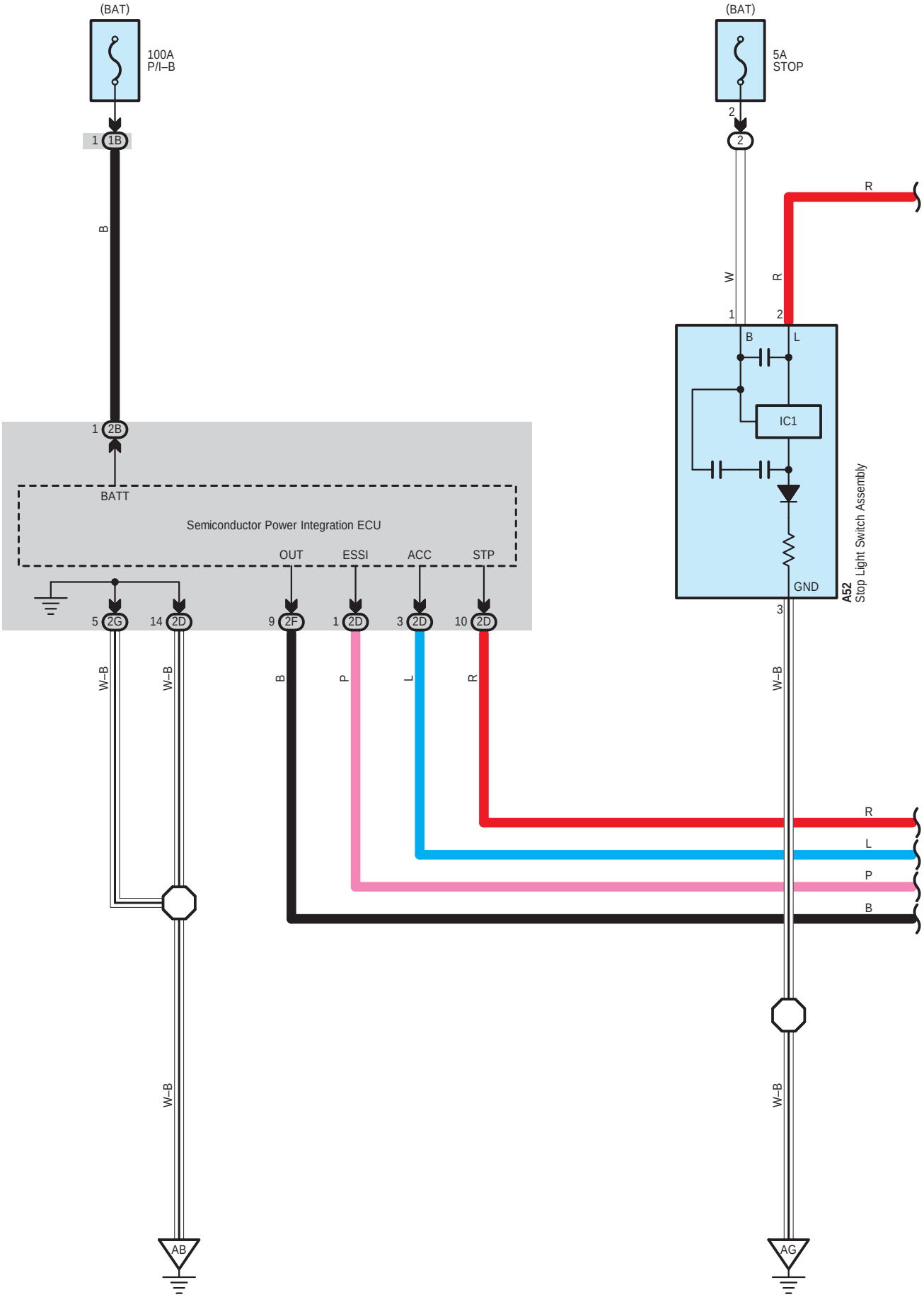
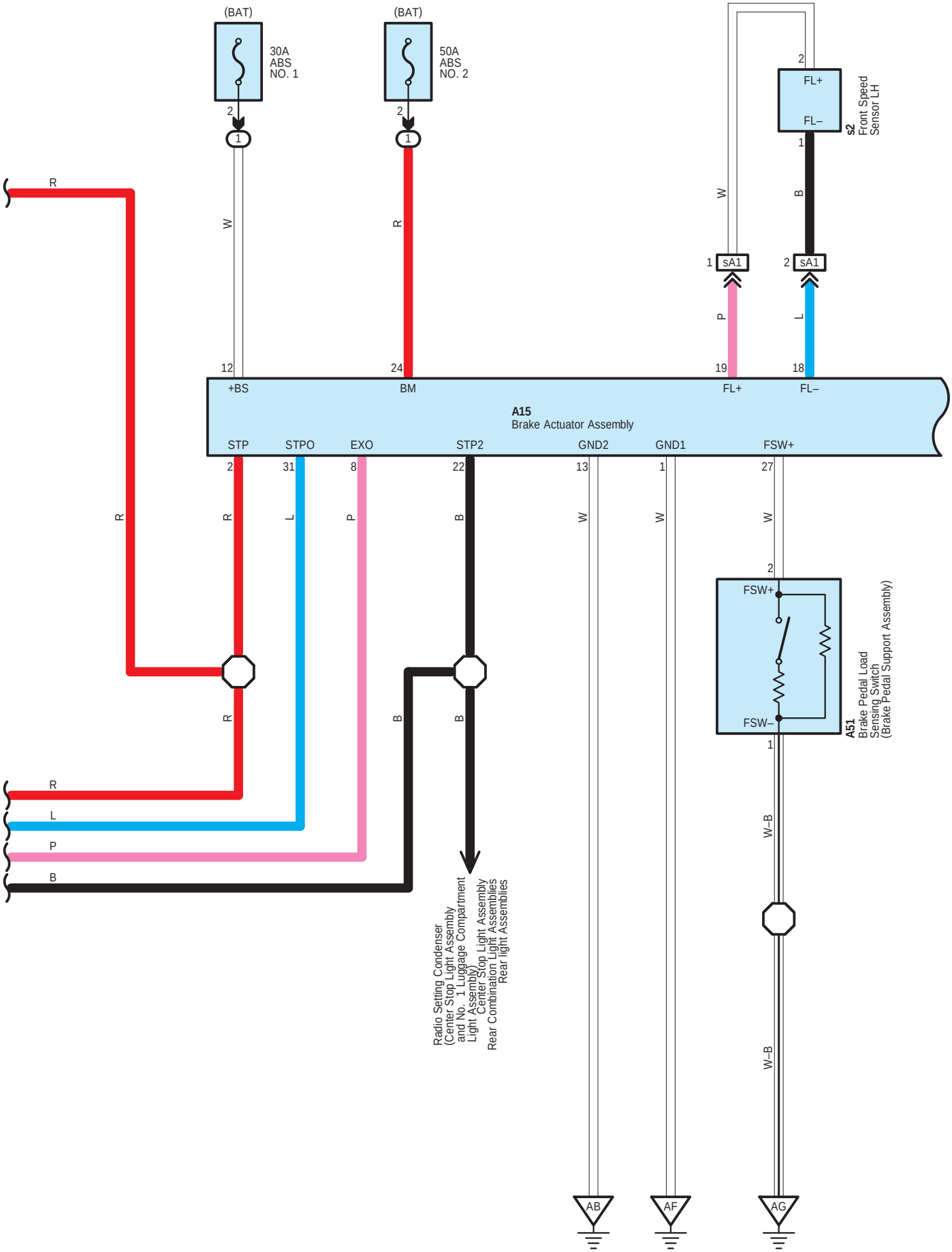
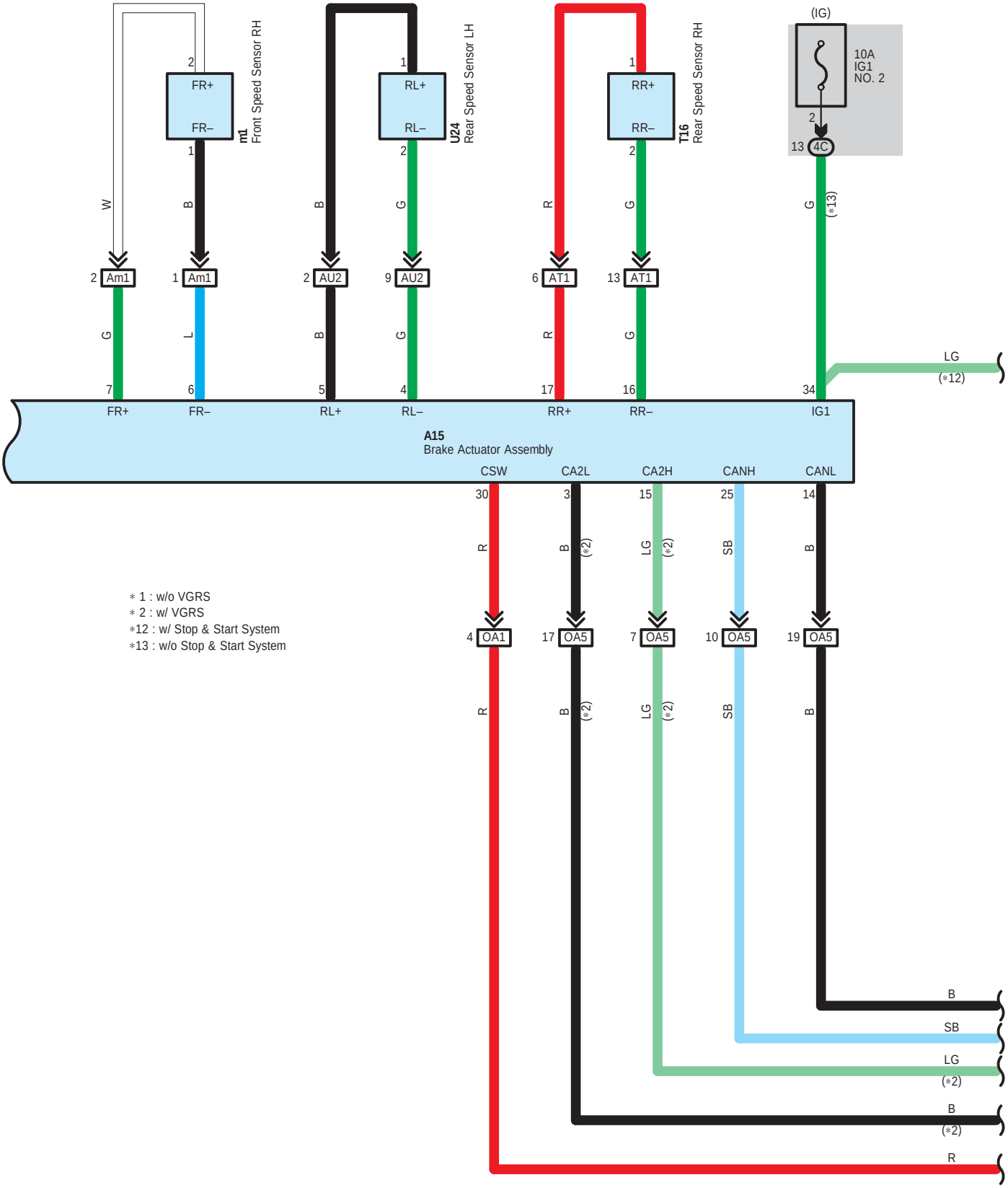
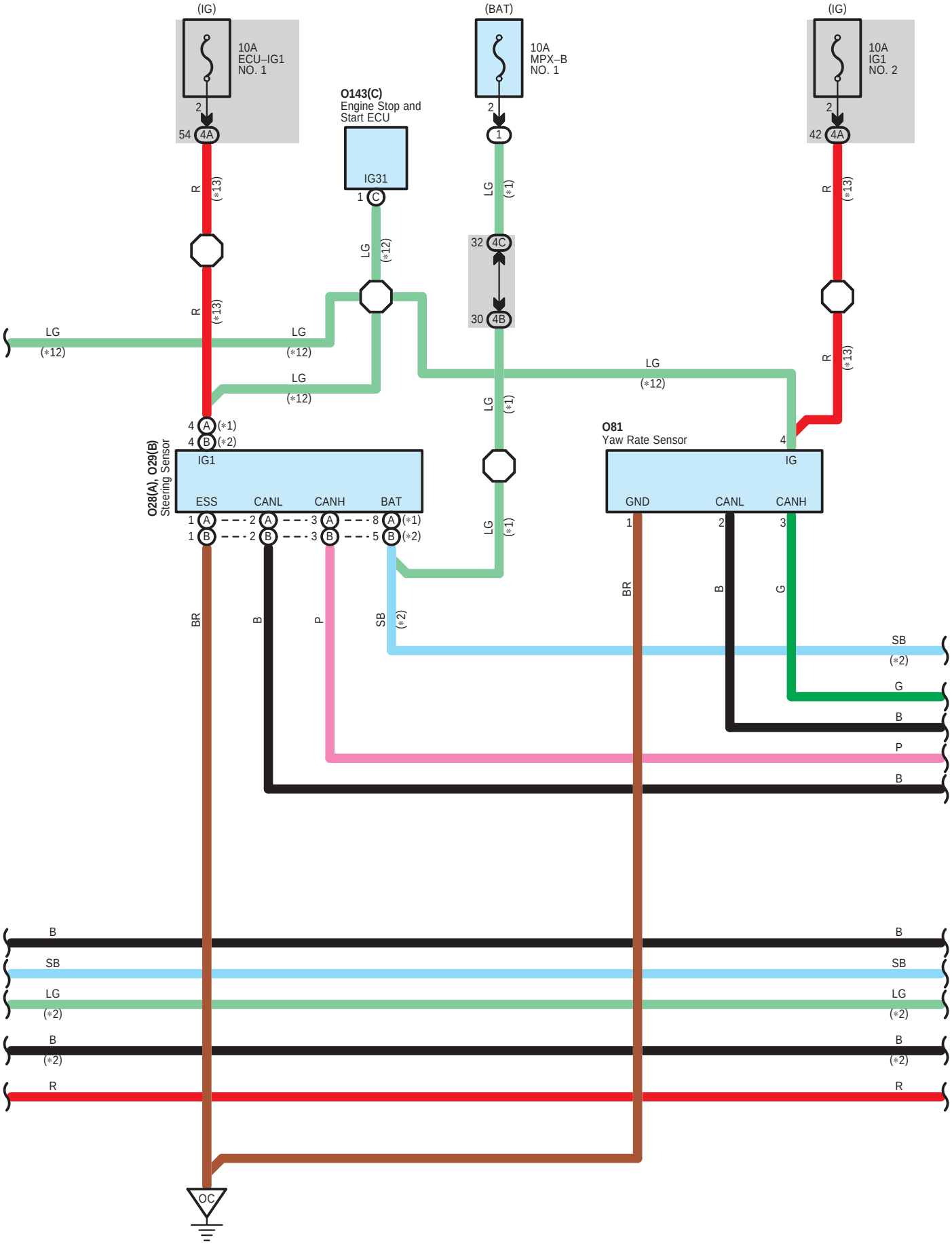
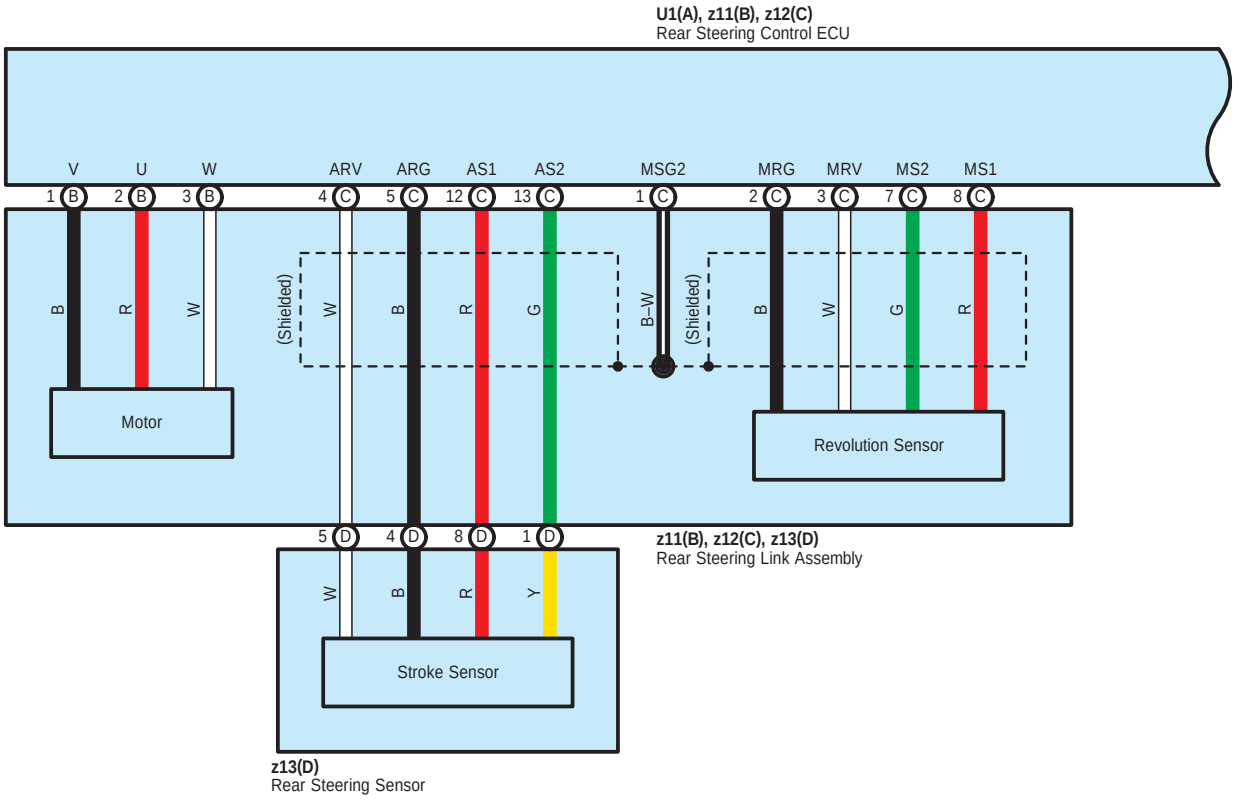

(BAT)
100A
P/I–B
1 1B
B
1 2B
BATT
Semiconductor Power Integration ECU
OUT
ESSI
ACC
STP
5 2G
14 2D
9 2F
1 2D
3 2D
10 2D
W–B
W–B
B
P
L
R
W–B
AB
(BAT)
5A
STOP
2
2
R
W
R
1
2
B
L
IC1
GND
A52
Stop Light Switch Assembly
3
W–B
R
L
P
B
W–B
AG


(BAT)
30A
ABS
NO. 1
(BAT)
50A
ABS
NO. 2
FL+
FL–
S2
Front Speed
Sensor LH
sA1
sA1
A15
Brake Actuator Assembly
+BS
BM
FL+
FL–
STP
STPO
EXO
STP2
GND2
GND1
FSW+
FSW+
FSW–
A51
Brake Pedal Load
Sensing Switch
(Brake Pedal Support Assembly)
Radio Setting Condenser
(Center Stop Light Assembly
and No. 1 Luggage Compartment
Light Assembly)
Center Stop Light Assembly
Rear Combination Light Assemblies
Rear light Assemblies
AB
AF
AG

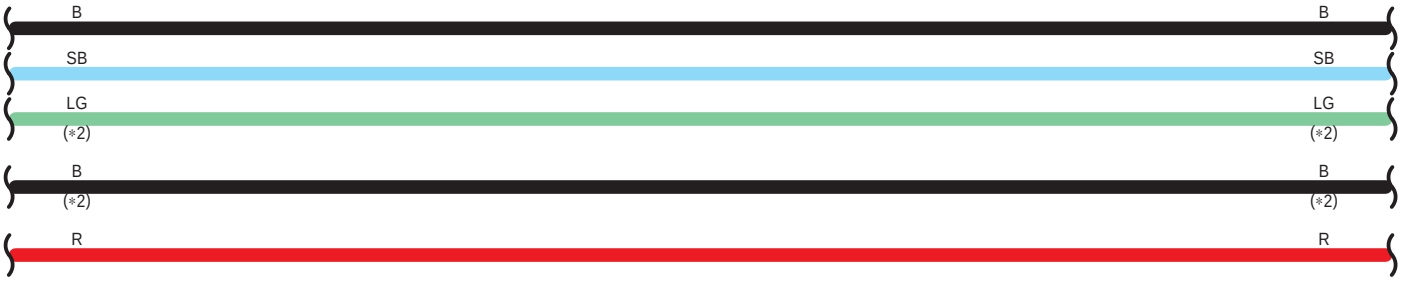

m1
Front Speed Sensor RH
FR+
FR–
U24
Rear Speed Sensor LH
RL+
RL–
T16
Rear Speed Sensor RH
RR+
RR–
(IG)
10A
IG1
NO. 2
4C
Am1
AU2
AT1
FR+
FR–
RL+
RL–
RR+
RR–
IG1
LG
(∗12)
(∗13)
A15
Brake Actuator Assembly
CSW
CA2L
CA2H
CANH
CANL
OA1
OA5
B
SB
LG
(∗2)
R
∗ 1 : w/o VGRS
∗ 2 : w/ VGRS
∗12 : w/ Stop & Start System
∗13 : w/o Stop & Start System

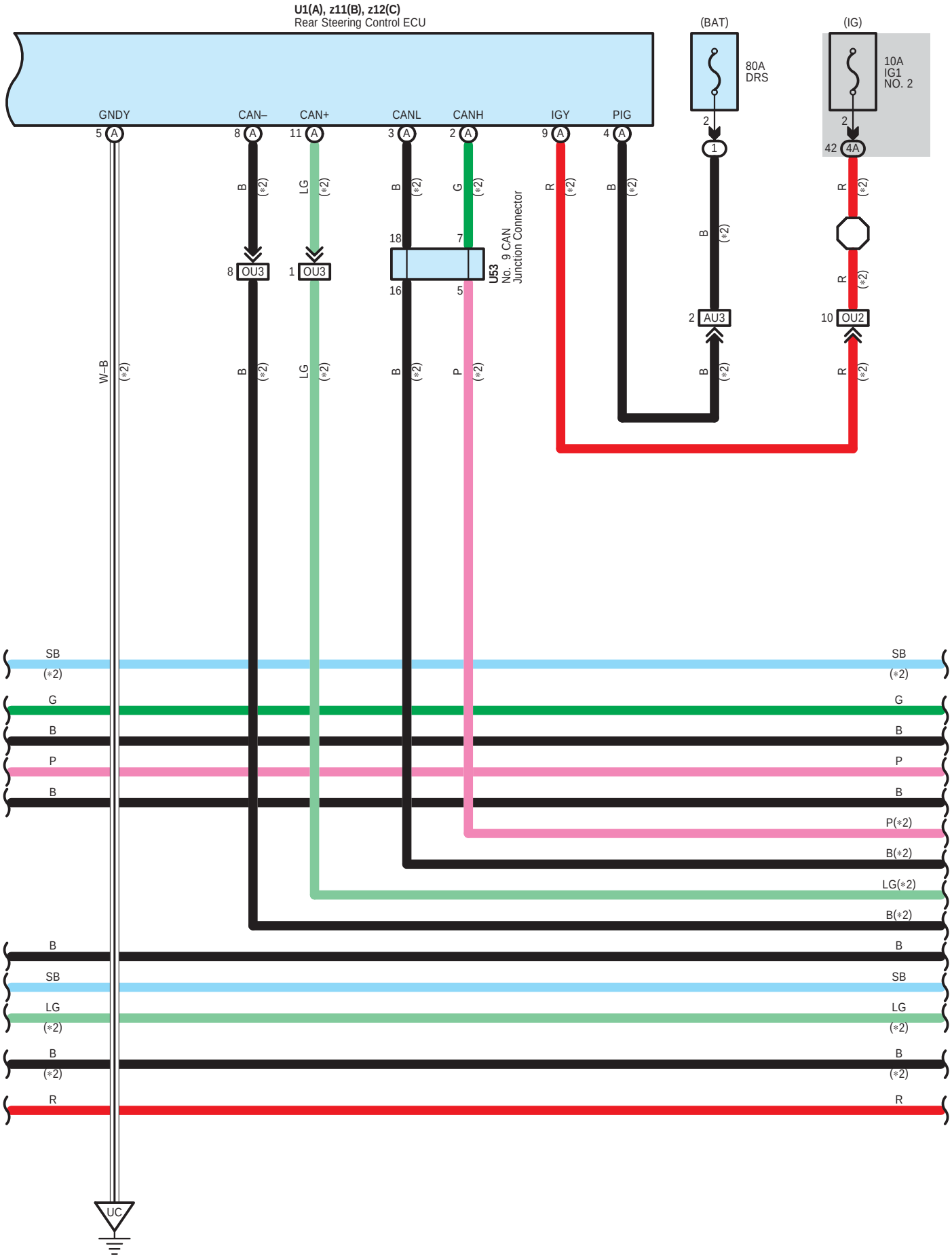

(IG)
10A
ECU–IG1
NO. 1
(BAT)
10A
MPX–B
NO. 1
(IG)
10A
IG1
NO. 2
O143(C)
Engine Stop and
Start ECU
IG31
O28(A), O29(B)
Steering Sensor
IG1
ESS
CANL
CANH
BAT
O81
Yaw Rate Sensor
IG
GND
CANL
CANH
OC

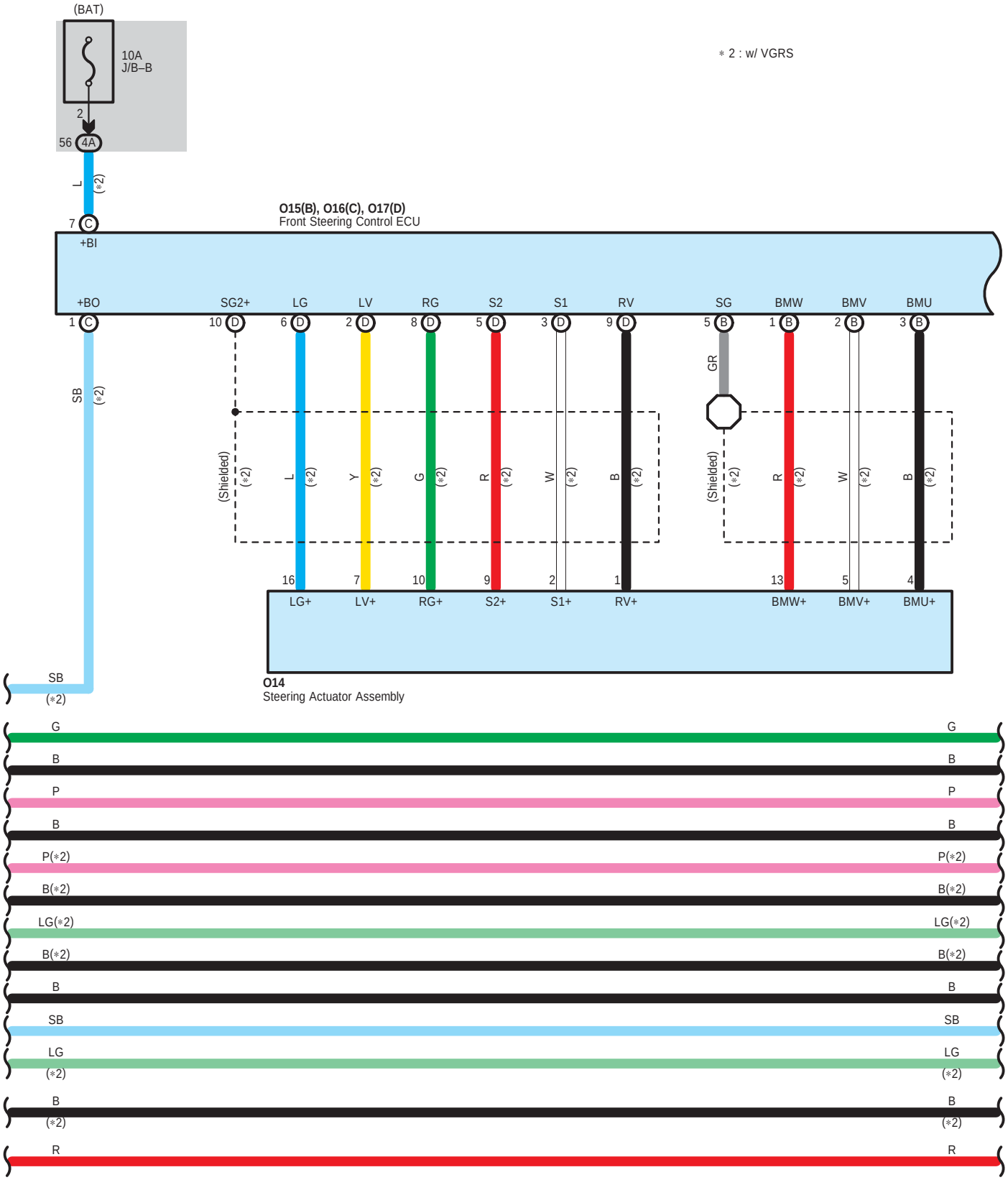

U1(A), z11(B), z12(C)
Rear Steering Control ECU
V
U
W
ARV
ARG
AS1
AS2
MSG2
MRG
MRV
MS2
MS1
1 B
2 B
3 B
4 C
5 C
12 C
13 C
1 C
2 C
3 C
7 C
8 C
B
R
W
(Shielded)
W
B
R
G
B–W
(Shielded)
B
W
G
R
Motor
Revolution Sensor
5 D
4 D
8 D
1 D
W
B
R
Y
Stroke Sensor
z11(B), z12(C), z13(D)
Rear Steering Link Assembly
z13(D)
Rear Steering Sensor

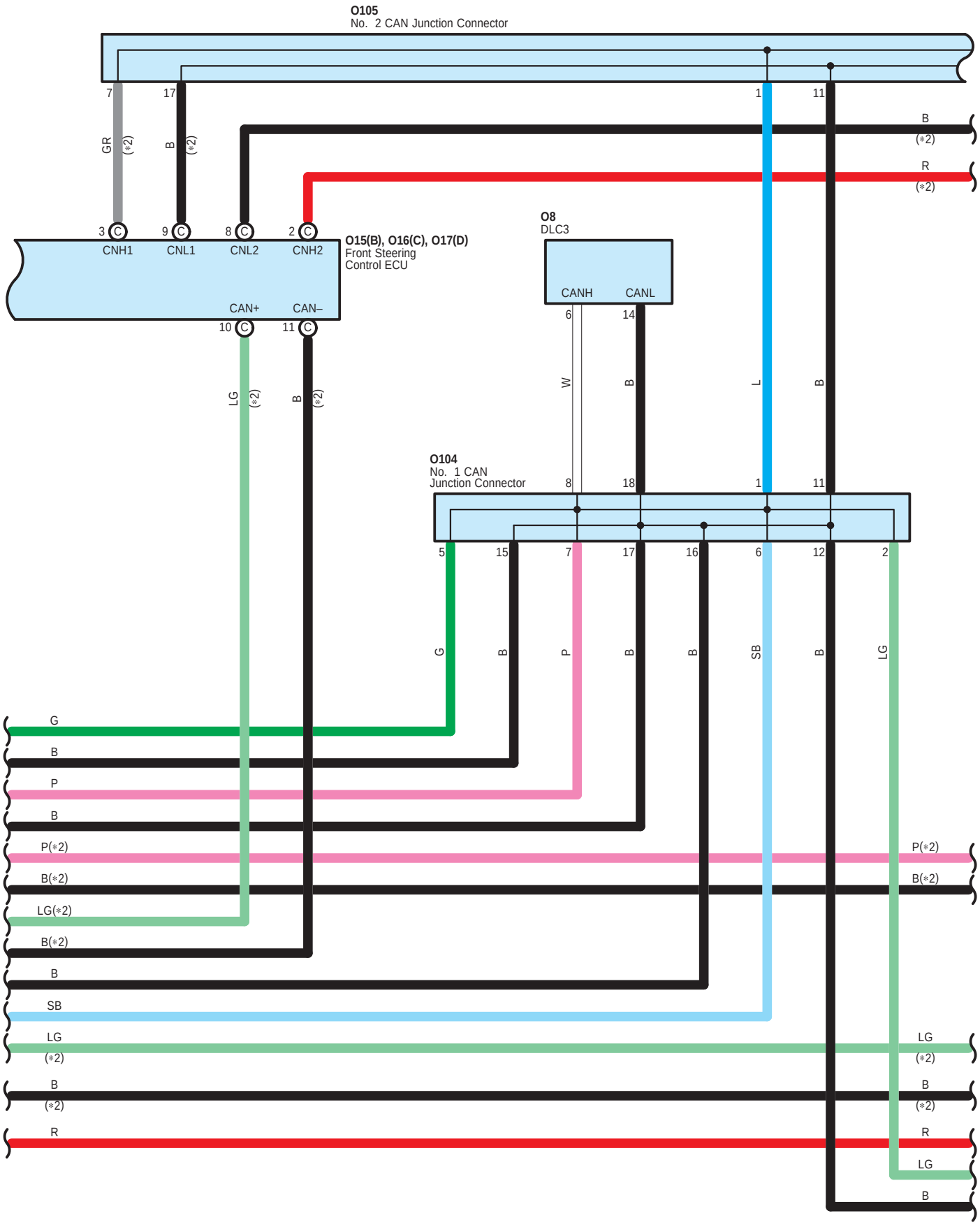
∗ 2 : w/ VGRS

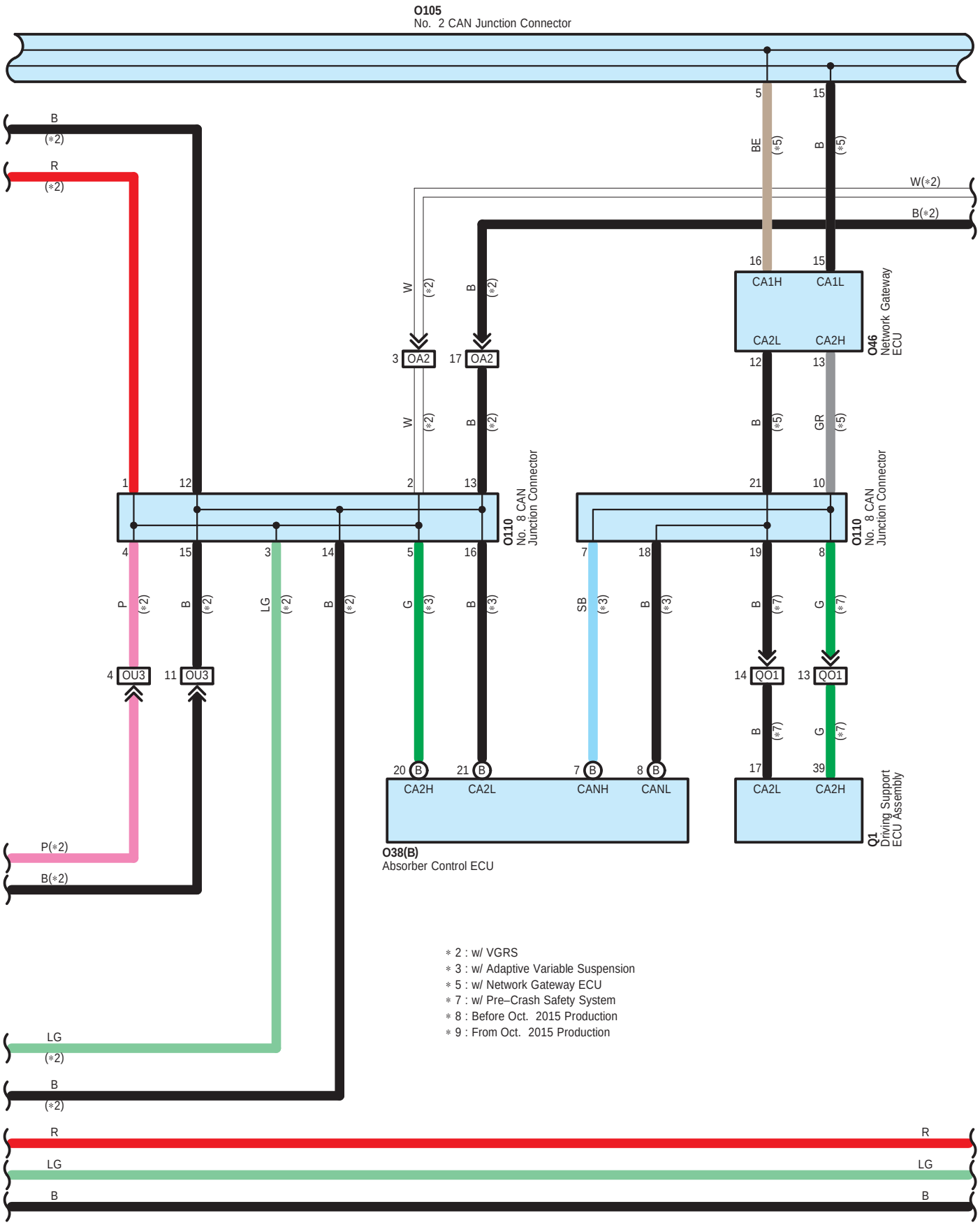
SB
(∗2)
SB
(∗2)
G
G
B
B
P
P
B
B


B
B
SB
SB
LG
(∗2)
LG
(∗2)
B
(∗2)
B
(∗2)
R
R

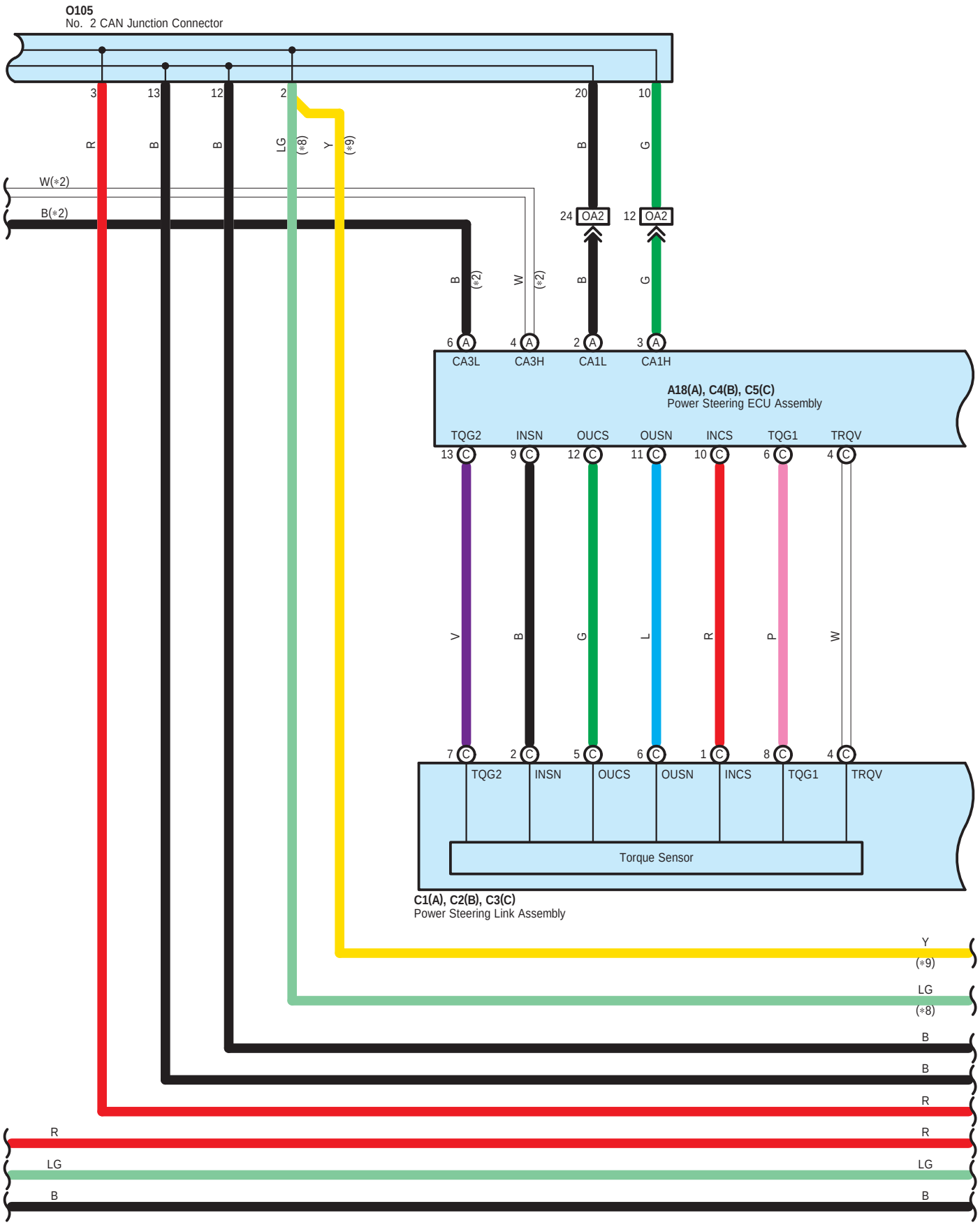

U1(A), z11(B), z12(C)
Rear Steering Control ECU
GNDY
CAN–
CAN+
CANL
CANH
IGY
PIG
(BAT)
(IG)
80A
DRS
10A
IG1
NO. 2
U53
No. 9 CAN
Junction Connector
OU3
AU3
OU2
W–B
UC
SB
G
B
P
LG
R

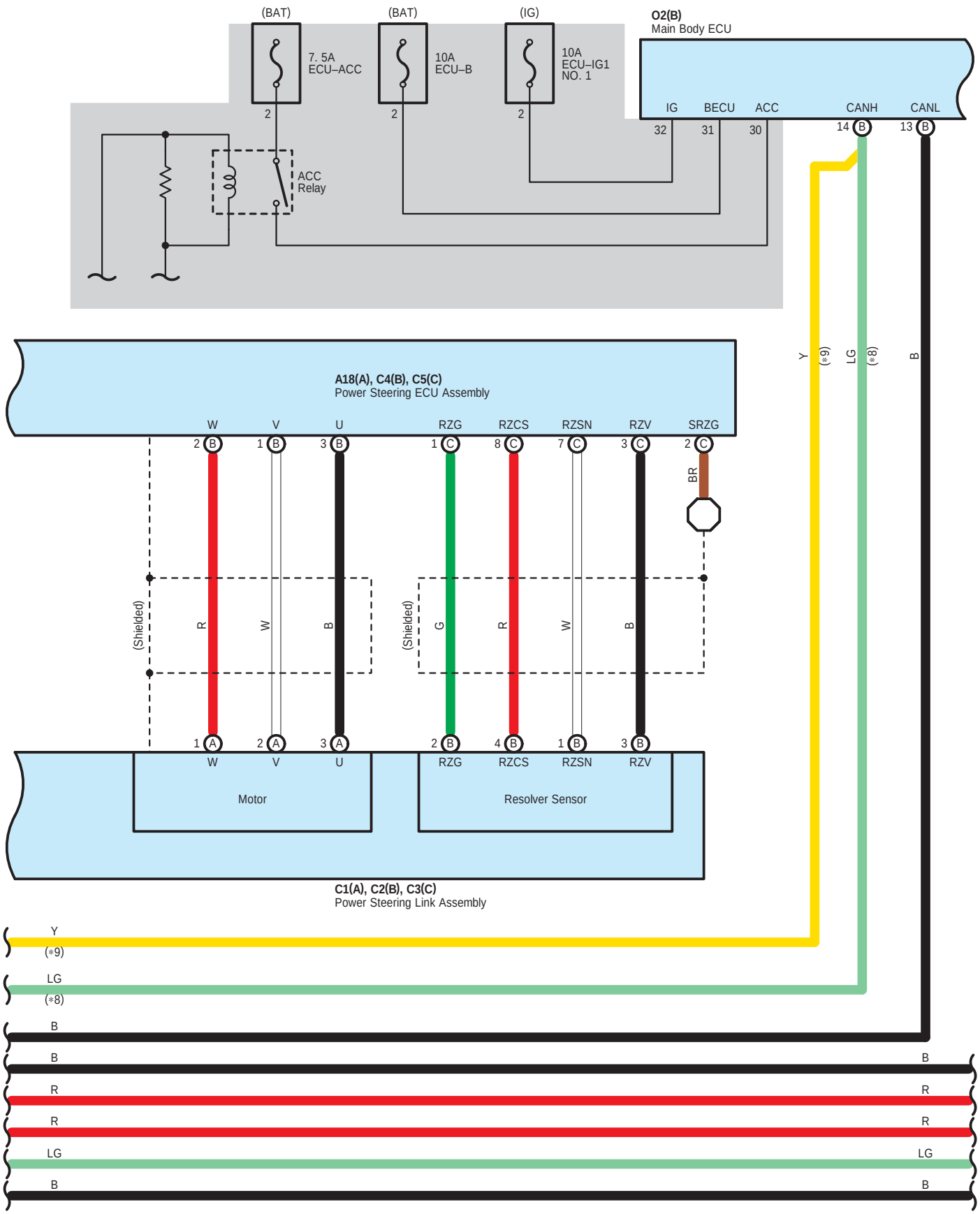

(BAT)
10A
J/B–B
2
56 4A
L (∗2)
7 C
+BI
∗ 2 : w/ VGRS
O15(B), O16(C), O17(D)
Front Steering Control ECU
+BO
SG2+
LG
LV
RG
S2
S1
RV
SG
BMW
BMV
BMU
1 C
10 D
6 D
2 D
8 D
5 D
3 D
9 D
5 B
1 B
2 B
3 B
SB (∗2)
GR
(Shielded) (∗2)
L (∗2)
Y (∗2)
G (∗2)
R (∗2)
W (∗2)
B (∗2)
(Shielded) (∗2)
R (∗2)
W (∗2)
B (∗2)
16
7
10
9
2
1
13
5
4
LG+
LV+
RG+
S2+
S1+
RV+
BMW+
BMV+
BMU+
O14
Steering Actuator Assembly
SB (∗2)
G
B
P
B
P(∗2)
B(∗2)
LG(∗2)
B(∗2)
B
SB
LG (∗2)
B (∗2)
R

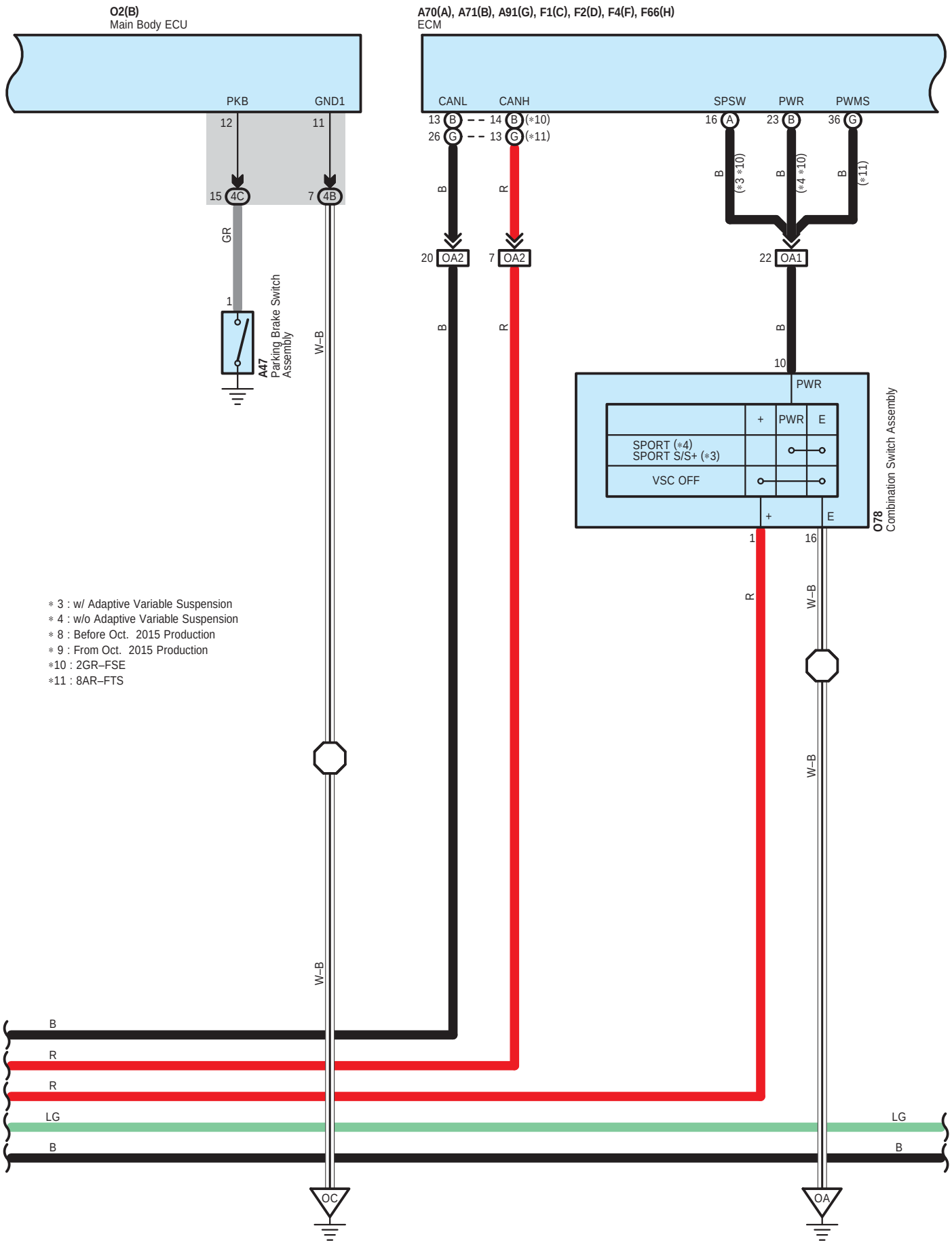

O105
No. 2 CAN Junction Connector
7
17
1
11
GR
(*2)
B
(*2)
B
(*2)
R
(*2)
3
9
8
2
CNH1
CNL1
CNL2
CNH2
O15(B), O16(C), O17(D)
Front Steering
Control ECU
CAN+
CAN–
10
11
O8
DLC3
CANH
CANL
6
14
LG
(*2)
B
(*2)
W
B
L
B
O104
No. 1 CAN
Junction Connector
8
18
1
11
5
15
7
17
16
6
12
2
G
B
P
B
B
SB
B
LG
G
B
P
B
P(*2)
P(*2)
B(*2)
B(*2)
LG(*2)
B(*2)
B
SB
LG
(*2)
LG
(*2)
B
(*2)
B
(*2)
R
R
LG
B



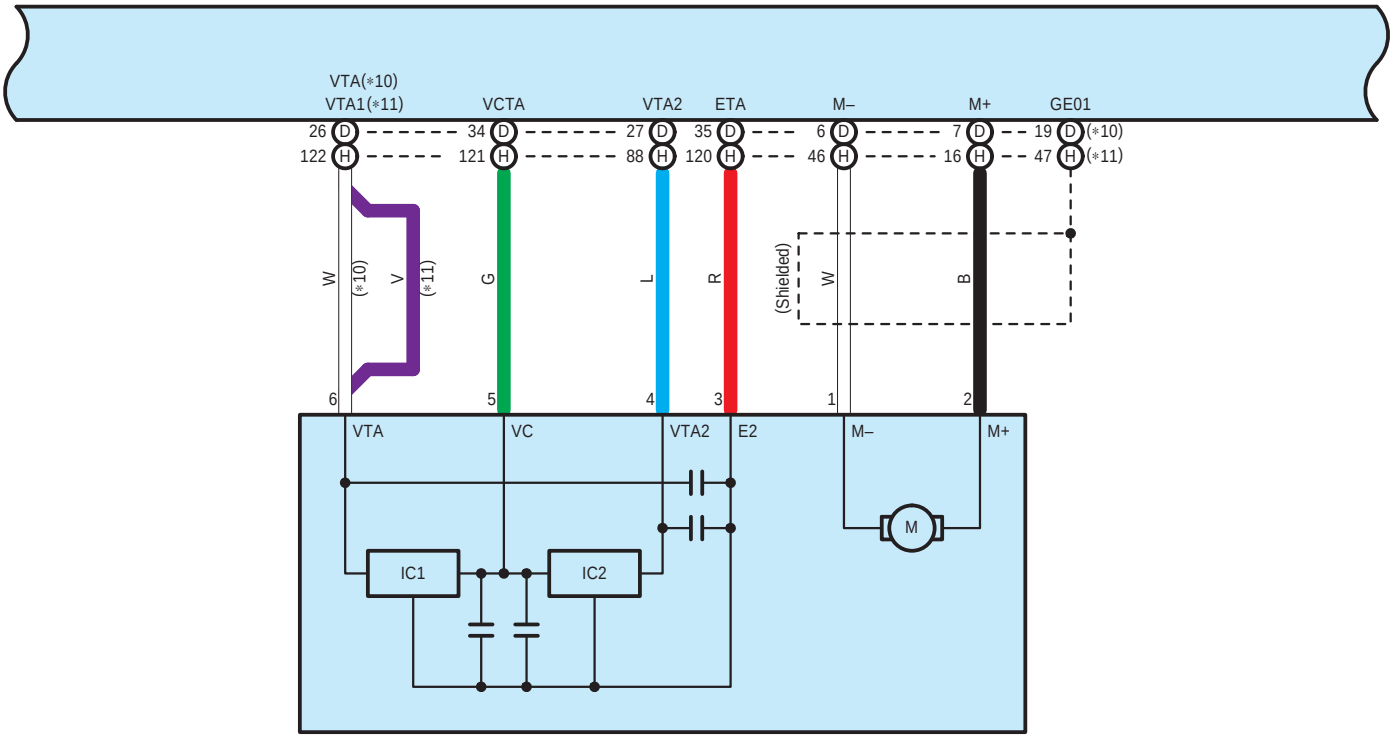
* 2 : w/ VGRS
* 3 : w/ Adaptive Variable Suspension
* 5 : w/ Network Gateway ECU
* 7 : w/ Pre–Crash Safety System
* 8 : Before Oct. 2015 Production
* 9 : From Oct. 2015 Production


O105
No. 2 CAN Junction Connector
3
13
12
2
20
10
R
B
B
LG
(*8)
Y
(*9)
B
G
W(*2)
B(*2)
24
OA2
12
OA2
B
(*2)
W
(*2)
B
G
6 A
4 A
2 A
3 A
CA3L
CA3H
CA1L
CA1H
A18(A), C4(B), C5(C)
Power Steering ECU Assembly
TQG2
INSN
OUCS
OUSN
INCS
TQG1
TRQV
13 C
9 C
12 C
11 C
10 C
6 C
4 C
V
B
G
L
R
P
W
7 C
2 C
5 C
6 C
1 C
8 C
4 C
TQG2
INSN
OUCS
OUSN
INCS
TQG1
TRQV
Torque Sensor
C1(A), C2(B), C3(C)
Power Steering Link Assembly
Y
(*9)
LG
(*8)
B
B
R
R
R
LG
LG
B
B

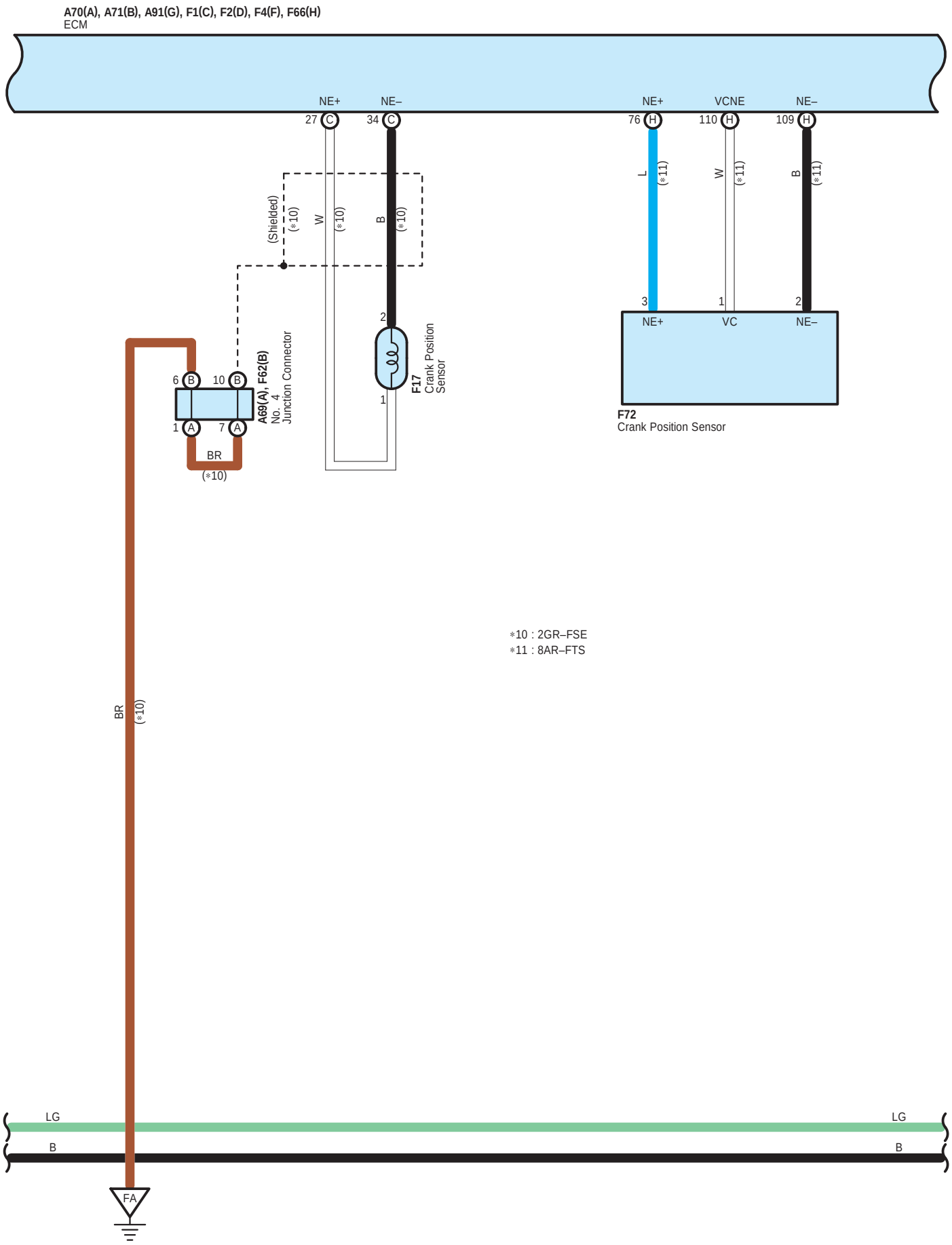

(BAT)
(BAT)
(IG)
7. 5A
ECU–ACC
10A
ECU–B
10A
ECU–IG1
NO. 1
O2(B)
Main Body ECU
IG
BECU
ACC
CANH
CANL
32
31
30
14
13
ACC
Relay
A18(A), C4(B), C5(C)
Power Steering ECU Assembly
W
V
U
RZG
RZCS
RZSN
RZV
SRZG
BR
(Shielded)
R
W
B
G
Motor
Resolver Sensor
C1(A), C2(B), C3(C)
Power Steering Link Assembly
Y
(*9)
LG
(*8)
B
R
LG

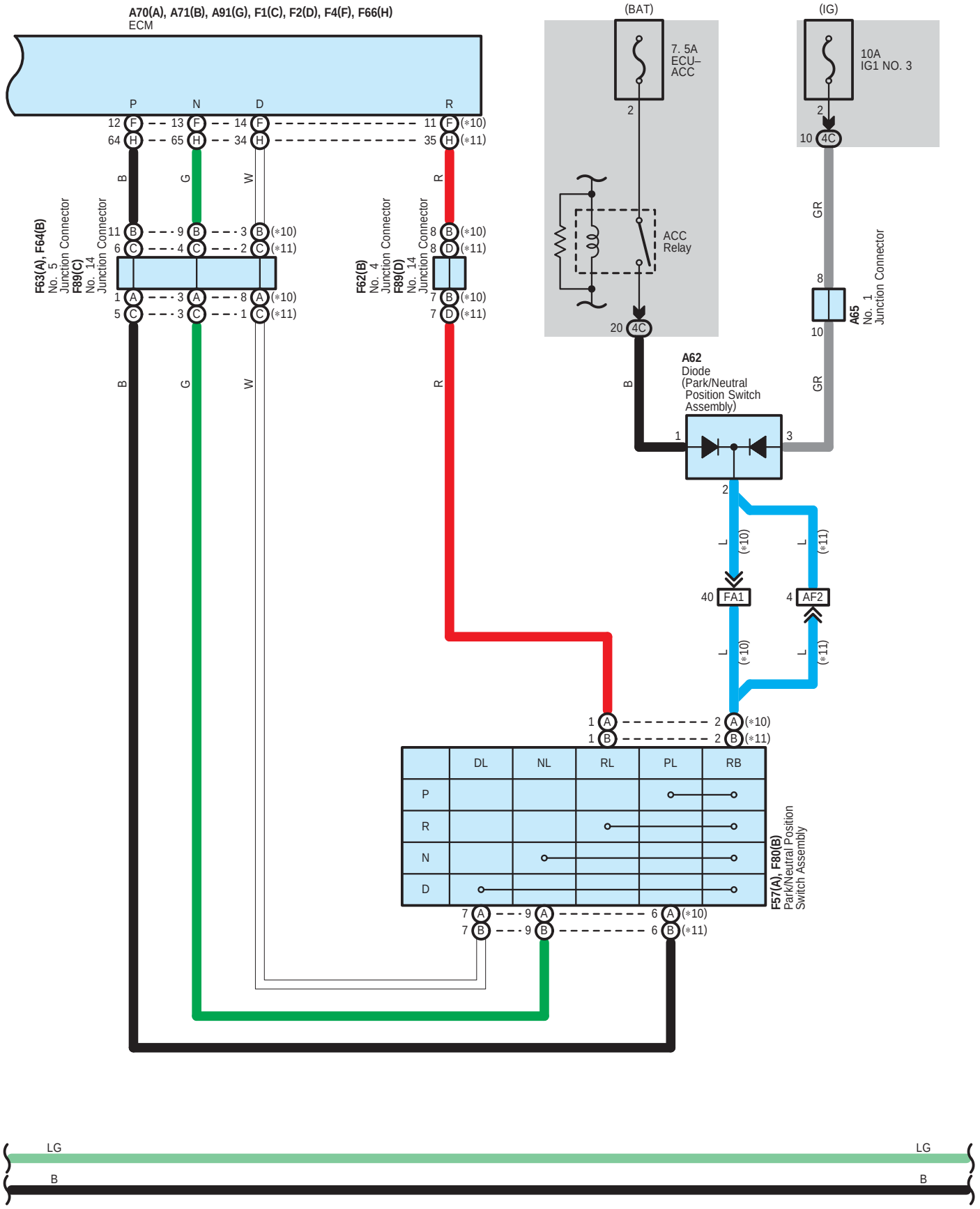

O2(B)
Main Body ECU
PKB
GND1
12
11
15 4C
7 4B
GR
1
A47
Parking Brake Switch
Assembly
W–B
A70(A), A71(B), A91(G), F1(C), F2(D), F4(F), F66(H)
ECM
CANL
CANH
SPSW
PWR
PWMS
13 B
26 G
14 B (*10)
13 G (*11)
16 A
23 B
36 G
B
R
(*3 *10)
(*4 *10)
(*11)
20 OA2
7 OA2
22 OA1
10
PWR
+
PWR
E
SPORT (*4)
SPORT S/S+ (*3)
VSC OFF
O78
Combination Switch Assembly
1
16
* 3 : w/ Adaptive Variable Suspension
* 4 : w/o Adaptive Variable Suspension
* 8 : Before Oct. 2015 Production
* 9 : From Oct. 2015 Production
*10 : 2GR–FSE
*11 : 8AR–FTS
LG
OC
OA

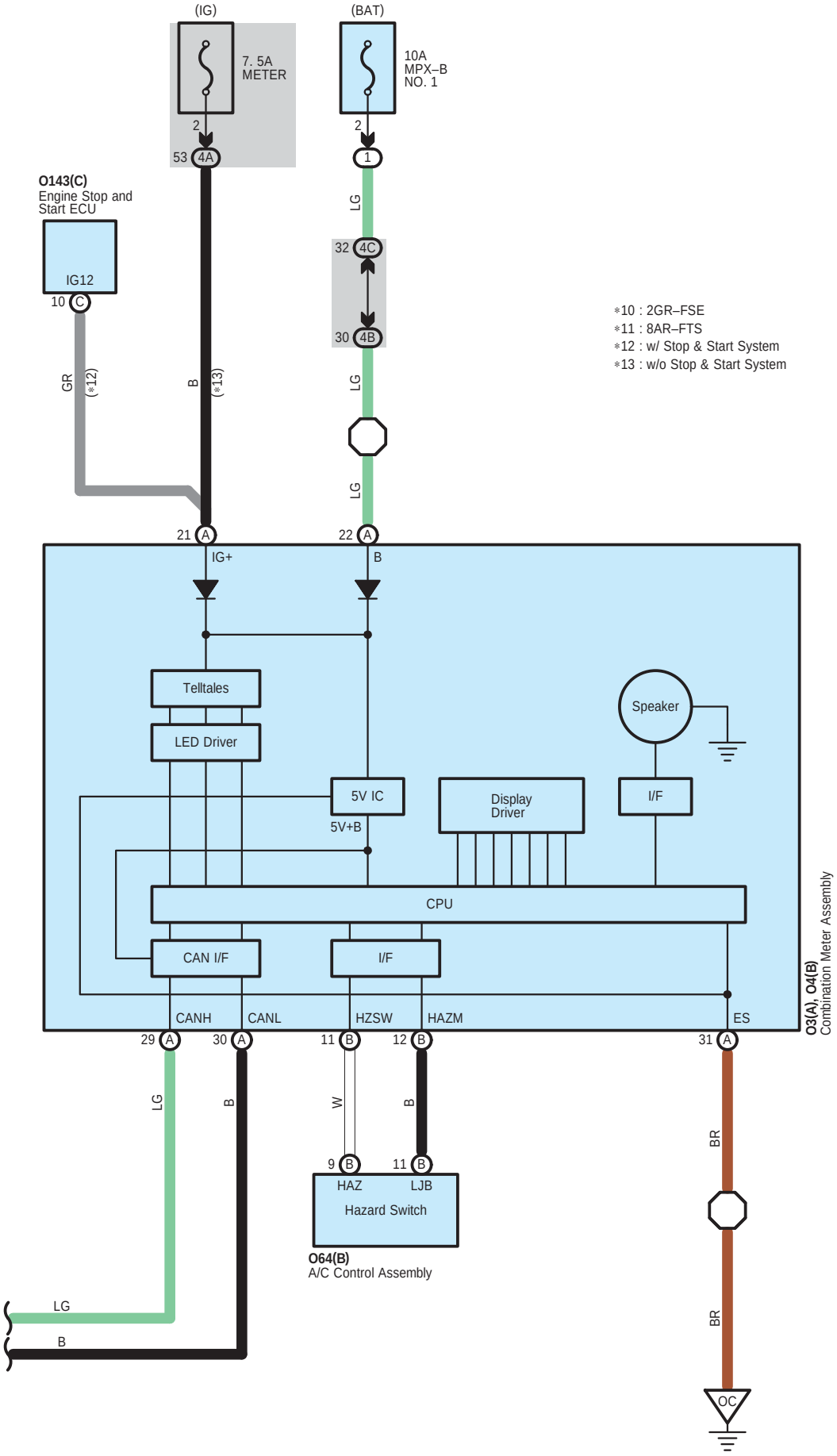
A70(A), A71(B), A91(G), F1(C), F2(D), F4(F), F66(H)
ECM



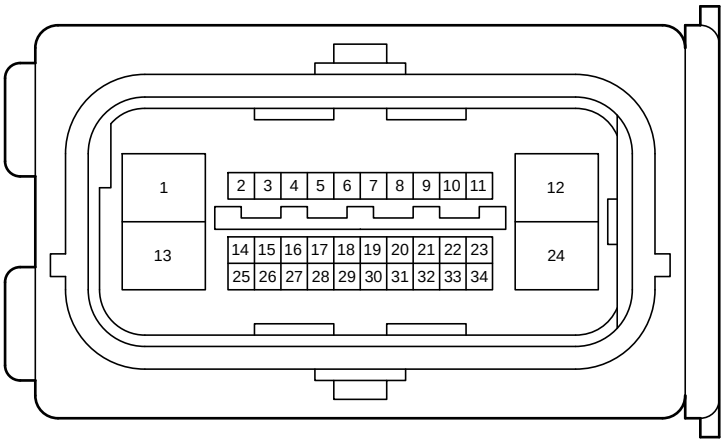
F21
Throttle Body with Motor Assembly


A70(A), A71(B), A91(G), F1(C), F2(D), F4(F), F66(H)
ECM
NE+
NE–
27 C
34 C
NE+
VCNE
NE–
76 H
110 H
109 H
L
(*11)
W
(*11)
B
(*11)
(Shielded)
(*10)
W
(*10)
B
(*10)
3
1
2
NE+
VC
NE–
F72
Crank Position Sensor
2
1
F17
Crank Position Sensor
6 B
10 B
1 A
7 A
A69(A), F62(B)
No. 4
Junction Connector
BR
(*10)
*10 : 2GR–FSE
*11 : 8AR–FTS
BR
(*10)
LG
B
LG
B
FA


A70(A), A71(B), A91(G), F1(C), F2(D), F4(F), F66(H)
ECM
P
N
D
R
12 F
13 F
14 F
11 F (*10)
64 H
65 H
34 H
35 H (*11)
B
G
W
R
F63(A), F64(B)
No. 5
Junction Connector
F89(C)
No. 14
Junction Connector
11 B
9 B
3 B (*10)
6 C
4 C
2 C (*11)
1 A
3 A
8 A (*10)
5 C
3 C
1 C (*11)
F62(B)
No. 4
Junction Connector
F89(D)
No. 14
Junction Connector
8 B (*10)
8 D (*11)
7 B (*10)
7 D (*11)
(BAT)
7. 5A
ECU–
ACC
2
ACC
Relay
20 4C
(IG)
10A
IG1 NO. 3
2
10 4C
GR
8
10
A65
No. 1
Junction Connector
A62
Diode
(Park/Neutral
Position Switch
Assembly)
1
3
2
L
(*10)
L
(*11)
40 FA1
4 AF2
1 A
2 A (*10)
1 B
2 B (*11)
DL
NL
RL
PL
RB
P
R
N
D
7 A
9 A
6 A (*10)
7 B
9 B
6 B (*11)
F57(A), F80(B)
Park/Neutral Position
Switch Assembly
LG
B

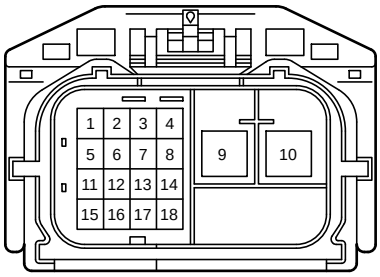

(IG)
7. 5A
METER
(BAT)
10A
MPX–B
NO. 1
2
53 4A
2
1
O143(C)
Engine Stop and
Start ECU
IG12
10 C
LG
32 4C
30 4B
GR
(*12)
B
(*13)
LG
LG
*10 : 2GR–FSE
*11 : 8AR–FTS
*12 : w/ Stop & Start System
*13 : w/o Stop & Start System
21 A
22 A
IG+
B
Telltales
LED Driver
Speaker
5V IC
5V+B
Display
Driver
I/F
CPU
CAN I/F
I/F
CANH
CANL
HZSW
HAZM
ES
O3(A), O4(B)
Combination Meter Assembly
29 A
30 A
11 B
12 B
31 A
LG
B
W
B
BR
9 B
11 B
HAZ
LJB
Hazard Switch
O64(B)
A/C Control Assembly
LG
B
BR
OC

A15
Black



90980-12686

A18
Black

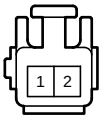


90980-12573

A47
Black

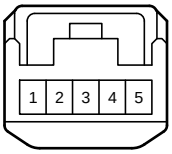
90980-10871

A51
Blue



90980-10825

A52
White

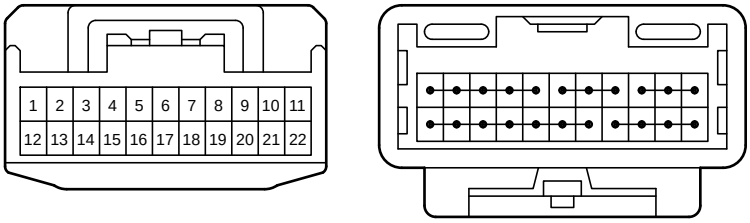


90980-12366

A62
Gray

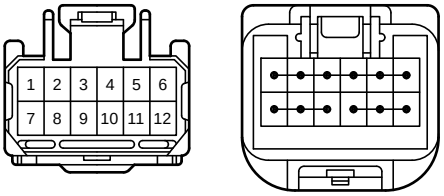
90980-11071

A65
White



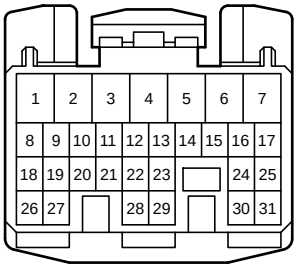
90980-12372

A69
Gray



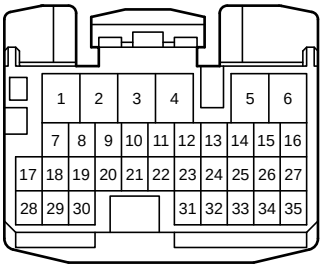
90980-11661

A70
White



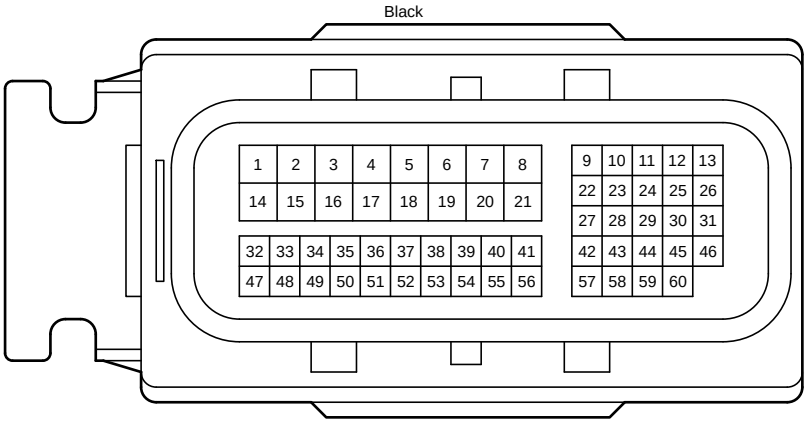
90980-12525

A71
White



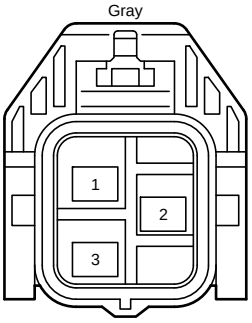
90980-12529

A91
Black



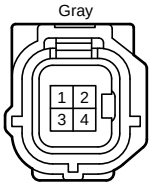
90980-12931

C1
Gray



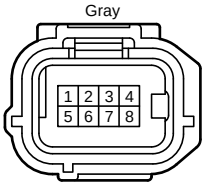
90980-12648

C2
Gray



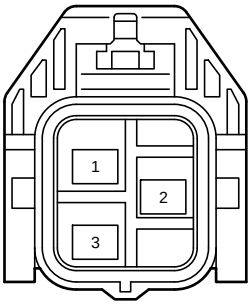
90980-12495

C3
Gray



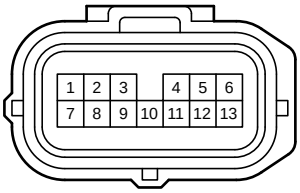
90980-12520

C4
Black



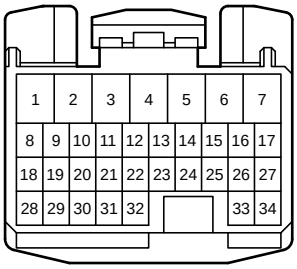
90980-12648

C5
Black



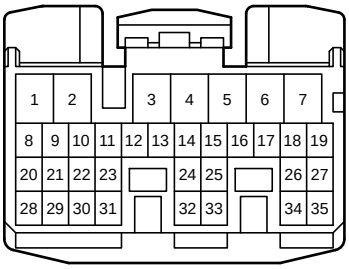
90980-12326

F1
White



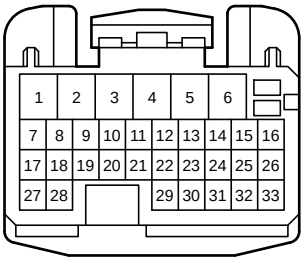
90980-12527

F2
White



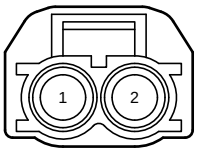
90980-12528

F4
White



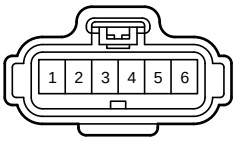
90980-12700

F17
Black



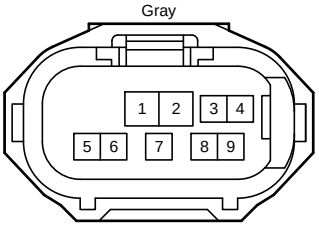
90980-12611

F21
Black



90980-11858

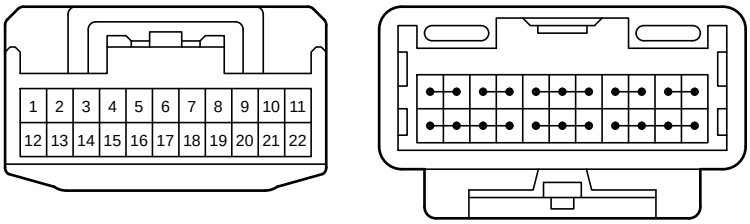
F57
Gray



90980-12A23

F62

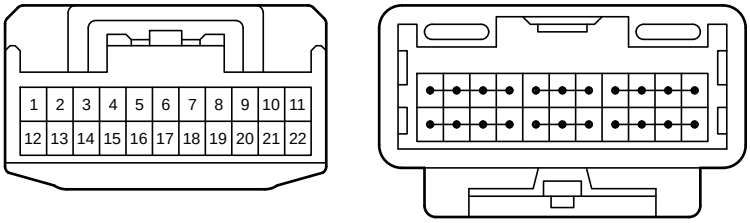
Gray



90980-11661

F63

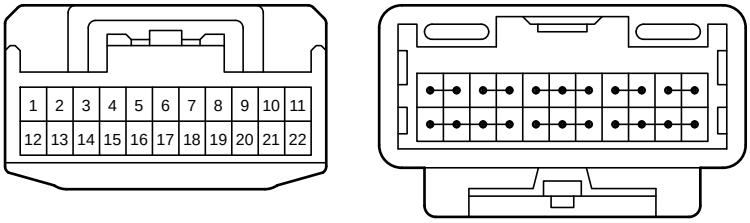
Blue



90980-12372
(From Aug. 2016 Production)

F63

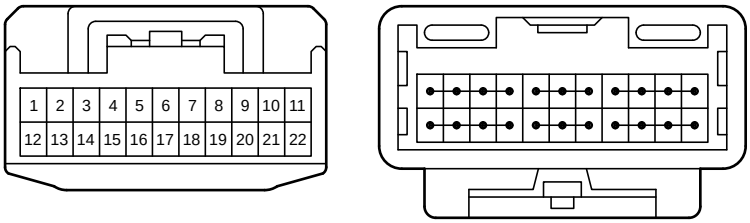
Black



90980-12372
(Before Aug. 2016 Production)

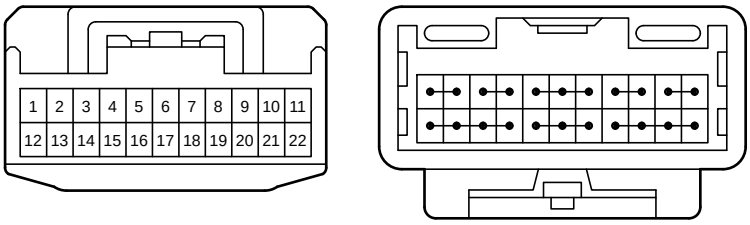
F63

Blue



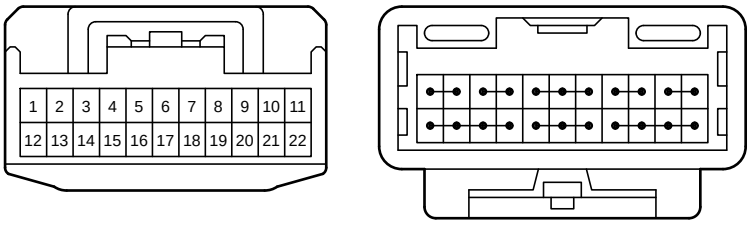
90980-12372
(From Aug. 2016 Production)

F63
Black



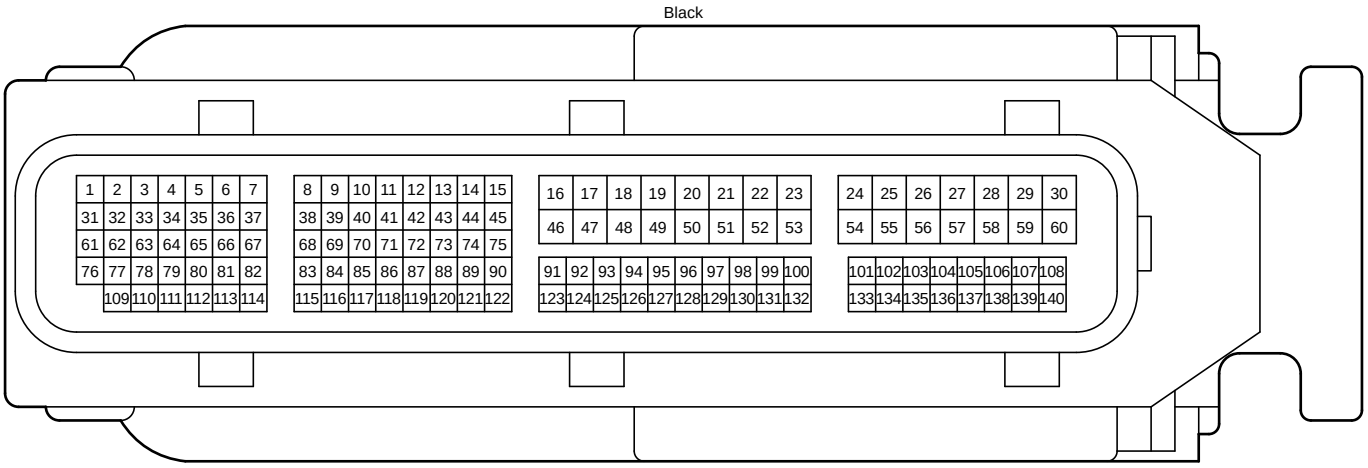
90980-12372
(Before Aug. 2016 Production)

F64
Black



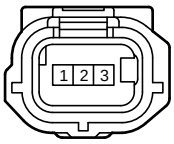
90980-12372

F66
Black



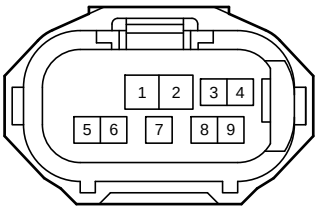
90980-12836

F72
Black



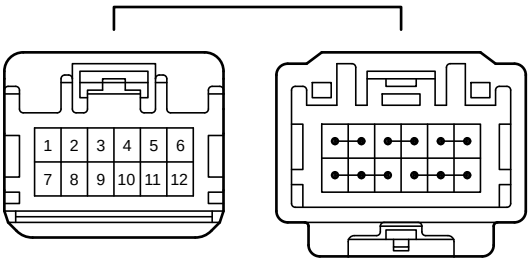
90980-12353

F80
Black



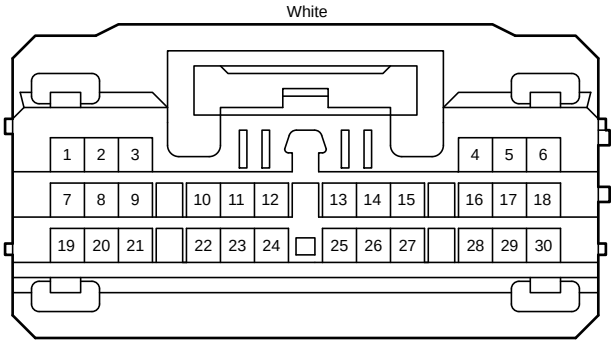
90980-12A23

F89
Black



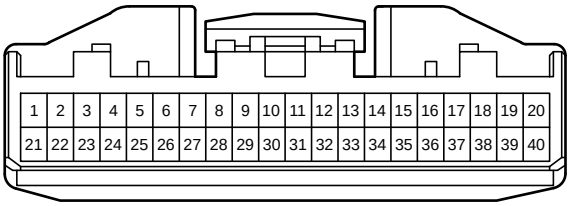
90980-12737

O2
White



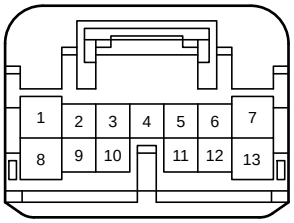
90980-12909

O3
Black



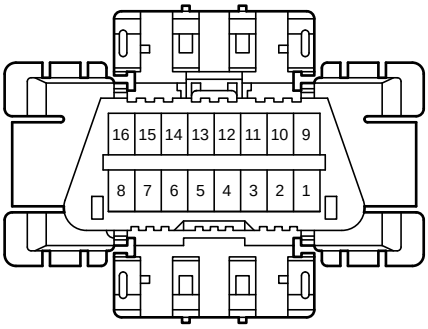
90980-12557

O4
Black



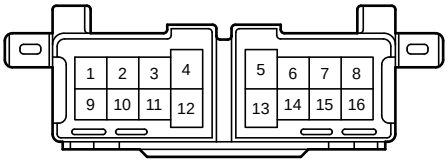
90980-12767

O8
White



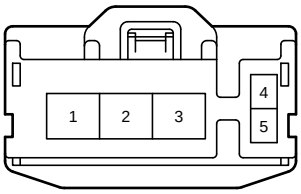
90980-11665

O14
White



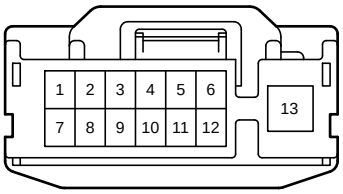
90980-11547

O15
White



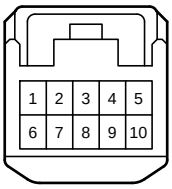
82824-30570

O16
White



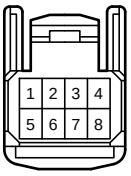
82824-30580

O17
White



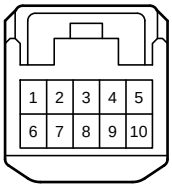
90980-12368

O28
Black



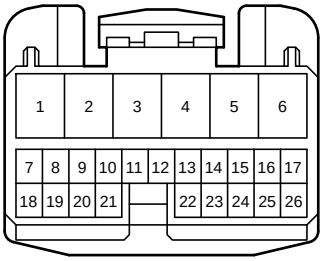
90980-12551

O29
White



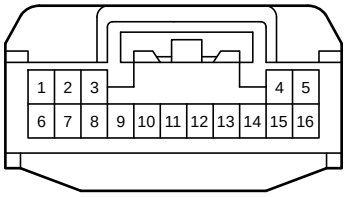
90980-12368

O38
Black



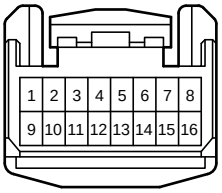
82824-50310

O46
White



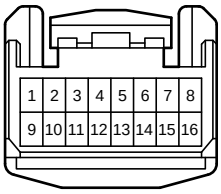
90980-12423

O64
Black



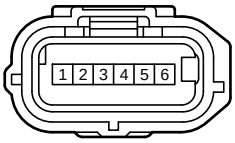
90980-12553

O78
Black



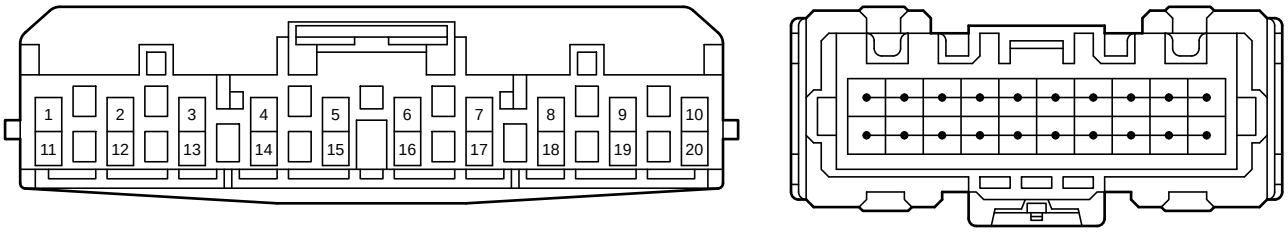
90980-12553

O81
Black



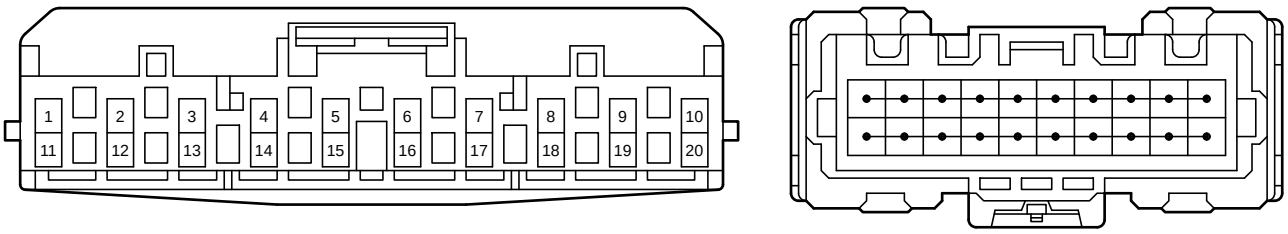
90980-12303

O104
White



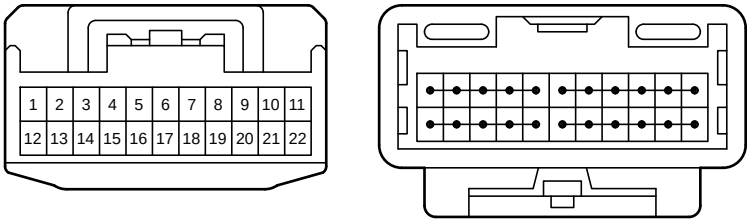
90980-12A58

O105
White



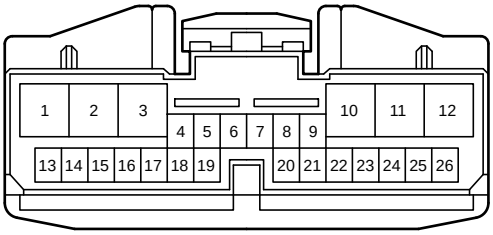
90980-12A58

O110
Black



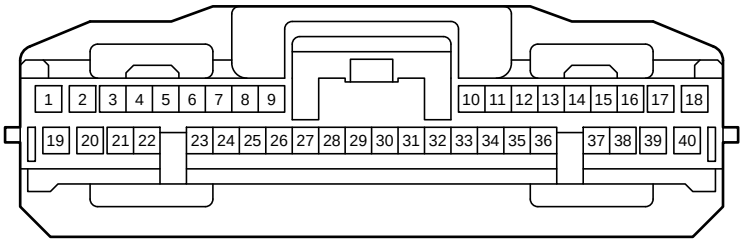
90980-12372

O143
Black



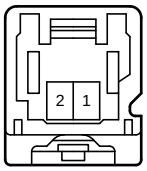
82824-12510

Q1
White



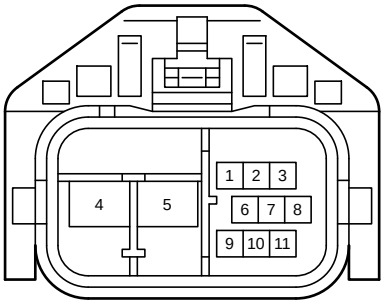
90980-12708

T16
White



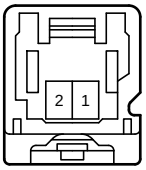
90980-12936

U1
Black



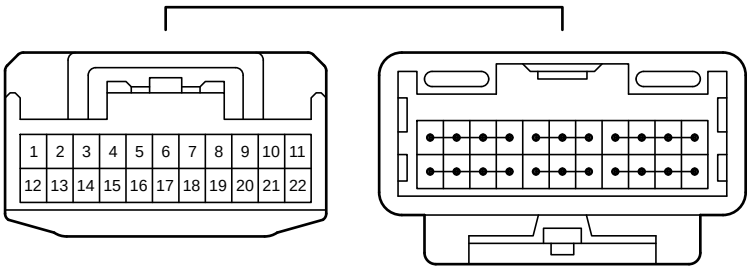
90980-12483

U24
White



90980-12936

U53
White



90980-12372

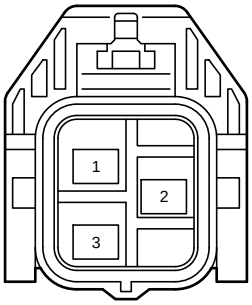
m1
Black

90980-11900

s2
Black

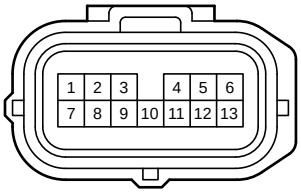
90980-11900

z11
Black



90980-12648

z12
Black

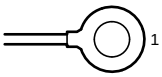


90980-12326

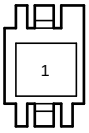
z13
White

90980-12519

1B
White

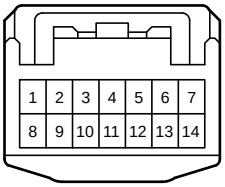


2B
Black



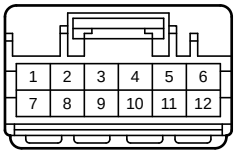
82660-30D50

2D
White



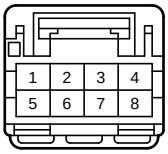
90980-12370

2F
White



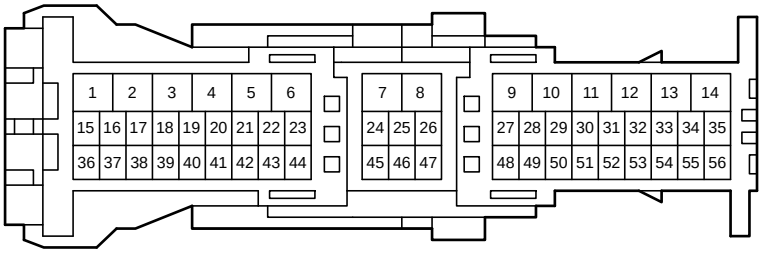
90980-12A56

2G
White



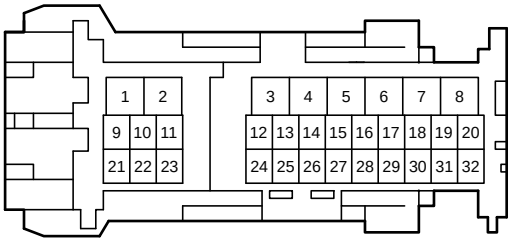
90980-12A54

4A
White



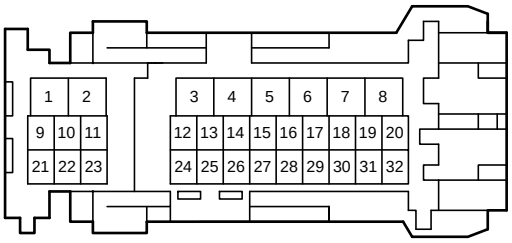
90980-12943

4B
White



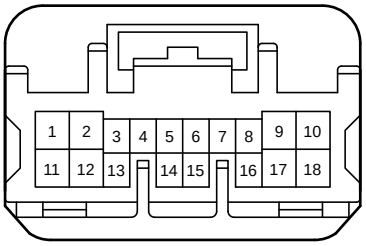
90980-12A48

4C
White

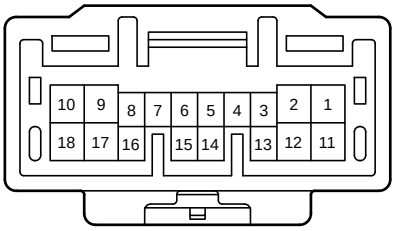


90980-12A47

AF2
Gray

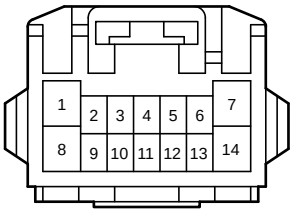


90980-12739

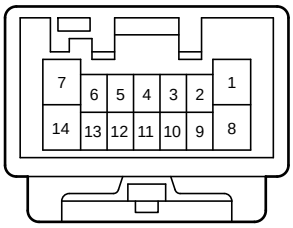


90980-12738

AT1
White

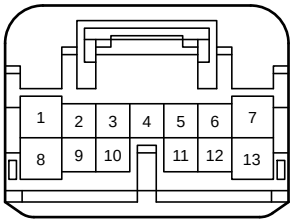


82824-53090

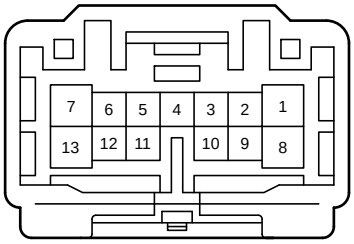


82824-53080

AU2
Blue

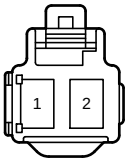


90980-12767

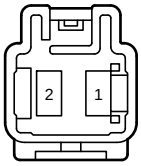


90980-12766

AU3
White

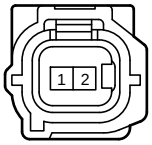


90980-10903

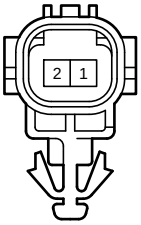


90980-10958

Am1
Black

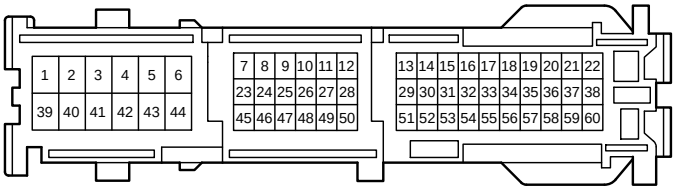


90980-12416

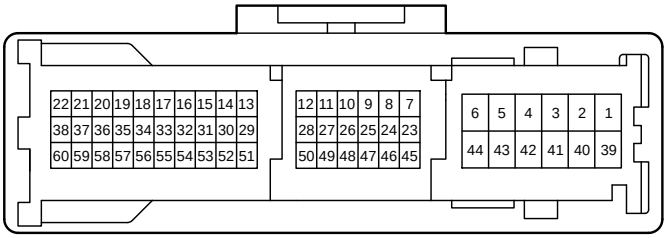


90980-12627

FA1
White

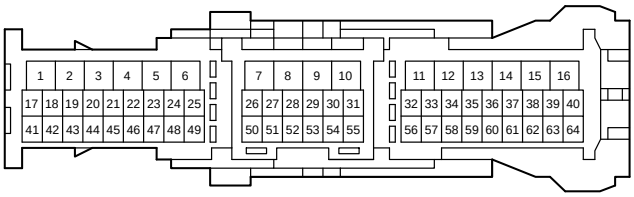


90980-12501

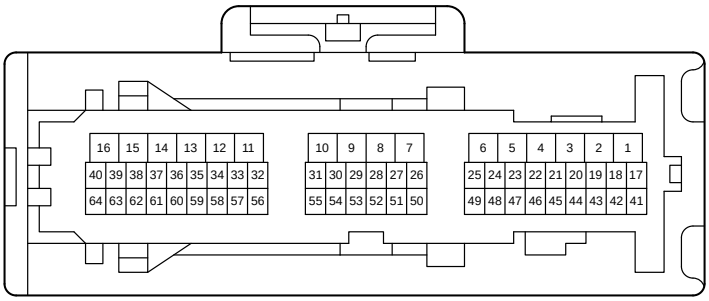


90980-12514

OA1
White

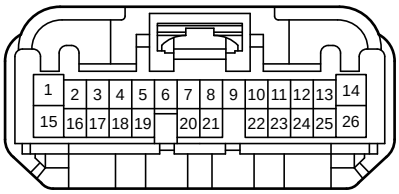


90980-12774

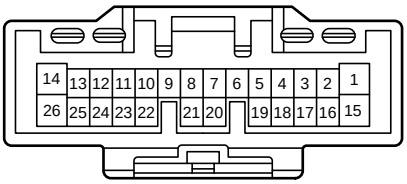


90980-12798

OA2
White

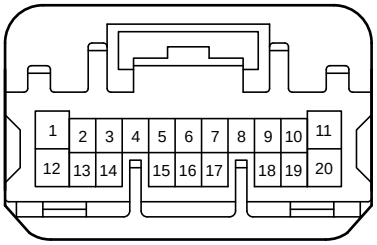


82824-24090

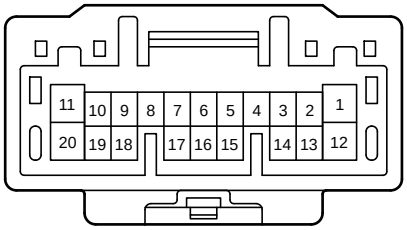


82824-24080

OA5
White

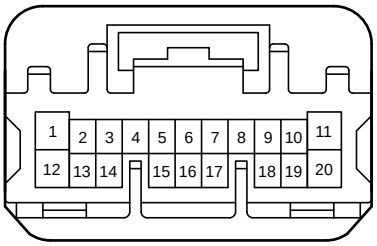


90980-12741

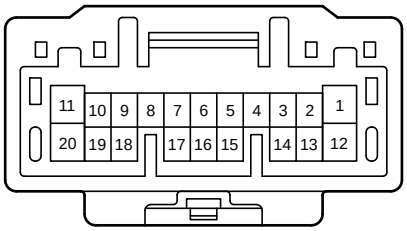


90980-12740

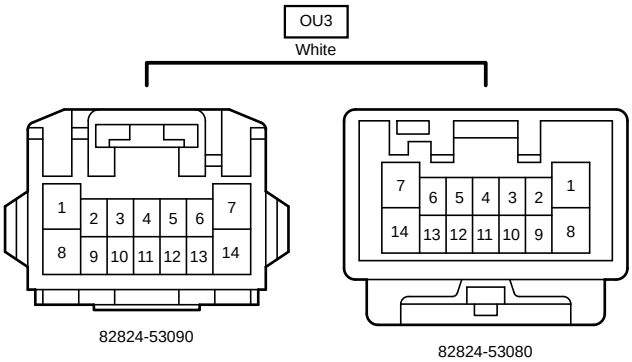
OU2
White

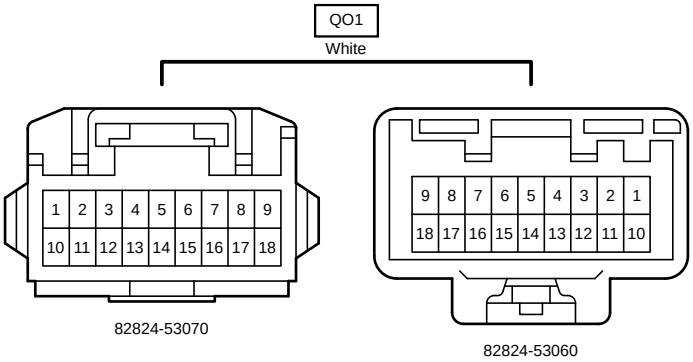


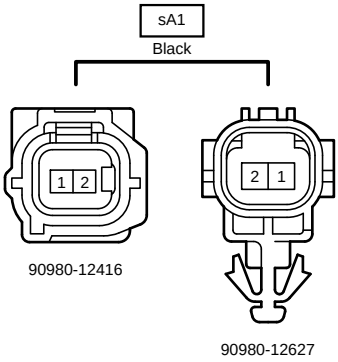
90980-12741



90980-12740


OU3
White
1 2 3 4 5 6 7
8 9 10 11 12 13 14
7 6 5 4 3 2 1
14 13 12 11 10 9 8
82824-53090
82824-53080


QO1
White
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
82824-53070
82824-53060


sA1
Black
1 2
2 1
90980-12416
90980-12627