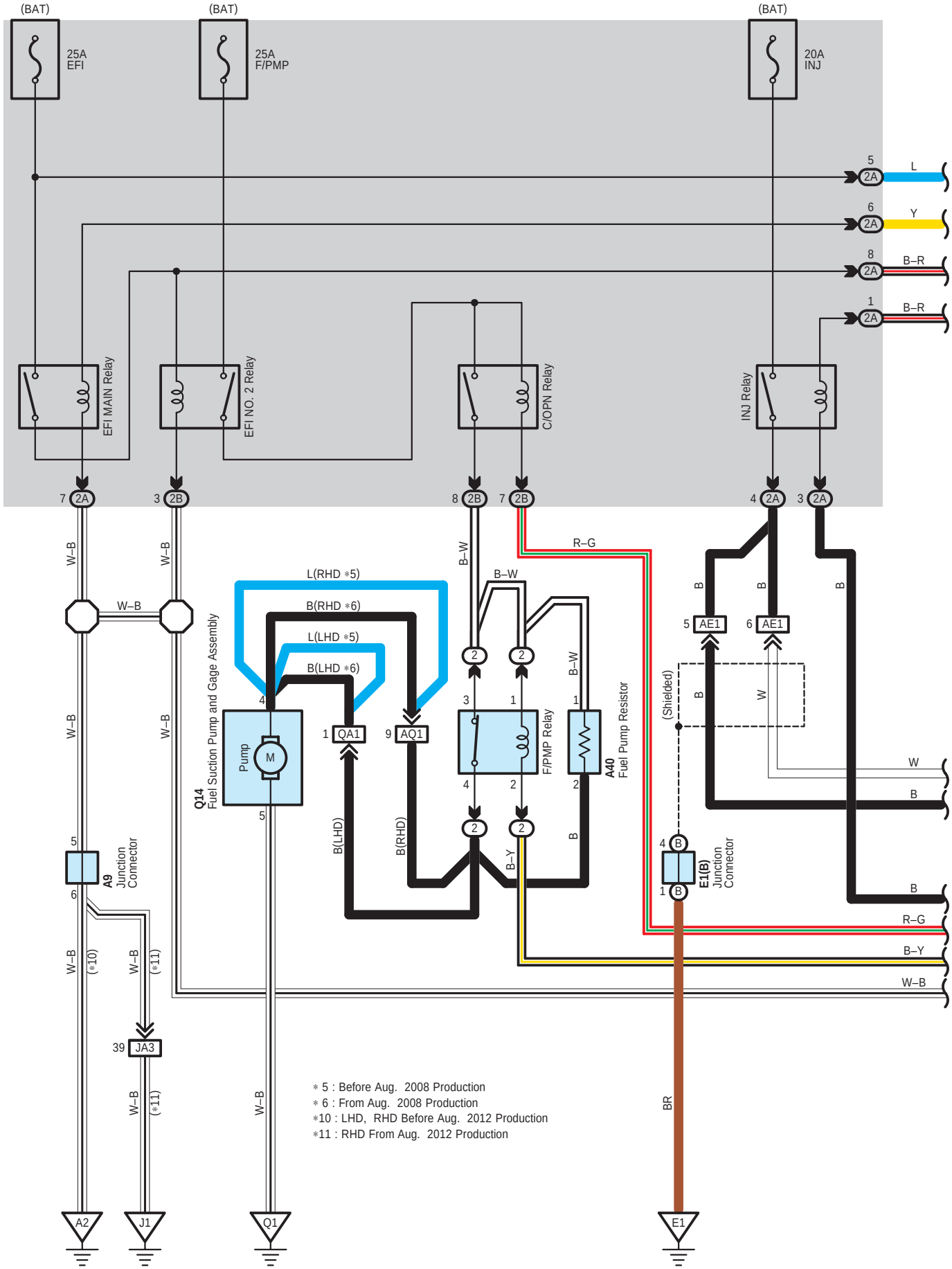
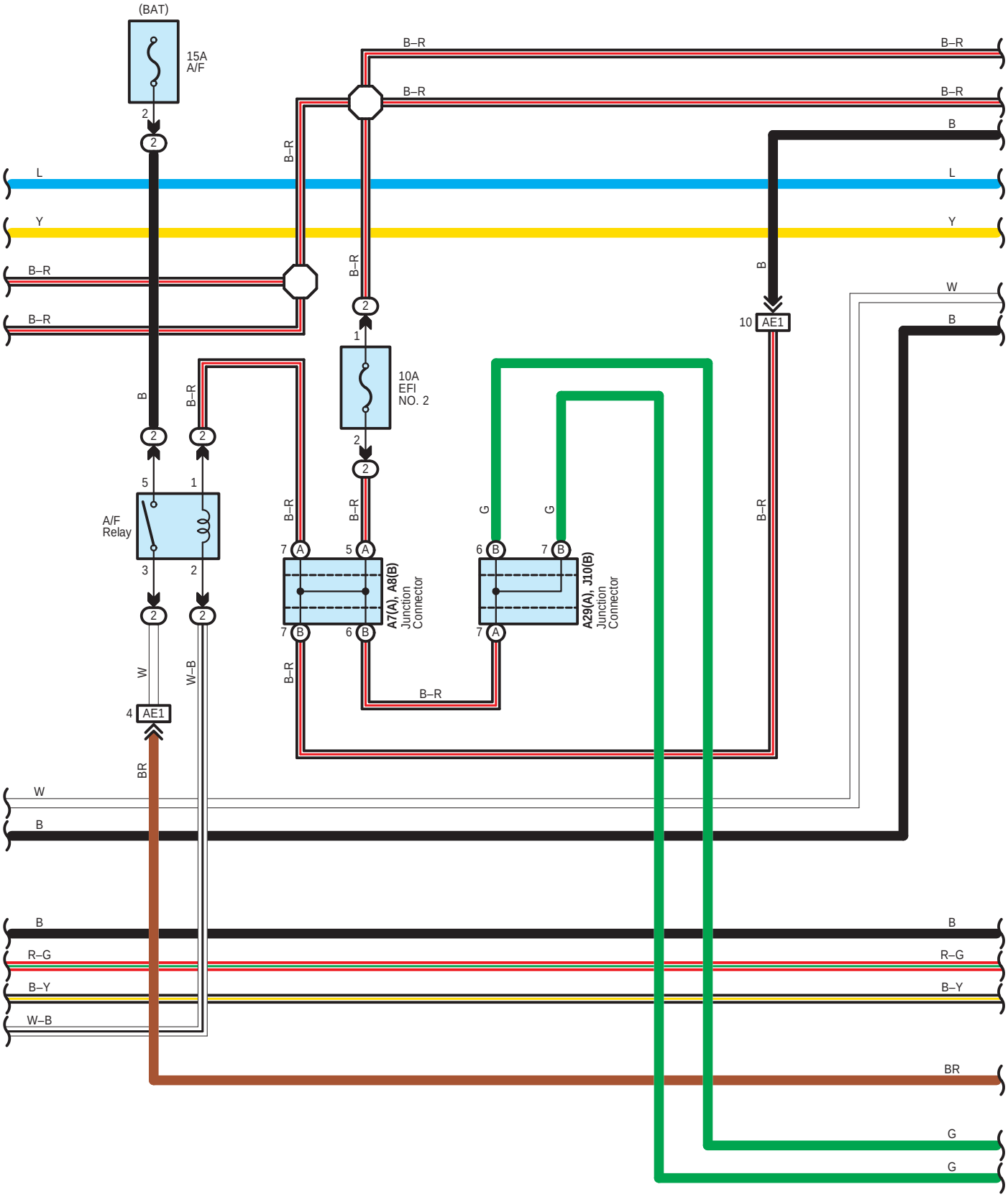
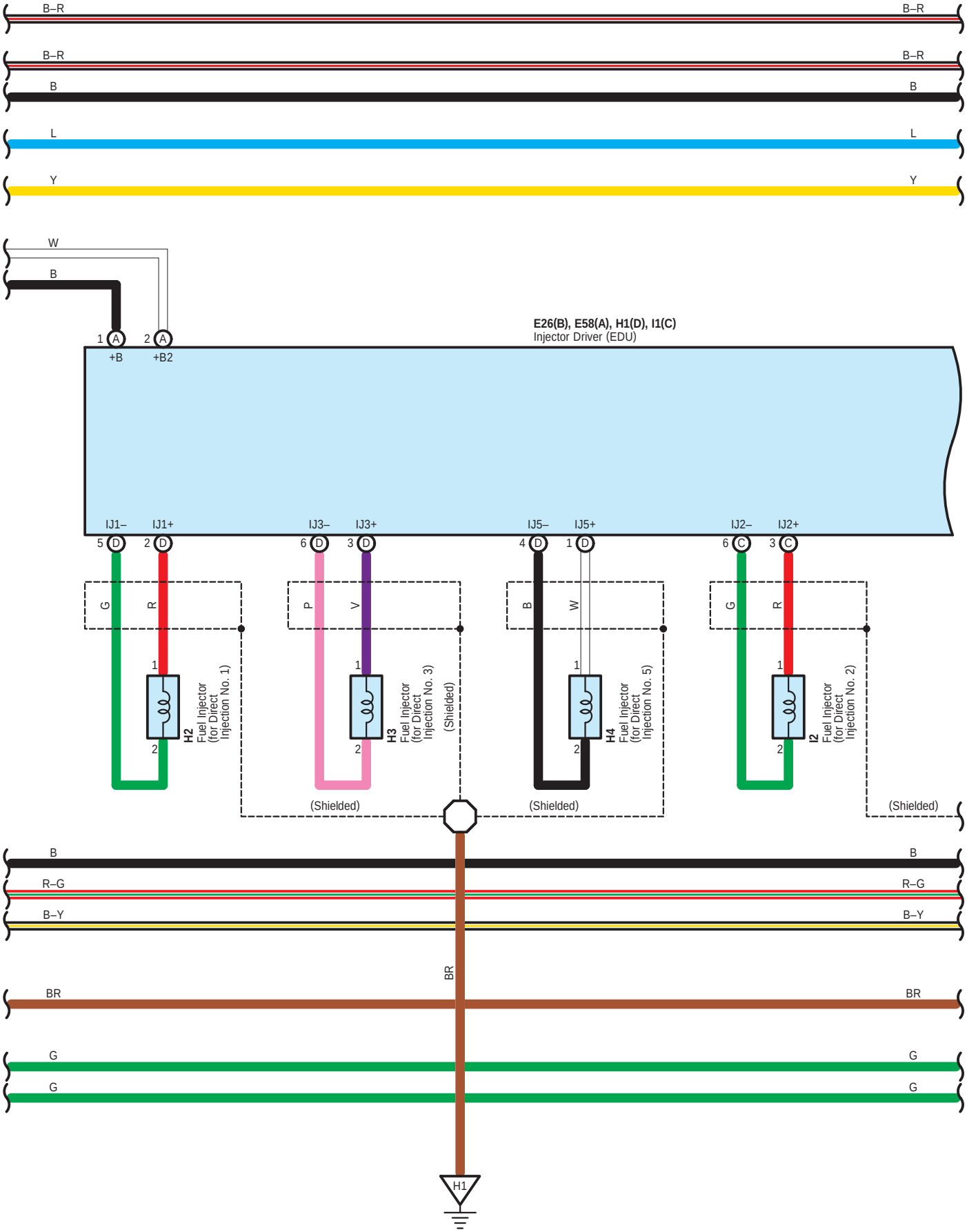
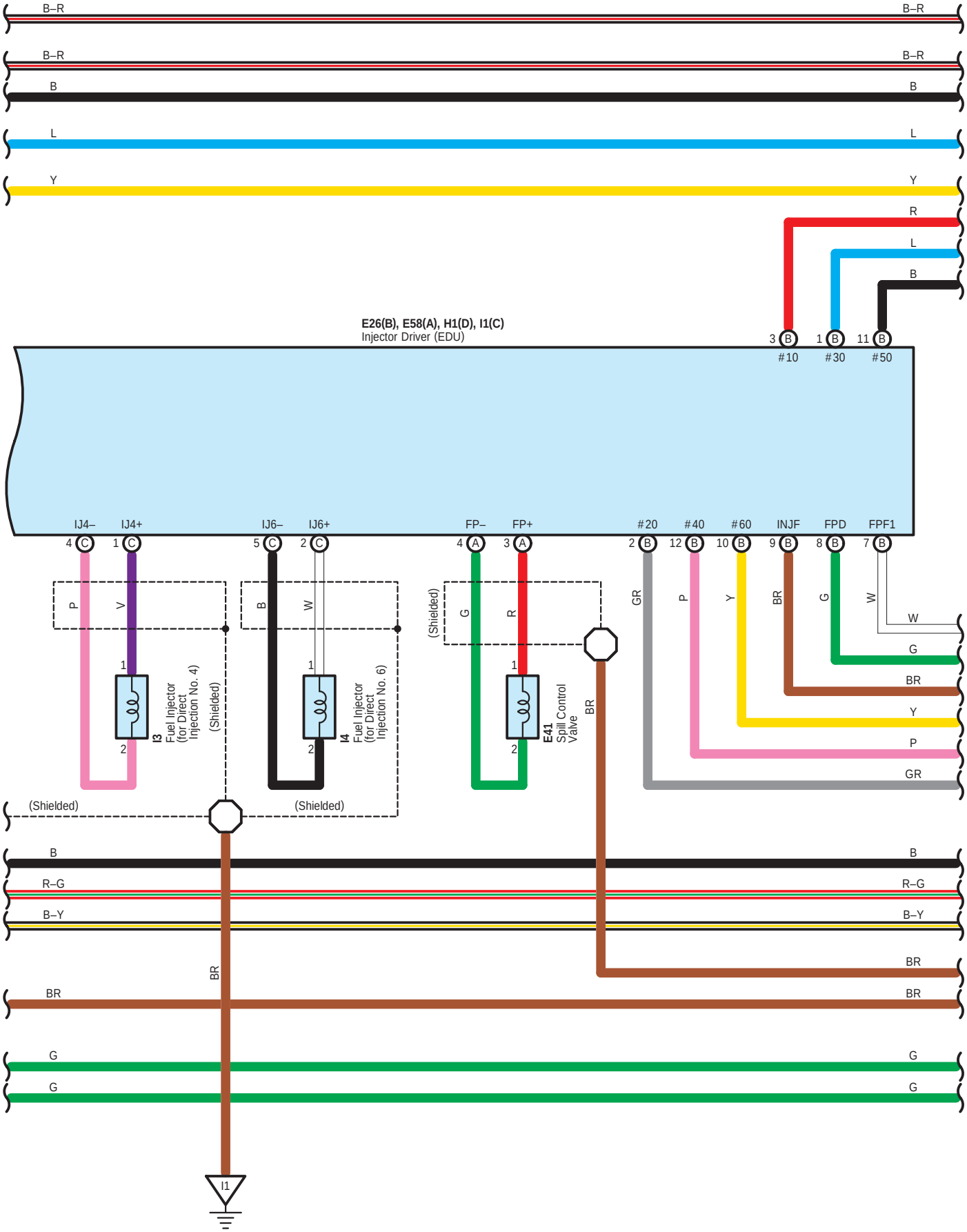
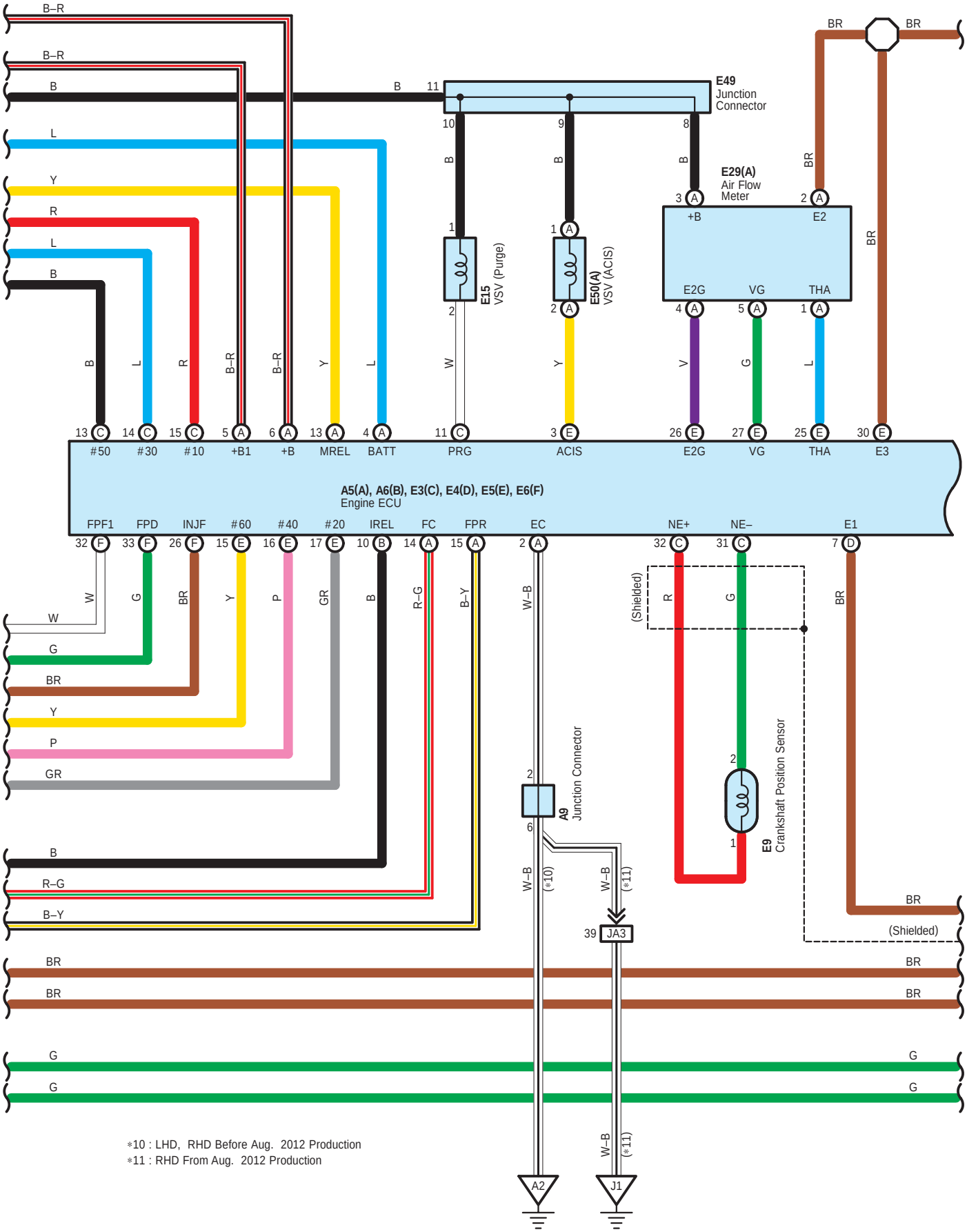
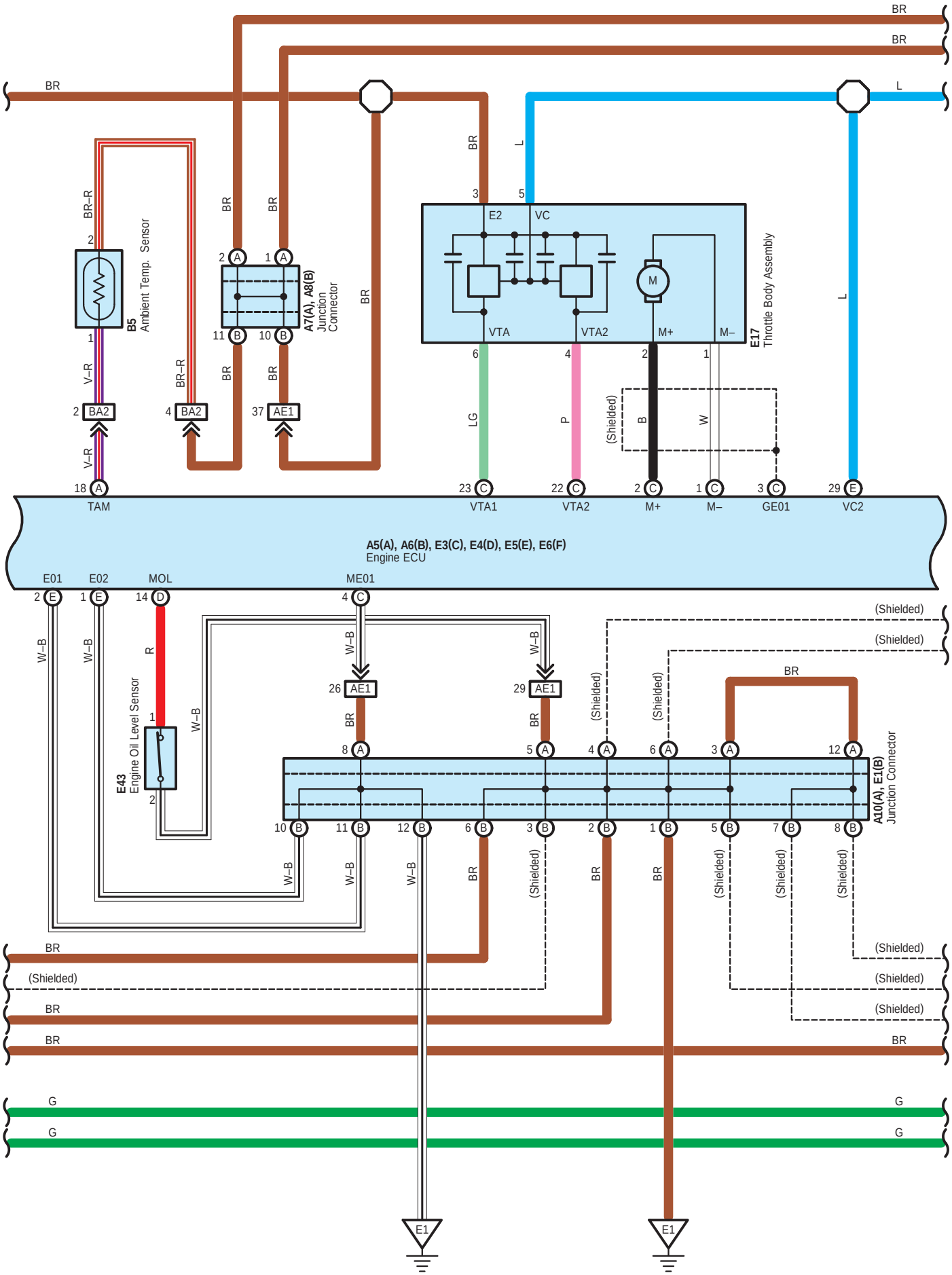

(BAT)
25A
EFI
(BAT)
25A
F/PMP
(BAT)
20A
INJ
EFI MAIN Relay
EFI NO. 2 Relay
C/OPN Relay
INJ Relay
L
Y
B–R
B–R
W–B
B–W
R–G
L(RHD ∗5)
B(RHD ∗6)
L(LHD ∗5)
B(LHD ∗6)
Q14
Fuel Suction Pump and Gage Assembly
Pump
M
QA1
AQ1
B(LHD)
B(RHD)
F/PMP Relay
A40
Fuel Pump Resistor
AE1
(Shielded)
W
B
A9
Junction Connector
E1(B)
Junction Connector
B–Y
(∗10)
(∗11)
JA3
BR
A2
J1
Q1
E1
∗ 5 : Before Aug. 2008 Production
∗ 6 : From Aug. 2008 Production
∗10 : LHD, RHD Before Aug. 2012 Production
∗11 : RHD From Aug. 2012 Production

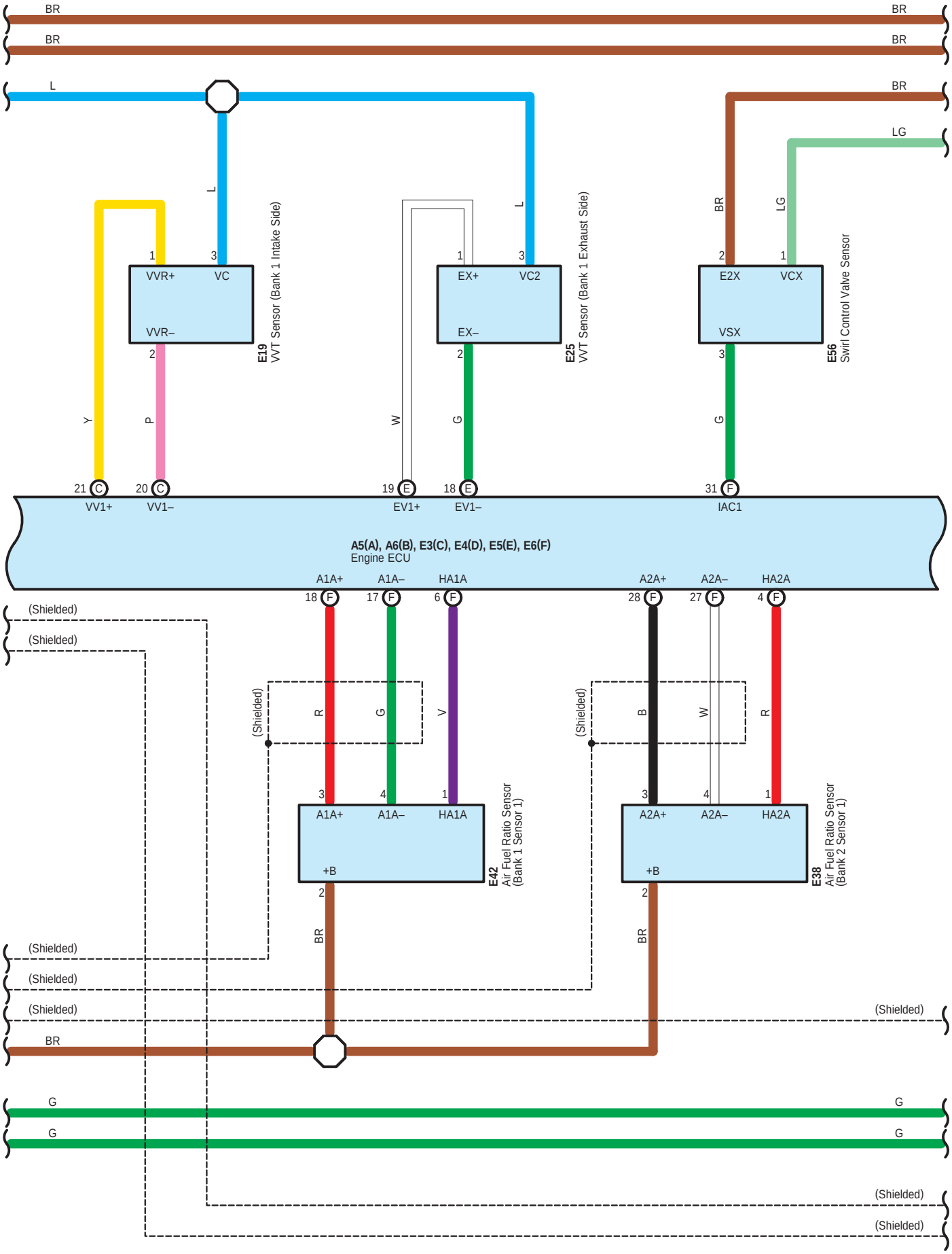

(BAT)
15A
A/F
2
B–R
B–R
B–R
B–R
B
L
L
Y
Y
B–R
B–R
B
W
B
10 AE1
10A
EFI
NO. 2
1
2
B
B–R
5
1
A/F
Relay
3
2
B–R
B–R
G
G
B–R
7 A
5 A
6 B
7 B
A7(A), A8(B)
Junction
Connector
A29(A), J10(B)
Junction
Connector
7 B
6 B
7 A
B–R
W
W–B
4 AE1
BR
W
B
B
R–G
B–Y
W–B
B
R–G
B–Y
BR
G
G

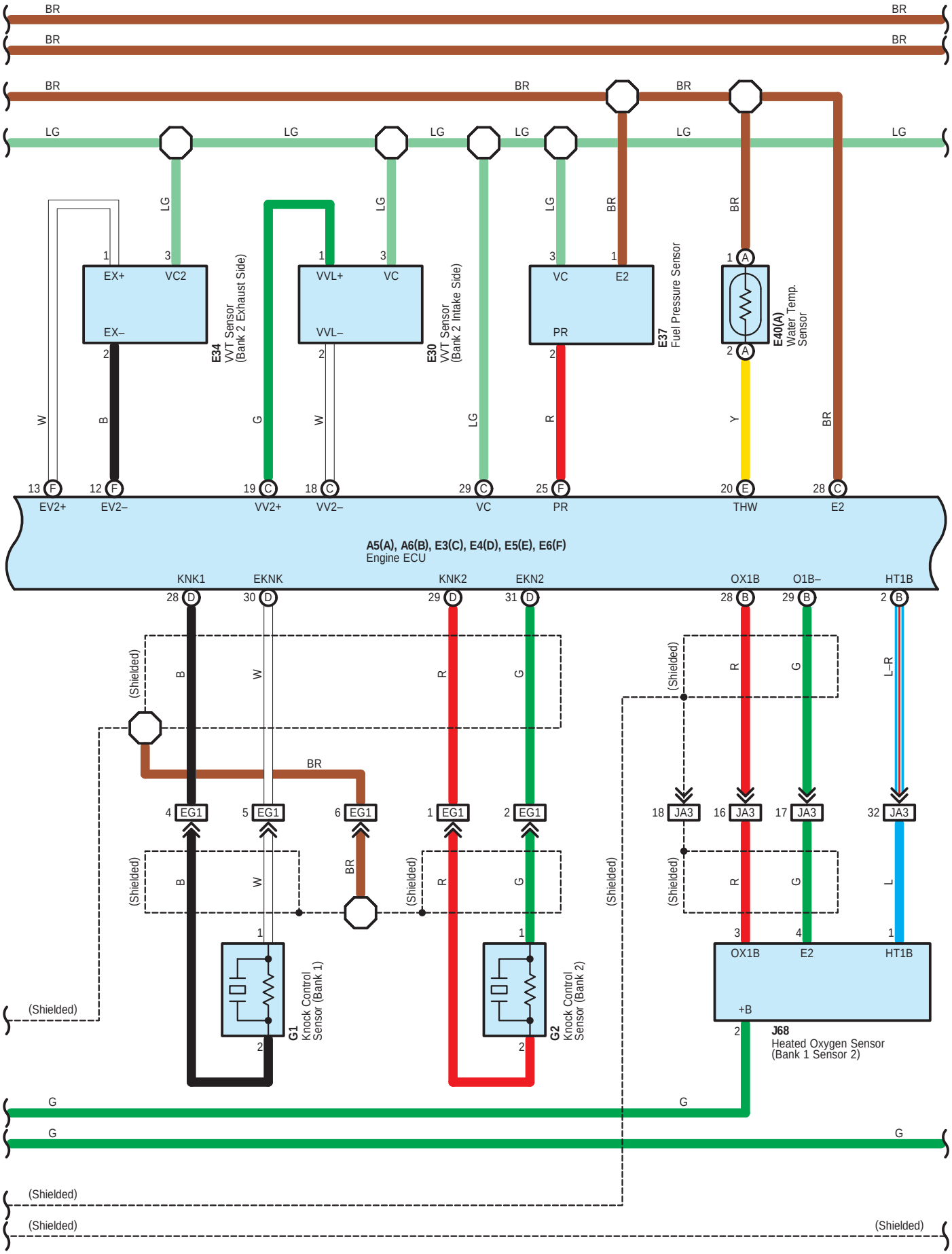

B–R
B–R
B–R
B–R
B
B
L
L
Y
Y
W
B
1 A
2 A
+B
+B2
E26(B), E58(A), H1(D), I1(C)
Injector Driver (EDU)
IJ1–
IJ1+
IJ3–
IJ3+
IJ5–
IJ5+
IJ2–
IJ2+
5 D
2 D
6 D
3 D
4 D
1 D
6 C
3 C
G
R
P
V
B
W
G
R
H2
Fuel Injector (for Direct Injection No. 1)
H3
Fuel Injector (for Direct Injection No. 3)
H4
Fuel Injector (for Direct Injection No. 5)
I2
Fuel Injector (for Direct Injection No. 2)
(Shielded)
(Shielded)
(Shielded)
(Shielded)
B
B
R–G
R–G
B–Y
B–Y
BR
BR
BR
G
G
G
G
H1

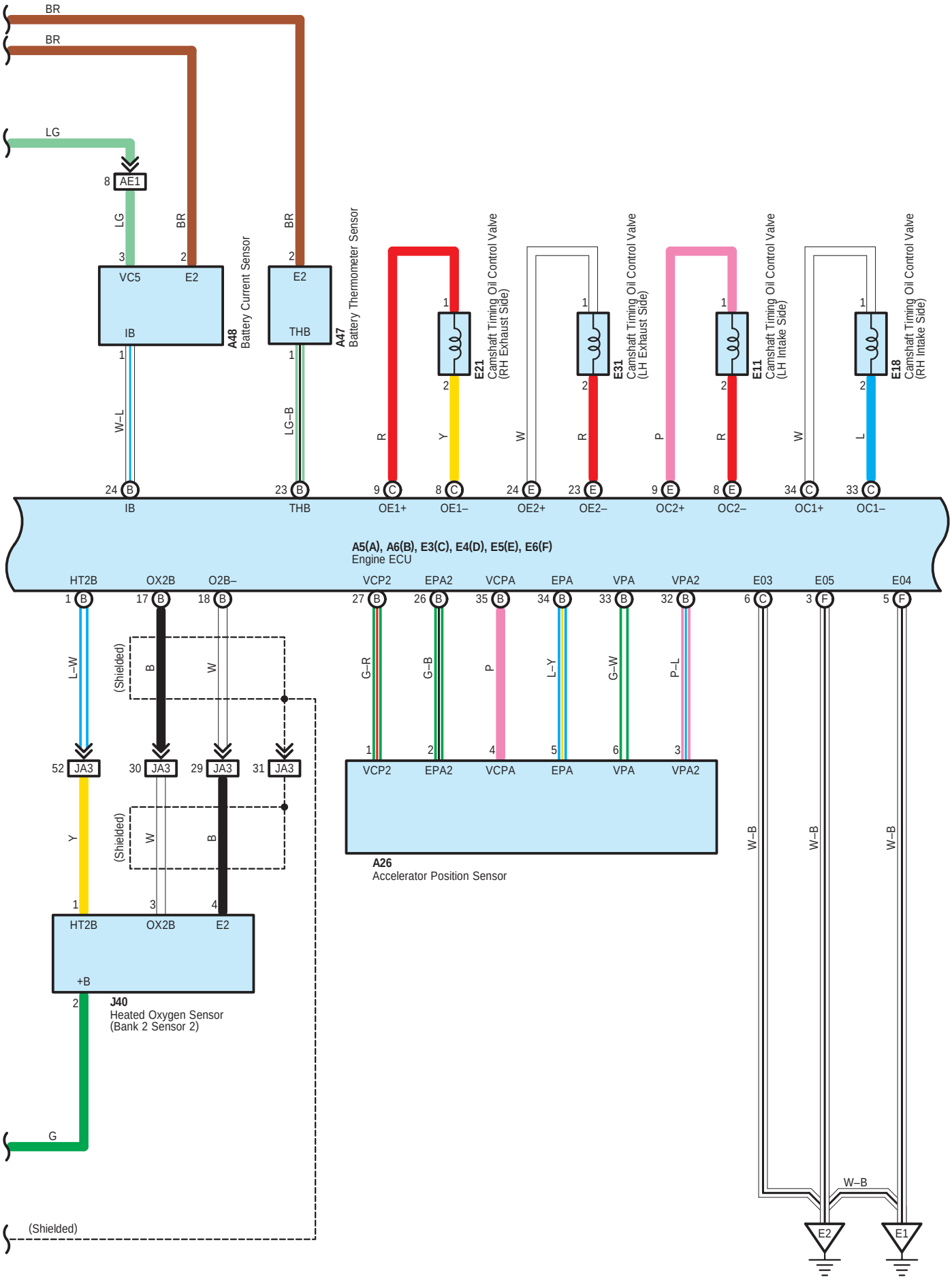

B–R
B–R
B–R
B–R
B
B
L
L
Y
Y
R
L
B
E26(B), E58(A), H1(D), I1(C)
Injector Driver (EDU)
3 B #10
1 B #30
11 B #50
IJ4– IJ4+
IJ6– IJ6+
FP– FP+
#20 #40 #60 INJF FPD FPF1
4 C 1 C
5 C 2 C
4 A 3 A
2 B 12 B 10 B 9 B 8 B 7 B
P V
B W
(Shielded) G R
GR P Y BR G W
W
G
BR
Y
P
GR
I3 Fuel Injector (for Direct Injection No. 4)
I4 Fuel Injector (for Direct Injection No. 6)
E41 Spill Control Valve
(Shielded)
(Shielded)
(Shielded)
BR
B
B
R–G
R–G
B–Y
B–Y
BR
BR
BR
BR
G
G
G
G
I1

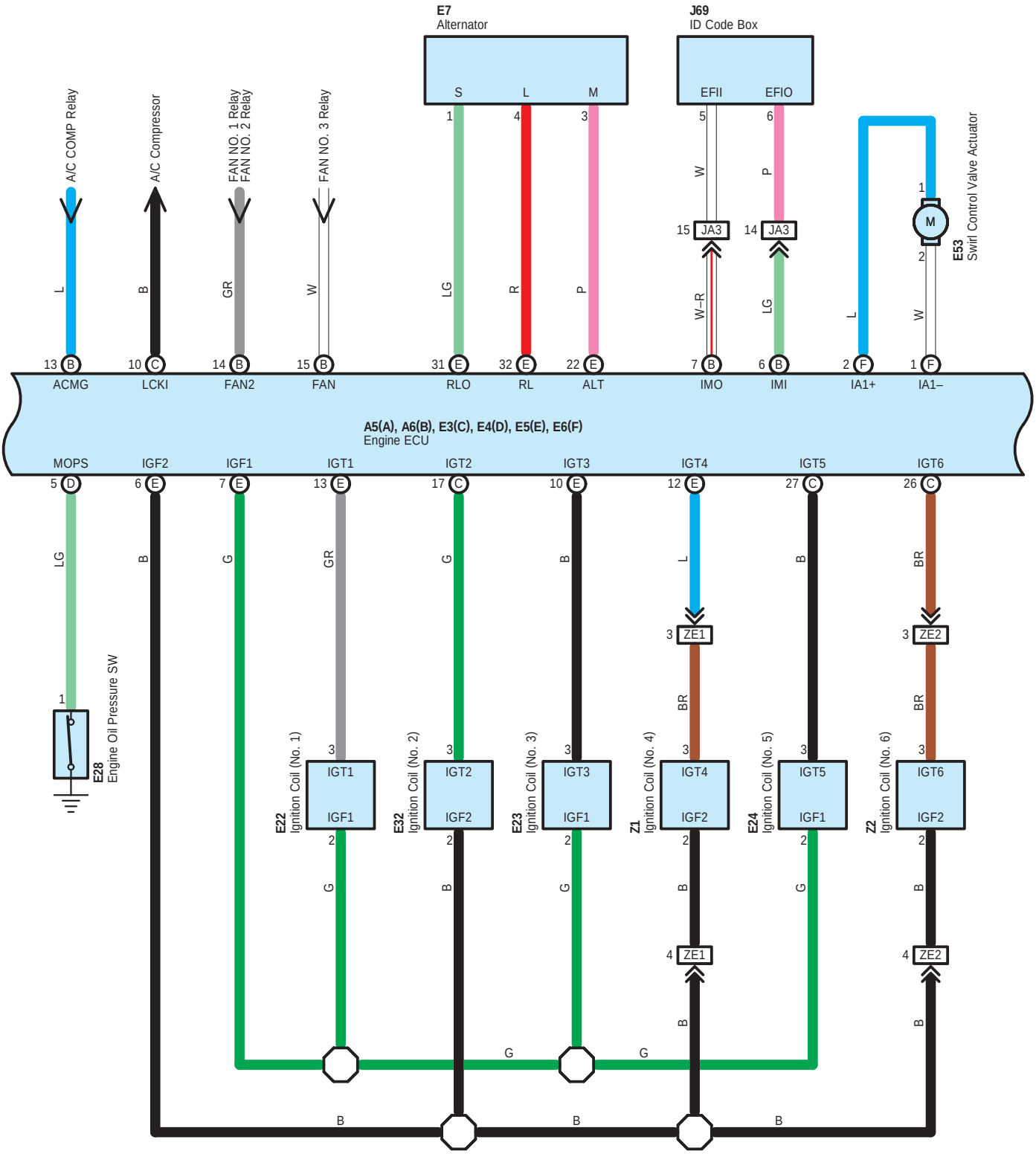

E49
Junction
Connector
E29(A)
Air Flow
Meter
+B
E2
E2G
VG
THA
E15
VSV (Purge)
E50(A)
VSV (ACIS)
#50
#30
#10
+B1
+B
MREL
BATT
PRG
ACIS
E2G
VG
THA
E3
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F)
Engine ECU
FPF1
FPD
INJF
#60
#40
#20
IREL
FC
FPR
EC
NE+
NE–
E1
A9
Junction Connector
E9
Crankshaft Position Sensor
(Shielded)
JA3
A2
J1
*10 : LHD, RHD Before Aug. 2012 Production
*11 : RHD From Aug. 2012 Production

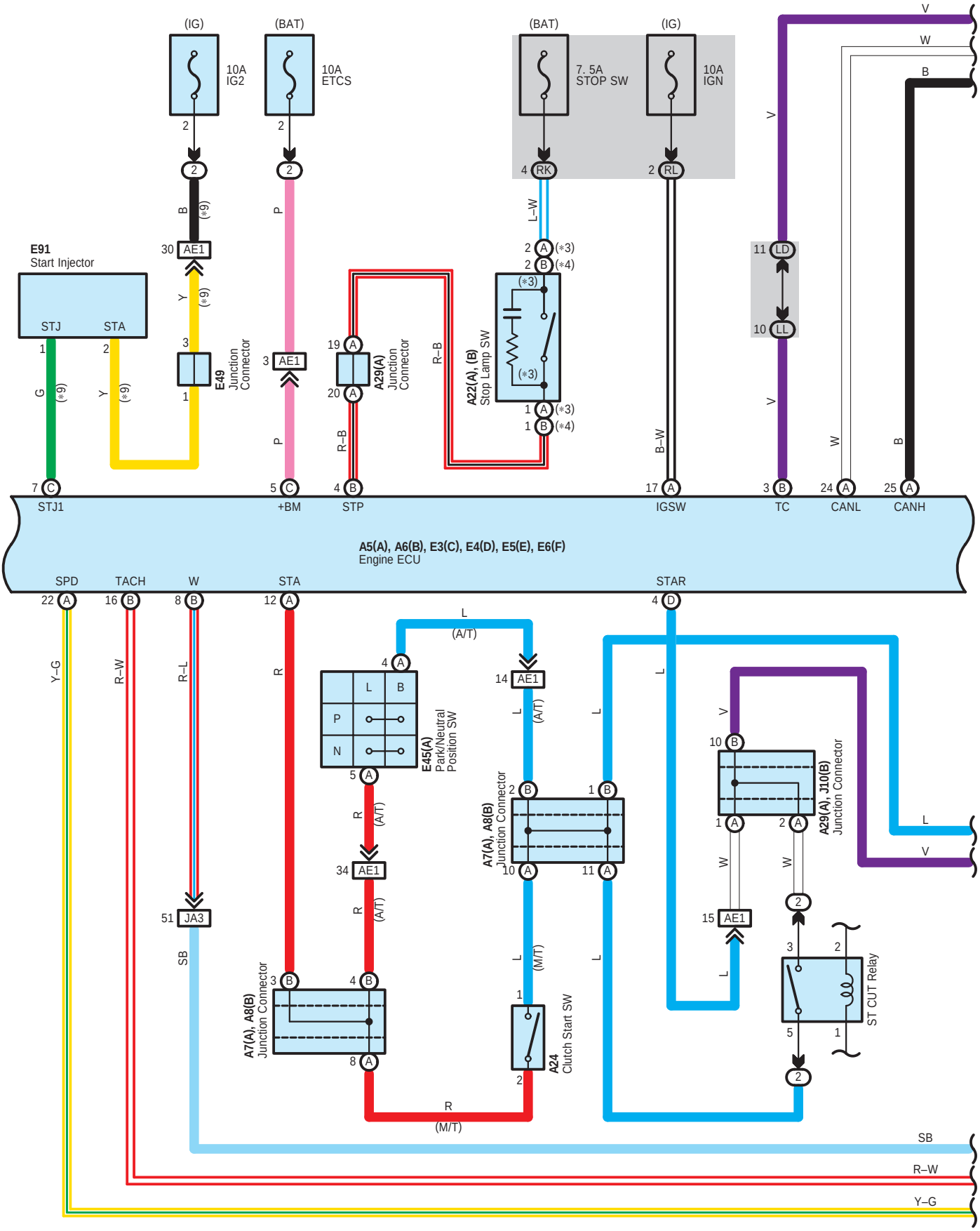

B5
Ambient Temp. Sensor
A7(A), A8(B)
Junction Connector
E17
Throttle Body Assembly
E2
VC
VTA
VTA2
M+
M–
M
BA2
AE1
TAM
VTA1
GE01
VC2
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F)
Engine ECU
E01
E02
MOL
ME01
E43
Engine Oil Level Sensor
A10(A), E1(B)
Junction Connector
(Shielded)
E1
BR
L
BR–R
V–R
LG
P
B
W
W–B
R
G

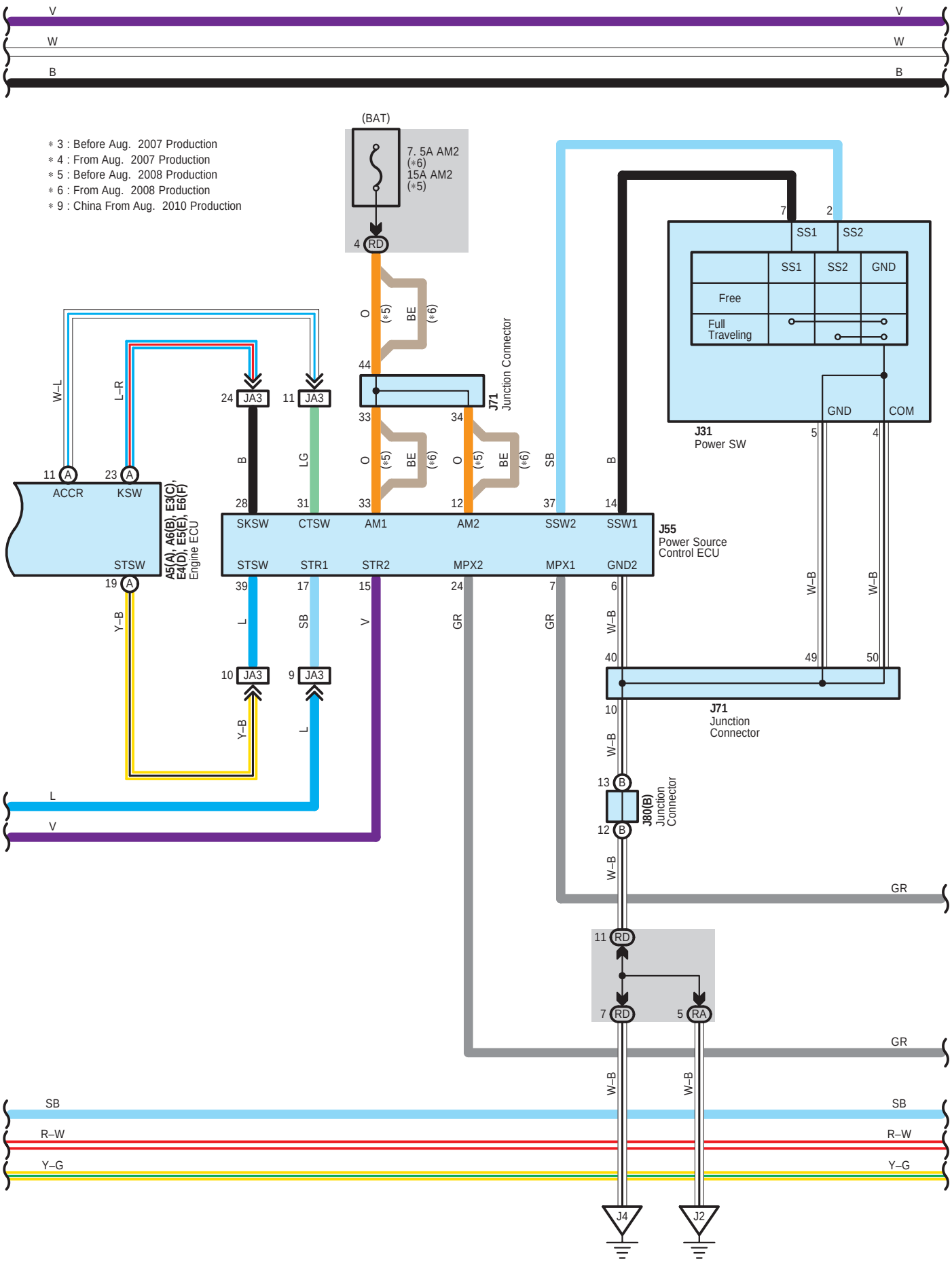

BR
BR
BR
BR
L
L
L
BR
LG
BR
LG
1
3
VVR+
VC
VVR–
2
E19
VVT Sensor (Bank 1 Intake Side)
1
3
EX+
VC2
EX–
2
E25
VVT Sensor (Bank 1 Exhaust Side)
2
1
E2X
VCX
VSX
3
E56
Swirl Control Valve Sensor
Y
P
W
G
G
21 C
20 C
19 E
18 E
31 F
VV1+
VV1–
EV1+
EV1–
IAC1
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F)
Engine ECU
A1A+
A1A–
HA1A
A2A+
A2A–
HA2A
18 F
17 F
6 F
28 F
27 F
4 F
(Shielded)
(Shielded)
(Shielded)
R
G
V
(Shielded)
B
W
R
3
4
1
A1A+
A1A–
HA1A
+B
2
E42
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
3
4
1
A2A+
A2A–
HA2A
+B
2
E38
Air Fuel Ratio Sensor
(Bank 2 Sensor 1)
BR
BR
(Shielded)
(Shielded)
(Shielded)
(Shielded)
BR
G
G
G
G
(Shielded)
(Shielded)

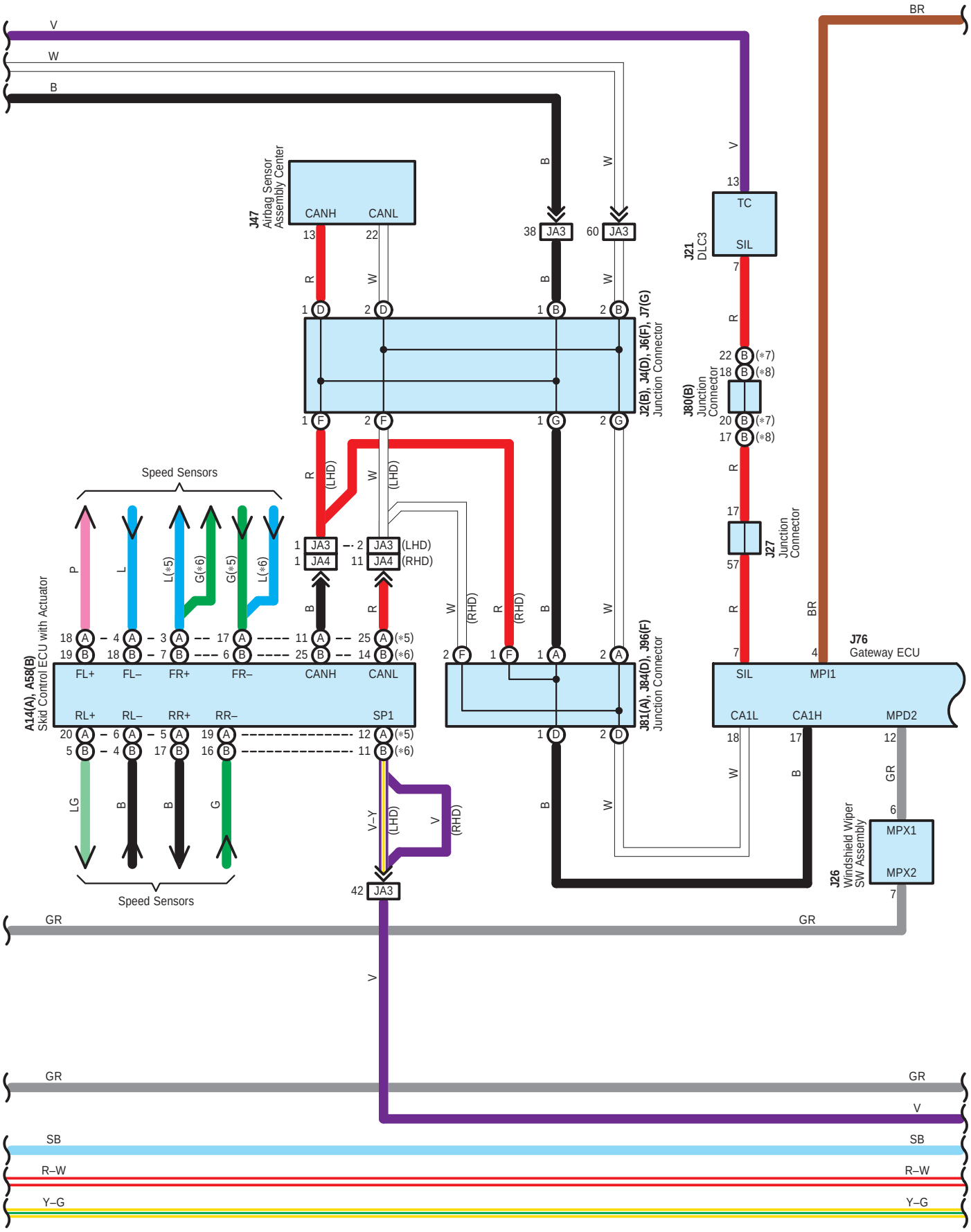

BR
LG
EX+
VC2
EX–
E34
VVT Sensor
(Bank 2 Exhaust Side)
VVL+
VC
VVL–
E30
VVT Sensor
(Bank 2 Intake Side)
VC
E2
PR
E37
Fuel Pressure Sensor
E40(A)
Water Temp.
Sensor
EV2+
EV2–
VV2+
VV2–
THW
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F)
Engine ECU
KNK1
EKNK
KNK2
EKN2
OX1B
O1B–
HT1B
(Shielded)
EG1
JA3
G1
Knock Control
Sensor (Bank 1)
G2
Knock Control
Sensor (Bank 2)
+B
J68
Heated Oxygen Sensor
(Bank 1 Sensor 2)

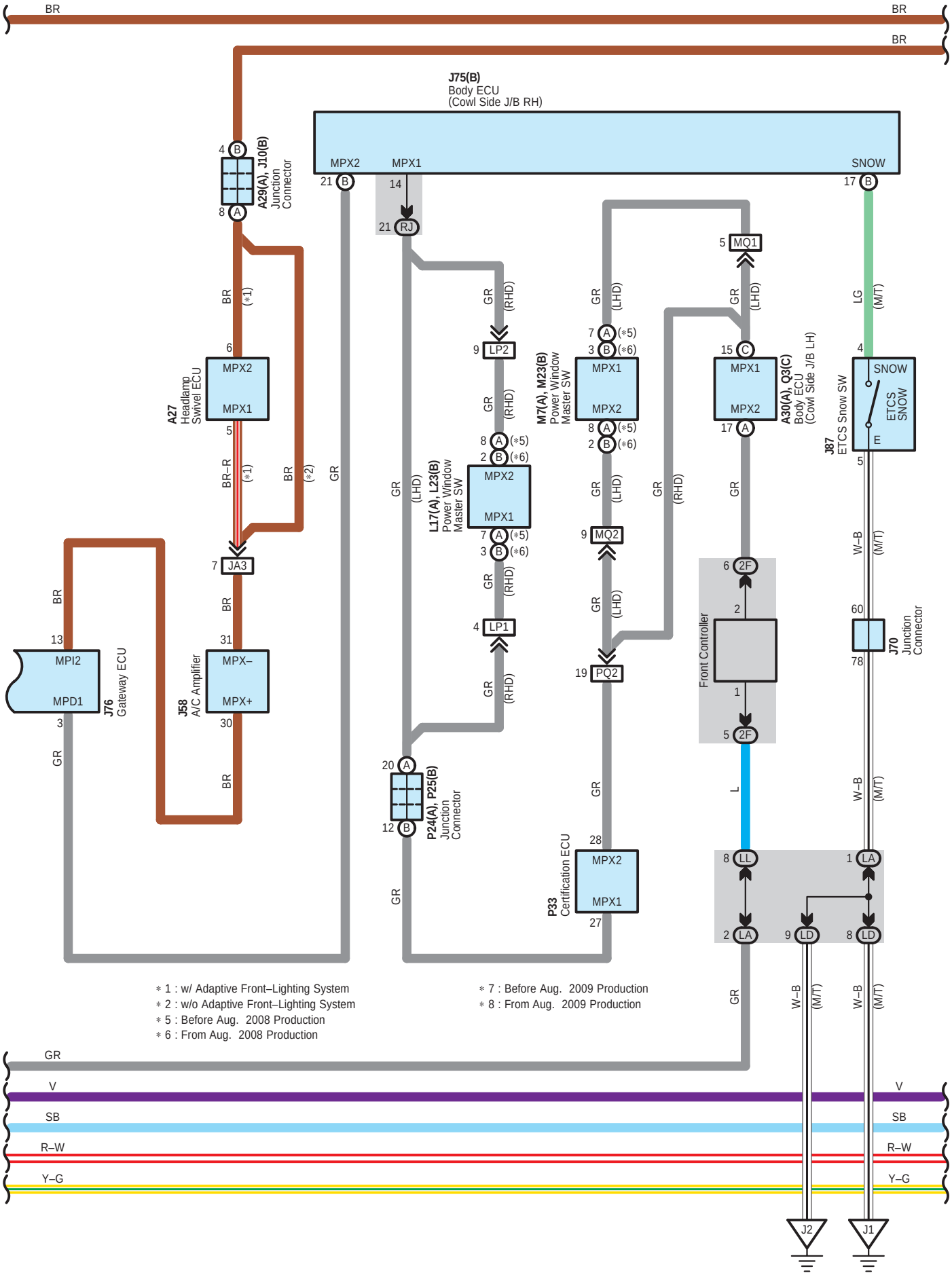

BR
BR
LG
8 AE1
LG
BR
3
2
VC5
E2
IB
A48
Battery Current Sensor
BR
2
E2
THB
A47
Battery Thermometer Sensor
1
W–L
1
LG–B
E21
Camshaft Timing Oil Control Valve
(RH Exhaust Side)
E31
Camshaft Timing Oil Control Valve
(LH Exhaust Side)
E11
Camshaft Timing Oil Control Valve
(LH Intake Side)
E18
Camshaft Timing Oil Control Valve
(RH Intake Side)
R
Y
W
R
P
R
W
L
24 B IB
23 B THB
9 C OE1+
8 C OE1–
24 E OE2+
23 E OE2–
9 E OC2+
8 E OC2–
34 C OC1+
33 C OC1–
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F)
Engine ECU
HT2B
OX2B
O2B–
VCP2
EPA2
VCPA
EPA
VPA
VPA2
E03
E05
E04
1 B
17 B
18 B
27 B
26 B
35 B
34 B
33 B
32 B
6 C
3 F
5 F
L–W
(Shielded)
B
W
G–R
G–B
P
L–Y
G–W
P–L
52 JA3
30 JA3
29 JA3
31 JA3
Y
(Shielded)
W
B
1
3
4
HT2B
OX2B
E2
+B
2
J40
Heated Oxygen Sensor
(Bank 2 Sensor 2)
G
(Shielded)
1
2
4
5
6
3
VCP2
EPA2
VCPA
EPA
VPA
VPA2
A26
Accelerator Position Sensor
W–B
W–B
W–B
W–B
E2
E1


E7
Alternator
S
L
M
J69
ID Code Box
EFII
EFIO
A/C COMP Relay
A/C Compressor
FAN NO. 1 Relay
FAN NO. 2 Relay
FAN NO. 3 Relay
E53
Swirl Control Valve Actuator
JA3
ACMG
LCKI
FAN2
FAN
RLO
RL
ALT
IMO
IMI
IA1+
IA1–
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F)
Engine ECU
MOPS
IGF2
IGF1
IGT1
IGT2
IGT3
IGT4
IGT5
IGT6
ZE1
ZE2
E28
Engine Oil Pressure SW
E22
Ignition Coil (No. 1)
E32
Ignition Coil (No. 2)
E23
Ignition Coil (No. 3)
Z1
Ignition Coil (No. 4)
E24
Ignition Coil (No. 5)
Z2
Ignition Coil (No. 6)

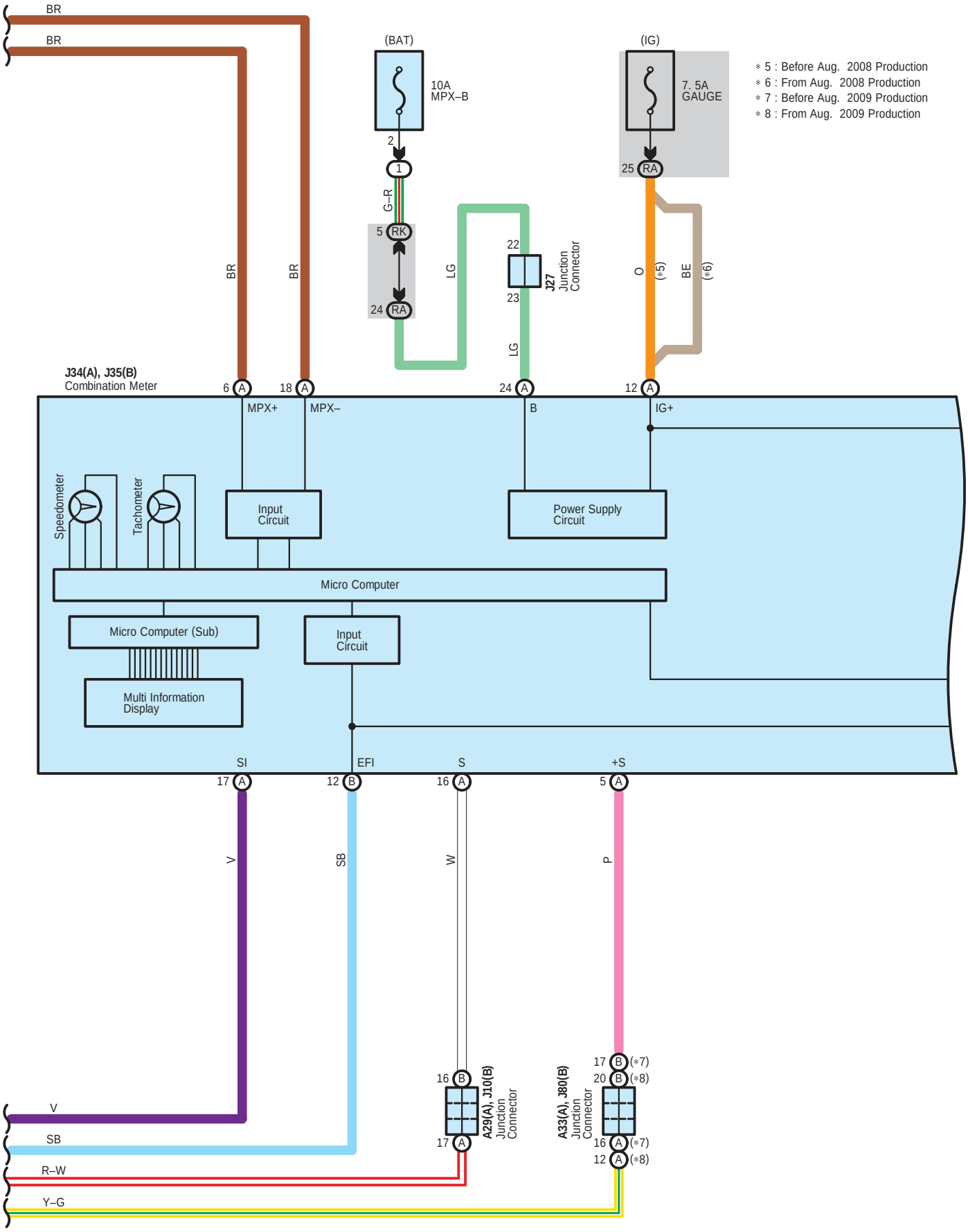

(IG)
10A
IG2
(BAT)
10A
ETCS
(BAT)
7. 5A
STOP SW
(IG)
10A
IGN
E91
Start Injector
STJ
STA
E49
Junction
Connector
A29(A)
Junction
Connector
A22(A), (B)
Stop Lamp SW
AE1
RK
RL
LD
LL
STJ1
+BM
STP
IGSW
TC
CANL
CANH
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F)
Engine ECU
SPD
TACH
W
STA
STAR
E45(A)
Park/Neutral
Position SW
A7(A), A8(B)
Junction Connector
A29(A), J10(B)
Junction Connector
JA3
A24
Clutch Start SW
ST CUT Relay
(A/T)
(M/T)
SB
R–W
Y–G

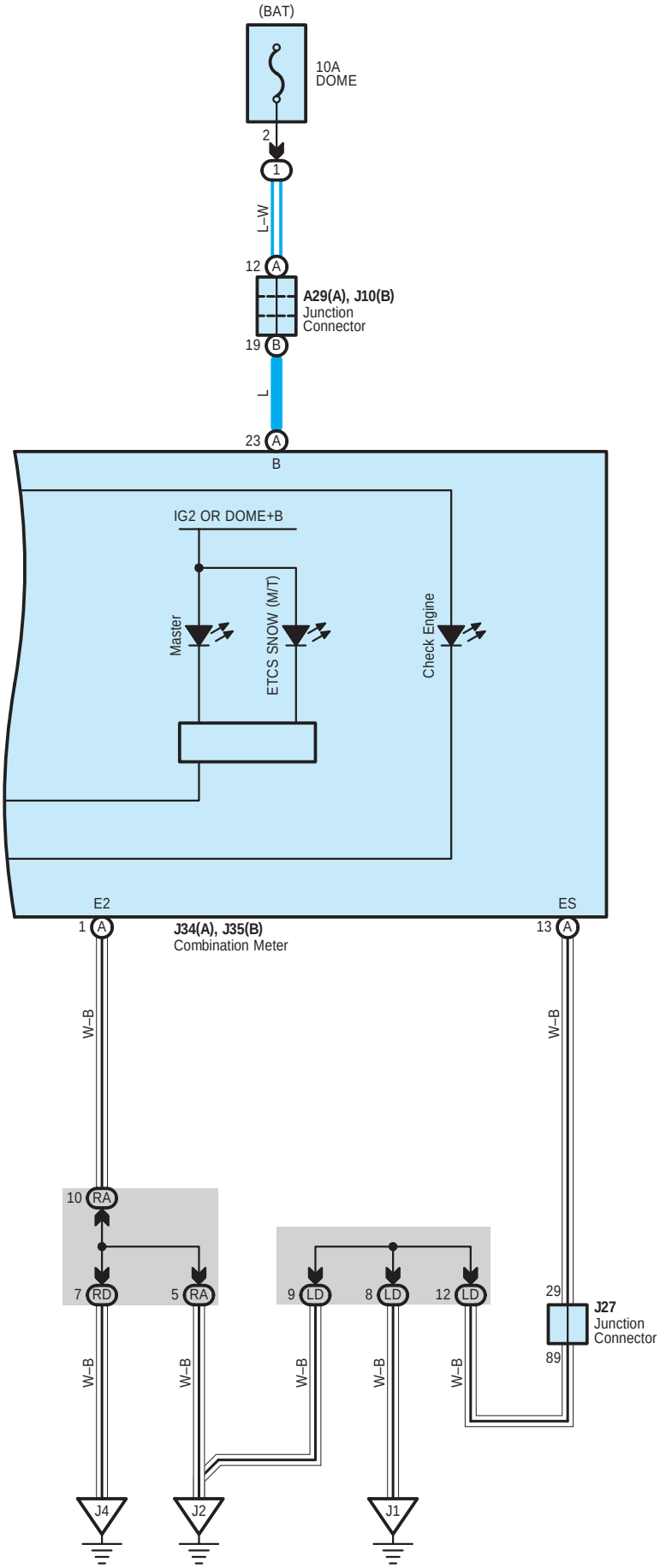

V
W
B
(BAT)
7. 5A AM2 (*6)
15A AM2 (*5)
4 RD
* 3 : Before Aug. 2007 Production
* 4 : From Aug. 2007 Production
* 5 : Before Aug. 2008 Production
* 6 : From Aug. 2008 Production
* 9 : China From Aug. 2010 Production
O (*5) BE (*6)
44
J71 Junction Connector
33 34
24 JA3
11 JA3
W–L
L–R
B
LG
O (*5) BE (*6)
SB
11 A ACCR
23 A KSW
STSW
19 A
A5(A), A6(B), E3(C), E4(D), E5(E), E6(F) Engine ECU
28 SKSW
31 CTSW
33 AM1
12 AM2
37 SSW2
14 SSW1
J55 Power Source Control ECU
39 STSW
17 STR1
15 STR2
24 MPX2
7 MPX1
6 GND2
Y–B
L
SB
V
GR
GR
W–B
10 JA3
9 JA3
Y–B
L
7 SS1
2 SS2
SS1 SS2 GND
Free
Full Traveling
GND COM
J31 Power SW
5 4
W–B
W–B
40 49 50
J71 Junction Connector
10
W–B
13 B
12 B
J80(B) Junction Connector
W–B
GR
11 RD
7 RD
5 RA
GR
W–B
W–B
SB
R–W
Y–G
J4
J2


V
W
B
BR
J47
Airbag Sensor
Assembly Center
CANH
CANL
13
22
38 JA3
60 JA3
J21
DLC3
TC
SIL
7
R
W
B
1 D
2 D
1 B
2 B
J2(B), J4(D), J6(F), J7(G)
Junction Connector
1 F
2 F
1 G
2 G
22 B (*7)
18 B (*8)
J80(B)
Junction
Connector
20 B (*7)
17 B (*8)
17
57
J27
Junction
Connector
(LHD)
(RHD)
Speed Sensors
P
L
L(*5)
G(*6)
G(*5)
L(*6)
1 JA3
1 JA4
2 JA3 (LHD)
11 JA4 (RHD)
A14(A), A58(B)
Skid Control ECU with Actuator
18 A
19 B
4 A
18 B
3 A
7 B
17 A
6 B
11 A
25 B
25 A (*5)
14 B (*6)
FL+
FL–
FR+
FR–
CANH
CANL
RL+
RL–
RR+
RR–
SP1
20 A
5 B
6 A
4 B
5 A
17 B
19 A
16 B
12 A (*5)
11 B (*6)
LG
G
V–Y
J81(A), J84(D), J96(F)
Junction Connector
2 F
1 F
1 A
2 A
1 D
2 D
J76
Gateway ECU
SIL
MPI1
CA1L
CA1H
MPD2
4
18
17
12
GR
6
J26
Windshield Wiper
SW Assembly
MPX1
MPX2
7
42 JA3
SB
R–W
Y–G

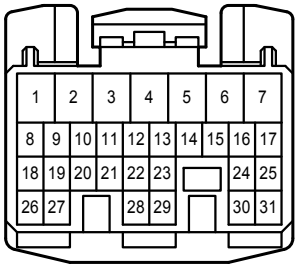


* 1 : w/ Adaptive Front–Lighting System
* 2 : w/o Adaptive Front–Lighting System
* 5 : Before Aug. 2008 Production
* 6 : From Aug. 2008 Production
* 7 : Before Aug. 2009 Production
* 8 : From Aug. 2009 Production

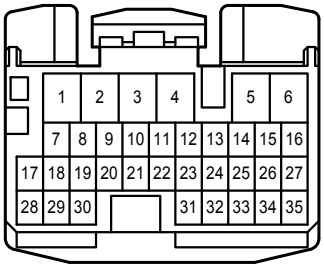

BR
BR
(BAT)
10A
MPX–B
(IG)
7. 5A
GAUGE
∗ 5 : Before Aug. 2008 Production
∗ 6 : From Aug. 2008 Production
∗ 7 : Before Aug. 2009 Production
∗ 8 : From Aug. 2009 Production
2
1
G–R
5 RK
24 RA
25 RA
BR
BR
LG
22
23
J27
Junction
Connector
LG
O
(∗5)
BE
(∗6)
J34(A), J35(B)
Combination Meter
6 A
18 A
24 A
12 A
MPX+
MPX–
B
IG+
Speedometer
Tachometer
Input
Circuit
Power Supply
Circuit
Micro Computer
Micro Computer (Sub)
Input
Circuit
Multi Information
Display
SI
EFI
S
+S
17 A
12 B
16 A
5 A
V
SB
W
P
16 B
17 A
A29(A), J10(B)
Junction
Connector
A33(A), J80(B)
Junction
Connector
17 B (∗7)
20 B (∗8)
16 A (∗7)
12 A (∗8)
V
SB
R–W
Y–G


(BAT)
10A
DOME
2
1
L–W
12 A
A29(A), J10(B)
Junction
Connector
19 B
L
23 A
B
IG2 OR DOME+B
Master
ETCS SNOW (M/T)
Check Engine
E2
ES
1 A
J34(A), J35(B)
Combination Meter
13 A
W–B
W–B
10 RA
7 RD
5 RA
9 LD
8 LD
12 LD
29
J27
Junction
Connector
89
W–B
W–B
W–B
W–B
W–B
J4
J2
J1

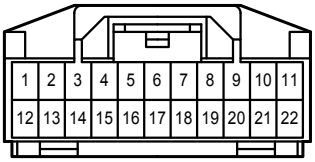
A 5
White



A 6
White

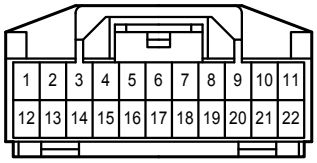


A 7
Blue



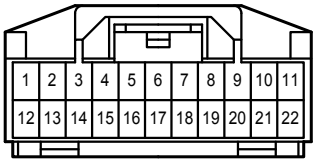
(3GR-FE, 2GR-FSE, 4GR-FSE)

A 7
White



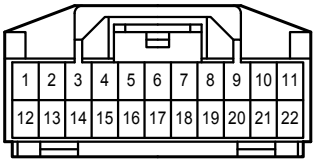
(2AD-FHV, 2AD-FTV)

A 8
Blue



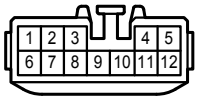
(3GR-FE, 2GR-FSE, 4GR-FSE)

A 8
White

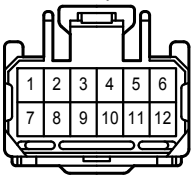


(2AD-FHV, 2AD-FTV)

A 9
White

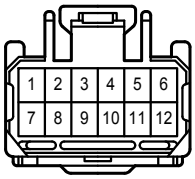


A 10
Gray



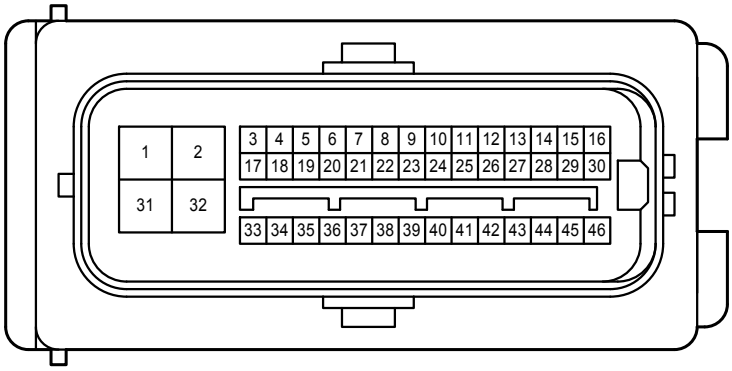
(3GR-FE, 2GR-FSE, 4GR-FSE)

A 10
White

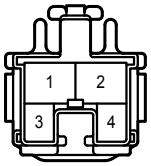


(2AD-FHV, 2AD-FTV)

A 14
Black

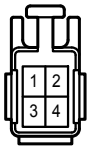


A 22
White



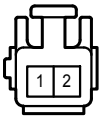
(Before Aug. 2007 Production)

A 22
Green

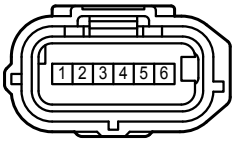


(From Aug. 2007 Production)

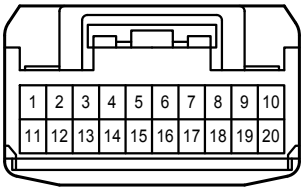
A 24
Black



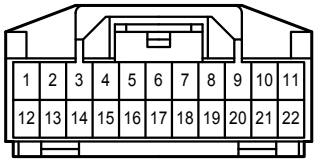
A 26
Black



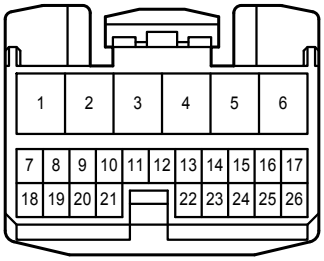
A 27
White



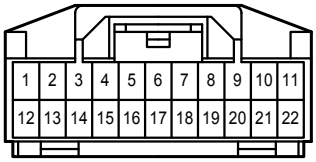
A 29
Blue



A 30
White

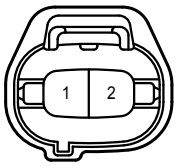


A 33
Blue

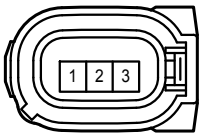


A 40
Black

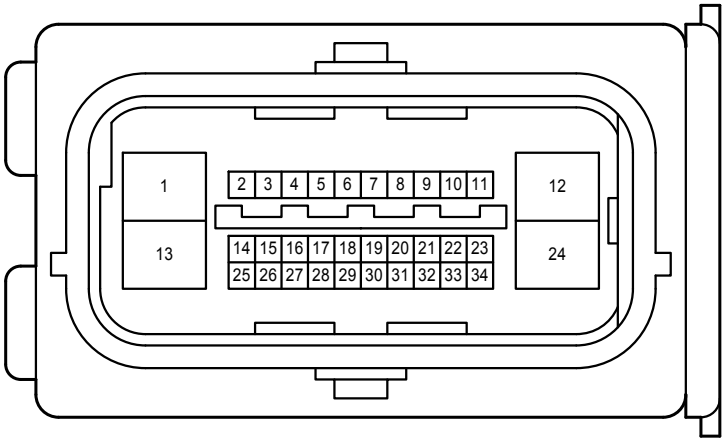
A 47
Black



A 48
Black

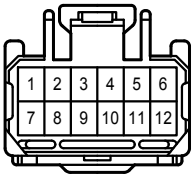


A 58
Black

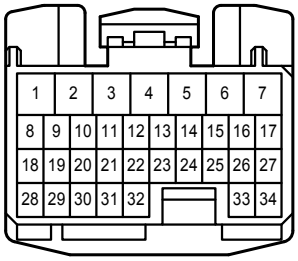


B 5
Black

E 1
Gray

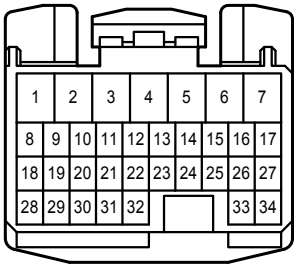


E 3
White



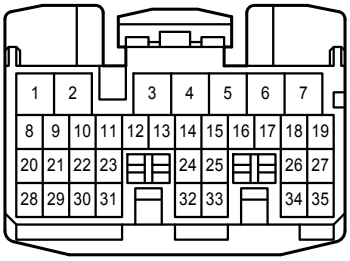
(4GR-FSE)

E 3
White



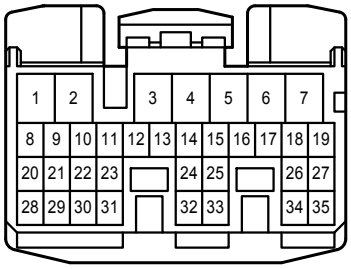
(2GR-FSE, 3GR-FE)

E 4
White



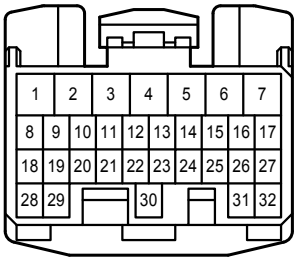
(4GR-FSE)

E 4
White



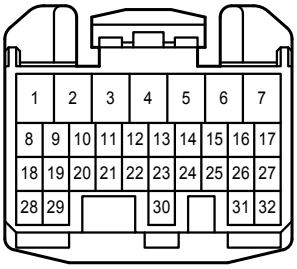
(2GR-FSE, 3GR-FE)

E 5
White



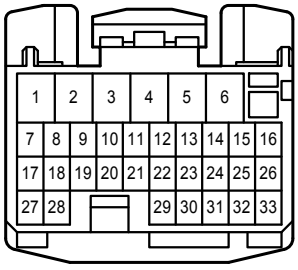
(4GR-FSE)

E 5
White



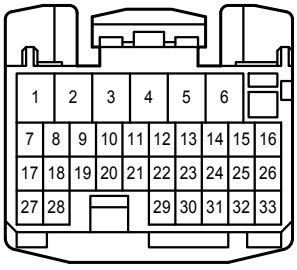
(2GR-FSE, 3GR-FE)

E 6
White



(4GR-FSE)

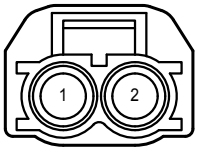
E 6
White



(2GR-FSE, 3GR-FE)

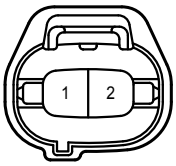
E 7
Black

E 9
Black

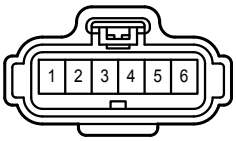


E 11
Black

E 15
Black

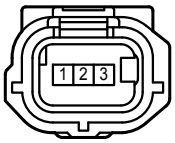


E 17
Black



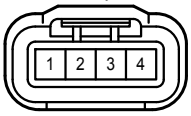
E 18
Black

E 19
Black

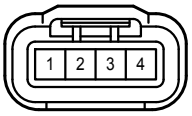


E 21
Black

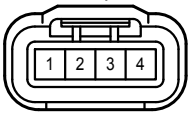
E 22
Gray



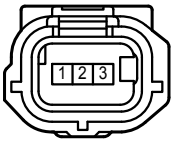
E 23
Black



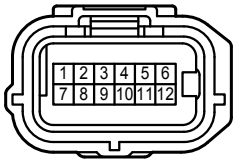
E 24
Gray



E 25
Black



E 26
Black

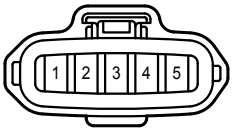


E 28
Gray

E 29
Black

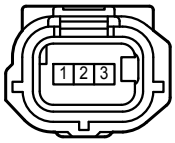
(2GR-FSE, 4GR-FSE)

E 29
Black



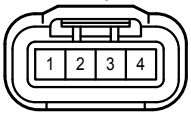
(3GR-FE)

E 30
Black

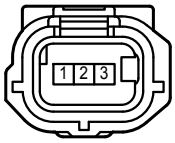


E 31
Black

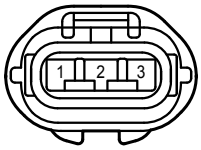
E 32
Gray



E 34
Black



E 37
Black



E 38
Dark Gray

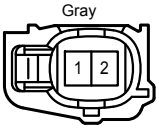
E 40
Dark Gray

(2GR-FSE, 3GR-FE)

E 40
Gray

(4GR-FSE, 2AD-FHV, 2AD-FTV)

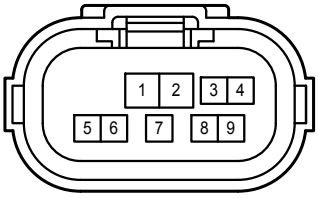
E 41
Gray



E 42
Dark Gray

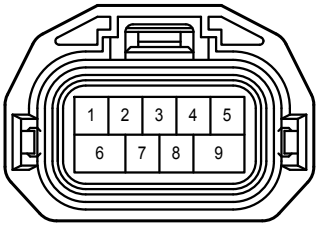
E 43
Gray

E 45
Gray



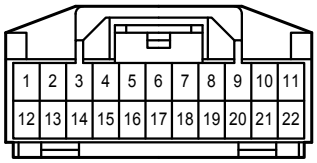
(2GR-FSE, 4GR-FSE)

E 45
Gray

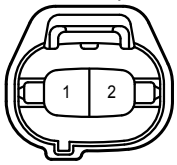


(3GR-FE)

E 49
Black



E 50
Dark Gray

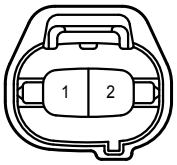


(4GR-FSE)

E 50
Black

(3GR-FE)

E 53
Black

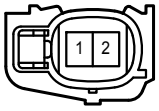


E 56
Gray

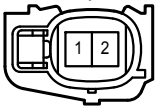
E 58
Gray

E 91
Black

G 1
Black



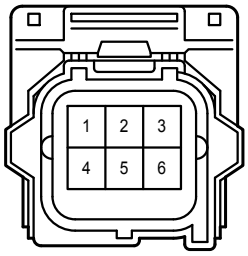
G 2
Gray



H 1
Black

(4GR-FSE)

H 1
Black



(2GR-FSE)

H 2
Black

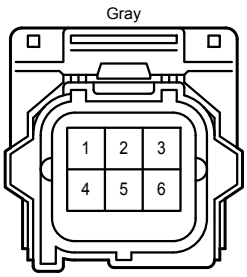
H 3
Black

H 4
Black

I 1
Gray

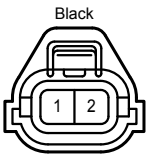
(4GR-FSE)

I 1
Gray

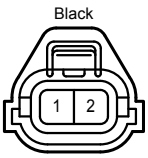


(2GR-FSE)

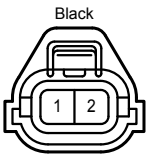
I 2
Black



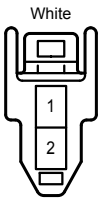
I 3
Black



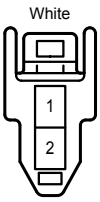
I 4
Black



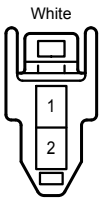
J 2
White



J 4
White



J 6
White



J 7
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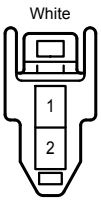
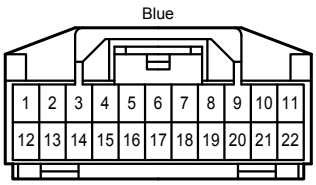


J 10
Blue



J 21
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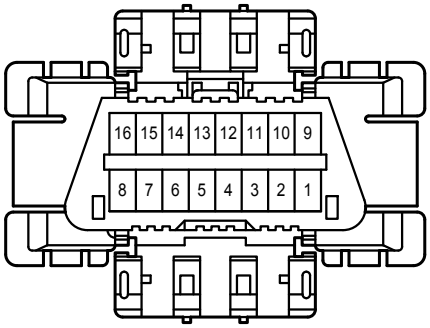

J 26
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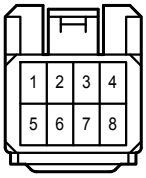

J 27
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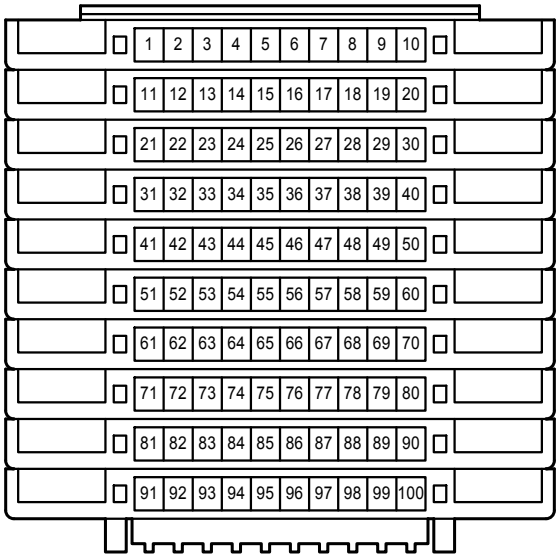
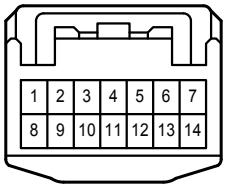
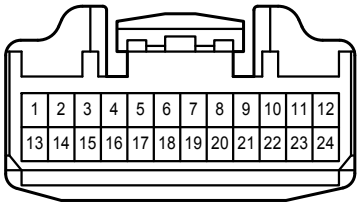


J 31
Black



J 34
Black



J 35
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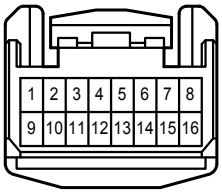
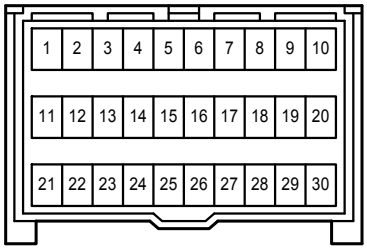
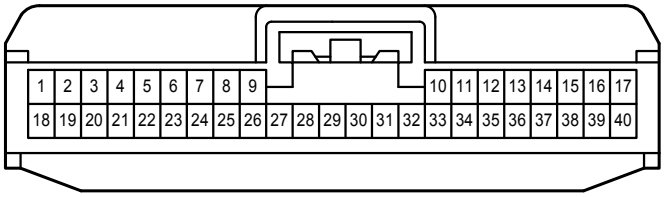


J 40
Dark Gray

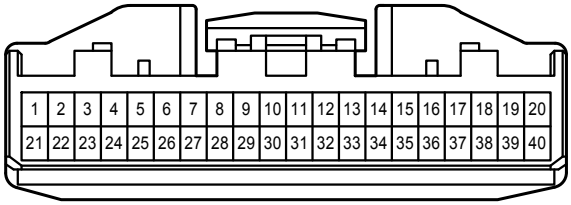
J 47
Yellow



J 55
White

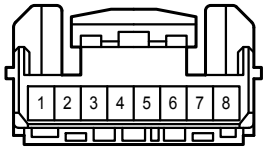


J 58
White

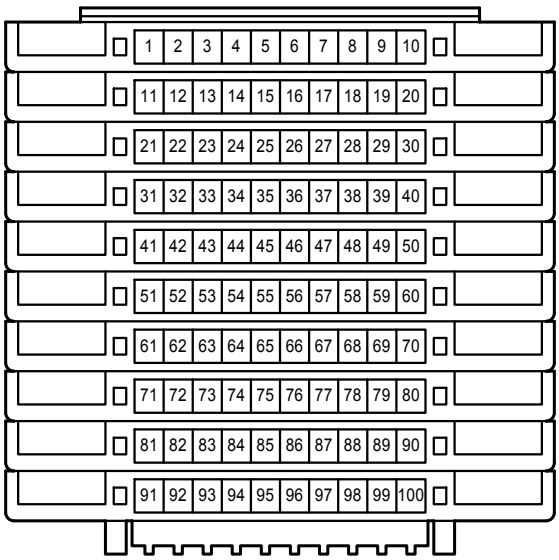


J 68
Dark Gray

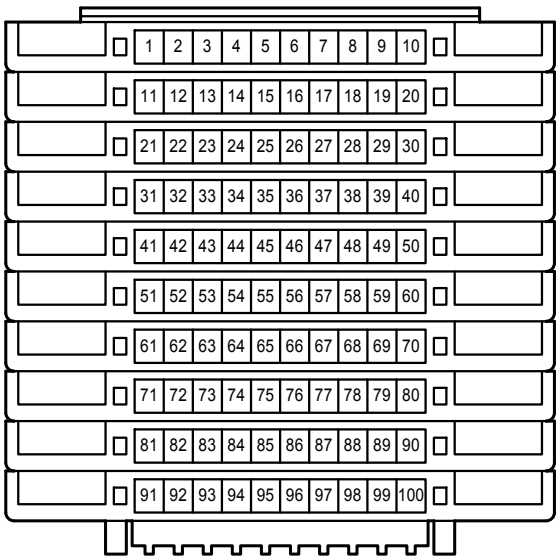
J 69
White



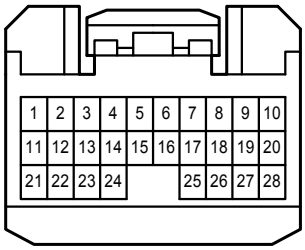
J 70
White



J 71
White



J 75
White



J 76
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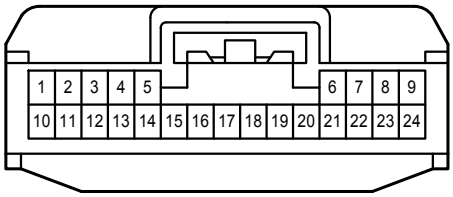

J 80
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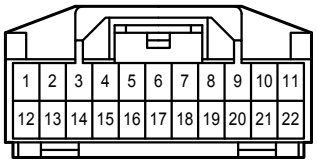
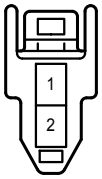


J 81
White



J 84
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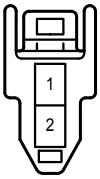
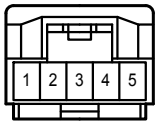
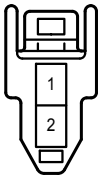


J 87
Blue



J 96
White



L 17
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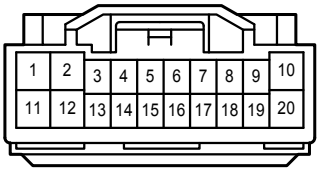

L 23
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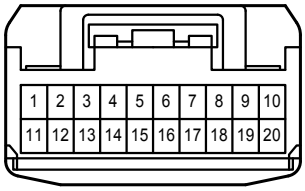

M 7
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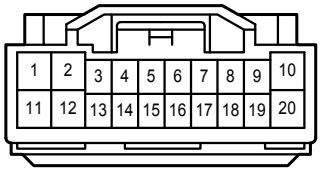

M 23
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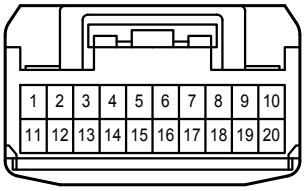

P 24
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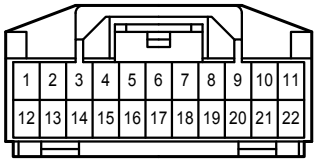

P 25
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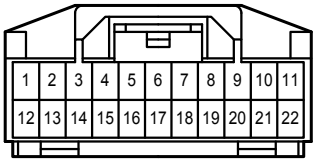

P 33
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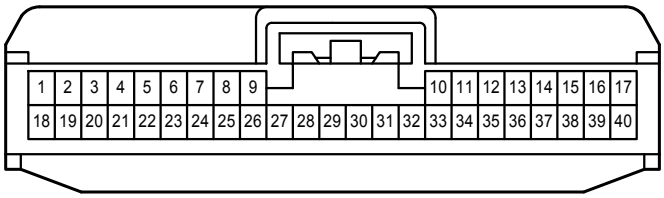

Q 3
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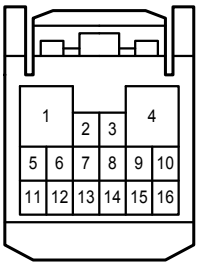
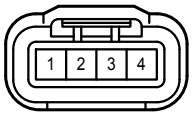
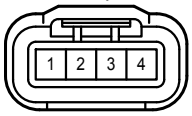


Q 14
White

Z 1
Black



Z 2
Gray



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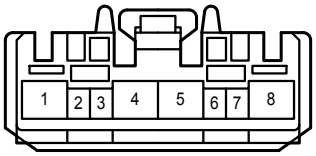

2B
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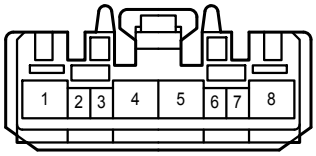
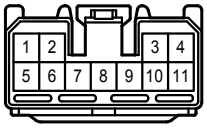


2F
Black



LA
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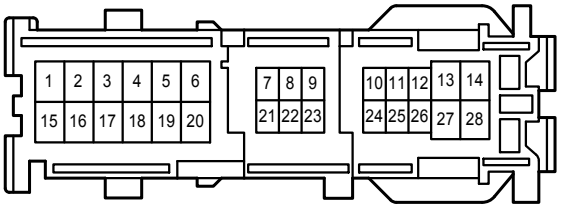

LD
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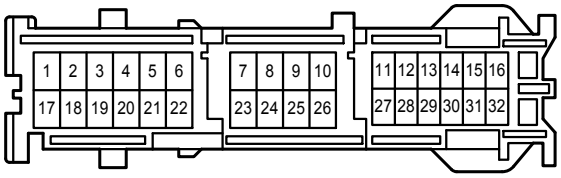

LL
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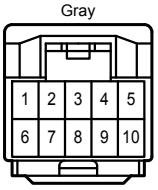

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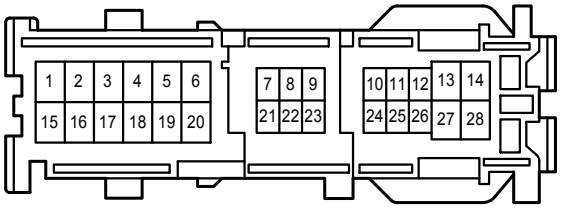

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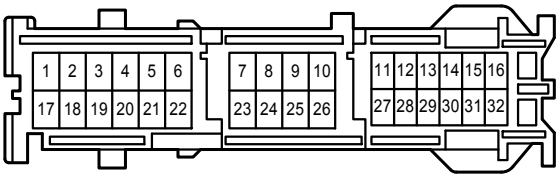

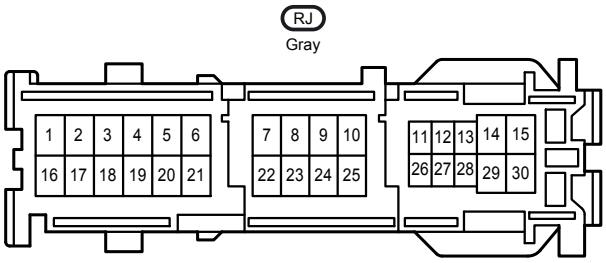
RJ
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7 8 9 10
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11 12 13 14 15
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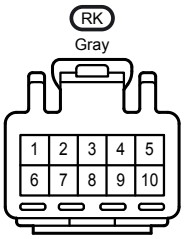
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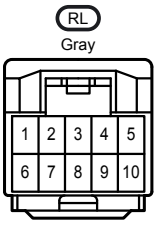
RL
Gray
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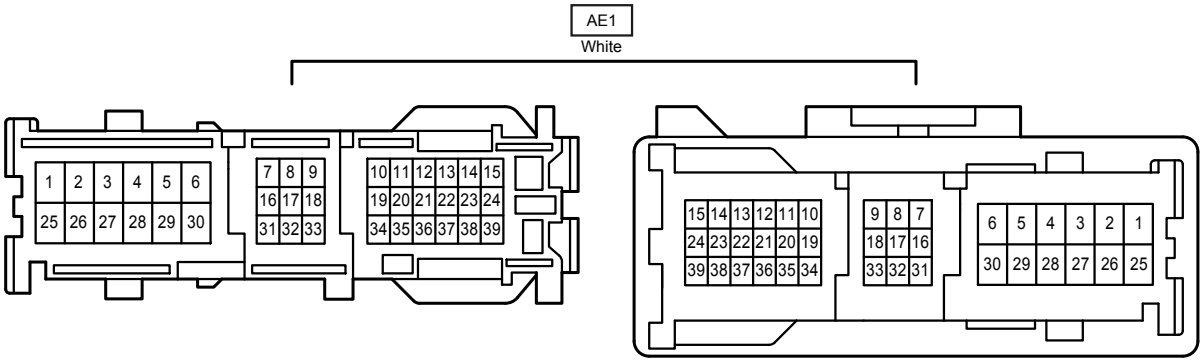
6 7 8 9 10


AE1
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7 8 9
16 17 18
31 32 33
10 11 12 13 14 15
19 20 21 22 23 24
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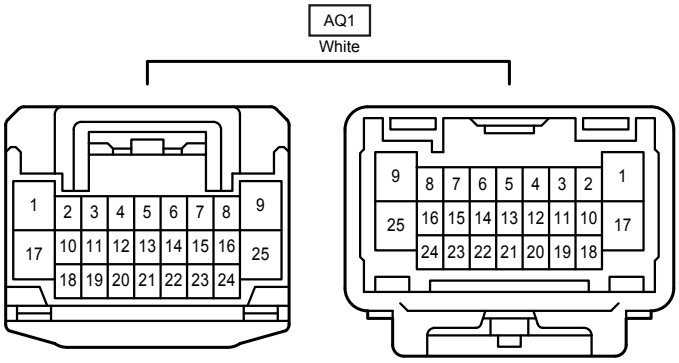
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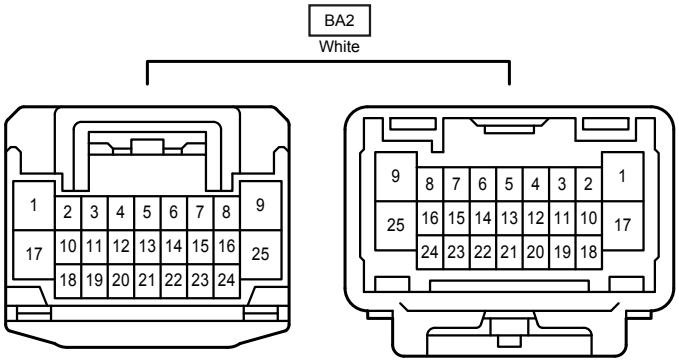
BA2
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9 8 7 6 5 4 3 2 1
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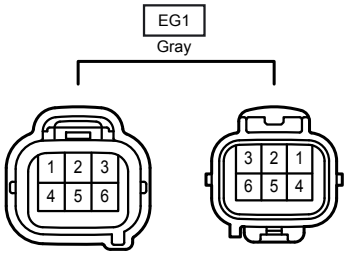
EG1
Gray
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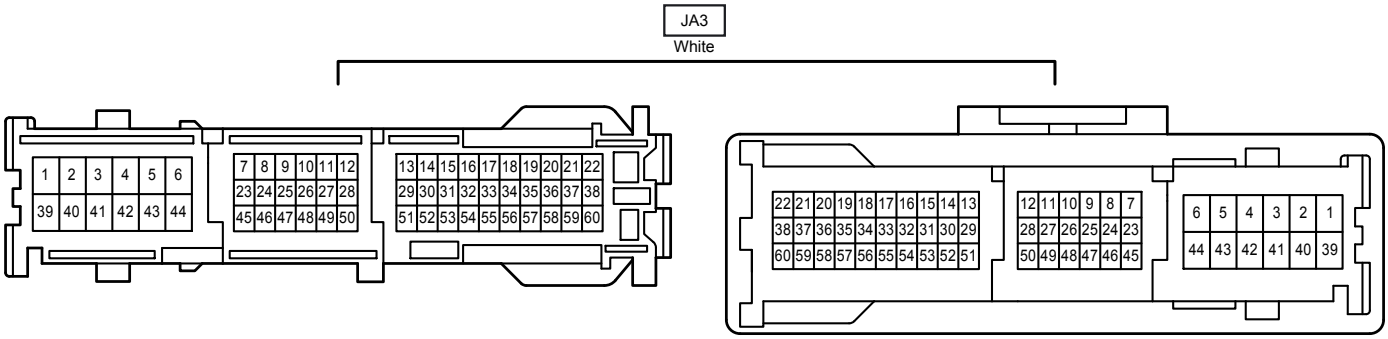
4 5 6
3 2 1
6 5 4


JA3
White
1 2 3 4 5 6
39 40 41 42 43 44
7 8 9 10 11 12
23 24 25 26 27 28
45 46 47 48 49 50
13 14 15 16 17 18 19 20 21 22
29 30 31 32 33 34 35 36 37 38
51 52 53 54 55 56 57 58 59 60
22 21 20 19 18 17 16 15 14 13
38 37 36 35 34 33 32 31 30 29
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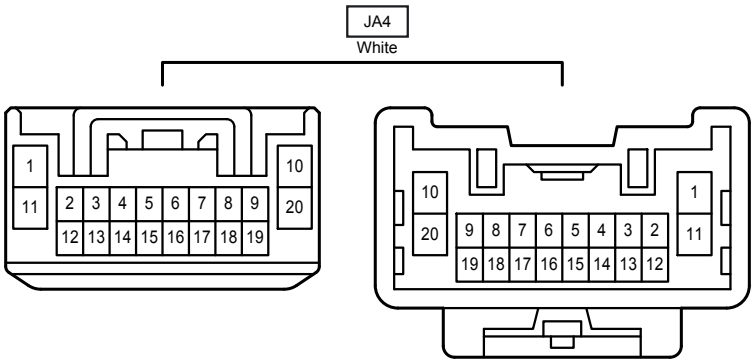
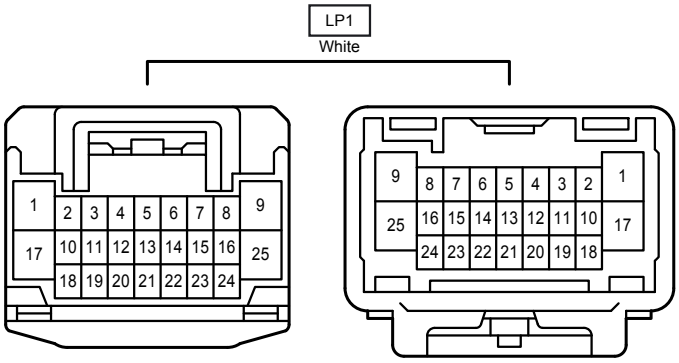
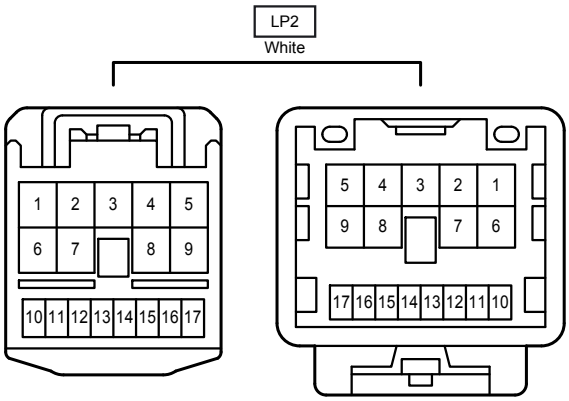

JA4
White
1
10
11
2 3 4 5 6 7 8 9
20
12 13 14 15 16 17 18 19
10
1
20
9 8 7 6 5 4 3 2
11
19 18 17 16 15 14 13 12


LP1
White
1
2 3 4 5 6 7 8
9
17
10 11 12 13 14 15 16
25
18 19 20 21 22 23 24
9
8 7 6 5 4 3 2
1
25
16 15 14 13 12 11 10
17
24 23 22 21 20 19 18


LP2
White
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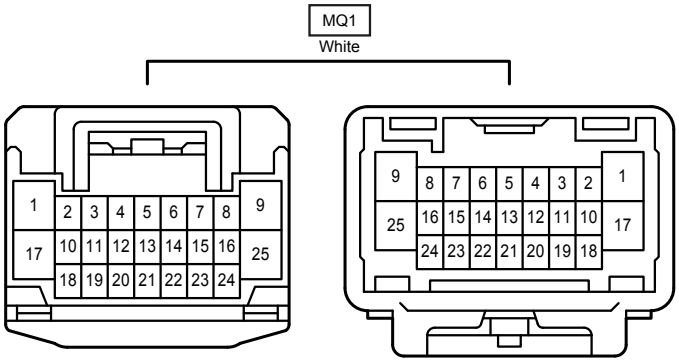
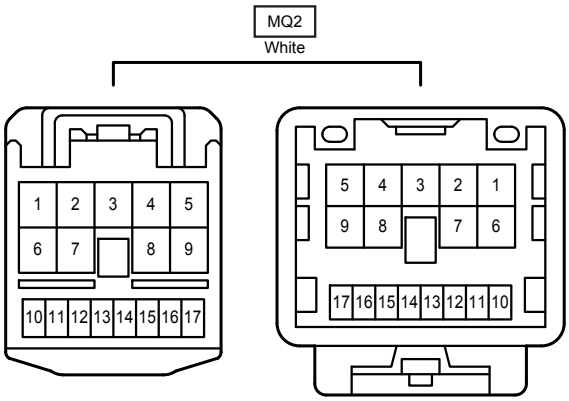
6 7 8 9
10 11 12 13 14 15 16 17
5 4 3 2 1
9 8 7 6
17 16 15 14 13 12 11 10


MQ1
White
1
2 3 4 5 6 7 8
9
17
10 11 12 13 14 15 16
25
18 19 20 21 22 23 24
9
8 7 6 5 4 3 2
1
25
16 15 14 13 12 11 10
17
24 23 22 21 20 19 18


MQ2
White
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6 7 8 9
10 11 12 13 14 15 16 17
5 4 3 2 1
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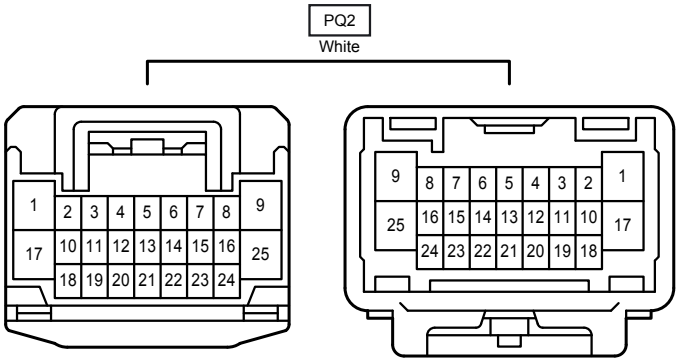
PQ2
White
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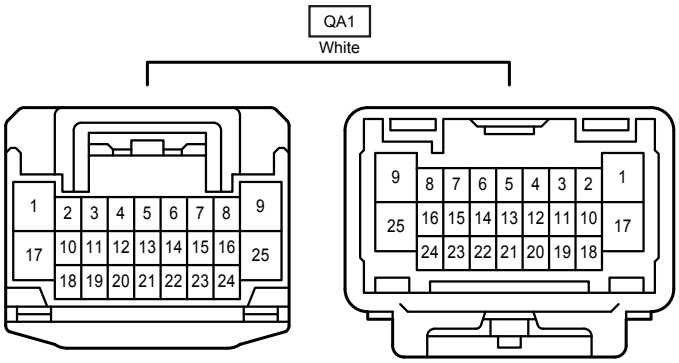
18 19 20 21 22 23 24
9 8 7 6 5 4 3 2 1
25 16 15 14 13 12 11 10 17
24 23 22 21 20 19 18


QA1
White
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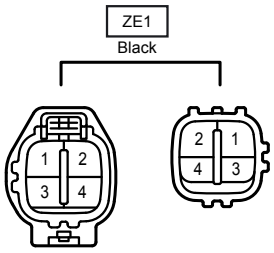
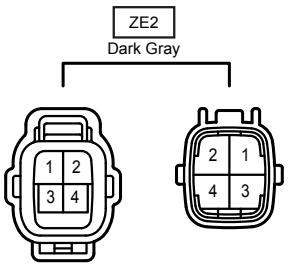
17 10 11 12 13 14 15 16 25
18 19 20 21 22 23 24
9 8 7 6 5 4 3 2 1
25 16 15 14 13 12 11 10 17
24 23 22 21 20 19 18


ZE1
Black
1 2
3 4
2 1
4 3


ZE2
Dark Gray
1 2
3 4
2 1
4 3