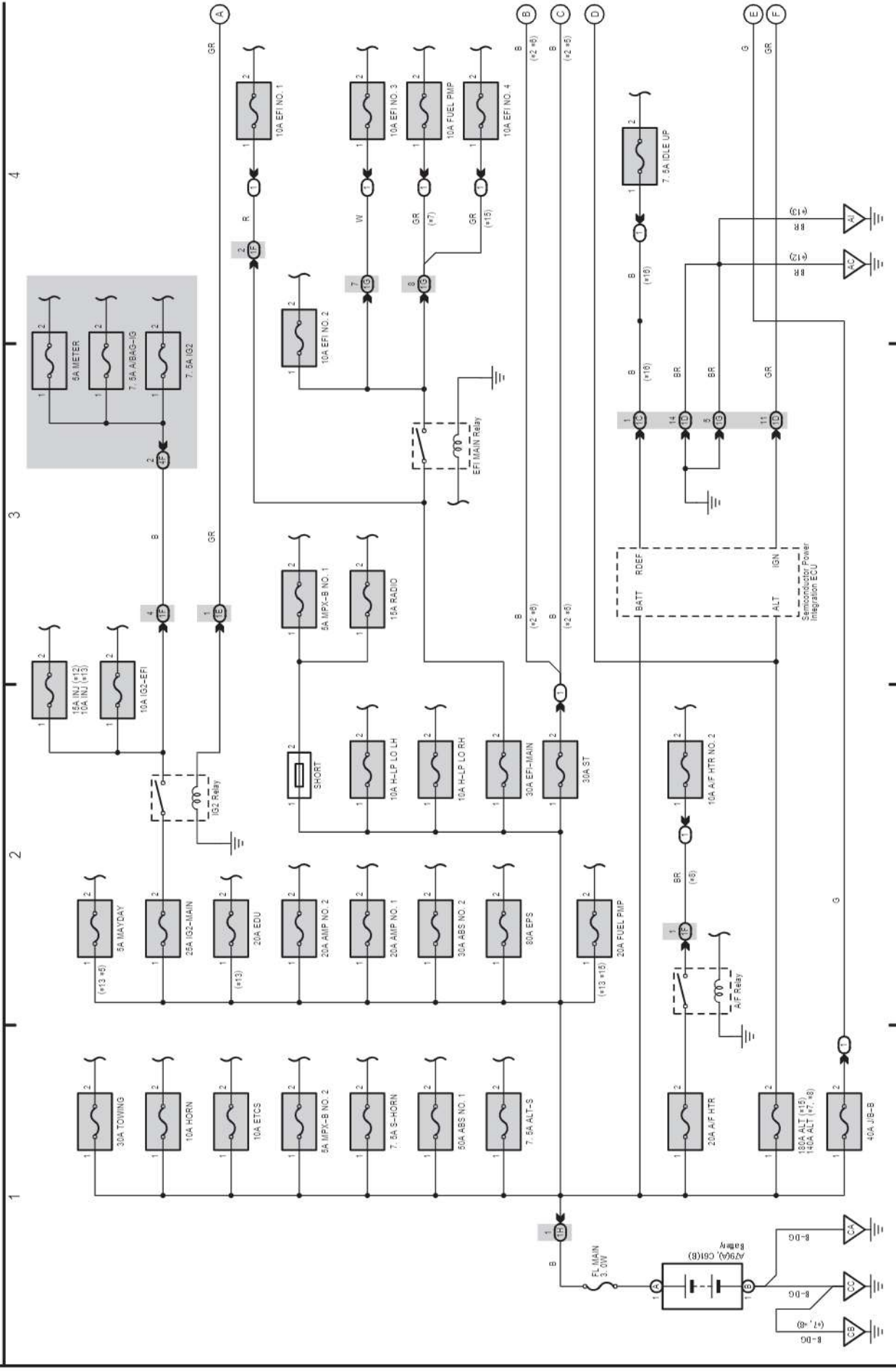
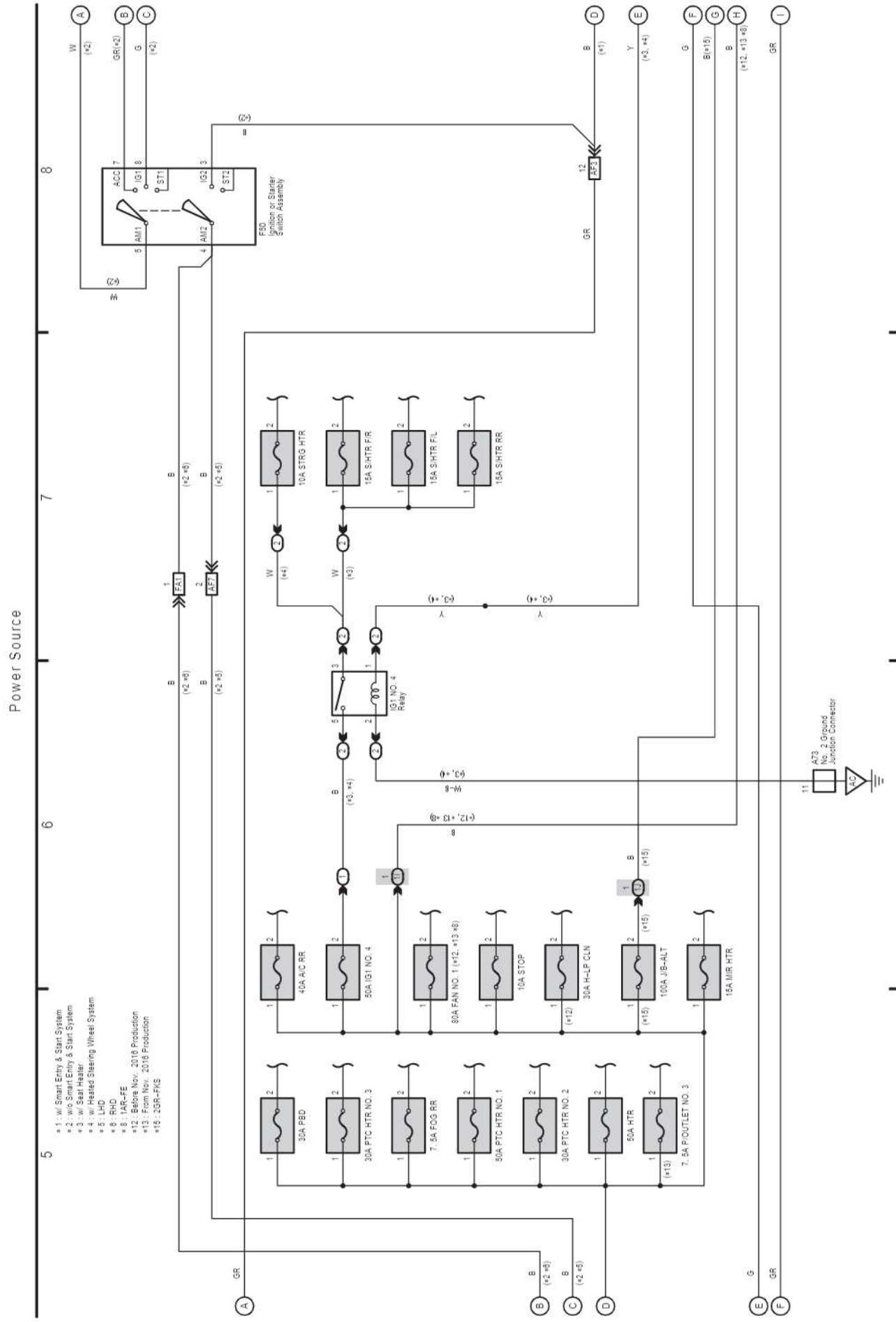


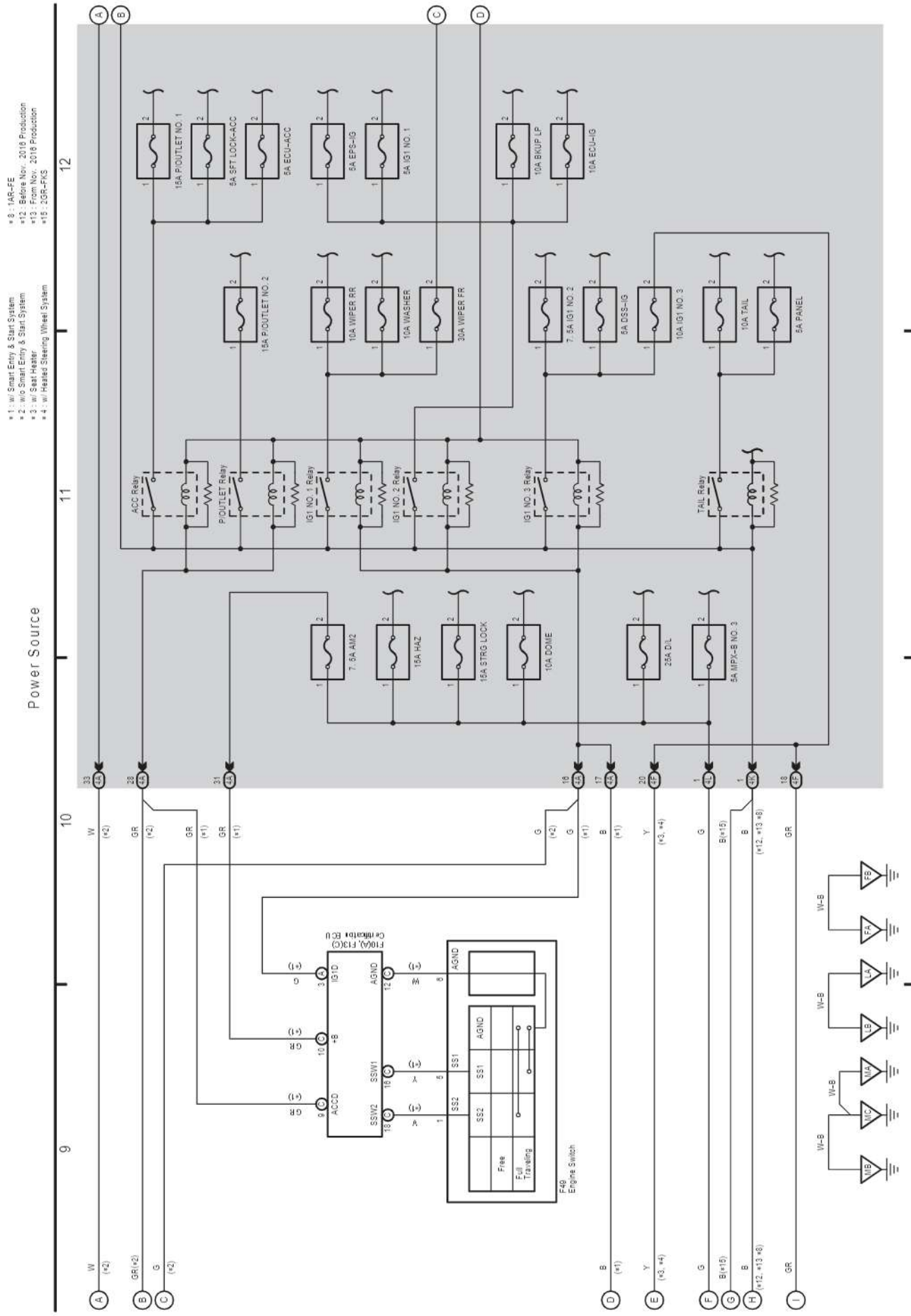
*2 : w/o Smart Entry & Start System
 *6 : LHD
 *8 : RHD
 *7 : 2GR-FKS
 *8 : 1AR-FE

*12 : Before Nov. 2016 Production
 *13 : From Nov. 2016 Production
 *15 : 2GR-FKS
 *16 : w/o Seat Position Memory

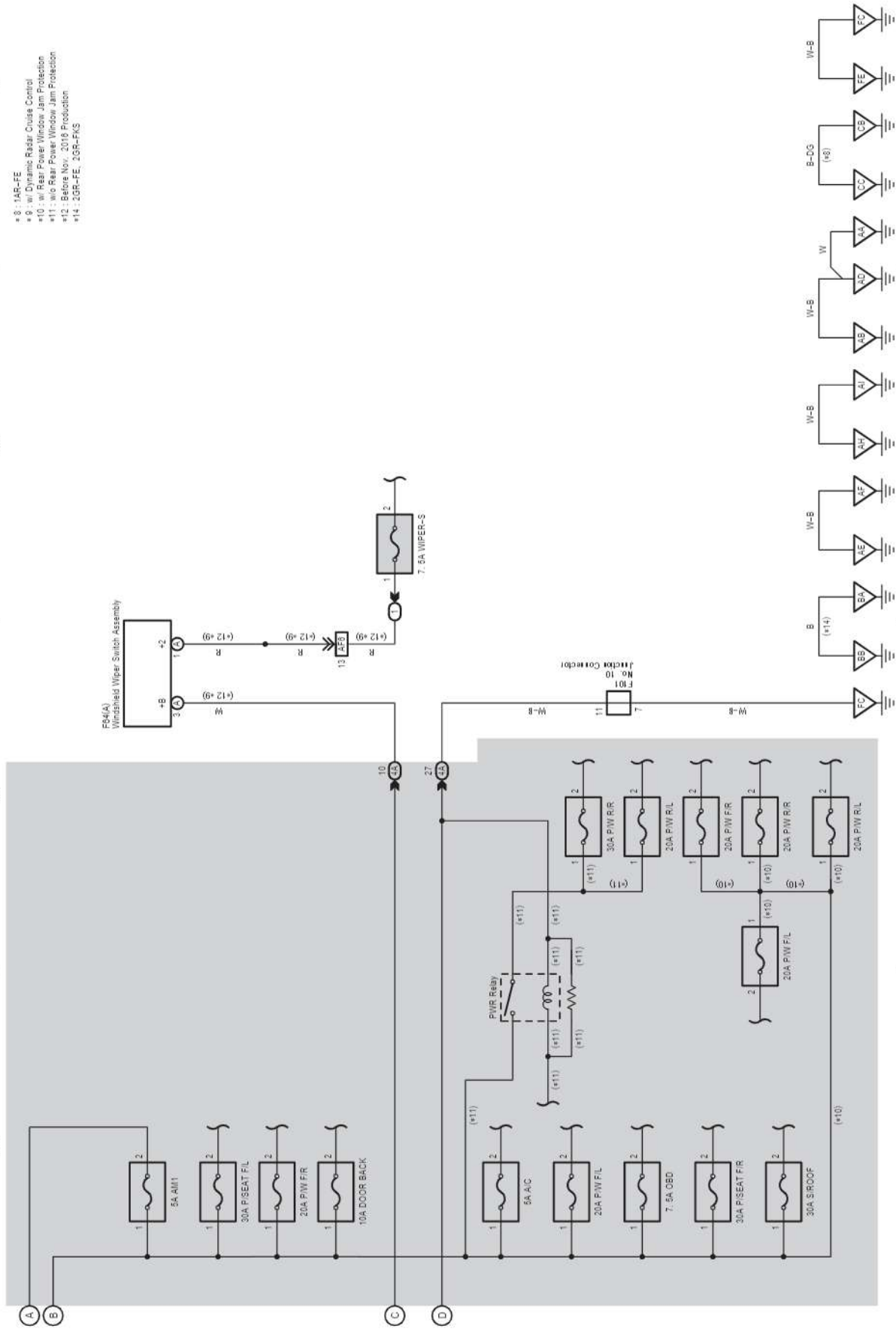
Power Source



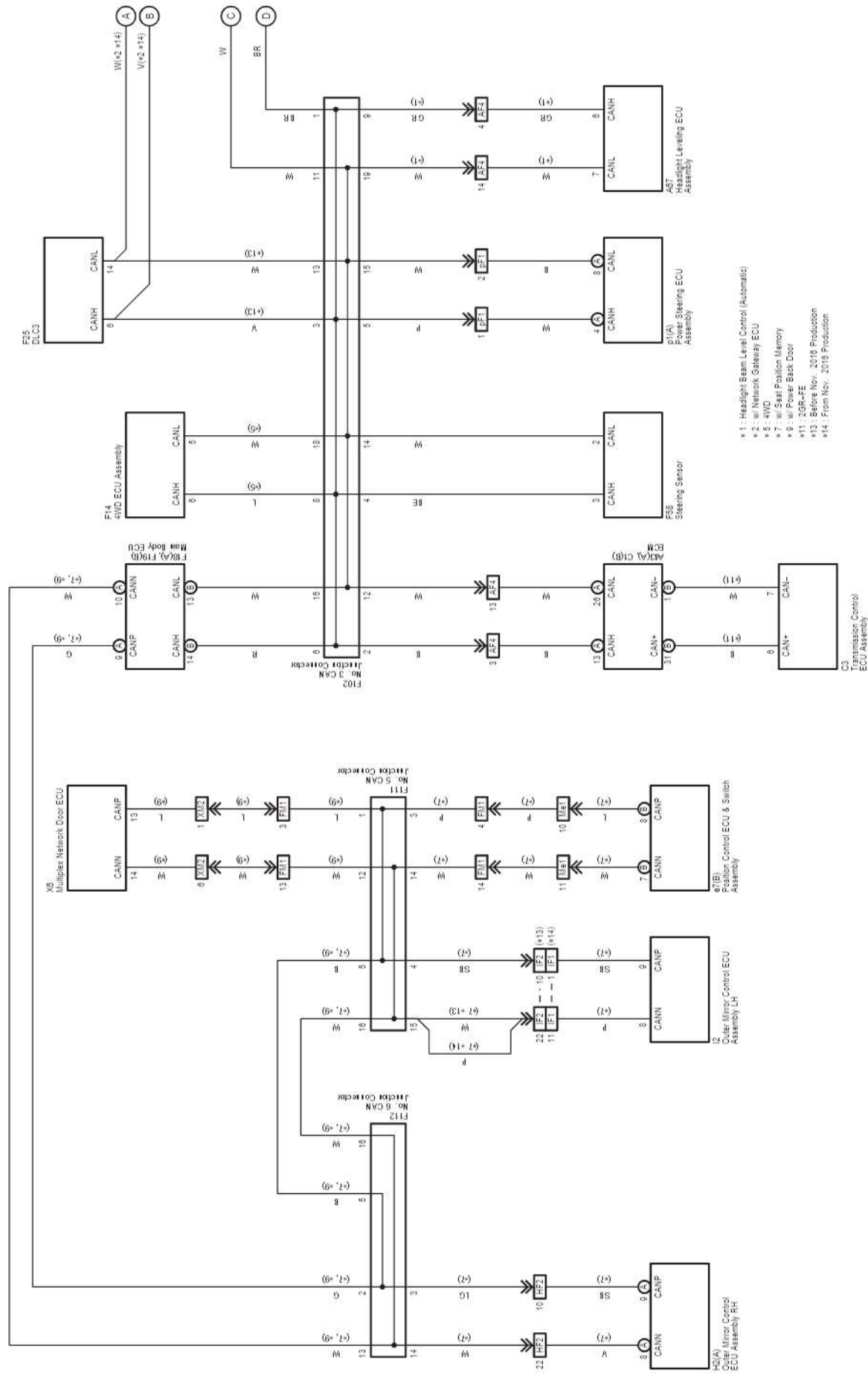




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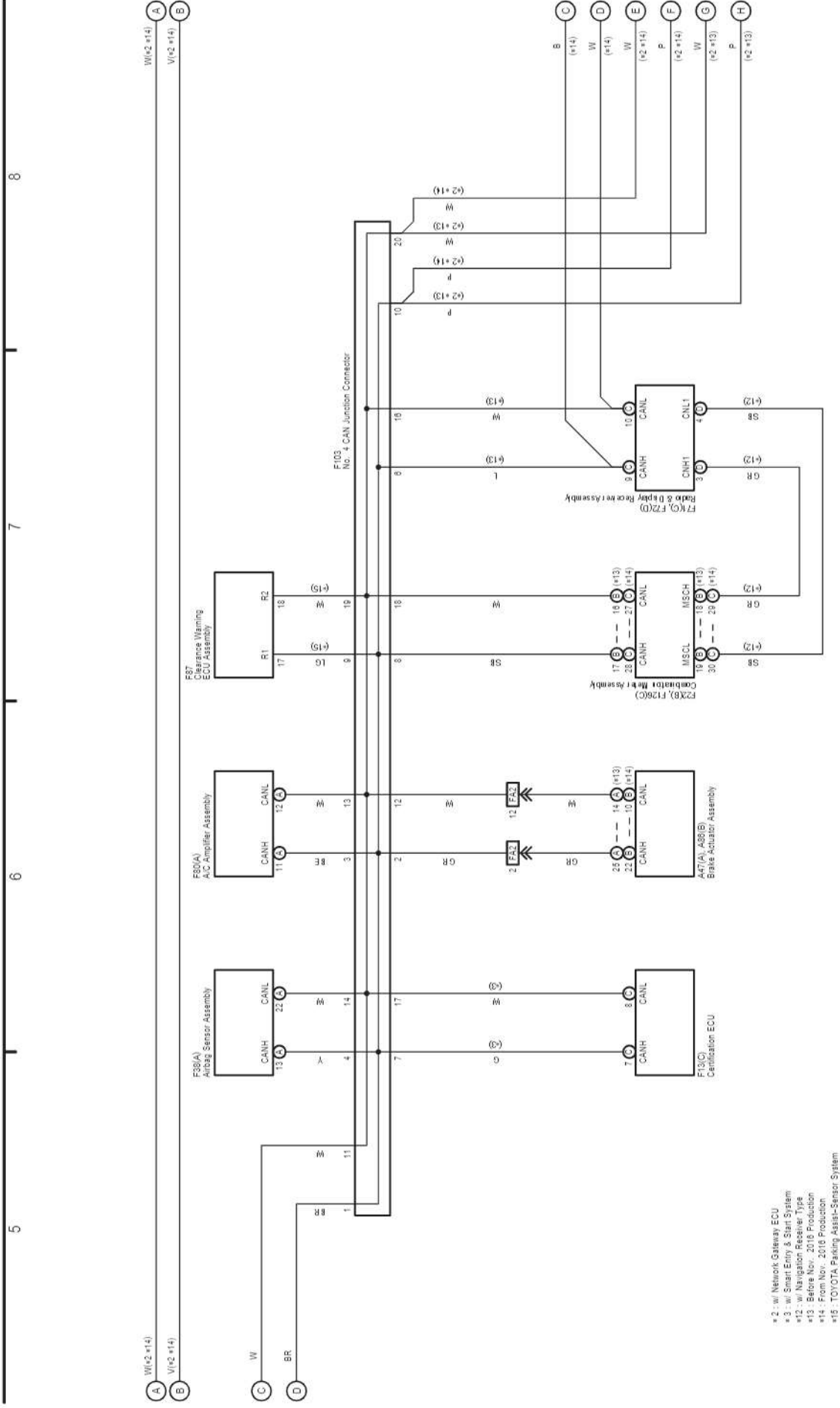


4



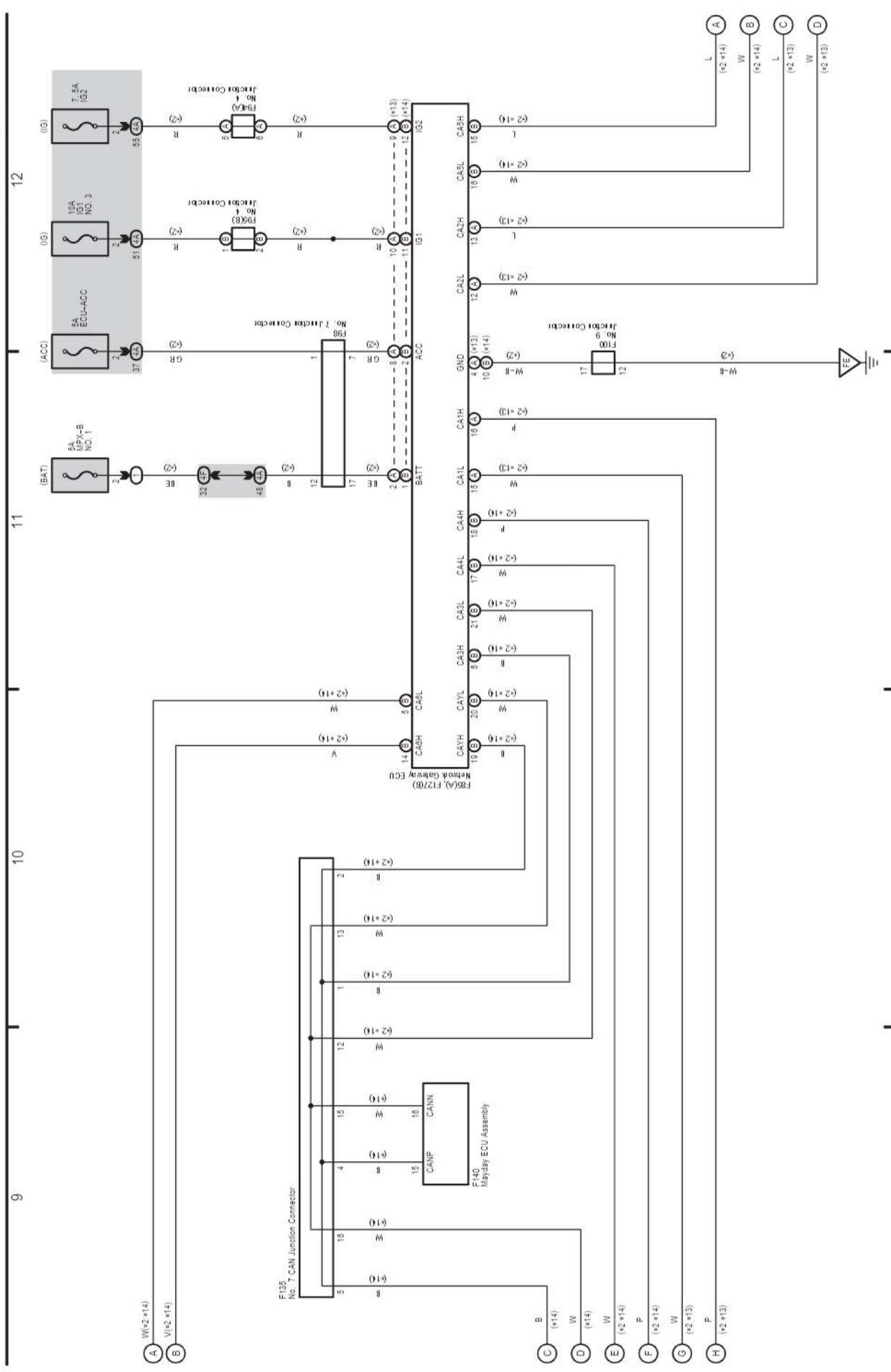
- * 1 : Headlight Beam Level Control (Automatic)
- * 2 : w/ Network Gateway ECU
- * 6 : 4WD
- * 7 : w/ Seat Position Memory
- * 8 : w/ Power Back Door
- * 11 : 2GR-FE
- * 13 : Before Nov. 2016 Production
- * 14 : From Nov. 2016 Production

Multiplex Communication System (CAN LHD)



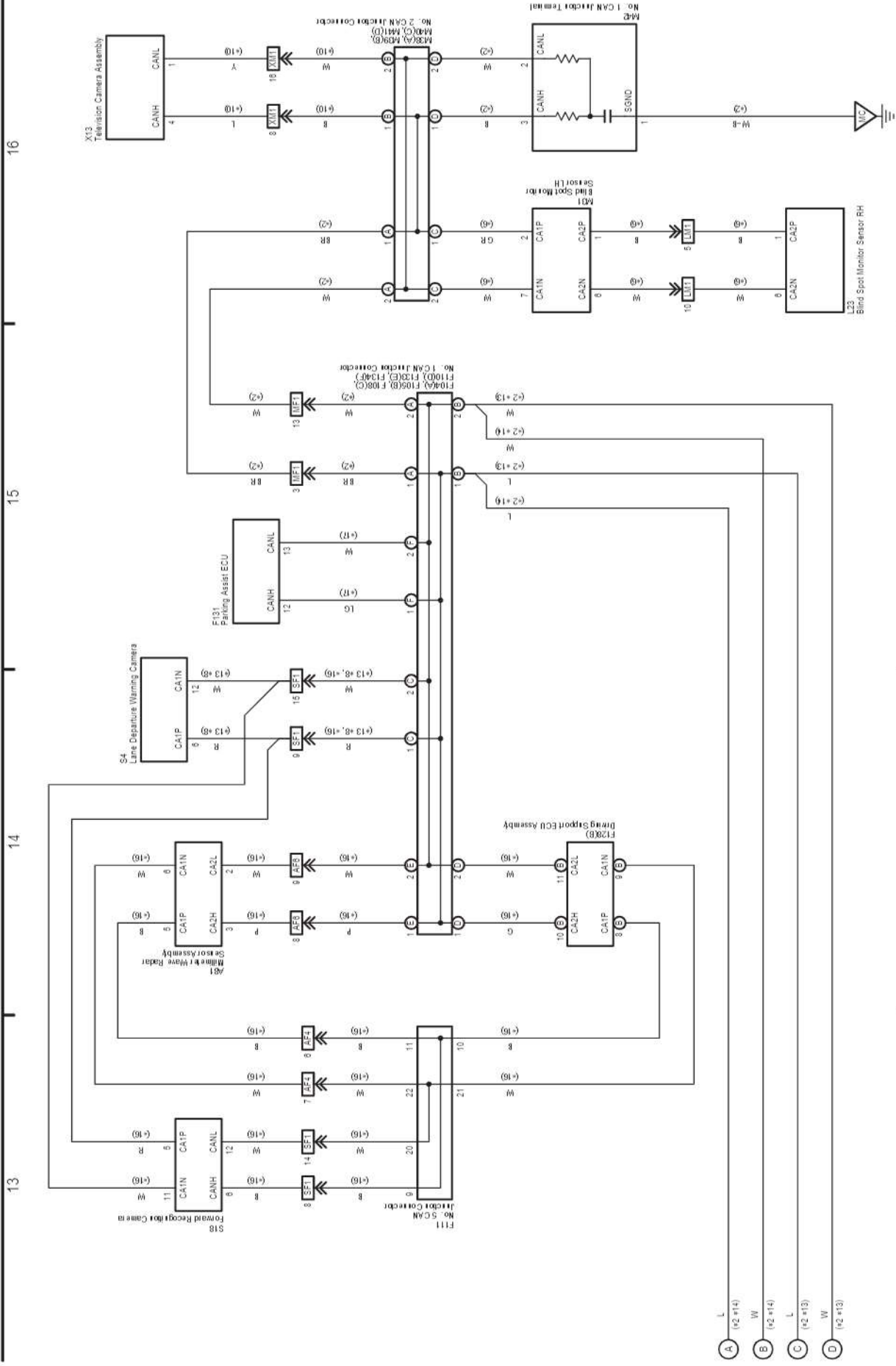
*2 : w/ Network Gateway ECU
 *3 : w/ Smart Entry & Start System
 *12 : w/ Navigation Receiver Type
 *13 : Before Nov. 2016 Production
 *14 : From Nov. 2016 Production
 *15 : TOYOTA Parking Assist-Sensor System

- * 2 : w/ Network Gateway ECU
- *13 : Before Nov. 2016 Production
- *14 : From Nov. 2016 Production



Multiplex Communication System (CAN LHD)

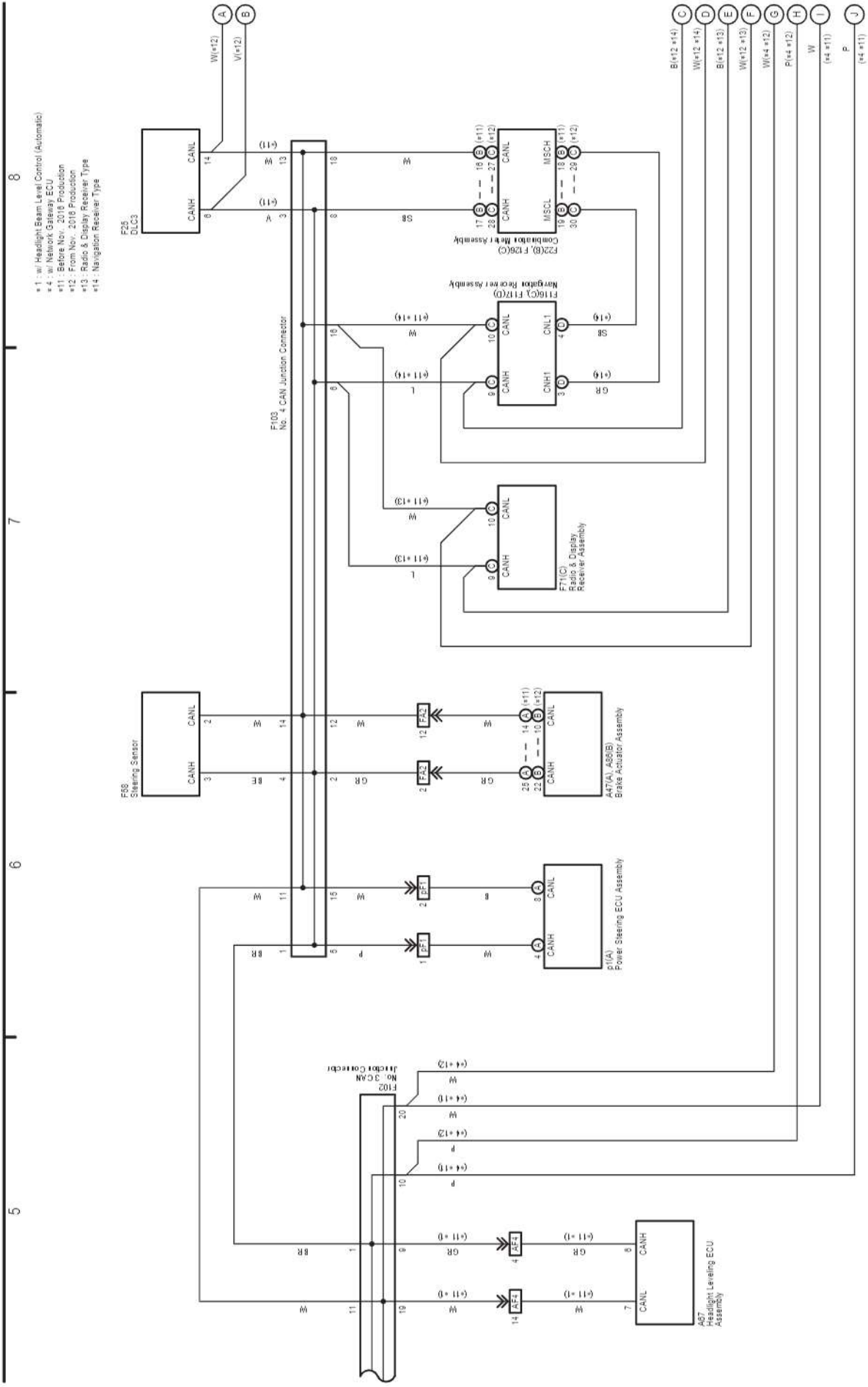
*2 : w/ Network Gateway ECU
 *6 : w/ Blind Spot Monitor System
 *8 : w/ Lane Departure Alert
 *10 : w/ Back Guide Monitor System
 *13 : Before Nov. 2018 Production
 *14 : From Nov. 2018 Production
 *16 : w/ Dynamic Radar Cruise Control
 *17 : w/ Panoramic View Monitor System

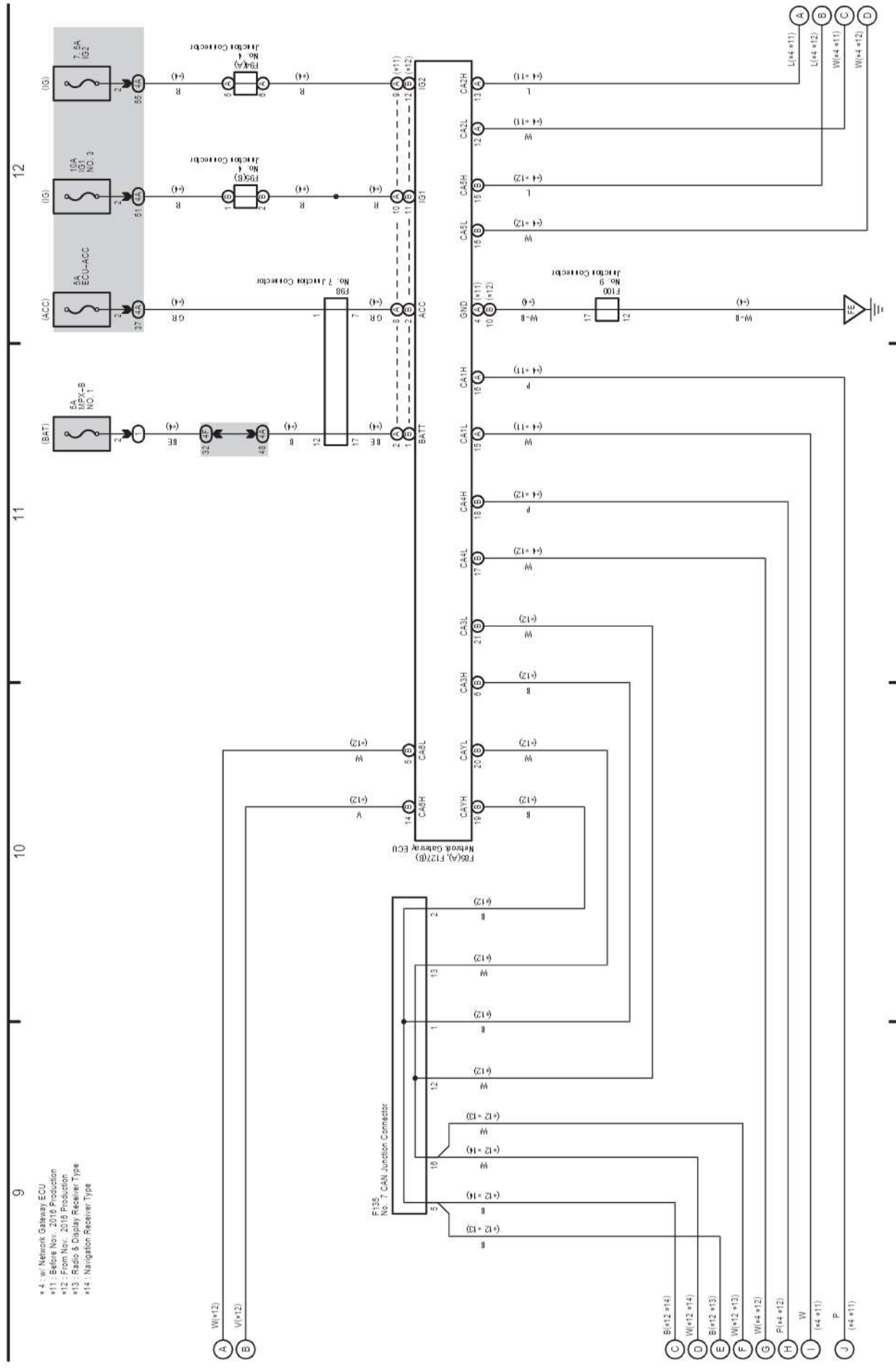


4

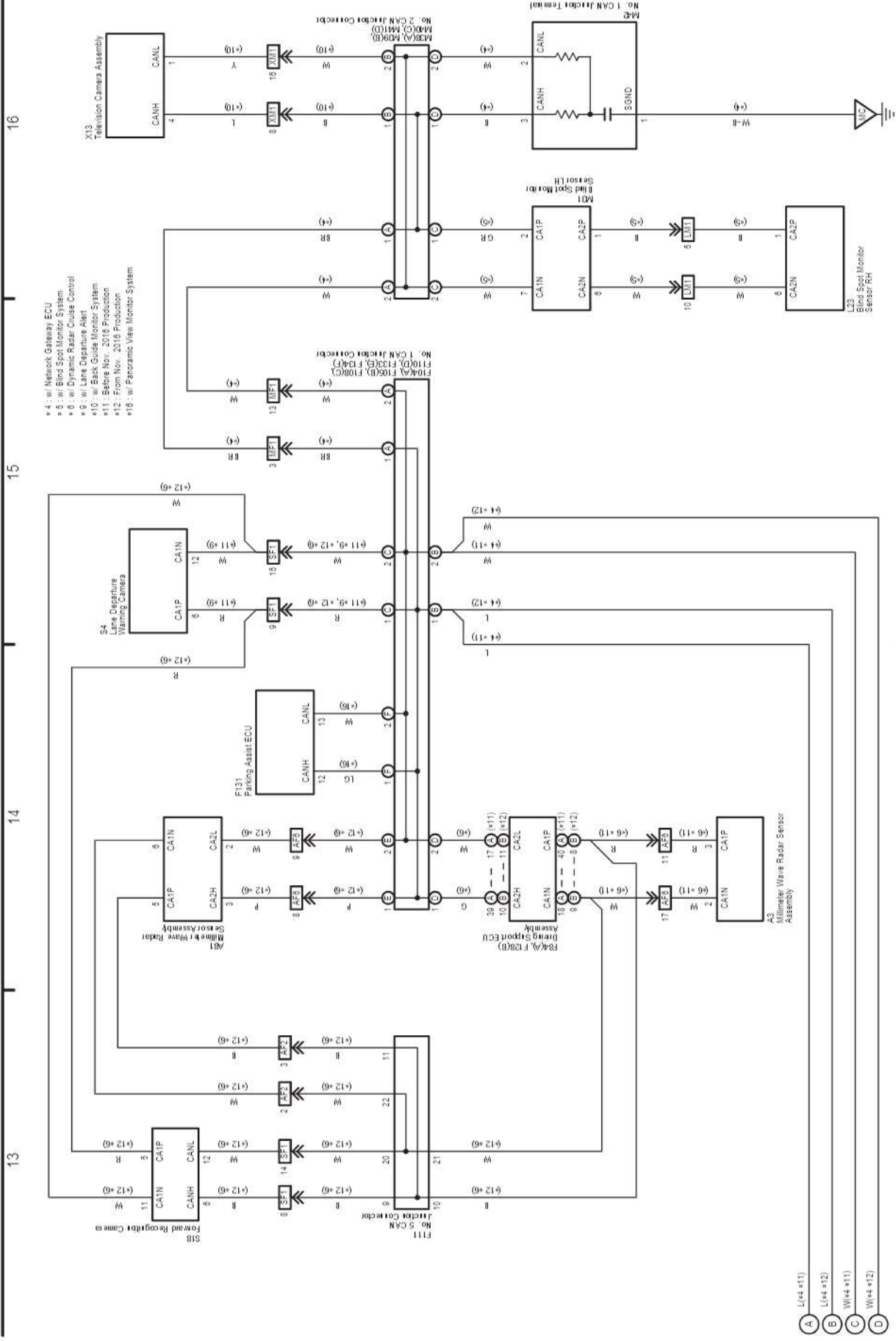


Multiplex Communication System (CAN RHD)



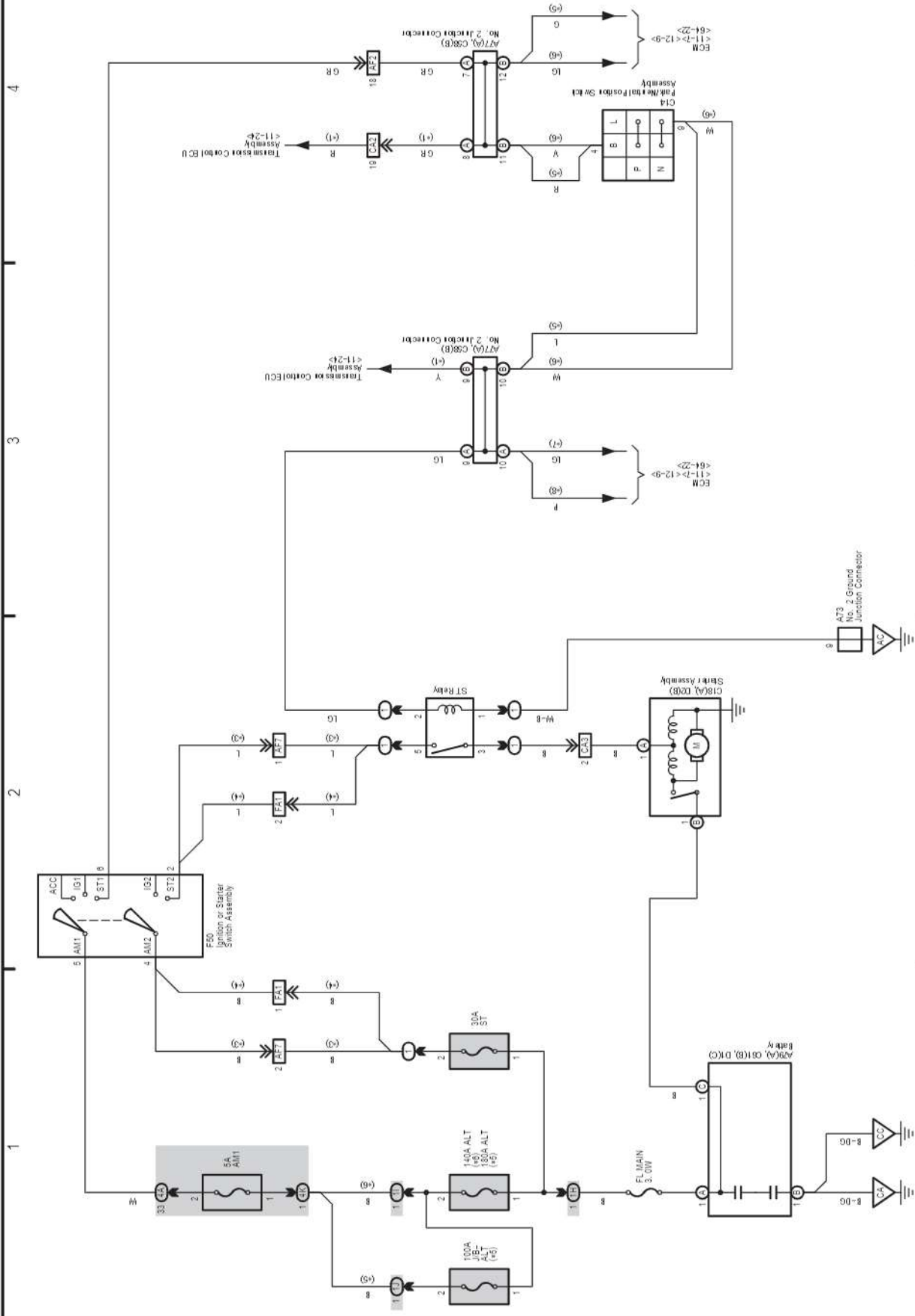


Multiplex Communication System (CAN RHD)

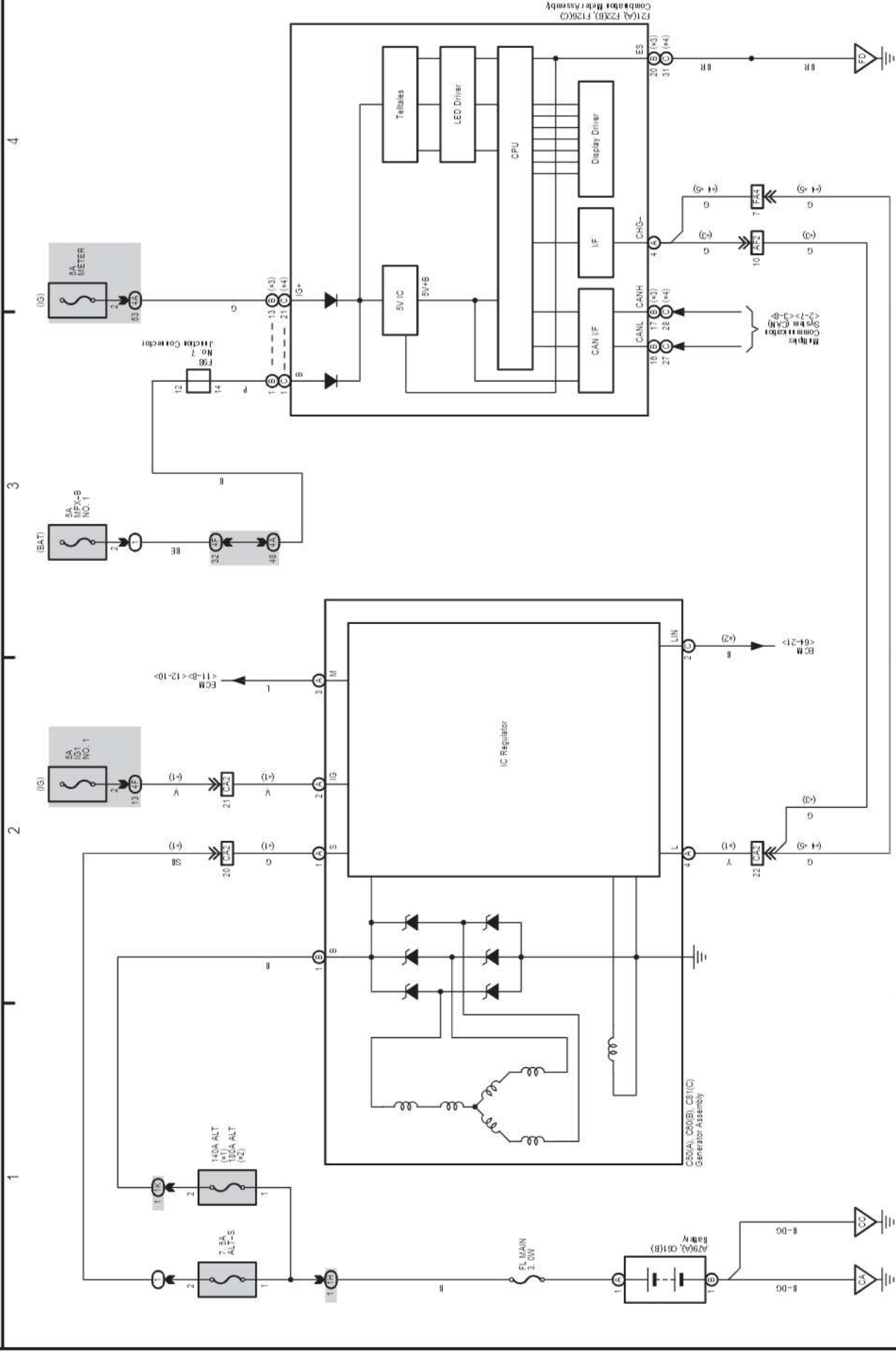


Starting (w/o Smart Entry & Start System)

* 6 : 2GR-FKS
 * 1 : 2GR-FE
 * 3 : LHD
 * 4 : RHD
 * 7 : Before Nov. 2016 Production
 * 8 : From Nov. 2016 Production

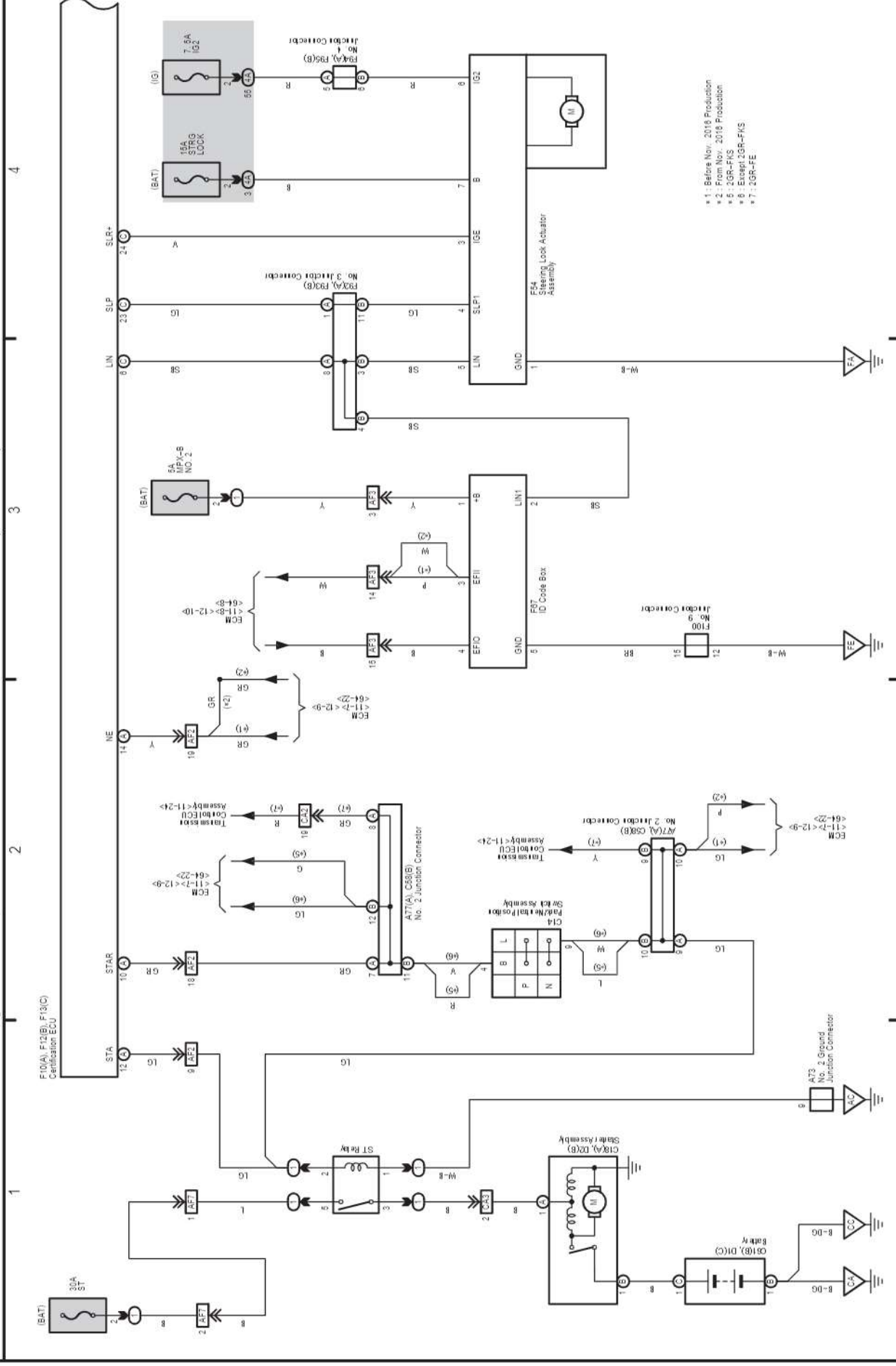


Charging

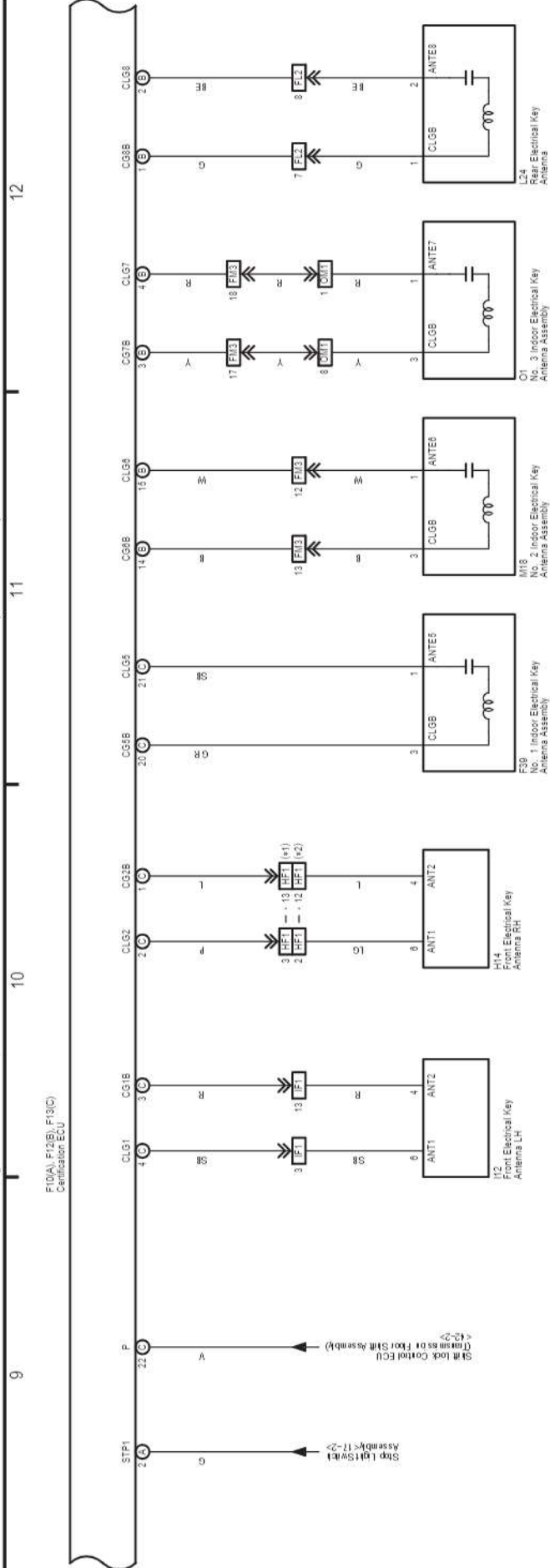


- * 1 : Except 3GR-FKS
- * 2 : 3GR-FKS
- * 3 : Before Nov. 2016 Production
- * 4 : From Nov. 2016 Production
- * 5 : 1AR-FE

Back Door Opener (LHD w/ Smart Entry & Start System), Immobiliser System (LHD w/ Smart Entry & Start System),
Smart Entry & Start System (LHD), Starting (LHD w/ Smart Entry & Start System),
Steering Lock (LHD), Wireless Door Lock Control (LHD w/ Smart Entry & Start System)



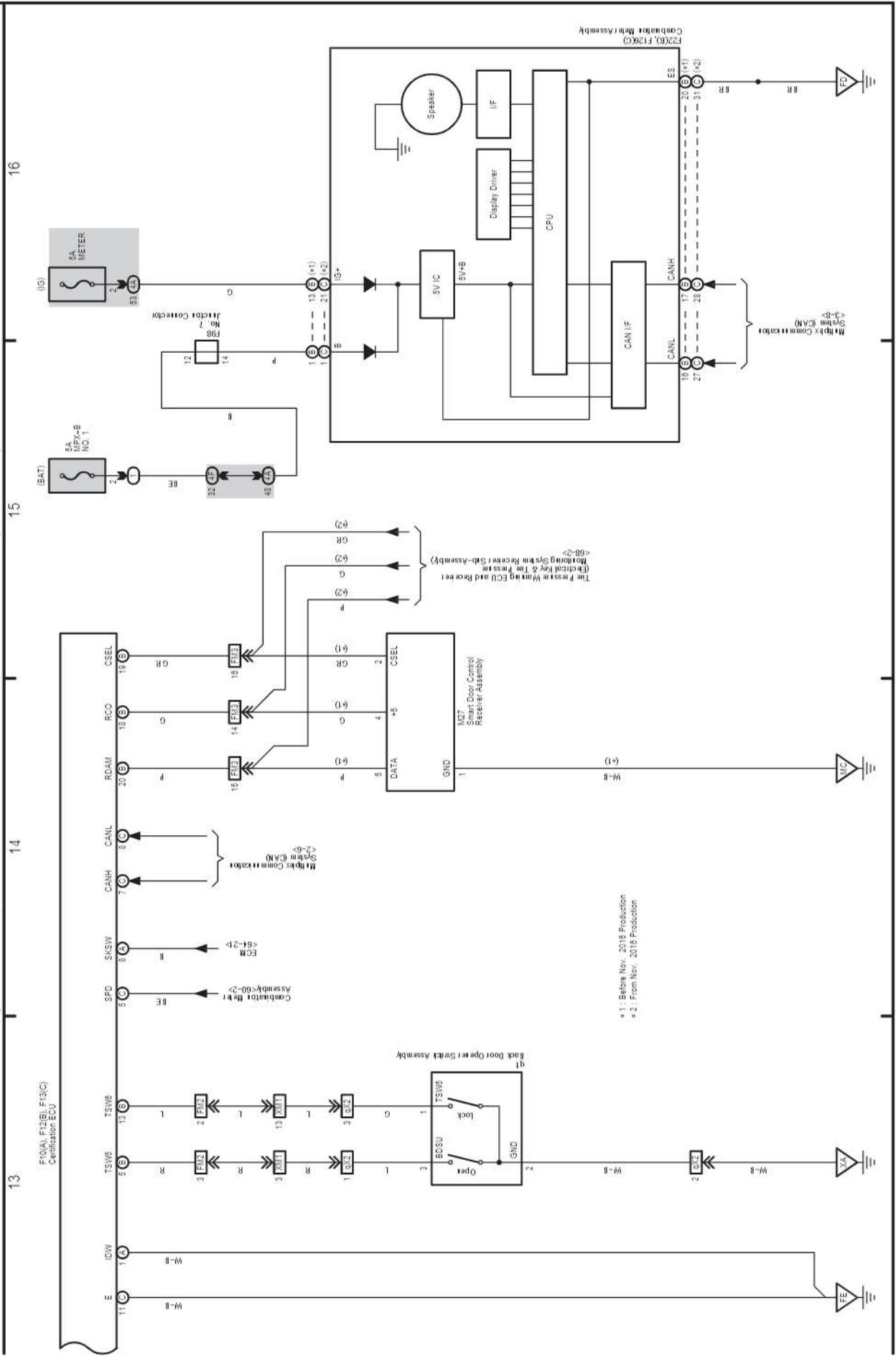
Back Door Opener (LHD w/ Smart Entry & Start System), Immobiliser System (LHD w/ Smart Entry & Start System),
Smart Entry & Start System (LHD), Starting (LHD w/ Smart Entry & Start System),
Steering Lock (LHD), Wireless Door Lock Control (LHD w/ Smart Entry & Start System)



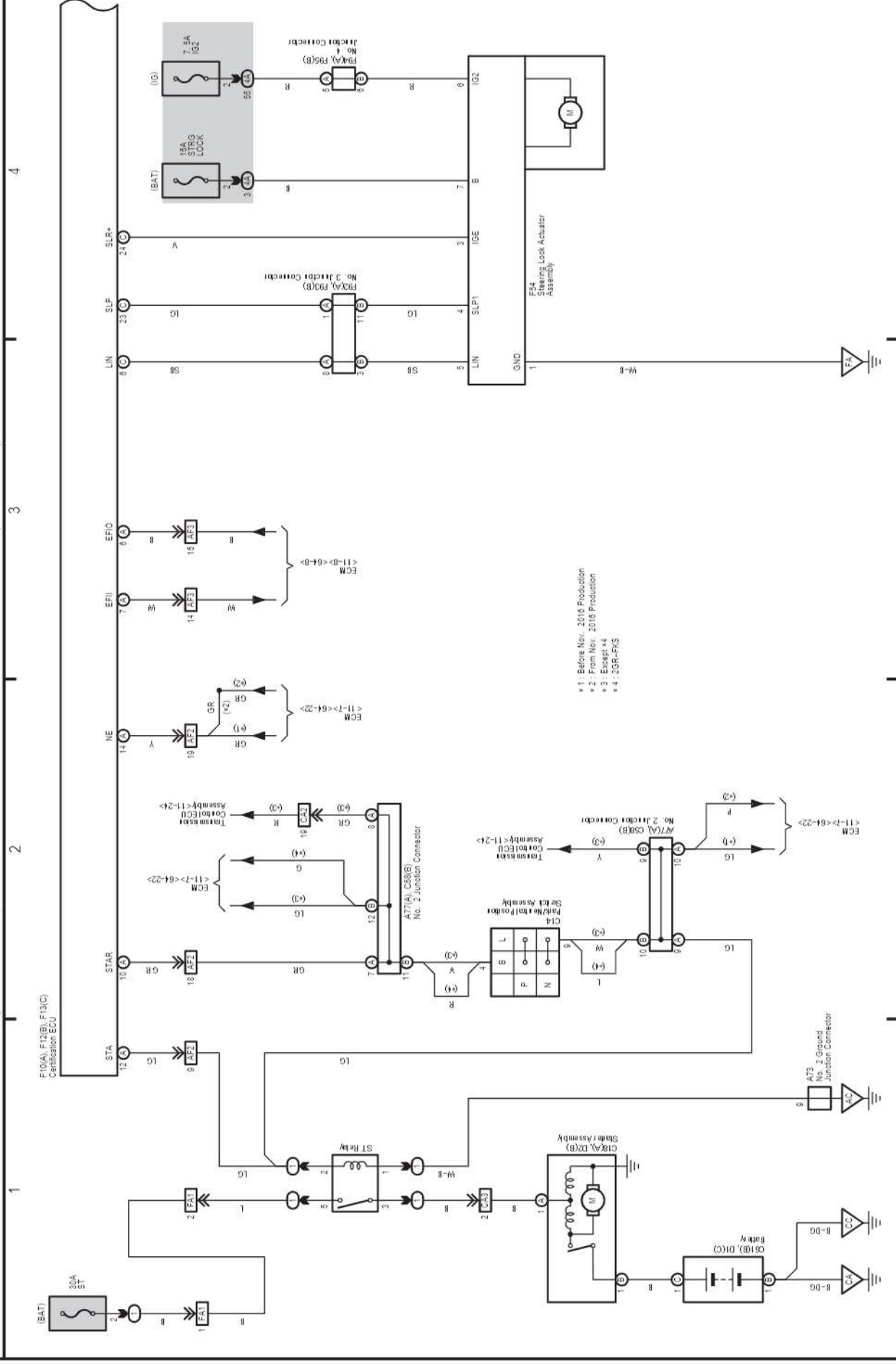
* 1 : Before Nov. 2016 Production
* 2 : From Nov. 2016 Production

6 HIGHLANDER / KLUGER (Cont' d)

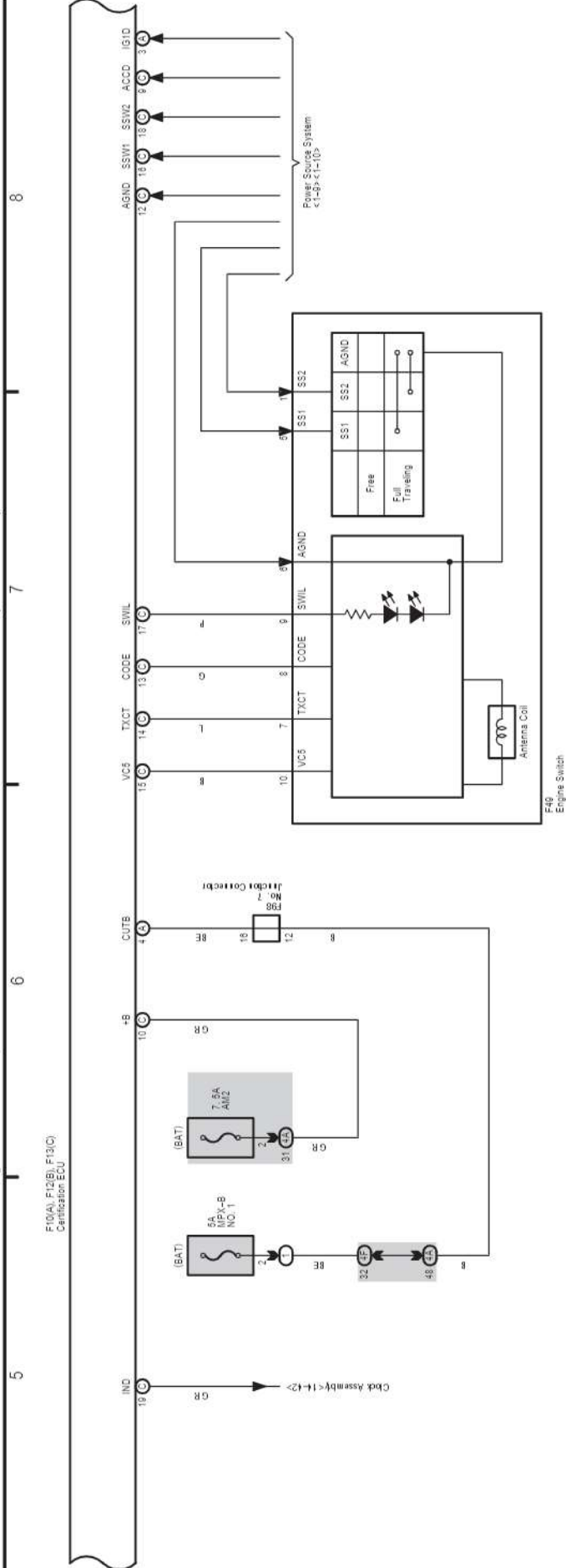
Back Door Opener (LHD w/ Smart Entry & Start System), Immobiliser System (LHD w/ Smart Entry & Start System),
Smart Entry & Start System (LHD), Starting (LHD w/ Smart Entry & Start System),
Steering Lock (LHD), Wireless Door Lock Control (LHD w/ Smart Entry & Start System)



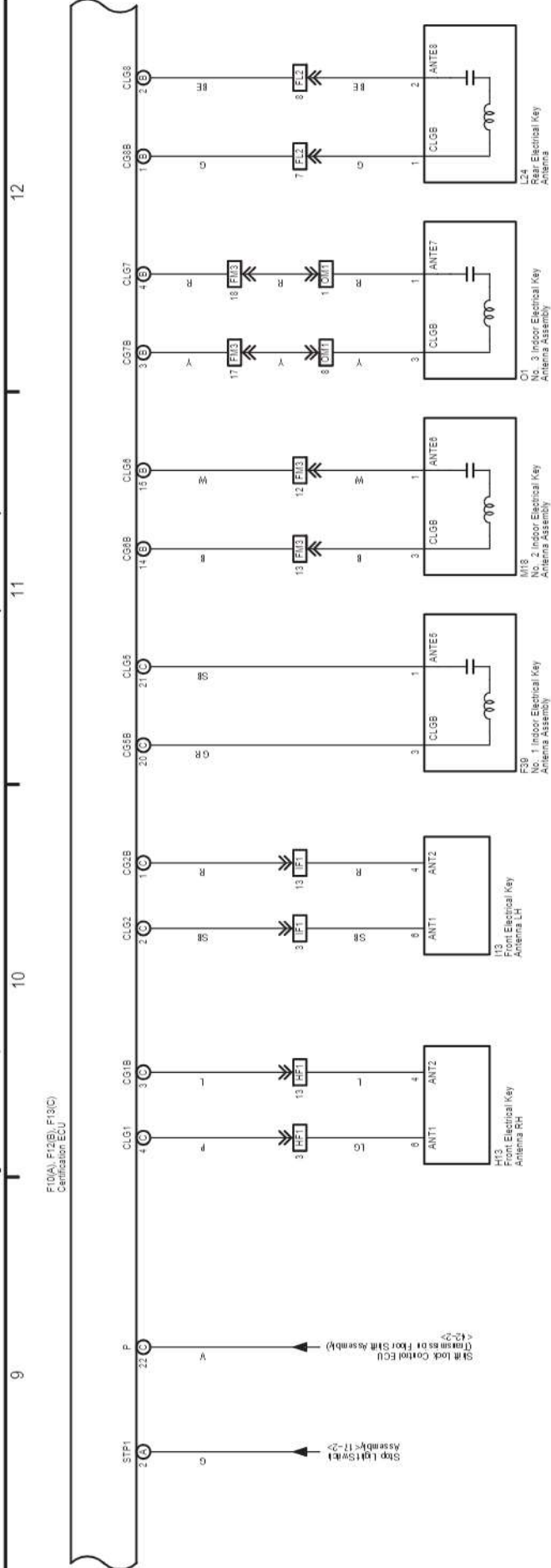
Back Door Opener (RHD w/ Smart Entry & Start System), Immobiliser System (RHD w/ Smart Entry & Start System),
Smart Entry & Start System (RHD), Starting (RHD w/ Smart Entry & Start System),
Steering Lock (RHD), Wireless Door Lock Control (RHD w/ Smart Entry & Start System)



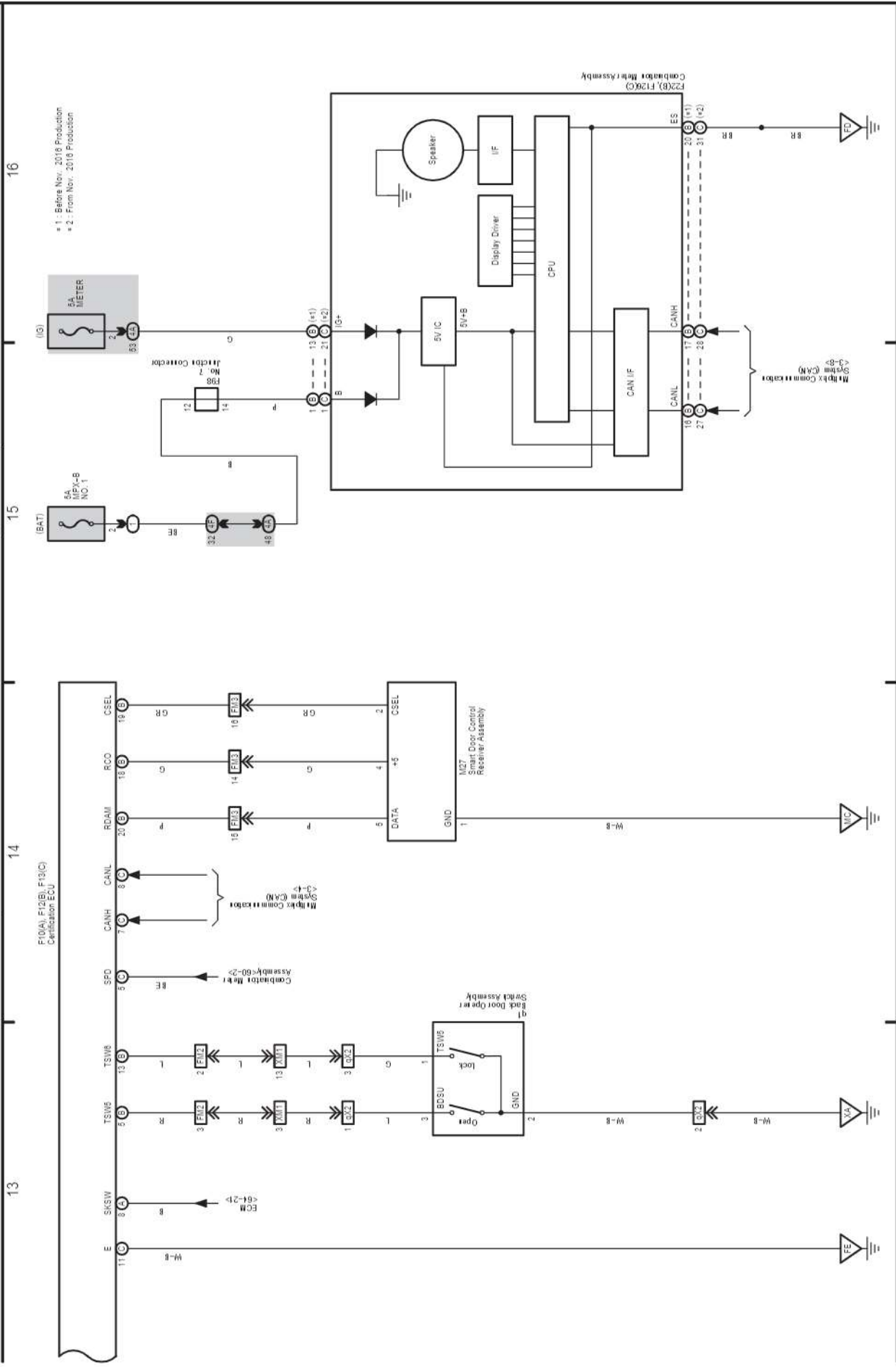
Back Door Opener (RHD w/ Smart Entry & Start System), Immobiliser System (RHD w/ Smart Entry & Start System),
Smart Entry & Start System (RHD), Starting (RHD w/ Smart Entry & Start System),
Steering Lock (RHD), Wireless Door Lock Control (RHD w/ Smart Entry & Start System)



Back Door Opener (RHD w/ Smart Entry & Start System), Immobiliser System (RHD w/ Smart Entry & Start System),
Smart Entry & Start System (RHD), Starting (RHD w/ Smart Entry & Start System),
Steering Lock (RHD), Wireless Door Lock Control (RHD w/ Smart Entry & Start System)



16



Immobiliser System (w/o Smart Entry & Start System)

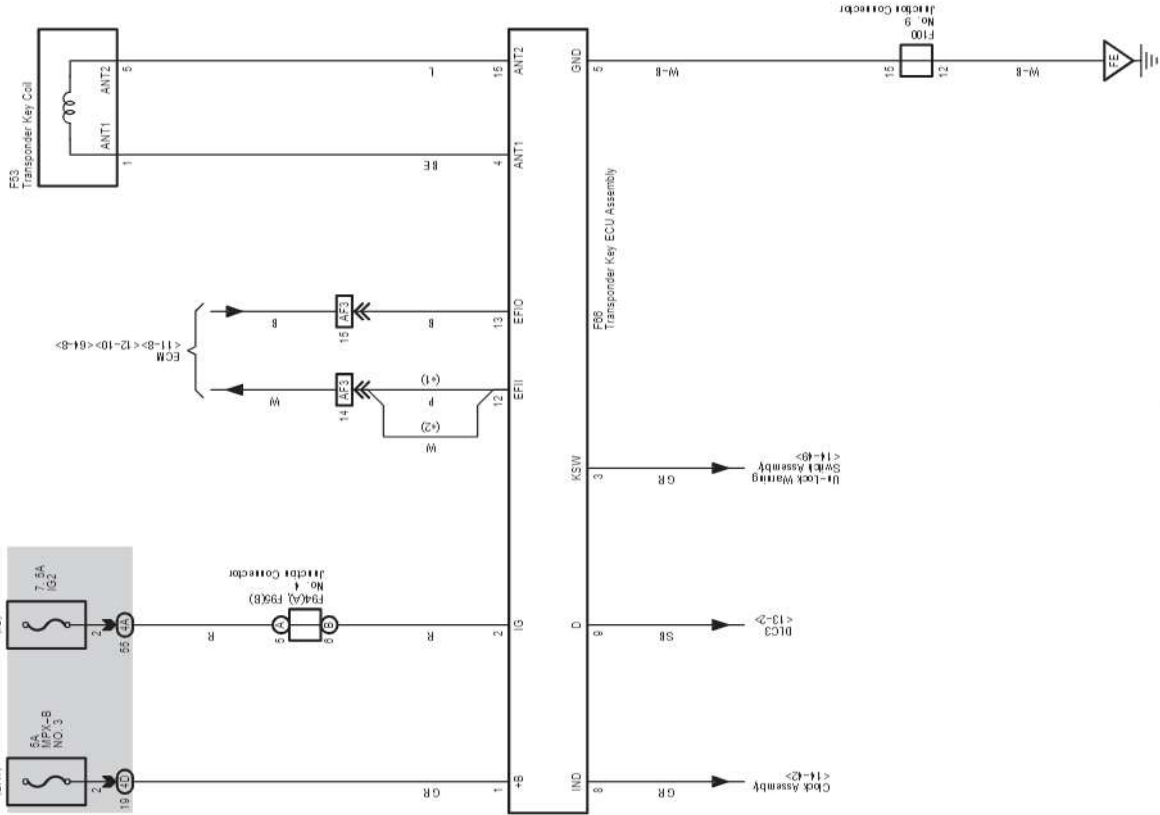
* 1 : Before Nov. 2018 Production
* 2 : From Nov. 2018 Production

4

3

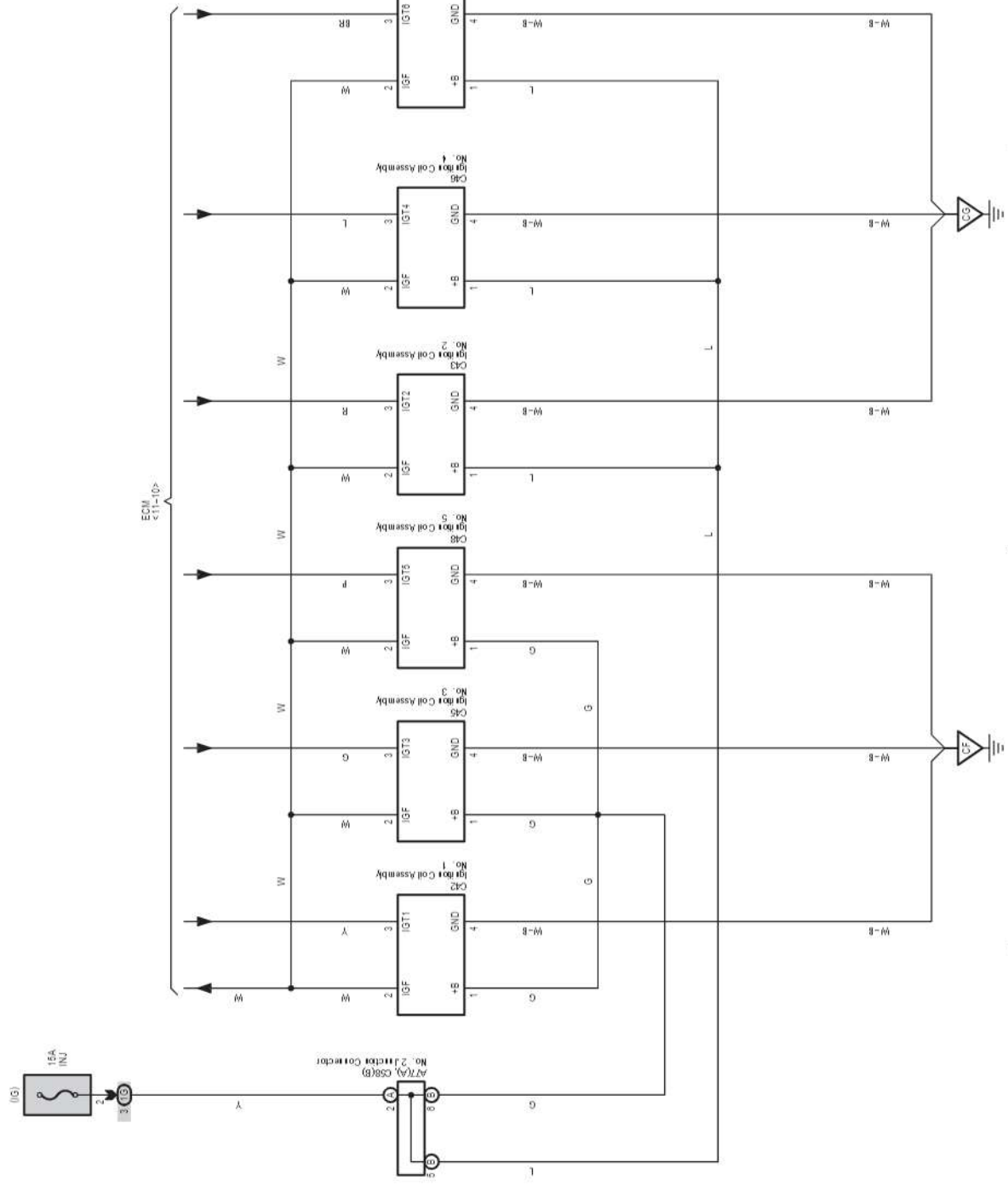
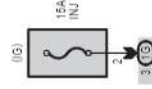
2

1



Ignition (2GR-FE)

1 2 3 4



Ignition (1AR-FE)

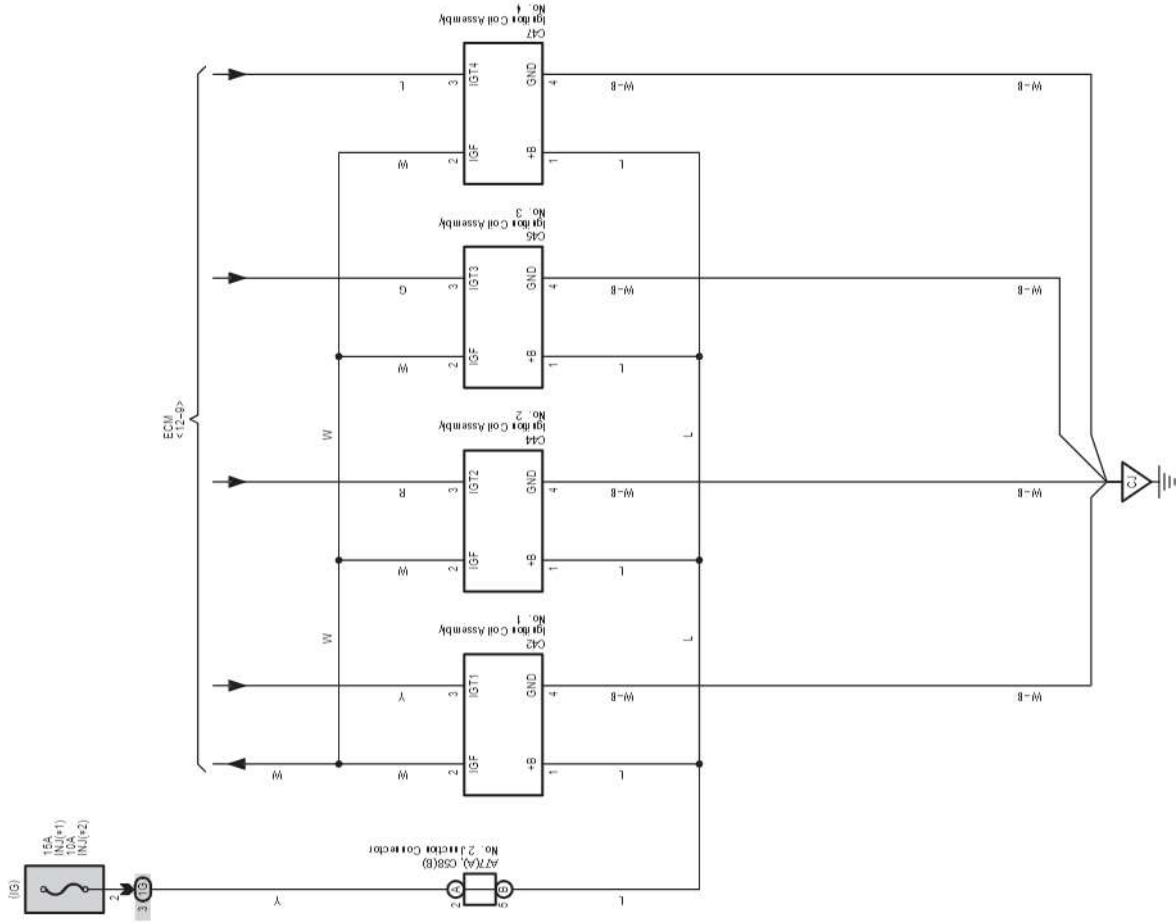
1 : Before Nov. 2016 Production
2 : From Nov. 2016 Production

4

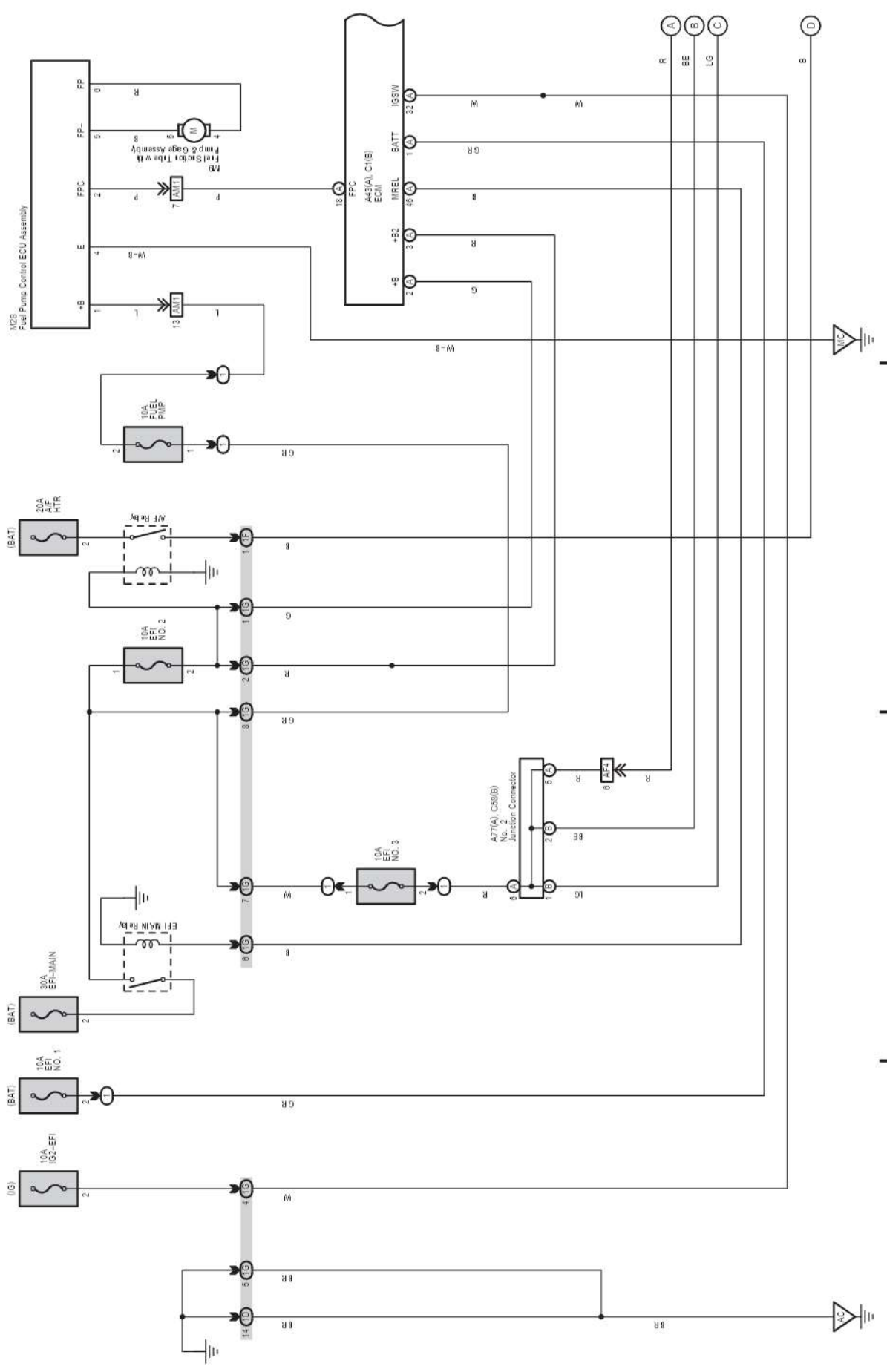
3

2

1

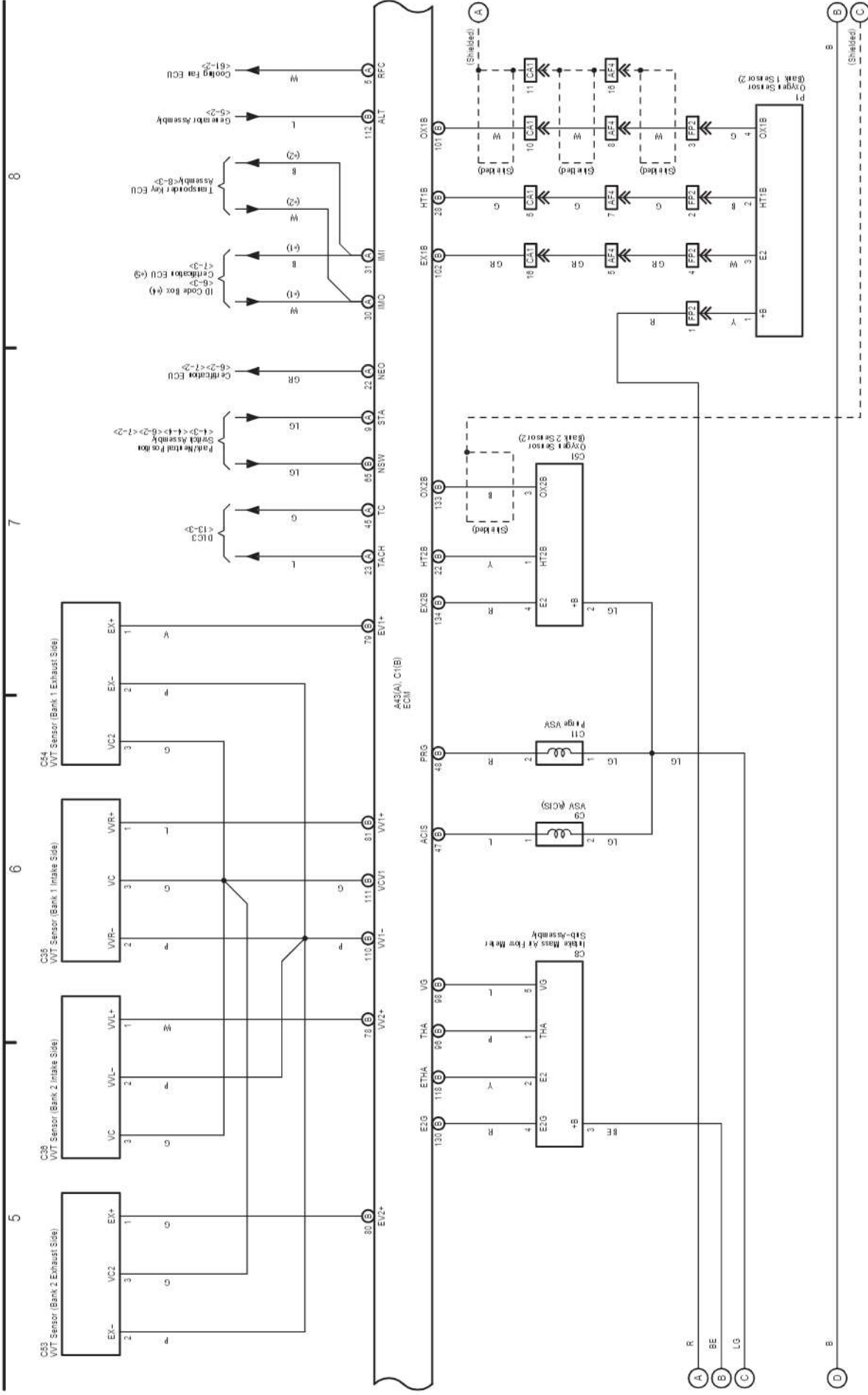


4

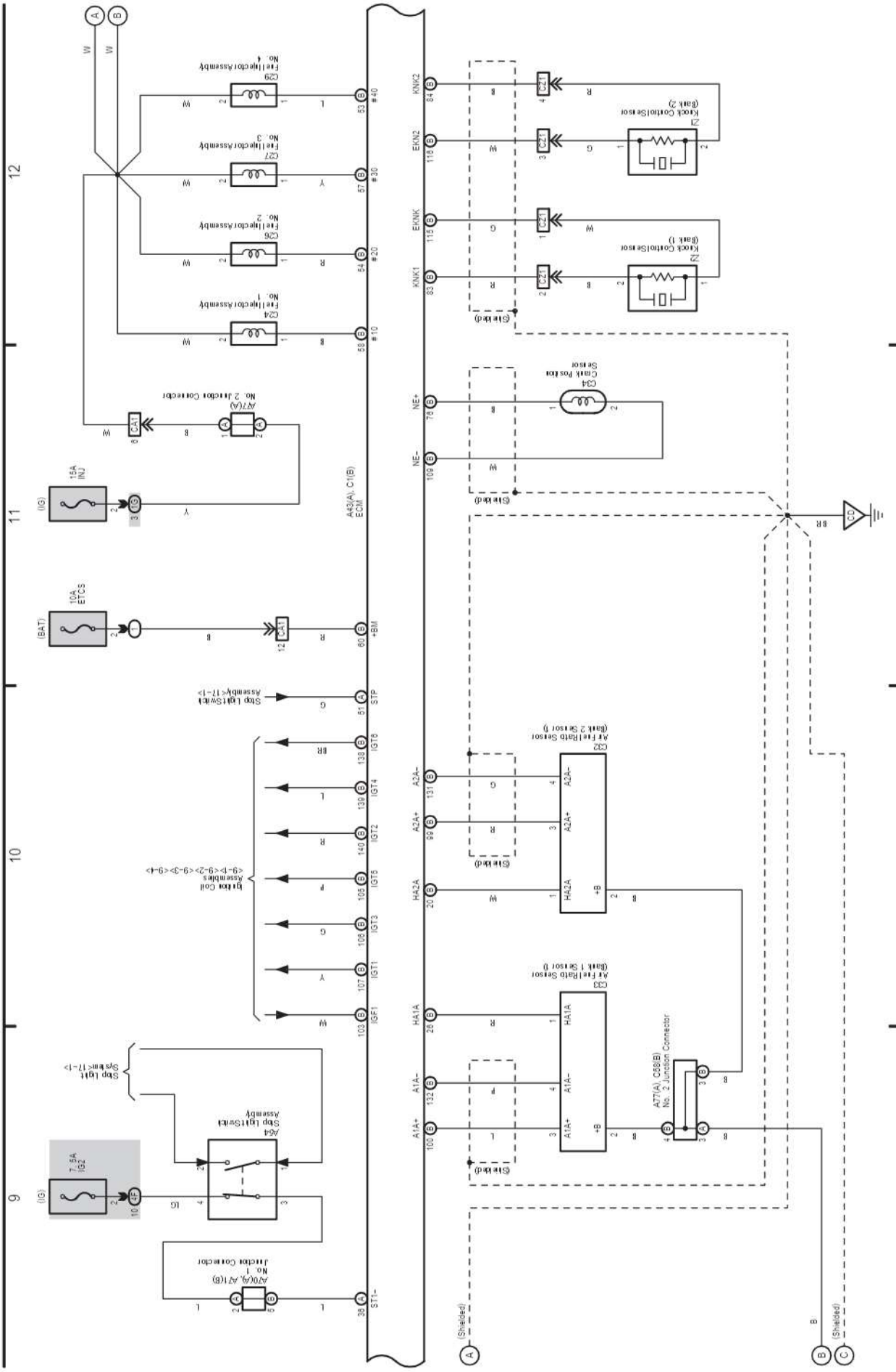


- * 1 : w/ Smart Entry & Start System
- * 2 : w/o Smart Entry & Start System
- * 4 : LHD
- * 5 : RHD

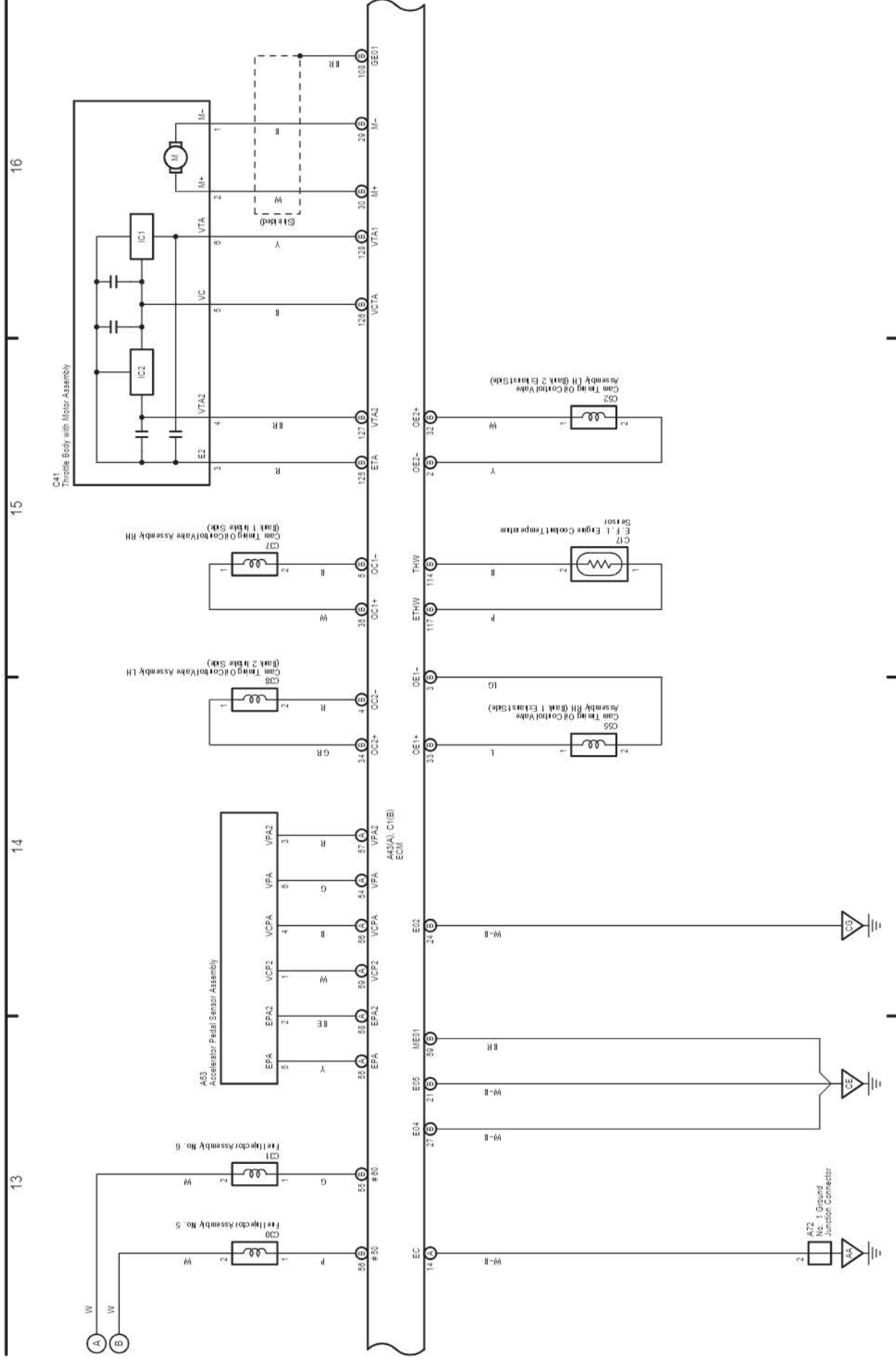
Engine Control (2GR-FE)



12

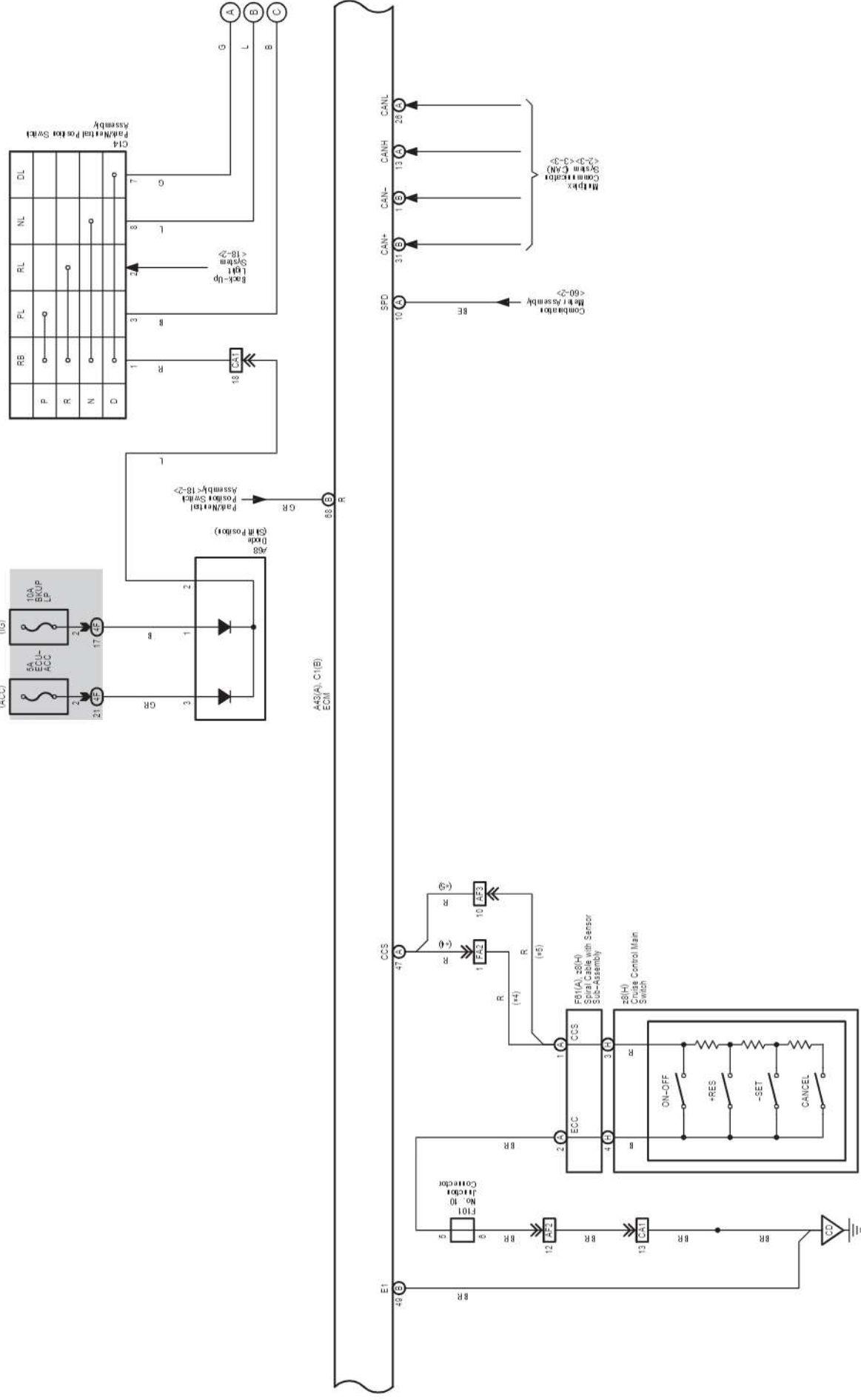


Engine Control (2GR-FE)



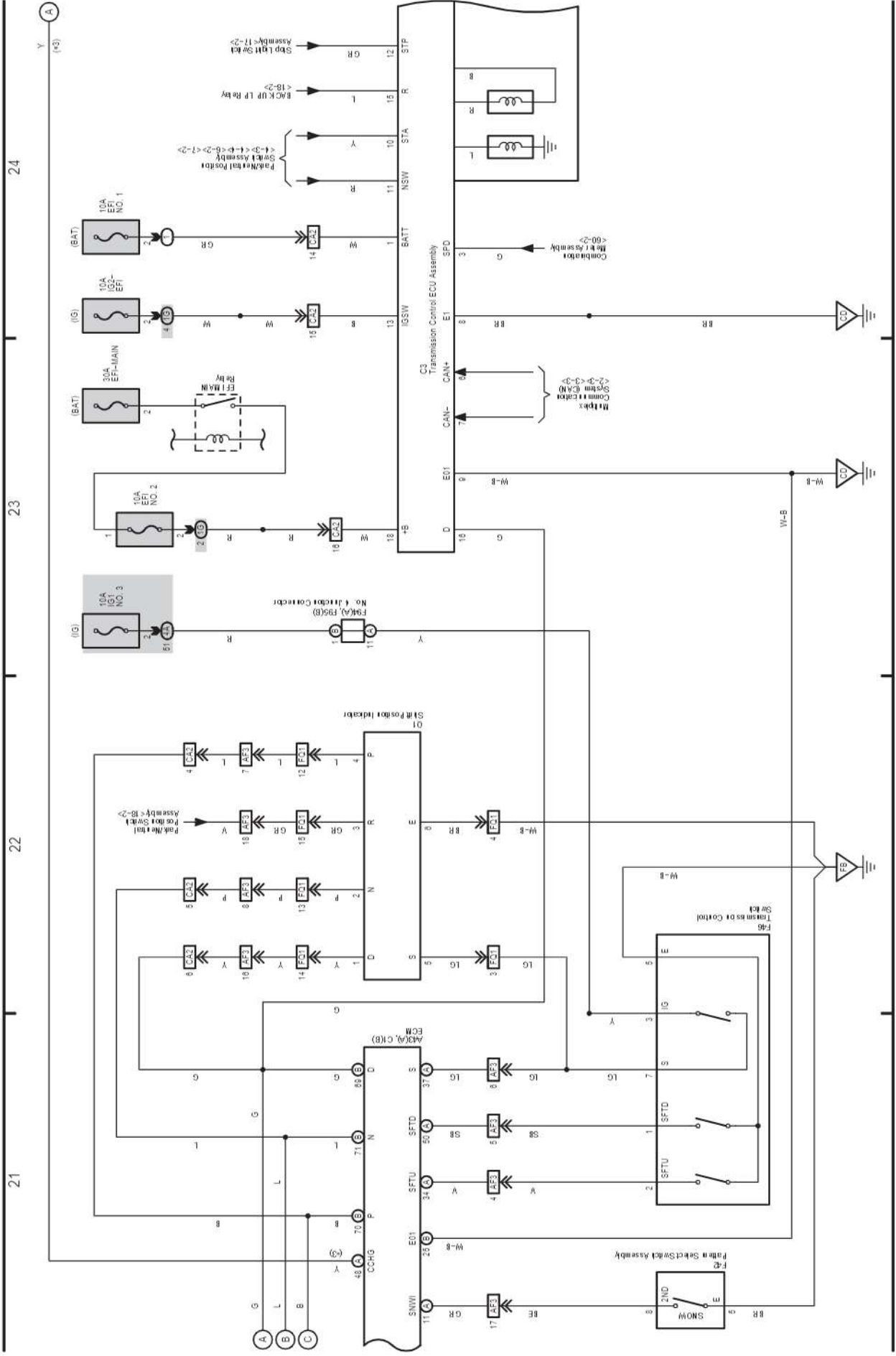
ECT and A/T Indicator (2GR-FE)

20



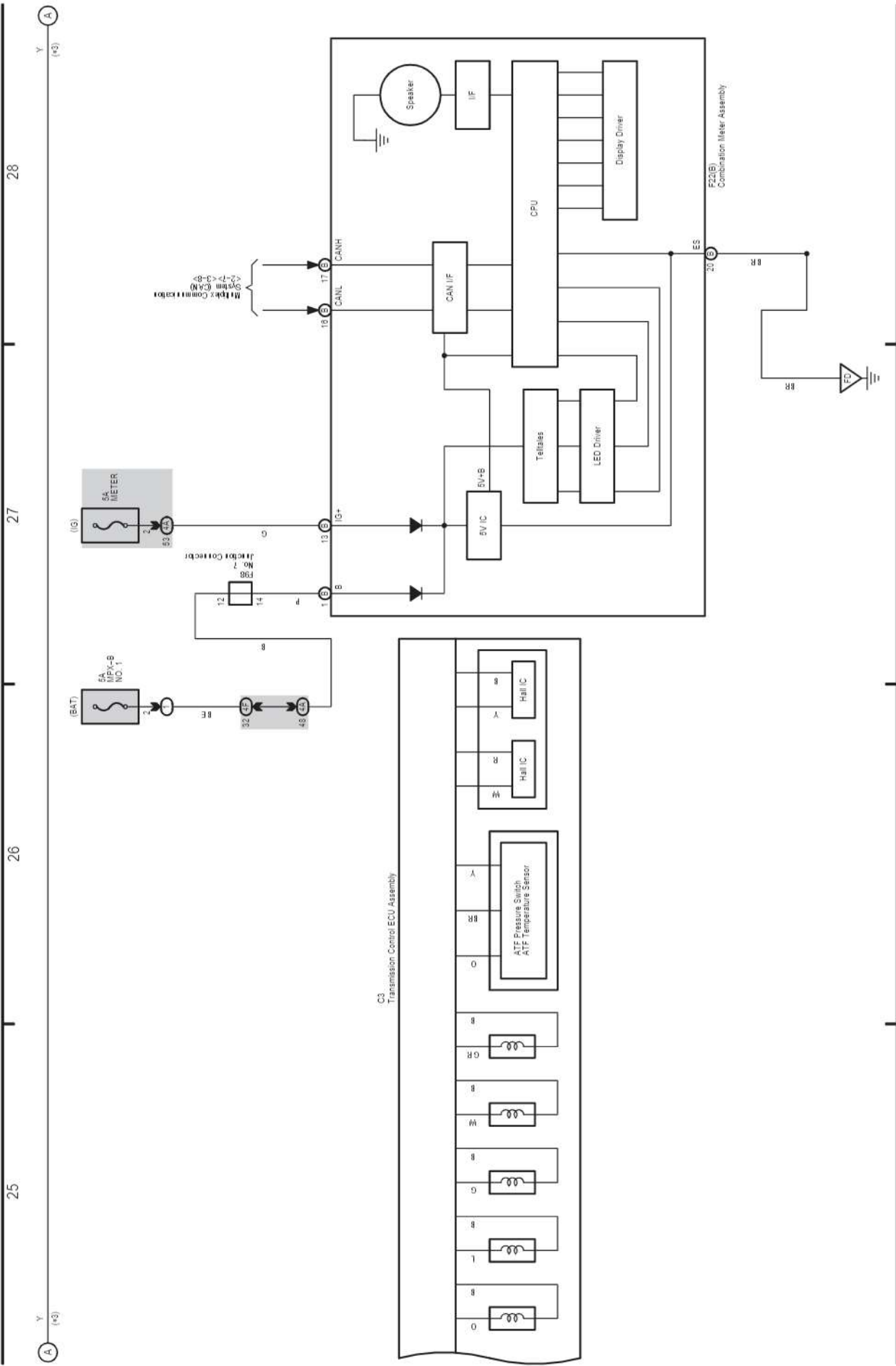
ECT and A/T Indicator (2GR-FE)

* 3 - w/ Dynamic Radar Cruise Control



ECT and A/T Indicator (2GR-FE)

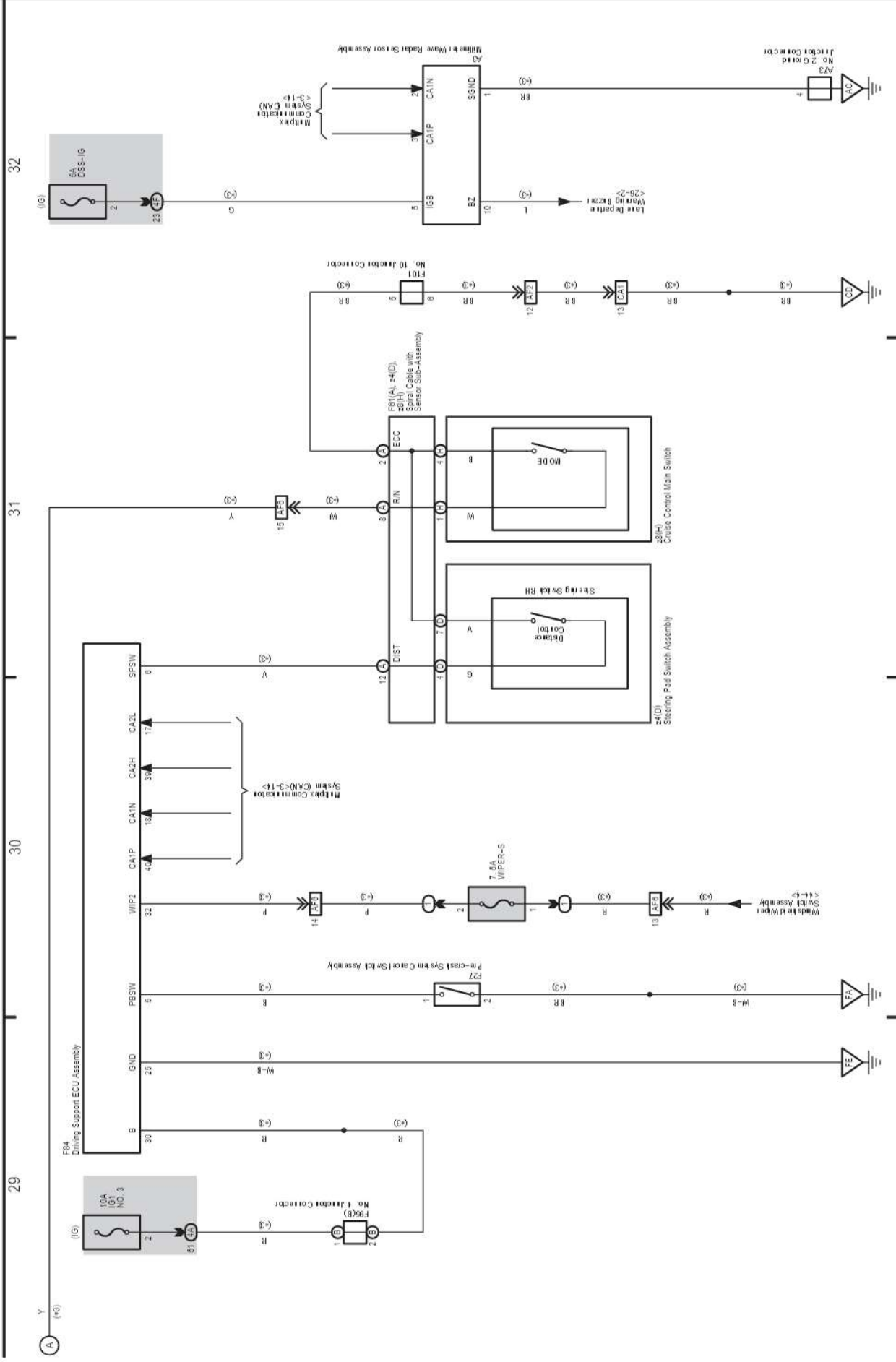
* 3-wire Dynamic Radar Cruise Control



11 HIGHLANDER / KLUGER (Cont' d)

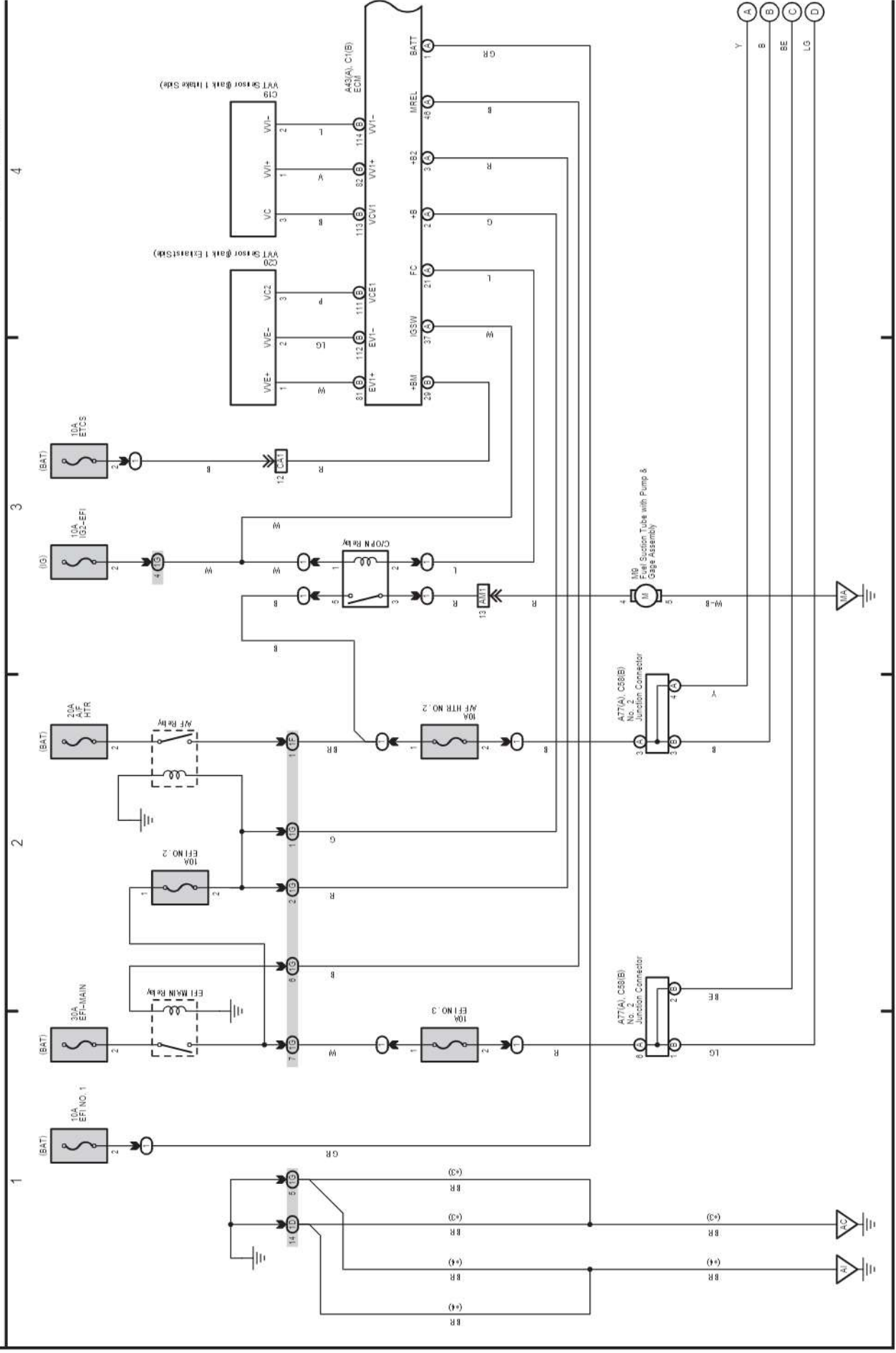
Dynamic Radar Cruise Control (Before Nov. 2016 Production),
Pre-Crash Safety System (Before Nov. 2016 Production)

* 3-wire Dynamic Radar Cruise Control



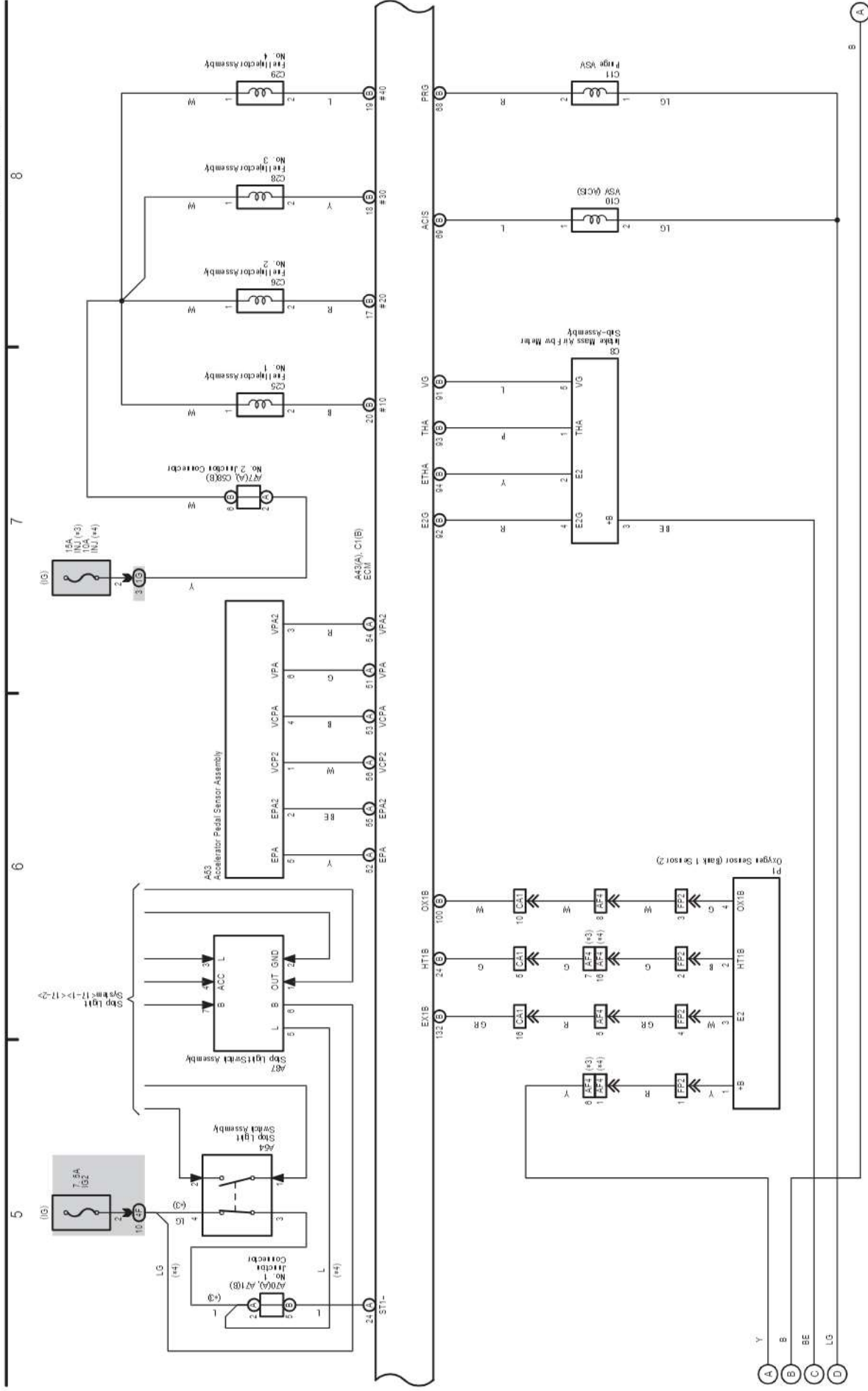
Engine Control (1AR-FE)

3 : Before Nov. 2018 Production
4 : From Nov. 2018 Production



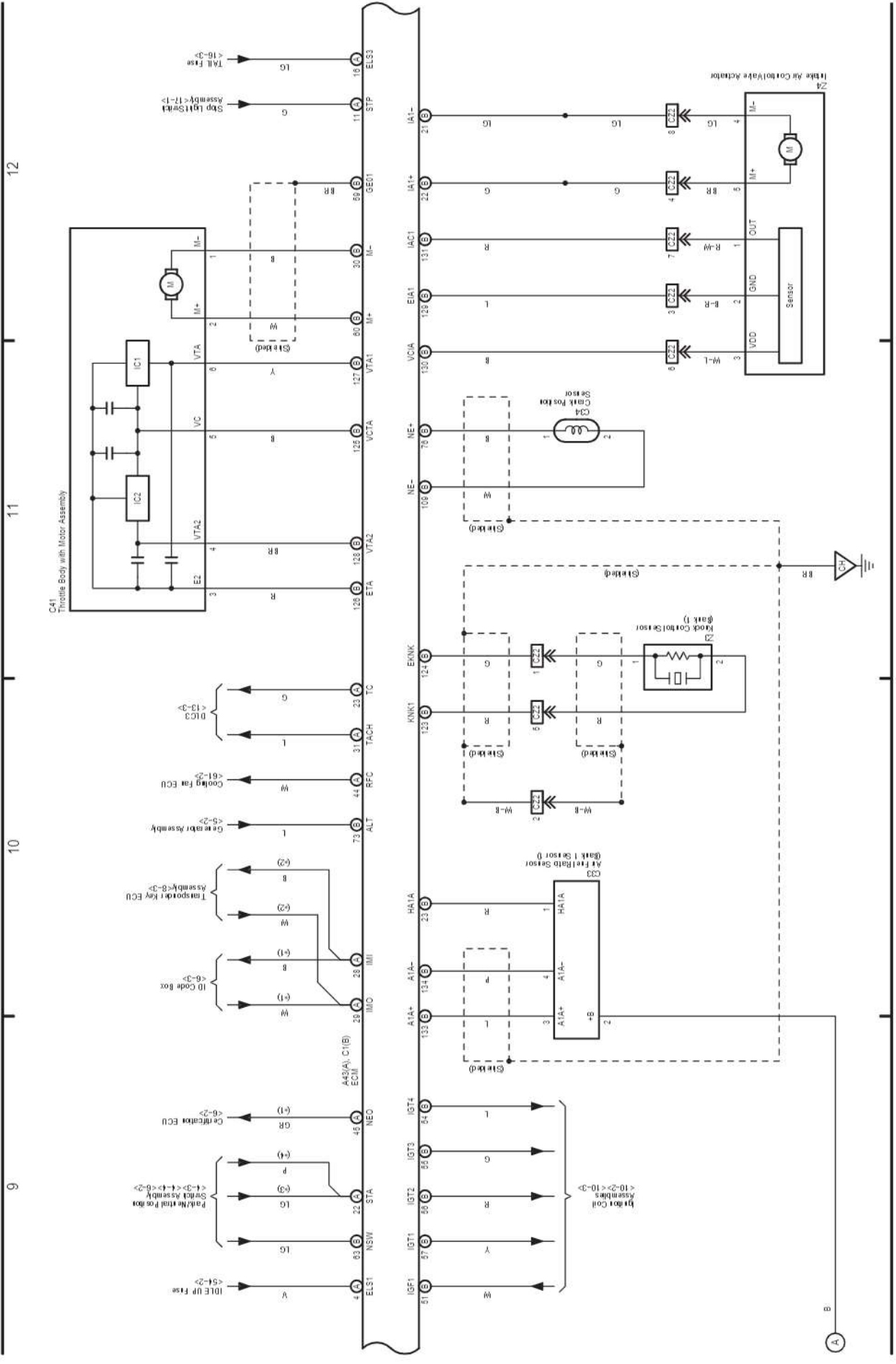
Engine Control (1AR-FE)

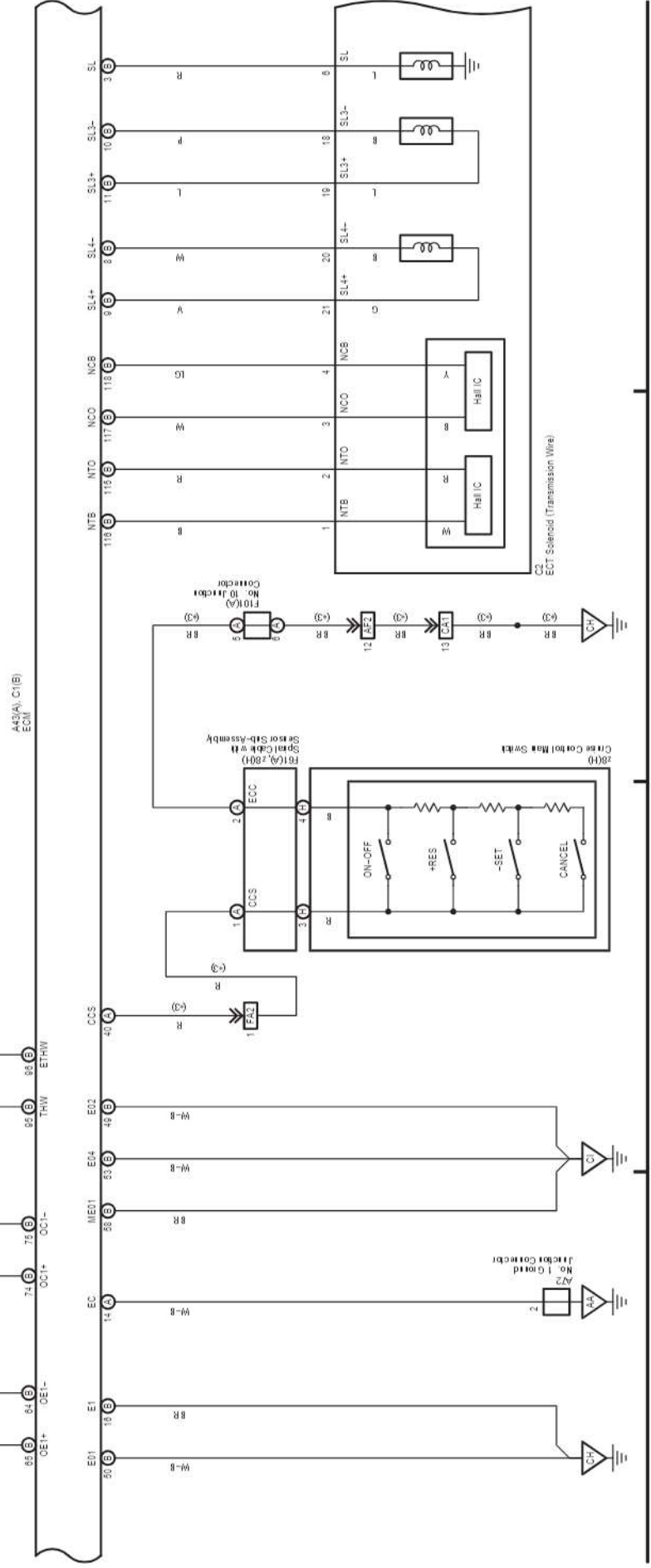
* 3 : Before Nov. 2018 Production
* 4 : From Nov. 2018 Production



- * 1 : w/ Smart Entry & Start System
- * 2 : w/o Smart Entry & Start System
- * 3 : Before Nov. 2018 Production
- * 4 : From Nov. 2018 Production

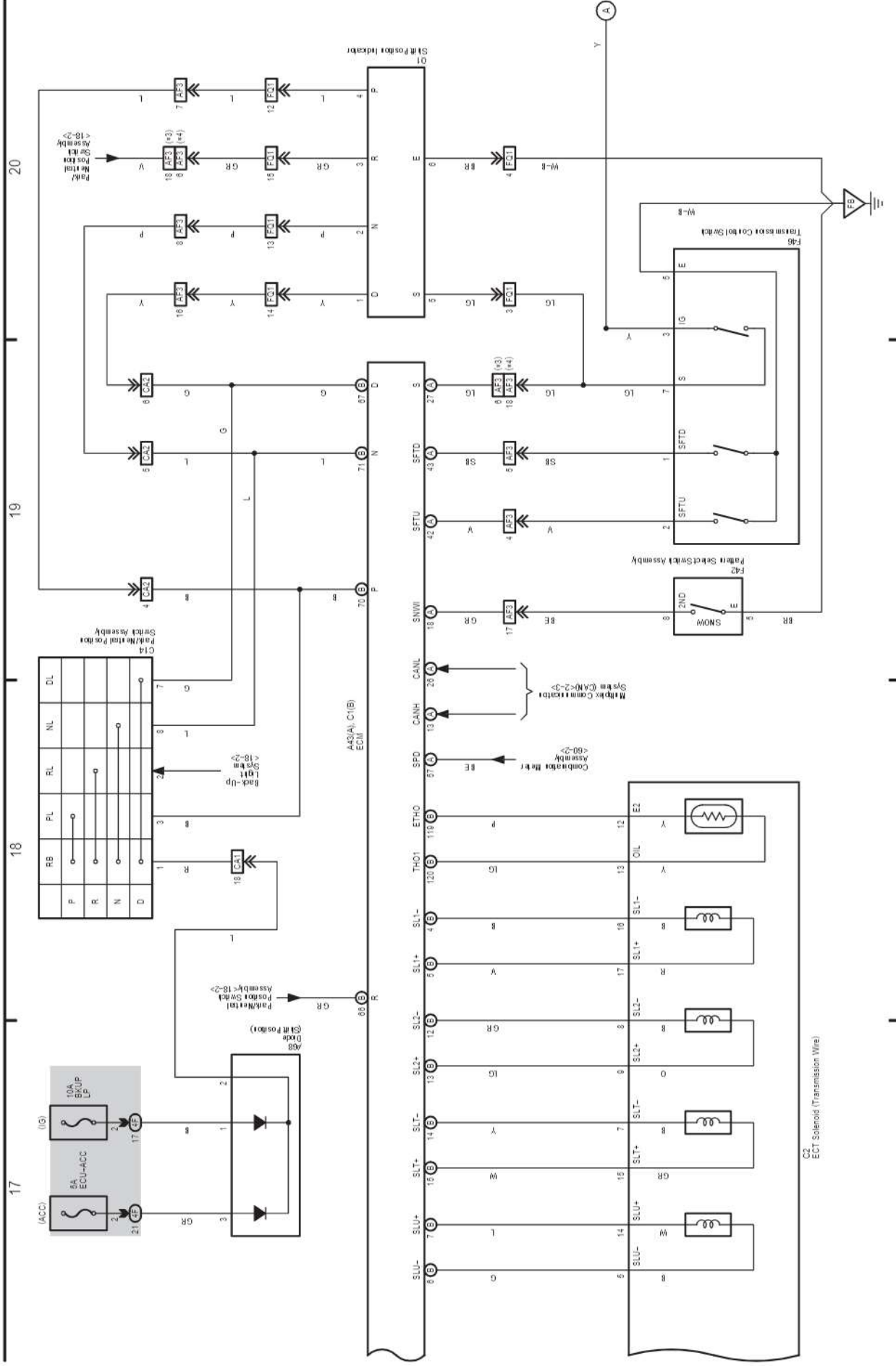
Engine Control (1AR-FE)

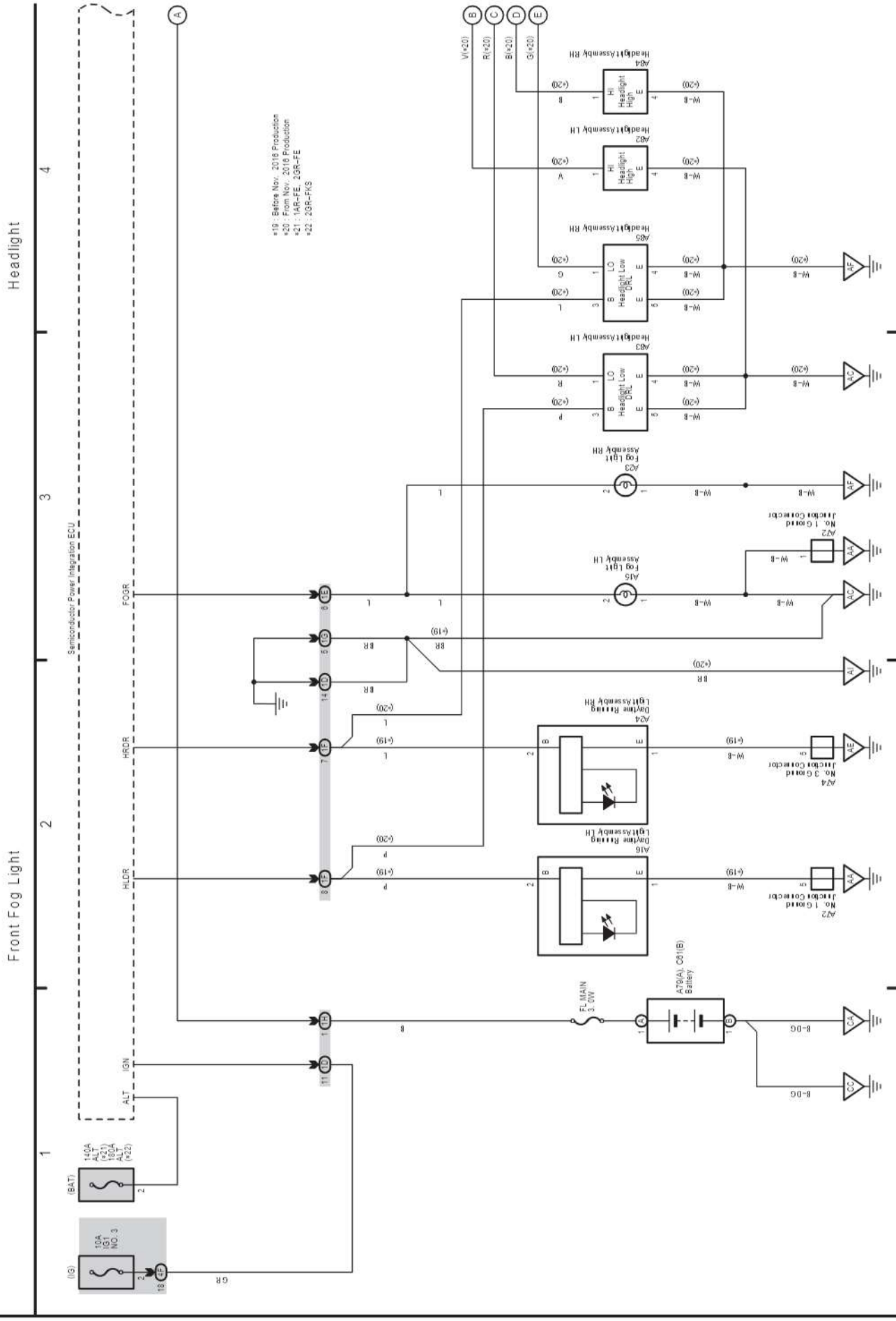




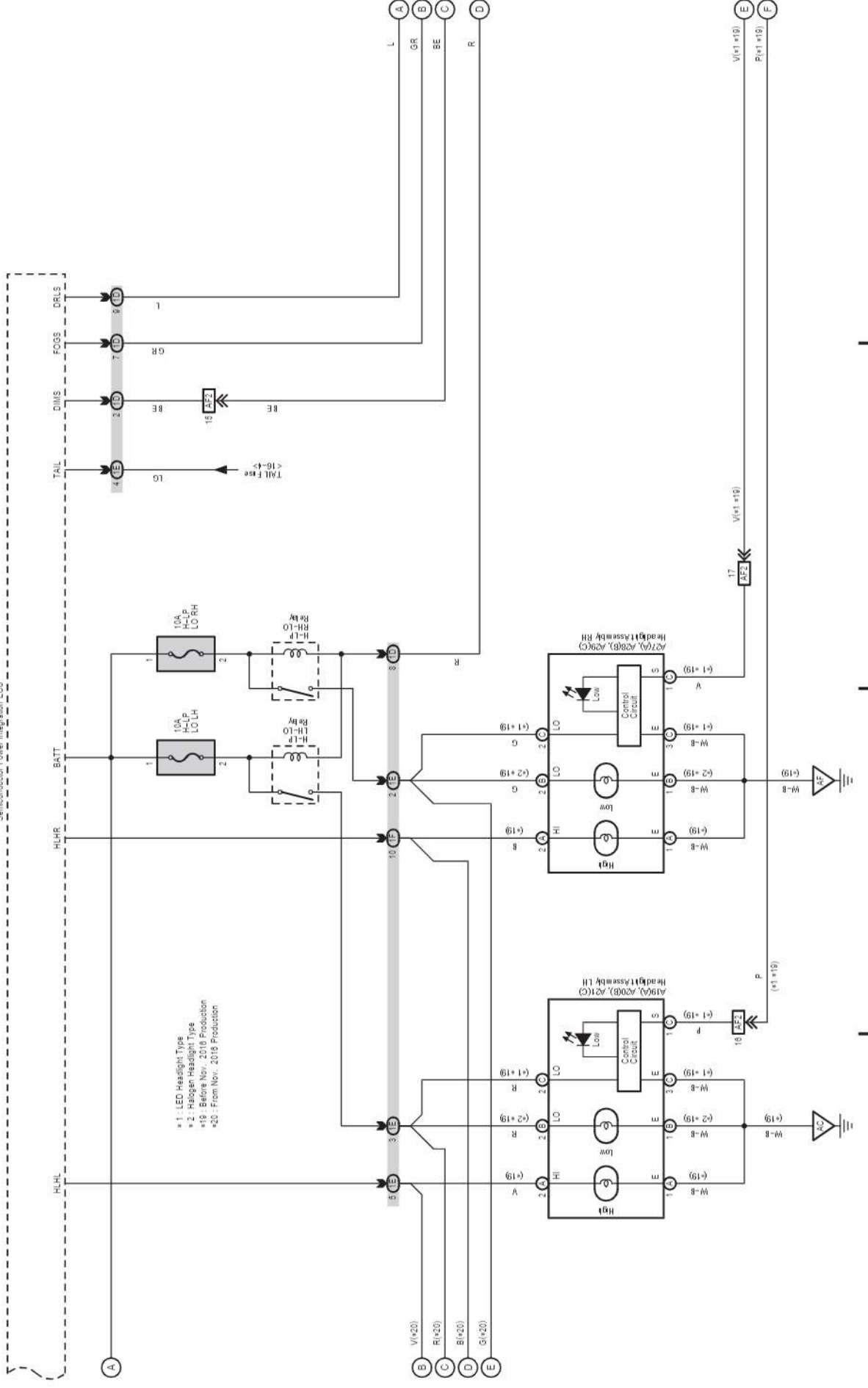
ECT and A/T Indicator (1AR-FE)

* 3 : Before Nov. 2016 Production
* 4 : From Nov. 2016 Production

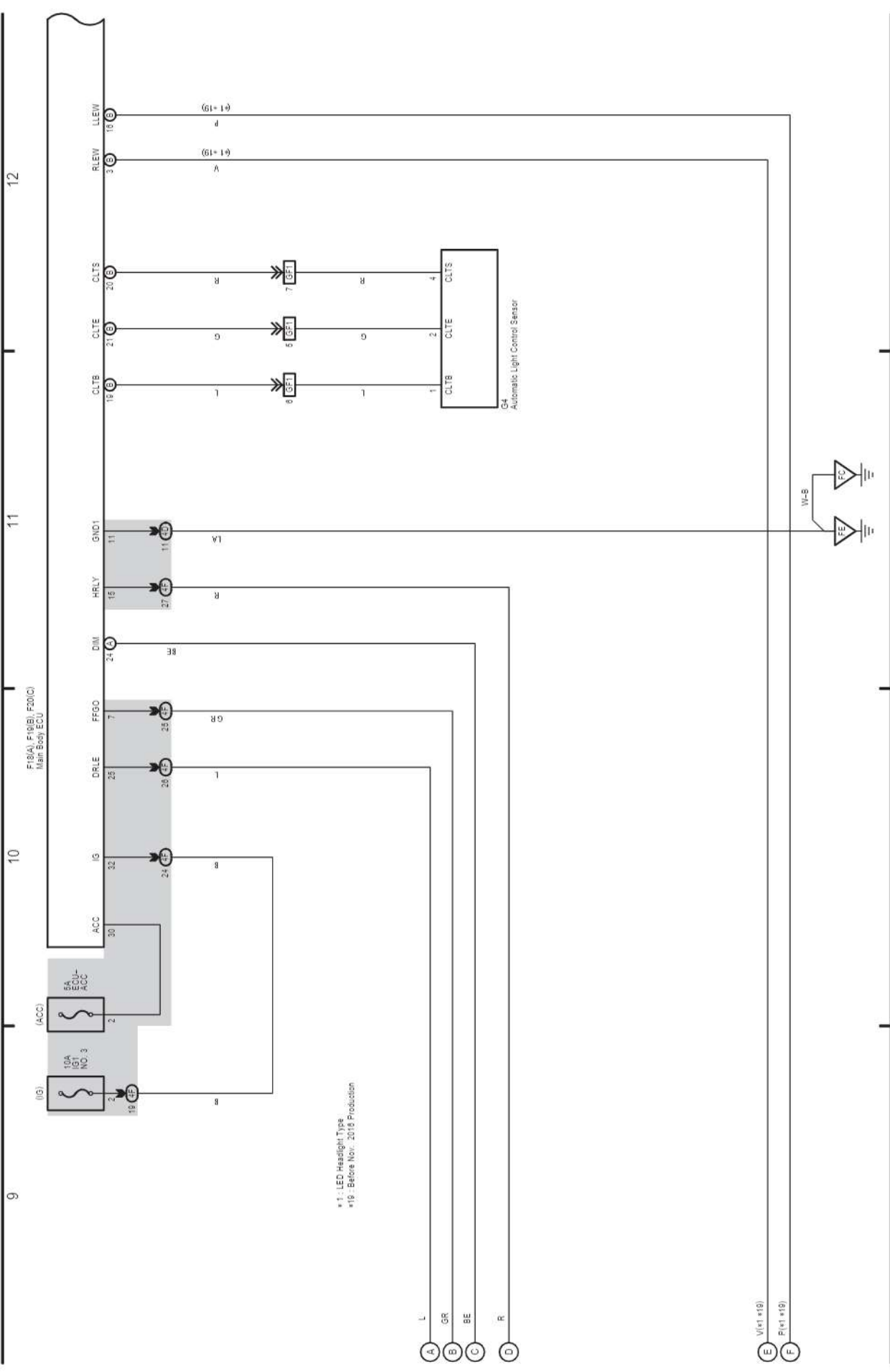




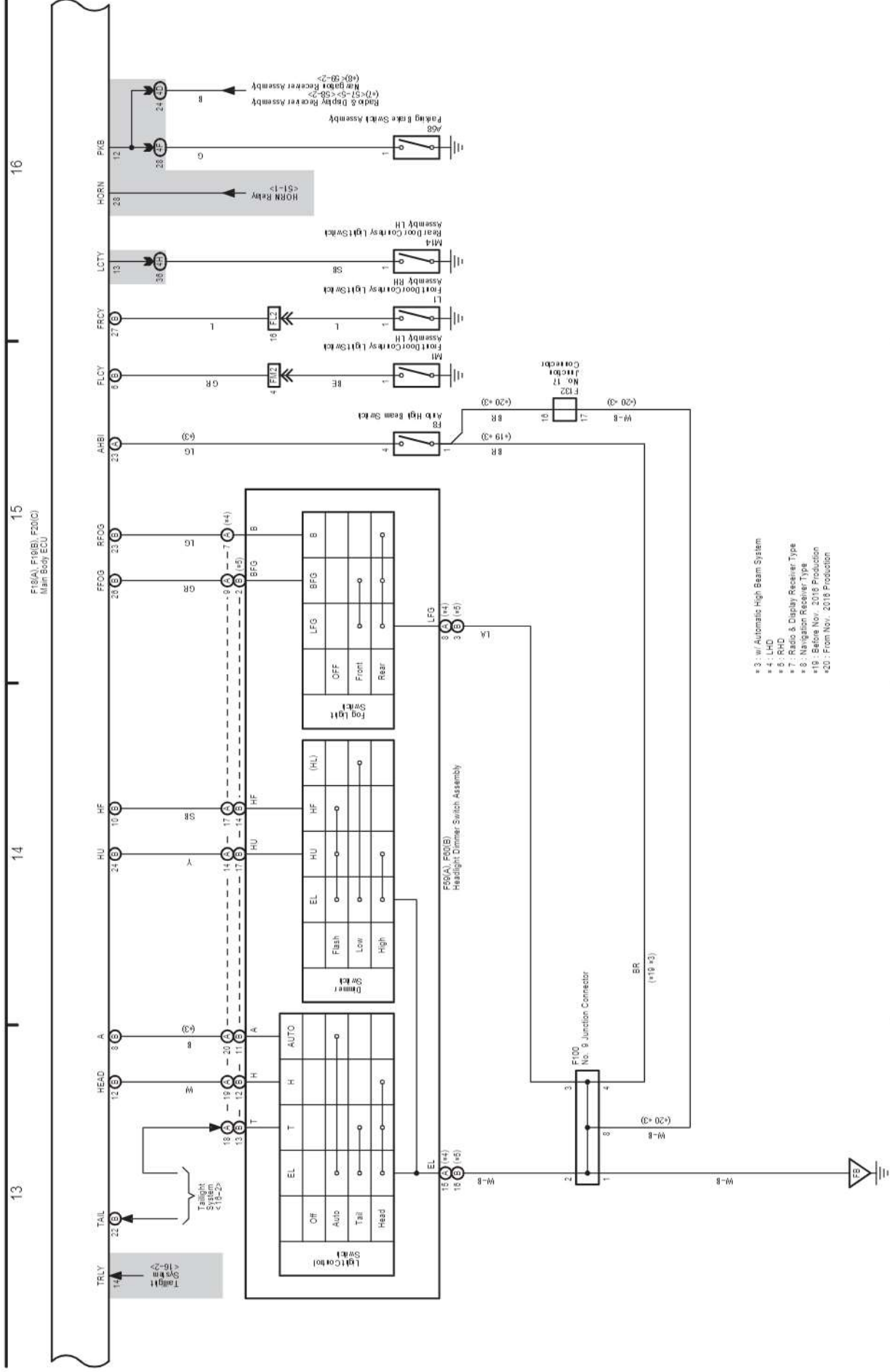
5



12



Automatic Light Control, Light Auto Turn Off System



*4 : LHD
*12 : w/o Smart Entry & Start System
*22 : 2GR-FKS
*23 : Except 2GR-FKS

Rear Fog Light

Interior Light

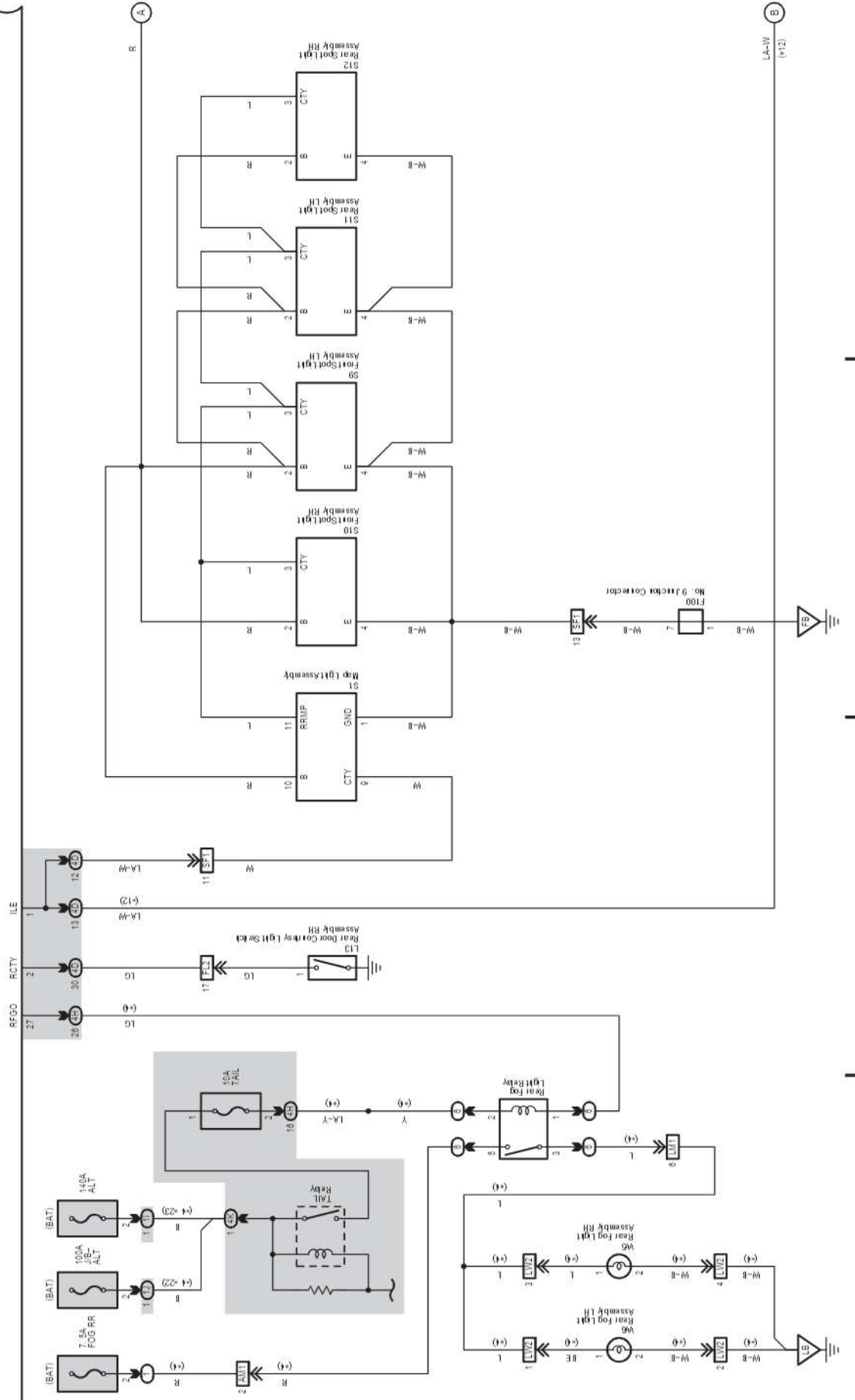
17

18

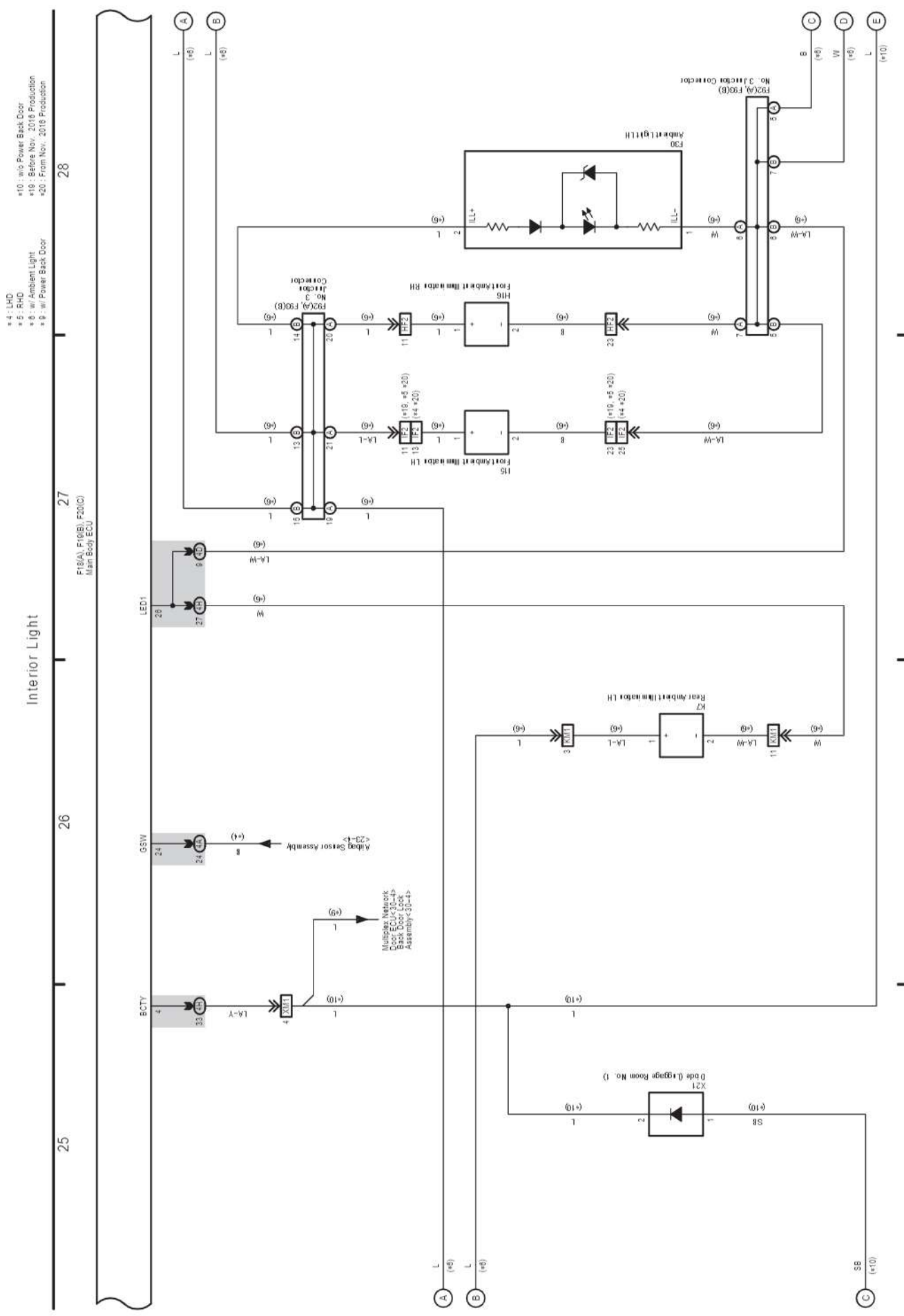
19

20

F15(A) F10(B) F20(C)
Main Body ECU



28



Interior Light

29

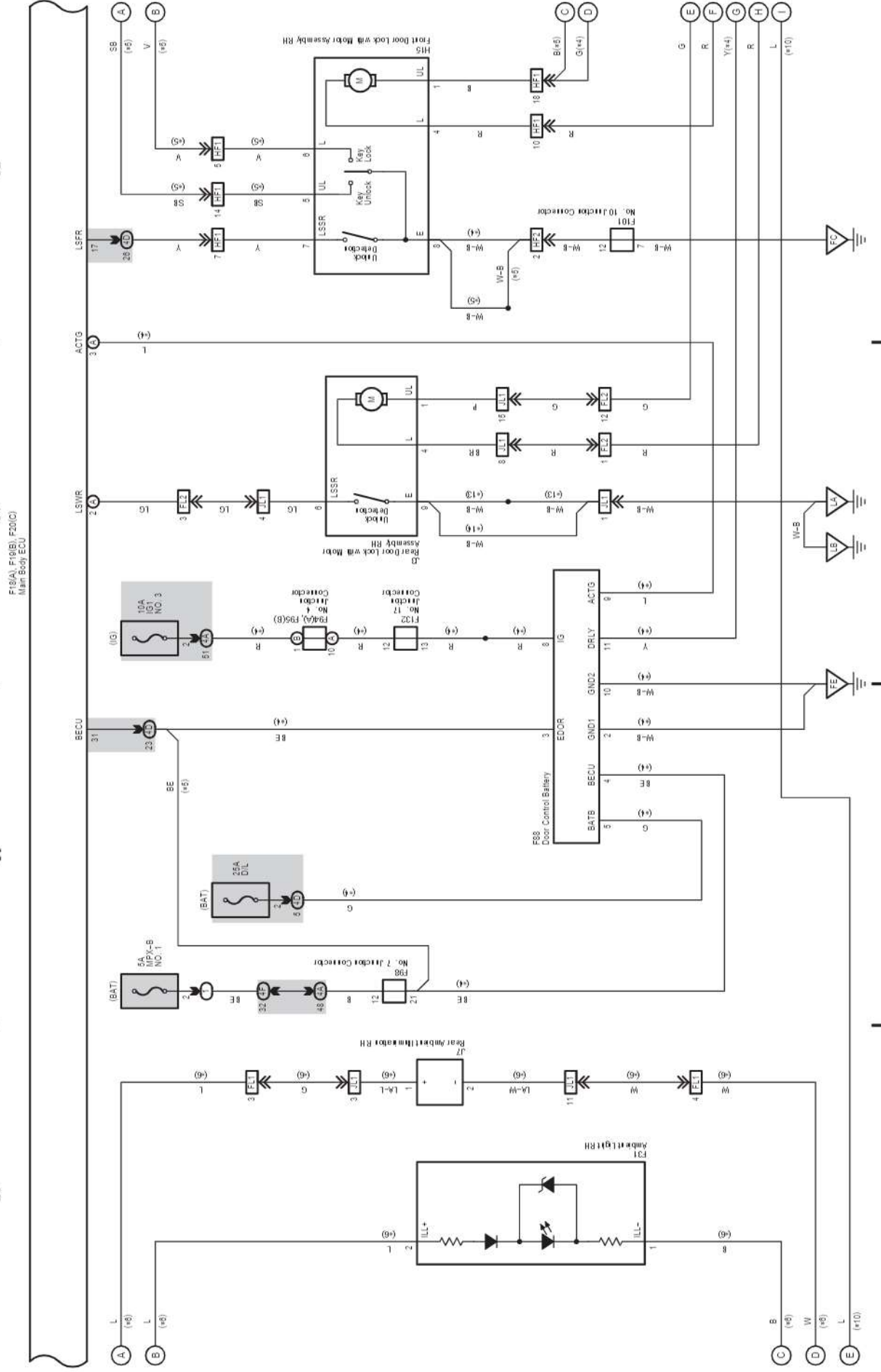
Door Lock Control

30

31

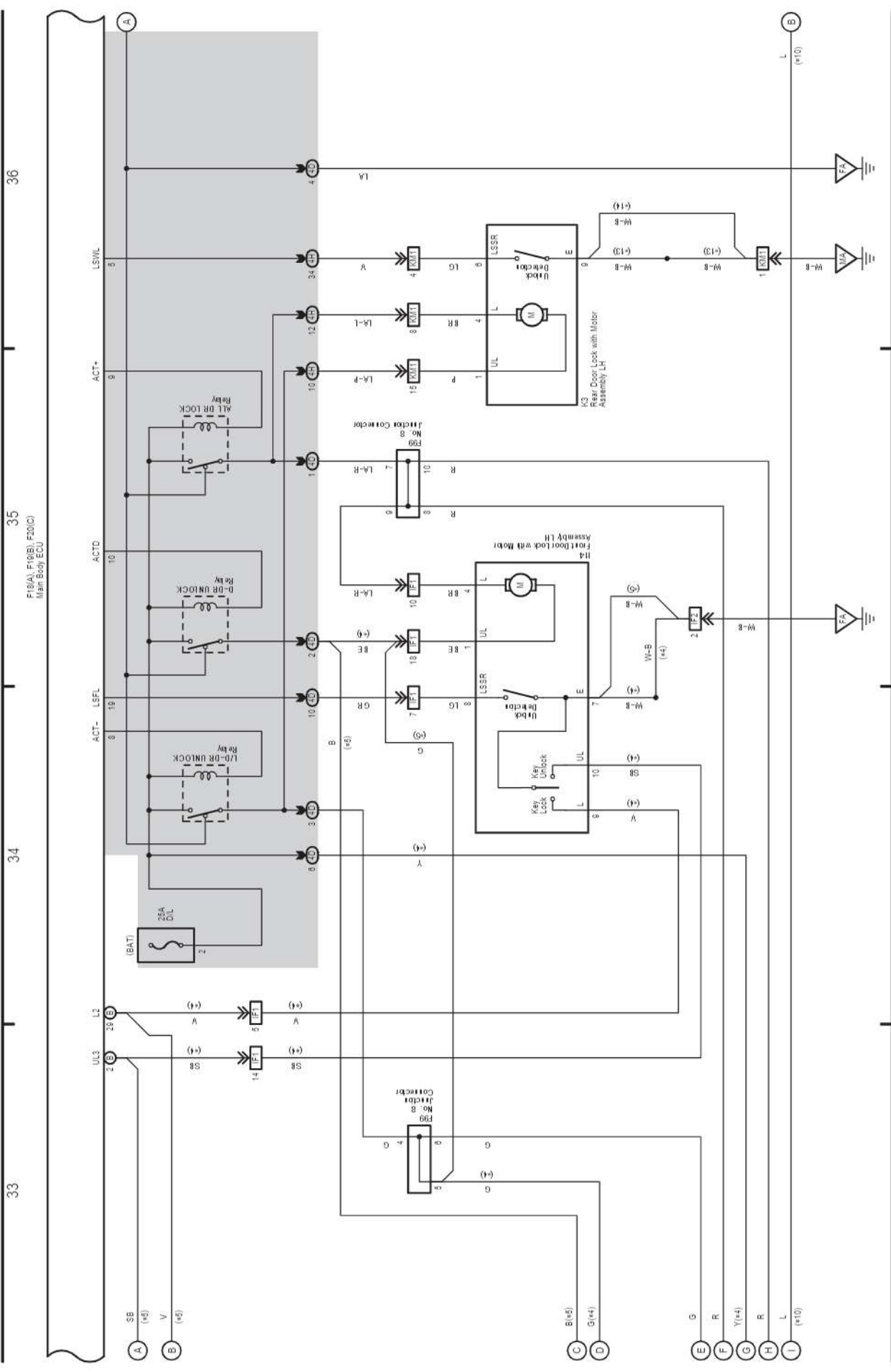
32

- *4 : LHD
- *6 : RHD
- *8 : w/ Ambient Light
- *10 : w/o Power Back Door
- *13 : w/ Rear Power Window Jam Protection
- *14 : w/o Rear Power Window Jam Protection



- * 4 : LHD
- * 5 : RHD
- * 10 : w/o Power Back Door
- * 13 : w/ Rear Power Window Jam Protection
- * 14 : w/o Rear Power Window Jam Protection

Door Lock Control



Back Door Opener
(w/o Smart Entry
& Start System)

Door Lock Control

37

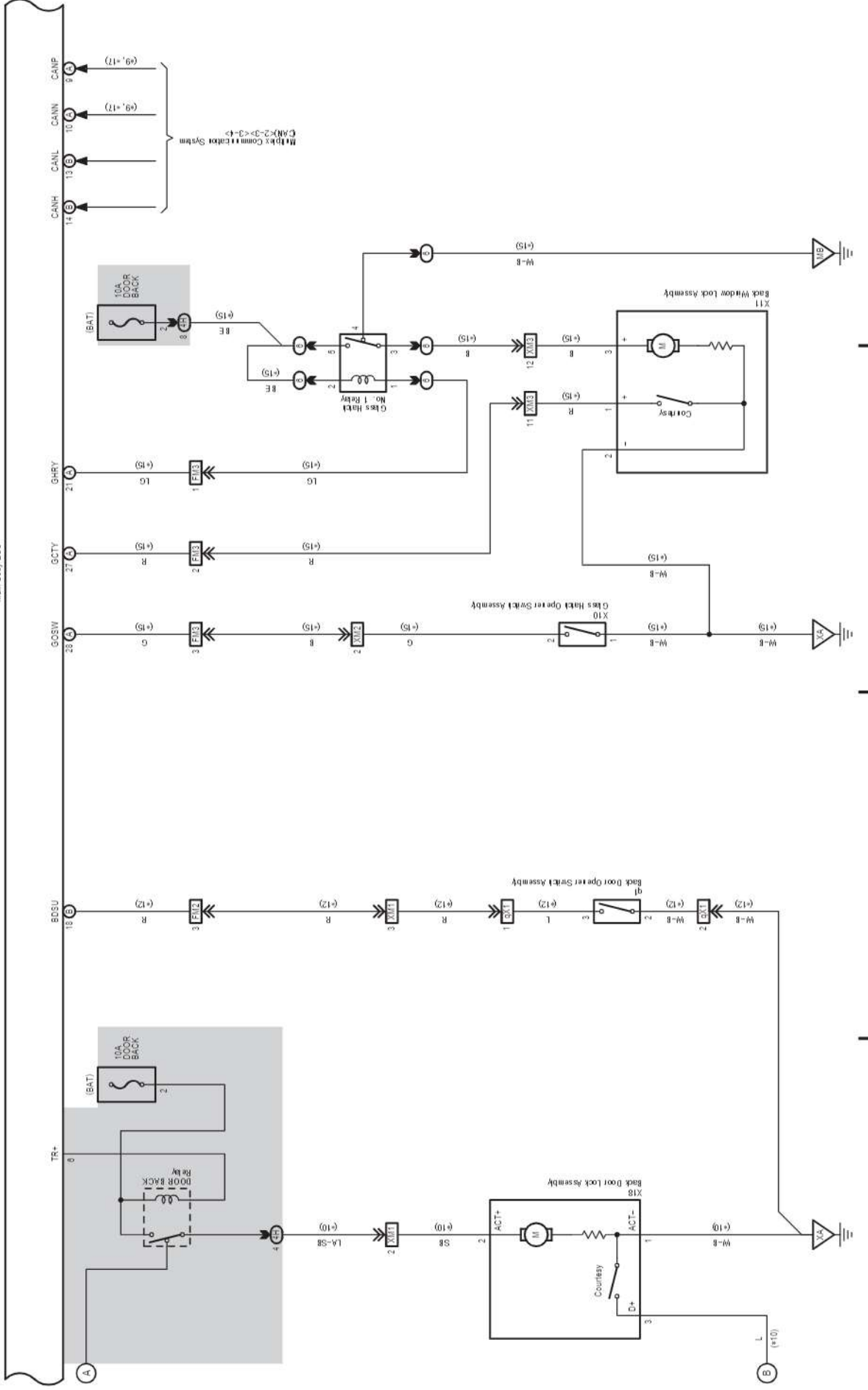
38

39

40

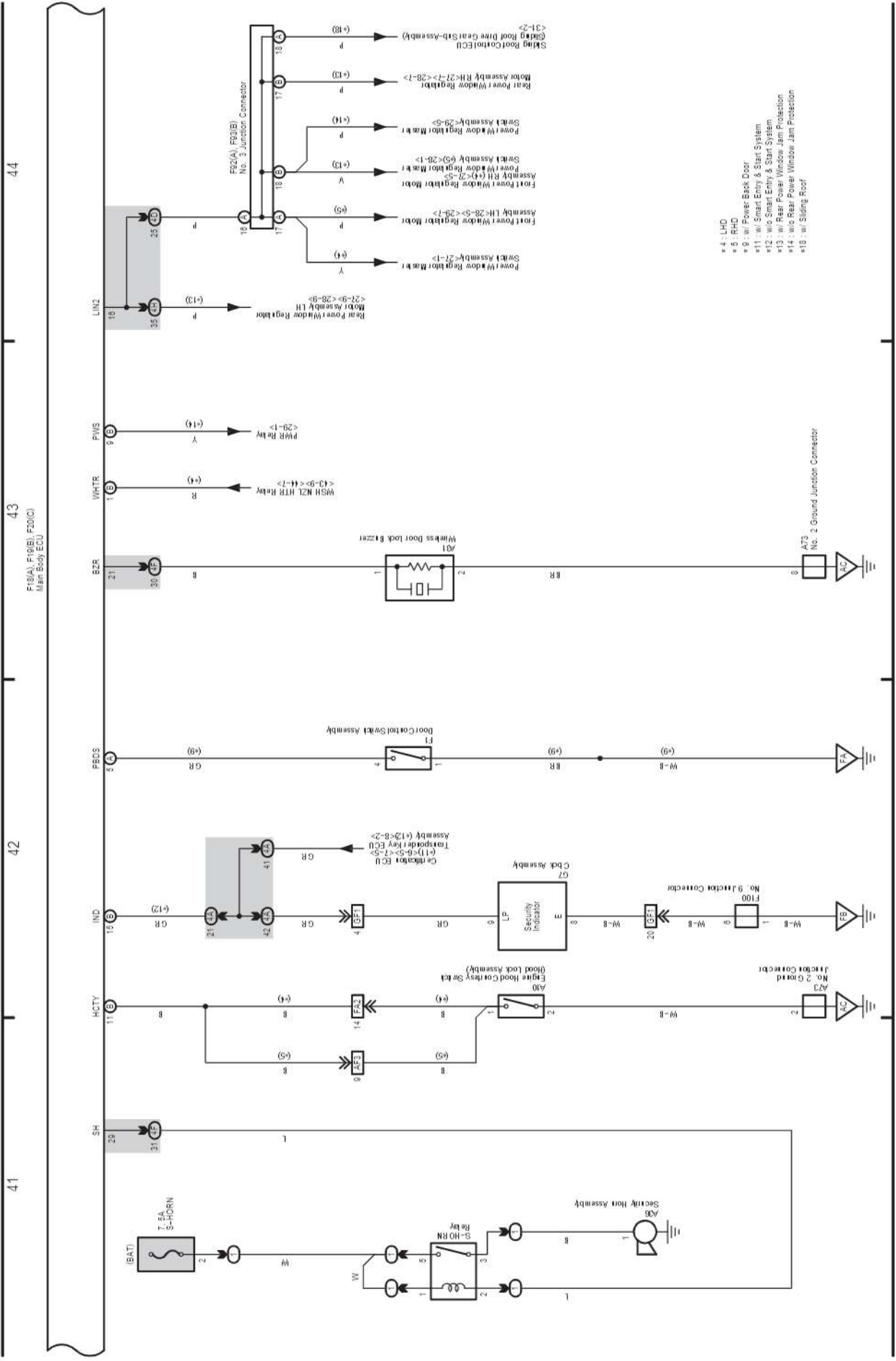
- *9 : w/ Power Back Door
- *10 : w/o Power Back Door
- *12 : w/o Smart Entry & Start System
- *15 : w/ Glass Hatch Opener
- *17 : w/ Seat Position Memory

F15(A) F10(B) F20(C)
Main Body ECU



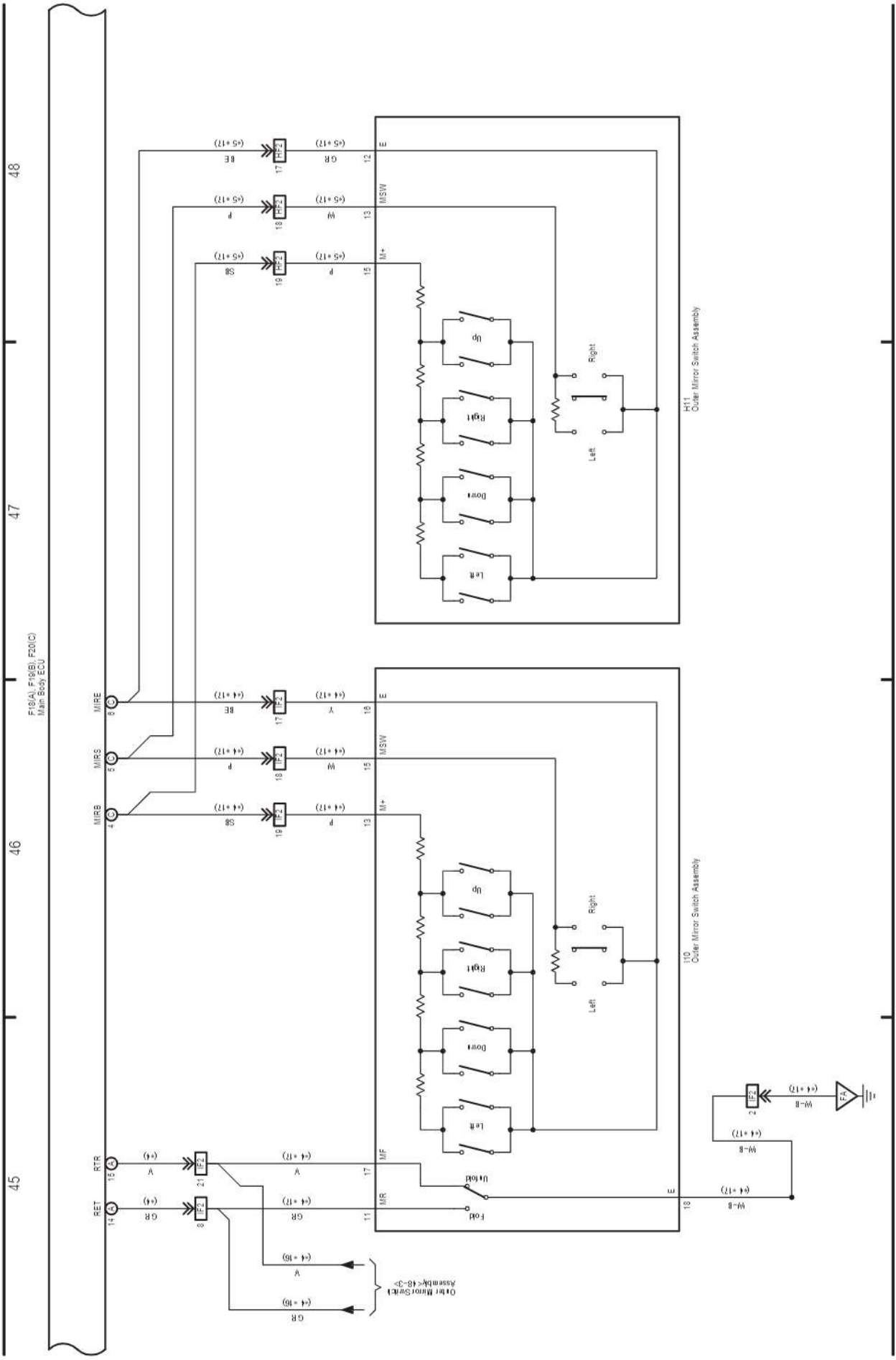
Theft Deterrent

Wireless Door Lock Control
(w/o Smart Entry & Start System)

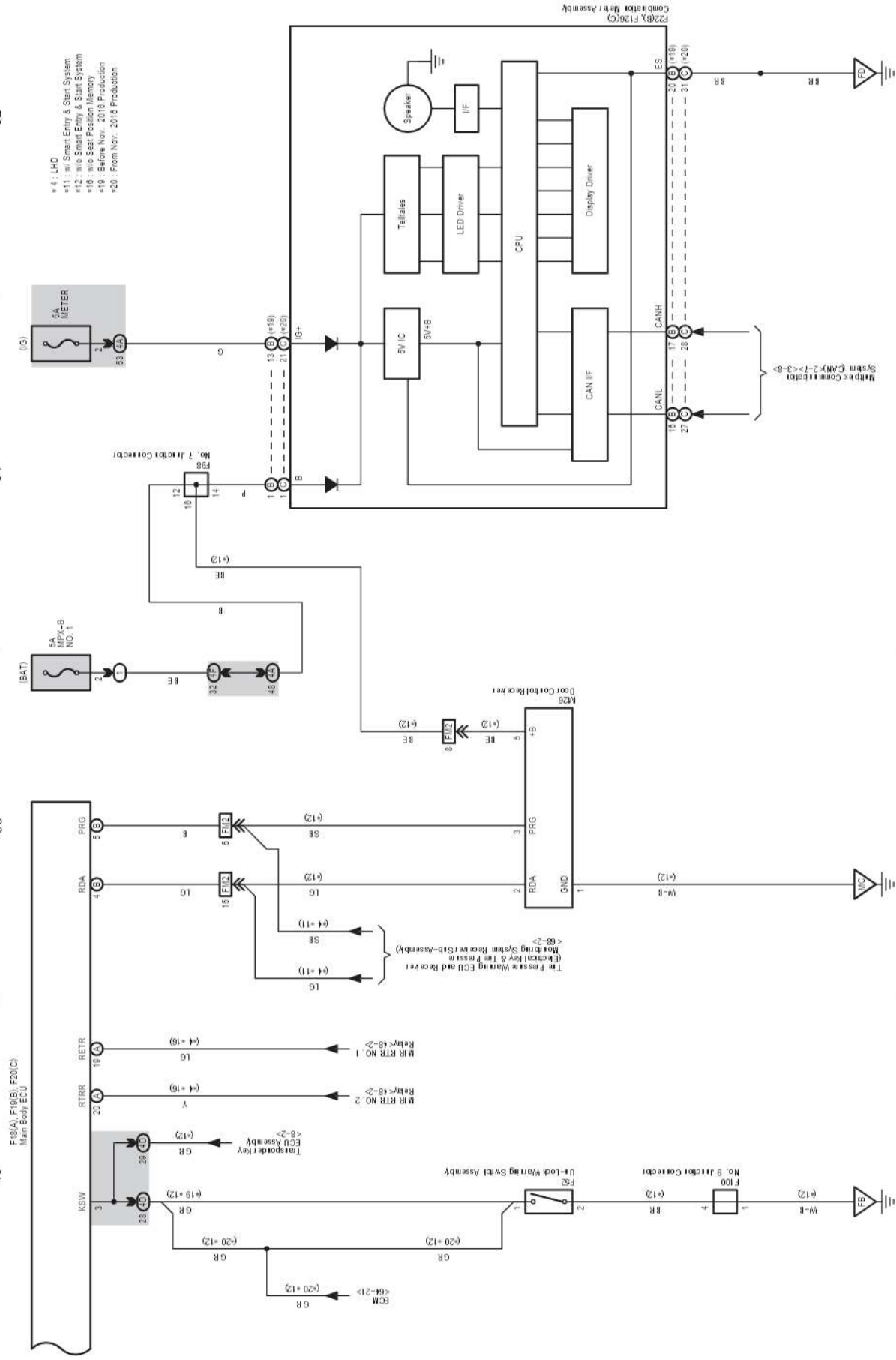


- * 5 : RHD
- *16 : w/o Seat Position Memory
- *17 : w/ Seat Position Memory

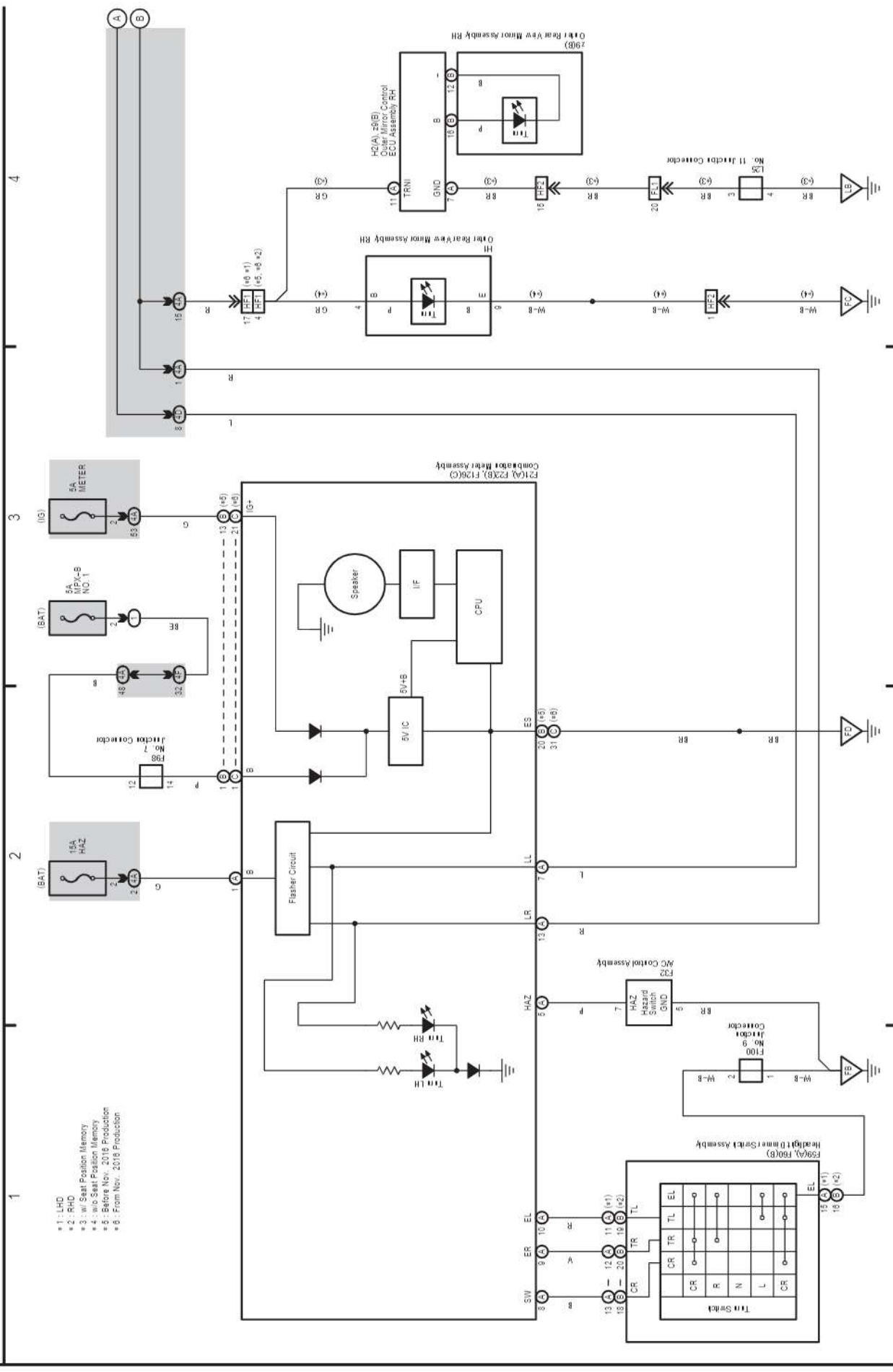
- * 4 : LHD
- * 5 : RHD
- * 16 : w/o Seat Position Memory
- * 17 : w/ Seat Position Memory



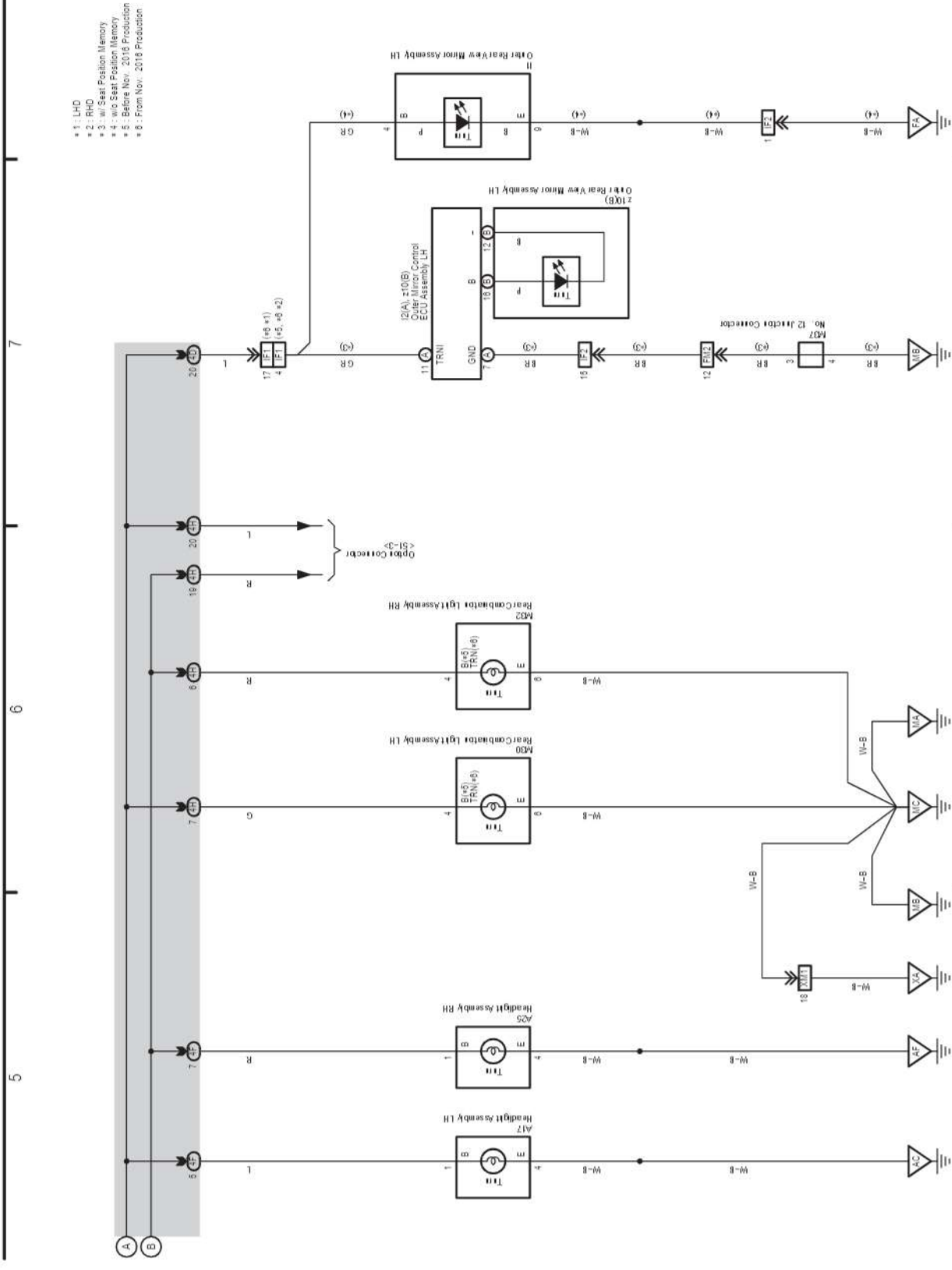
50

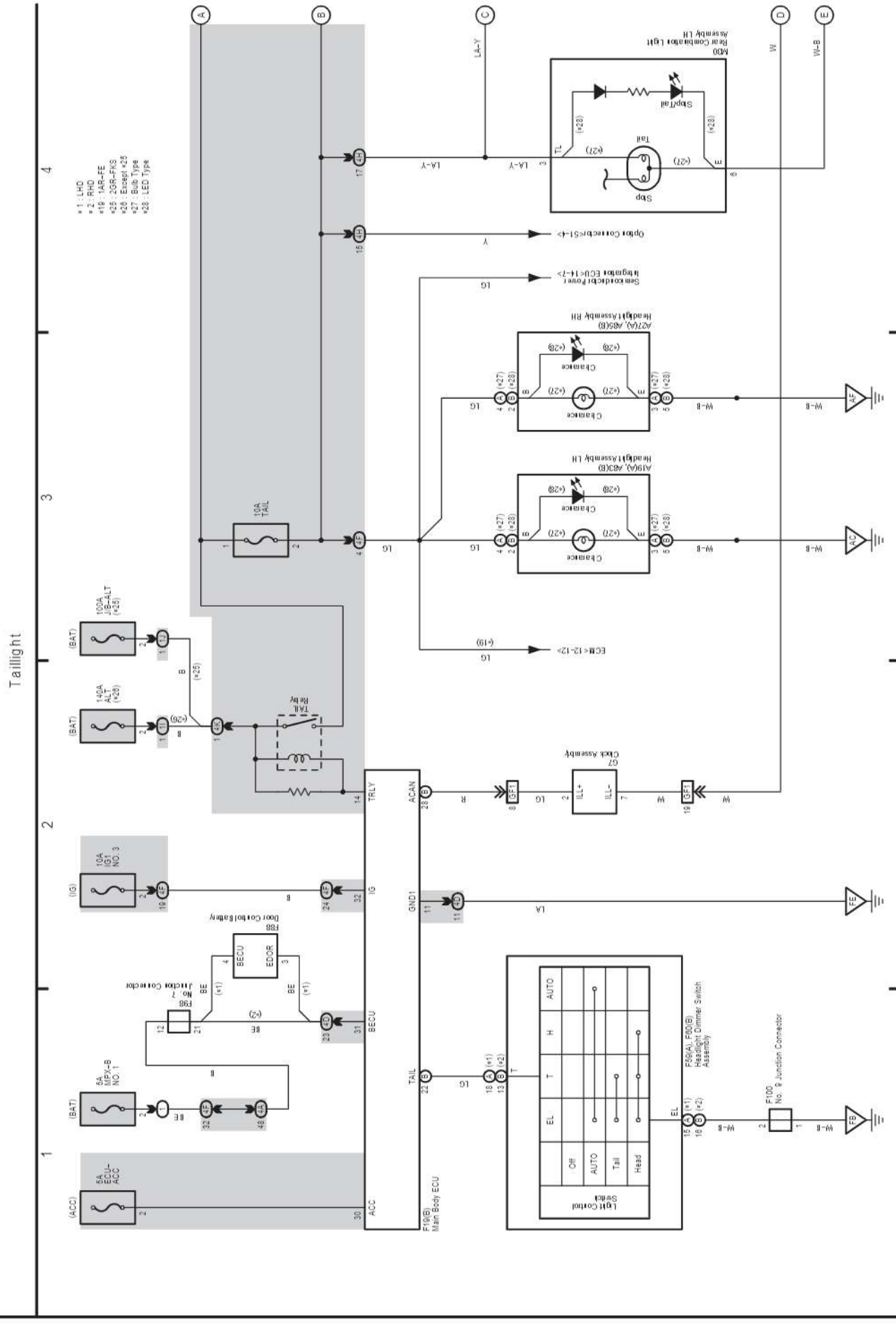


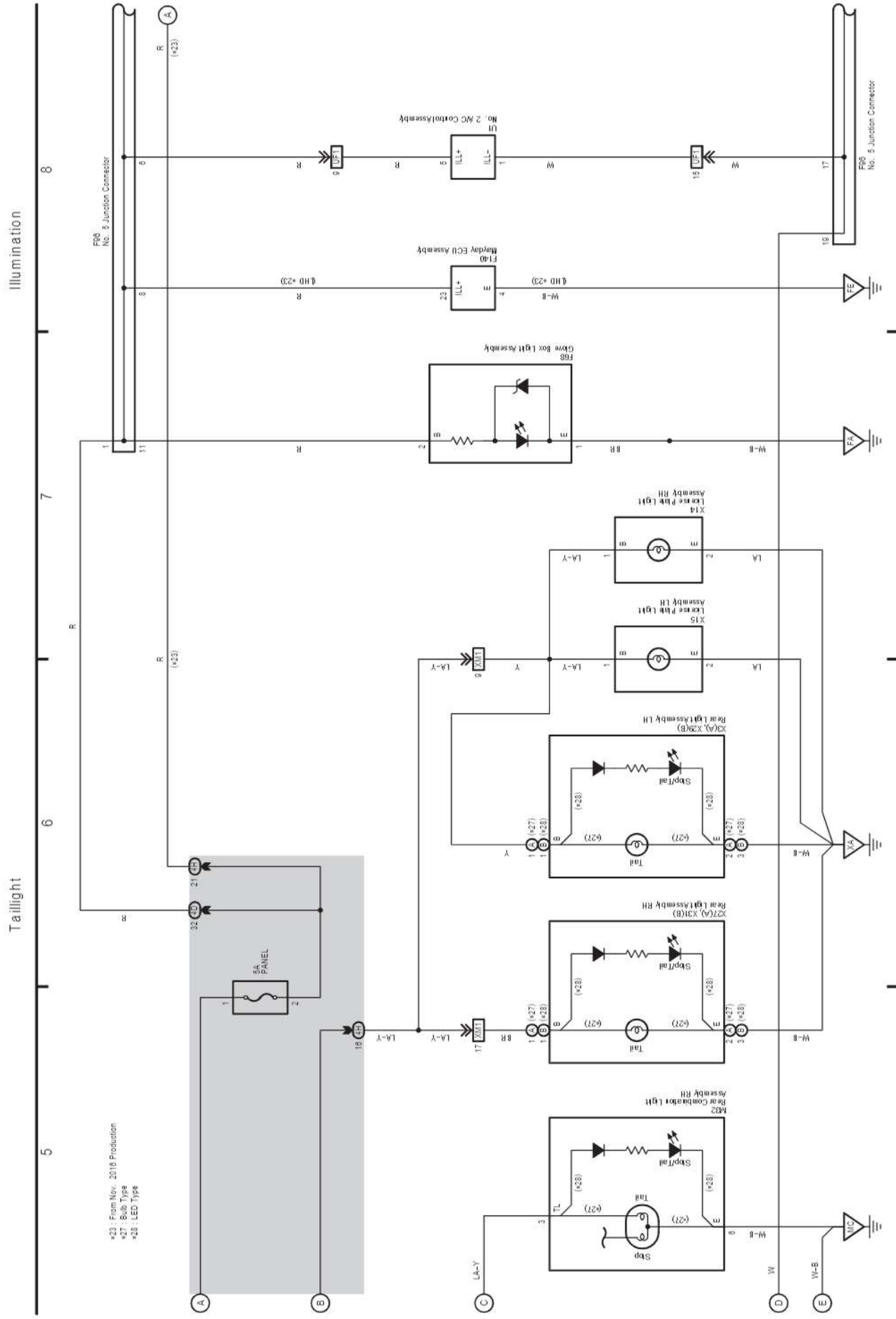
4



Turn Signal and Hazard Warning Light







- *1 : LHD
- *3 : w/ Seat Position Memory
- *4 : w/ Rear Power Window Jam Protection
- *5 : w/o Rear Power Window Jam Protection
- *13 : w/o Seat Position Memory
- *22 : Before Nov. 2016 Production
- *23 : From Nov. 2016 Production

Illumination

12

11

10

9

Fig8
No. 8 Junction Connector

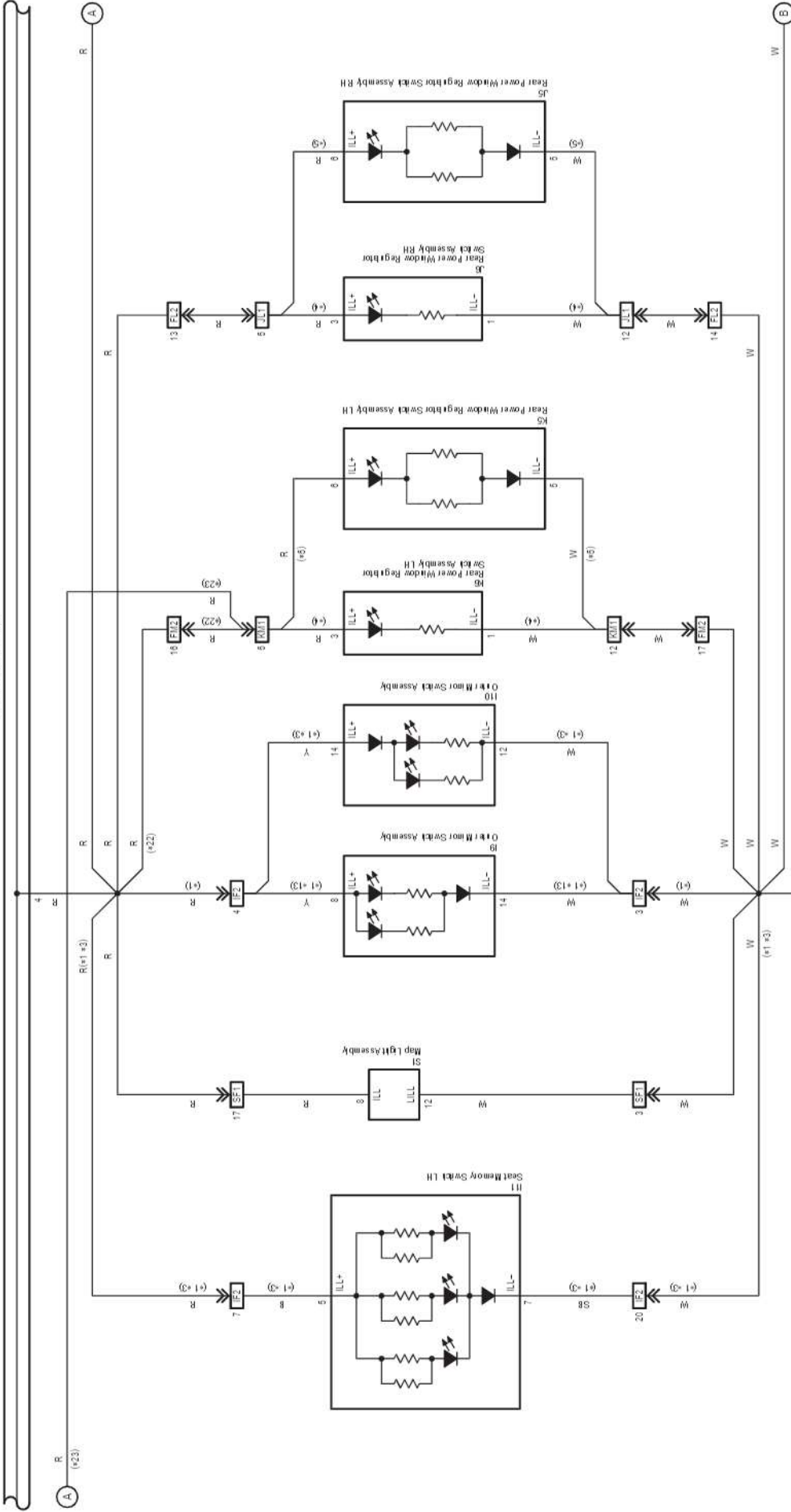


Fig8
No. 8 Junction Connector

Illumination

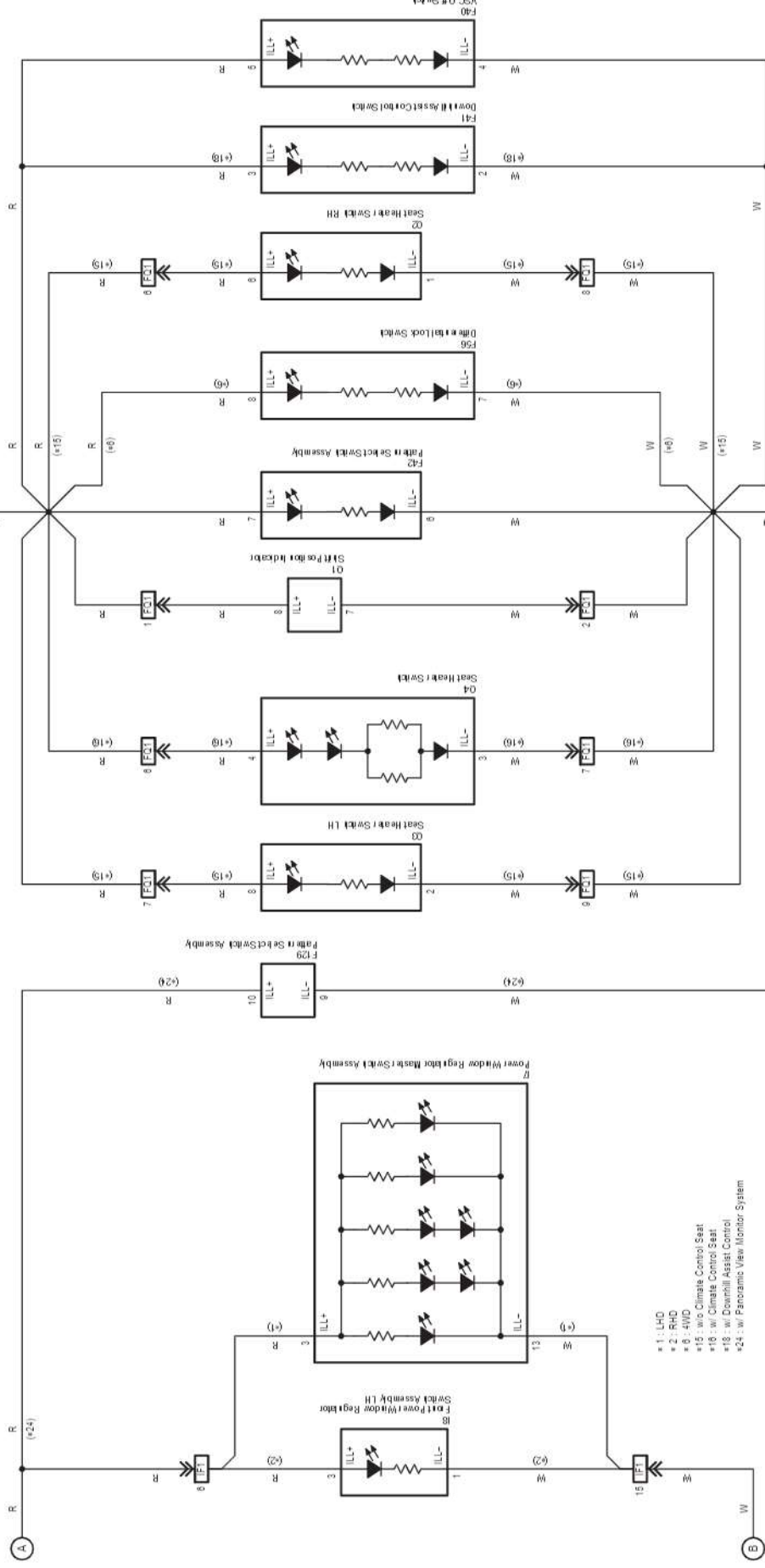
17

18

19

20

F508
No. 5 Junction Connector



F509
No. 5 Junction Connector

21

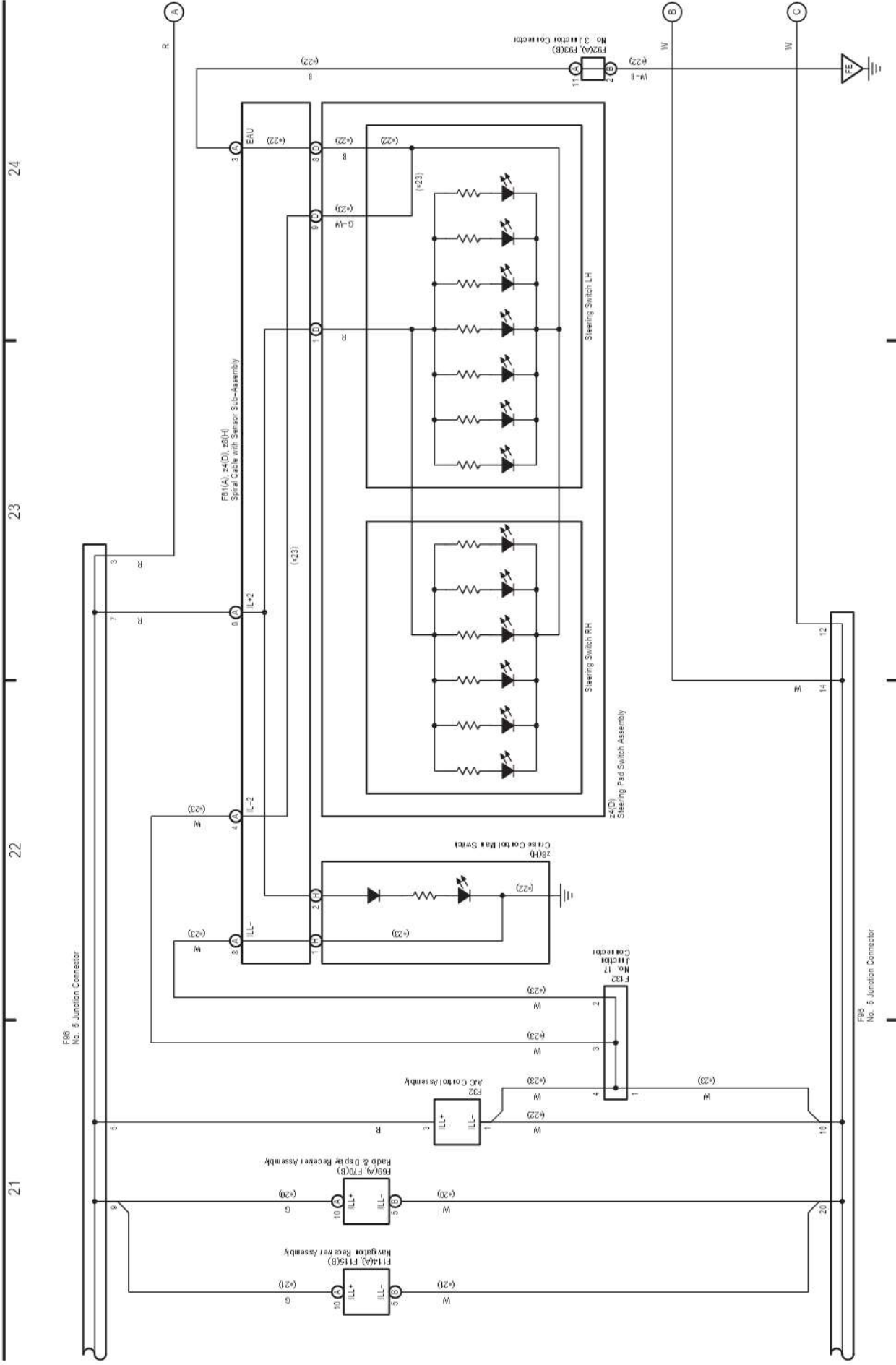
22

23

24

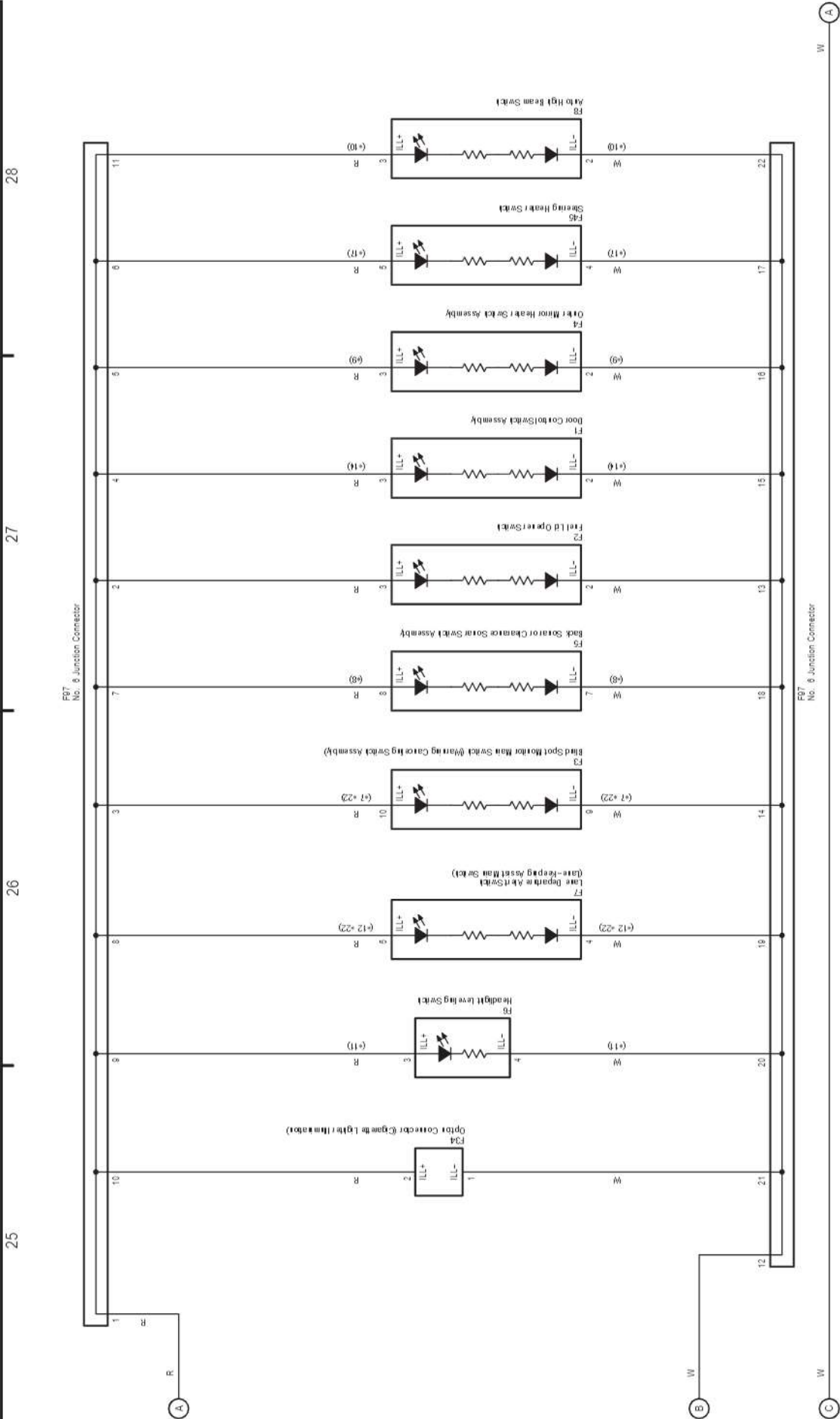
*20 : Radio & Display Receiver Type
 *21 : Navigation Receiver Type
 *22 : Before Nov. 2016 Production
 *23 : From Nov. 2016 Production

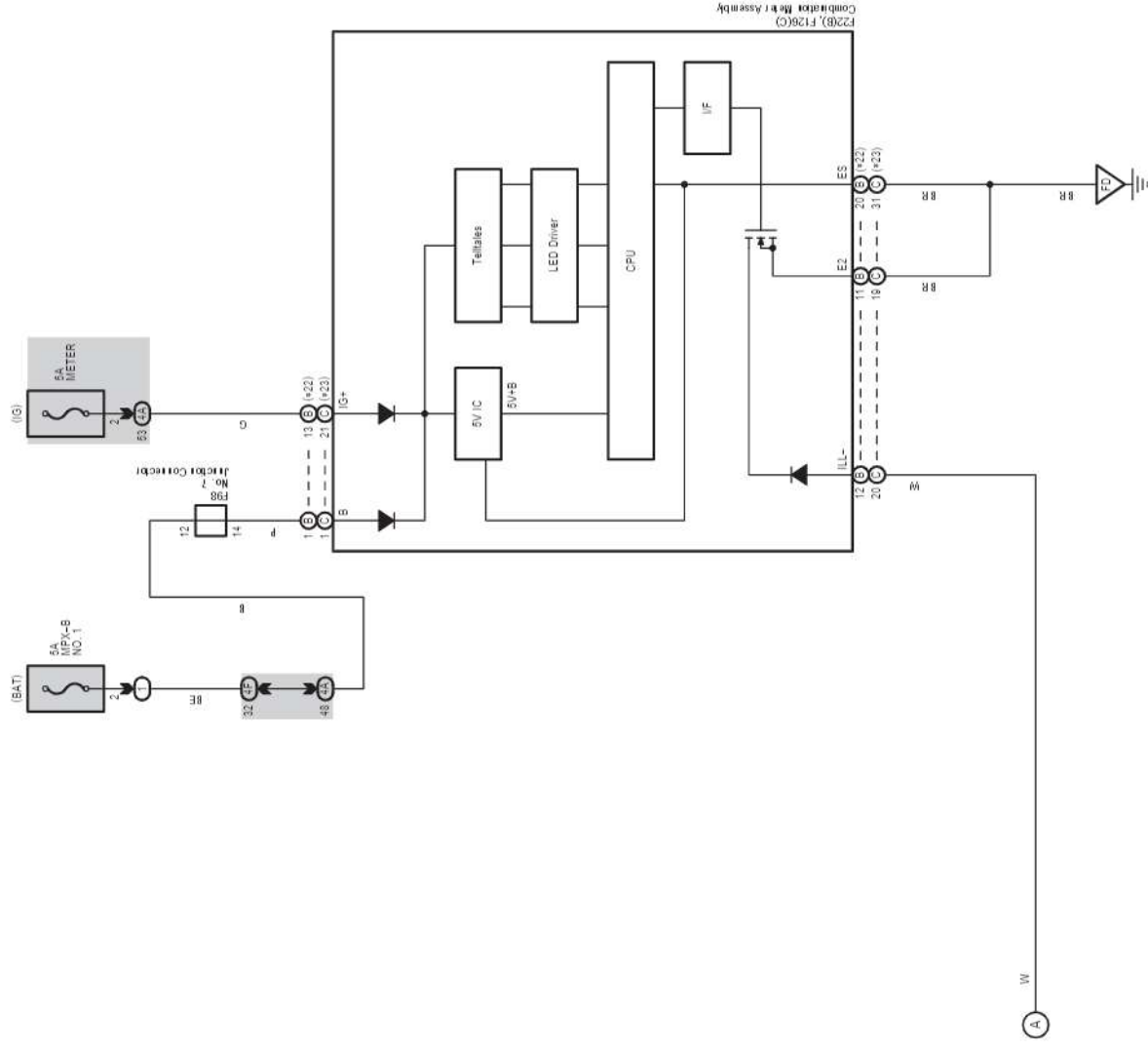
Illumination



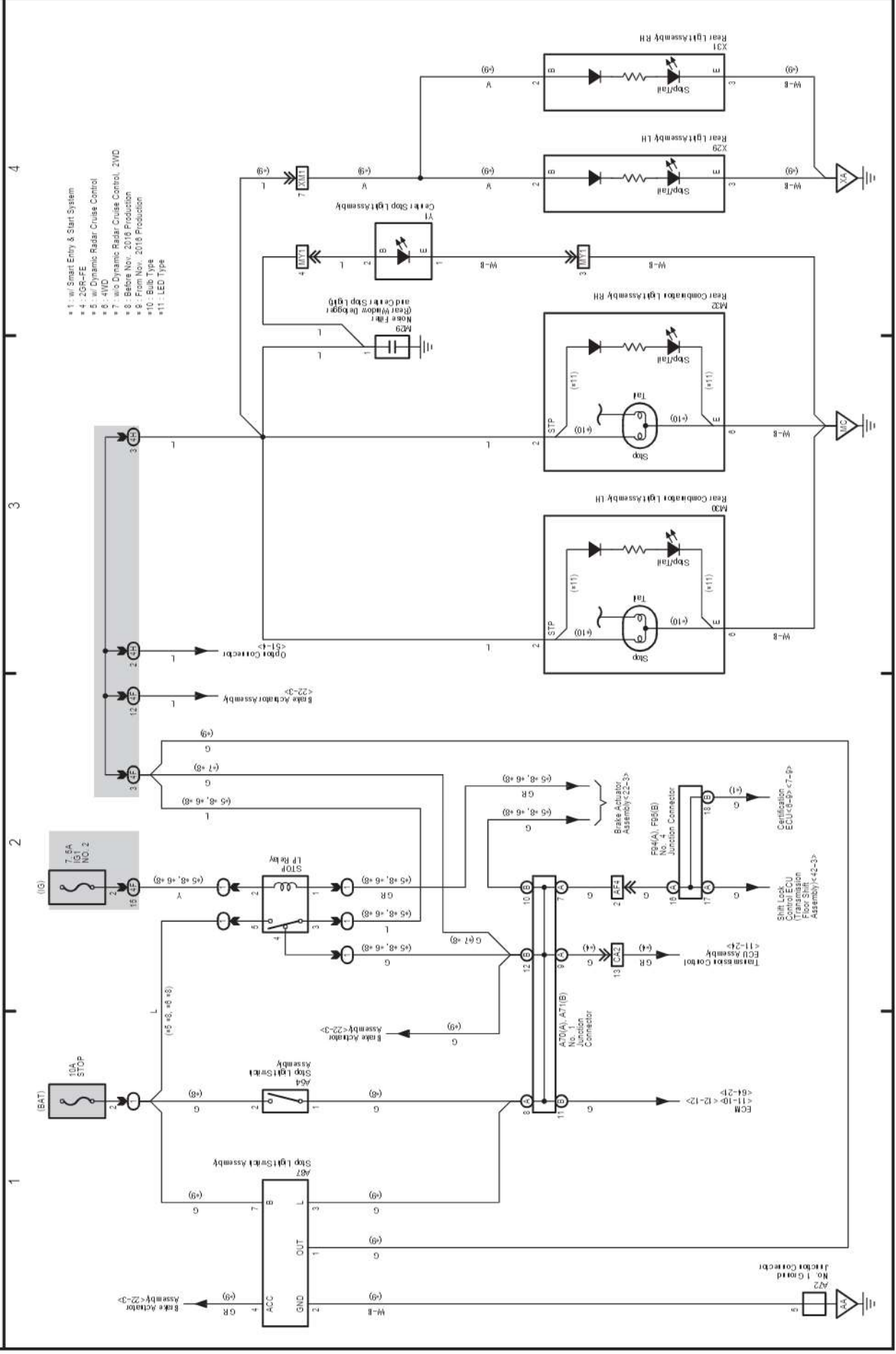
- *7 : w/ Blind Spot Monitor System
- *8 : w/ TOYOTA Parking Assist-Sensor System
- *9 : w/ Windshield Wiper
- *10 : w/ Automatic High Beam System
- *11 : w/ Headlight Beam Level Control (Manual)
- *12 : w/ Lane Departure Alert
- *14 : w/ Power Back Door
- *17 : w/ Heated Steering Wheel System
- *22 : Before Nov. 2016 Production

Illumination

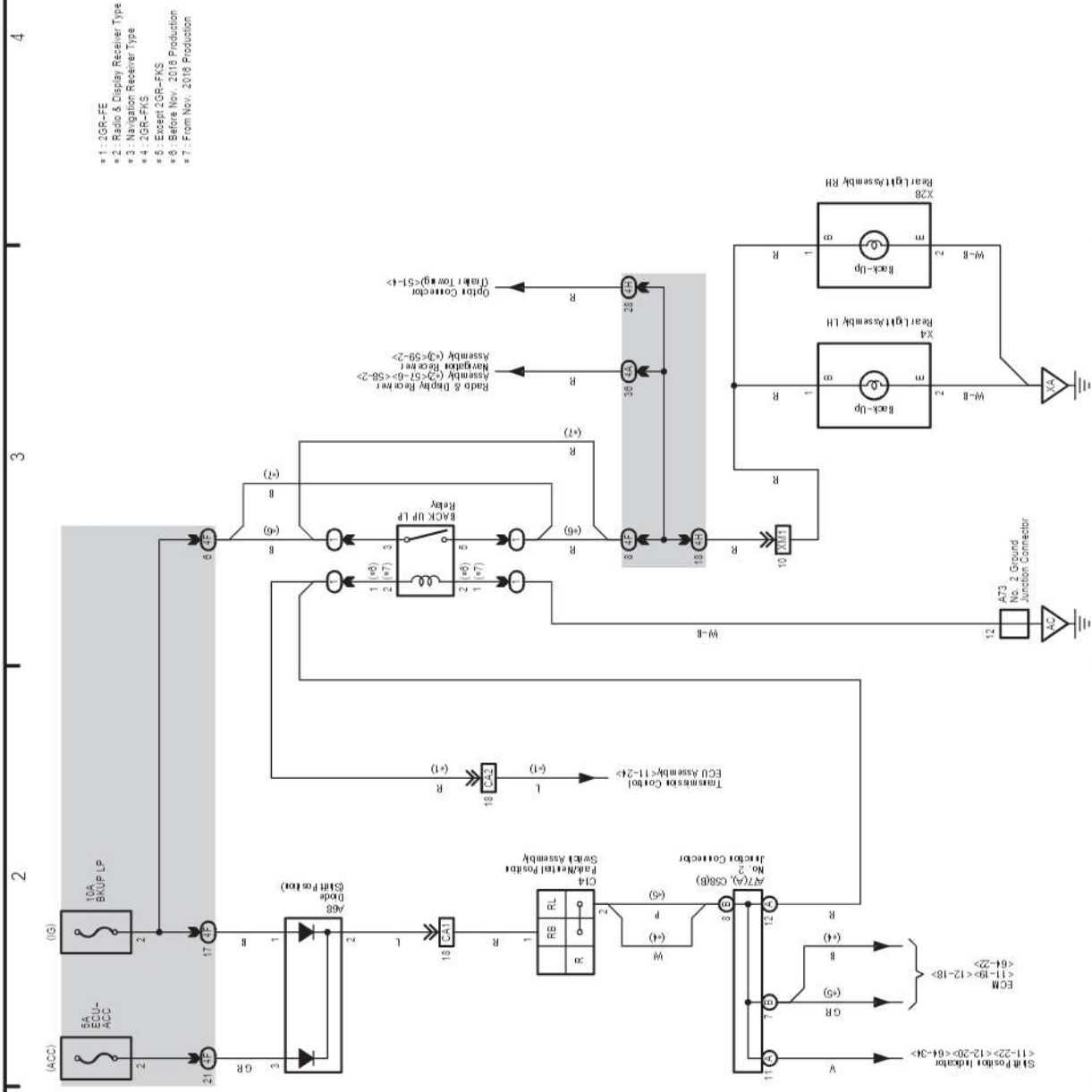




Stop Light

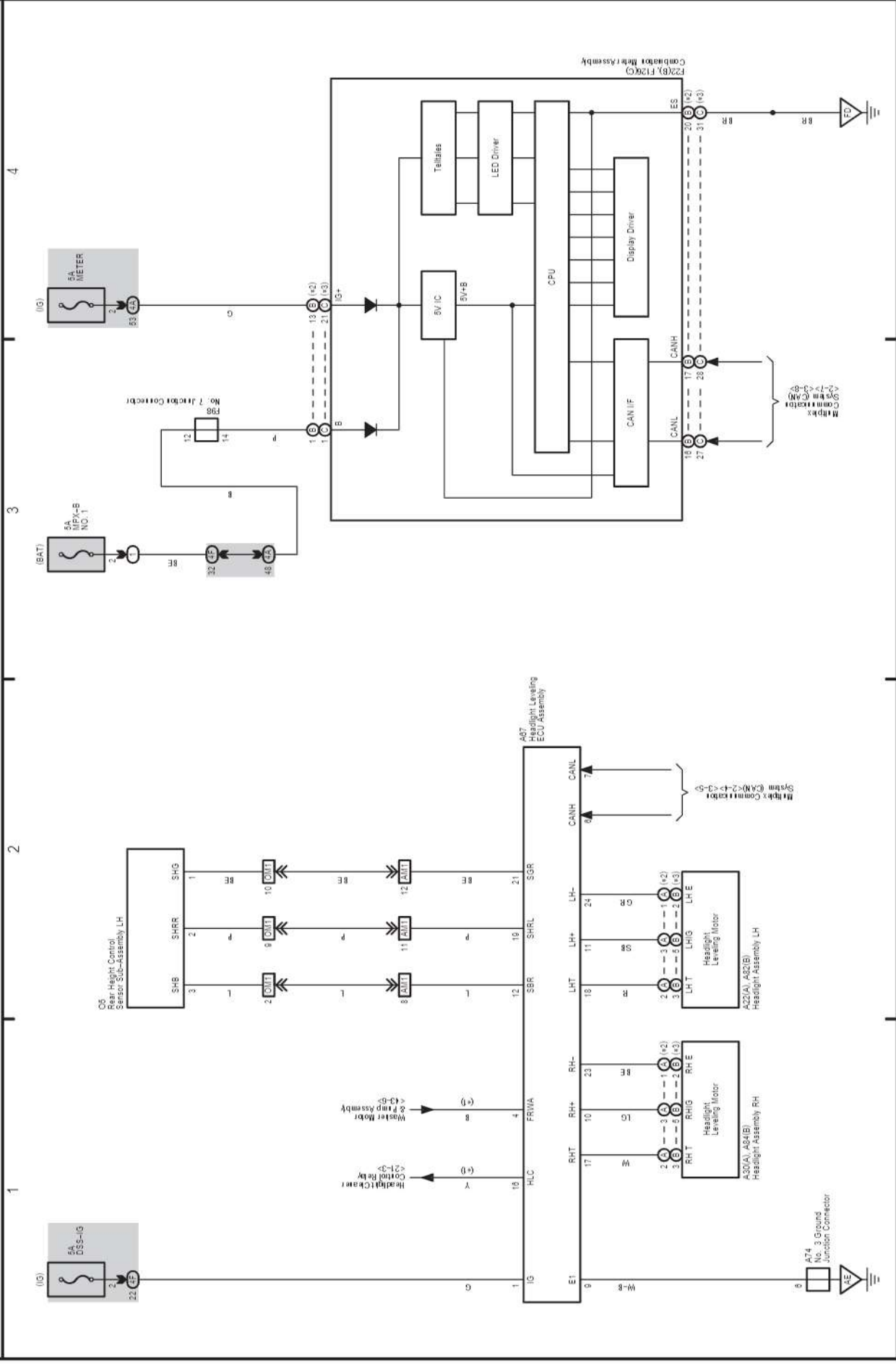


Back-Up Light

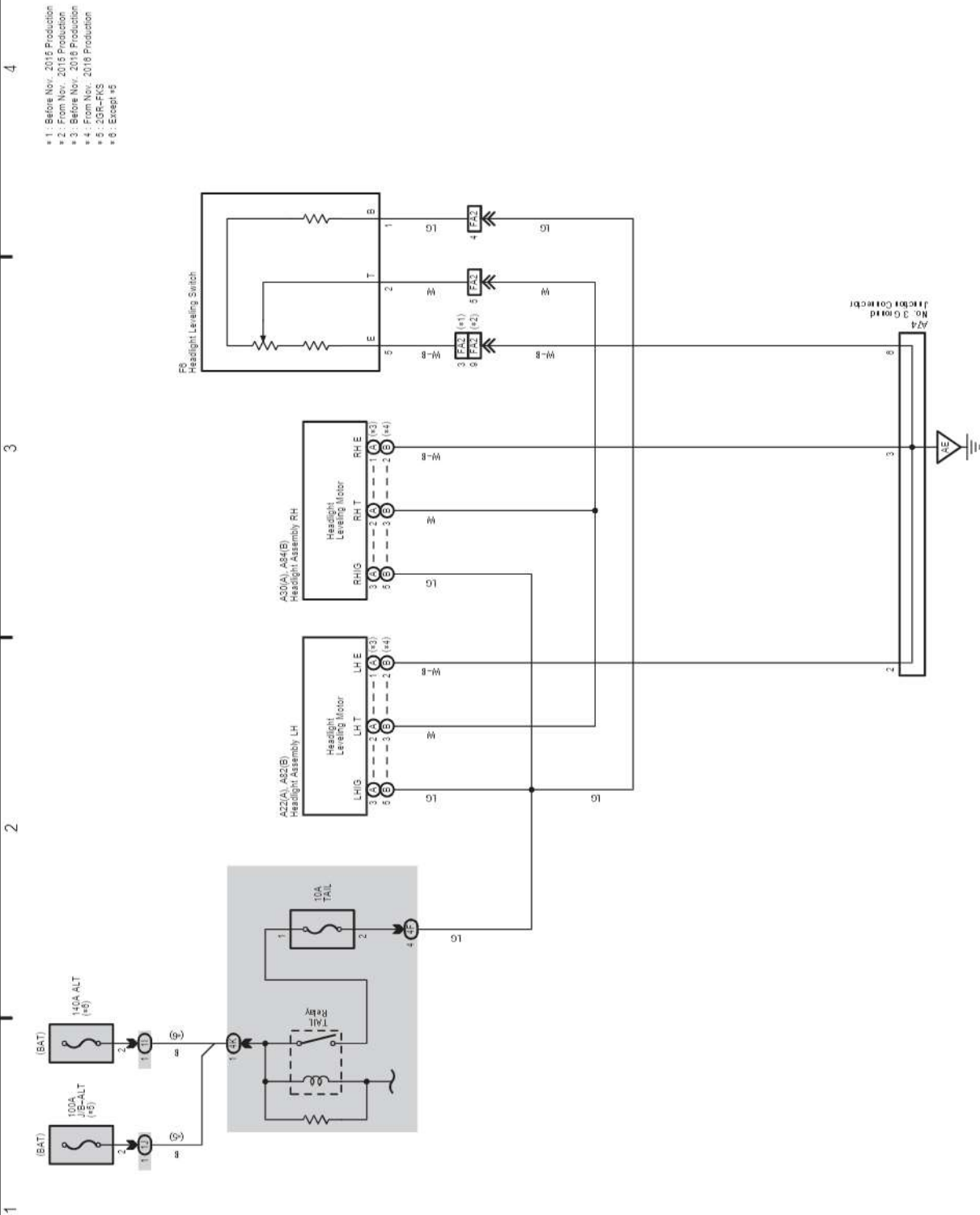


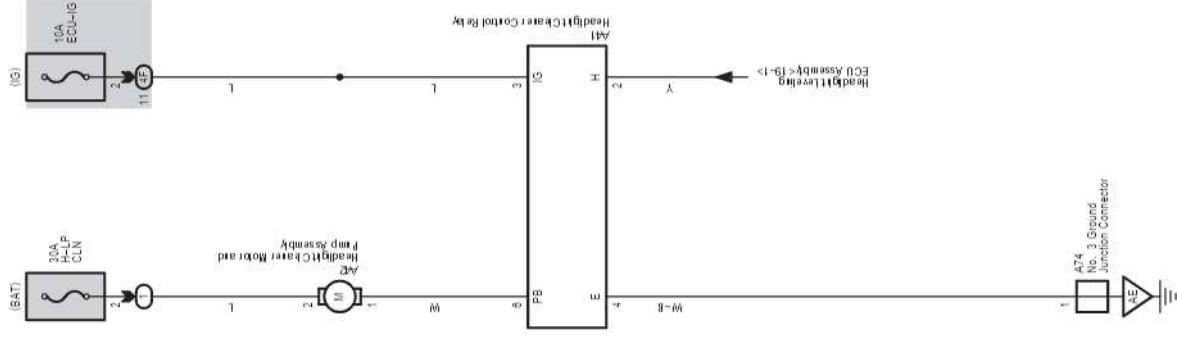
Headlight Beam Level Control (Automatic)

- * 1 : w/ Headlight Cleaner
- * 2 : Before Nov. 2016 Production
- * 3 : From Nov. 2016 Production

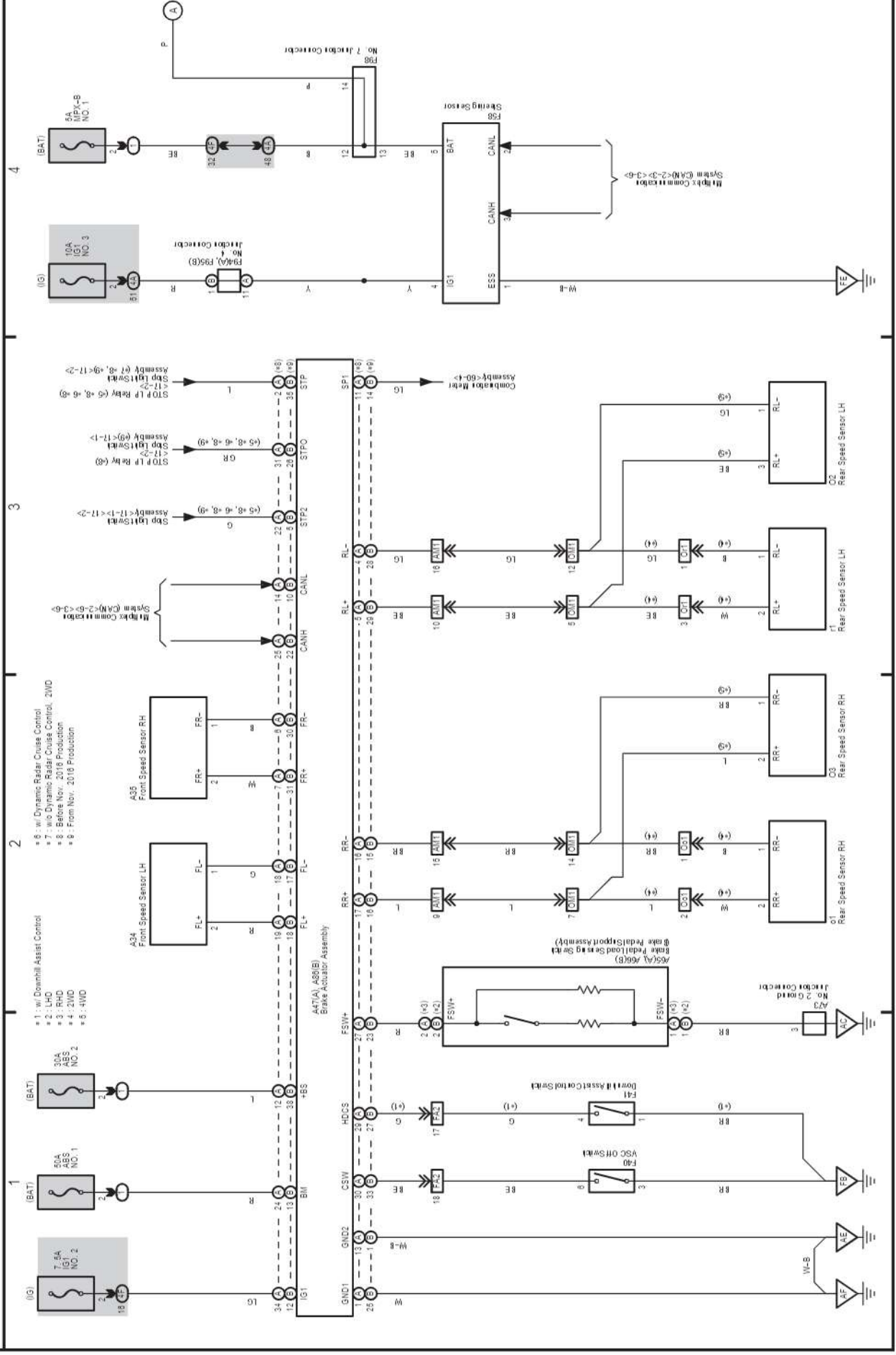


Headlight Beam Level Control (Manual)

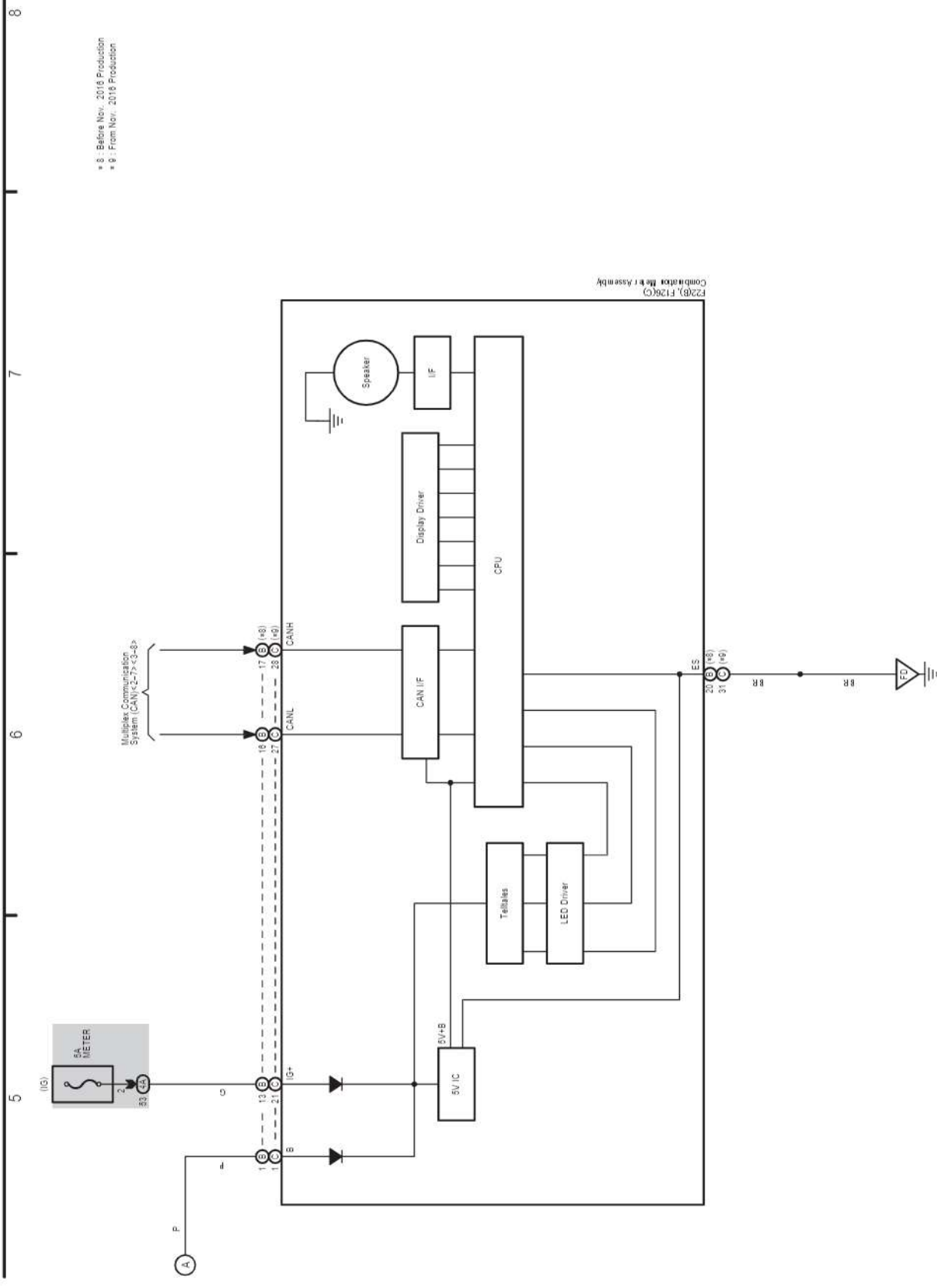




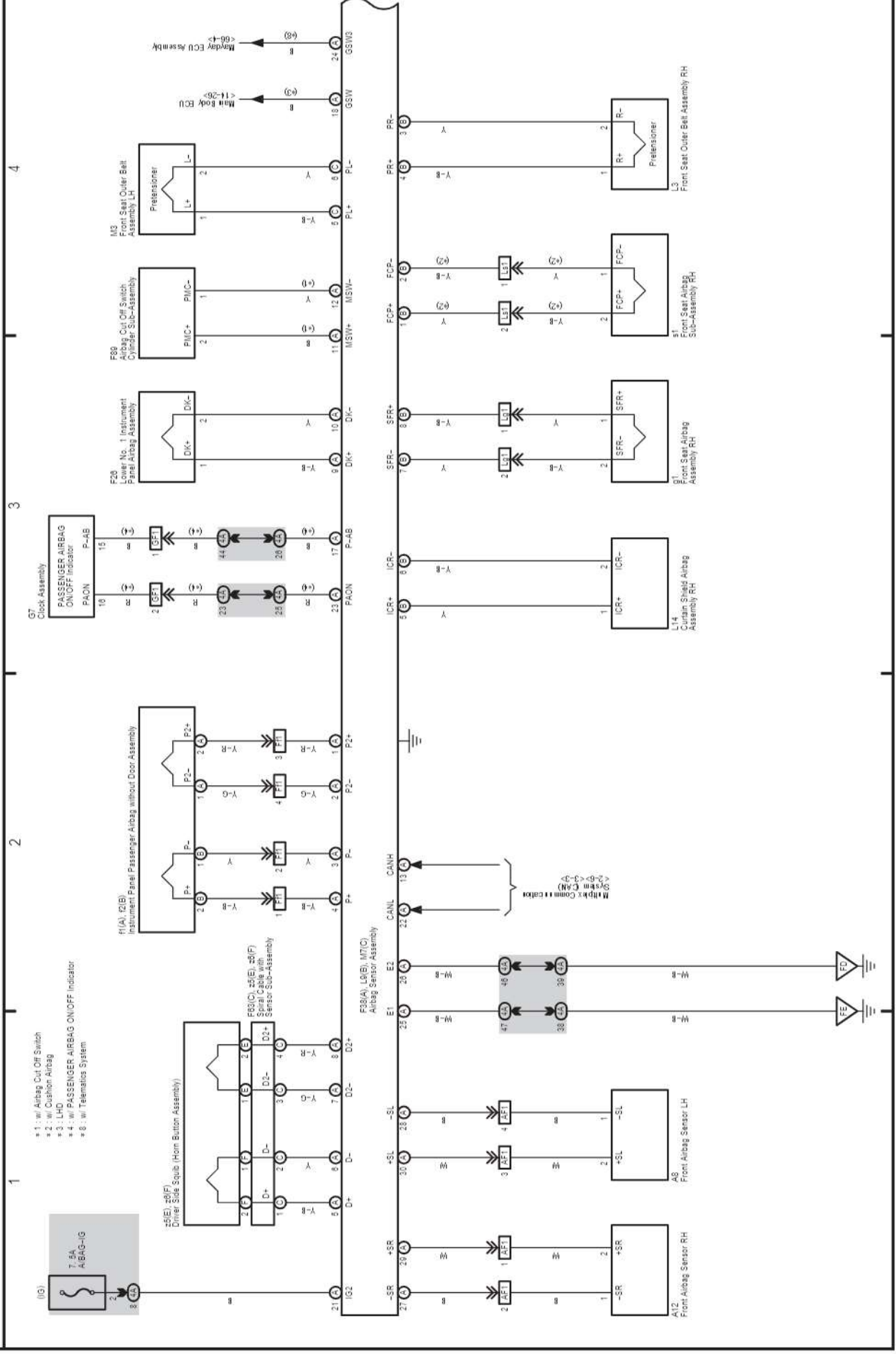
ABS, Brake Assist, Downhill Assist Control, EBD, Hill-Start Assist Control, TRC, VSC



ABS, Brake Assist, Downhill Assist Control, EBD, Hill-Start Assist Control, TRC, VSC

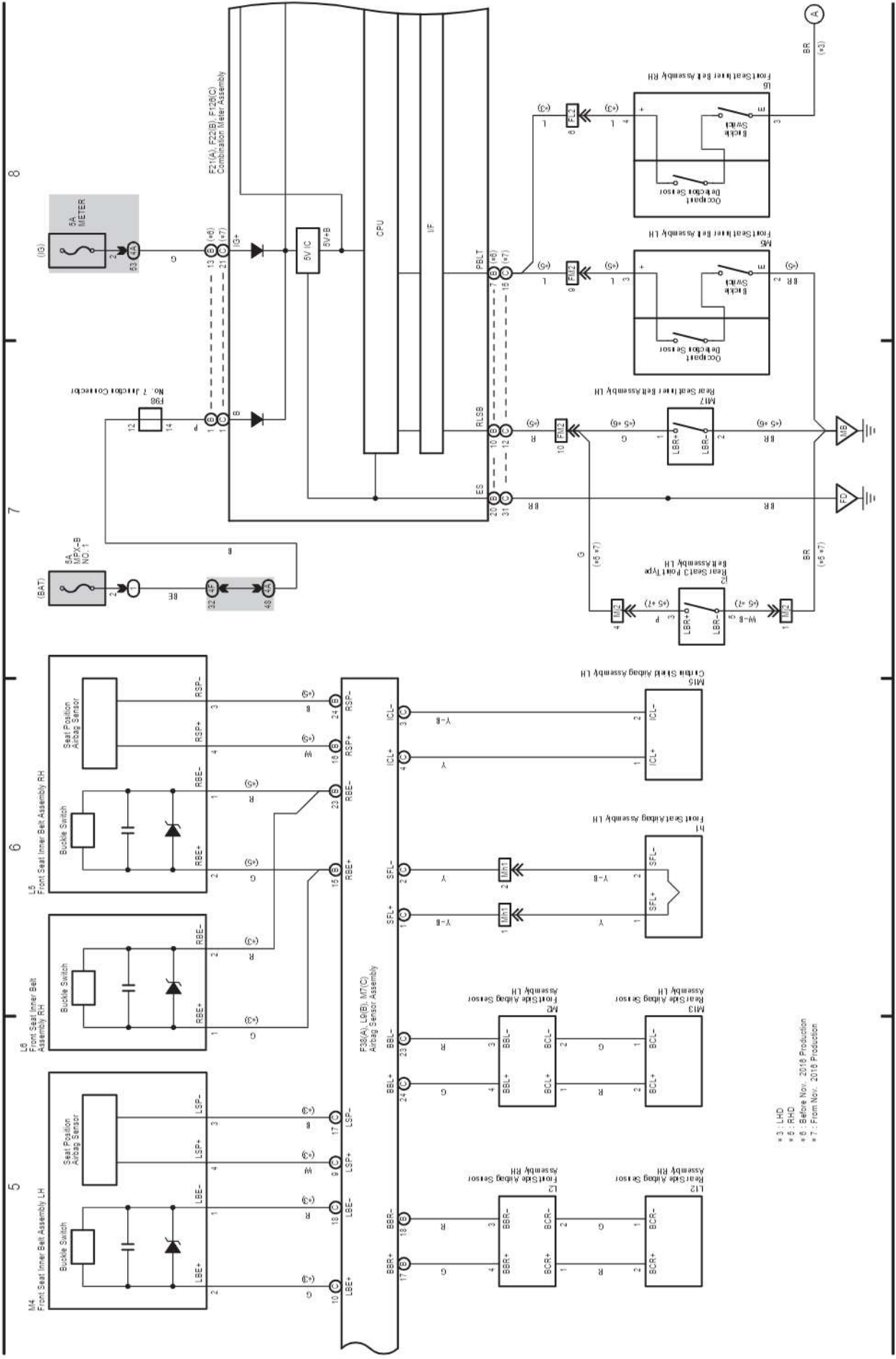


SRS



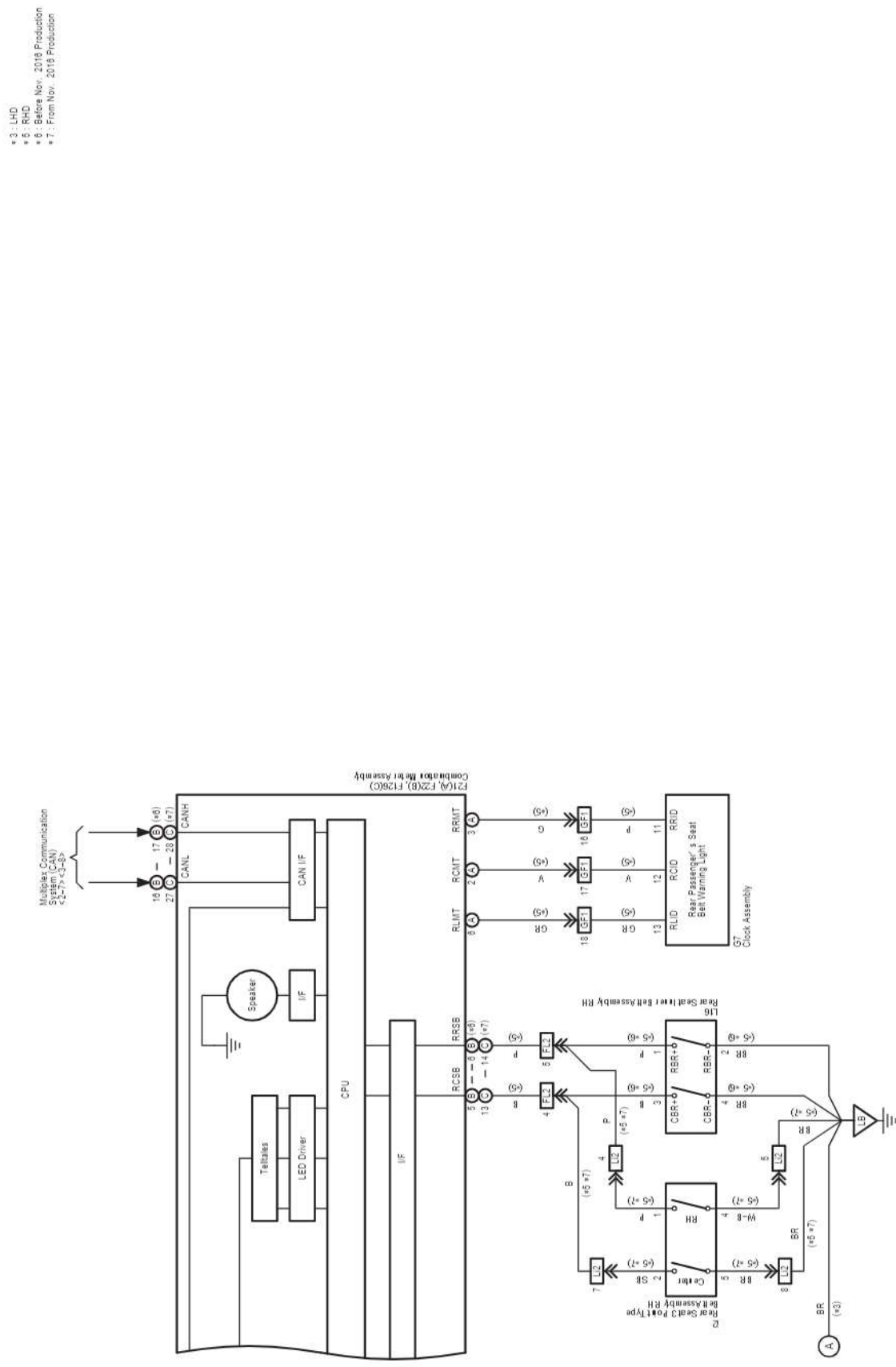
SRS

Seat Belt Warning



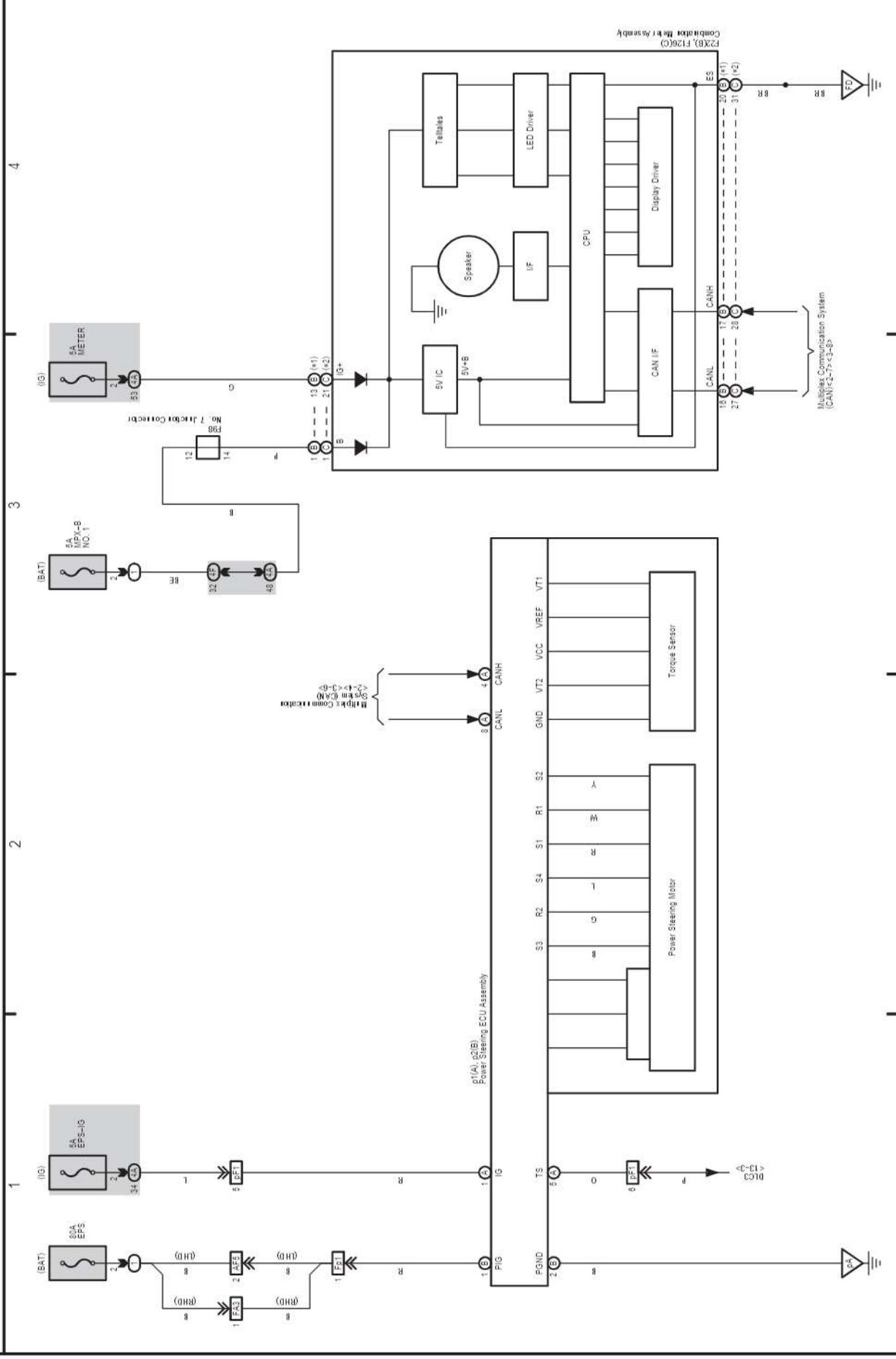
23 HIGHLANDER / KLUGER (Cont' d)

Seat Belt Warning

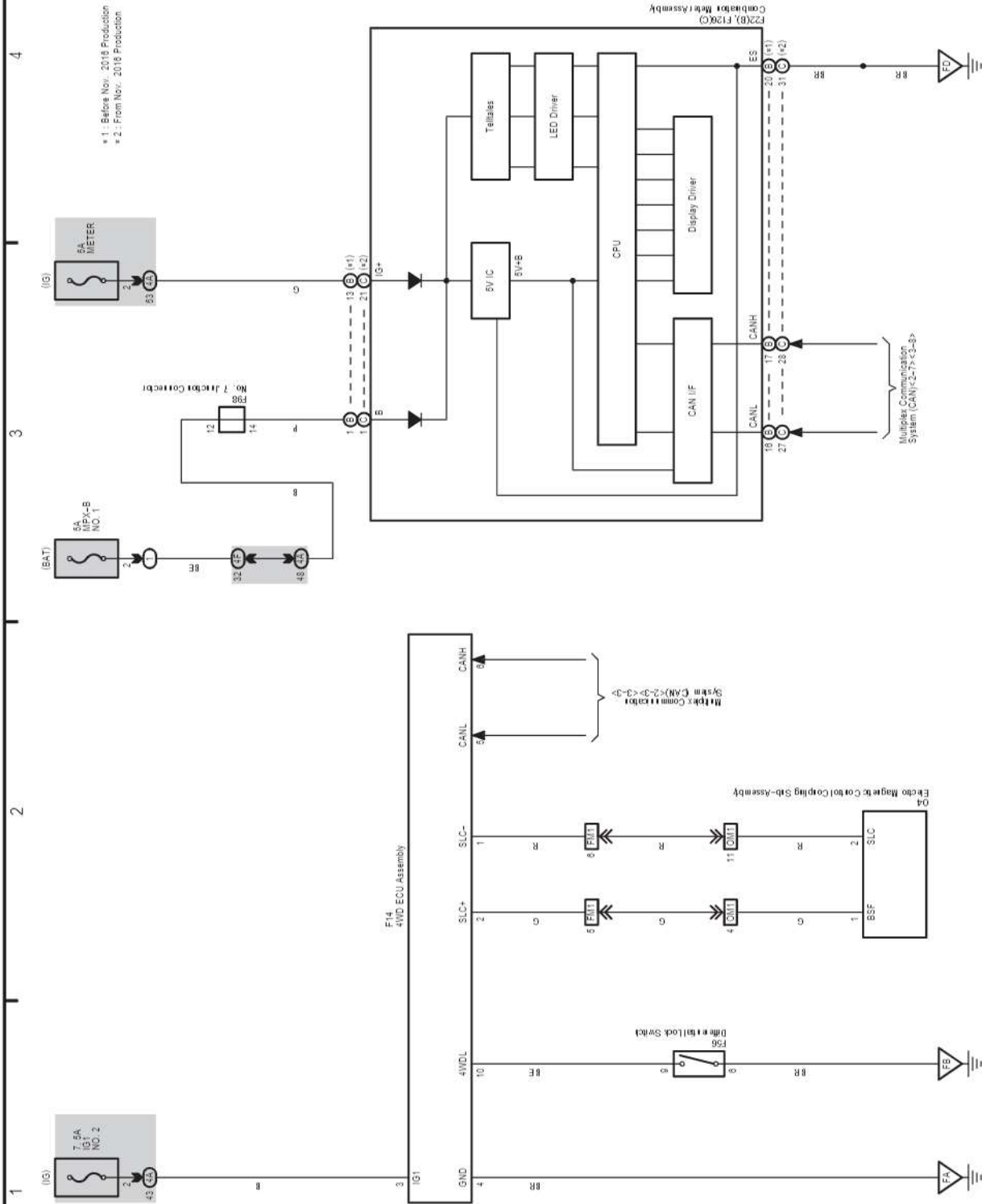


EPS

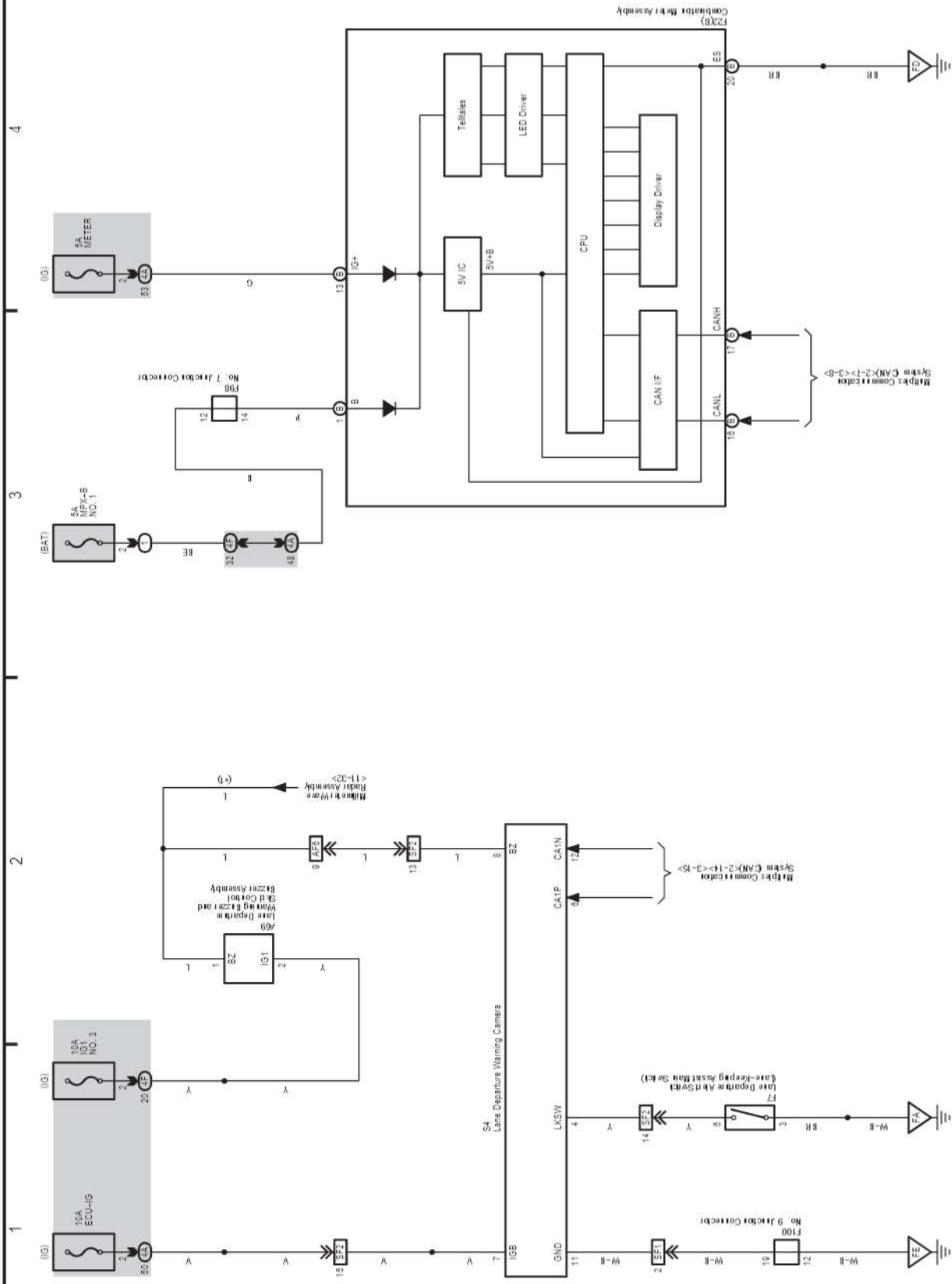
* 1 : Before Nov. 2016 Production
* 2 : From Nov. 2016 Production



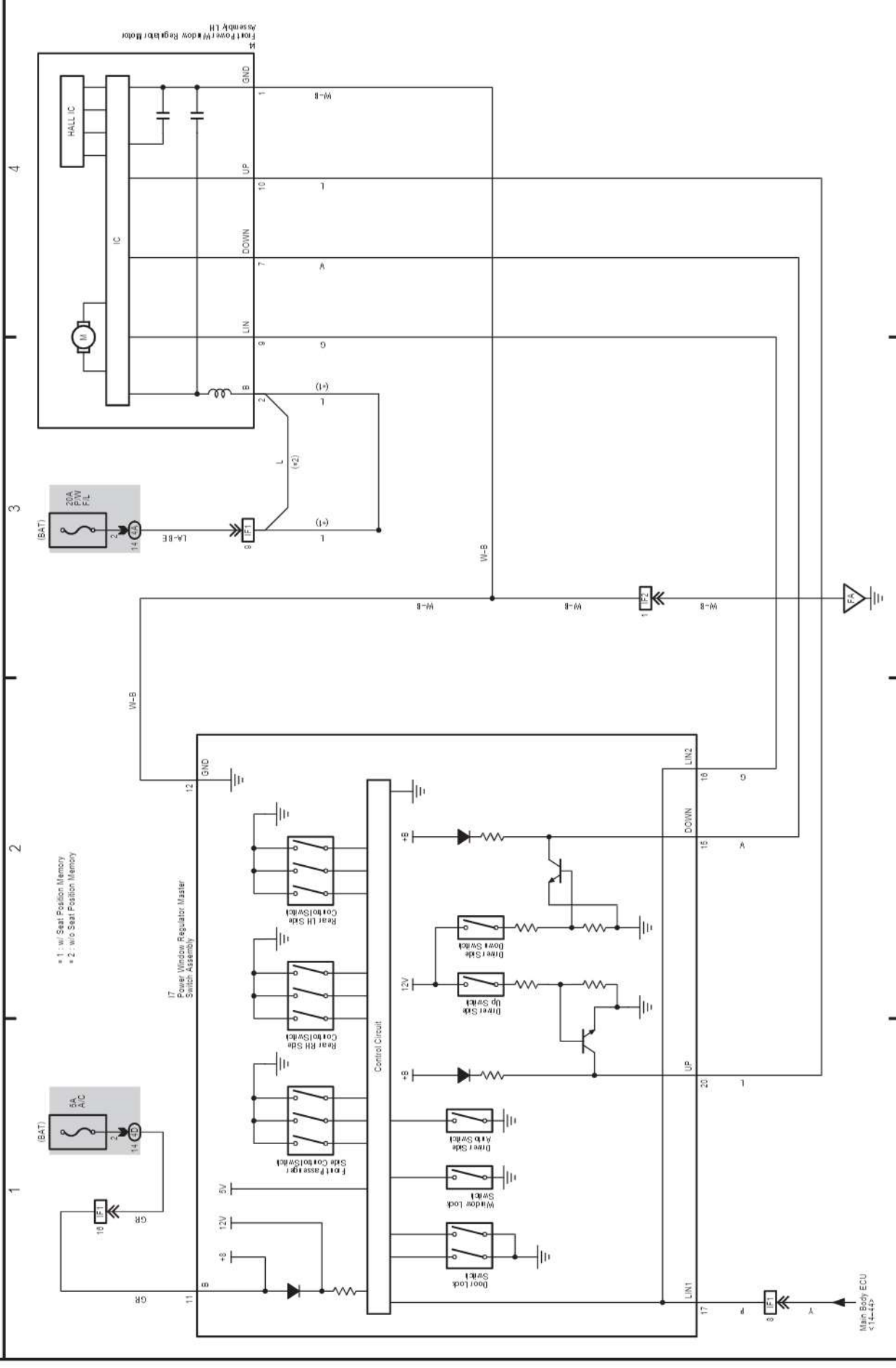
4WD

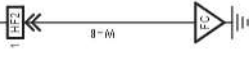
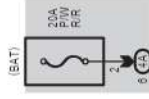


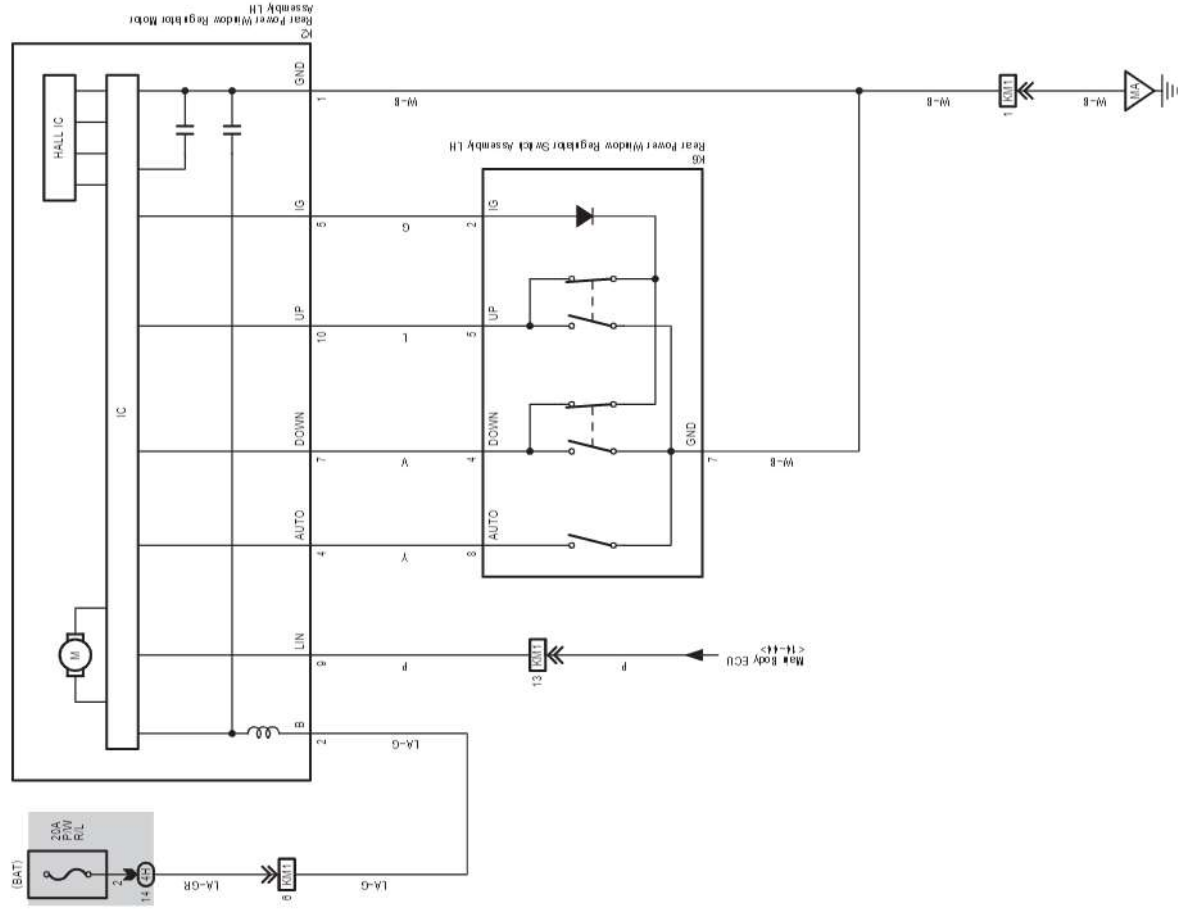
* 1 : w/ Dynamic Radar Cruise Control



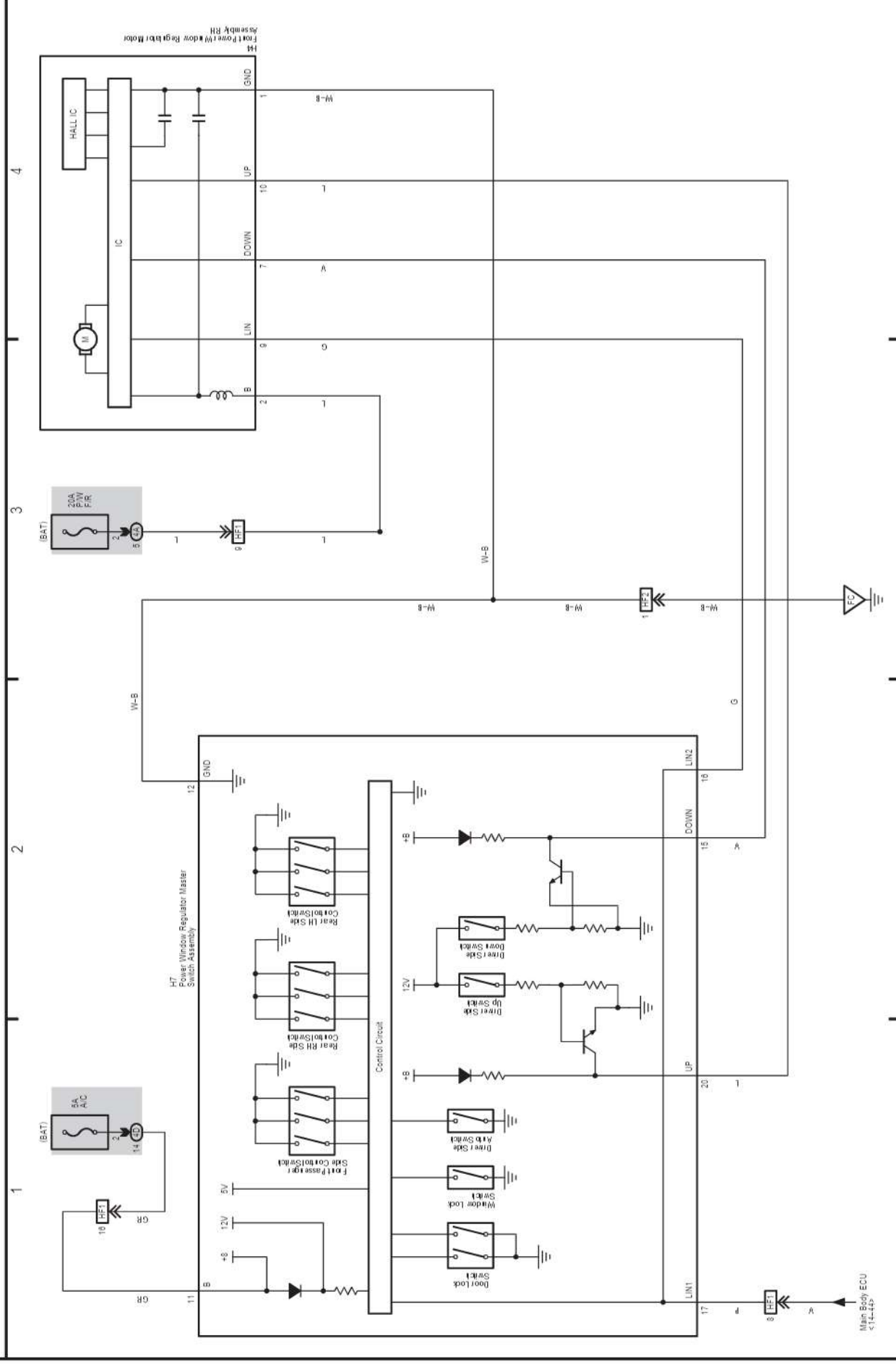
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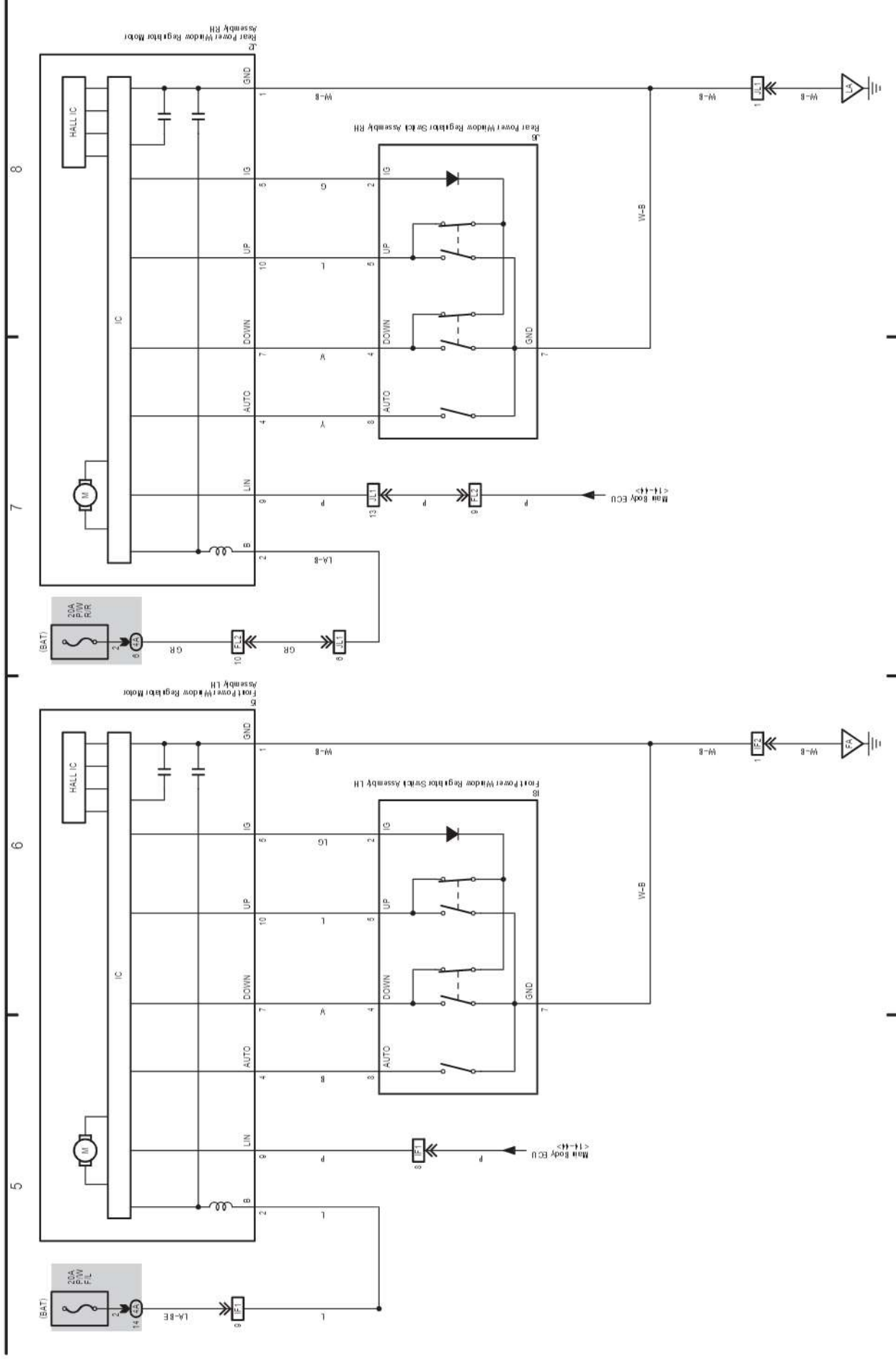




Power Window (RHD w/ Rear Power Window Jam Protection)



Power Window (RHD w/ Rear Power Window Jam Protection)



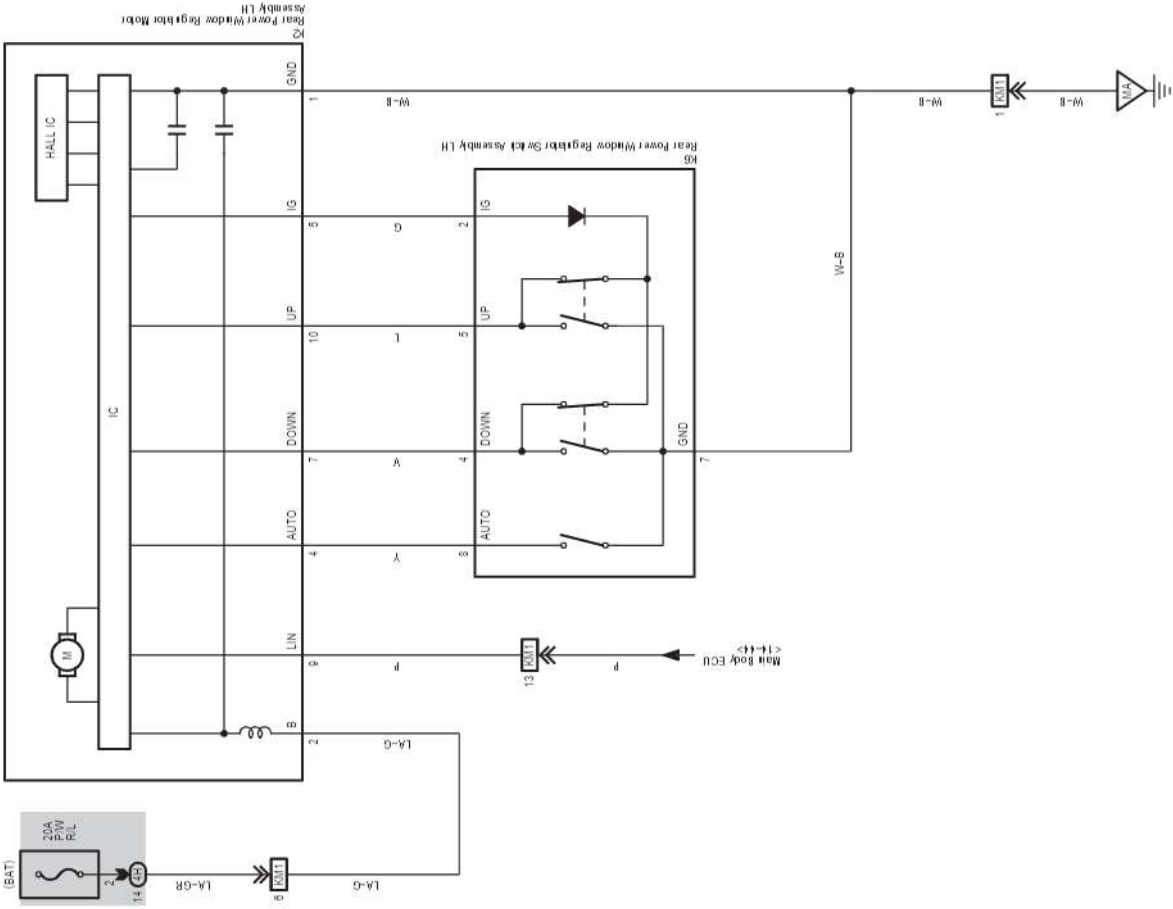
Power Window (RHD w/ Rear Power Window Jam Protection)

12

11

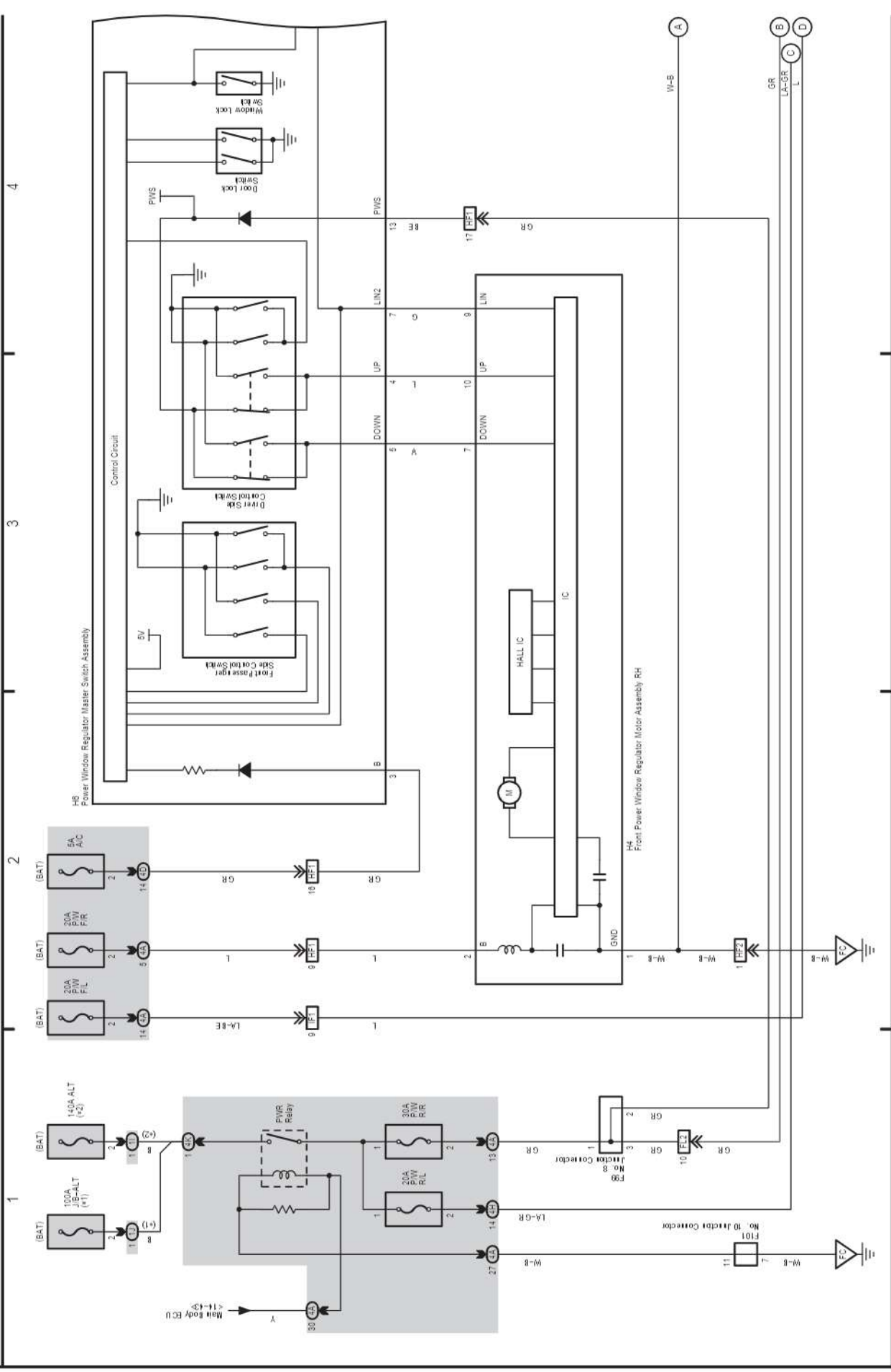
10

9

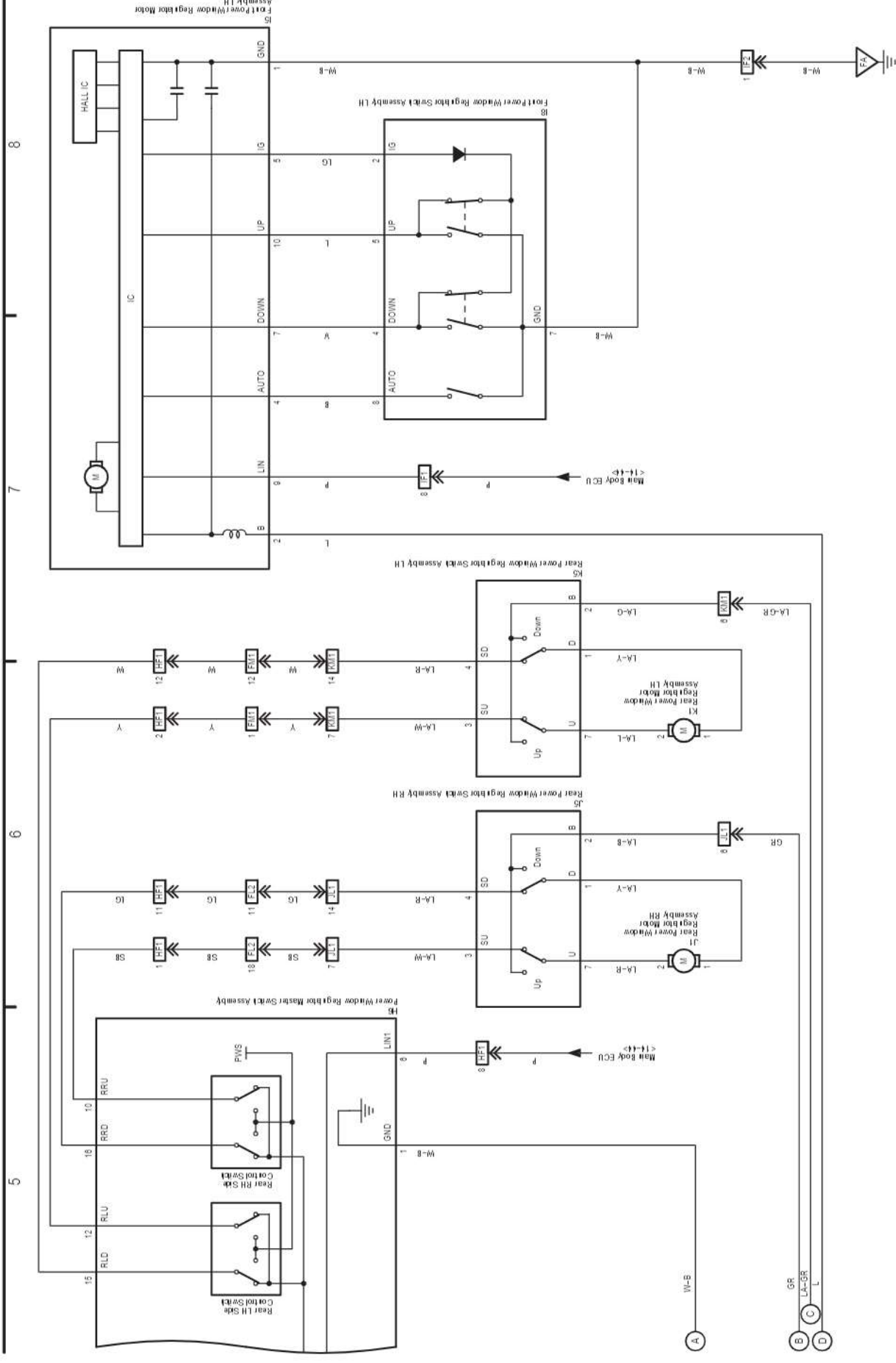


Power Window (RHD w/o Rear Power Window Jam Protection)

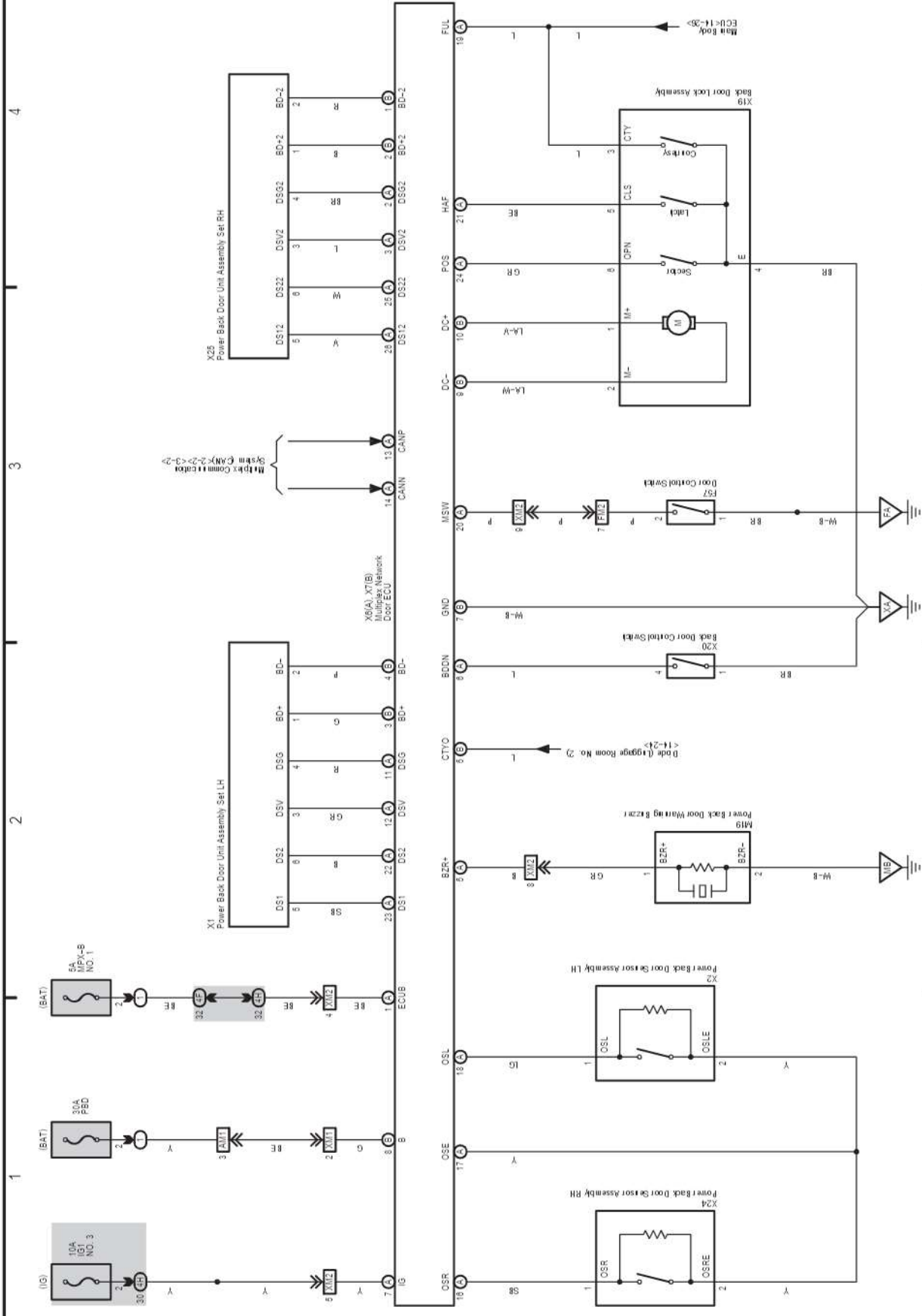
*1: 20R-FKS
*2: Except *1



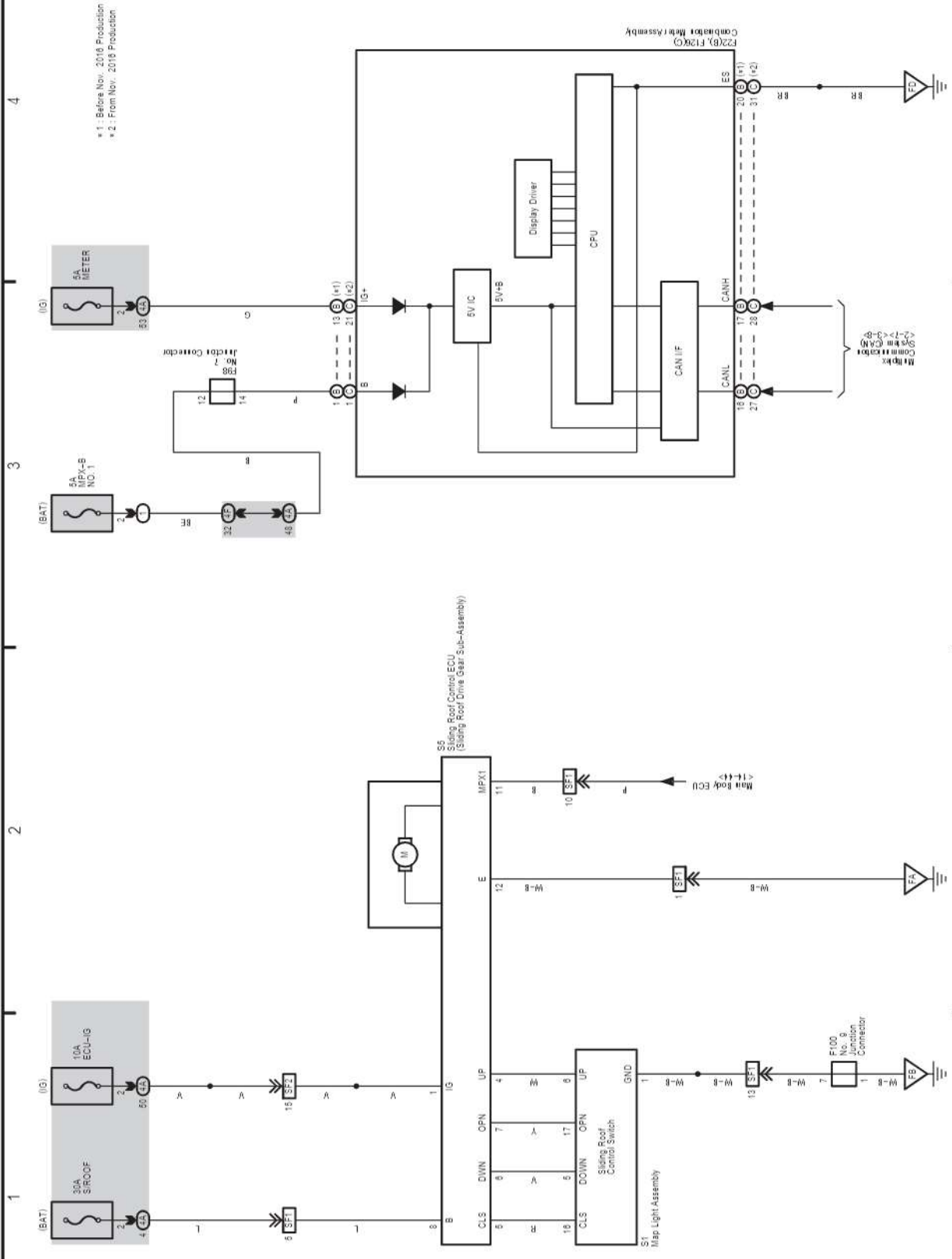
Power Window (RHD w/o Rear Power Window Jam Protection)



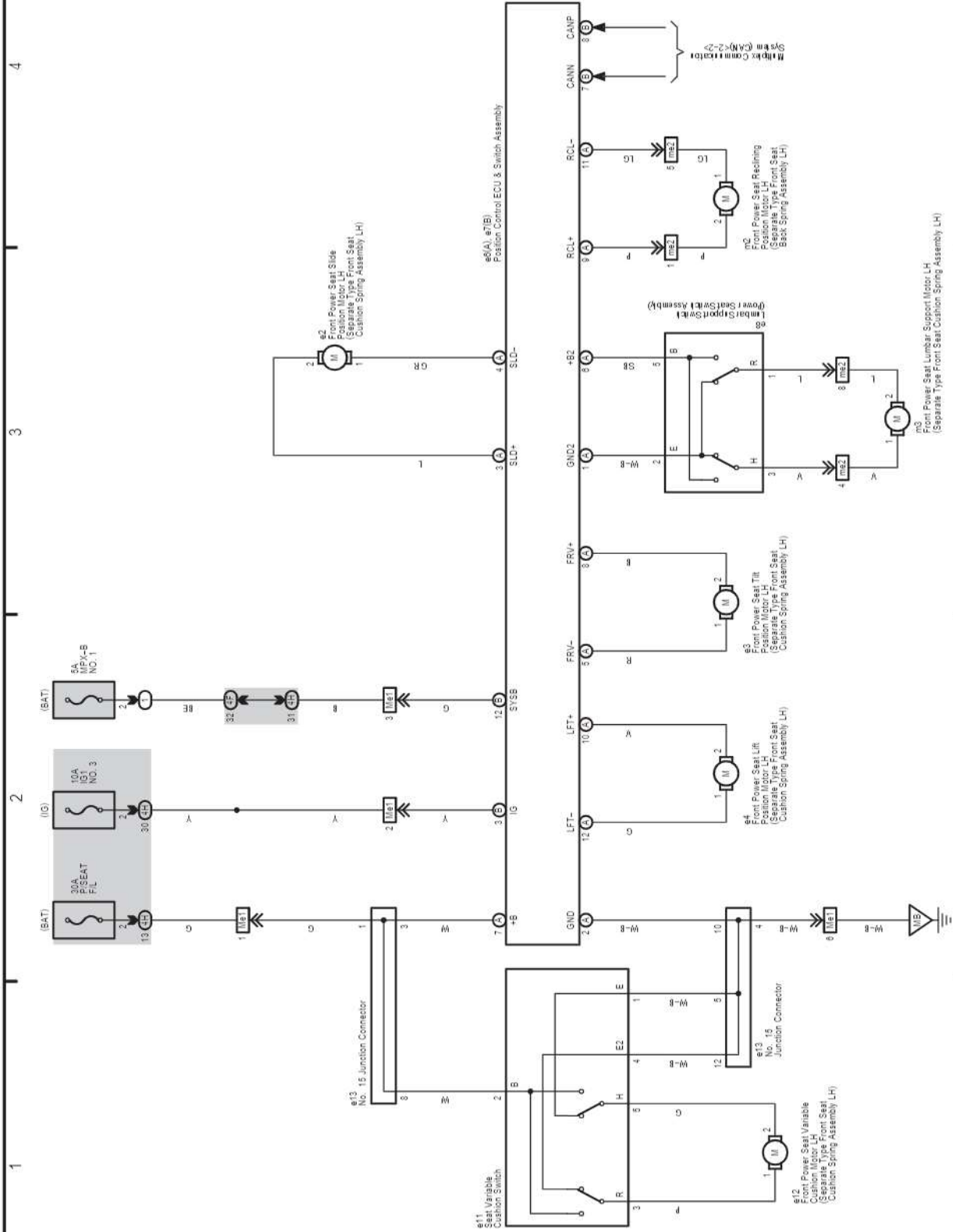
Power Back Door



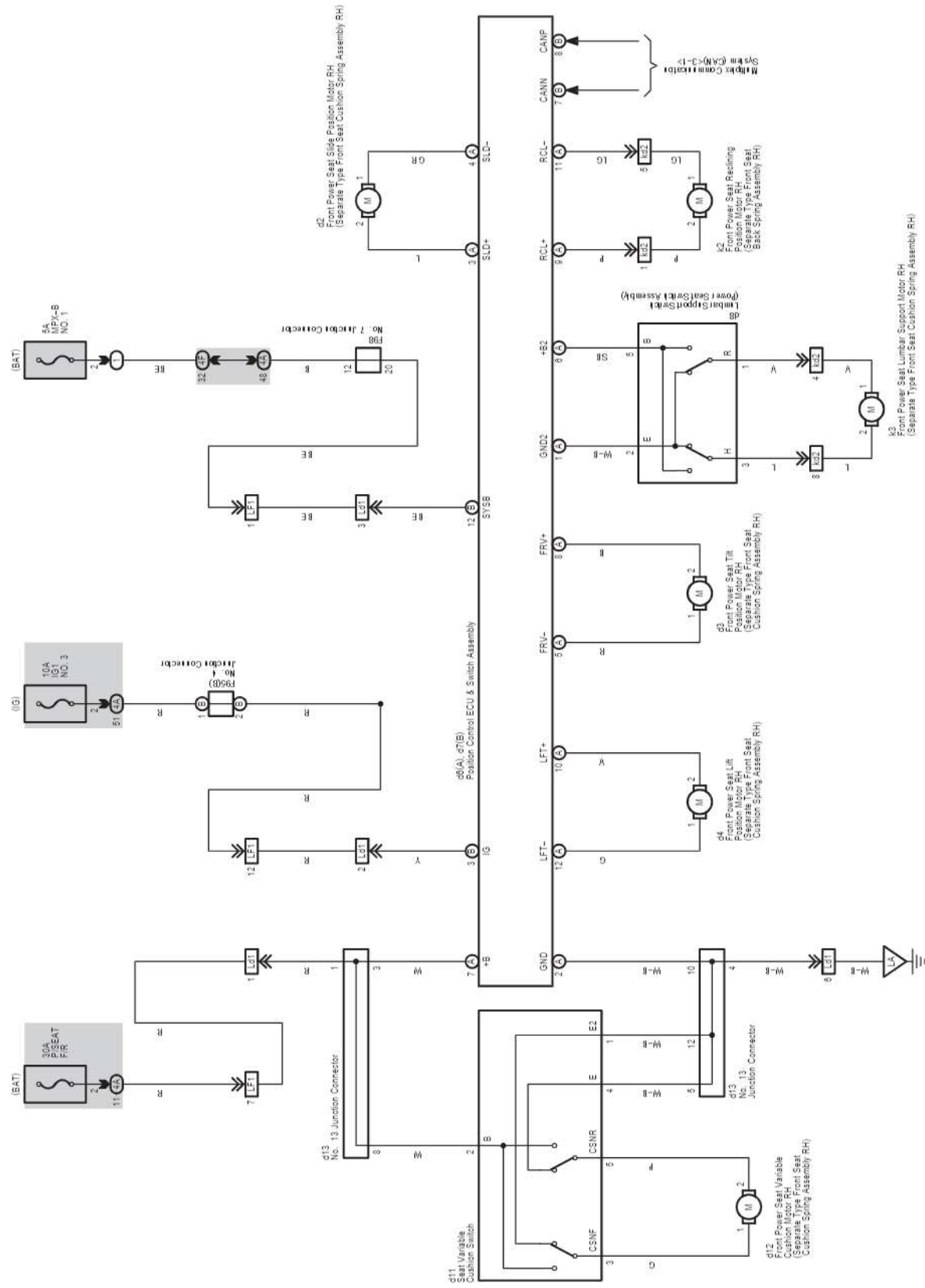
Sliding Roof



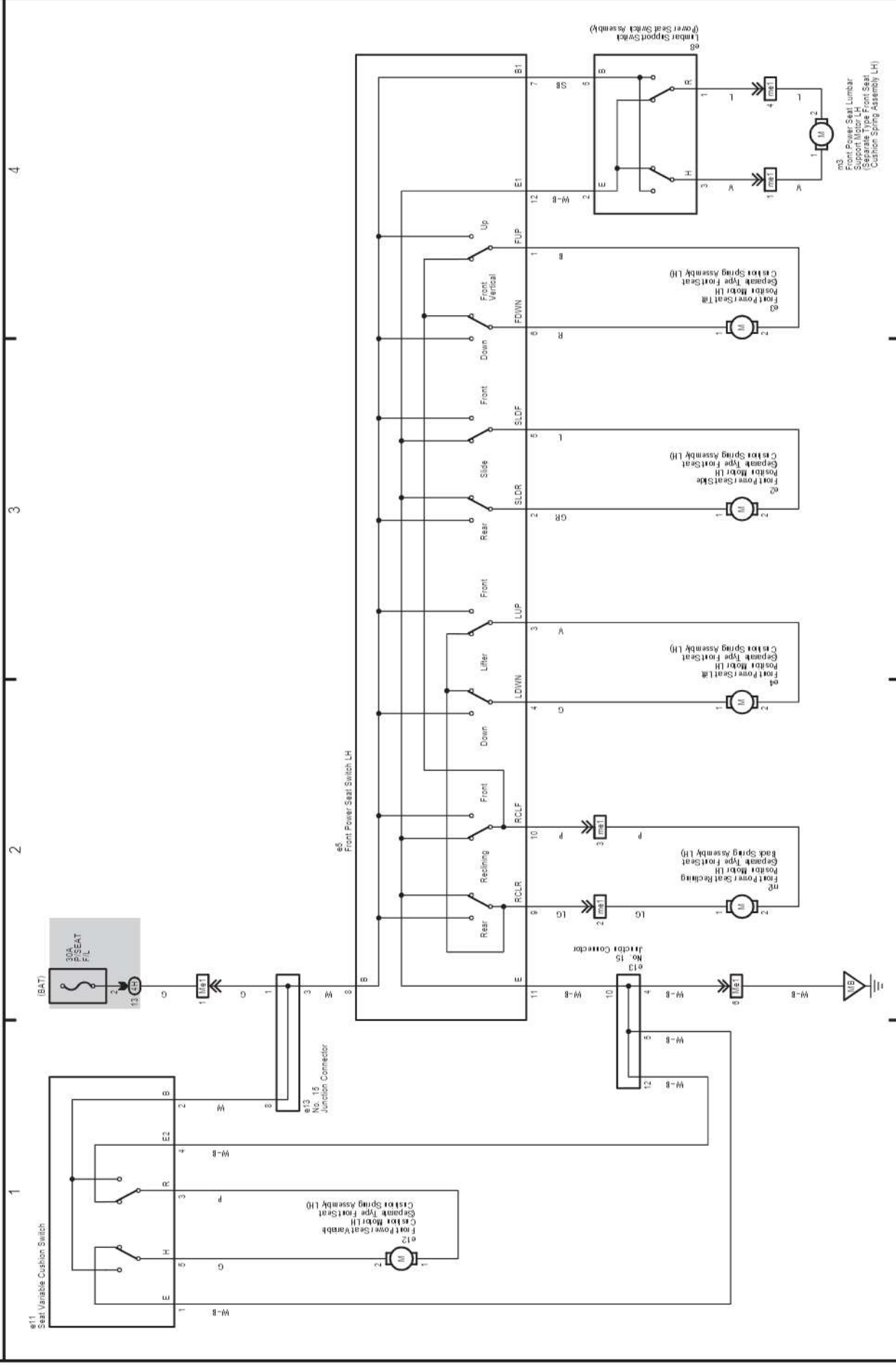
Power Seat (LHD Driver's Seat w/ Seat Position Memory)



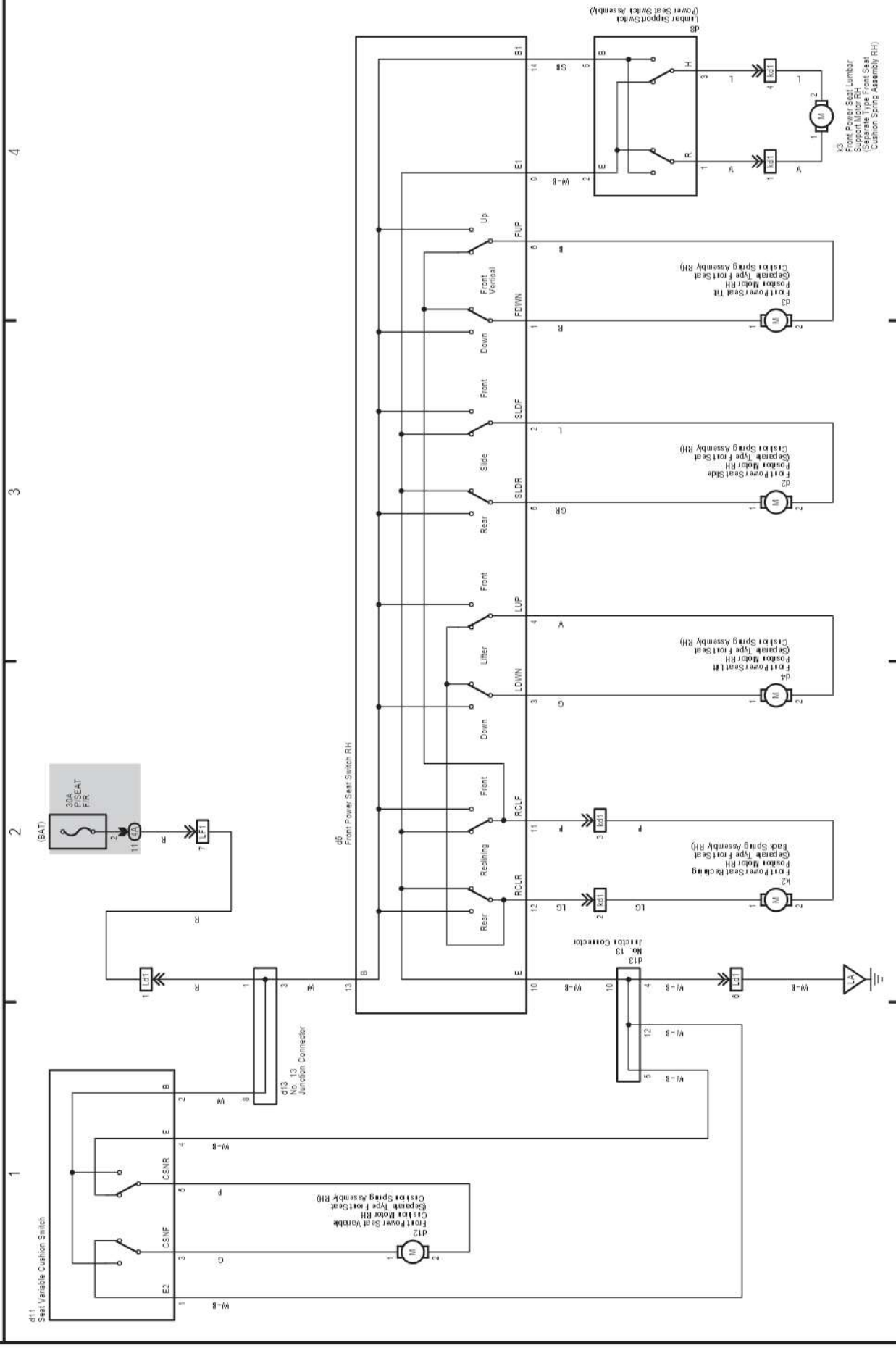
A vertical number line with tick marks labeled 1, 2, 3, and 4.



Power Seat (LHD Driver's Seat w/o Seat Position Memory)

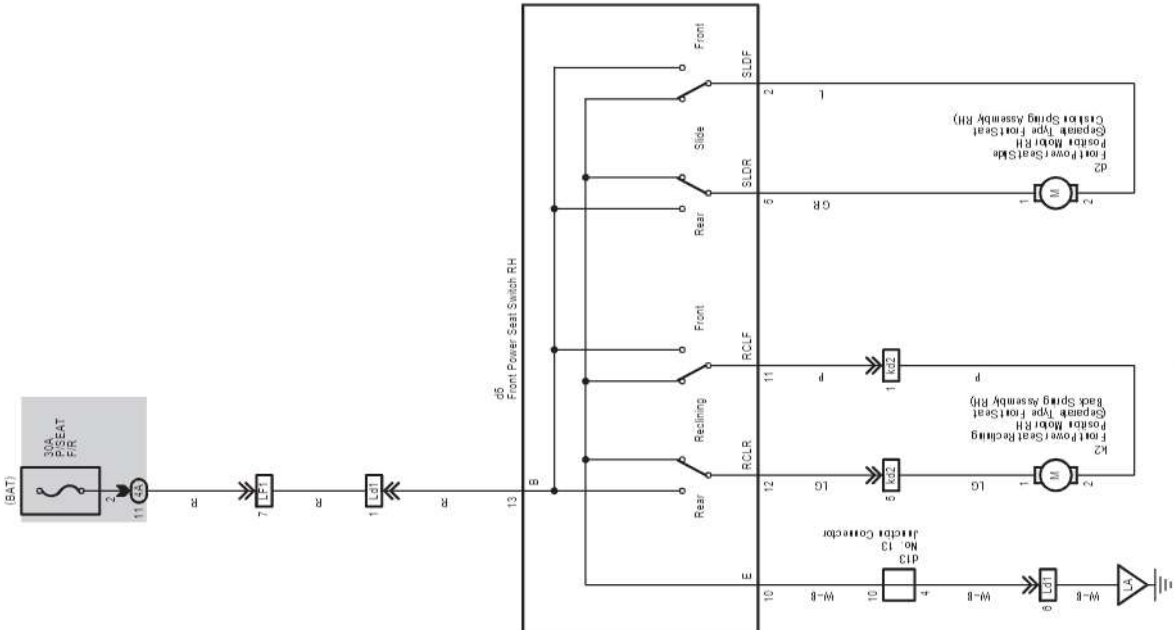


4

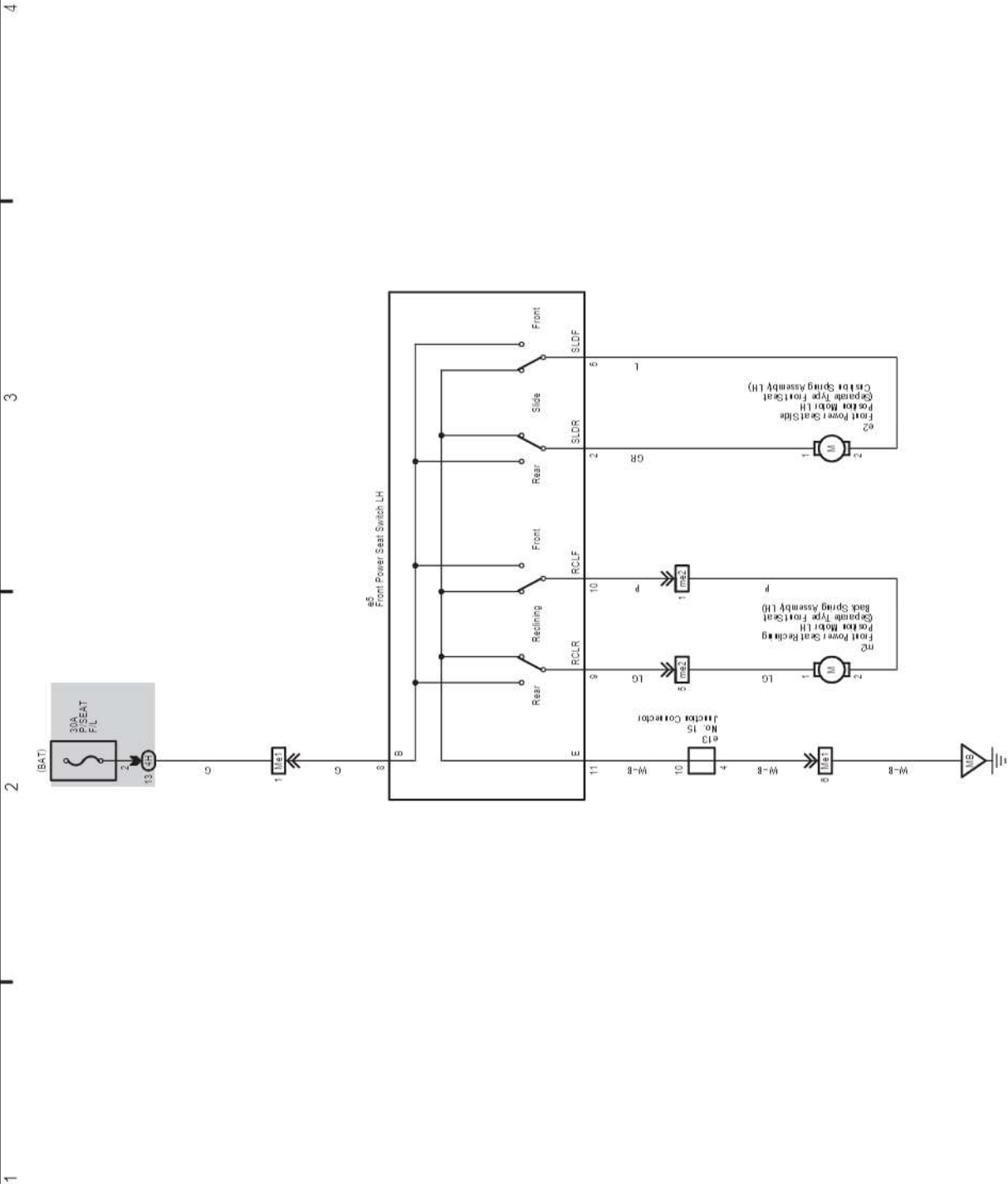


Power Seat (LHD Front Passenger's Seat)

1 2 3 4

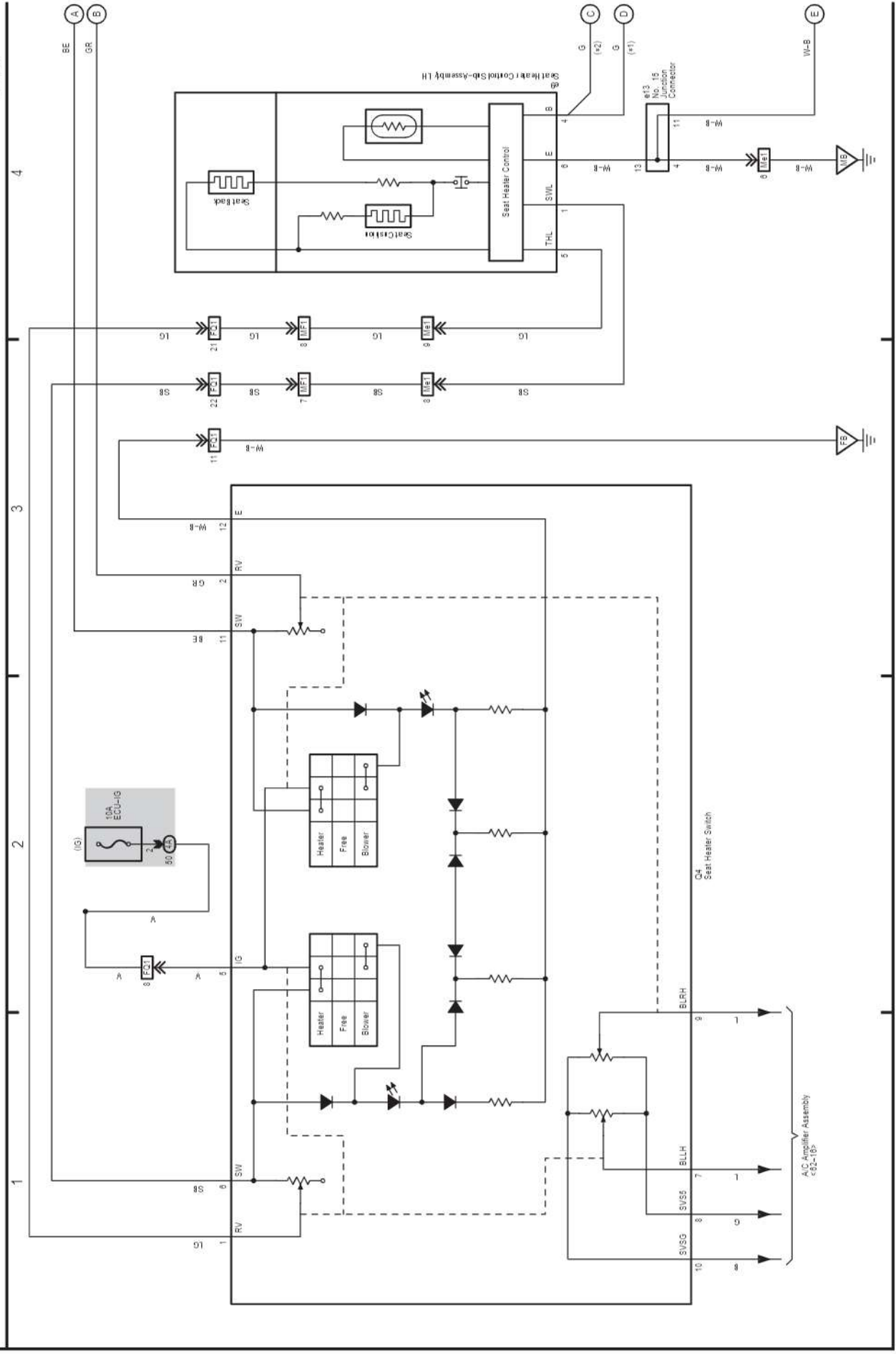


Power Seat (RHD Front Passenger's Seat)



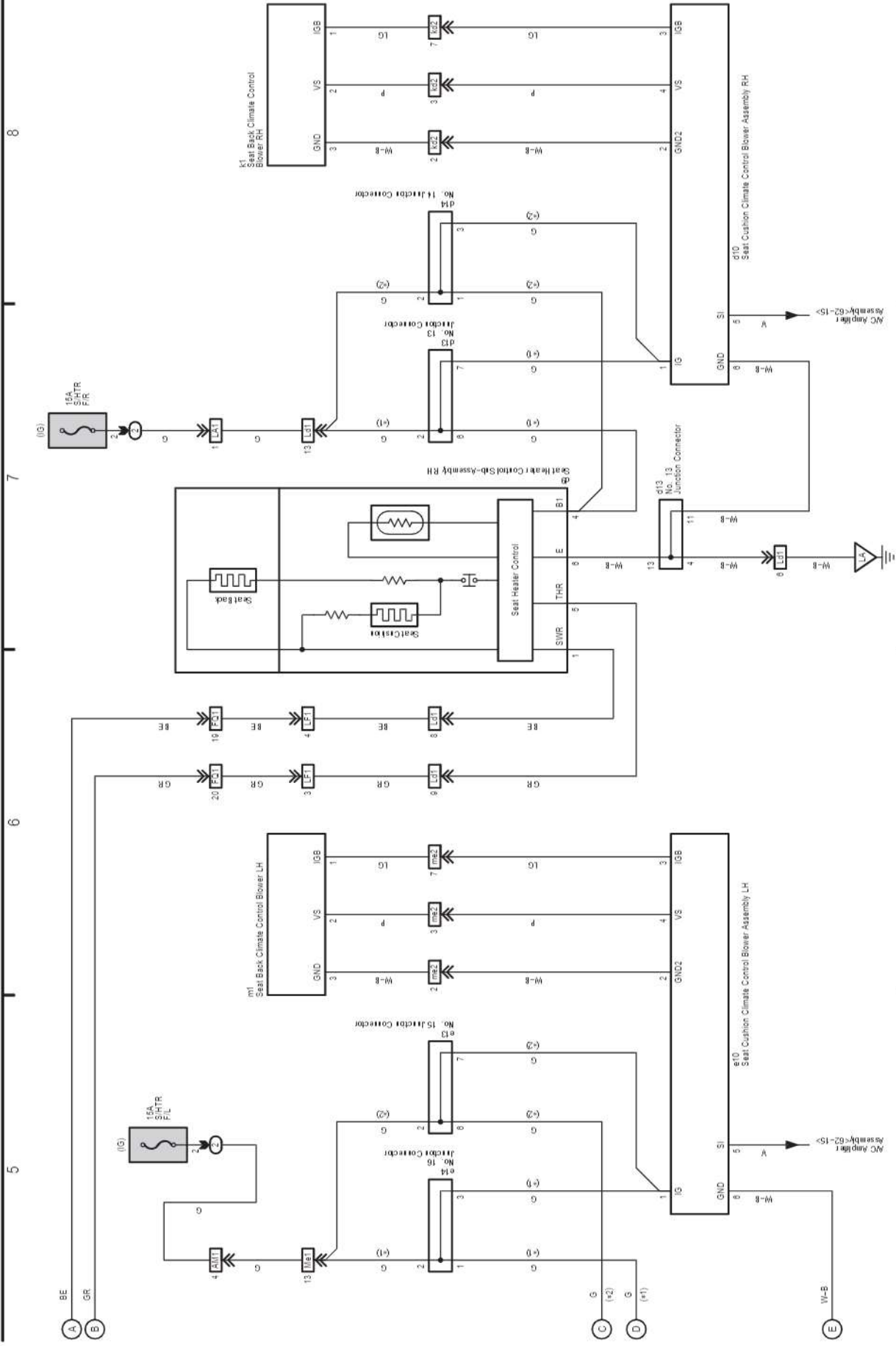
Climate Control Seat, Seat Heater (Front Seat w/ Climate Control Seat)

*1: LHD
*2: RHD

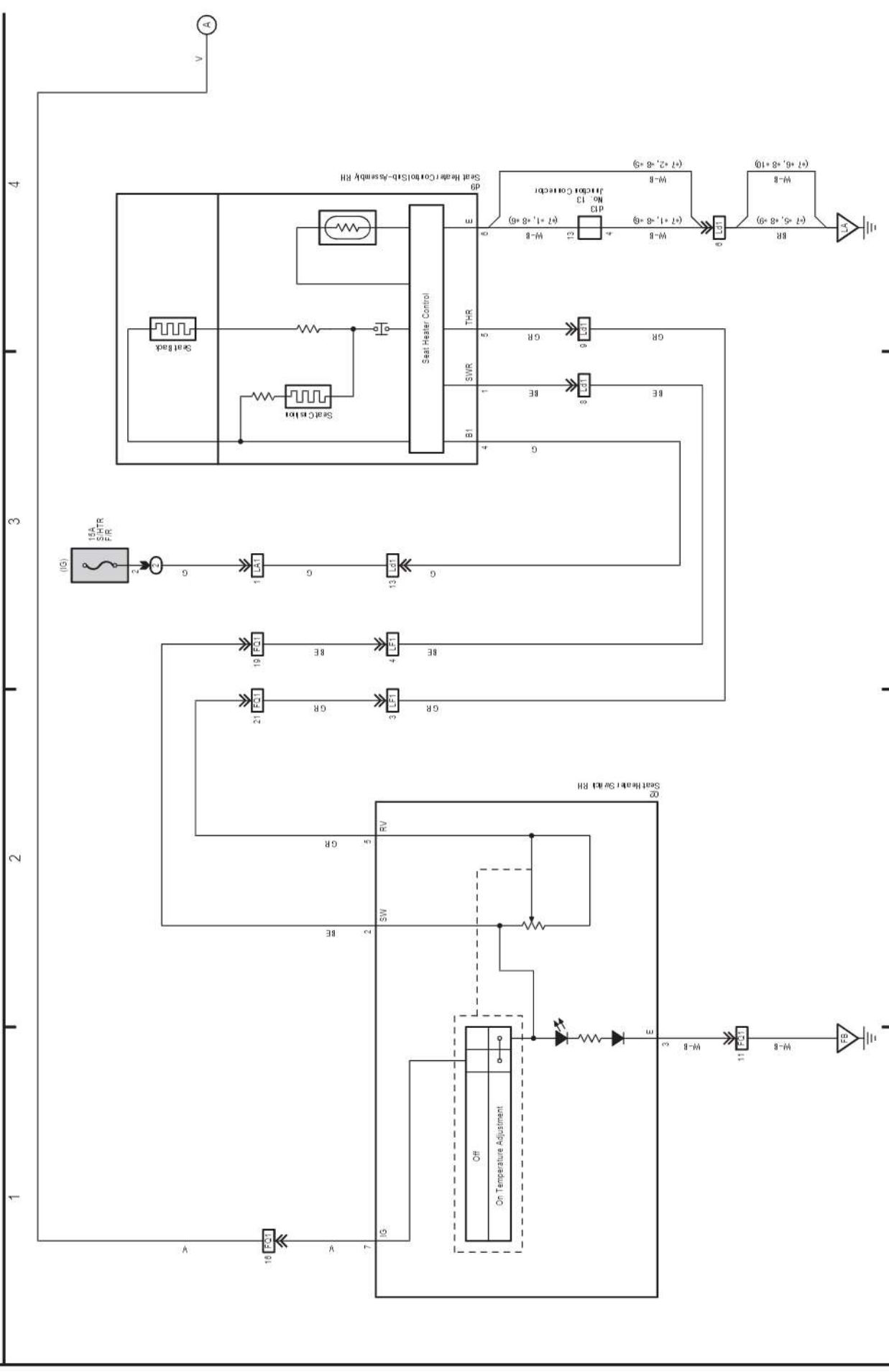


Climate Control Seat, Seat Heater (Front Seat w/ Climate Control Seat)

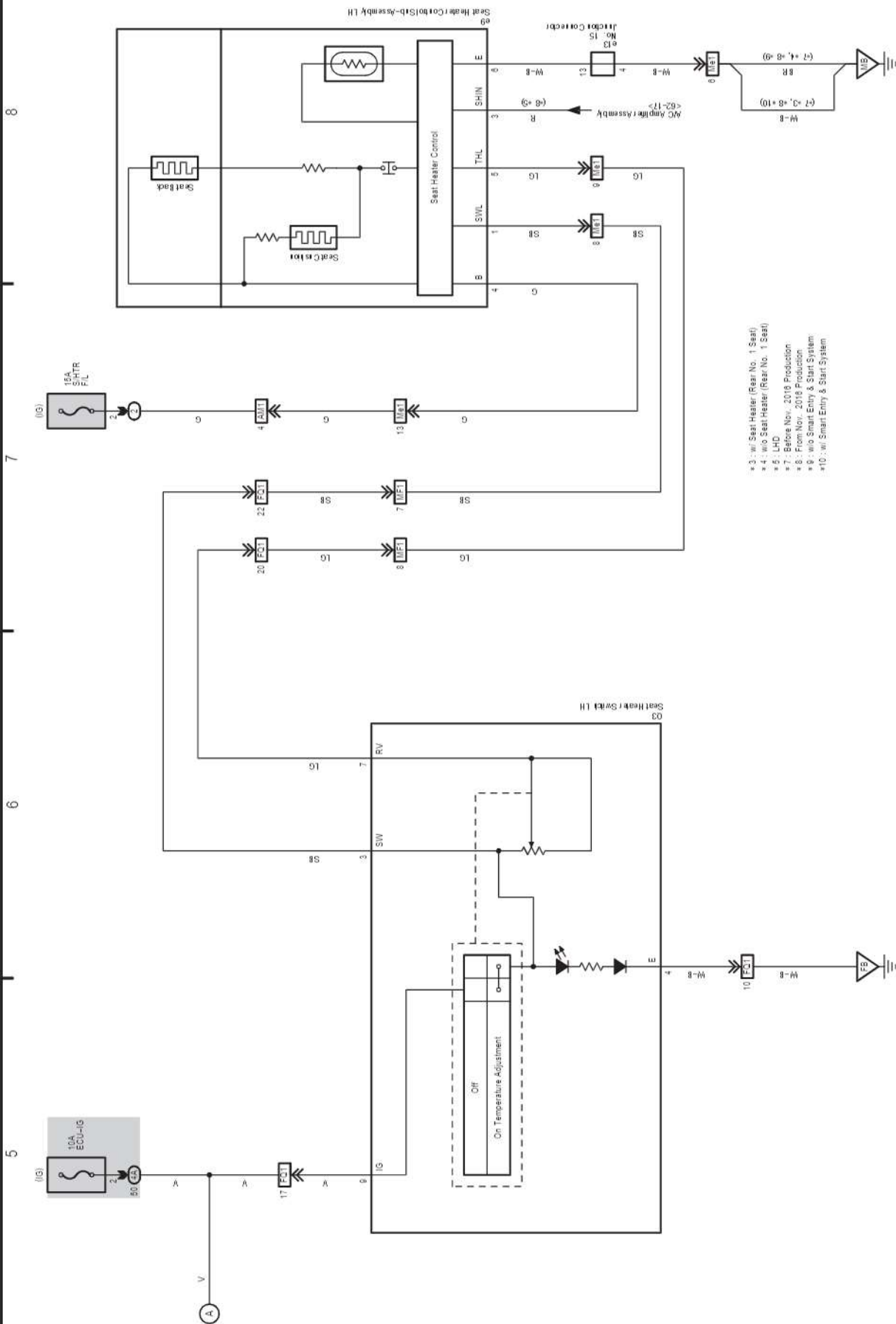
*1: LH
*2: RH



- * 2 : w/o Power Seat
- * 5 : LHD
- * 6 : RHD
- * 8 : From NOV. 2010 Production
- * 9 : w/o Smart Entry & Start System
- * 10 : w/ Smart Entry & Start System



Seat Heater (Front Seat w/o Climate Control Seat)



Seat Heater (Rear No. 1 Seat)

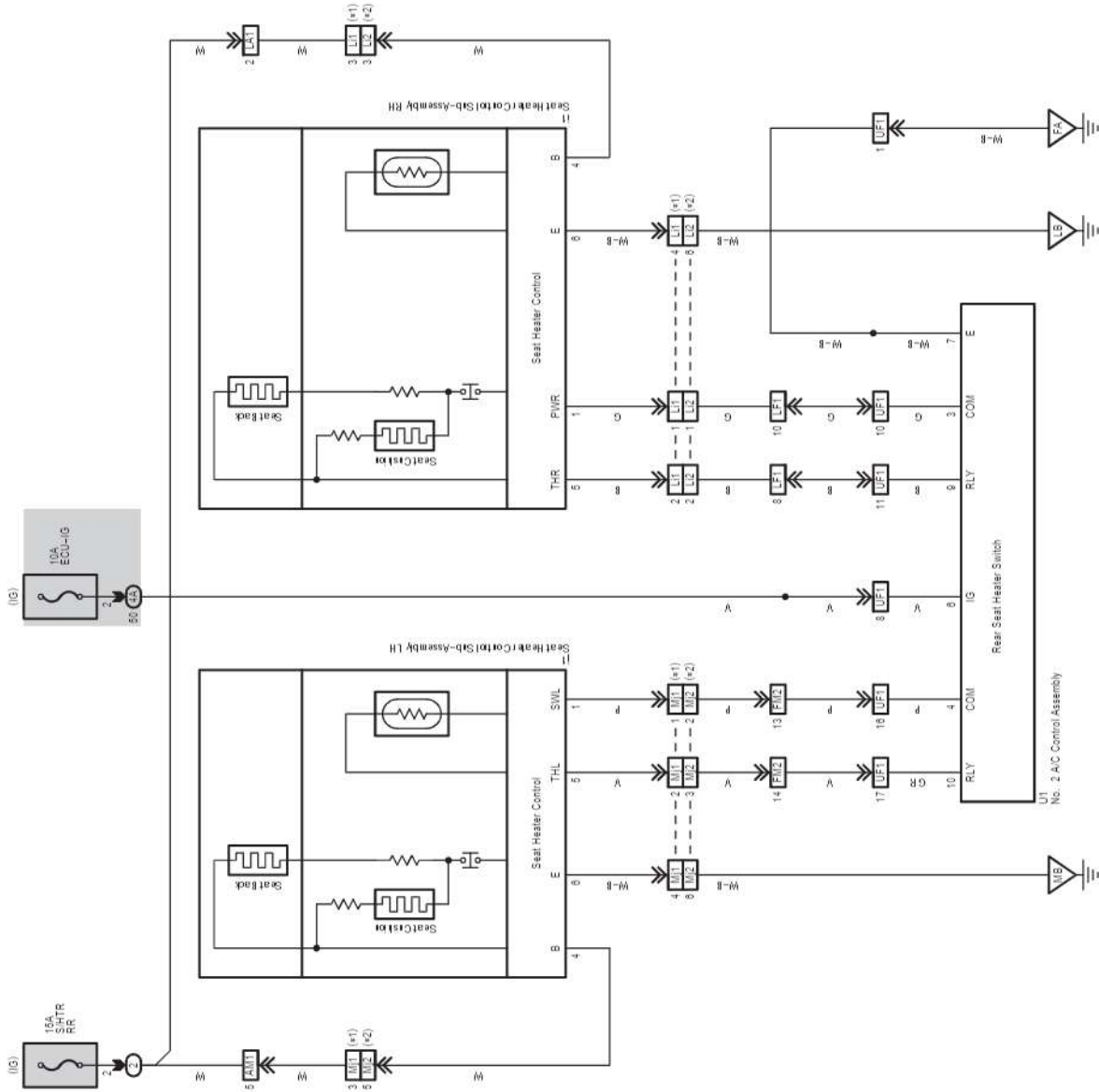
*1 : Before Nov. 2016 Production
*2 : From Nov. 2016 Production

4

3

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4

3

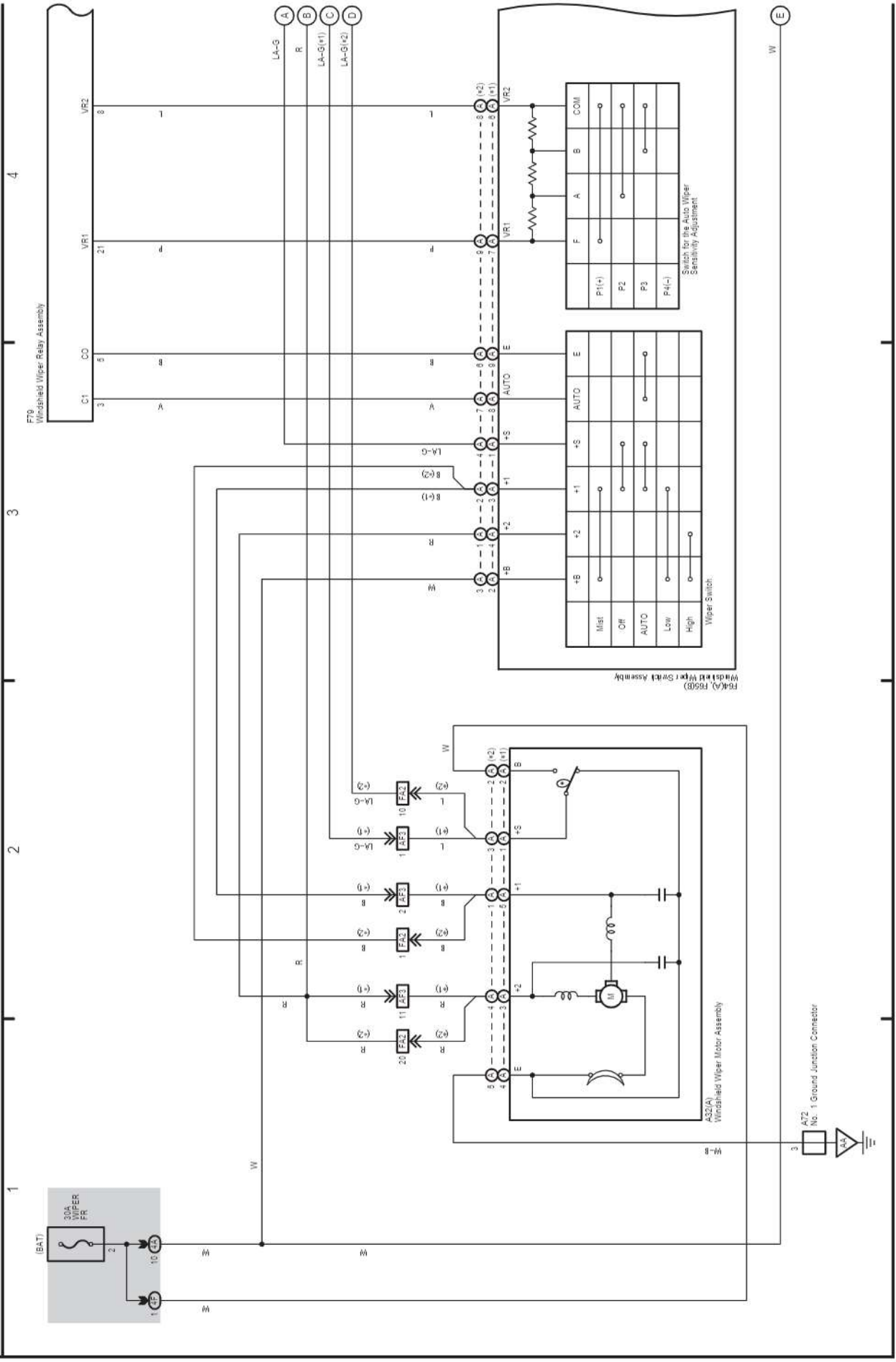
2





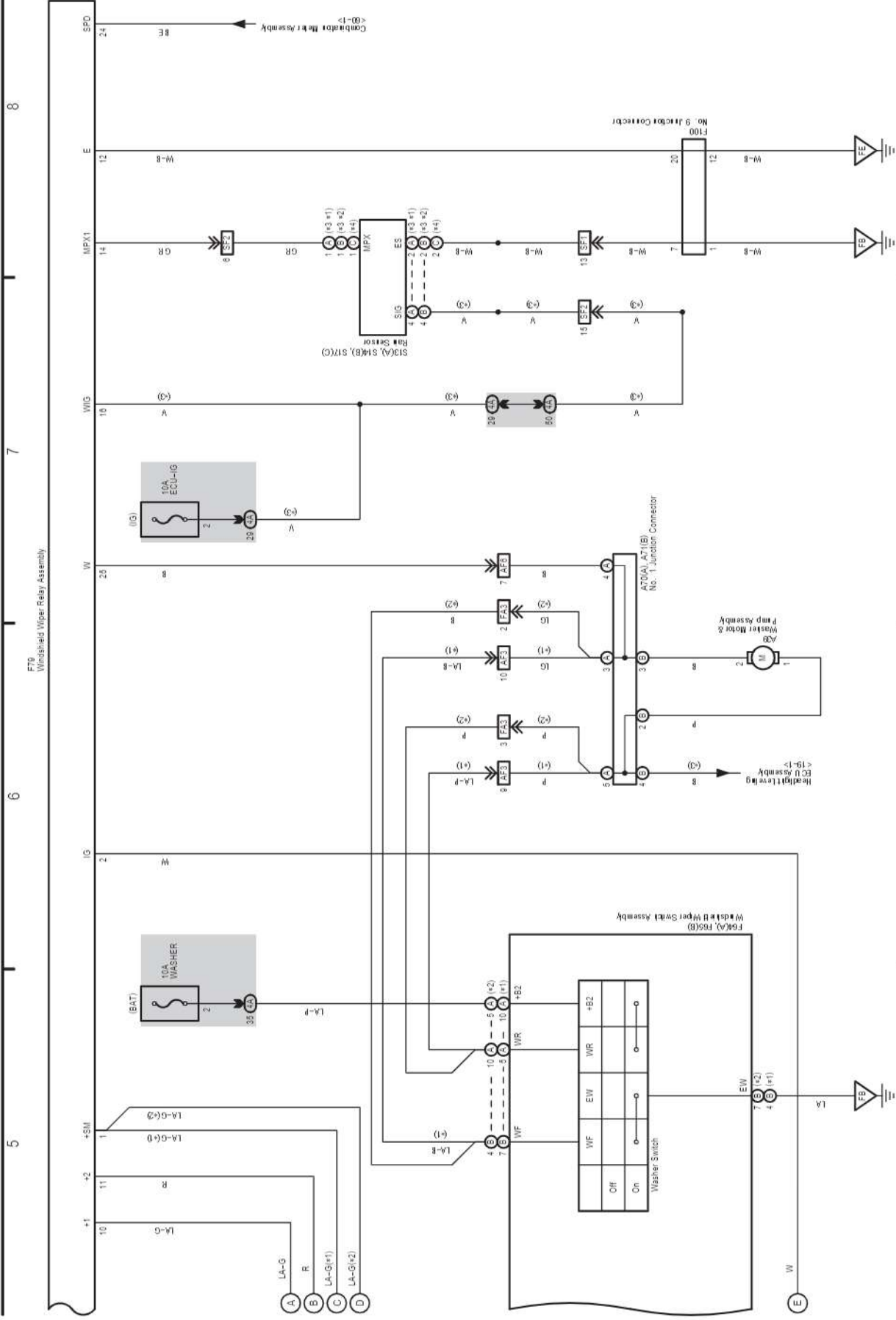
Front Wiper and Washer (w/ Auto Wiper System)

*1: LHQ
*2: RHD

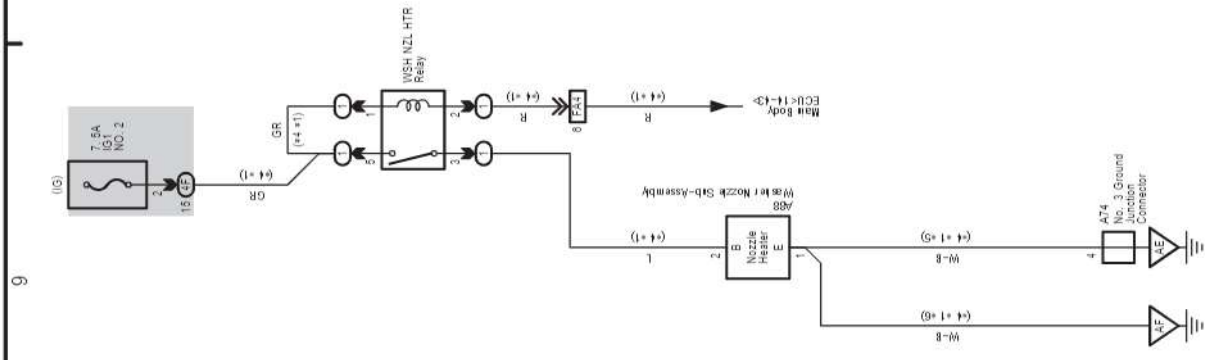


- *1 : LHD
- *2 : RHD
- *3 : Before Nov. 2016 Production
- *4 : From Nov. 2016 Production

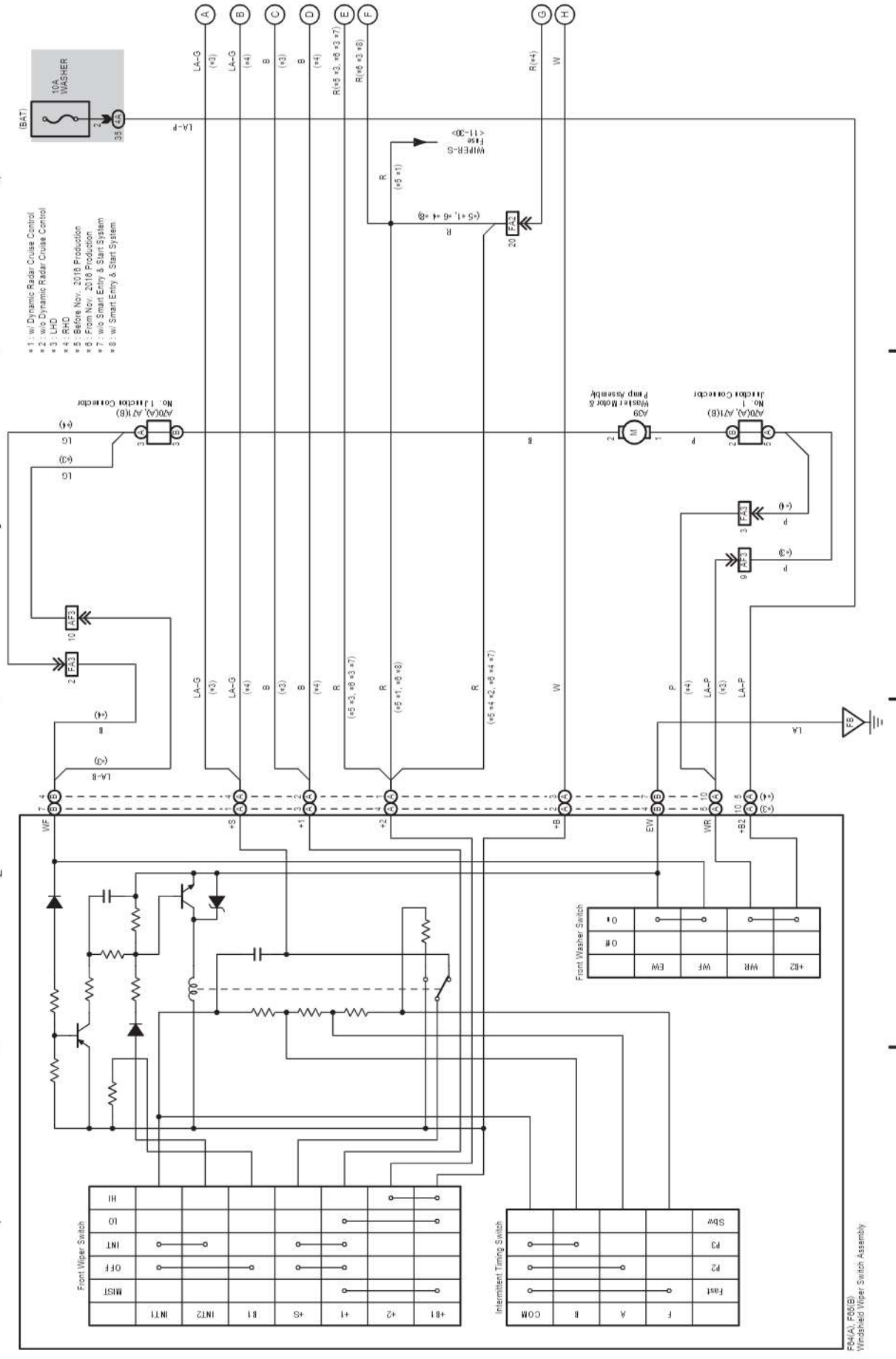
Front Wiper and Washer (w/ Auto Wiper System)



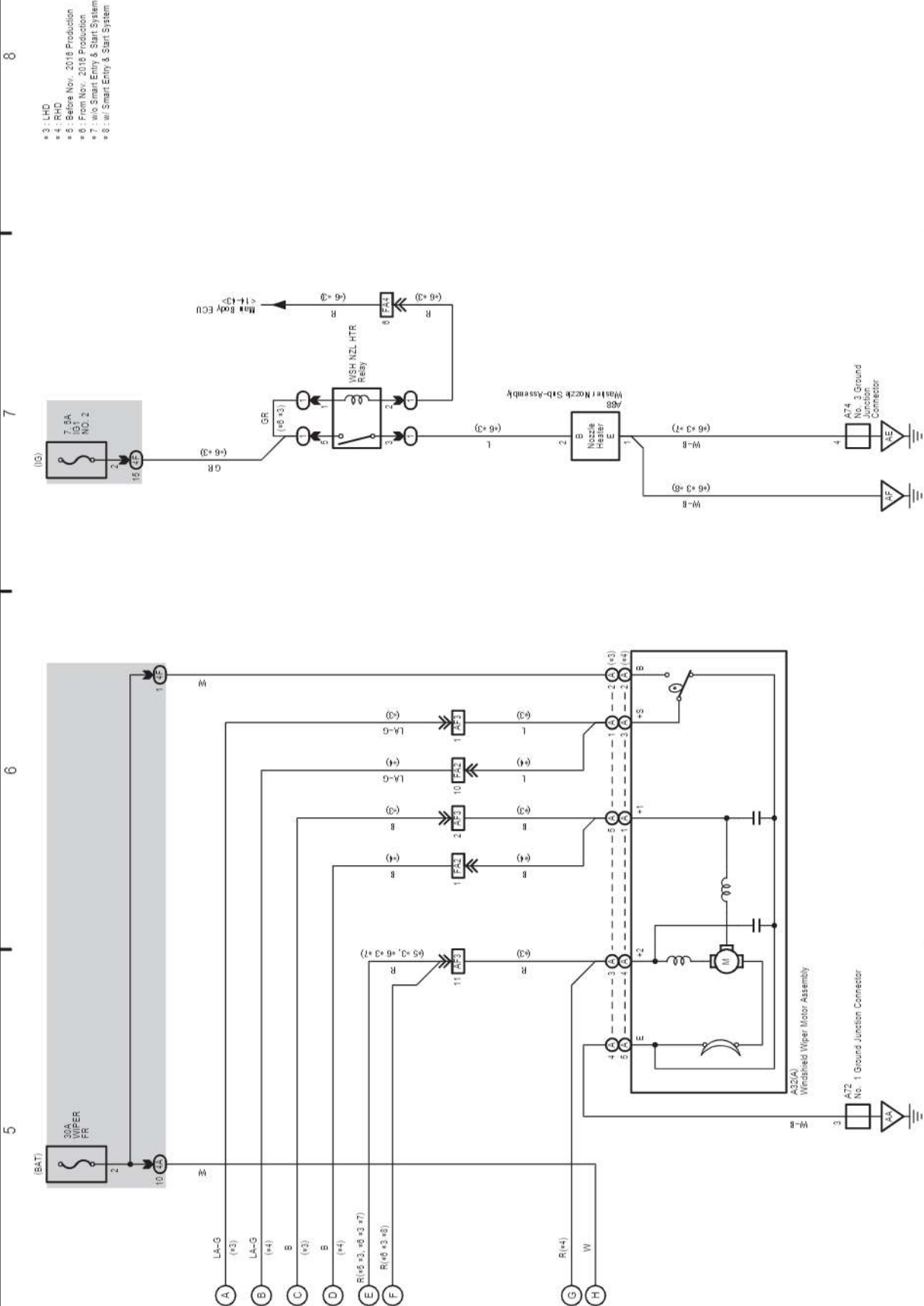
Front Wiper and Washer (w/ Auto Wiper System)



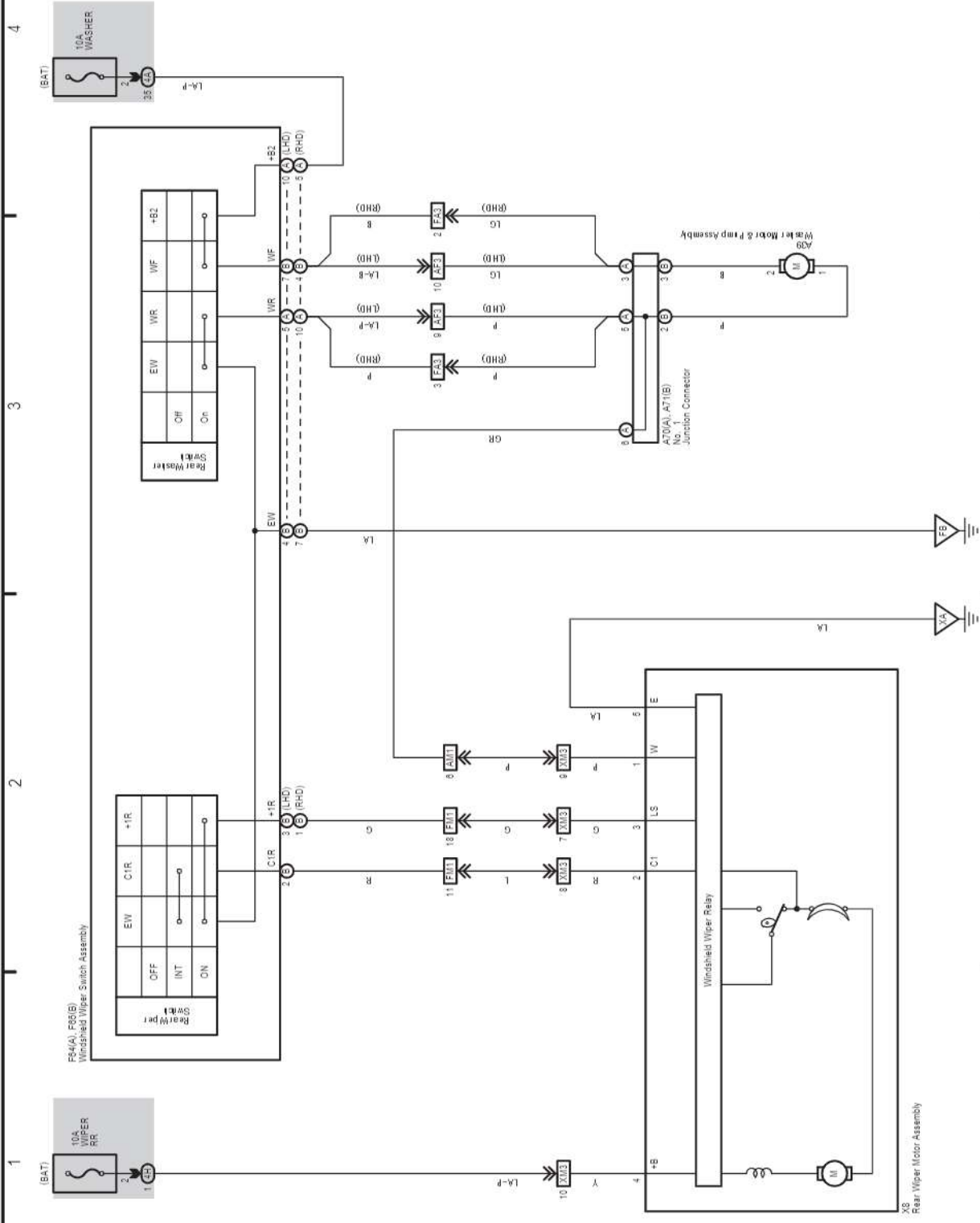
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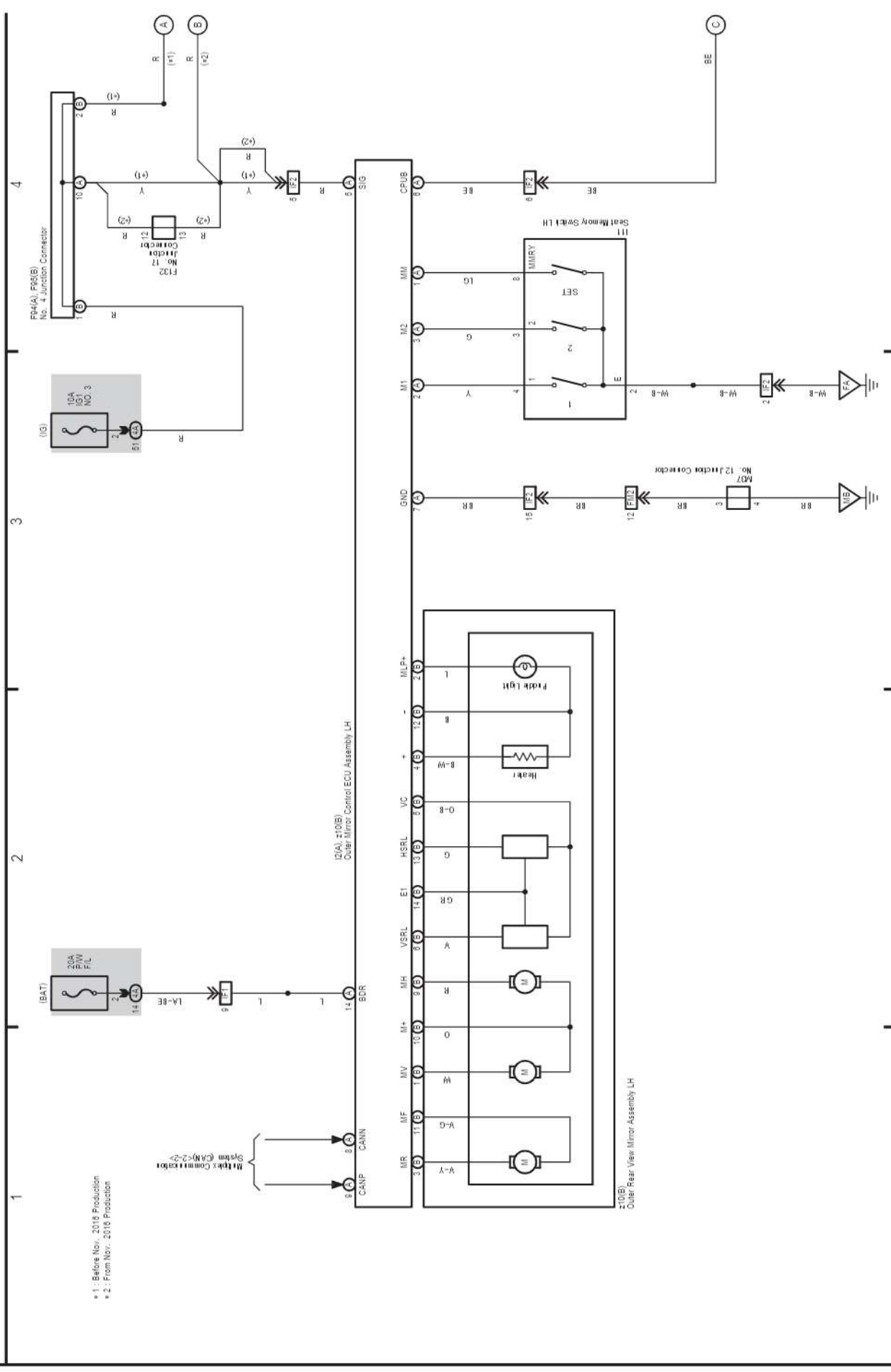
Front Wiper and Washer (w/o Auto Wiper System)



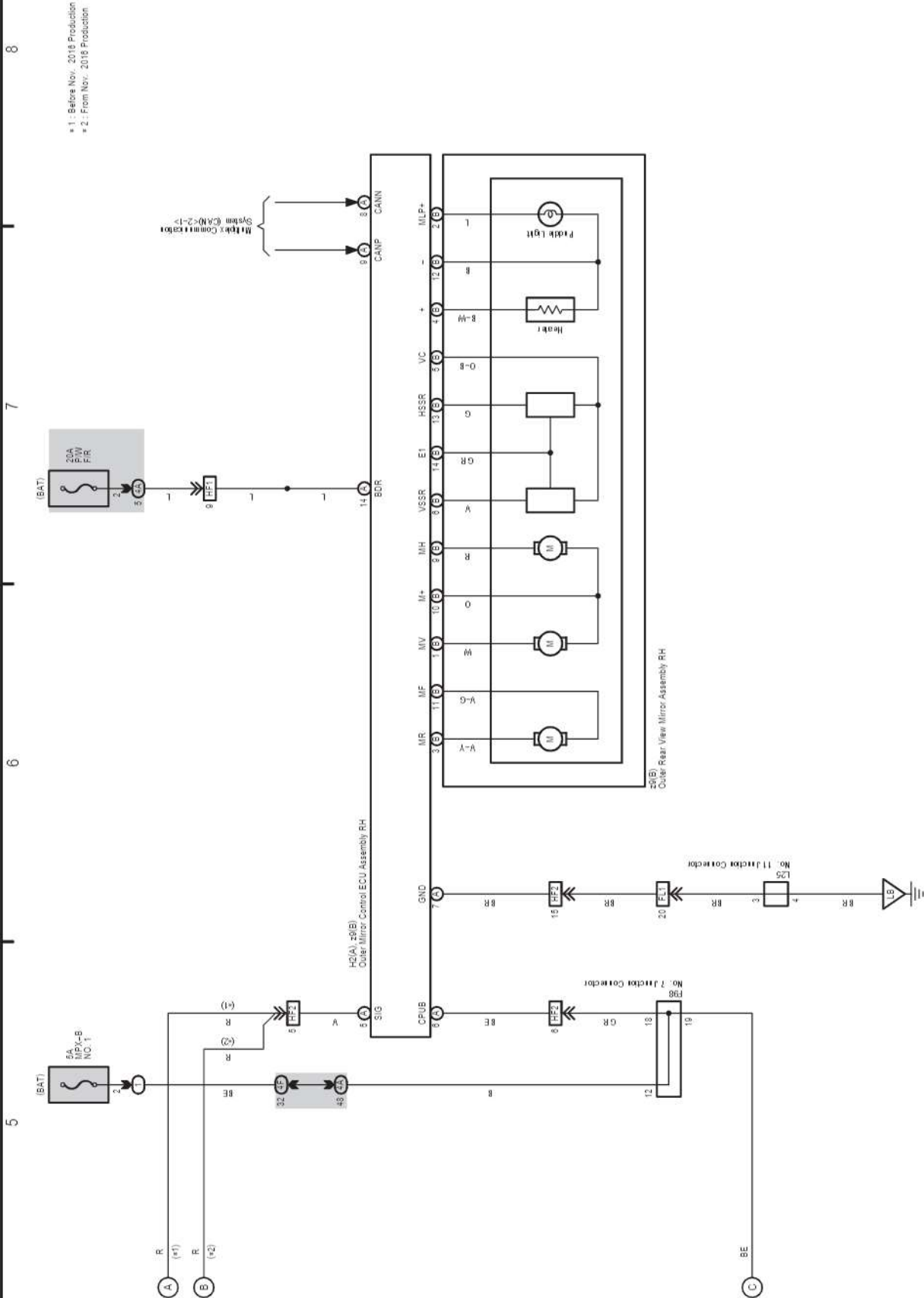
Rear Wiper and Washer



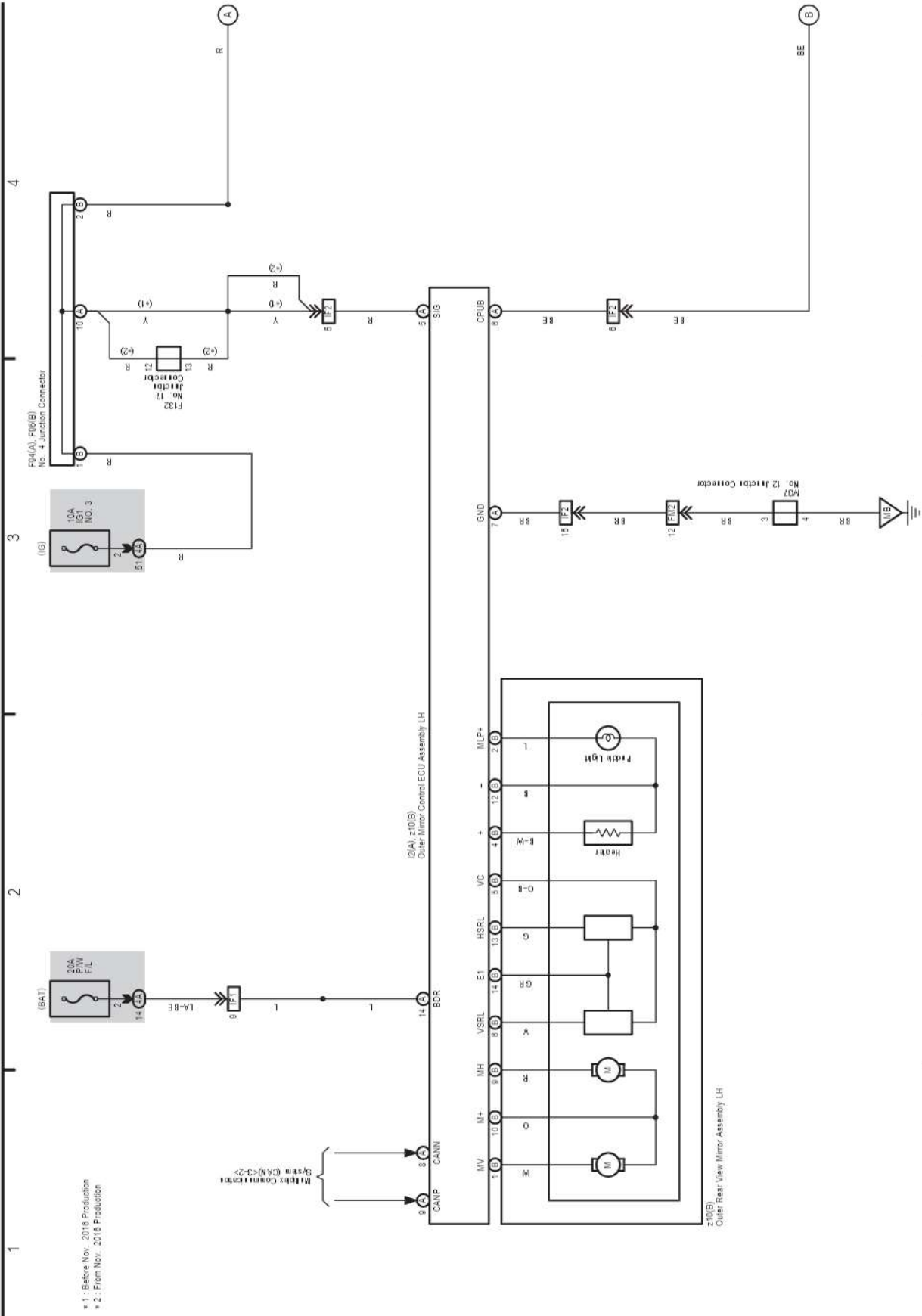
cardiagn.com



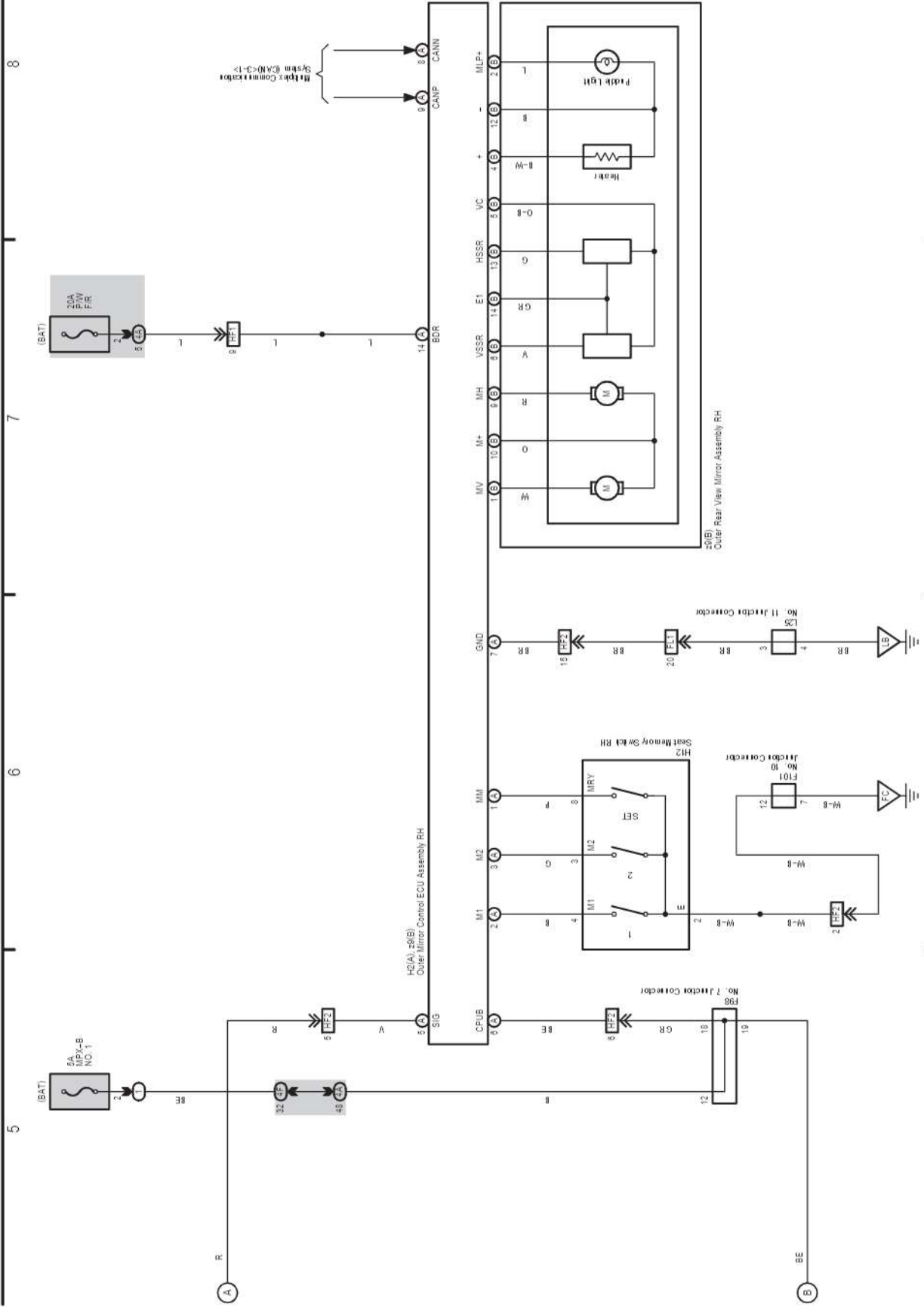
Mirror Heater (LHD w/ Seat Position Memory), Remote Control Mirror (LHD w/ Seat Position Memory)



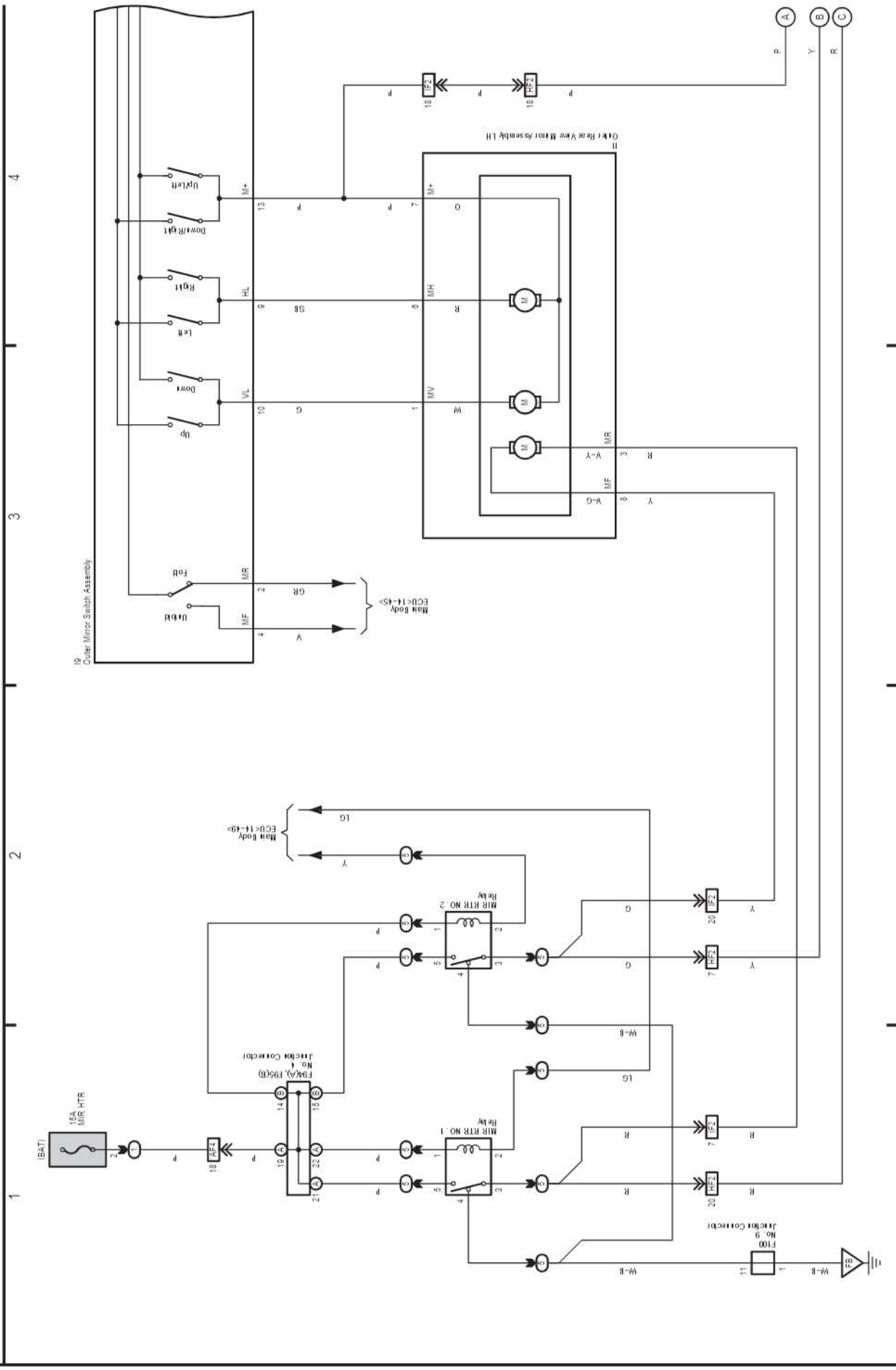
Mirror Heater (RHD w/ Seat Position Memory), Remote Control Mirror (RHD w/ Seat Position Memory)

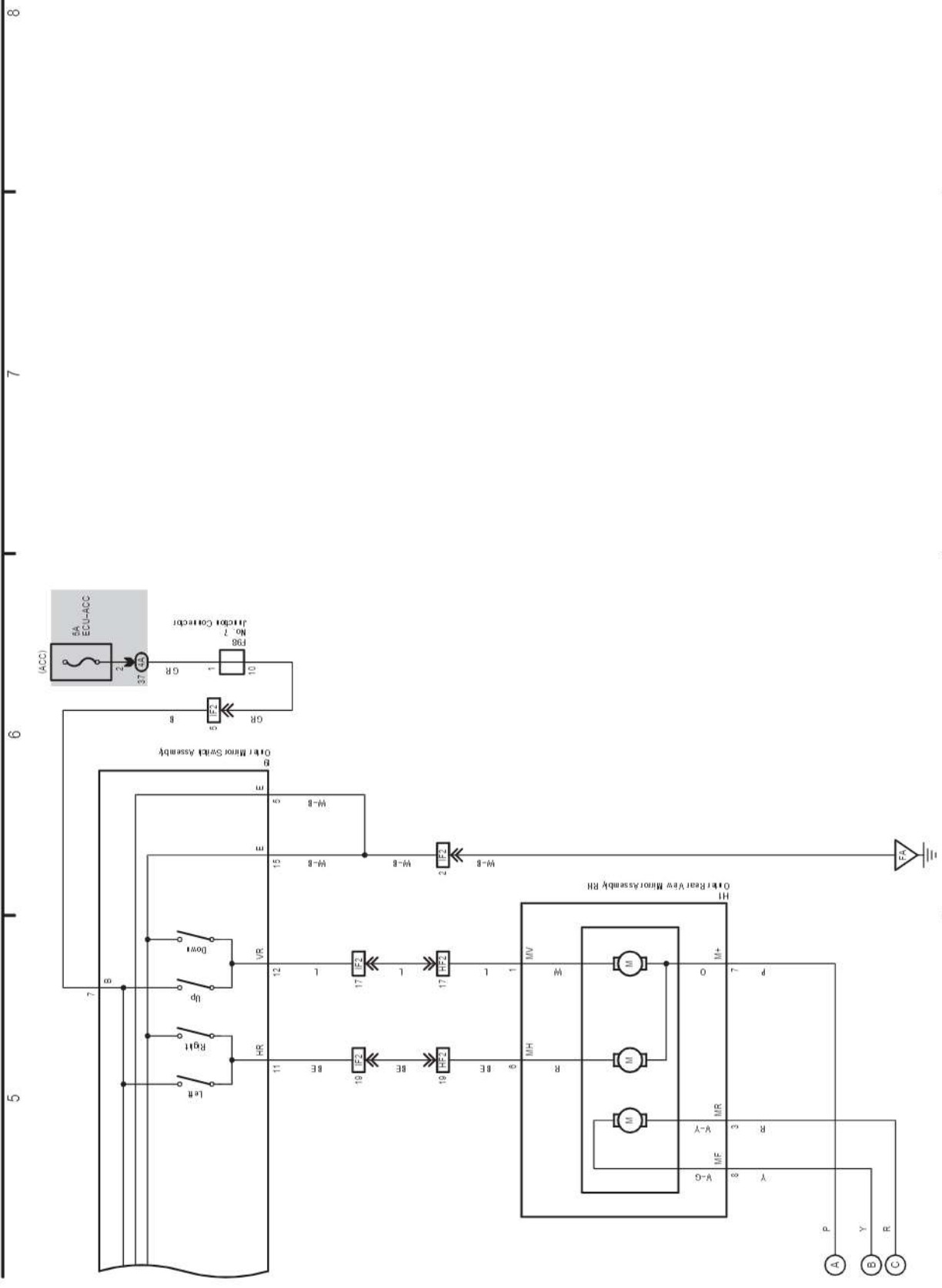


Mirror Heater (RHD w/ Seat Position Memory), Remote Control Mirror (RHD w/ Seat Position Memory)



Remote Control Mirror (LHD w/o Seat Position Memory)





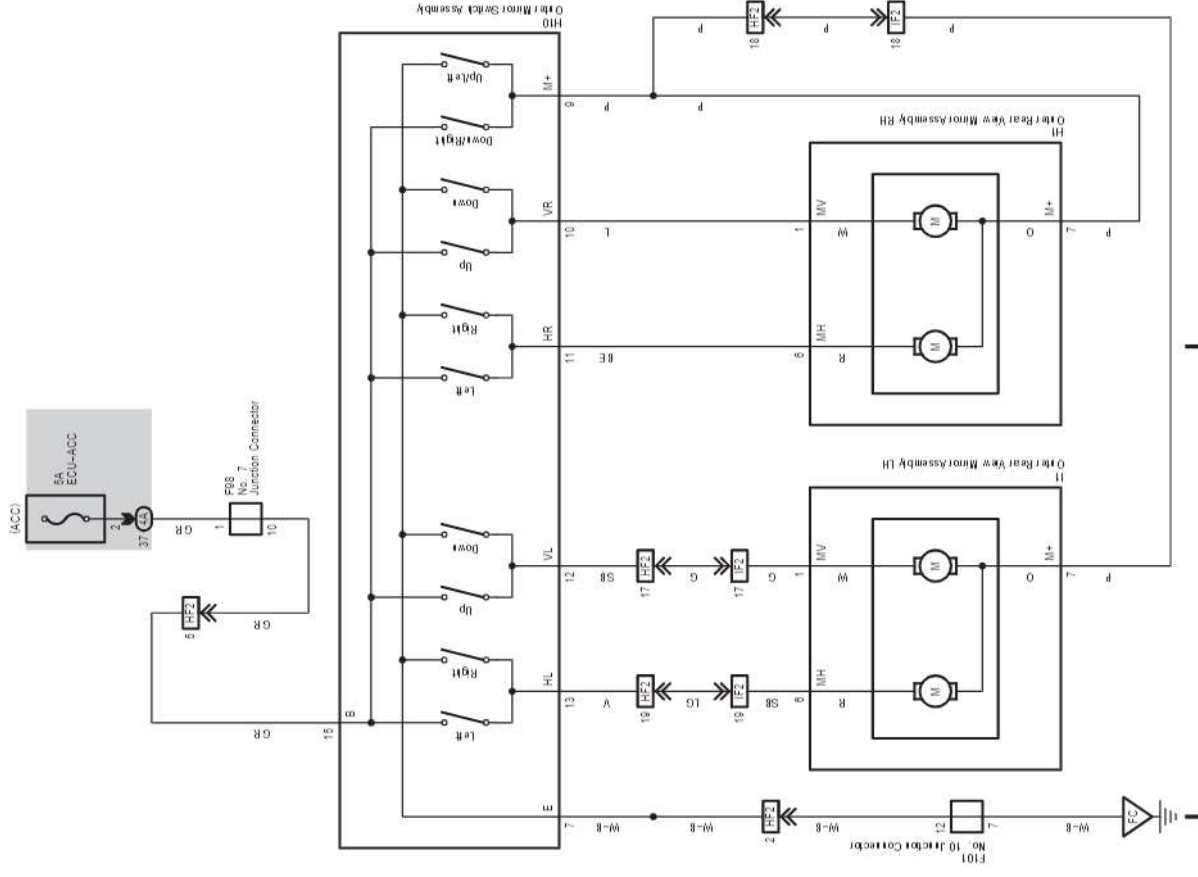
Remote Control Mirror (RHD w/o Seat Position Memory)

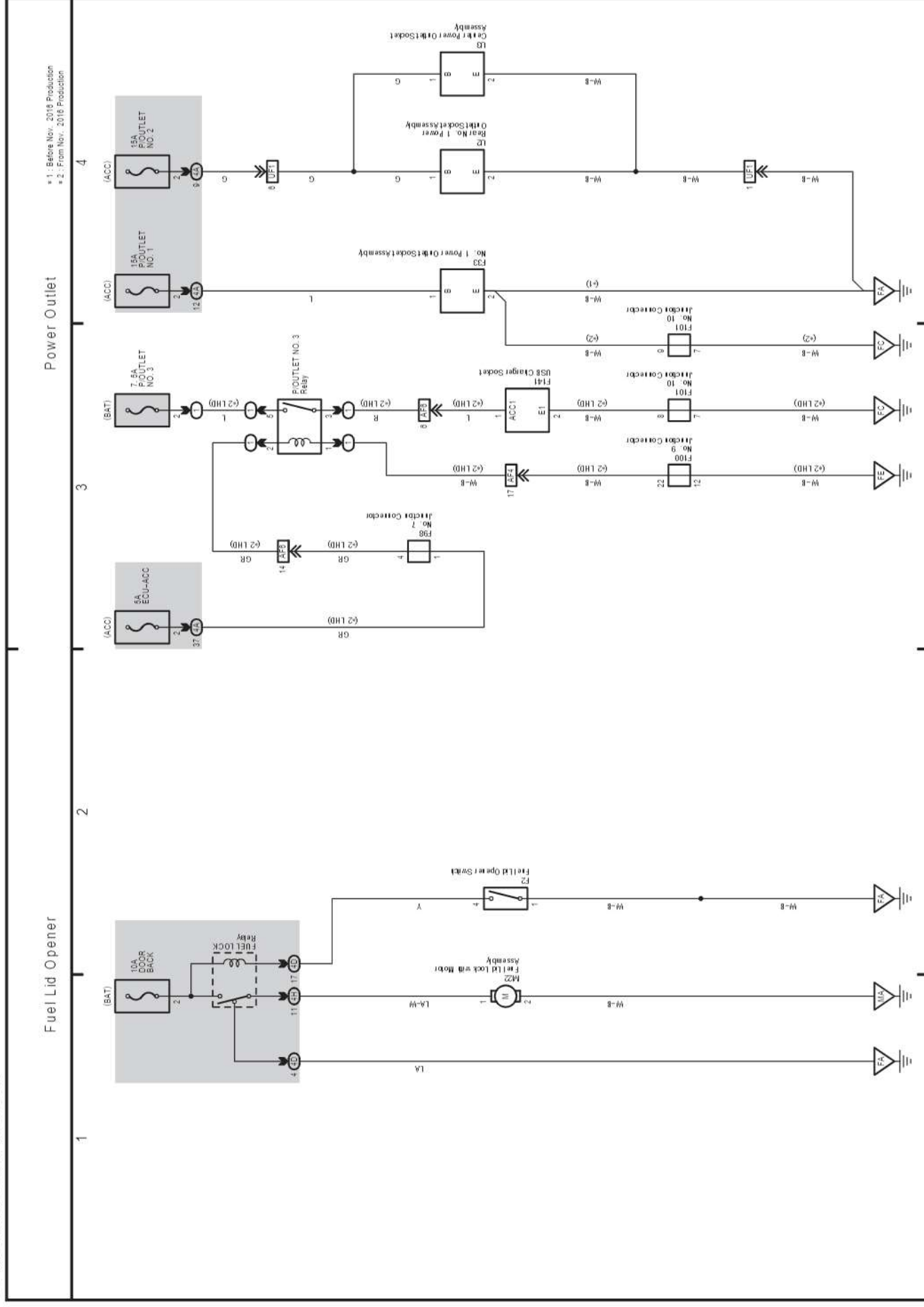
4

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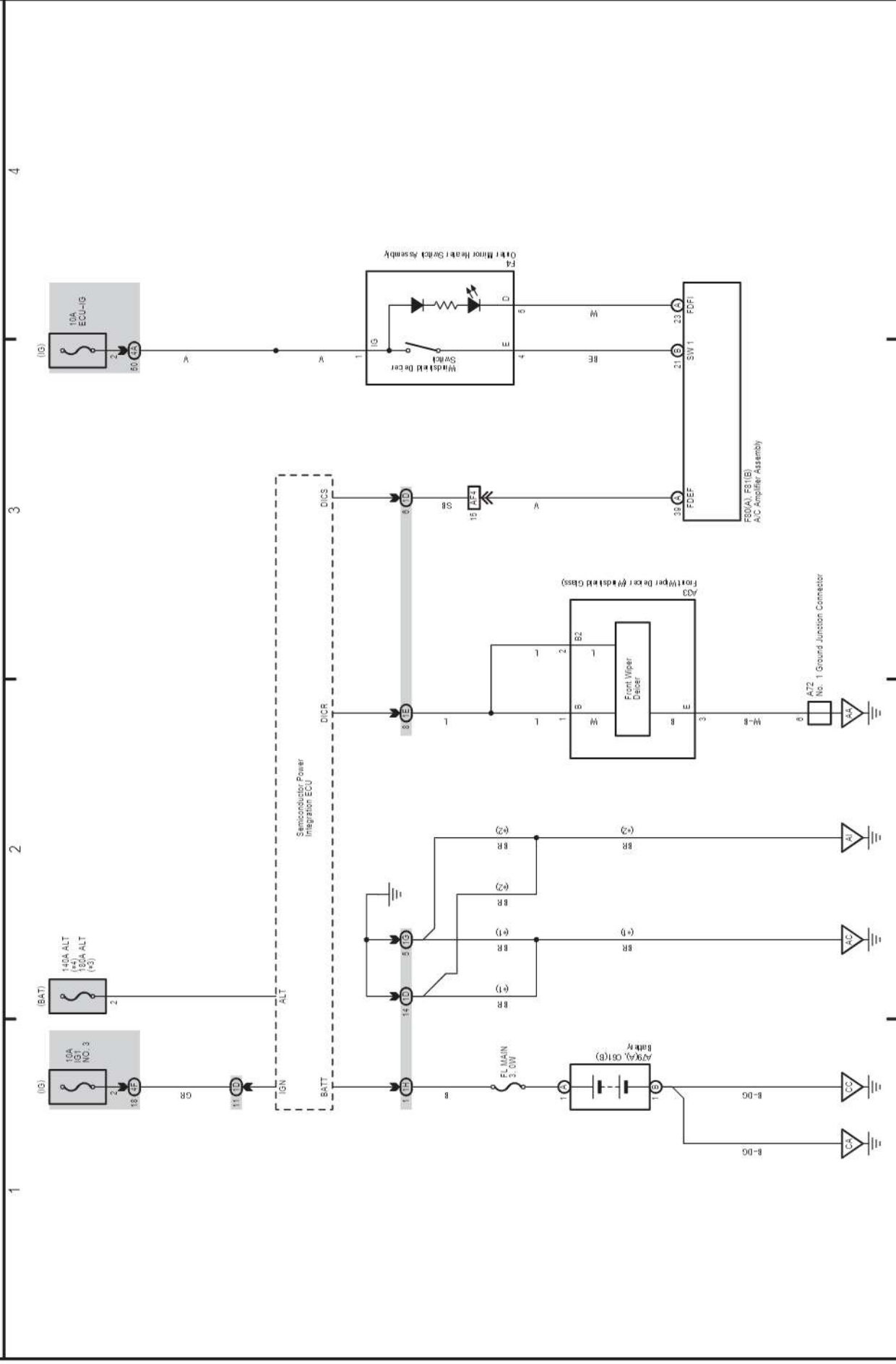


Clock

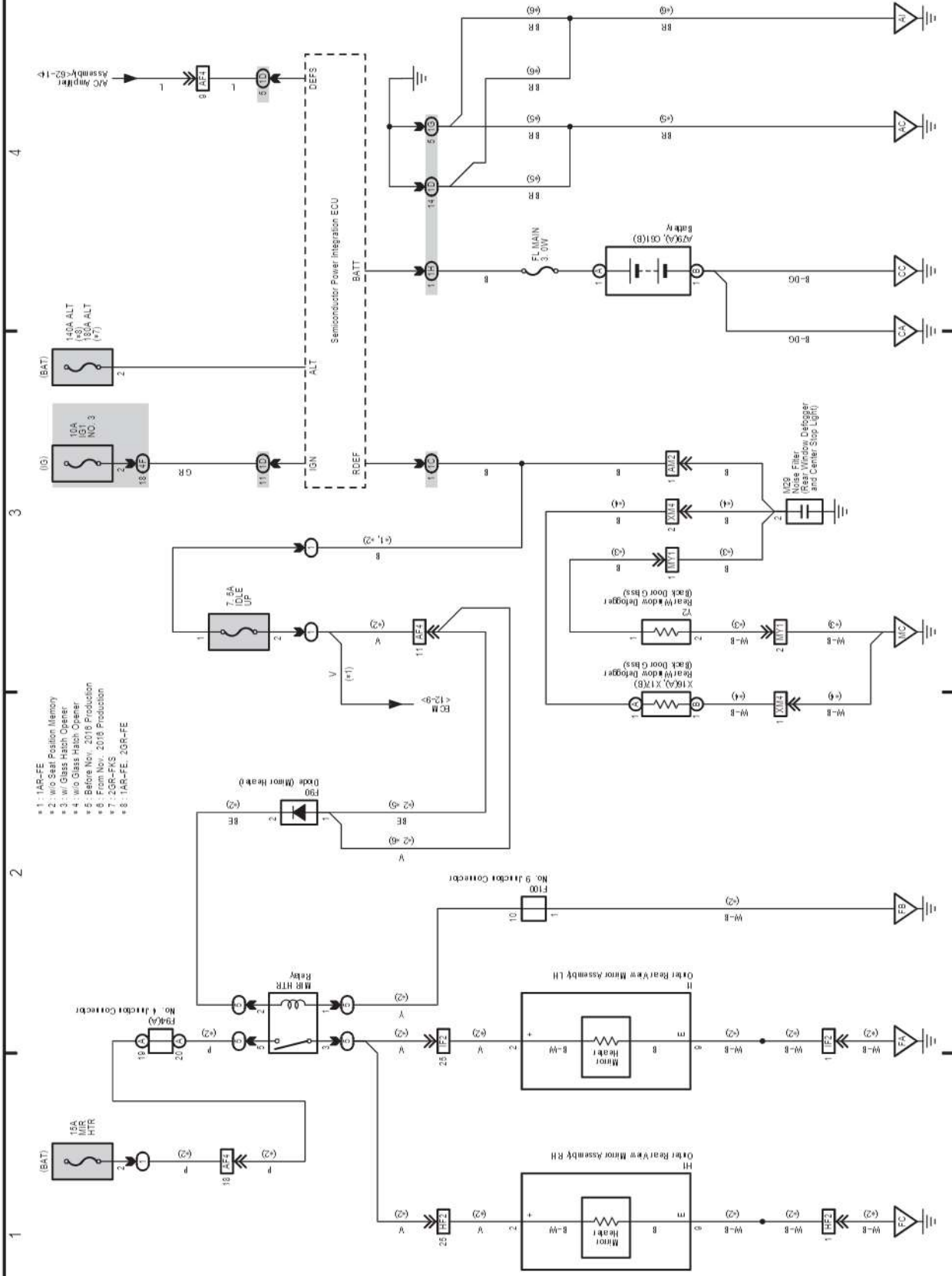


Windshield Deicer

- * 1 : Before Nov. 2016 Production
- * 2 : From Nov. 2016 Production
- * 3 : 2GR-FKS
- * 4 : 1AR-FE, 2GR-FE



Mirror Heater (w/o Seat Position Memory), Rear Window Defogger

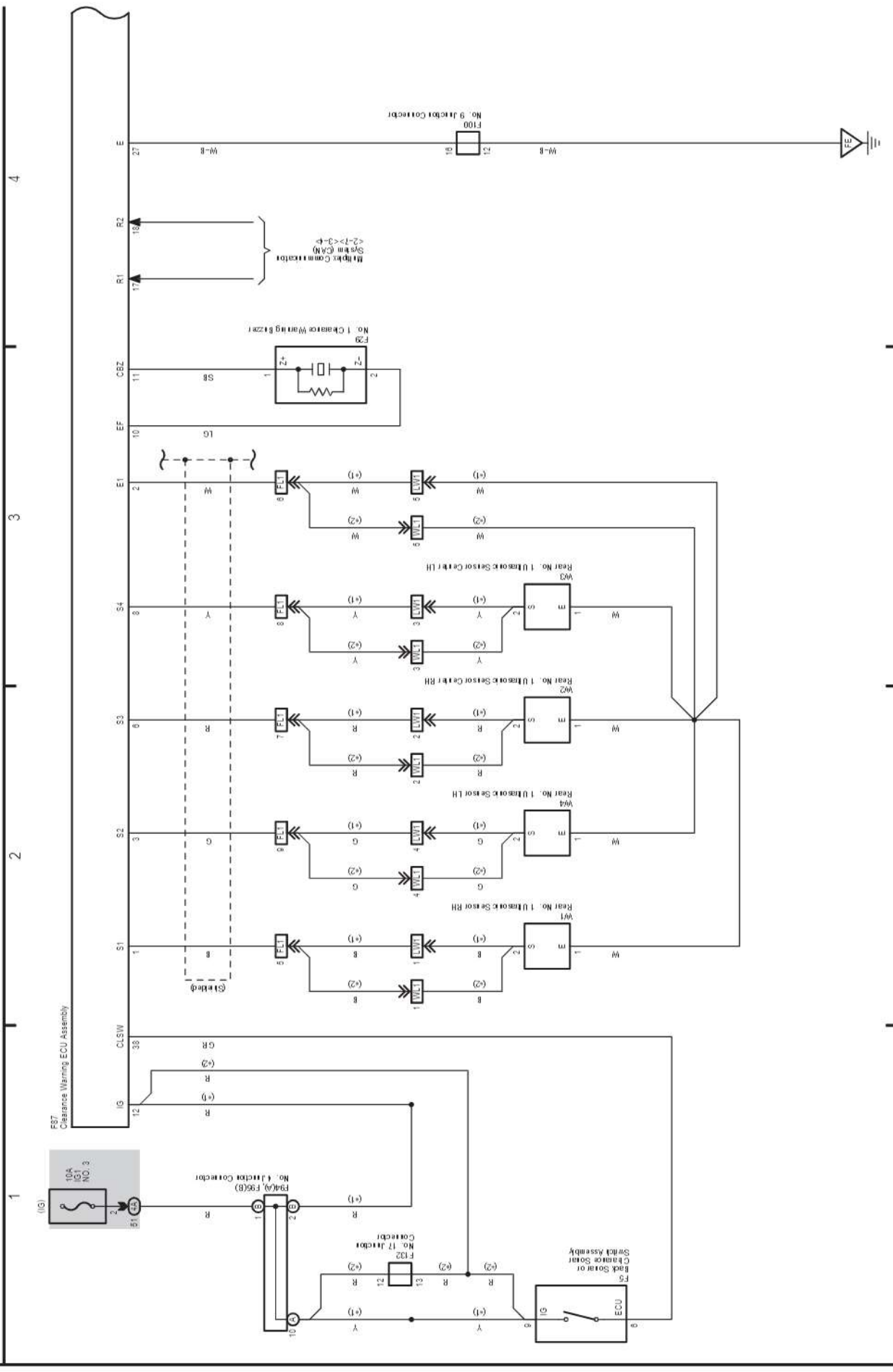


8



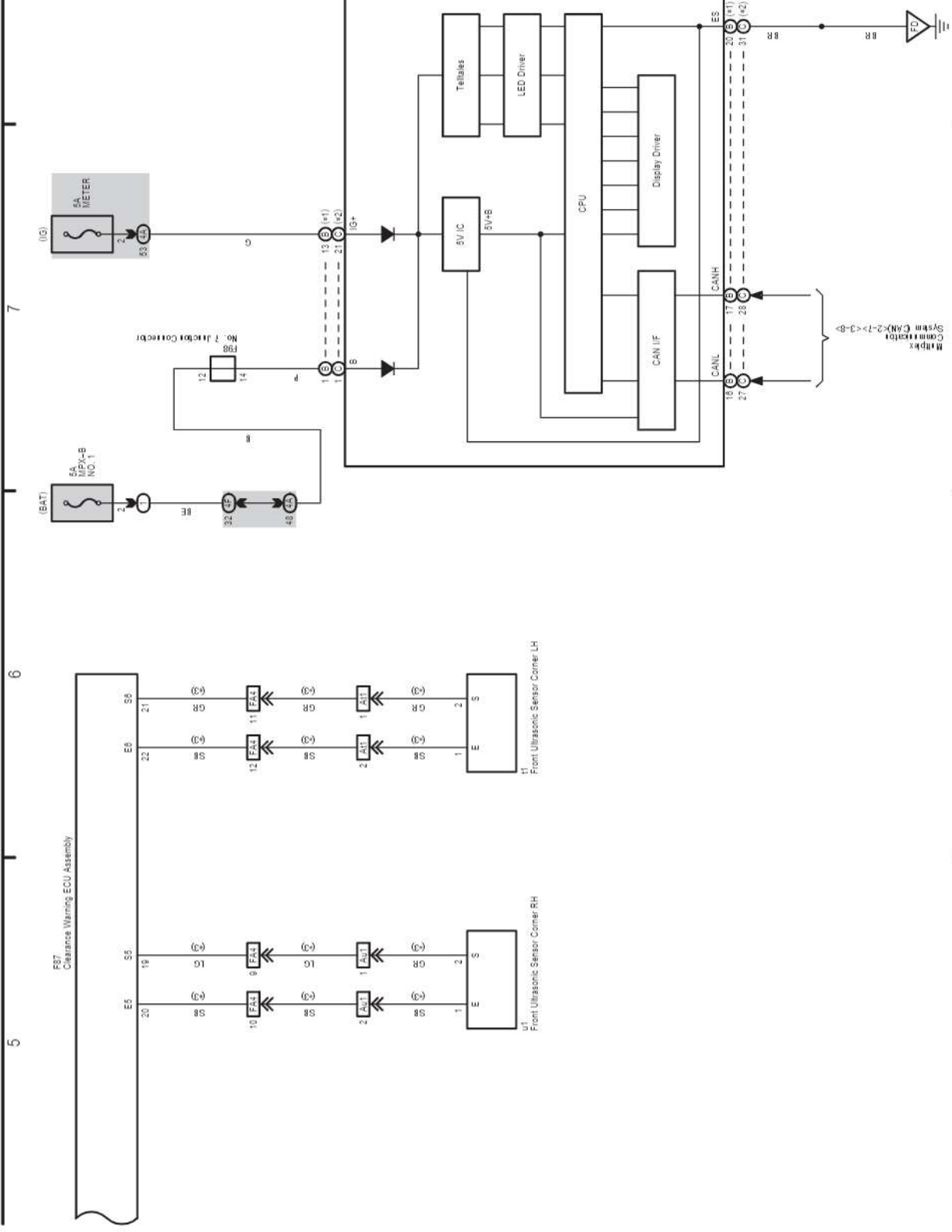
* 1 : Before Nov. 2016 Production
* 2 : From Nov. 2016 Production

* 1 : Before Nov. 2016 Production
* 2 : From Nov. 2016 Production

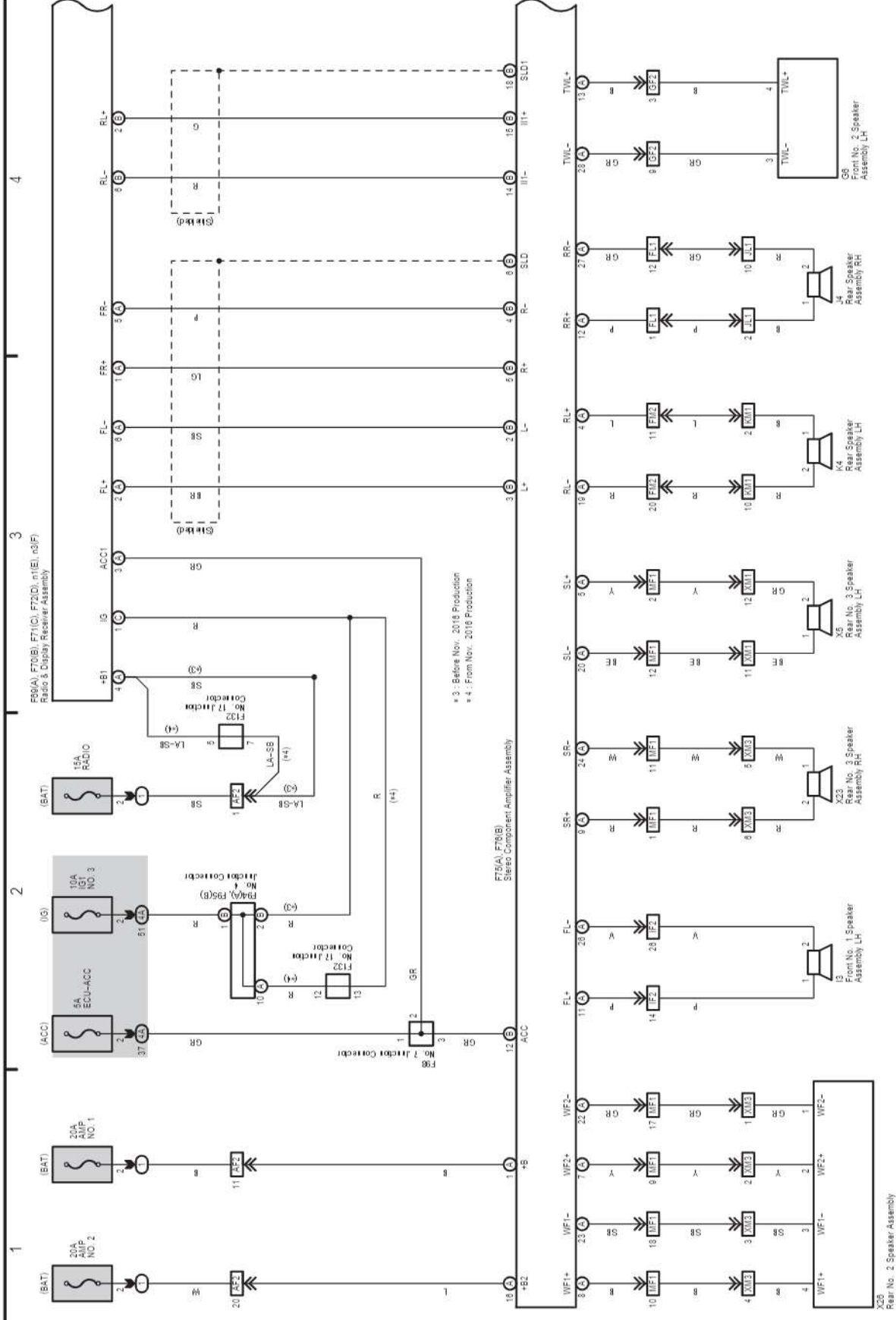


8

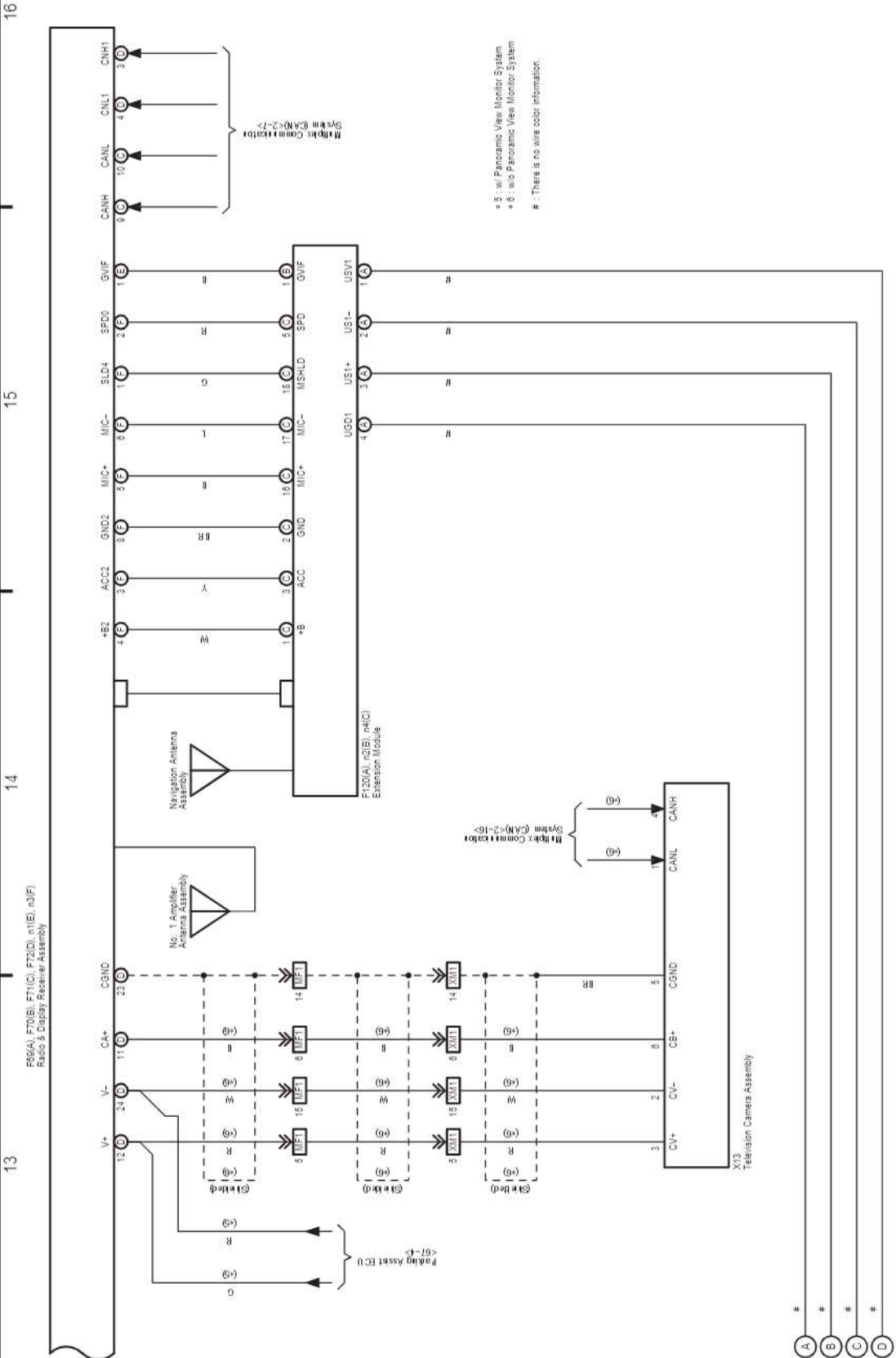
7



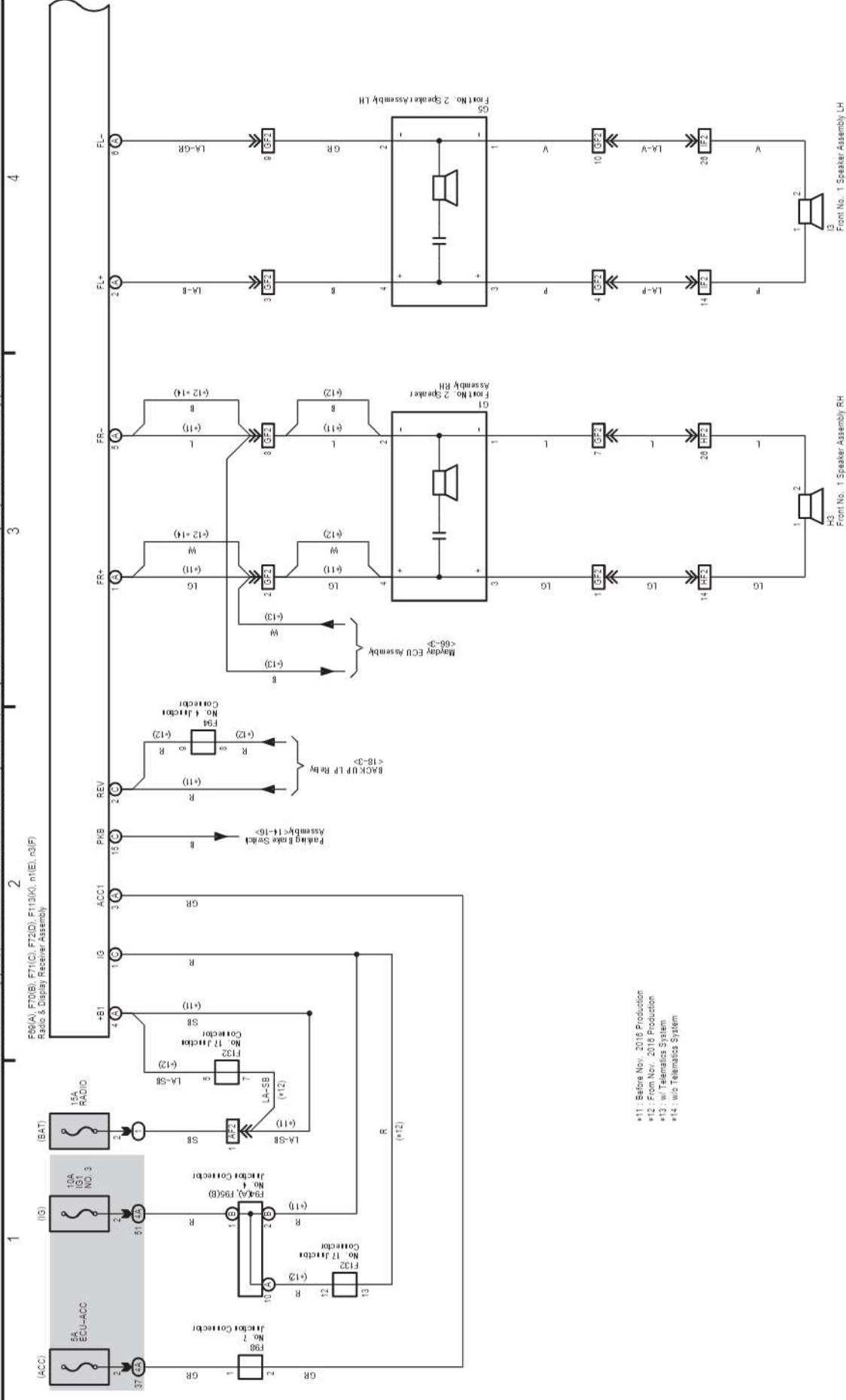
Audio System (12 Speaker Radio & Display Receiver Type), Back Guide Monitor System (12 Speaker Radio & Display Receiver Type), Navigation System (12 Speaker Radio & Display Receiver Type)



Audio System (12 Speaker Radio & Display Receiver Type), Back Guide Monitor System (12 Speaker Radio & Display Receiver Type), Navigation System (12 Speaker Radio & Display Receiver Type)



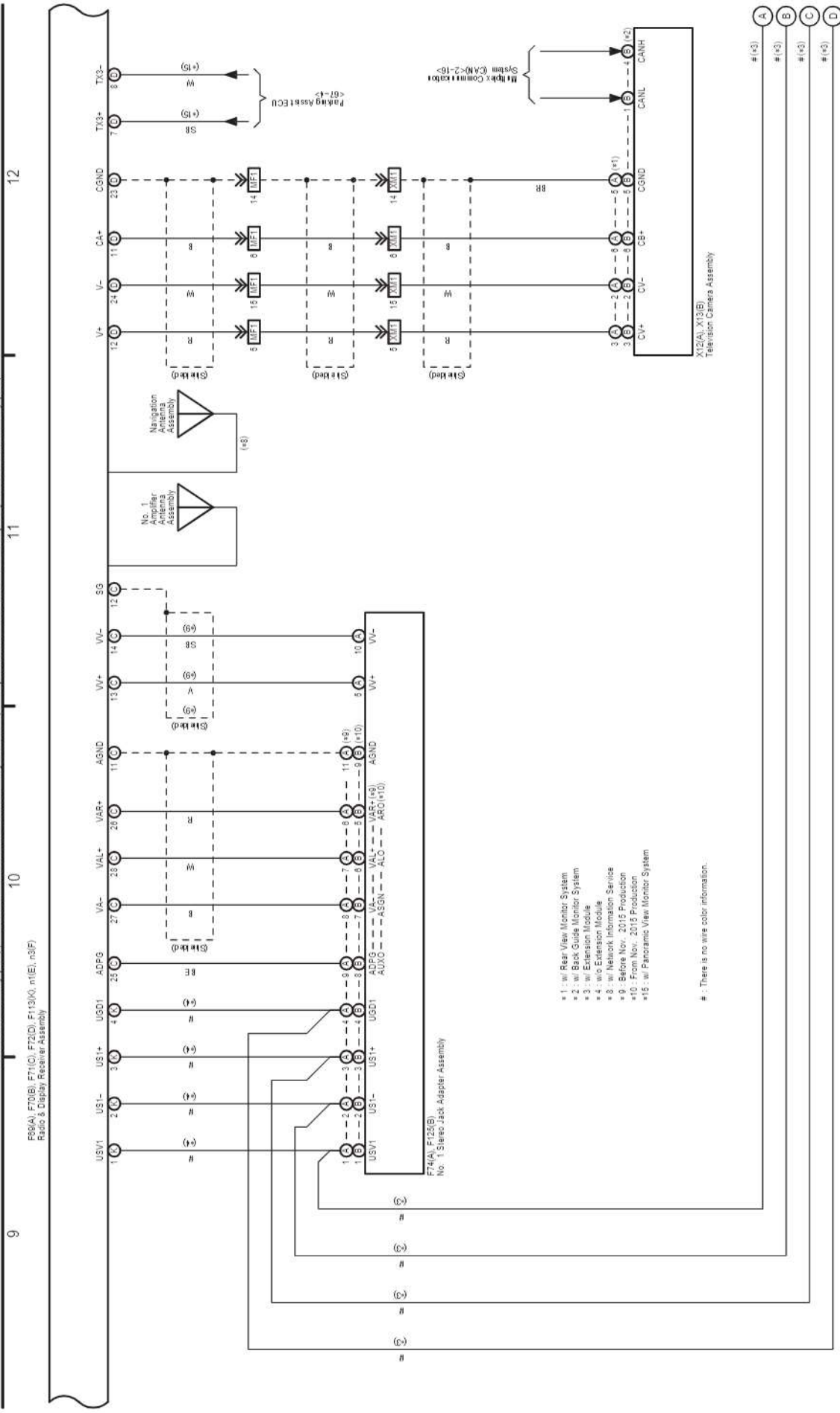
Audio System (6 Speaker Radio & Display Receiver Type), Back Guide Monitor System
(6 Speaker Radio & Display Receiver Type), Navigation System (6 Speaker Radio & Display
Receiver Type), Rear View Monitor System (6 Speaker Radio & Display Receiver Type)



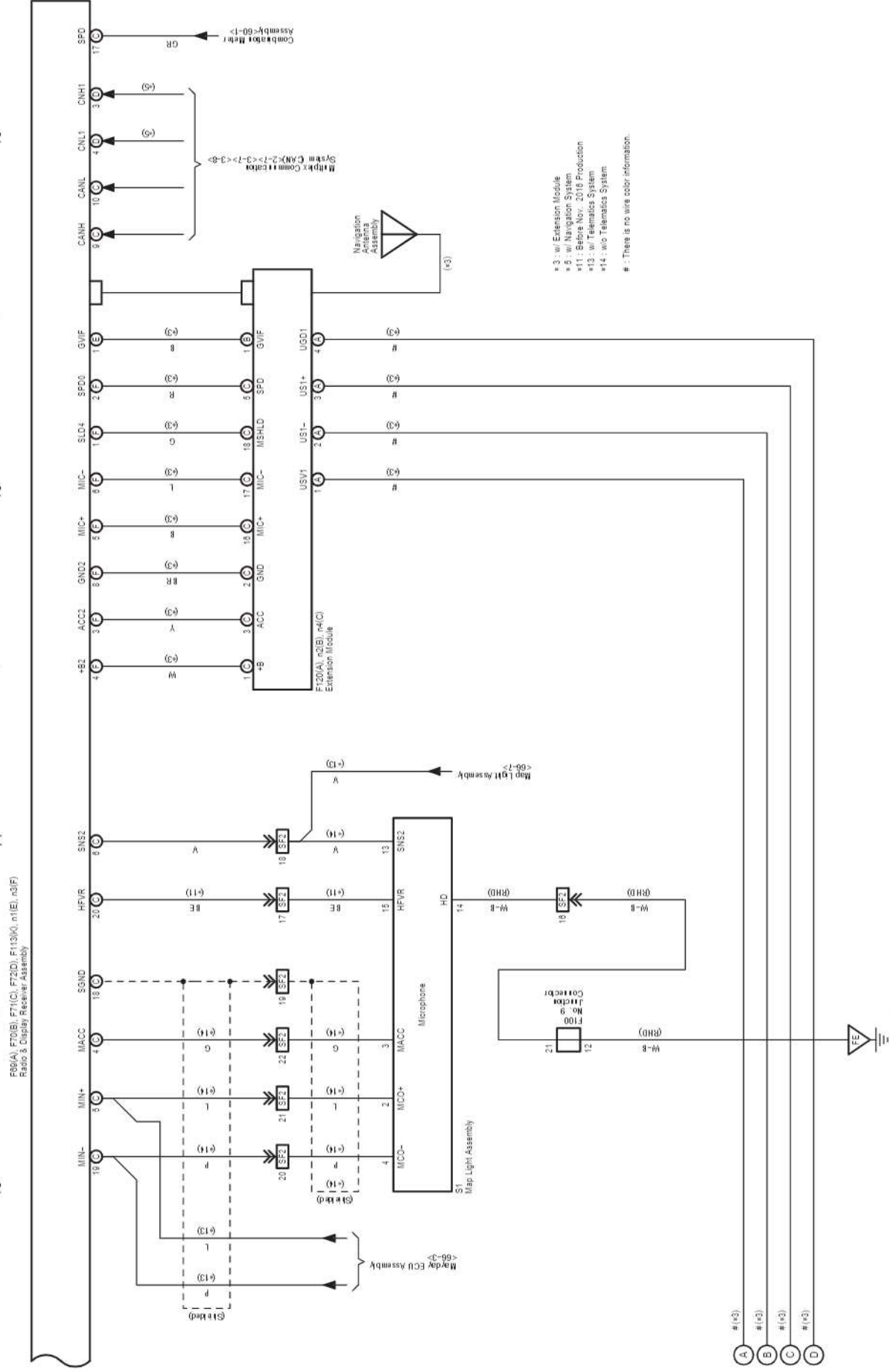
*11 : Before Nov. 2016 Production
*12 : From Nov. 2016 Production
*13 : w/ Telematics System
*14 : w/o Telematics System

F69(A), F70(B), F71(C), F72(D), F113(K), n1(E), n3(F)
Radio & Display Receiver Assembly

12

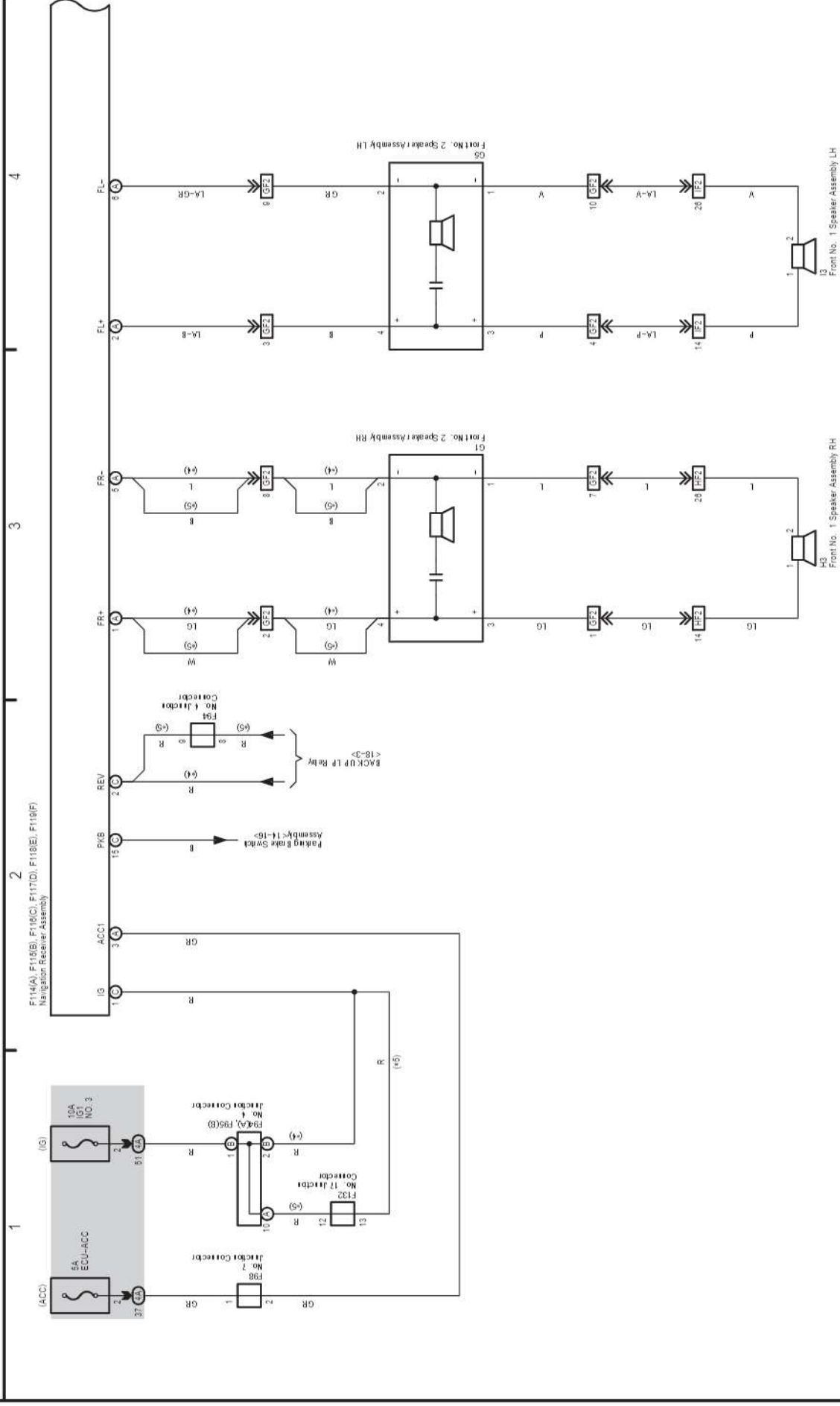


13

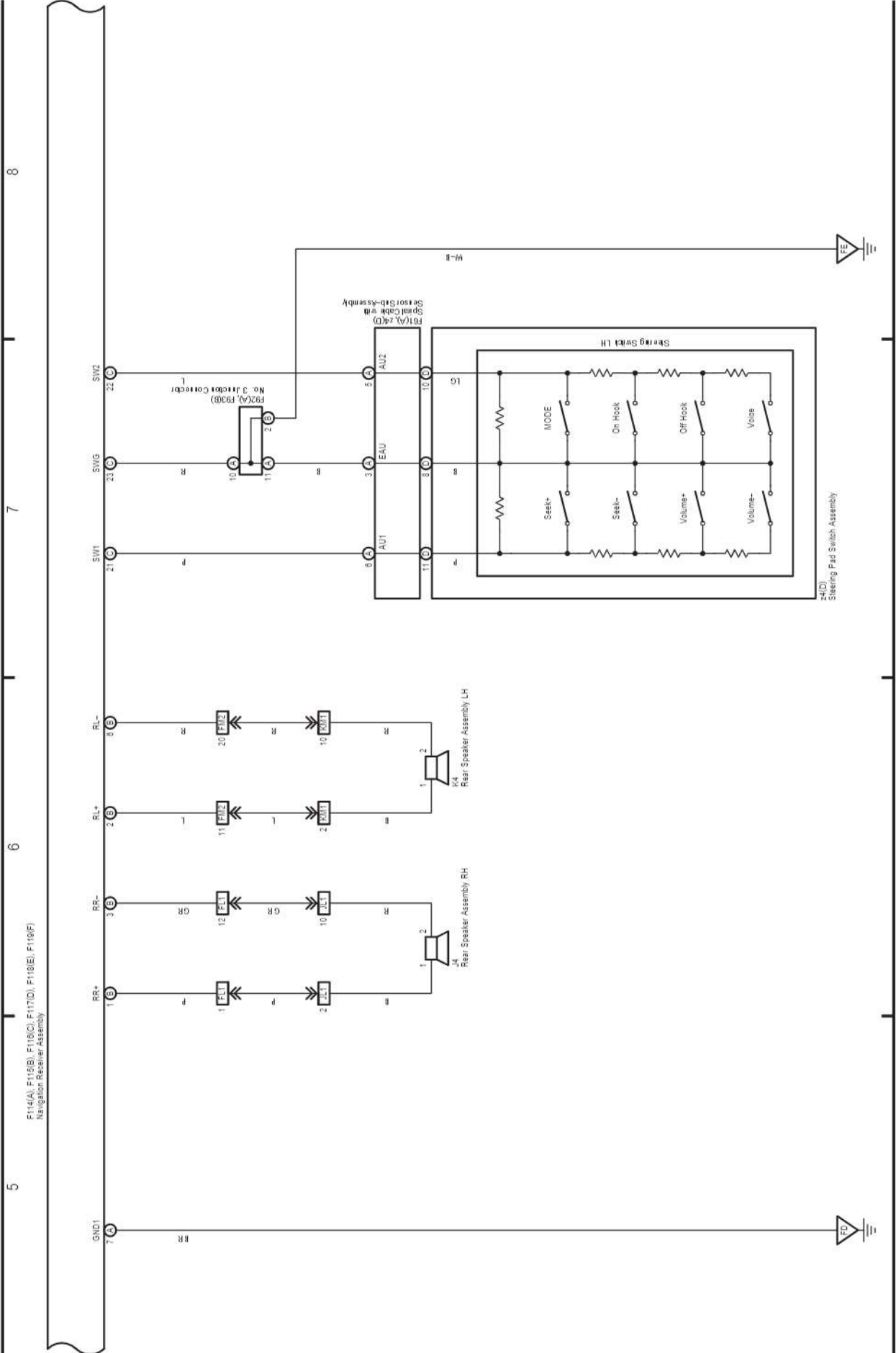


Audio System (Navigation Receiver Type), Back Guide Monitor System
(Navigation Receiver Type), Navigation System (Navigation Receiver Type)

* 4 : Before Nov. 2016 Production
* 5 : From Nov. 2016 Production



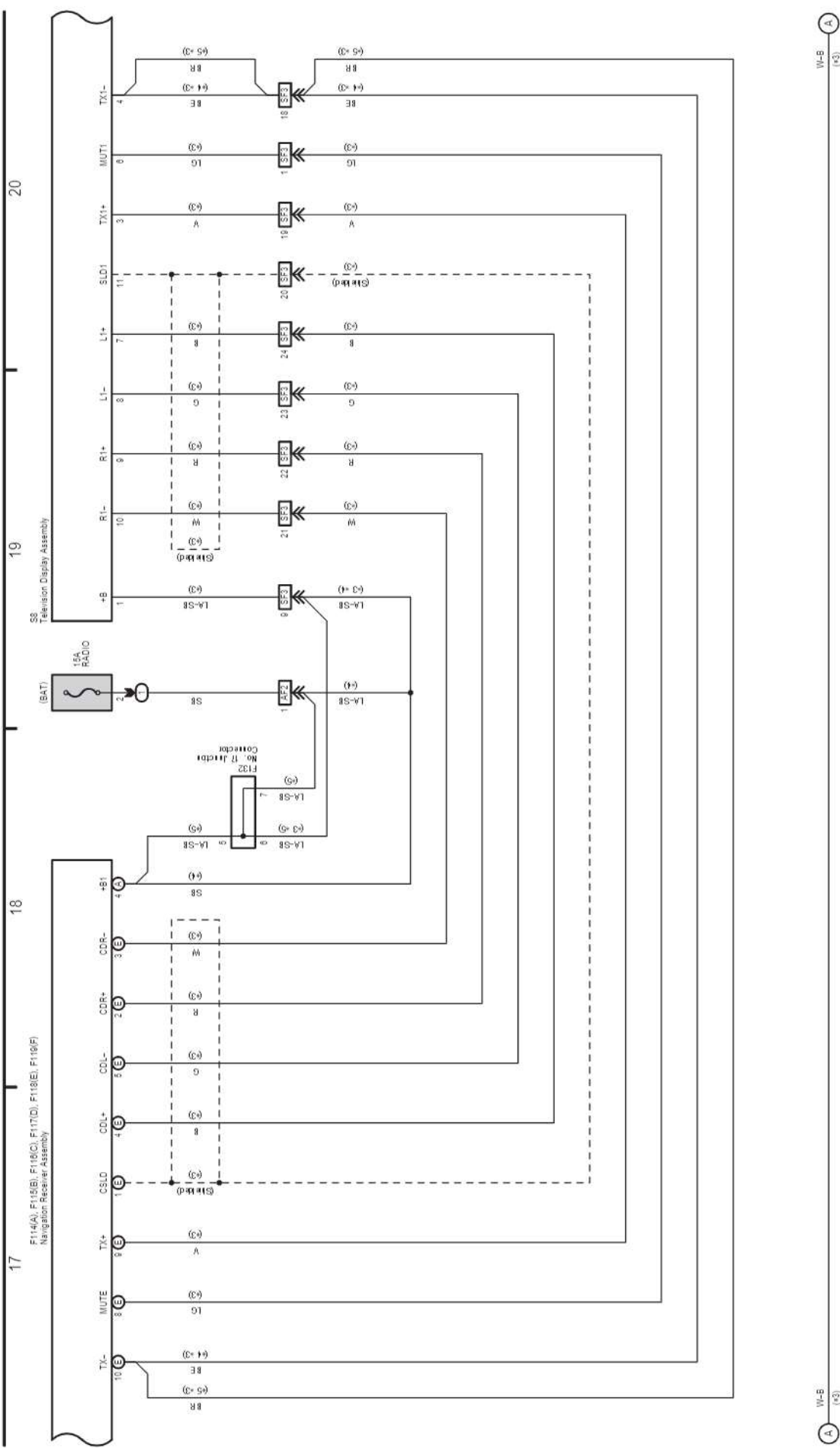
Audio System (Navigation Receiver Type), Back Guide Monitor System
(Navigation Receiver Type), Navigation System (Navigation Receiver Type)



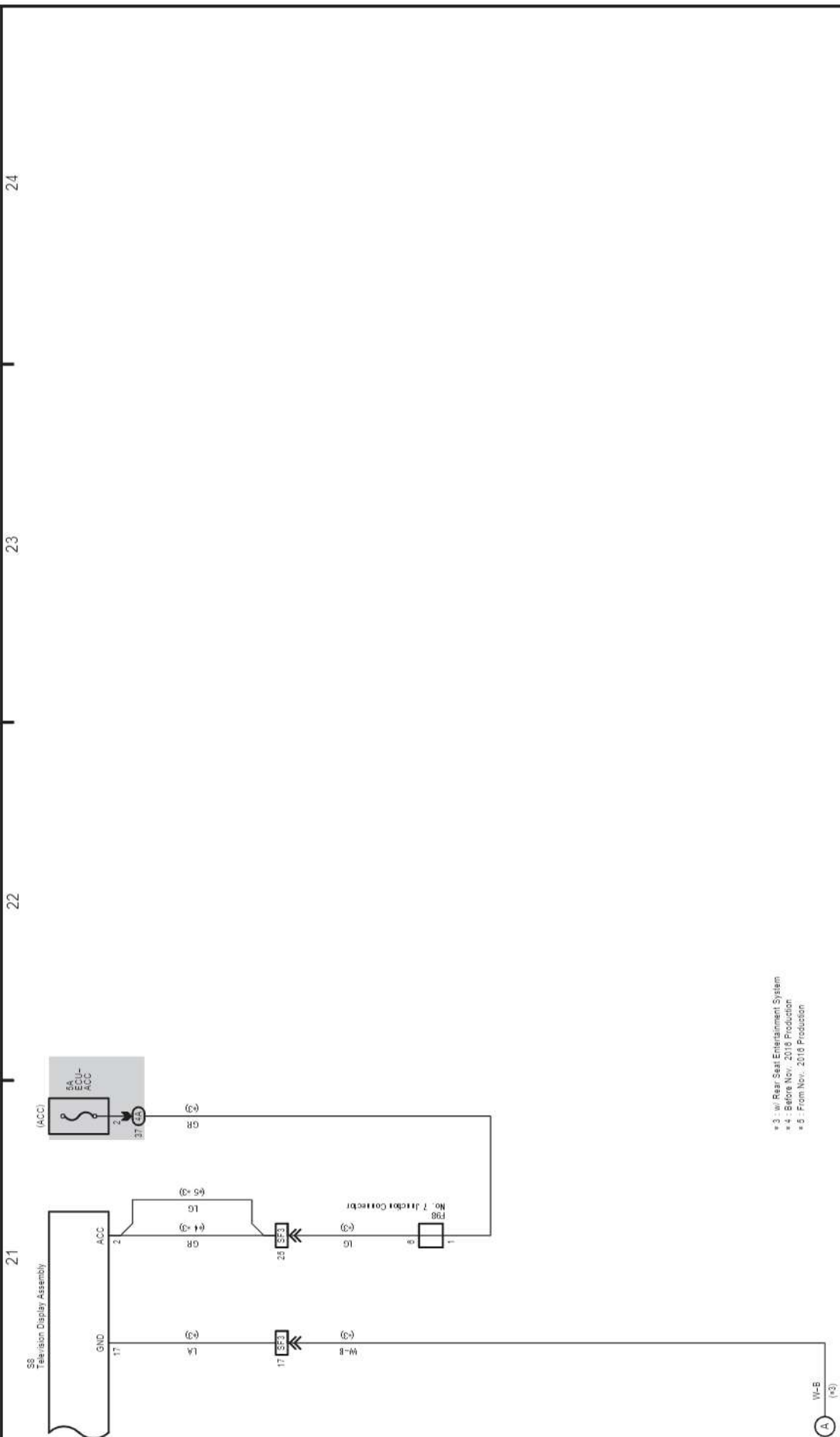
12

3 - w/ Rear Seat Entertainment System
4 - Before Nov. 2018 Production
5 - From Nov. 2018 Production

Audio System (Navigation Receiver Type), Back Guide Monitor System
(Navigation Receiver Type), Navigation Receiver Type

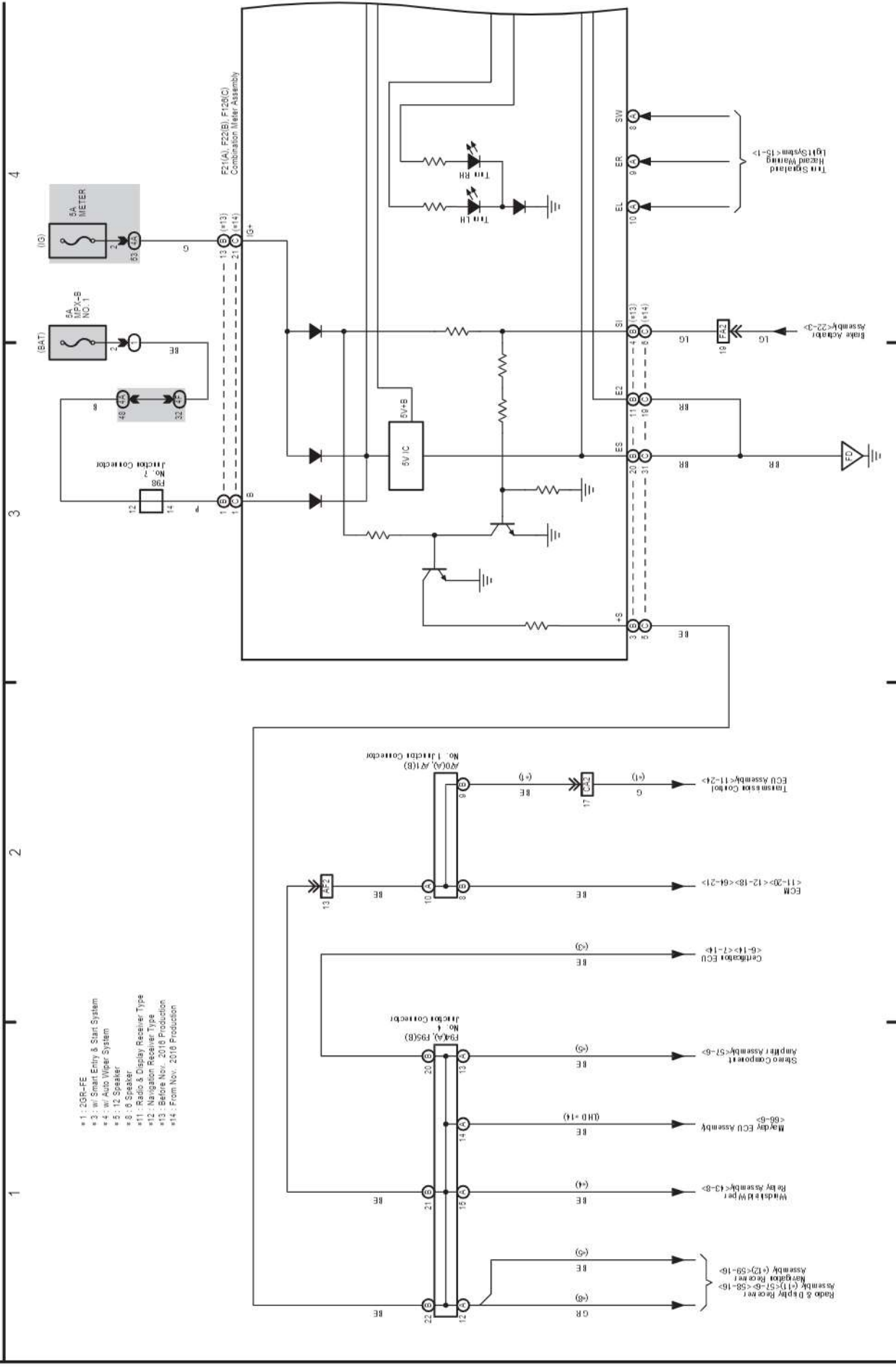


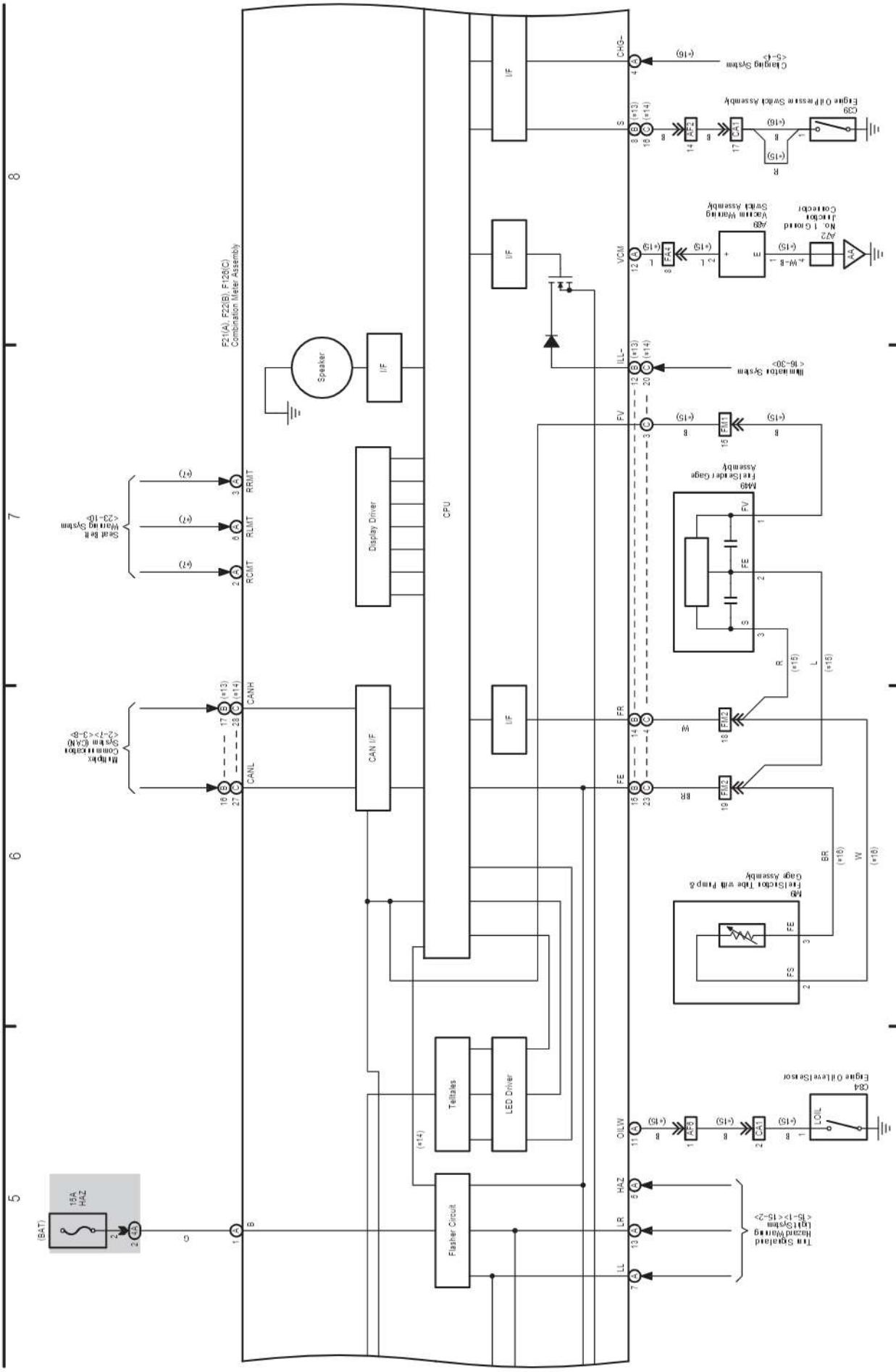
Audio System (Navigation Receiver Type), Back Guide Monitor System
(Navigation Receiver Type), Navigation System (Navigation Receiver Type)



* 3 : w/ Rear Seat Entertainment System
* 4 : Before Nov. 2016 Production
* 5 : From Nov. 2016 Production

Combination Meter

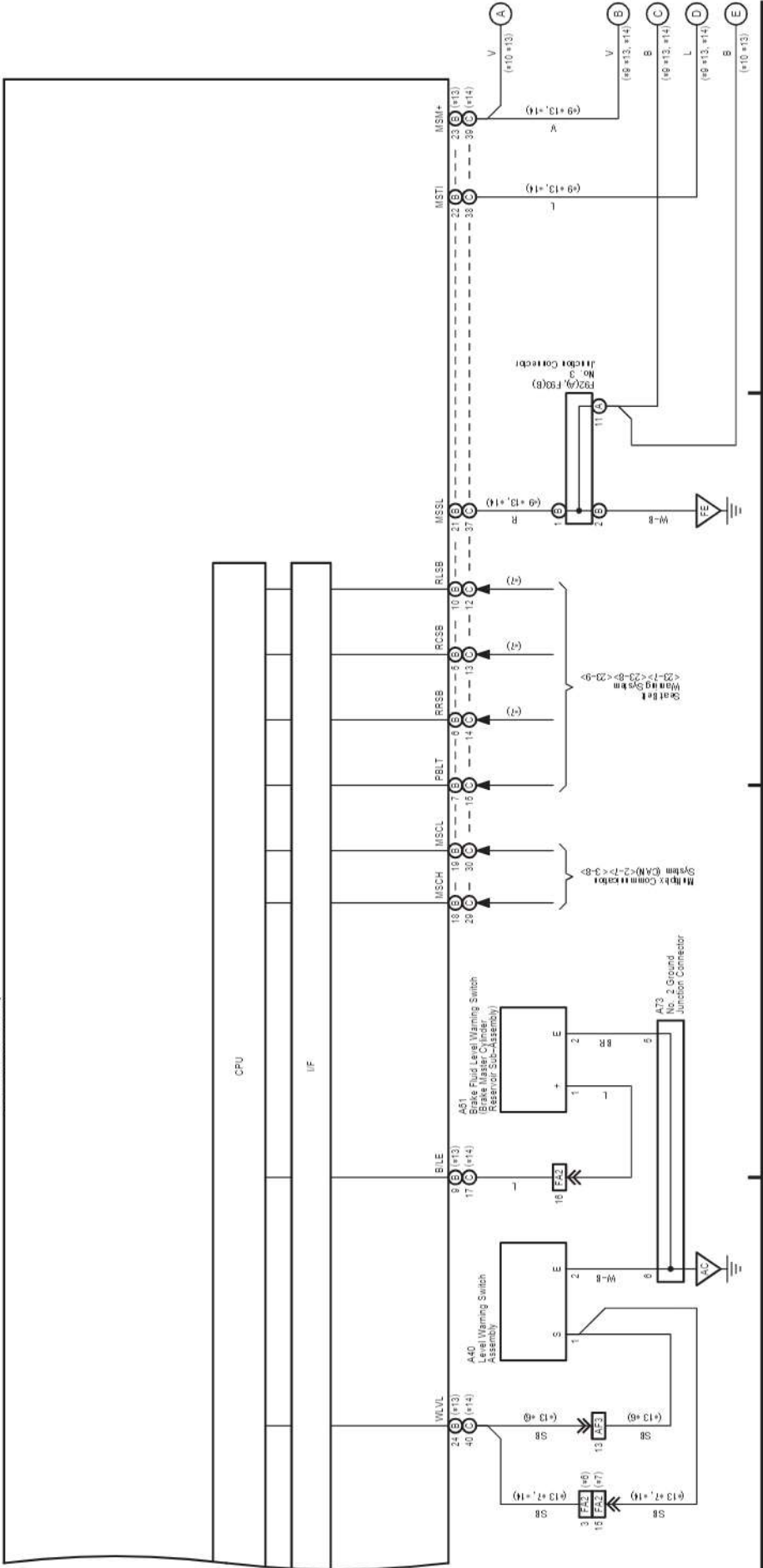




Combination Meter

*6 : LHD
*7 : RHD
*9 : w/ Navigation System
*10 : w/o Navigation System
*13 : Before Nov. 2016 Production
*14 : From Nov. 2016 Production

F21(A), F22(B), F129(C)
Combination Meter Assembly



*9 : w/ Navigation System
*10 : w/o Navigation System
*13 : Before Nov. 2016 Production
*14 : From Nov. 2016 Production

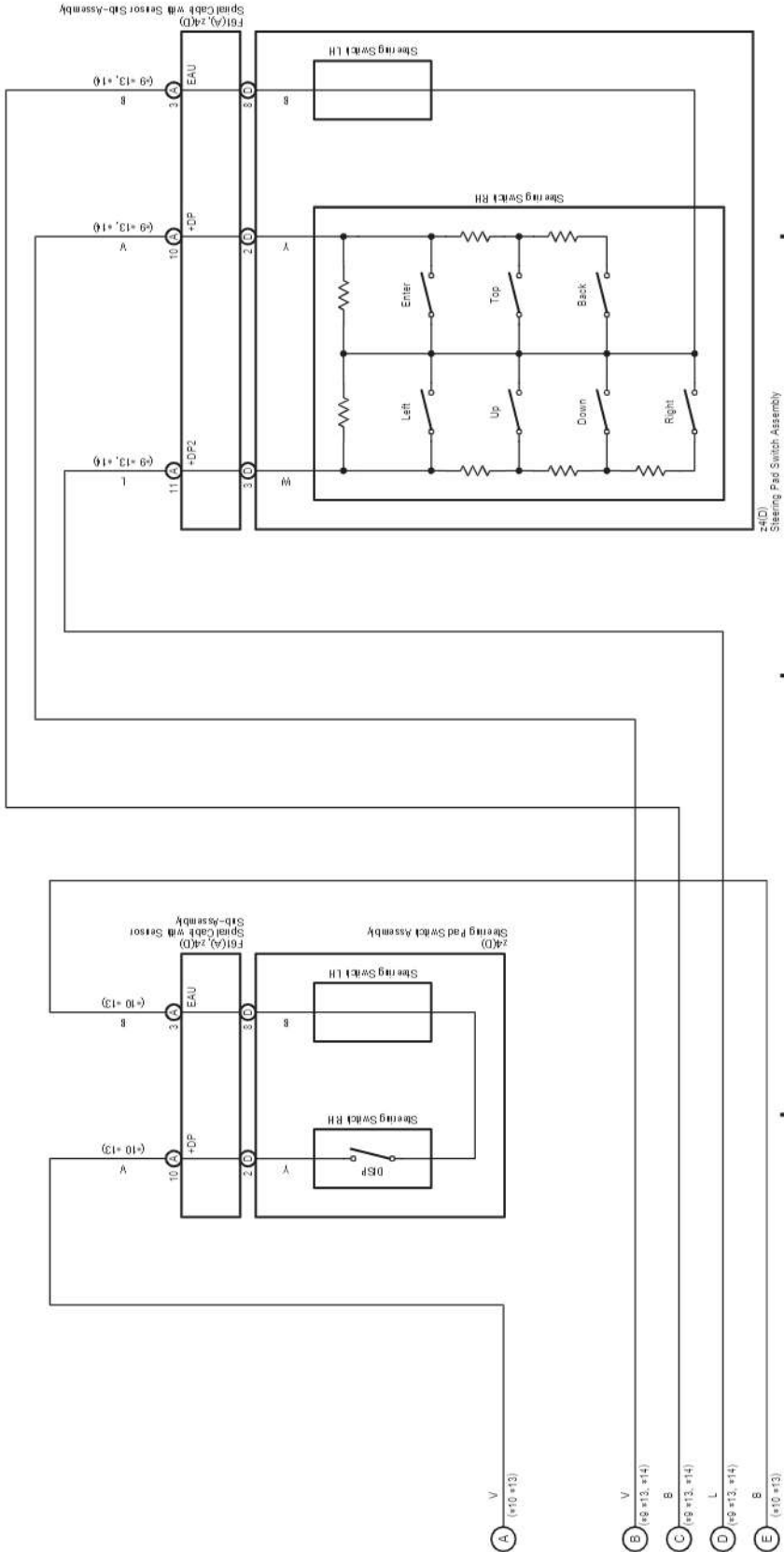
Combination Meter

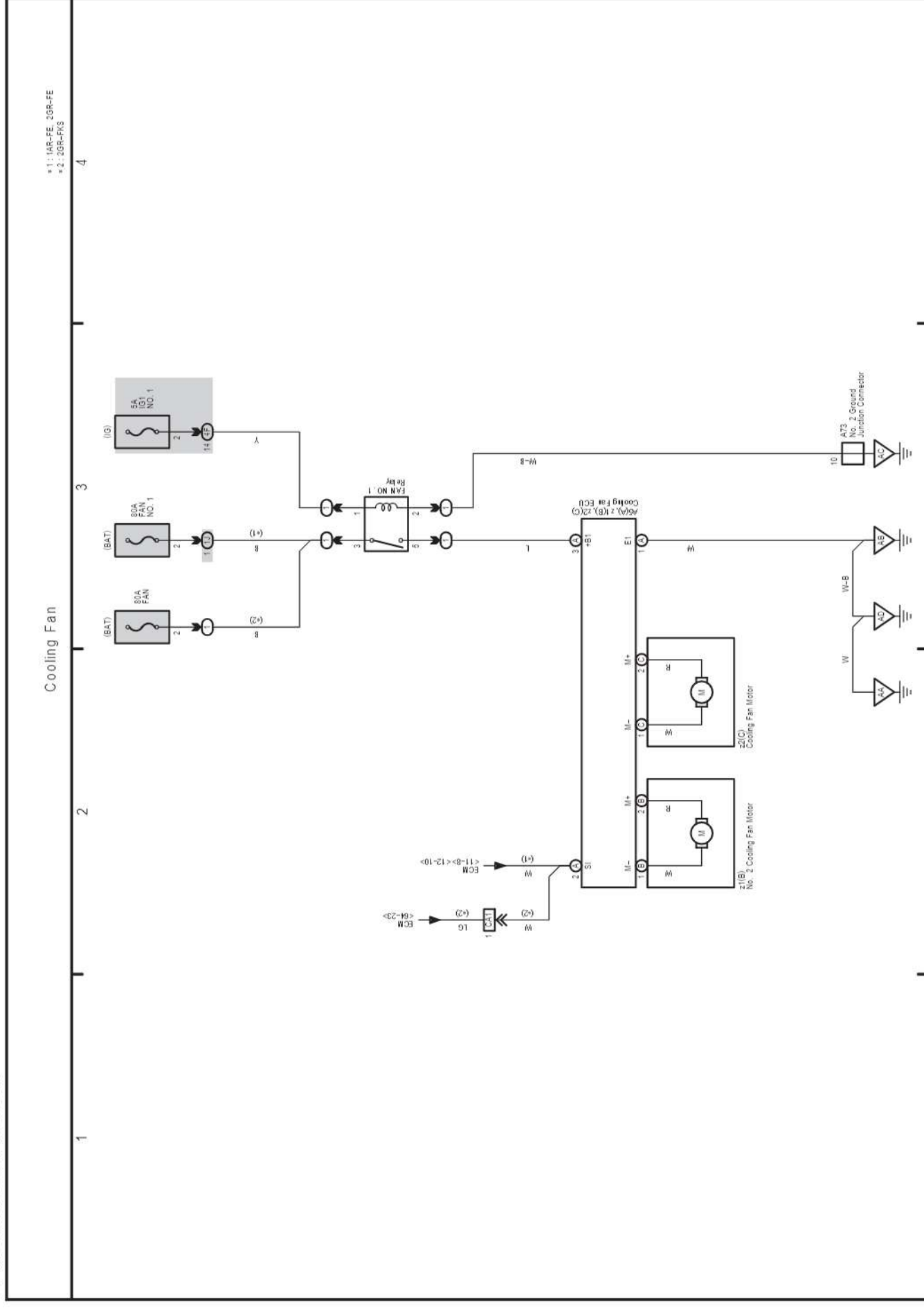
16

15

14

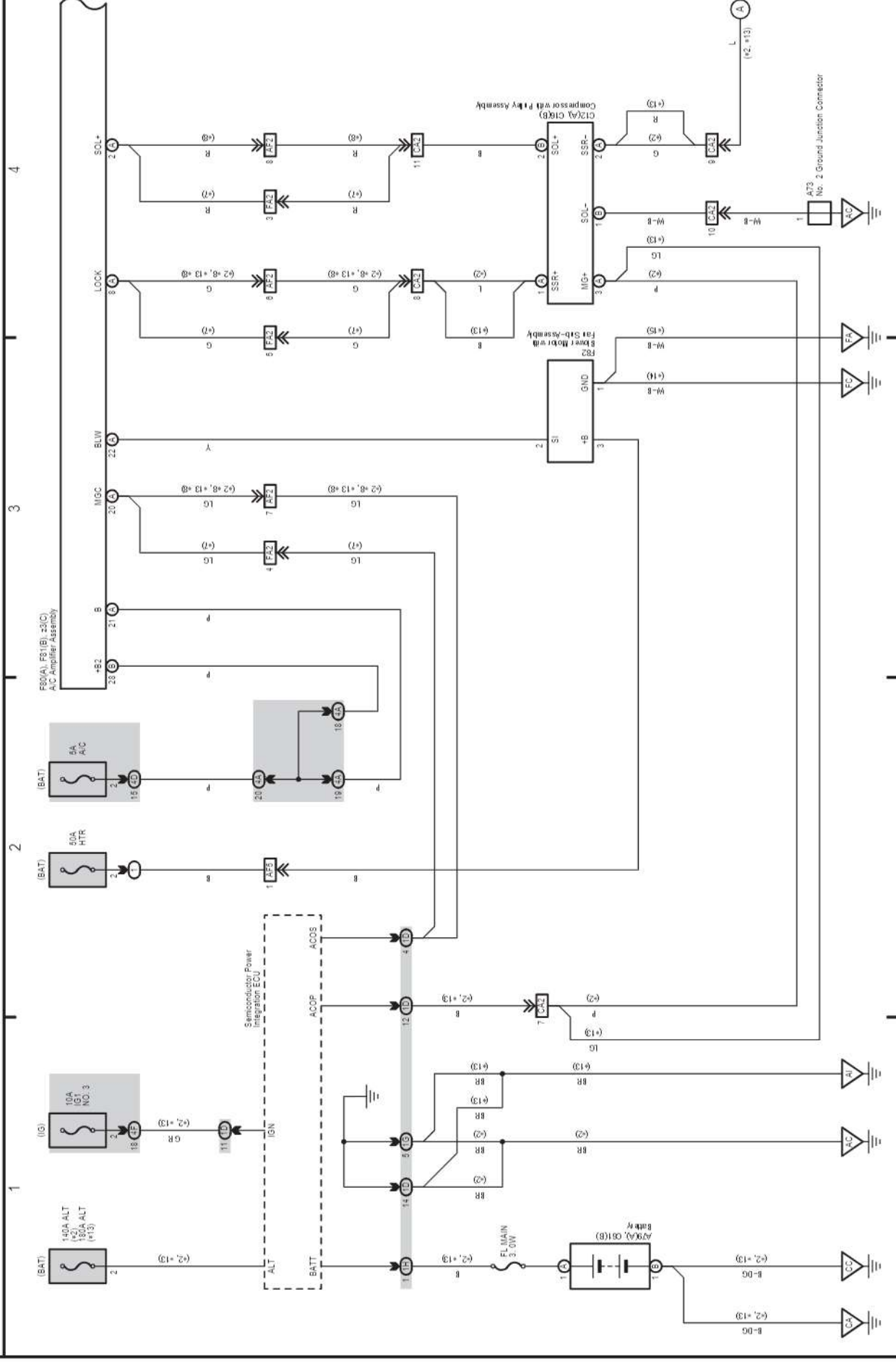
13





#2 : 2GR-FE
#7 : RHD
#8 : LHD
#13 : 2GR-FKS
#14 : Before Nov. 2016 Production
#15 : From Nov. 2016 Production

Air Conditioner



*1 : Automatic A/C
*2 : 2GR-FE
*13 : 2GR-FKS
*14 : Before Nov. 2016 Production
*7 : RHD
*15 : From Nov. 2016 Production
*8 : LHD

Air Conditioner

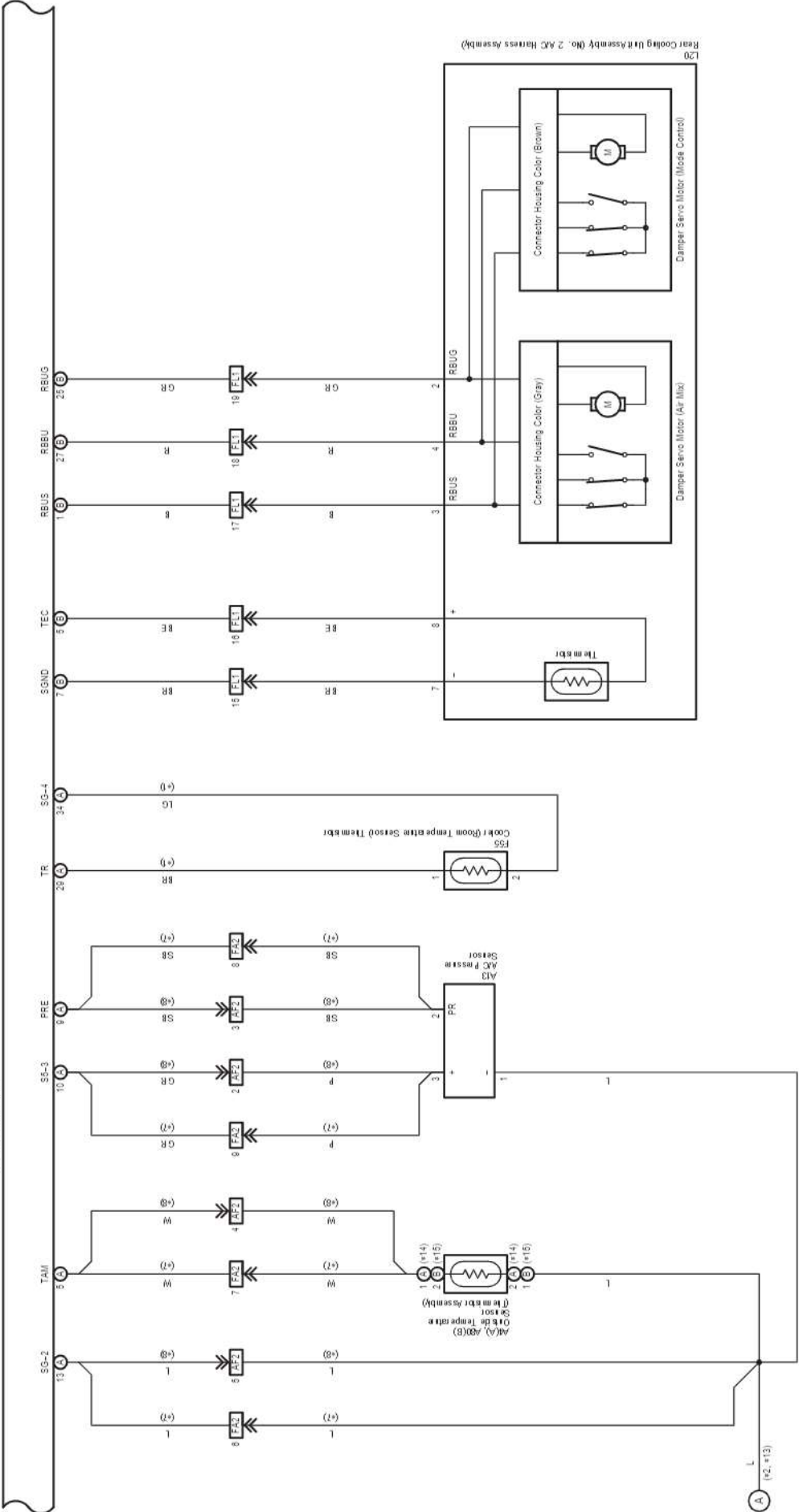
8

7

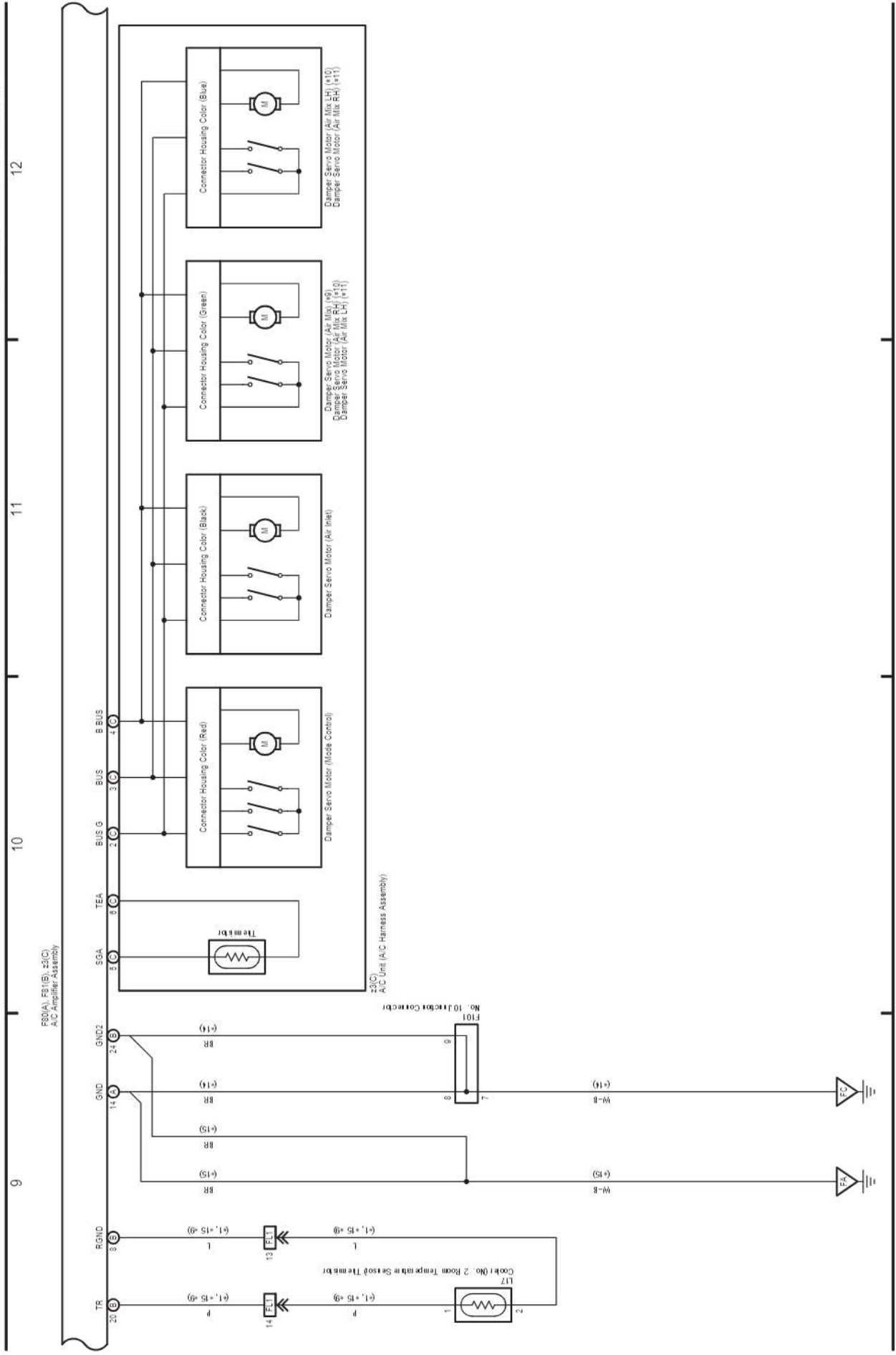
6

5

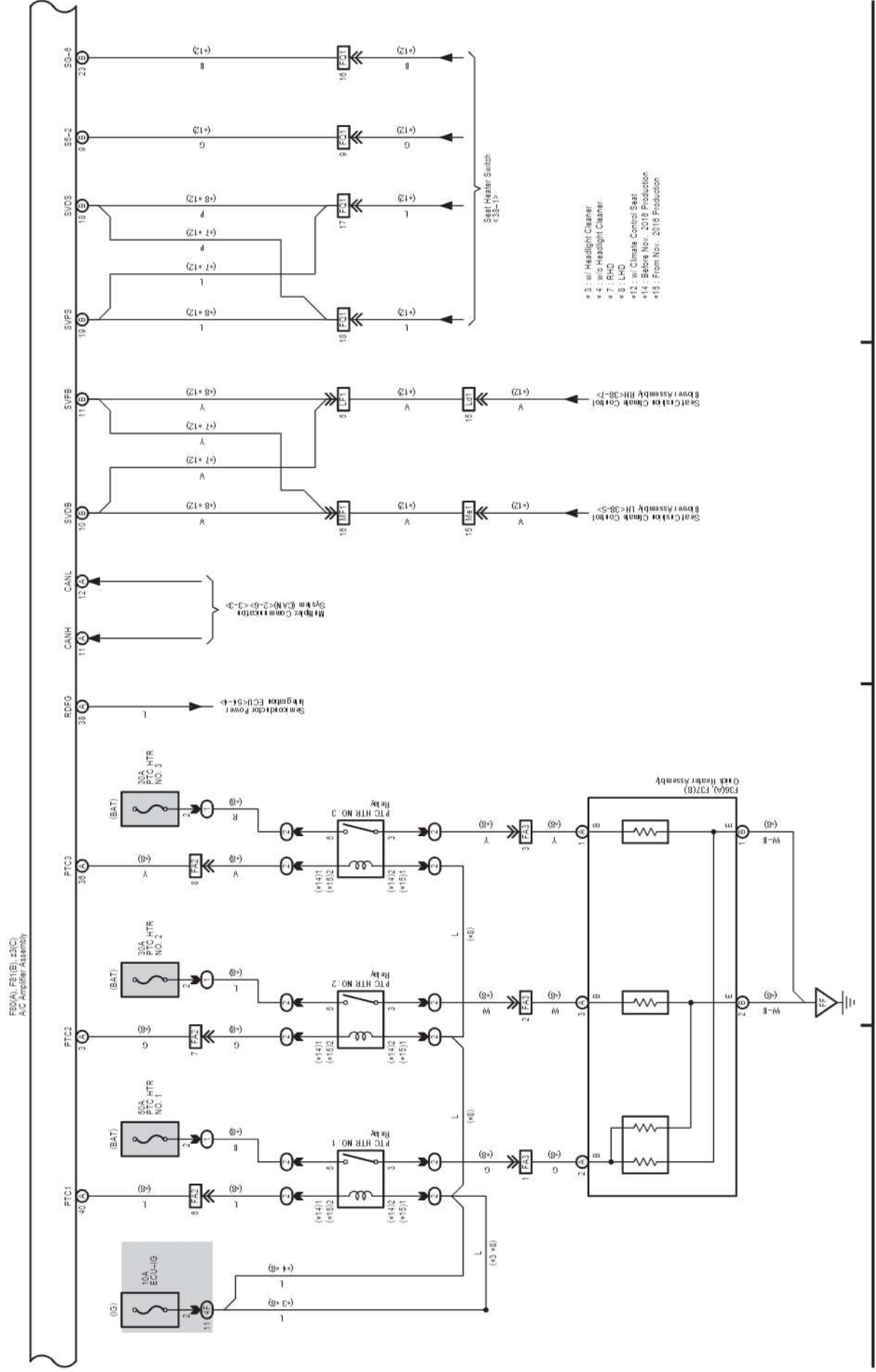
F50(A), F51(B), s2(C)
A/C Amplifier Assembly



#1 : Automatic A/C
 #2 : Automatic A/C
 #3 : Manual A/C
 #4 : Before Nov. 2016 Production
 #5 : From Nov. 2016 Production
 #6 : LHD Automatic A/C
 #7 : LHD Automatic A/C
 #8 : LHD Automatic A/C
 #9 : Manual A/C
 #10 : LHD Automatic A/C
 #11 : RHD Automatic A/C
 #12 : LHD Automatic A/C
 #13 : LHD Automatic A/C
 #14 : Before Nov. 2016 Production
 #15 : From Nov. 2016 Production

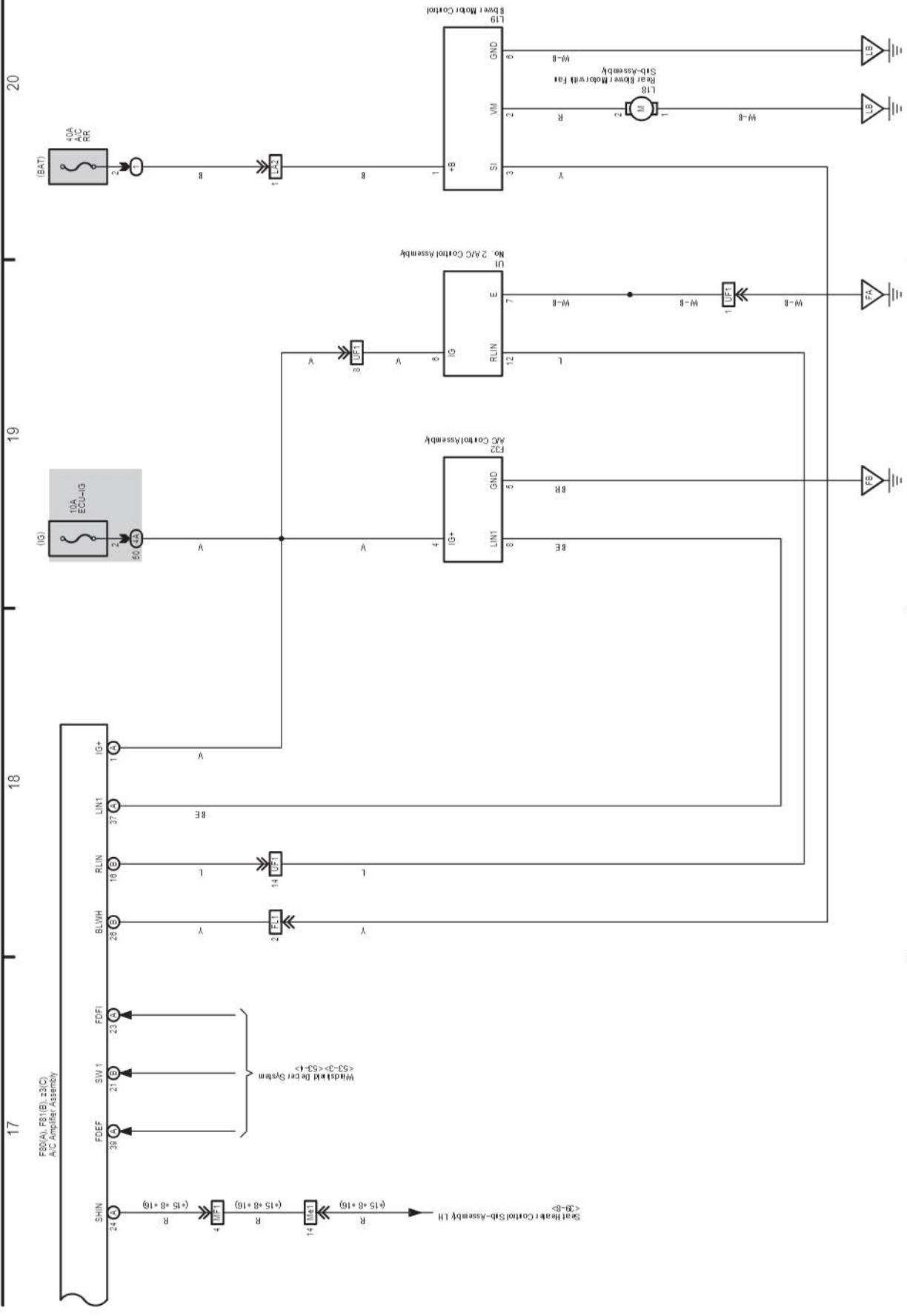


16



8 : LHD
#15 : From Nov. 2018 Production
#16 : w/o Climate Control Seat

Air Conditioner



Ignition (2GR-FKS)

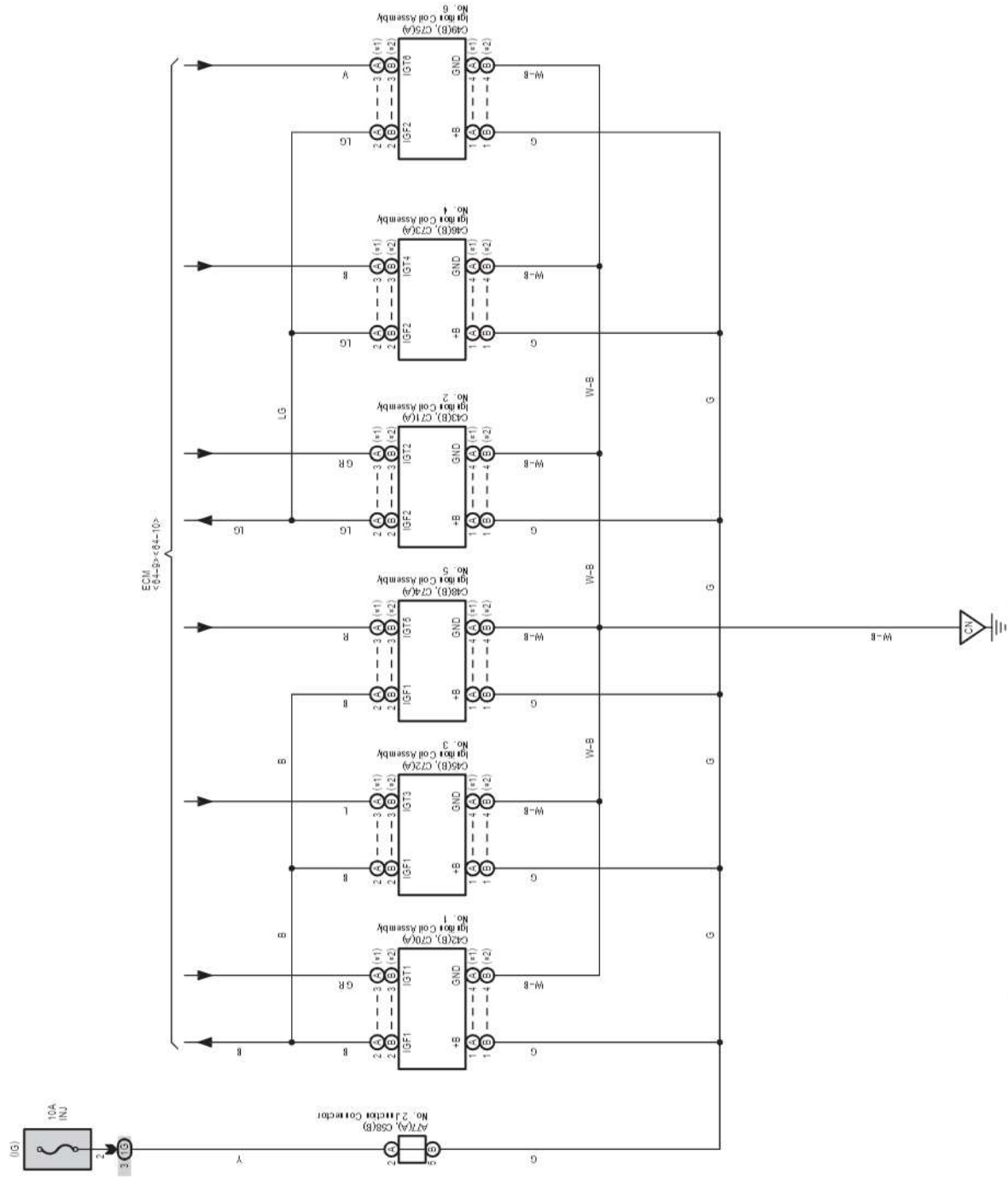
* 1 : Before Aug. 2017 Production
* 2 : From Aug. 2017 Production

4

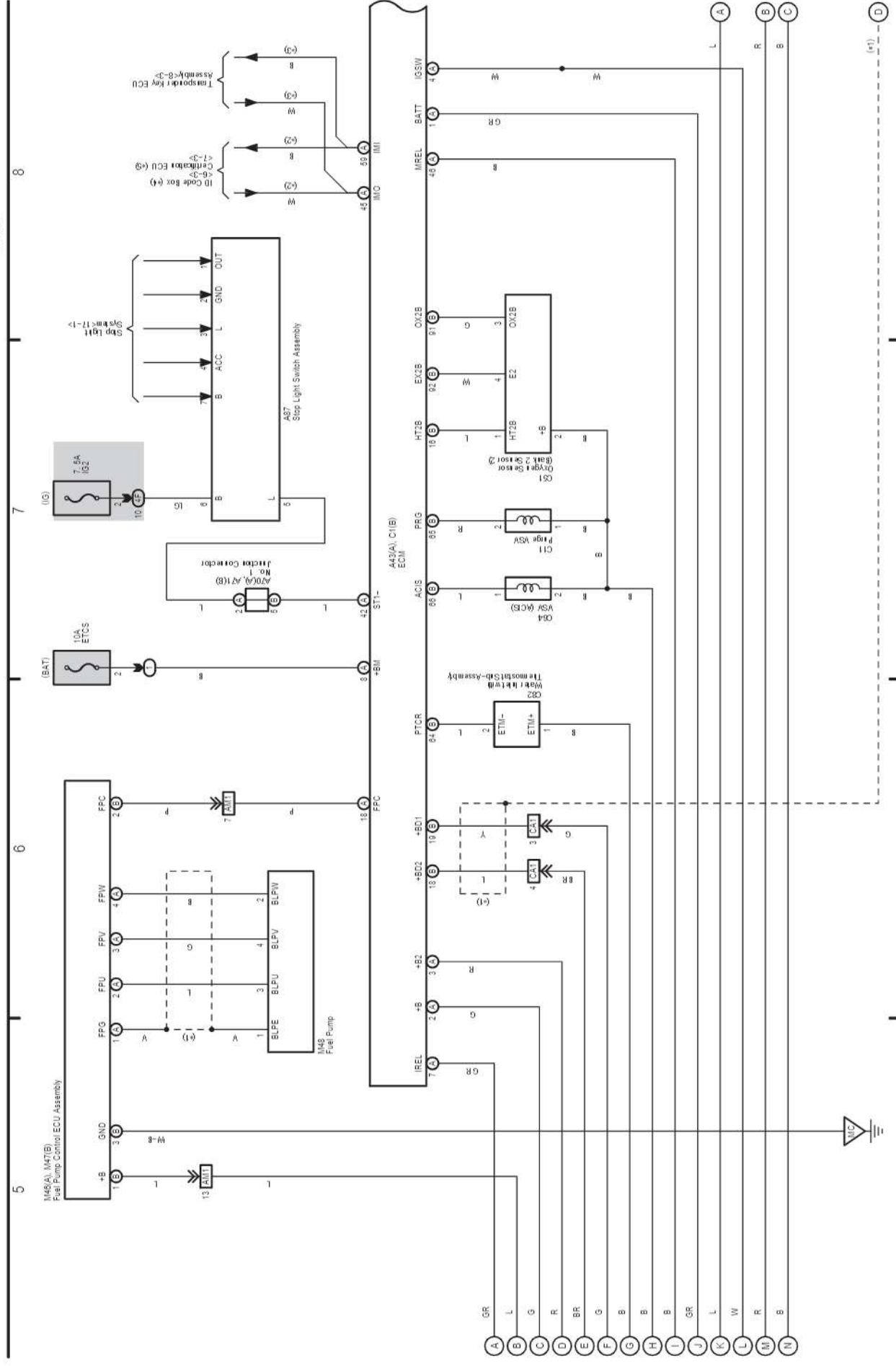
3

2

1

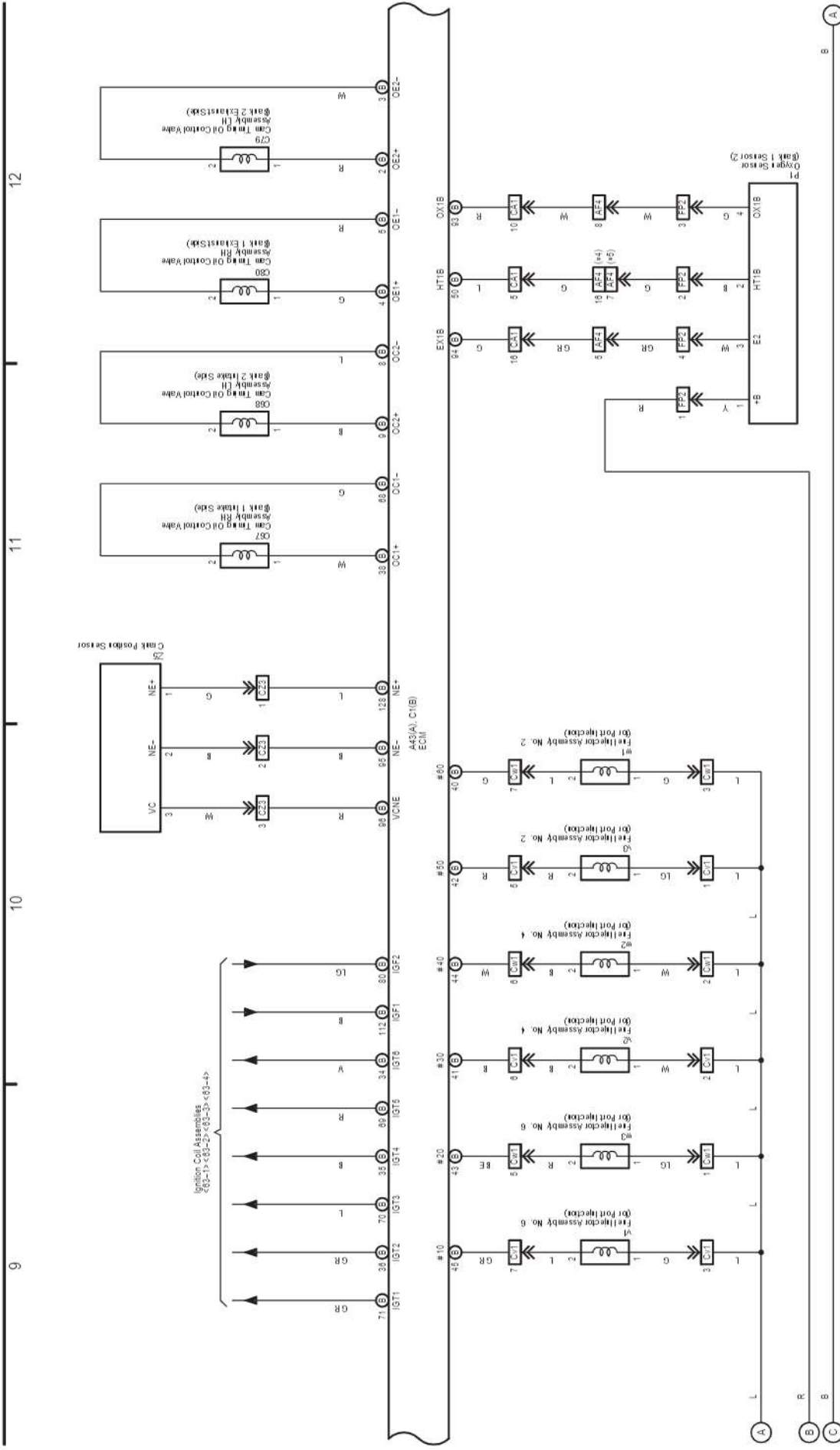


- * 3 : w/o Smart Entry & Start System
- * 4 : LHD
- * 5 : RHD

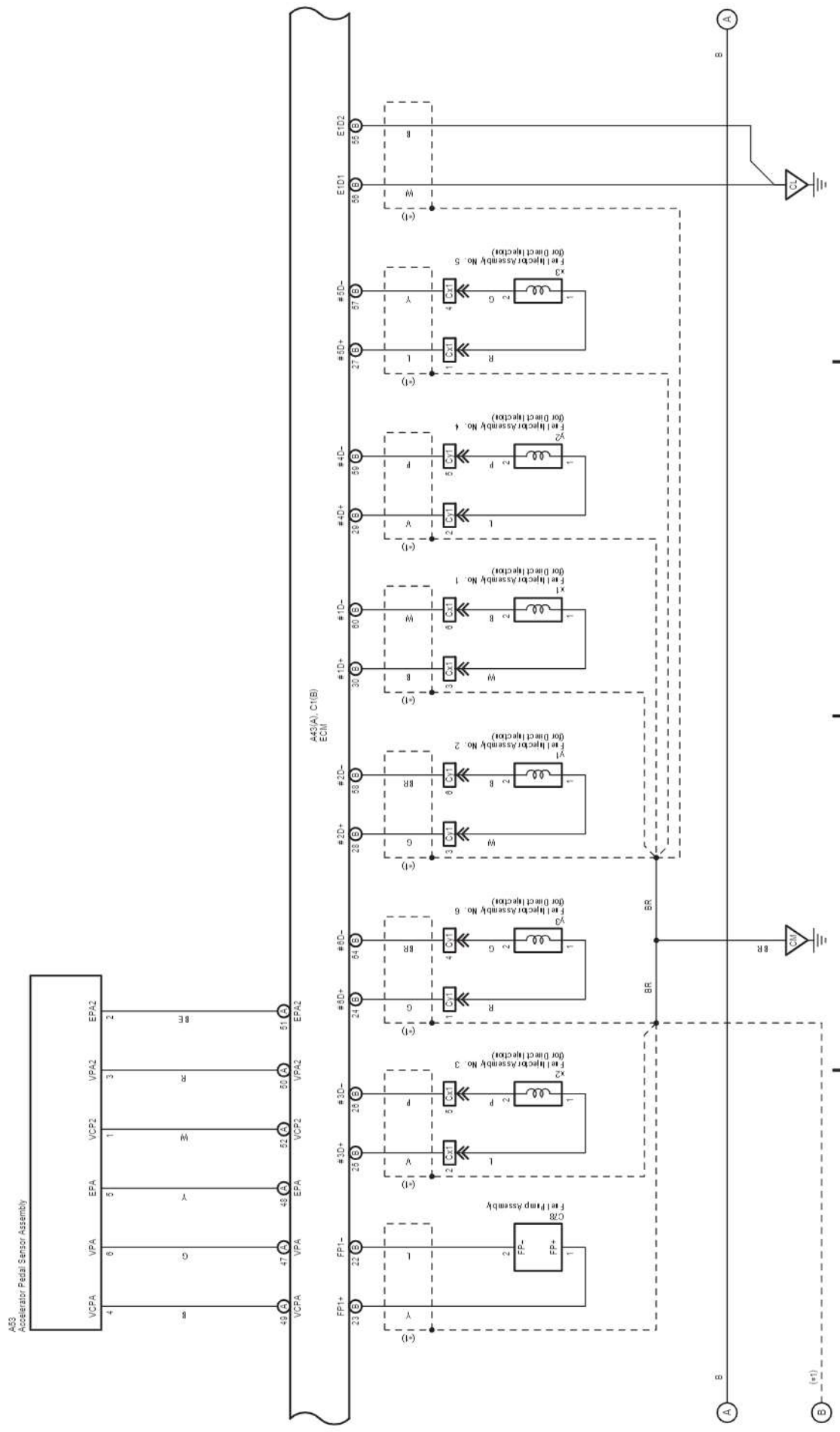


- *1: Shielded
- *4: LHD
- *5: RHD

Engine Control (2GR-FKS)



* f : Shielded



Engine Control (2GR-FKS)

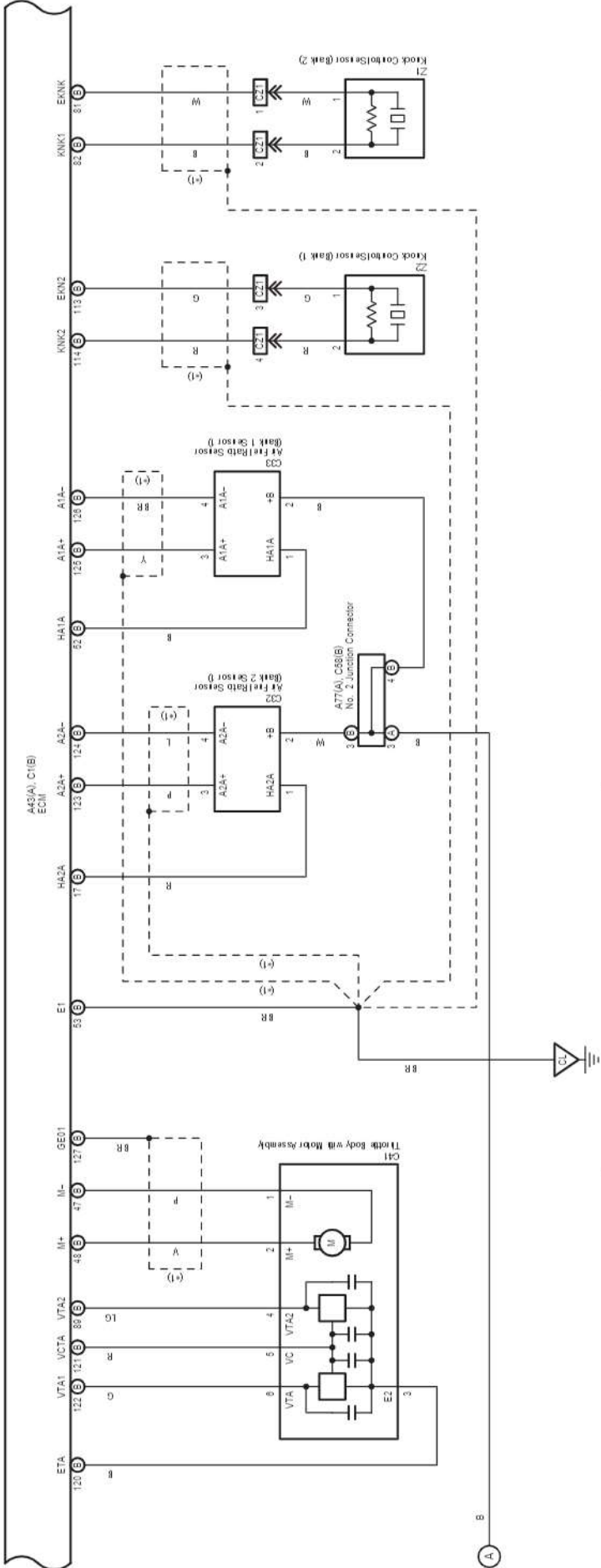
* 1: Shaded

17

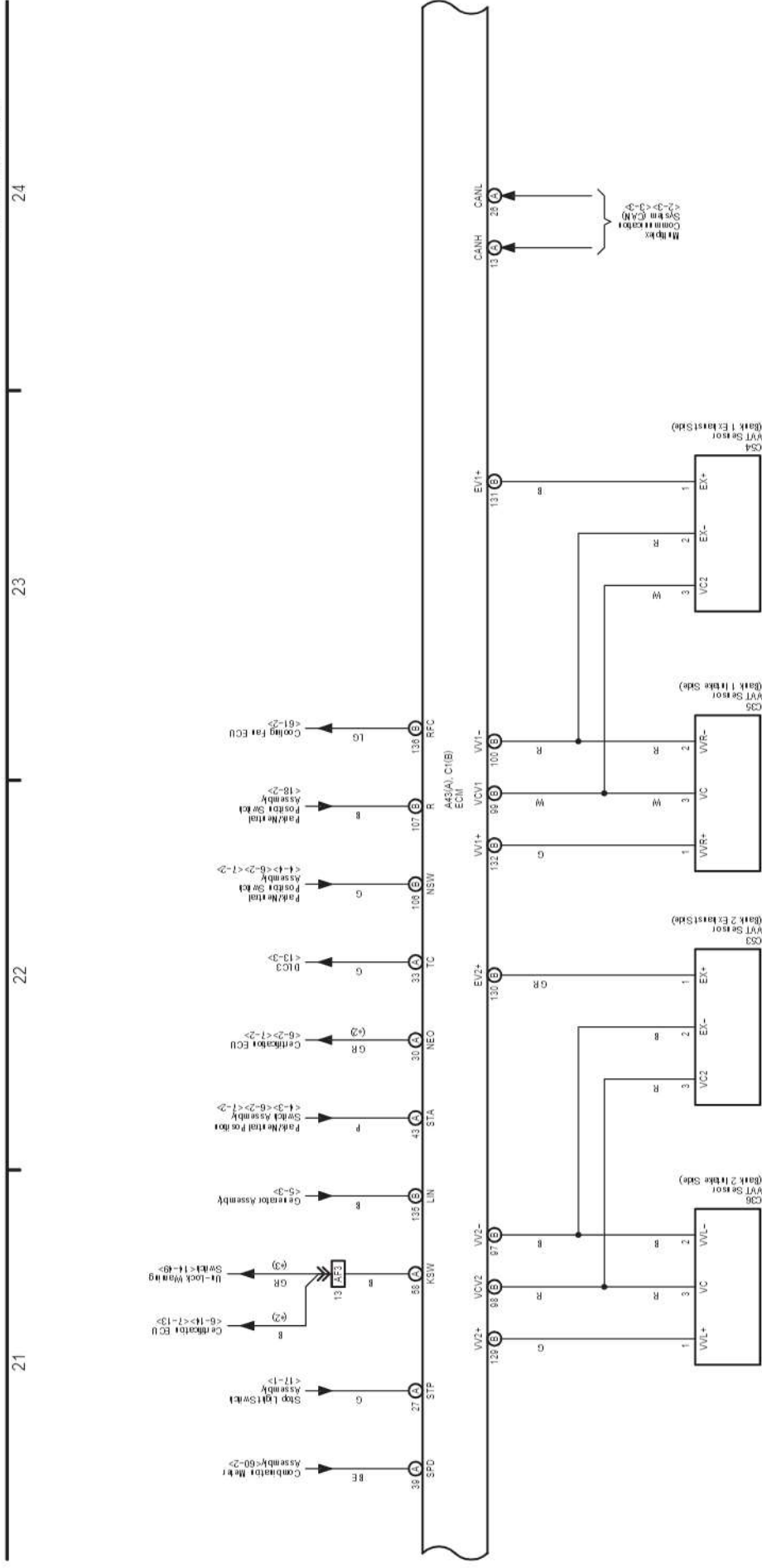
18

19

20



- * 2 : w/ Smart Entry & Start System
- * 3 : w/o Smart Entry & Start System

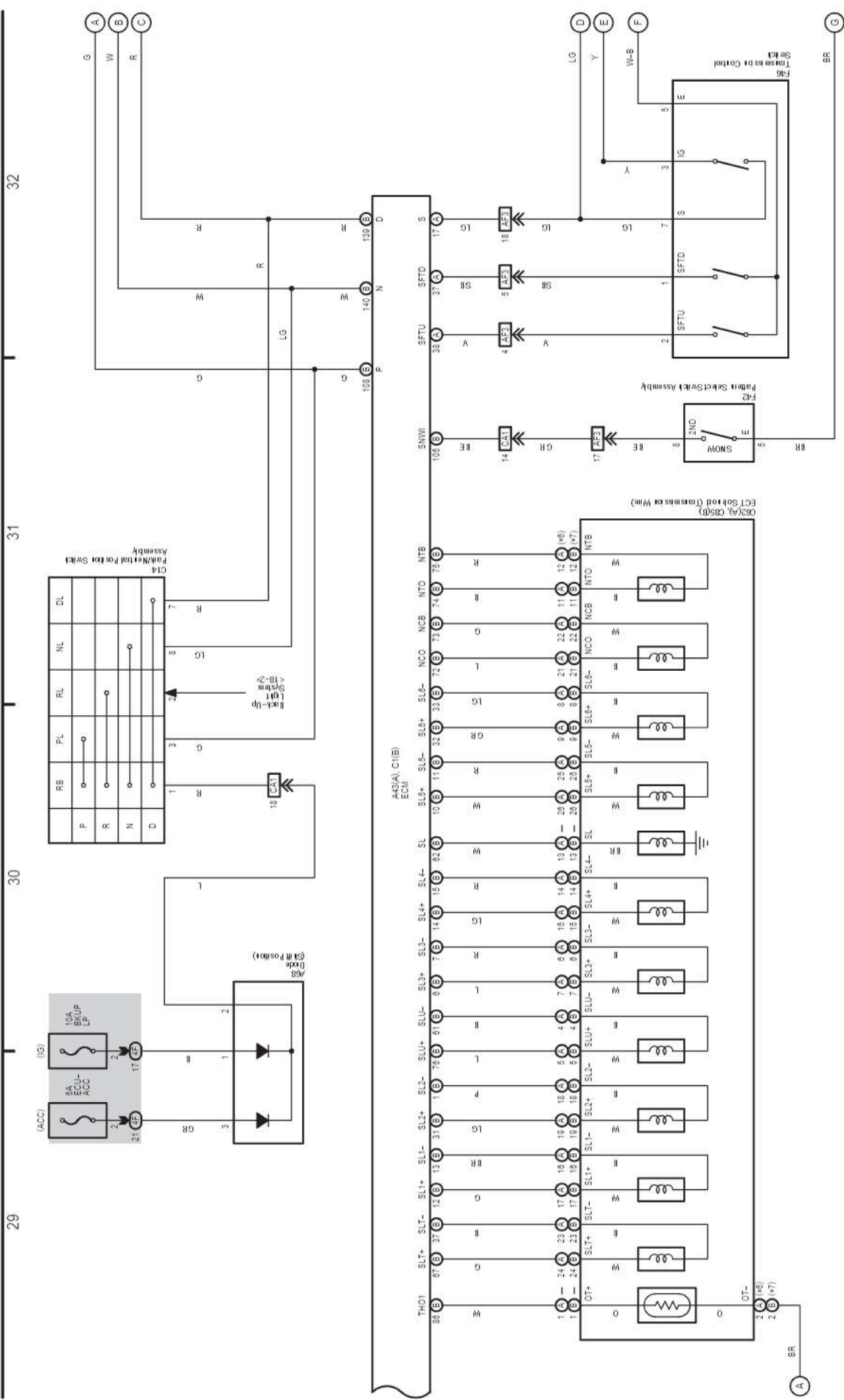


ECT and A/T Indicator (2GR-FKS)

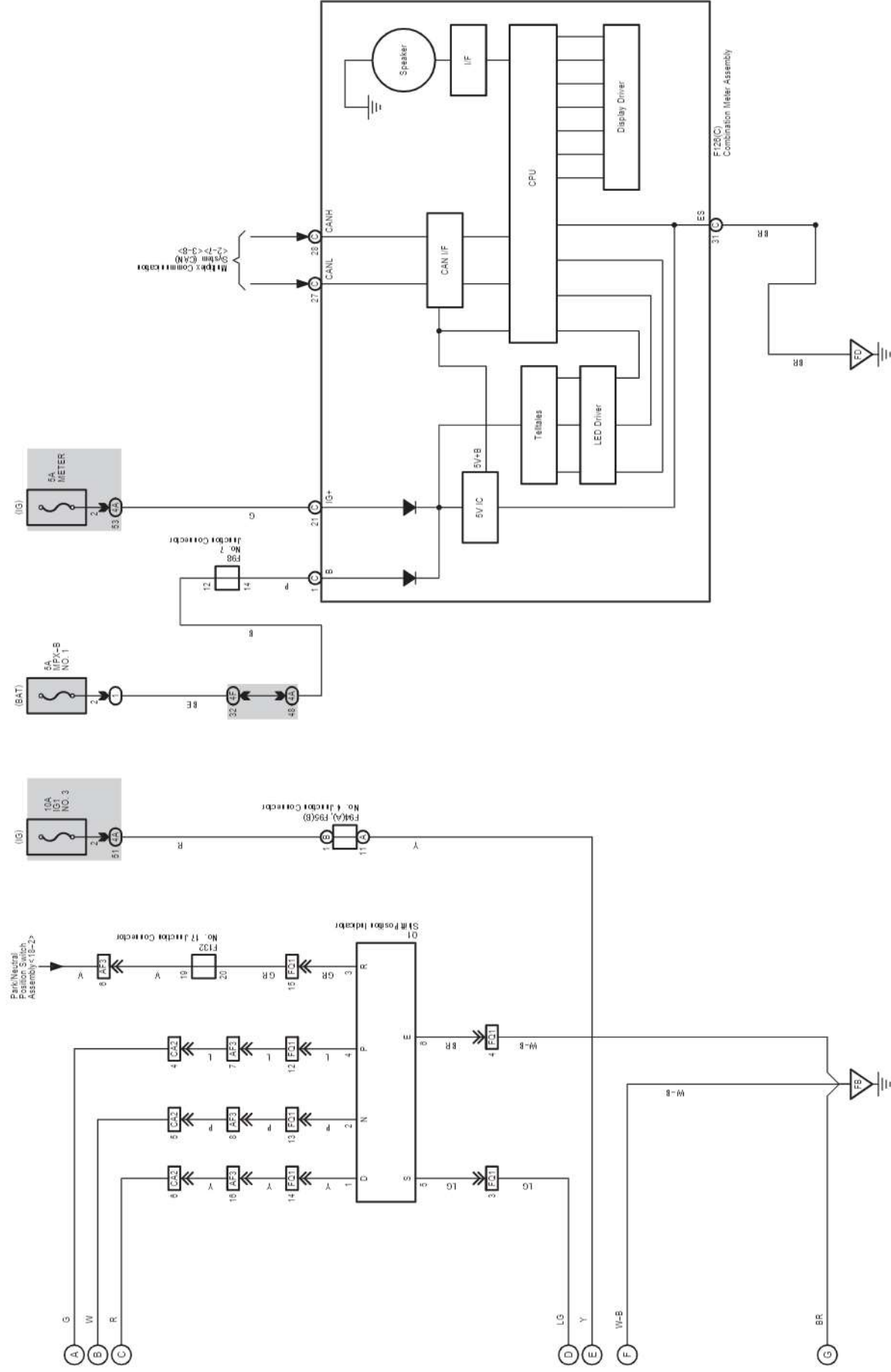


ECT and A/T Indicator (2GR-FKS)

* 6 : Before Aug. 2017 Production
* 7 : From Aug. 2017 Production



36

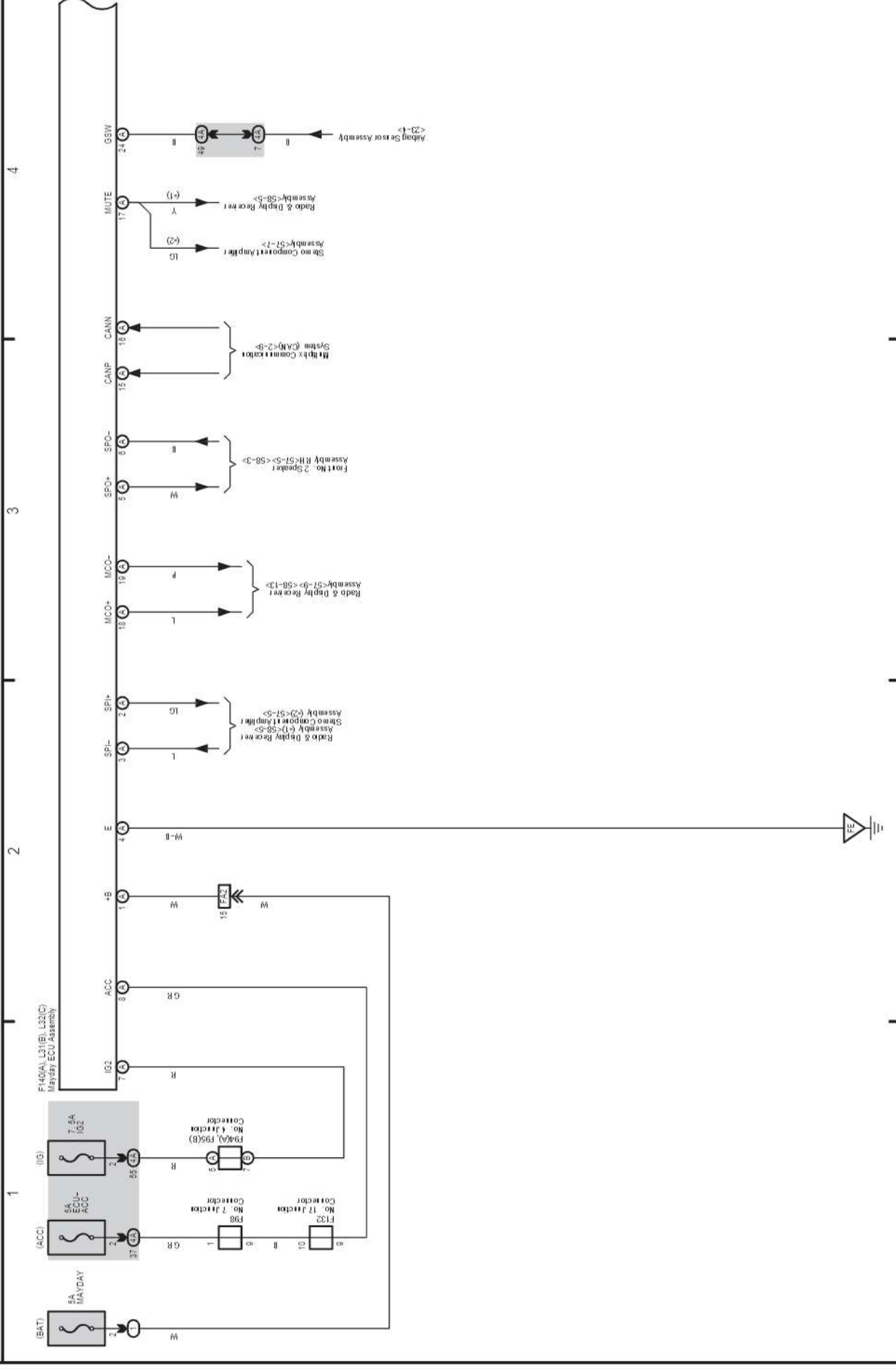


4





4



Telematics System

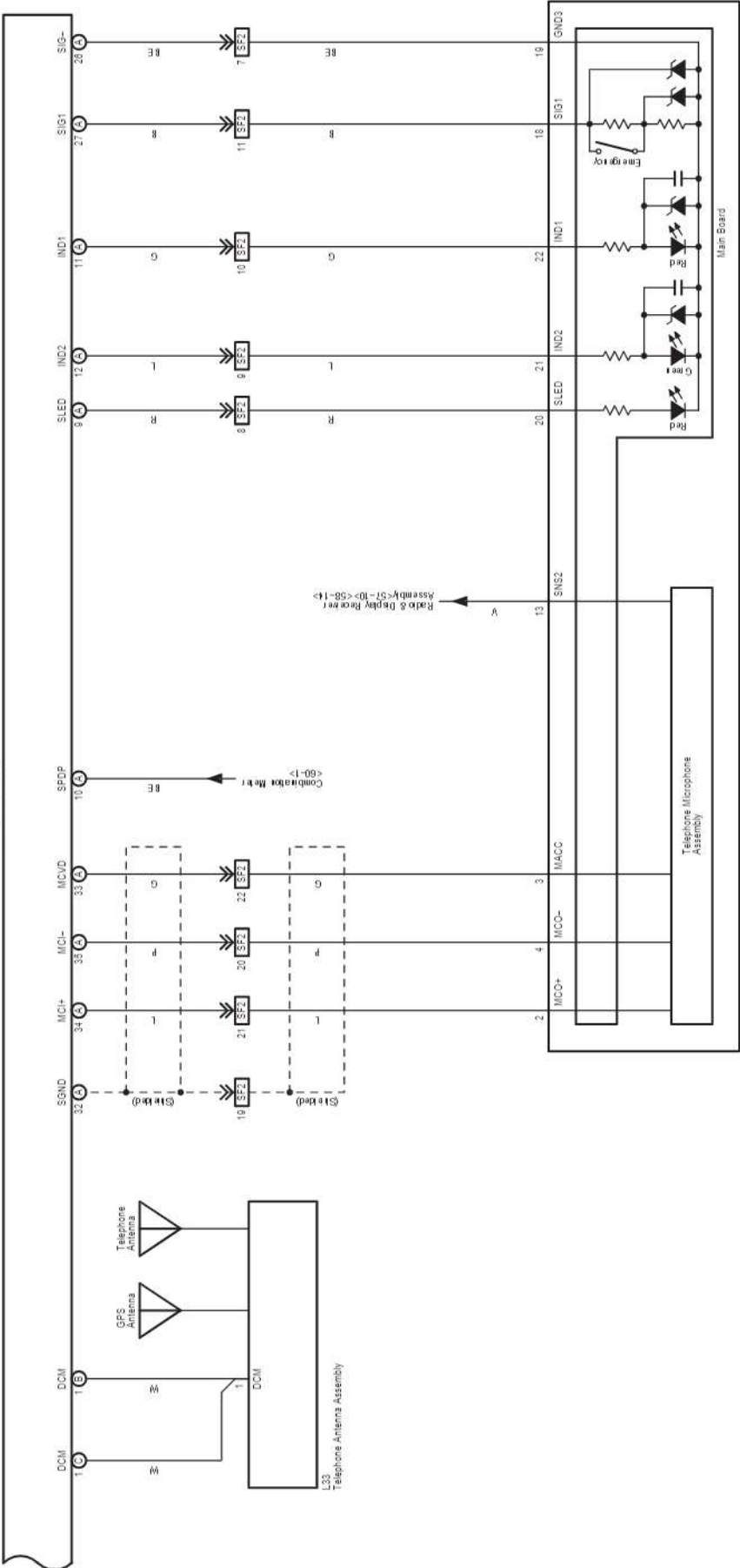
8

7

6

5

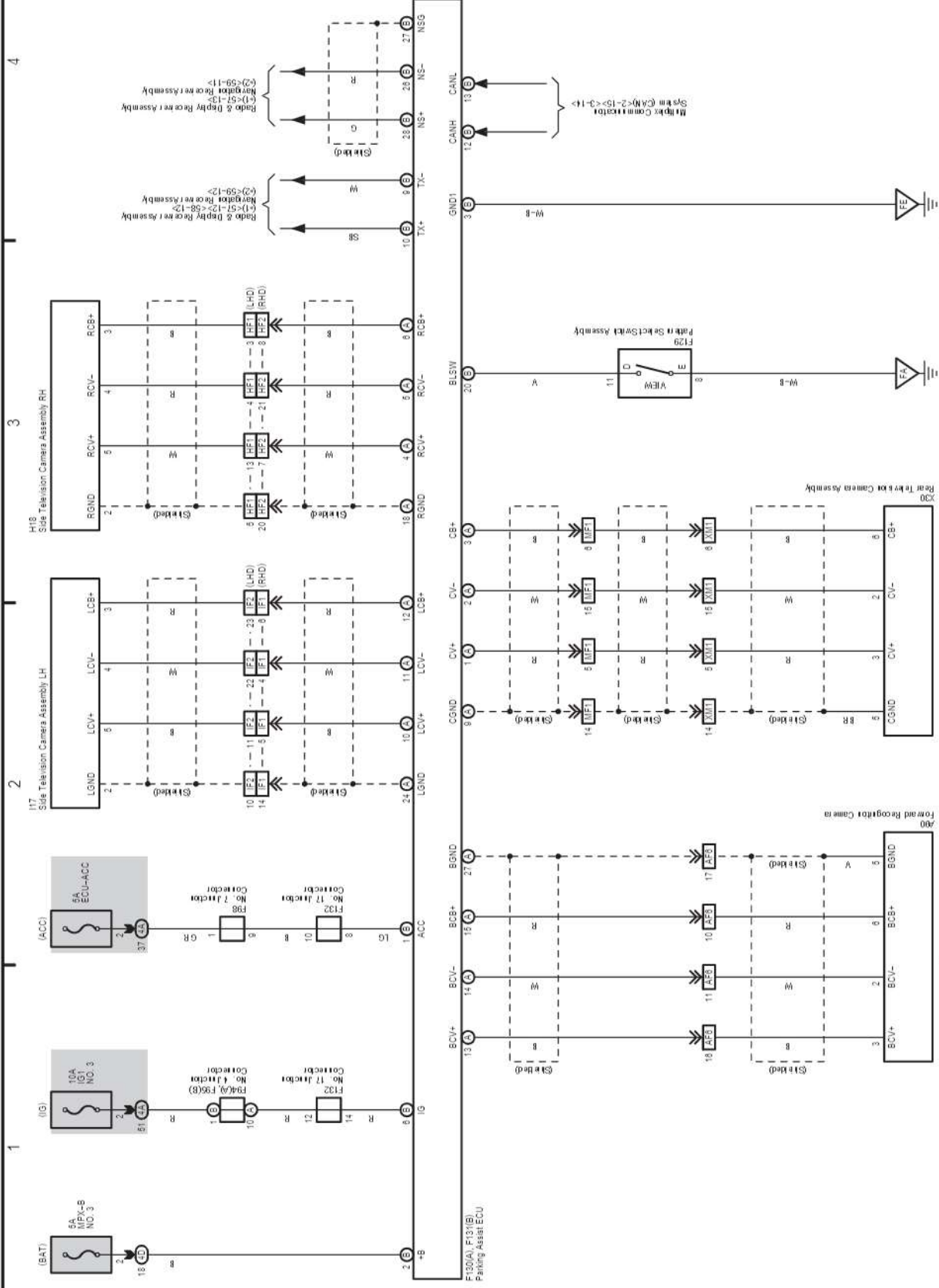
F140(A) L31(B) L32(C)
Mayday ECU Assembly



S1
Map Light Assembly

Panoramic View Monitor System

* 1: Radio & Display Receiver Type
* 2: Navigation Receiver Type



Tire Pressure Warning System

