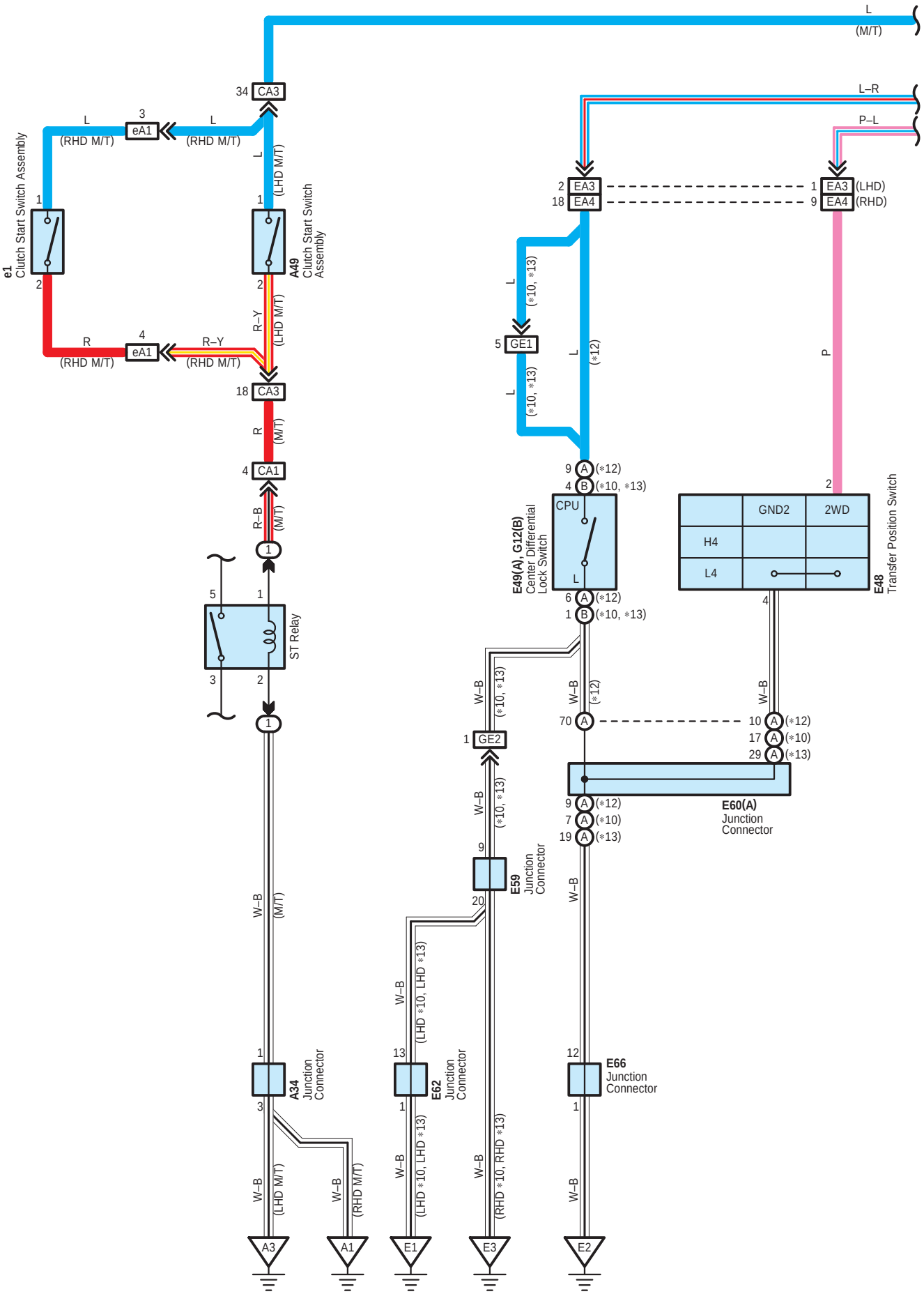
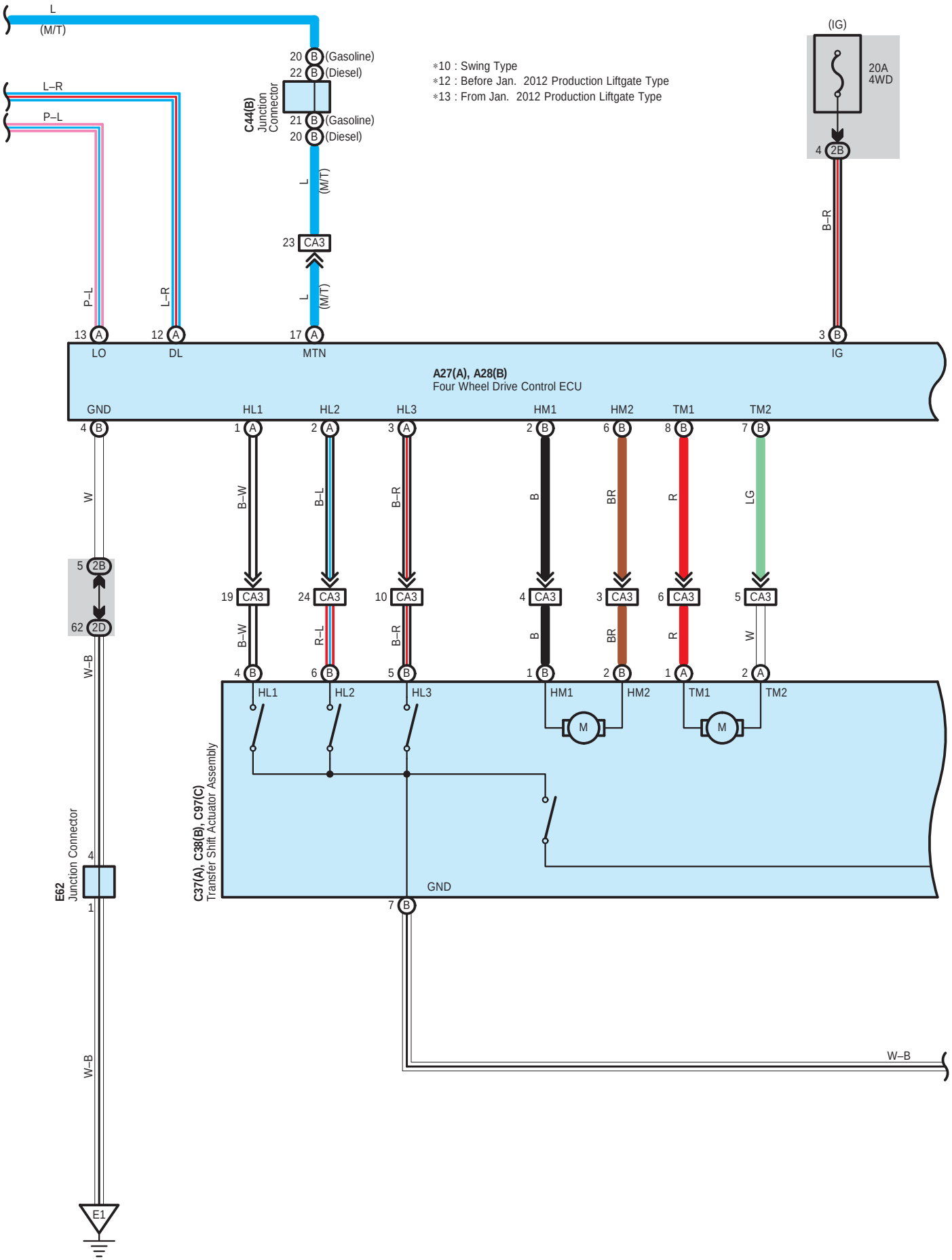
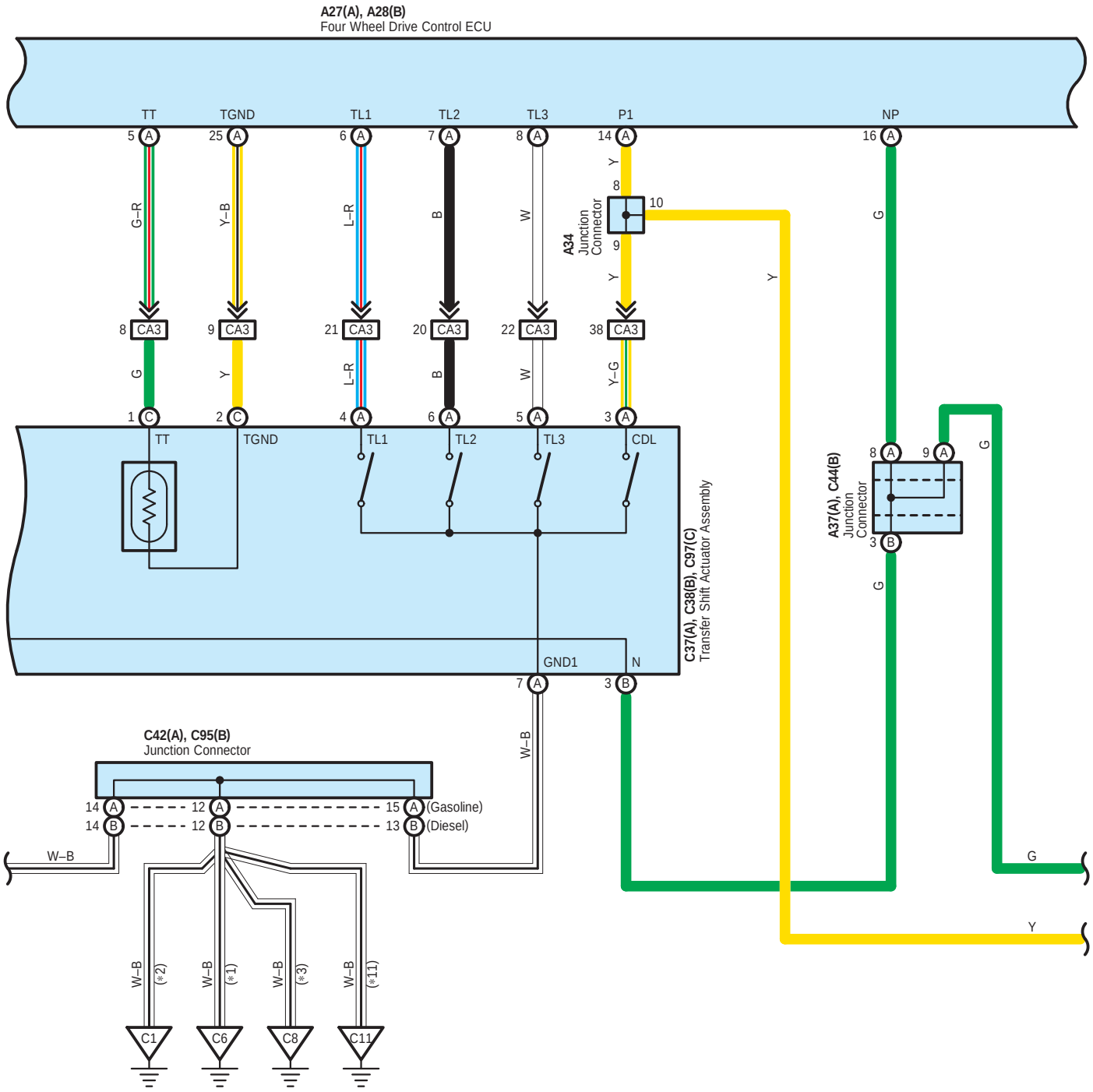
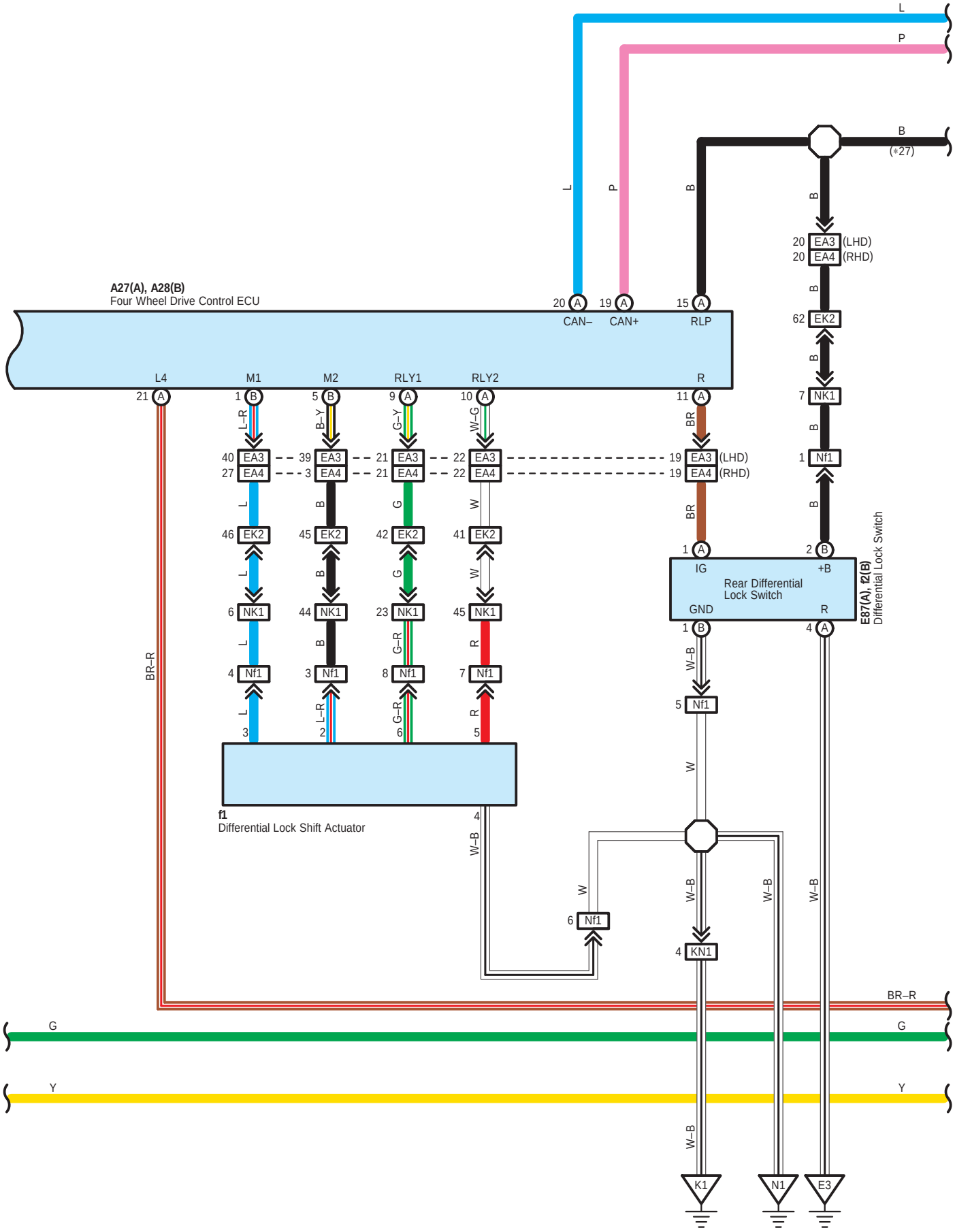
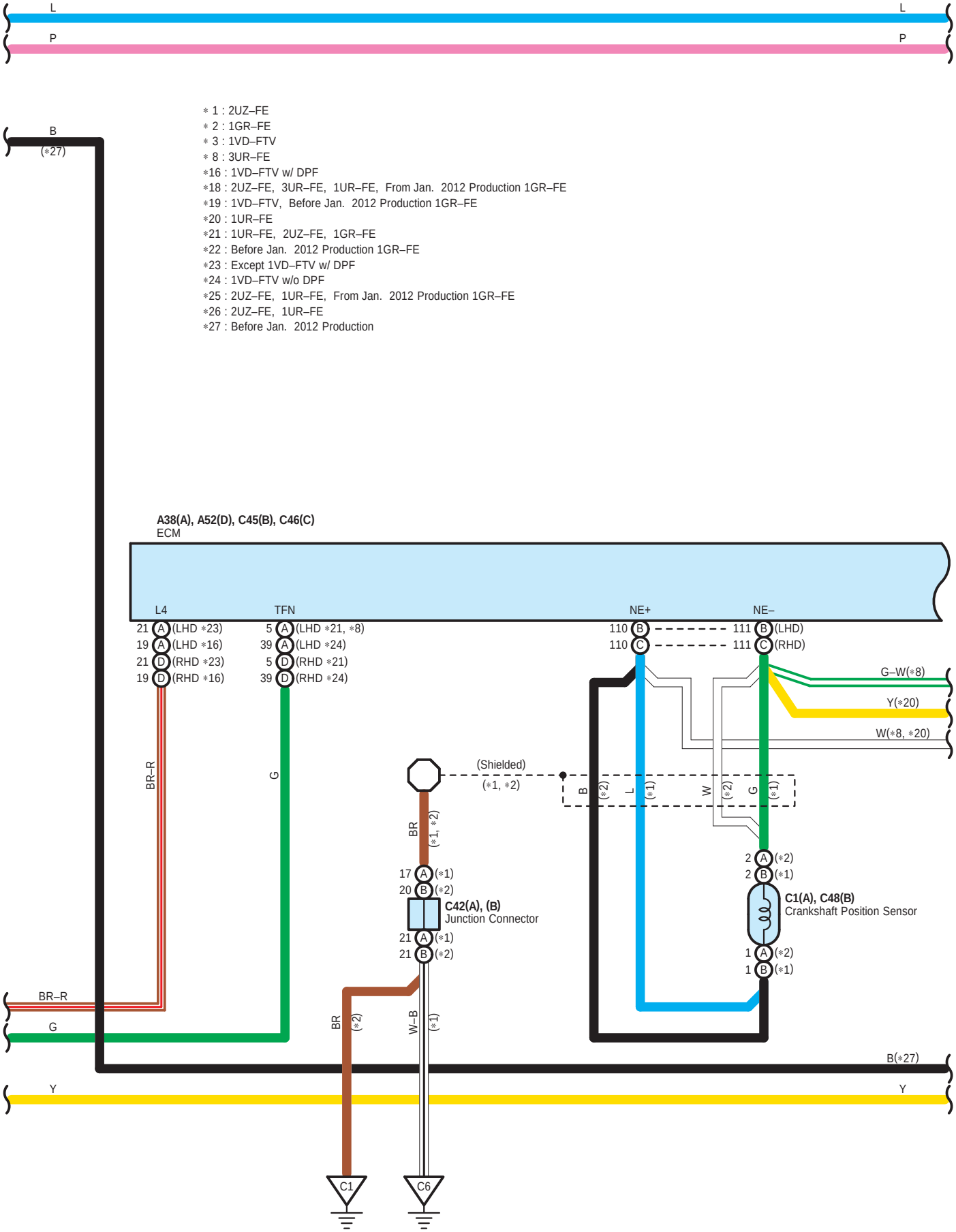

L
(M/T)
34 CA3
L–R
P–L
L
(RHD M/T)
3 eA1
L
(RHD M/T)
L
(LHD M/T)
2 EA3
18 EA4
1 EA3 (LHD)
9 EA4 (RHD)
e1
Clutch Start Switch Assembly
1
2
A49
Clutch Start Switch Assembly
L
(*10, *13)
5 GE1
L
(*12)
P
L
(*10, *13)
R–Y
(LHD M/T)
R
(RHD M/T)
4 eA1
R–Y
(RHD M/T)
18 CA3
R
(M/T)
9 A (*12)
4 B (*10, *13)
4 CA1
R–B
(M/T)
CPU
L
E49(A), G12(B)
Center Differential Lock Switch
6 A (*12)
1 B (*10, *13)
2
GND2
2WD
H4
L4
E48
Transfer Position Switch
4
1
5
1
3
2
ST Relay
W–B
(*10, *13)
W–B
(*12)
W–B
1 GE2
70 A
10 A (*12)
17 A (*10)
29 A (*13)
W–B
(*10, *13)
9 A (*12)
7 A (*10)
19 A (*13)
E60(A)
Junction Connector
E59
Junction Connector
20
W–B
(M/T)
W–B
(LHD *10, LHD *13)
1
1
A34
Junction Connector
13
E62
Junction Connector
12
E66
Junction Connector
3
1
1
W–B
(LHD M/T)
W–B
(RHD M/T)
W–B
(LHD *10, LHD *13)
W–B
(RHD *10, RHD *13)
W–B
A3
A1
E1
E3
E2

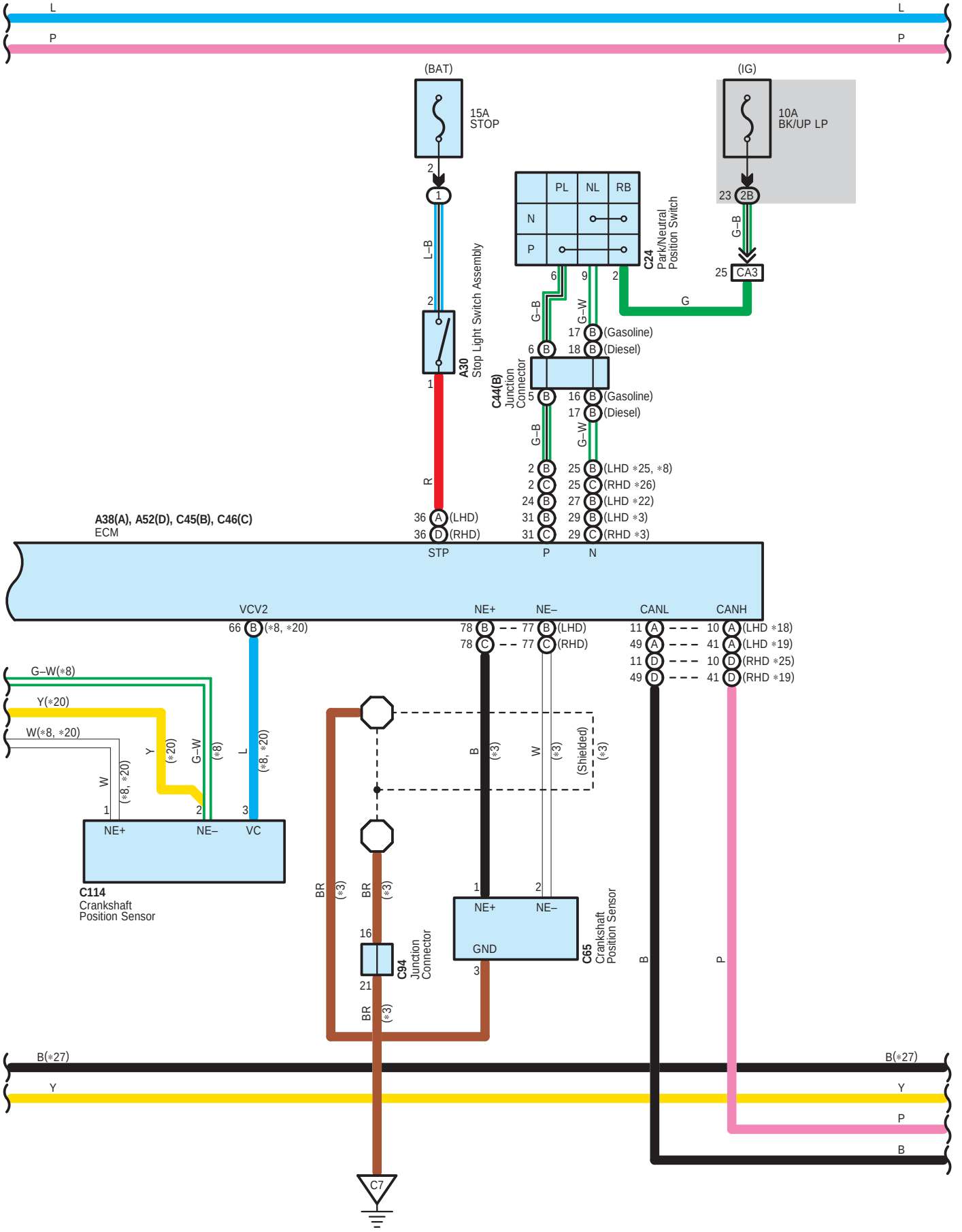

L
(M/T)
L–R
P–L
20 B (Gasoline)
22 B (Diesel)
C44(B) Junction Connector
21 B (Gasoline)
20 B (Diesel)
L (M/T)
23 CA3
L (M/T)
∗10 : Swing Type
∗12 : Before Jan. 2012 Production Liftgate Type
∗13 : From Jan. 2012 Production Liftgate Type
(IG)
20A 4WD
4 2B
B–R
P–L
L–R
13 A LO
12 A DL
17 A MTN
3 B IG
A27(A), A28(B)
Four Wheel Drive Control ECU
GND
HL1
HL2
HL3
HM1
HM2
TM1
TM2
4 B
1 A
2 A
3 A
2 B
6 B
8 B
7 B
W
B–W
B–L
B–R
B
BR
R
LG
5 2B
62 2D
19 CA3
24 CA3
10 CA3
4 CA3
3 CA3
6 CA3
5 CA3
W–B
B–W
R–L
B–R
B
BR
R
W
4 B
6 B
5 B
1 B
2 B
1 A
2 A
HL1
HL2
HL3
HM1
HM2
TM1
TM2
M
M
C37(A), C38(B), C97(C) Transfer Shift Actuator Assembly
GND
7 B
E62 Junction Connector
4
1
W–B
W–B
E1

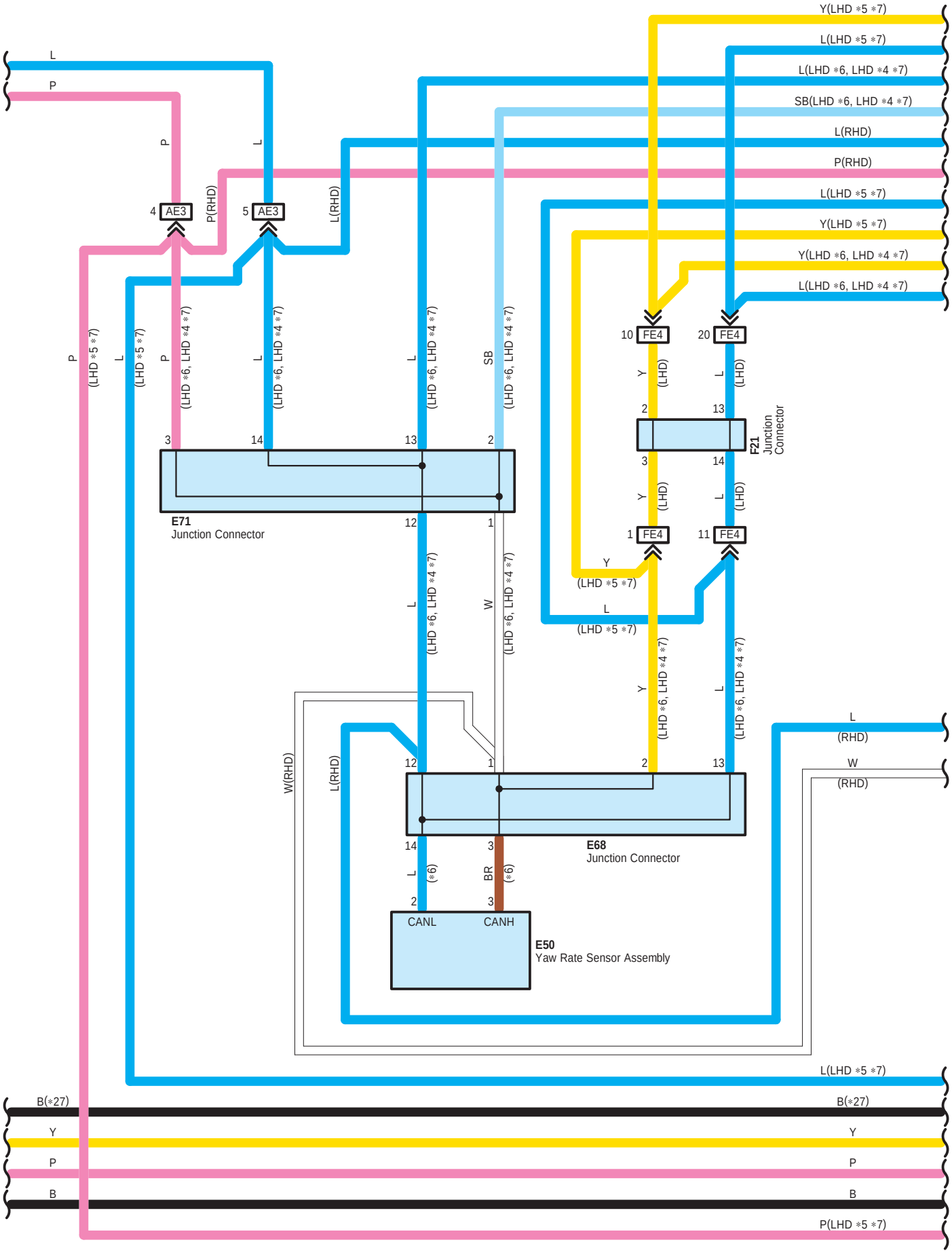
∗ 1 : 2UZ–FE
∗ 2 : 1GR–FE
∗ 3 : 1VD–FTV
∗11 : 3UR–FE, 1UR–FE
∗27 : Before Jan. 2012 Production

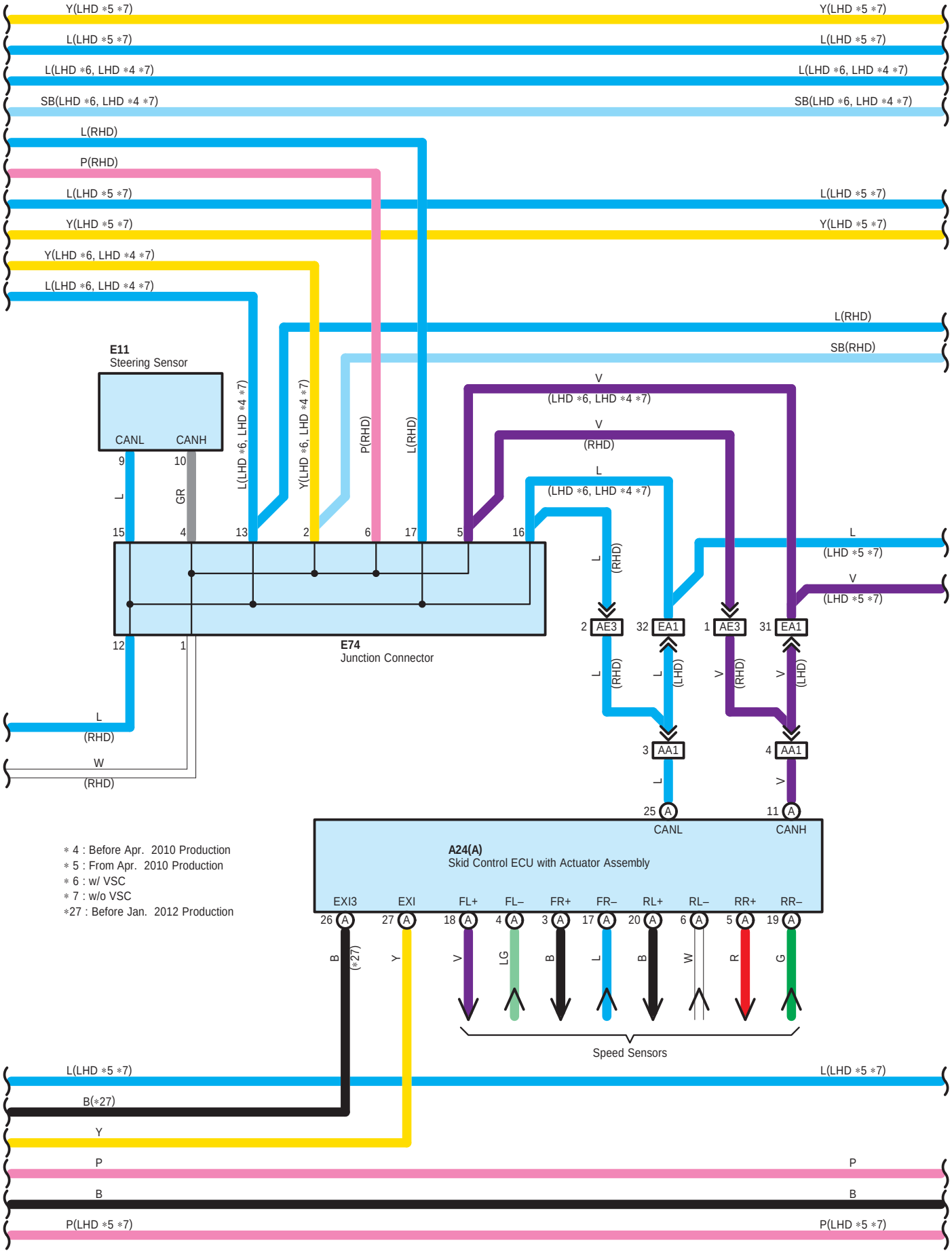


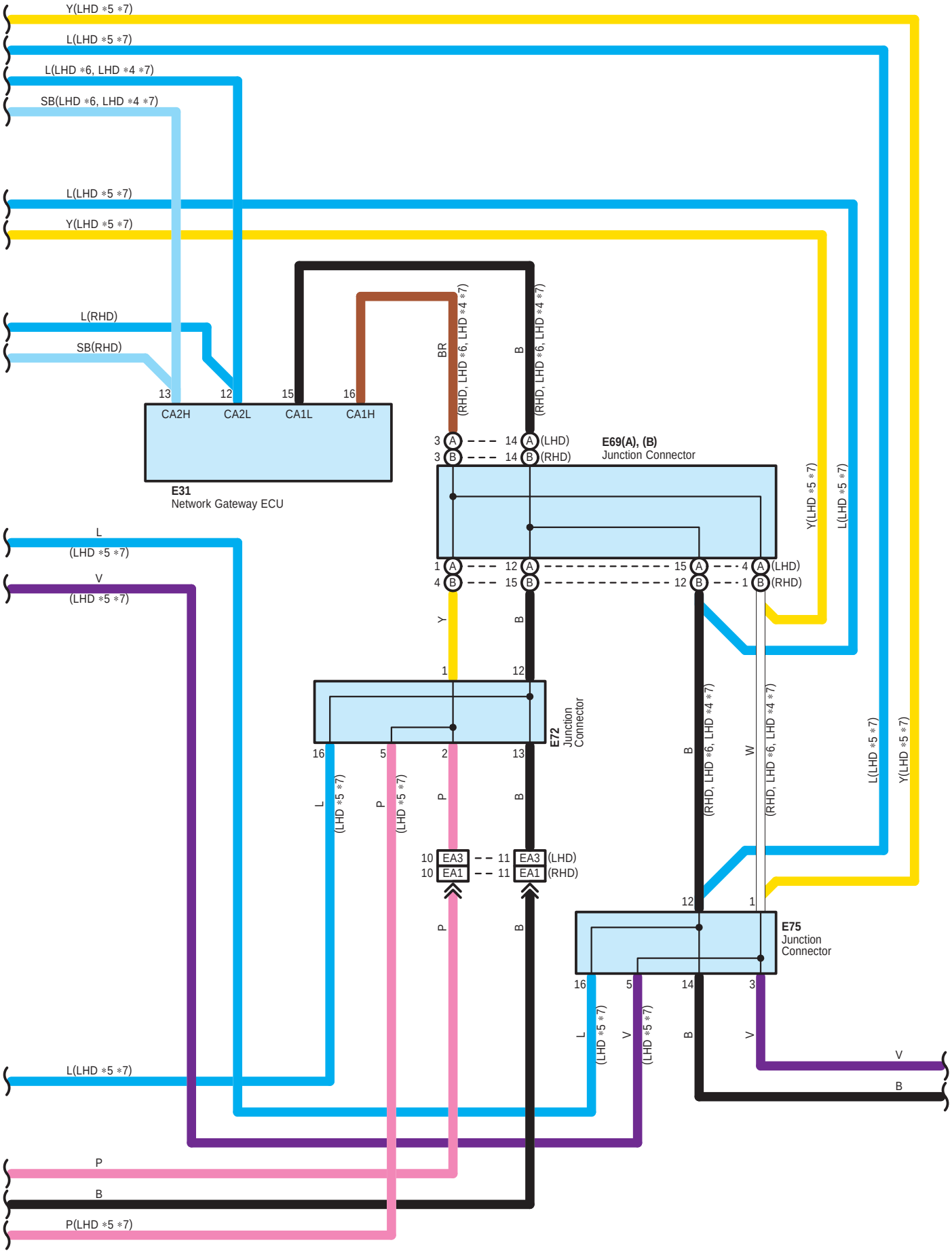

A27(A), A28(B)
Four Wheel Drive Control ECU
20 A CAN–
19 A CAN+
15 A RLP
L4
M1
M2
RLY1
RLY2
R
21 A
1 B
5 B
9 A
10 A
11 A
7 NK1
1 Nf1
2 B
1 A
IG
+B
Rear Differential
Lock Switch
GND
R
1 B
4 A
E87(A), f2(B)
Differential Lock Switch
40 EA3
27 EA4
39 EA3
3 EA4
21 EA3
21 EA4
22 EA3
22 EA4
19 EA3 (LHD)
19 EA4 (RHD)
20 EA3 (LHD)
20 EA4 (RHD)
62 EK2
46 EK2
45 EK2
42 EK2
41 EK2
6 NK1
44 NK1
23 NK1
45 NK1
4 Nf1
3 Nf1
8 Nf1
7 Nf1
3
2
6
5
5 Nf1
4 KN1
6 Nf1
4
f1
Differential Lock Shift Actuator
B
(*27)
L
P
BR–R
G
Y
W–B
K1
N1
E3

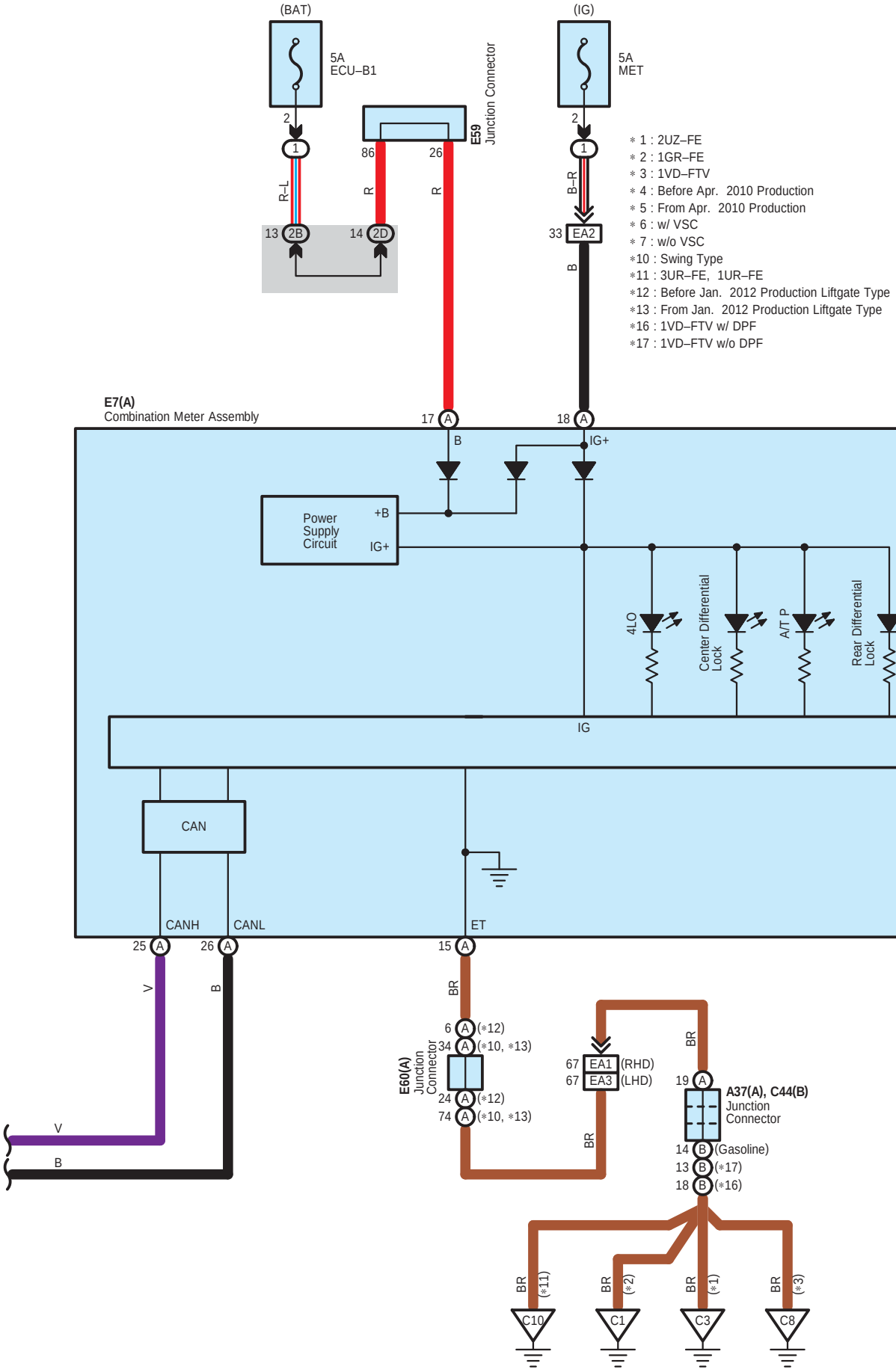

L
L
P
P
∗ 1 : 2UZ–FE
∗ 2 : 1GR–FE
∗ 3 : 1VD–FTV
∗ 8 : 3UR–FE
∗16 : 1VD–FTV w/ DPF
∗18 : 2UZ–FE, 3UR–FE, 1UR–FE, From Jan. 2012 Production 1GR–FE
∗19 : 1VD–FTV, Before Jan. 2012 Production 1GR–FE
∗20 : 1UR–FE
∗21 : 1UR–FE, 2UZ–FE, 1GR–FE
∗22 : Before Jan. 2012 Production 1GR–FE
∗23 : Except 1VD–FTV w/ DPF
∗24 : 1VD–FTV w/o DPF
∗25 : 2UZ–FE, 1UR–FE, From Jan. 2012 Production 1GR–FE
∗26 : 2UZ–FE, 1UR–FE
∗27 : Before Jan. 2012 Production
B
(∗27)
A38(A), A52(D), C45(B), C46(C)
ECM
L4
TFN
NE+
NE–
21 A (LHD ∗23)
19 A (LHD ∗16)
21 D (RHD ∗23)
19 D (RHD ∗16)
5 A (LHD ∗21, ∗8)
39 A (LHD ∗24)
5 D (RHD ∗21)
39 D (RHD ∗24)
110 B
110 C
111 B (LHD)
111 C (RHD)
G–W(∗8)
Y(∗20)
W(∗8, ∗20)
BR–R
G
(Shielded)
(∗1, ∗2)
B (∗2)
L (∗1)
W (∗2)
G (∗1)
BR (∗1, ∗2)
17 A (∗1)
20 B (∗2)
C42(A), (B)
Junction Connector
21 A (∗1)
21 B (∗2)
2 A (∗2)
2 B (∗1)
C1(A), C48(B)
Crankshaft Position Sensor
1 A (∗2)
1 B (∗1)
BR (∗2)
W–B (∗1)
B(∗27)
Y
Y
C1
C6


L
P
(BAT)
15A
STOP
(IG)
10A
BK/UP LP
PL
NL
RB
N
P
C24
Park/Neutral
Position Switch
A30
Stop Light Switch Assembly
L–B
G–B
G–W
G
R
C44(B)
Junction
Connector
(Gasoline)
(Diesel)
(LHD *25, *8)
(RHD *26)
(LHD *22)
(LHD *3)
(RHD *3)
STP
P
N
A38(A), A52(D), C45(B), C46(C)
ECM
VCV2
NE+
NE–
CANL
CANH
(LHD)
(RHD)
(LHD *18)
(LHD *19)
(RHD *25)
(RHD *19)
G–W(*8)
Y(*20)
W(*8, *20)
L
(*8, *20)
(*8)
(*20)
(*3)
(Shielded)
C114
Crankshaft
Position Sensor
C94
Junction
Connector
C65
Crankshaft
Position Sensor
GND
B
P
BR
B(*27)
Y
C7

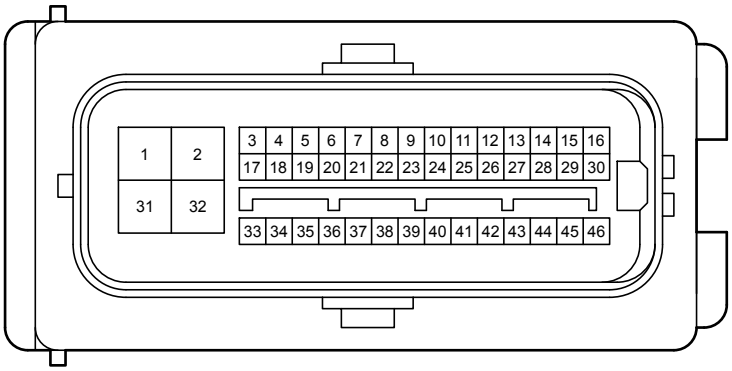

Y(LHD ∗5 ∗7)
L(LHD ∗5 ∗7)
L(LHD ∗6, LHD ∗4 ∗7)
SB(LHD ∗6, LHD ∗4 ∗7)
L(RHD)
P(RHD)
L(LHD ∗5 ∗7)
Y(LHD ∗5 ∗7)
Y(LHD ∗6, LHD ∗4 ∗7)
L(LHD ∗6, LHD ∗4 ∗7)
L
P
4 AE3
5 AE3
P(RHD)
L(RHD)
P (LHD ∗5 ∗7)
L (LHD ∗5 ∗7)
P (LHD ∗6, LHD ∗4 ∗7)
L (LHD ∗6, LHD ∗4 ∗7)
L (LHD ∗6, LHD ∗4 ∗7)
SB (LHD ∗6, LHD ∗4 ∗7)
10 FE4
20 FE4
Y (LHD)
L (LHD)
2
13
F21
Junction Connector
3
14
Y (LHD)
L (LHD)
1 FE4
11 FE4
3
14
13
2
E71
Junction Connector
12
1
Y (LHD ∗5 ∗7)
L (LHD ∗5 ∗7)
L (LHD ∗6, LHD ∗4 ∗7)
W (LHD ∗6, LHD ∗4 ∗7)
Y (LHD ∗6, LHD ∗4 ∗7)
L (LHD ∗6, LHD ∗4 ∗7)
W(RHD)
L(RHD)
12
1
2
13
L (RHD)
W (RHD)
14
3
E68
Junction Connector
L (∗6)
BR (∗6)
2
3
CANL
CANH
E50
Yaw Rate Sensor Assembly
L(LHD ∗5 ∗7)
B(∗27)
Y
P
B
B(∗27)
Y
P
B
P(LHD ∗5 ∗7)


Y(LHD ∗5 ∗7)
L(LHD ∗5 ∗7)
L(LHD ∗6, LHD ∗4 ∗7)
SB(LHD ∗6, LHD ∗4 ∗7)
L(RHD)
P(RHD)
Y(LHD ∗6, LHD ∗4 ∗7)
E11
Steering Sensor
CANL
CANH
L(LHD ∗6, LHD ∗4 ∗7)
Y(LHD ∗6, LHD ∗4 ∗7)
P(RHD)
L(RHD)
SB(RHD)
V
(LHD ∗6, LHD ∗4 ∗7)
V
(RHD)
L
(LHD ∗6, LHD ∗4 ∗7)
E74
Junction Connector
AE3
EA1
AA1
W
(RHD)
∗ 4 : Before Apr. 2010 Production
∗ 5 : From Apr. 2010 Production
∗ 6 : w/ VSC
∗ 7 : w/o VSC
∗27 : Before Jan. 2012 Production
A24(A)
Skid Control ECU with Actuator Assembly
EXI3
EXI
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
Speed Sensors
B(∗27)
Y
P
B
P(LHD ∗5 ∗7)

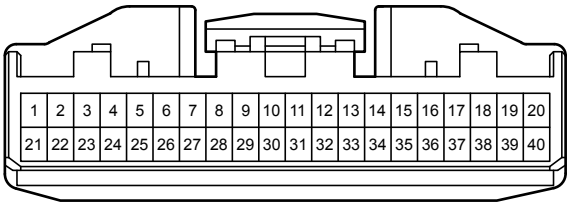

Y(LHD *5 *7)
L(LHD *5 *7)
L(LHD *6, LHD *4 *7)
SB(LHD *6, LHD *4 *7)
L(LHD *5 *7)
Y(LHD *5 *7)
L(RHD)
SB(RHD)
13
12
15
16
CA2H
CA2L
CA1L
CA1H
E31
Network Gateway ECU
BR
(RHD, LHD *6, LHD *4 *7)
B
(RHD, LHD *6, LHD *4 *7)
3 A
3 B
14 A (LHD)
14 B (RHD)
E69(A), (B)
Junction Connector
Y(LHD *5 *7)
L(LHD *5 *7)
1 A
4 B
12 A
15 B
15 A
12 B
4 A (LHD)
1 B (RHD)
L
(LHD *5 *7)
V
(LHD *5 *7)
Y
B
1
12
E72
Junction
Connector
16
5
2
13
L
(LHD *5 *7)
P
(LHD *5 *7)
P
B
B
(RHD, LHD *6, LHD *4 *7)
W
(RHD, LHD *6, LHD *4 *7)
L(LHD *5 *7)
Y(LHD *5 *7)
10 EA3
10 EA1
11 EA3 (LHD)
11 EA1 (RHD)
12
1
E75
Junction
Connector
16
5
14
3
L
(LHD *5 *7)
V
(LHD *5 *7)
B
V
V
B
L(LHD *5 *7)
P
B
P(LHD *5 *7)


(BAT)
5A
ECU–B1
2
1
R–L
13 2B
14 2D
86
R
26
R
E59
Junction Connector
(IG)
5A
MET
2
1
B–R
33 EA2
B
∗ 1 : 2UZ–FE
∗ 2 : 1GR–FE
∗ 3 : 1VD–FTV
∗ 4 : Before Apr. 2010 Production
∗ 5 : From Apr. 2010 Production
∗ 6 : w/ VSC
∗ 7 : w/o VSC
∗10 : Swing Type
∗11 : 3UR–FE, 1UR–FE
∗12 : Before Jan. 2012 Production Liftgate Type
∗13 : From Jan. 2012 Production Liftgate Type
∗16 : 1VD–FTV w/ DPF
∗17 : 1VD–FTV w/o DPF
E7(A)
Combination Meter Assembly
17 A
B
18 A
IG+
Power
Supply
Circuit
+B
IG+
4LO
Center Differential
Lock
A/T P
Rear Differential
Lock
IG
CAN
CANH
CANL
ET
25 A
26 A
15 A
V
B
BR
6 A (∗12)
34 A (∗10, ∗13)
E60(A)
Junction
Connector
24 A (∗12)
74 A (∗10, ∗13)
67 EA1 (RHD)
67 EA3 (LHD)
BR
19 A
A37(A), C44(B)
Junction
Connector
14 B (Gasoline)
13 B (∗17)
18 B (∗16)
BR (∗11)
BR (∗2)
BR (∗1)
BR (∗3)
C10
C1
C3
C8

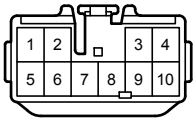
A 24
Black



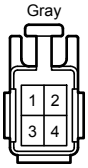
A 27
Black



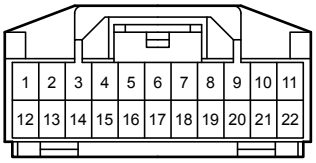
A 28
Black



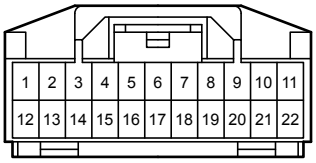
A 30
Gray



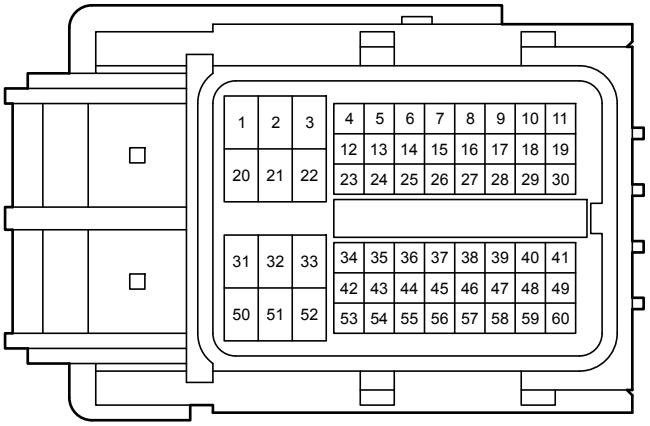
A 34
White



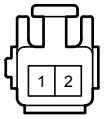
A 37
Blue



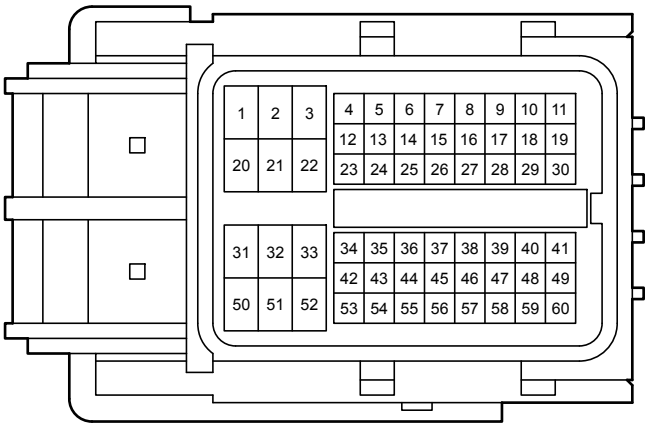
A 38
Black



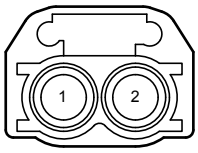
A 49
Black



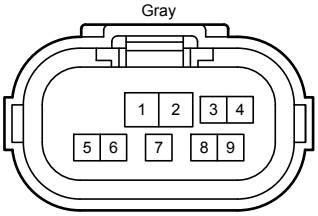
A 52
Black



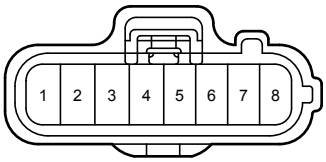
C 1
Black



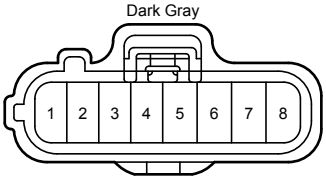
C 24
Gray



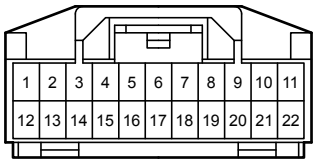
C 37
Black



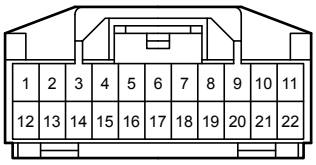
C 38
Dark Gray



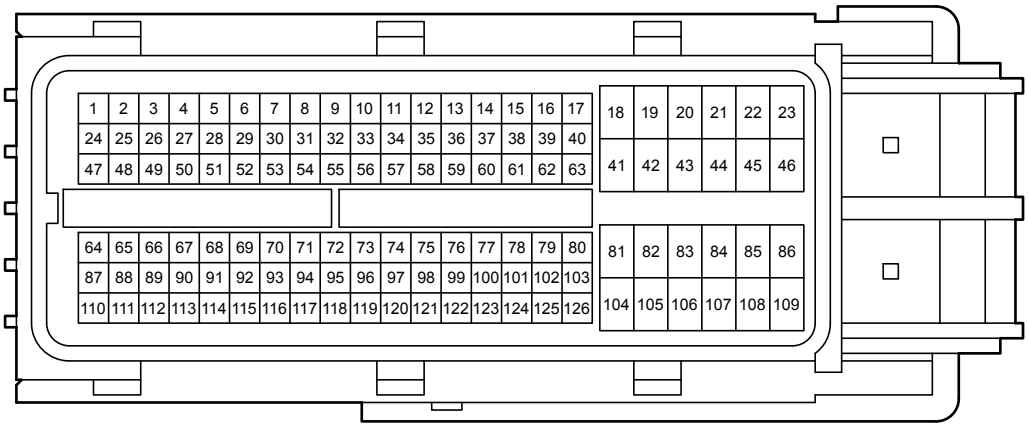
C 42
White



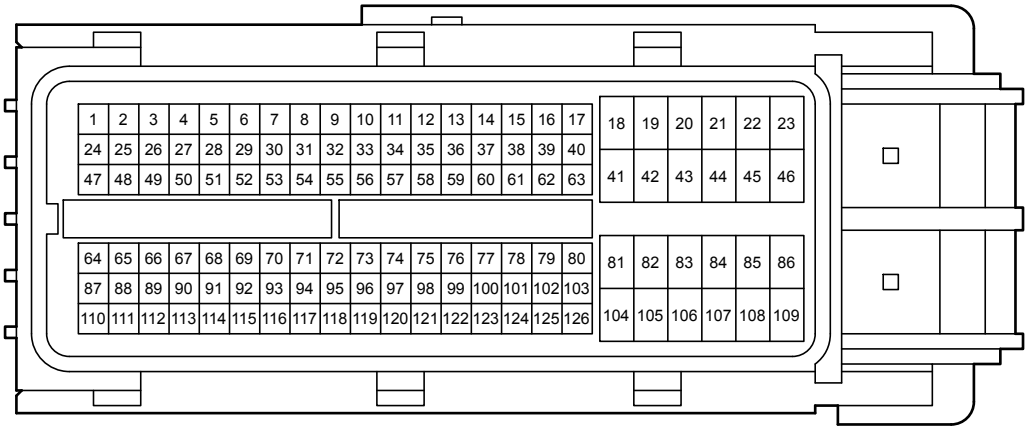
C 44
Blue



C 45
Black



C 46
Black



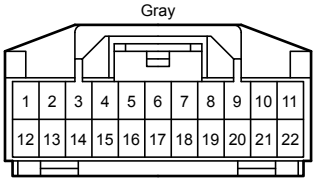
C 48
Dark Gray



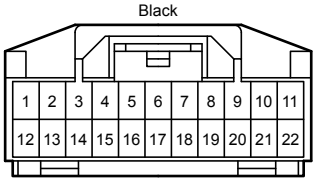
C 65
Black



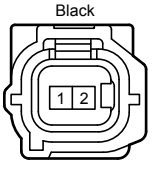
C 94
Gray



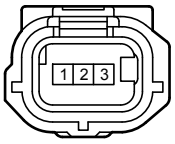
C 95
Black



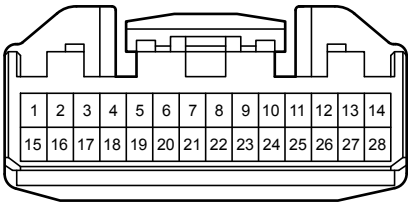
C 97
Black



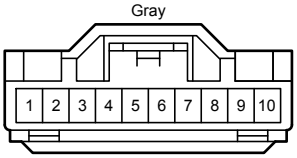
C114
Black



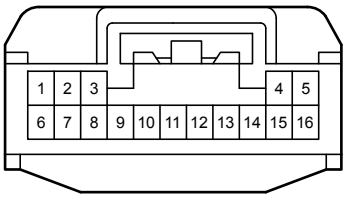
E 7
White



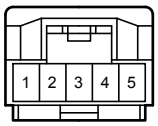
E 11
Gray



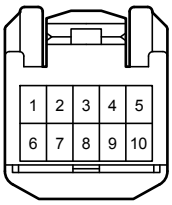
E 31
White



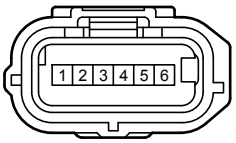
E 48
Black



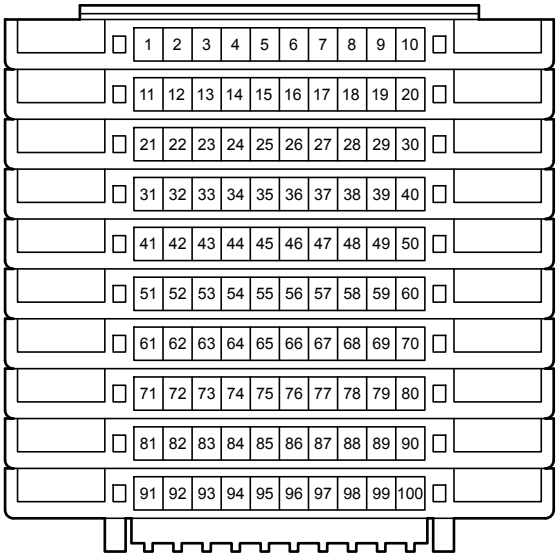
E 49
White



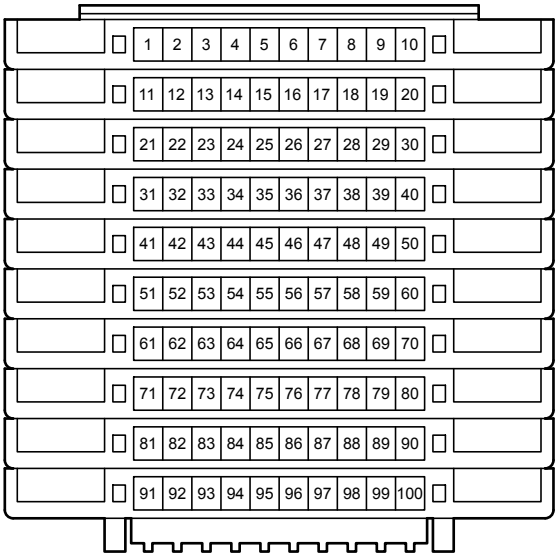
E 50
Black



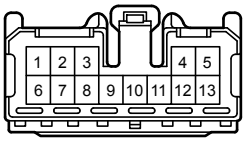
E 59



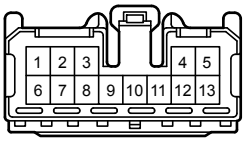
E 60



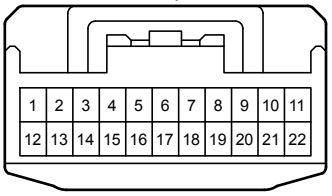
E 62
White



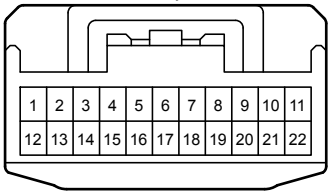
E 66
White



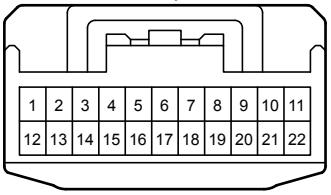
E 68
Gray



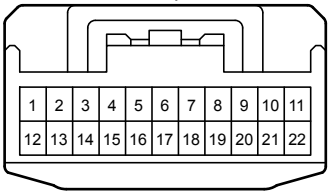
E 69
Gray



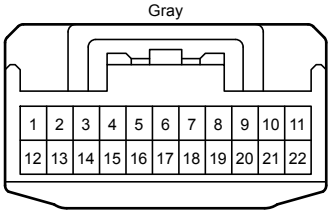
E 71
Gray



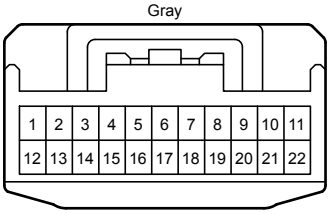
E 72
Gray



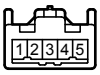
E 74
Gray



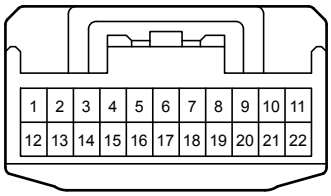
E 75
Gray



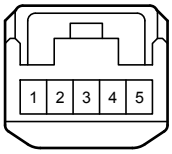
E 87
White



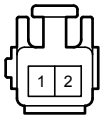
F 21
Black



G 12
White



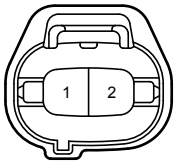
e 1
Black



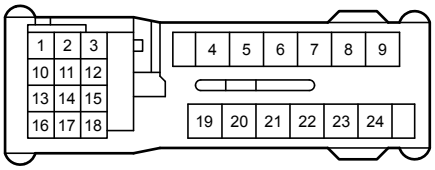
f 1
Gray



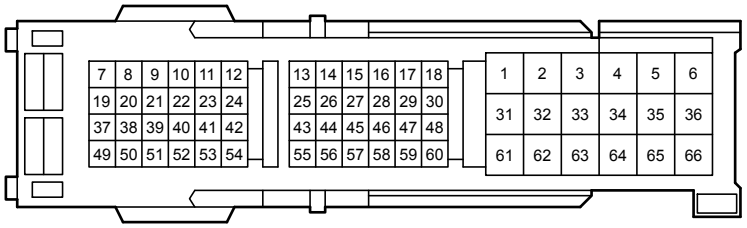
f 2
Blue



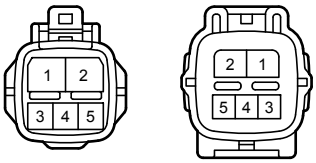
2B
White



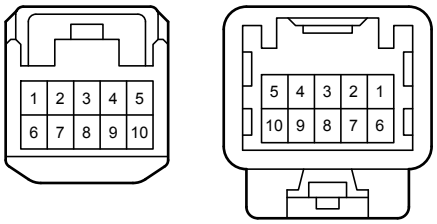
2D
White



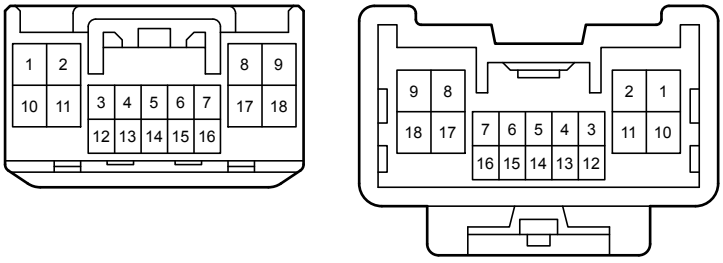
AA1
Gray



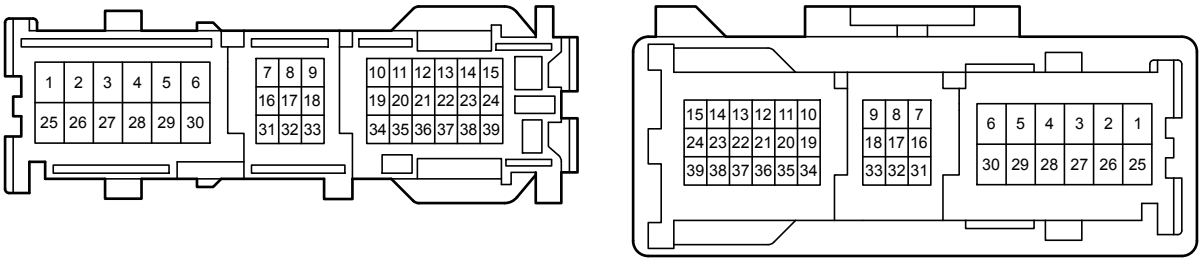
AE3
Gray



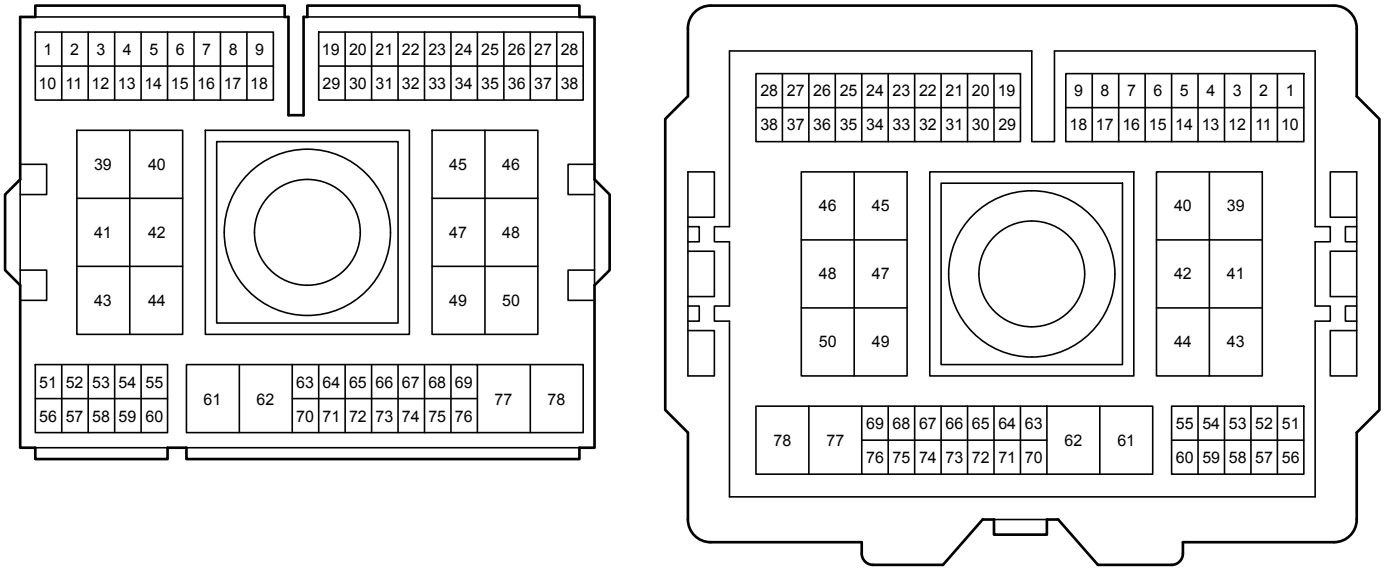
CA1
White



CA3
White

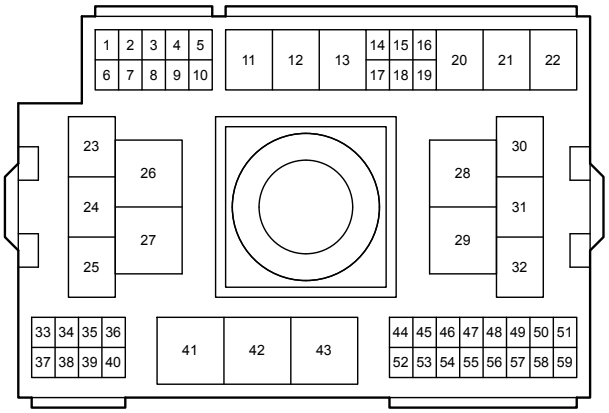


EA1
White

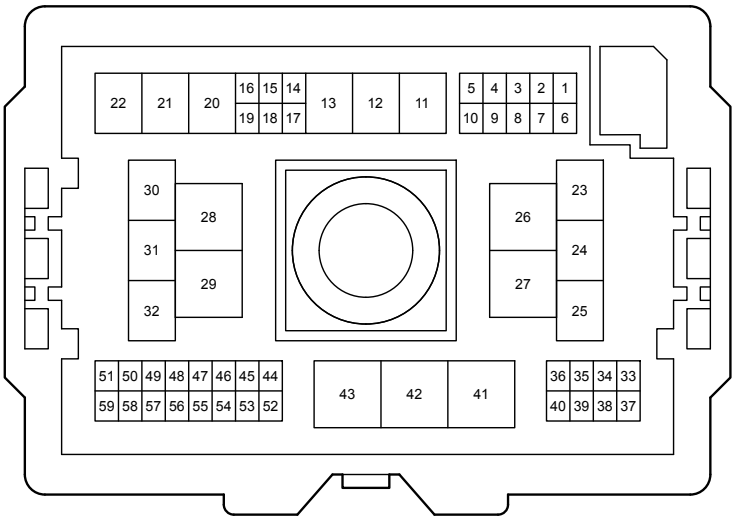


EA2

White

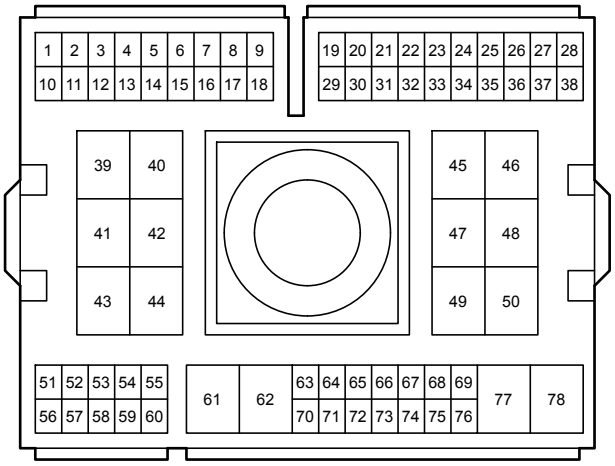


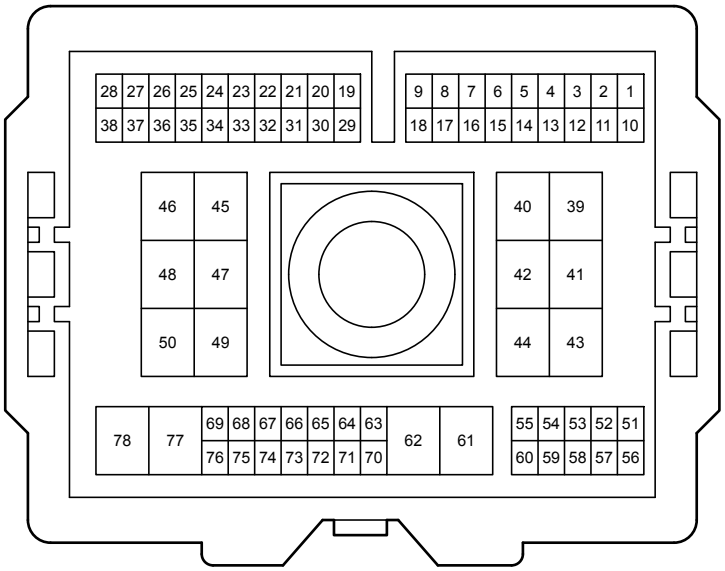
Gray



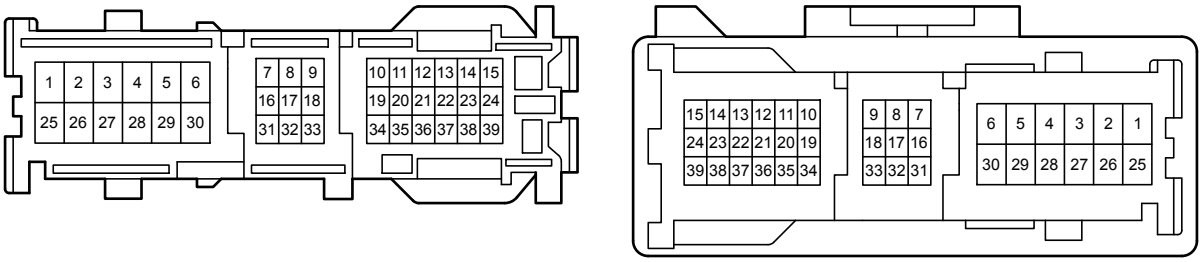
EA3

White

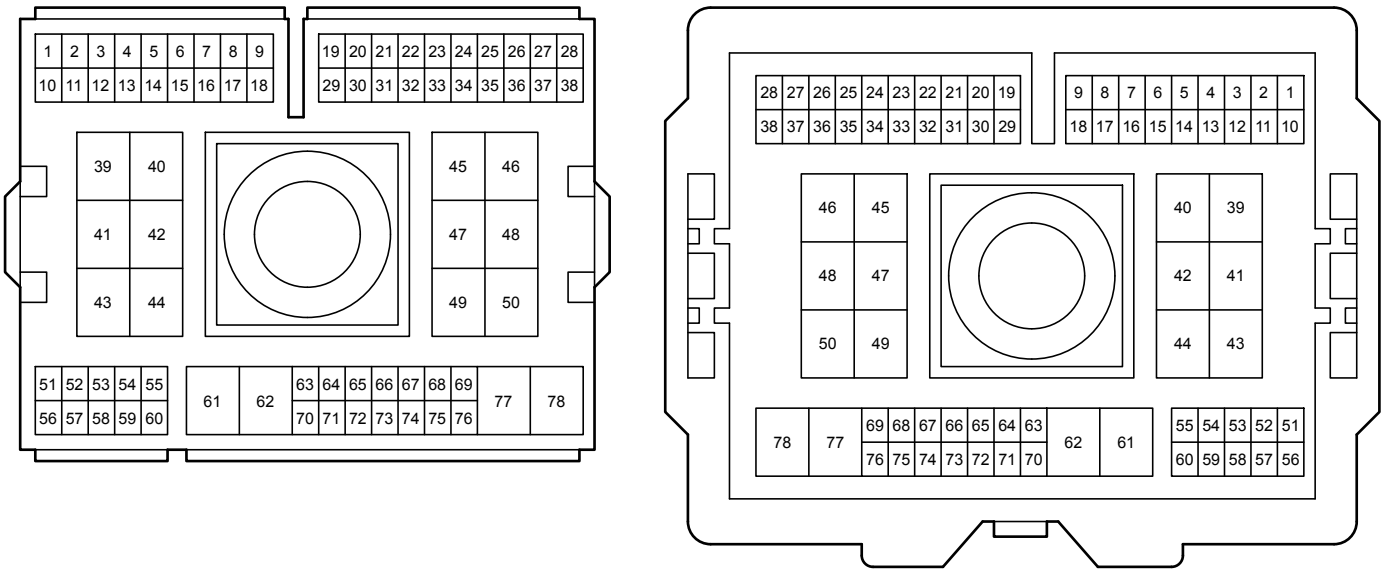




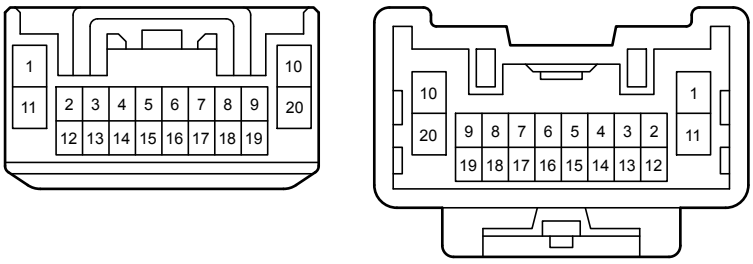
EA4
White



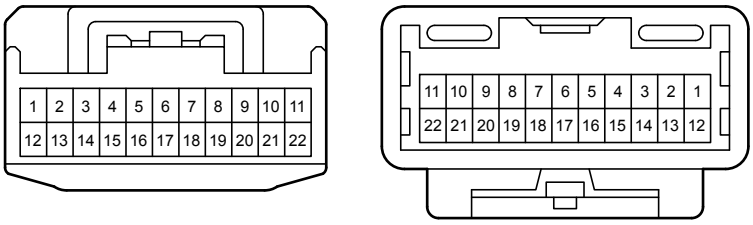
EK2
White



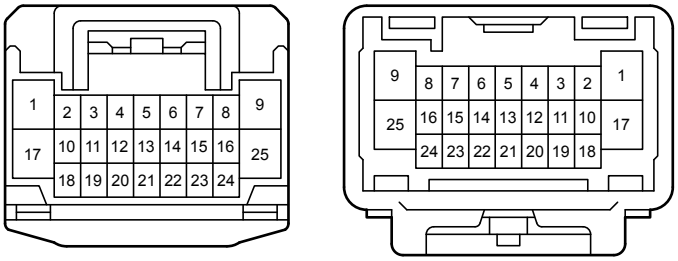
FE4
White



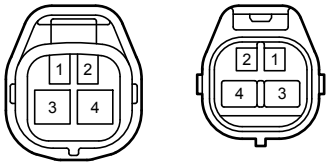
GE1
White



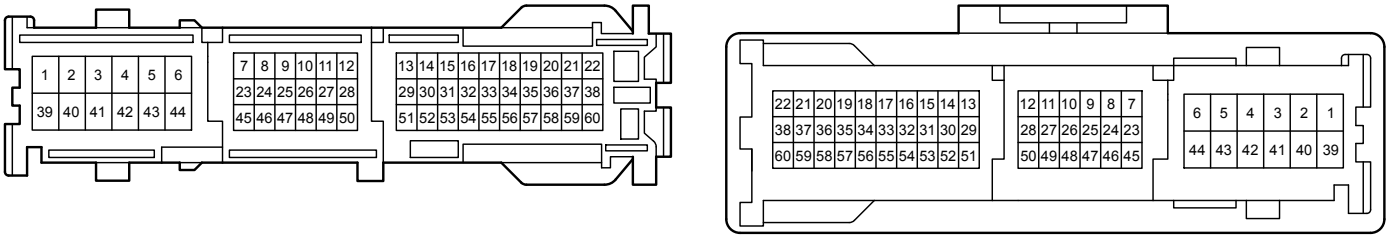
GE2
White



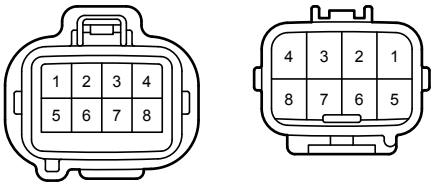
KN1
White



NK1
White



Nf1
White



eA1
White

