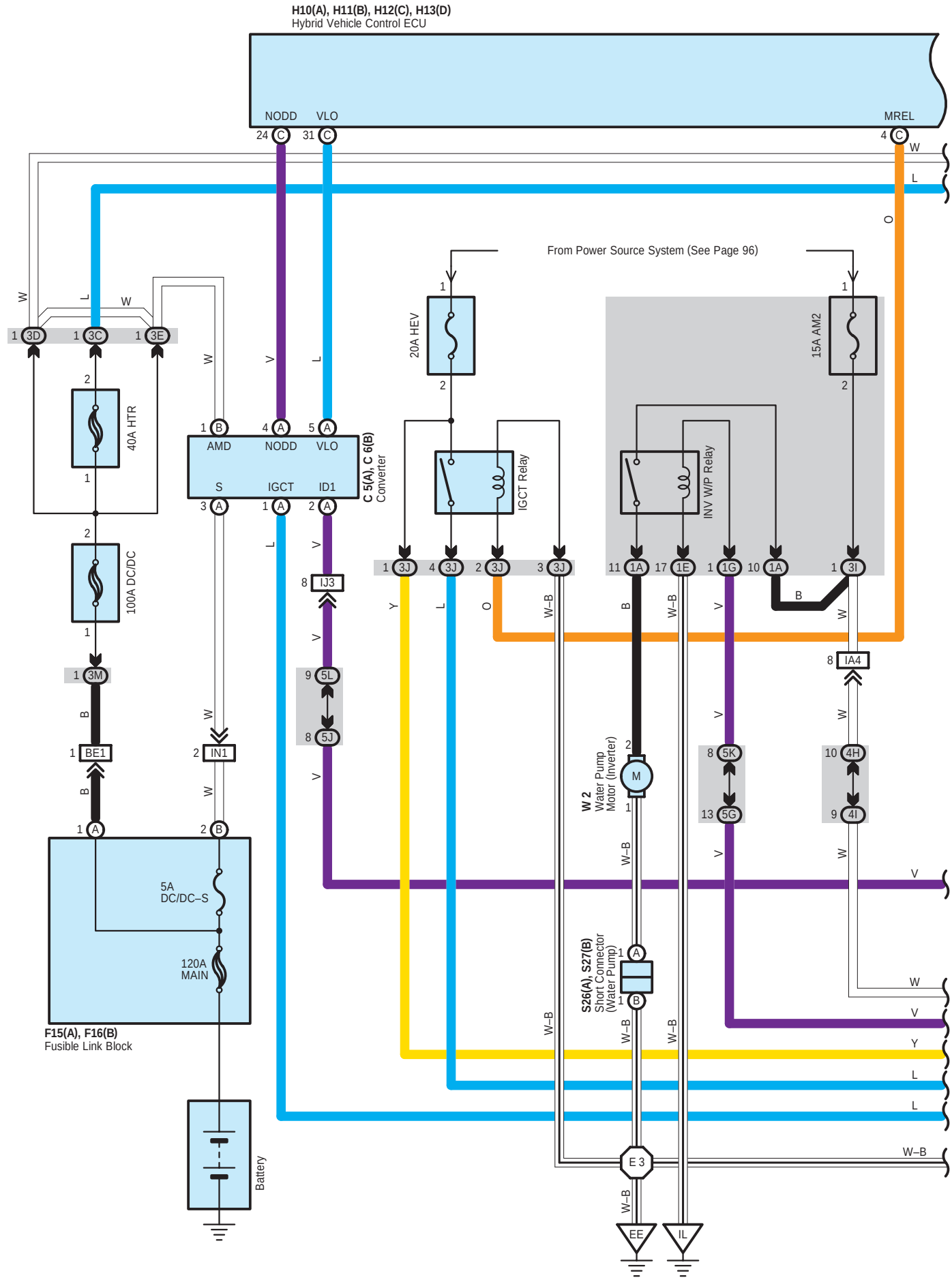
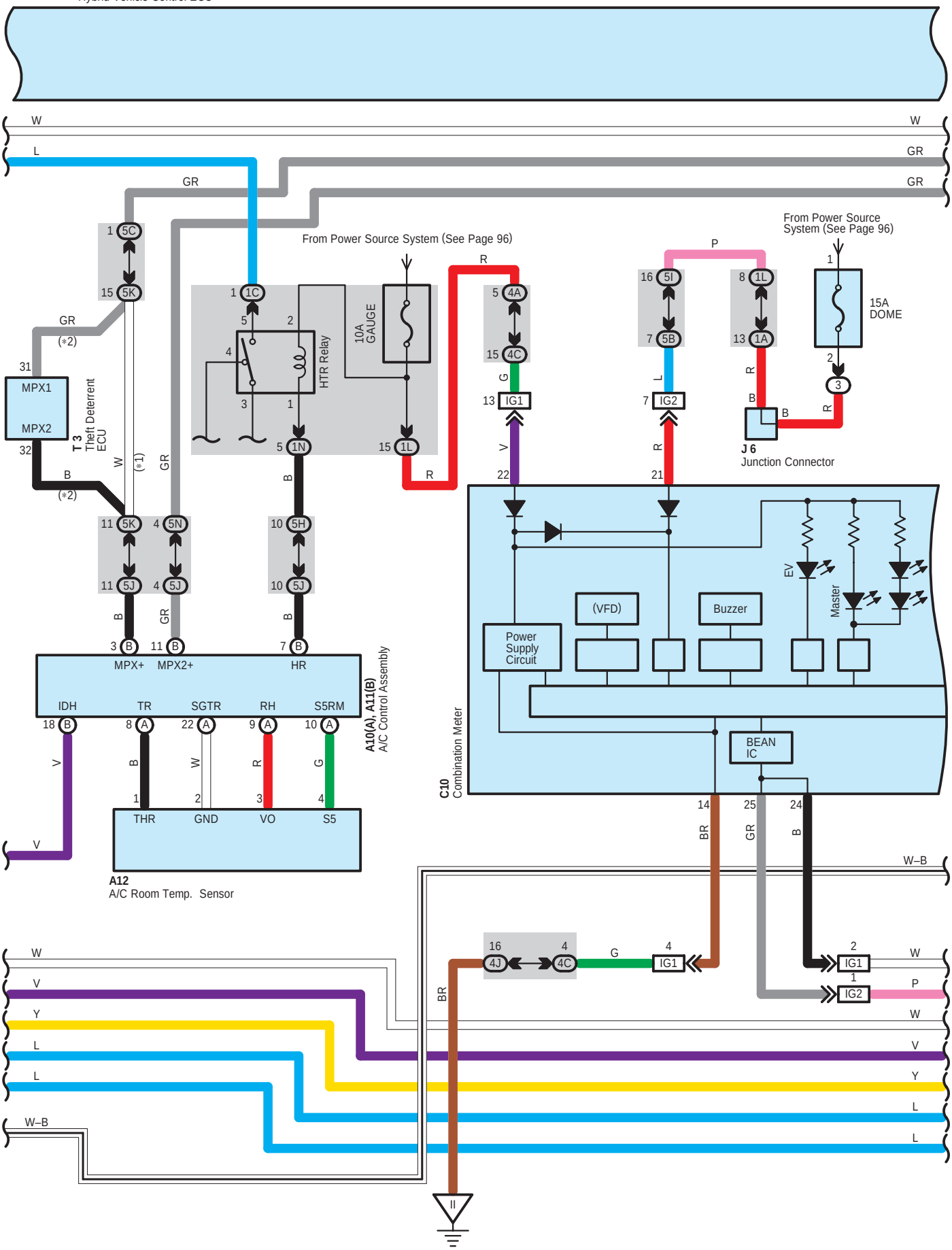
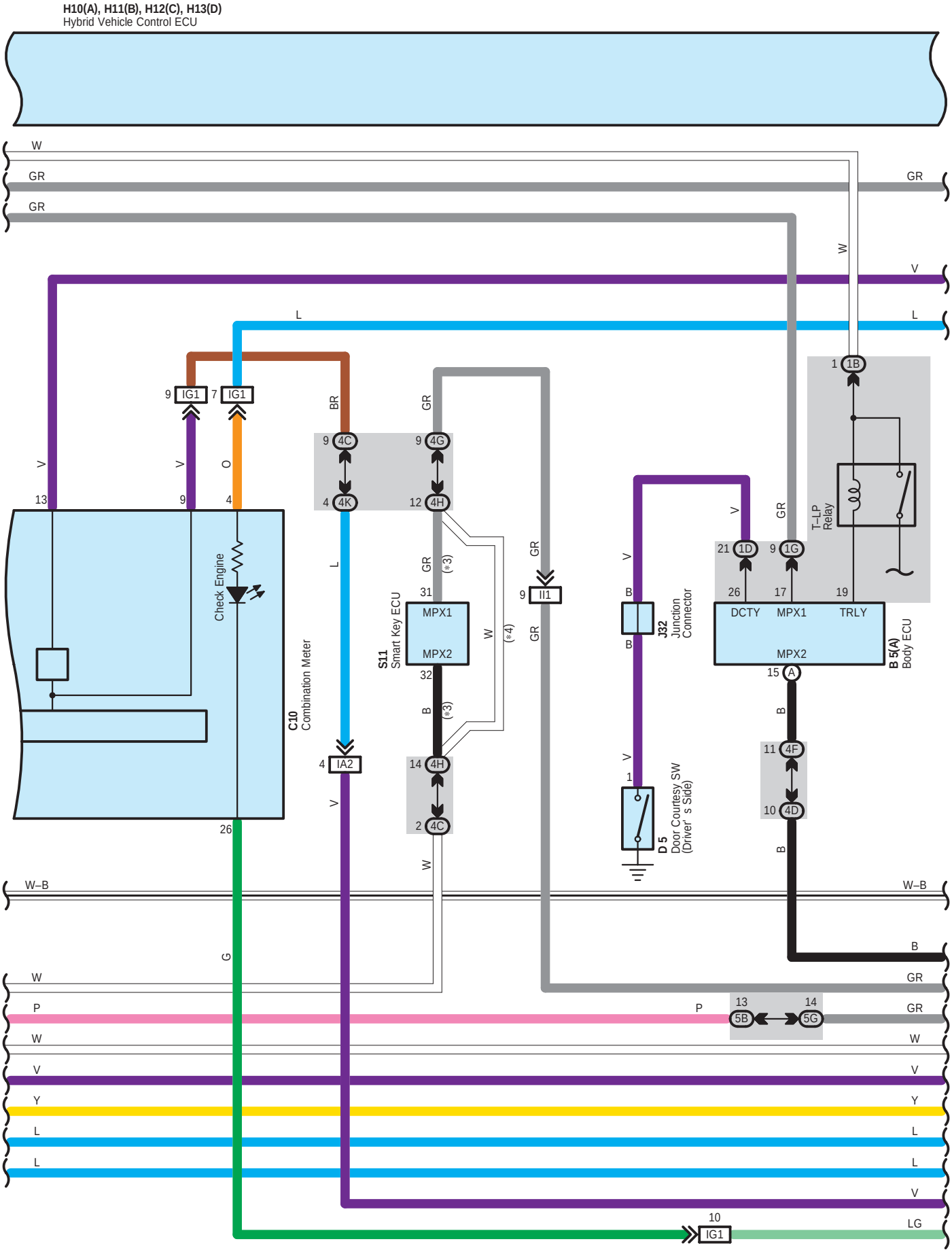
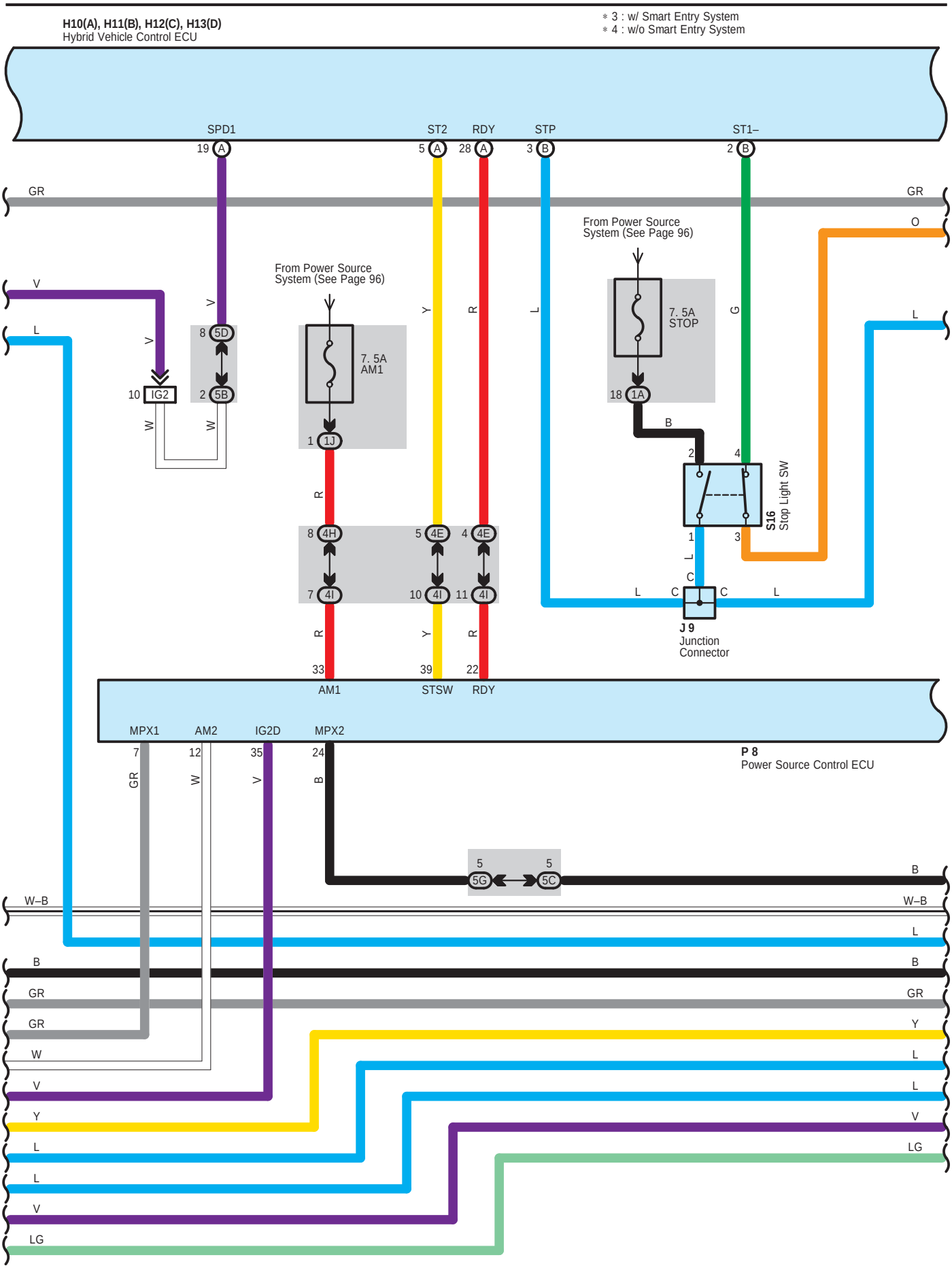

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
NODD
VLO
MREL
24 C
31 C
4 C
From Power Source System (See Page 96)
1 3D
1 3C
1 3E
40A HTR
100A DC/DC
1 3M
1 BE1
2 IN1
1 A
2 B
5A
DC/DC–S
120A
MAIN
F15(A), F16(B)
Fusible Link Block
Battery
1 B
4 A
5 A
AMD
NODD
VLO
S
IGCT
ID1
3 A
1 A
2 A
C 5(A), C 6(B)
Converter
8 IJ3
9 5L
8 5J
20A HEV
IGCT Relay
15A AM2
INV W/P Relay
1 3J
4 3J
2 3J
3 3J
11 1A
17 1E
1 1G
10 1A
1 3I
8 IA4
W 2
Water Pump
Motor (Inverter)
2
M
1
8 5K
13 5G
10 4H
9 4I
S26(A), S27(B)
Short Connector
(Water Pump)
1 A
1 B
E 3
EE
IL
W
L
O
V
Y
B
W–B

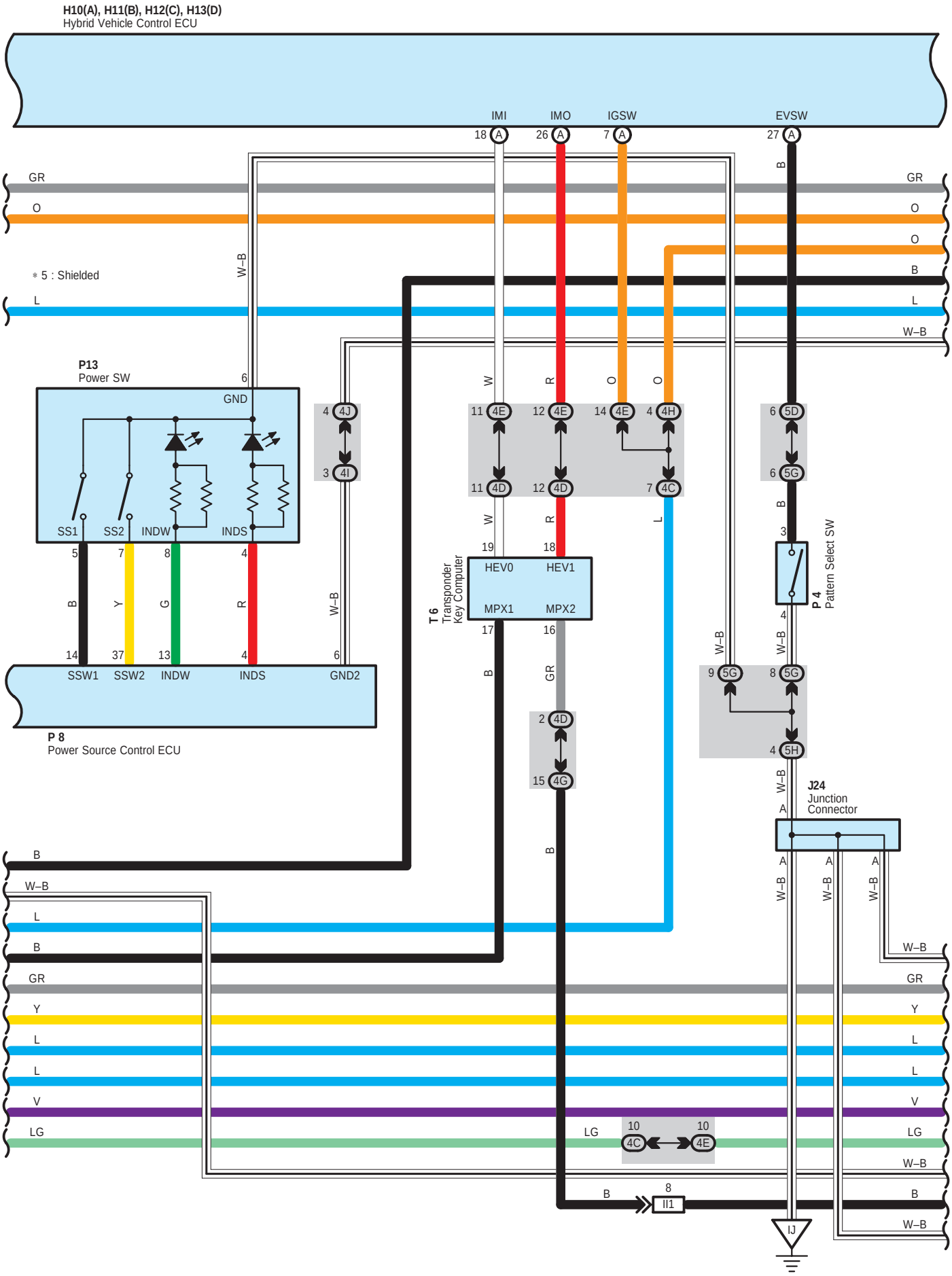
H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU

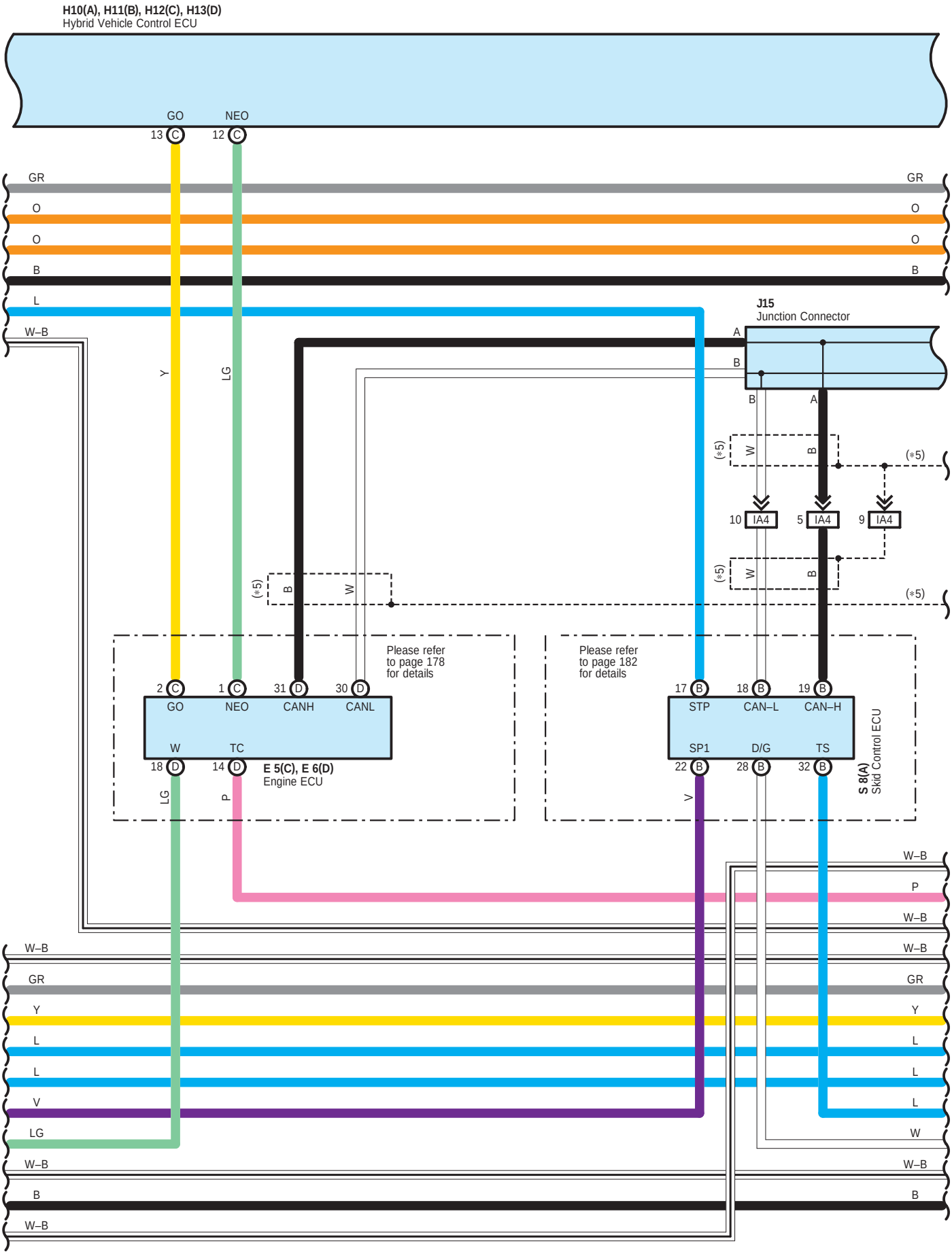
＊1 : Australia, Singapore, Hong Kong
＊2 : Except Australia, Singapore, Hong Kong

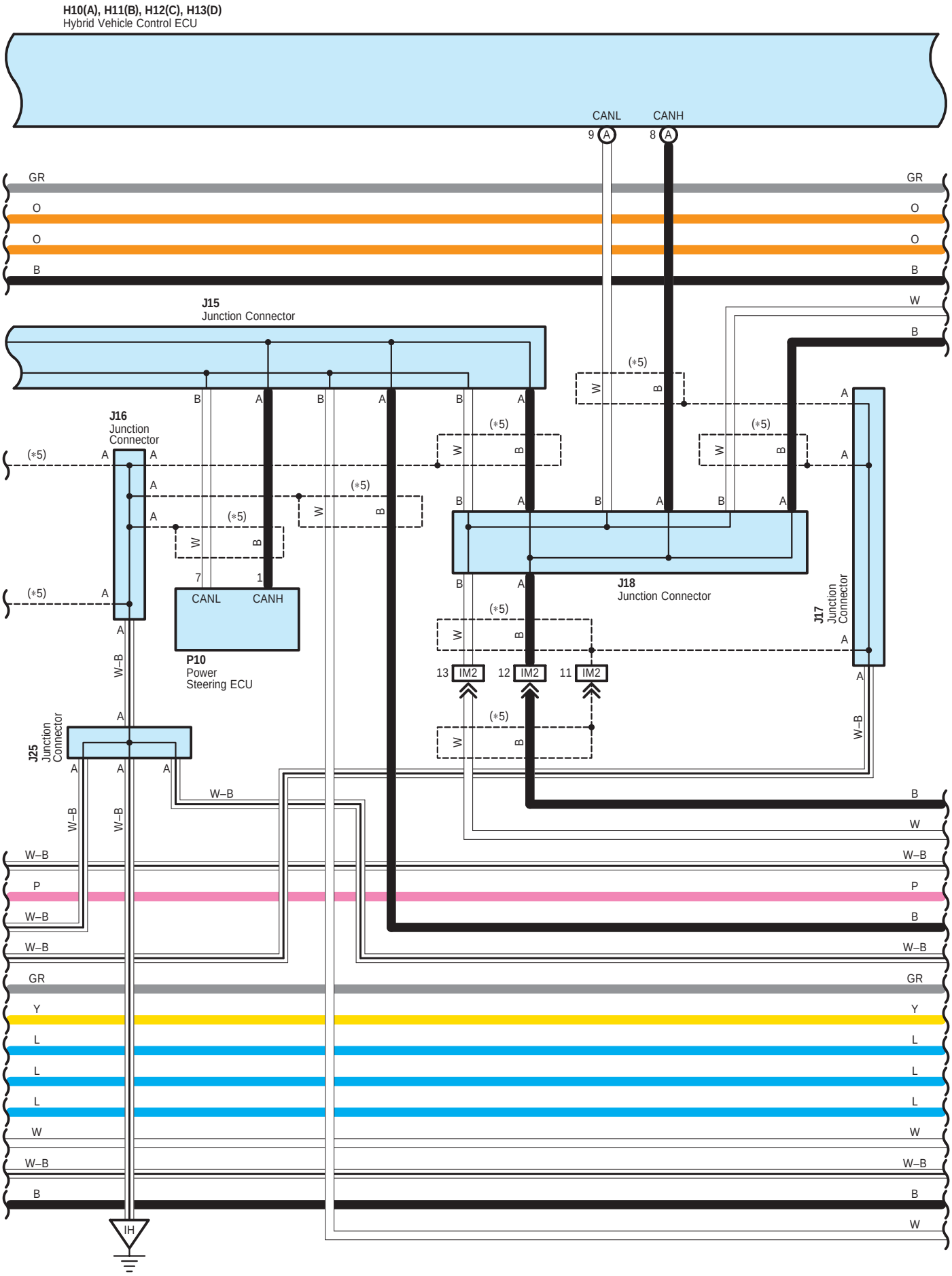



H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
W
GR
GR
GR
W
V
L
L
9 IG1
7 IG1
BR
GR
9 4C
4 4K
9 4G
12 4H
V
V
O
13
9
4
Check Engine
C10
Combination Meter
L
GR
(*3)
31
MPX1
MPX2
S11
Smart Key ECU
32
B
(*3)
W
(*4)
GR
9 II1
GR
4 IA2
V
14 4H
2 4C
W
26
V
B
B
J32
Junction
Connector
V
1
D 5
Door Courtesy SW
(Driver' s Side)
V
GR
21 1D
9 1G
26
17
19
DCTY
MPX1
TRLY
MPX2
B 5(A)
Body ECU
15 A
B
11 4F
10 4D
B
1 1B
T-LP
Relay
W–B
W–B
B
G
W
GR
P
P
13 5B
14 5G
GR
W
W
V
V
Y
Y
L
L
L
L
V
10
IG1
LG

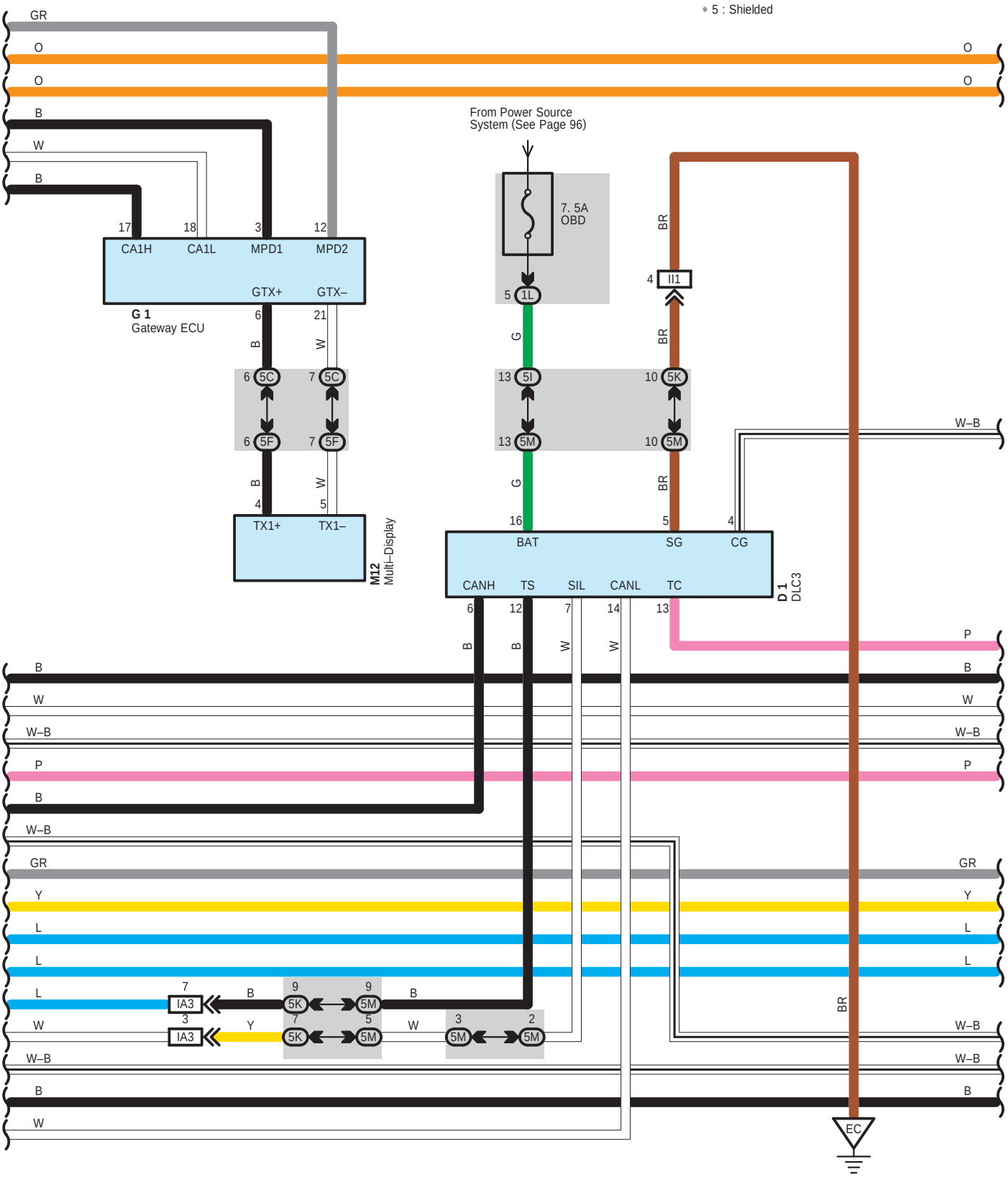

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
* 3 : w/ Smart Entry System
* 4 : w/o Smart Entry System
SPD1
ST2
RDY
STP
ST1–
From Power Source System (See Page 96)
7. 5A AM1
7. 5A STOP
S16 Stop Light SW
J 9 Junction Connector
P 8 Power Source Control ECU
AM1
STSW
RDY
MPX1
AM2
IG2D
MPX2
IG2

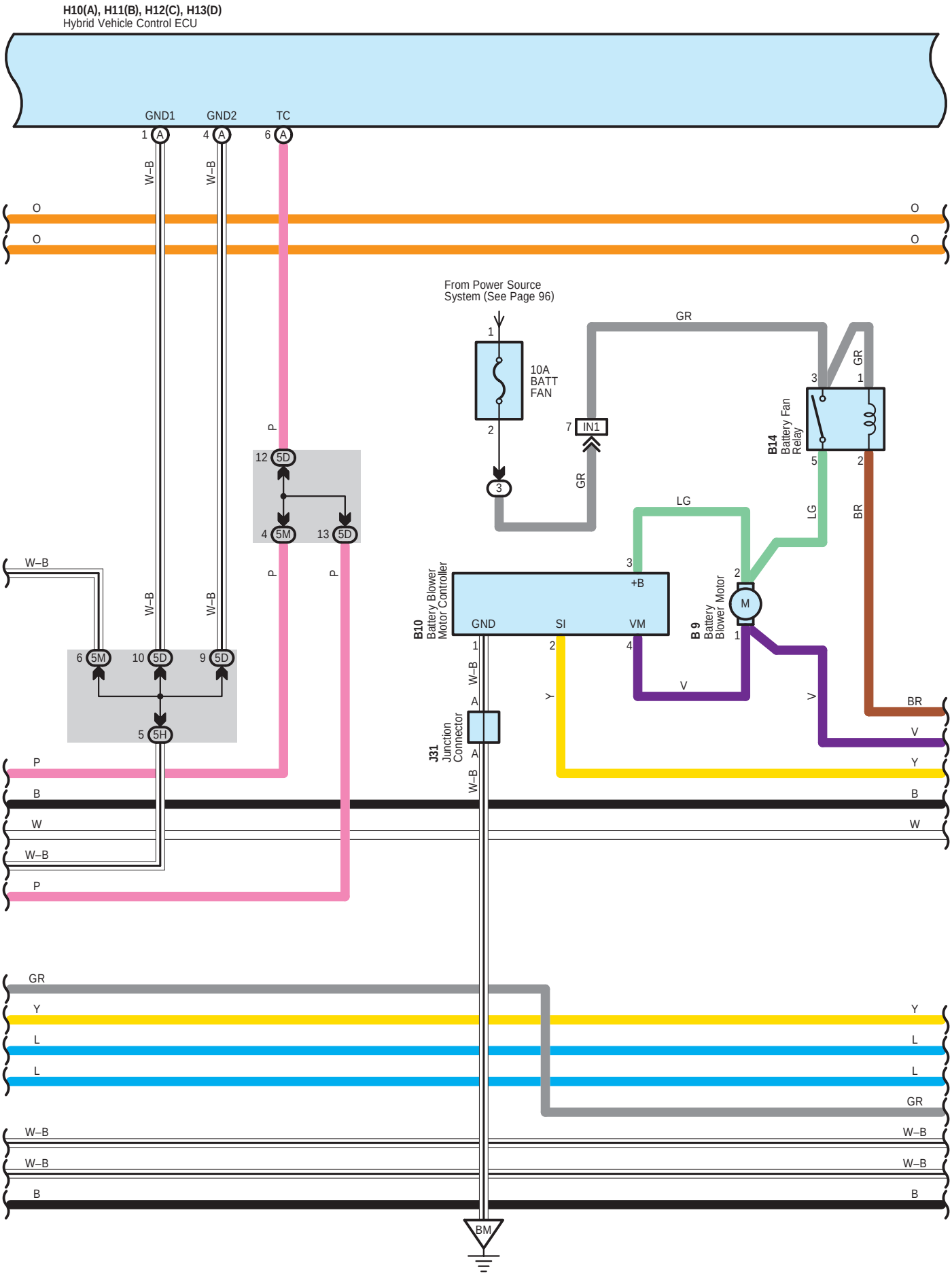

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
IMI
IMO
IGSW
EVSW
18 A
26 A
7 A
27 A
GR
O
W–B
* 5 : Shielded
L
P13
Power SW
GND
SS1
SS2
INDW
INDS
SSW1
SSW2
INDW
INDS
GND2
P 8
Power Source Control ECU
T6
Transponder Key Computer
HEV0
HEV1
MPX1
MPX2
P 4
Pattern Select SW
J24
Junction Connector
W
R
O
B
Y
G
LG
V
GR
10 4C
10 4E
8 II1
IJ

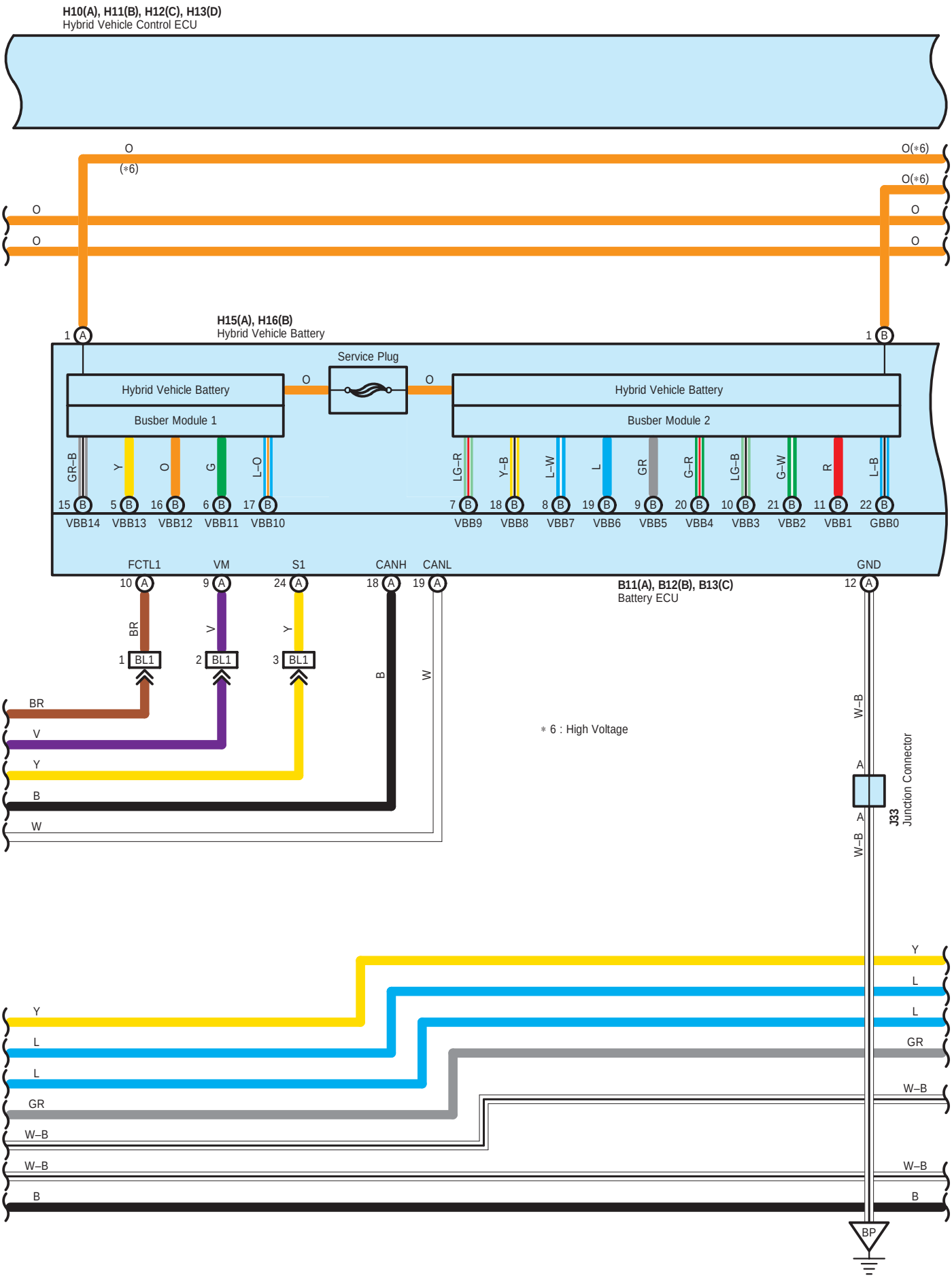

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
GO
NEO
13 C
12 C
GR
O
O
B
L
W–B
Y
LG
J15
Junction Connector
A
B
B
A
(*5)
W
B
10 IA4
5 IA4
9 IA4
Please refer to page 178 for details
Please refer to page 182 for details
2 C
1 C
31 D
30 D
GO
NEO
CANH
CANL
W
TC
18 D
14 D
E 5(C), E 6(D)
Engine ECU
LG
P
17 B
18 B
19 B
STP
CAN–L
CAN–H
SP1
D/G
TS
22 B
28 B
32 B
S 8(A)
Skid Control ECU
V
W–B
P
GR
Y
L
V
LG
W
B

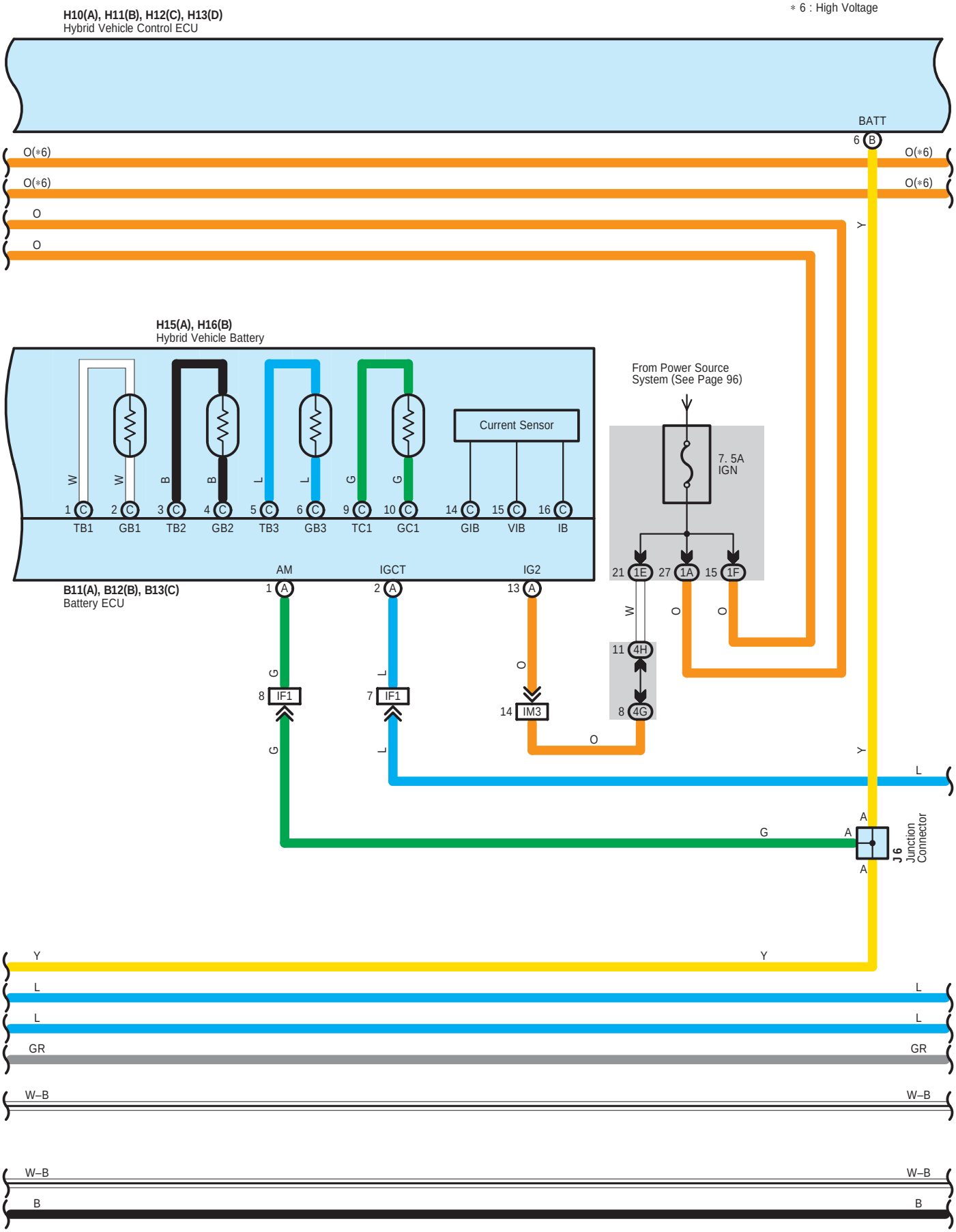

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
CANL
CANH
9 A
8 A
GR
O
O
B
J15
Junction Connector
W
B
(*5)
J16
Junction
Connector
J18
Junction Connector
J17
Junction
Connector
P10
Power
Steering ECU
CANL
CANH
IM2
13
12
11
J25
Junction
Connector
W–B
P
Y
L
W
IH

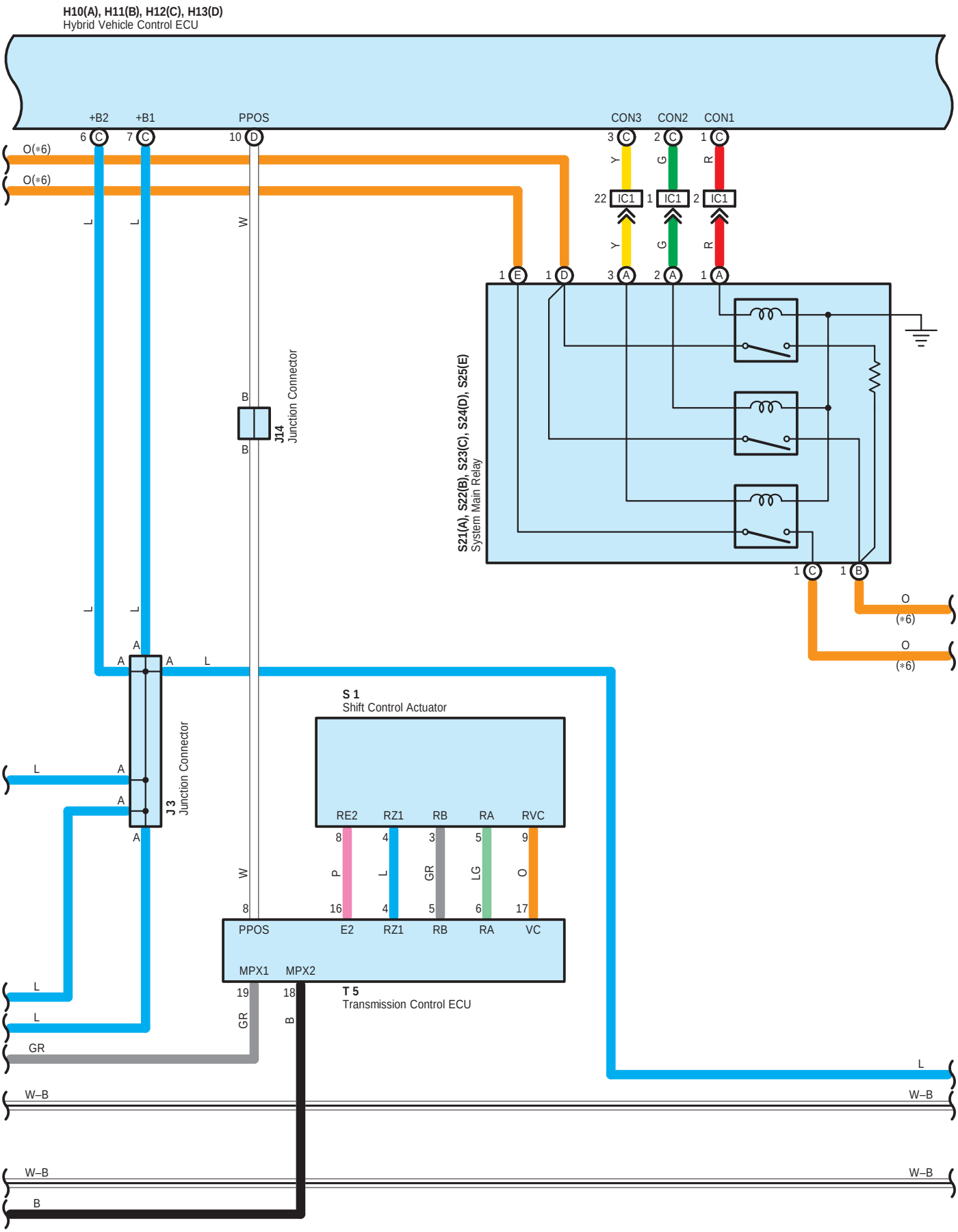
H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU




H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
GND1
GND2
TC
From Power Source System (See Page 96)
10A BATT FAN
IN1
B14 Battery Fan Relay
B10 Battery Blower Motor Controller
GND
SI
VM
+B
B 9 Battery Blower Motor
J31 Junction Connector
BM
W–B
O
P
B
W
GR
Y
L
LG
BR
V

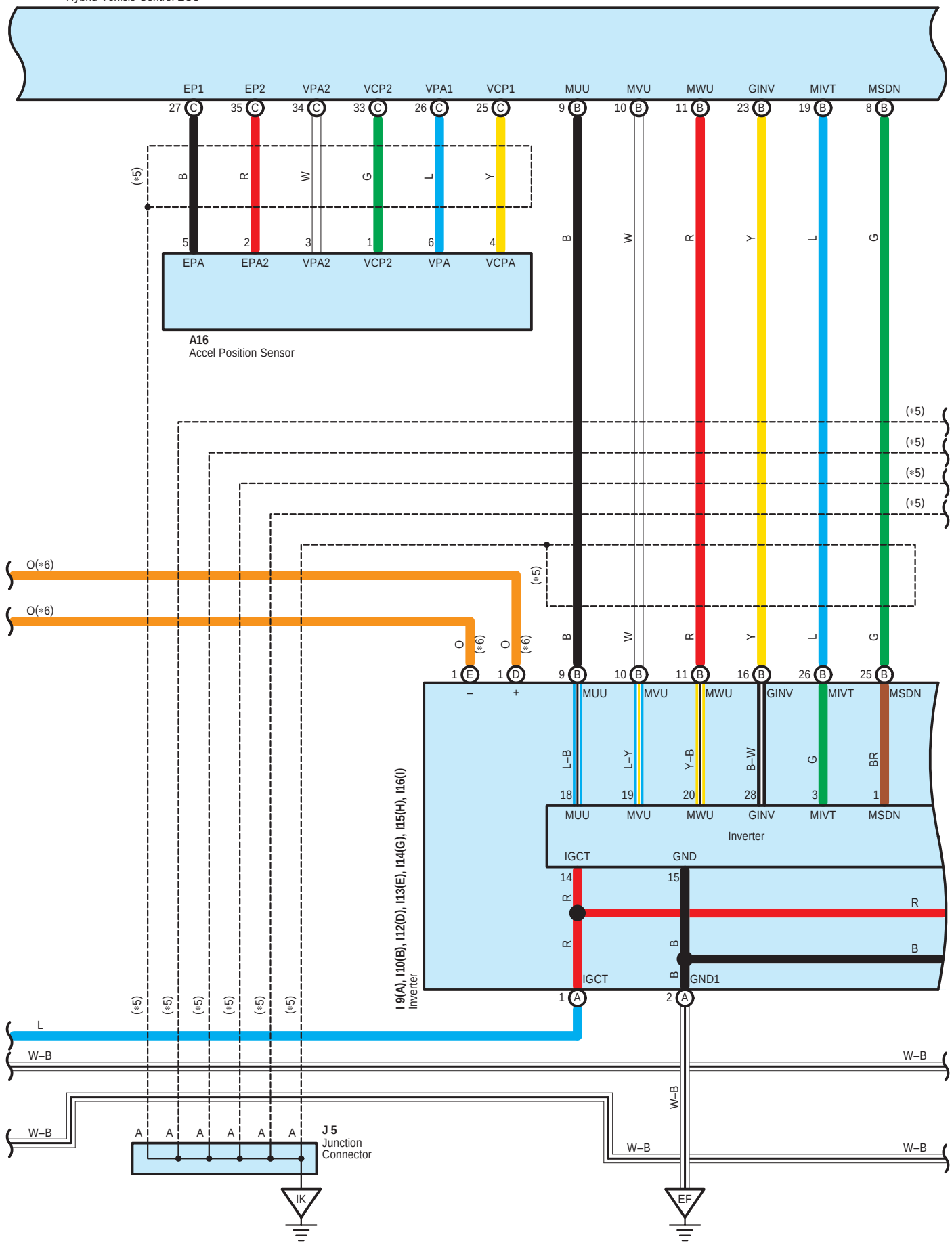

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
O
(*6)
O(*6)
O
O
H15(A), H16(B)
Hybrid Vehicle Battery
Service Plug
Hybrid Vehicle Battery
Busber Module 1
Hybrid Vehicle Battery
Busber Module 2
GR–B
Y
O
G
L–O
LG–R
Y–B
L–W
L
GR
G–R
LG–B
G–W
R
L–B
VBB14
VBB13
VBB12
VBB11
VBB10
VBB9
VBB8
VBB7
VBB6
VBB5
VBB4
VBB3
VBB2
VBB1
GBB0
FCTL1
VM
S1
CANH
CANL
GND
B11(A), B12(B), B13(C)
Battery ECU
BR
V
Y
B
W
* 6 : High Voltage
W–B
J33
Junction Connector
L
GR
BP


∗ 6 : High Voltage
H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
BATT
6 B
O(∗6)
O(∗6)
O
O
Y
O(∗6)
O(∗6)
H15(A), H16(B)
Hybrid Vehicle Battery
From Power Source System (See Page 96)
Current Sensor
7. 5A IGN
W
W
B
B
L
L
G
G
1 C TB1
2 C GB1
3 C TB2
4 C GB2
5 C TB3
6 C GB3
9 C TC1
10 C GC1
14 C GIB
15 C VIB
16 C IB
21 1E
27 1A
15 1F
W
O
O
11 4H
8 4G
B11(A), B12(B), B13(C)
Battery ECU
AM
IGCT
IG2
1 A
2 A
13 A
G
L
O
8 IF1
7 IF1
14 IM3
O
G
L
Y
L
A
A
G
J6 Junction Connector
A
Y
Y
L
L
L
L
GR
GR
W–B
W–B
W–B
W–B
B
B

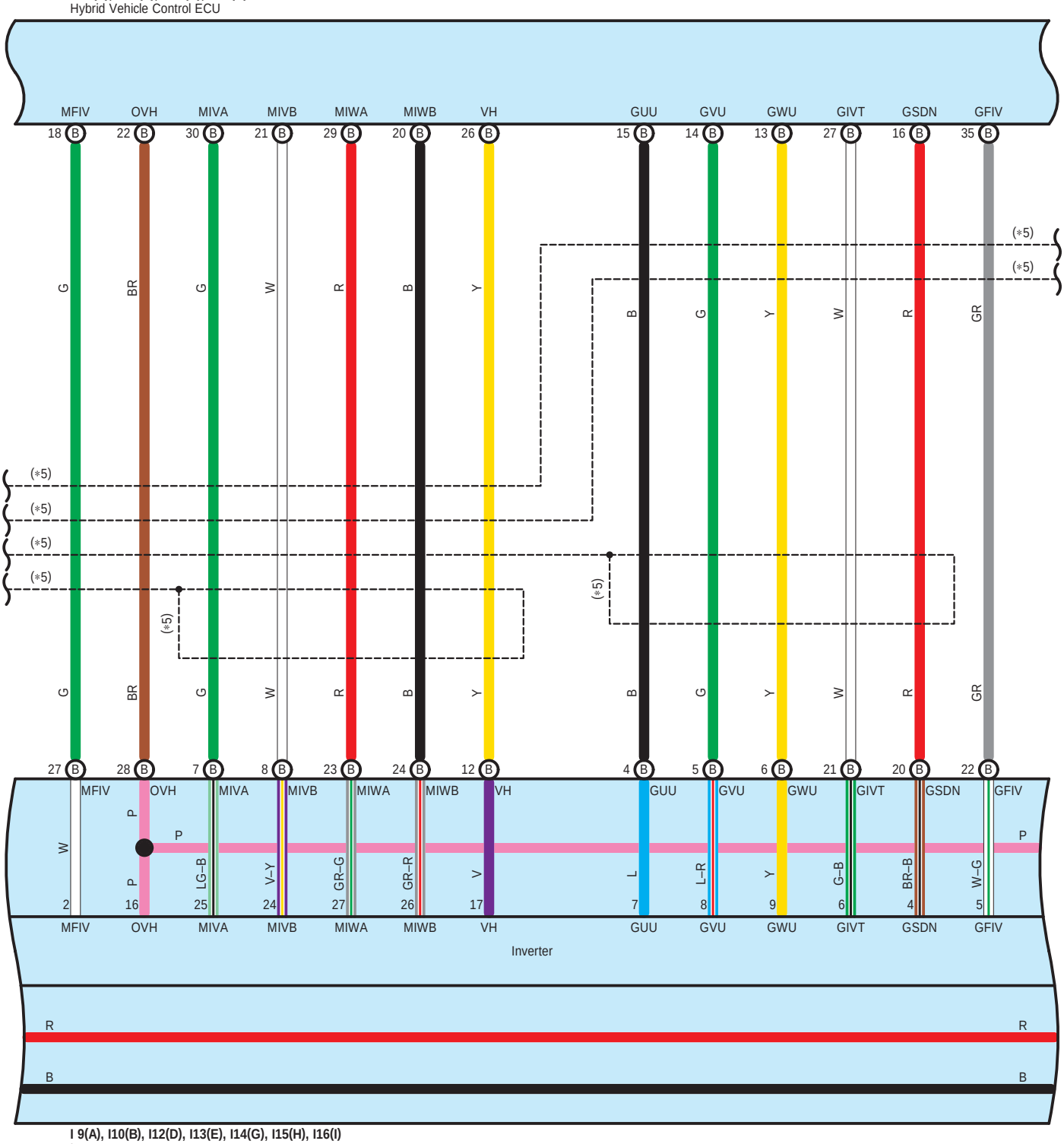

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
+B2
+B1
PPOS
CON3
CON2
CON1
O(*6)
O(*6)
IC1
S21(A), S22(B), S23(C), S24(D), S25(E)
System Main Relay
J14
Junction Connector
J3
Junction Connector
S 1
Shift Control Actuator
RE2
RZ1
RB
RA
RVC
PPOS
E2
RZ1
RB
RA
VC
MPX1
MPX2
T 5
Transmission Control ECU
W–B
W–B
W–B
W–B

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU

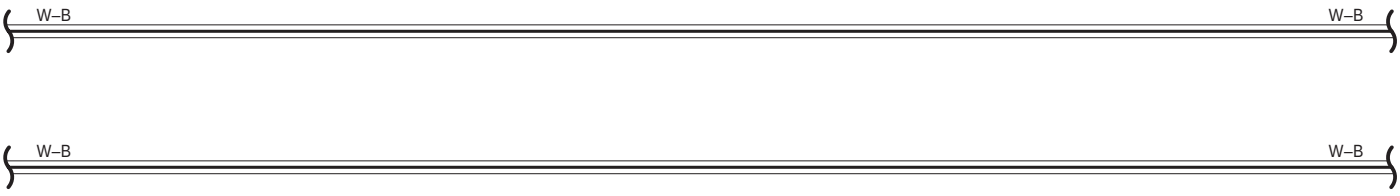
∗ 5 : Shielded
∗ 6 : High Voltage

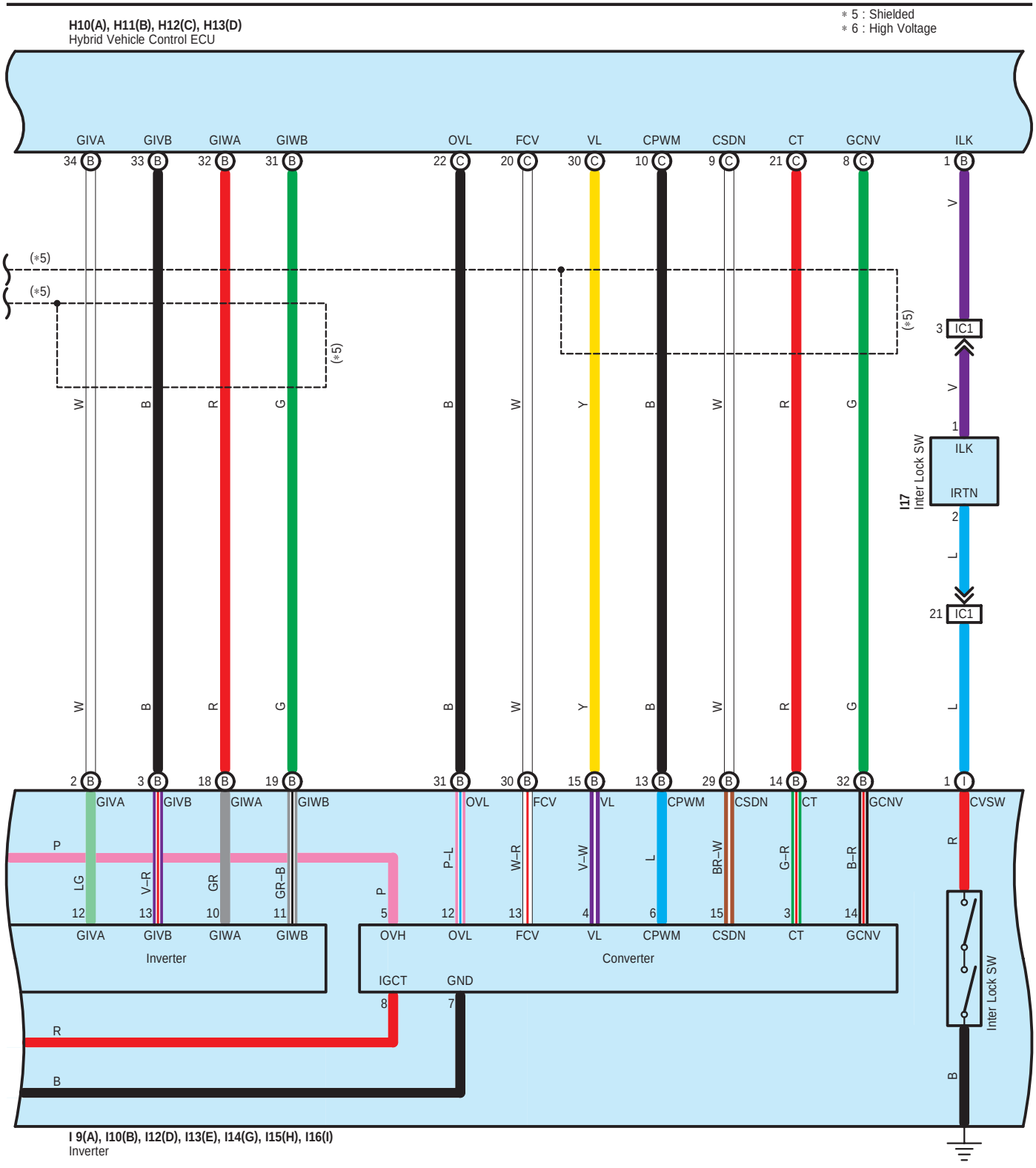


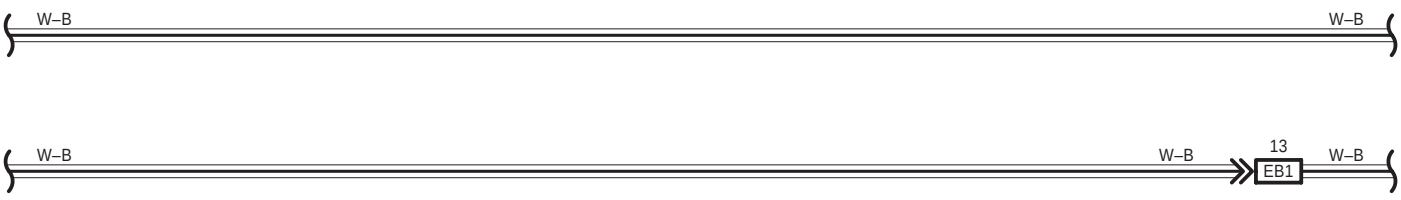
H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU

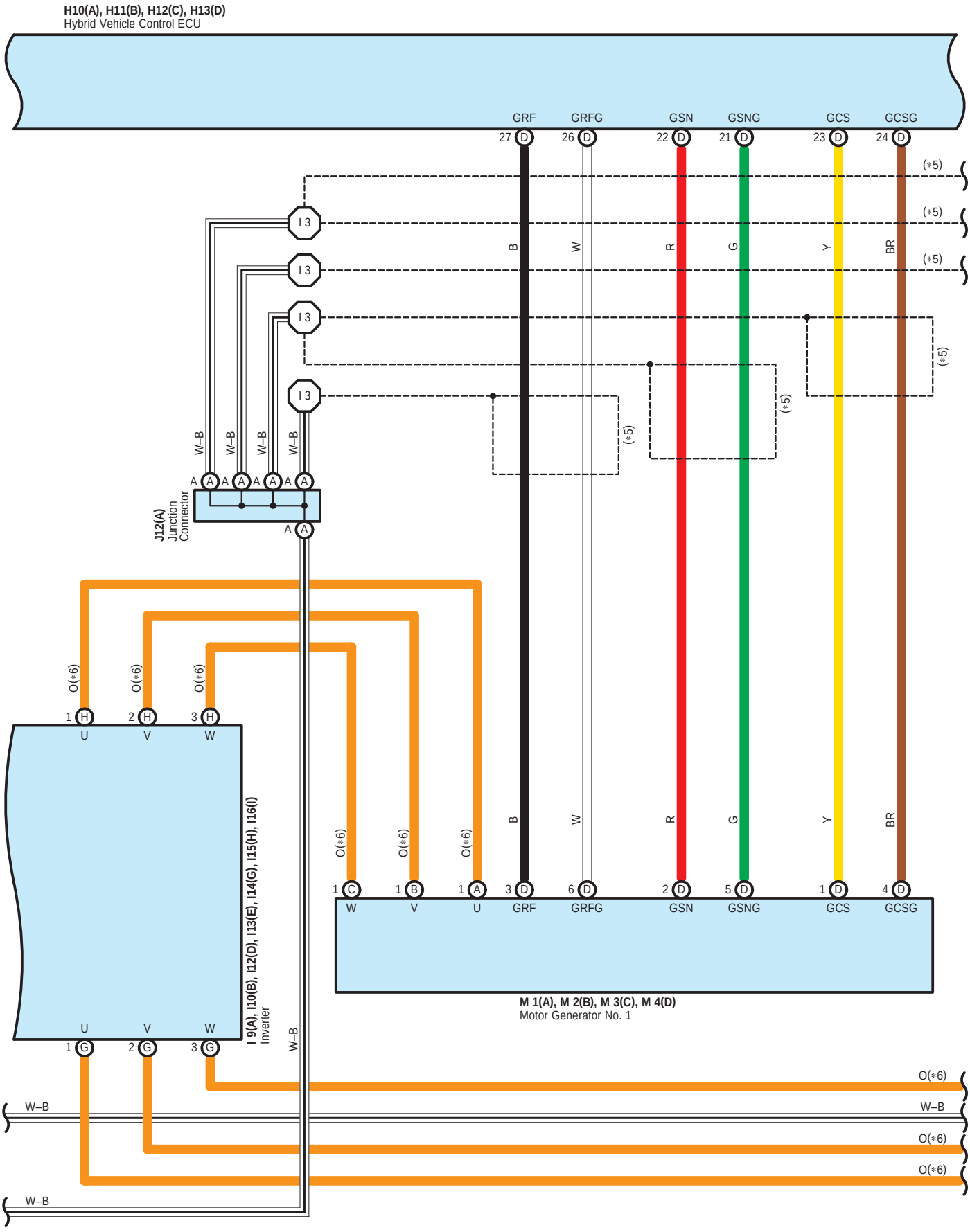


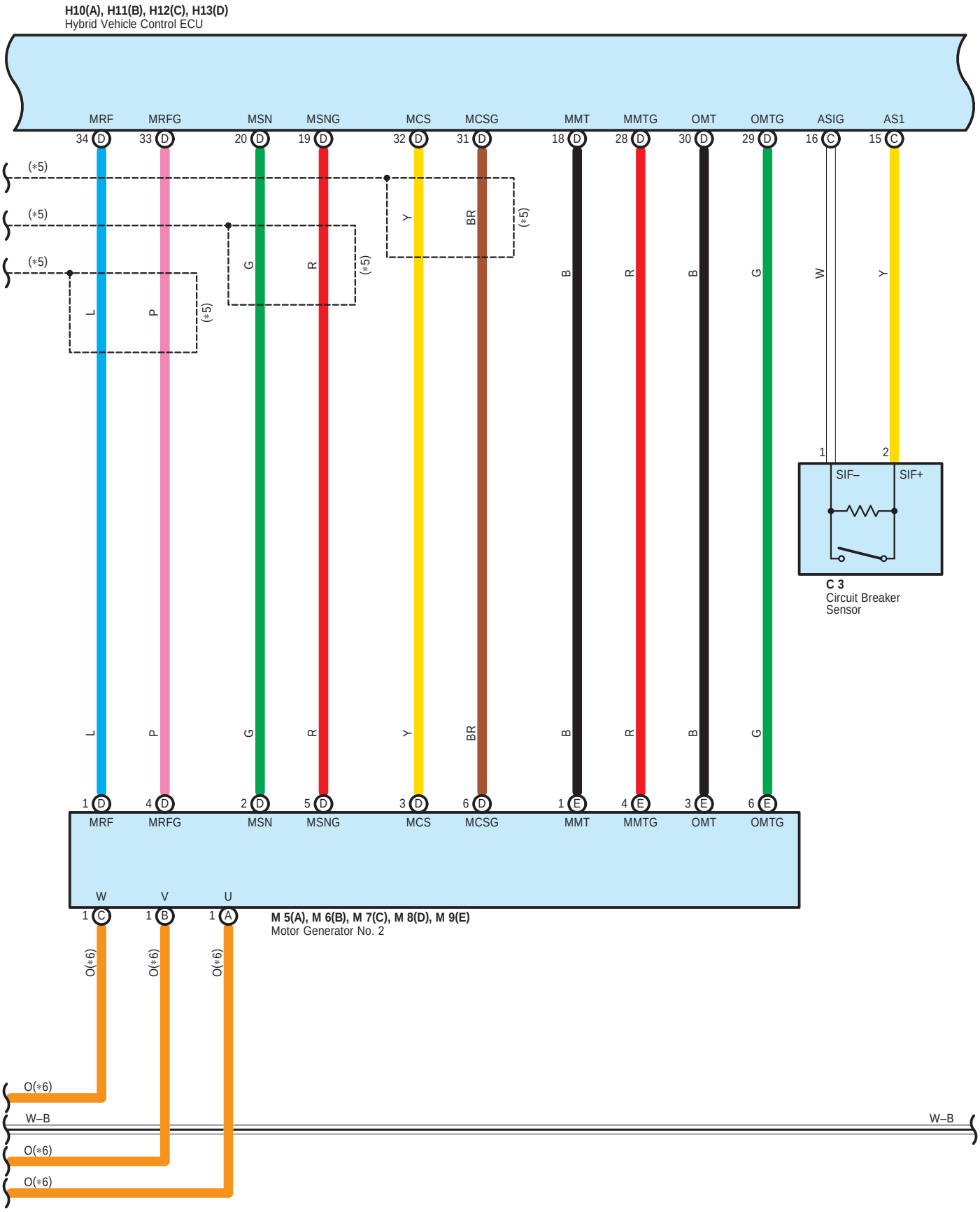
I 9(A), I10(B), I12(D), I13(E), I14(G), I15(H), I16(I)
Inverter

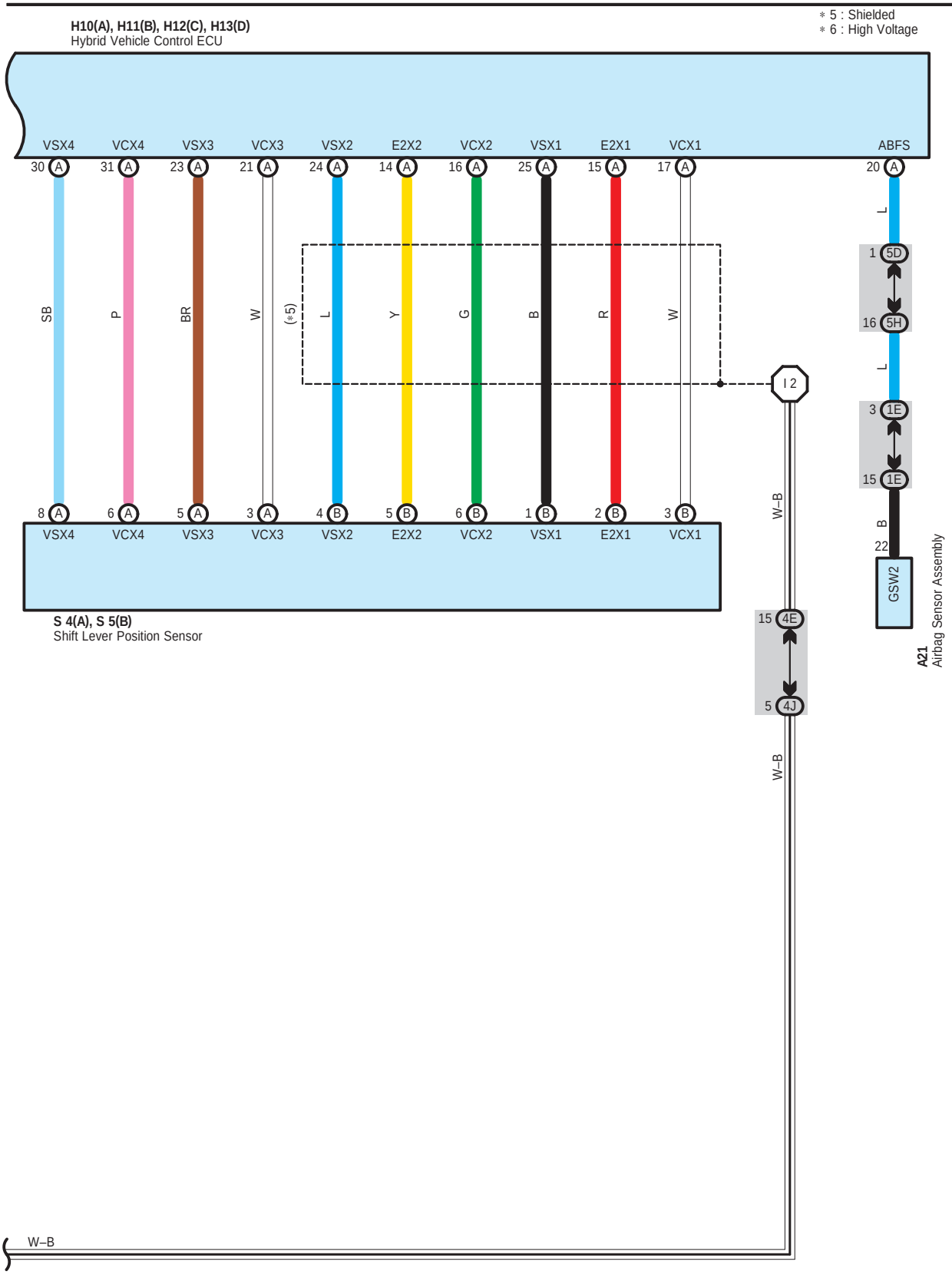



H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
* 5 : Shielded
* 6 : High Voltage
GIVA
GIVB
GIWA
GIWB
OVL
FCV
VL
CPWM
CSDN
CT
GCNV
ILK
(*5)
IC1
I17
Inter Lock SW
IRTN
CVSW
Inverter
Converter
OVH
IGCT
GND
I 9(A), I10(B), I12(D), I13(E), I14(G), I15(H), I16(I)
Inverter

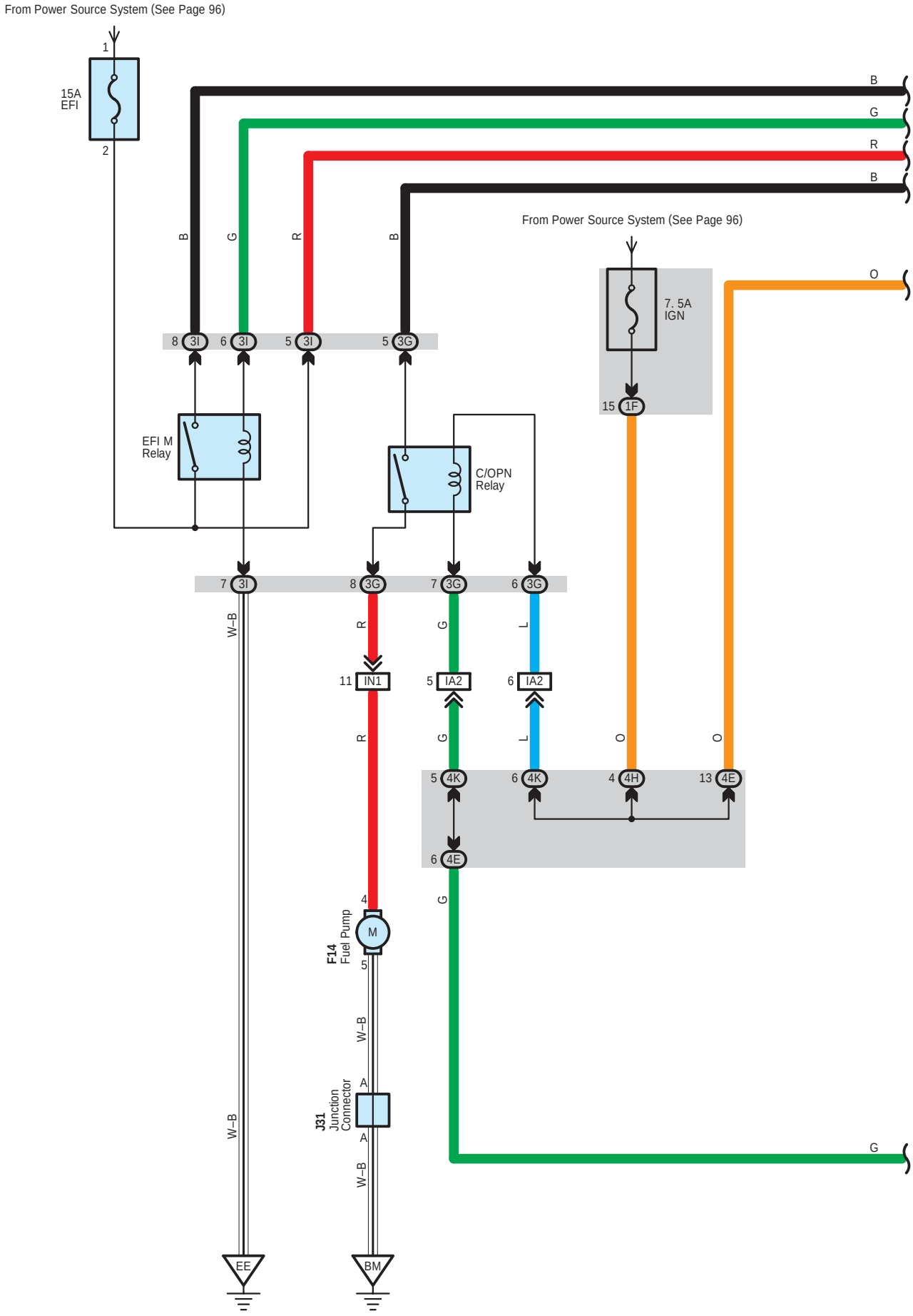

W–B
W–B
W–B
W–B
13
EB1
W–B

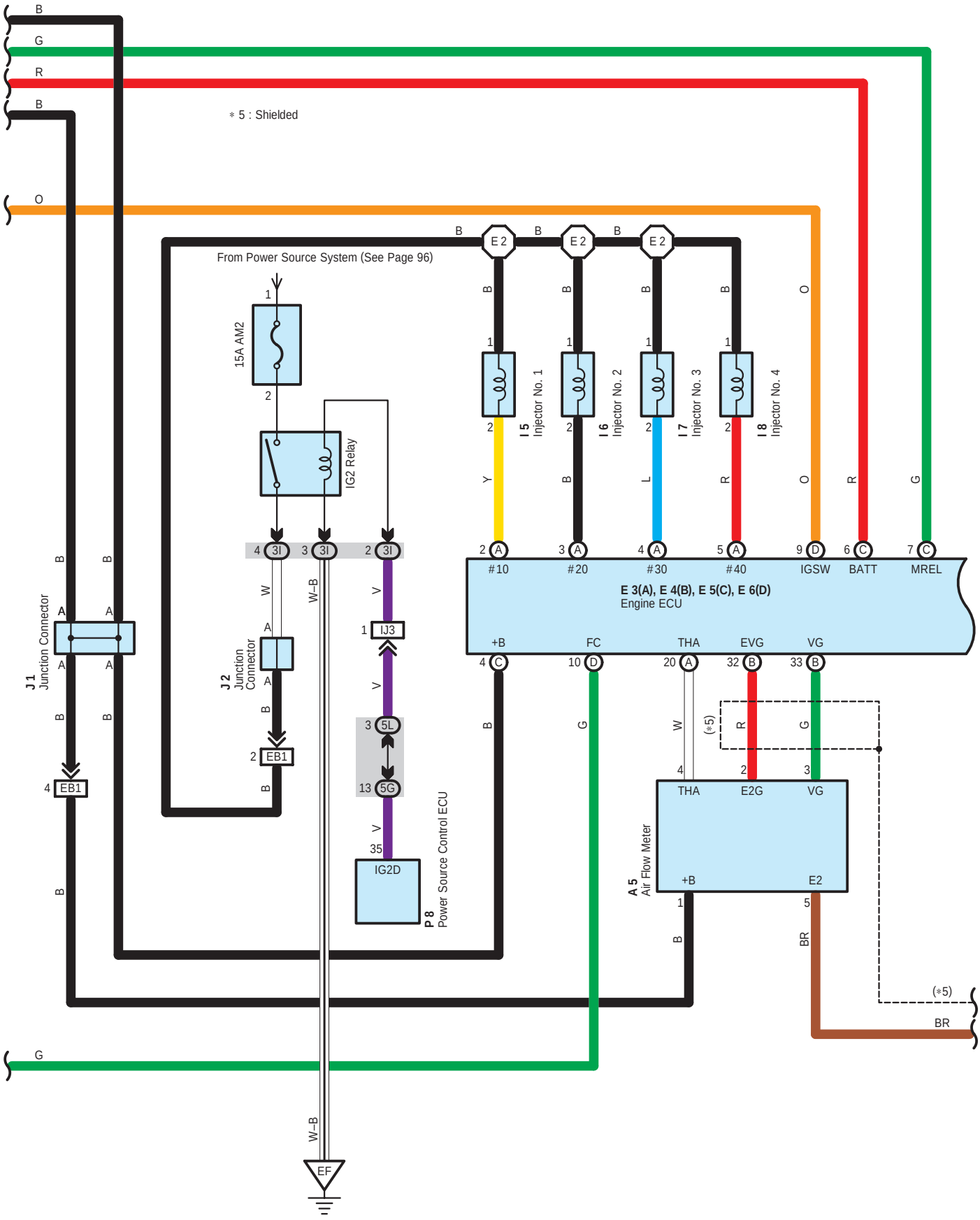

H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
GRF
GRFG
GSN
GSNG
GCS
GCSG
27 D
26 D
22 D
21 D
23 D
24 D
(*5)
I 3
B
W
R
G
Y
BR
W–B
A A A A A A A
J12(A)
Junction
Connector
O(*6)
1 H
2 H
3 H
U
V
W
1 C
1 B
1 A
3 D
6 D
2 D
5 D
1 D
4 D
M 1(A), M 2(B), M 3(C), M 4(D)
Motor Generator No. 1
I 9(A), I10(B), I12(D), I13(E), I14(G), I15(H), I16(I)
Inverter
1 G
2 G
3 G


H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
MRF
MRFG
MSN
MSNG
MCS
MCSG
MMT
MMTG
OMT
OMTG
ASIG
AS1
34 D
33 D
20 D
19 D
32 D
31 D
18 D
28 D
30 D
29 D
16 C
15 C
(*5)
L
P
G
R
Y
BR
B
R
B
G
W
Y
1
2
SIF–
SIF+
C 3
Circuit Breaker
Sensor
1 D
4 D
2 D
5 D
3 D
6 D
1 E
4 E
3 E
6 E
W
V
U
1 C
1 B
1 A
M 5(A), M 6(B), M 7(C), M 8(D), M 9(E)
Motor Generator No. 2
O(*6)
W–B


H10(A), H11(B), H12(C), H13(D)
Hybrid Vehicle Control ECU
* 5 : Shielded
* 6 : High Voltage
VSX4 VCX4 VSX3 VCX3 VSX2 E2X2 VCX2 VSX1 E2X1 VCX1 ABFS
30 A 31 A 23 A 21 A 24 A 14 A 16 A 25 A 15 A 17 A 20 A
SB P BR W (*5) L Y G B R W L
I 2
1 5D
16 5H
L
3 1E
15 1E
B
22
GSW2
A21
Airbag Sensor Assembly
8 A 6 A 5 A 3 A 4 B 5 B 6 B 1 B 2 B 3 B
VSX4 VCX4 VSX3 VCX3 VSX2 E2X2 VCX2 VSX1 E2X1 VCX1
S 4(A), S 5(B)
Shift Lever Position Sensor
W–B
15 4E
5 4J
W–B
W–B

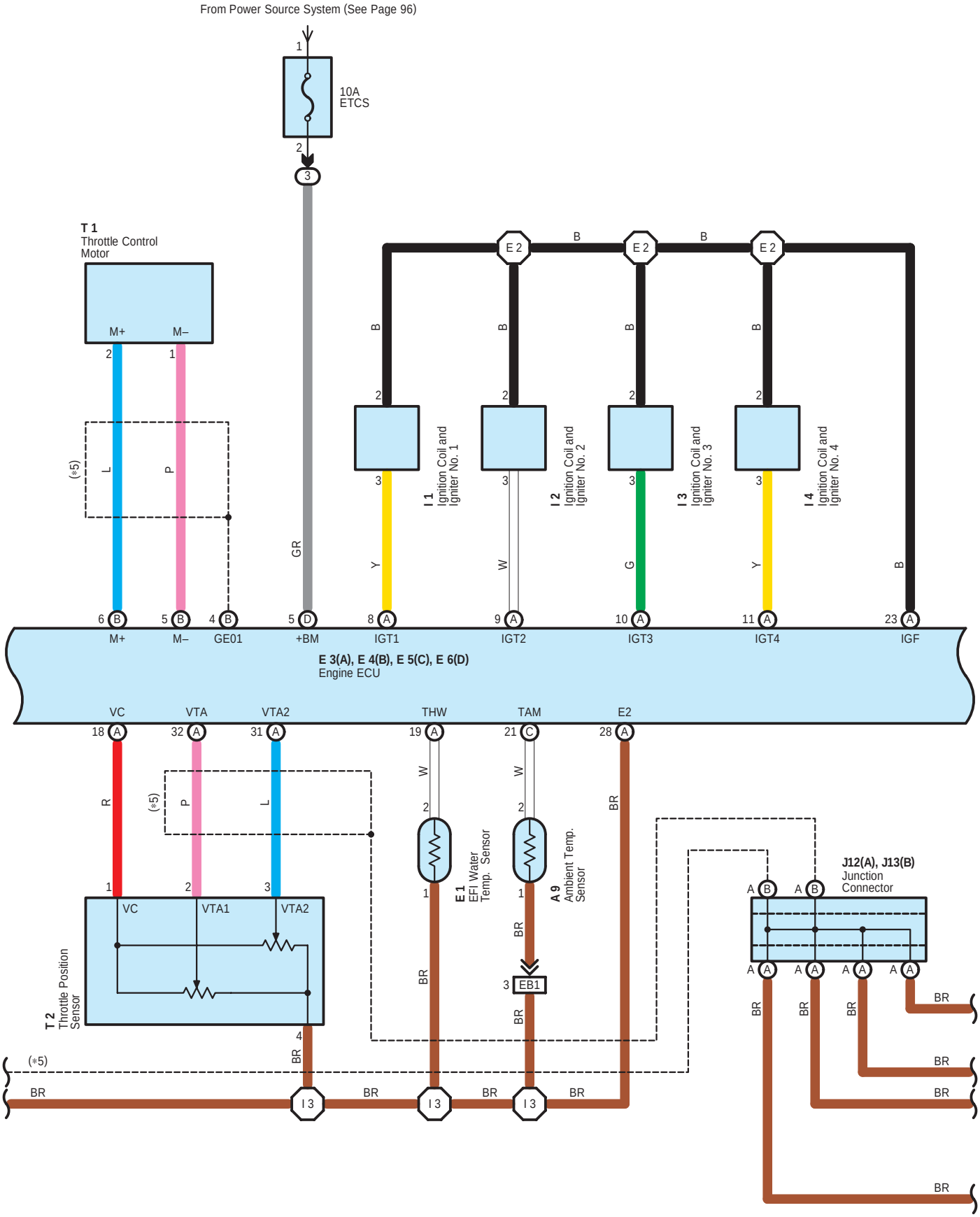
[Details of Engine ECU Section]

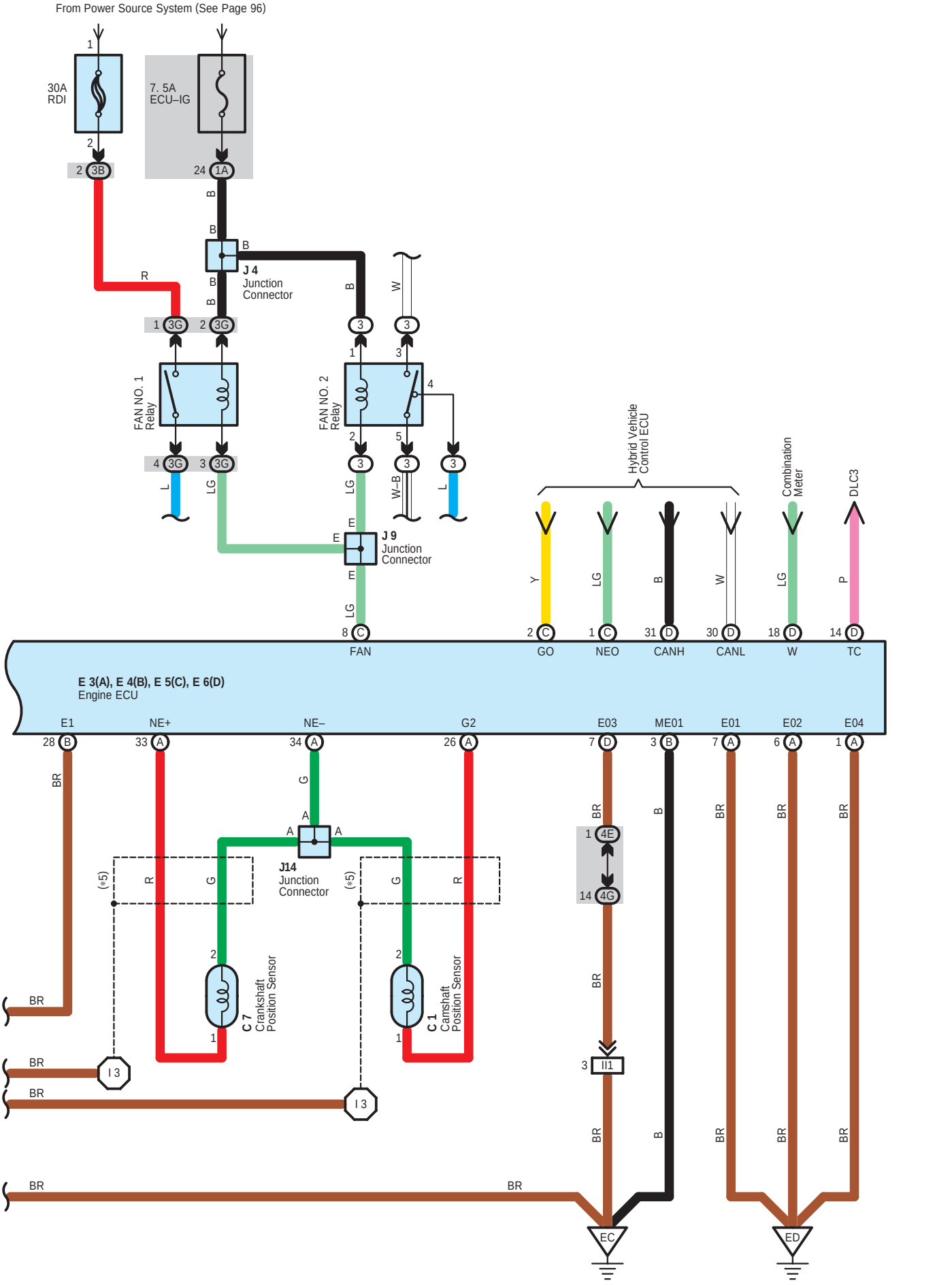



* 5 : Shielded
From Power Source System (See Page 96)
15A AM2
IG2 Relay
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4
#10
#20
#30
#40
IGSW
BATT
MREL
E 3(A), E 4(B), E 5(C), E 6(D)
Engine ECU
+B
FC
THA
EVG
VG
J 1 Junction Connector
J 2 Junction Connector
EB1
IJ3
5L
5G
IG2D
P 8 Power Source Control ECU
A 5 Air Flow Meter
THA
E2G
VG
+B
E2
(*5)
W-B
EF

[Details of Engine ECU Section]

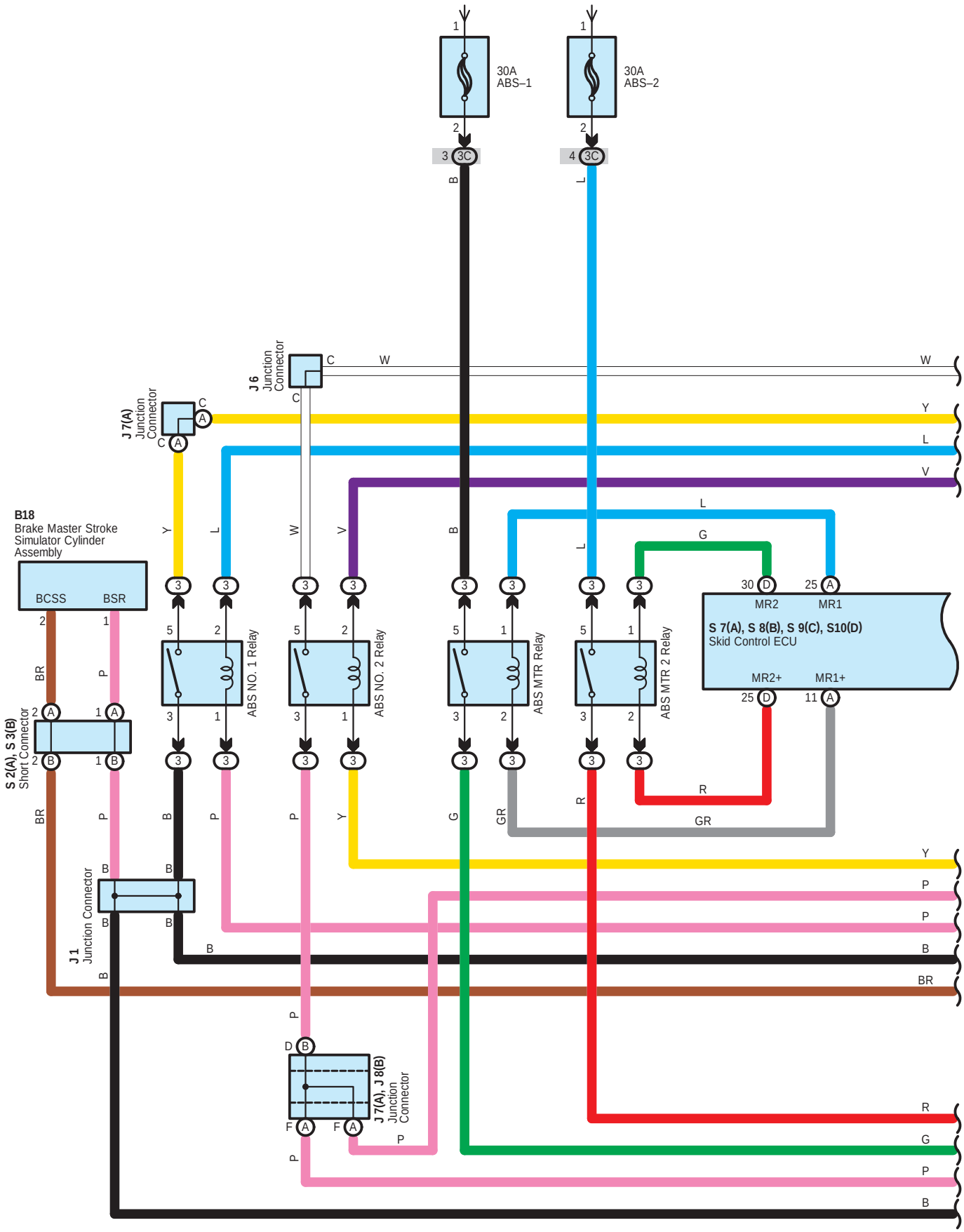
∗ 5 : Shielded

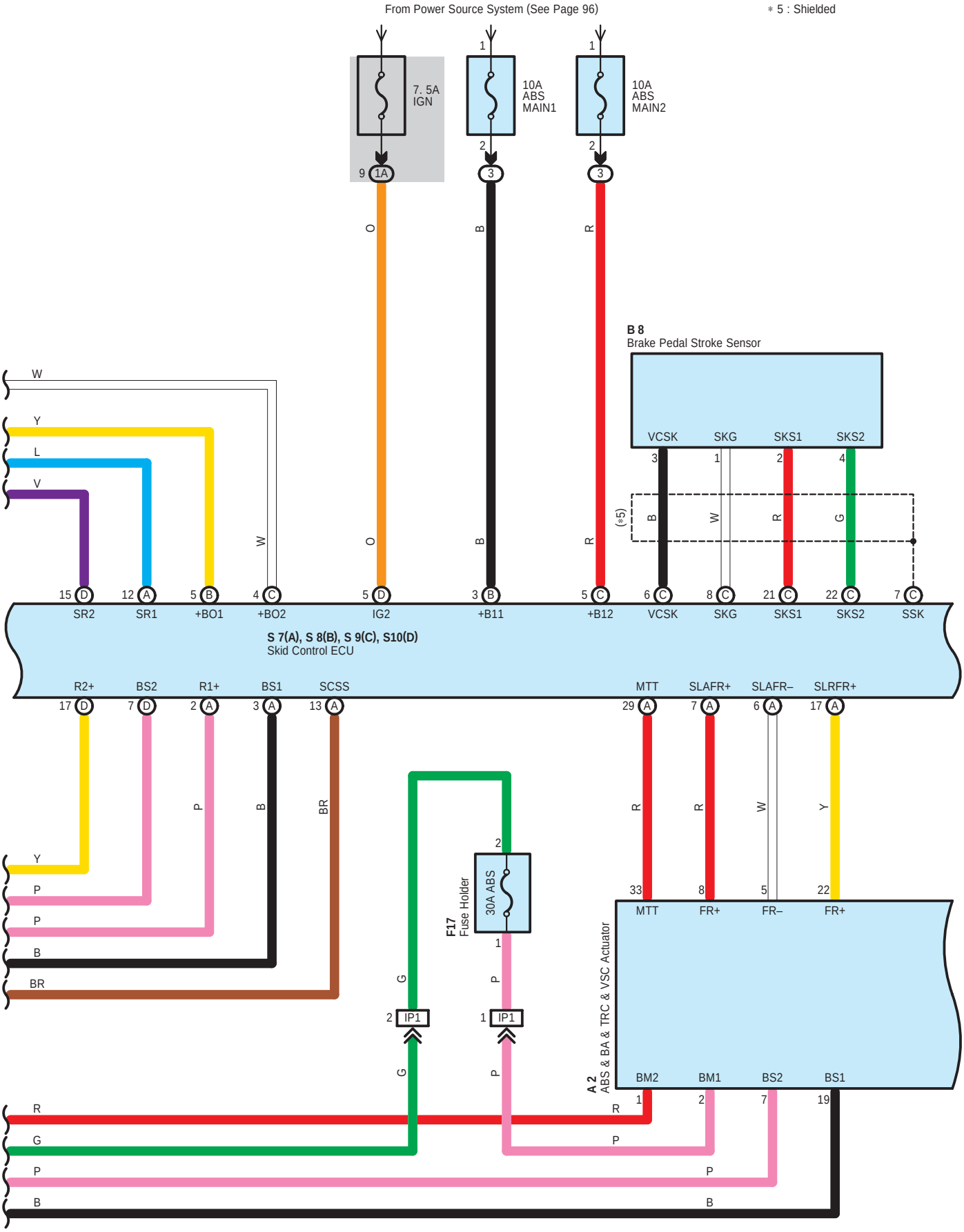



From Power Source System (See Page 96)
30A
RDI
7. 5A
ECU–IG
J 4
Junction
Connector
FAN NO. 1
Relay
FAN NO. 2
Relay
J 9
Junction
Connector
FAN
Hybrid Vehicle
Control ECU
GO
NEO
CANH
CANL
Combination
Meter
W
DLC3
TC
E 3(A), E 4(B), E 5(C), E 6(D)
Engine ECU
E1
NE+
NE–
G2
E03
ME01
E01
E02
E04
J14
Junction
Connector
C 7
Crankshaft
Position Sensor
C 1
Camshaft
Position Sensor
EC
ED

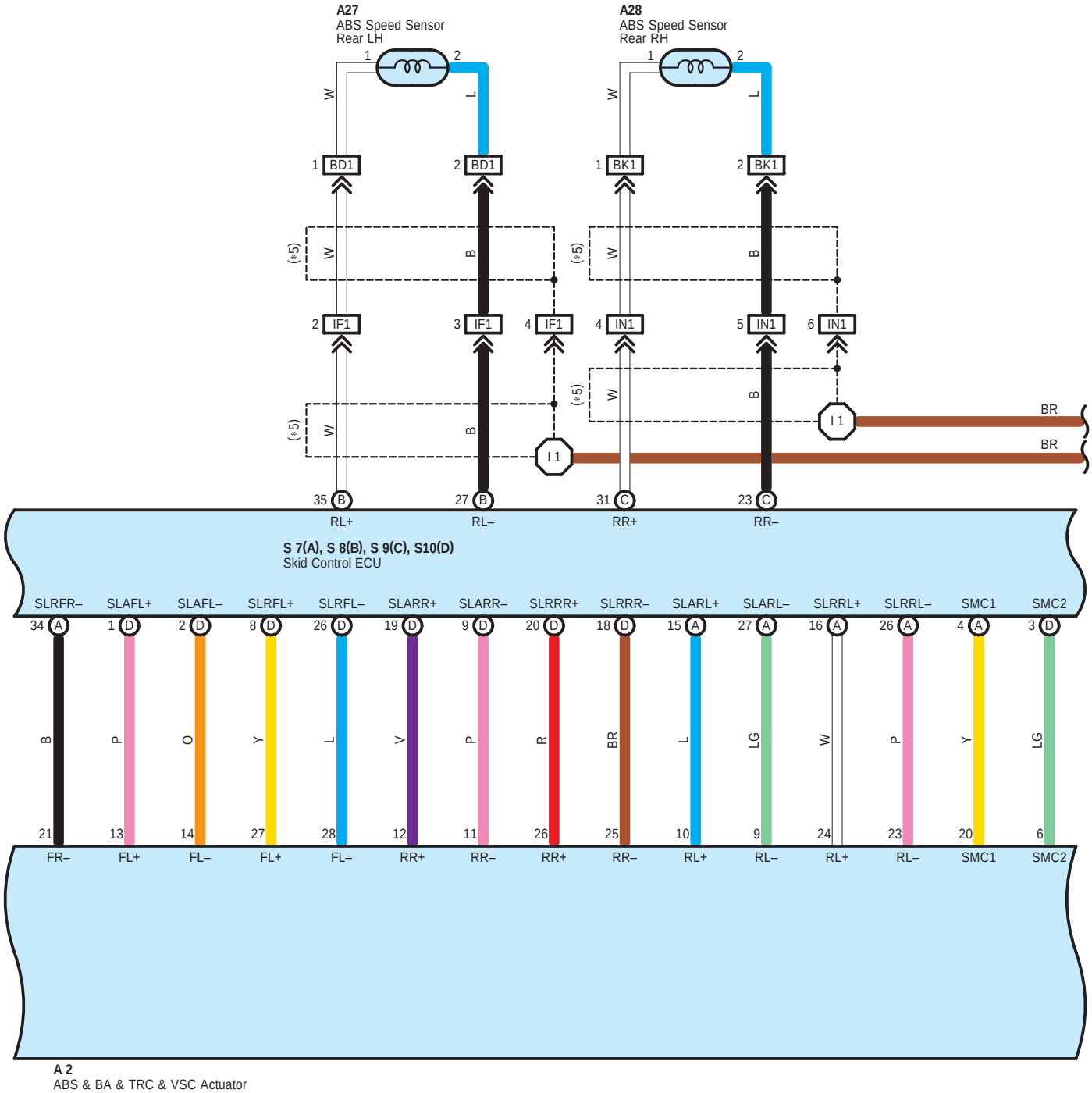
[Details of Skid Control ECU Section]

From Power Source System (See Page 96)

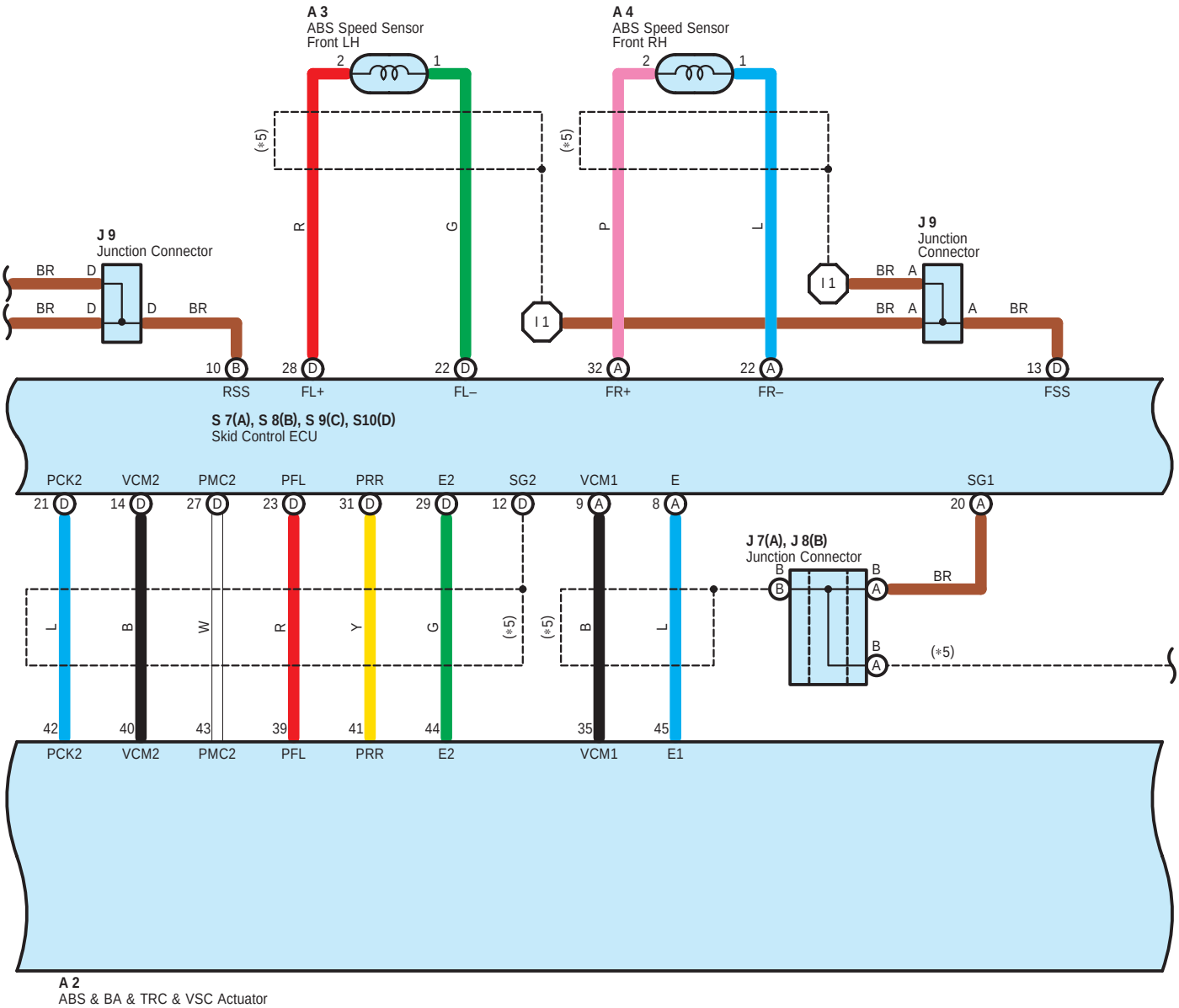



From Power Source System (See Page 96)
* 5 : Shielded
7. 5A
IGN
10A
ABS
MAIN1
10A
ABS
MAIN2
B 8
Brake Pedal Stroke Sensor
VCSK
SKG
SKS1
SKS2
(*5)
SR2
SR1
+BO1
+BO2
IG2
+B11
+B12
VCSK
SKG
SKS1
SKS2
SSK
S 7(A), S 8(B), S 9(C), S10(D)
Skid Control ECU
R2+
BS2
R1+
BS1
SCSS
MTT
SLAFR+
SLAFR–
SLRFR+
F17
Fuse Holder
30A ABS
IP1
IP1
A 2
ABS & BA & TRC & VSC Actuator
MTT
FR+
FR–
FR+
BM2
BM1
BS2
BS1

[Details of Skid Control ECU Section]



∗ 5 : Shielded


A 3
ABS Speed Sensor
Front LH
A 4
ABS Speed Sensor
Front RH
J 9
Junction Connector
J 9
Junction
Connector
I 1
I 1
(∗5)
(∗5)
R
G
P
L
BR
D
BR
D
D
BR
BR
A
BR
A
A
BR
10 B RSS
28 D FL+
22 D FL–
32 A FR+
22 A FR–
13 D FSS
S 7(A), S 8(B), S 9(C), S10(D)
Skid Control ECU
PCK2
VCM2
PMC2
PFL
PRR
E2
SG2
VCM1
E
SG1
21 D
14 D
27 D
23 D
31 D
29 D
12 D
9 A
8 A
20 A
J 7(A), J 8(B)
Junction Connector
B
B
B
B
BR
(∗5)
L
B
W
R
Y
G
(∗5)
(∗5)
B
L
42 PCK2
40 VCM2
43 PMC2
39 PFL
41 PRR
44 E2
35 VCM1
45 E1
A 2
ABS & BA & TRC & VSC Actuator

[Details of Skid Control ECU Section]

From Power Source System (See Page 96)

∗ 5 : Shielded

