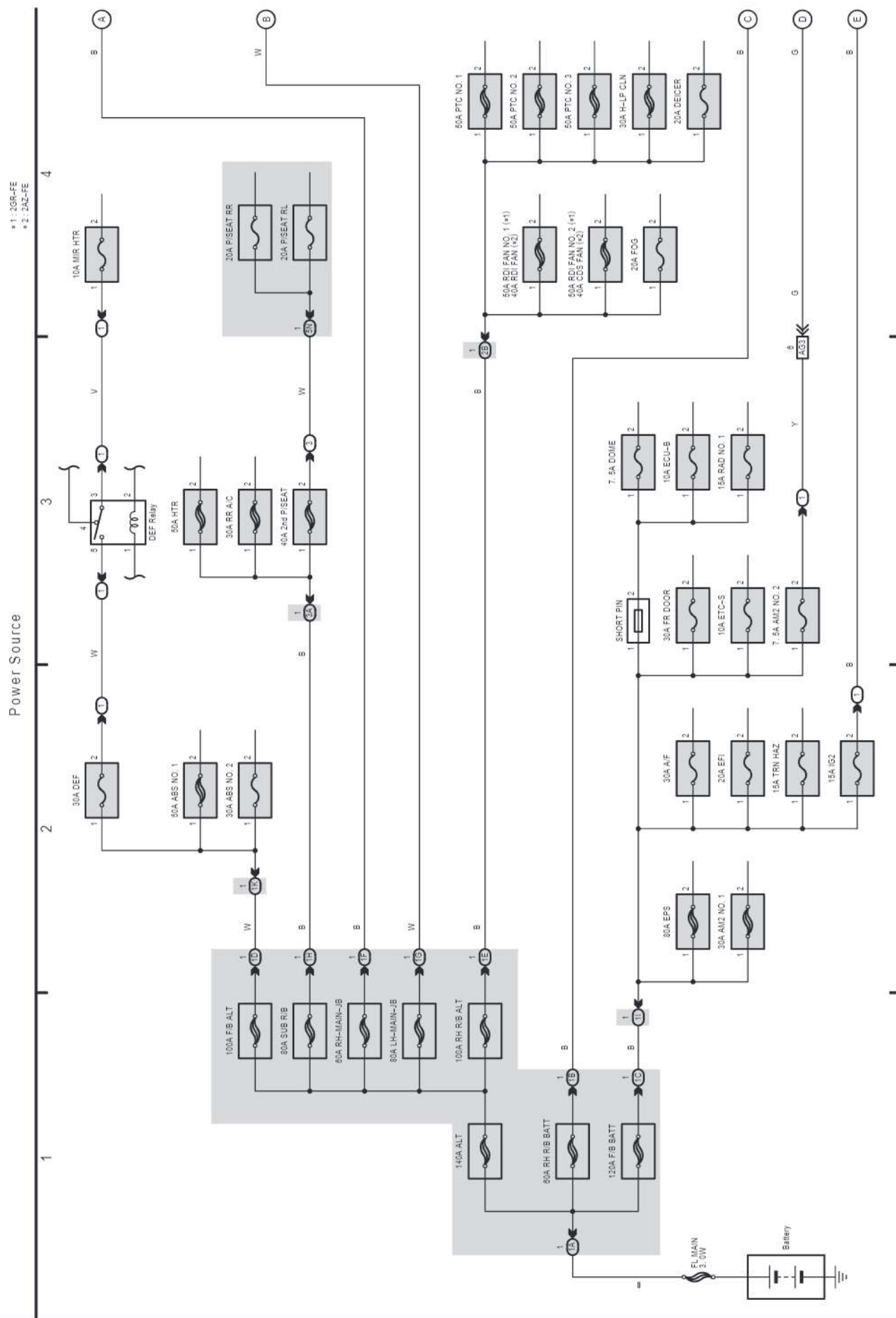


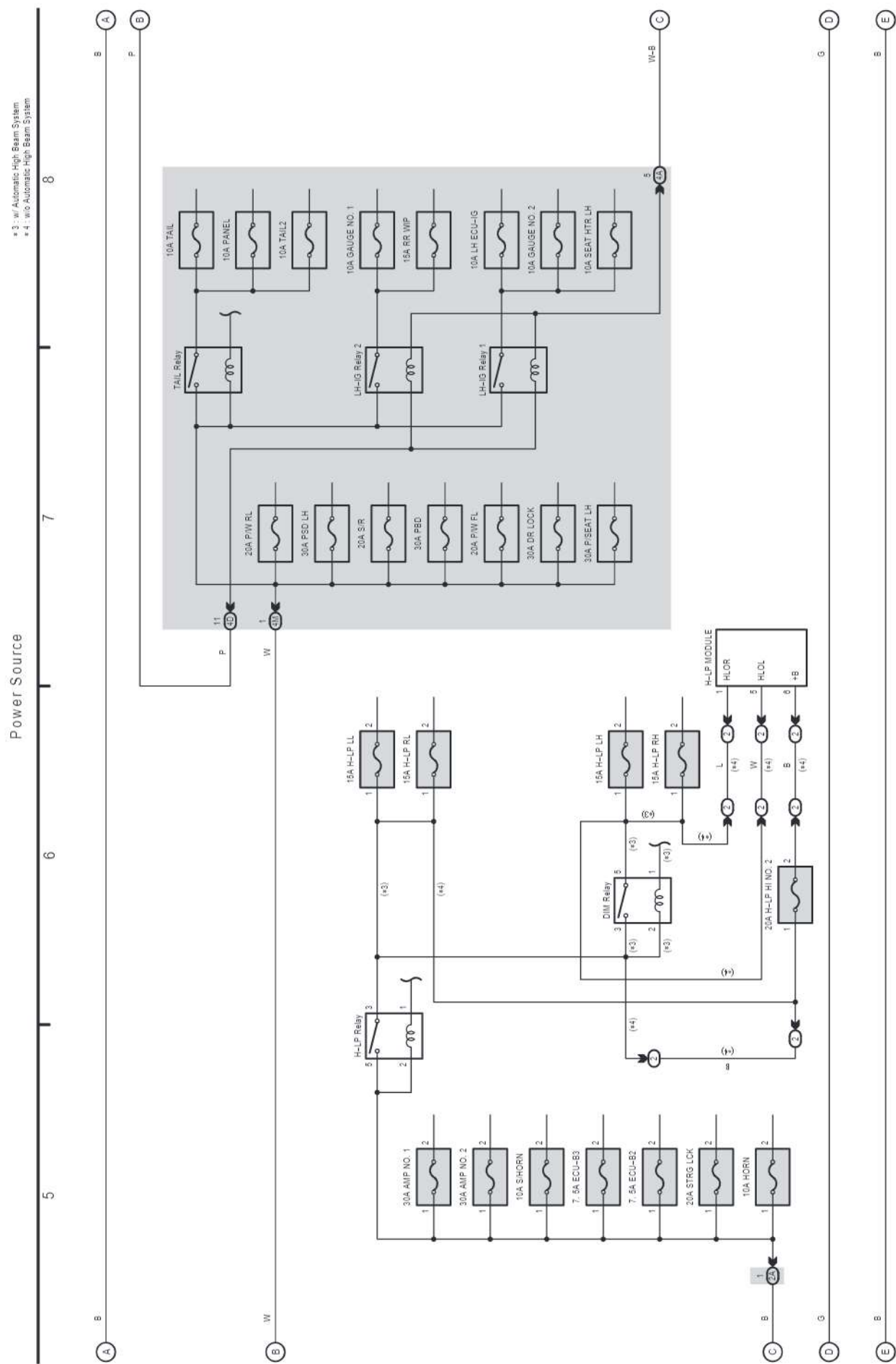
M OVERALL ELECTRICAL WIRING DIAGRAM

1 ALPHARD / VELLFIRE

(Cont. next page)

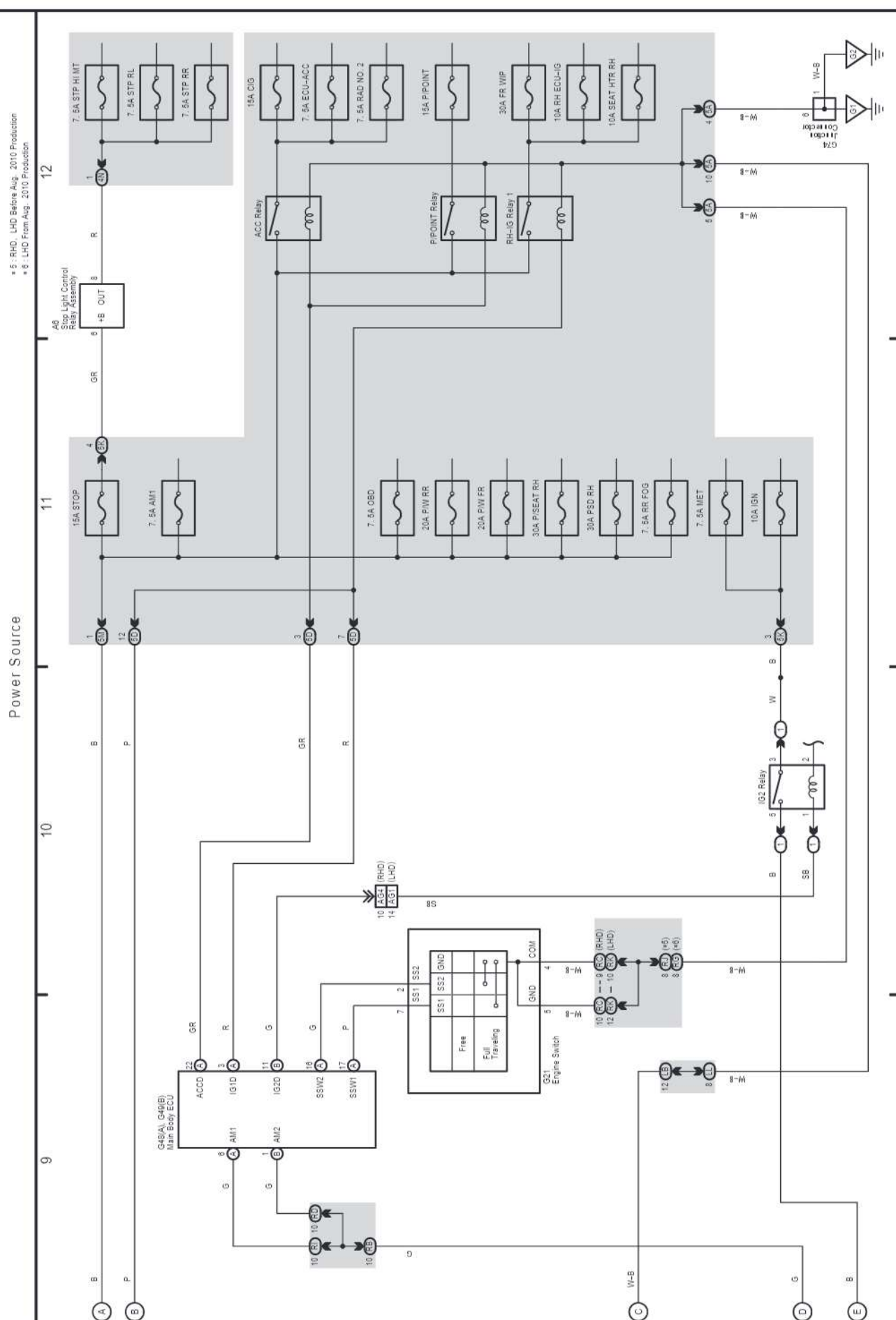


ALPHARD / VELLFIRE (EM08Z5E)



M OVERALL ELECTRICAL WIRING DIAGRAM

11 ALPHARD / VELLFIRE (Cont' d)



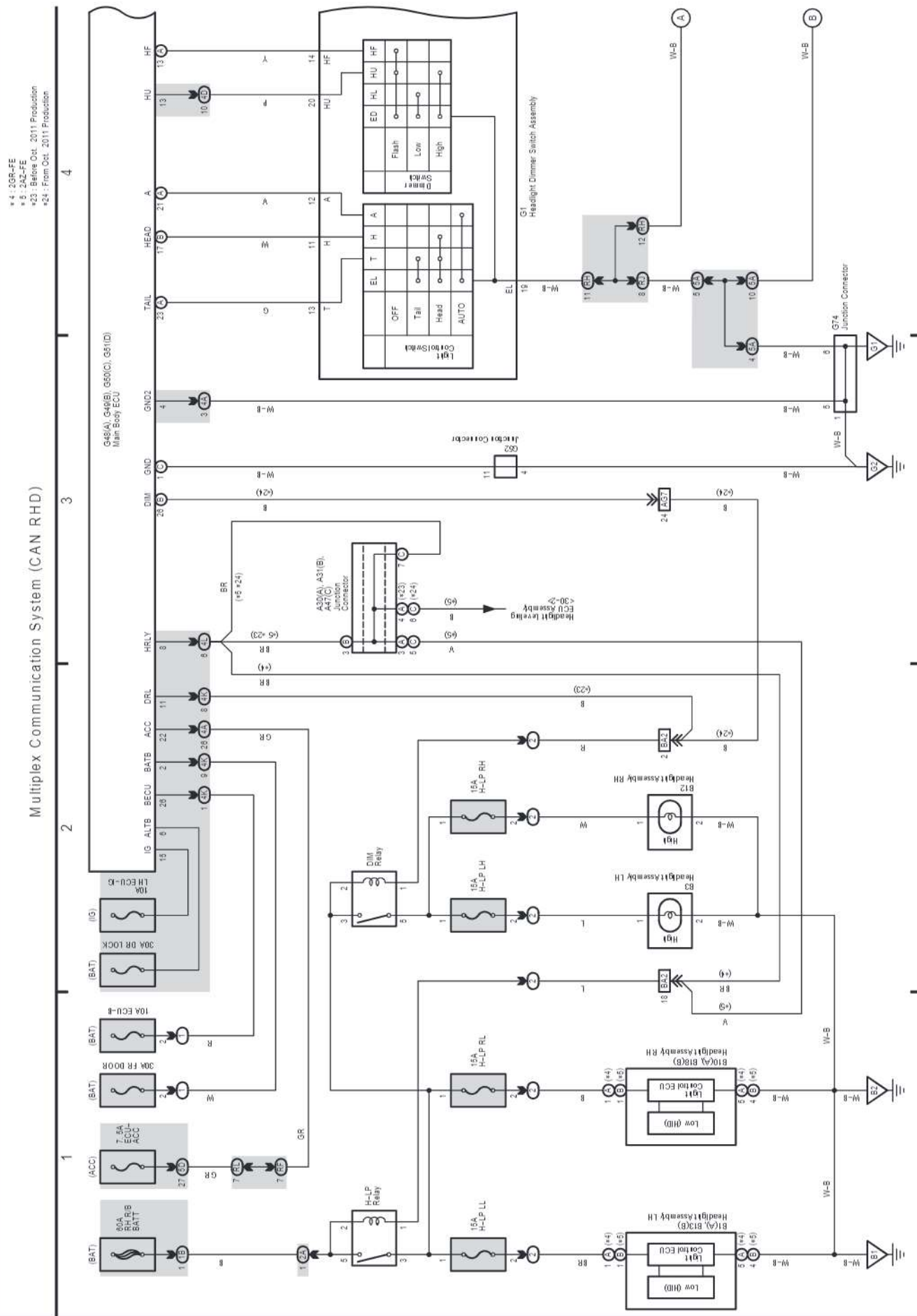
ALPHARD / VELLFIRE (EM08Z5E)

M OVERALL ELECTRICAL WIRING DIAGRAM

2 ALPHARD / VELLFIRE

(Cont. next page)

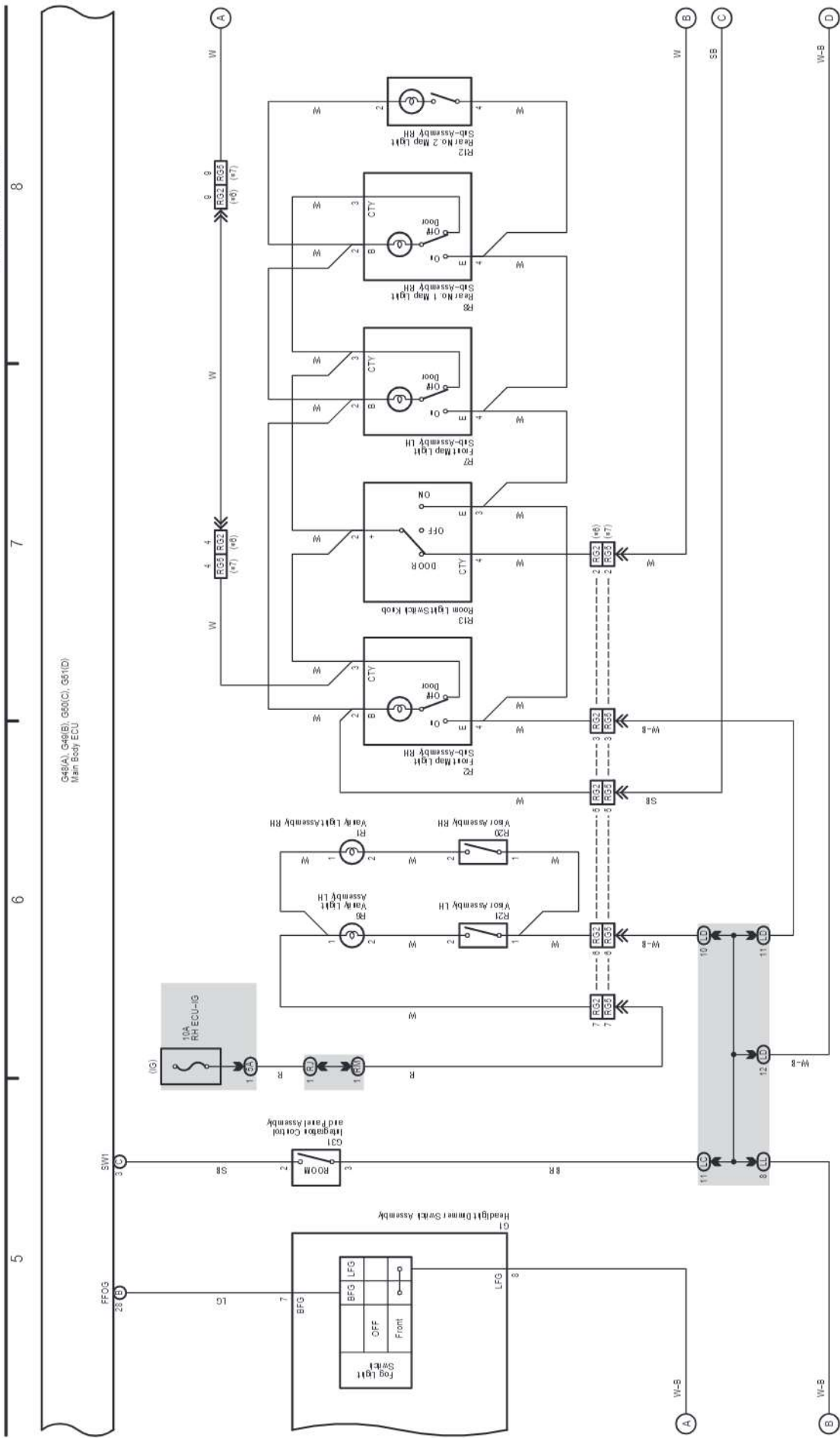
Multiplex Communication System (CAN RHD)



ALPHARD / VELLFIRE (EM08Z5E)

Multiplex Communication System (CAN RHD)

* 6 : Before Jun. 2009 Production
* 7 : From Jun. 2009 Production



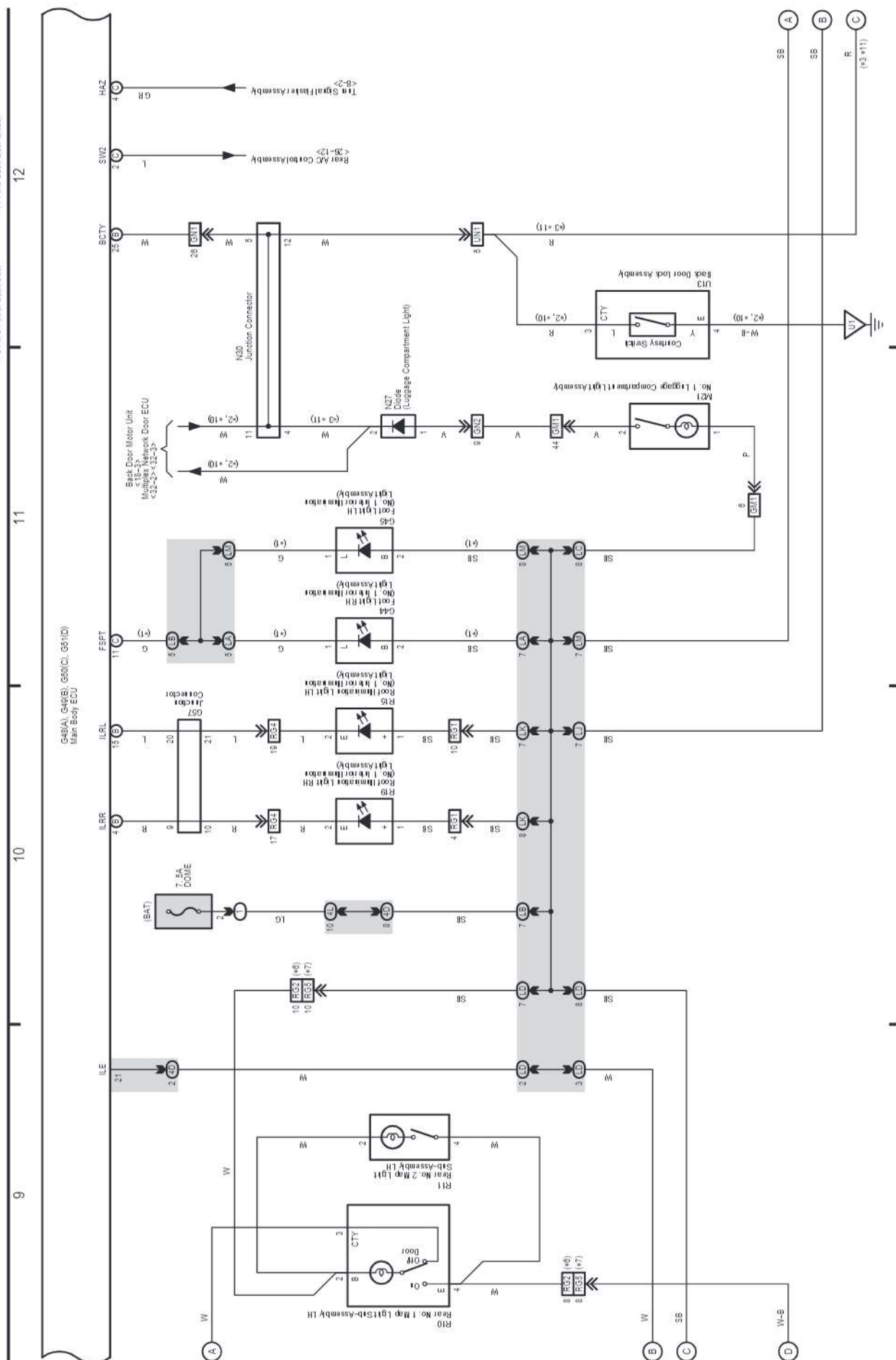
M OVERALL ELECTRICAL WIRING DIAGRAM

2 ALPHARD / VELLFIRE (Cont' d)

(Cont. next page)

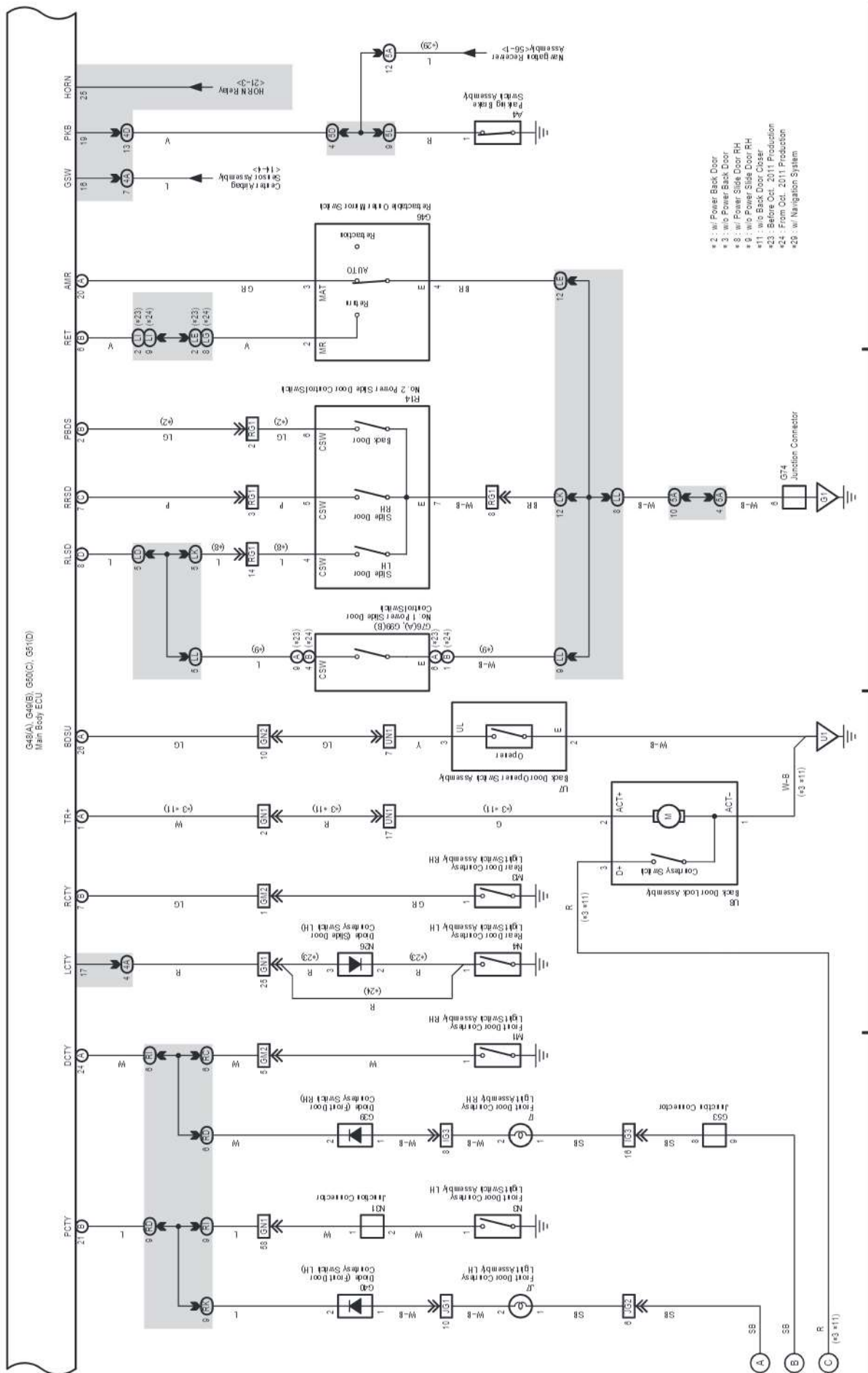
- * 1 : w/ Foot Light
- * 2 : w/ Power Back Door
- * 3 : w/o Power Back Door
- * 6 : Before Jun. 2009 Production
- * 7 : From Jun. 2009 Production
- * 10 : w/ Back Door Closer
- * 11 : w/o Back Door Closer

Multiplex Communication System (CAN RHD)



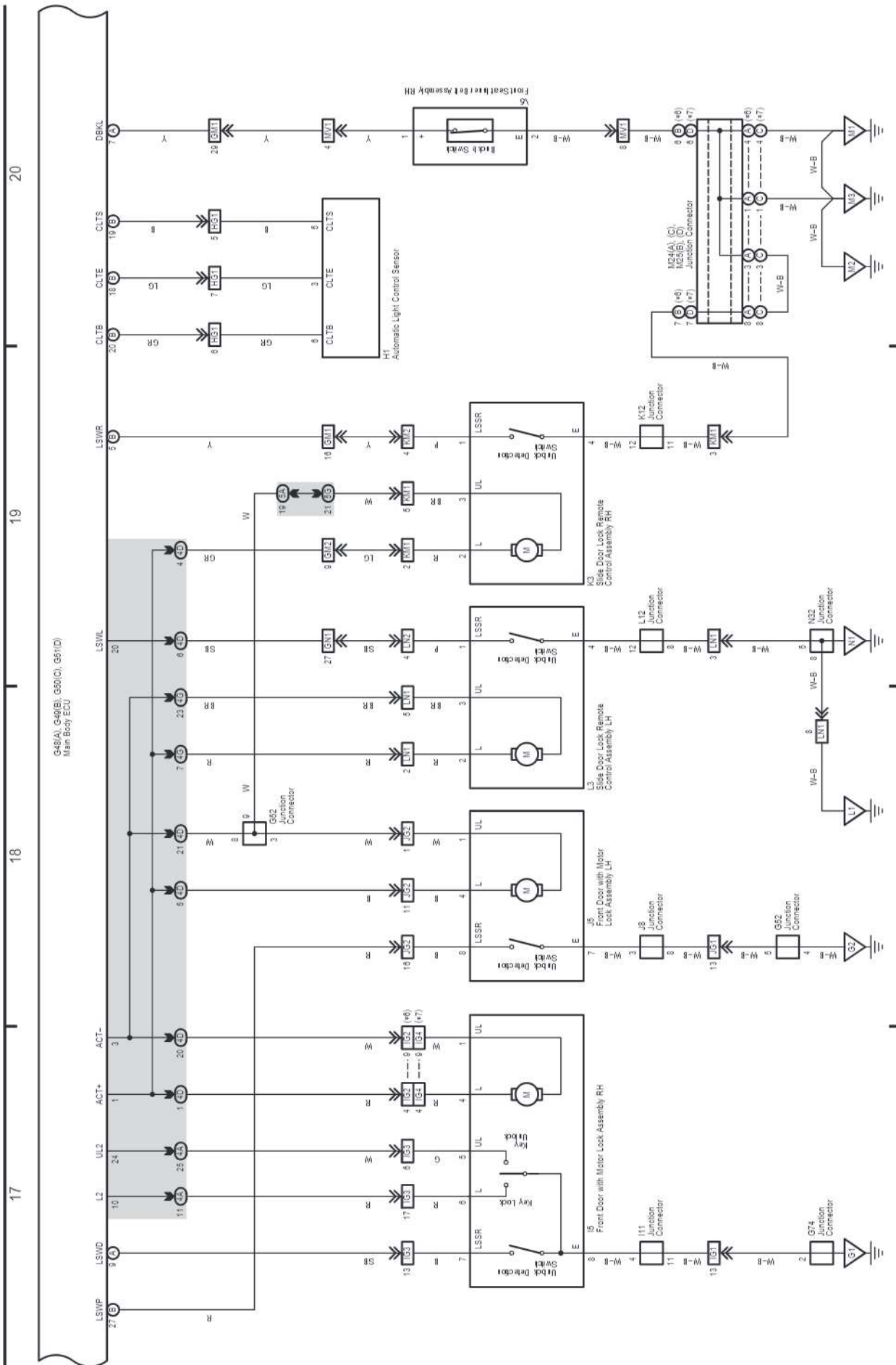
ALPHARD / VELLFIRE (EM08Z5E)

16



Multiplex Communication System (CAN RHD)

* 8 : Before Jun. 2008 Production
* 7 : From Jun. 2008 Production



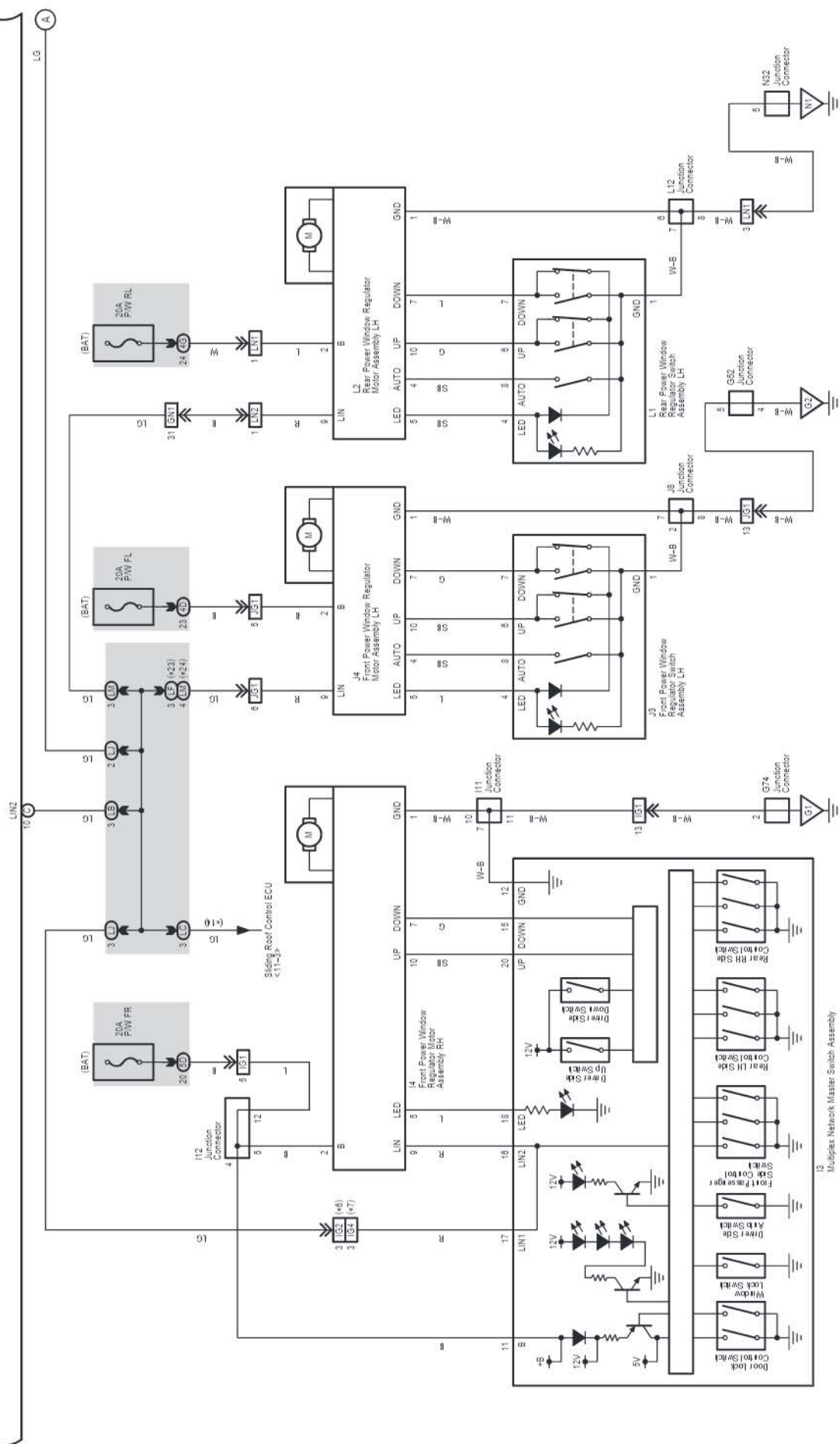
24

21

22

23

24

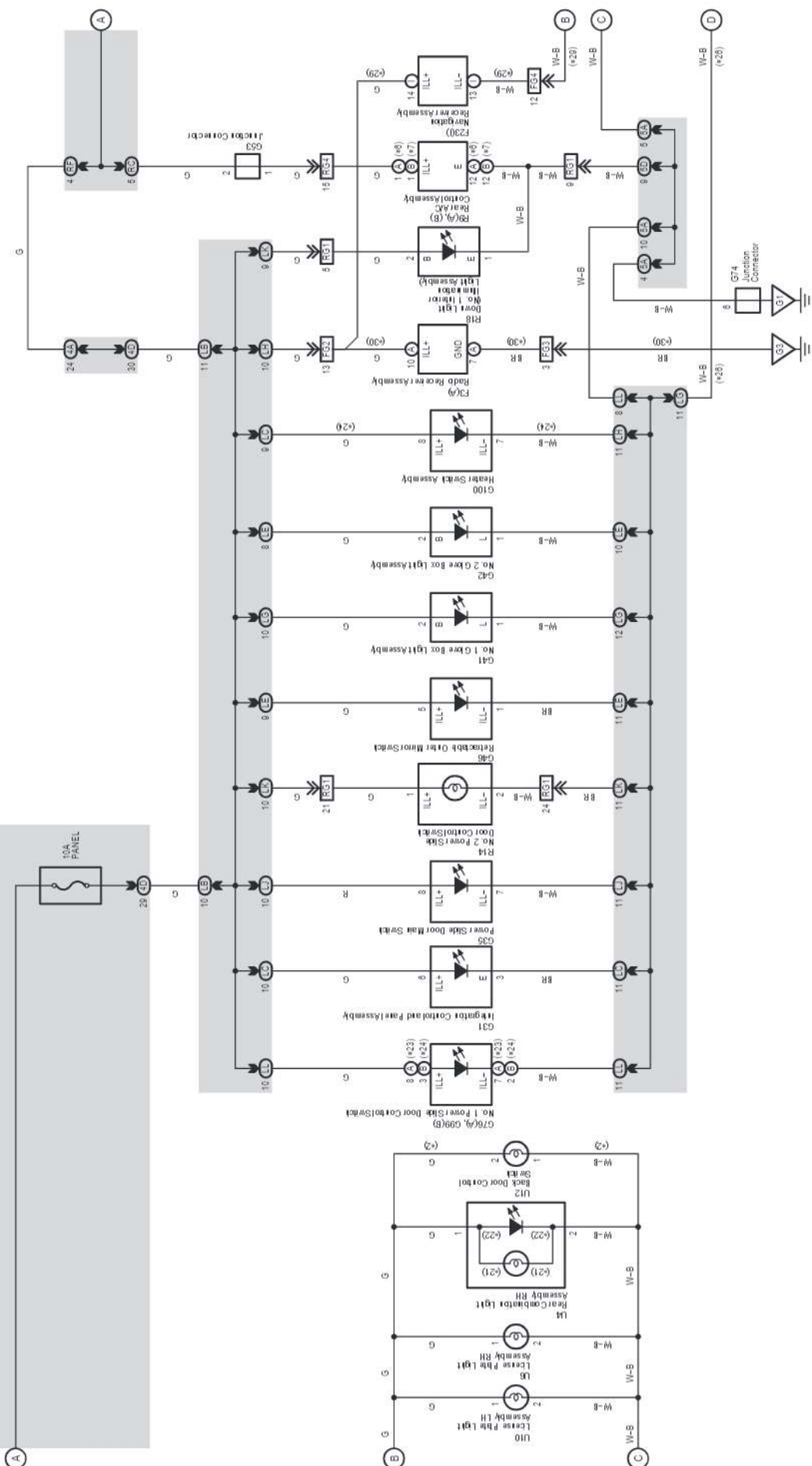
G48(A), G49(B), G50(C), G51(D)
Main Body ECU

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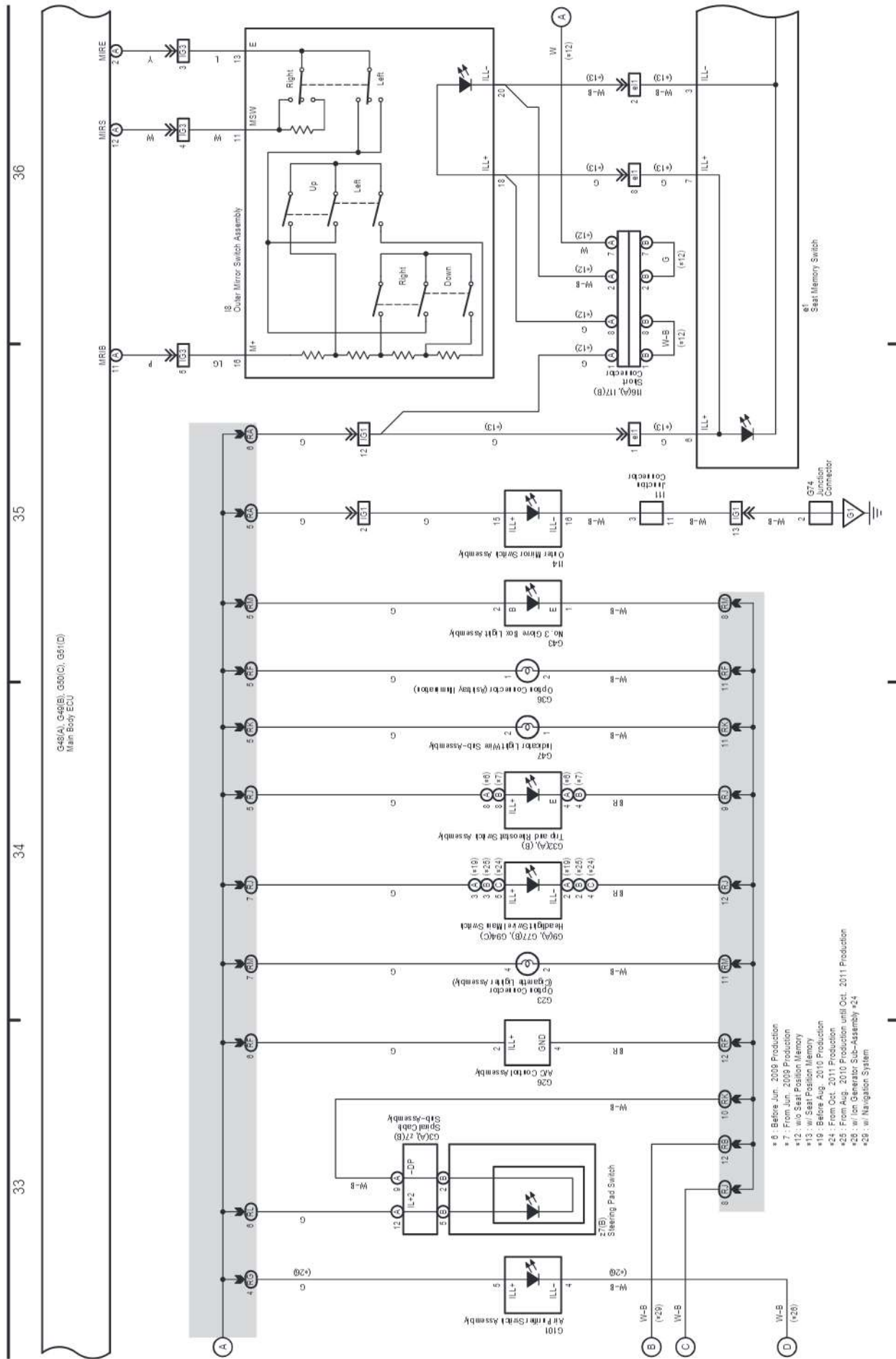


32

A



Multiplex Communication System (CAN RHD)



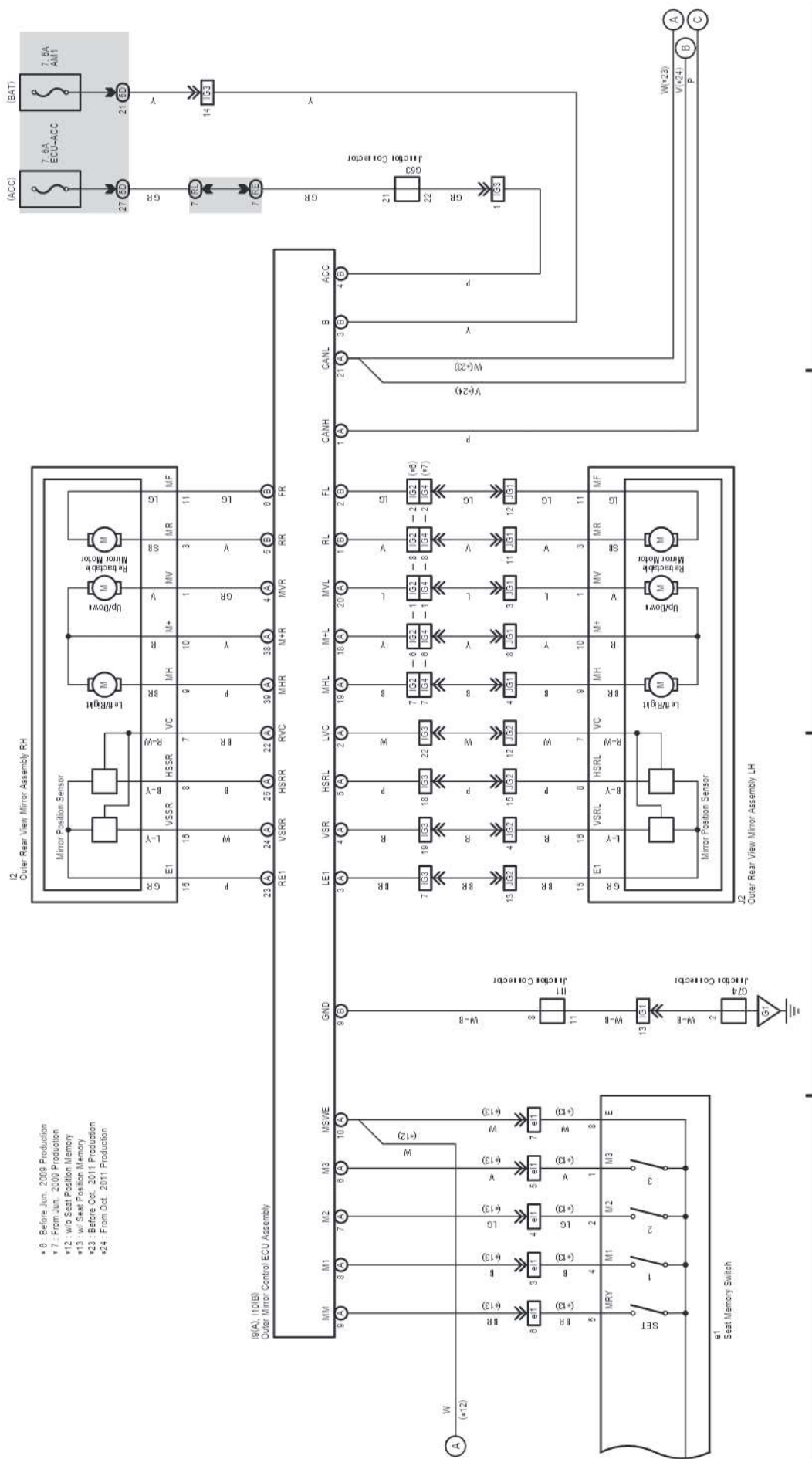
Multiplex Communication System (CAN RHD)

37

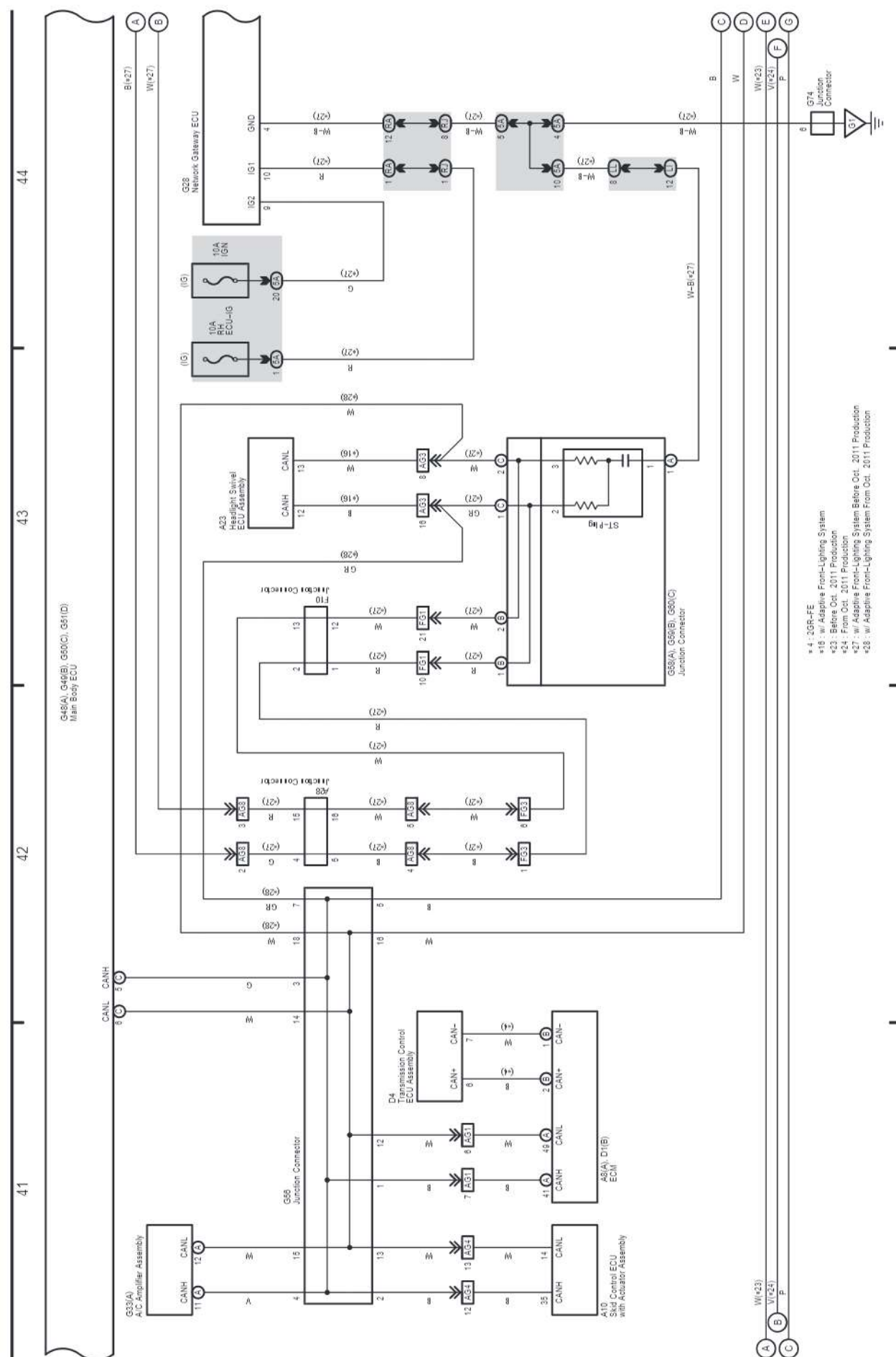
38

39

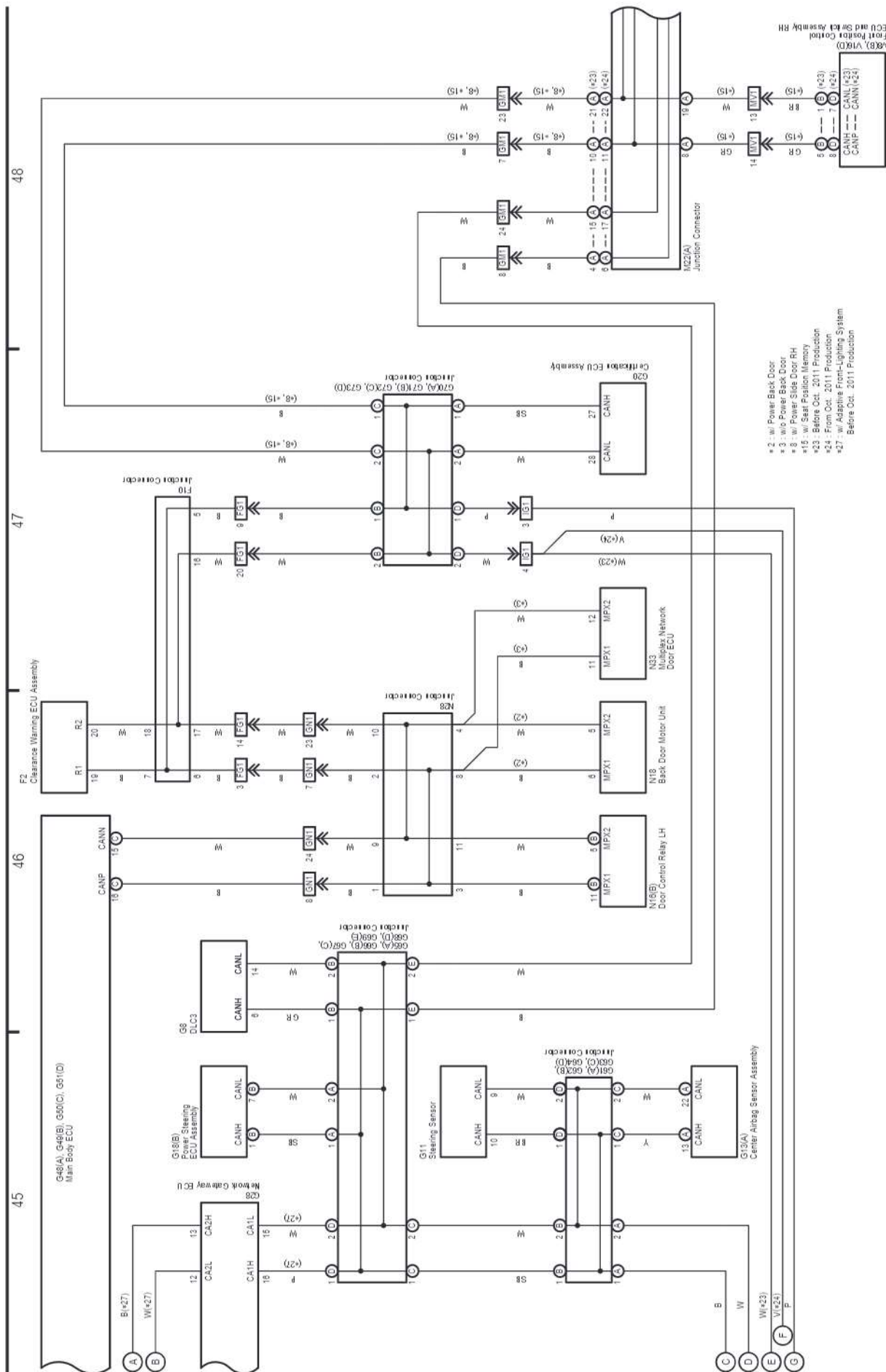
40

G48(A), G48(B), G50(C), G51(D)
Main Body ECU

Multiplex Communication System (CAN RHD)



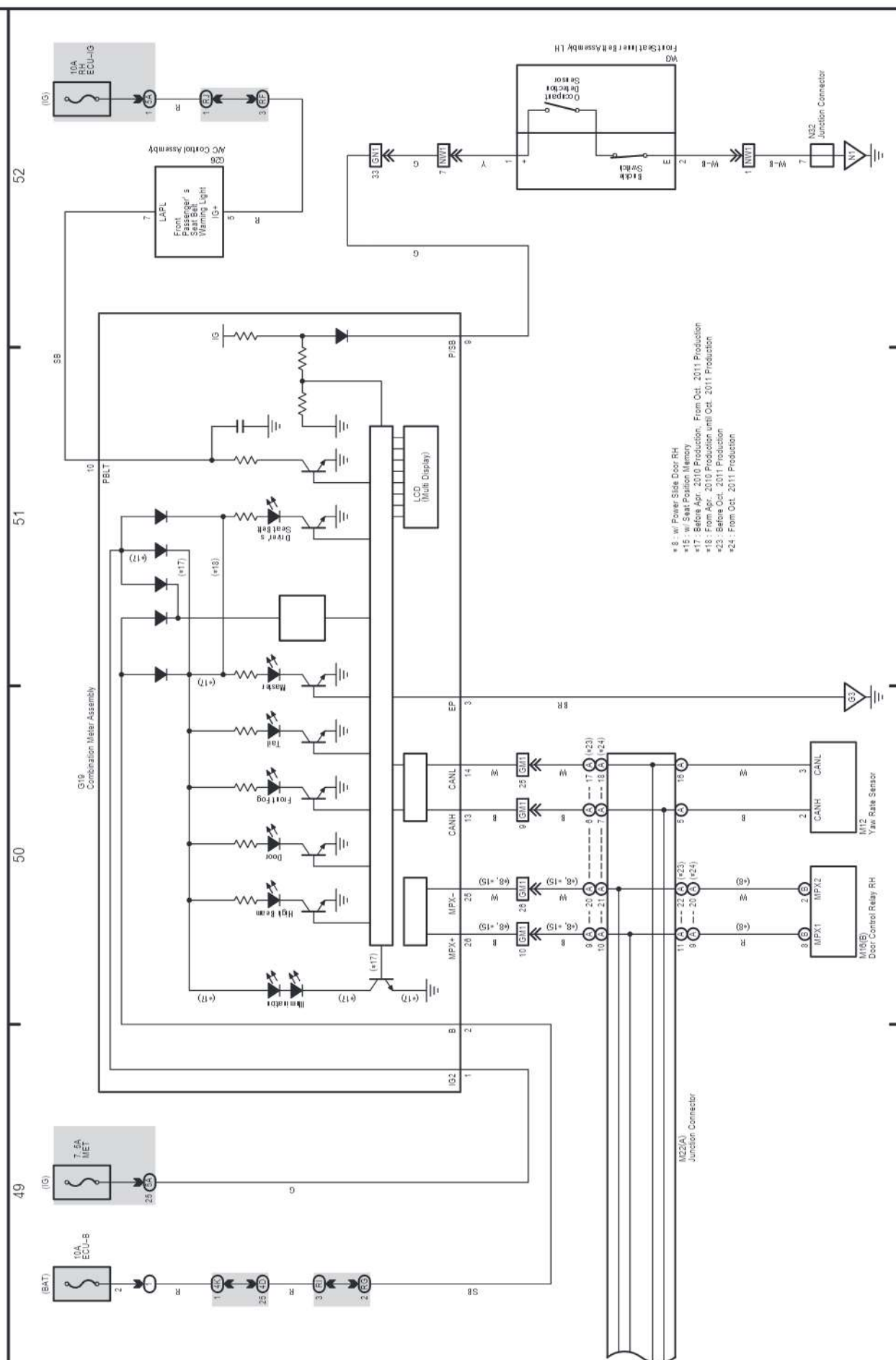
Multiplex Communication System (CAN RHD)

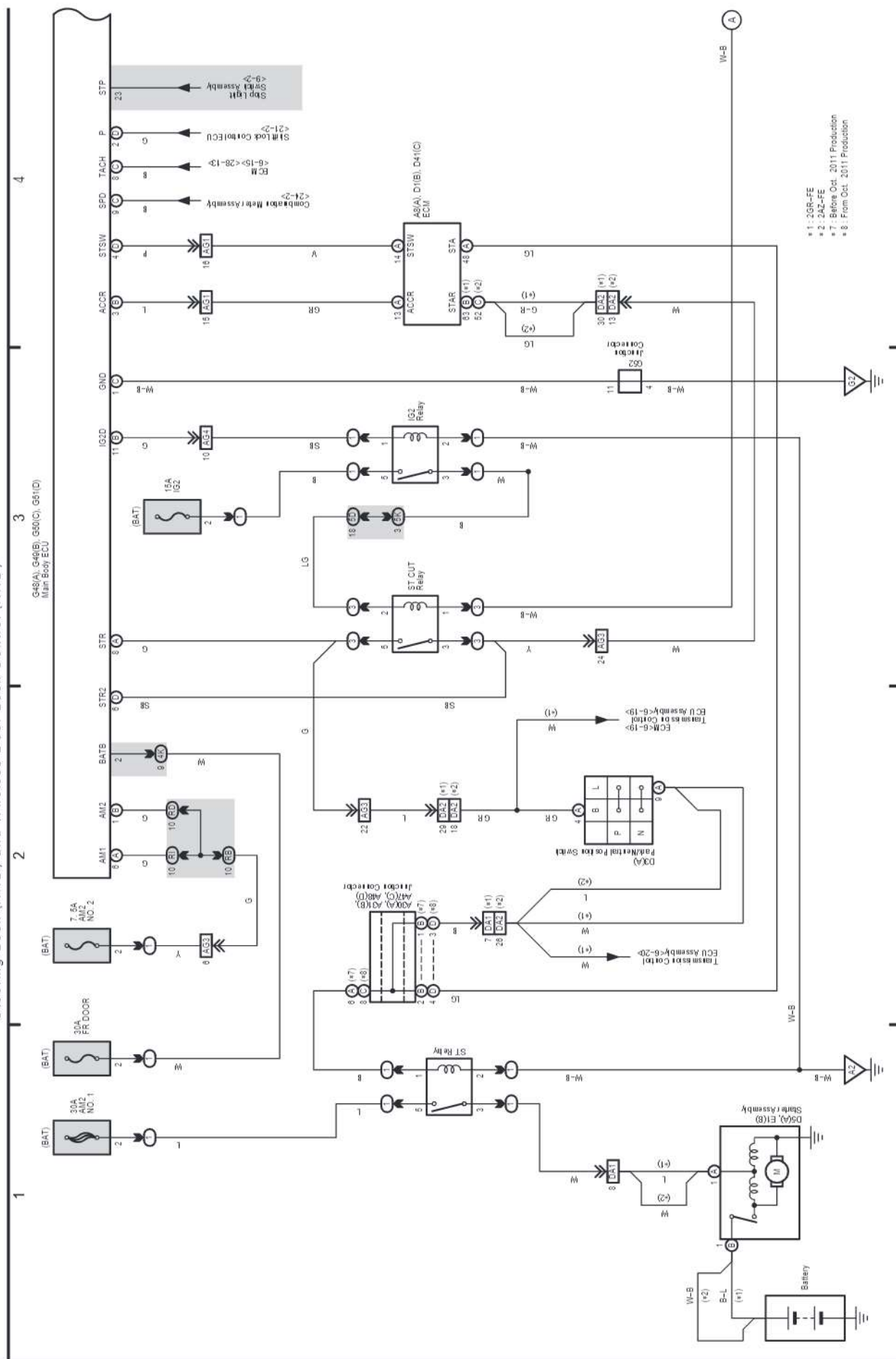


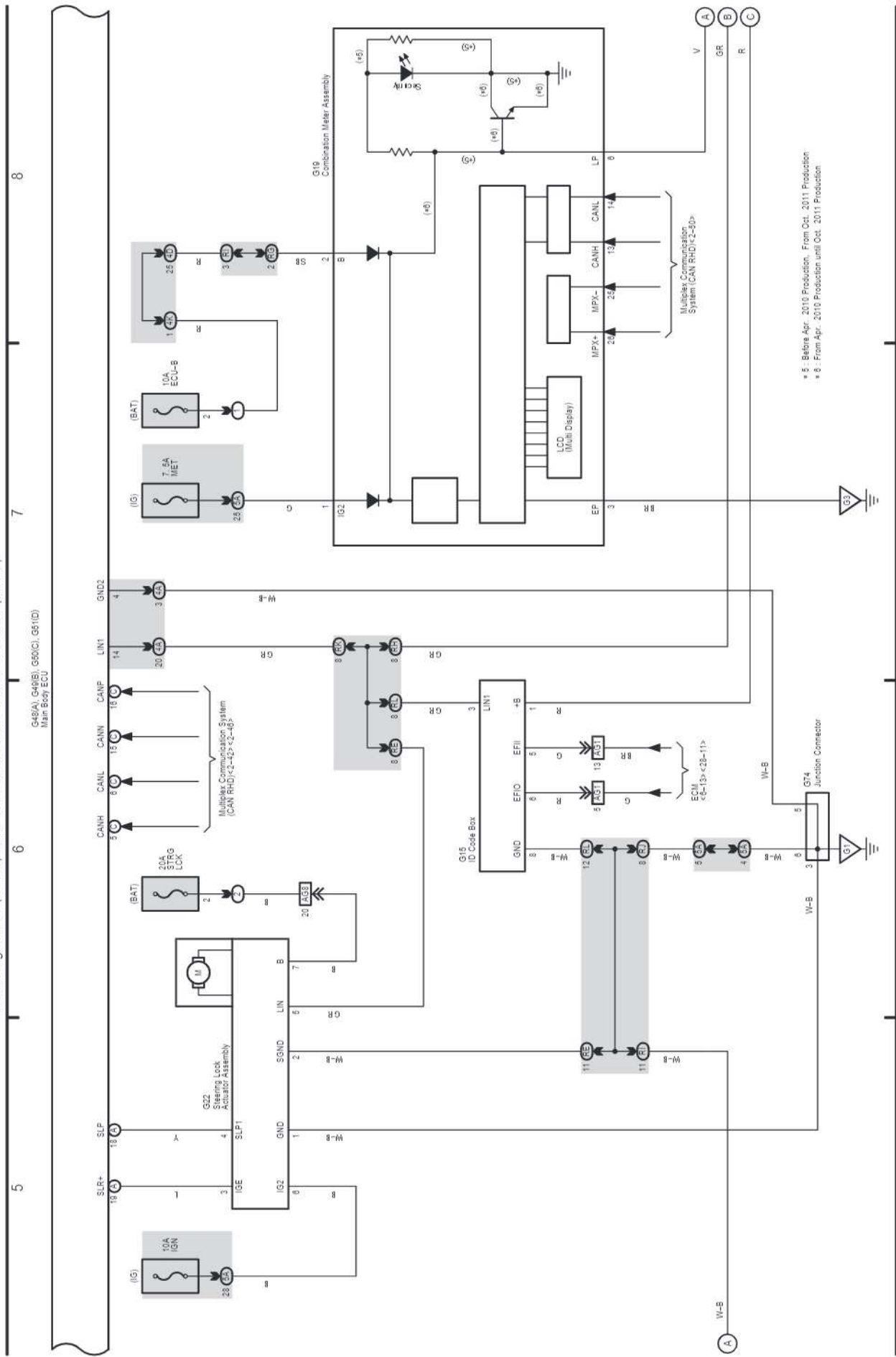
M OVERALL ELECTRICAL WIRING DIAGRAM

2 ALPHARD / VELLFIRE (Cont' d)

Multiplex Communication System (CAN RHD)



Engine Immobiliser System (RHD), Smart Entry & Start System (RHD), Starting (RHD),
Steering Lock (RHD) and Wireless Door Lock Control (RHD)

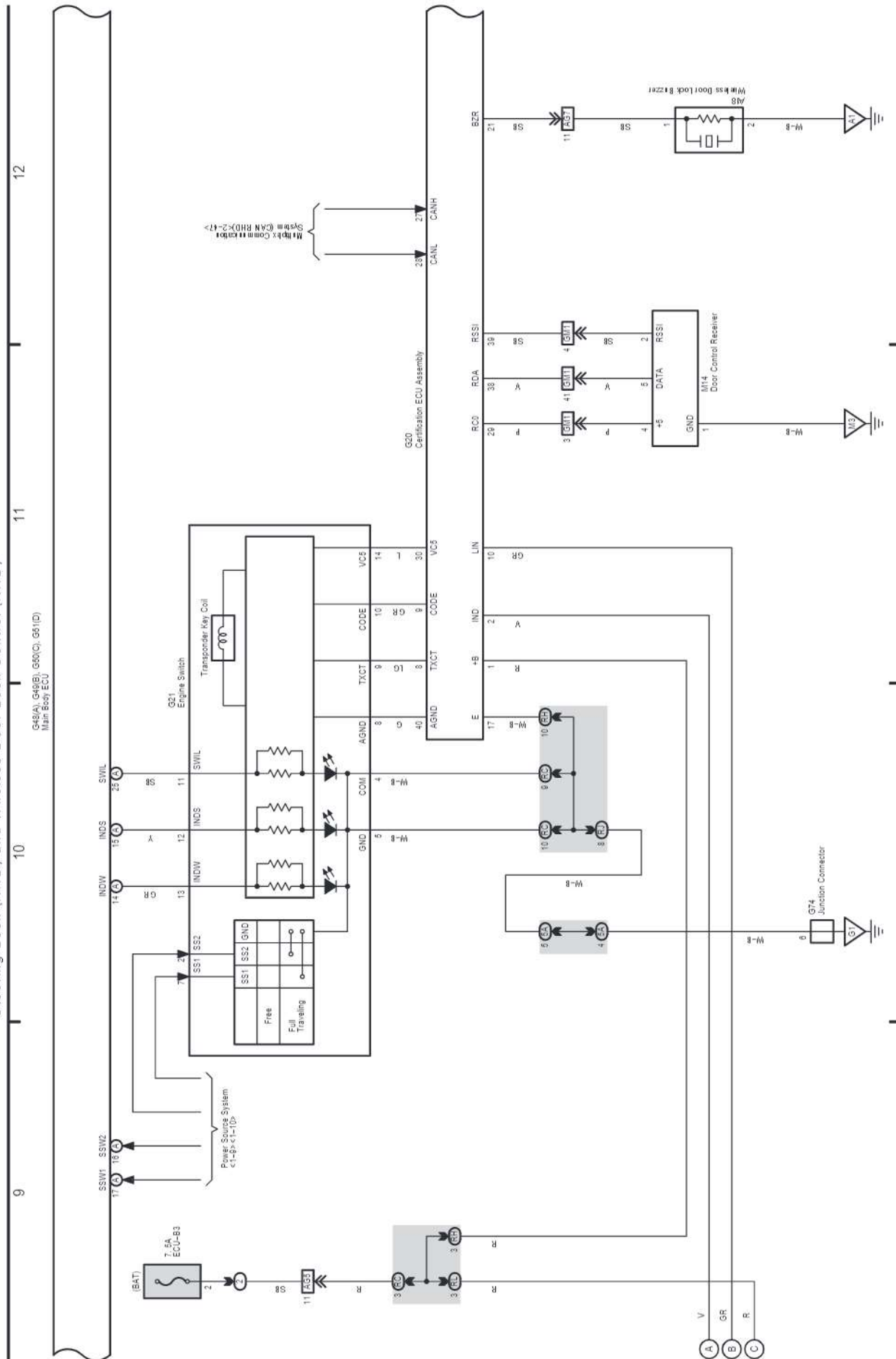
Engine Immobiliser System (RHD), Smart Entry & Start System (RHD), Starting (RHD),
Steering Lock (RHD) and Wireless Door Lock Control (RHD)

M OVERALL ELECTRICAL WIRING DIAGRAM

3 ALPHARD / VELLFIRE (Cont' d)

(Cont. next page)

Engine Immobiliser System (RHD), Smart Entry & Start System (RHD), Starting (RHD),
Steering Lock (RHD) and Wireless Door Lock Control (RHD)



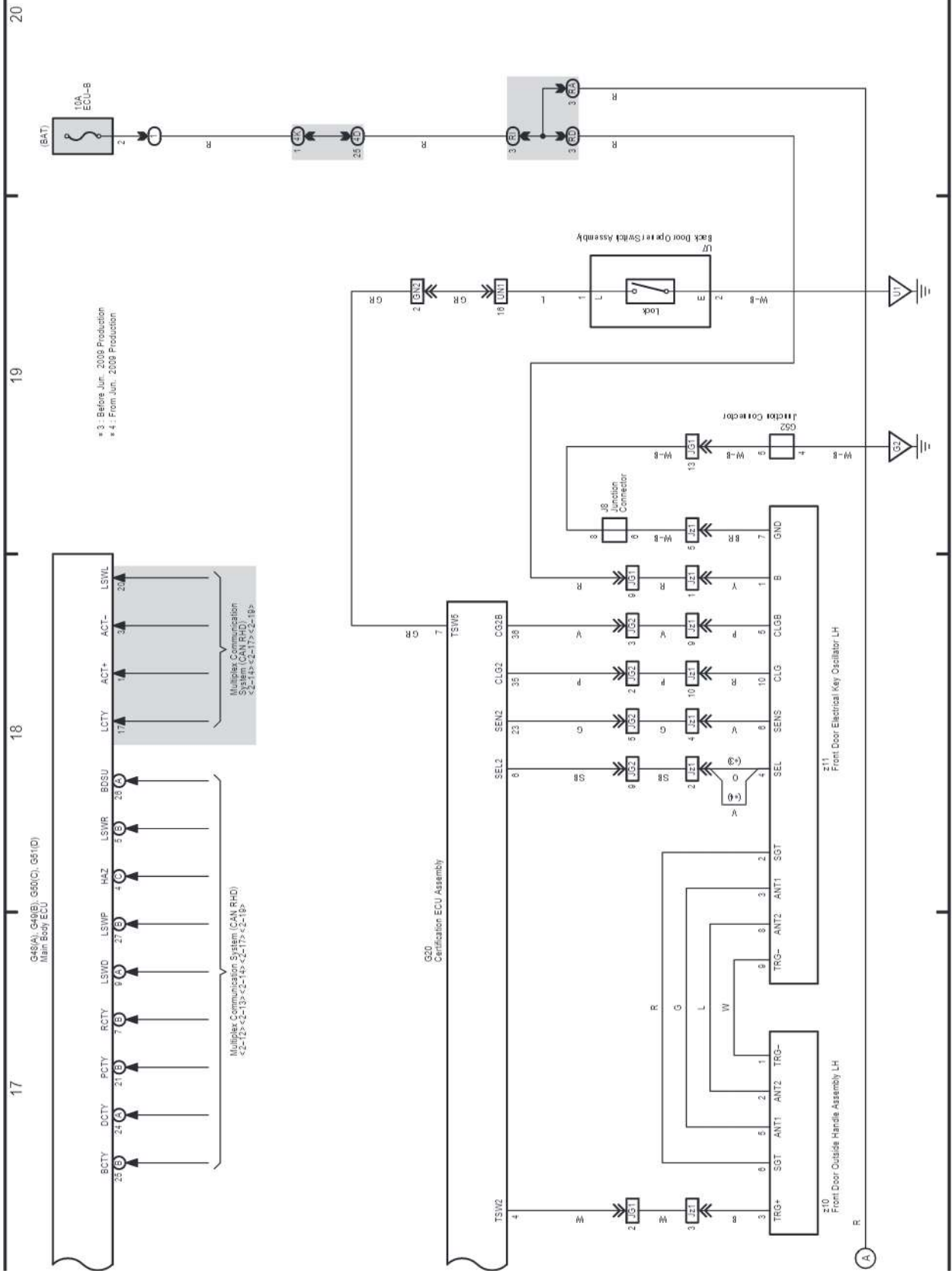
16



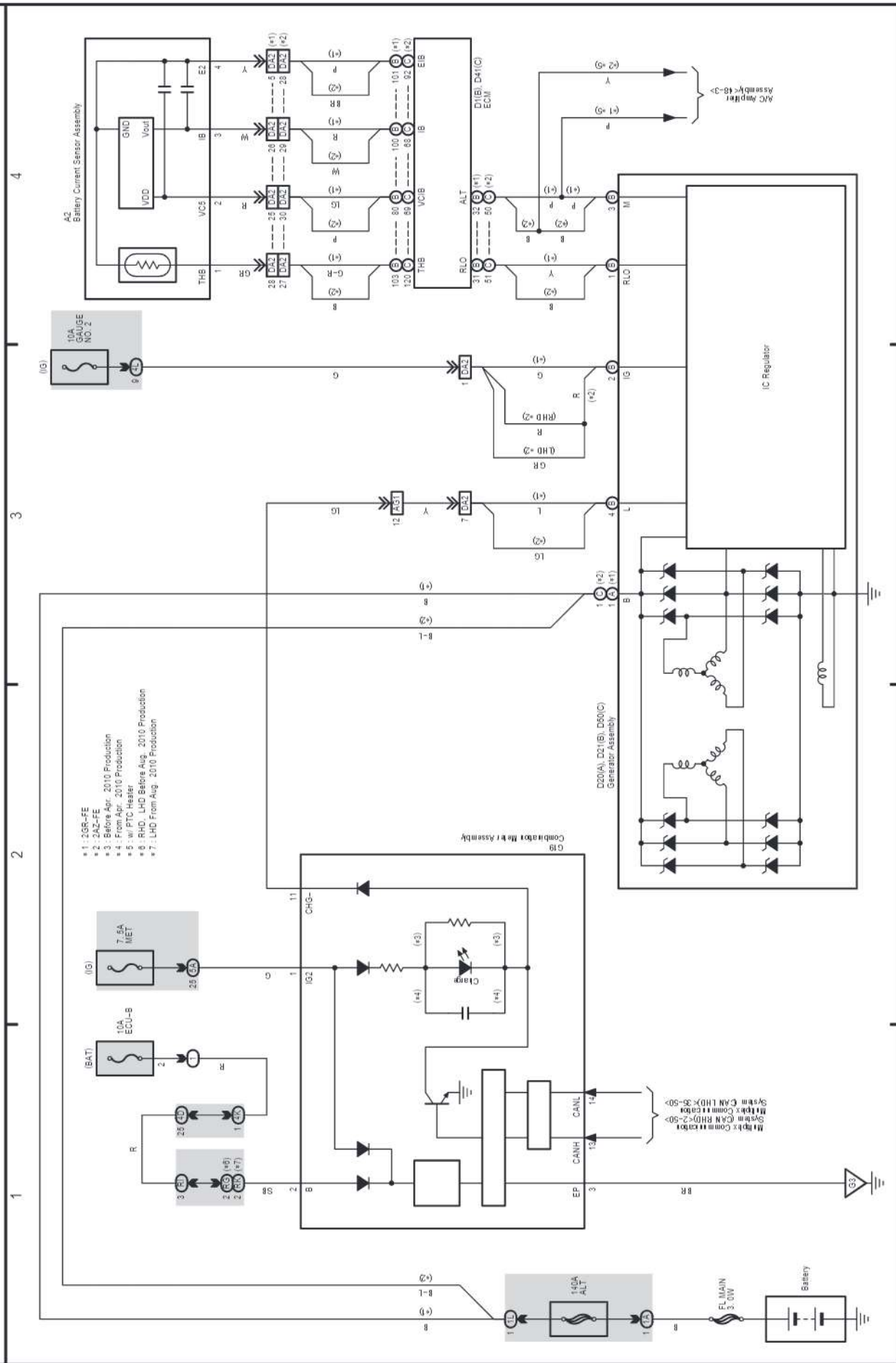
M OVERALL ELECTRICAL WIRING DIAGRAM

3 ALPHARD / VELLFIRE (Cont' d)

Engine Immobiliser System (RHD), Smart Entry & Start System (RHD), Starting (RHD),
Steering Lock (RHD) and Wireless Door Lock Control (RHD)



Charging

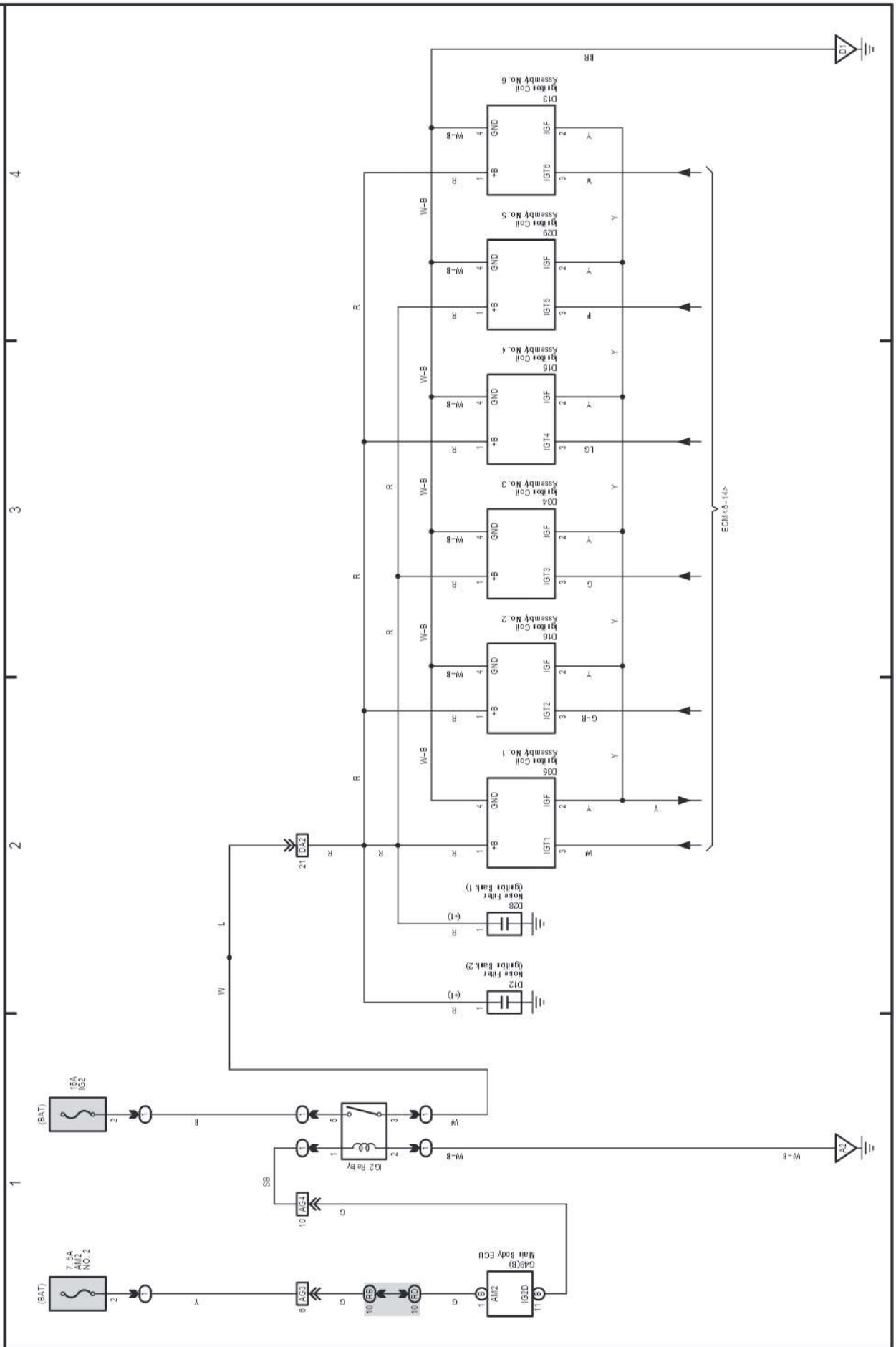


M OVERALL ELECTRICAL WIRING DIAGRAM

5 ALPHARD / VELLFIRE

Ignition (2GR-FE)

* 1 : Before Aug. 2010 Production

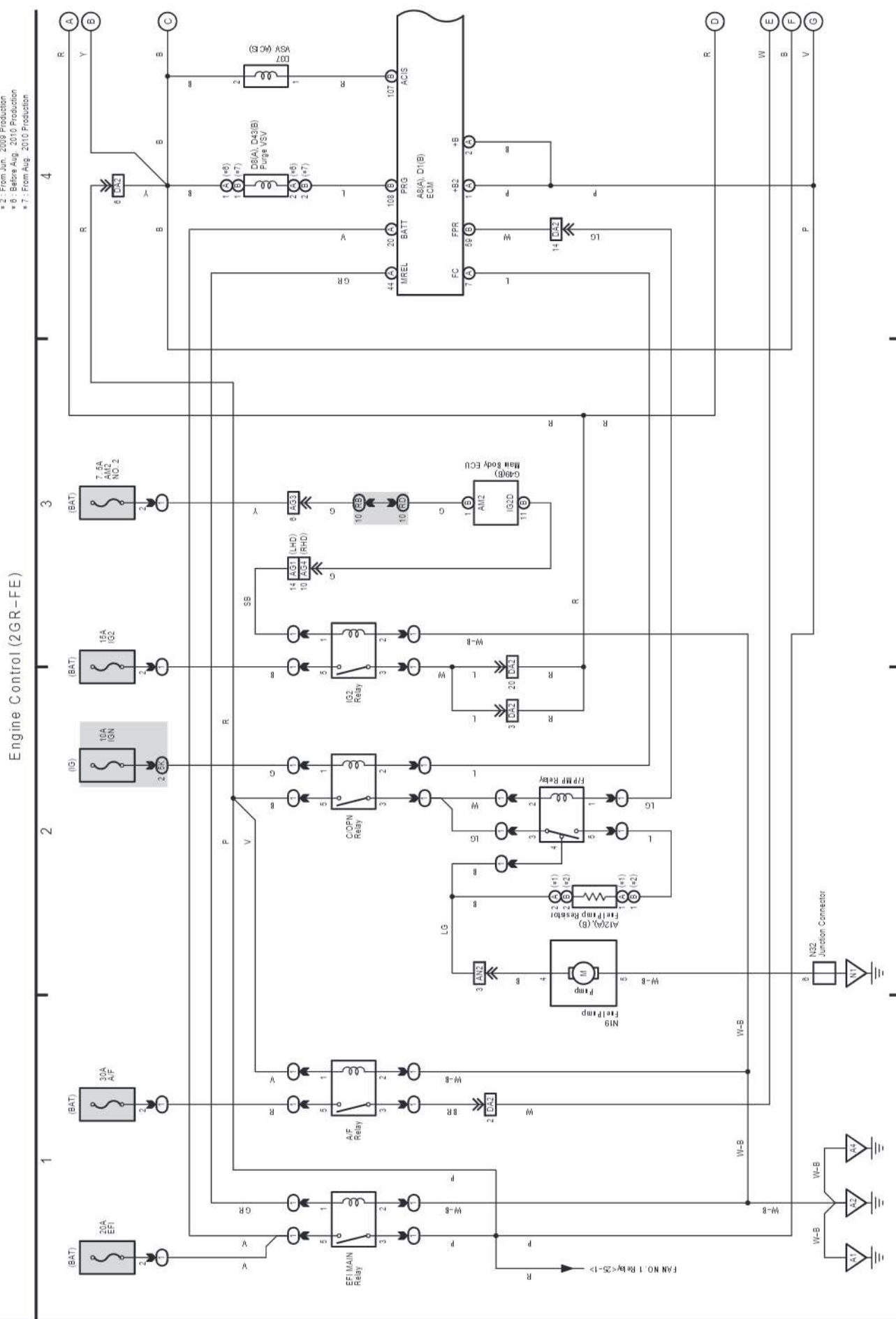


M OVERALL ELECTRICAL WIRING DIAGRAM

6 ALPHARD / VELLFIRE

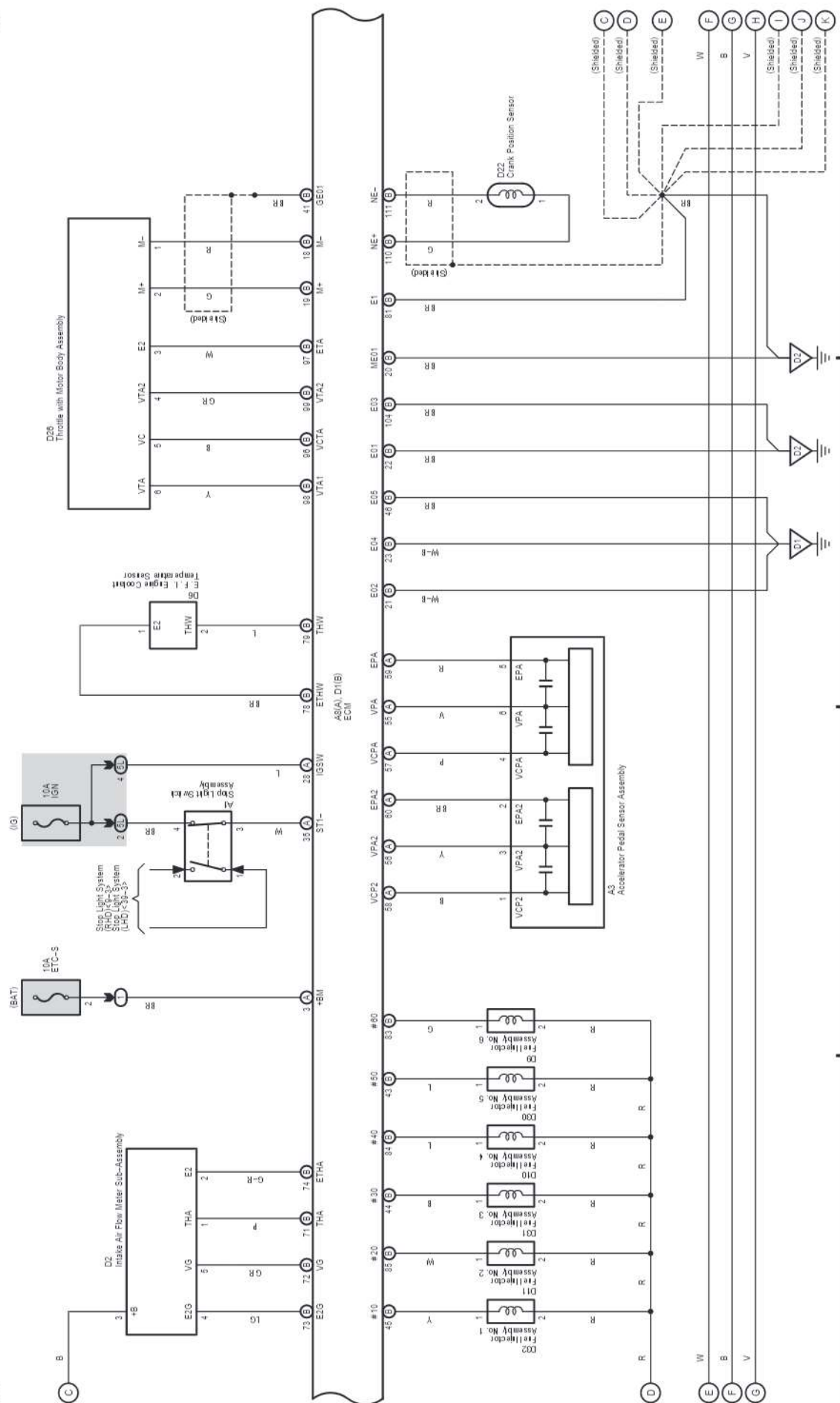
(Cont. next page)

- * 1 : Before Jun. 2009 Production
- * 2 : From Jun. 2009 Production
- * 6 : Before Aug. 2010 Production
- * 7 : From Aug. 2010 Production



ALPHARD / VELLFIRE (EM08Z5E)

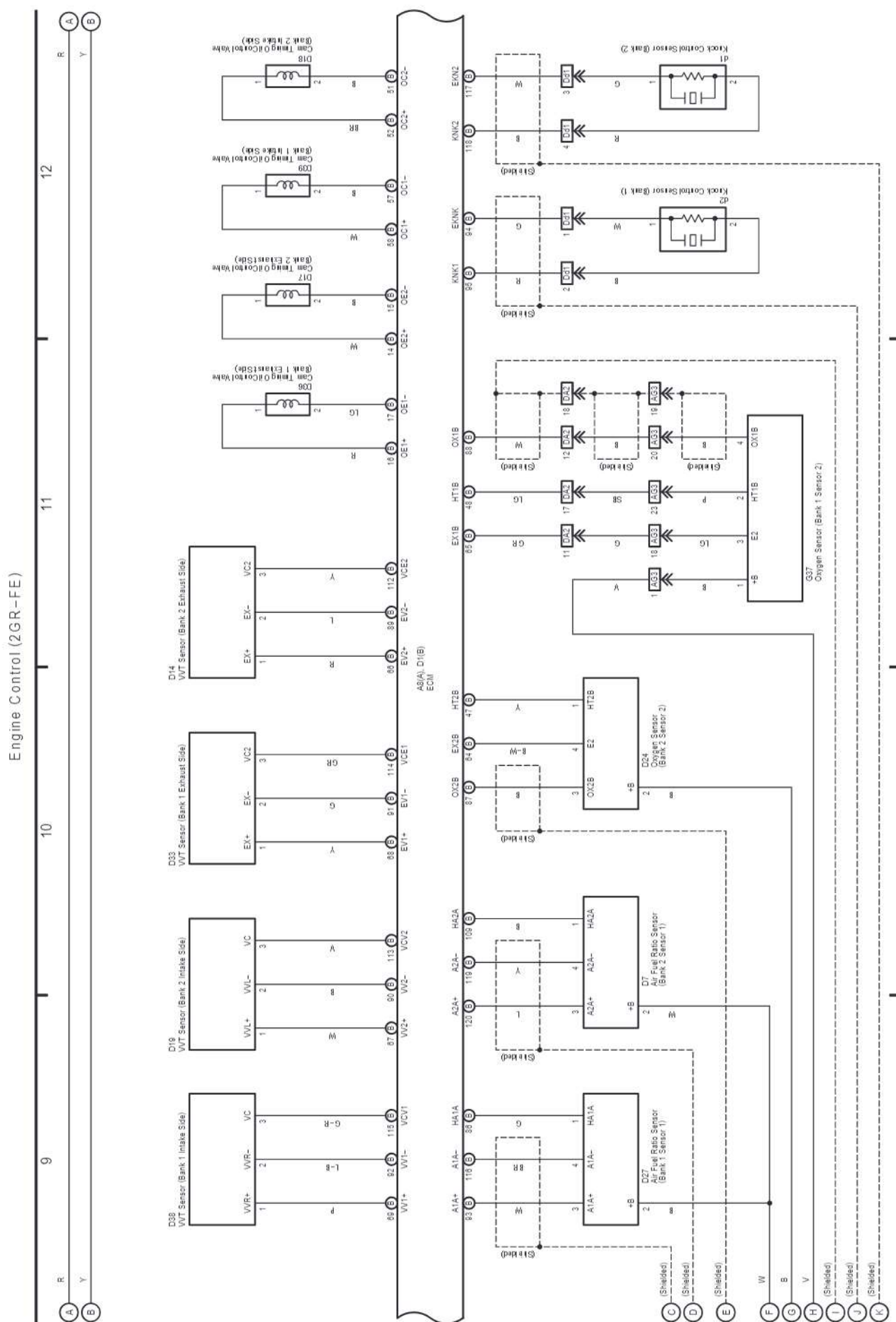
The diagram consists of a horizontal line with four tick marks labeled 5, 6, 7, and 8 from left to right. Above the line, there are three circles labeled α , γ , and ϵ from left to right. Below the line, there are three circles labeled α , γ , and ϵ from left to right. Vertical lines connect the circles to the line: α is connected to the line between 5 and 6, γ is connected to the line between 6 and 7, and ϵ is connected to the line between 7 and 8.



M OVERALL ELECTRICAL WIRING DIAGRAM

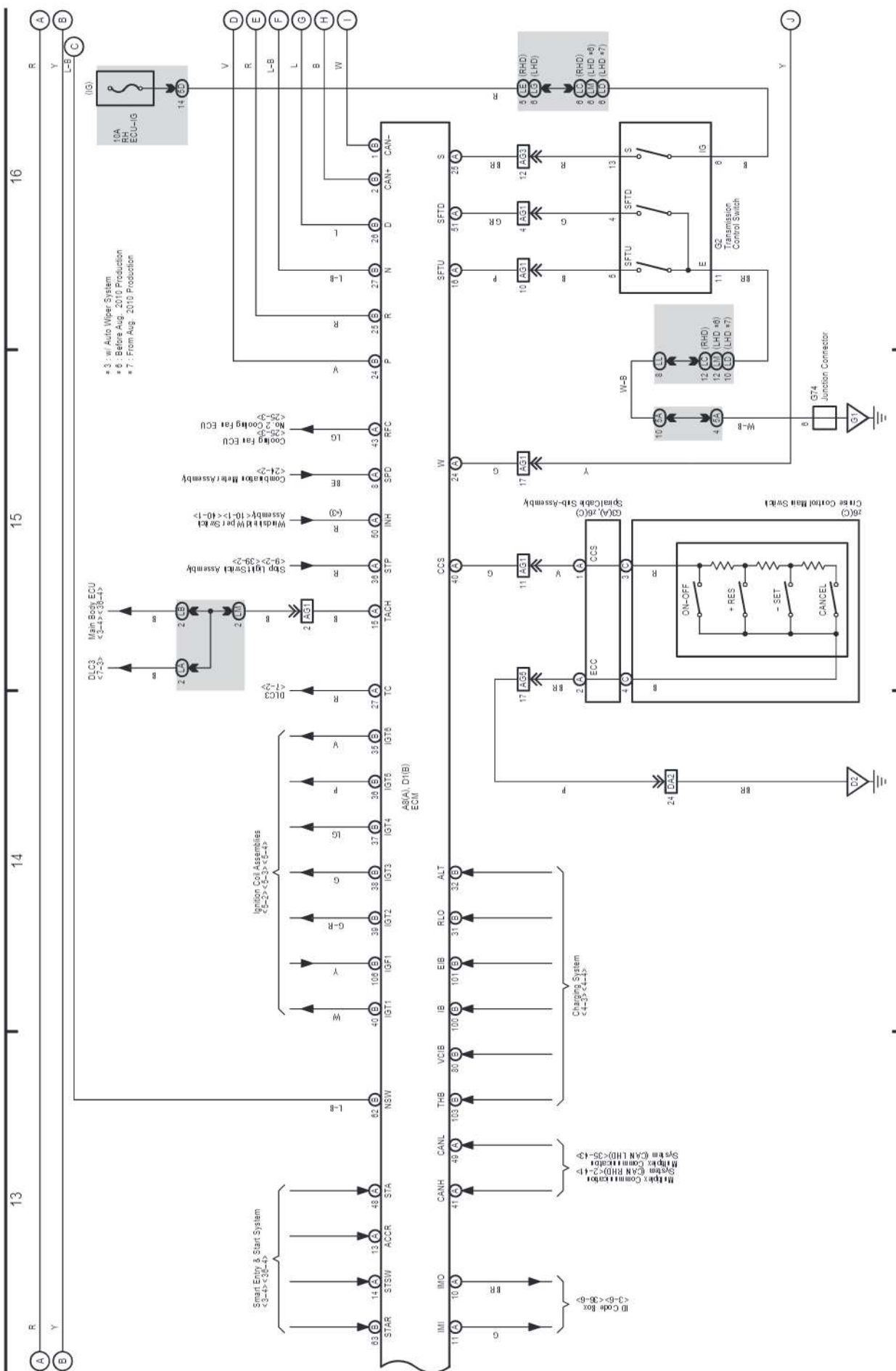
(Cont. next page)

6 ALPHARD / VELLFIRE (Cont' d)

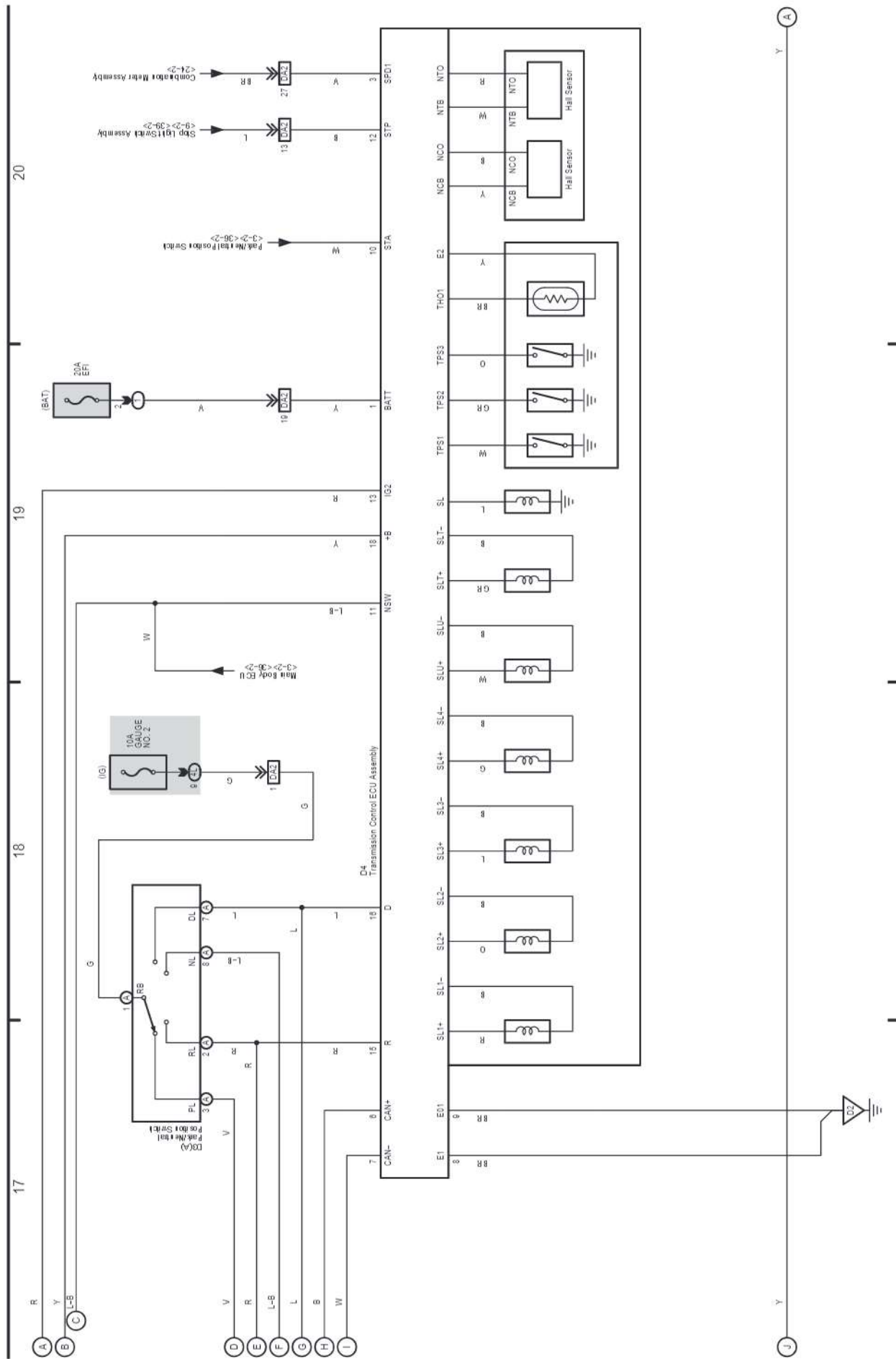


ALPHARD / VELLFIRE (EM08Z5E)

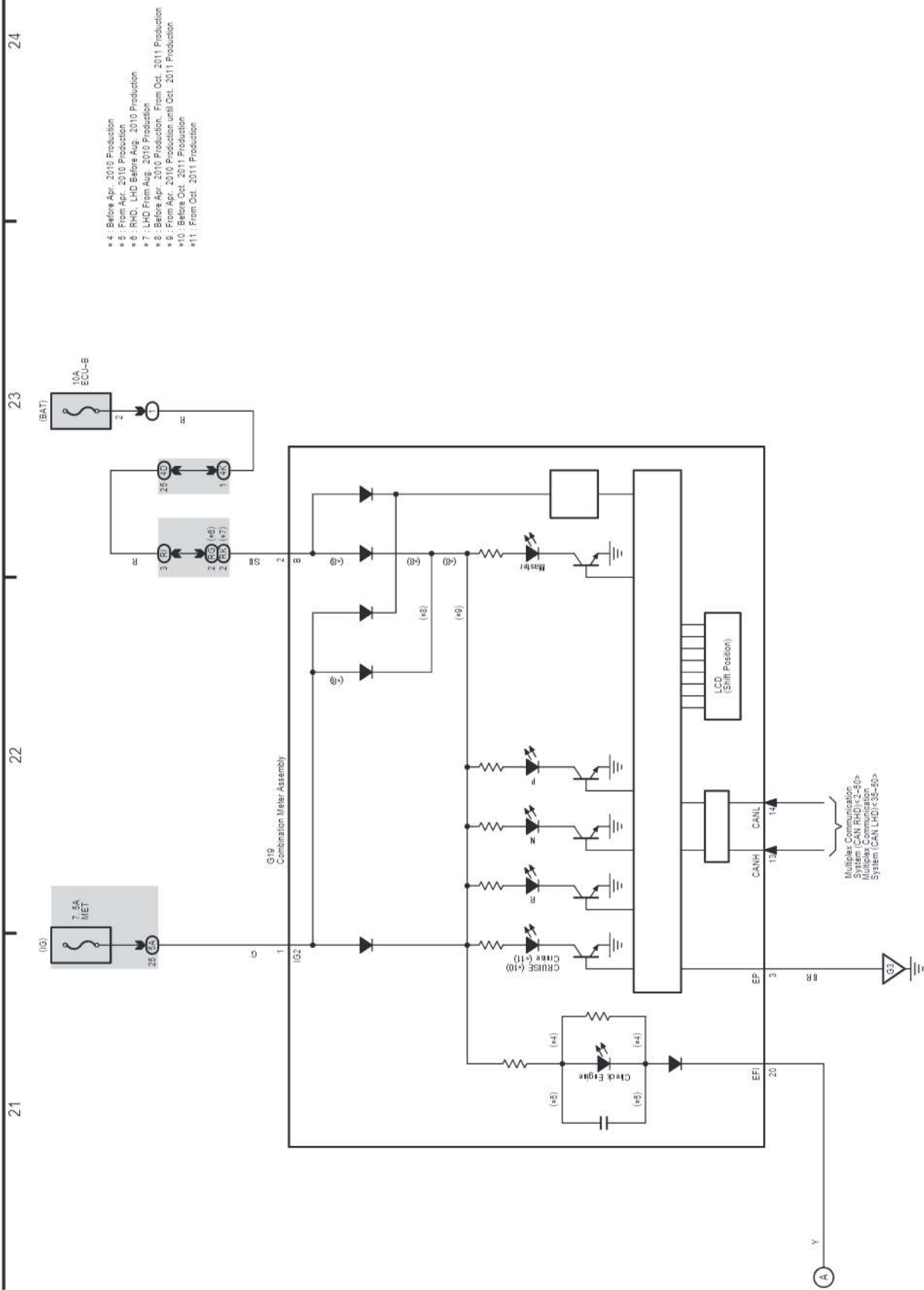
ECT and A/T Indicator (2GR-FE)



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

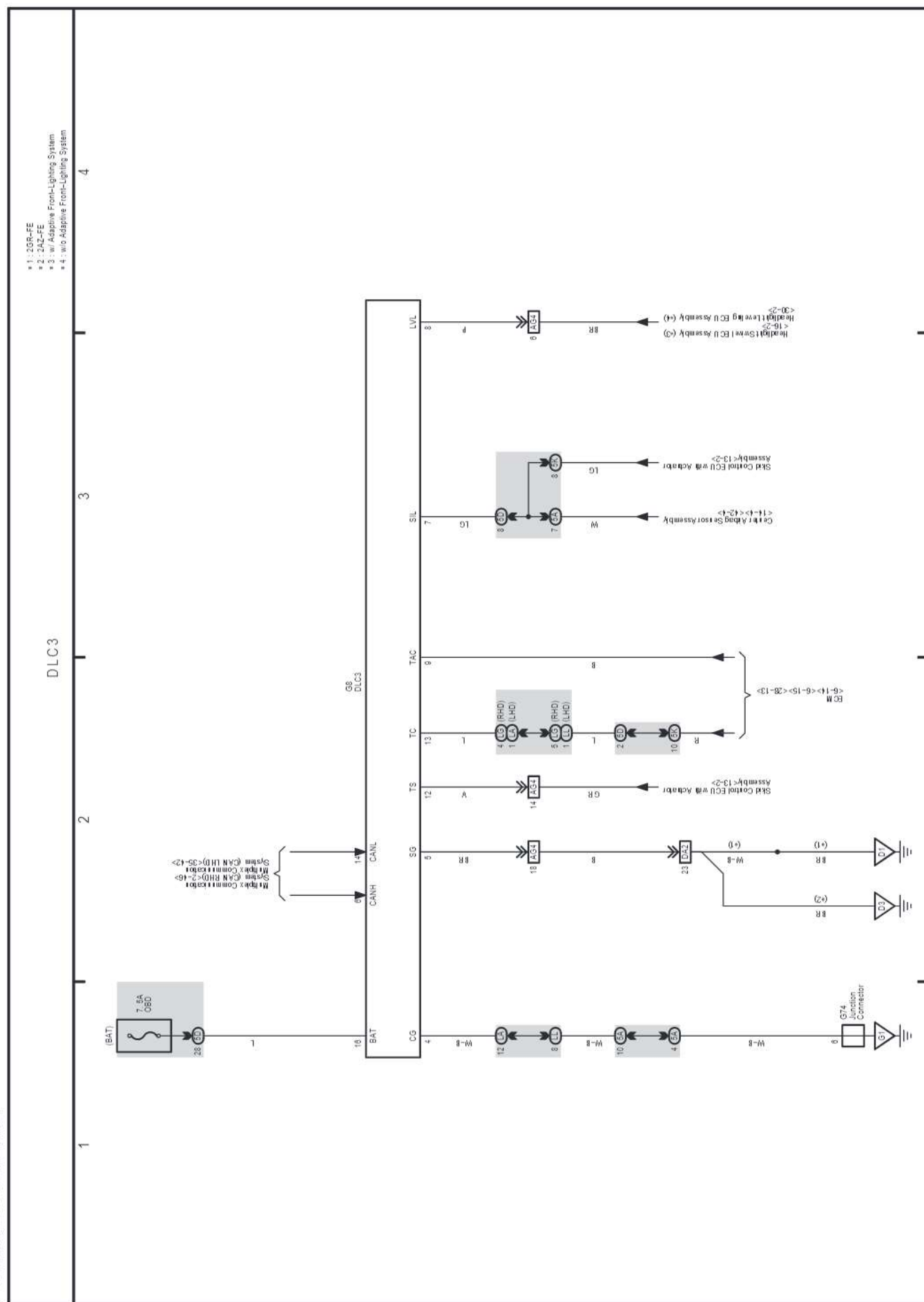


ECT and A/T Indicator (2GR-FE)

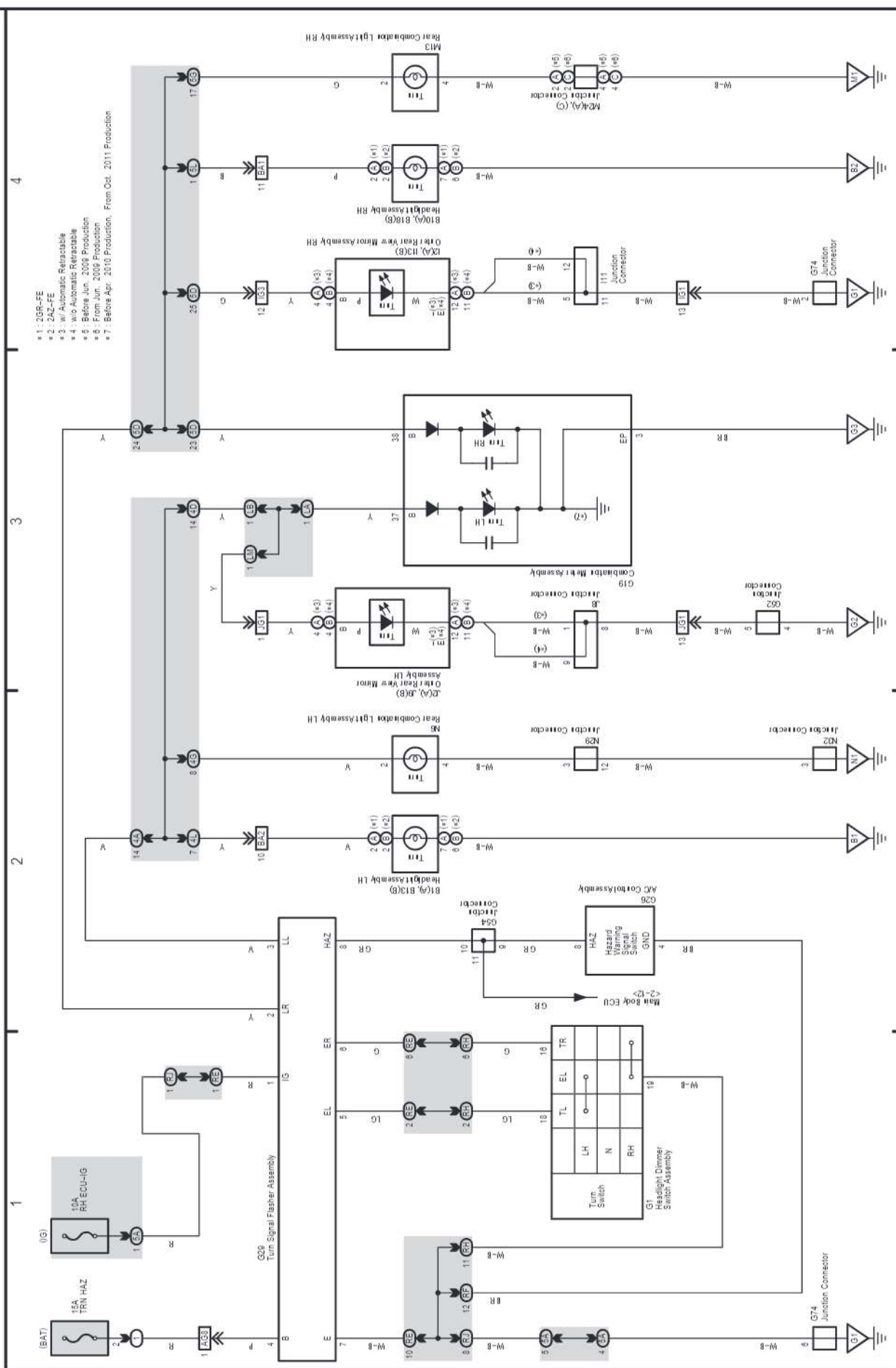


M OVERALL ELECTRICAL WIRING DIAGRAM

7 ALPHARD / VELLFIRE



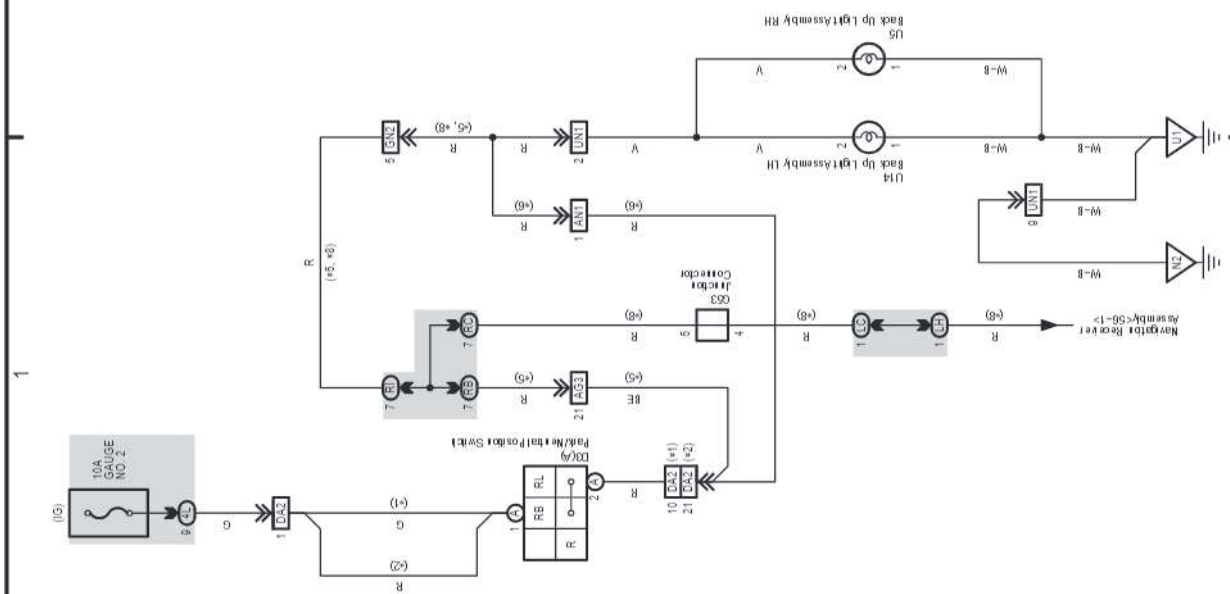
Turn Signal and Hazard Warning Light (RHD)



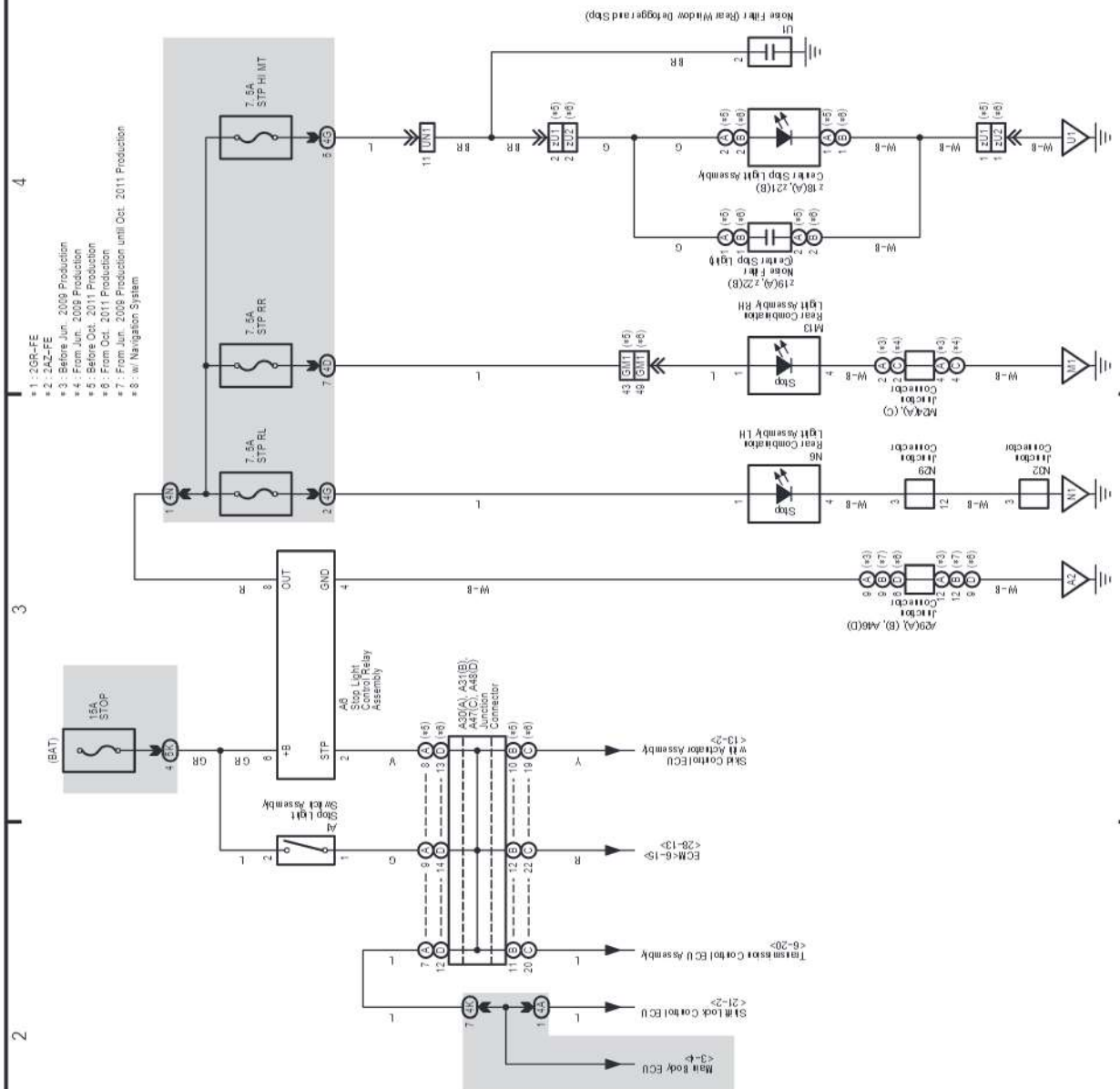
M OVERALL ELECTRICAL WIRING DIAGRAM

9 ALPHARD / VELLFIRE

Back-Up Light (RHD)

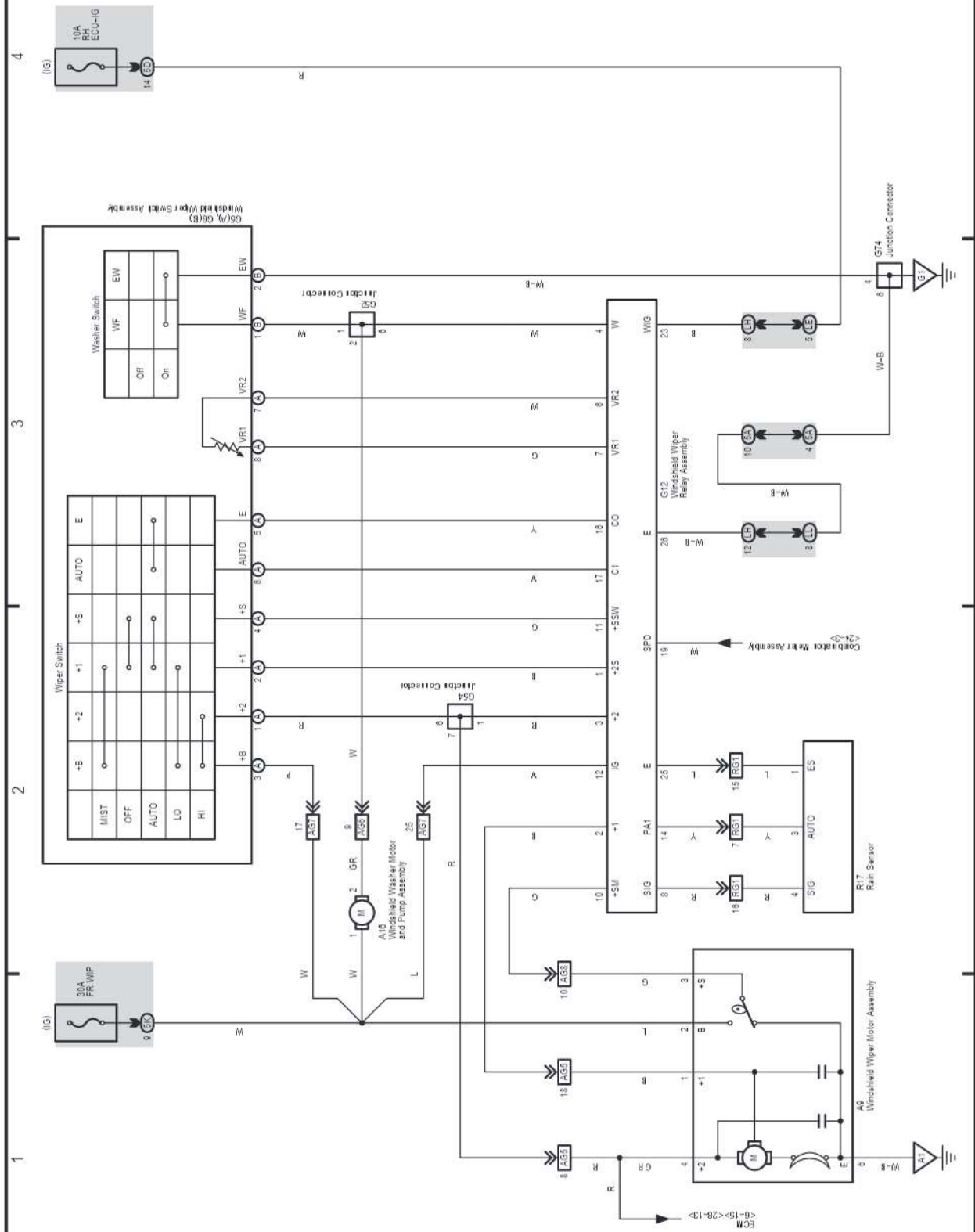


Stop Light (RHD)



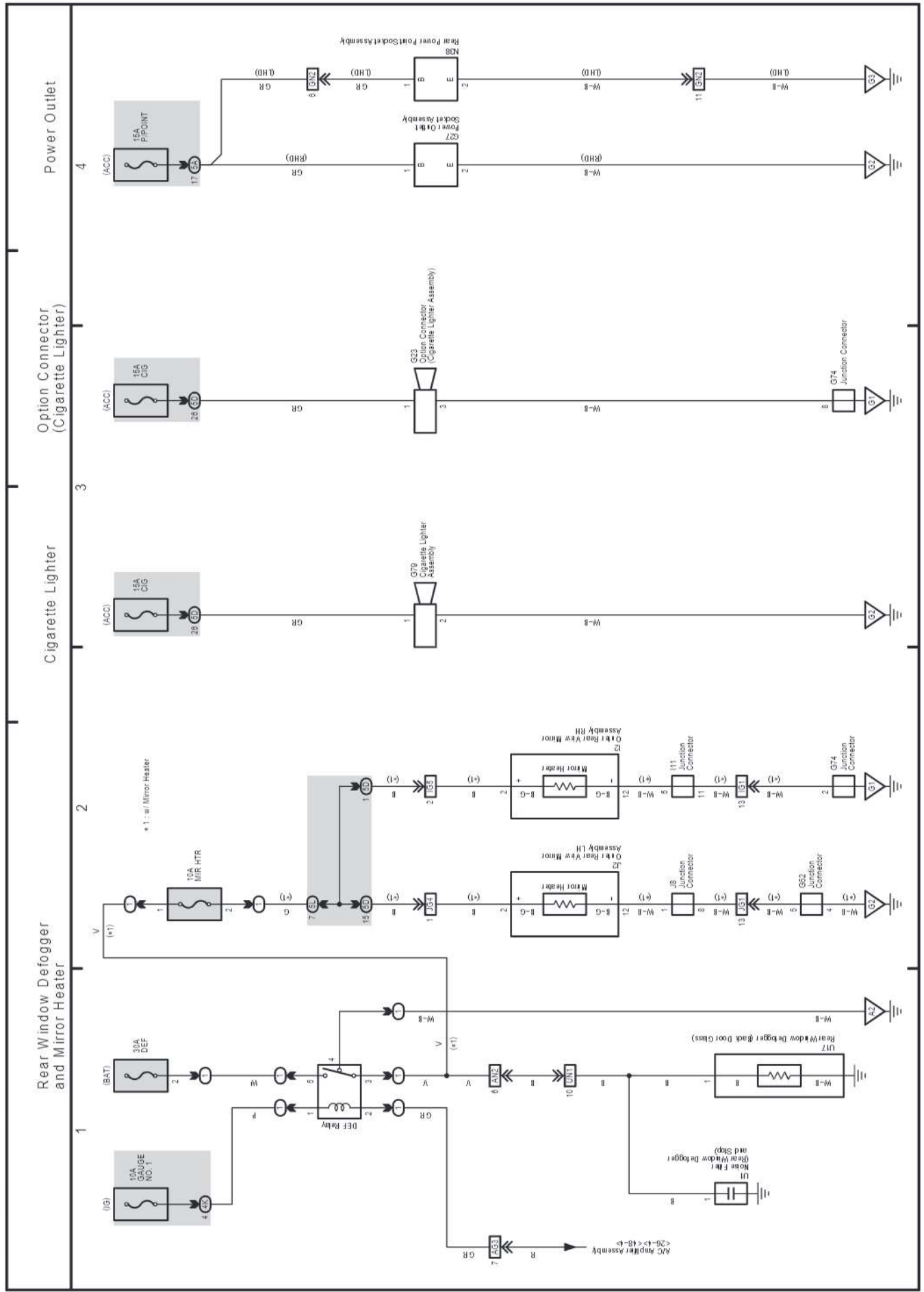
- 1 : 2GR-FE
2 : 2AZ-FE
3 : Before Jun. 2009 Production
4 : From Jun. 2009 Production
5 : Before Oct. 2011 Production
6 : From Oct. 2011 Production
7 : From Jun. 2009 Production until Oct. 2011 Production
8 : w/ Navigation System

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

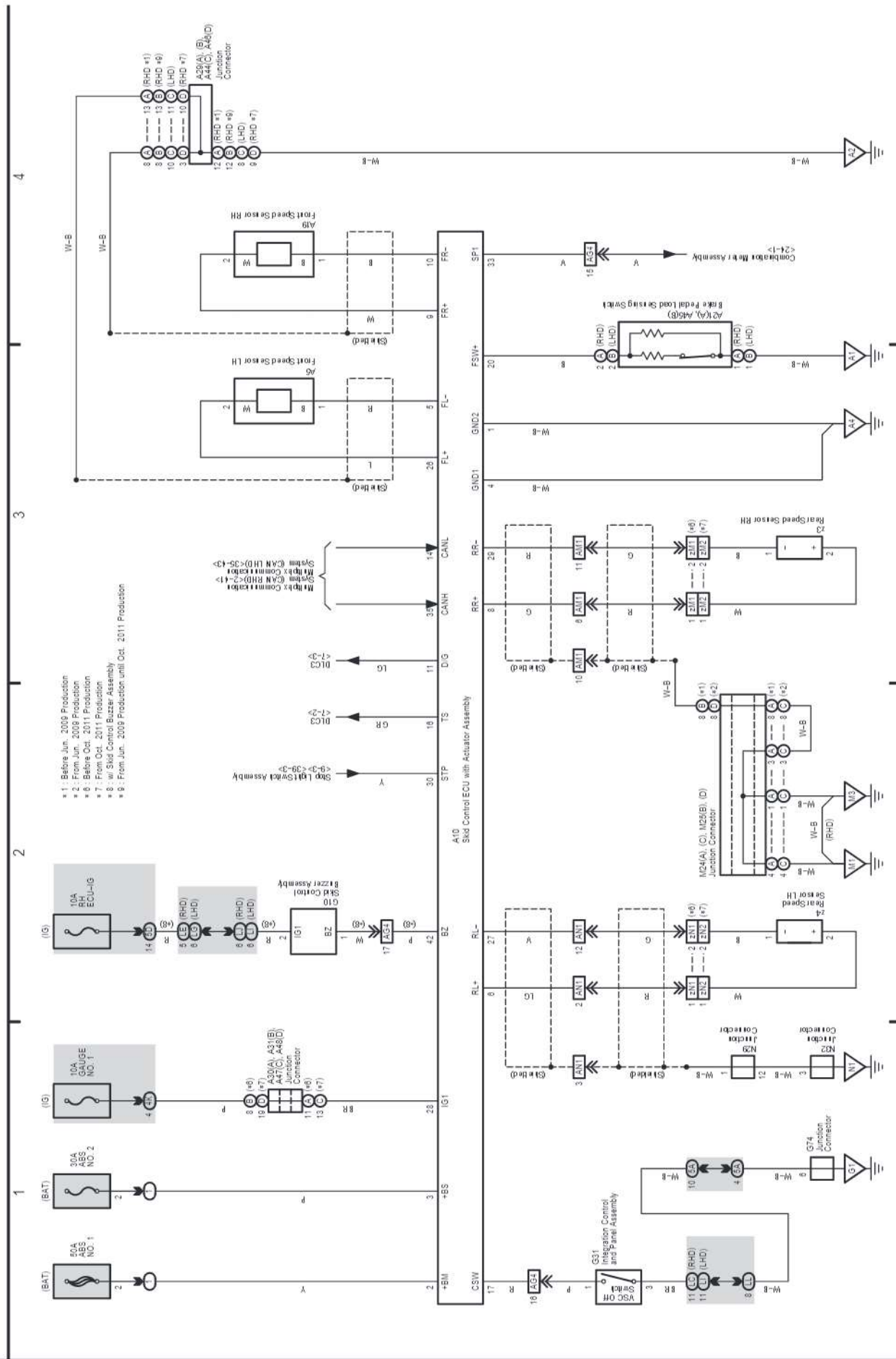


ALPHARD / VELLFIRE (EM08Z5E)

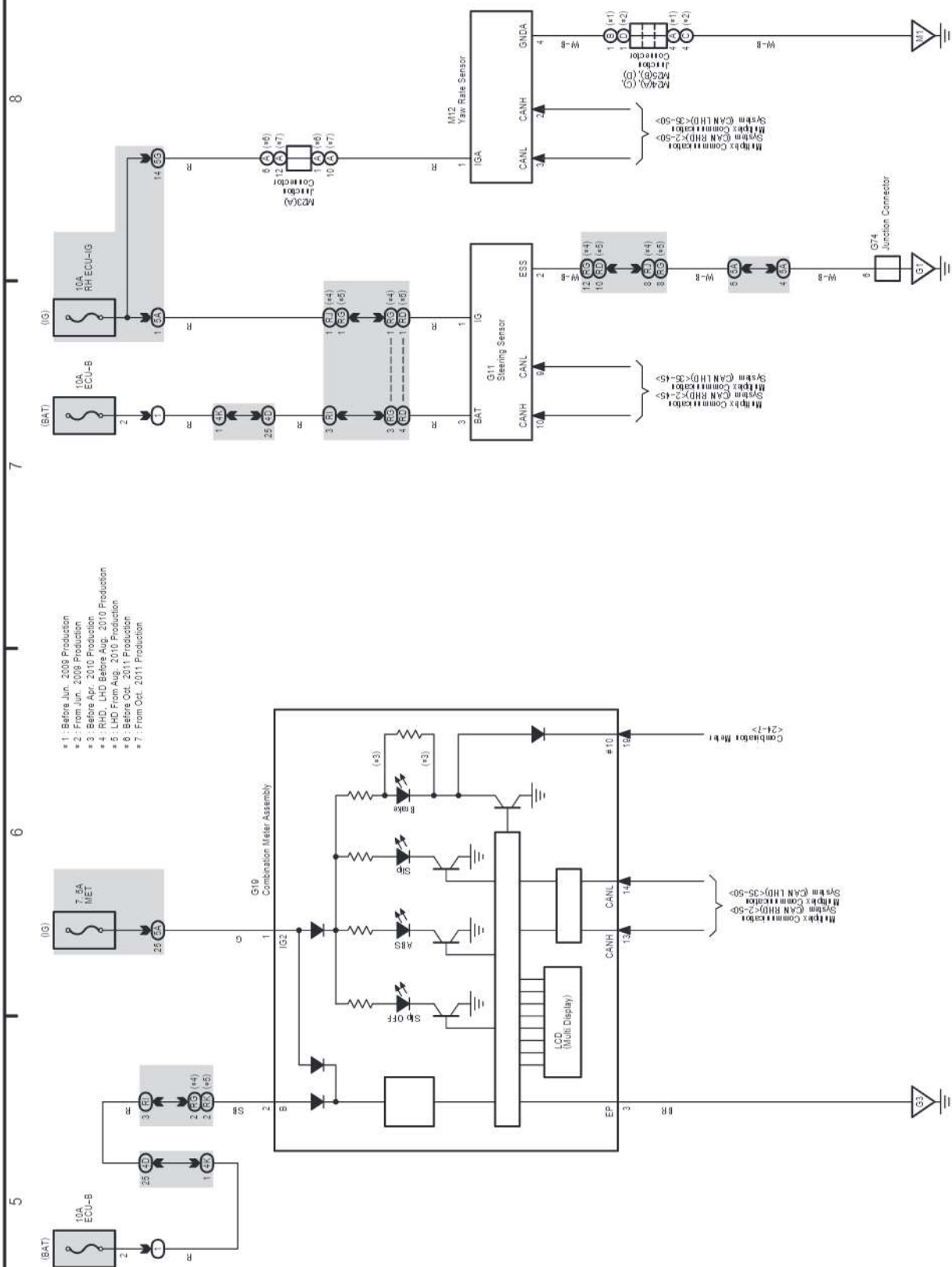




ABS, TRC and VSC

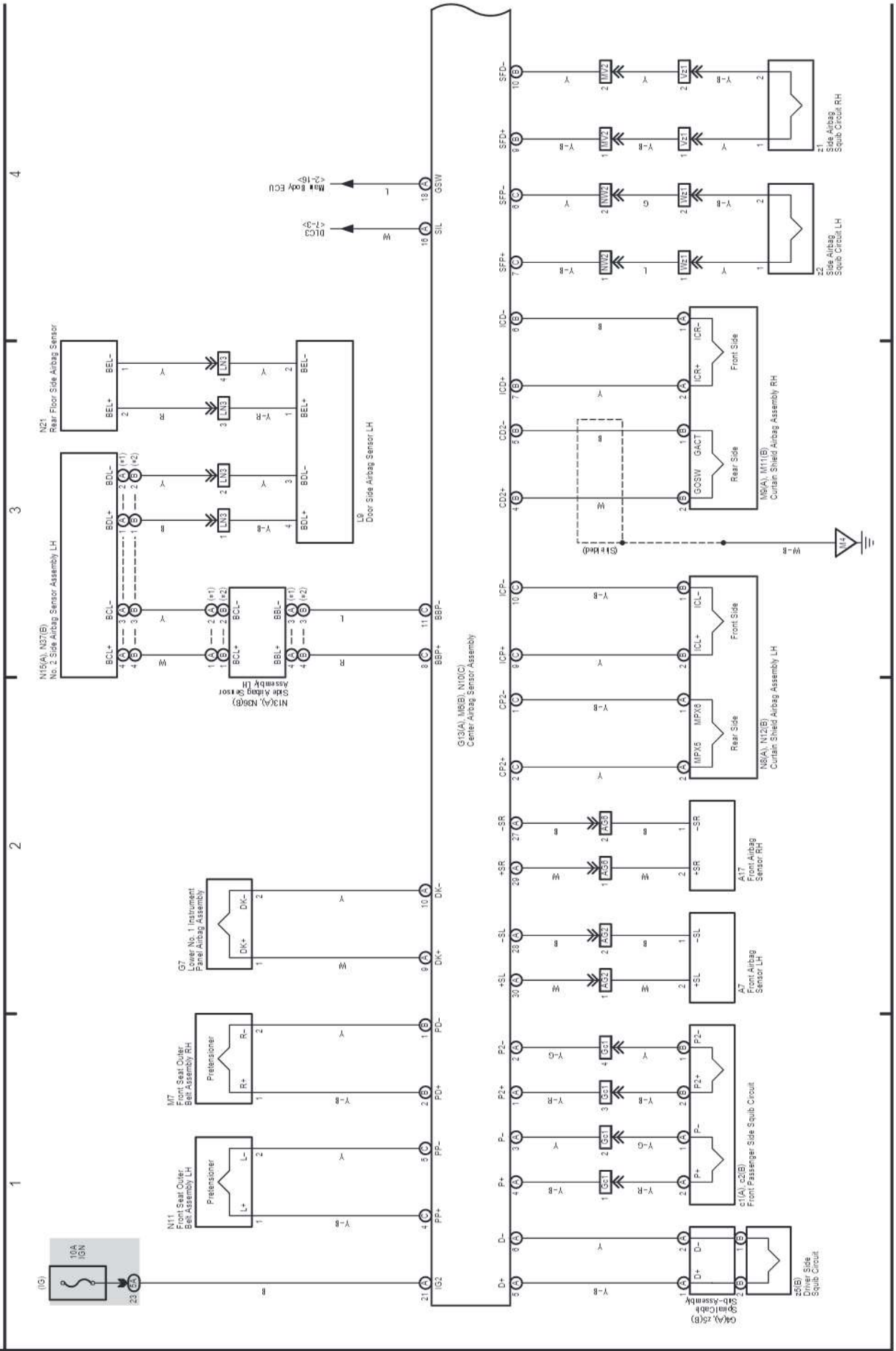


ABS, TRC and VSC



* 1: Before Oct. 2011 Production
* 2: From Oct. 2011 Production

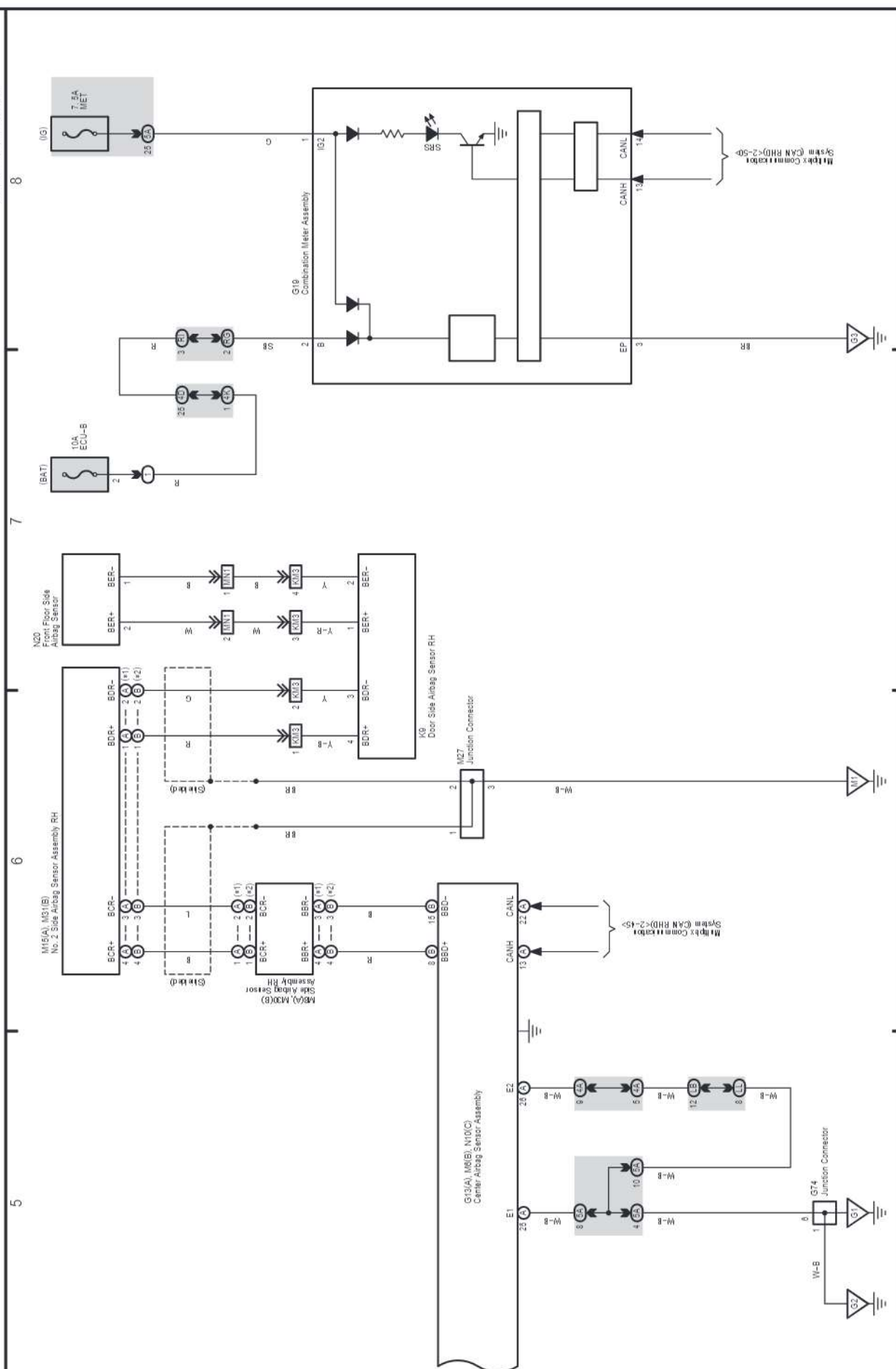
SRS (RHD)



14 ALPHARD / VELLFIRE (Cont' d)

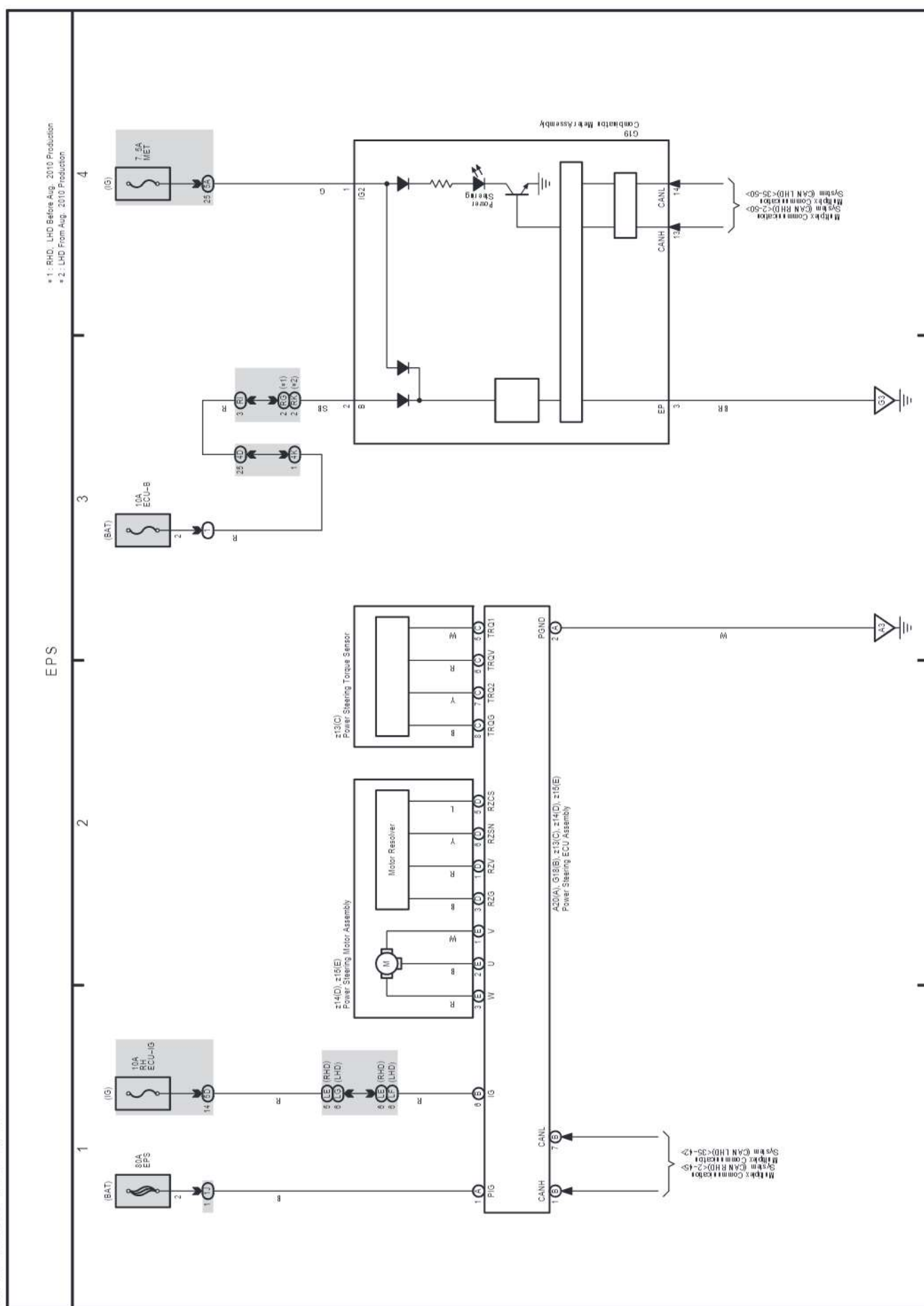
SRS (RHD)

- * 1: Before Oct. 2011 Production
- * 2: From Oct. 2011 Production

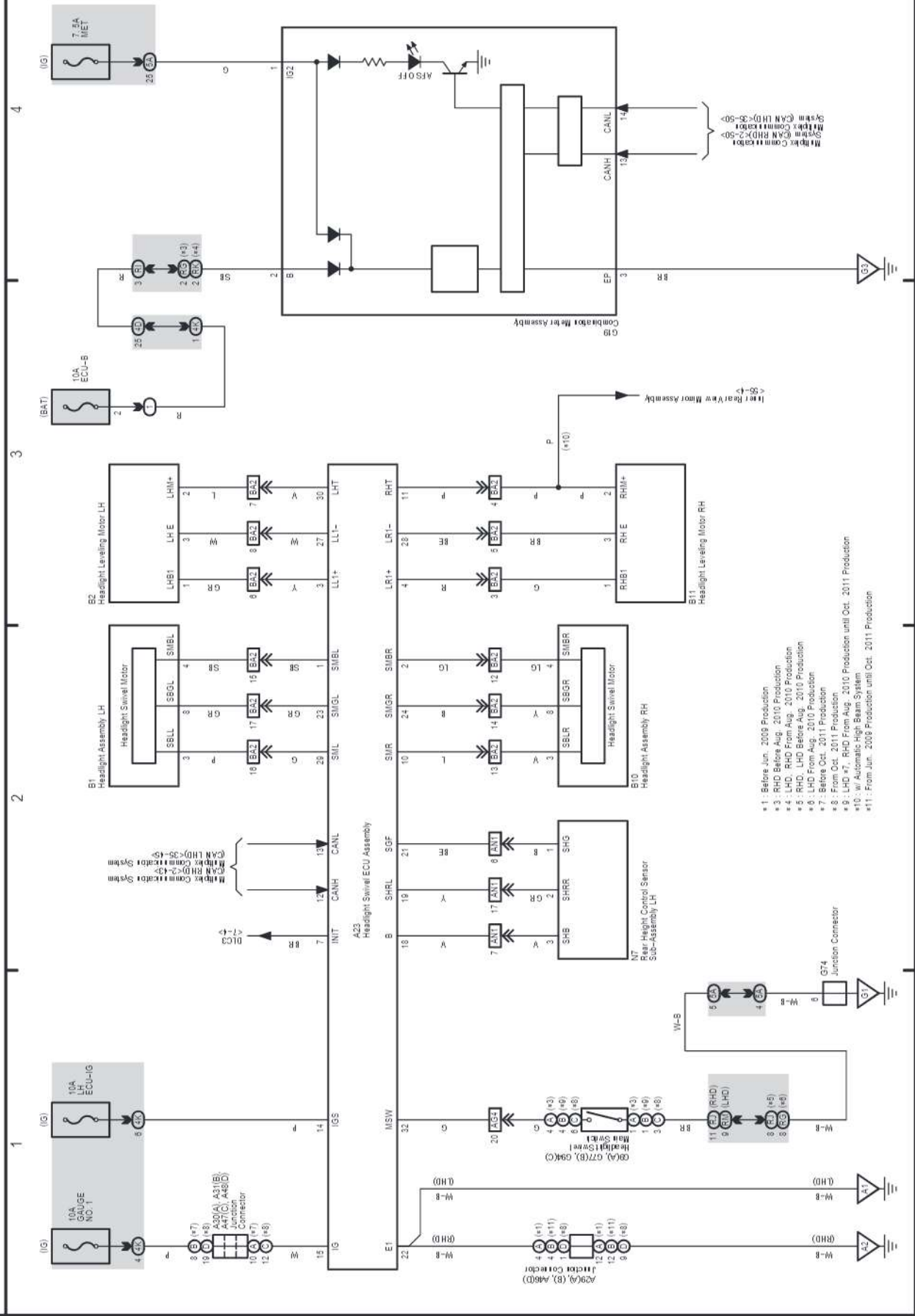


M OVERALL ELECTRICAL WIRING DIAGRAM

15 ALPHARD / VELLFIRE



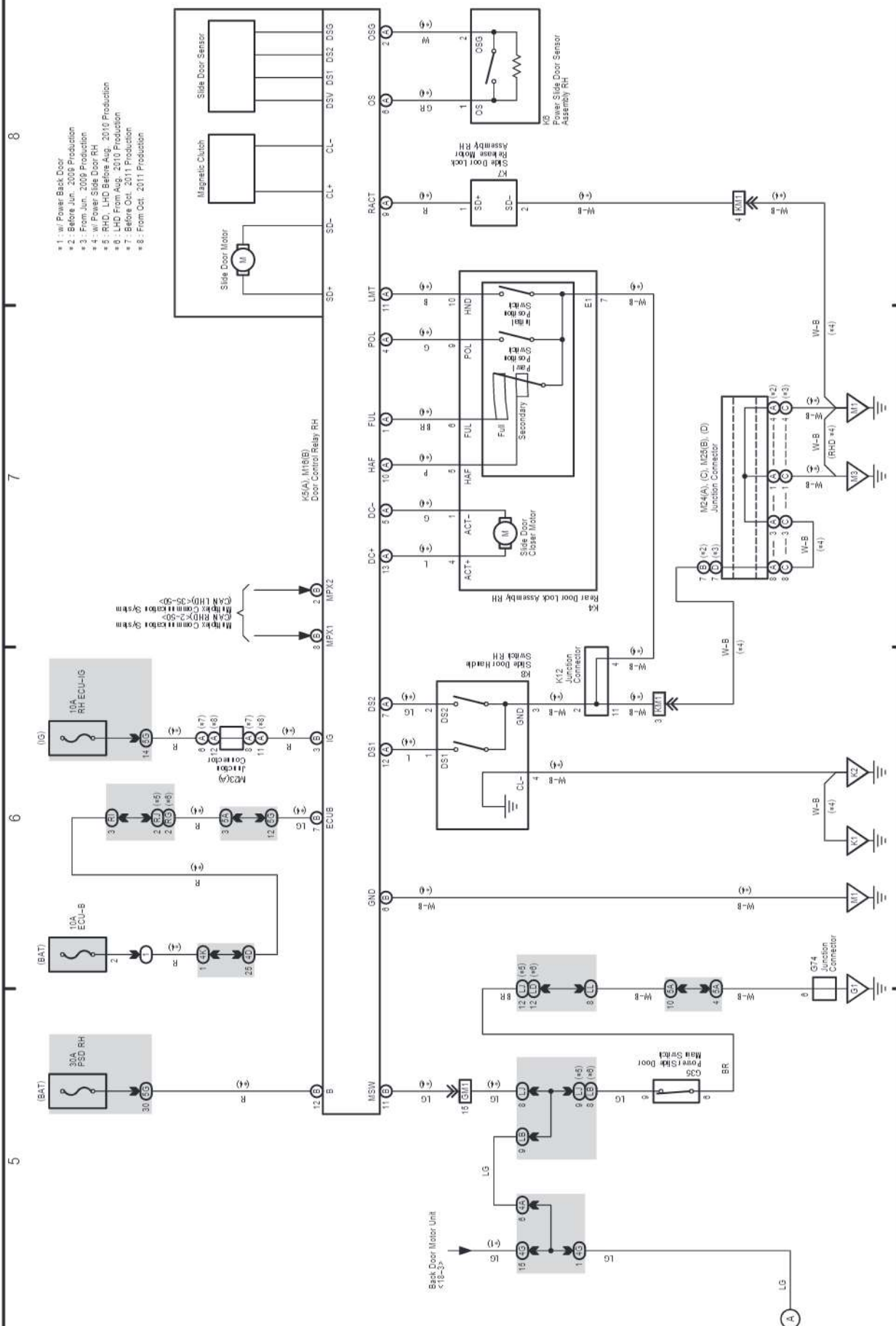
Adaptive Front-Lighting System



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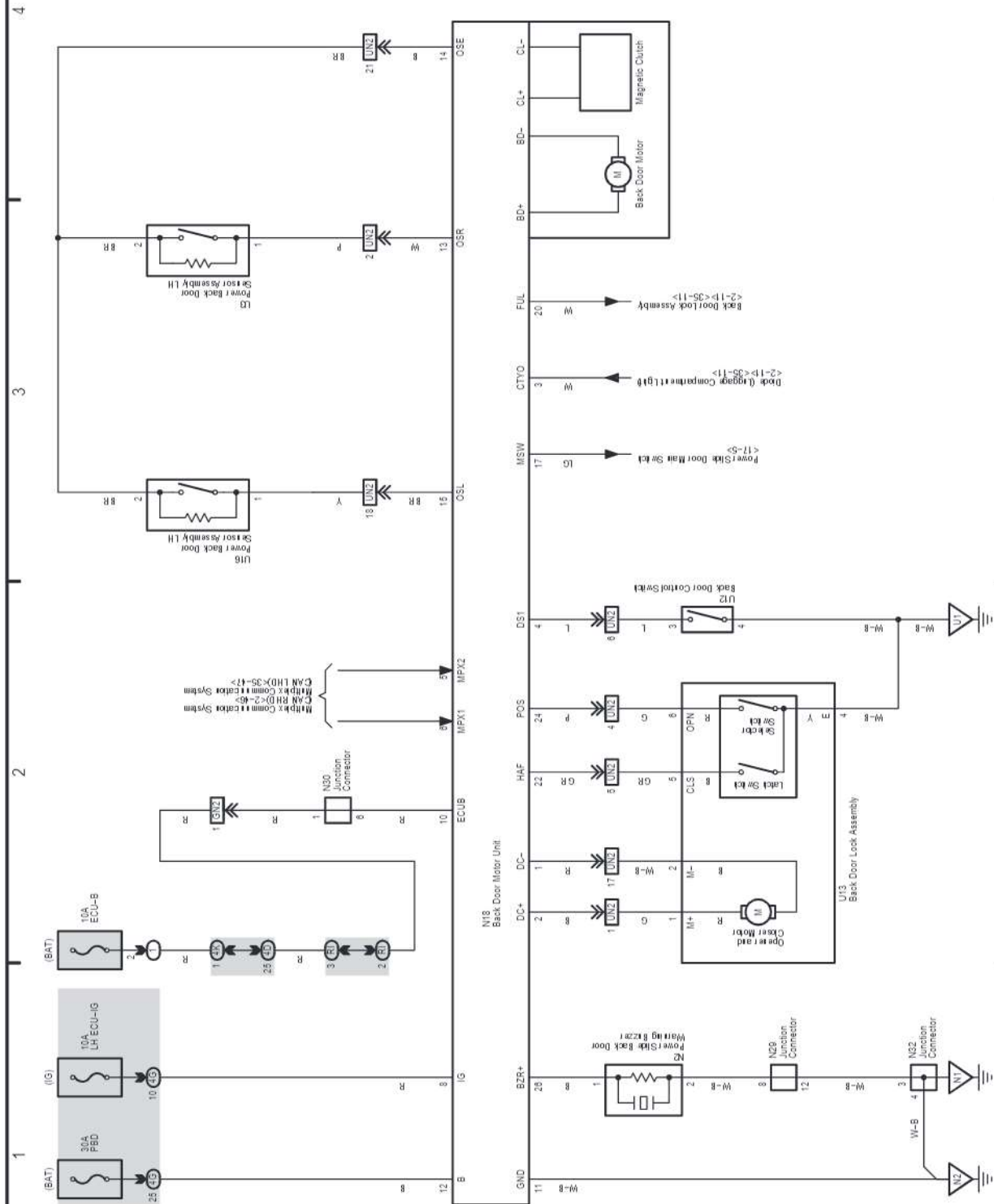


Power Slide Door and Slide Door Closer (w/ Power Slide Door)



M OVERALL ELECTRICAL WIRING DIAGRAM

Power Back Door and Back Door Closer (w/ Power Back Door)



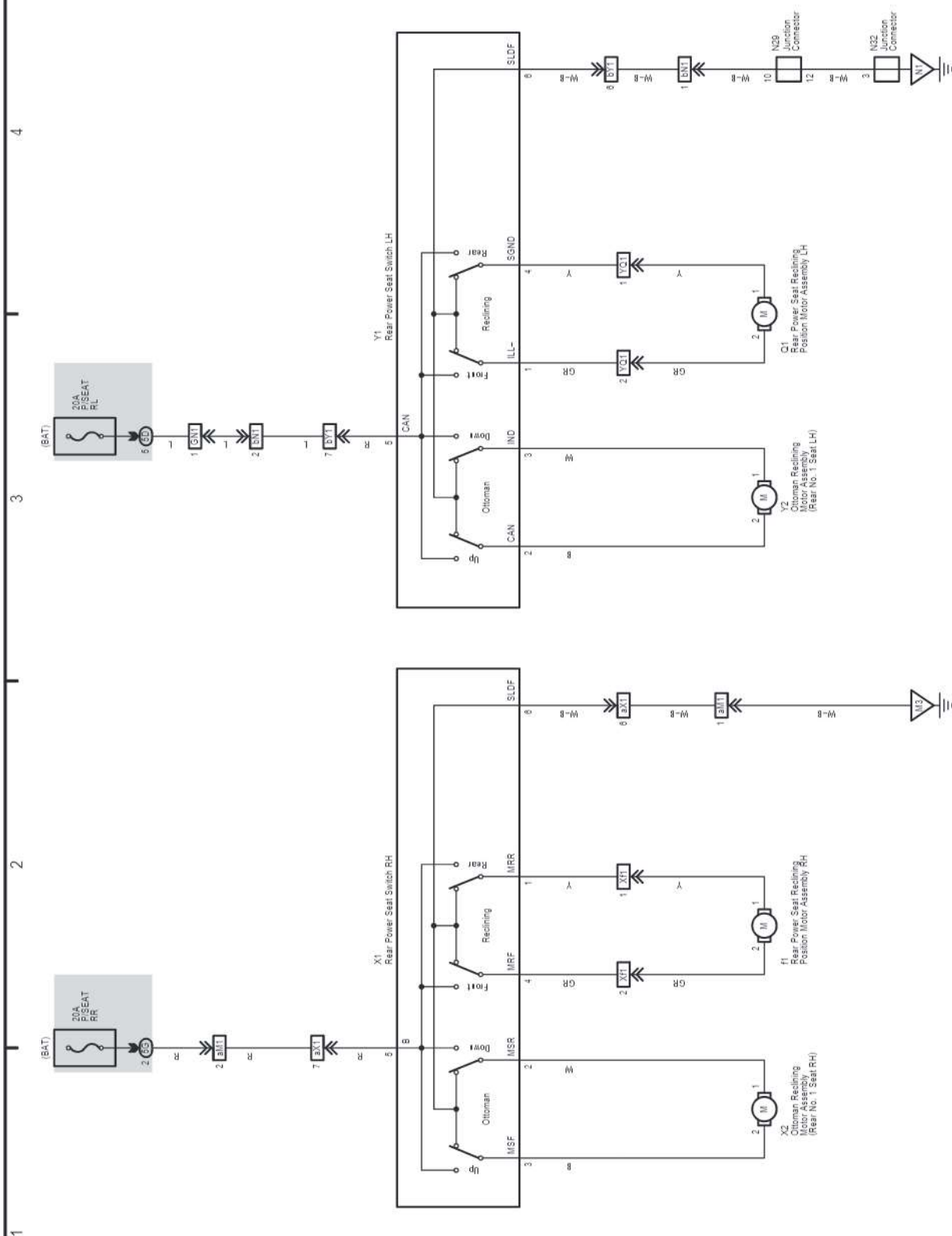
Power Seat (RHD Front Passenger's Seat)
(Before Oct. 2011 Production)

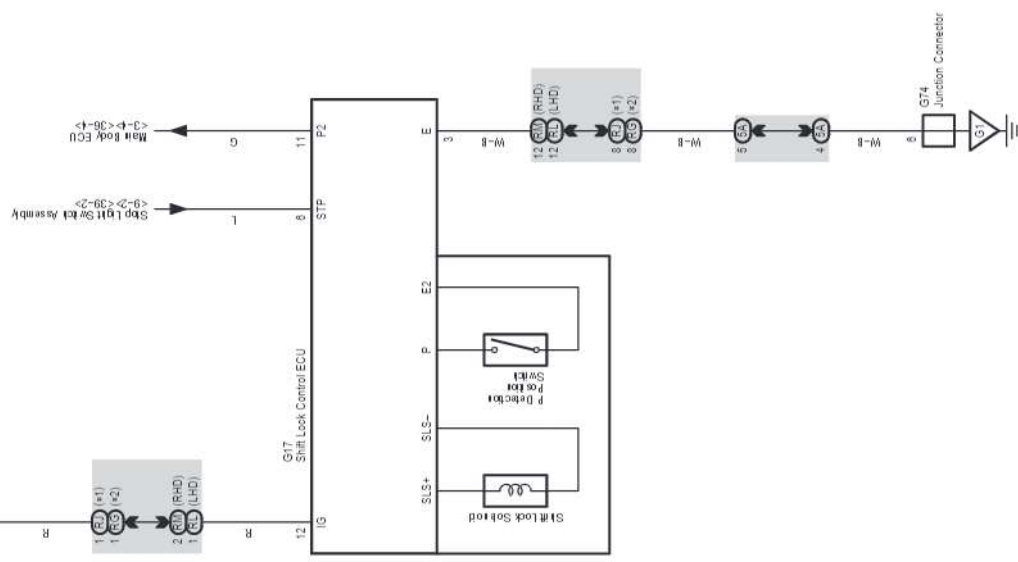


M OVERALL ELECTRICAL WIRING DIAGRAM

20 ALPHARD / VELLFIRE

Power Seat (Rear No. 1 Seat)



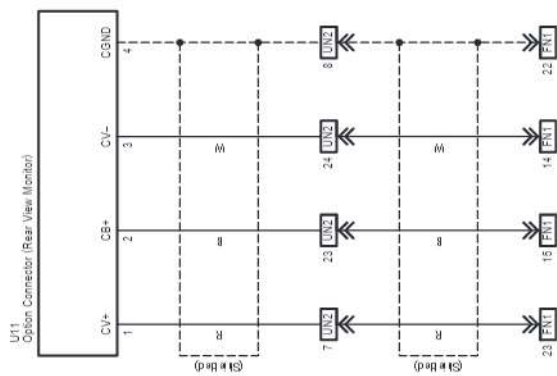


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Parking Assist (TOYOTA Parking Assist-Sensor)



Option Connector (Rear View Monitor)



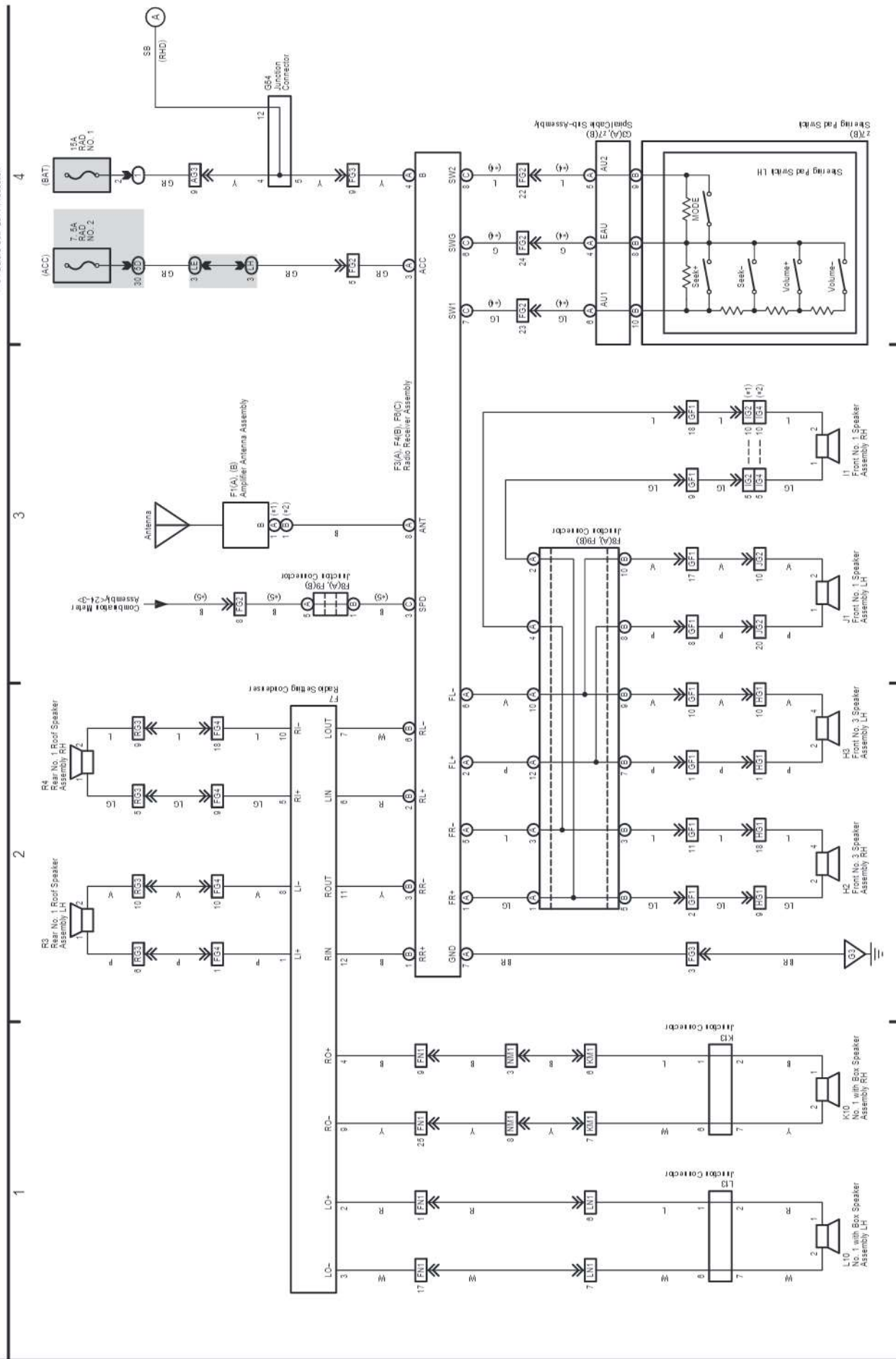
M OVERALL ELECTRICAL WIRING DIAGRAM

23 ALPHARD / VELLFIRE

(Cont. next page)

- * 1 : Before Jun. 2009 Production
- * 2 : From Jun. 2009 Production
- * 3 : w/ Steering Pad Switch
- * 4 : Before Oct. 2011 Production
- * 5 : After Oct. 2011 Production

Audio System (RHD w/o Navigation System)



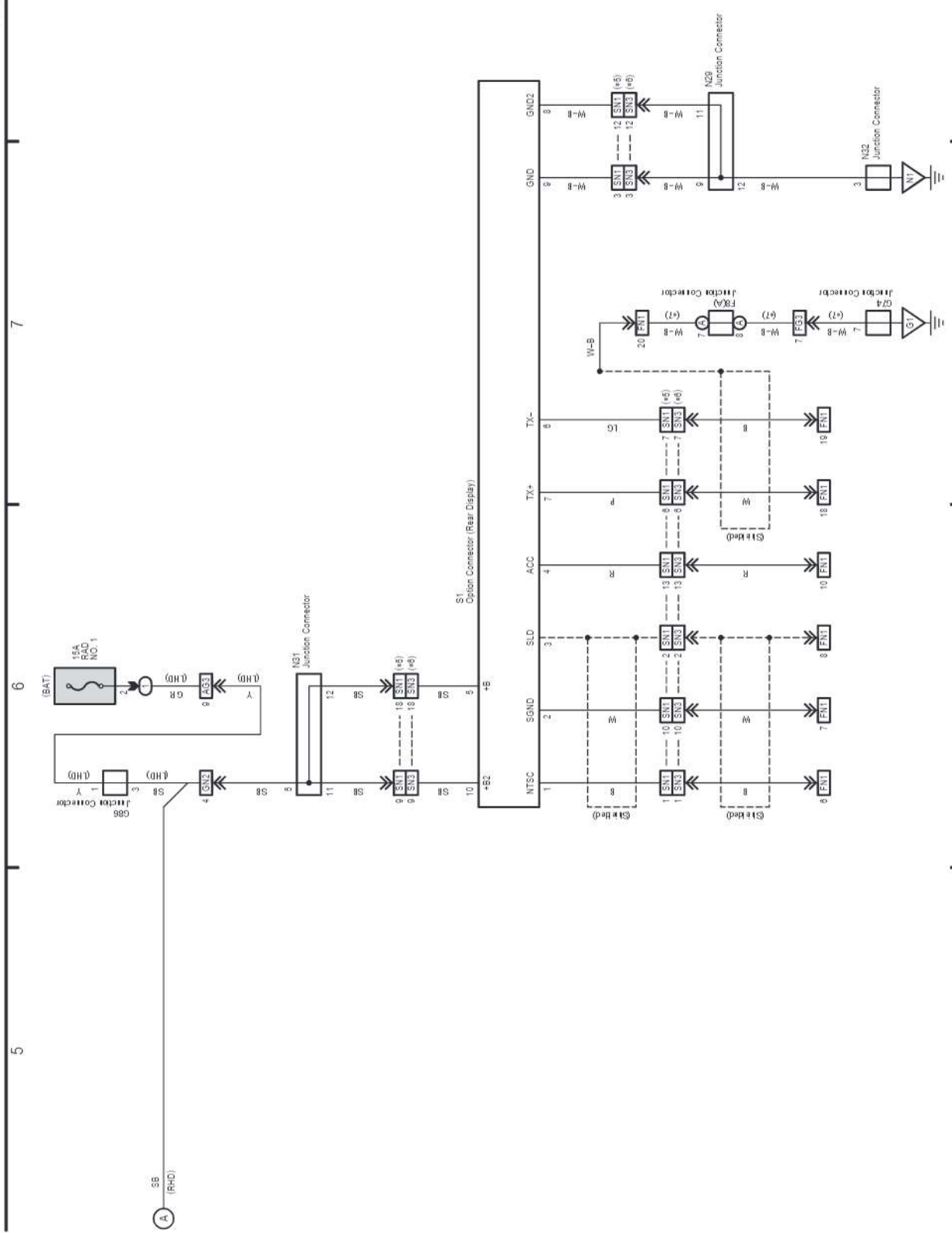
* 5: Before Oct. 2011 Production
 * 6: From Oct. 2011 Production
 * 7: Except RHD w/ Navigation System

Option Connector (Rear Display)

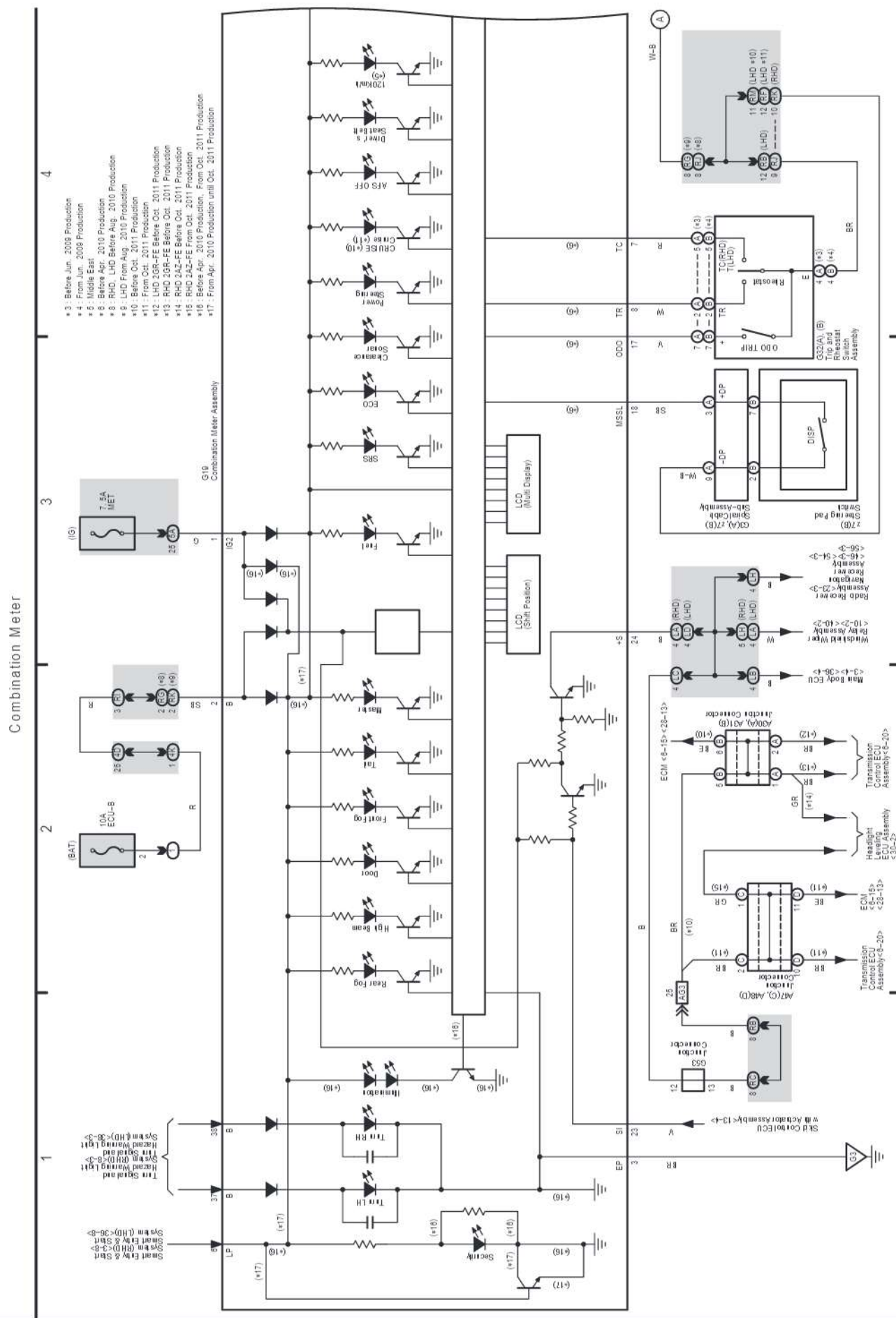
8

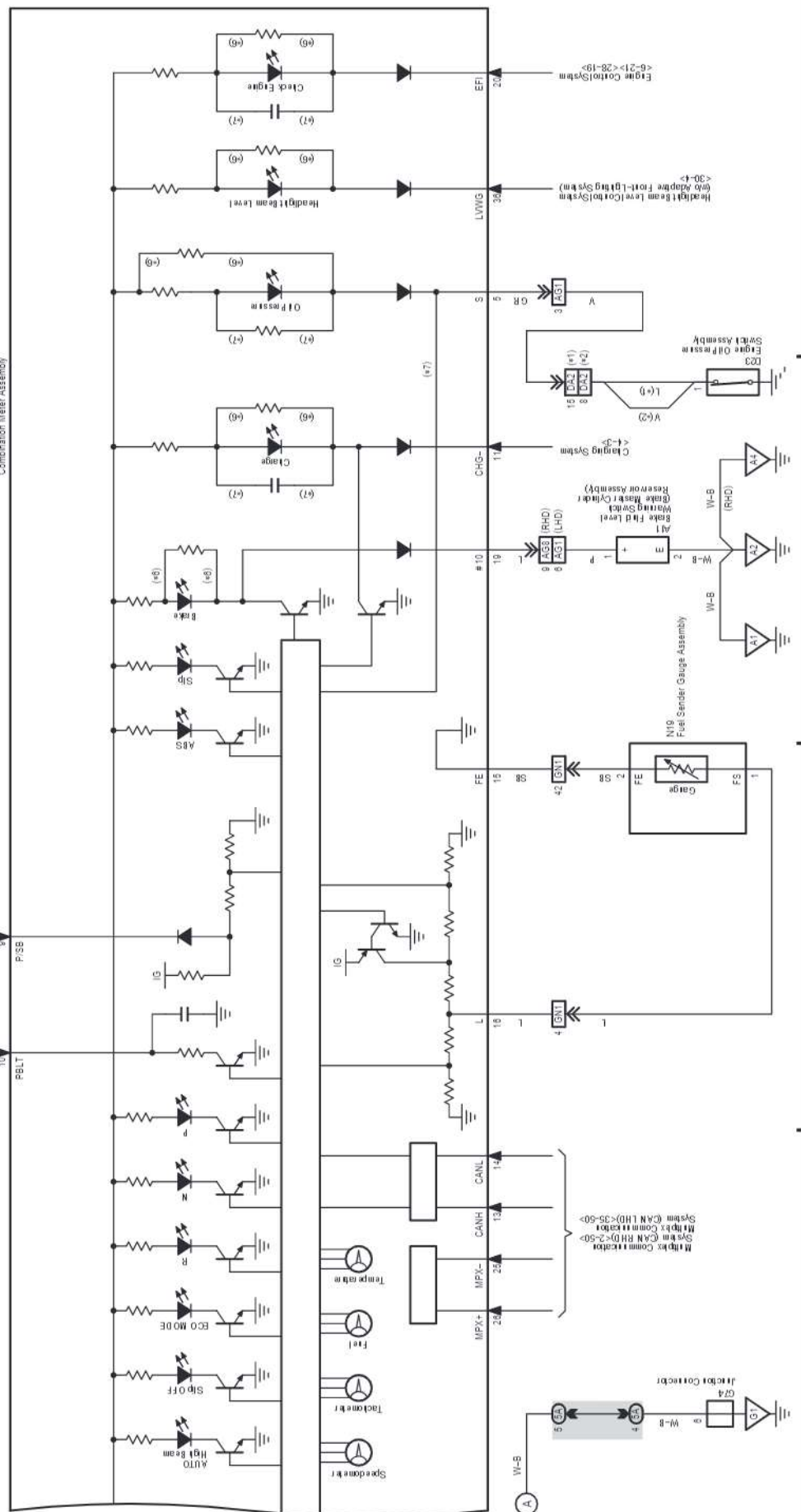
7

5



M OVERALL ELECTRICAL WIRING DIAGRAM



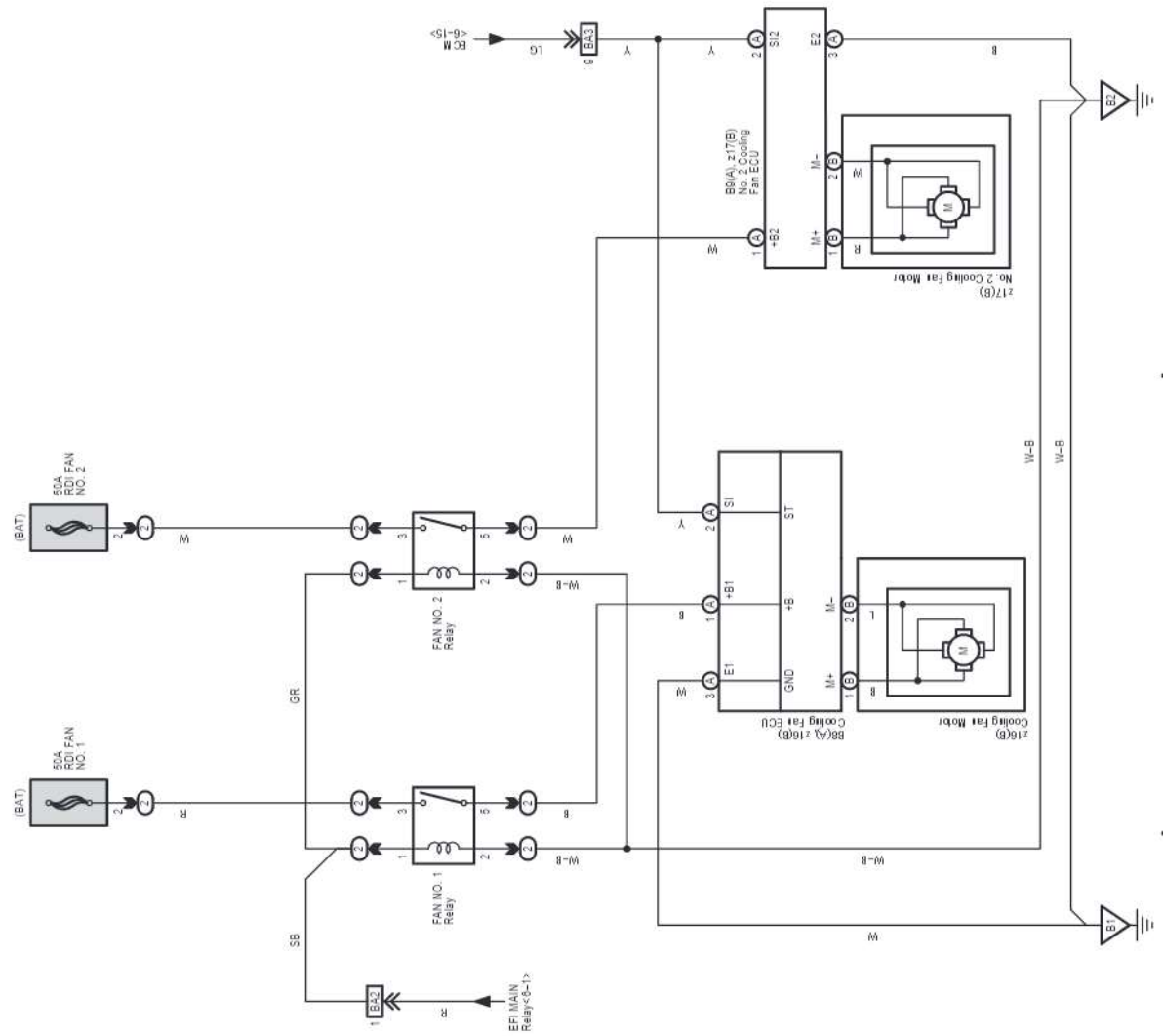
319
Combination Meter Assembly

M OVERALL ELECTRICAL WIRING DIAGRAM

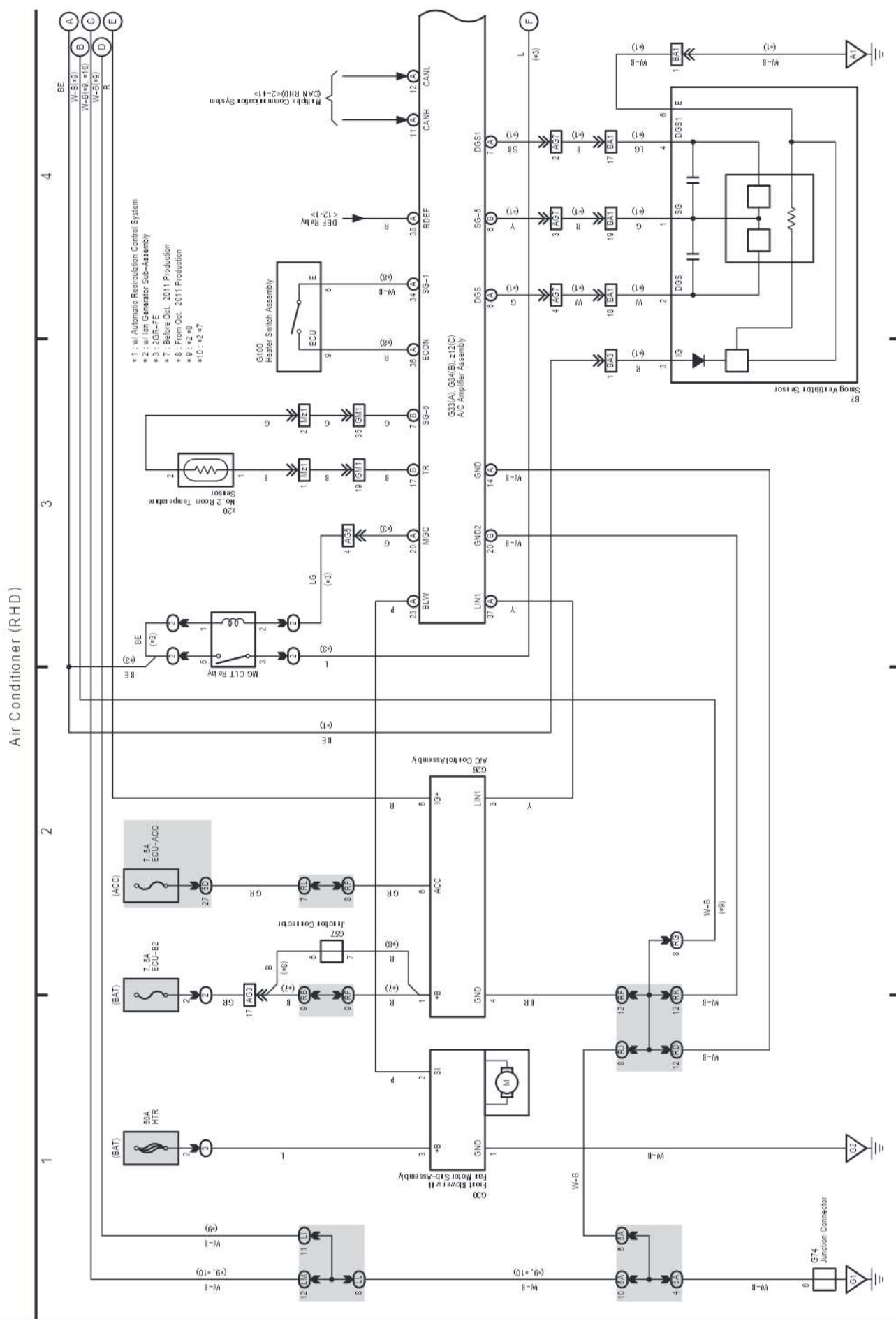
25 ALPHARD / VELLFIRE

Cooling Fan (2GR-FE)

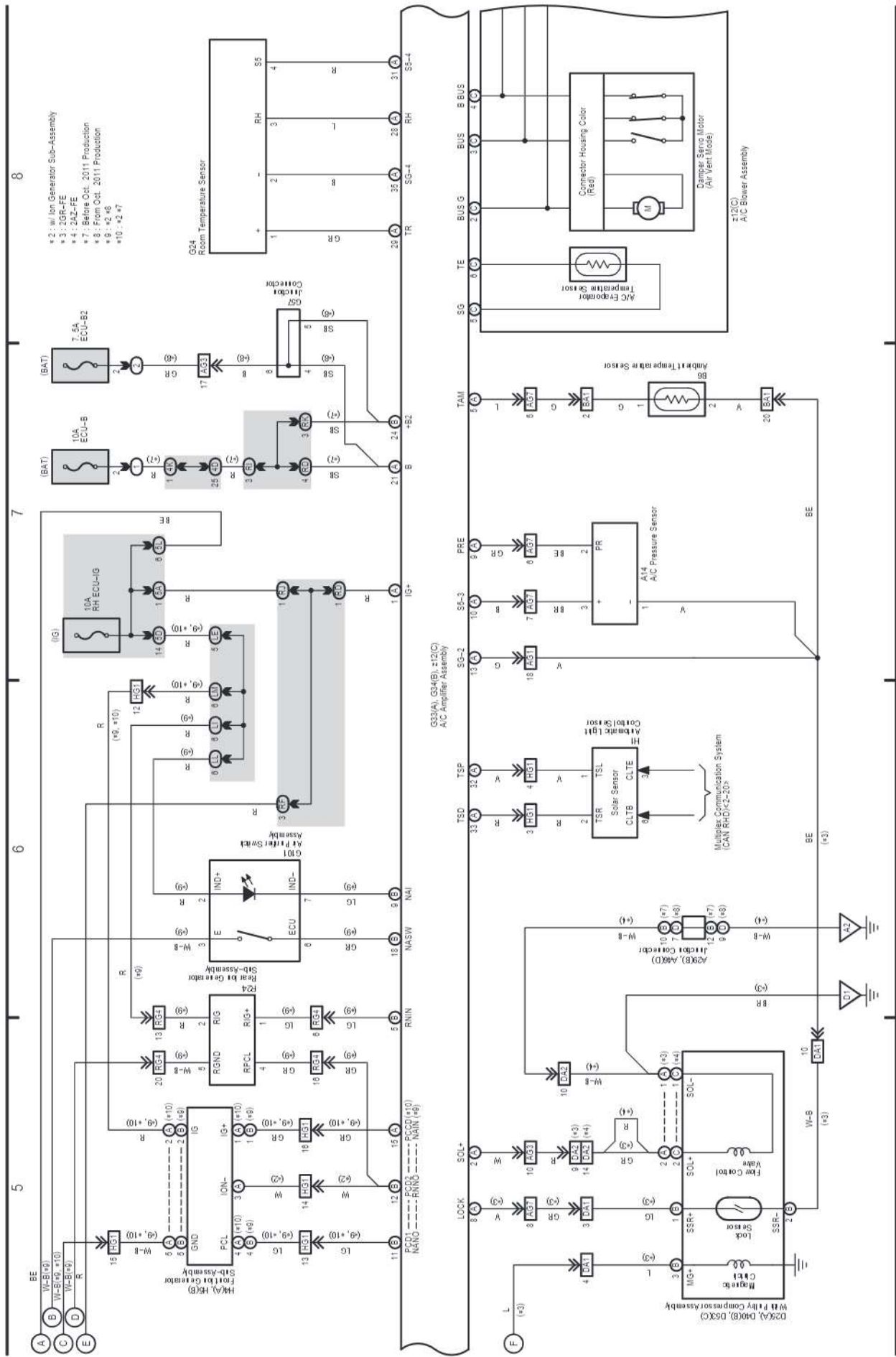
1 2 3 4



M OVERALL ELECTRICAL WIRING DIAGRAM

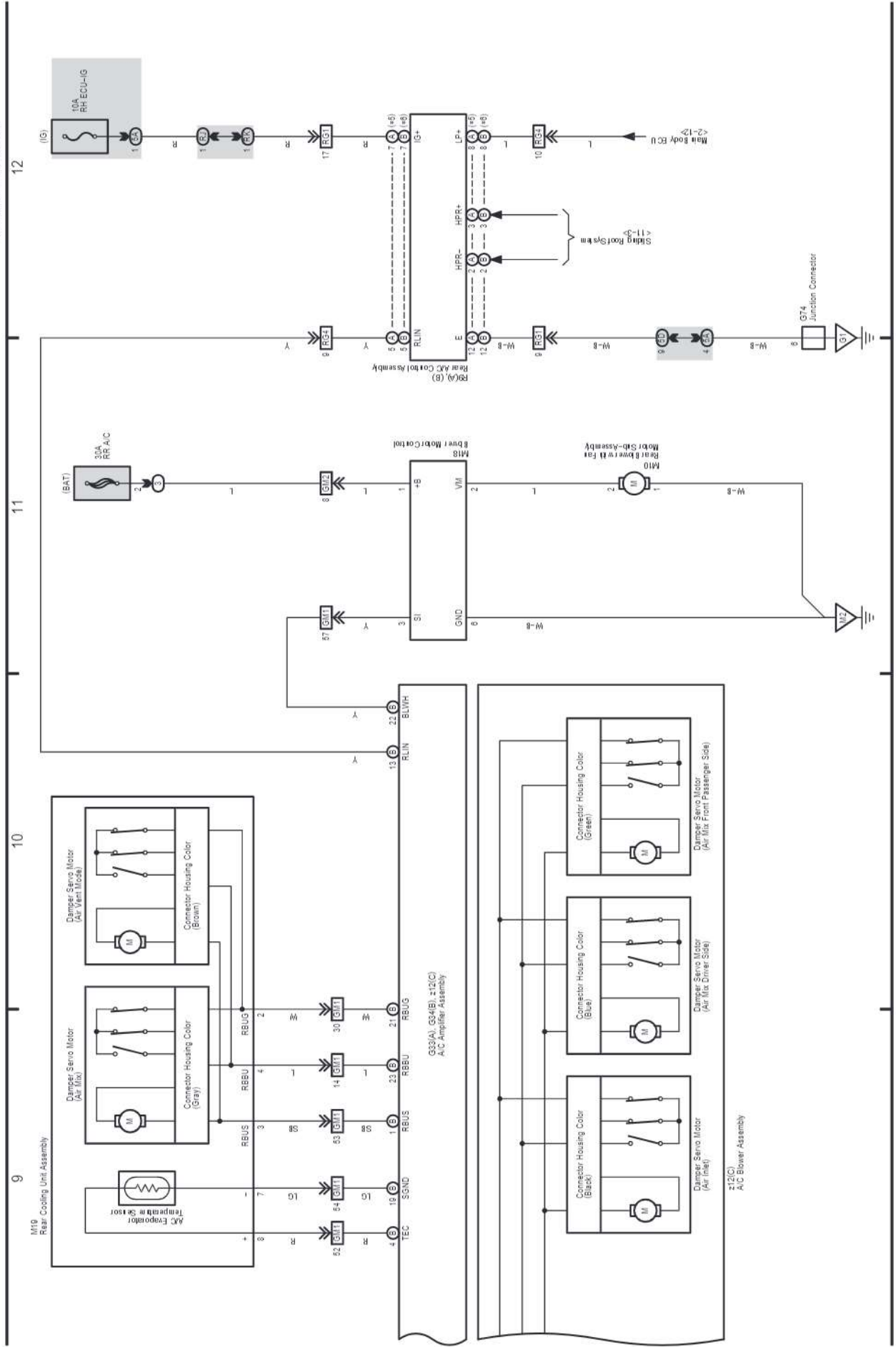


Air Conditioner (RHD)



* 5 : Before Jun. 2009 Production
* 6 : From Jun. 2009 Production

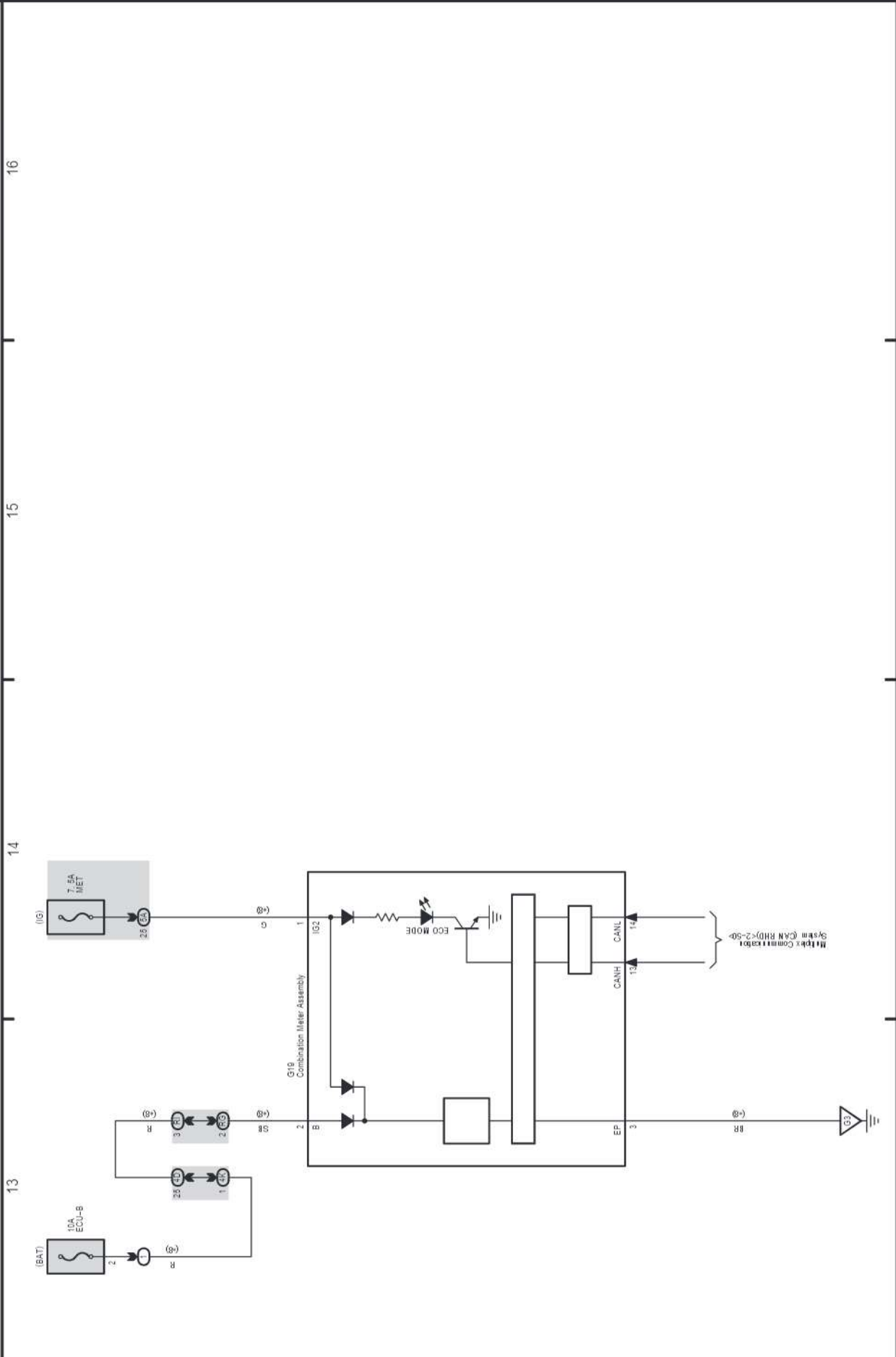
Air Conditioner (RHD)



26 ALPHARD / VELLFIRE (Cont' d)

Air Conditioner (RHD)

* 8 : From Oct. 2011 Production



M OVERALL ELECTRICAL WIRING DIAGRAM

27 ALPHARD / VELLFIRE

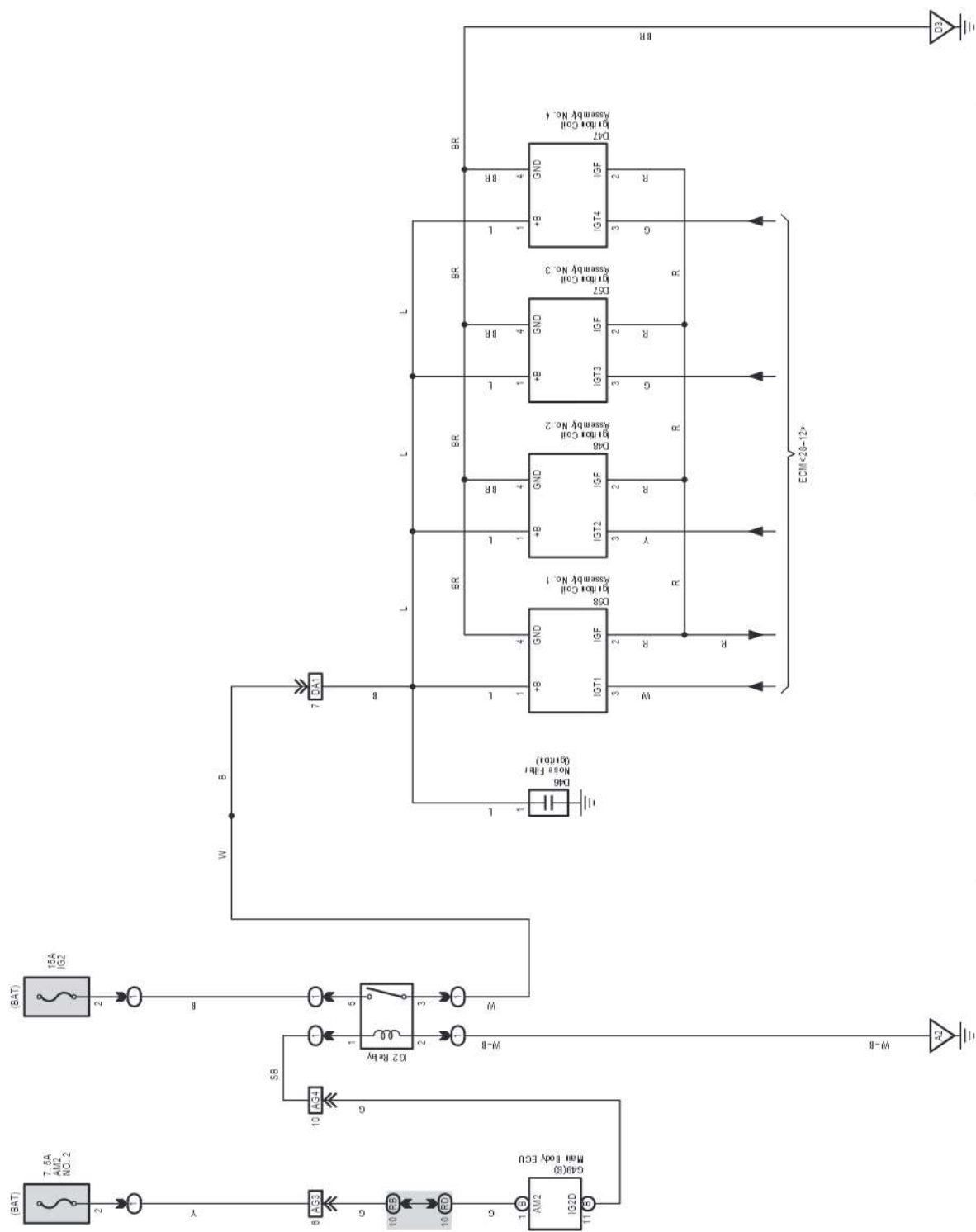
Ignition (2AZ-FE)

4

3

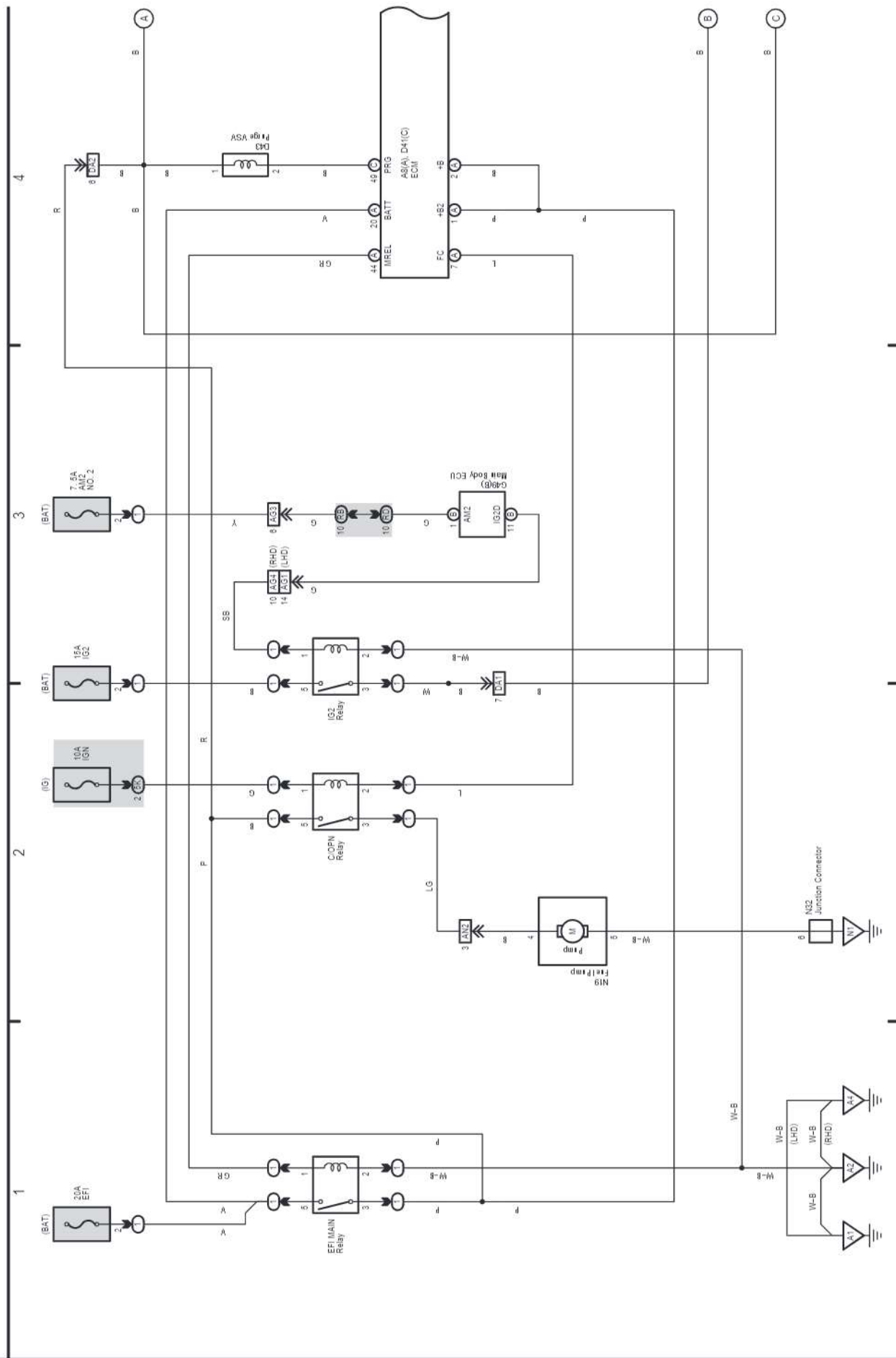
2

1



ALPHARD / VELLFIRE (EM08Z5E)

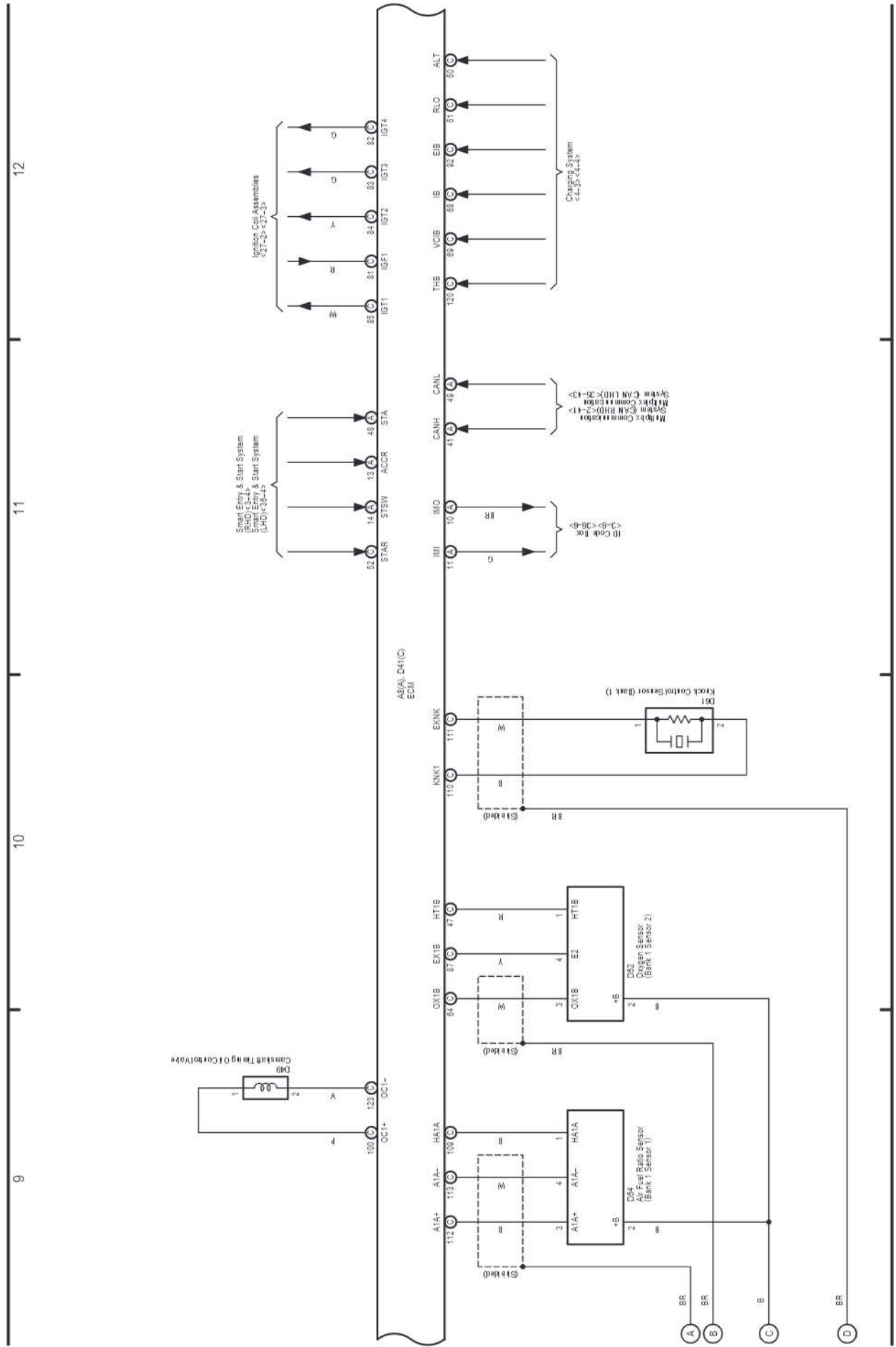
Engine Control (2AZ-FE)



5



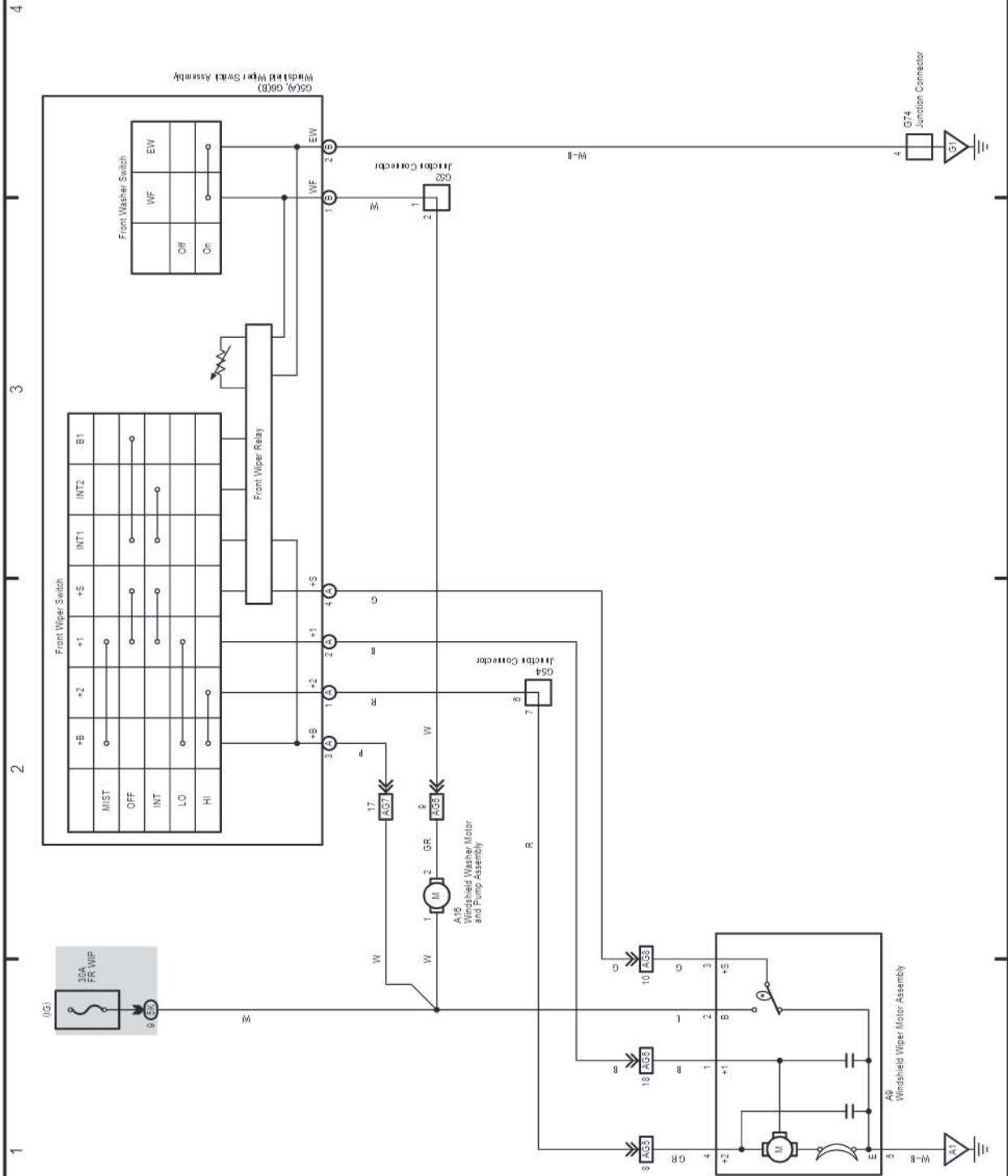
Engine Control (2AZ-FE)



CVT and Shift Indicator (2AZ-FE)



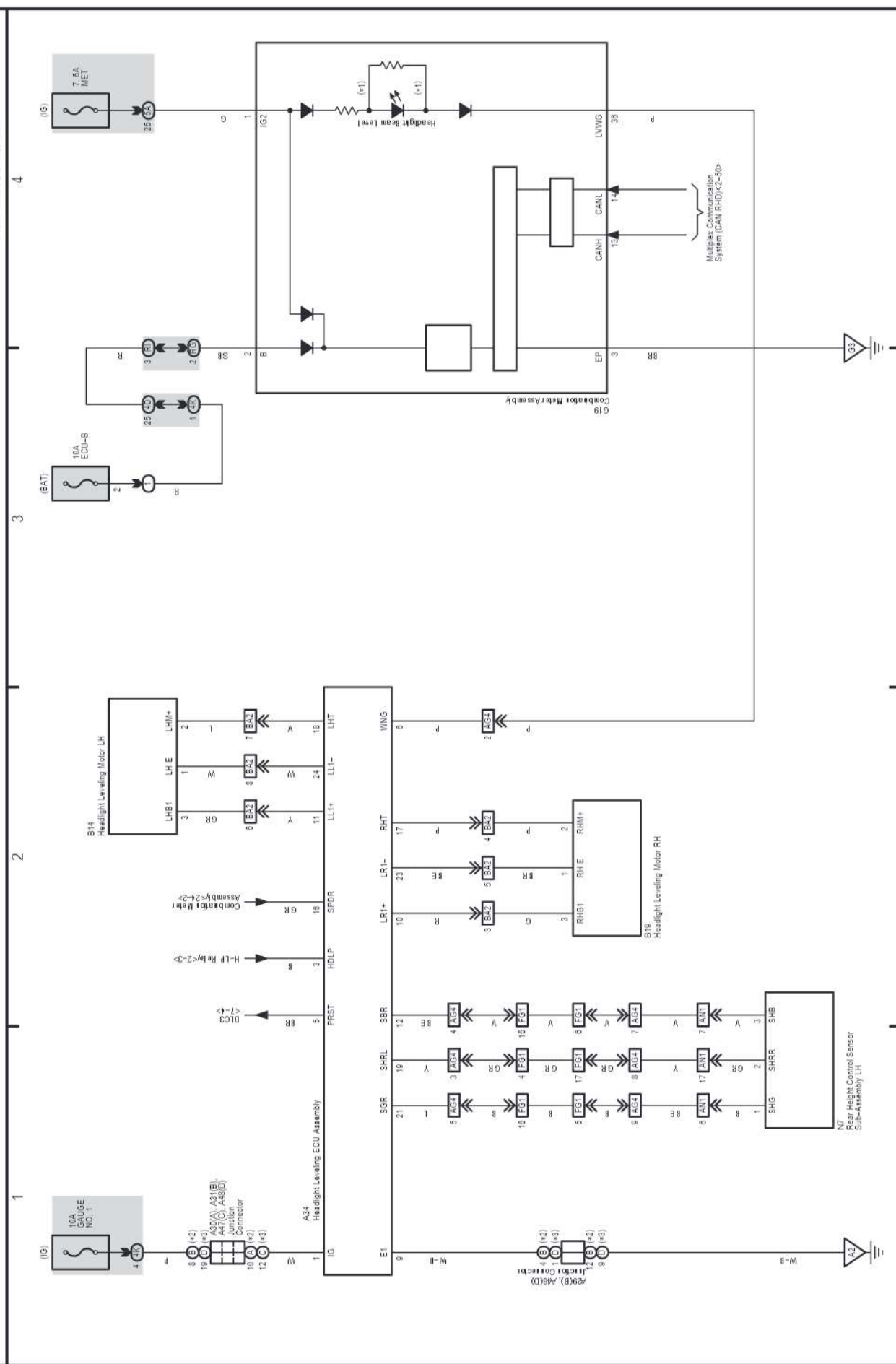
Front Wiper and Washer (w/o Auto Wiper System)



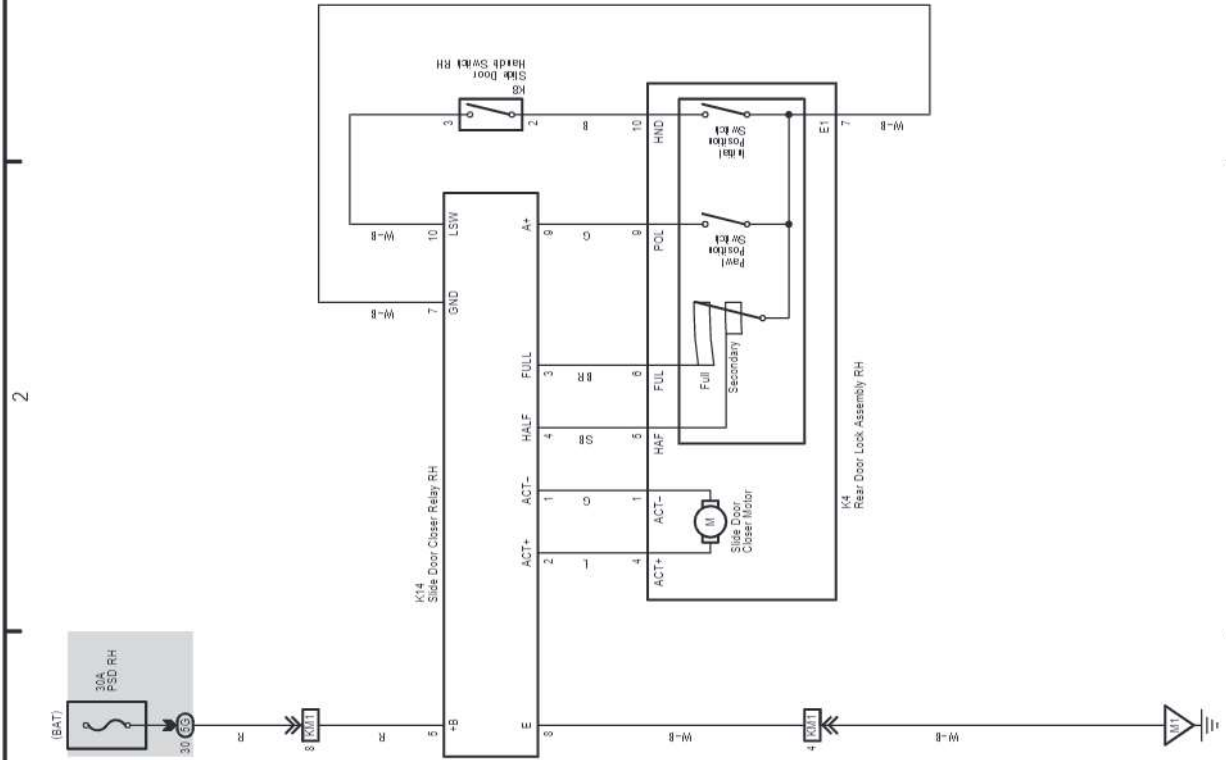
M OVERALL ELECTRICAL WIRING DIAGRAM

* 1 : Before Apr. 2010 Production
* 2 : Before Oct. 2011 Production
* 3 : From Oct. 2011 Production

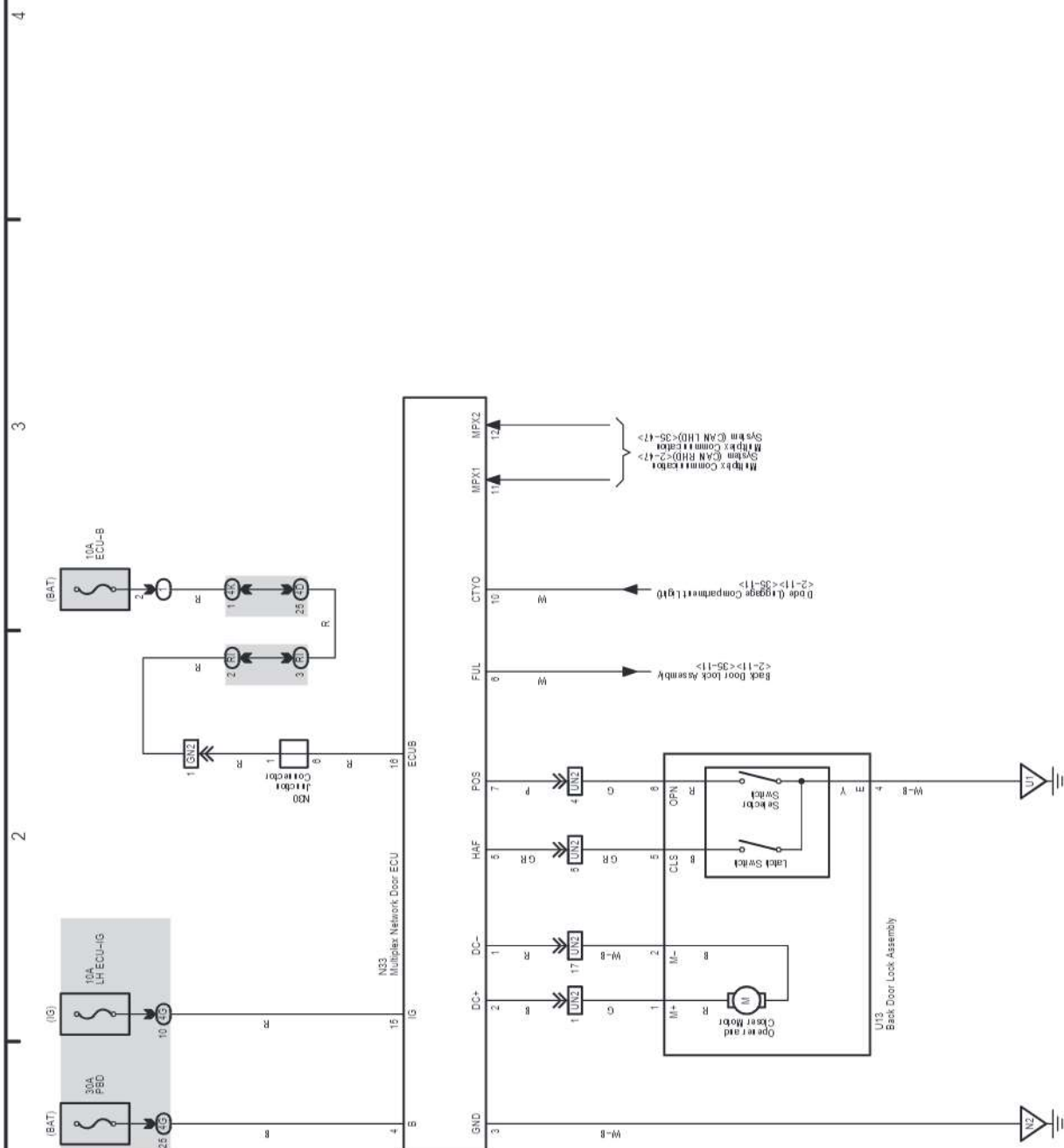
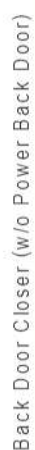
Headlight Beam Level Control (w/o Adaptive Front-Lighting System)



Slide Door Closer (w/o Power Slide Door)

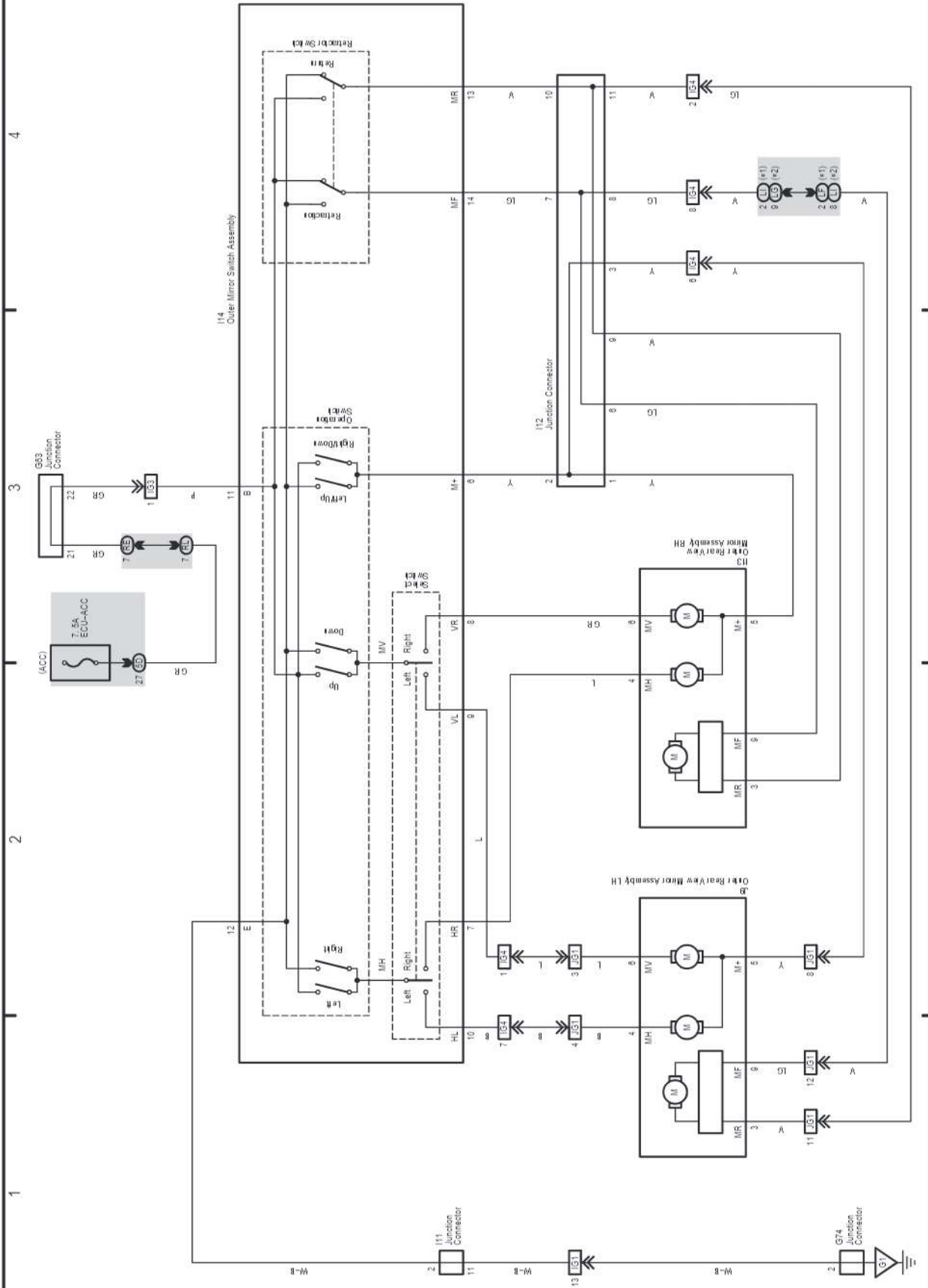


32 ALPHARD / VELLFIRE



Remote Control Mirror (w/o Automatic Retractable)

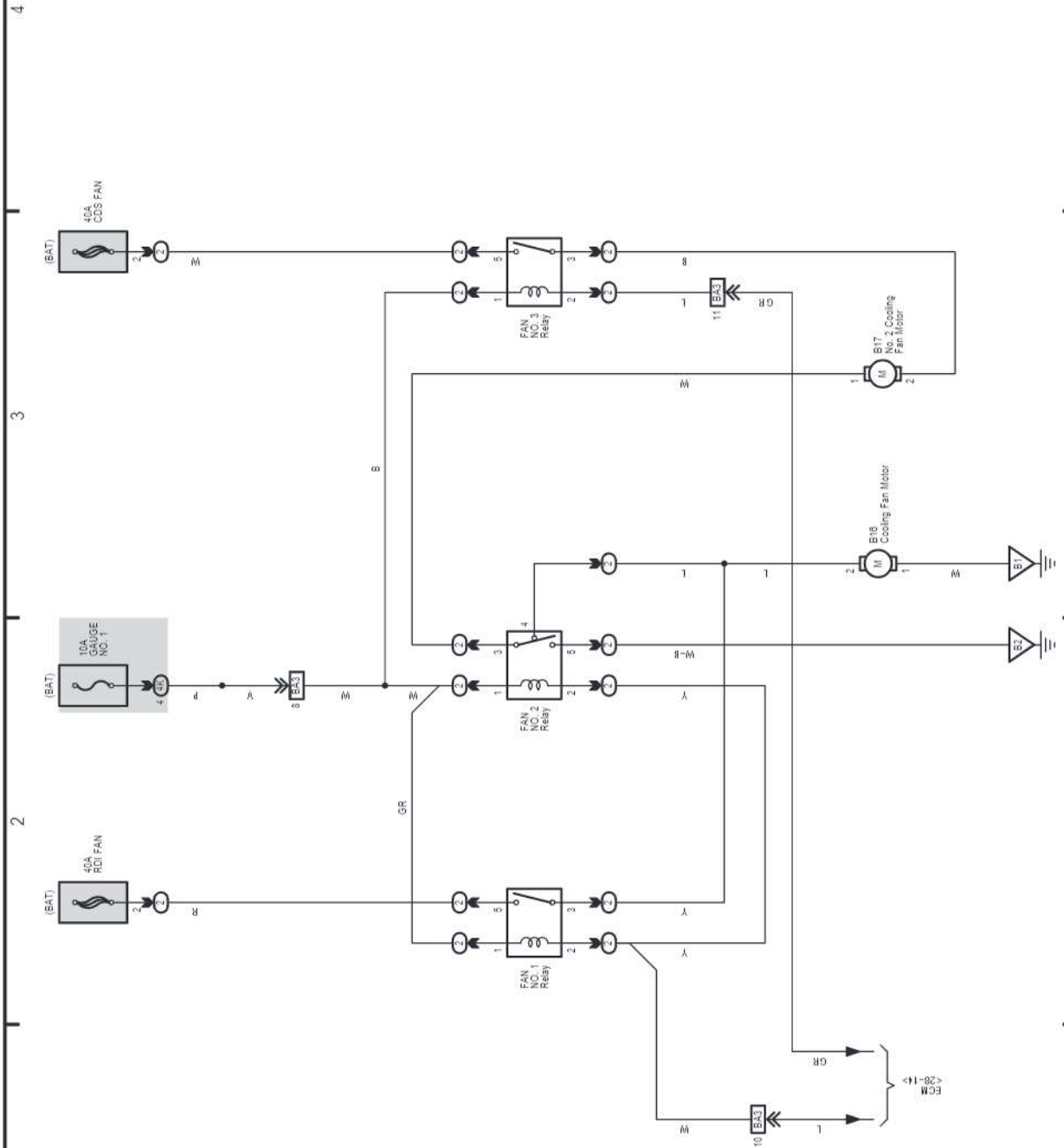
*1: Before Oct. 2011 Production
*2: From Oct. 2011 Production



M OVERALL ELECTRICAL WIRING DIAGRAM

34 ALPHARD / VELLFIRE

Cooling Fan (2AZ-FE)



ALPHARD / VELLFIRE (EM08Z5E)

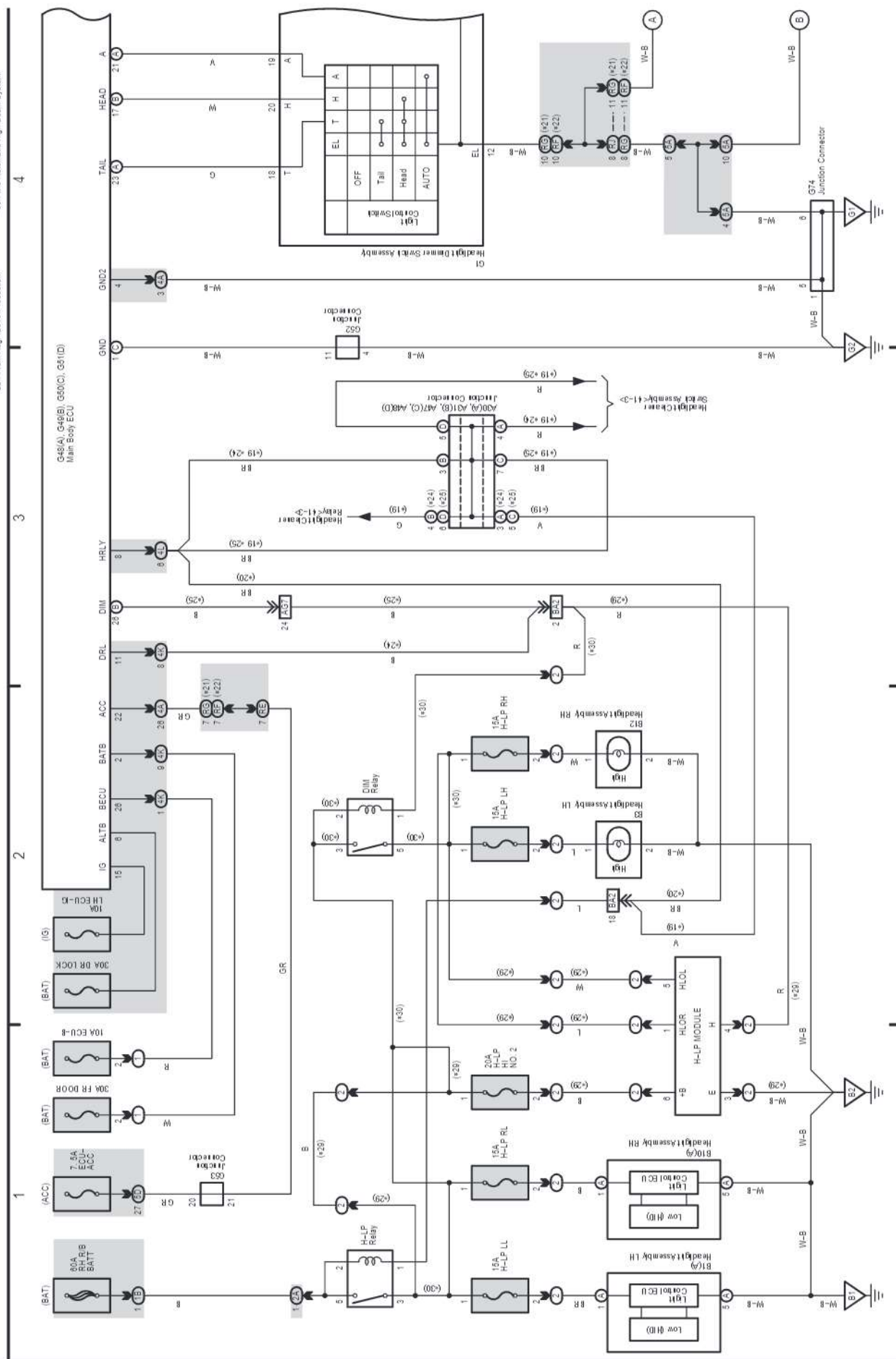
M OVERALL ELECTRICAL WIRING DIAGRAM

35 ALPHARD / VELLFIRE

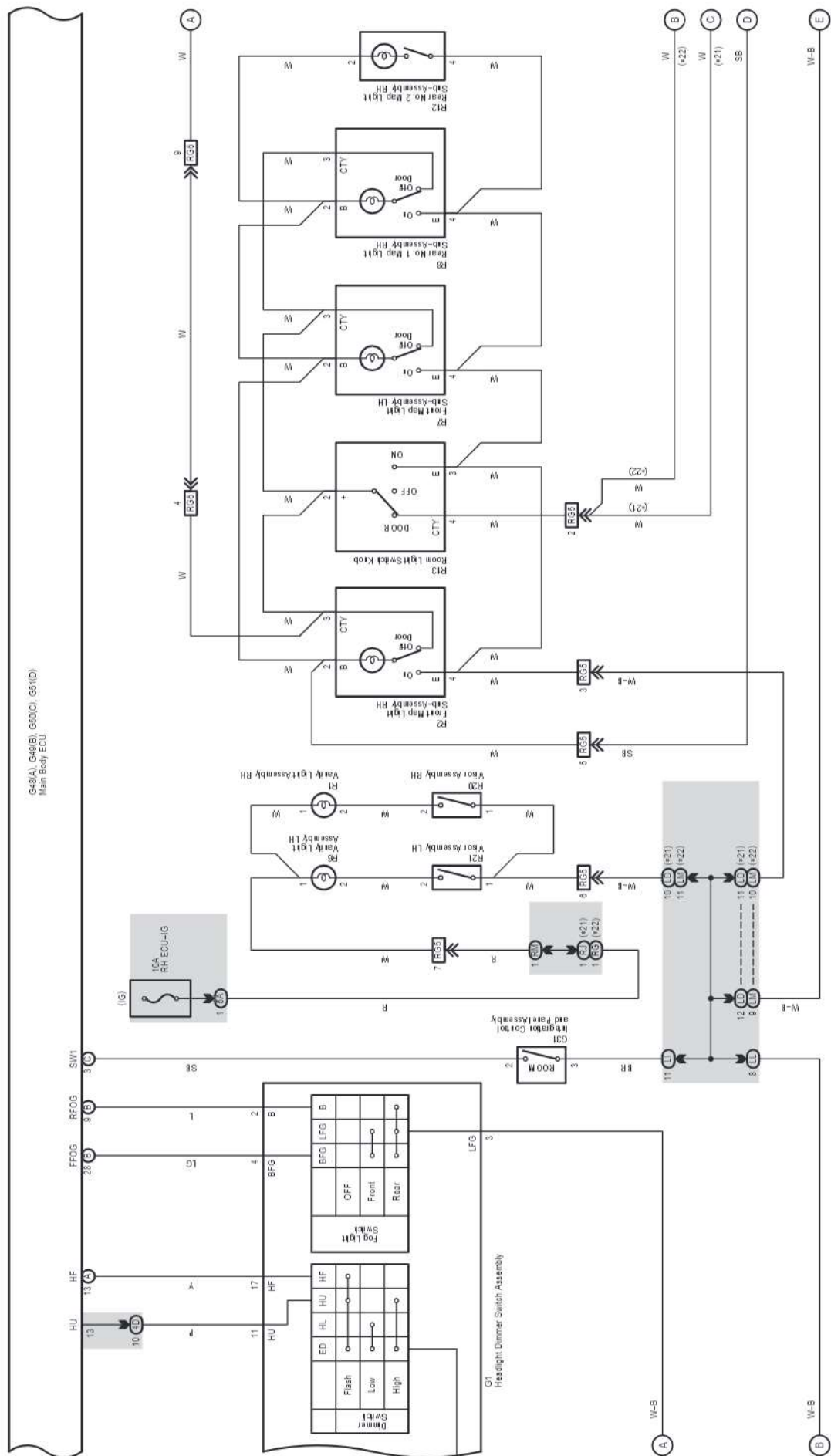
(Cont. next page)

- *19 : w/ Headlight Cleaner
- *20 : w/o Headlight Cleaner
- *21 : Before Aug. 2010 Production
- *22 : From Aug. 2010 Production
- *24 : Before Oct. 2011 Production
- *26 : From Oct. 2011 Production
- *29 : w/ Automatic High Beam System
- *30 : w/o Automatic High Beam System

Multiplex Communication System (CAN LHD)



ALPHARD / VELLFIRE (EM08Z5E)

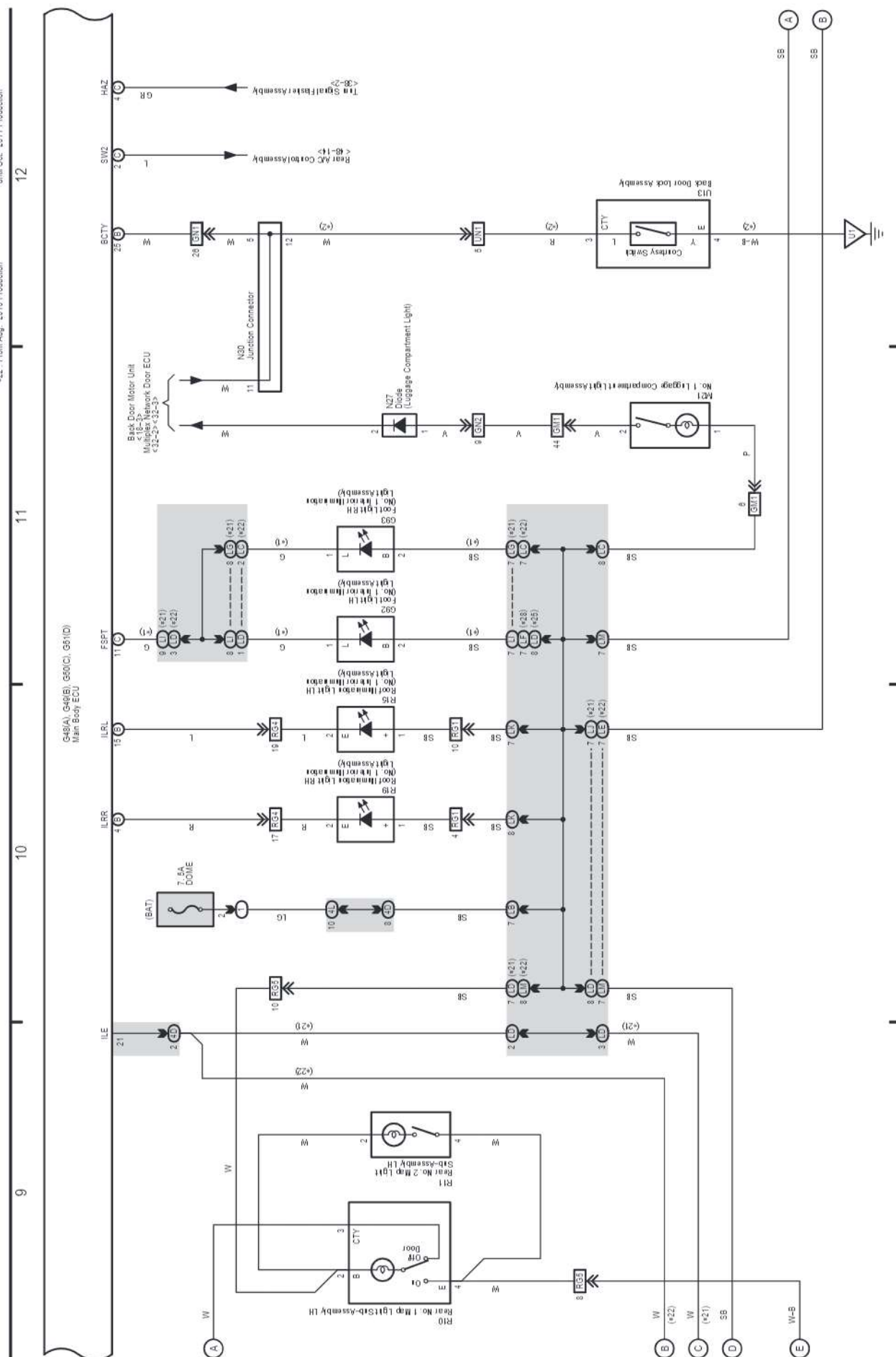


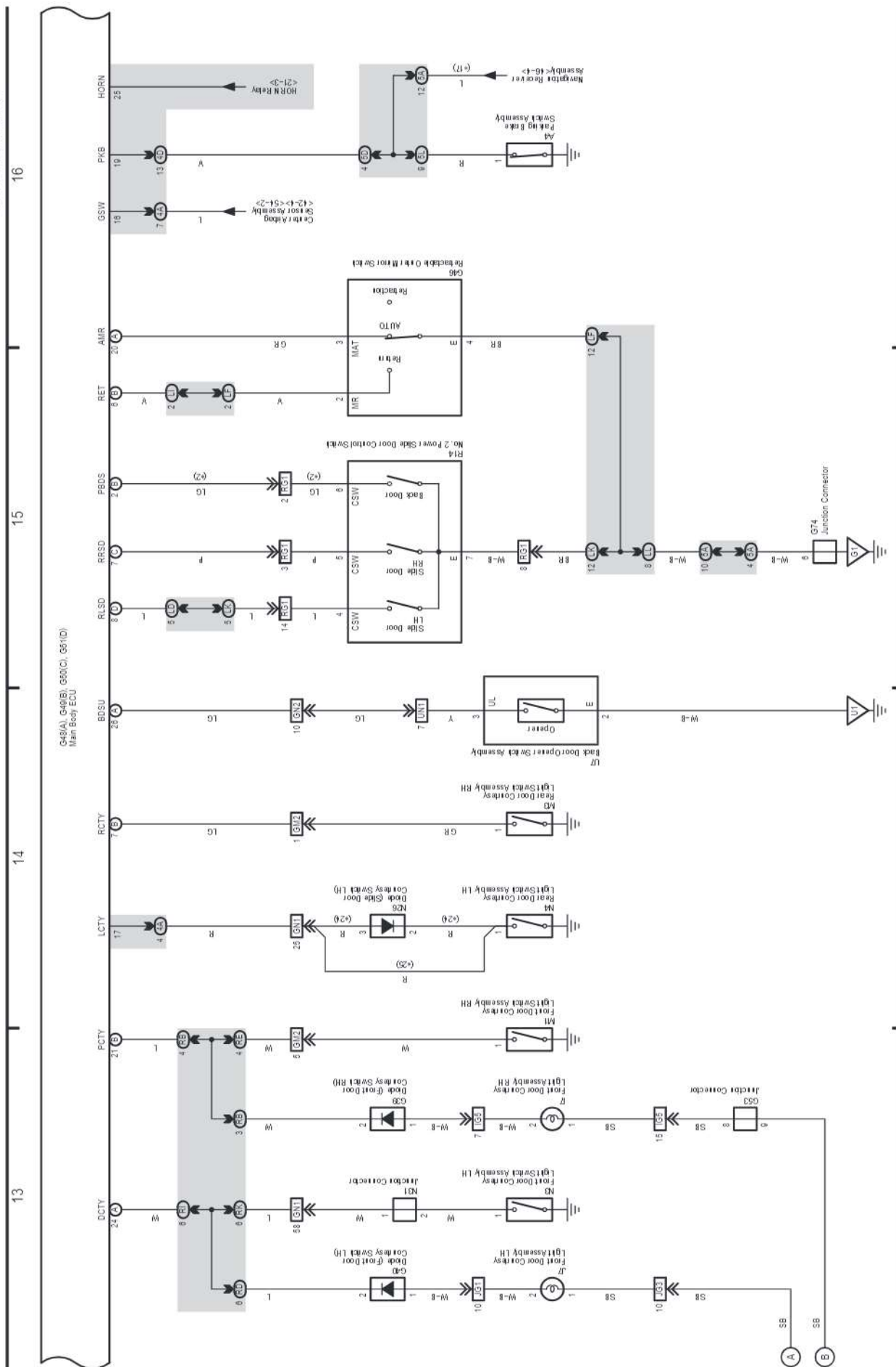
M OVERALL ELECTRICAL WIRING DIAGRAM

1 : w/ Foot Light
2 : w/ Power Back Door
#21 : Before Aug. 2010 Production
#22 : From Aug. 2010 Production

25: From Oct. 2011 Production
28: From Aug. 2010 Production
until Oct. 2011 Production

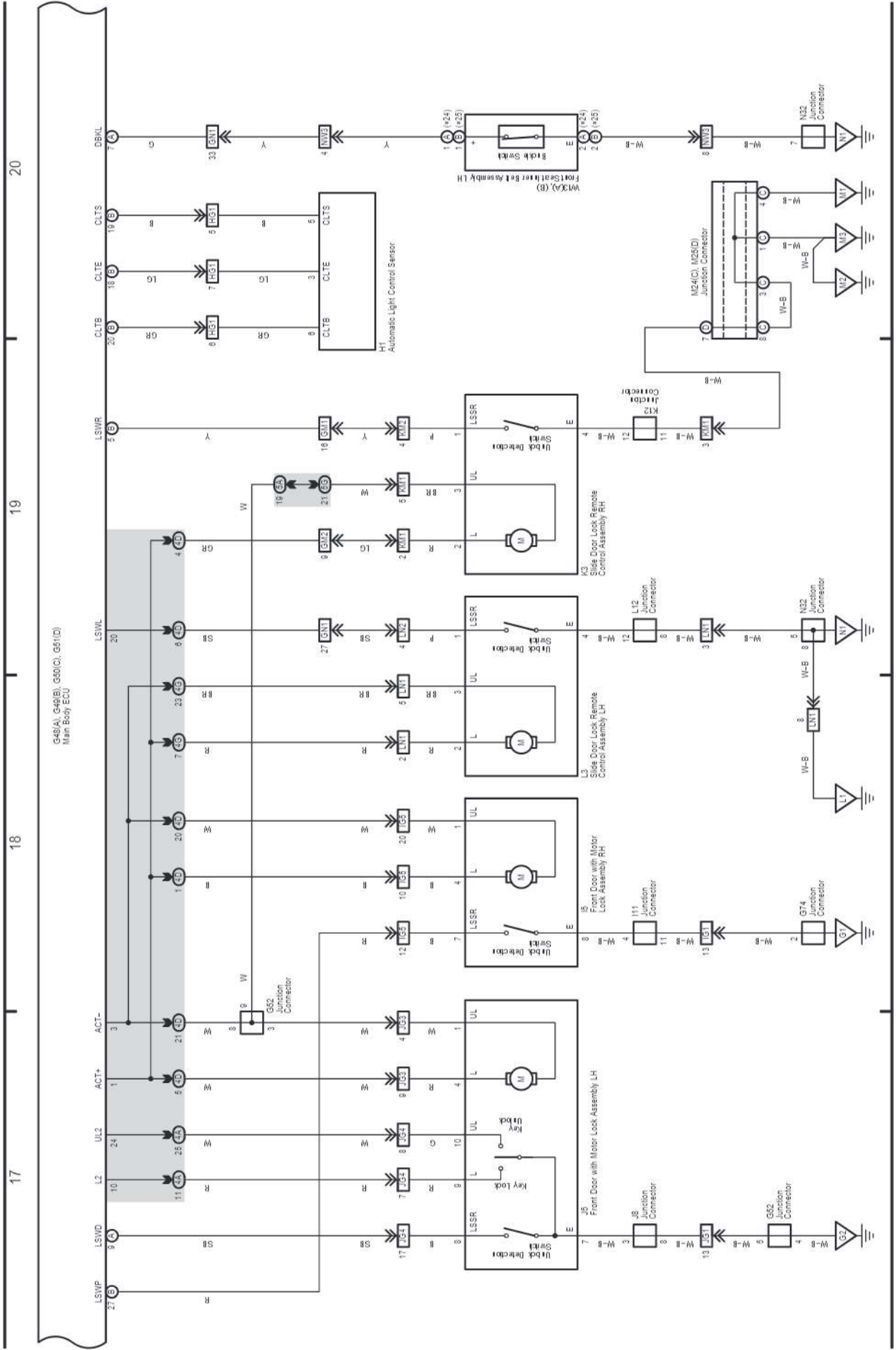
Multiplex Communication System (CAN LHD)



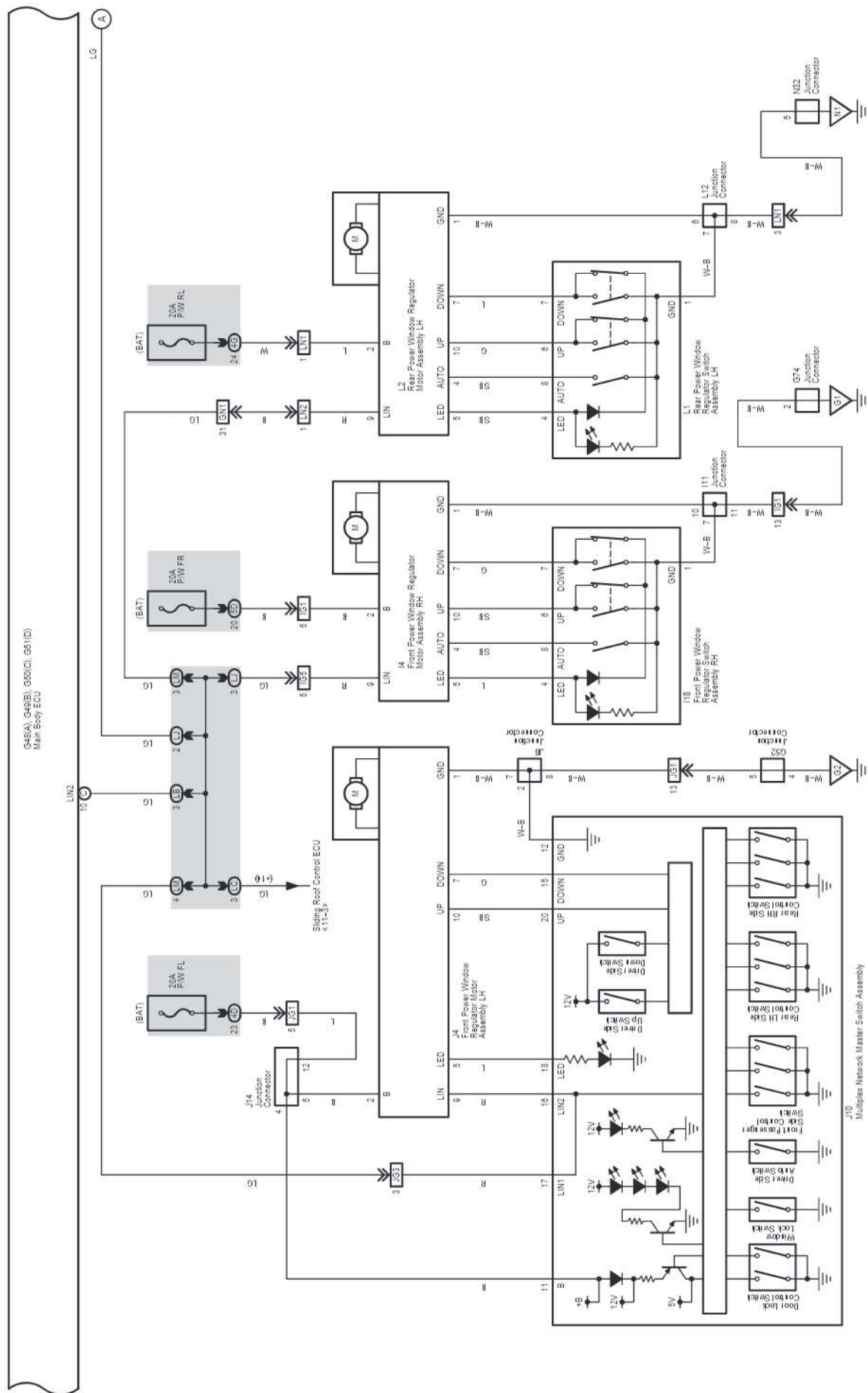


Multiplex Communication System (CAN LHD)

*24 : Before Oct. 2011 Production
*25 : From Oct. 2011 Production



r14 : w/ Sliding Roof



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M OVERALL ELECTRICAL WIRING DIAGRAM

35 ALPHARD / VELLFIRE (Cont' d)

(Cont. next page)

*21 : Before Aug. 2010 Production
*22 : From Aug. 2010 Production
*23 : w/ Ion Generator Sub-Assembly *25

Multiplex Communication System (CAN LHD)

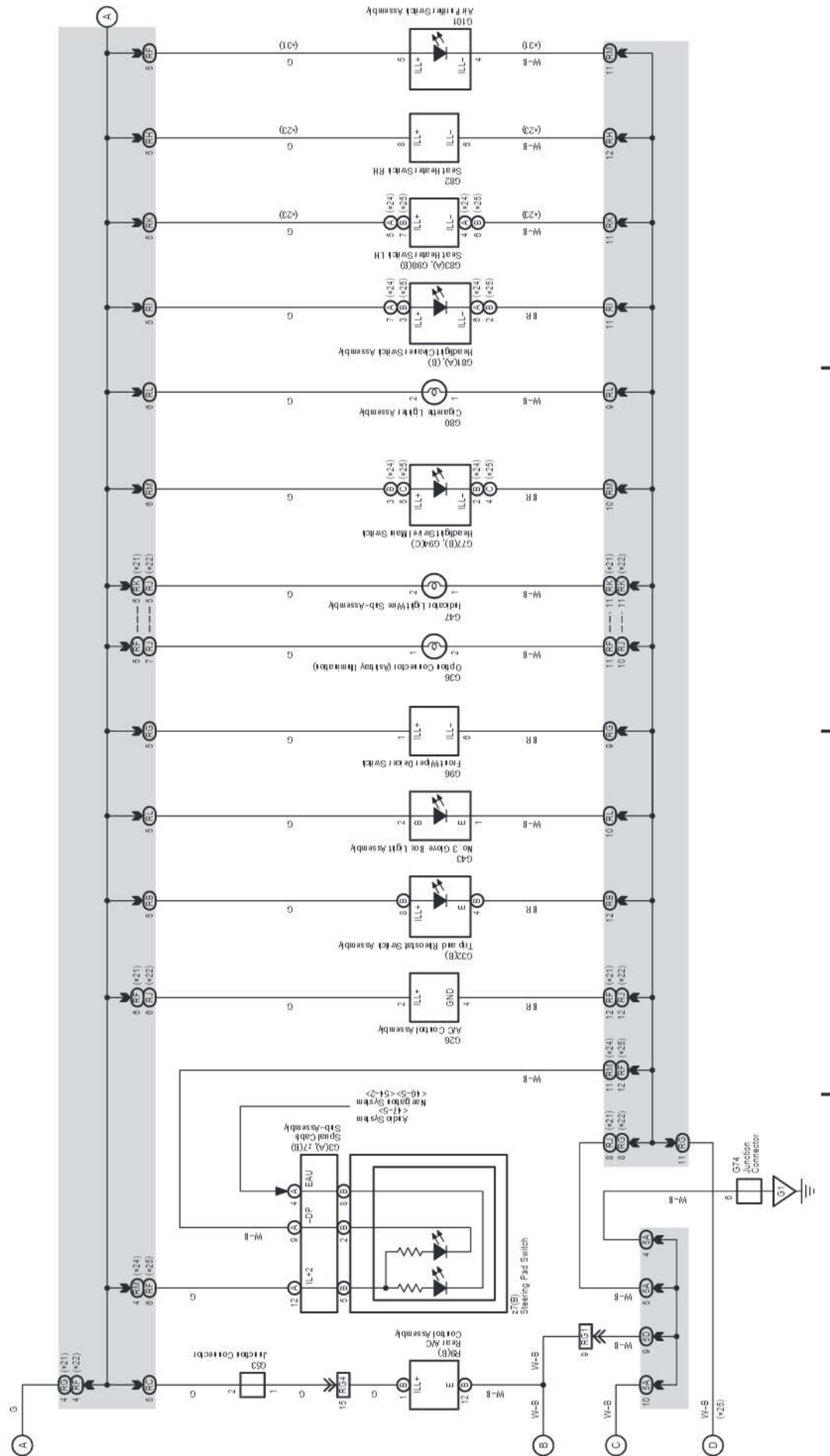
33

34

35

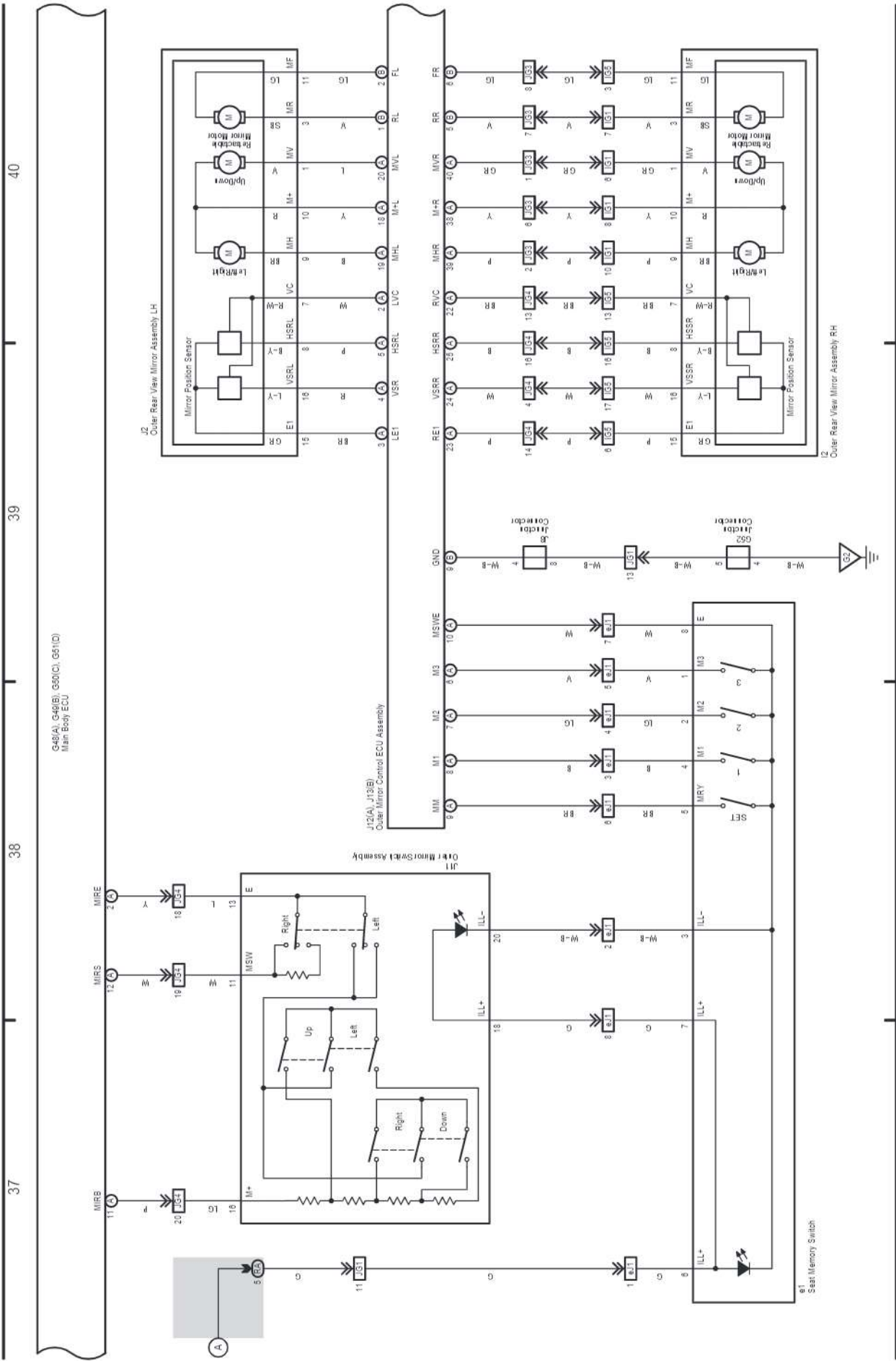
36

G48(A), G49(B), G50(C), G51(D)
Main Body ECU



ALPHARD / VELLFIRE (EM08Z5E)

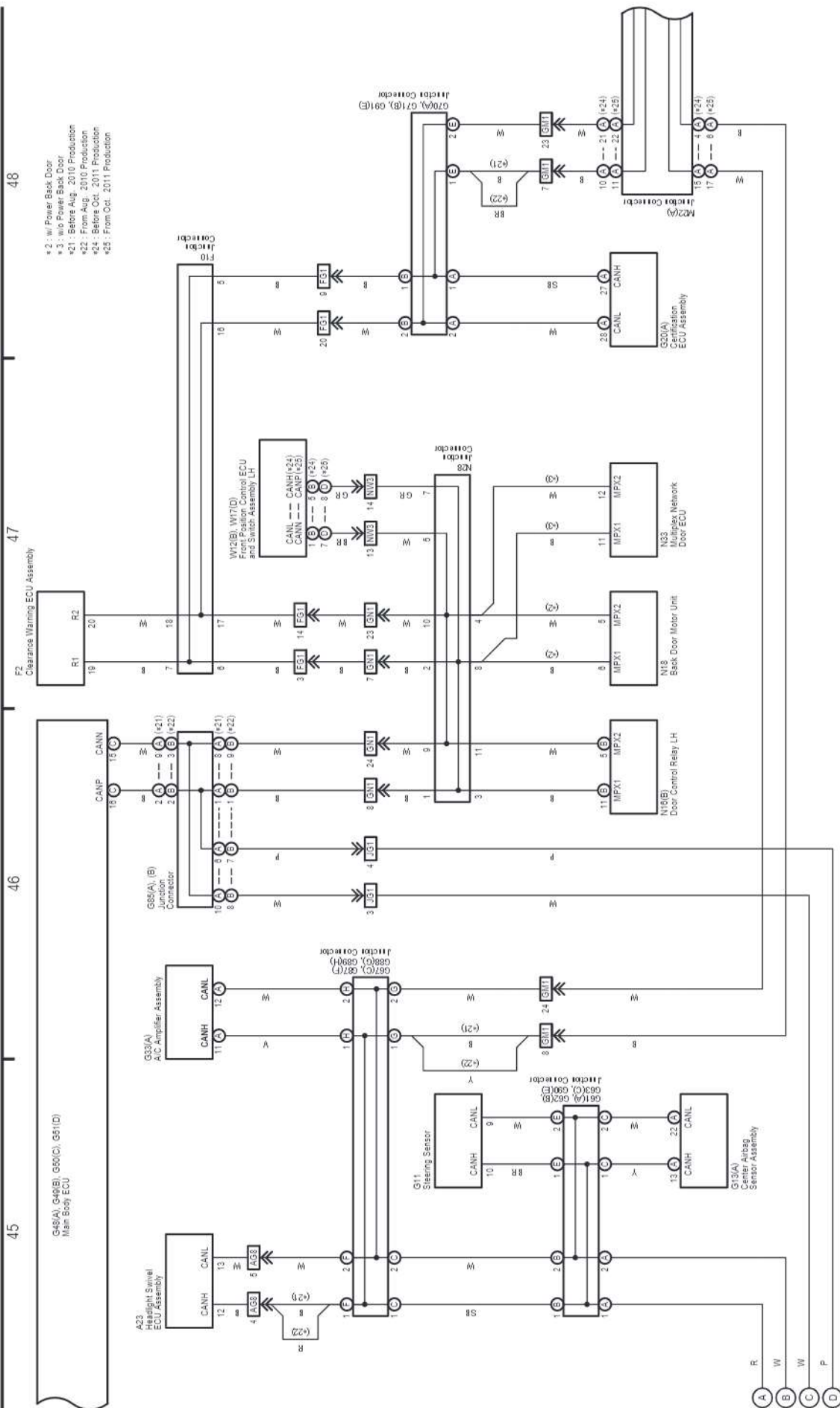
Multiplex Communication System (CAN LHD)



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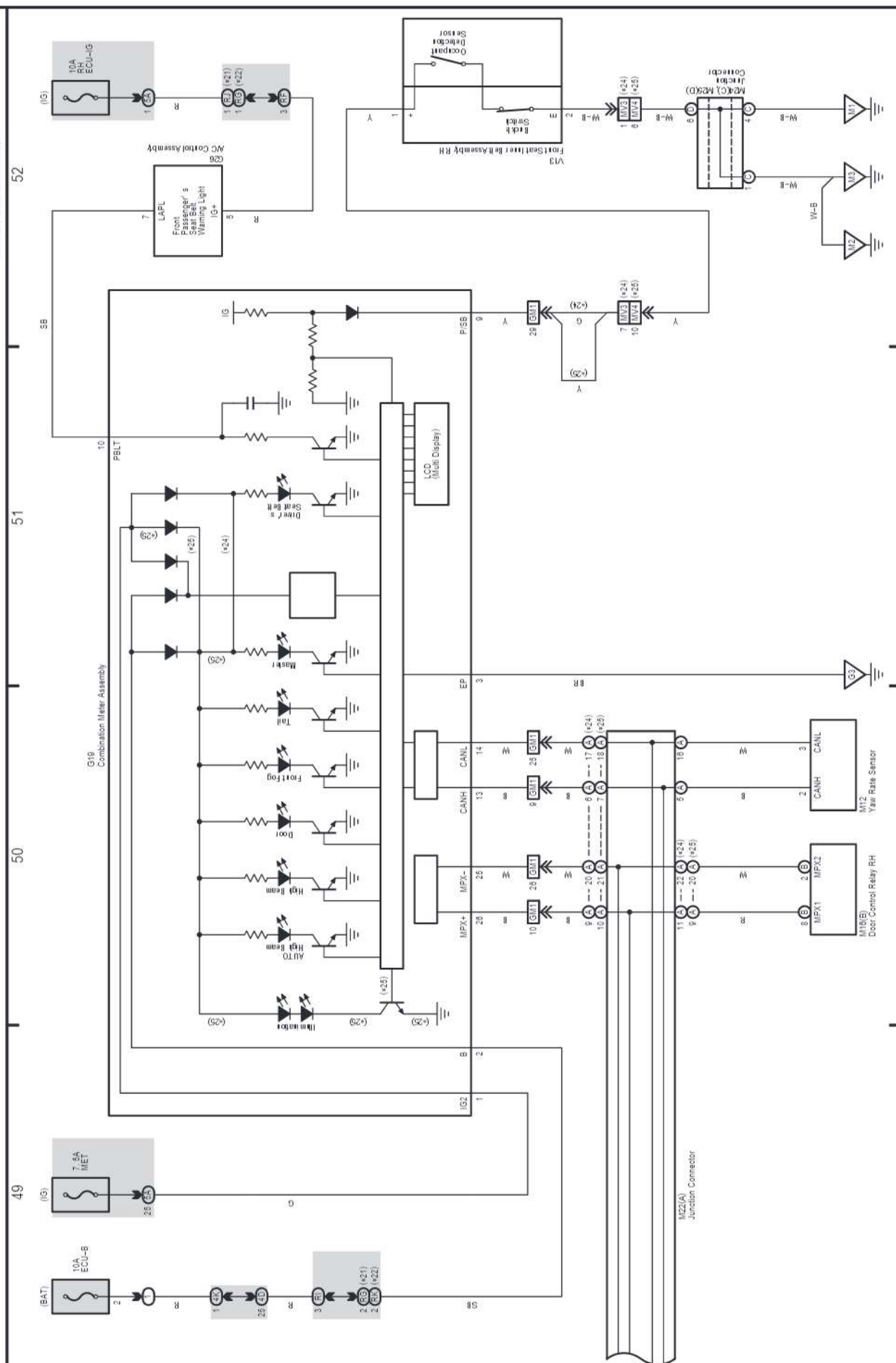
48



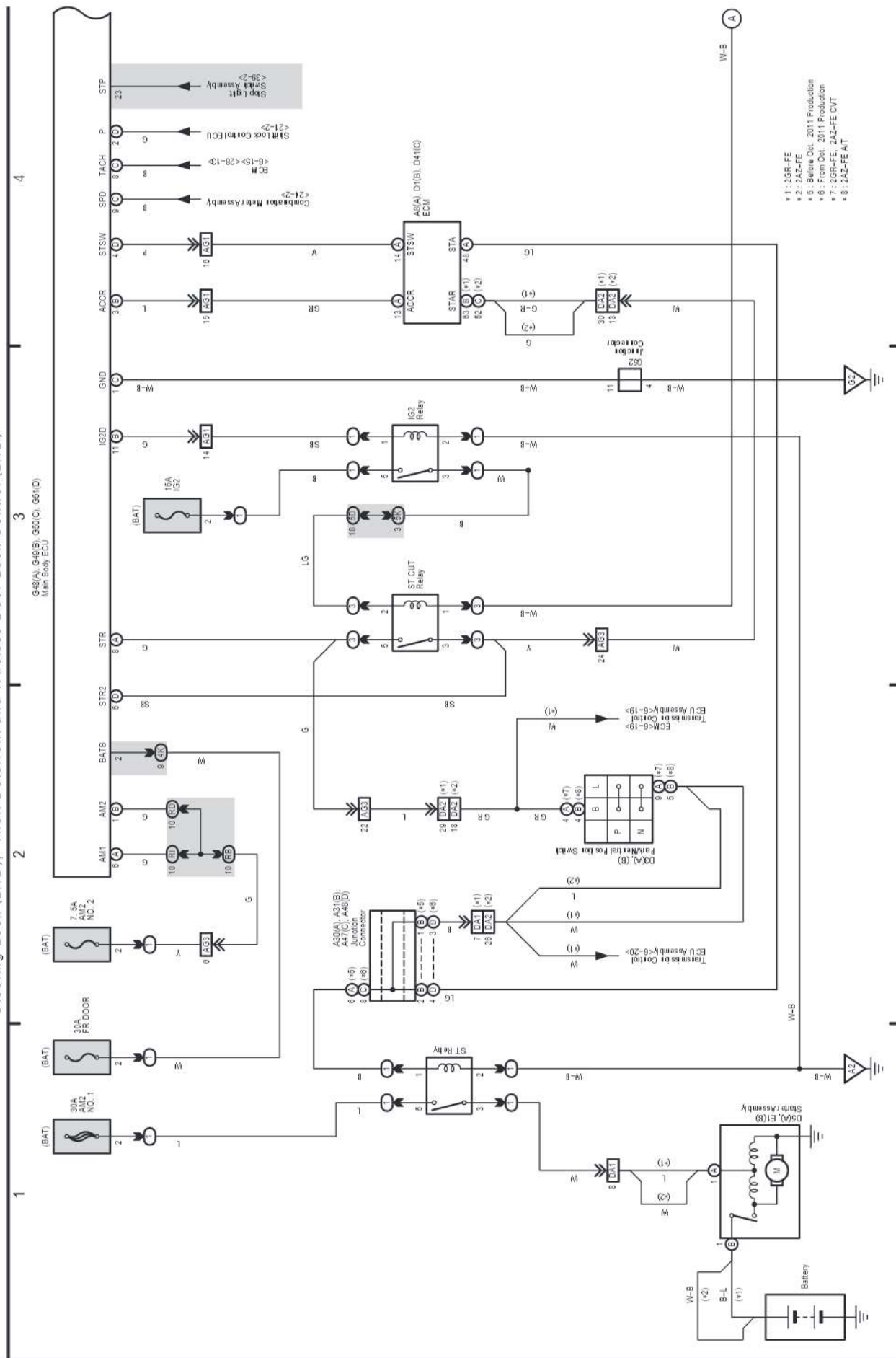
M OVERALL ELECTRICAL WIRING DIAGRAM

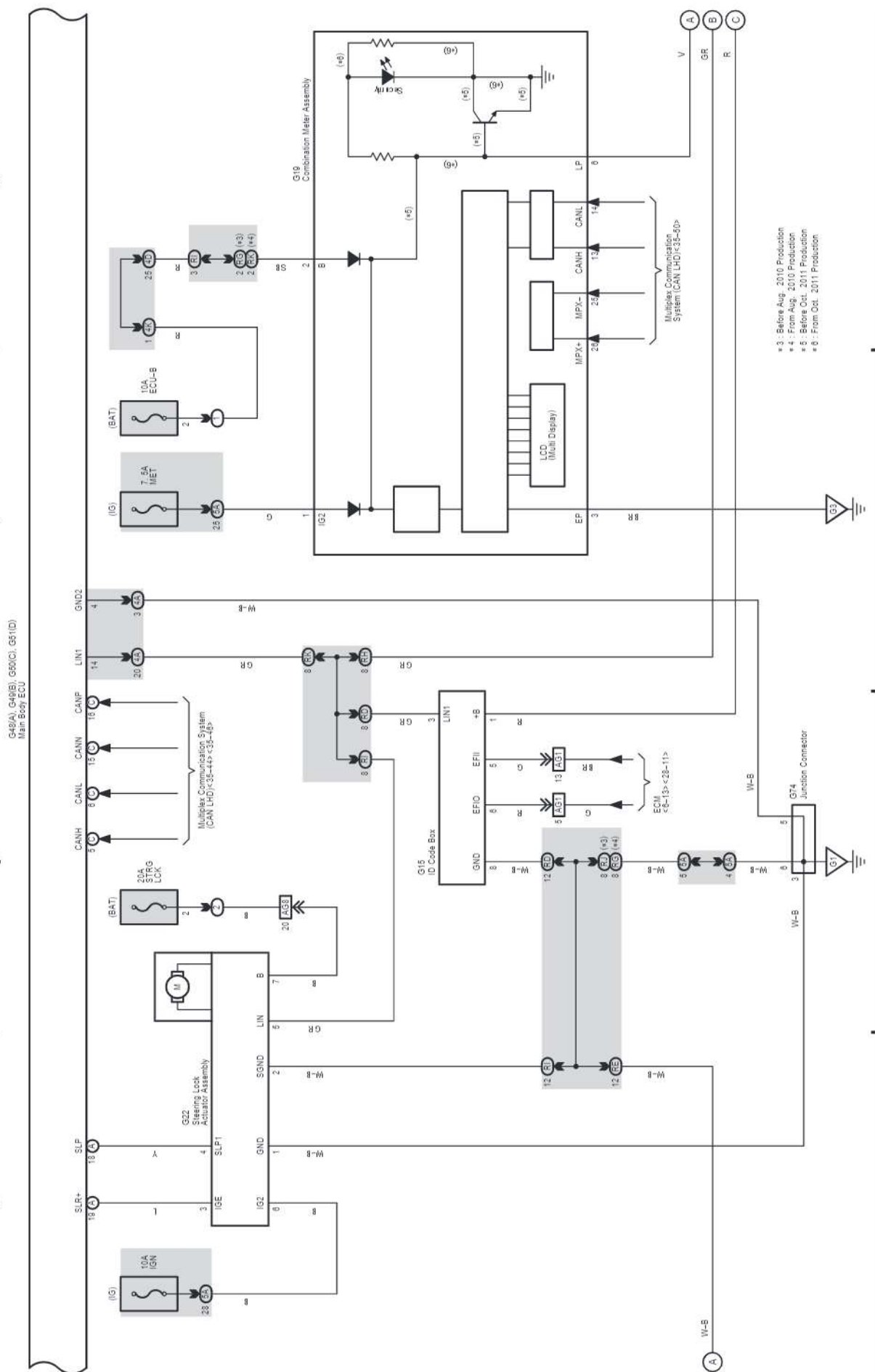
*21 : Before Aug. 2010 Production
 *22 : From Aug. 2010 Production
 *24 : Before Oct. 2011 Production
 *25 : From Oct. 2011 Production

Multiplex Communication System (CAN LHD)



M OVERALL ELECTRICAL WIRING DIAGRAM

Engine Immobiliser System (LHD), Smart Entry & Start System (LHD), Starting (LHD),
Steering Lock (LHD), Theft Deterrent and Wireless Door Lock Control (LHD)



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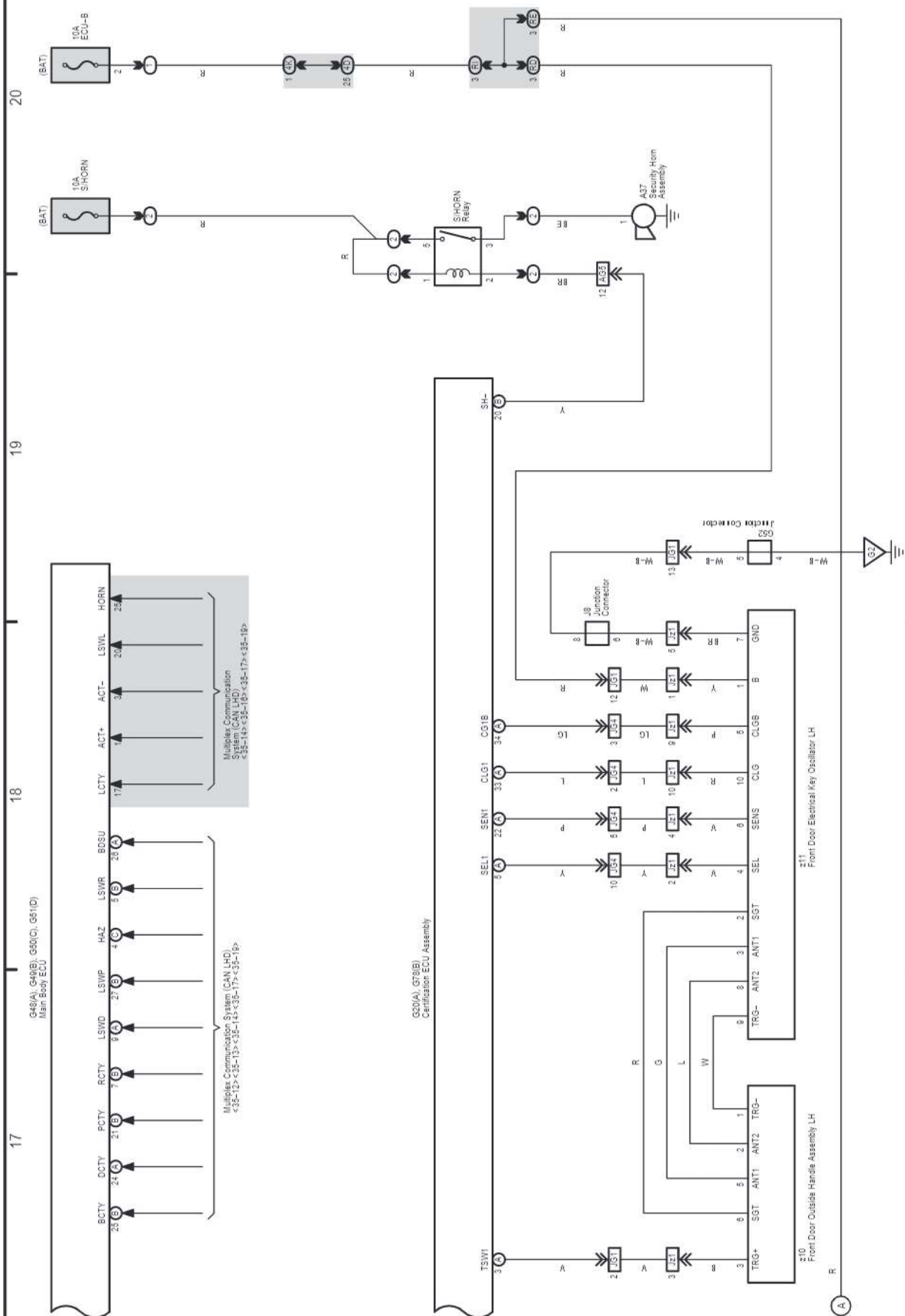
16



M OVERALL ELECTRICAL WIRING DIAGRAM

36 ALPHARD / VELLFIRE (Cont' d)

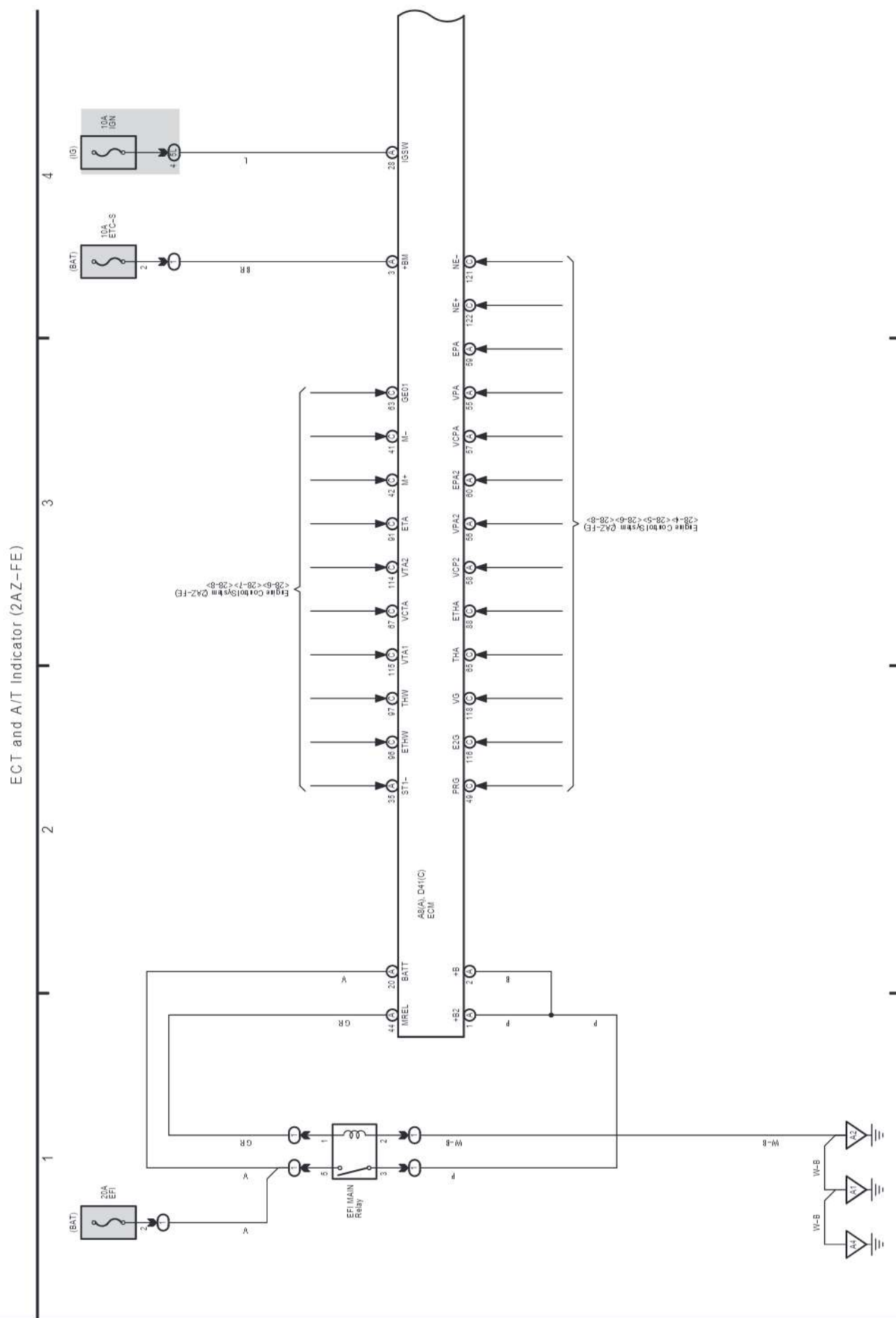
Engine Immobiliser System (LHD), Smart Entry & Start System (LHD), Starting (LHD),
Steering Lock (LHD), Theft Deterrent and Wireless Door Lock Control (LHD)



M OVERALL ELECTRICAL WIRING DIAGRAM

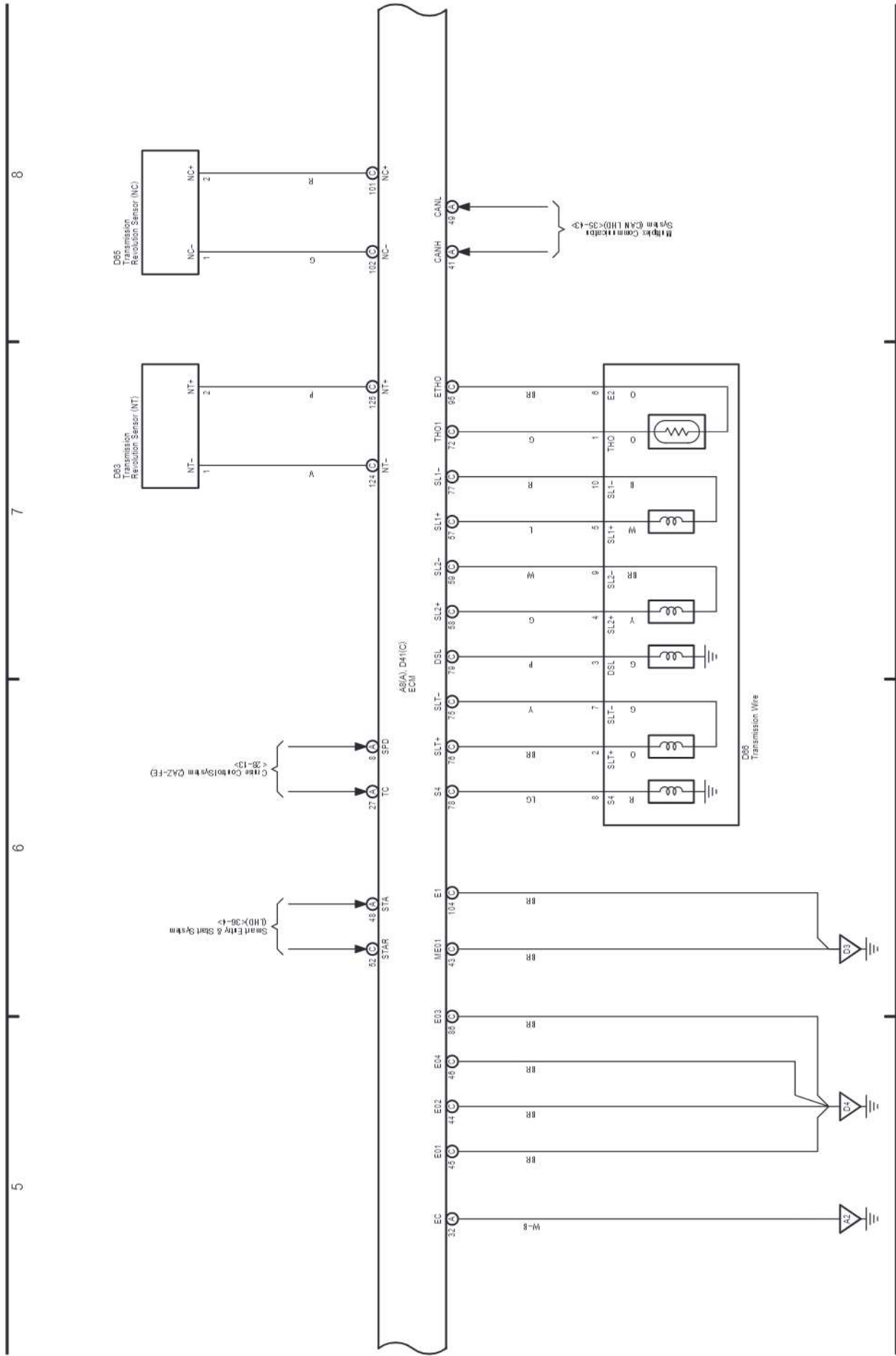
37 ALPHARD / VELLFIRE

(Cont. next page)



ALPHARD / VELLFIRE (EM08Z5E)

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

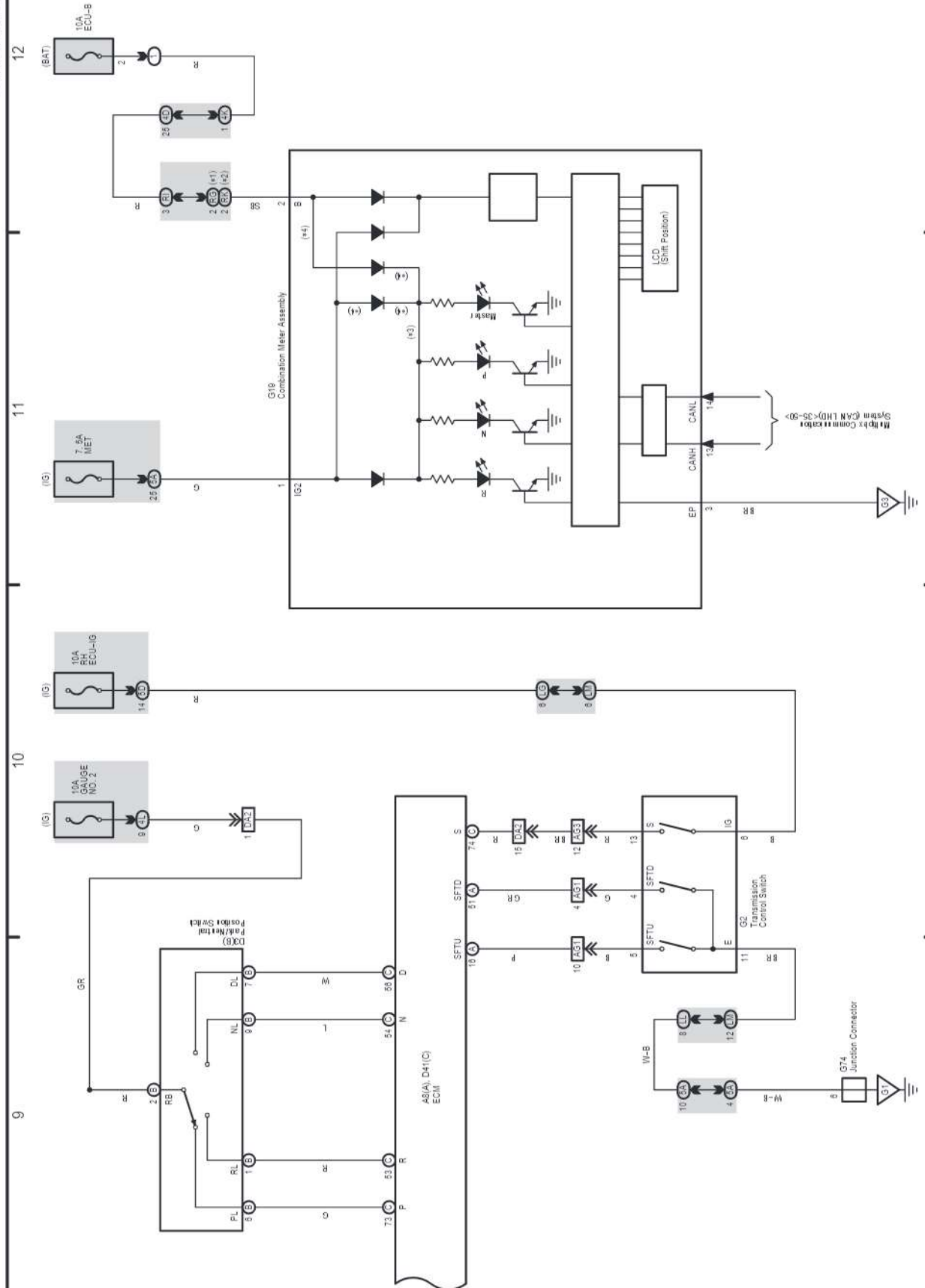


M OVERALL ELECTRICAL WIRING DIAGRAM

37 ALPHARD / VELLFIRE (Cont' d)

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

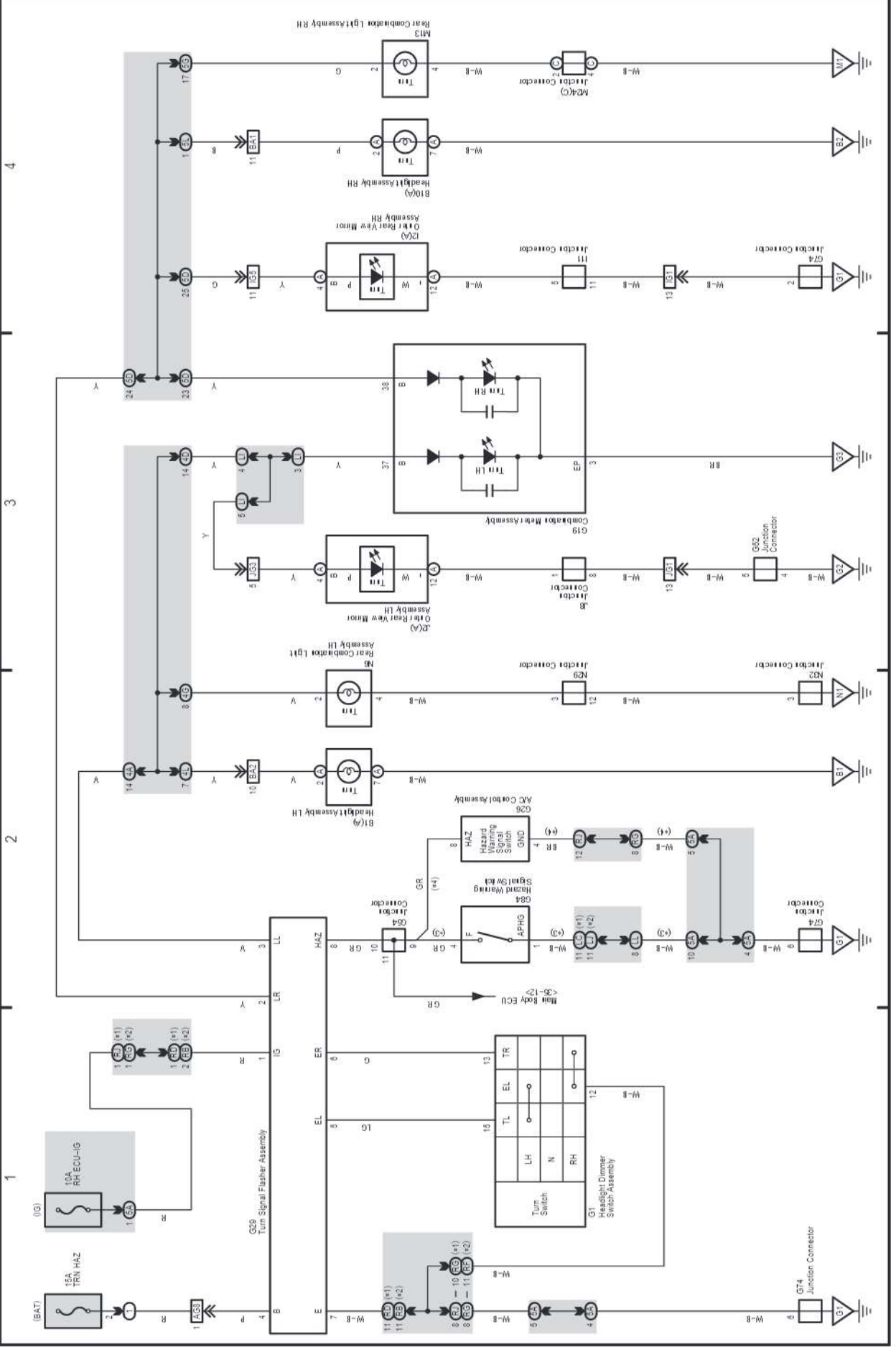
- * 1: Before Aug. 2010 Production
- * 2: From Aug. 2010 Production
- * 3: Before Oct. 2011 Production
- * 4: From Oct. 2011 Production



38 ALPHARD / VELLFIRE

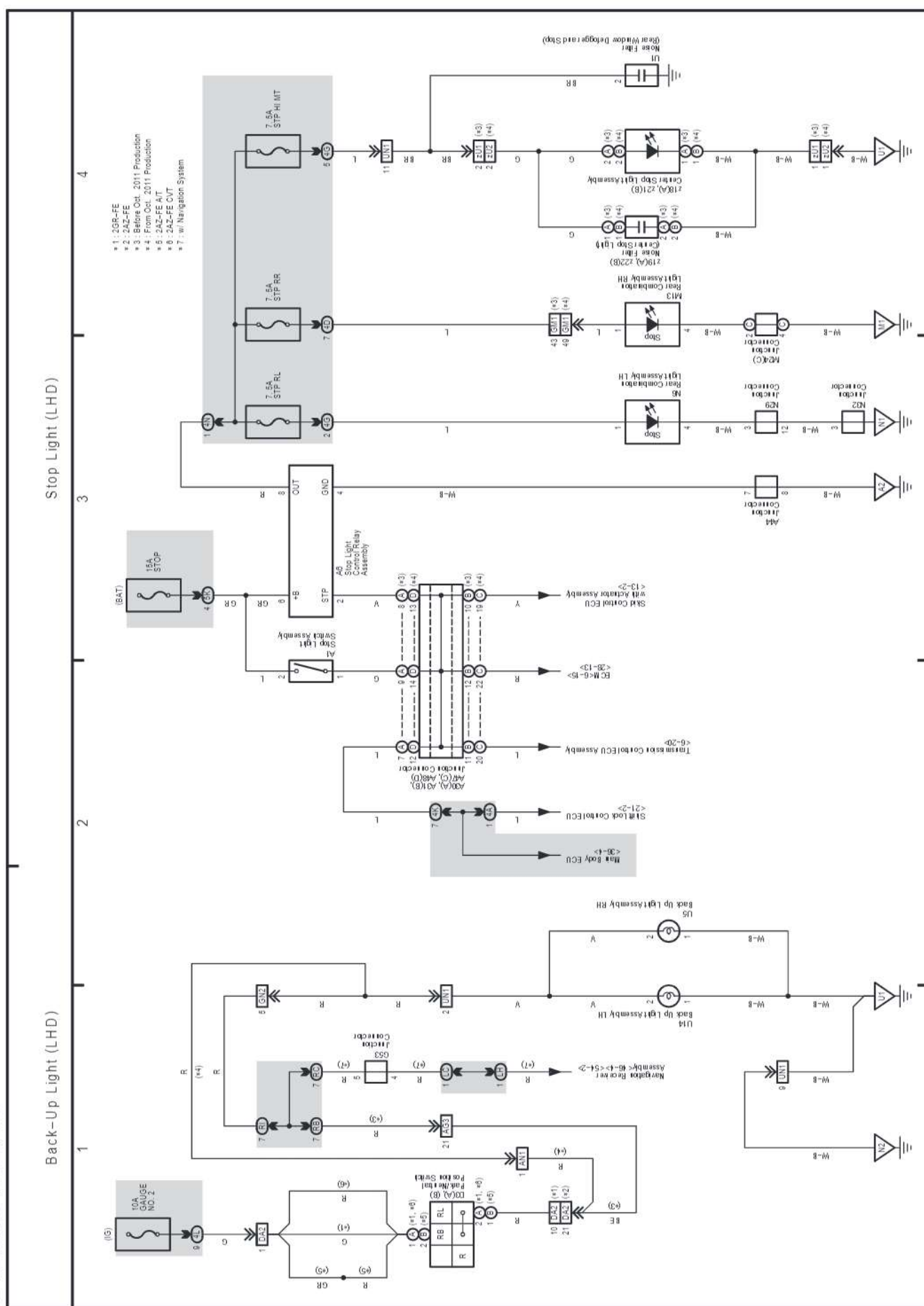
Turn Signal and Hazard Warning Light (LHD)

- *1: Before Aug. 2010 Production
- *2: From Aug. 2010 Production
- *3: Before Oct. 2011 Production
- *4: From Oct. 2011 Production



M OVERALL ELECTRICAL WIRING DIAGRAM

39 ALPHARD / VELLFIRE



• 1 : w/ Headlight Cleaner

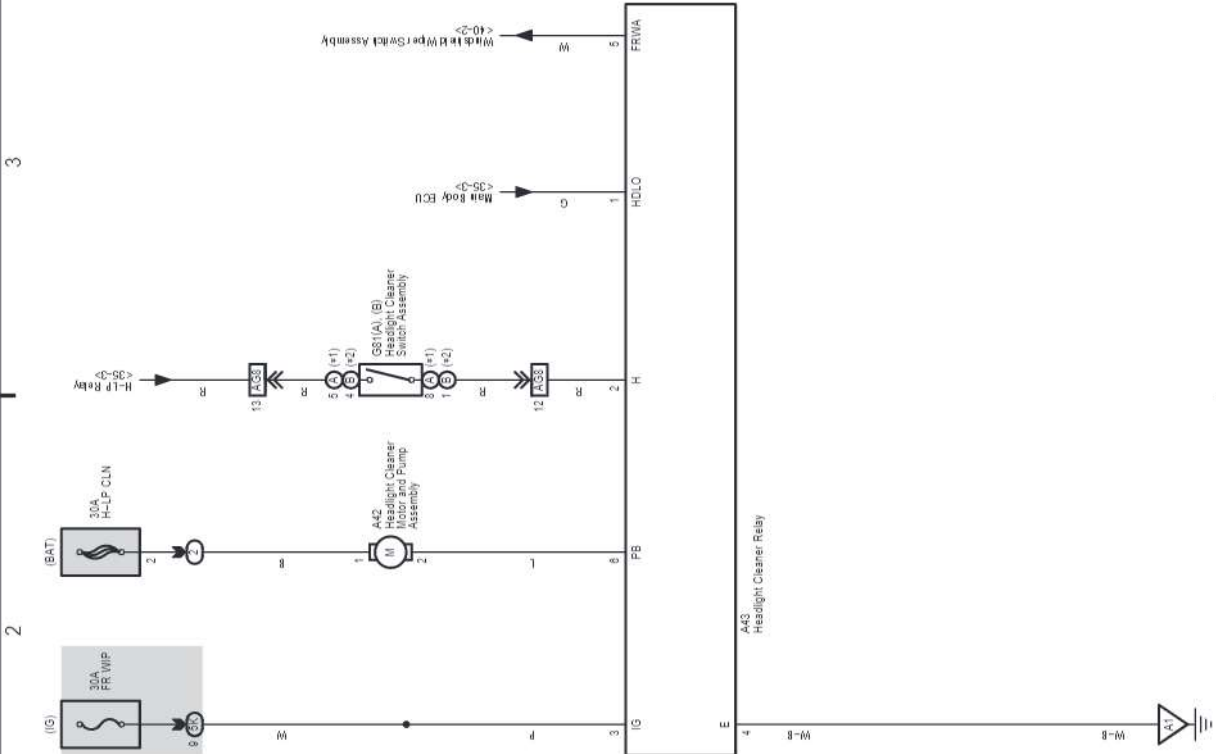


M OVERALL ELECTRICAL WIRING DIAGRAM

41 ALPHARD / VELLFIRE

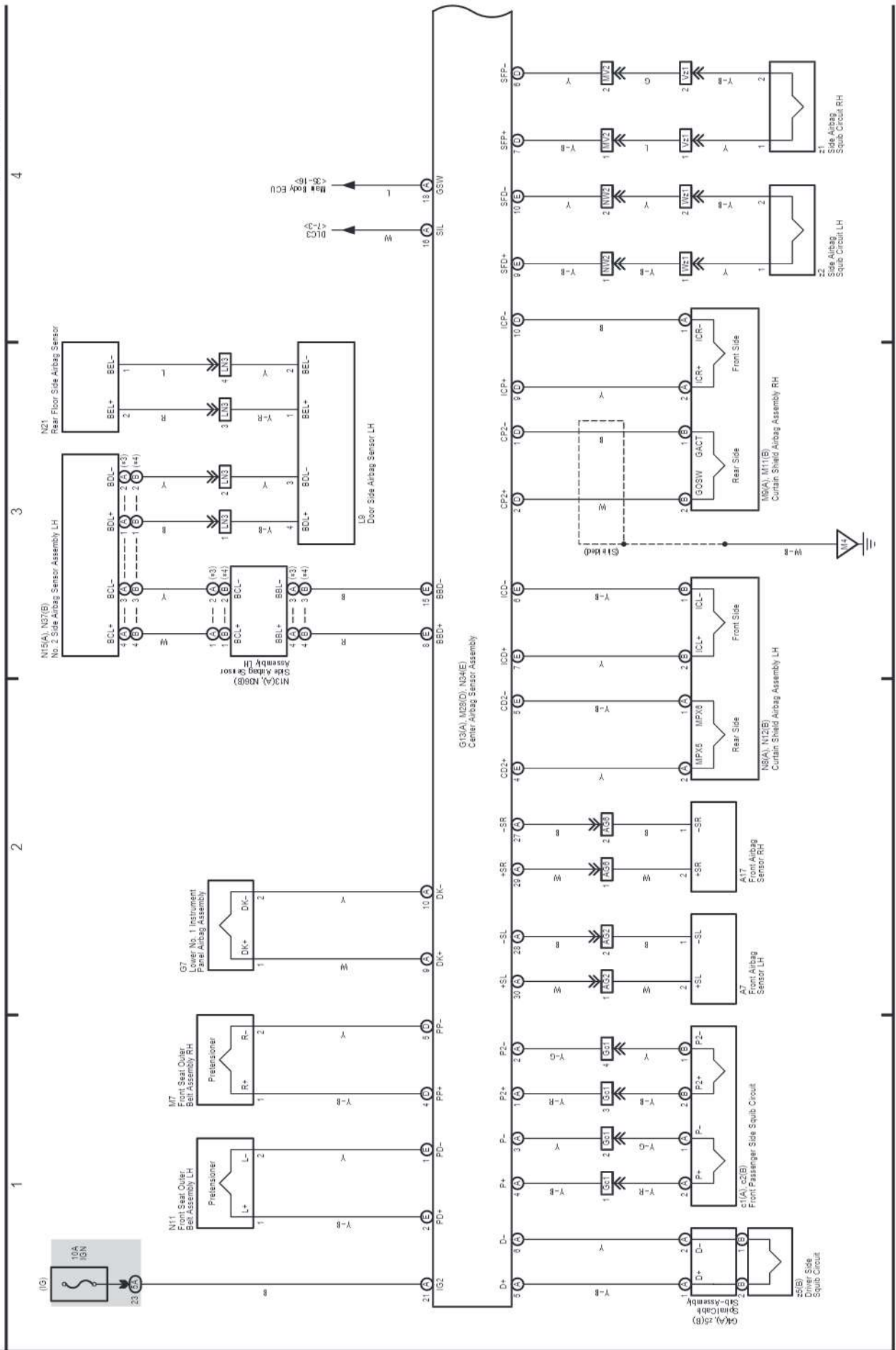
*1: Before Oct. 2011 Production
*2: From Oct. 2011 Production

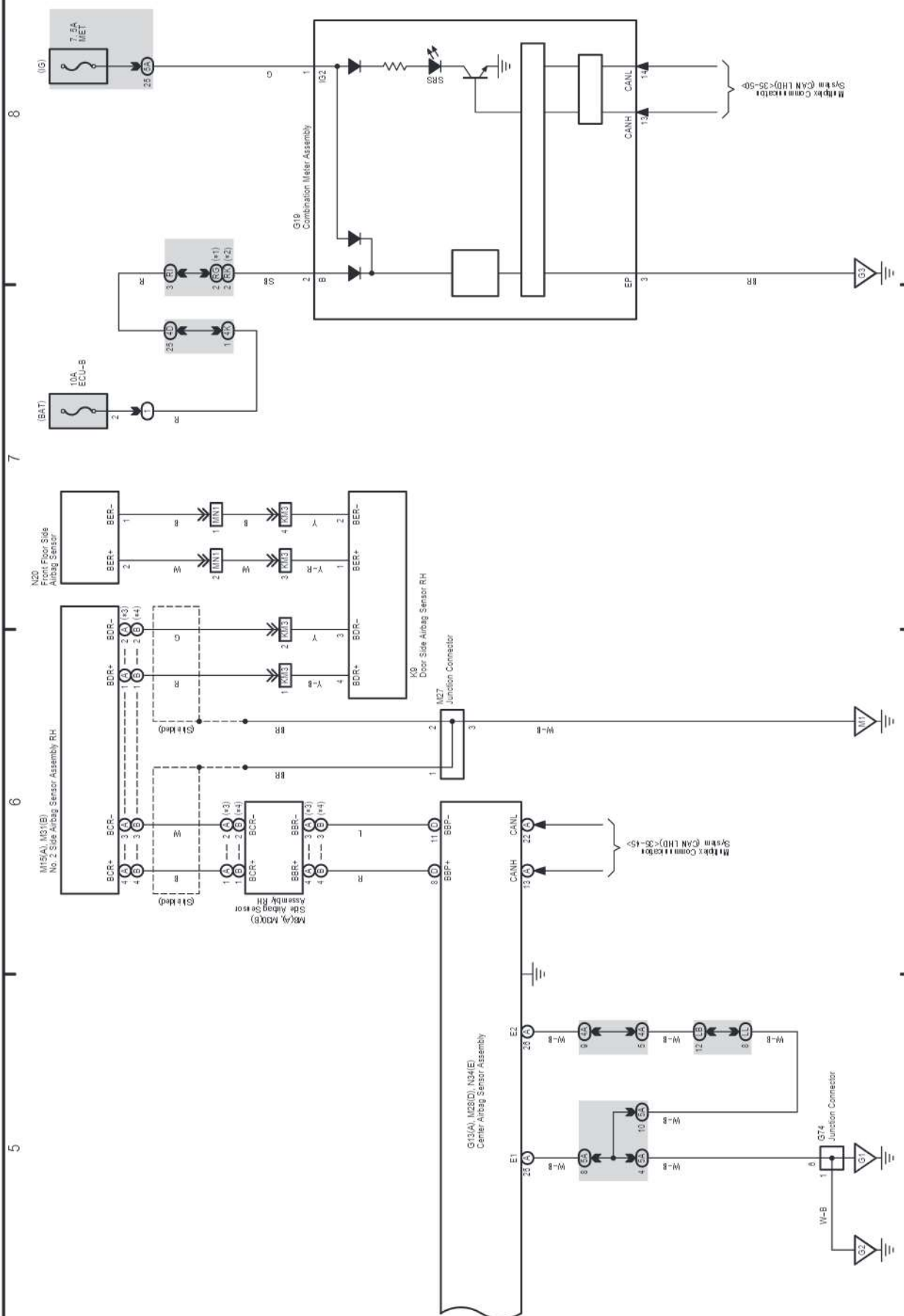
Headlight Cleaner



* 3 : Before Oct. 2011 Production
* 4 : From Oct. 2011 Production

SRS (LHD)



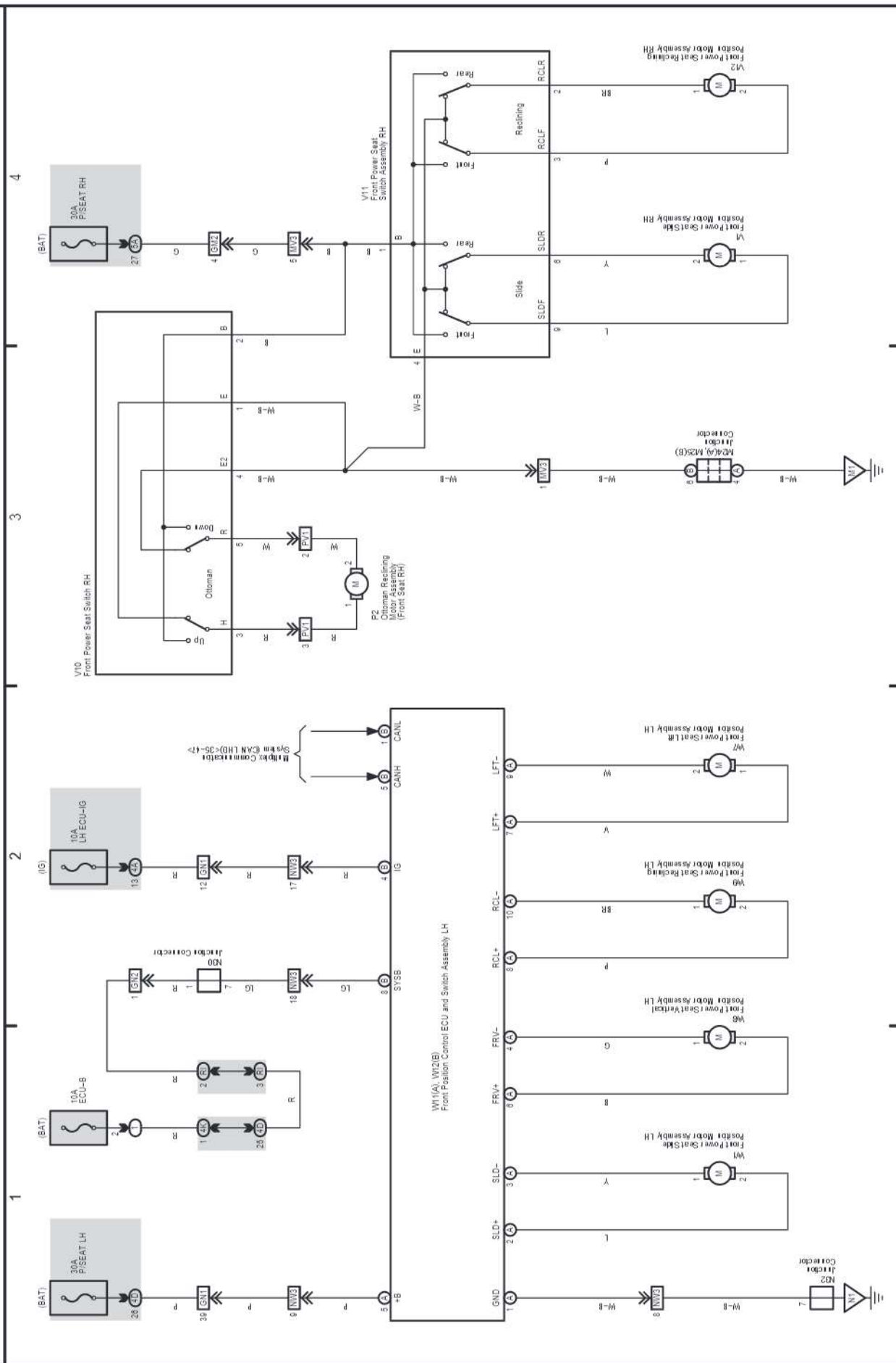


M OVERALL ELECTRICAL WIRING DIAGRAM

43 ALPHARD / VELLFIRE

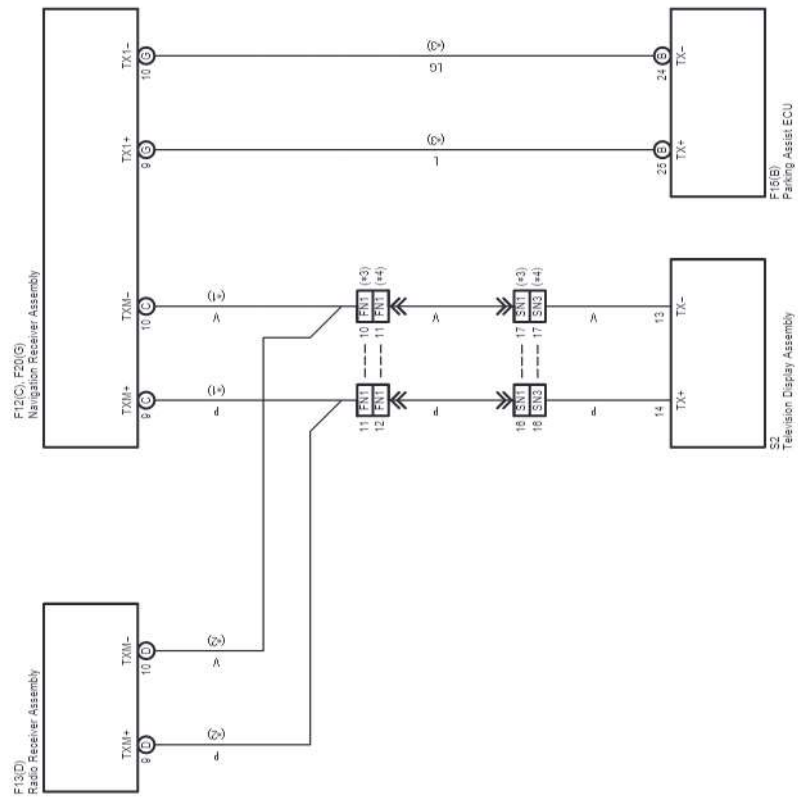
Power Seat (LHD Driver's Seat)
(Before Oct. 2011 Production)

Power Seat (LHD Front Passenger's Seat)
(Before Oct. 2011 Production)



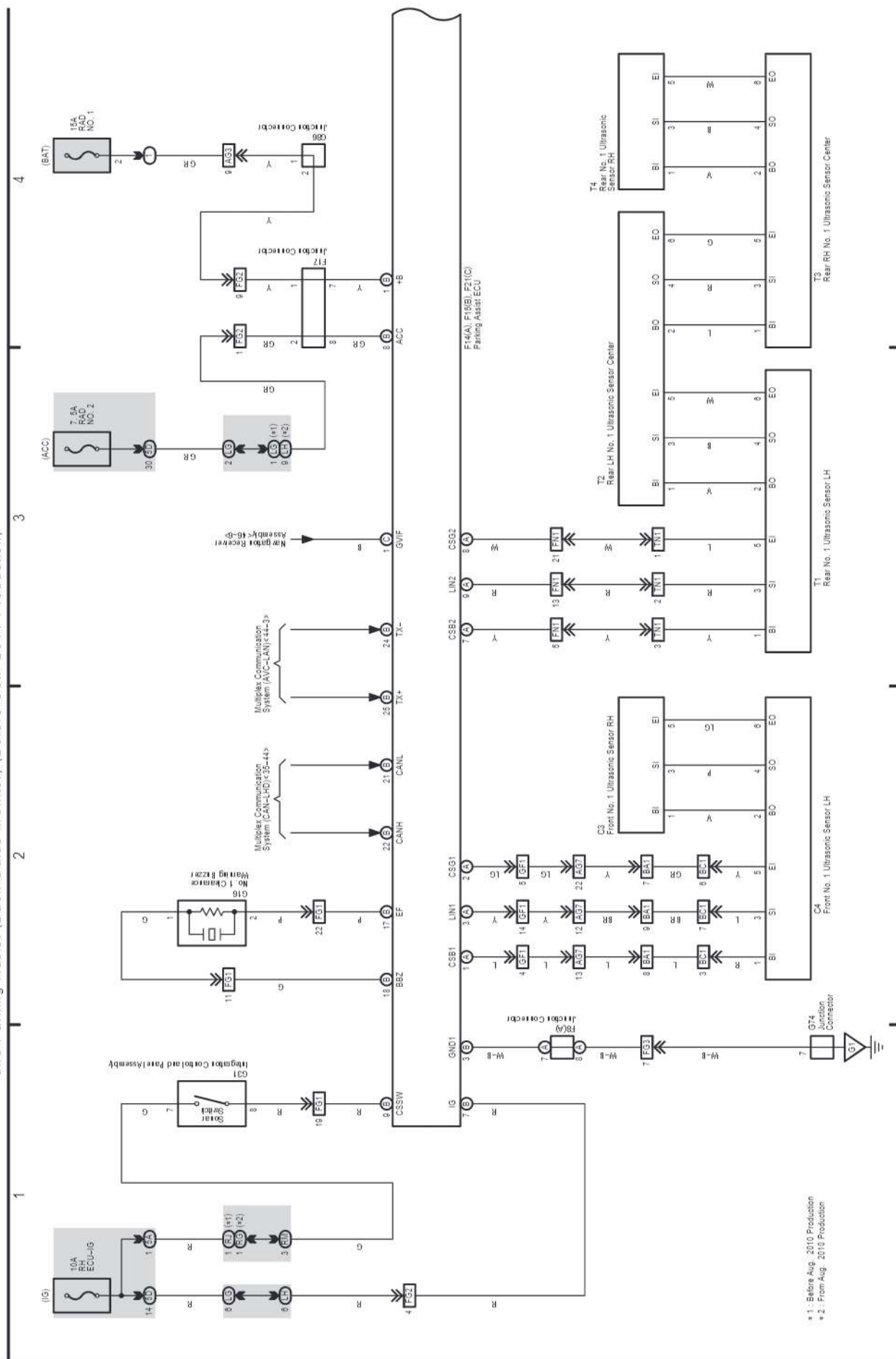
Multiplex Communication System (AVC-LAN)

- * 1 : w/ Navigation System
- * 2 : w/o Navigation System
- * 3 : Before Oct. 2011 Production
- * 4 : From Oct. 2011 Production



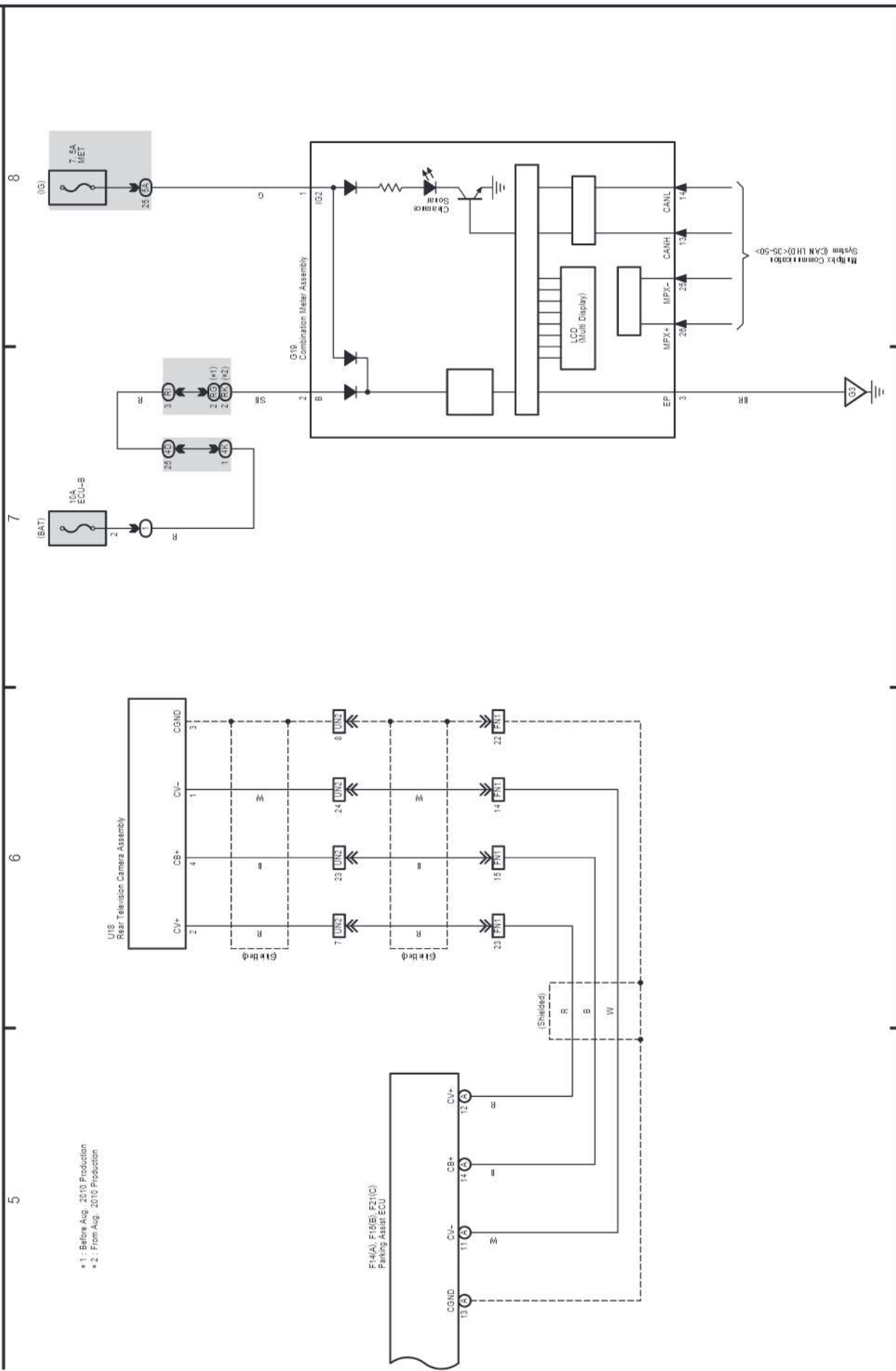
M OVERALL ELECTRICAL WIRING DIAGRAM

Parking Assist (TOYOTA Parking Assist—Sensor) (w/ Back Guide Monitor Before Oct. 2011 Production) and Parking Assist (Back Guide Monitor) (Before Oct. 2011 Production)



* 1 : Before Aug. 2010 Production
* 2 : From Aug. 2010 Production

Parking Assist (TOYOTA Parking Assist-Sensor) (w/ Back Guide Monitor Before Oct. 2011 Production)
and Parking Assist (Back Guide Monitor) (Before Oct. 2011 Production)



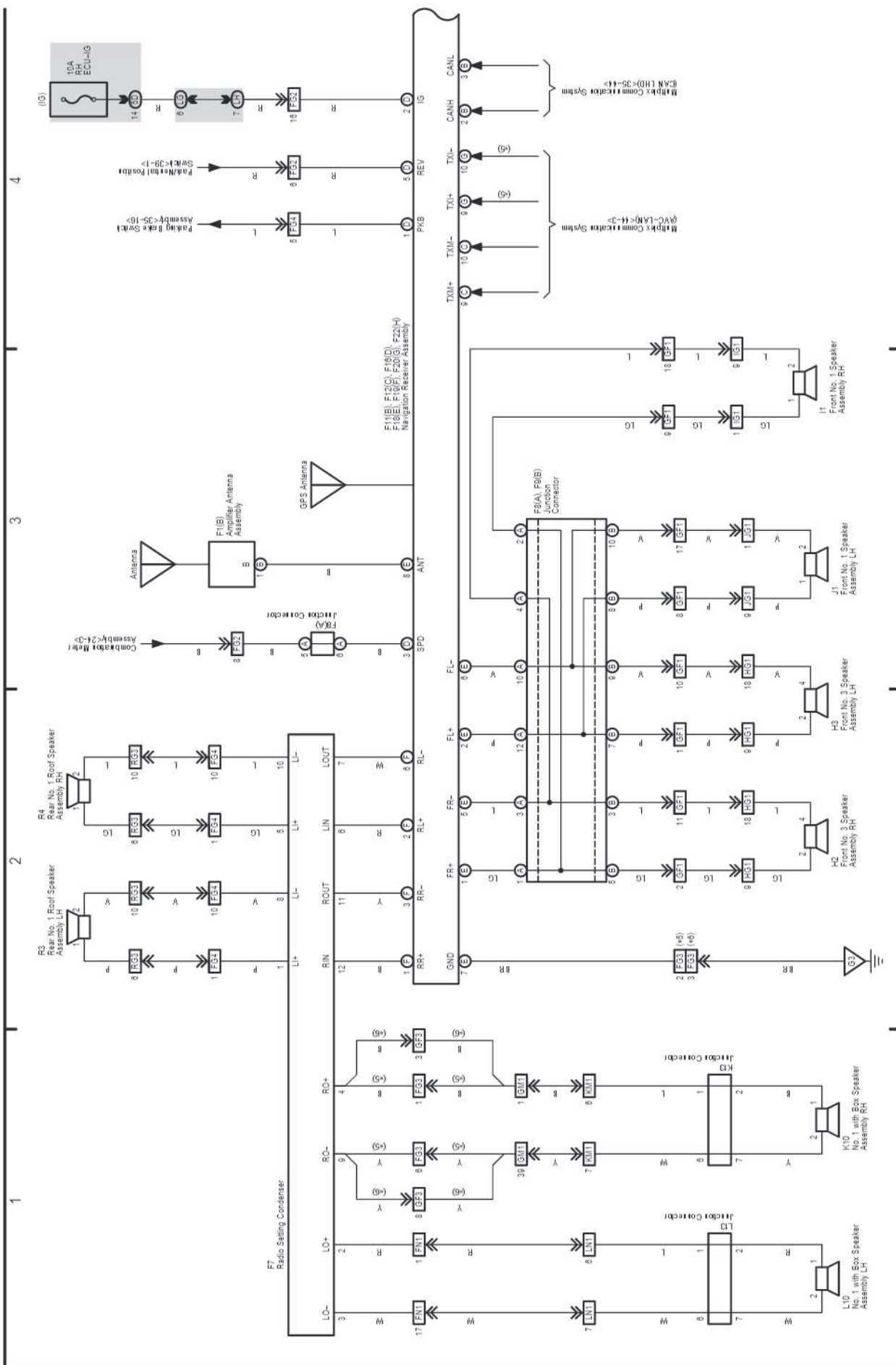
M OVERALL ELECTRICAL WIRING DIAGRAM

46 ALPHARD / VELLFIRE

(Cont. next page)

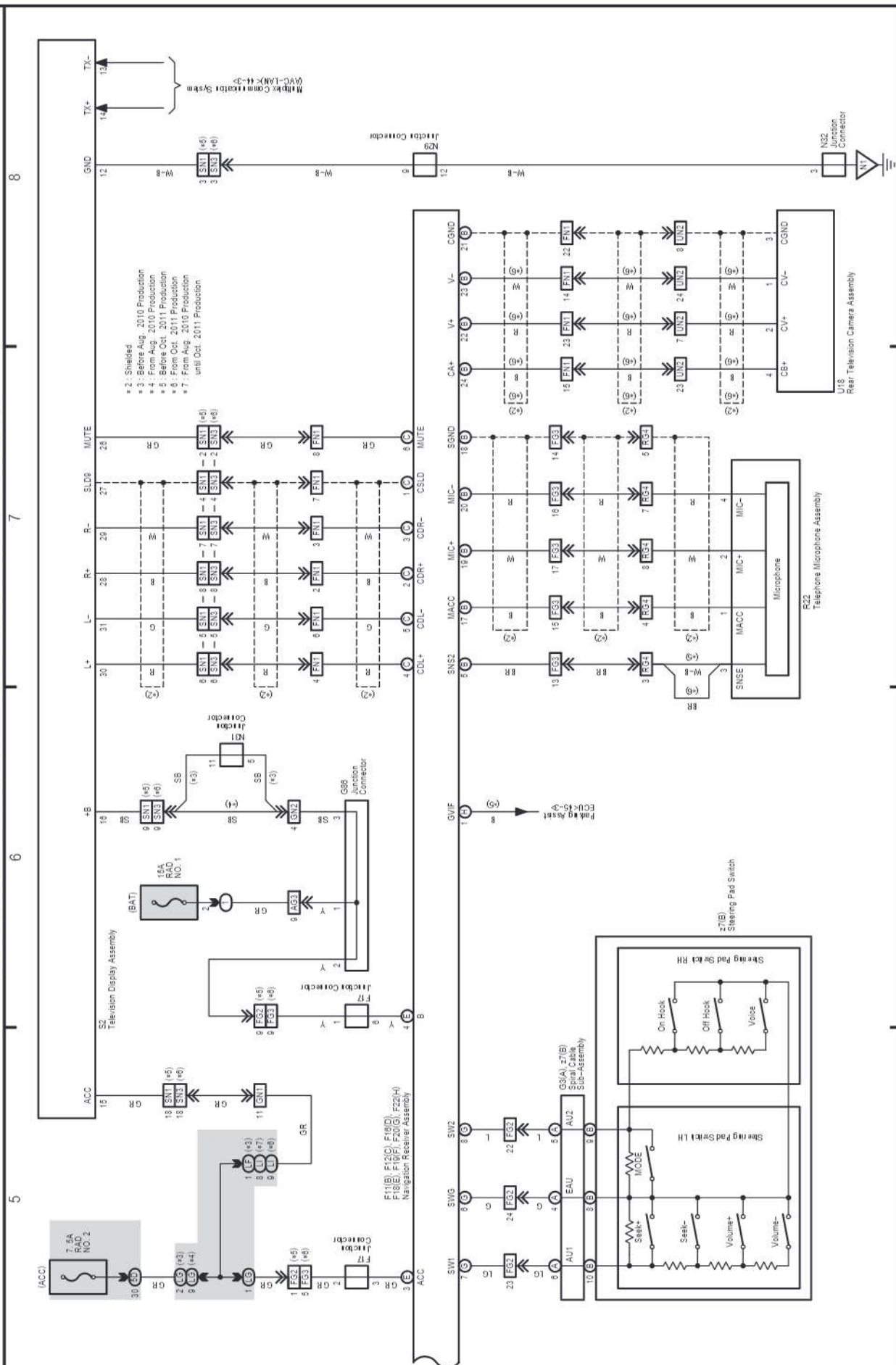
Audio System (LHD & Speaker w/ Navigation System),
Navigation System (LHD & Speaker) and Parking Assist (Rear View Monitor)

* 5 : Before Oct. 2011 Production
* 6 : From Oct. 2011 Production



ALPHARD / VELLFIRE (EM08Z5E)

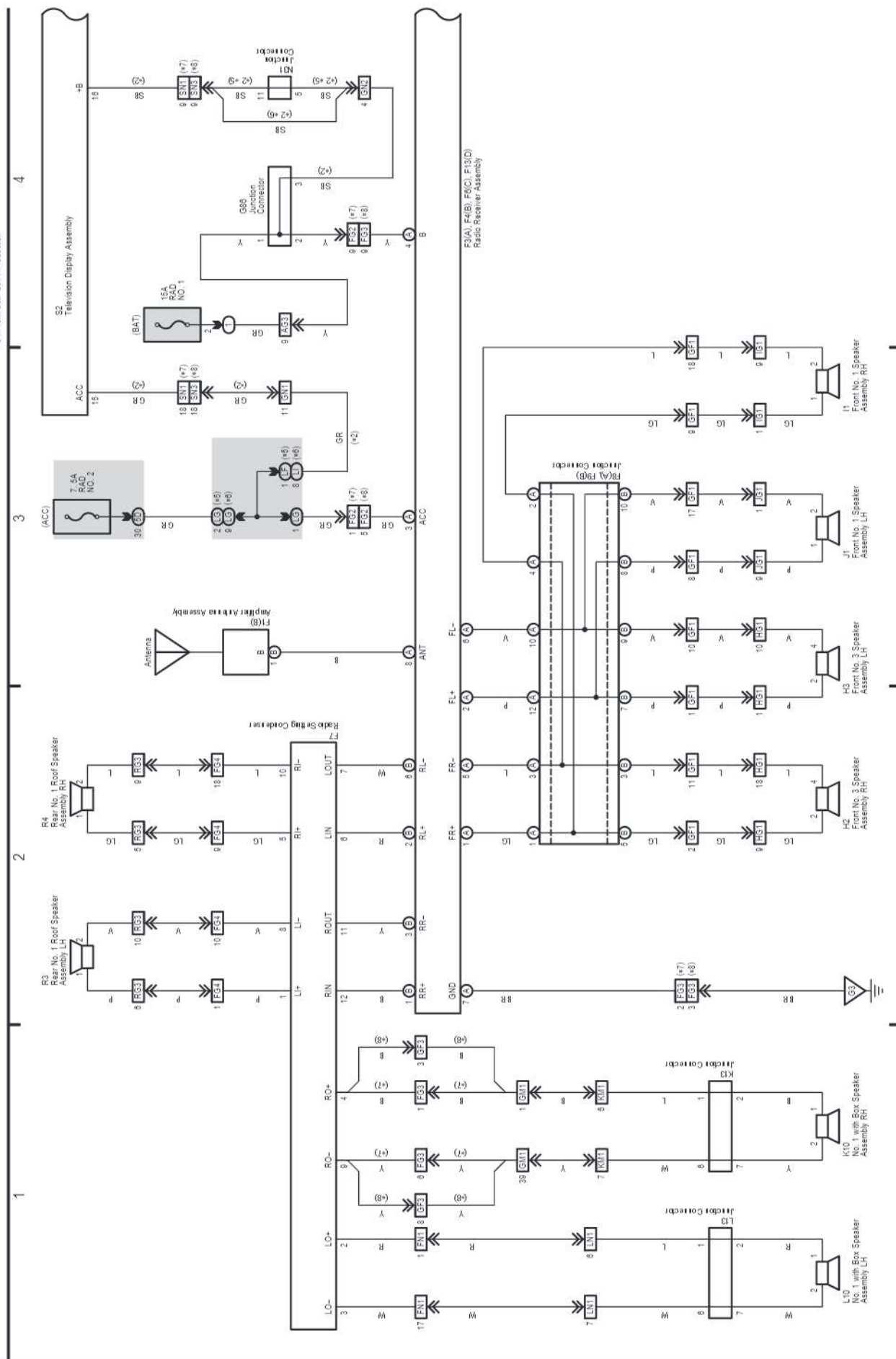
Audio System (LHD 8 Speaker w/ Navigation System),
Navigation System (LHD 8 Speaker) and Parking Assist (Rear View Monitor)



M OVERALL ELECTRICAL WIRING DIAGRAM

2 : w/ Rear Display
5 : Before Aug. 2010 Production
6 : From Aug. 2010 Production
7 : Before Oct. 2011 Production
8 : From Oct. 2011 Production

Audio System (LHD) (w/o Navigation System)



8

- * 2 : w/ Rear Display
- * 3 : Shielded
- * 4 : w/ Steering Pad Switch
- * 7 : Before Oct. 2011 Production
- * 8 : From Oct. 2011 Production



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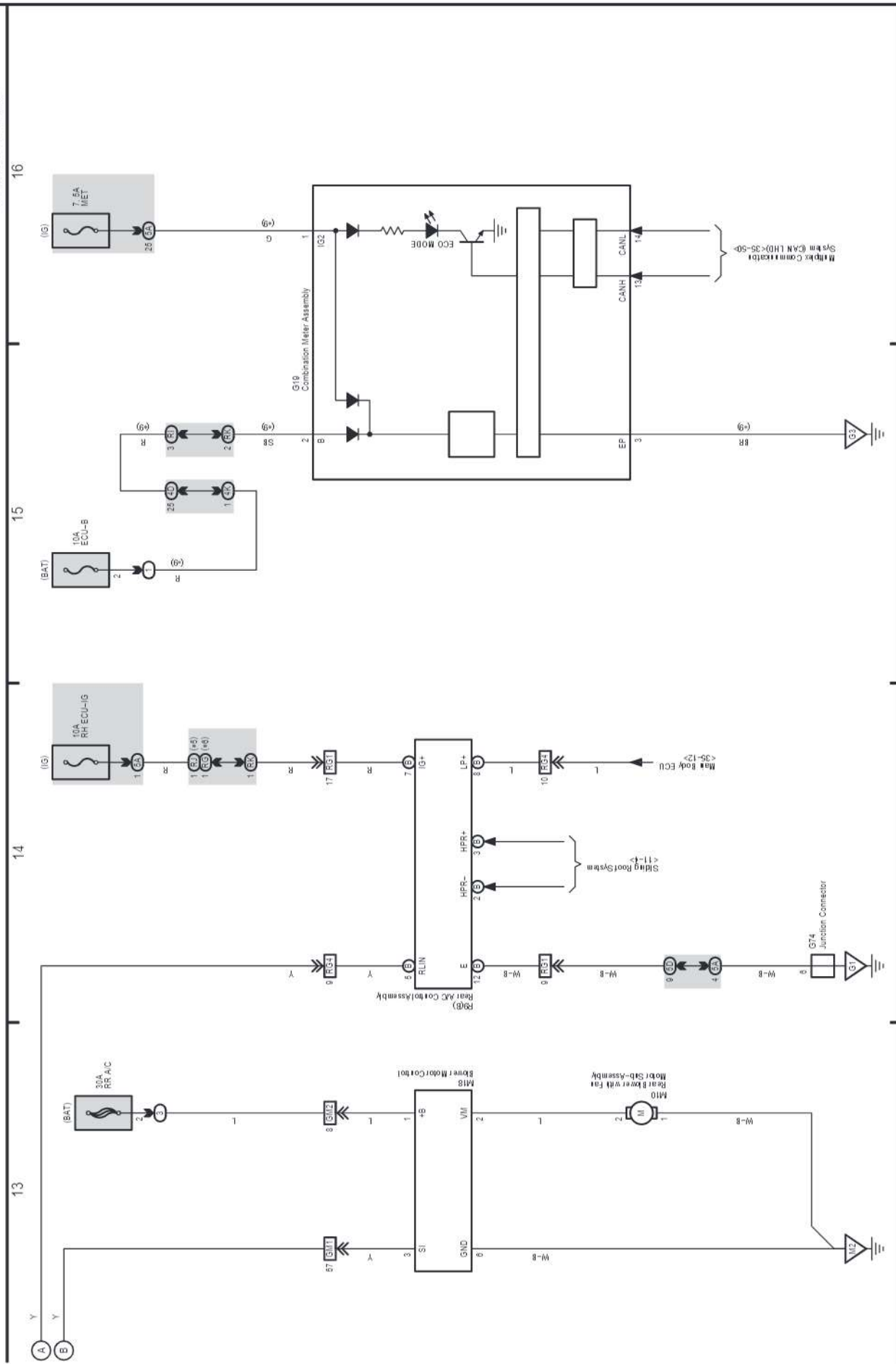


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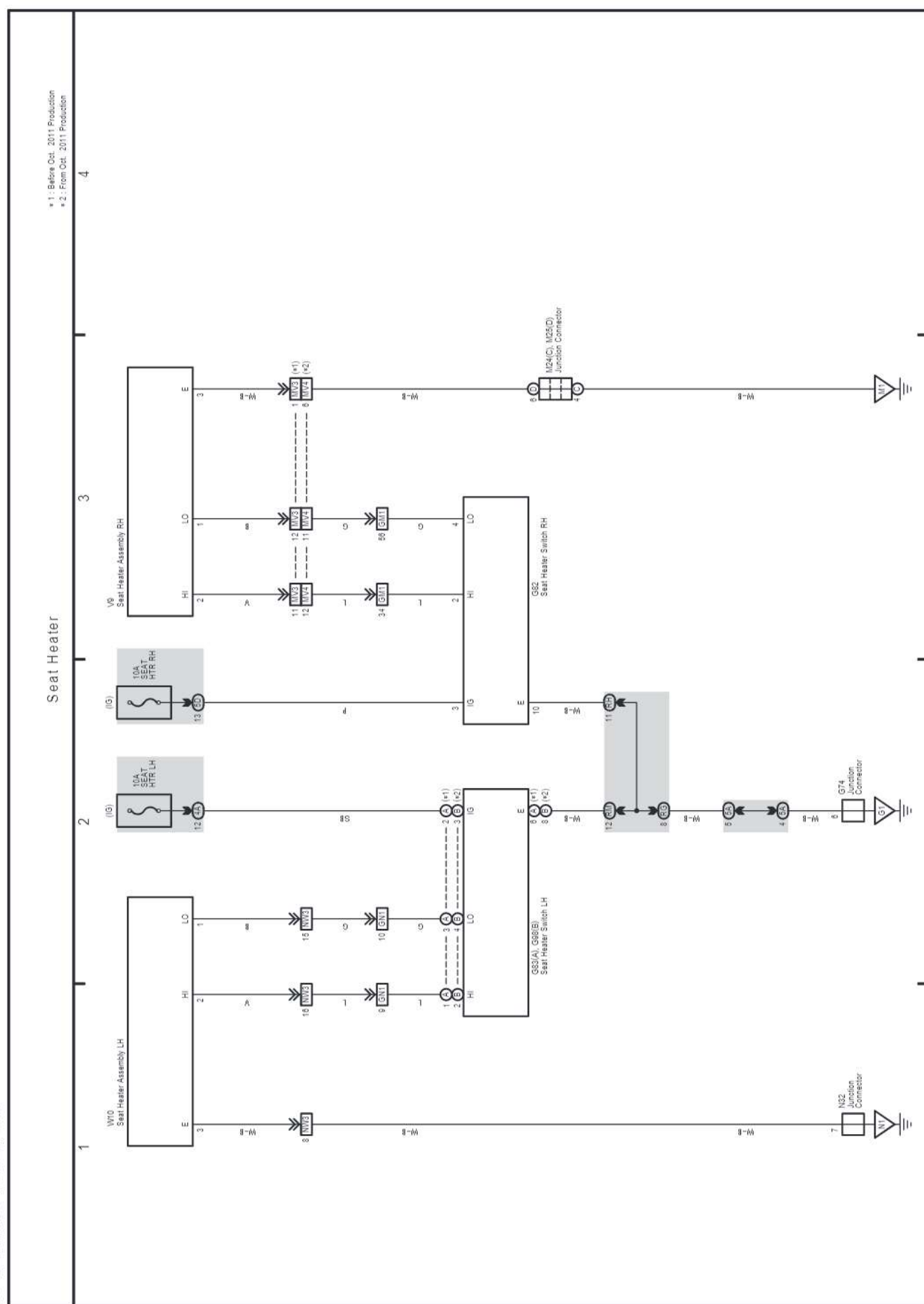
* 5 : Before Aug. 2010 Production
* 6 : From Aug. 2010 Production
* 9 : From Oct. 2011 Production

Air Conditioner (LHD)



M OVERALL ELECTRICAL WIRING DIAGRAM

49 ALPHARD / VELLFIRE



ALPHARD / VELLFIRE (EM08Z5E)

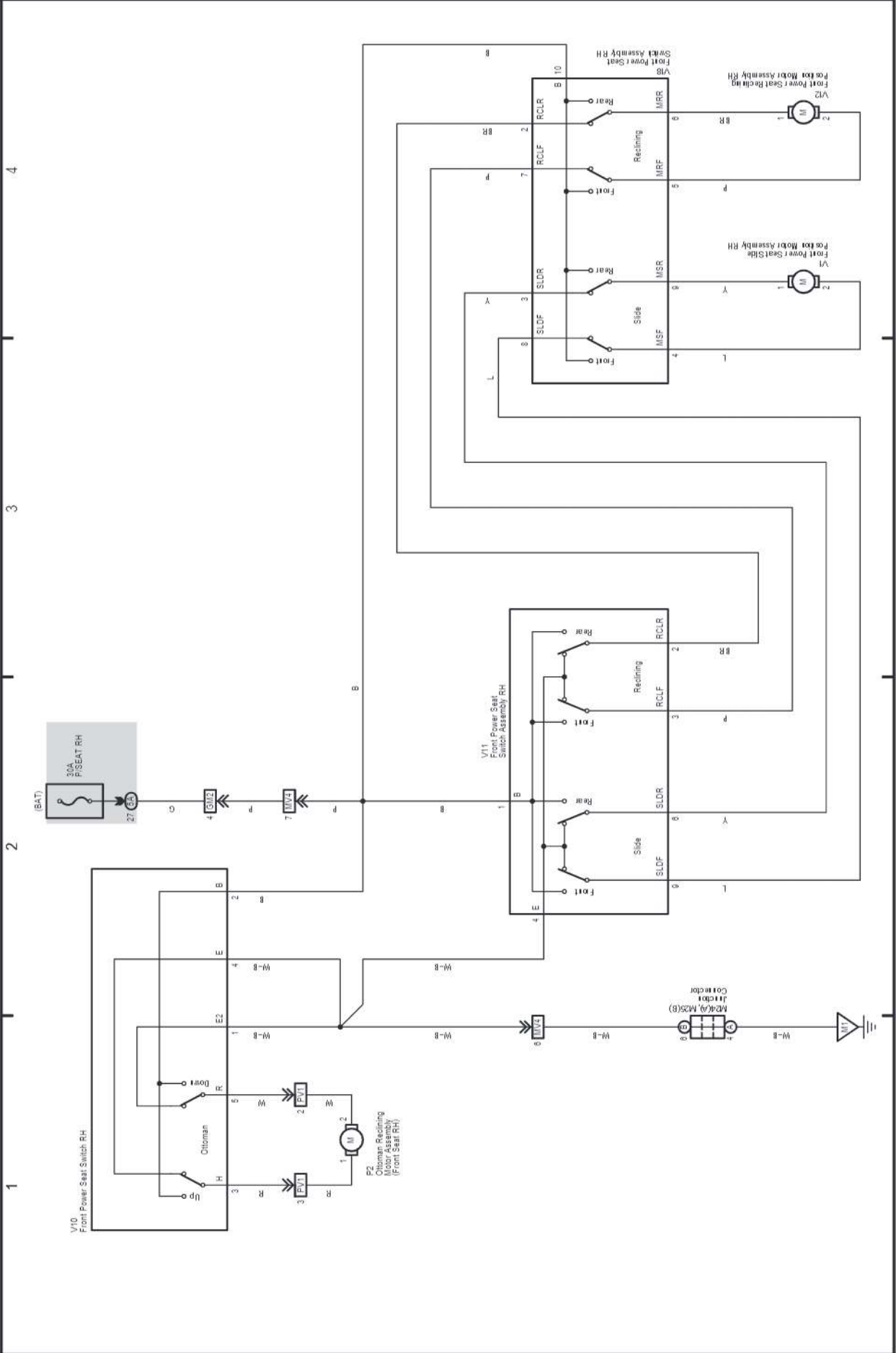
4



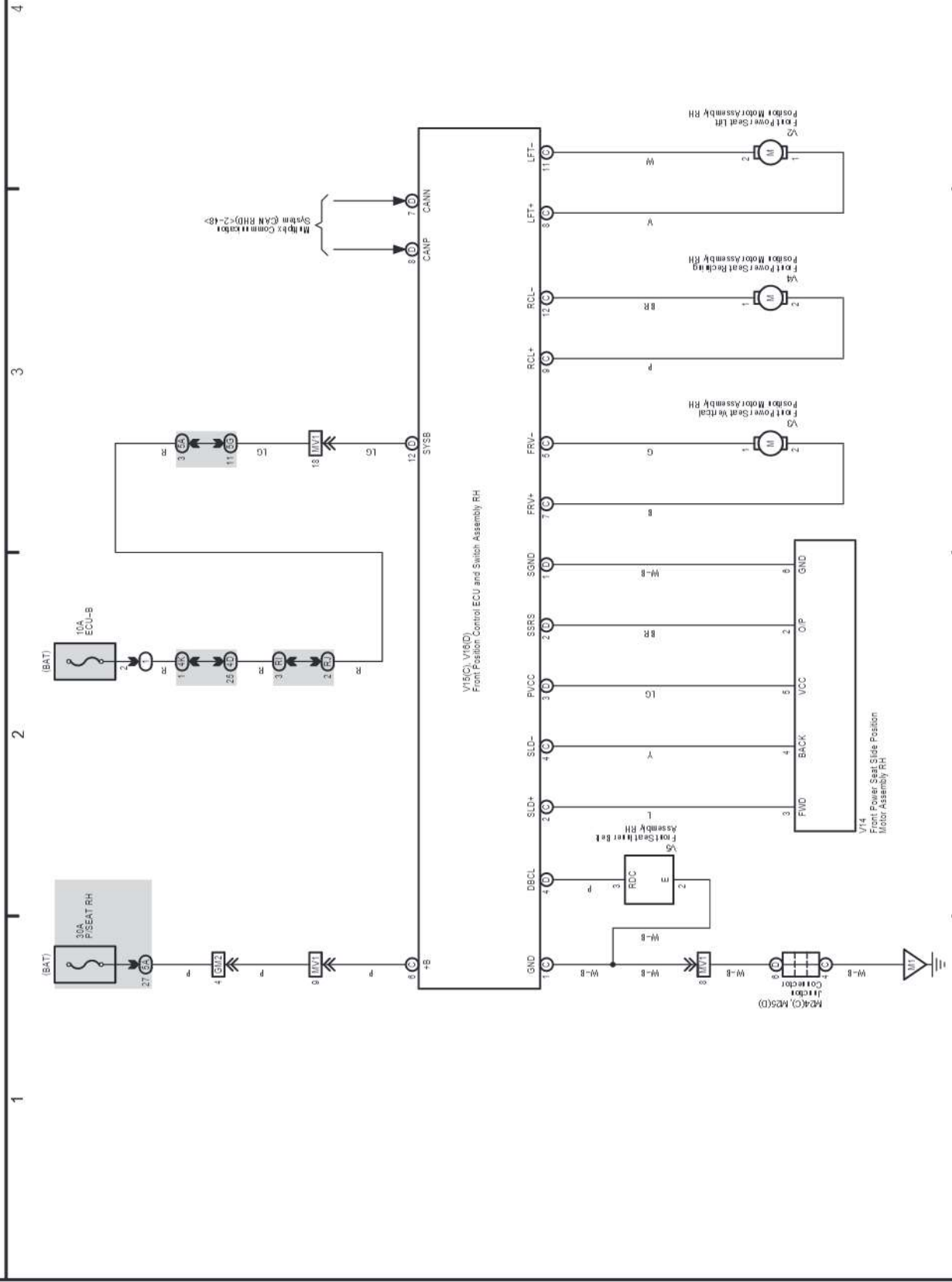
M OVERALL ELECTRICAL WIRING DIAGRAM

51 ALPHARD / VELLFIRE

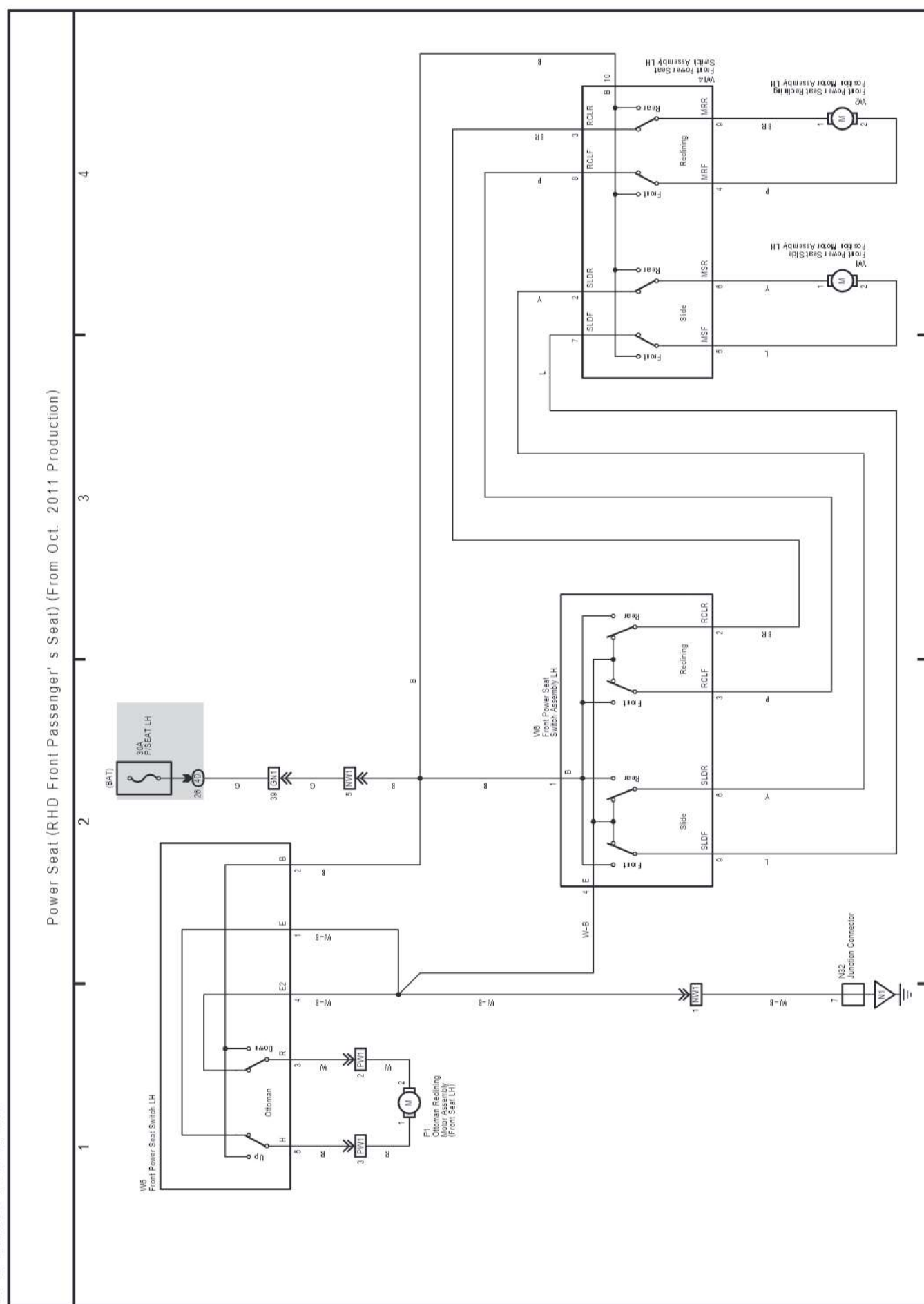
Power Seat (LHD Front Passenger's Seat) (From Oct. 2011 Production)



Power Seat (RHD Driver' s Seat) (From Oct. 2011 Production)



M OVERALL ELECTRICAL WIRING DIAGRAM

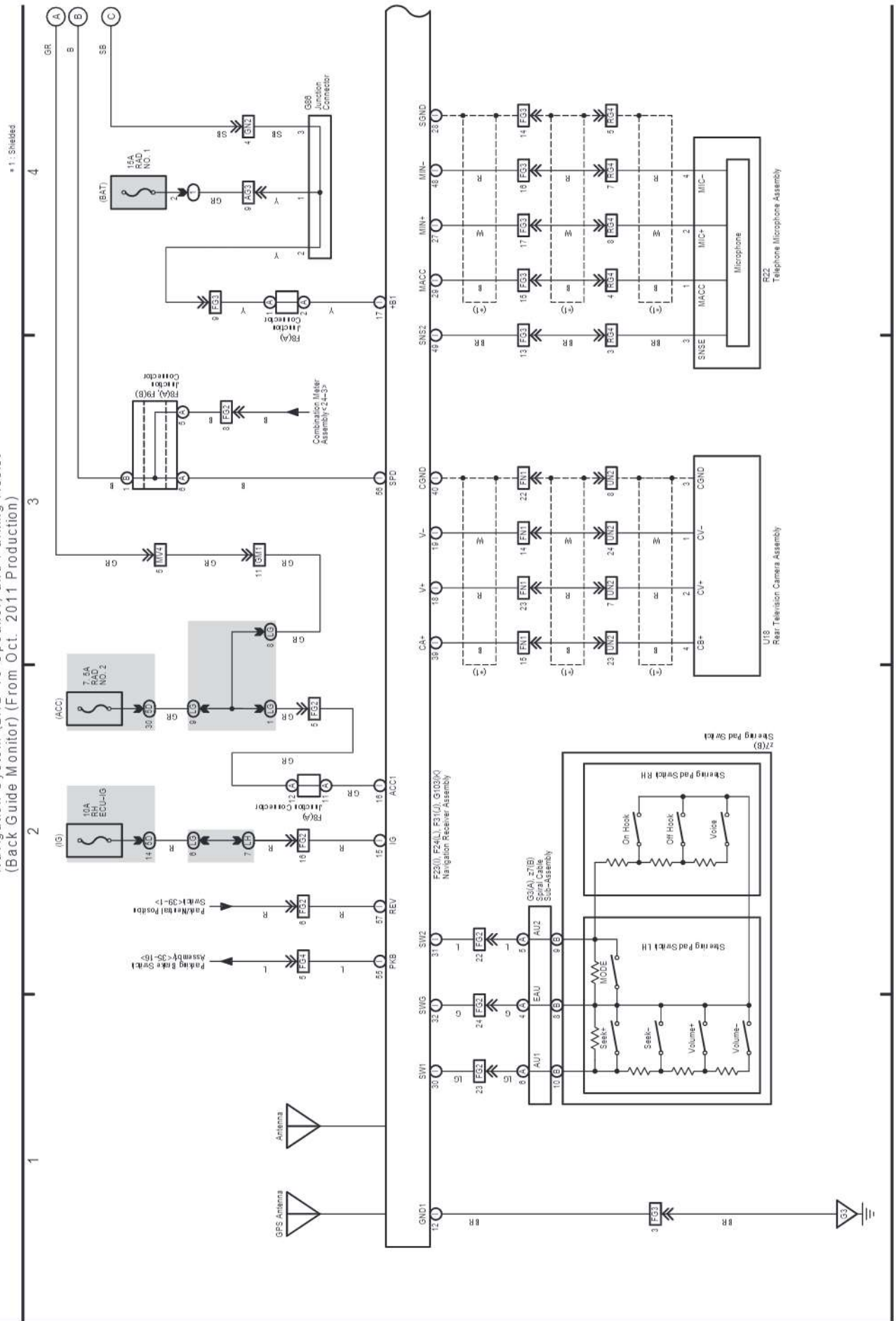


M OVERALL ELECTRICAL WIRING DIAGRAM

54 ALPHARD / VELLFIRE

(Cont. next page)

Audio System (LHD 18 Speaker w/ Navigation System),
Navigation System (LHD 18 Speaker) and Parking Assist
(Back Guide Monitor) (From Oct. 2011 Production)

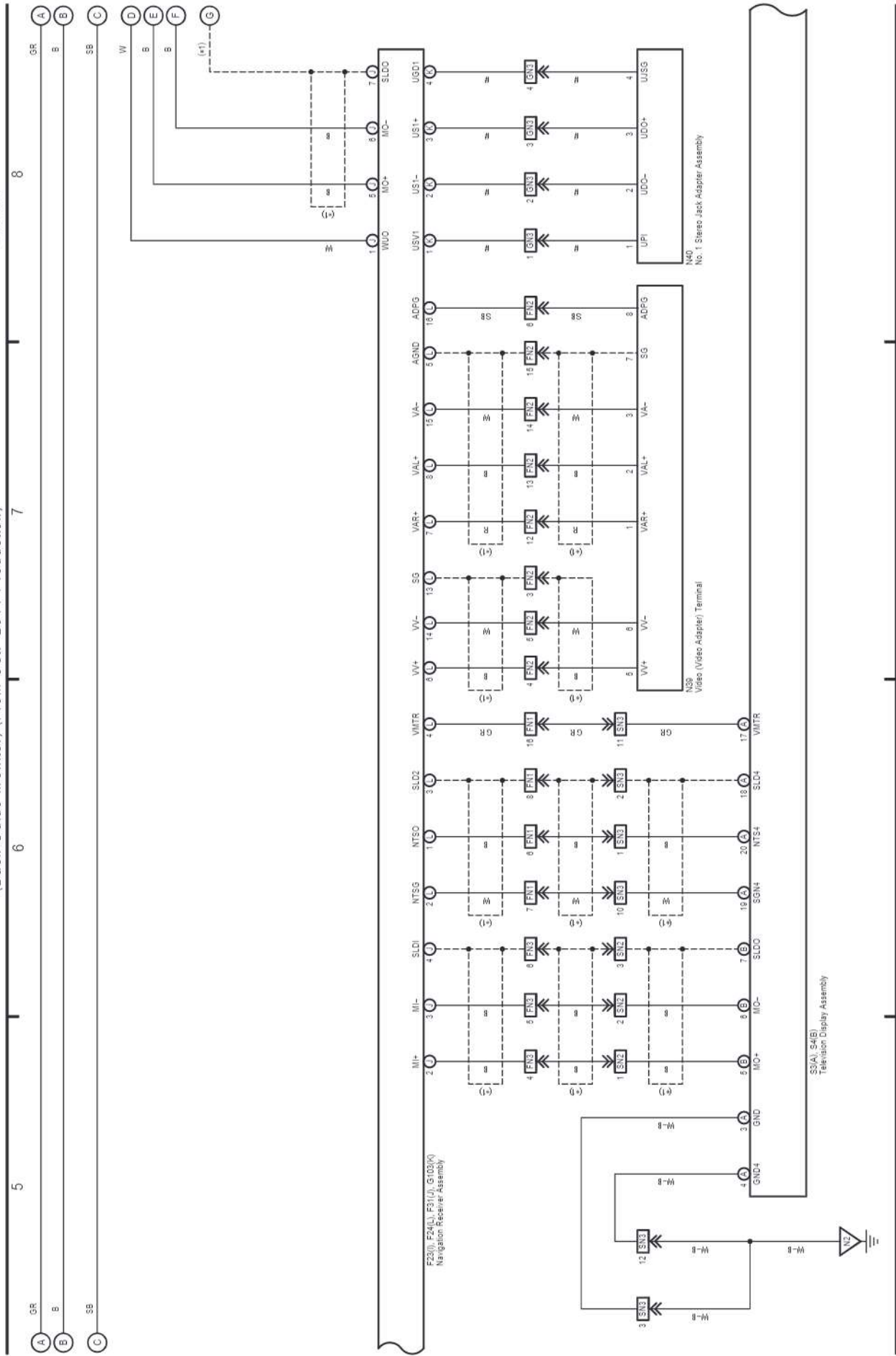


ALPHARD / VELLFIRE (EM08Z5E)

Audio System (LHD 18 Speaker w/ Navigation System),
Navigation System (LHD 18 Speaker) and Parking Assist
(Back Guide Monitor) (From Oct. 2011 Production)

: There is no wire color information.

* 1 : Shielded

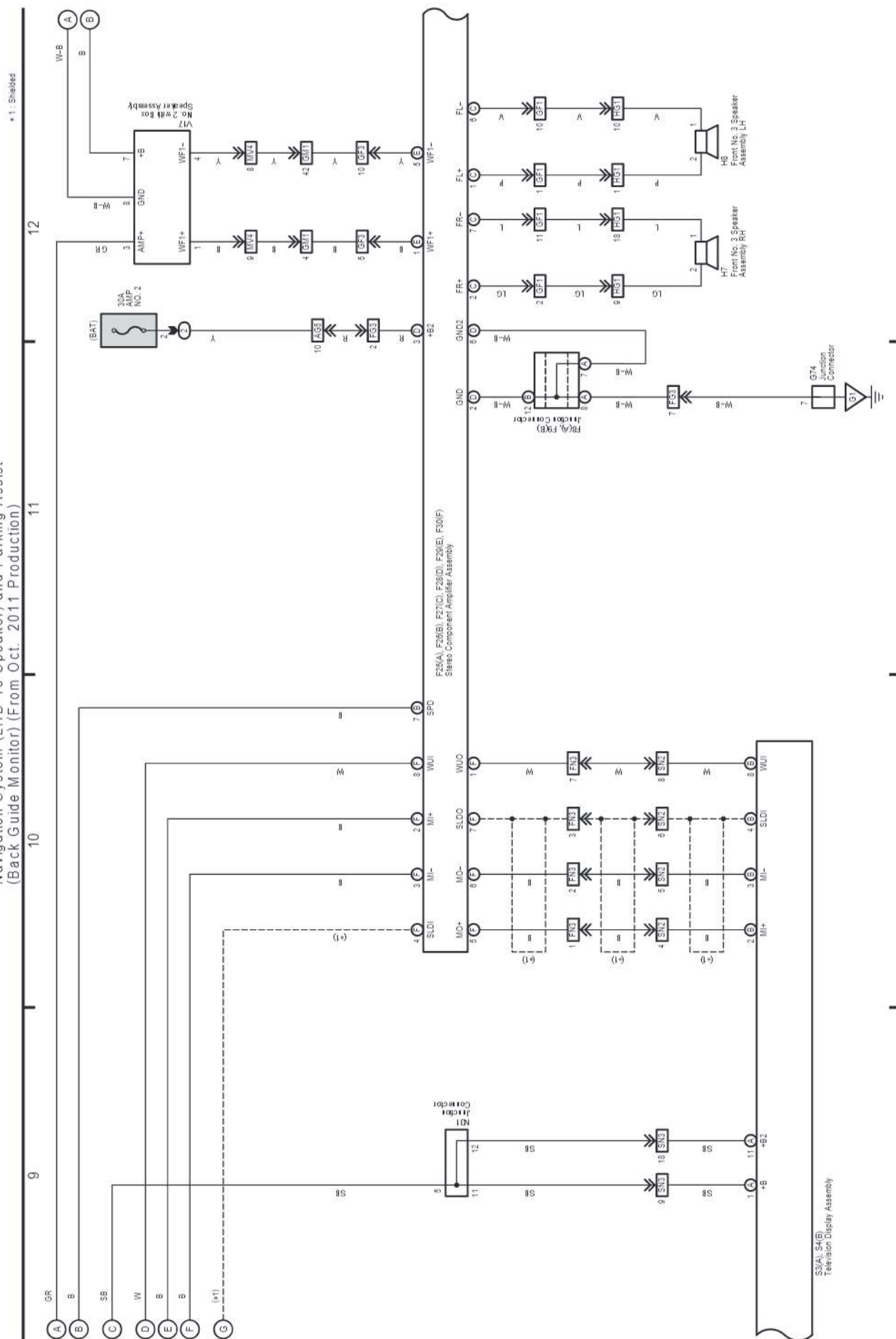


M OVERALL ELECTRICAL WIRING DIAGRAM

54 ALPHARD / VELLFIRE (Cont' d)

(Cont. next page)

Audio System (LHD 18 Speaker w/ Navigation System),
Navigation System (LHD 18 Speaker) and Parking Assist
(Back Guide Monitor) (From Oct. 2011 Production)



ALPHARD / VELLFIRE (EM08Z5E)

16

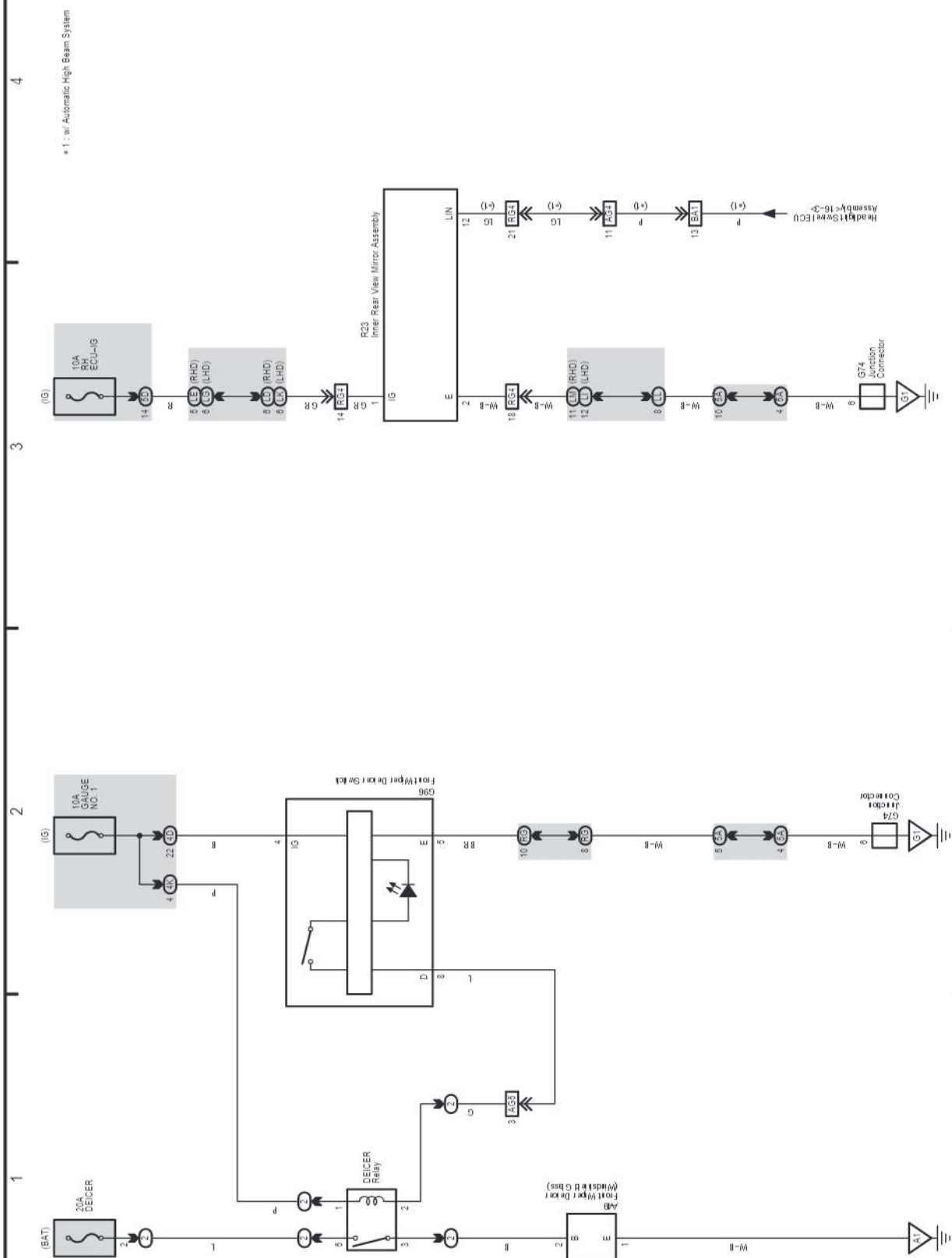


M OVERALL ELECTRICAL WIRING DIAGRAM

55 ALPHARD / VELLFIRE

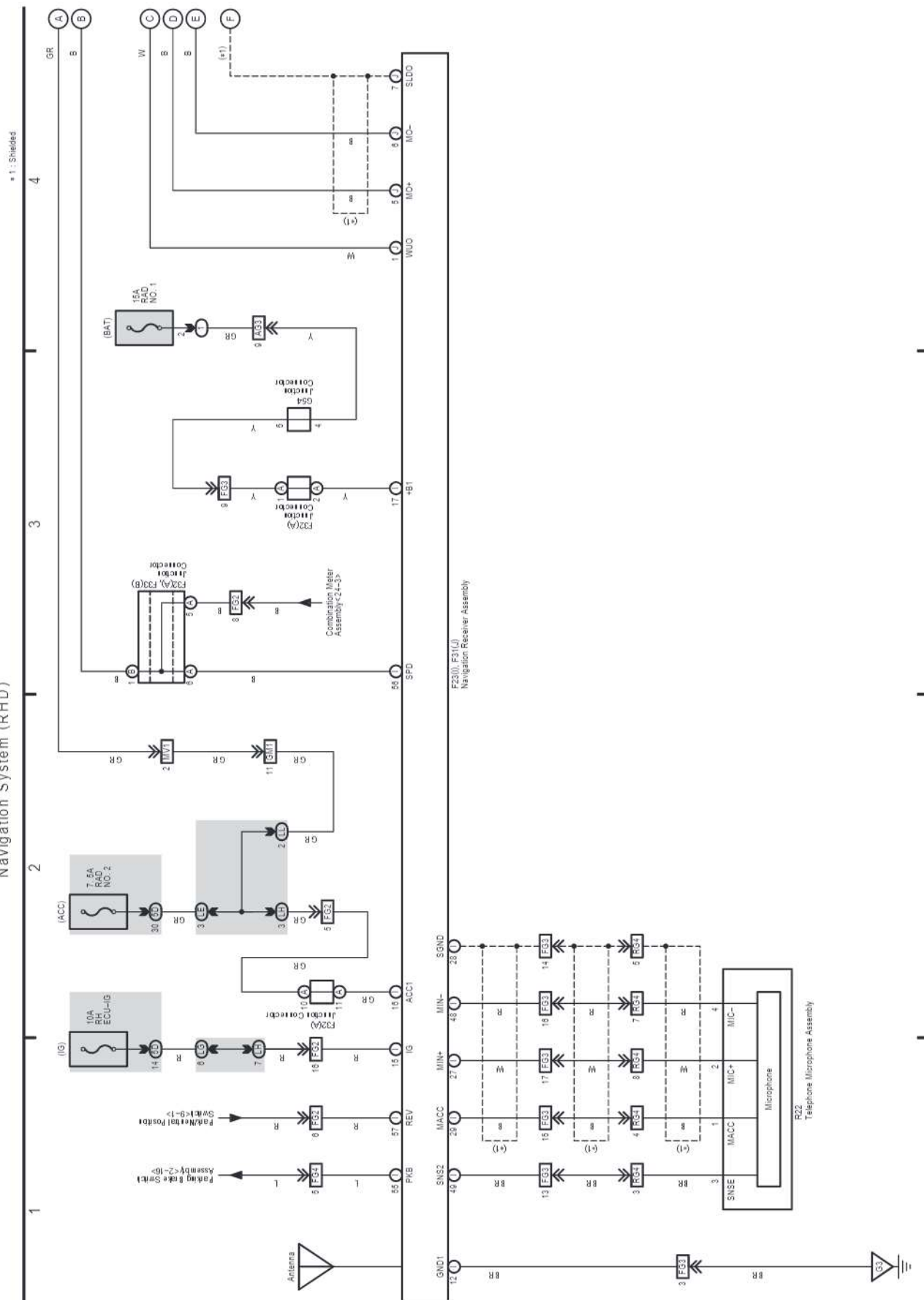
Front Window Deicer

Automatic Glare-Resistant EC Mirror

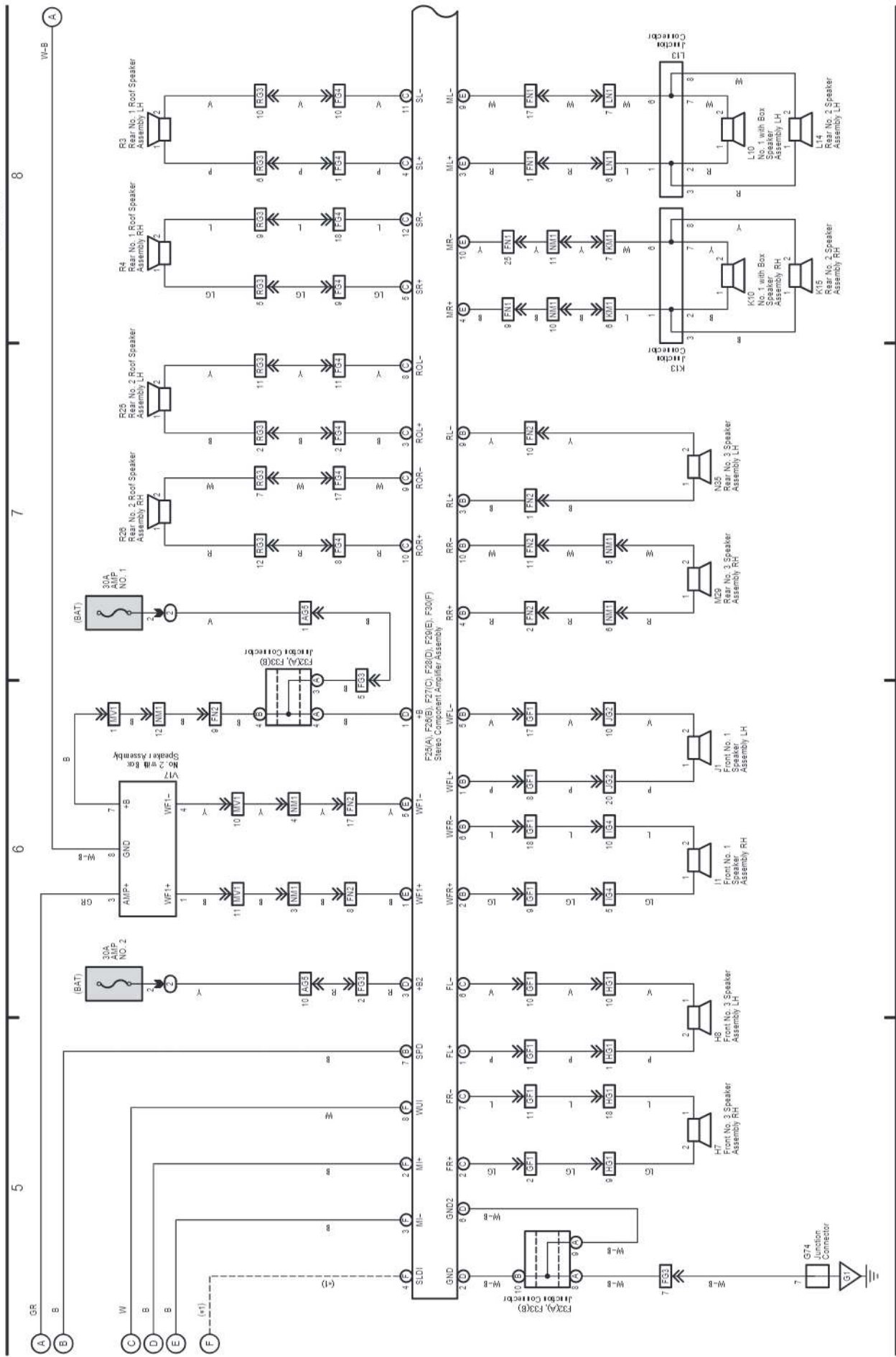


ALPHARD / VELLFIRE (EM08Z5E)

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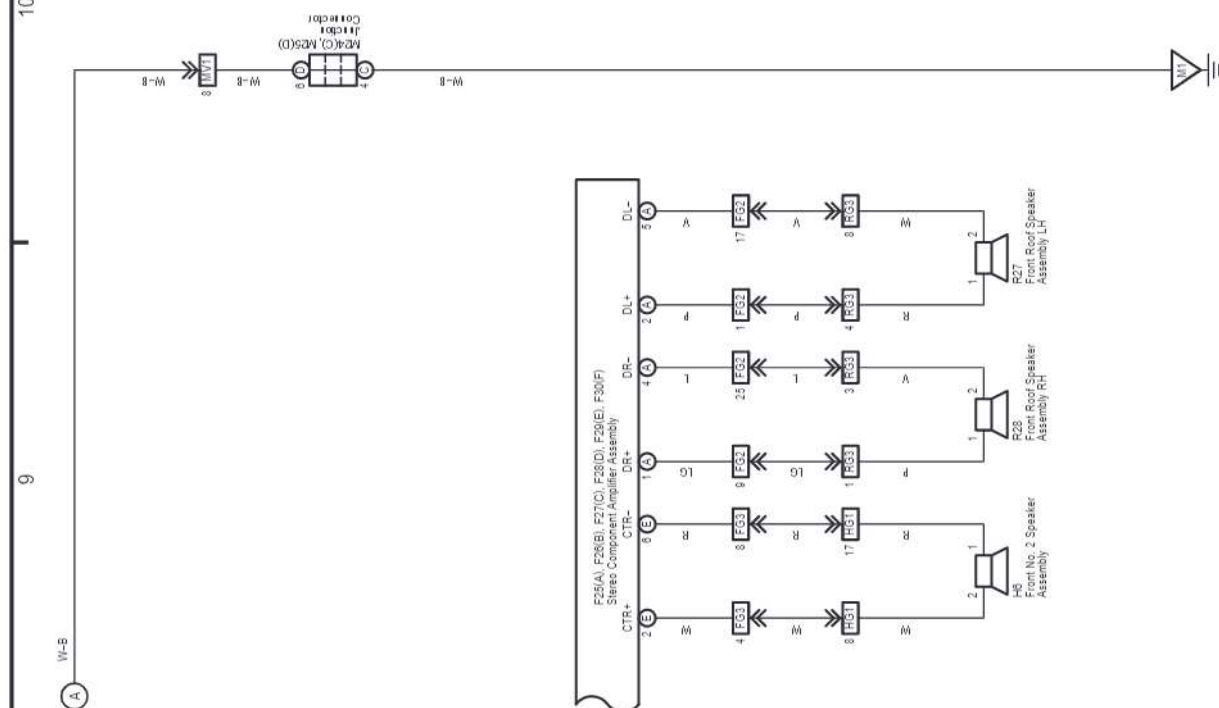
Audio System (RHD w/ Navigation System) and Navigation System (RHD)



M OVERALL ELECTRICAL WIRING DIAGRAM

56 ALPHARD / VELLFIRE (Cont' d)

Audio System (RHD w/ Navigation System) and Navigation System (RHD)



ALPHARD / VELLFIRE (EM08Z5E)

