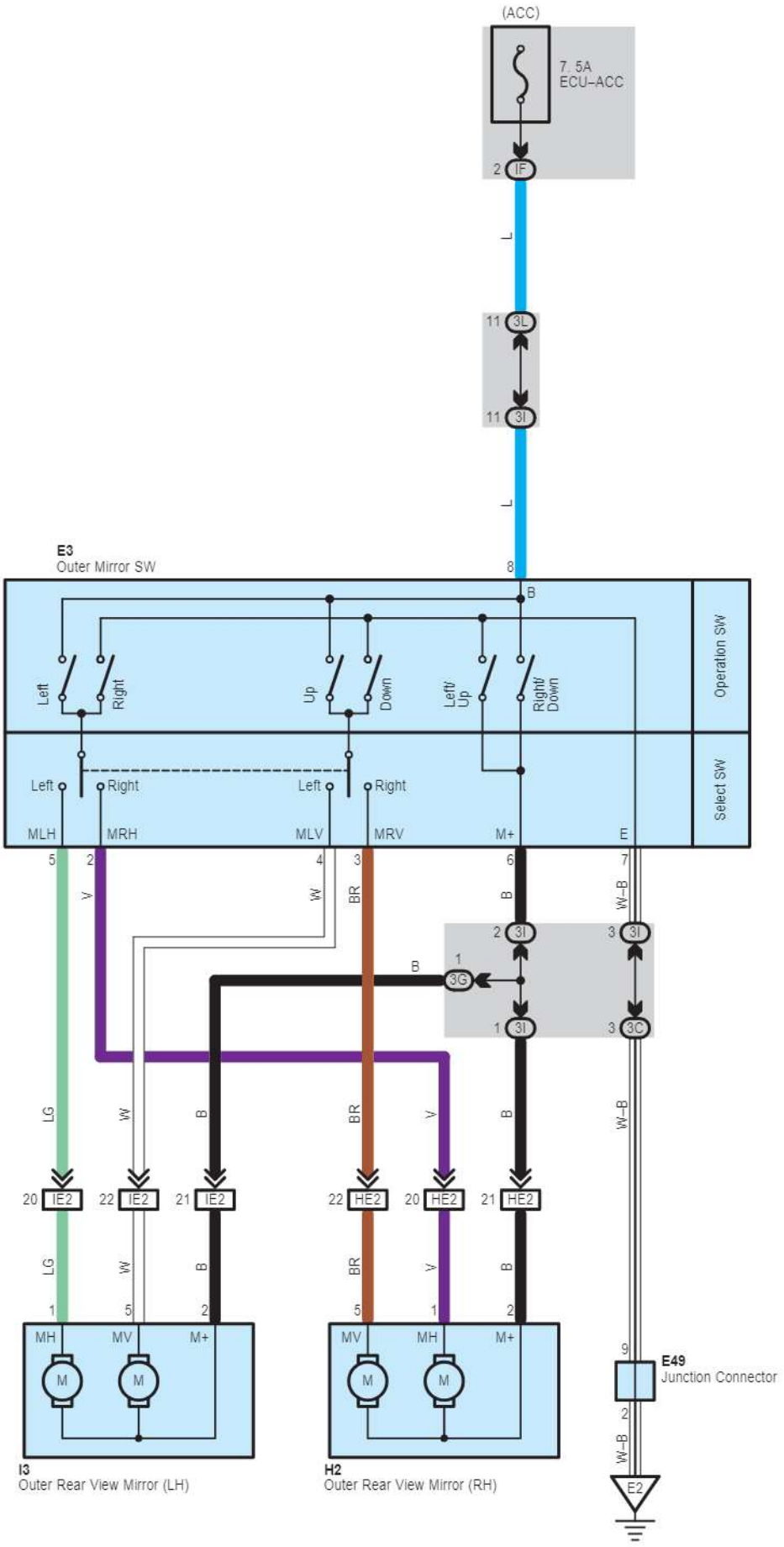
Code	See Page	Junction Block and Wire Harness (Connector Location)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IR		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EQ1	63	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)

: Ground Points

Code	See Page	Ground Points Location
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left


(ACC)
7.5A
ECU-ACC
2 IF
L
11 3L
11 3I
L
E3
Outer Mirror SW
8
B
Left
Right
Up
Down
Left/ Up
Right/ Down
Operation SW
Left
Right
Left
Right
Select SW
MLH
MRH
MLV
MRV
M+
E
5
2
4
3
6
7
V
W
BR
B
W-B
2 3I
3 3I
1 3G
B
1 3I
3 3C
LG
W
B
BR
V
B
W-B
20 IE2
22 IE2
21 IE2
22 HE2
20 HE2
21 HE2
LG
W
B
BR
V
B
1
5
2
5
1
2
MH
MV
M+
MV
MH
M+
M
M
M
M
I3
Outer Rear View Mirror (LH)
H2
Outer Rear View Mirror (RH)
9
E49
Junction Connector
2
W-B
E2

○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
E3	52	H2	57		
E49	53	I3	57		

: **Junction Block and Wire Harness Connector**

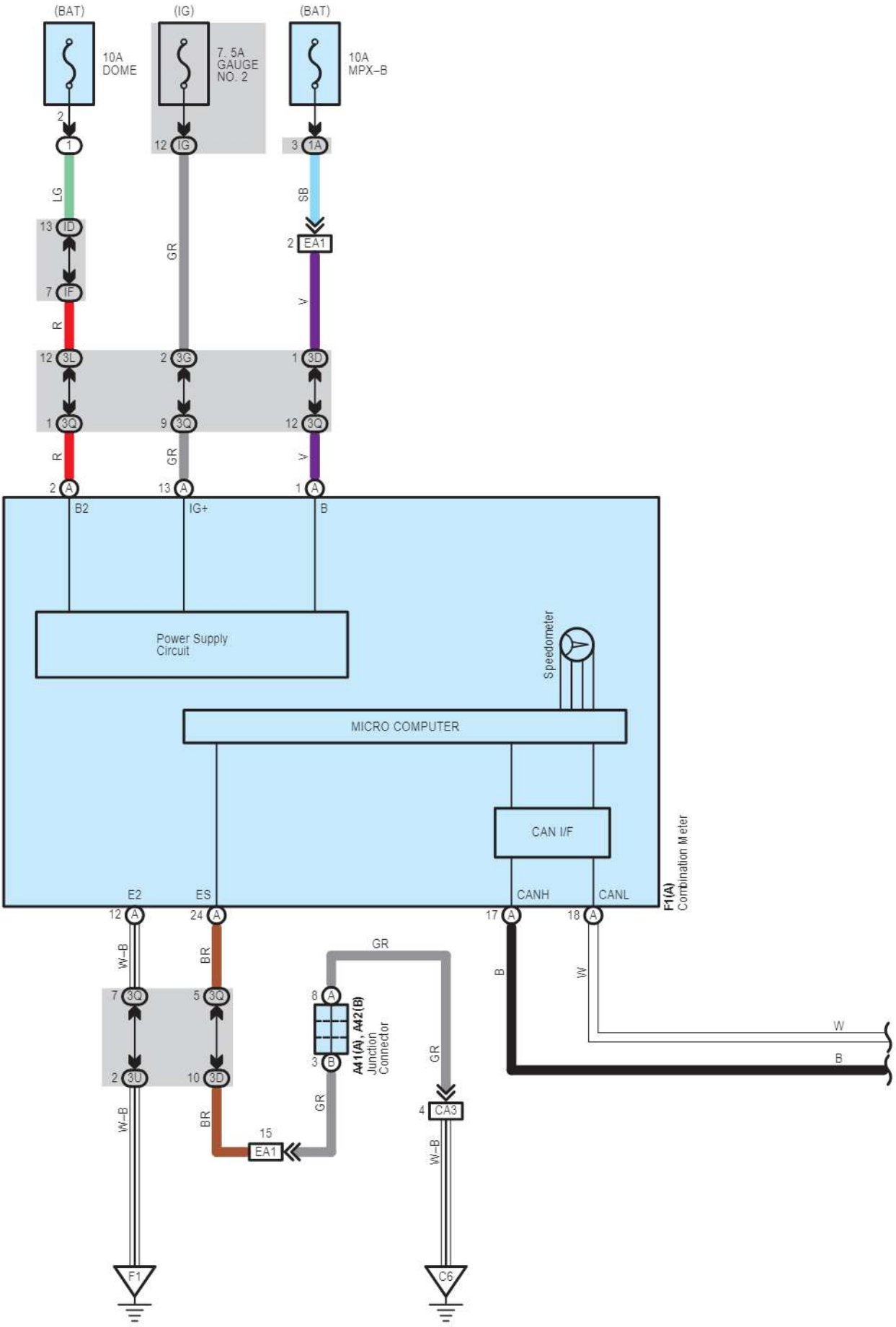
Code	See Page	Junction Block and Wire Harness (Connector Location)
3C	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3G		
3I		
3L		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)

: **Connector Joining Wire Harness and Wire Harness**

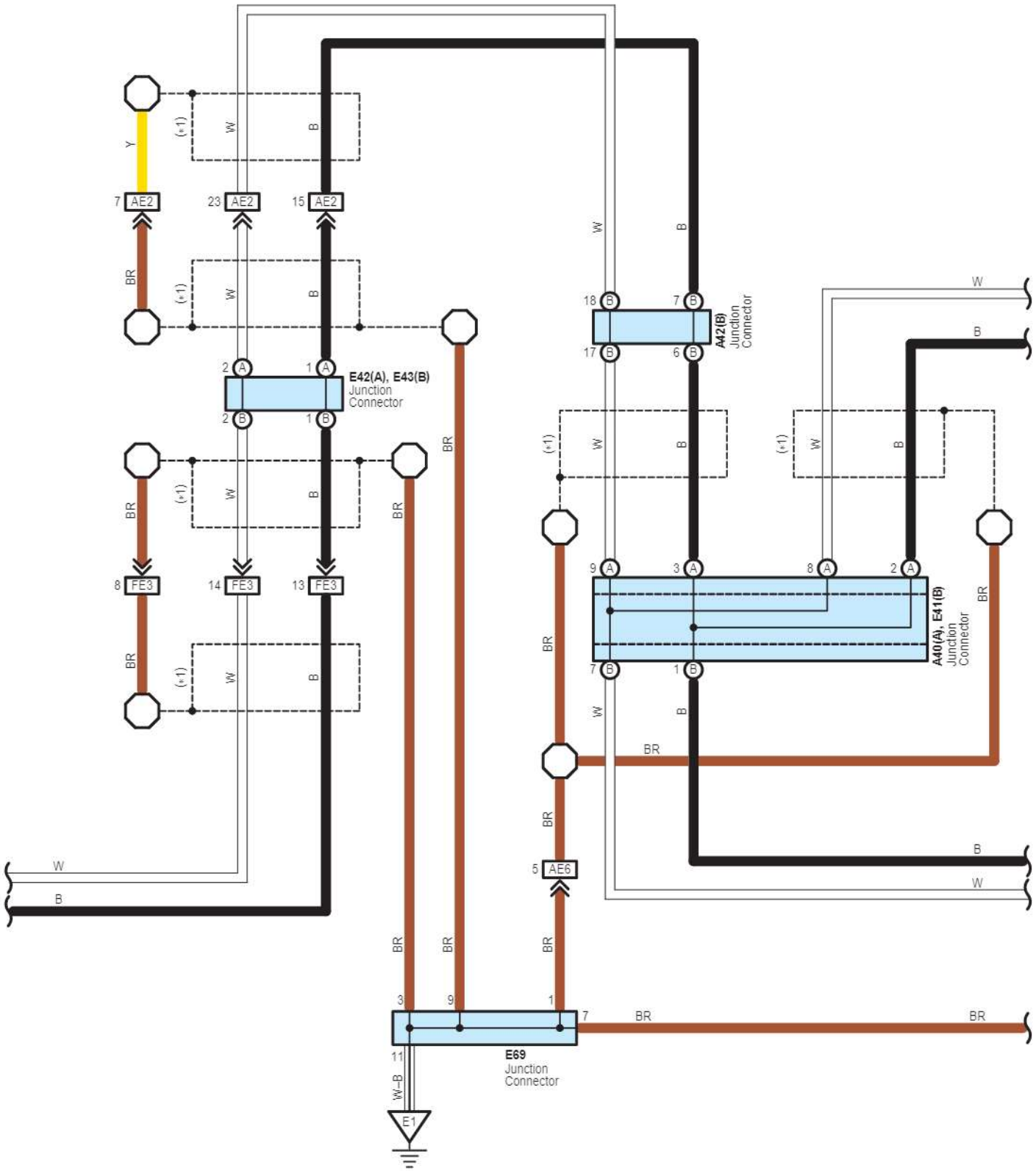
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HE2	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IE2	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)

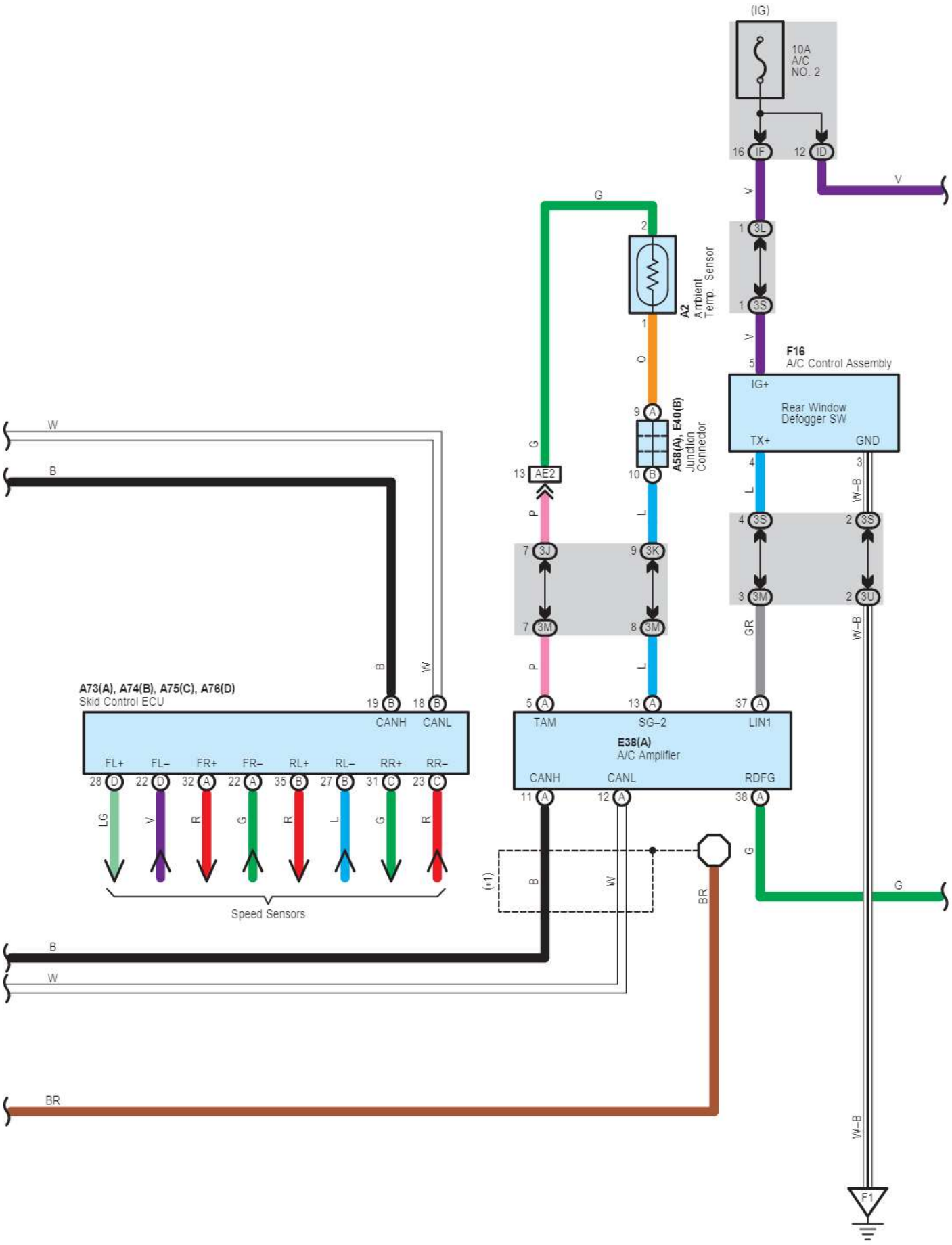
: **Ground Points**

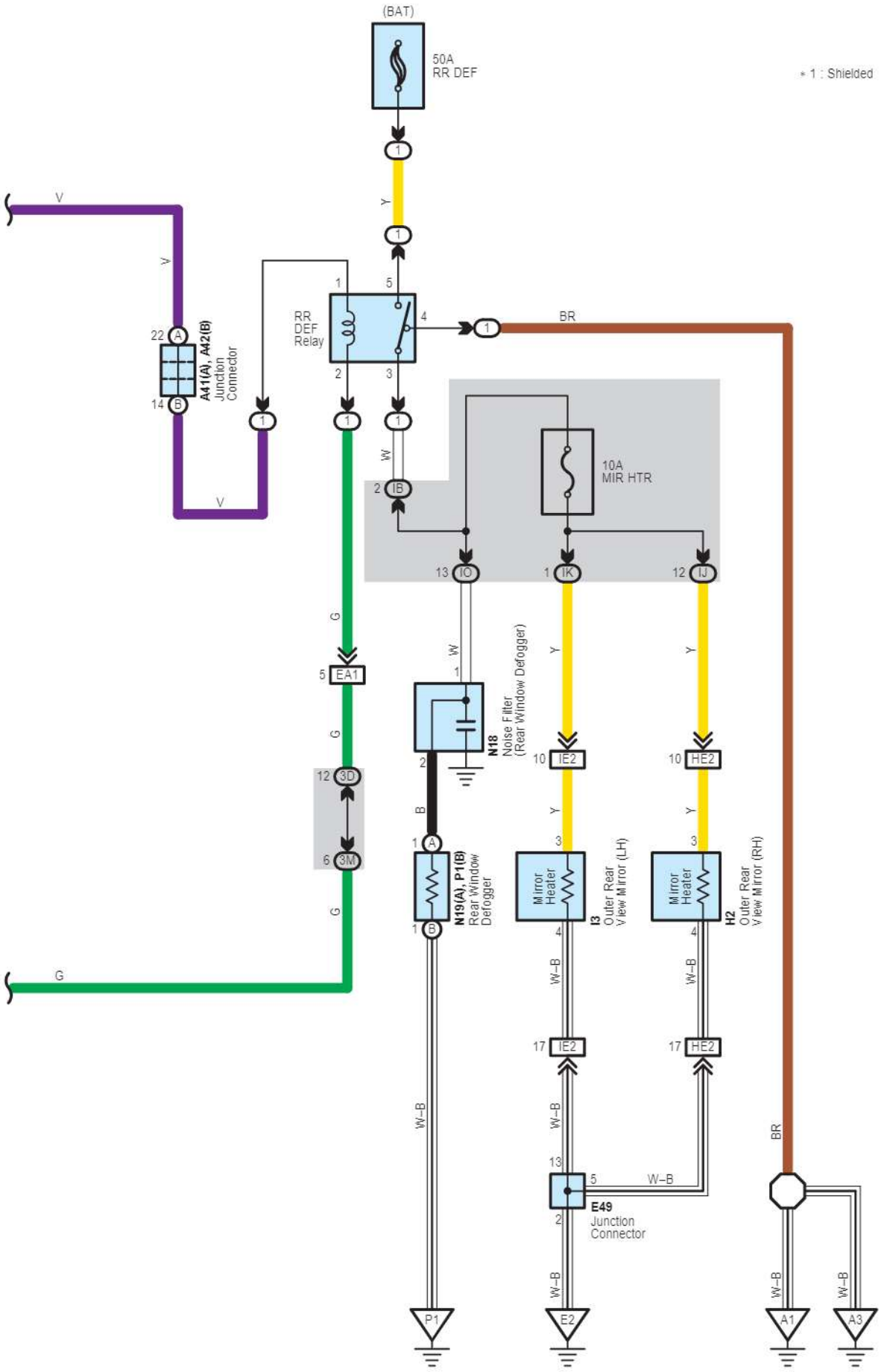
Code	See Page	Ground Points Location
E2	63	Instrument Panel Brace LH


(BAT)
10A
DOME
(IG)
7.5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
LG
GR
SB
V
R
GR
V
R
B2
IG+
B
Power Supply
Circuit
Speedometer
MICRO COMPUTER
CAN I/F
F1(A)
Combination Meter
E2
ES
CANH
CANL
W–B
BR
GR
B
W
A41(A), A42(B)
Junction
Connector
F1
C6

* 1 : Shielded


Y
(*1)
W
B
7 AE2
23 AE2
15 AE2
BR
2 A
1 A
E42(A), E43(B)
Junction
Connector
2 B
1 B
8 FE3
14 FE3
13 FE3
18 B
7 B
17 B
6 B
A42(B)
Junction
Connector
9 A
3 A
8 A
2 A
7 B
1 B
A40(A), E41(B)
Junction
Connector
5 AE6
3
9
1
7
11
W-B
E1
E69
Junction
Connector


(IG)
10A
A/C
NO. 2
16 IF
12 ID
V
V
1 3L
1 3S
V
5
F16
A/C Control Assembly
IG+
Rear Window
Defogger SW
TX+
GND
4
3
L
W–B
4 3S
2 3S
3 3M
2 3U
GR
W–B
G
2
A2
Ambient
Temp. Sensor
1
O
9 A
A58(A), E40(B)
Junction
Connector
10 B
L
9 3K
8 3M
L
13 A
37 A
TAM
SG–2
LIN1
E38(A)
A/C Amplifier
CANH
CANL
RDFG
11 A
12 A
38 A
G
G
13 AE2
P
7 3J
7 3M
P
5 A
W
B
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
19 B
18 B
CANH
CANL
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
28 D
22 D
32 A
22 A
35 B
27 B
31 C
23 C
LG
V
R
G
R
L
G
R
Speed Sensors
(*1)
B
W
BR
B
W
BR
W–B
F1


(BAT)
50A
RR DEF
* 1 : Shielded
V
Y
RR
DEF
Relay
BR
22 A
14 B
A41(A), A42(B)
Junction
Connector
W
2 IB
10A
MIR HTR
13 IO
1 IK
12 IJ
G
5 EA1
12 3D
6 3M
N18
Noise Filter
(Rear Window Defogger)
10 IE2
10 HE2
B
N19(A), P1(B)
Rear Window
Defogger
Mirror
Heater
I3
Outer Rear
View Mirror (LH)
H2
Outer Rear
View Mirror (RH)
W-B
17 IE2
17 HE2
E49
Junction
Connector
P1
E2
A1
A3

Rear Window Defogger and Mirror Heater

○ : **Parts Location**

Code		See Page	Code		See Page	Code		See Page
A2		50	A76	D	55	F1	A	54
A40	A	55	E38	A	53	F16		54
A41	A	55	E40	B	53	H2		57
A42	B	55	E41	B	53	I3		57
A58	A	55	E42	A	48, 53	N18		56
A73	A	55	E43	B	48, 53	N19	A	56
A74	B	55	E49		53	P1	B	56
A75	C	55	E69		53			

▭ : **Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

▭ : **Junction Block and Wire Harness Connector**

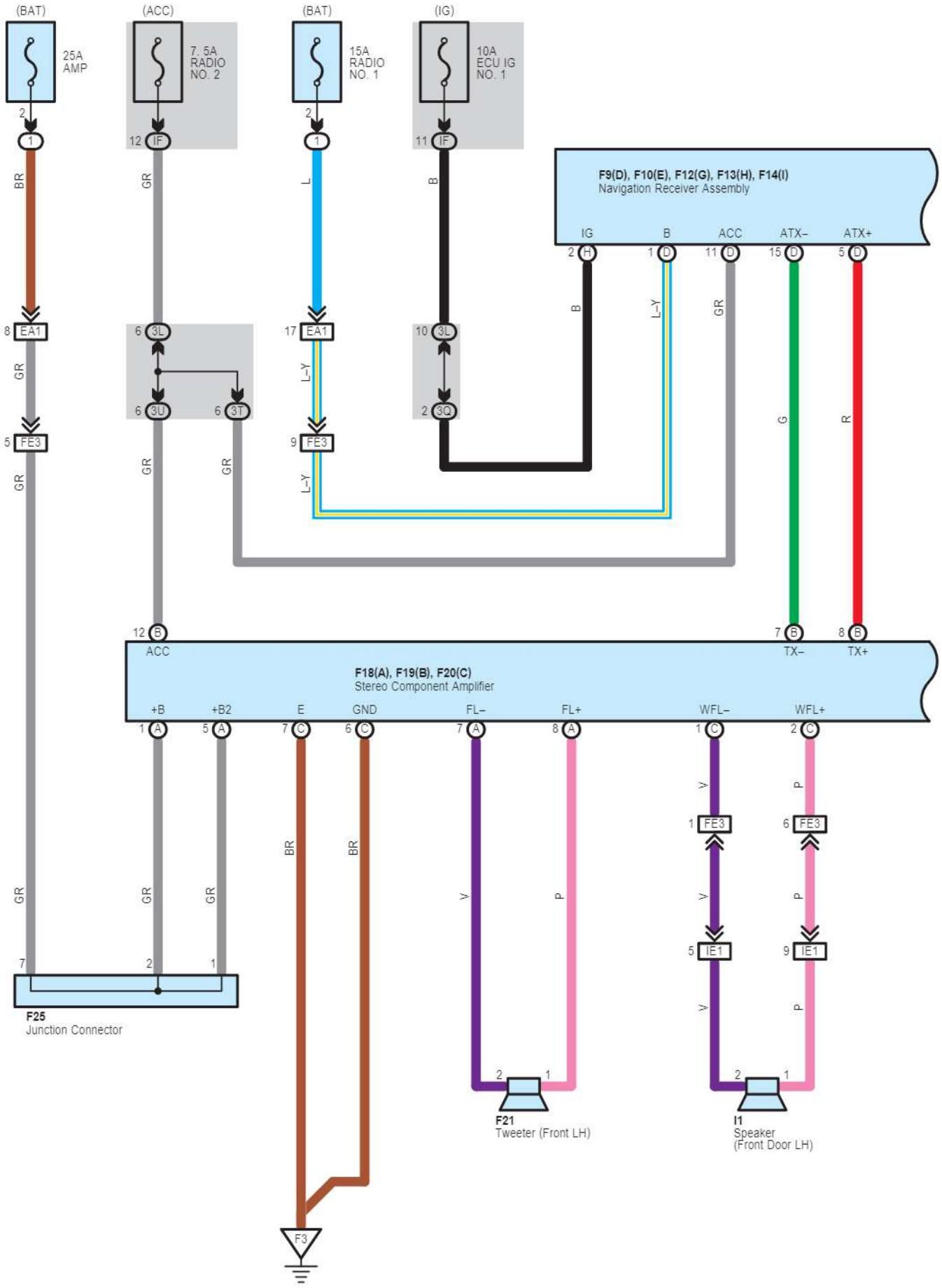
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3D	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3G		
3J		
3K		
3L		
3M		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3S		
3U		
IB	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IJ	30	
IK		
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

▭ : **Connector Joining Wire Harness and Wire Harness**

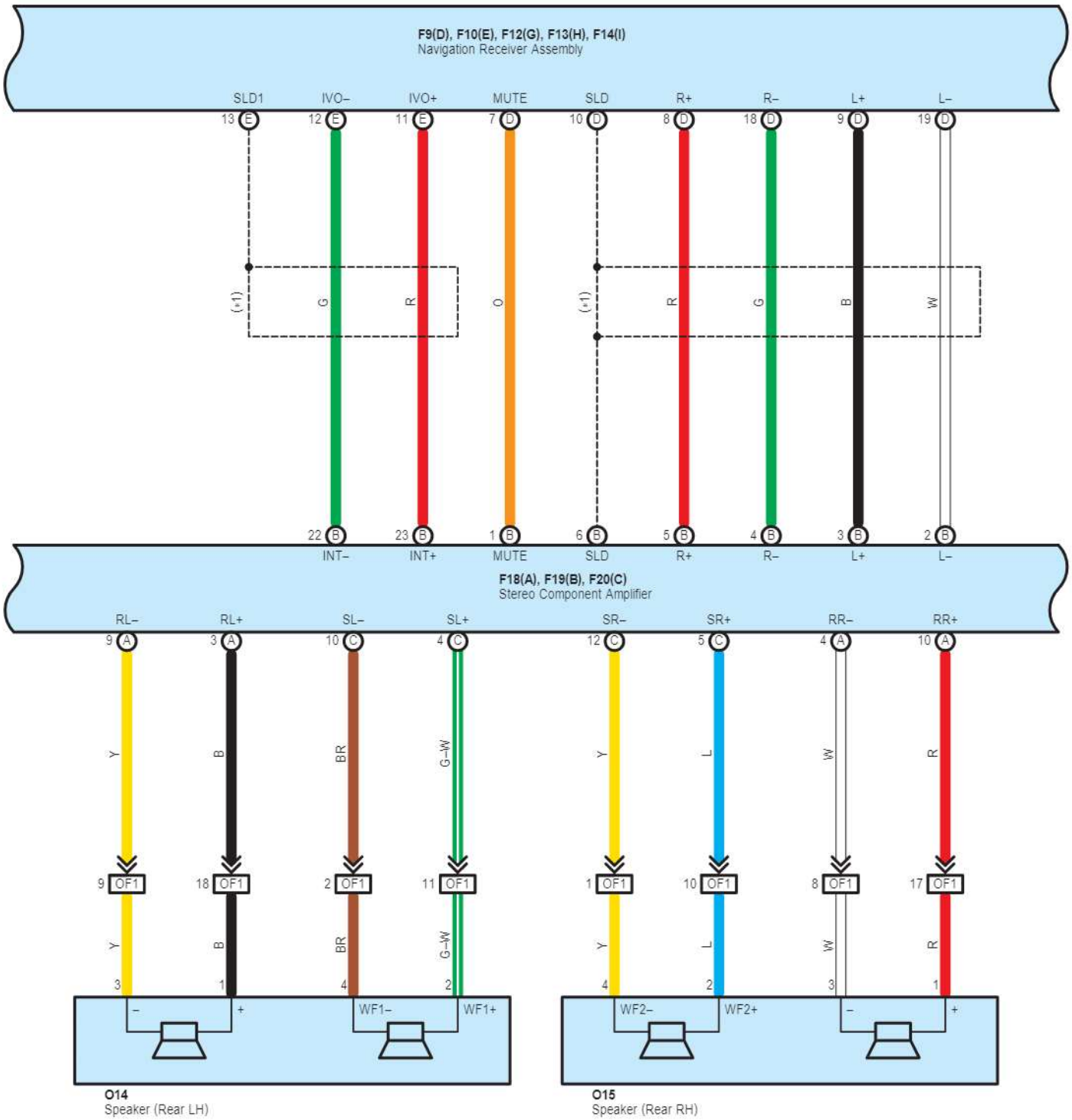
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
HE2	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IE2	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)

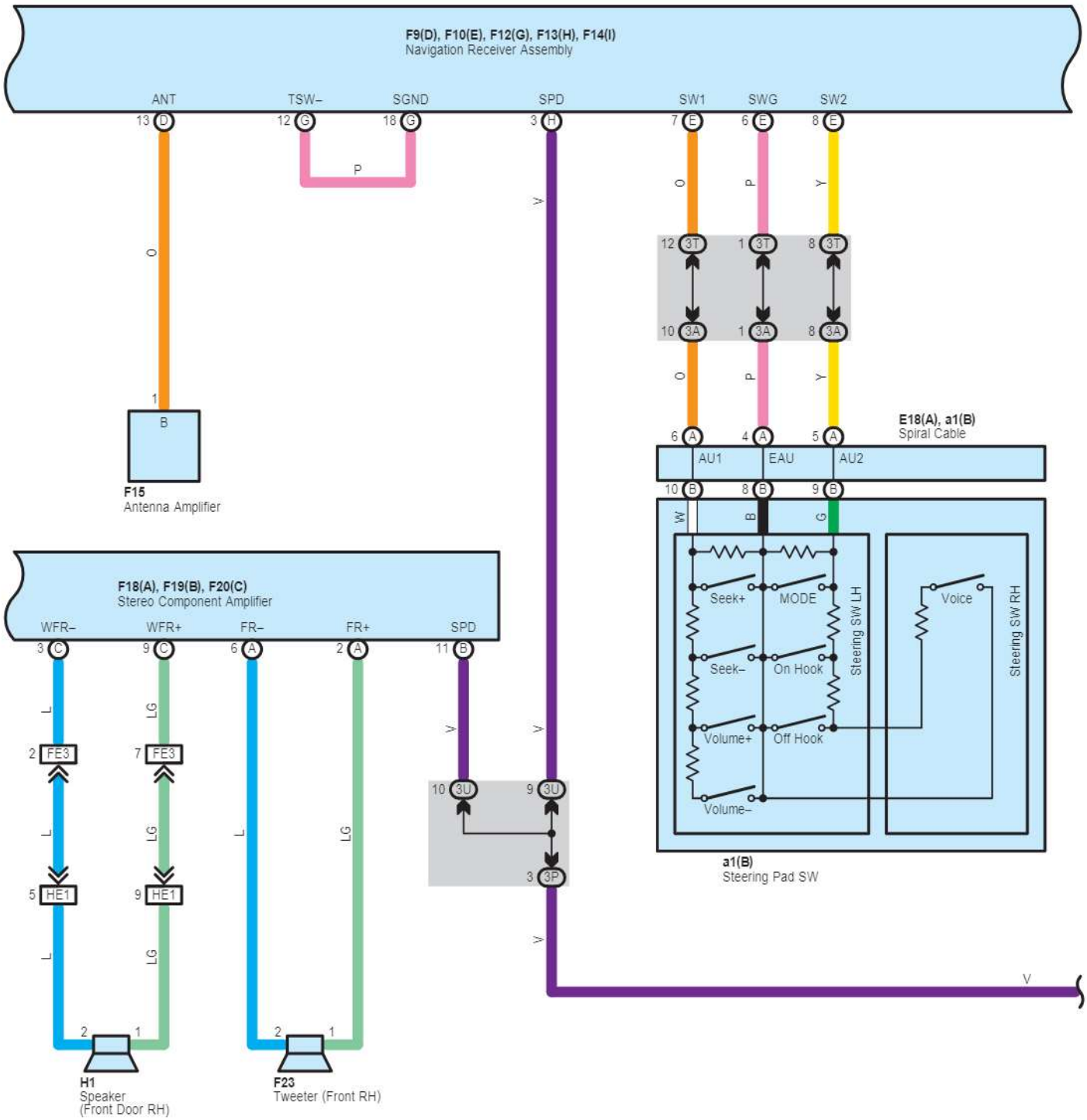
▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	62	Front Left Fender
A3	63	Left Cowl Side Panel
C6	62	Cylinder Block
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
F1	63	Instrument Panel Left
P1	64	Right Rear Quarter Panel

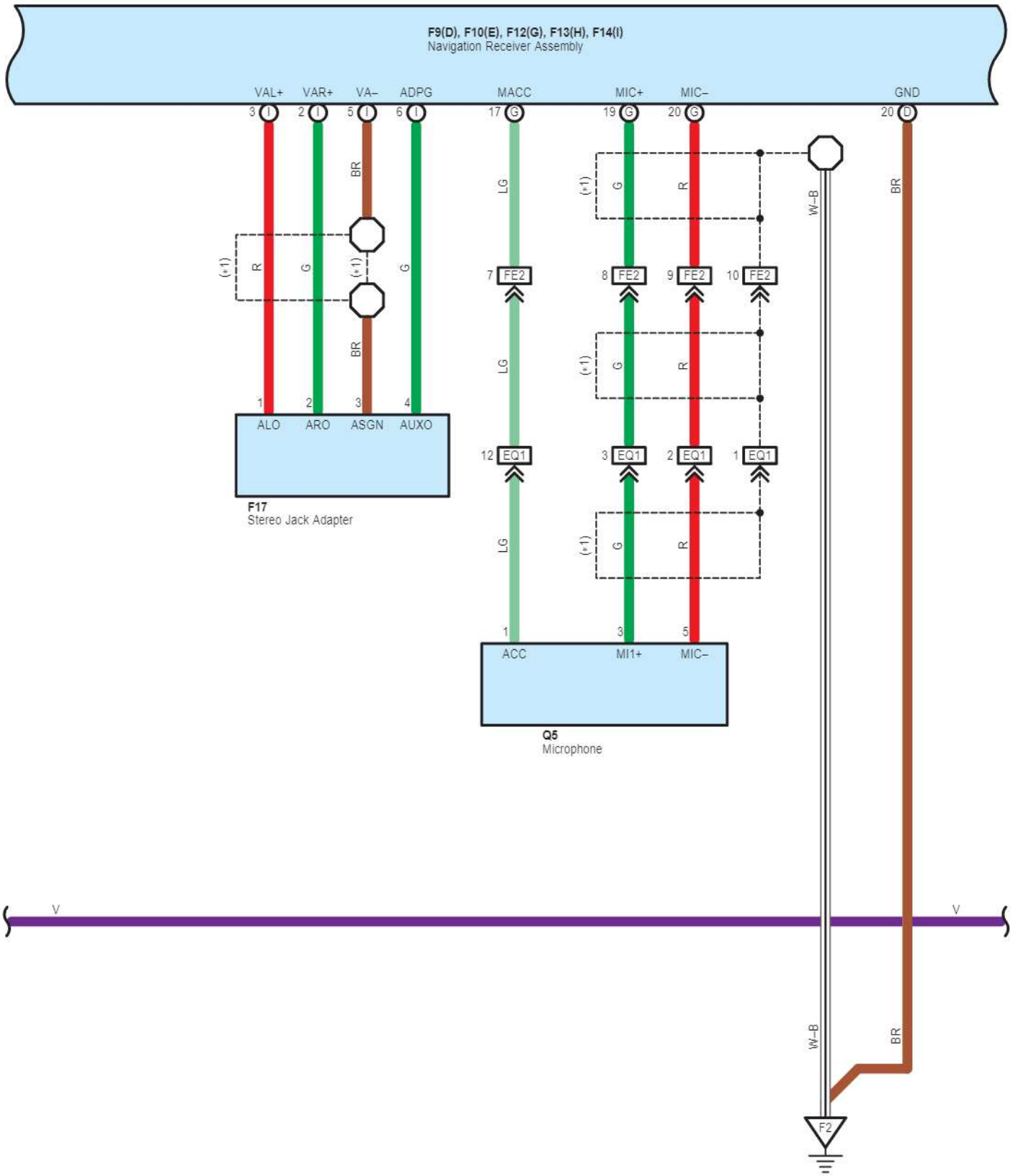

(BAT)
25A AMP
(ACC)
7.5A RADIO NO. 2
(BAT)
15A RADIO NO. 1
(IG)
10A ECU IG NO. 1
F9(D), F10(E), F12(G), F13(H), F14(I)
Navigation Receiver Assembly
IG
B
ACC
ATX–
ATX+
F18(A), F19(B), F20(C)
Stereo Component Amplifier
+B
+B2
E
GND
FL–
FL+
WFL–
WFL+
ACC
TX–
TX+
F25
Junction Connector
F21
Tweeter (Front LH)
I1
Speaker
(Front Door LH)
F3

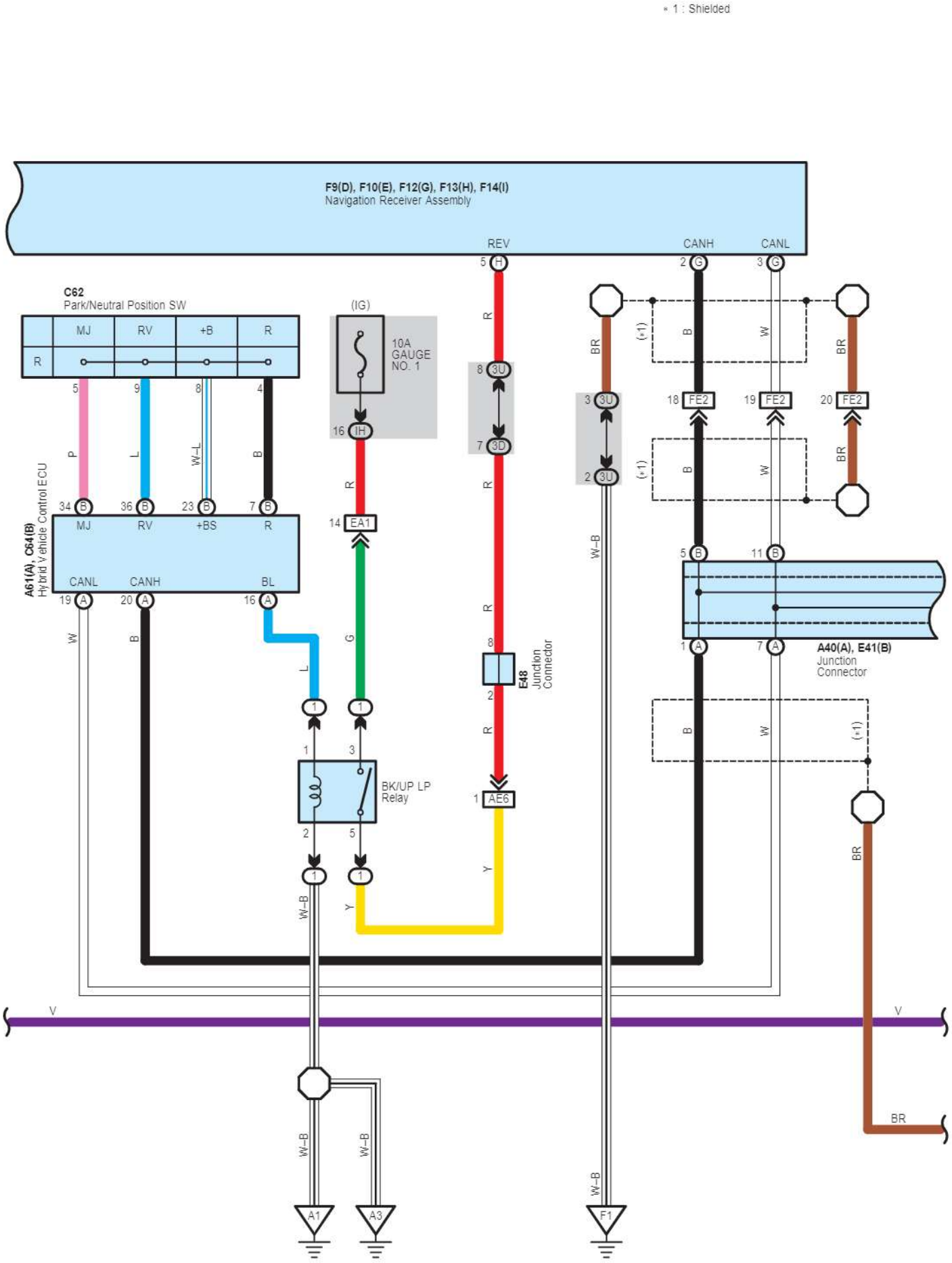
* 1 : Shielded

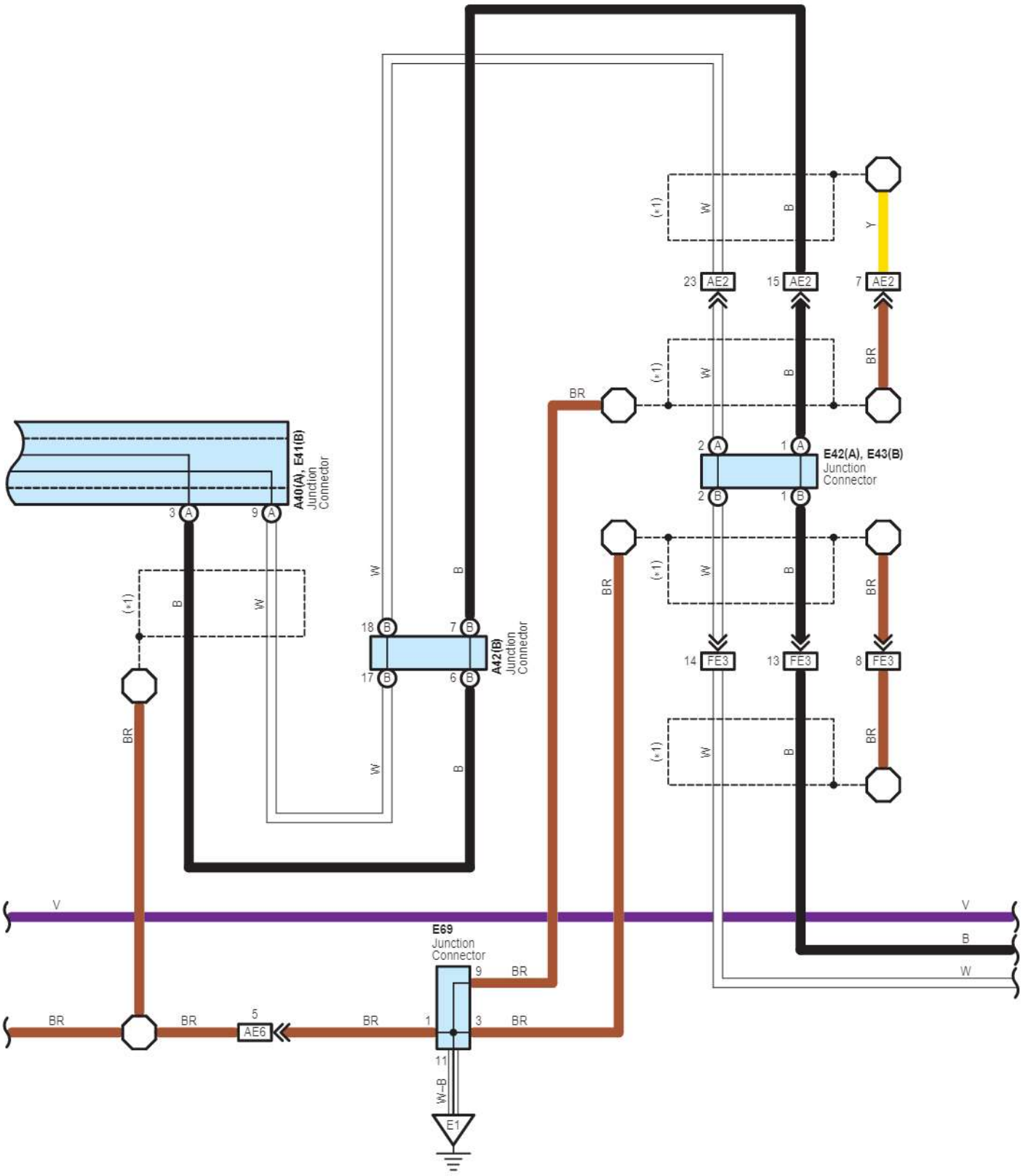

F9(D), F10(E), F12(G), F13(H), F14(I)
Navigation Receiver Assembly
SLD1
IVO–
IVO+
MUTE
SLD
R+
R–
L+
L–
13 E
12 E
11 E
7 D
10 D
8 D
18 D
9 D
19 D
(*1)
G
R
O
(*1)
R
G
B
W
22 B
23 B
1 B
6 B
5 B
4 B
3 B
2 B
INT–
INT+
MUTE
SLD
R+
R–
L+
L–
F18(A), F19(B), F20(C)
Stereo Component Amplifier
RL–
RL+
SL–
SL+
SR–
SR+
RR–
RR+
9 A
3 A
10 C
4 C
12 C
5 C
4 A
10 A
Y
B
BR
G–W
Y
L
W
R
9 OF1
18 OF1
2 OF1
11 OF1
1 OF1
10 OF1
8 OF1
17 OF1
Y
B
BR
G–W
Y
L
W
R
3
1
4
2
4
2
3
1
–
+
WF1–
WF1+
WF2–
WF2+
–
+
O14
Speaker (Rear LH)
O15
Speaker (Rear RH)

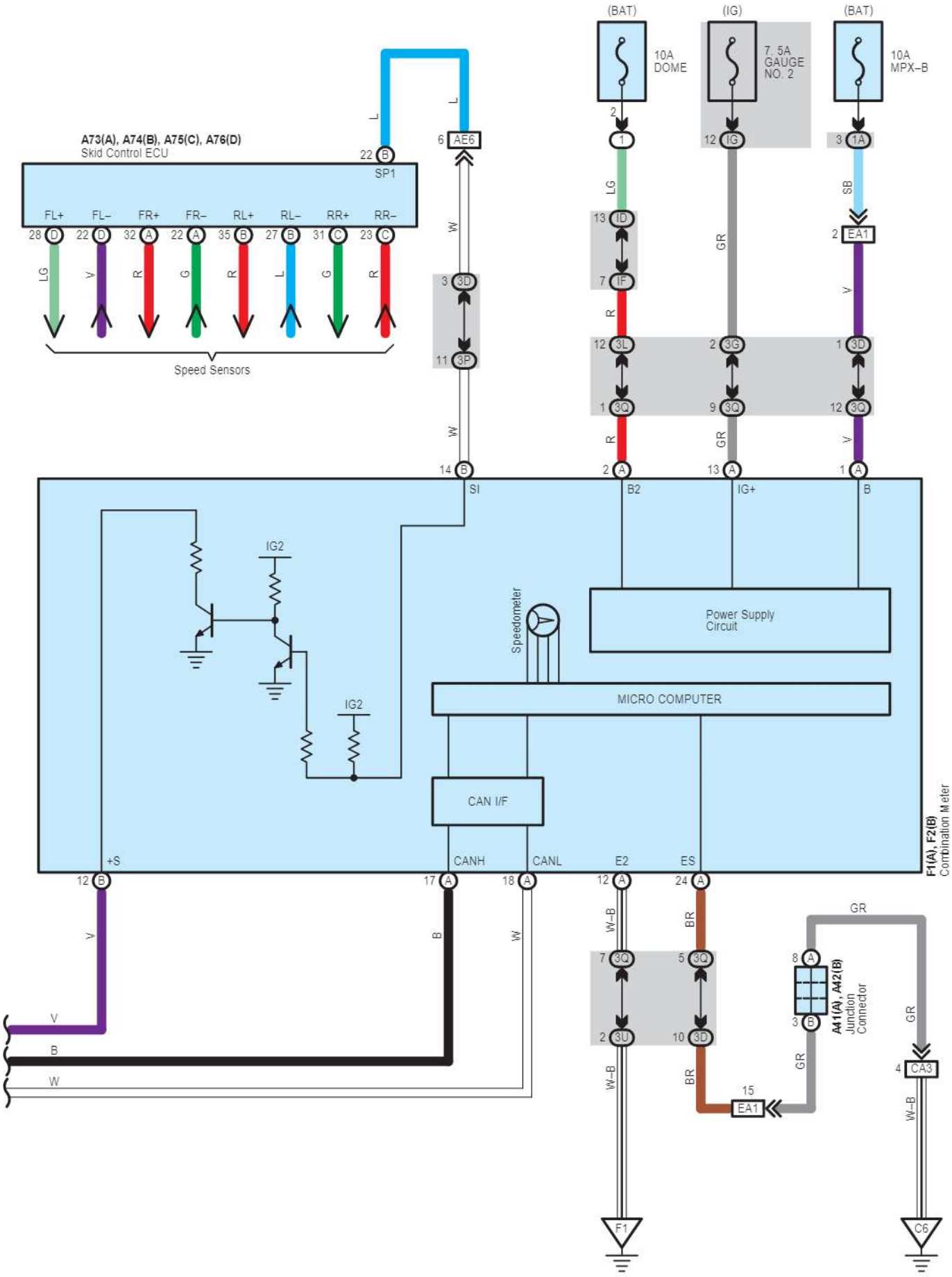

F9(D), F10(E), F12(G), F13(H), F14(I)
Navigation Receiver Assembly
ANT
TSW–
SGND
SPD
SW1
SWG
SW2
13 D
12 G
18 G
3 H
7 E
6 E
8 E
O
P
V
Y
12 3T
1 3T
8 3T
10 3A
1 3A
8 3A
1
B
F15
Antenna Amplifier
6 A
4 A
5 A
E18(A), a1(B)
Spiral Cable
AU1
EAU
AU2
10 B
8 B
9 B
W
B
G
Seek+
MODE
Seek–
On Hook
Volume+
Off Hook
Volume–
Steering SW LH
Voice
Steering SW RH
a1(B)
Steering Pad SW
F18(A), F19(B), F20(C)
Stereo Component Amplifier
WFR–
WFR+
FR–
FR+
SPD
3 C
9 C
6 A
2 A
11 B
L
LG
2 FE3
7 FE3
5 HE1
9 HE1
10 3U
9 3U
3 3P
2
1
H1
Speaker
(Front Door RH)
F23
Tweeter (Front RH)

* 1 : Shielded


F9(D), F10(E), F12(G), F13(H), F14(I)
Navigation Receiver Assembly
VAL+
VAR+
VA–
ADPG
MACC
MIC+
MIC–
GND
3 I
2 I
5 I
6 I
17 G
19 G
20 G
20 D
BR
LG
(*1)
R
G
W–B
7 FE2
8 FE2
9 FE2
10 FE2
12 EQ1
3 EQ1
2 EQ1
1 EQ1
1
2
3
4
ALO
ARO
ASGN
AUXO
F17
Stereo Jack Adapter
ACC
MI1+
MIC–
Q5
Microphone
V
F2


* 1 : Shielded
F9(D), F10(E), F12(G), F13(H), F14(I)
Navigation Receiver Assembly
REV
CANH
CANL
C62
Park/Neutral Position SW
MJ
RV
+B
R
(IG)
10A
GAUGE
NO. 1
A61(A), C64(B)
Hybrid Vehicle Control ECU
MJ
RV
+BS
R
CANL
CANH
BL
BK/UP LP
Relay
E48
Junction
Connector
A40(A), E41(B)
Junction
Connector
FE2
AE6
A1
A3
F1


A40(A), E41(B)
Junction
Connector
3 A
9 A
(+1)
W
B
BR
A42(B)
Junction
Connector
18 B
7 B
17 B
6 B
E42(A), E43(B)
Junction
Connector
2 A
1 A
2 B
1 B
23 AE2
15 AE2
7 AE2
14 FE3
13 FE3
8 FE3
Y
V
E69
Junction
Connector
9
1
3
11
5 AE6
W-B
E1


A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
SP1
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
Speed Sensors
(BAT)
10A
DOME
(IG)
7.5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
AE6
3D
3P
ID
IF
3L
3Q
3G
EA1
SI
B2
IG+
B
IG2
IG2
Speedometer
Power Supply
Circuit
MICRO COMPUTER
CAN I/F
+S
CANH
CANL
E2
ES
F1(A), F2(B)
Combination Meter
V
B
W
W–B
BR
GR
A41(A), A42(B)
Junction
Connector
3U
CA3
15
F1
C6

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A40	A	55	E43	B	48, 53	F19	B	54
A41	A	55	E48		53	F20	C	54
A42	B	55	E69		53	F21		54
A61	A	50	F1	A	54	F23		54
A73	A	55	F2	B	54	F25		54
A74	B	55	F9	D	54	H1		57
A75	C	55	F10	E	54	I1		57
A76	D	55	F12	G	54	O14		56
C62		51	F13	H	54	O15		56
C64	B	51	F14	I	54	Q5		57
E18	A	52	F15		54	a1	B	55
E41	B	53	F17		54			
E42	A	48, 53	F18	A	54			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

⬭ : Junction Block and Wire Harness Connector

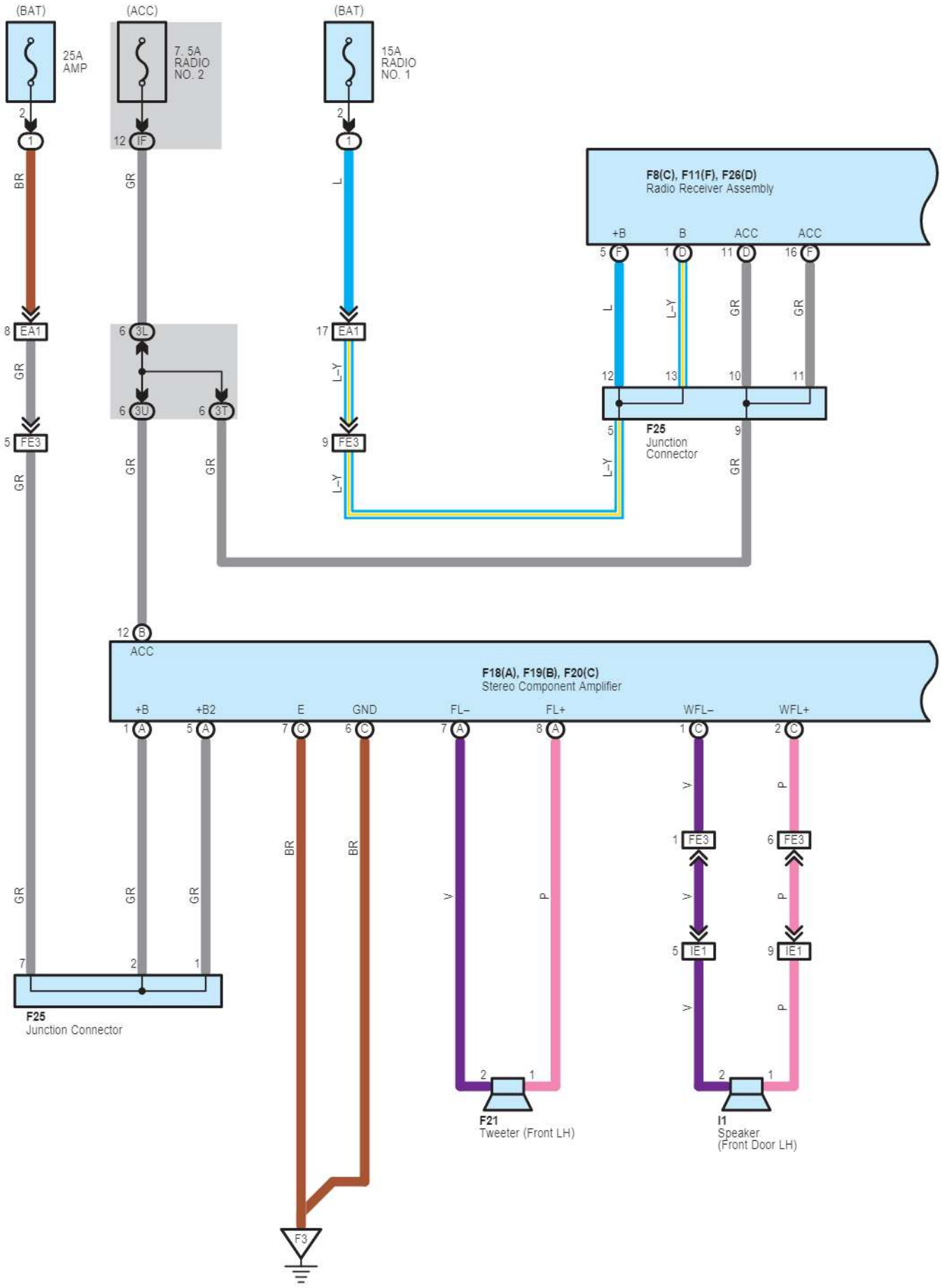
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3G		
3L		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3T		
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IH		

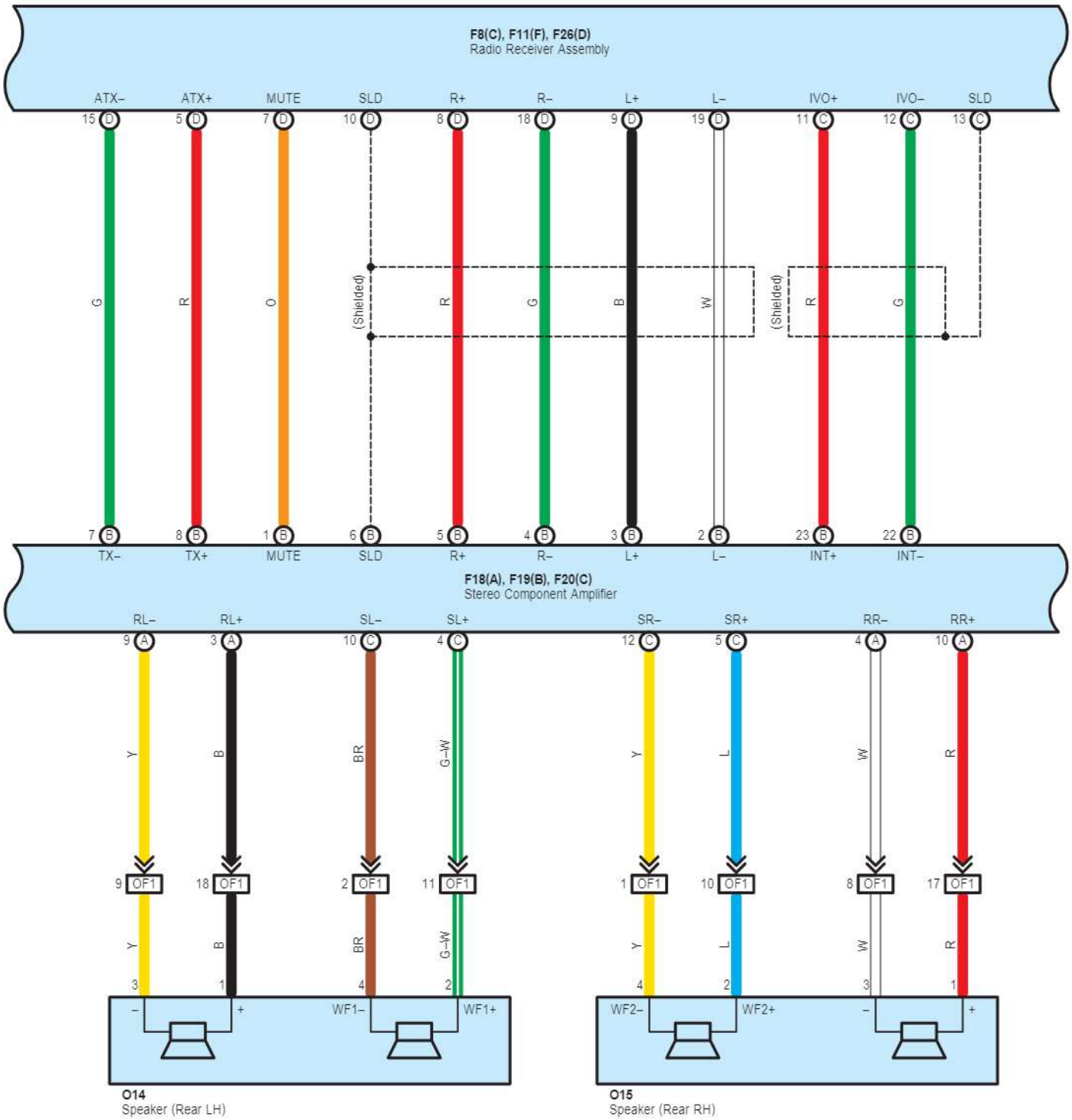
▭ : Connector Joining Wire Harness and Wire Harness

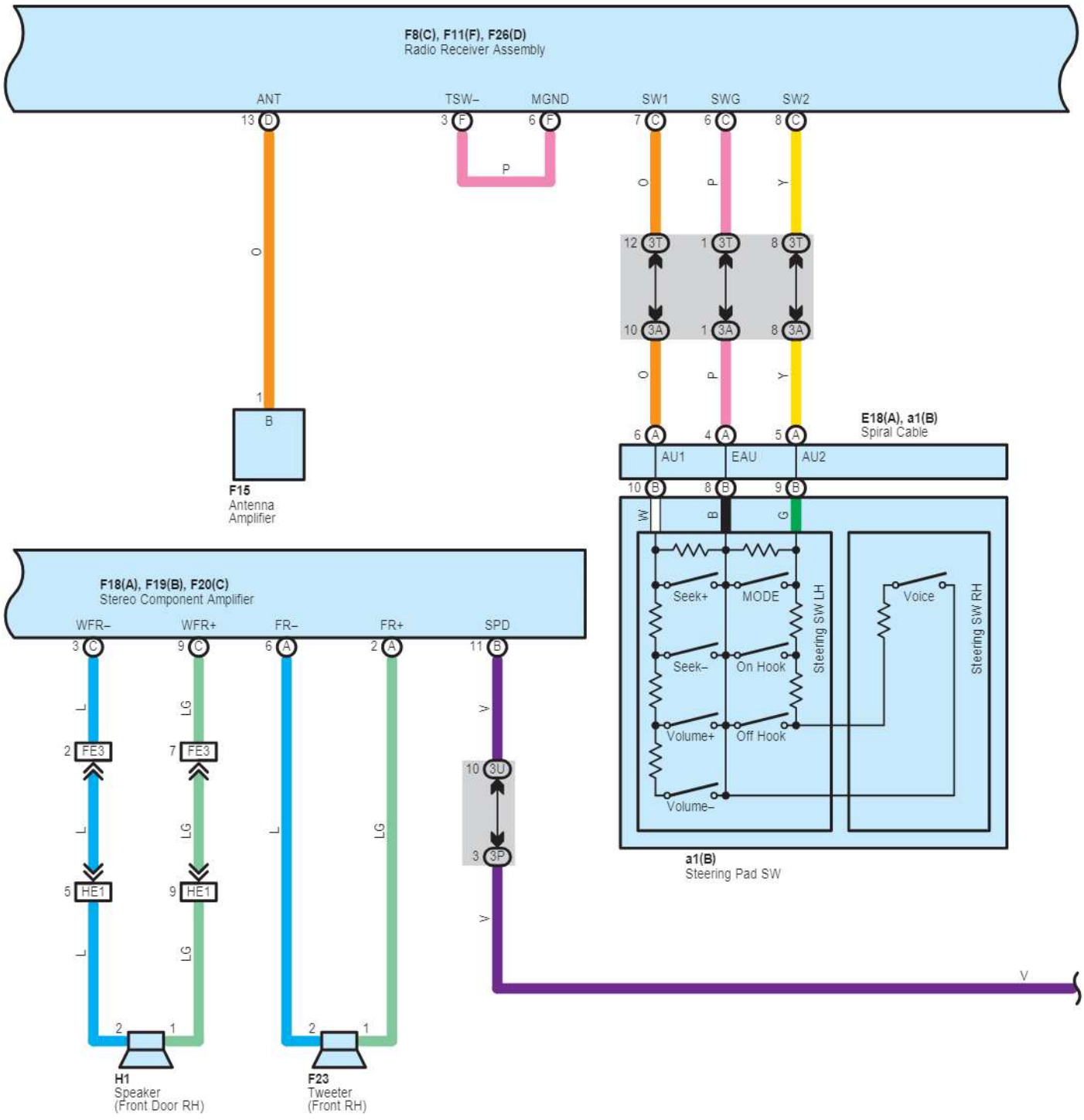
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EQ1	63	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE2	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
FE3		
HE1	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IE1	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
OF1	63	Floor No.2 Wire and Instrument Panel No.2 Wire (Instrument Panel Right)

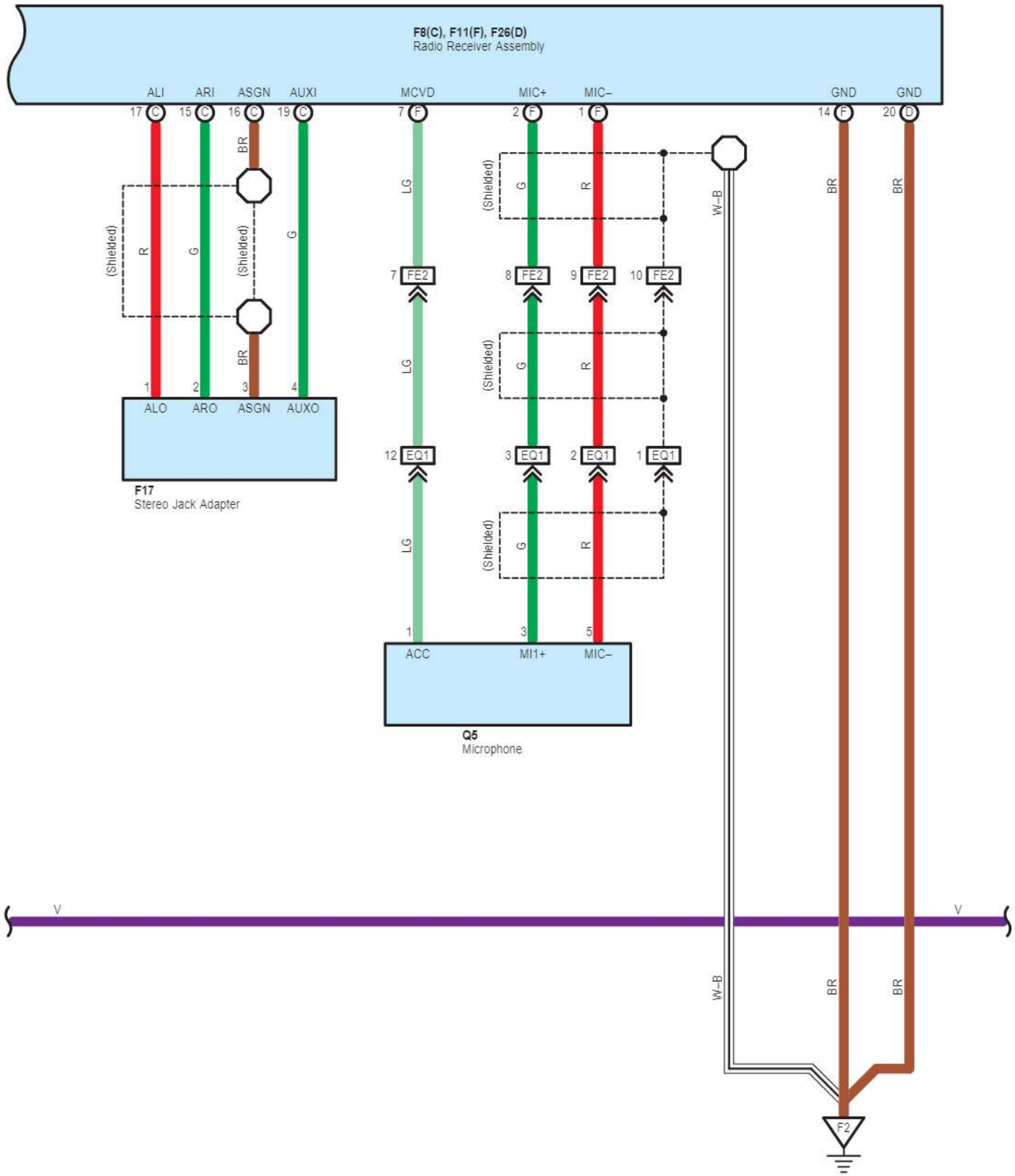
▽ : **Ground Points**

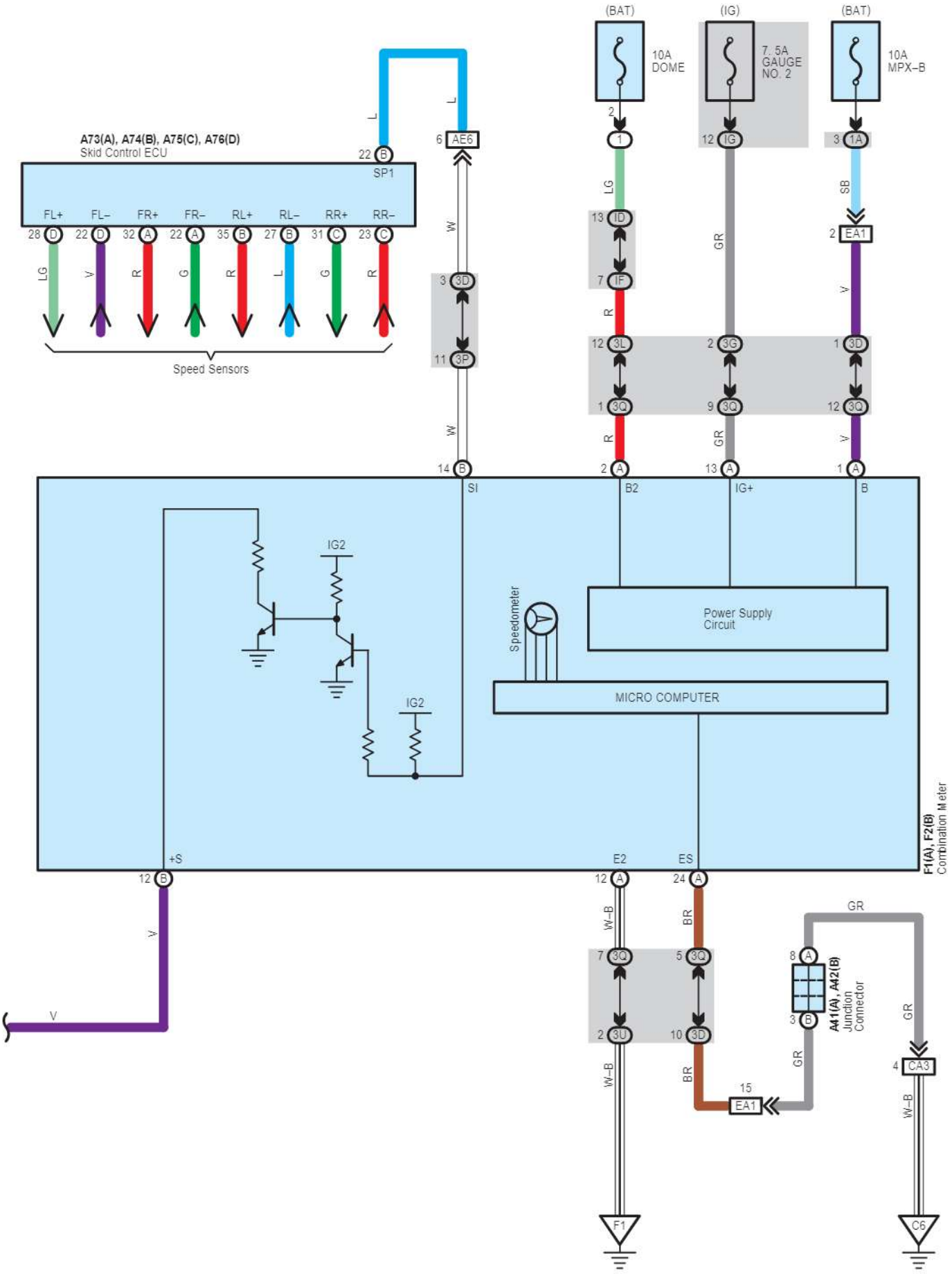
Code	See Page	Ground Points Location
A1	62	Front Left Fender
A3	63	Left Cowl Side Panel
C6	62	Cylinder Block
E1	63	Instrument Panel Left
F1		
F2	63	Instrument Panel Brace RH
F3	63	Under the Front Passenger's Seat


(BAT)
25A AMP
(ACC)
7.5A RADIO NO. 2
(BAT)
15A RADIO NO. 1
F8(C), F11(F), F26(D)
Radio Receiver Assembly
+B
B
ACC
ACC
F25
Junction Connector
F18(A), F19(B), F20(C)
Stereo Component Amplifier
+B
+B2
E
GND
FL−
FL+
WFL−
WFL+
F25
Junction Connector
F21
Tweeter (Front LH)
I1
Speaker
(Front Door LH)
F3


F8(C), F11(F), F26(D)
Radio Receiver Assembly
ATX–
ATX+
MUTE
SLD
R+
R–
L+
L–
IVO+
IVO–
SLD
15 D
5 D
7 D
10 D
8 D
18 D
9 D
19 D
11 C
12 C
13 C
G
R
O
(Shielded)
R
G
B
W
(Shielded)
R
G
7 B
8 B
1 B
6 B
5 B
4 B
3 B
2 B
23 B
22 B
TX–
TX+
MUTE
SLD
R+
R–
L+
L–
INT+
INT–
F18(A), F19(B), F20(C)
Stereo Component Amplifier
RL–
RL+
SL–
SL+
SR–
SR+
RR–
RR+
9 A
3 A
10 C
4 C
12 C
5 C
4 A
10 A
Y
B
BR
G–W
Y
L
W
R
9 OF1
18 OF1
2 OF1
11 OF1
1 OF1
10 OF1
8 OF1
17 OF1
Y
B
BR
G–W
Y
L
W
R
3
1
4
2
4
2
3
1
–
+
WF1–
WF1+
WF2–
WF2+
–
+
O14
Speaker (Rear LH)
O15
Speaker (Rear RH)


F8(C), F11(F), F26(D)
Radio Receiver Assembly
ANT
TSW–
MGND
SW1
SWG
SW2
13 D
3 F
6 F
7 C
6 C
8 C
O
P
Y
12 3T
1 3T
8 3T
10 3A
1 3A
8 3A
1
B
F15
Antenna
Amplifier
E18(A), a1(B)
Spiral Cable
6 A
4 A
5 A
AU1
EAU
AU2
10 B
8 B
9 B
W
B
G
Seek+
MODE
Seek–
On Hook
Volume+
Off Hook
Volume–
Steering SW LH
Voice
Steering SW RH
a1(B)
Steering Pad SW
F18(A), F19(B), F20(C)
Stereo Component Amplifier
WFR–
WFR+
FR–
FR+
SPD
3 C
9 C
6 A
2 A
11 B
L
LG
V
2 FE3
7 FE3
10 3U
5 HE1
9 HE1
3 3P
2
1
H1
Speaker
(Front Door RH)
F23
Tweeter
(Front RH)


F8(C), F11(F), F26(D)
Radio Receiver Assembly
ALI
ARI
ASGN
AUXI
MCVD
MIC+
MIC–
GND
GND
17 C
15 C
16 C
19 C
7 F
2 F
1 F
14 F
20 D
BR
LG
G
R
W–B
(Shielded)
7 FE2
8 FE2
9 FE2
10 FE2
12 EQ1
3 EQ1
2 EQ1
1 EQ1
1
2
3
4
ALO
ARO
ASGN
AUXO
F17
Stereo Jack Adapter
1
3
5
ACC
MI1+
MIC–
Q5
Microphone
V
F2


(BAT)
(IG)
(BAT)
10A
DOME
7.5A
GAUGE
NO. 2
10A
MPX–B
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
SP1
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
Speed Sensors
AE6
3D
3P
ID
IF
3L
3G
3Q
EA1
1A
IG
SI
B2
IG+
B
IG2
Speedometer
Power Supply
Circuit
MICRO COMPUTER
+S
E2
ES
F1(A), F2(B)
Combination Meter
A41(A), A42(B)
Junction
Connector
CA3
F1
C6

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A41	A	55	F8	C	54	F25		54
A42	B	55	F11	F	54	F26	D	54
A73	A	55	F15		54	H1		57
A74	B	55	F17		54	I1		57
A75	C	55	F18	A	54	O14		56
A76	D	55	F19	B	54	O15		56
E18	A	52	F20	C	54	Q5		57
F1	A	54	F21		54	a1	B	55
F2	B	54	F23		54			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

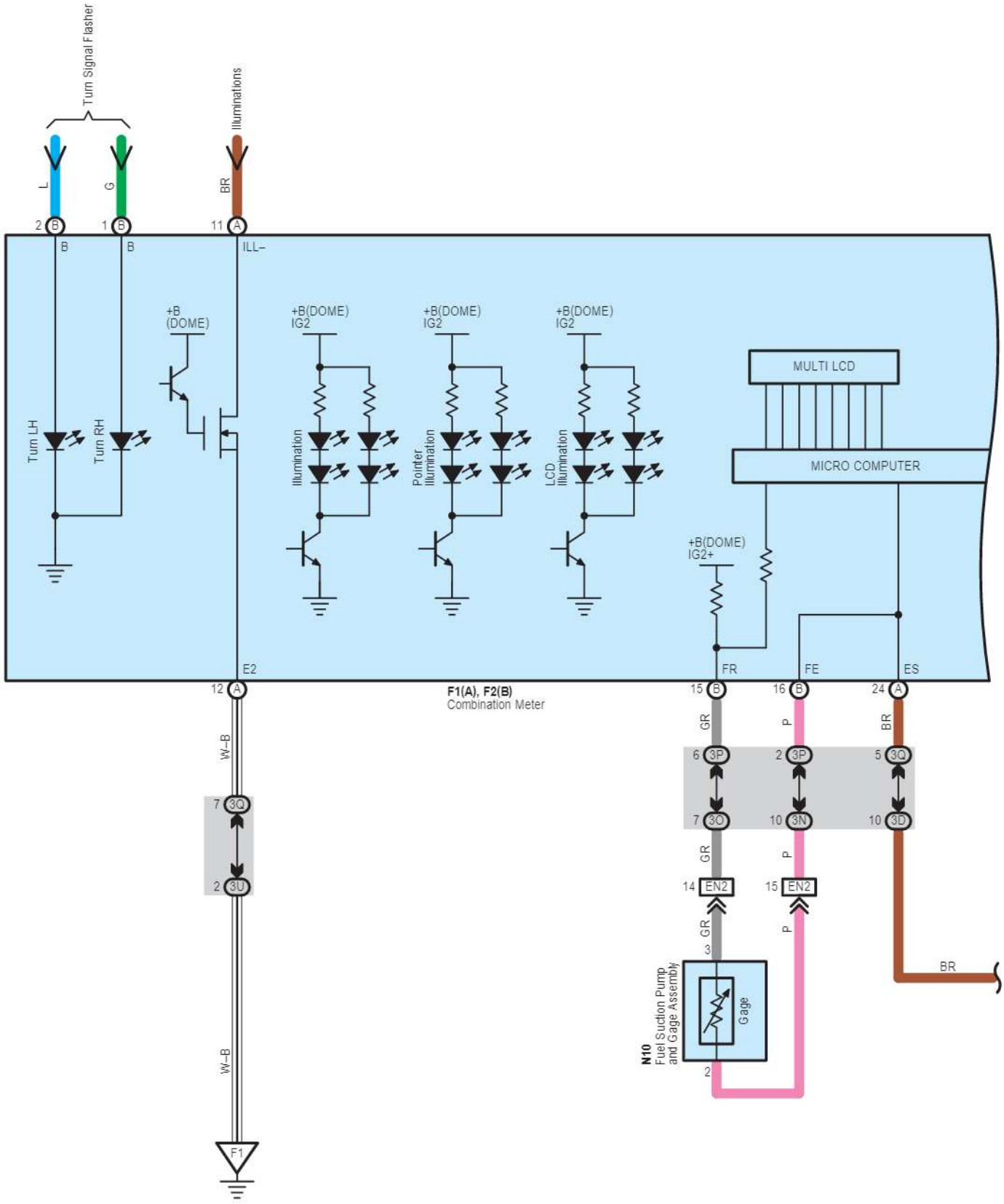
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3G		
3L		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3T		
3U		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	

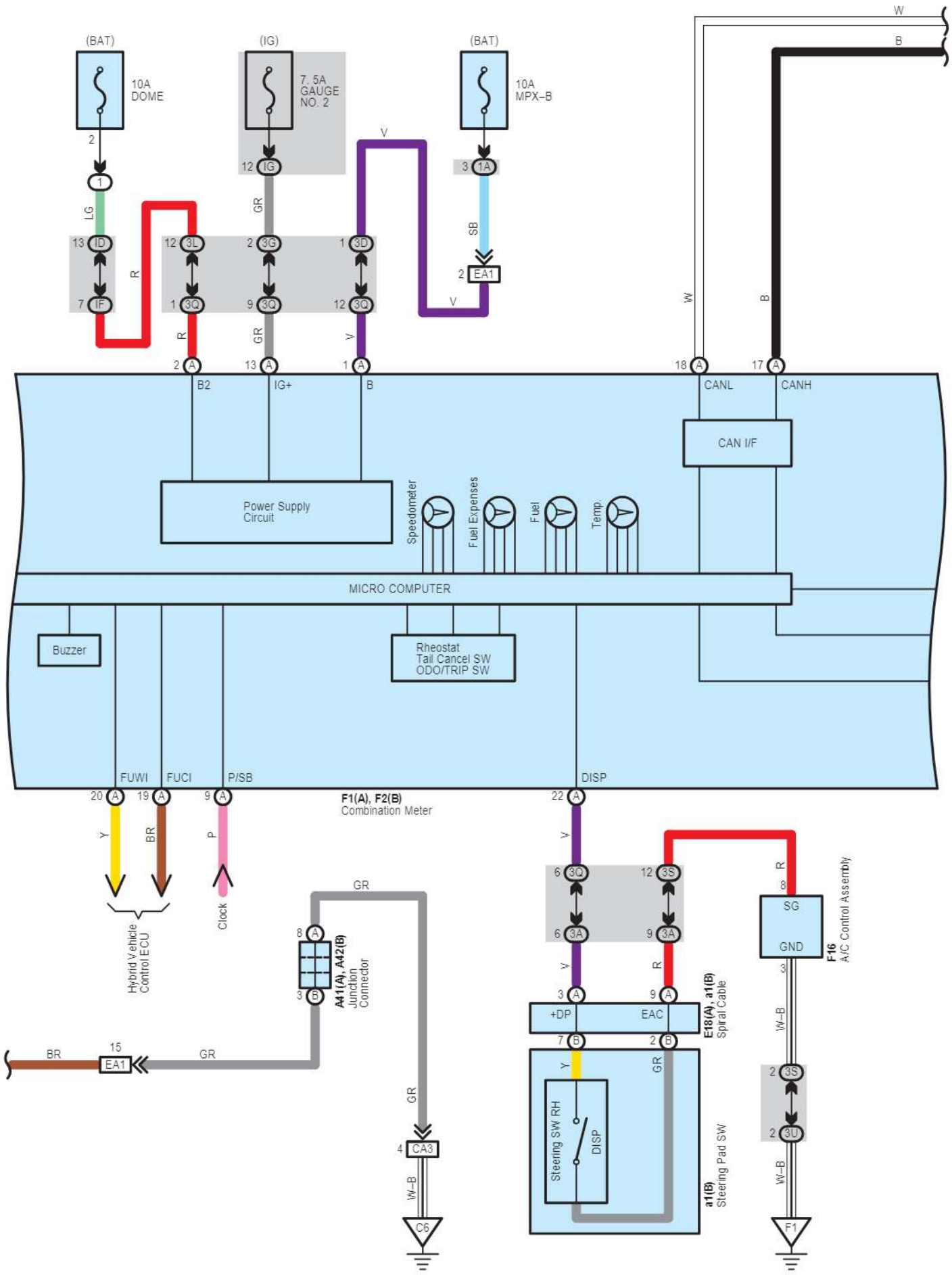
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EQ1	63	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE2	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
FE3		
HE1	63	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IE1	63	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
OF1	63	Floor No.2 Wire and Instrument Panel No.2 Wire (Instrument Panel Right)

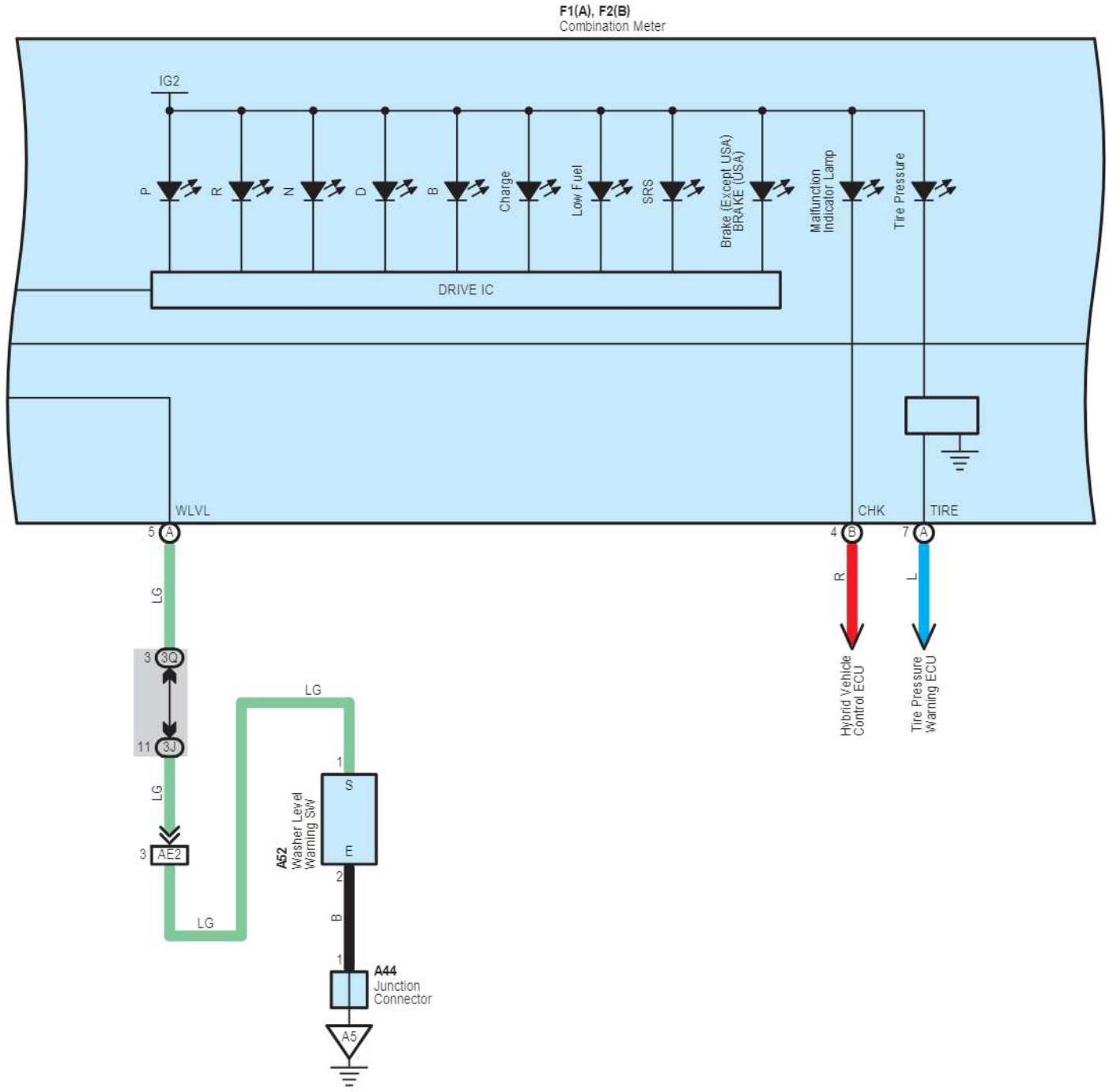
: Ground Points

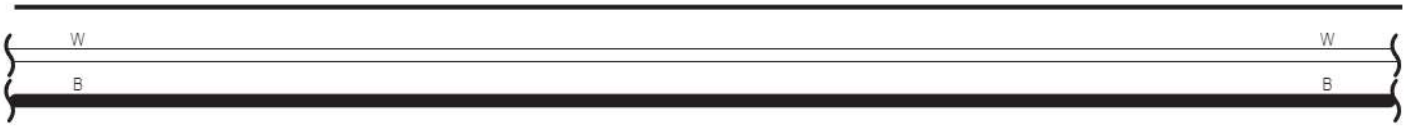
Code	See Page	Ground Points Location
C6	62	Cylinder Block
F1	63	Instrument Panel Left
F2	63	Instrument Panel Brace RH
F3	63	Under the Front Passenger's Seat


Turn Signal Flasher
Illuminations
L
G
BR
2 B
1 B
11 A
B
B
ILL–
+B (DOME)
+B(DOME) IG2
+B(DOME) IG2
+B(DOME) IG2
Turn LH
Turn RH
Illumination
Pointer Illumination
LCD Illumination
MULTI LCD
MICRO COMPUTER
+B(DOME) IG2+
E2
FR
FE
ES
12 A
15 B
16 B
24 A
F1(A), F2(B)
Combination Meter
GR
P
BR
6 3P
2 3P
5 3Q
7 3Q
10 3N
10 3D
7 3O
2 3U
GR
P
14 EN2
15 EN2
GR
P
3
BR
W–B
W–B
F1
N10
Fuel Suction Pump and Gage Assembly
Gage
2

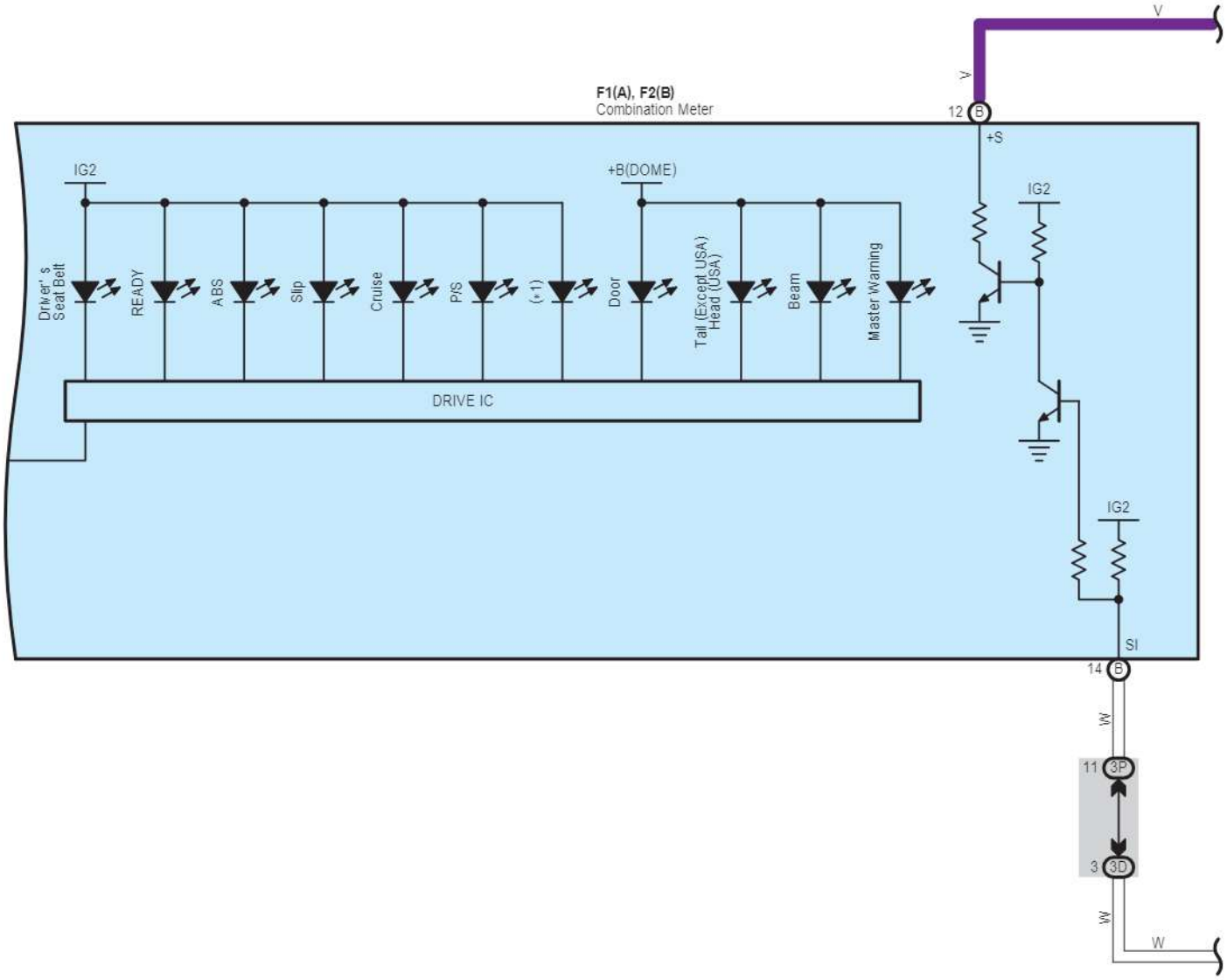

(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
W
B
LG
R
GR
V
SB
W
B
B2
IG+
B
CANL
CANH
CAN I/F
Power Supply
Circuit
Speedometer
Fuel Expenses
Fuel
Temp.
MICRO COMPUTER
Buzzer
Rheostat
Tail Cancel SW
ODO/TRIP SW
FUWI
FUCI
P/SB
DISP
F1(A), F2(B)
Combination Meter
Y
BR
P
Clock
Hybrid Vehicle
Control ECU
GR
A41(A), A42(B)
Junction
Connector
BR
EA1
GR
GR
CA3
W–B
C6
V
R
+DP
EAC
E18(A), a1(B)
Spiral Cable
Steering SW RH
DISP
a1(B)
Steering Pad SW
SG
GND
F16
A/C Control Assembly
W–B
W–B
F1

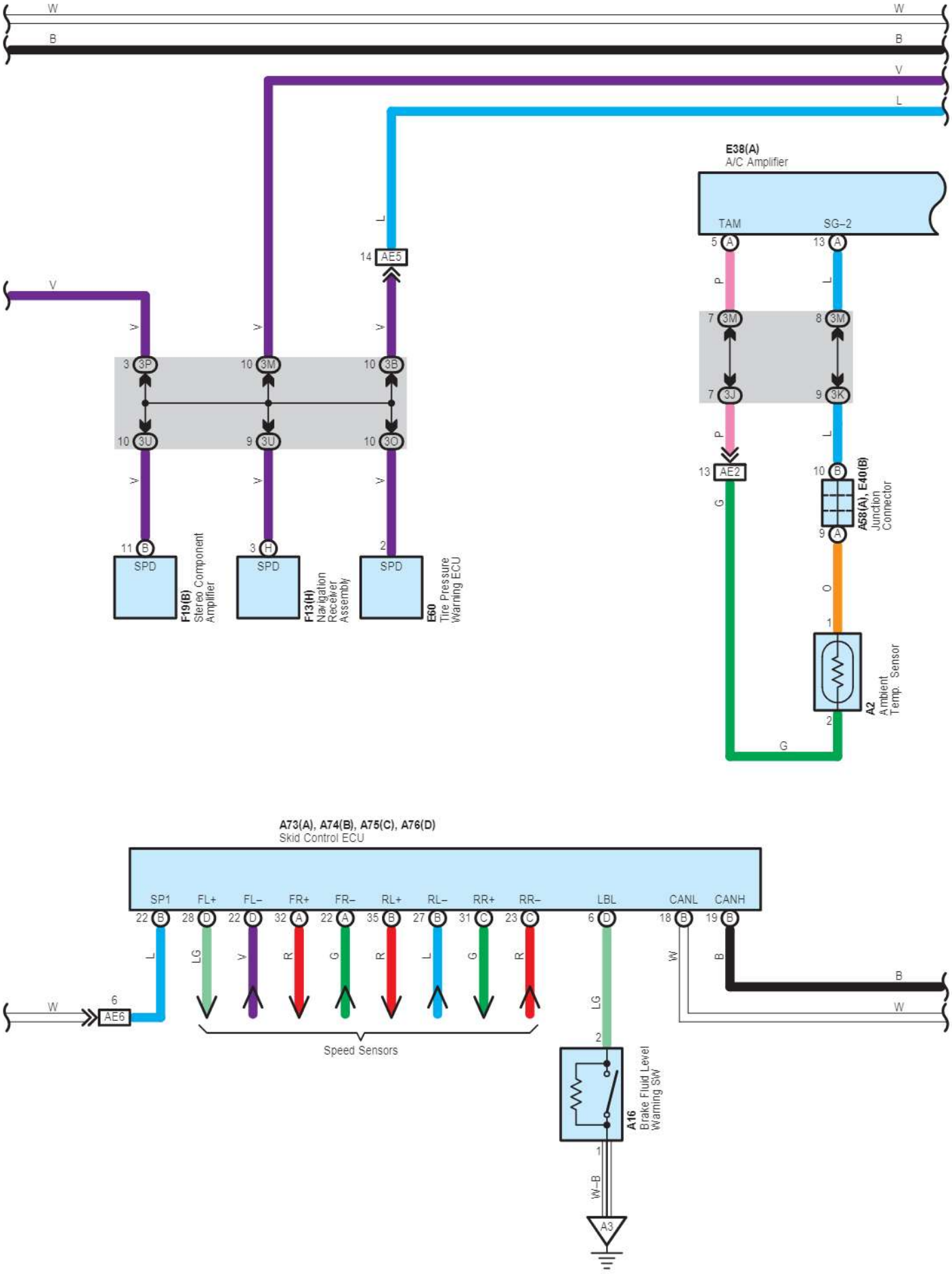

W
B
W
B

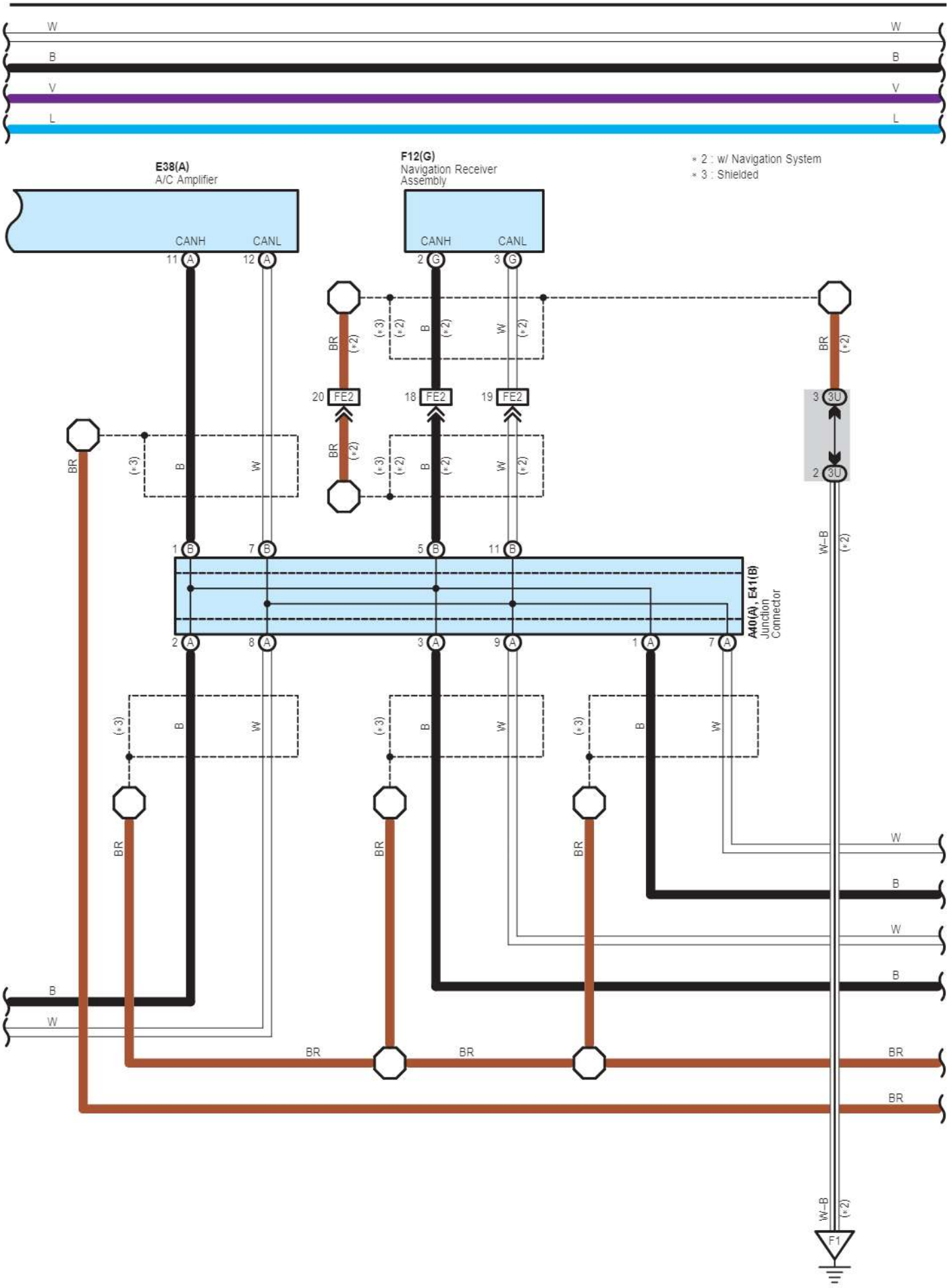

F1(A), F2(B)
Combination Meter
IG2
P
R
N
D
B
Charge
Low Fuel
SRS
Brake (Except USA)
BRAKE (USA)
Malfunction Indicator Lamp
Tire Pressure
DRIVE IC
WLVL
CHK
TIRE
5 A
4 B
7 A
LG
R
L
3 3Q
11 3J
3 AE2
LG
LG
LG
1
S
E
2
A52
Washer Level Warning SW
B
1
A44
Junction Connector
A5
Hybrid Vehicle Control ECU
Tire Pressure Warning ECU

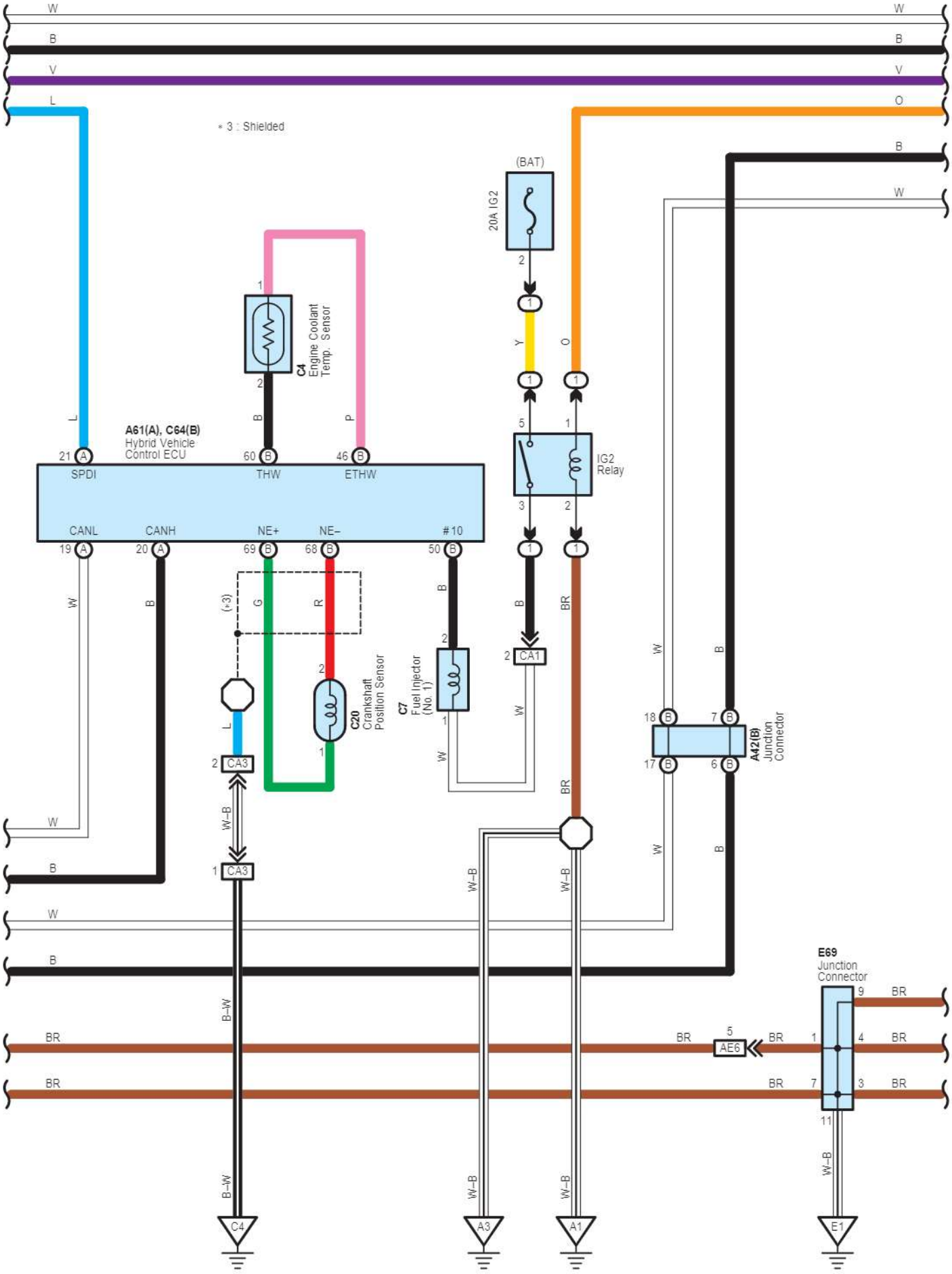


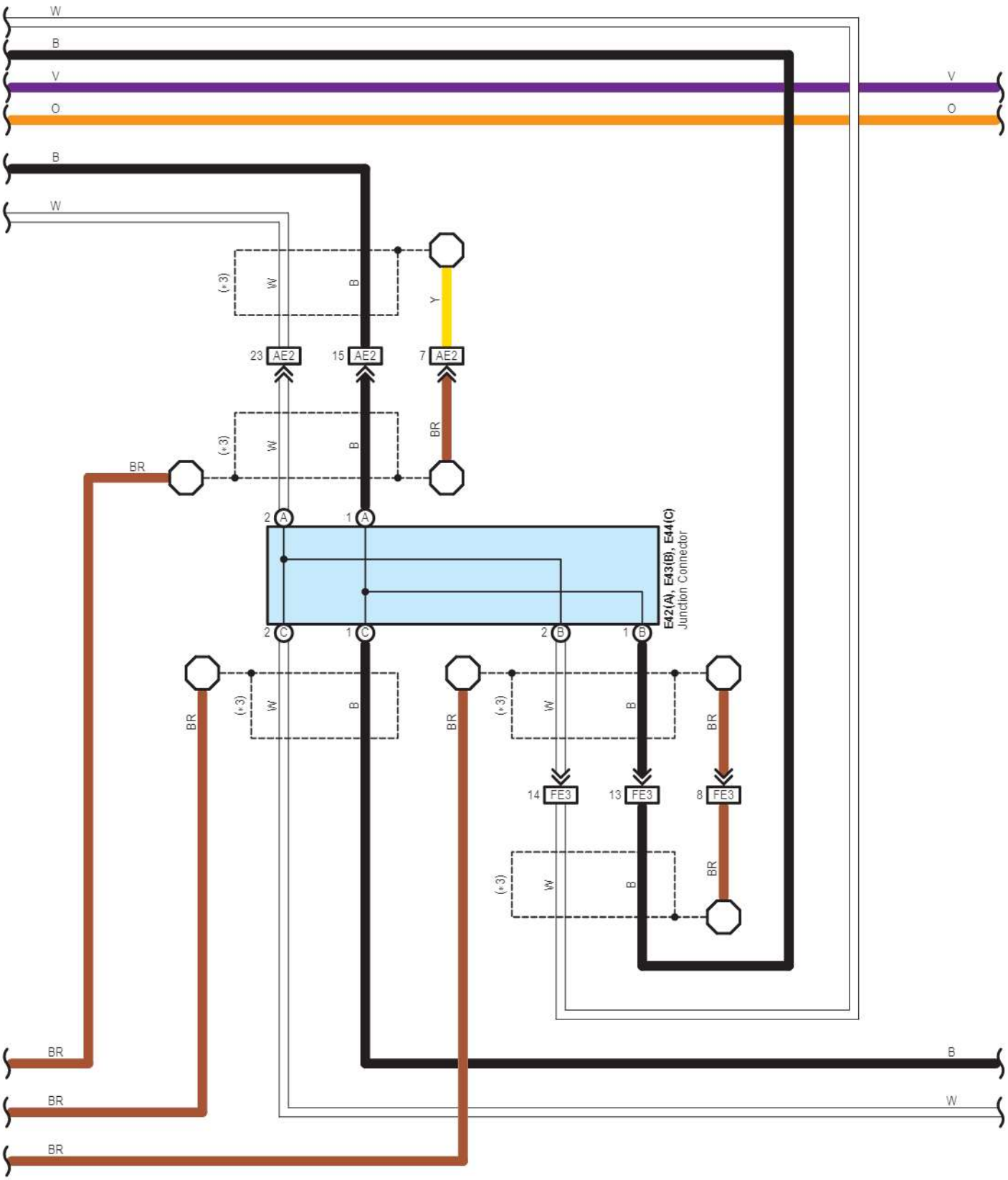
* 1 : Electronically Controlled Brake System

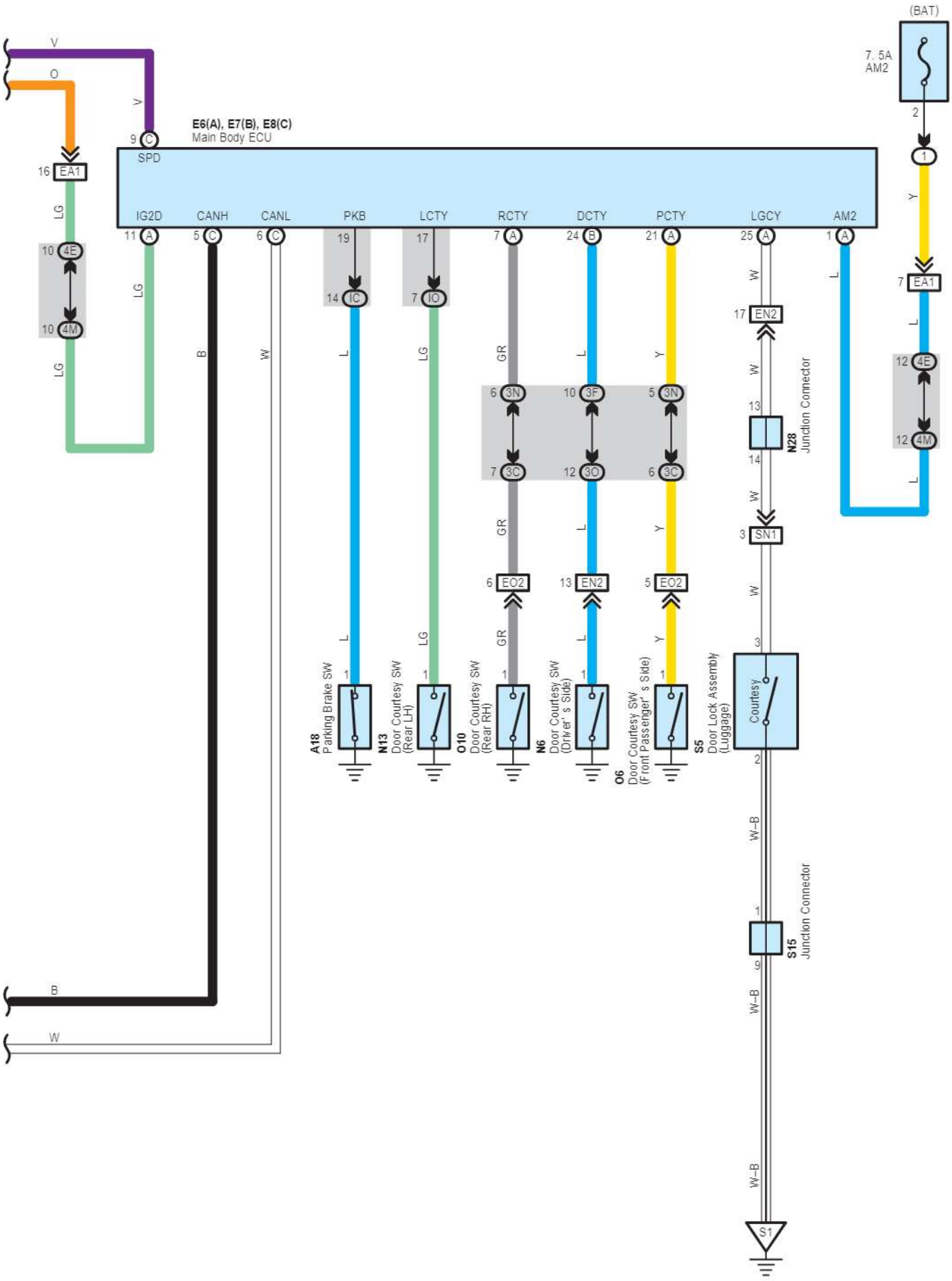



W
B
V
L
E38(A)
A/C Amplifier
TAM
SG–2
5 A
13 A
P
L
7 3M
8 3M
7 3J
9 3K
P
L
13 AE2
10 B
G
A58(A), E40(B)
Junction Connector
9 A
O
1
A2
Ambient Temp. Sensor
2
G
14 AE5
L
V
3 3P
10 3M
10 3B
10 3U
9 3U
10 3O
11 B
SPD
F19(B)
Stereo Component Amplifier
3 H
SPD
F13(H)
Navigation Receiver Assembly
2
SPD
E60
Tire Pressure Warning ECU
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
SP1
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
LBL
CANL
CANH
22 B
28 D
22 D
32 A
22 A
35 B
27 B
31 C
23 C
6 D
18 B
19 B
L
LG
V
R
G
R
L
G
R
LG
W
B
W
B
6
AE6
Speed Sensors
2
A16
Brake Fluid Level Warning SW
1
W–B
A3


W
B
V
L
E38(A)
A/C Amplifier
CANH
CANL
11 A
12 A
F12(G)
Navigation Receiver
Assembly
2 G
3 G
* 2 : w/ Navigation System
* 3 : Shielded
BR
(*2)
(*3)
B
W
20 FE2
18 FE2
19 FE2
3 3U
2 3U
W-B
1 B
7 B
5 B
11 B
A40(A), E41(B)
Junction
Connector
2 A
8 A
3 A
9 A
1 A
7 A
F1


* 3 : Shielded
(BAT)
20A IG2
IG2 Relay
C4 Engine Coolant Temp. Sensor
A61(A), C64(B) Hybrid Vehicle Control ECU
SPDI
THW
ETHW
CANL
CANH
NE+
NE–
#10
C20 Crankshaft Position Sensor
C7 Fuel Injector (No. 1)
A42(B) Junction Connector
E69 Junction Connector
AE6
CA1
CA3
C4
A3
A1
E1


W
B
V
O
V
O
B
W
(+3)
W
B
Y
23 AE2
15 AE2
7 AE2
BR
(+3)
W
B
BR
2 A
1 A
E42(A), E43(B), E44(C)
Junction Connector
2 C
1 C
2 B
1 B
BR
(+3)
W
B
BR
(+3)
W
B
BR
14 FE3
13 FE3
8 FE3
(+3)
W
B
BR
BR
B
BR
W
BR


(BAT)
7. 5A
AM2
E6(A), E7(B), E8(C)
Main Body ECU
SPD
IG2D
CANH
CANL
PKB
LCTY
RCTY
DCTY
PCTY
LGCY
AM2
EA1
4E
4M
EN2
EO2
3N
3F
3C
3O
SN1
N28
Junction Connector
S15
Junction Connector
A18
Parking Brake SW
N13
Door Courtesy SW
(Rear LH)
O10
Door Courtesy SW
(Rear RH)
N6
Door Courtesy SW
(Driver's Side)
O6
Door Courtesy SW
(Front Passenger's Side)
S5
Door Lock Assembly
(Luggage)
Courtesy
S1

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A2	50	C7	51	F1 A	54
A16	50	C20	51	F2 B	54
A18	55	C64 B	51	F12 G	54
A40 A	55	E6 A	52	F13 H	54
A41 A	55	E7 B	52	F16	54
A42 B	55	E8 C	52	F19 B	54
A44	50	E18 A	52	N6	56
A52	50	E38 A	53	N10	56
A58 A	55	E40 B	53	N13	56
A61 A	50	E41 B	53	N28	56
A73 A	55	E42 A	48, 53	O6	56
A74 B	55	E43 B	48, 53	O10	56
A75 C	55	E44 C	48, 53	S5	57
A76 D	55	E60	53	S15	57
C4	51	E69	53	a1 B	55

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3B		
3C		
3D		
3F		
3G		
3J		
3K		
3L		
3M		
3N		
3O		
3P	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3Q		
3S		
3U		
4E	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4M		
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

Combination Meter

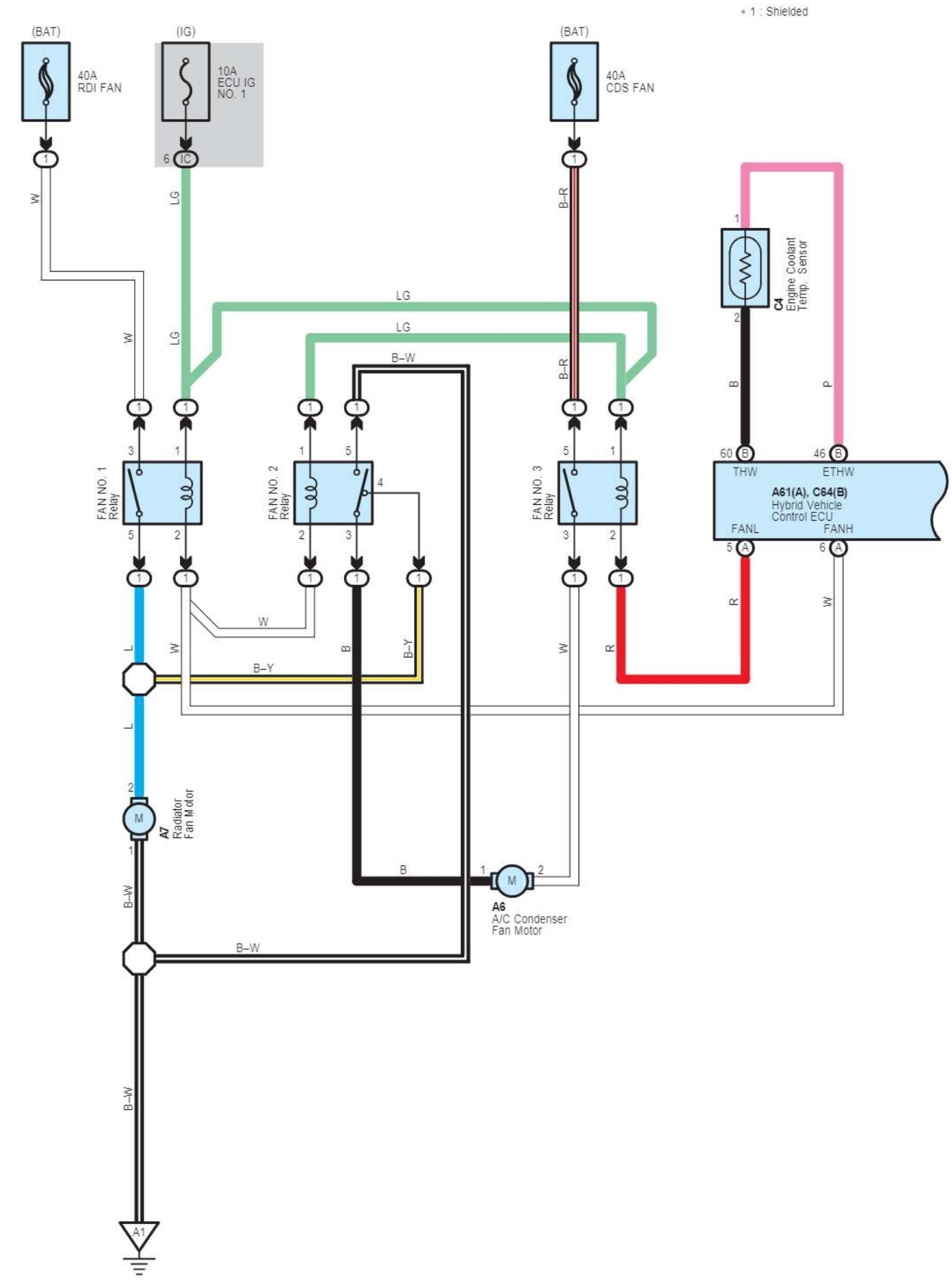
: **Connector Joining Wire Harness and Wire Harness**

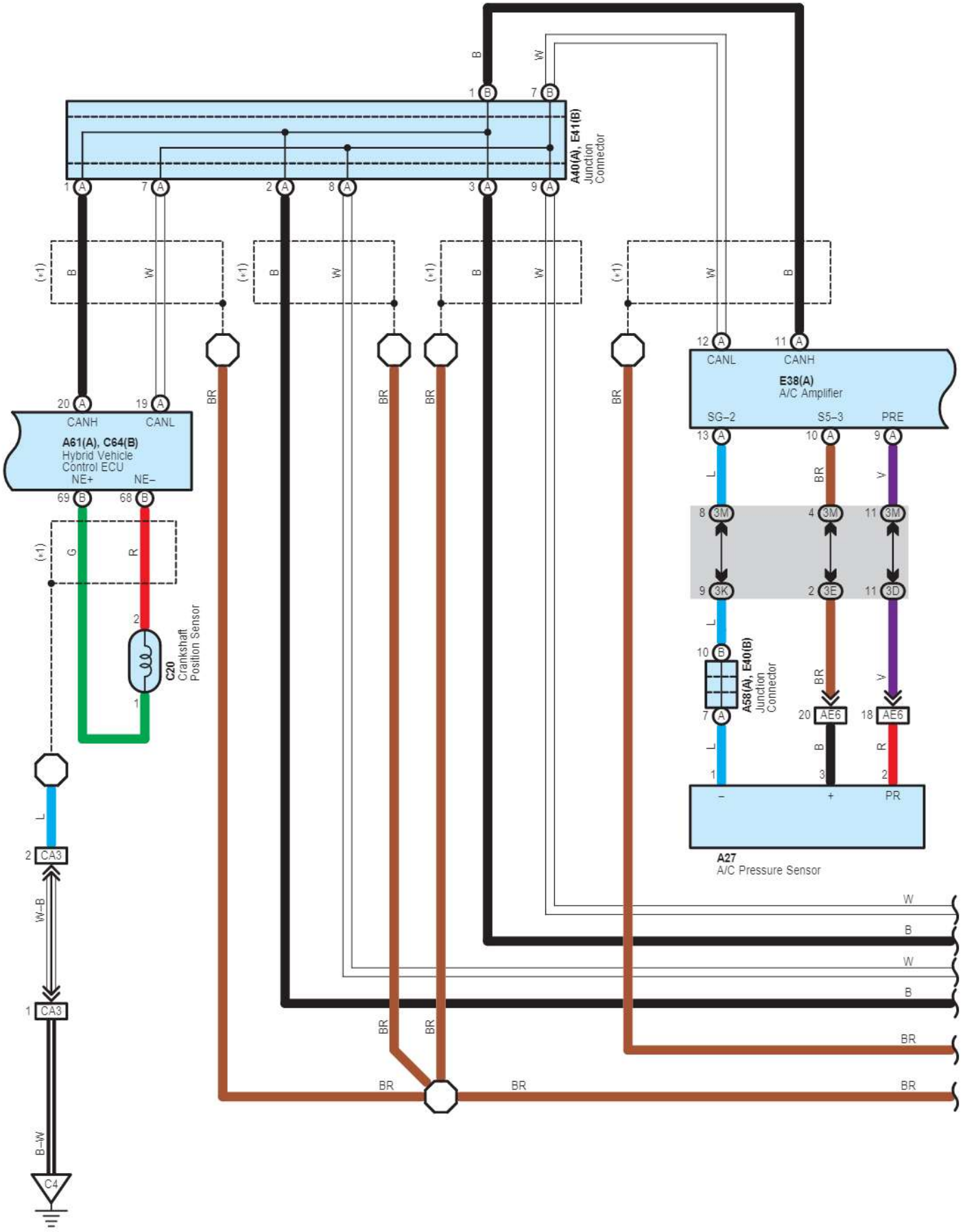
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE5	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
AE6		
CA1	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
CA3		
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
EN2	63	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EO2	63	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
FE2	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
FE3		
SN1	64	Luggage Room Wire and Floor Wire (Luggage Room Left)

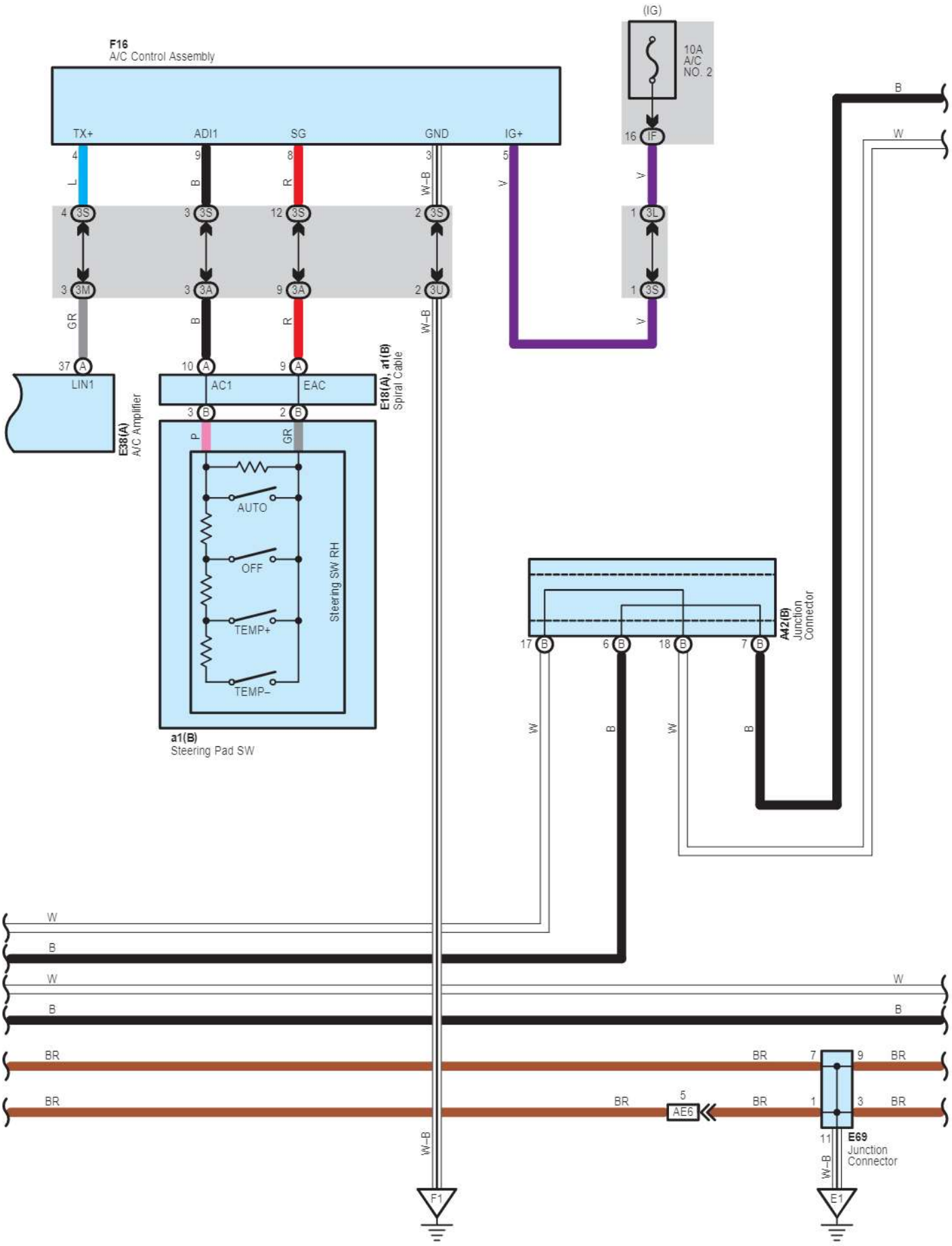
: **Ground Points**

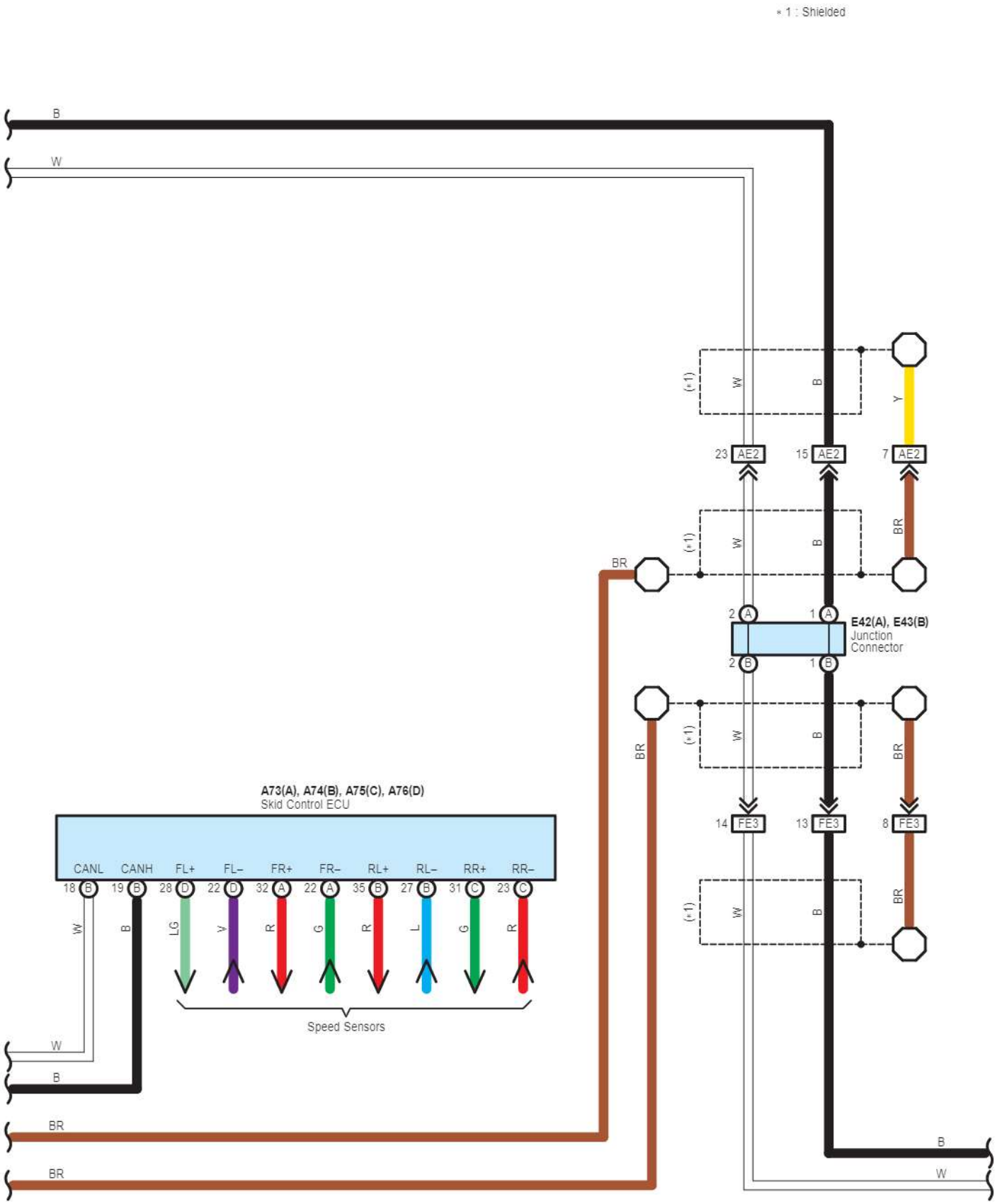
Code	See Page	Ground Points Location
A1	62	Front Left Fender
A3	63	Left Cowl Side Panel
A5	62	Front Right Fender
C4	62	Cylinder Block
C6		
E1	63	Instrument Panel Left
F1		
S1	64	Lower Back Panel Center

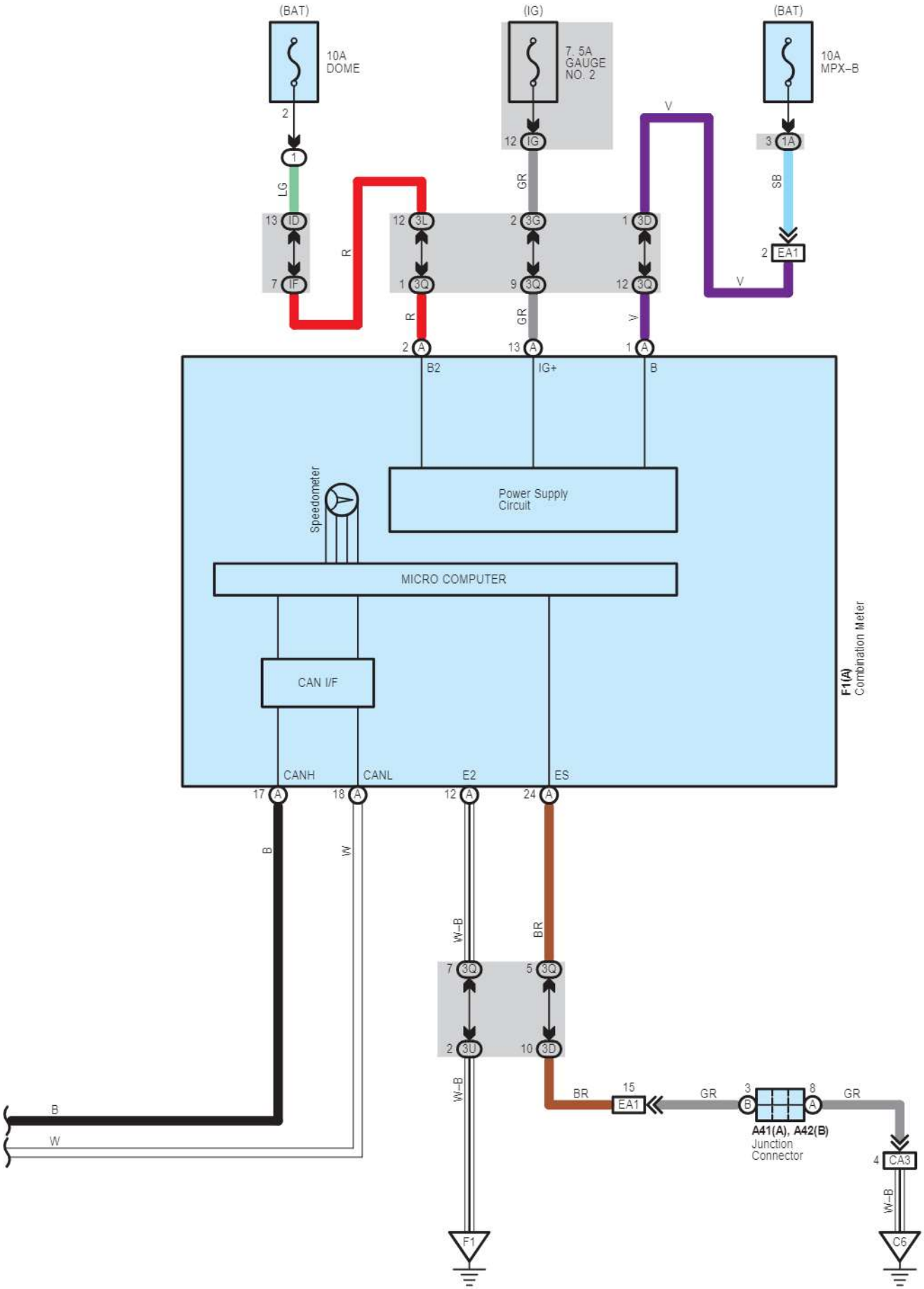
Radiator Fan and Condenser Fan




A40(A), E41(B)
Junction Connector
A61(A), C64(B)
Hybrid Vehicle Control ECU
CANH
CANL
NE+
NE–
C20
Crankshaft Position Sensor
E38(A)
A/C Amplifier
SG–2
S5–3
PRE
A58(A), E40(B)
Junction Connector
A27
A/C Pressure Sensor
CA3
C4


(IG)
10A
A/C
NO. 2
16 IF
F16
A/C Control Assembly
TX+
ADI1
SG
GND
IG+
4 L
9 B
8 R
3 W–B
5 V
4 3S
3 3S
12 3S
2 3S
1 3L
3 3M
3 3A
9 3A
2 3U
1 3S
GR
B
R
W–B
V
37 A
LIN1
10 A
AC1
9 A
EAC
E38(A)
A/C Amplifier
E18(A), a1(B)
Spiral Cable
3 B
2 B
P
GR
AUTO
OFF
TEMP+
TEMP–
Steering SW RH
a1(B)
Steering Pad SW
A42(B)
Junction
Connector
17 B
6 B
18 B
7 B
W
B
BR
5
AE6
7
9
1
3
11
E69
Junction
Connector
F1
E1


* 1 : Shielded
B
W
(*1)
W
B
Y
23 AE2
15 AE2
7 AE2
BR
2 A
1 A
E42(A), E43(B)
Junction
Connector
2 B
1 B
14 FE3
13 FE3
8 FE3
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
CANL
CANH
FL+
FL−
FR+
FR−
RL+
RL−
RR+
RR−
18 B
19 B
28 D
22 D
32 A
22 A
35 B
27 B
31 C
23 C
LG
V
R
G
R
L
G
R
Speed Sensors


(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX–B
LG
R
GR
V
SB
B2
IG+
B
Power Supply
Circuit
Speedometer
MICRO COMPUTER
CAN I/F
CANH
CANL
E2
ES
F1(A)
Combination Meter
W–B
BR
B
W
A41(A), A42(B)
Junction
Connector
F1
C6

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A6		50	A74	B	55	E41	B	53
A7		50	A75	C	55	E42	A	48, 53
A27		50	A76	D	55	E43	B	48, 53
A40	A	55	C4		51	E69		53
A41	A	55	C20		51	F1	A	54
A42	B	55	C64	B	51	F16		54
A58	A	55	E18	A	52	a1	B	55
A61	A	50	E38	A	53			
A73	A	55	E40	B	53			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

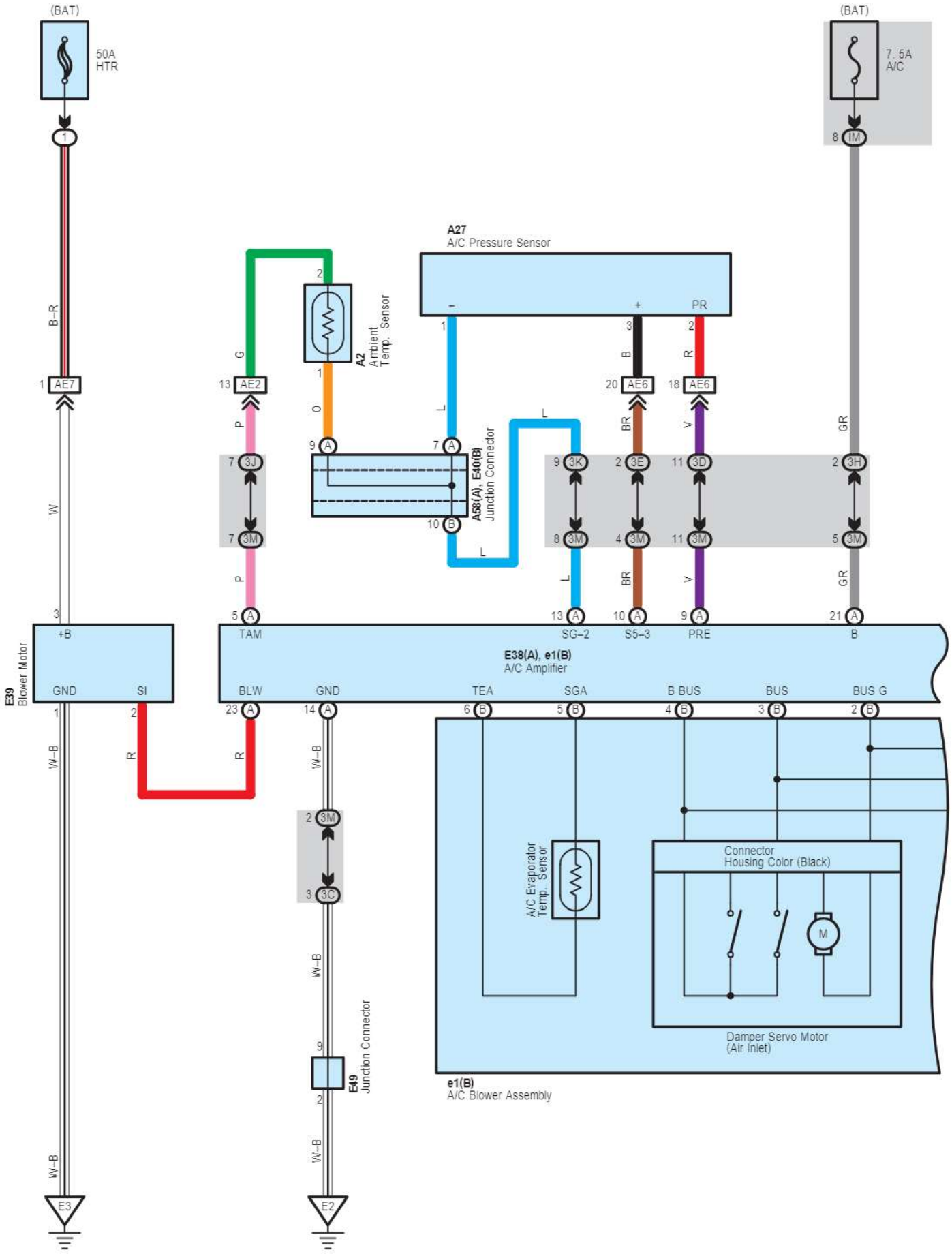
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3D		
3E		
3G		
3K		
3L		
3M		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3S		
3U		
IC	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	

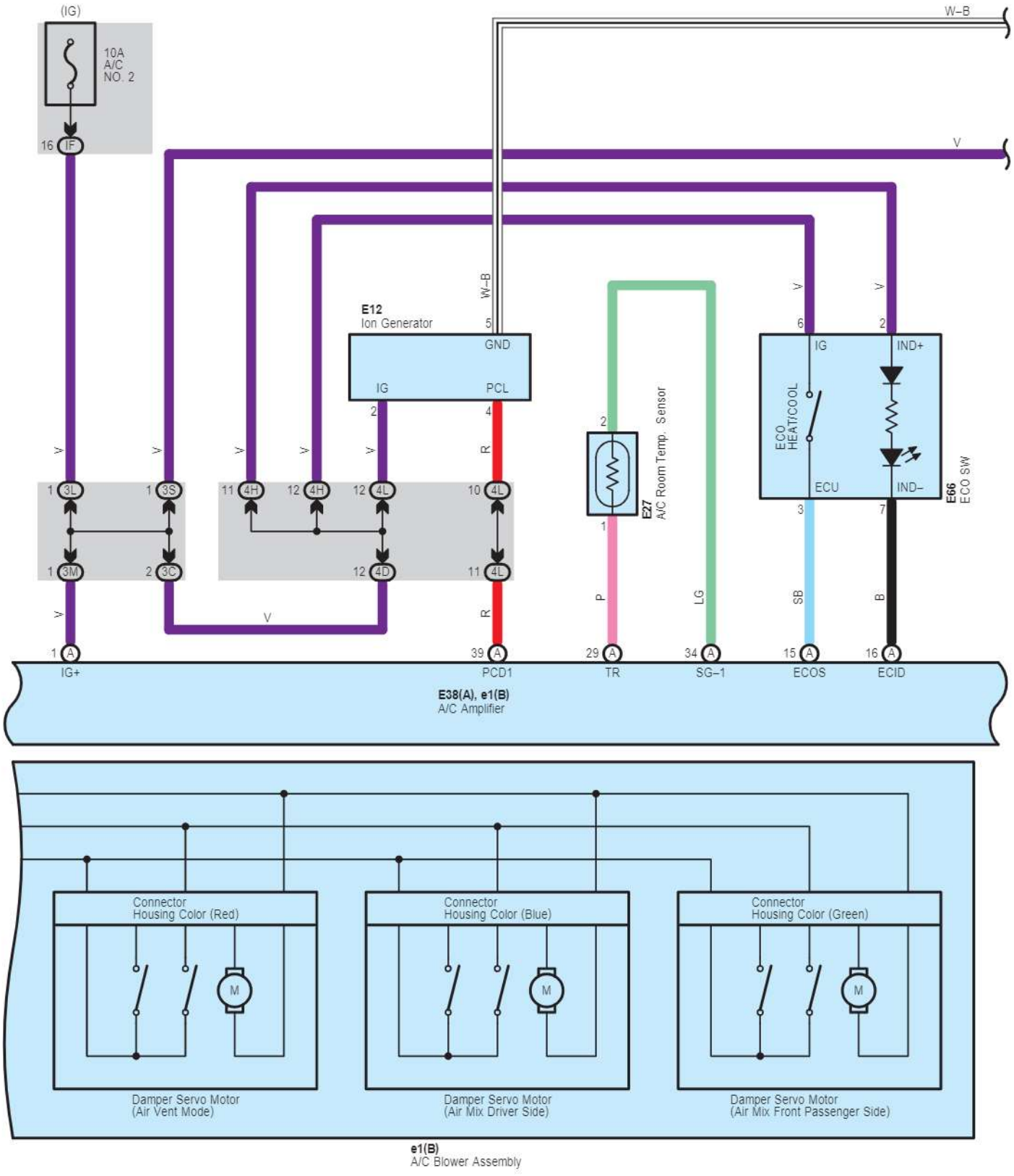
: Connector Joining Wire Harness and Wire Harness

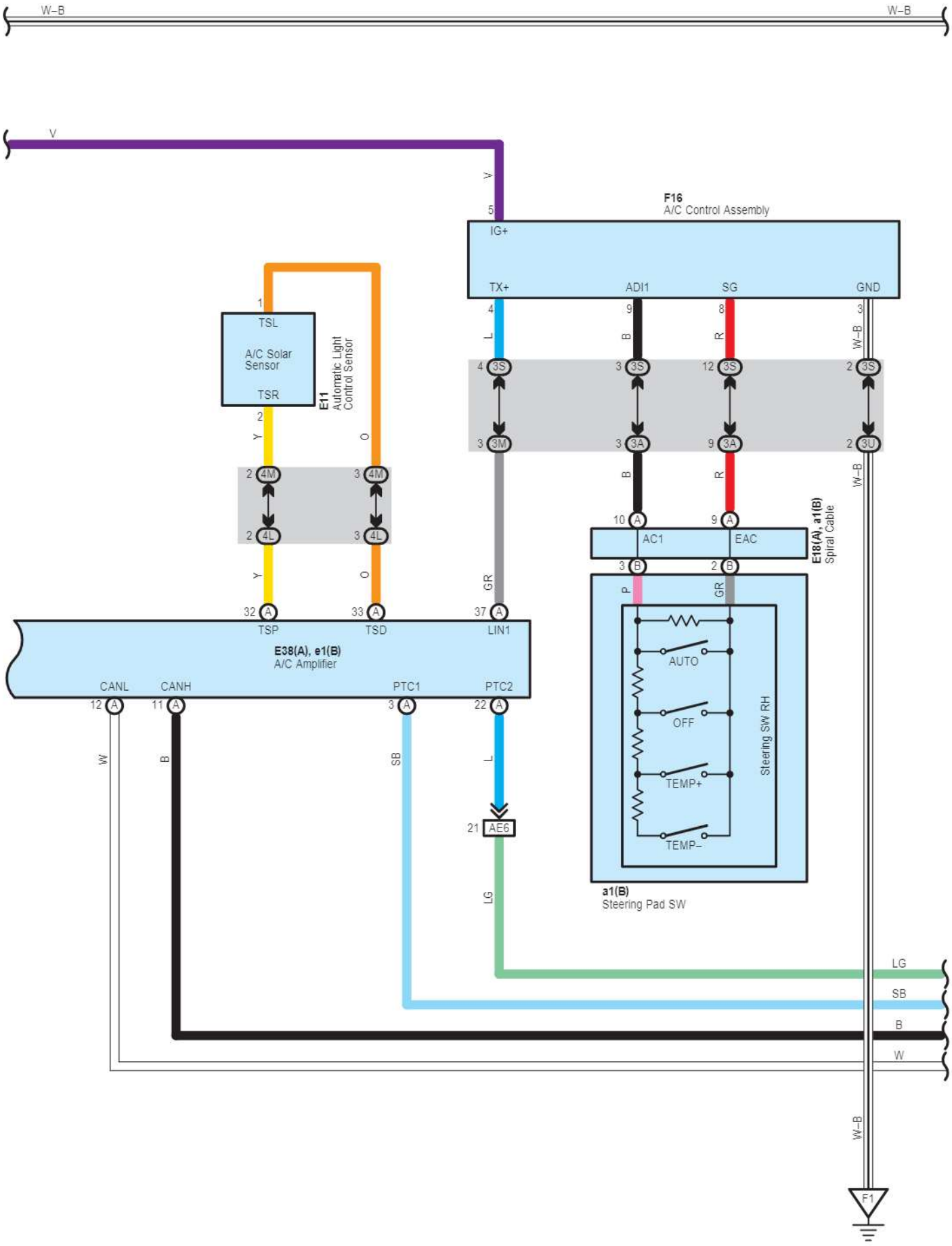
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
CA3	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)

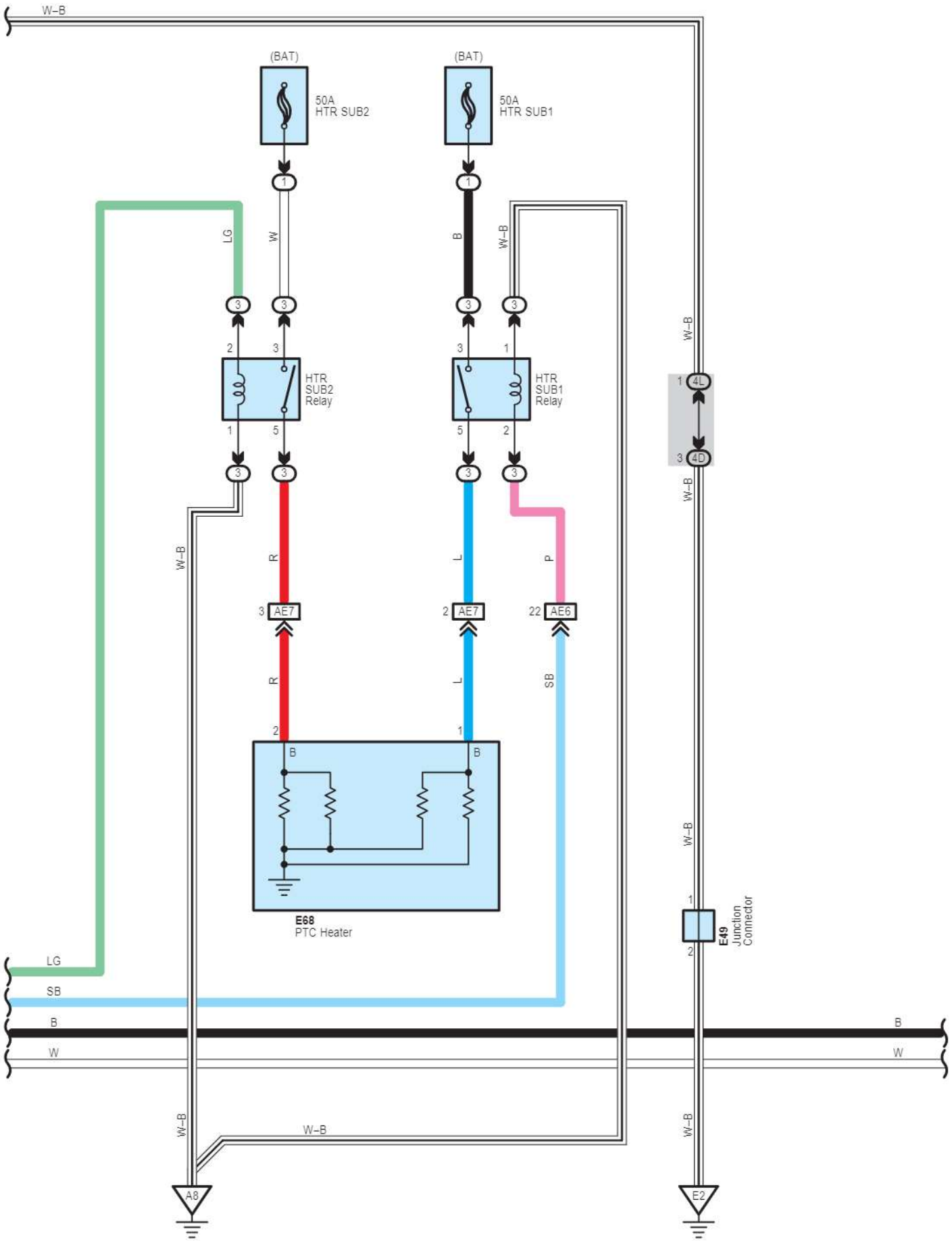
: Ground Points

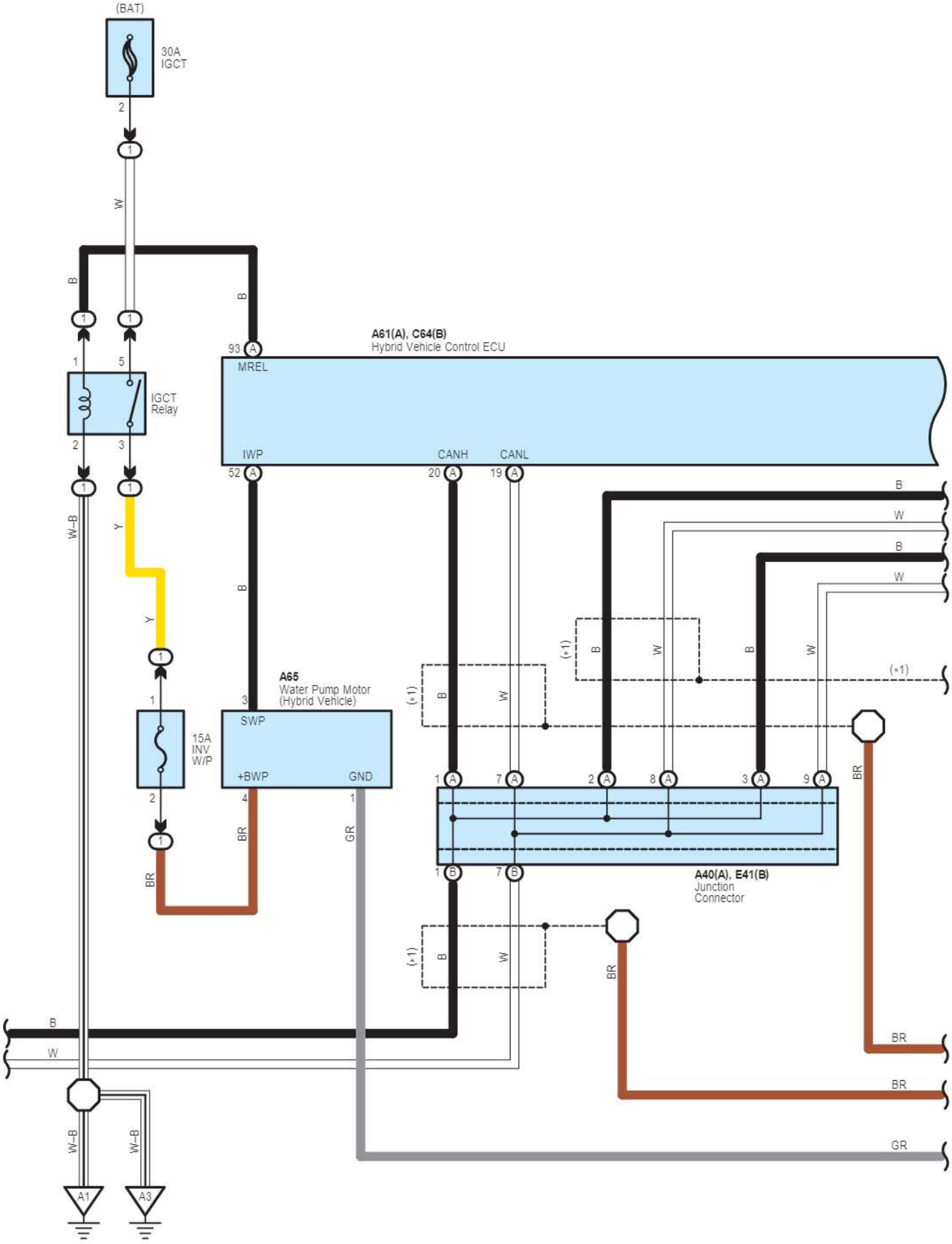
Code	See Page	Ground Points Location
A1	62	Front Left Fender
C4	62	Cylinder Block
C6		
E1	63	Instrument Panel Left
F1		

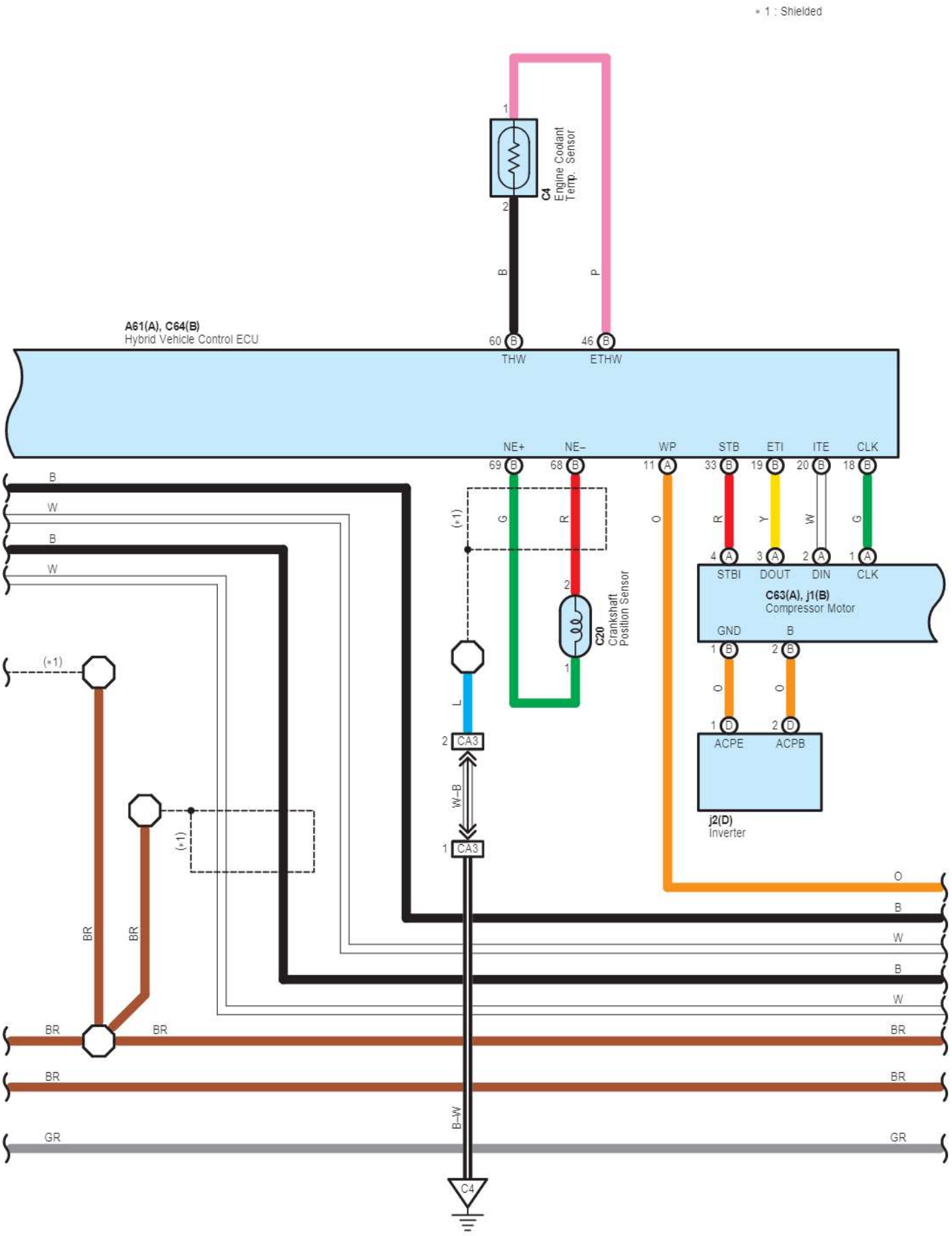

(BAT)
50A
HTR
(BAT)
7.5A
A/C
A27
A/C Pressure Sensor
A2
Ambient
Temp. Sensor
A58(A), E40(B)
Junction Connector
E39
Blower Motor
E38(A), e1(B)
A/C Amplifier
E49
Junction Connector
e1(B)
A/C Blower Assembly
A/C Evaporator
Temp. Sensor
Connector
Housing Color (Black)
Damper Servo Motor
(Air Inlet)
+B
GND
SI
TAM
BLW
GND
SG–2
S5–3
PRE
B
TEA
SGA
B BUS
BUS
BUS G
E3
E2

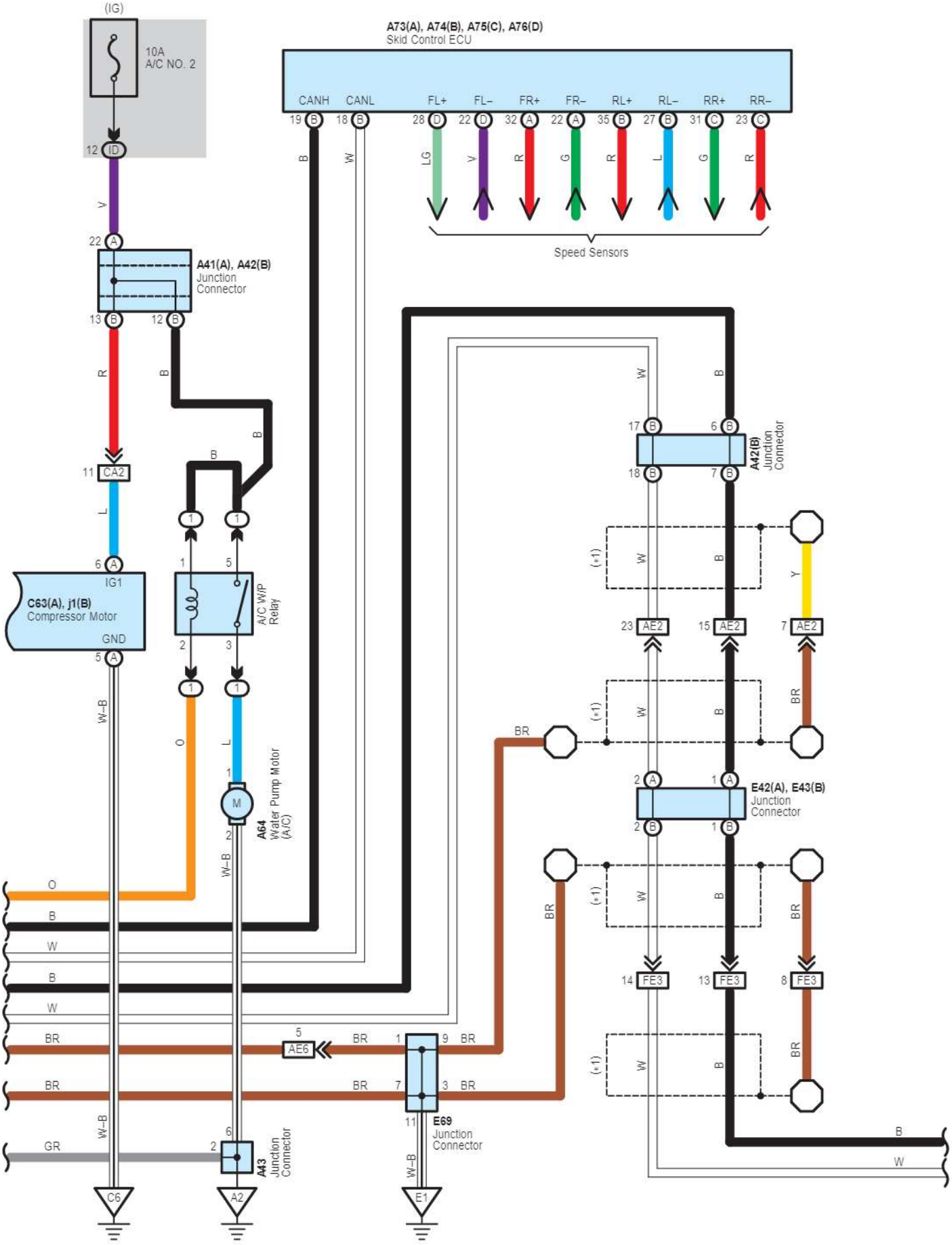

(IG)
10A
A/C
NO. 2
16 IF
W–B
V
E12
Ion Generator
GND
IG
PCL
W–B
5
2
4
R
V
E27
A/C Room Temp. Sensor
2
1
P
LG
6
IG
IND+
ECO
HEAT/COOL
ECU
IND–
3
7
SB
B
E66
ECO SW
1 3L
1 3S
11 4H
12 4H
12 4L
10 4L
1 3M
2 3C
12 4D
11 4L
1 A
IG+
39 A
PCD1
29 A
TR
34 A
SG–1
15 A
ECOS
16 A
ECID
E38(A), e1(B)
A/C Amplifier
Connector
Housing Color (Red)
Connector
Housing Color (Blue)
Connector
Housing Color (Green)
M
Damper Servo Motor
(Air Vent Mode)
Damper Servo Motor
(Air Mix Driver Side)
Damper Servo Motor
(Air Mix Front Passenger Side)
e1(B)
A/C Blower Assembly

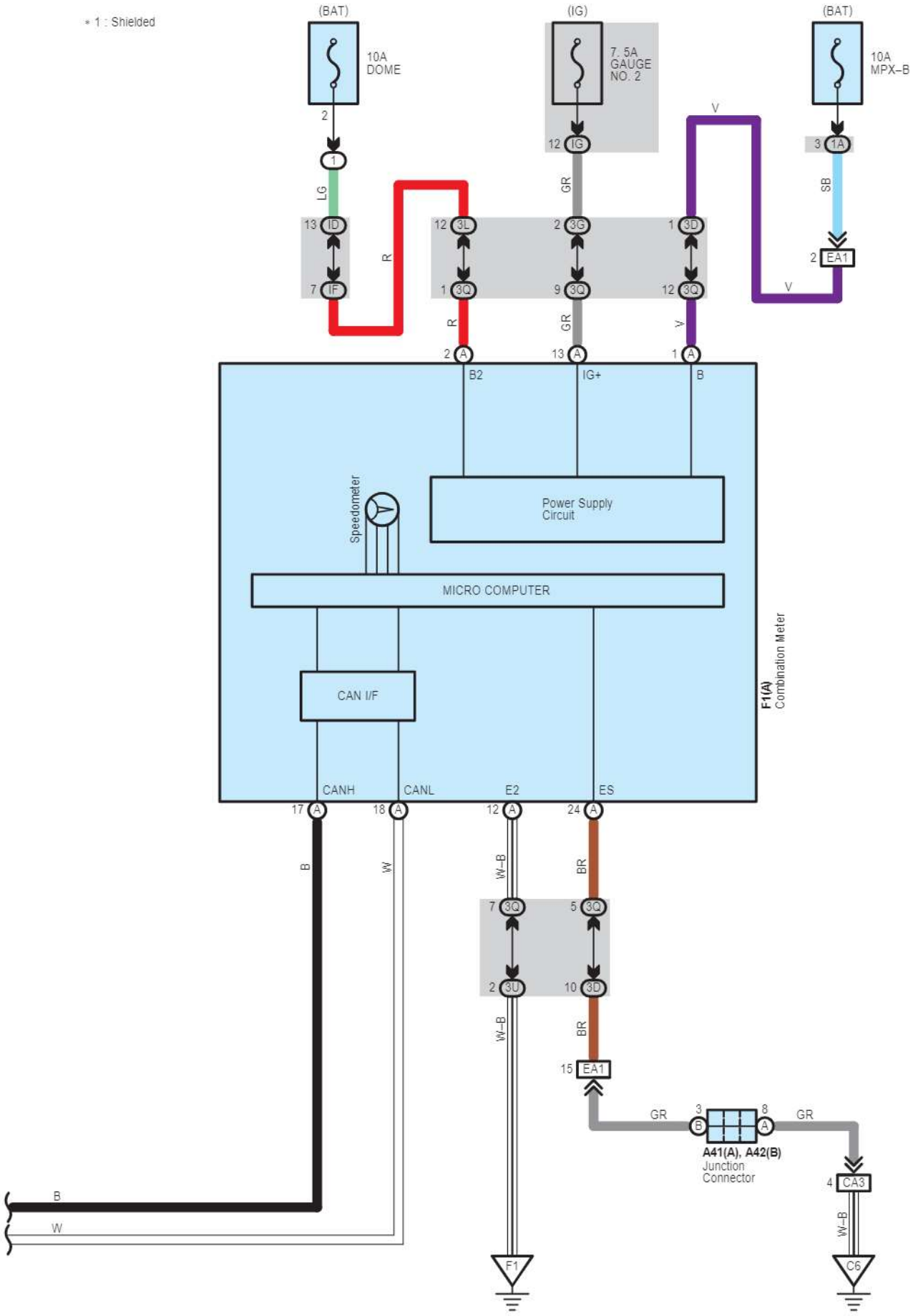

W–B
W–B
V
V
5
F16
A/C Control Assembly
IG+
TX+
ADI1
SG
GND
4
9
8
3
L
B
R
W–B
4 3S
3 3S
12 3S
2 3S
3 3M
3 3A
9 3A
2 3U
B
R
W–B
10 A
9 A
AC1
EAC
E18(A), a1(B)
Spiral Cable
3 B
2 B
P
GR
AUTO
OFF
TEMP+
TEMP–
Steering SW RH
a1(B)
Steering Pad SW
1
TSL
A/C Solar Sensor
TSR
2
E11
Automatic Light Control Sensor
Y
O
2 4M
3 4M
2 4L
3 4L
Y
O
GR
32 A
33 A
37 A
TSP
TSD
LIN1
E38(A), e1(B)
A/C Amplifier
CANL
CANH
PTC1
PTC2
12 A
11 A
3 A
22 A
W
B
SB
L
21 AE6
LG
LG
SB
B
W
W–B
F1


W-B
(BAT)
50A
HTR SUB2
(BAT)
50A
HTR SUB1
LG
W
B
W-B
HTR
SUB2
Relay
HTR
SUB1
Relay
4L
4D
R
L
P
AE7
AE7
AE6
SB
E68
PTC Heater
E49
Junction
Connector
LG
SB
B
W
A8
E2


(BAT)
30A
IGCT
2
1
W
B
B
1
5
IGCT
Relay
2
3
W–B
Y
Y
1
15A
INV
W/P
2
BR
BR
A65
Water Pump Motor
(Hybrid Vehicle)
3
SWP
+BWP
GND
4
1
BR
GR
A61(A), C64(B)
Hybrid Vehicle Control ECU
93 A
MREL
IWP
52 A
CANH
20 A
CANL
19 A
B
W
B
W
(*1)
B
W
B
W
(*1)
(*1)
B
W
(*1)
B
W
1 A
7 A
2 A
8 A
3 A
9 A
1 B
7 B
A40(A), E41(B)
Junction
Connector
BR
BR
BR
BR
GR
B
W
W–B
W–B
A1
A3


* 1 : Shielded
C4
Engine Coolant Temp. Sensor
A61(A), C64(B)
Hybrid Vehicle Control ECU
THW
ETHW
NE+
NE–
WP
STB
ETI
ITE
CLK
C20
Crankshaft Position Sensor
C63(A), j1(B)
Compressor Motor
STBI
DOUT
DIN
GND
ACPE
ACPB
j2(D)
Inverter
CA3
W–B
B–W
C4


(IG)
10A
A/C NO. 2
12 ID
V
22 A
A41(A), A42(B)
Junction
Connector
13 B
12 B
R
B
11 CA2
L
6 A
IG1
C63(A), j1(B)
Compressor Motor
GND
5 A
W-B
A/C W/P
Relay
1
5
2
3
O
L
M
A64
Water Pump Motor
(A/C)
2
W-B
A73(A), A74(B), A75(C), A76(D)
Skid Control ECU
CANH
CANL
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
19 B
18 B
28 D
22 D
32 A
22 A
35 B
27 B
31 C
23 C
LG
V
R
G
R
L
G
R
Speed Sensors
A42(B)
Junction
Connector
17 B
6 B
18 B
7 B
W
B
Y
(+1)
23 AE2
15 AE2
7 AE2
BR
2 A
1 A
E42(A), E43(B)
Junction
Connector
2 B
1 B
14 FE3
13 FE3
8 FE3
O
B
W
B
W
BR
5
AE6
1
9 BR
7
3 BR
11
E69
Junction
Connector
GR
6
2
A43
Junction
Connector
C6
A2
E1


* 1 : Shielded
(BAT)
10A
DOME
(IG)
7. 5A
GAUGE
NO. 2
(BAT)
10A
MPX-B
LG
R
GR
V
SB
B2
IG+
B
Power Supply
Circuit
Speedometer
MICRO COMPUTER
CAN I/F
F1(A)
Combination Meter
CANH
CANL
E2
ES
B
W
W-B
BR
A41(A), A42(B)
Junction
Connector
F1
C6

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A2	50	A76 D	55	E42 A	48, 53
A27	50	C4	51	E43 B	48, 53
A40 A	55	C20	51	E49	53
A41 A	55	C63 A	51	E66	53
A42 B	55	C64 B	51	E68	53
A43	50	E11	52	E69	53
A58 A	55	E12	52	F1 A	54
A61 A	50	E18 A	52	F16	54
A64	50	E27	52	a1 B	55
A65	50	E38 A	53	e1 B	55
A73 A	55	E39	53	j1 B	51
A74 B	55	E40 B	53	j2 D	51
A75 C	55	E41 B	53		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)
3	22	Engine Room R/B No.3 (Engine Compartment Right)

▭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3C		
3D		
3E		
3G		
3H		
3J		
3K		
3L		
3M		
3Q	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3S		
3U		
4D	42	Instrument Panel Wire and J/B No.4 (Instrument Panel Brace Center)
4H		
4L		
4M		
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IG	31	
IM	30	

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	63	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	63	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
AE7		
CA2	62	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B and Engine Room J/B)
CA3		
EA1	63	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
FE3	63	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)

: **Ground Points**

Code	See Page	Ground Points Location
A1	62	Front Left Fender
A2		
A3	63	Left Cowl Side Panel
A8	62	Near the Brake Actuator
C4	62	Cylinder Block
C6		
E1	63	Instrument Panel Left
E2	63	Instrument Panel Brace LH
E3	63	Instrument Panel Right
F1	63	Instrument Panel Left

2007 CAMRY Hybrid Vehicle ELECTRICAL WIRING DIAGRAM SYSTEM CIRCUITS

	Page
Air Conditioning	316
Audio System (w/ Navigation System)	282
Audio System (w/o Navigation System)	292
Automatic Glare–Resistant EC Mirror	272
Automatic Light Control	148
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Clock	194
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EPS	234
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Garage Door Opener	270
Headlight	142
Horn	196
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* Cruise Control	
* Engine Control	
* Shift Control System	
Ignition	96
Illumination	162
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Light Auto Turn Off System	148
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Navigation System	282
Power Outlet	192
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