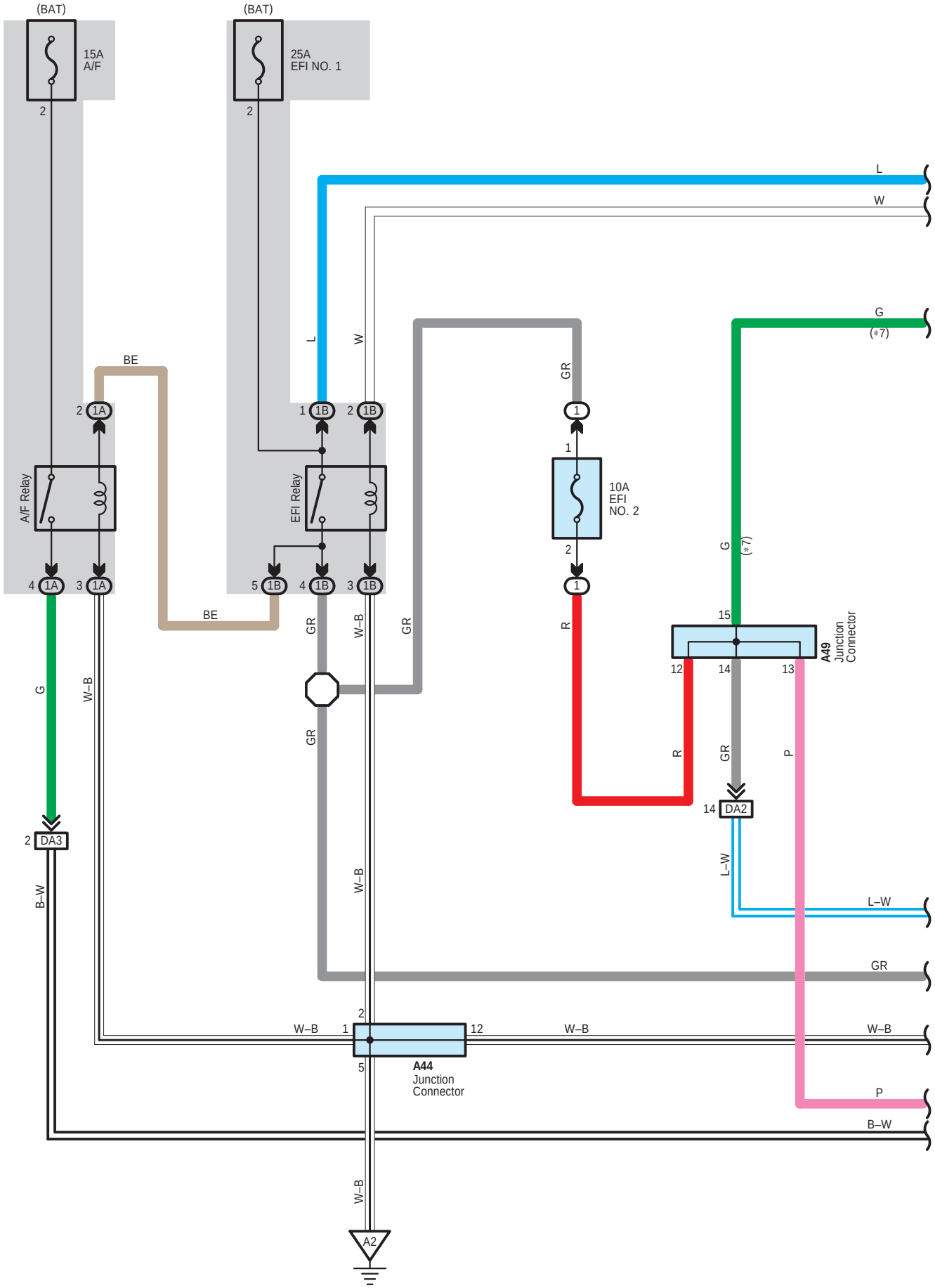
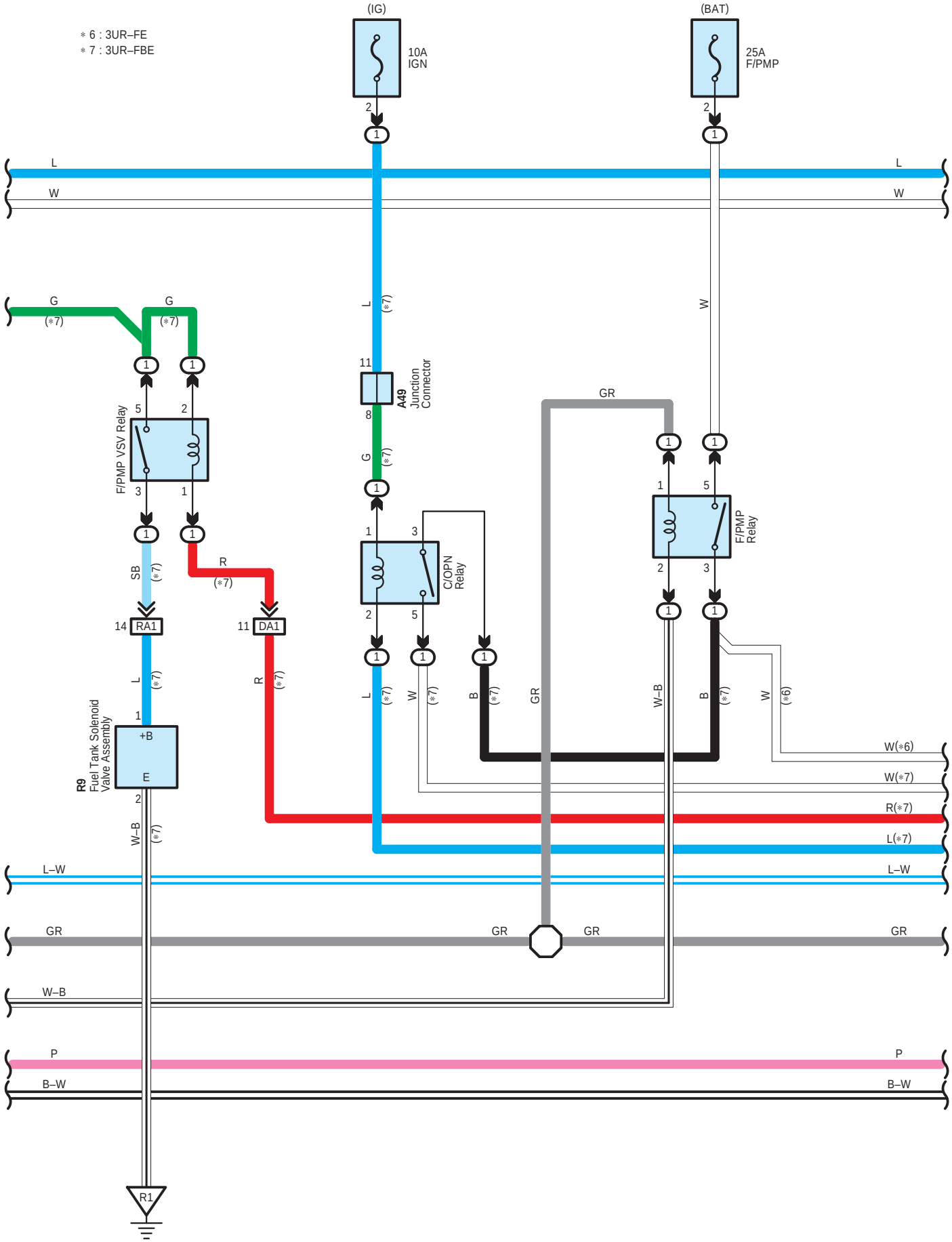
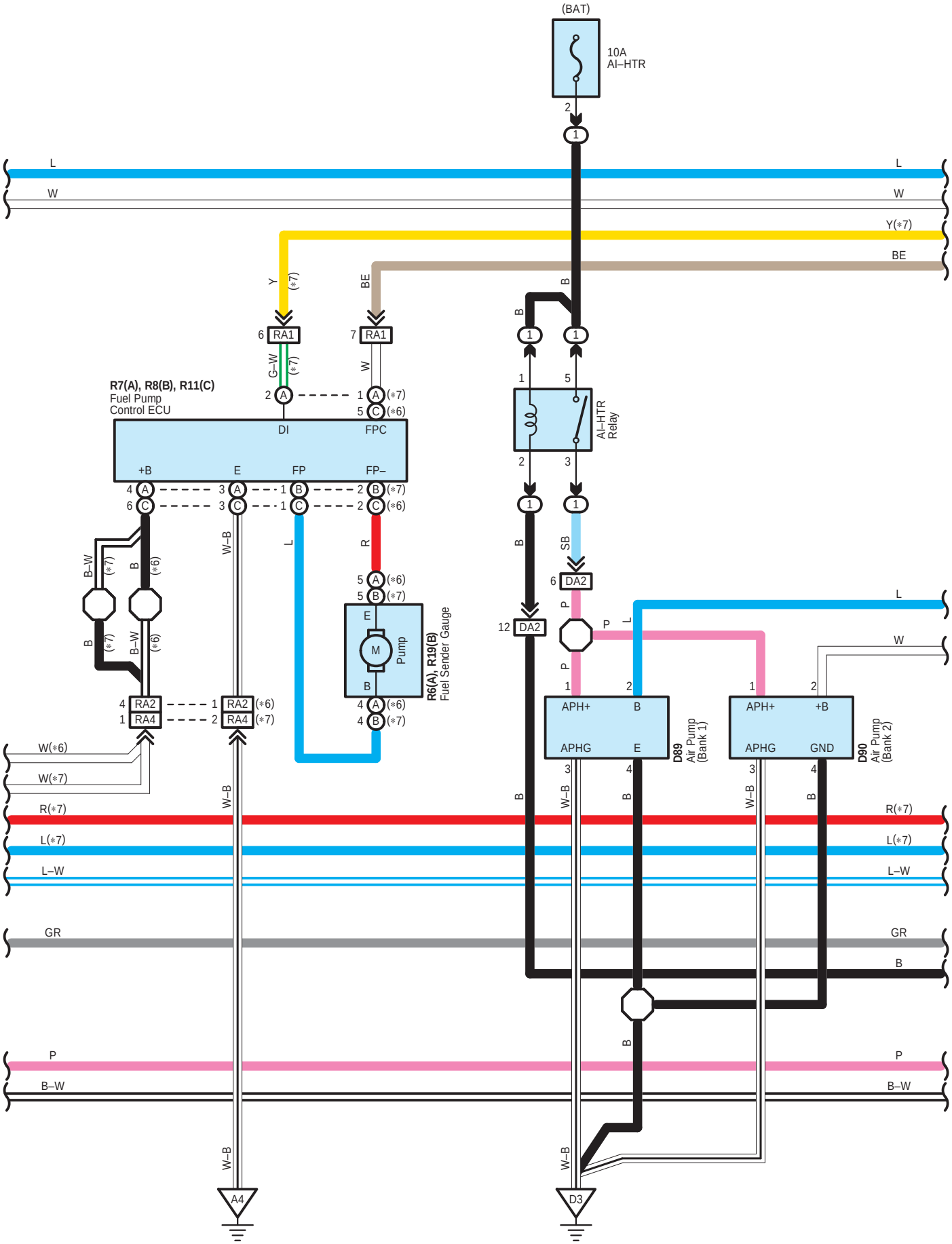
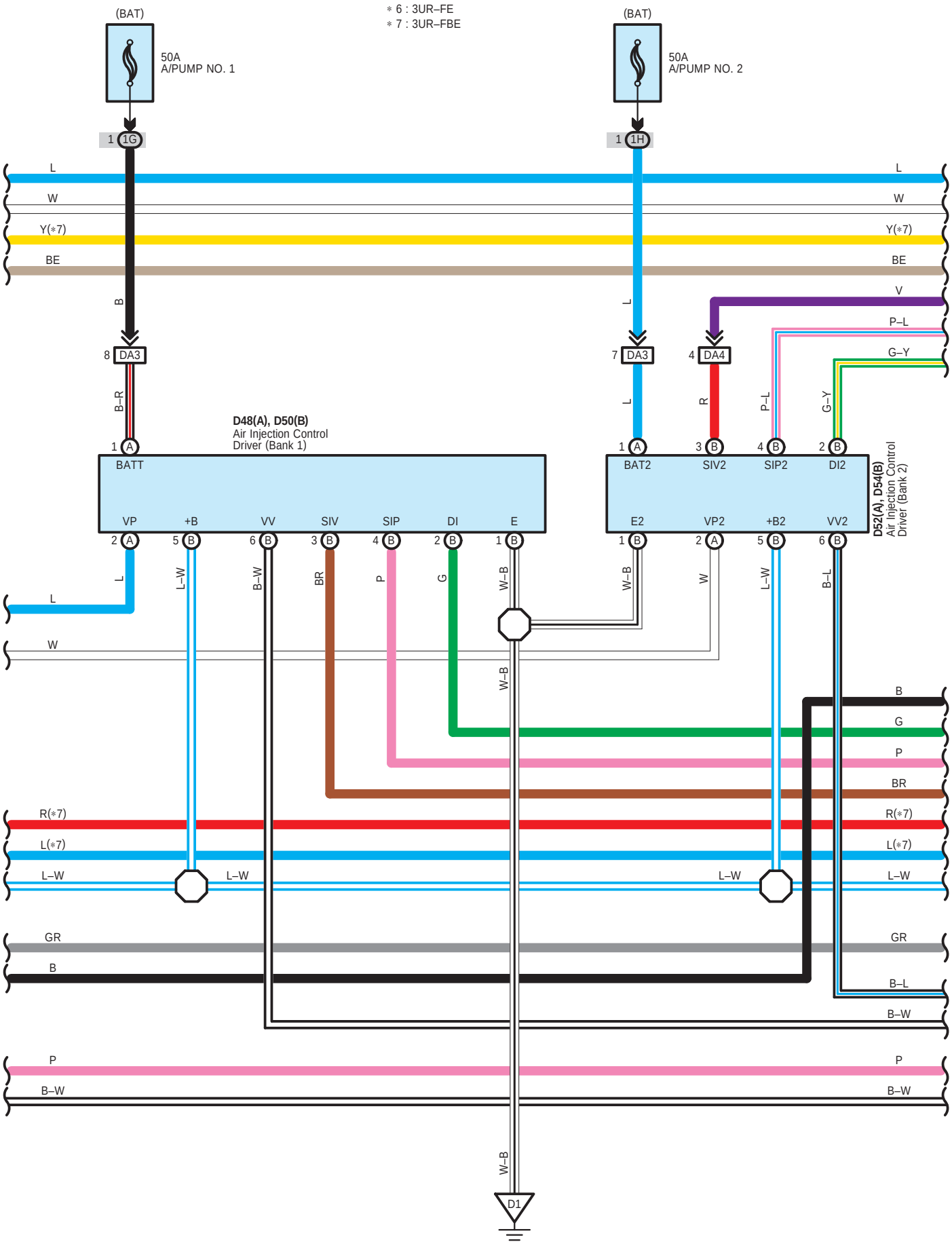
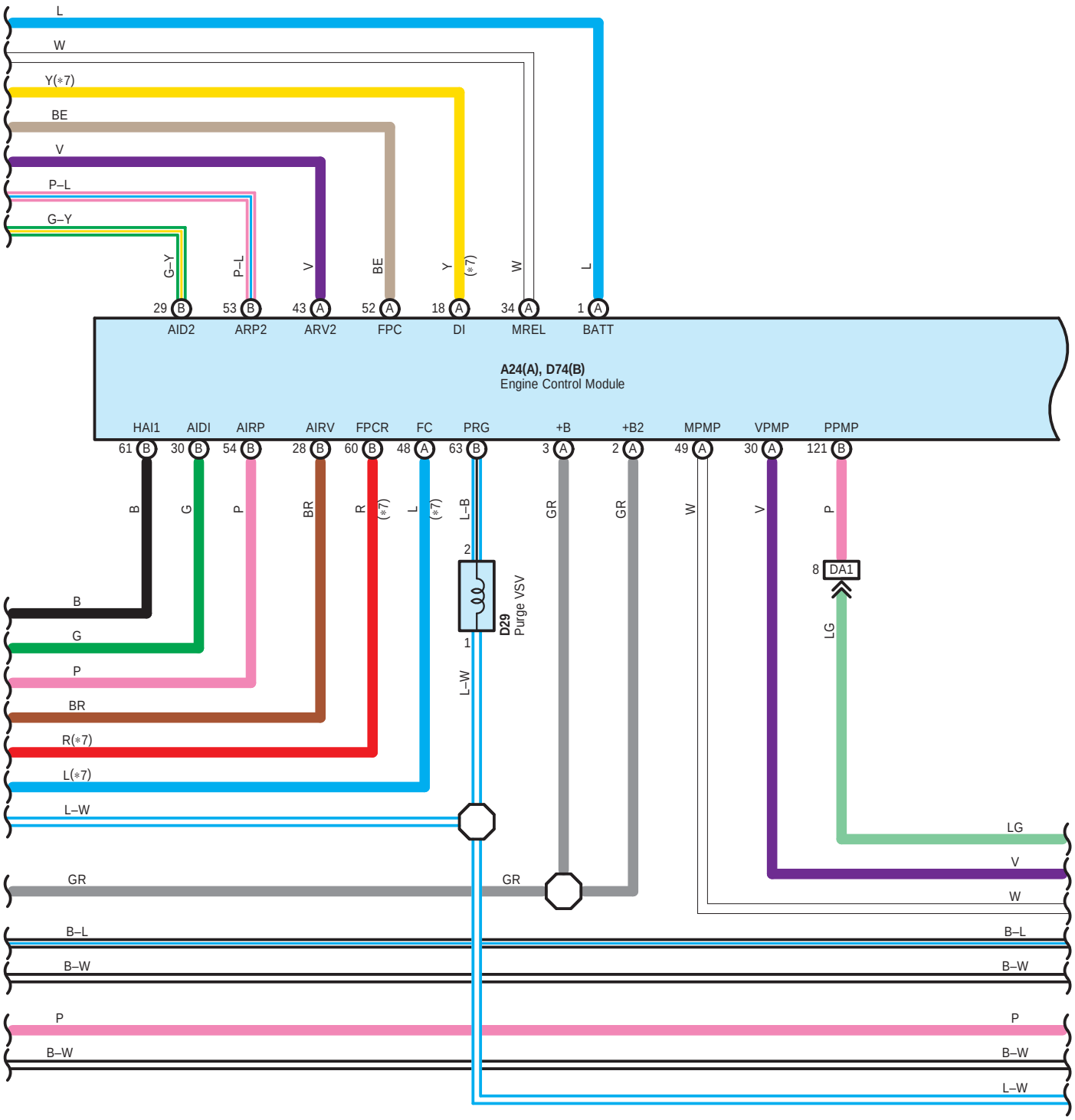
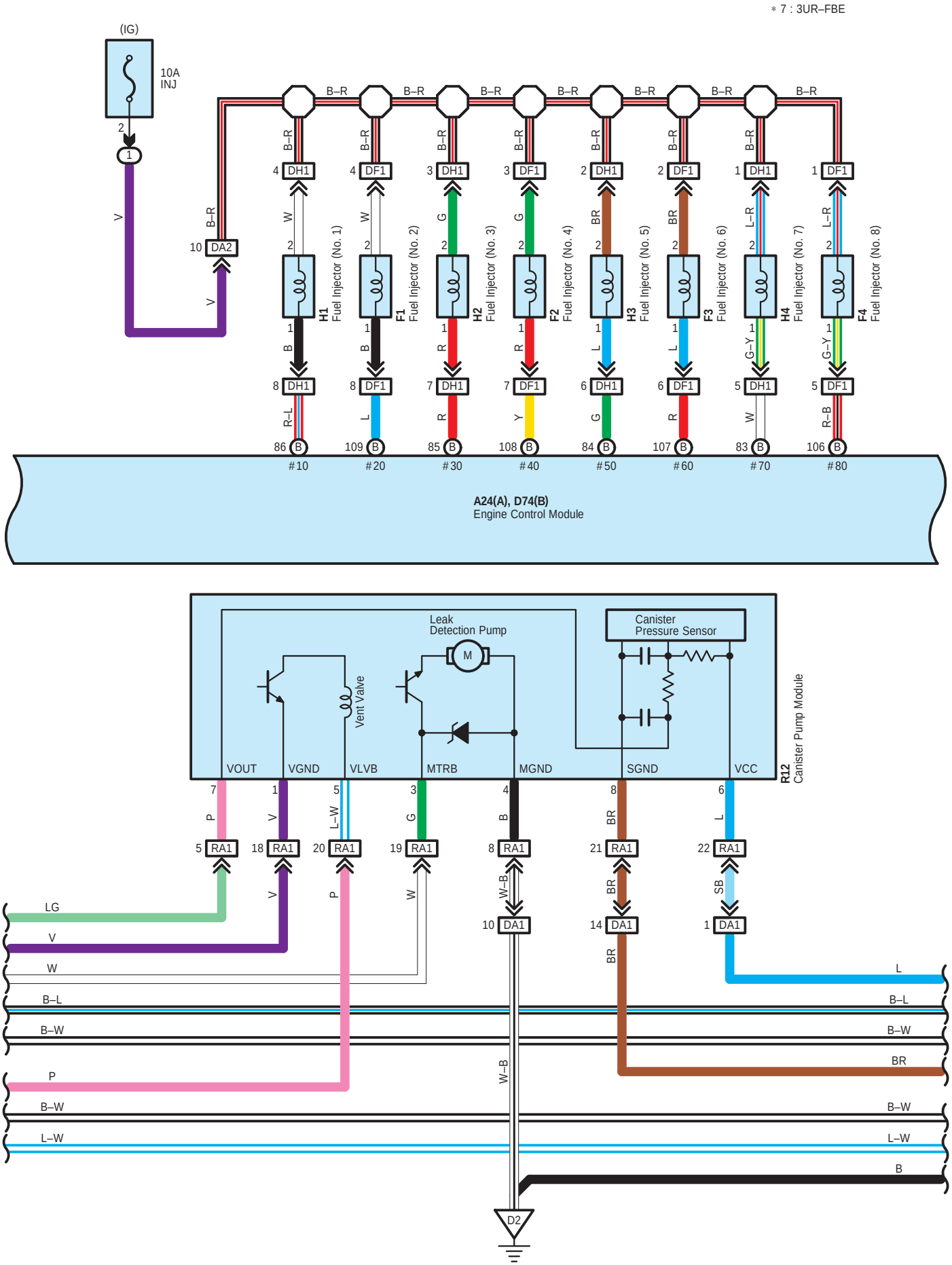

(BAT)
15A
A/F
2
(BAT)
25A
EFI NO. 1
2
L
W
G
(*7)
BE
2 1A
1 1B
2 1B
GR
1
1
10A
EFI
NO. 2
2
1
A/F Relay
EFI Relay
4 1A
3 1A
5 1B
4 1B
3 1B
BE
G
(*7)
15
A49
Junction
Connector
12
14
13
G
W–B
GR
W–B
GR
R
R
GR
P
2 DA3
14 DA2
B–W
L–W
L–W
GR
2
W–B
1
12
W–B
W–B
5
A44
Junction
Connector
P
B–W
W–B
A2

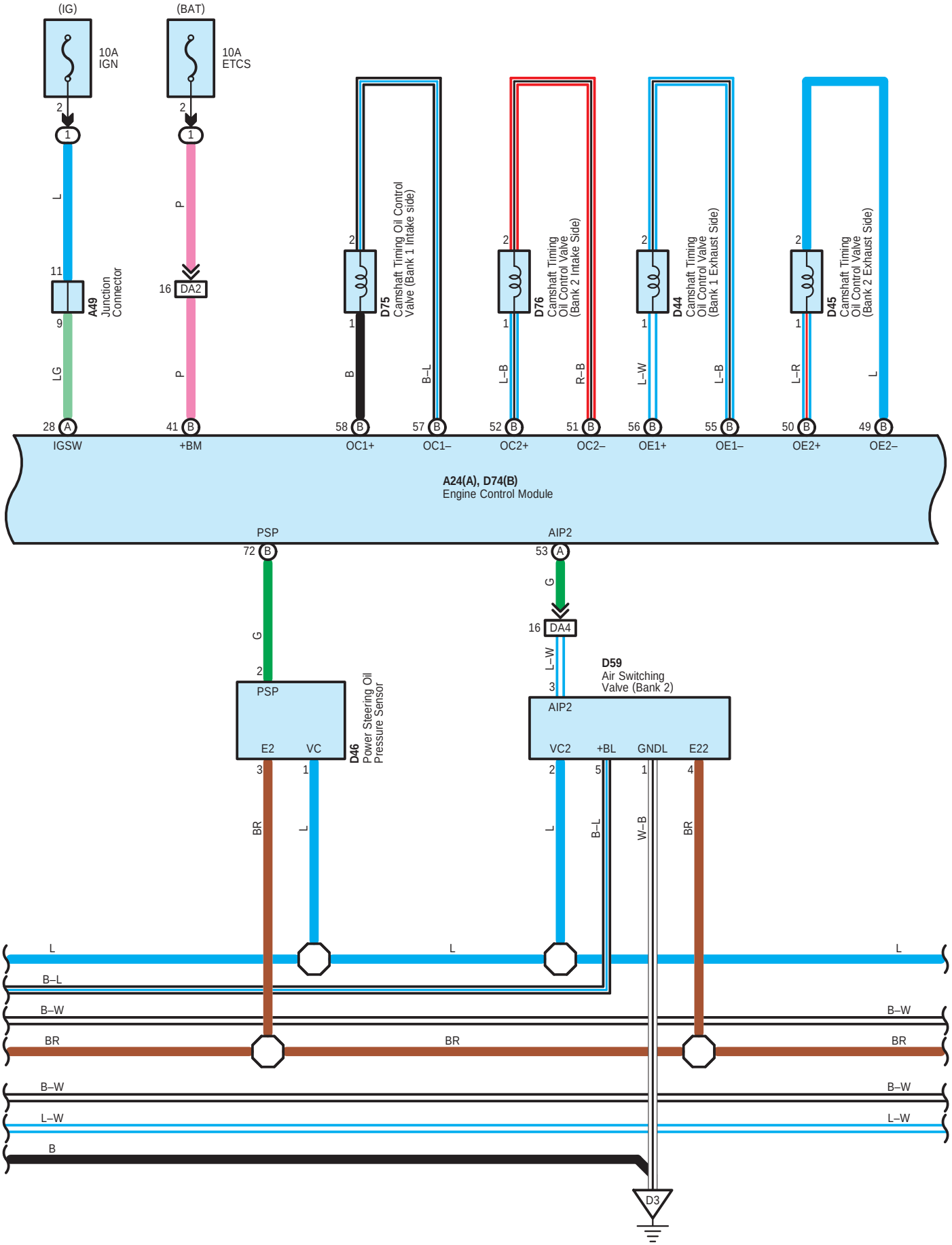

＊6 : 3UR–FE
＊7 : 3UR–FBE
(IG)
10A
IGN
(BAT)
25A
F/PMP
L
W
G
(＊7)
F/PMP VSV Relay
SB
R
RA1
DA1
L
R
Fuel Tank Solenoid
Valve Assembly
R9
+B
E
W–B
A49
Junction
Connector
C/OPN
Relay
F/PMP
Relay
GR
B
W
W–B
(＊6)
W(＊6)
W(＊7)
R(＊7)
L(＊7)
L–W
P
B–W
R1

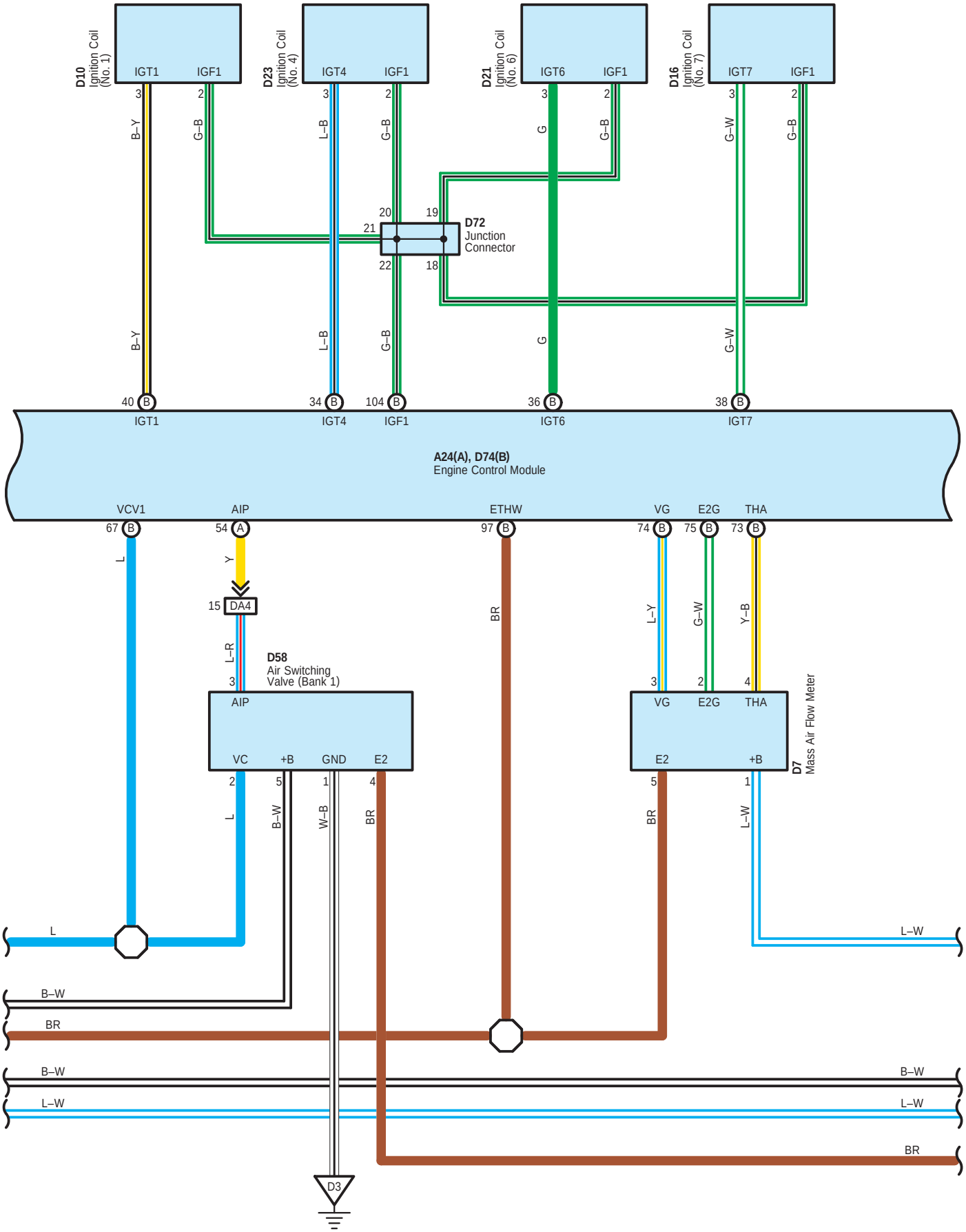

(BAT)
10A
AI–HTR
R7(A), R8(B), R11(C)
Fuel Pump
Control ECU
DI
FPC
+B
E
FP
FP–
AI–HTR
Relay
R6(A), R19(B)
Fuel Sender Gauge
Pump
D89
Air Pump
(Bank 1)
D90
Air Pump
(Bank 2)
APH+
APHG
GND
RA1
RA2
RA4
DA2
A4
D3
L
W
Y(*7)
BE
W(*6)
W(*7)
R(*7)
L(*7)
L–W
GR
P
B–W
W–B
B
SB

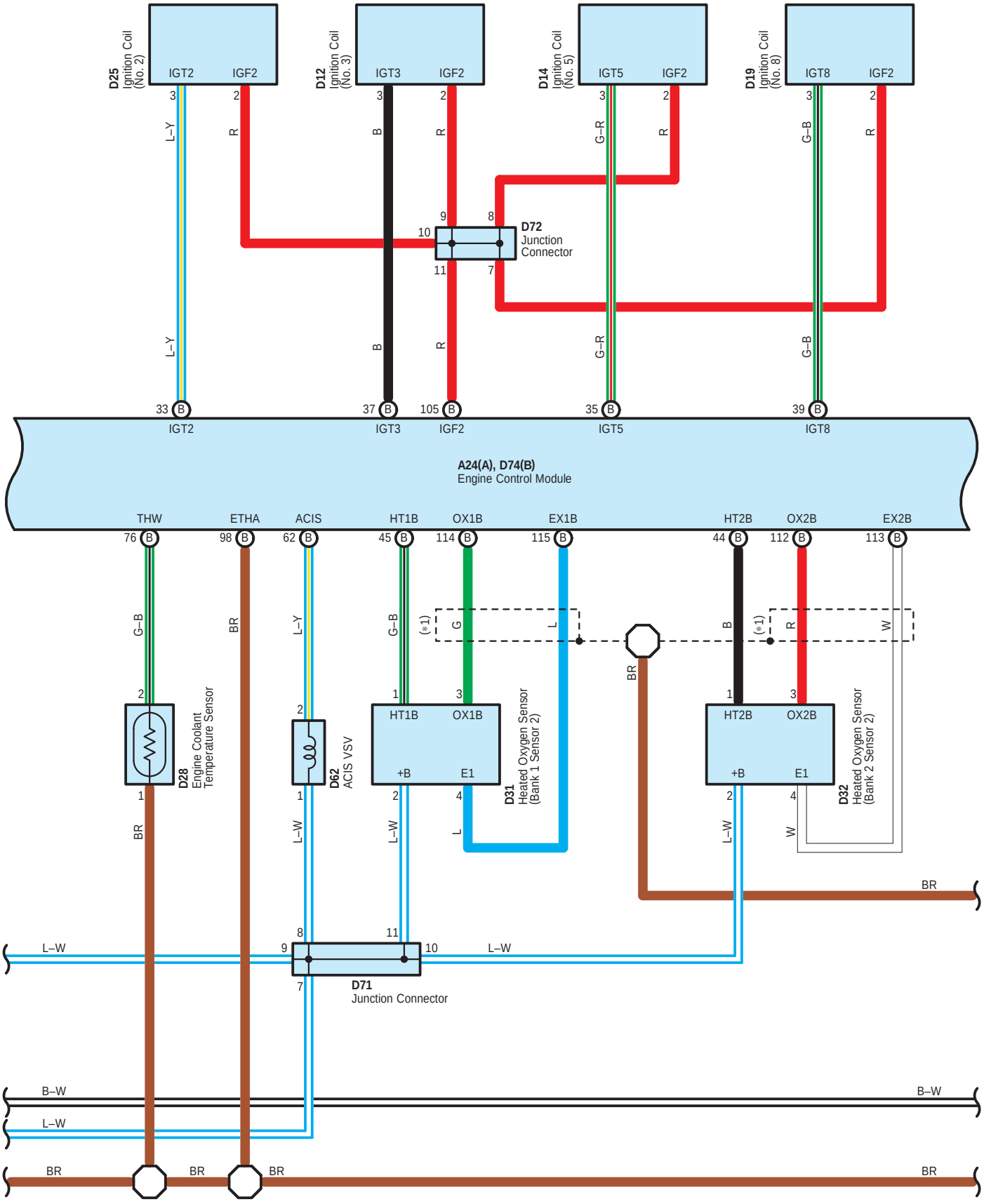

∗ 6 : 3UR–FE
∗ 7 : 3UR–FBE
(BAT)
50A
A/PUMP NO. 1
(BAT)
50A
A/PUMP NO. 2
1 1G
1 1H
L
W
Y(∗7)
BE
B
L
V
P–L
G–Y
8 DA3
7 DA3
4 DA4
B–R
L
R
P–L
G–Y
D48(A), D50(B)
Air Injection Control
Driver (Bank 1)
1 A
3 B
4 B
2 B
BATT
BAT2
SIV2
SIP2
DI2
D52(A), D54(B)
Air Injection Control
Driver (Bank 2)
VP
+B
VV
SIV
SIP
DI
E
E2
VP2
+B2
VV2
2 A
5 B
6 B
3 B
4 B
2 B
1 B
1 B
2 A
5 B
6 B
L
L–W
B–W
BR
P
G
W–B
W–B
W
L–W
B–L
L
W
W–B
B
G
P
BR
R(∗7)
L(∗7)
L–W
L–W
L–W
L–W
R(∗7)
L(∗7)
L–W
GR
B
GR
B–L
B–W
P
B–W
P
B–W
W–B
D1


L
W
Y(*7)
BE
V
P–L
G–Y
29 B AID2
53 B ARP2
43 A ARV2
52 A FPC
18 A DI
34 A MREL
1 A BATT
A24(A), D74(B)
Engine Control Module
HAI1
AIDI
AIRP
AIRV
FPCR
FC
PRG
+B
+B2
MPMP
VPMP
PPMP
61 B
30 B
54 B
28 B
60 B
48 A
63 B
3 A
2 A
49 A
30 A
121 B
B
G
P
BR
R(*7)
L(*7)
L–W
GR
B–L
B–W
P
B–W
2
1
D29
Purge VSV
8 DA1
LG
V
W
B–L
B–W
P
B–W
L–W

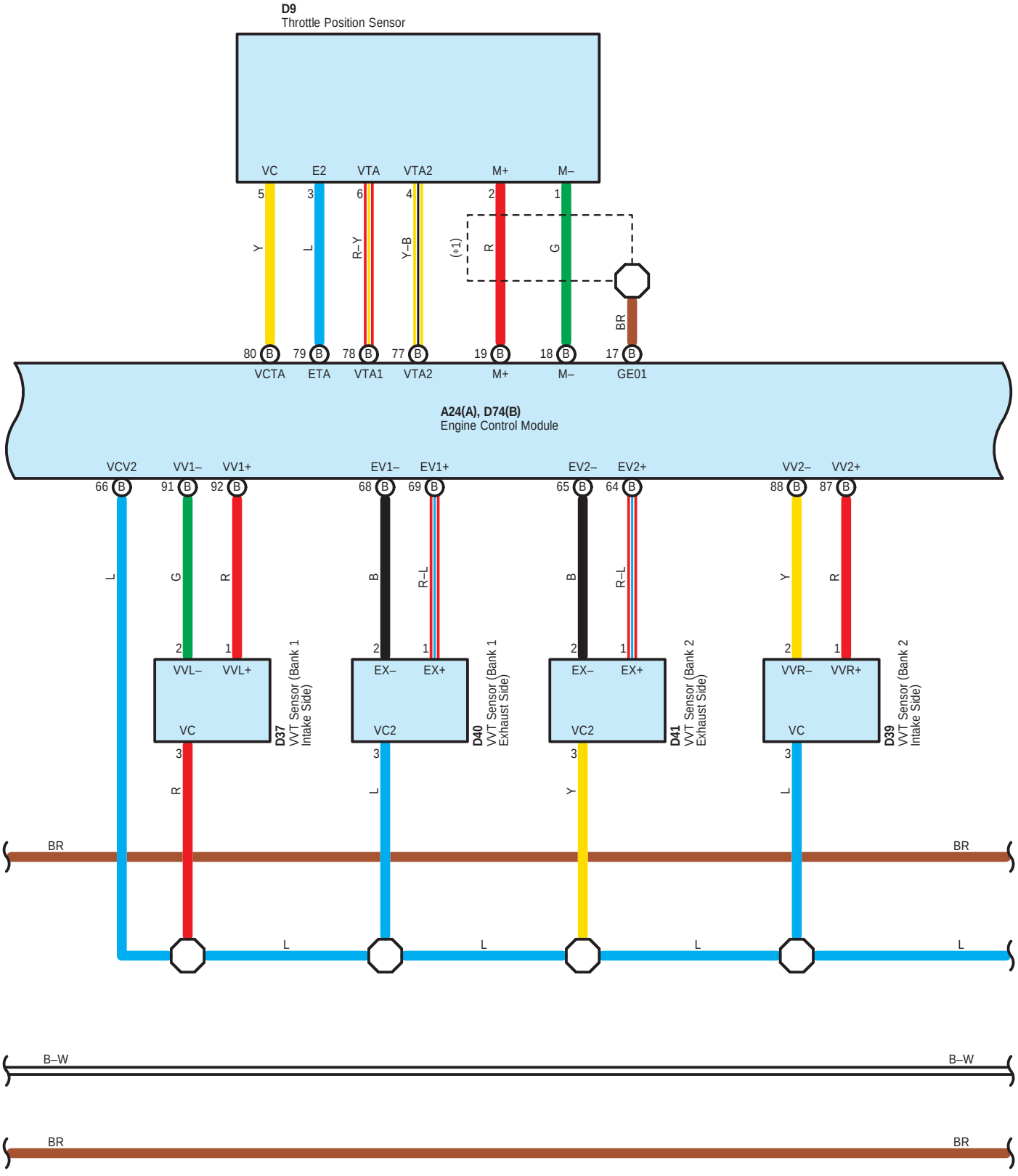

* 7 : 3UR–FBE
(IG)
10A
INJ
A24(A), D74(B)
Engine Control Module
H1 Fuel Injector (No. 1)
F1 Fuel Injector (No. 2)
H2 Fuel Injector (No. 3)
F2 Fuel Injector (No. 4)
H3 Fuel Injector (No. 5)
F3 Fuel Injector (No. 6)
H4 Fuel Injector (No. 7)
F4 Fuel Injector (No. 8)
#10
#20
#30
#40
#50
#60
#70
#80
Leak
Detection Pump
Vent Valve
Canister
Pressure Sensor
R12
Canister Pump Module
VOUT
VGND
VLVB
MTRB
MGND
SGND
VCC
D2

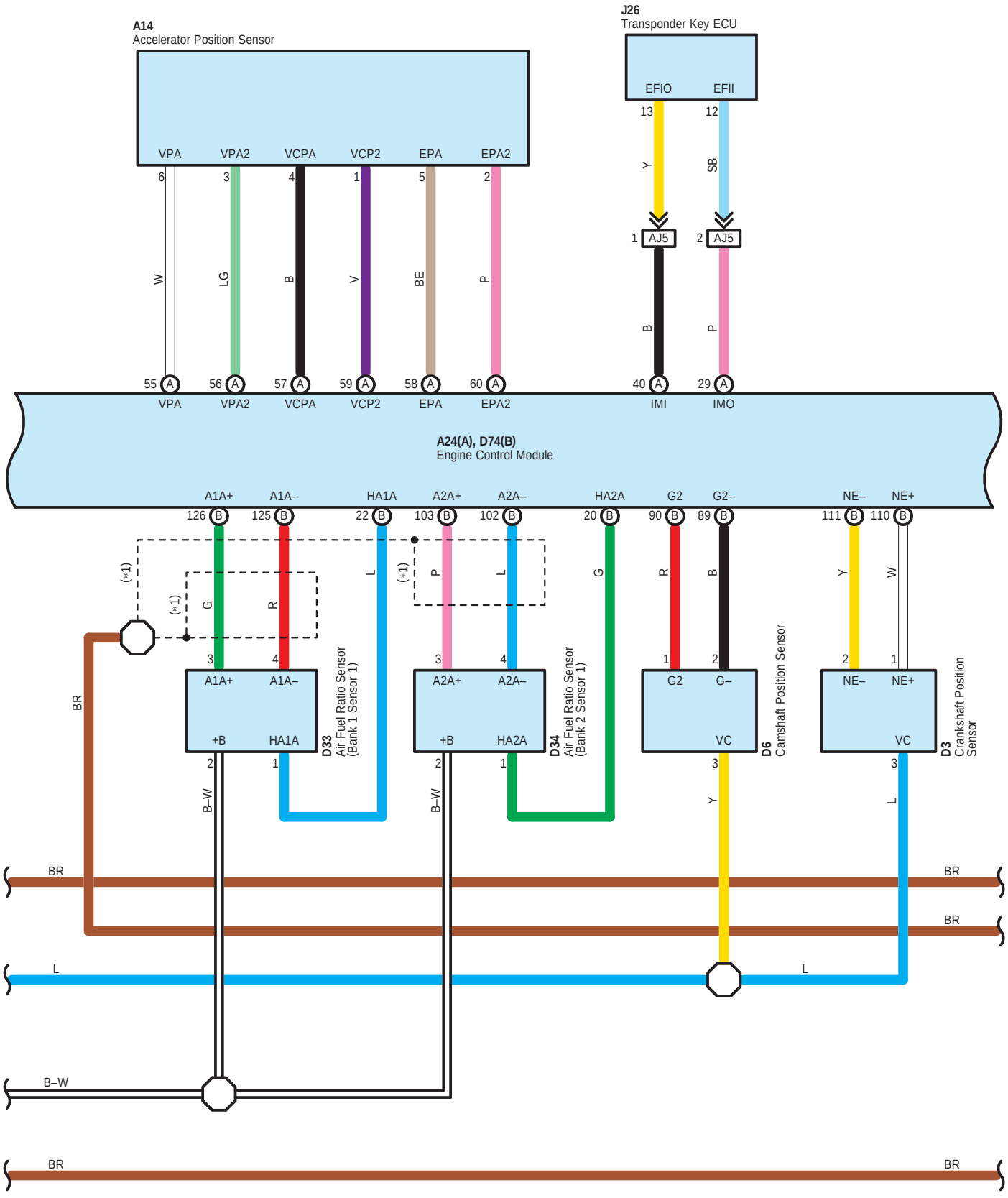

(IG)
10A
IGN
(BAT)
10A
ETCS
A49
Junction
Connector
D75
Camshaft Timing Oil Control
Valve (Bank 1 Intake side)
D76
Camshaft Timing
Oil Control Valve
(Bank 2 Intake Side)
D44
Camshaft Timing
Oil Control Valve
(Bank 1 Exhaust Side)
D45
Camshaft Timing
Oil Control Valve
(Bank 2 Exhaust Side)
IGSW
+BM
OC1+
OC1–
OC2+
OC2–
OE1+
OE1–
OE2+
OE2–
A24(A), D74(B)
Engine Control Module
PSP
AIP2
D46
Power Steering Oil
Pressure Sensor
D59
Air Switching
Valve (Bank 2)
E2
VC
VC2
+BL
GNDL
E22
D3

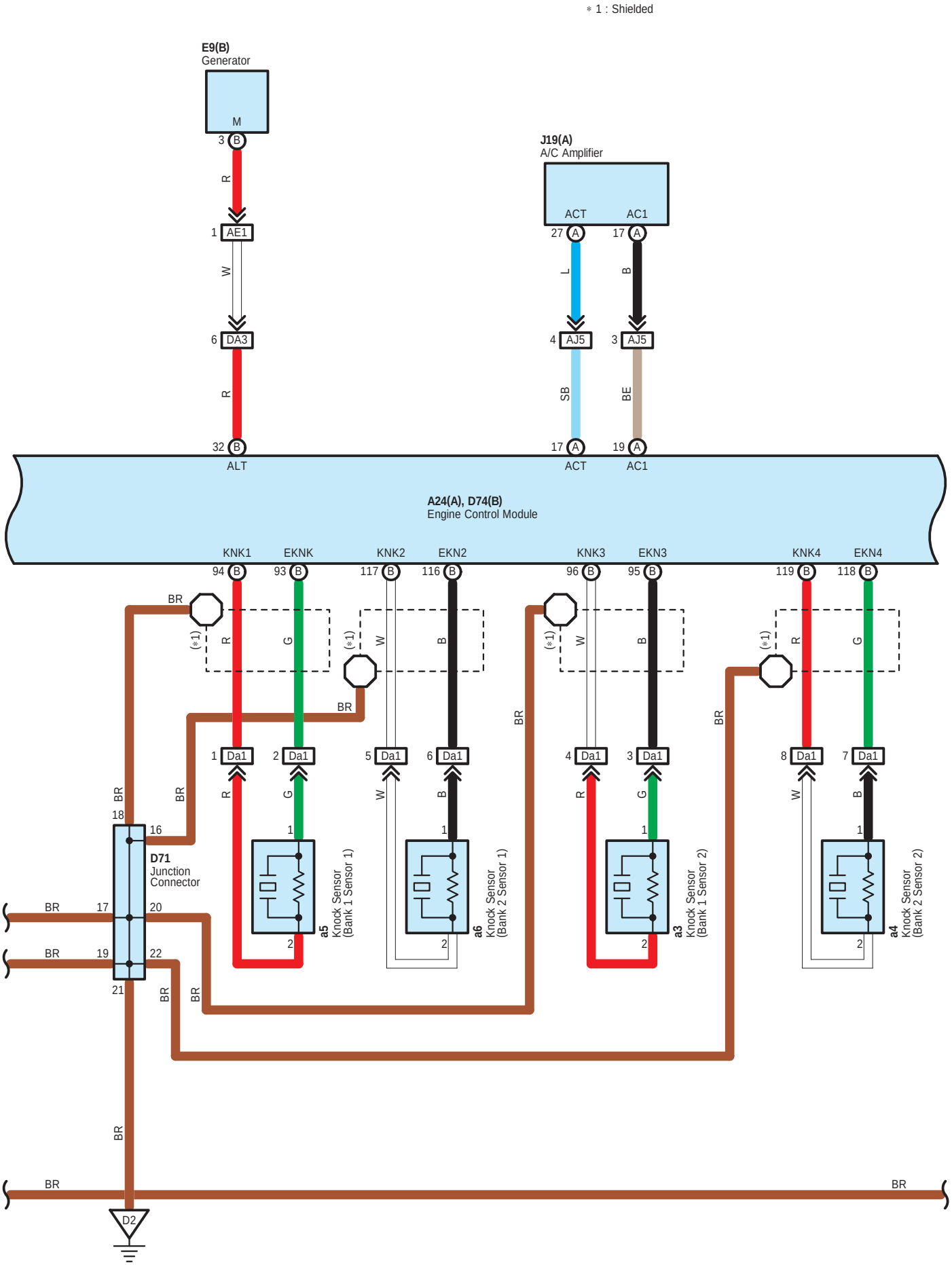

D10 Ignition Coil (No. 1)
IGT1
IGF1
D23 Ignition Coil (No. 4)
IGT4
IGF1
D21 Ignition Coil (No. 6)
IGT6
IGF1
D16 Ignition Coil (No. 7)
IGT7
IGF1
D72 Junction Connector
A24(A), D74(B) Engine Control Module
VCV1
AIP
ETHW
VG
E2G
THA
D58 Air Switching Valve (Bank 1)
D7 Mass Air Flow Meter
VC
+B
GND
E2
D3

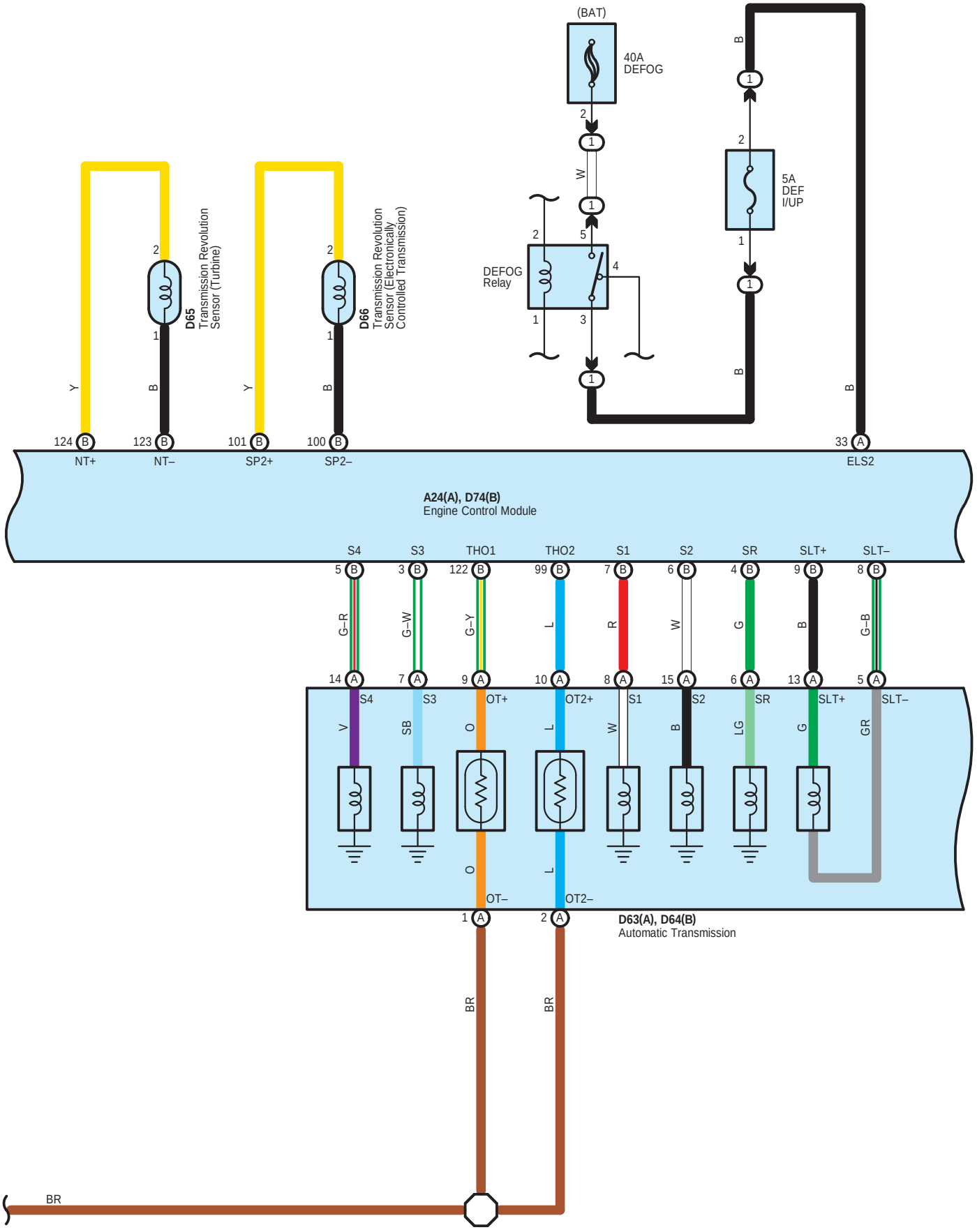

D25 Ignition Coil (No. 2)
IGT2
IGF2
D12 Ignition Coil (No. 3)
IGT3
IGF2
D14 Ignition Coil (No. 5)
IGT5
IGF2
D19 Ignition Coil (No. 8)
IGT8
IGF2
D72 Junction Connector
A24(A), D74(B) Engine Control Module
THW
ETHA
ACIS
HT1B
OX1B
EX1B
HT2B
OX2B
EX2B
D28 Engine Coolant Temperature Sensor
D62 ACIS VSV
D31 Heated Oxygen Sensor (Bank 1 Sensor 2)
D32 Heated Oxygen Sensor (Bank 2 Sensor 2)
D71 Junction Connector
(*1)

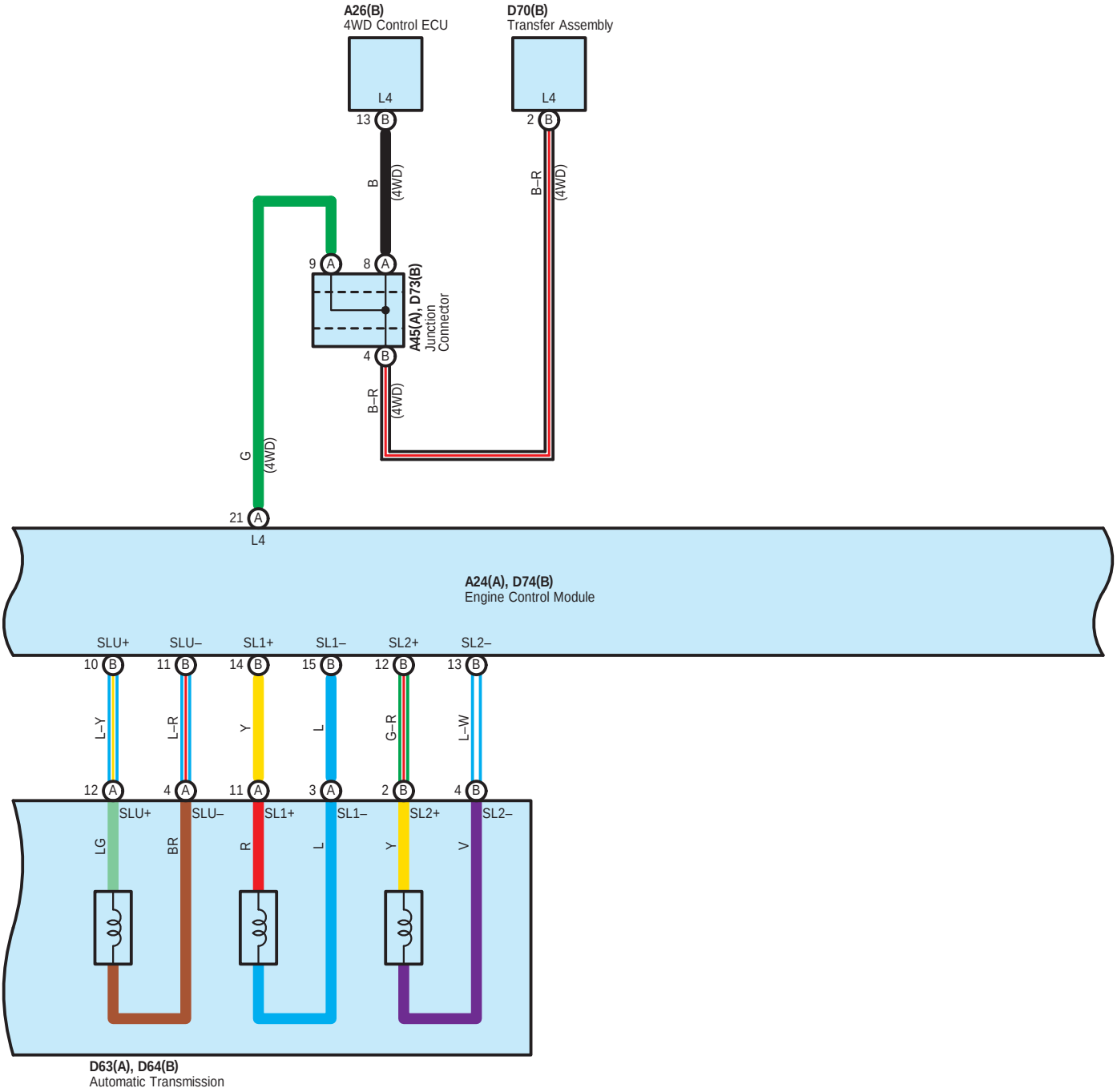
∗ 1 : Shielded

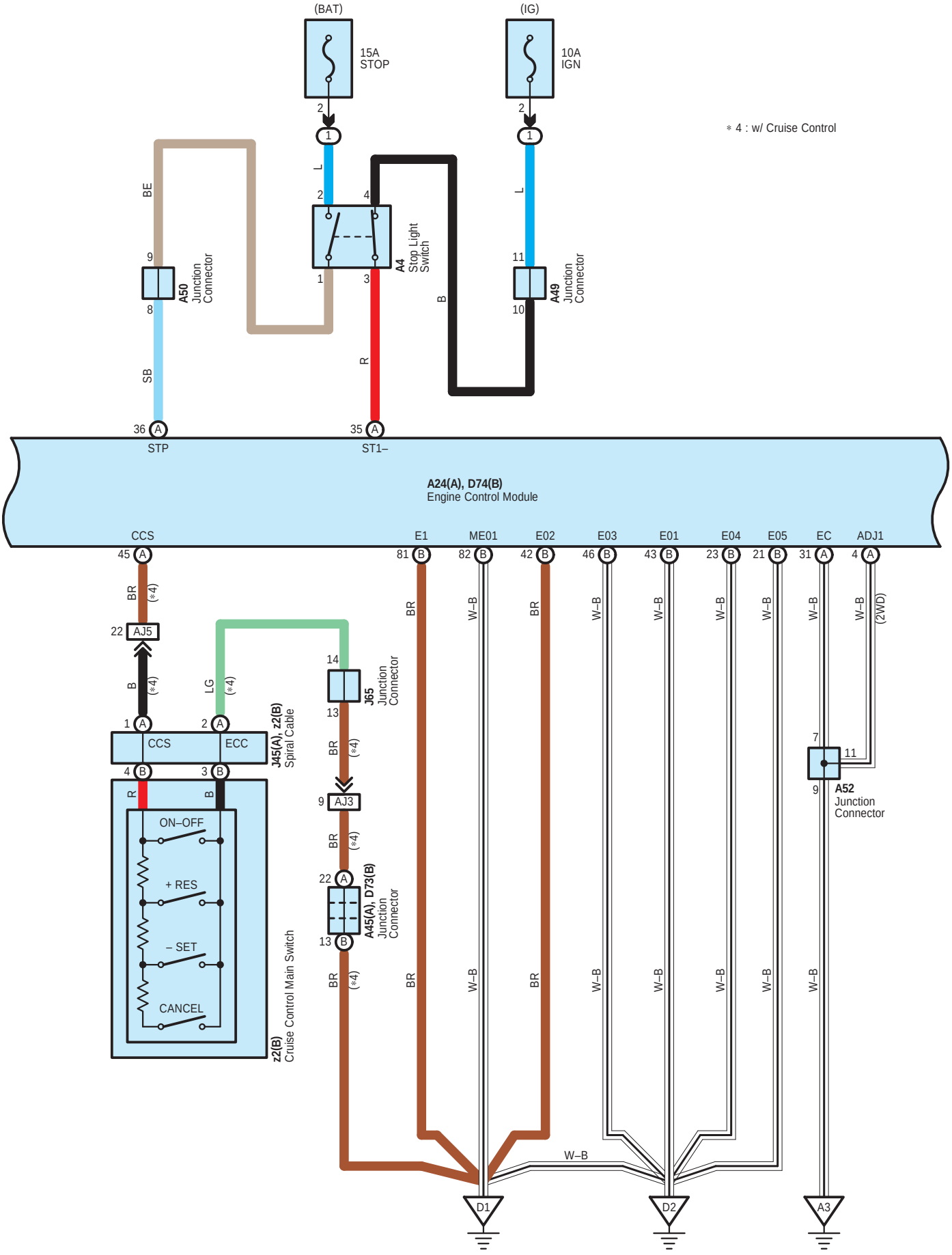

D9
Throttle Position Sensor
VC
E2
VTA
VTA2
M+
M–
5
3
6
4
2
1
Y
L
R–Y
Y–B
(∗1)
R
G
BR
80 B
79 B
78 B
77 B
19 B
18 B
17 B
VCTA
ETA
VTA1
VTA2
M+
M–
GE01
A24(A), D74(B)
Engine Control Module
VCV2
VV1–
VV1+
EV1–
EV1+
EV2–
EV2+
VV2–
VV2+
66 B
91 B
92 B
68 B
69 B
65 B
64 B
88 B
87 B
L
G
R
B
R–L
B
R–L
Y
R
2
1
VVL–
VVL+
VC
D37
VVT Sensor (Bank 1 Intake Side)
EX–
EX+
VC2
D40
VVT Sensor (Bank 1 Exhaust Side)
EX–
EX+
VC2
D41
VVT Sensor (Bank 2 Exhaust Side)
VVR–
VVR+
VC
D39
VVT Sensor (Bank 2 Intake Side)
3
R
L
Y
L
BR
BR
L
L
L
L
B–W
B–W
BR
BR

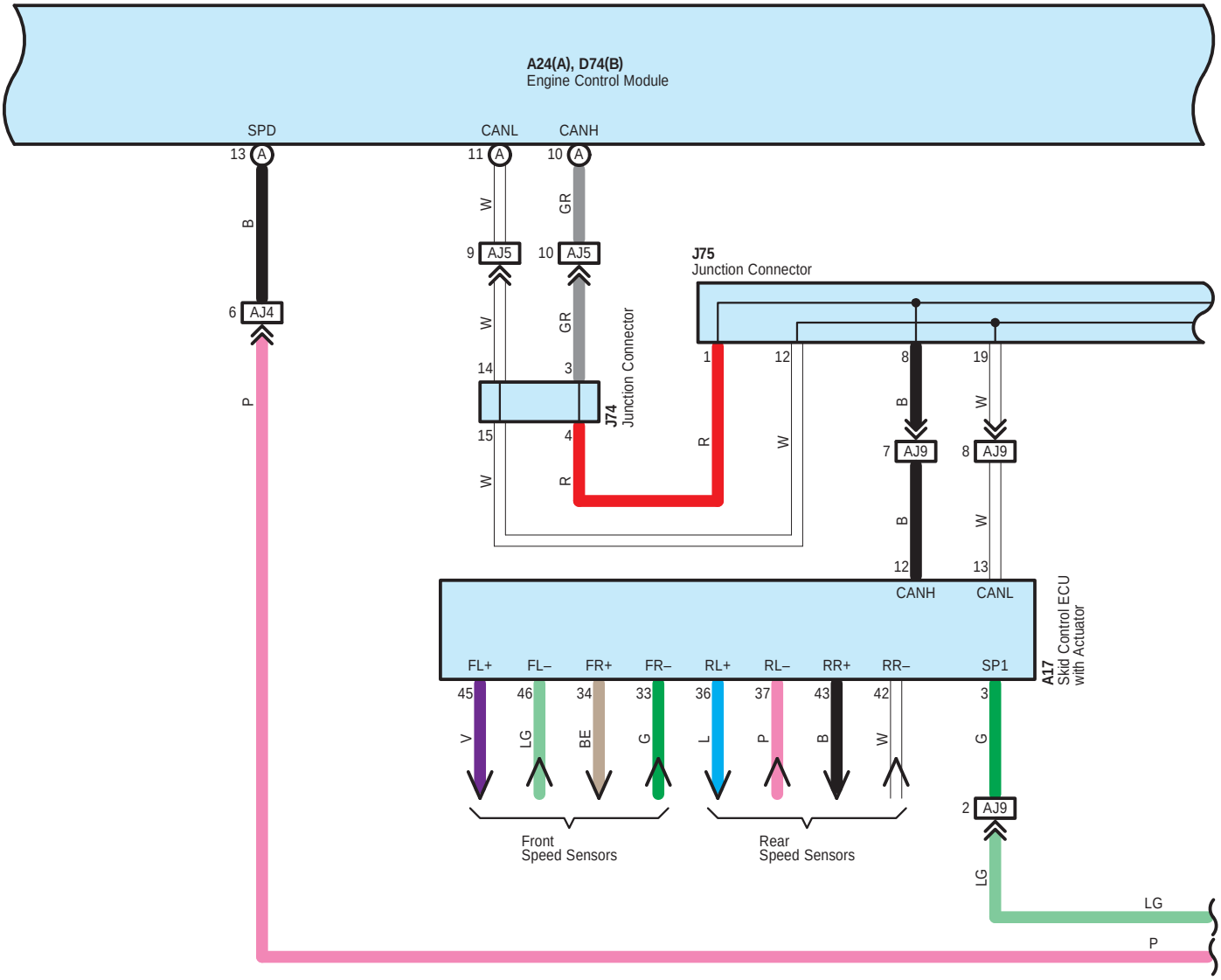

A14
Accelerator Position Sensor
VPA
VPA2
VCPA
VCP2
EPA
EPA2
6
3
4
1
5
2
W
LG
B
V
BE
P
55 A VPA
56 A VPA2
57 A VCPA
59 A VCP2
58 A EPA
60 A EPA2
J26
Transponder Key ECU
EFIO
EFII
13
12
Y
SB
1 AJ5
2 AJ5
B
P
40 A IMI
29 A IMO
A24(A), D74(B)
Engine Control Module
A1A+
A1A–
HA1A
A2A+
A2A–
HA2A
G2
G2–
NE–
NE+
126 B
125 B
22 B
103 B
102 B
20 B
90 B
89 B
111 B
110 B
(*1)
G
R
L
P
L
G
R
B
Y
W
3
4
1
2
A1A+
A1A–
+B
HA1A
D33
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
A2A+
A2A–
+B
HA2A
D34
Air Fuel Ratio Sensor
(Bank 2 Sensor 1)
G2
G–
VC
D6
Camshaft Position Sensor
NE–
NE+
VC
D3
Crankshaft Position
Sensor
BR
B–W
Y
L
BR
BR
BR
L
L
B–W
BR
BR


* 1 : Shielded
E9(B)
Generator
M
3 B
R
1 AE1
W
6 DA3
R
32 B
ALT
J19(A)
A/C Amplifier
ACT
AC1
27 A
17 A
L
B
4 AJ5
3 AJ5
SB
BE
17 A
19 A
ACT
AC1
A24(A), D74(B)
Engine Control Module
KNK1
EKNK
KNK2
EKN2
KNK3
EKN3
KNK4
EKN4
94 B
93 B
117 B
116 B
96 B
95 B
119 B
118 B
(*1)
BR
R
G
W
B
1 Da1
2 Da1
5 Da1
6 Da1
4 Da1
3 Da1
8 Da1
7 Da1
18
16
17
20
19
22
21
D71
Junction
Connector
a5
Knock Sensor
(Bank 1 Sensor 1)
a6
Knock Sensor
(Bank 2 Sensor 1)
a3
Knock Sensor
(Bank 1 Sensor 2)
a4
Knock Sensor
(Bank 2 Sensor 2)
D2

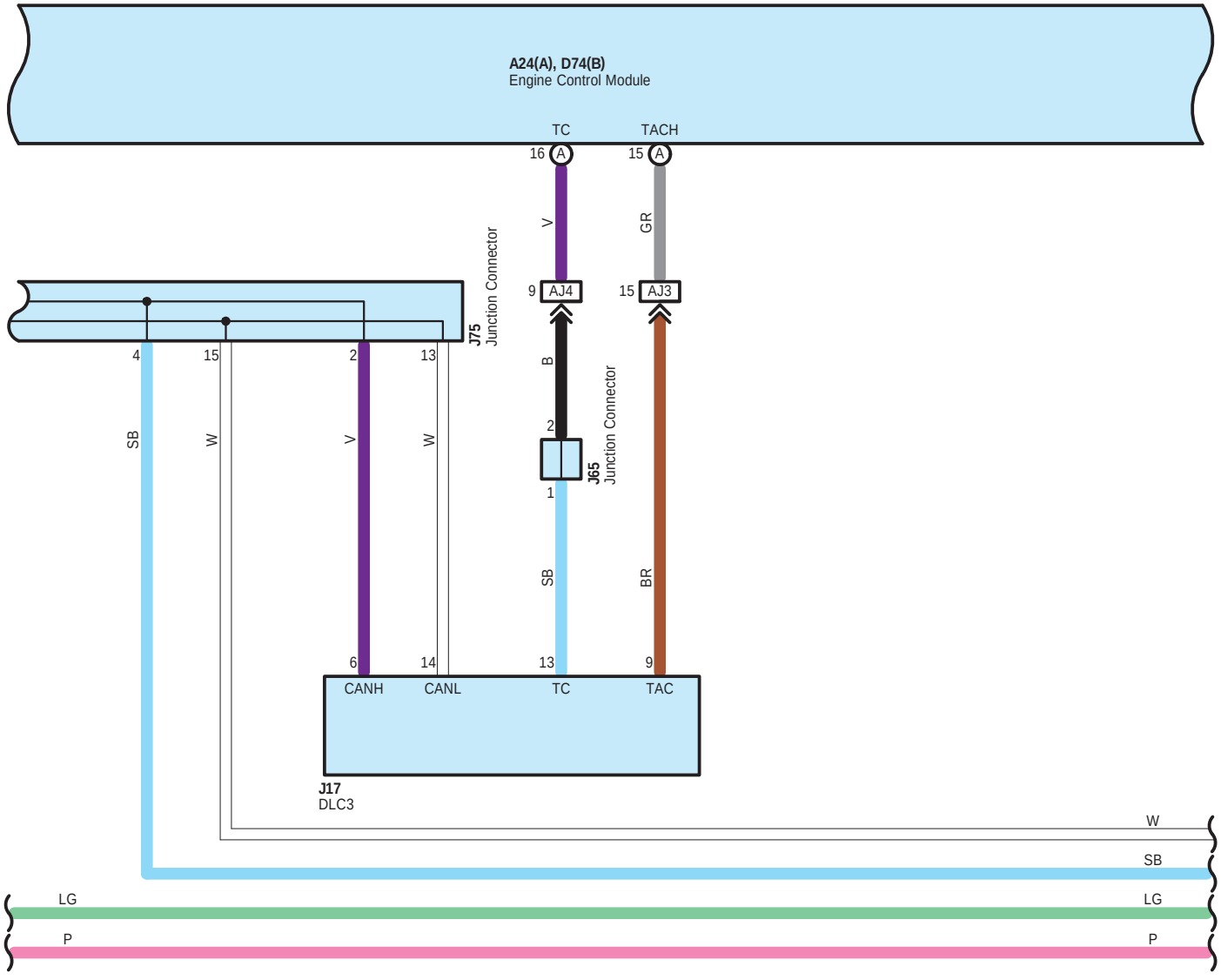

(BAT)
40A
DEFOG
5A
DEF
I/UP
DEFOG
Relay
D65
Transmission Revolution
Sensor (Turbine)
D66
Transmission Revolution
Sensor (Electronically
Controlled Transmission)
124 NT+
123 NT–
101 SP2+
100 SP2–
33 ELS2
A24(A), D74(B)
Engine Control Module
S4
S3
THO1
THO2
S1
S2
SR
SLT+
SLT–
OT+
OT–
OT2+
OT2–
D63(A), D64(B)
Automatic Transmission
BR

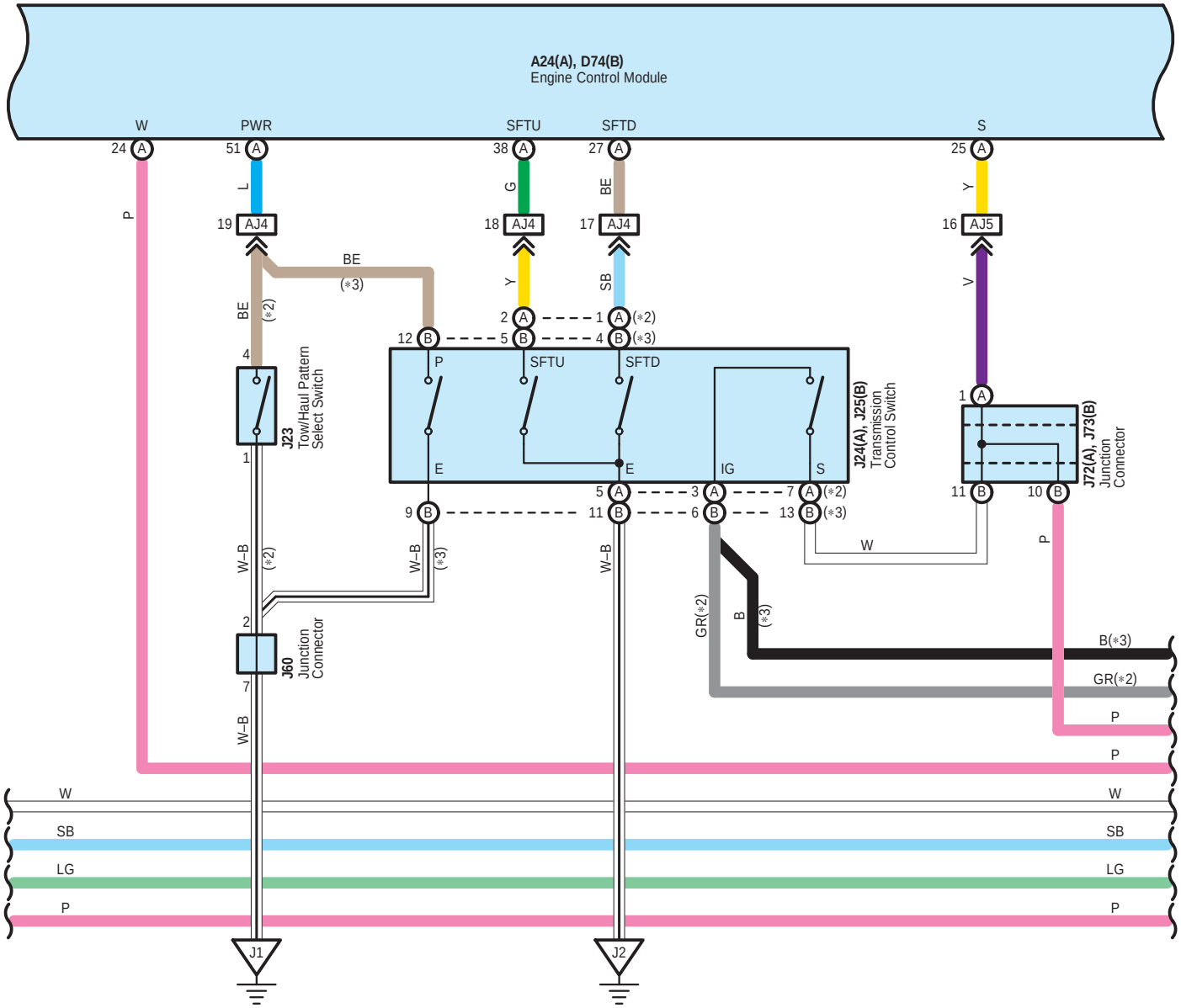

A26(B)
4WD Control ECU
D70(B)
Transfer Assembly
L4
13 B
2 B
B (4WD)
B–R (4WD)
9 A
8 A
A45(A), D73(B)
Junction Connector
4 B
B–R (4WD)
G (4WD)
21 A
L4
A24(A), D74(B)
Engine Control Module
SLU+
SLU–
SL1+
SL1–
SL2+
SL2–
10 B
11 B
14 B
15 B
12 B
13 B
L–Y
L–R
Y
L
G–R
L–W
12 A
4 A
11 A
3 A
2 B
4 B
SLU+
SLU–
SL1+
SL1–
SL2+
SL2–
LG
BR
R
L
Y
V
D63(A), D64(B)
Automatic Transmission

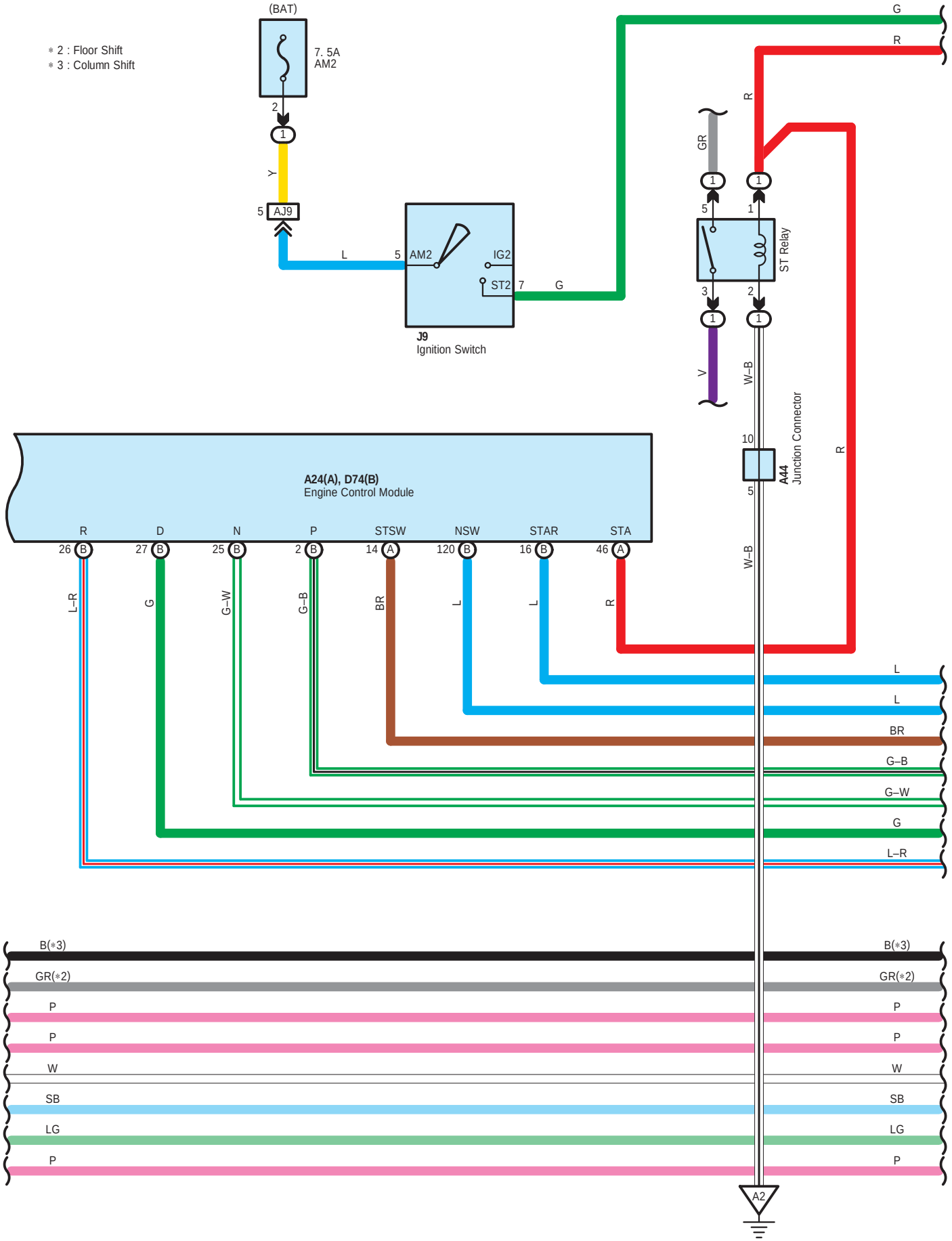

(BAT)
(IG)
15A
STOP
10A
IGN
∗ 4 : w/ Cruise Control
BE
SB
L
R
B
A50
Junction
Connector
A4
Stop Light
Switch
A49
Junction
Connector
STP
ST1–
A24(A), D74(B)
Engine Control Module
CCS
E1
ME01
E02
E03
E01
E04
E05
EC
ADJ1
BR
W–B
LG
(∗4)
(2WD)
AJ5
AJ3
J65
Junction
Connector
J45(A), Z2(B)
Spiral Cable
CCS
ECC
A45(A), D73(B)
Junction
Connector
A52
Junction
Connector
Z2(B)
Cruise Control Main Switch
ON–OFF
+ RES
– SET
CANCEL
D1
D2
A3

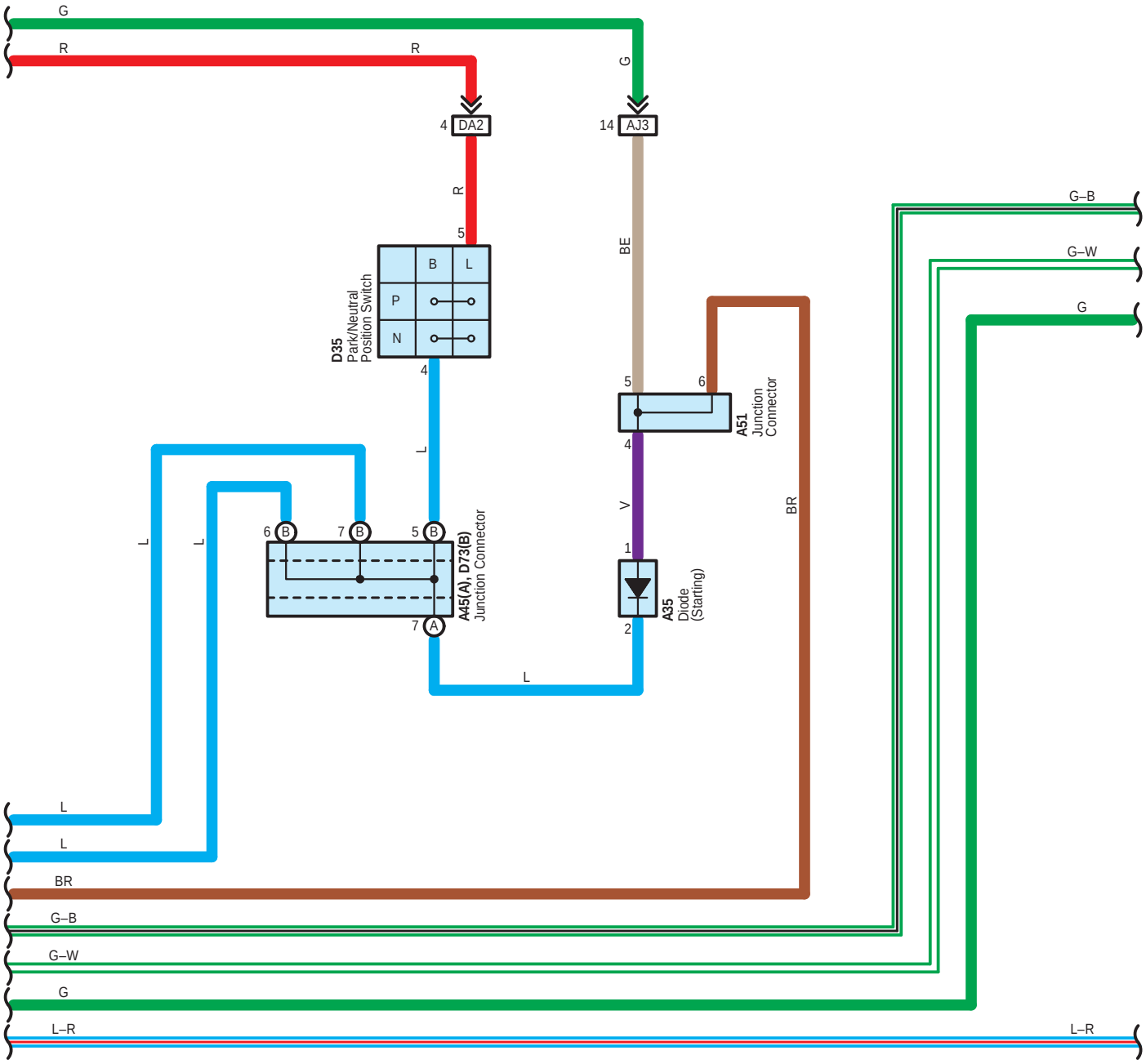

A24(A), D74(B)
Engine Control Module
SPD
CANL
CANH
13 A
11 A
10 A
B
W
GR
6 AJ4
9 AJ5
10 AJ5
P
W
GR
14
3
J74
Junction Connector
15
4
W
R
J75
Junction Connector
1
12
8
19
R
W
B
W
7 AJ9
8 AJ9
B
W
12
13
CANH
CANL
A17
Skid Control ECU
with Actuator
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
SP1
45
46
34
33
36
37
43
42
3
V
LG
BE
G
L
P
B
W
G
2 AJ9
Front
Speed Sensors
Rear
Speed Sensors
LG
LG
P

* 2 : Floor Shift
* 3 : Column Shift

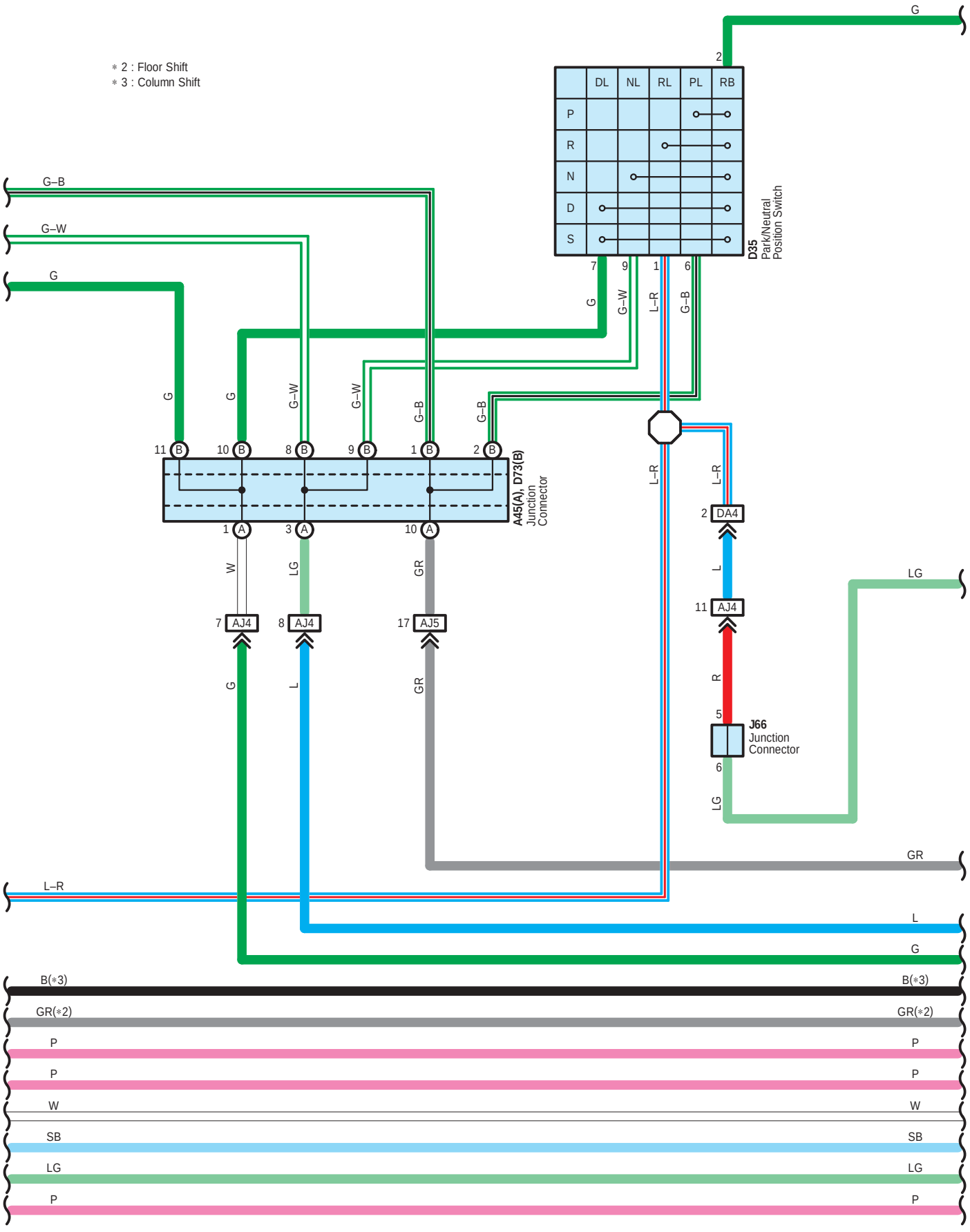


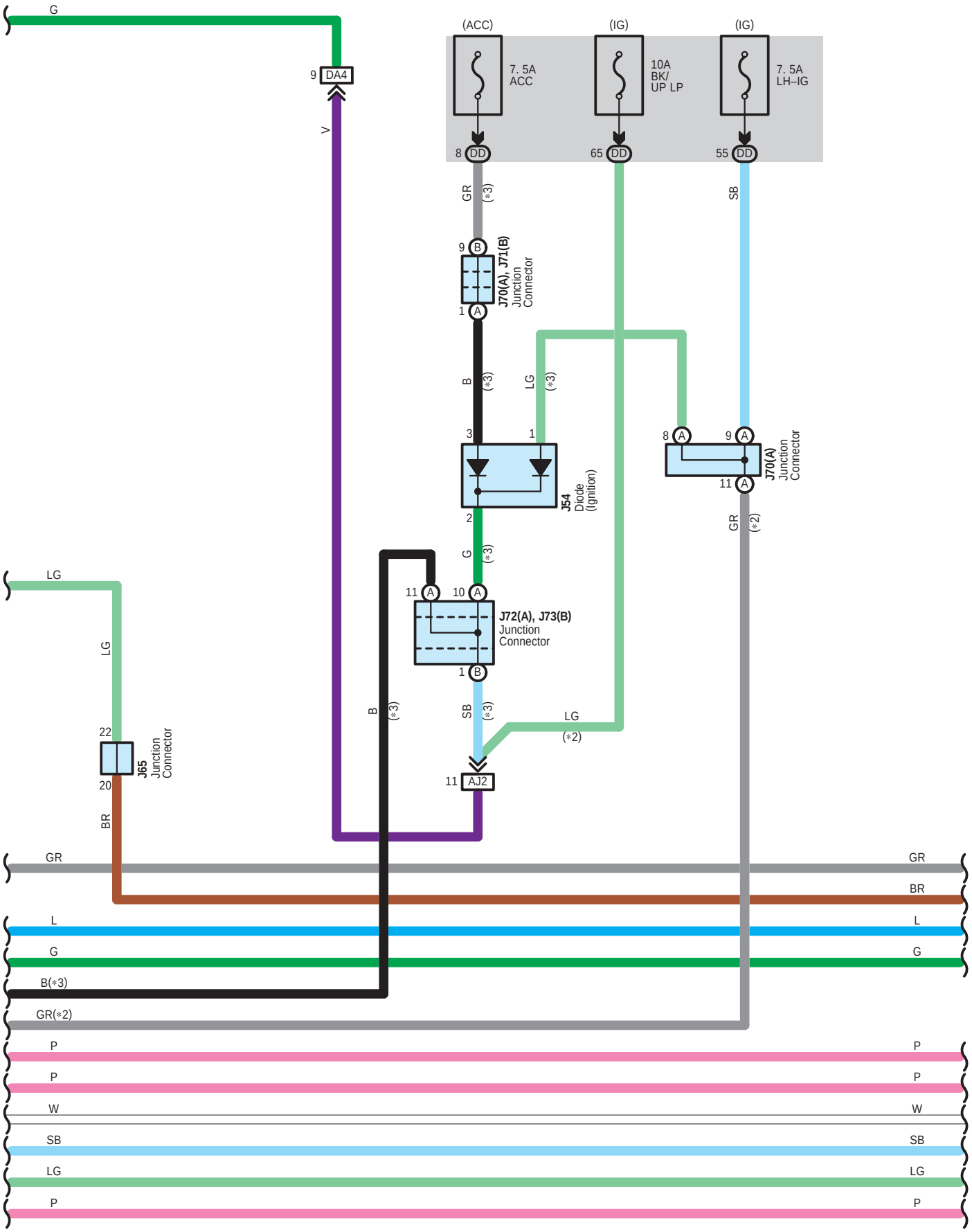

A24(A), D74(B)
Engine Control Module
W
PWR
SFTU
SFTD
S
24
51
38
27
25
L
G
BE
Y
P
19 AJ4
18 AJ4
17 AJ4
16 AJ5
BE
(*3)
Y
SB
V
BE
(*2)
2
1
(*2)
12
5
4
(*3)
4
P
SFTU
SFTD
1
A
J23
Tow/Haul Pattern
Select Switch
E
E
IG
S
J24(A), J25(B)
Transmission
Control Switch
J72(A), J73(B)
Junction
Connector
5
3
7
(*2)
11
10
9
11
6
13
(*3)
W
P
W–B
(*2)
W–B
(*3)
W–B
GR(*2)
B
(*3)
B(*3)
GR(*2)
P
2
J60
Junction
Connector
7
W–B
P
W
SB
LG
P
W
SB
LG
P
J1
J2

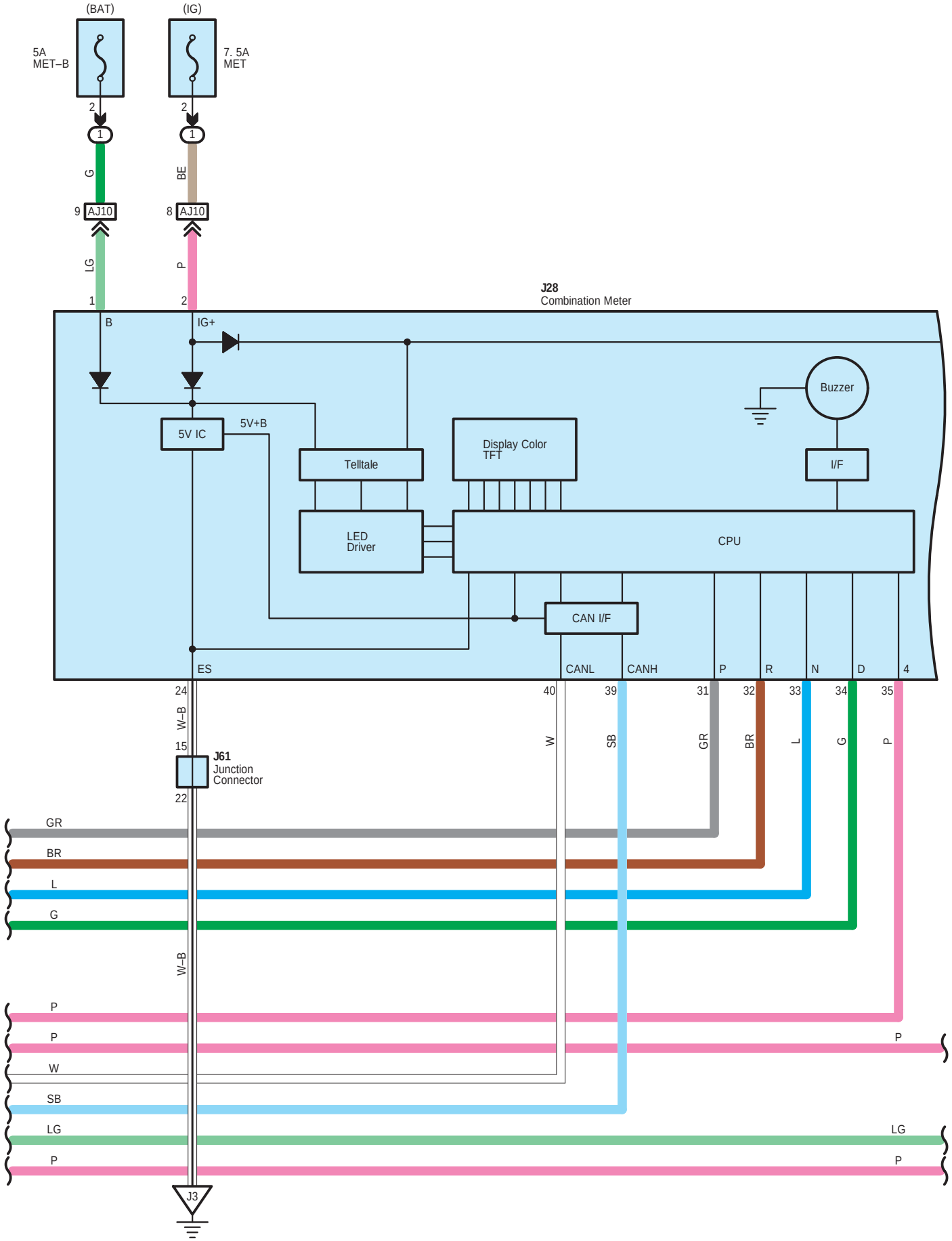

* 2 : Floor Shift
* 3 : Column Shift
(BAT)
7. 5A
AM2
2
1
Y
5
AJ9
L
5
AM2
IG2
ST2
7
G
J9
Ignition Switch
G
R
R
GR
1
5
1
ST Relay
3
2
1
1
V
W–B
10
A44
Junction Connector
5
W–B
R
A24(A), D74(B)
Engine Control Module
R
D
N
P
STSW
NSW
STAR
STA
26 B
27 B
25 B
2 B
14 A
120 B
16 B
46 A
L–R
G
G–W
G–B
BR
L
L
R
L
L
BR
G–B
G–W
G
L–R
B(*3)
GR(*2)
P
P
W
SB
LG
P
B(*3)
GR(*2)
P
P
W
SB
LG
P
A2

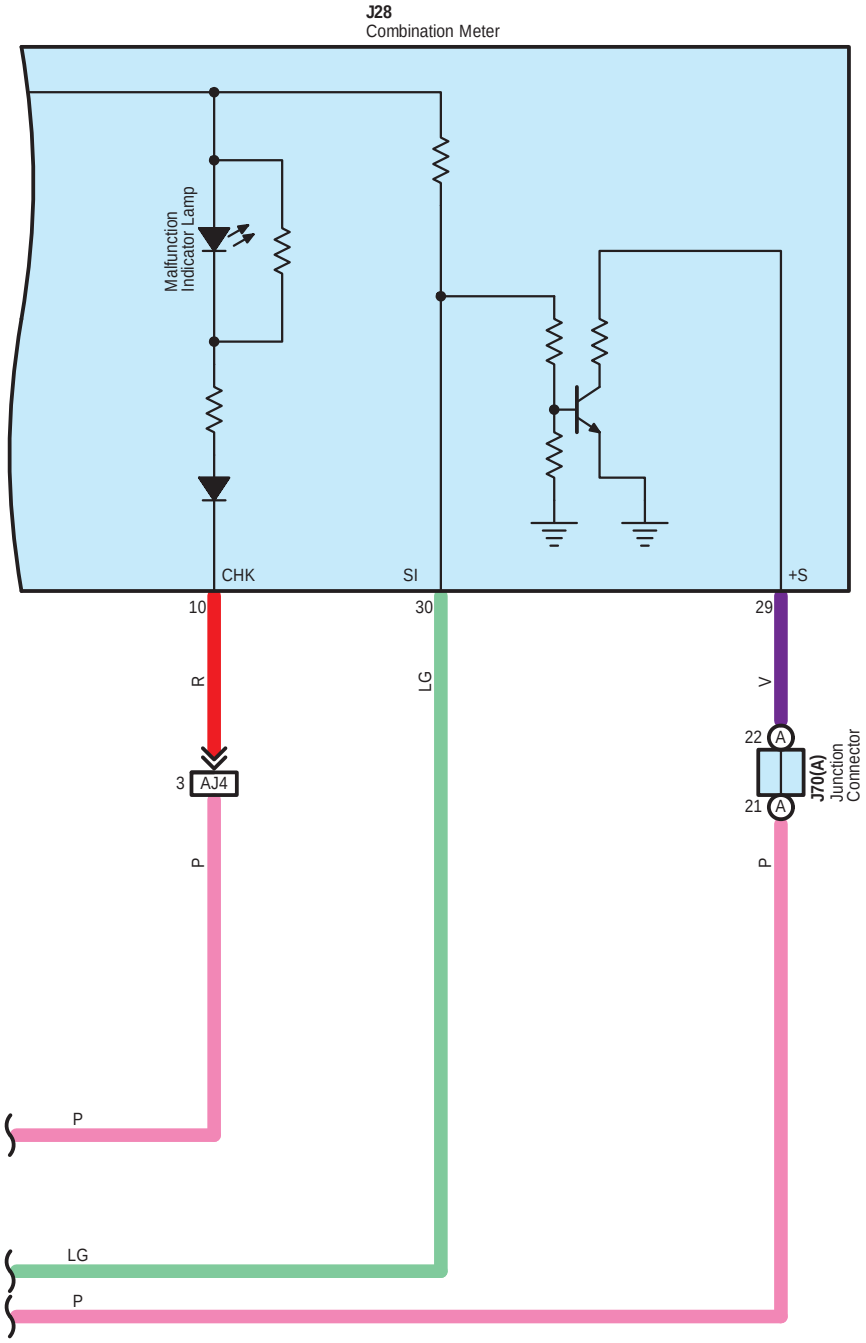

G
R
R
G
4 DA2
14 AJ3
R
BE
5
B
L
P
N
D35
Park/Neutral
Position Switch
4
G–B
G–W
G
5
6
A51
Junction
Connector
4
L
V
BR
1
2
A35
Diode
(Starting)
6 B
7 B
5 B
7 A
A45(A), D73(B)
Junction Connector
L
L
L
L
BR
G–B
G–W
G
L–R
L–R


B(*3)
B(*3)
GR(*2)
GR(*2)
P
P
P
P
W
W
SB
SB
LG
LG
P
P

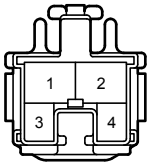

* 2 : Floor Shift
* 3 : Column Shift
G
2
DL
NL
RL
PL
RB
P
R
N
D
S
D35
Park/Neutral
Position Switch
7
9
1
6
G
G–W
L–R
G–B
G–B
G–W
G–W
G–B
G–B
G
G
11 B
10 B
8 B
9 B
1 B
2 B
A45(A), D73(B)
Junction
Connector
1 A
3 A
10 A
W
LG
GR
7 AJ4
8 AJ4
17 AJ5
G
L
GR
L–R
L–R
2 DA4
L
11 AJ4
R
5
J66
Junction
Connector
6
LG
LG
GR
L–R
L
G
B(*3)
B(*3)
GR(*2)
GR(*2)
P
P
P
P
W
W
SB
SB
LG
LG
P
P


G
9 DA4
V
(ACC)
(IG)
(IG)
7. 5A ACC
10A BK/ UP LP
7. 5A LH–IG
8 DD
65 DD
55 DD
GR (*3)
SB
9 B
J70(A), J71(B) Junction Connector
1 A
B (*3)
LG (*3)
3
1
J54 Diode (Ignition)
2
G (*3)
8 A
9 A
J70(A) Junction Connector
11 A
GR (*2)
LG
LG
22
J65 Junction Connector
20
BR
11 A
10 A
J72(A), J73(B) Junction Connector
1 B
B (*3)
SB (*3)
LG (*2)
11 AJ2
GR
GR
BR
L
L
G
G
B(*3)
GR(*2)
P
P
P
P
W
W
SB
SB
LG
LG
P
P

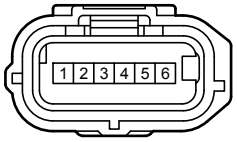

(BAT)
(IG)
5A
MET–B
7. 5A
MET
2
1
G
BE
9 AJ10
8 AJ10
LG
P
1
2
J28
Combination Meter
B
IG+
Buzzer
5V IC
5V+B
Telltale
Display Color
TFT
I/F
LED
Driver
CPU
CAN I/F
ES
CANL
CANH
P
R
N
D
4
24
40
39
31
32
33
34
35
W–B
W
SB
GR
BR
L
G
P
15
J61
Junction
Connector
22
GR
BR
L
G
W–B
P
P
P
W
SB
LG
LG
P
P
J3


J28
Combination Meter
Malfunction Indicator Lamp
CHK
SI
+S
10
30
29
R
LG
V
3
AJ4
22
21
A
J70(A)
Junction Connector
P
P
P
LG
P

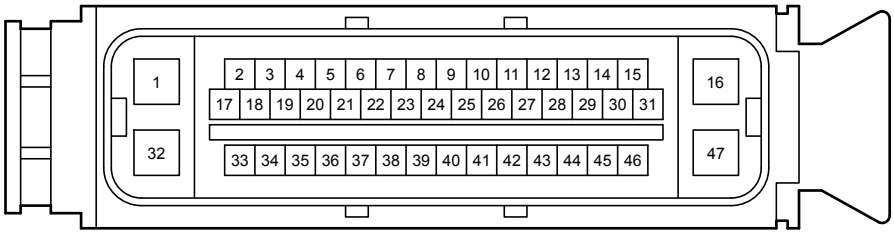
A 4
White



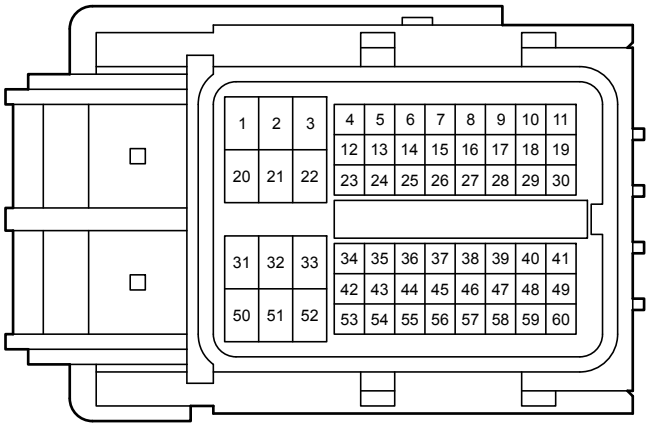
A 14
Black



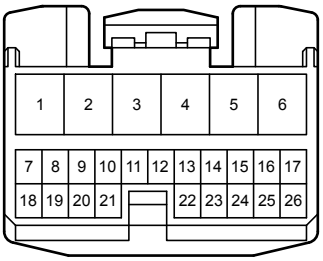
A 17
Black



A 24
Black



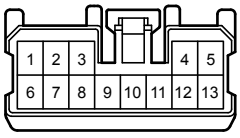
A 26
White



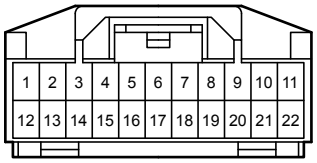
A 35
Black



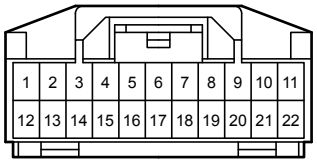
A 44
White



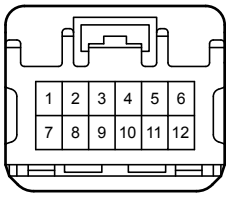
A 45
Blue



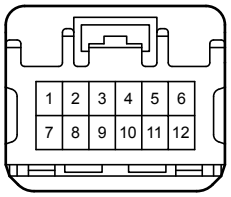
A 49
White



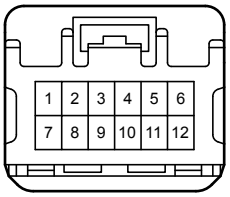
A 50
White



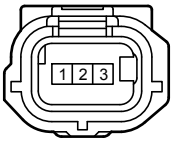
A 51
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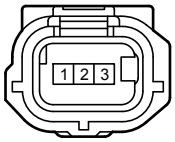
A 52
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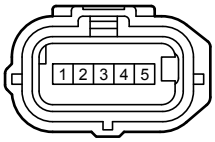
D 3
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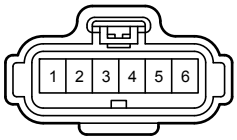
D 6
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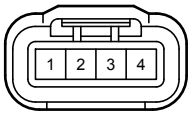
D 7
Black



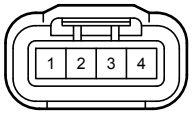
D 9
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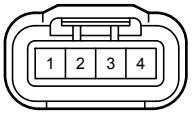
D 10
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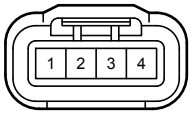
D 12
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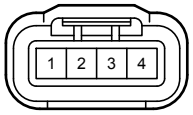
D 14
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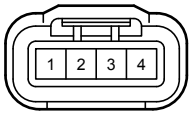
D 16
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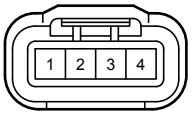
D 19
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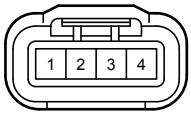
D 21
Black



D 23
Black



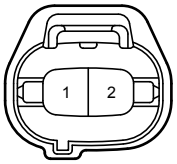
D 25
Black



D 28
Dark Gray



D 29
Black



D 31
Dark Gray



D 32
Dark Gray



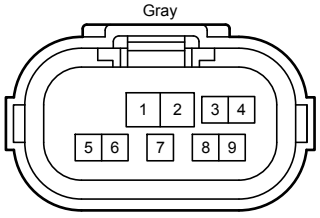
D 33
Dark Gray



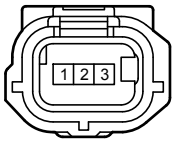
D 34
Dark Gray



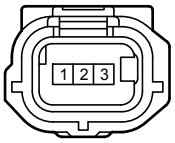
D 35
Gray



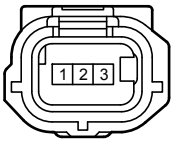
D 37
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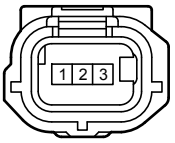
D 39
Black



D 40
Black



D 41
Black



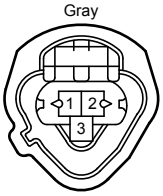
D 44
Black



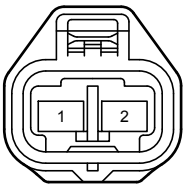
D 45
Black



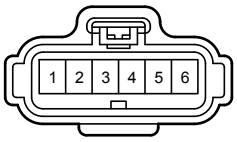
D 46
Gray



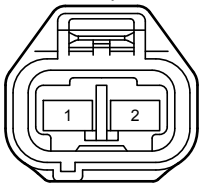
D 48
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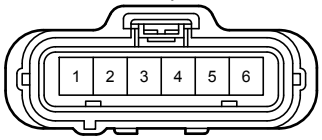
D 50
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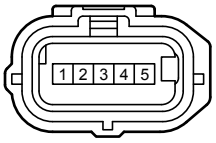
D 52
Gray



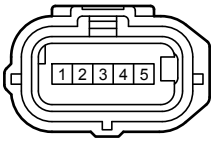
D 54
Gray



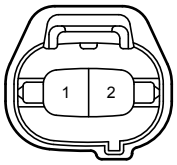
D 58
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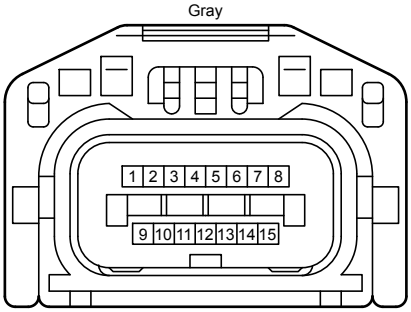
D 59
Black



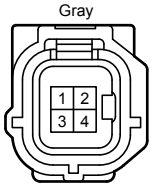
D 62
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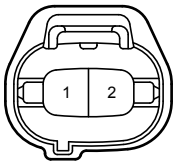
D 63
Gray



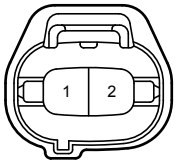
D 64
Gray



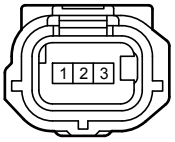
D 65
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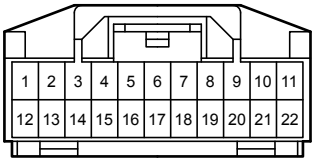
D 66
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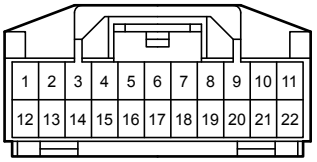
D 70
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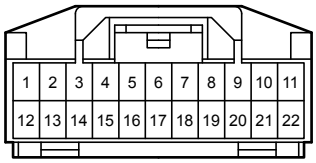
D 71
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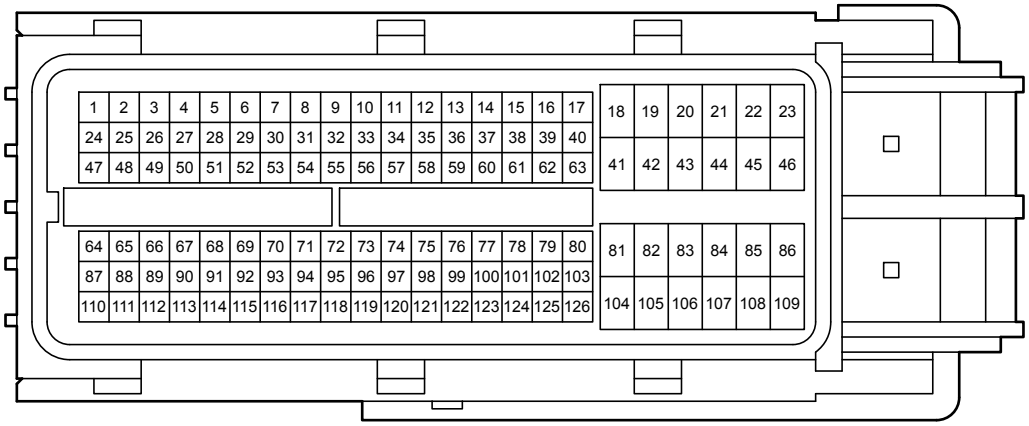
D 72
White



D 73
Blue



D 74
Black



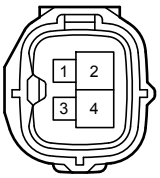
D 75
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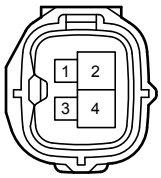
D 76
Black



D 89
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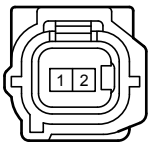
D 90
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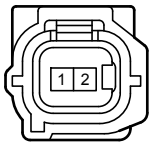
E 9
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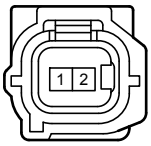
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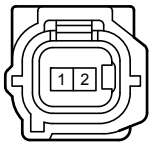
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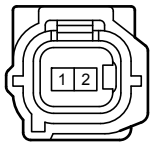
F 3
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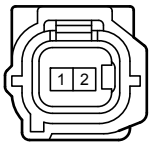
F 4
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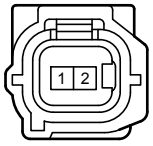
H 1
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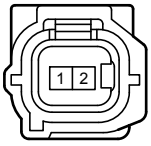
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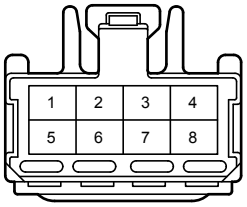
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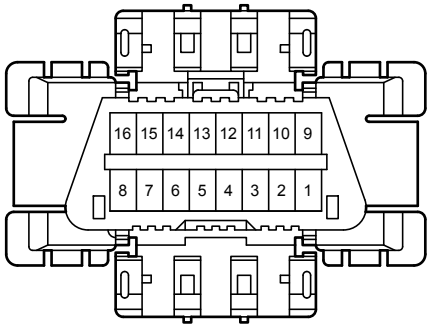
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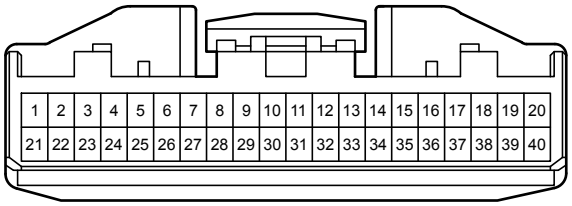
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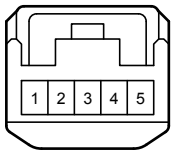
J 17
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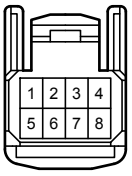
J 19
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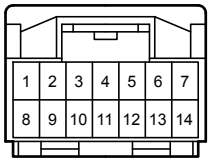
J 23
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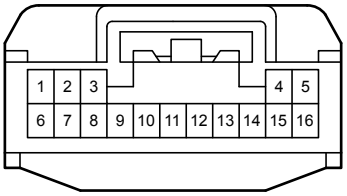
J 24
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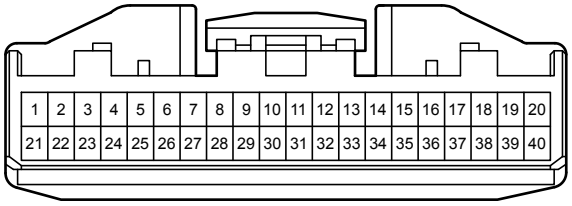
J 25
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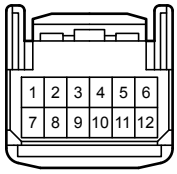
J 26
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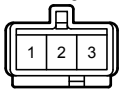
J 28
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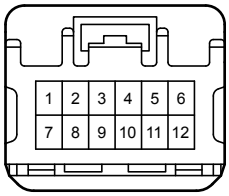
J 45
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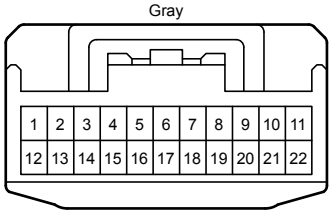
J 54
Orange



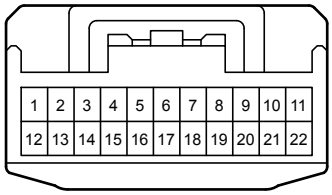
J 60
White



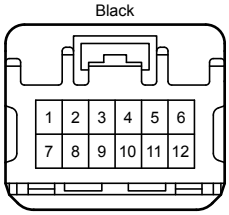
J 61
Gray



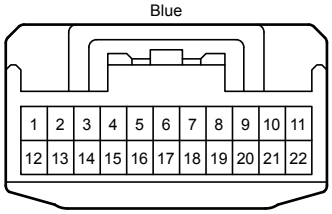
J 65
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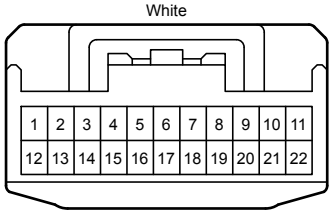
J 66
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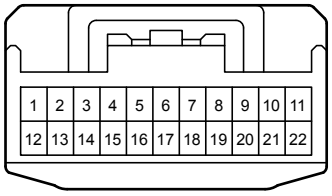
J 70
Blue



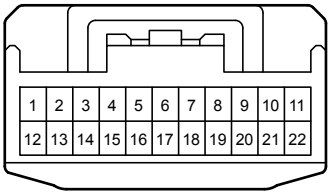
J 71
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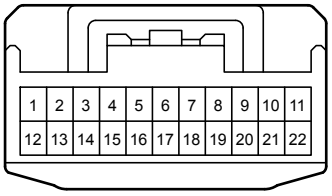
J 72
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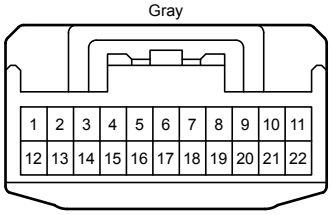
J 73
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J 74
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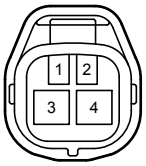
J 75
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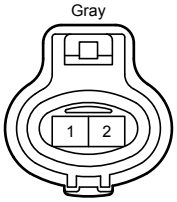
R 6
White



R 7
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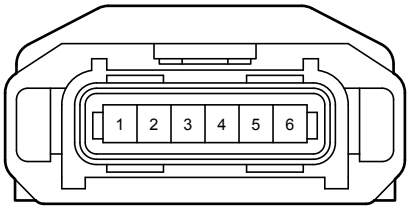
R 8
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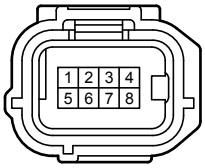
R 9
Dark Gray



R 11
Black



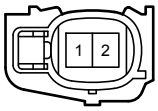
R 12
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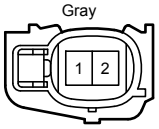
R 19
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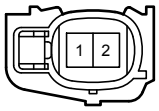
a 3
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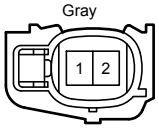
a 4
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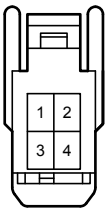
a 5
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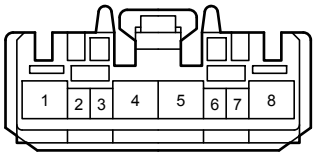
a 6
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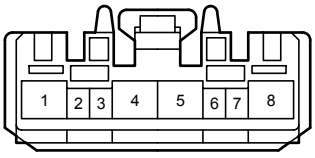
z 2
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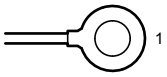
1A
White



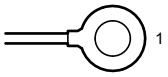
1B
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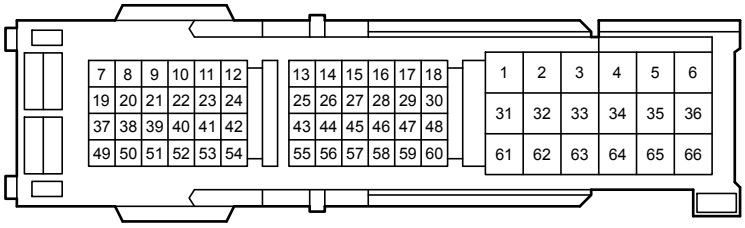
1G



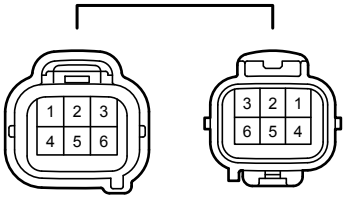
1H



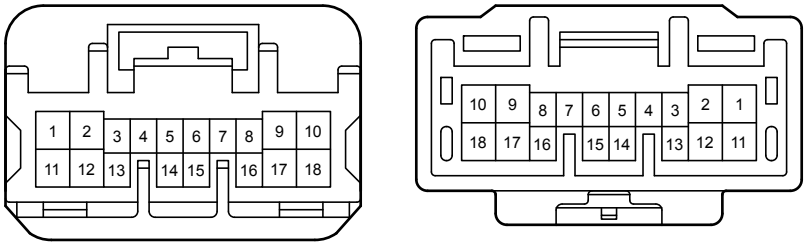
DD
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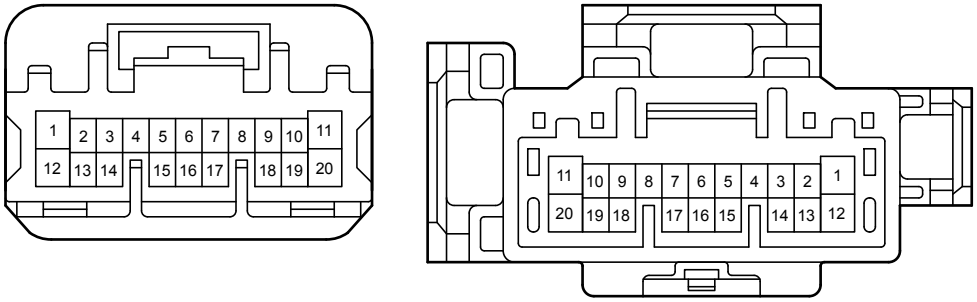
AE1
Gray



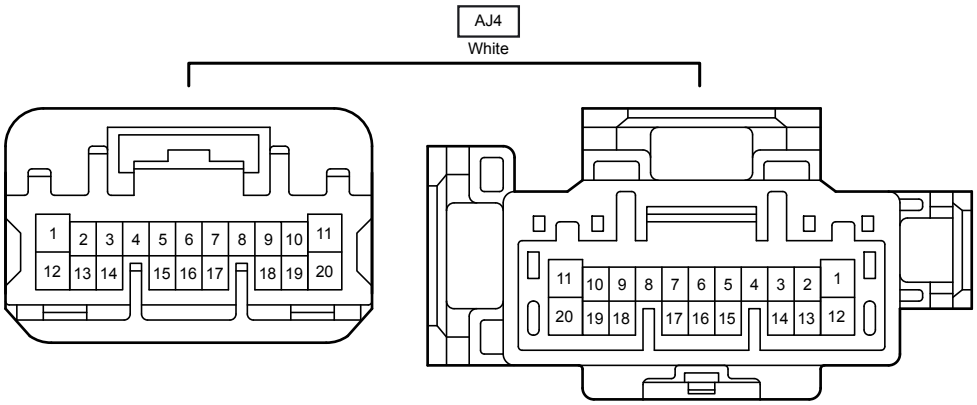
AJ2
Gray



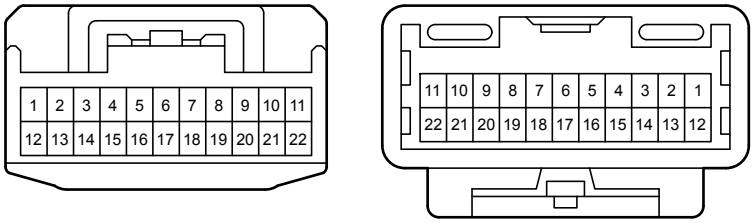
AJ3
White



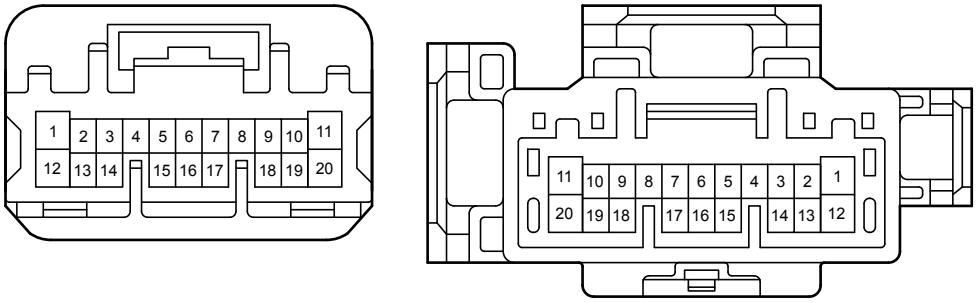
AJ4
White



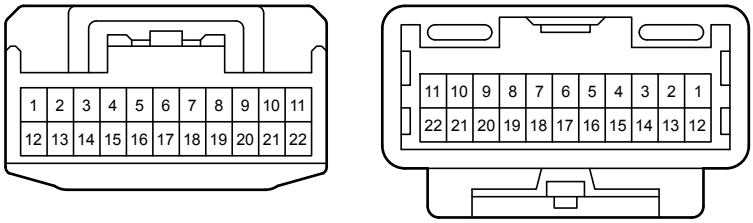
AJ5
Gray



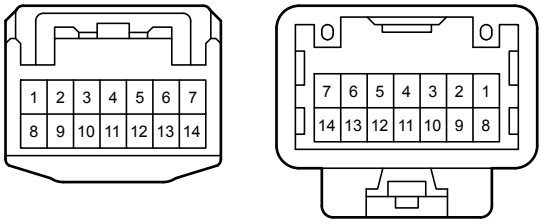
AJ9
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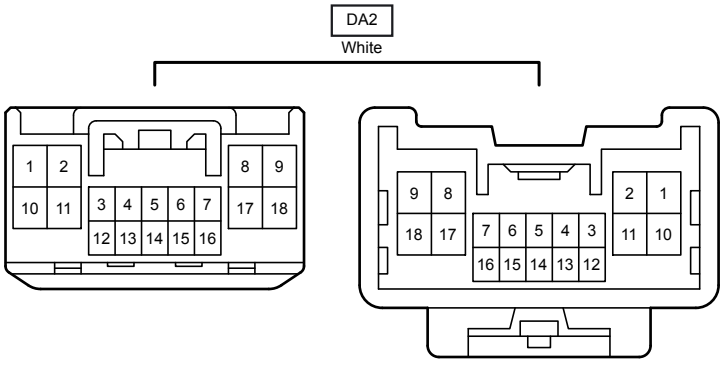
AJ10
Gray



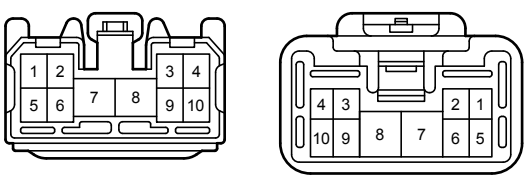
DA1
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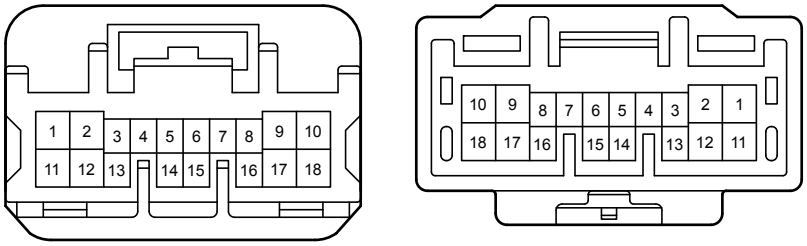
DA2
White



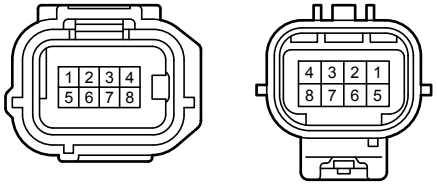
DA3
White



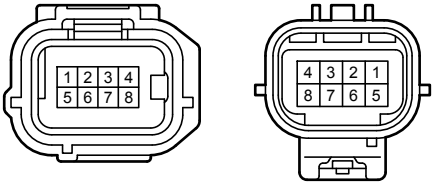
DA4
Gray



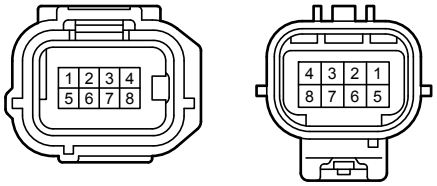
DF1
Gray



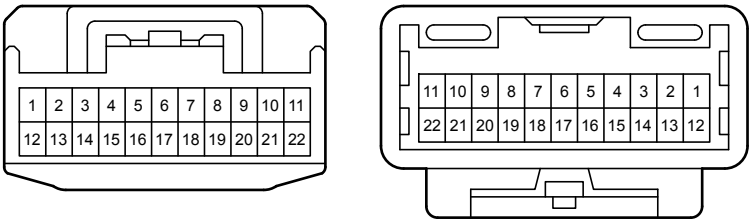
DH1
Gray



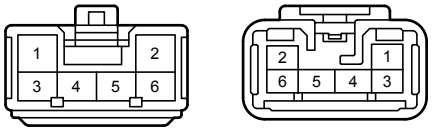
Da1
Gray



RA1
Black



RA2
White



RA4
White

