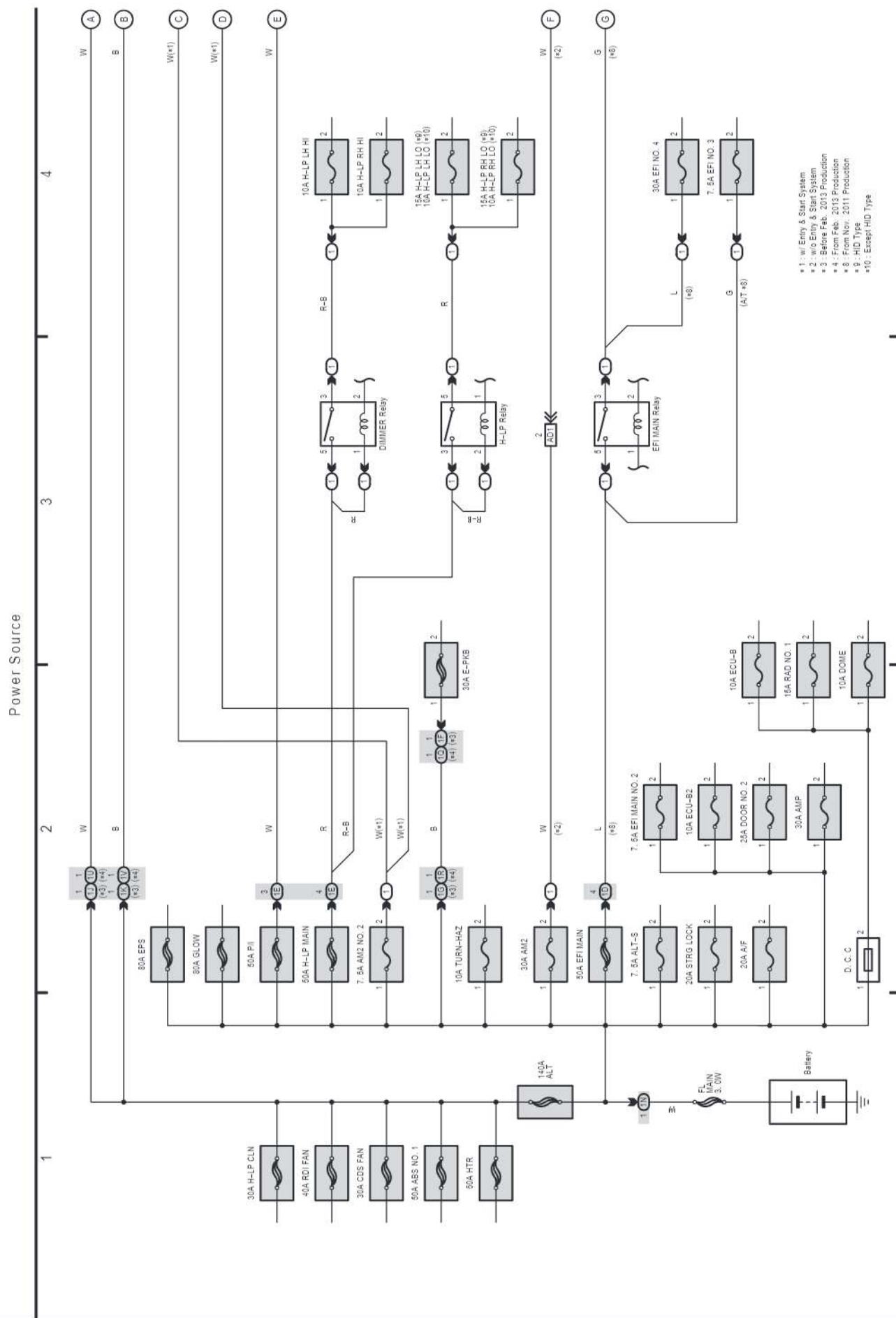


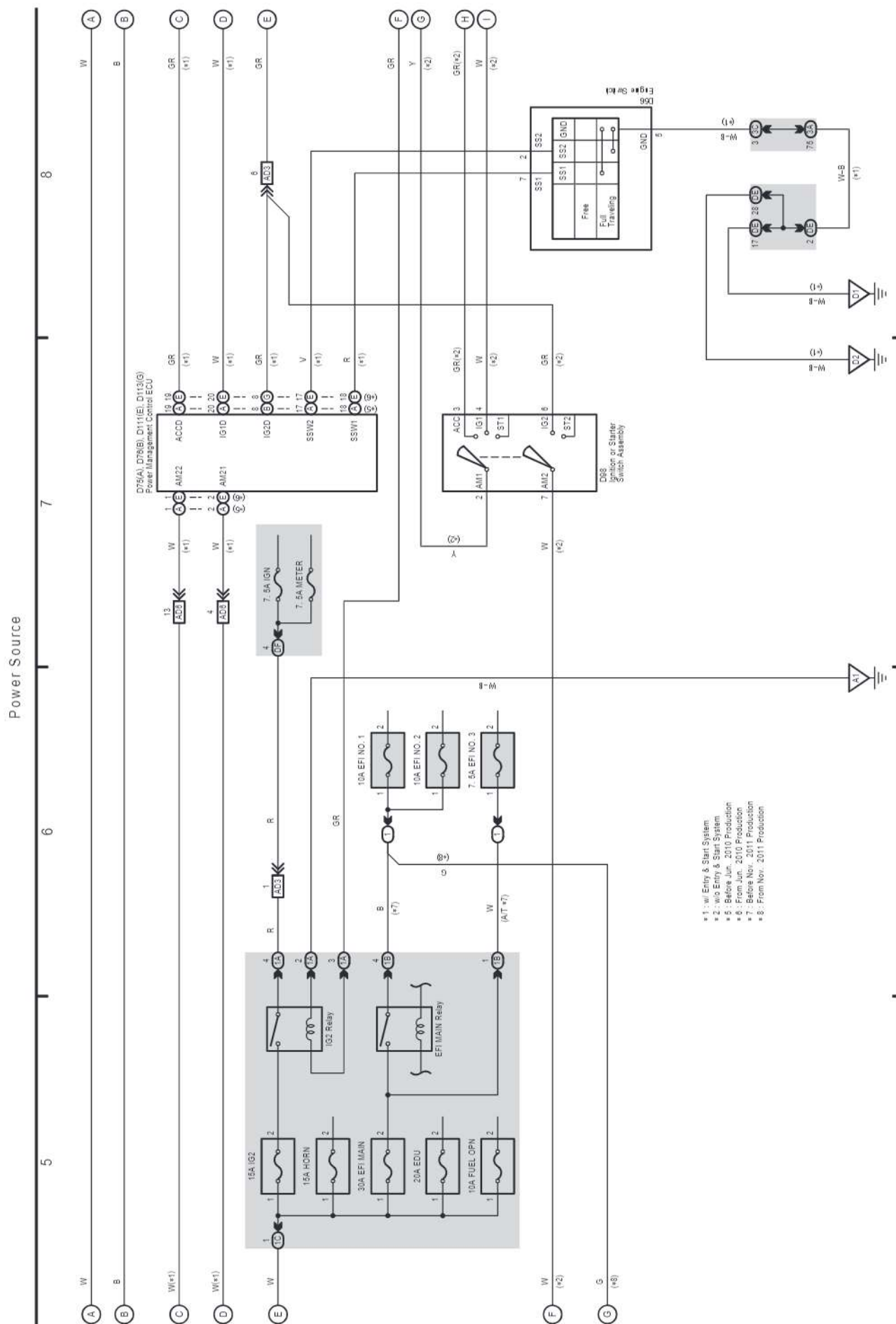
M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

1 AVENSIS



AVENSIS (EM11S4E)



* 1 : w/ Entry & Start System
* 2 : w/o Entry & Start System
* 5 : Before Jun. 2010 Production
* 6 : From Jun. 2010 Production

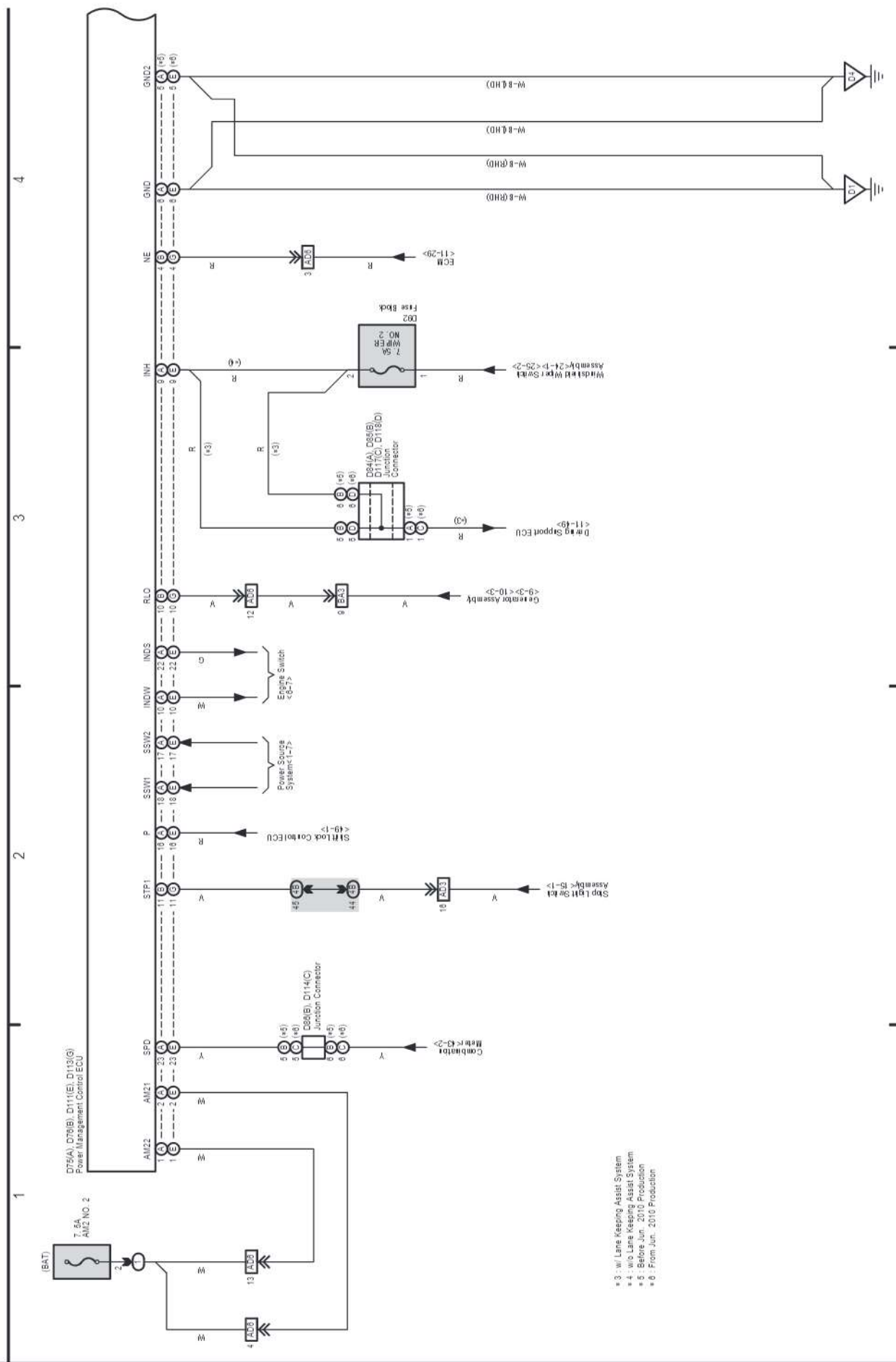


M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

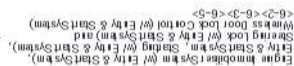
2 AVENSIS

Electric Power Control System (w/ Entry & Start System)



AVENSIS (EM11S4E)

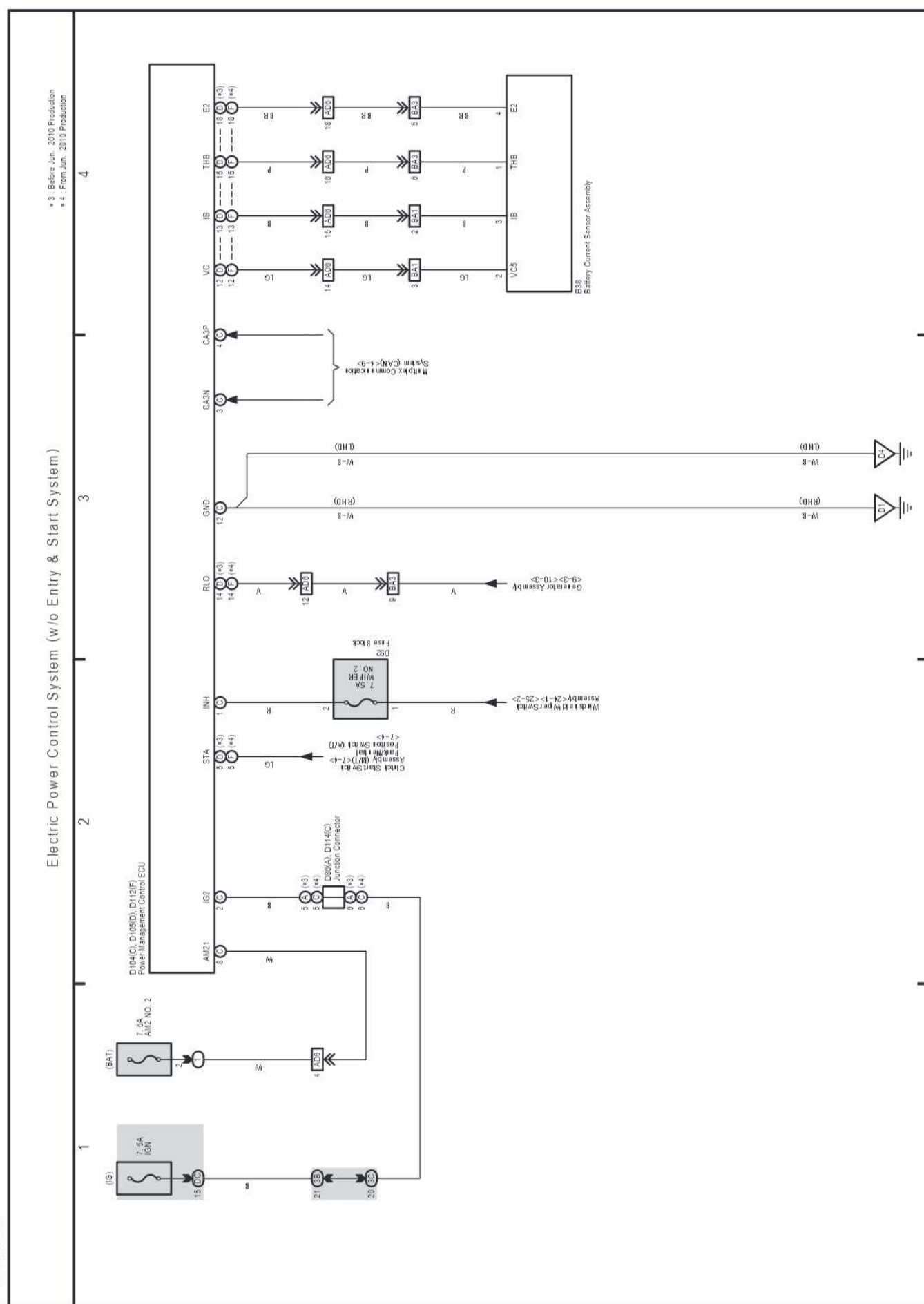
* 5 : Before Jun. 2010 Production
* 6 : From Jun. 2010 Production



Math:px Comm:1:cat:1
System (C)AN<4-7><4-8><4-9><4-10>

M OVERALL ELECTRICAL WIRING DIAGRAM

3 AVENSIS



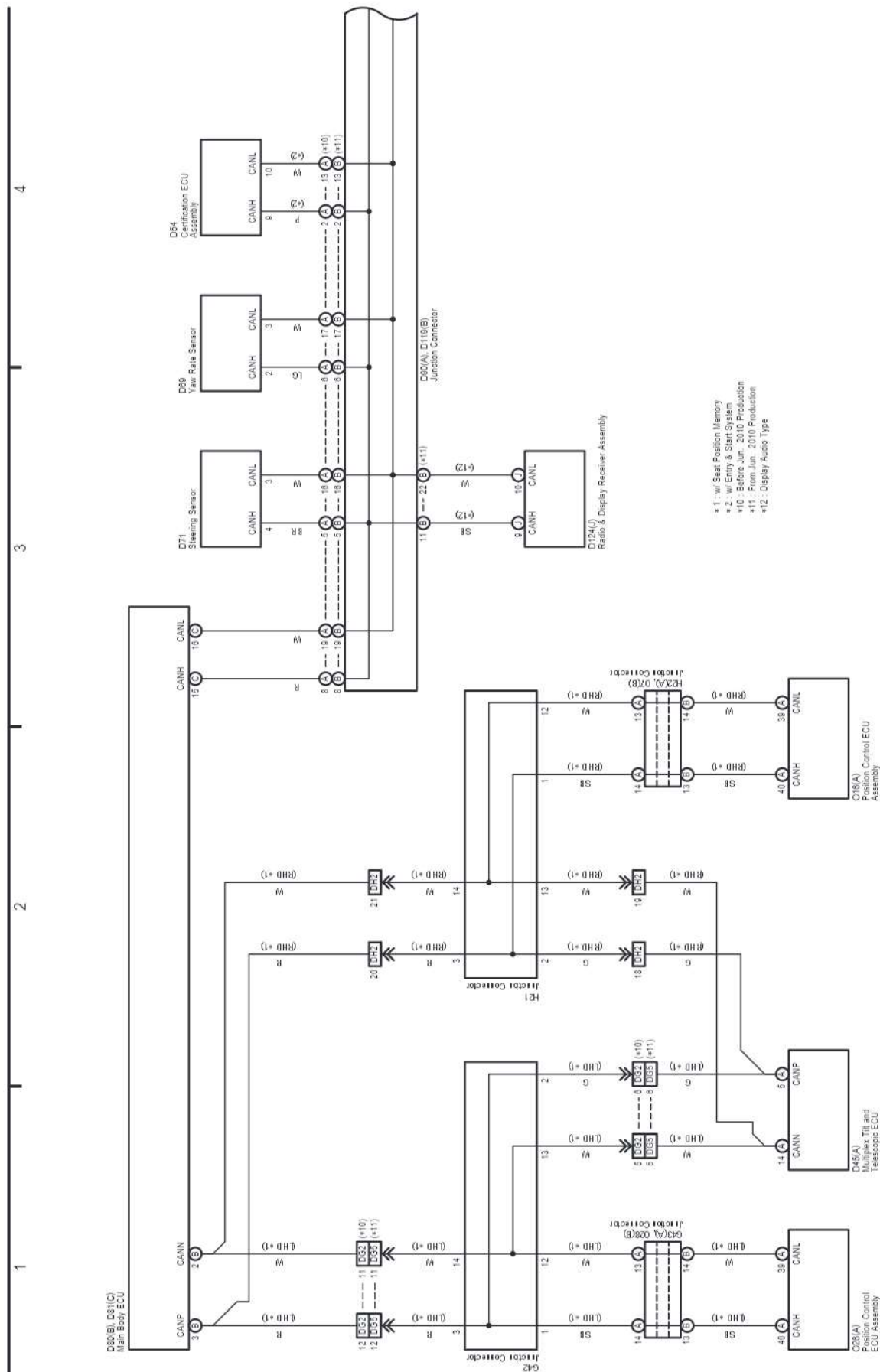
AVENSIS (EM11S4E)

M OVERALL ELECTRICAL WIRING DIAGRAM

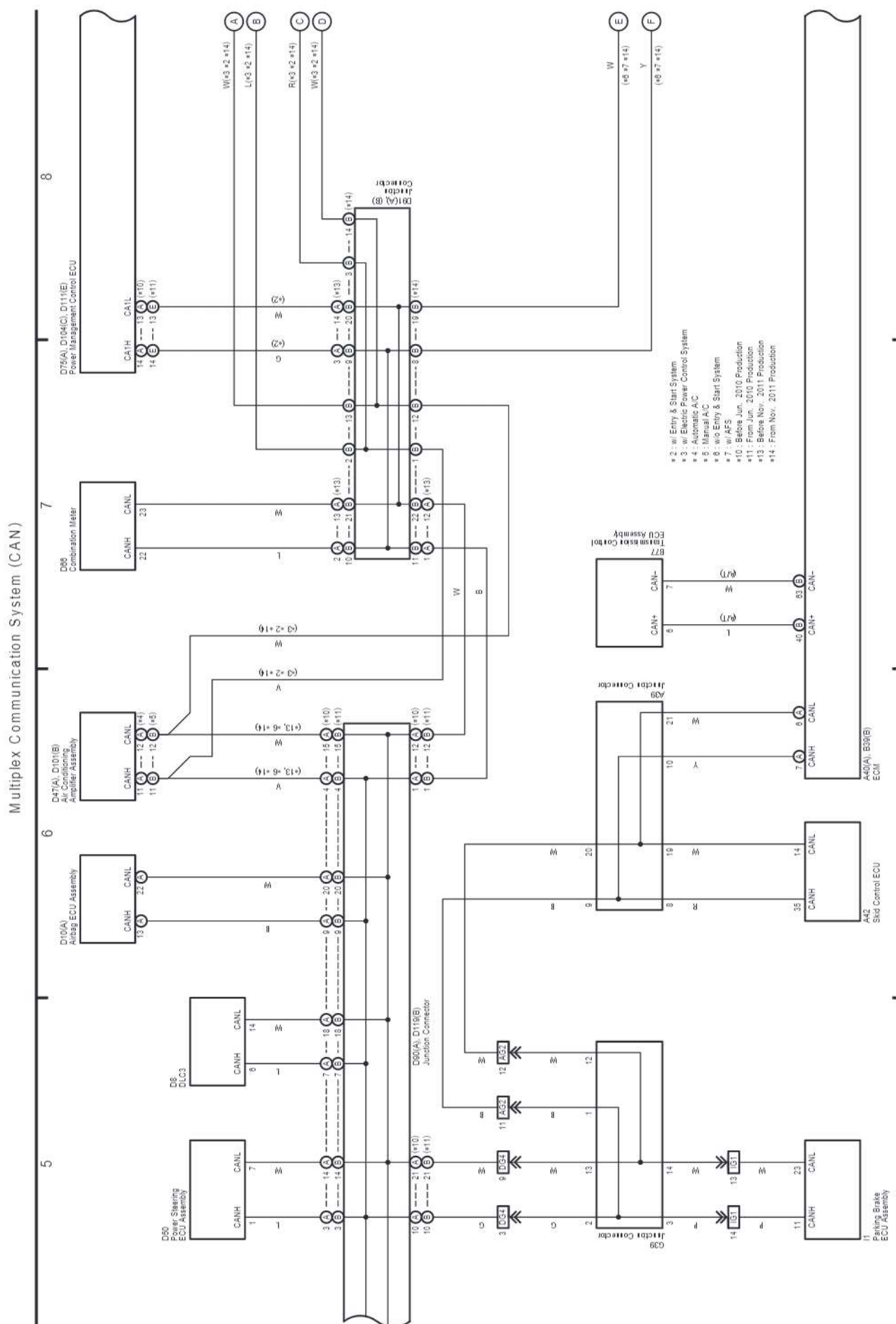
(Cont. next page)

4 AVENSIS

Multiplex Communication System (CAN)



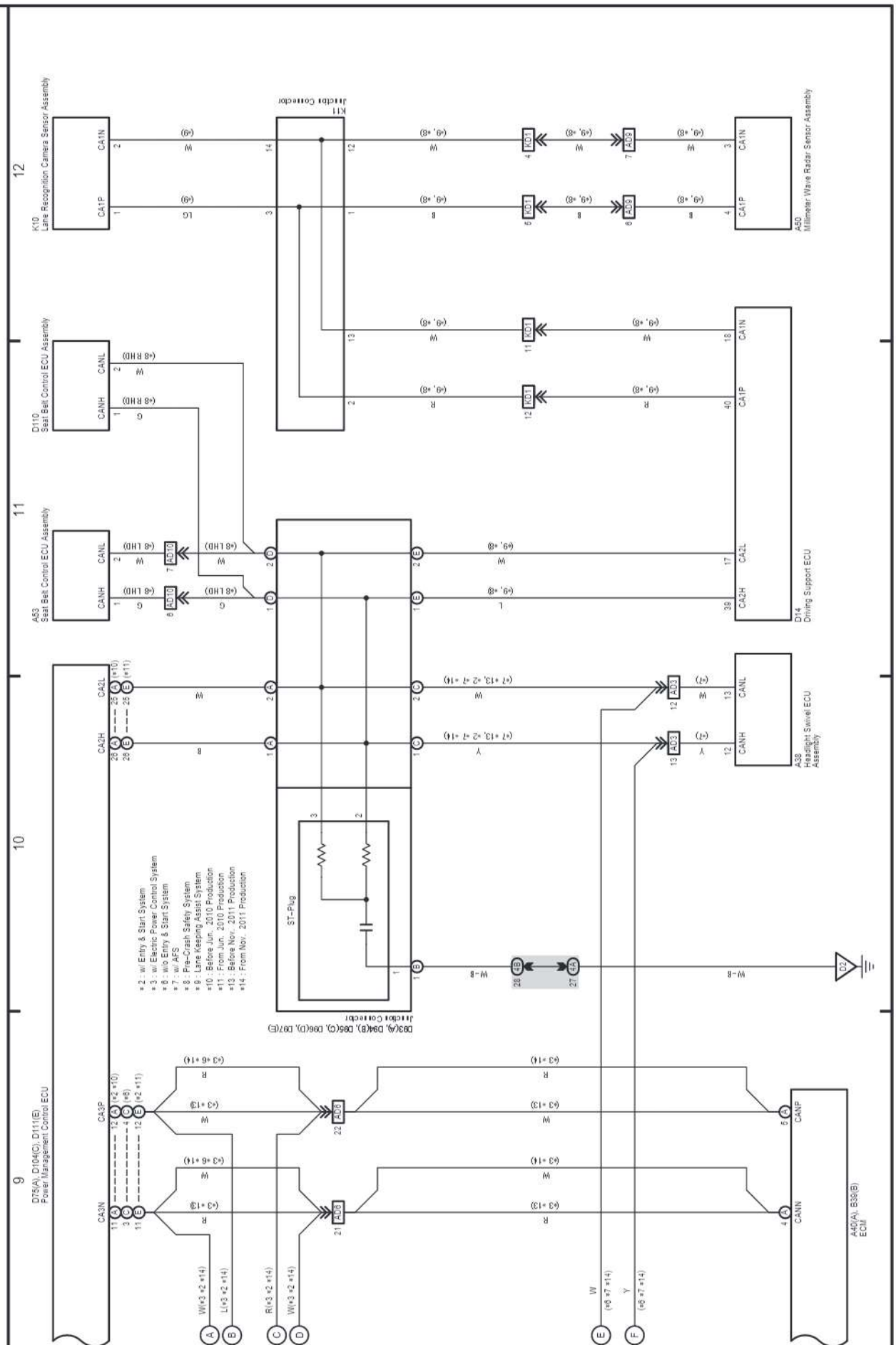
- * 1 : w/ Seat Position Memory
- * 2 : w/ Entry & Start System
- * 10 : Before Jun. 2010 Production
- * 11 : From Jun. 2010 Production
- * 12 : Display Audio Type



M OVERALL ELECTRICAL WIRING DIAGRAM

4 AVENSIS (Cont' d)

Multiplex Communication System (CAN)

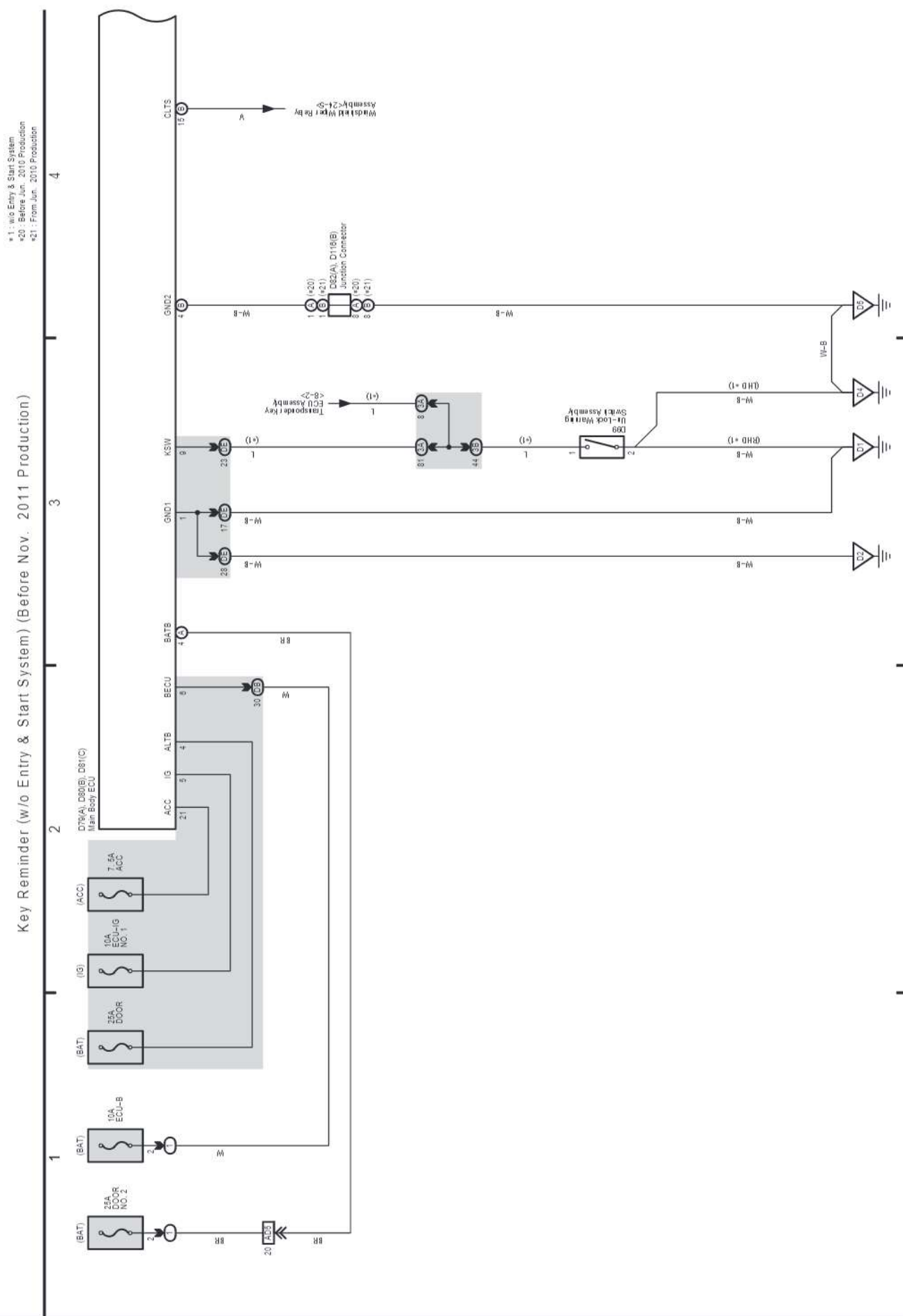


AVENSIS (EM11S4E)

M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

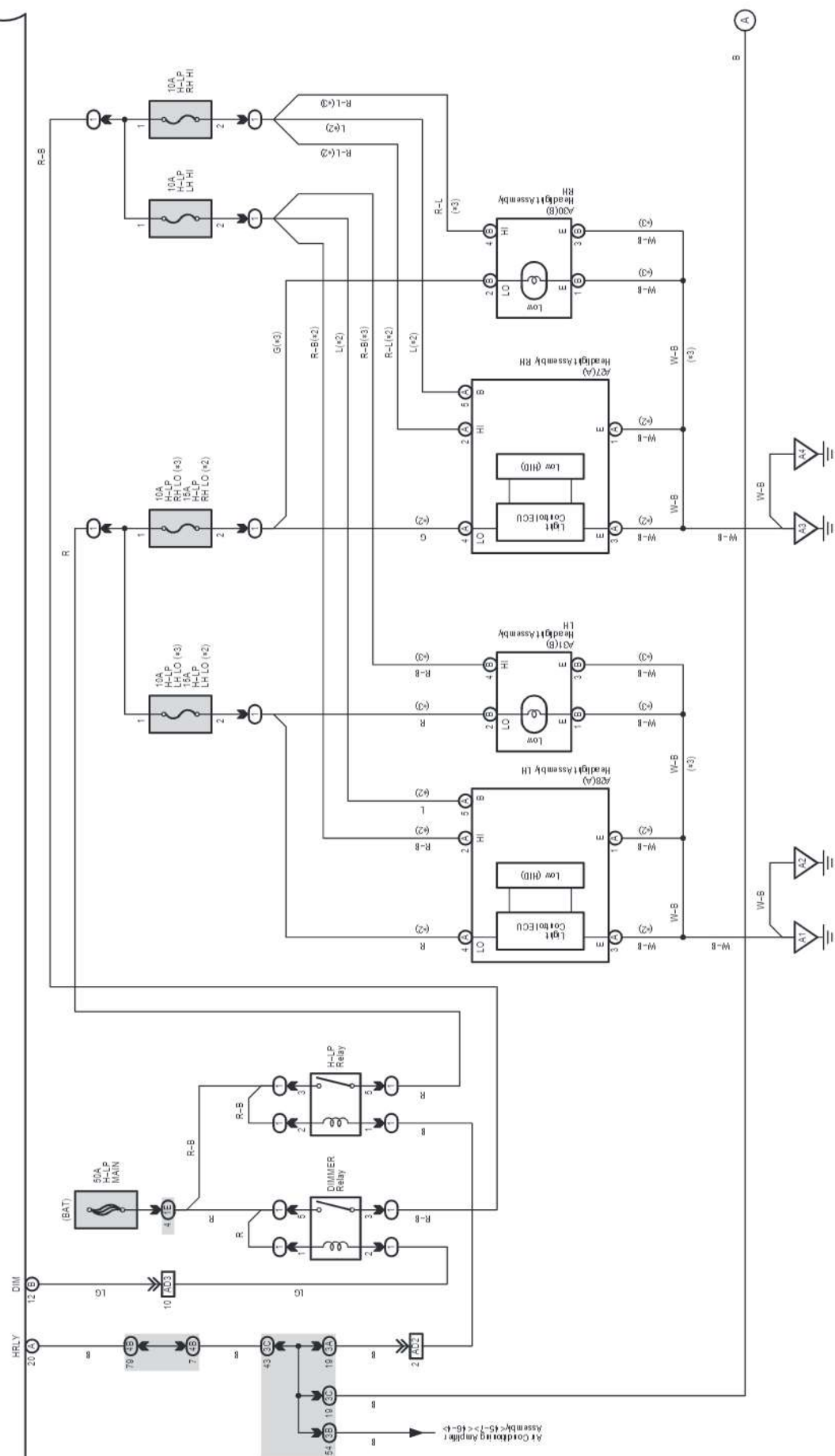
5 AVENSIS



Headlight (Before Nov. 2011 Production)

* 2: HID Type
* 3: Except HID Type

D79(A), D80(B), D81(C)
Main Body ECU



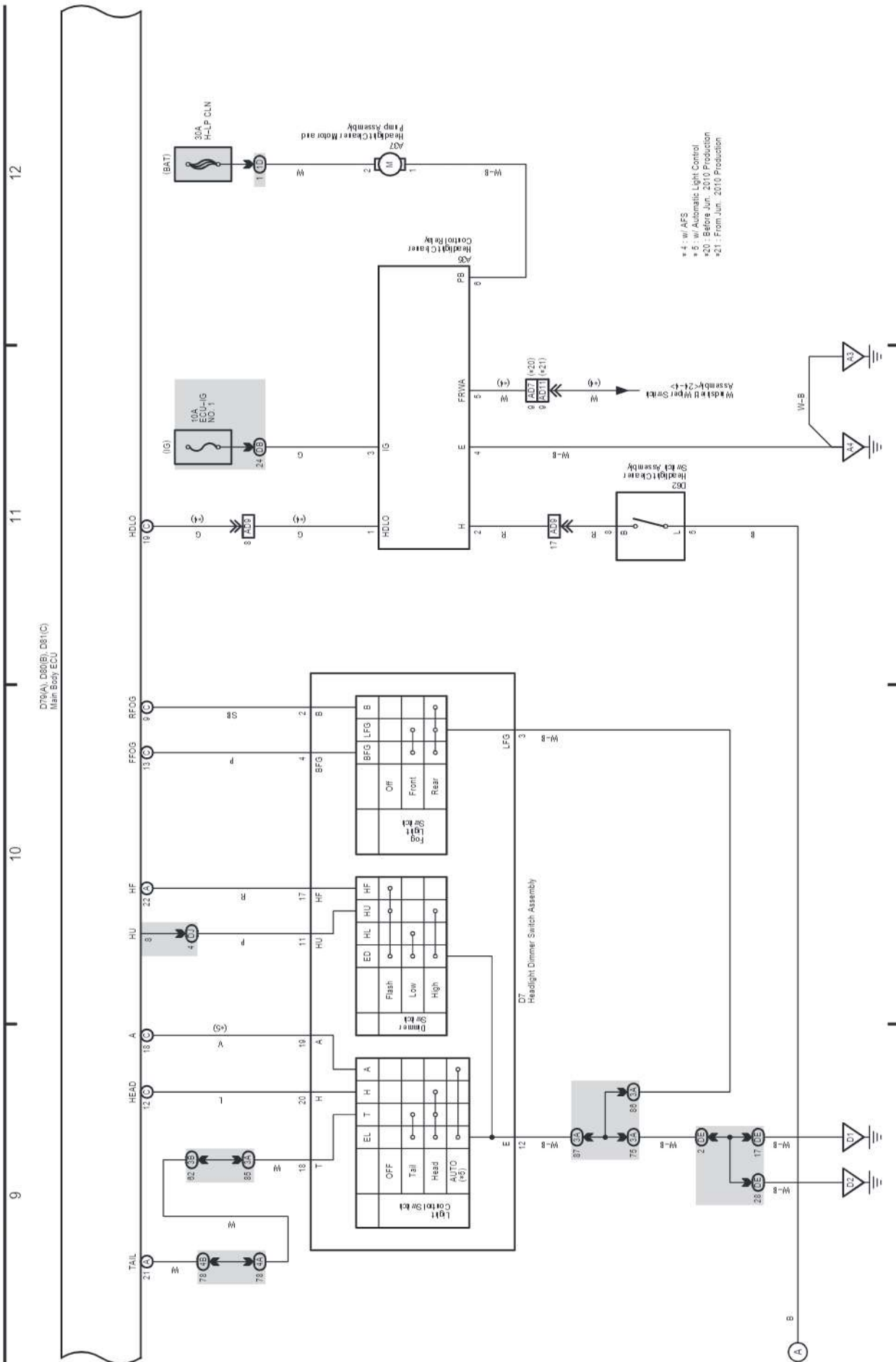
M OVERALL ELECTRICAL WIRING DIAGRAM

5 AVENSIS (Cont' d)

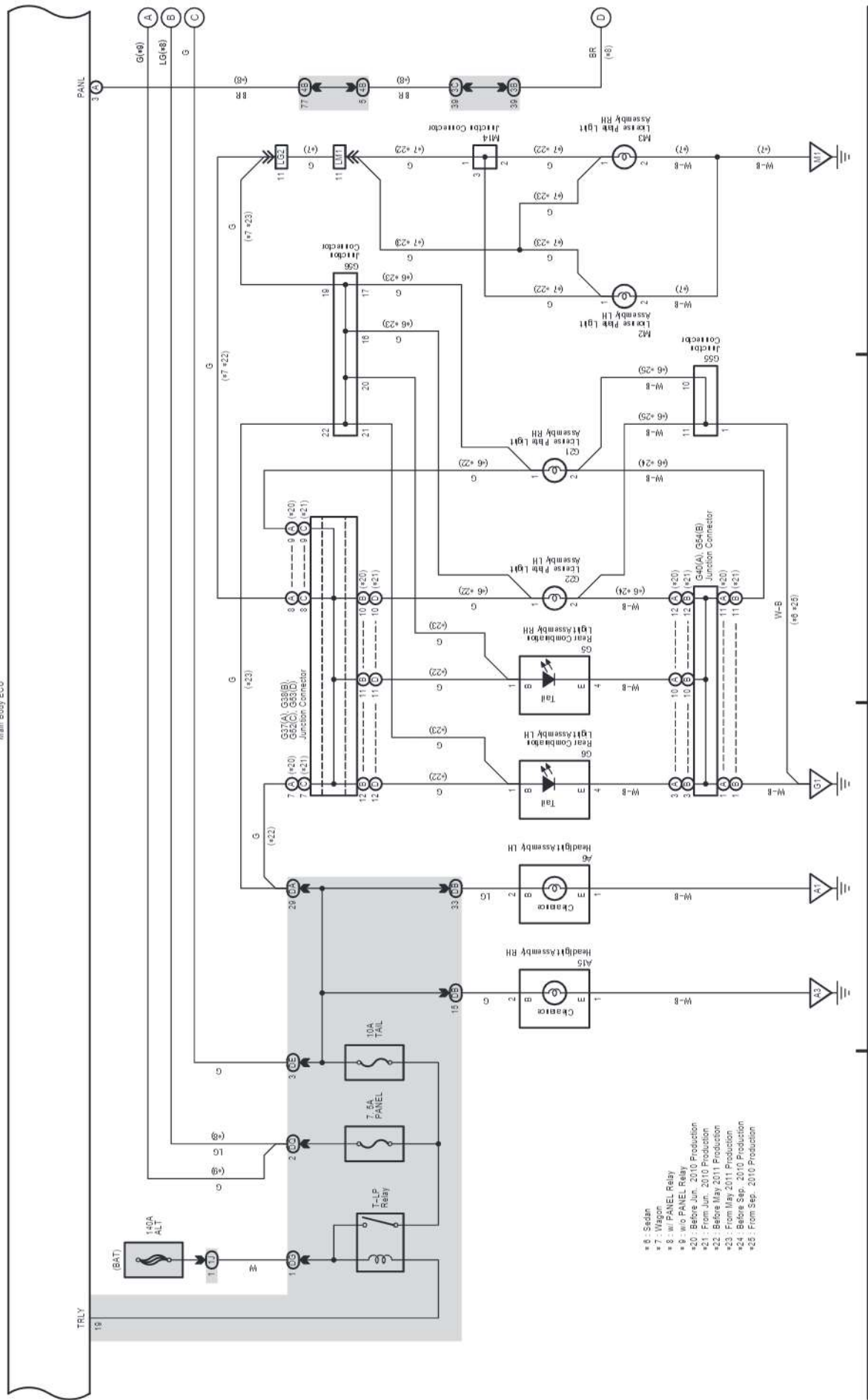
(Cont. next page)

Automatic Light Control (Before Nov. 2011 Production)
and Light Auto Turn Off System (Before Nov. 2011 Production)

Headlight Cleaner
(Before Nov. 2011 Production)



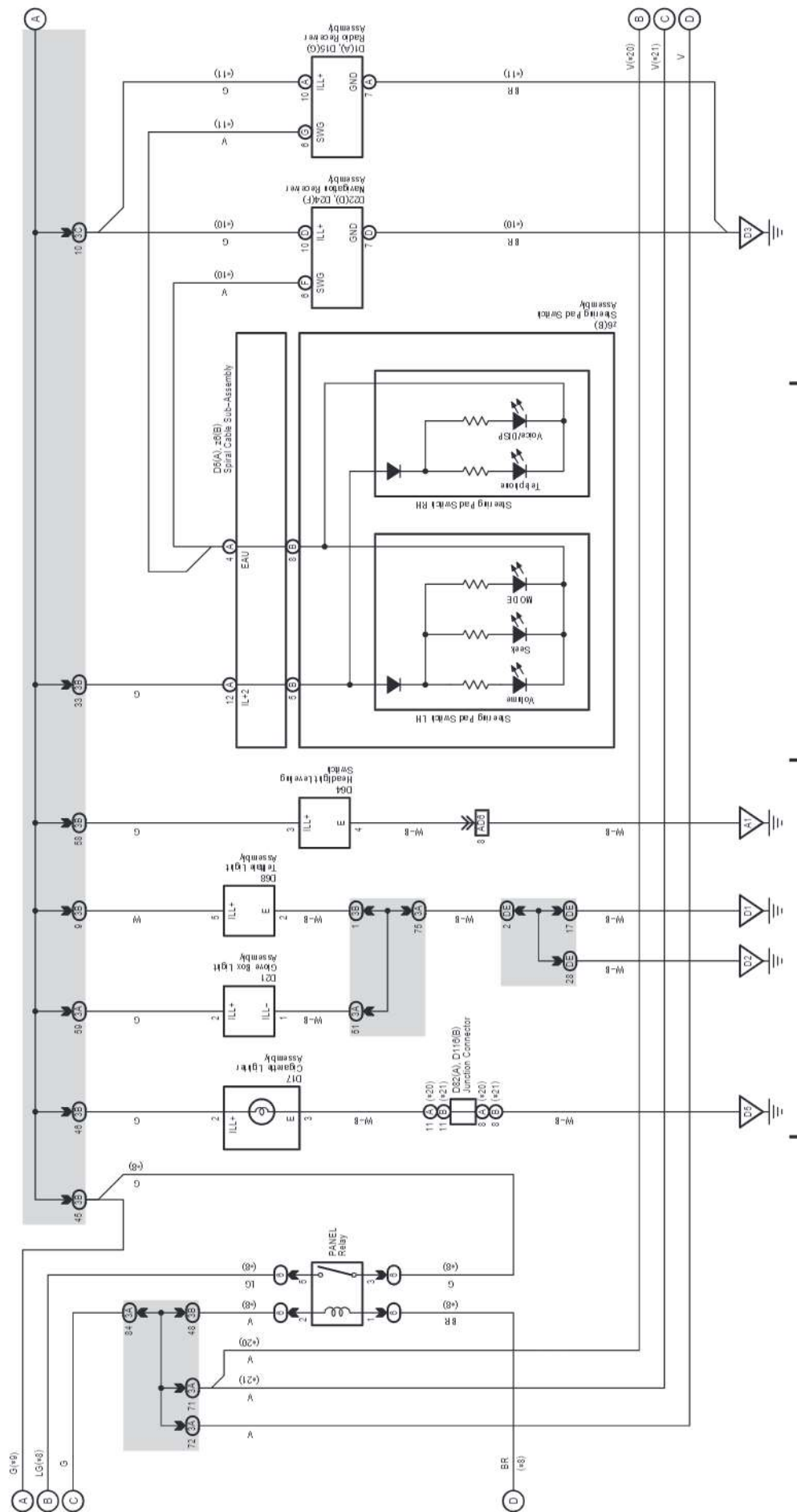
Taillight (Before Nov. 2011 Production)

D79(A), D80(B), D81(C)
Main Body ECU

*8 : w/ PANEL Relay
 *9 : w/o PANEL Relay
 *10 : w/ Navigation System
 *11 : w/o Navigation System
 *20 : Before Jun. 2010 Production
 *21 : From Jun. 2010 Production

Illustration (Before Nov. 2011 Production)

D79(A), D80(B), D81(C)
 Main Body ECU



Illumination (Before Nov. 2011 Production)

*20 : Before Jun. 2010 Production
*21 : From Jun. 2010 Production

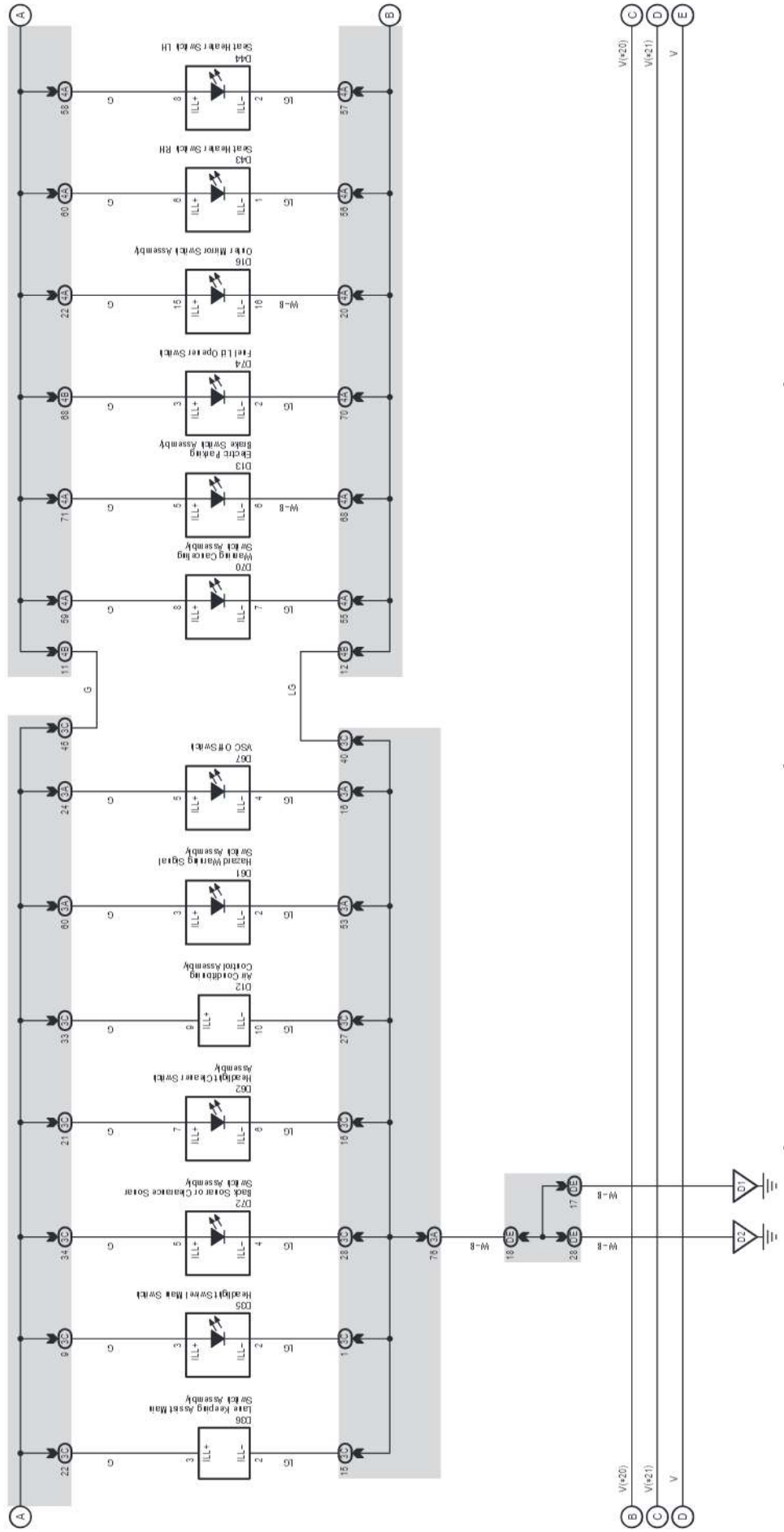
21

22

23

24

D79(A), D80(B), D81(C)
Main Body ECU

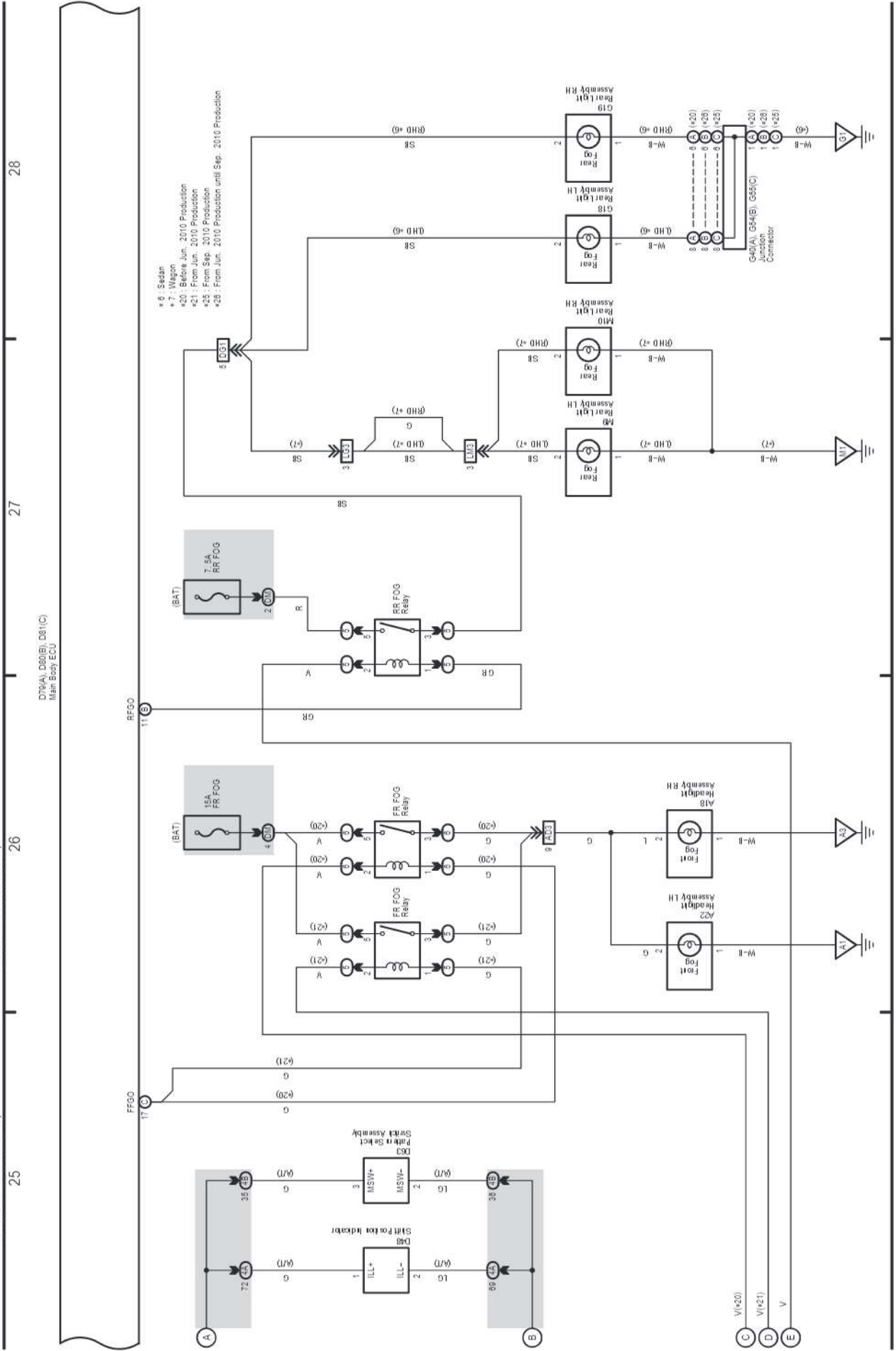


Illumination
(Before Nov.
2011 Production)

Front Fog Light
(Before Nov.
2011 Production)

Rear Fog Light
(Before Nov. 2011 Production)

(Cont. next page)



*1: w/o Entry & Start System
*20: Before Jun. 2010 Production
*21: From Jun. 2010 Production

Interior Light (Before Nov. 2011 Production)

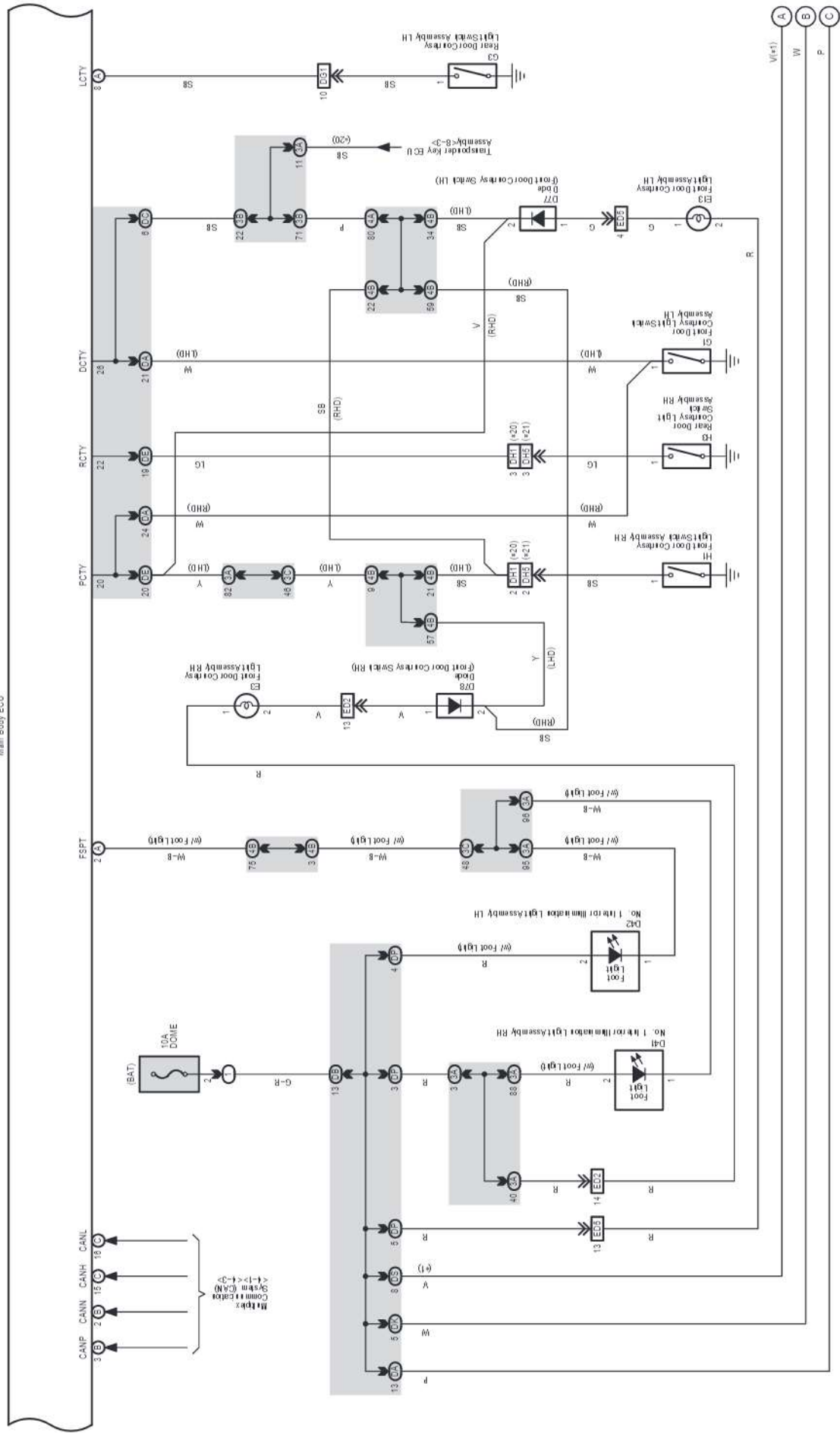
29

30

31

32

D79(A), D80(B), D81(C)
Main Body ECU



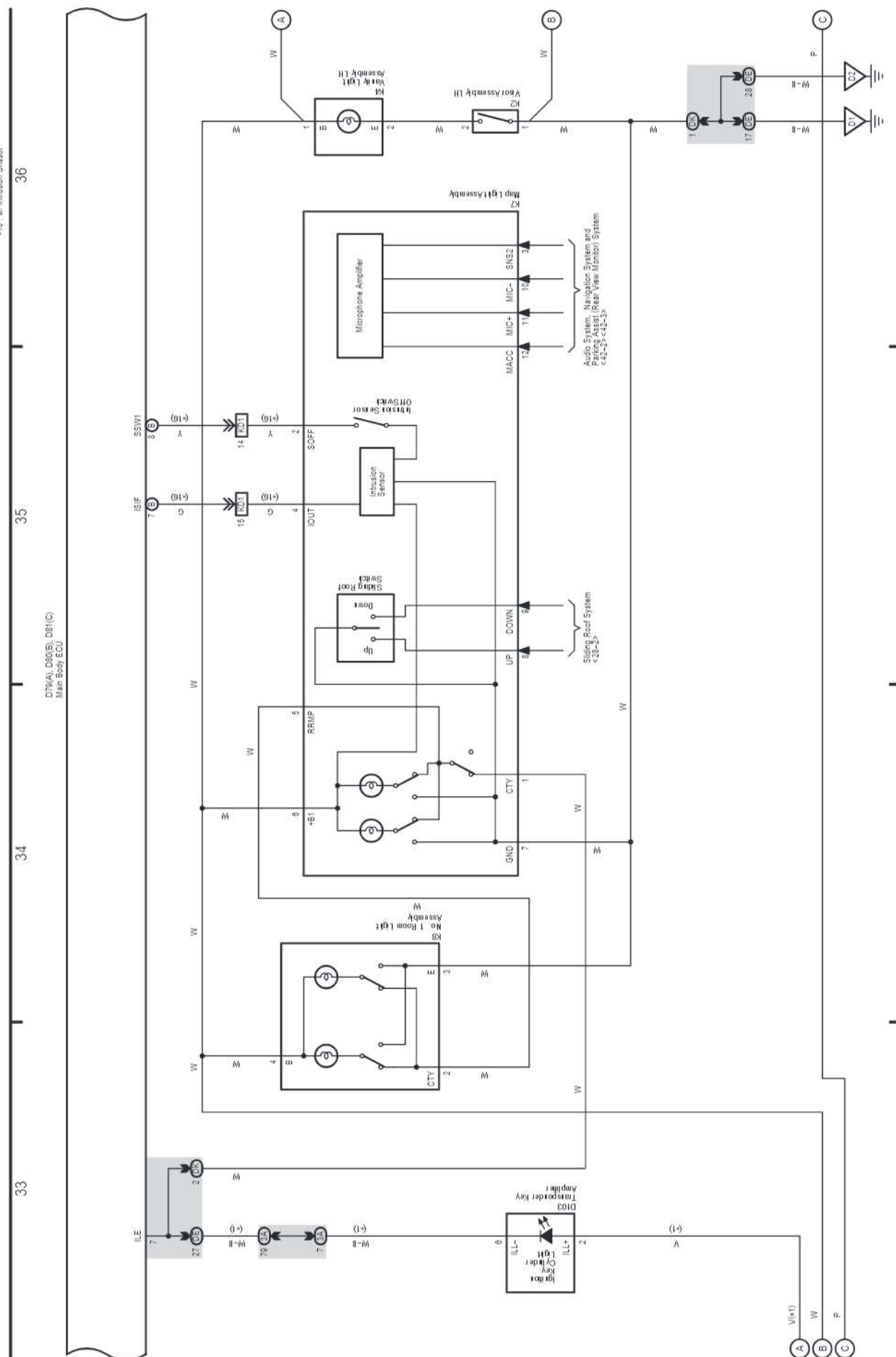
M OVERALL ELECTRICAL WIRING DIAGRAM

5 AVENSIS (Cont' d)

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Interior Light (Before Nov. 2011 Production)

```
#1 : w/o Entry & Start System
#16 : w/ Intrusion Snesor
```

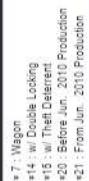
D79(A), D80(B), D81(C)
Main Body ECU

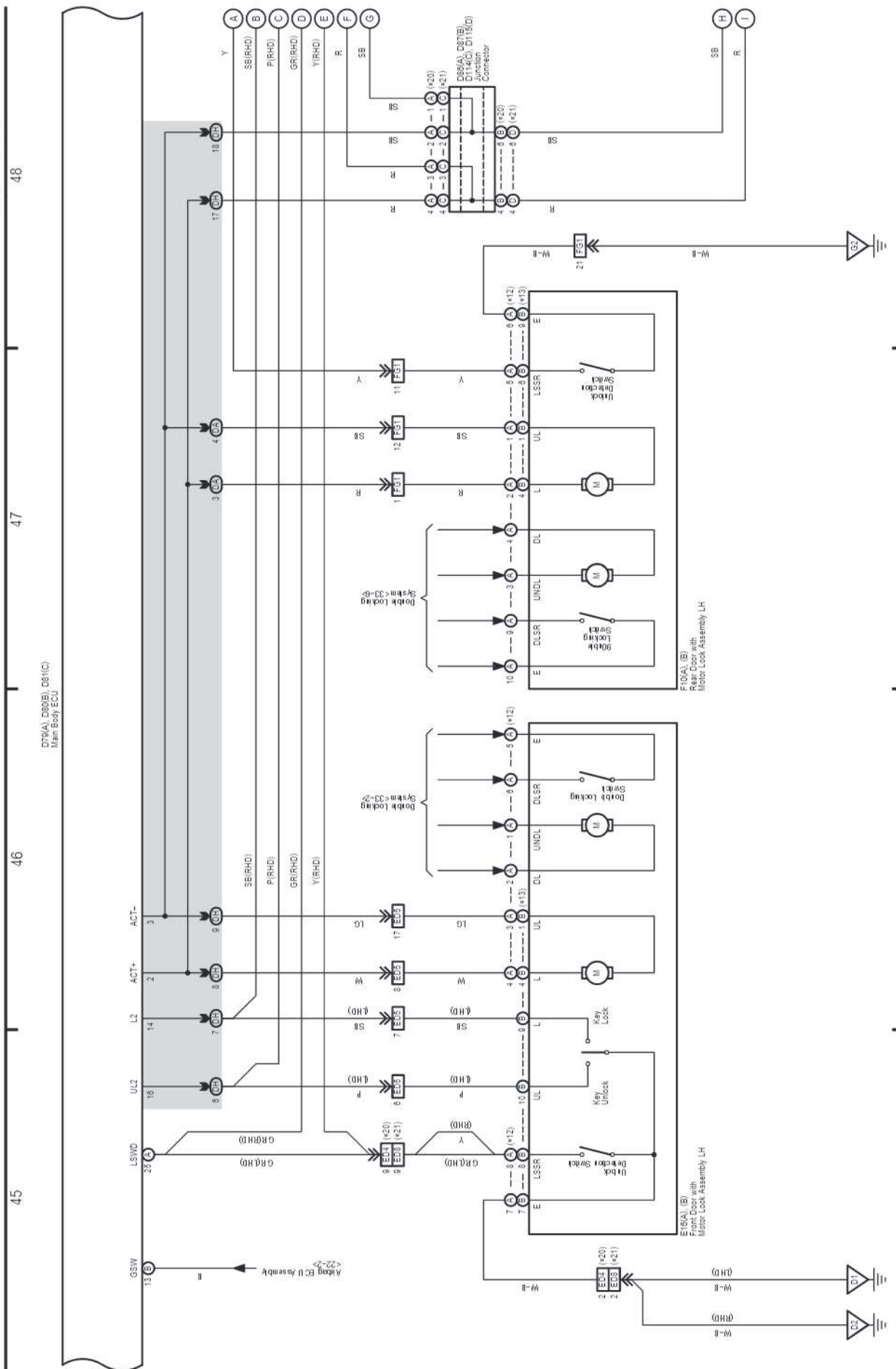
AVENSIS (EM11S4E)

Back Door Opener (Before Nov. 2011 Production)

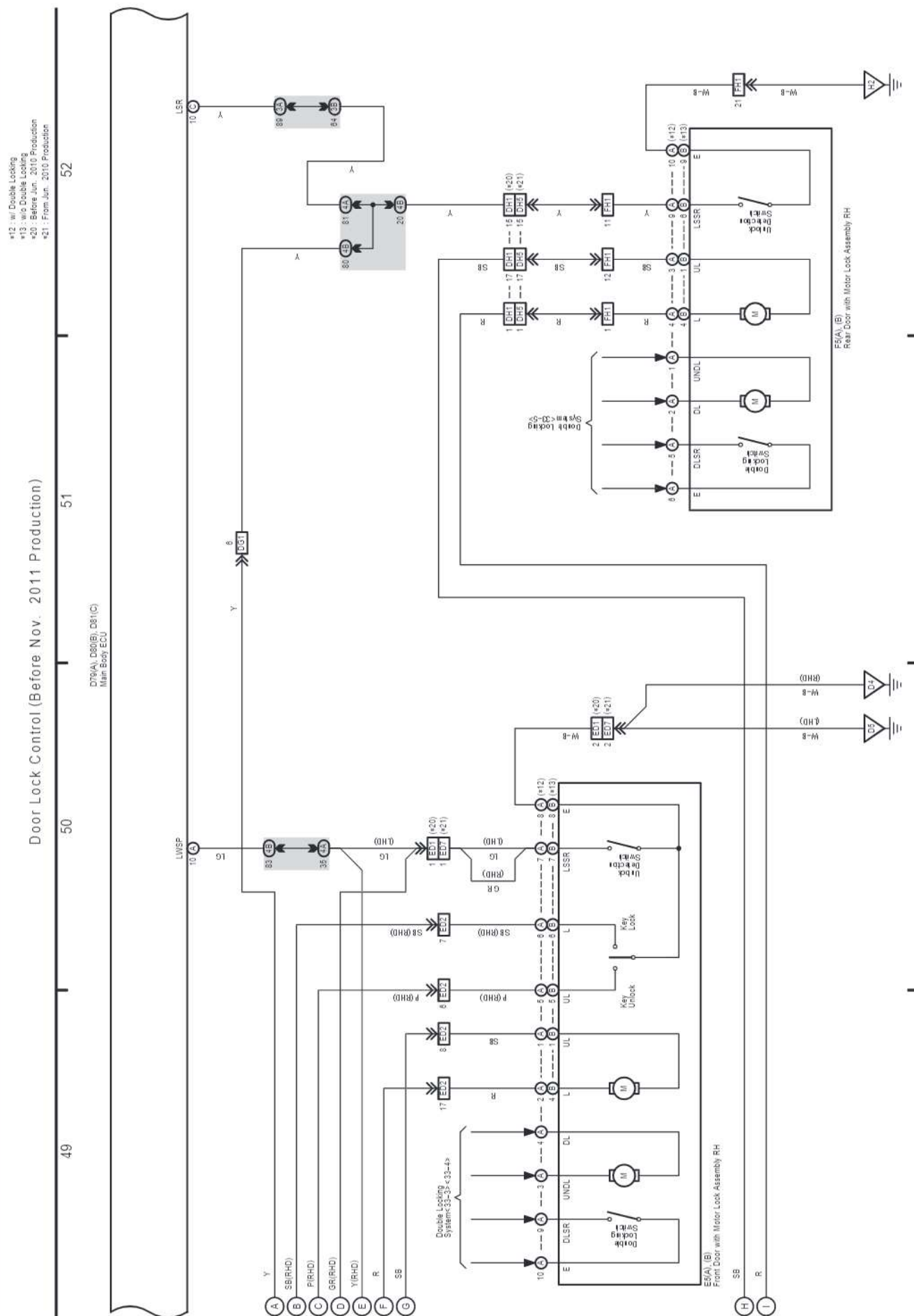
AVENSIS (EM11S4E)

AVENSIS (EM11S4E)

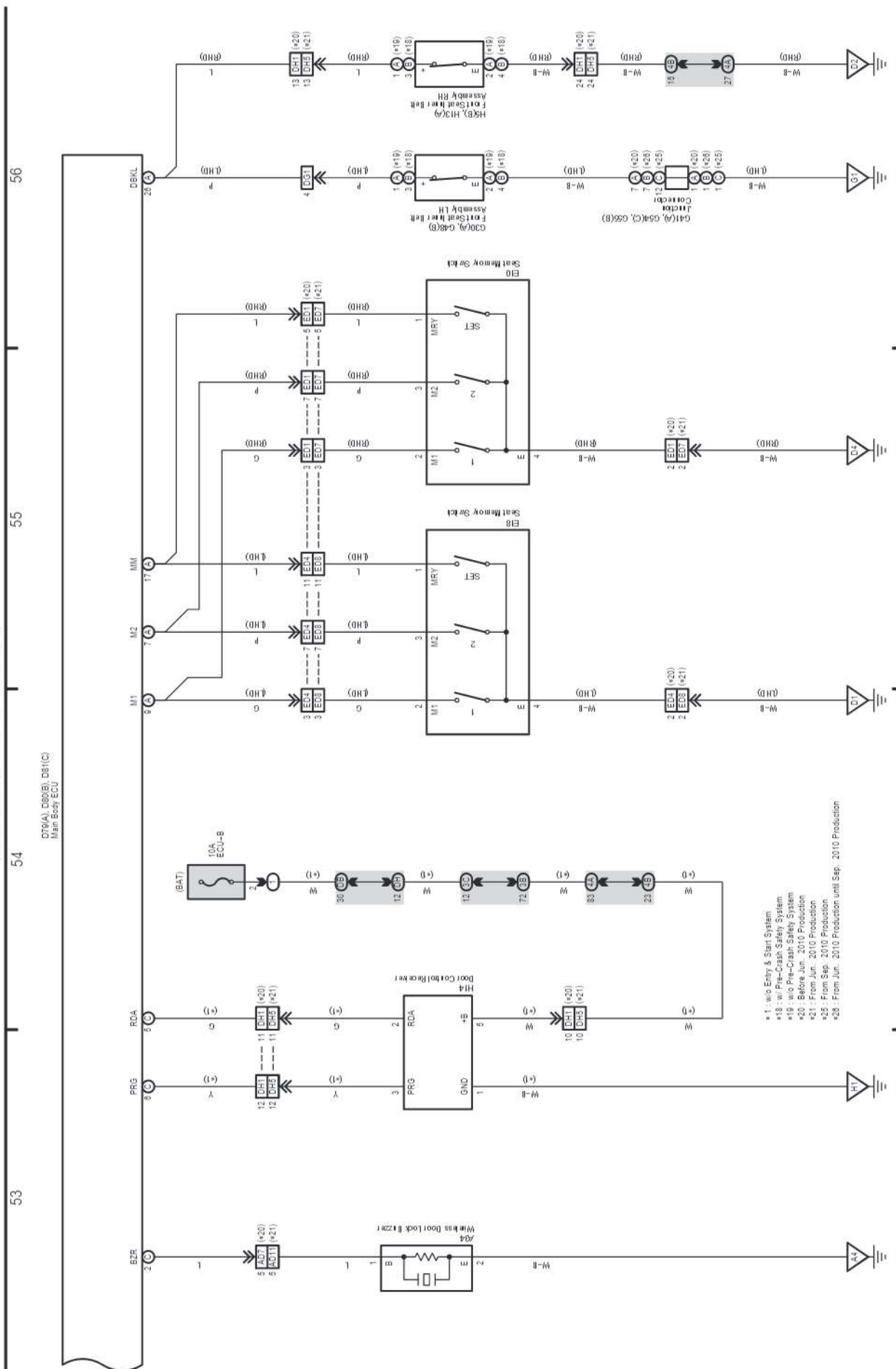




M OVERALL ELECTRICAL WIRING DIAGRAM

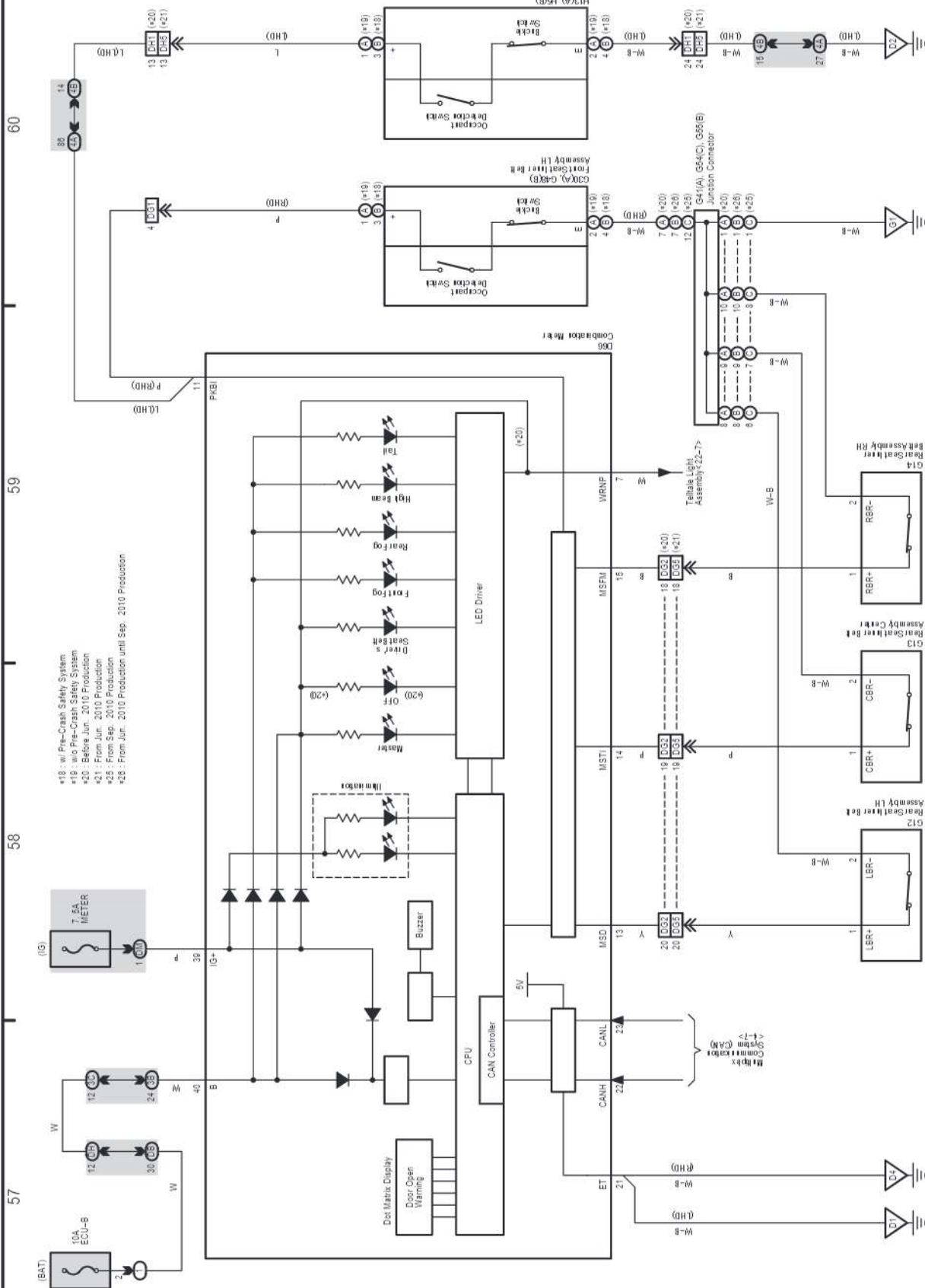


less Door L
fore Nov. 2



M OVERALL ELECTRICAL WIRING DIAGRAM

Seat Belt Warning (Before Nov. 2011 Production)

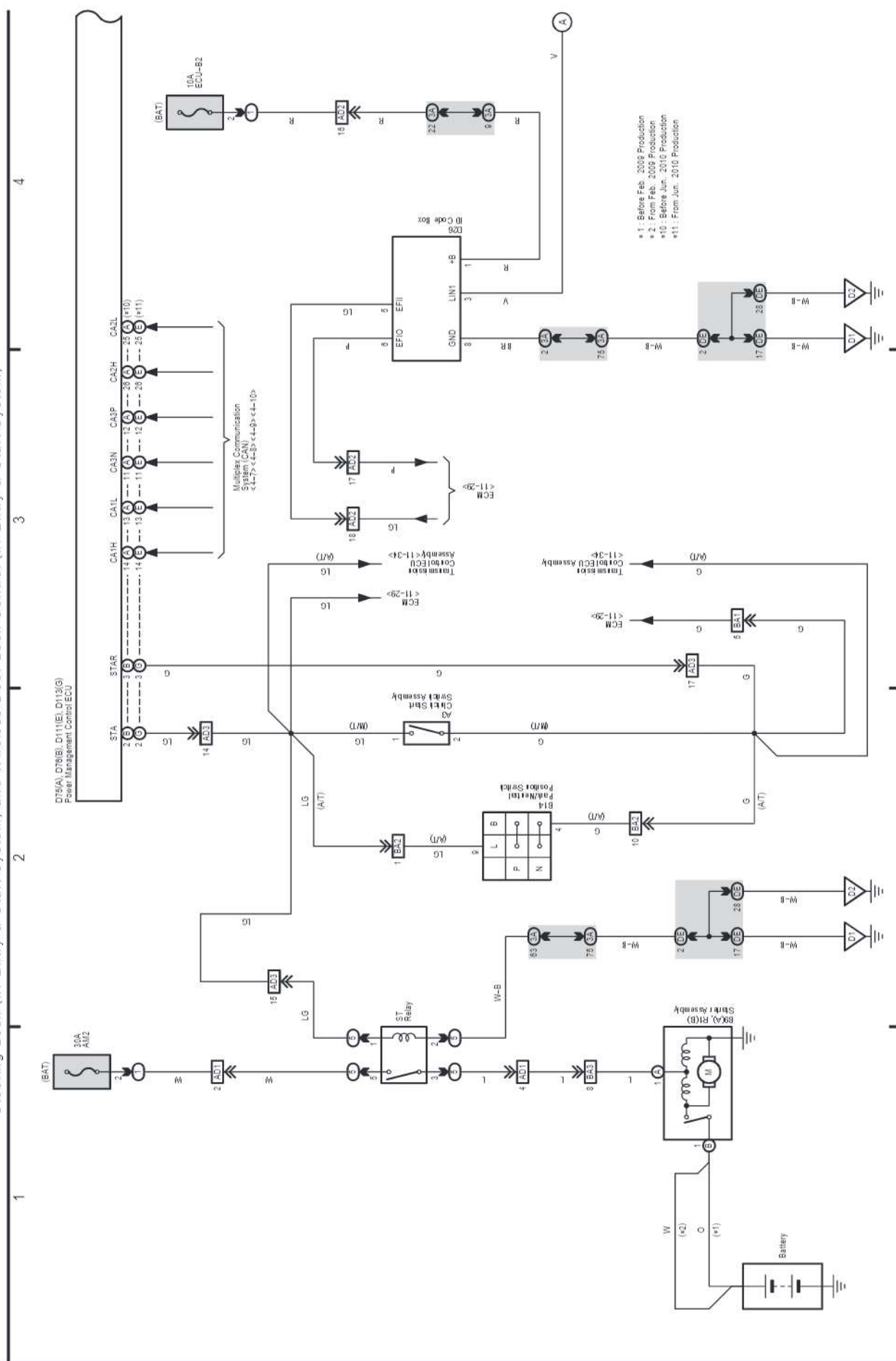


M OVERALL ELECTRICAL WIRING DIAGRAM

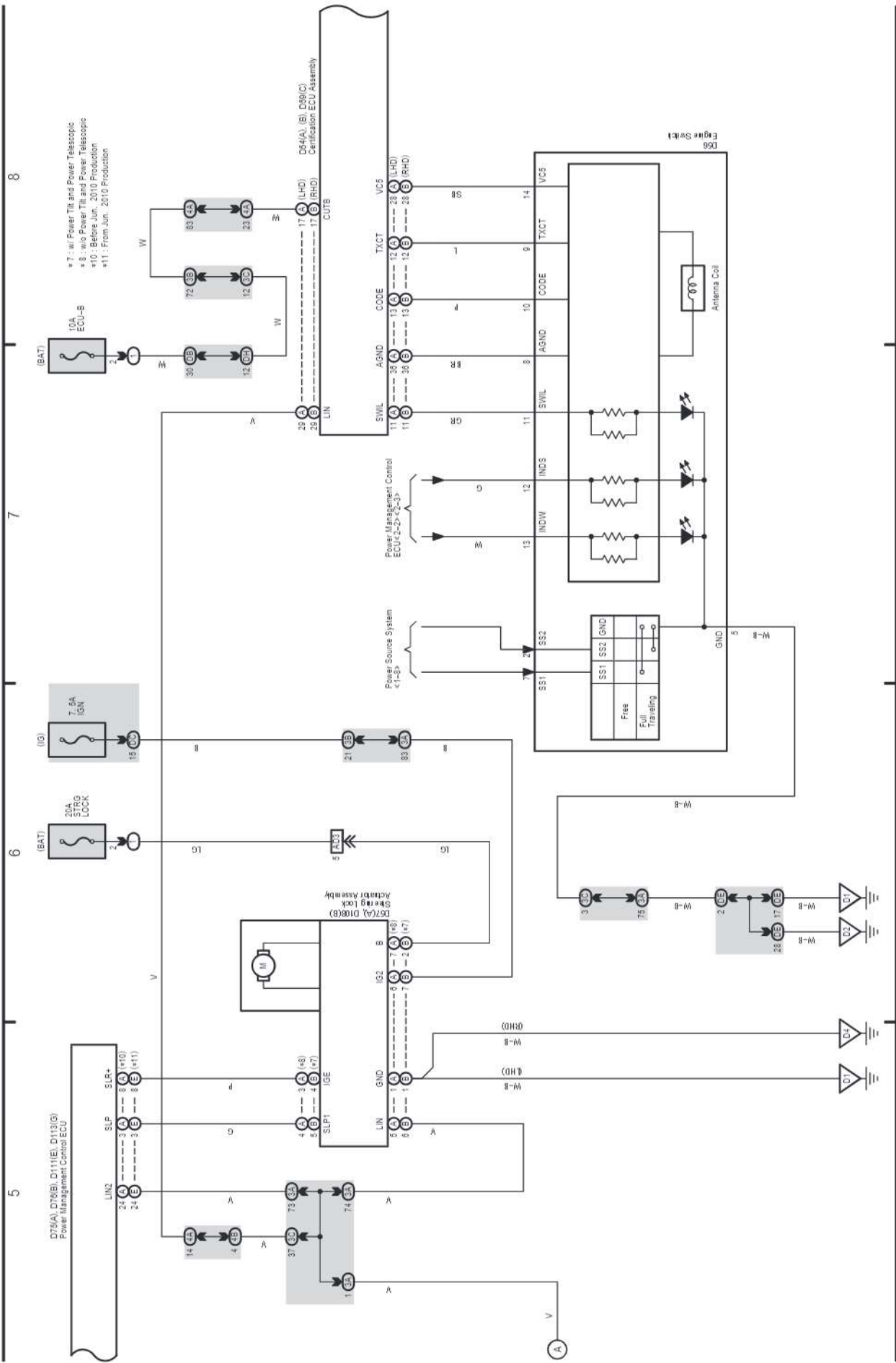
(Cont. next page)

6 AVENSIS

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

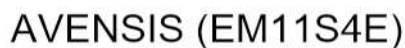


Engine Immobiliser System (w/ Entry & Start System), Entry & Start System, Starting (w/ Entry & Start System),
Steering Lock (w/ Entry & Start System) and Wireless Door Lock Control (w/ Entry & Start System)

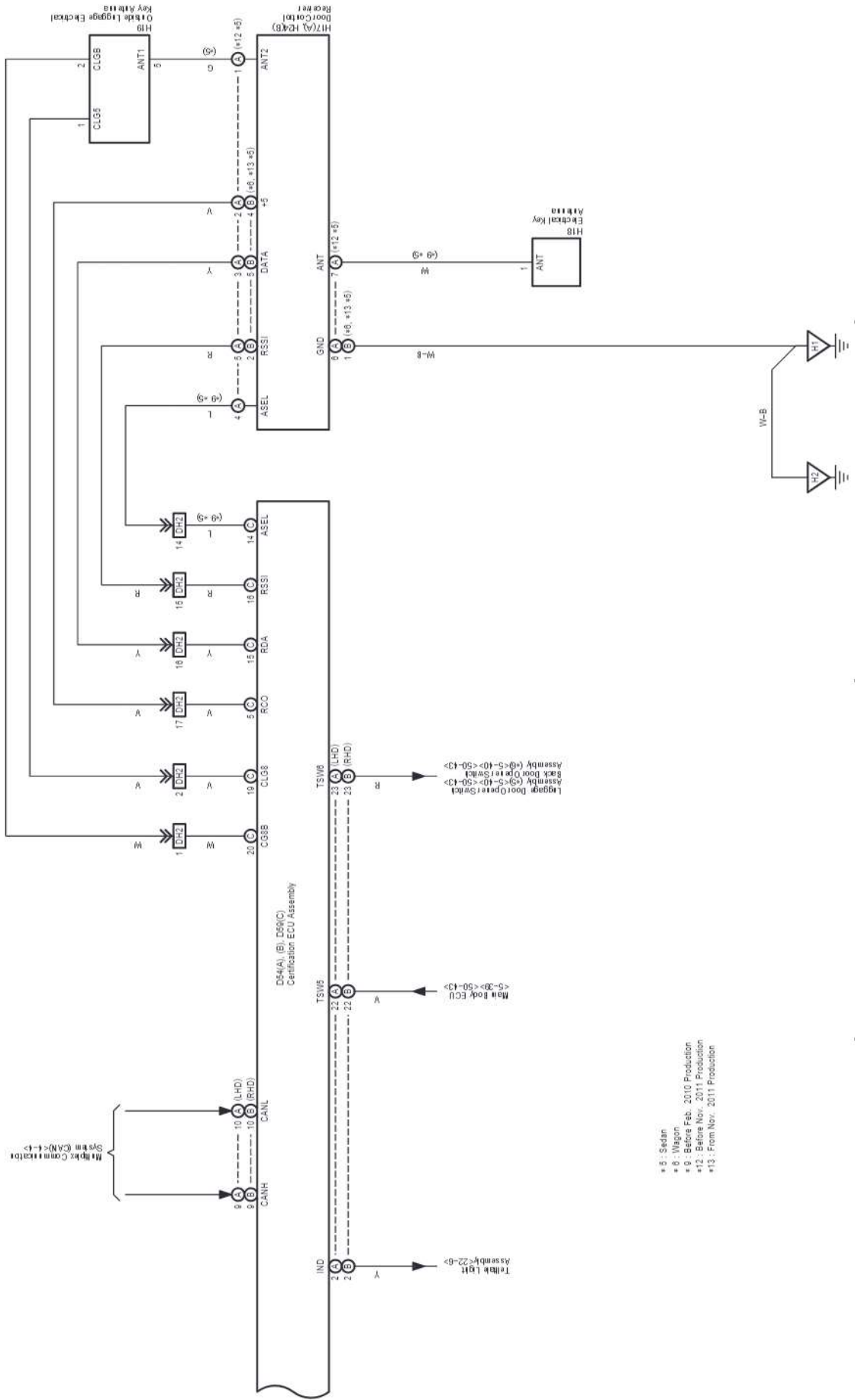


M OVERALL ELECTRICAL WIRING DIAGRAM

x10 : Before Jun. 2010 Production
x11 : From Jun. 2010 Production



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



* 8 : Sedan
* 9 : Wagon
* 10 : Before Feb. 2010 Production
* 11 : Before Nov. 2011 Production
* 12 : Before Nov. 2011 Production
* 13 : From Nov. 2011 Production

M OVERALL ELECTRICAL WIRING DIAGRAM

6 AVENSIS (Cont' d)

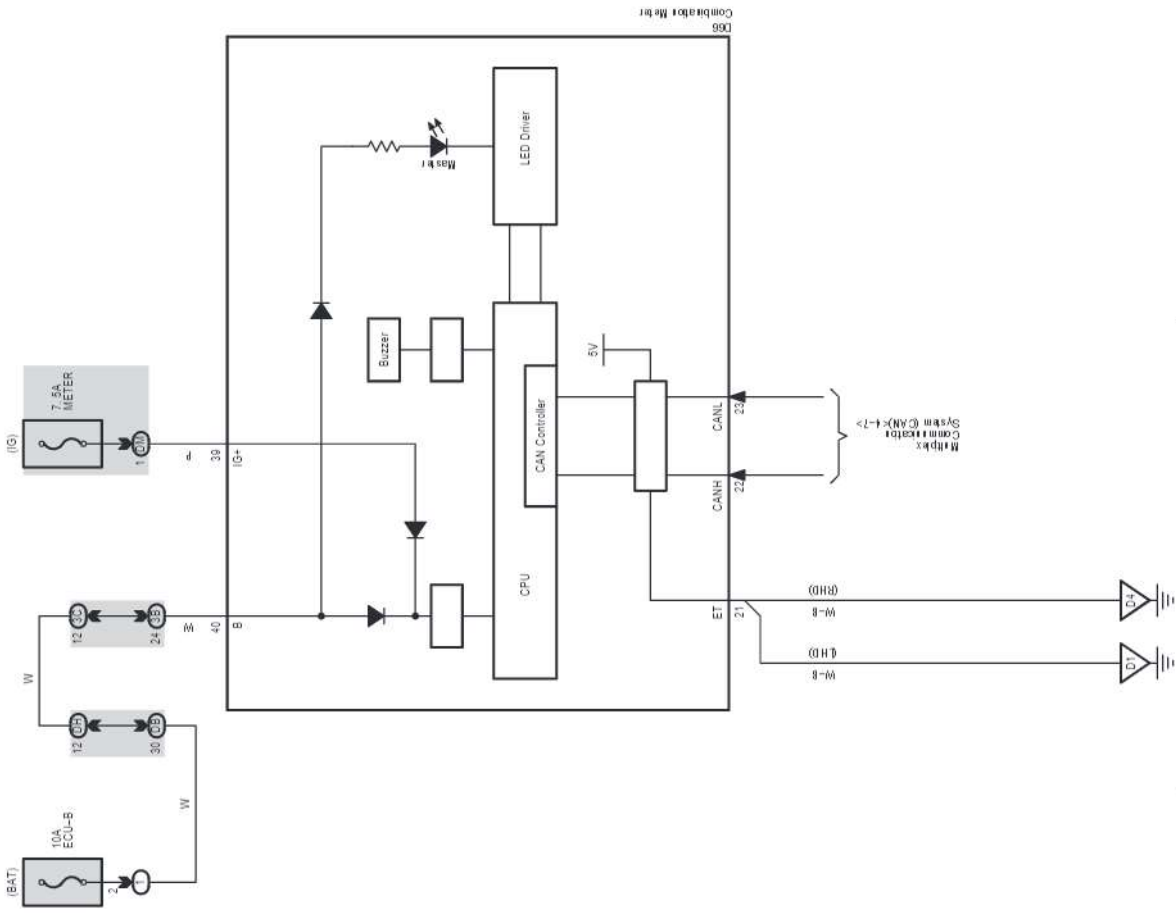
Engine Immobiliser System (w/ Entry & Start System), Entry & Start System, Starting (w/ Entry & Start System),
Steering Lock (w/ Entry & Start System) and Wireless Door Lock Control (w/ Entry & Start System)

20

19

18

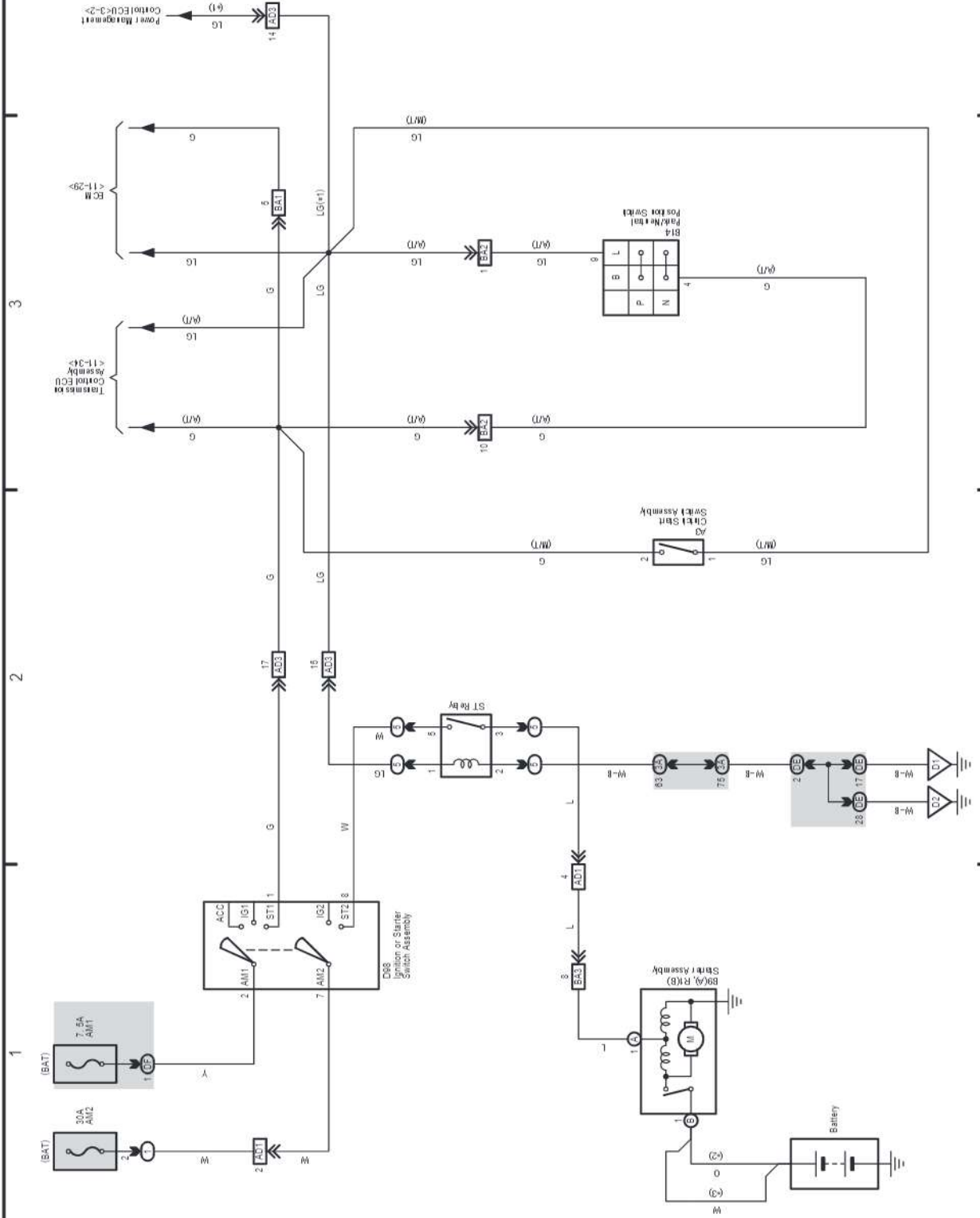
17



7 AVENSIS

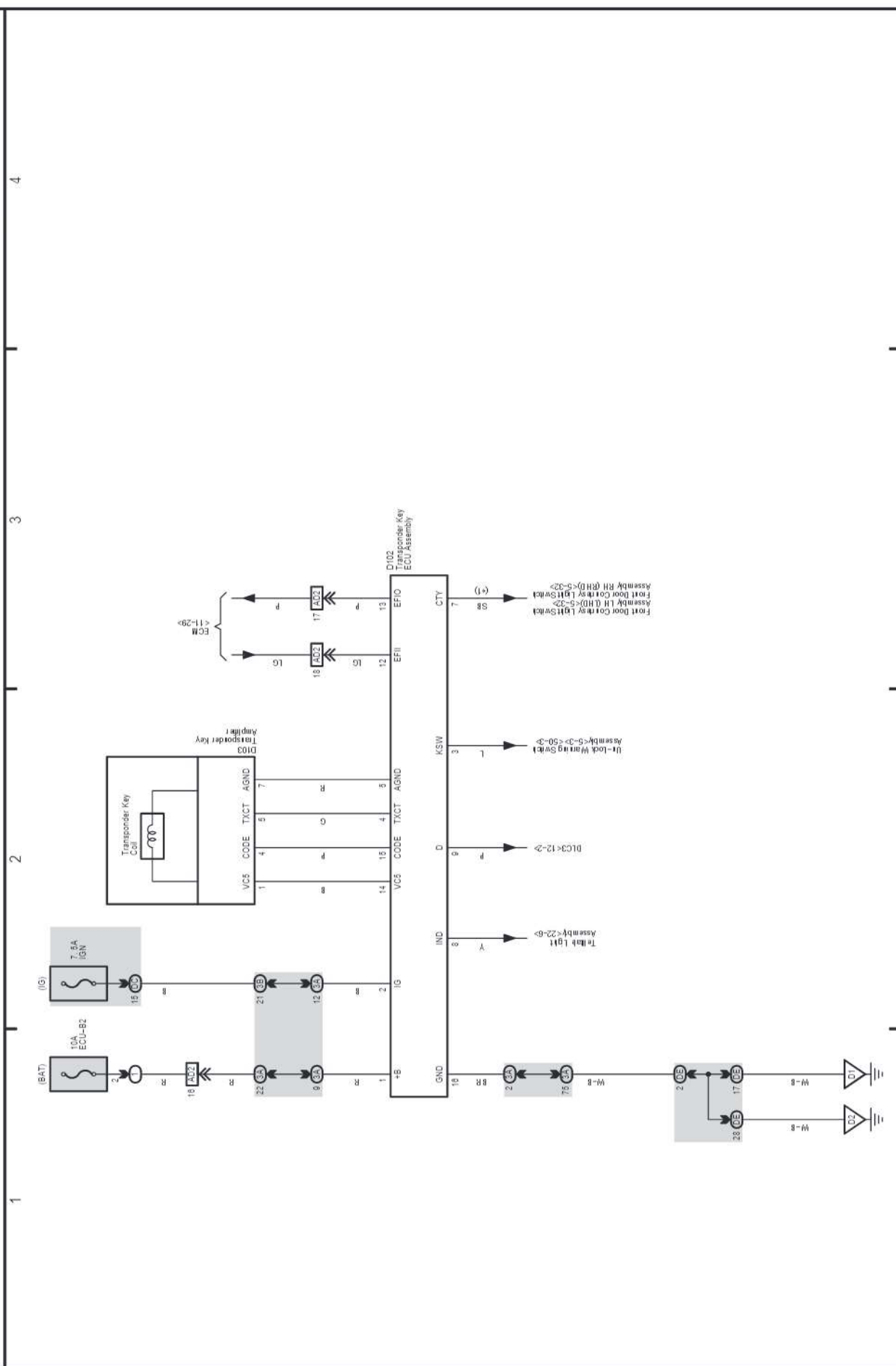
Starting (w/o Entry & Start System)

- * 1 : w/ Electric Power Control System
- * 2 : Before Feb. 2009 Production
- * 3 : From Feb. 2009 Production

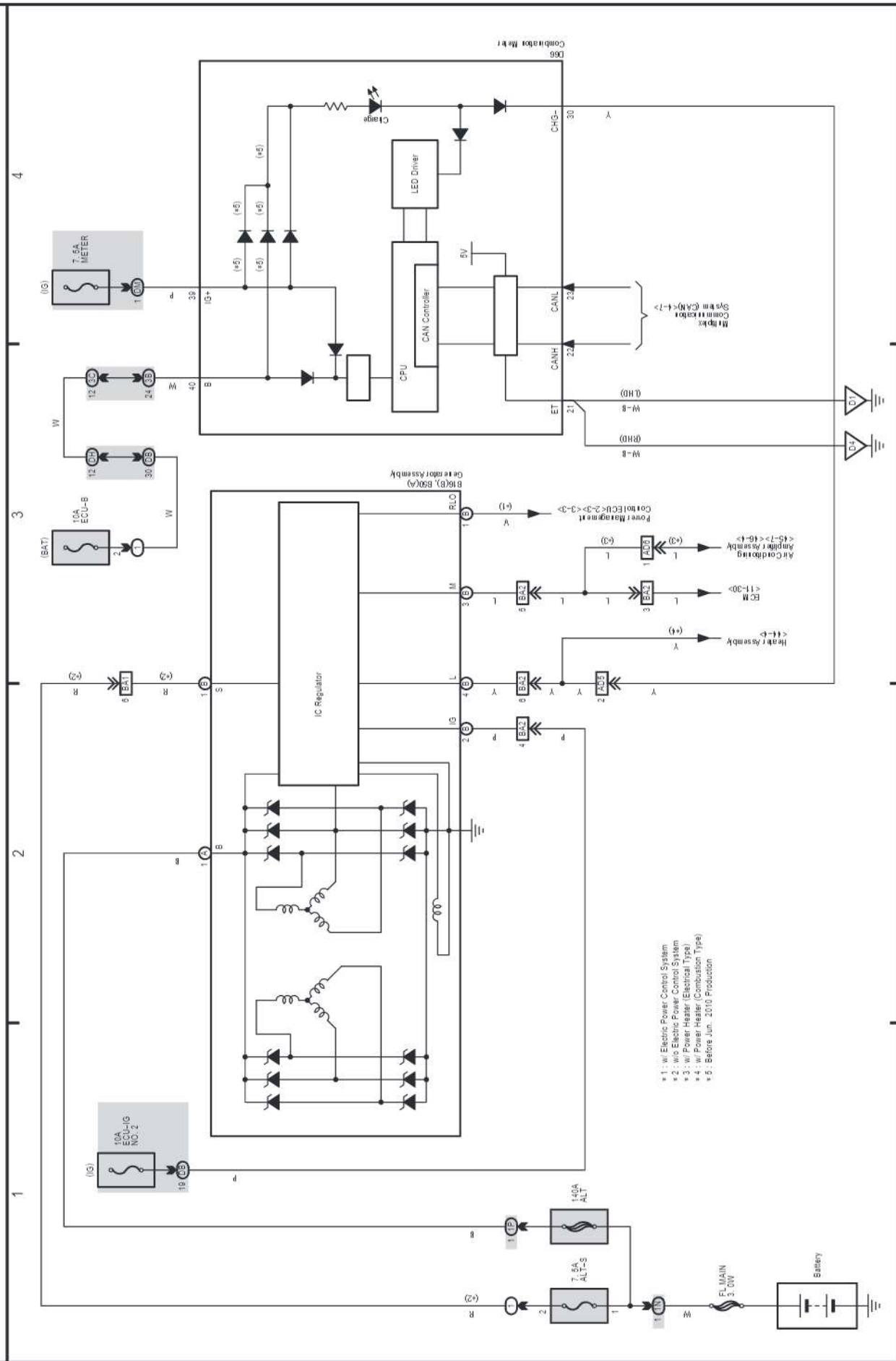


Engine Immobiliser System (w/o Entry & Start System)

* 1 : Before Jun. 2010 Production



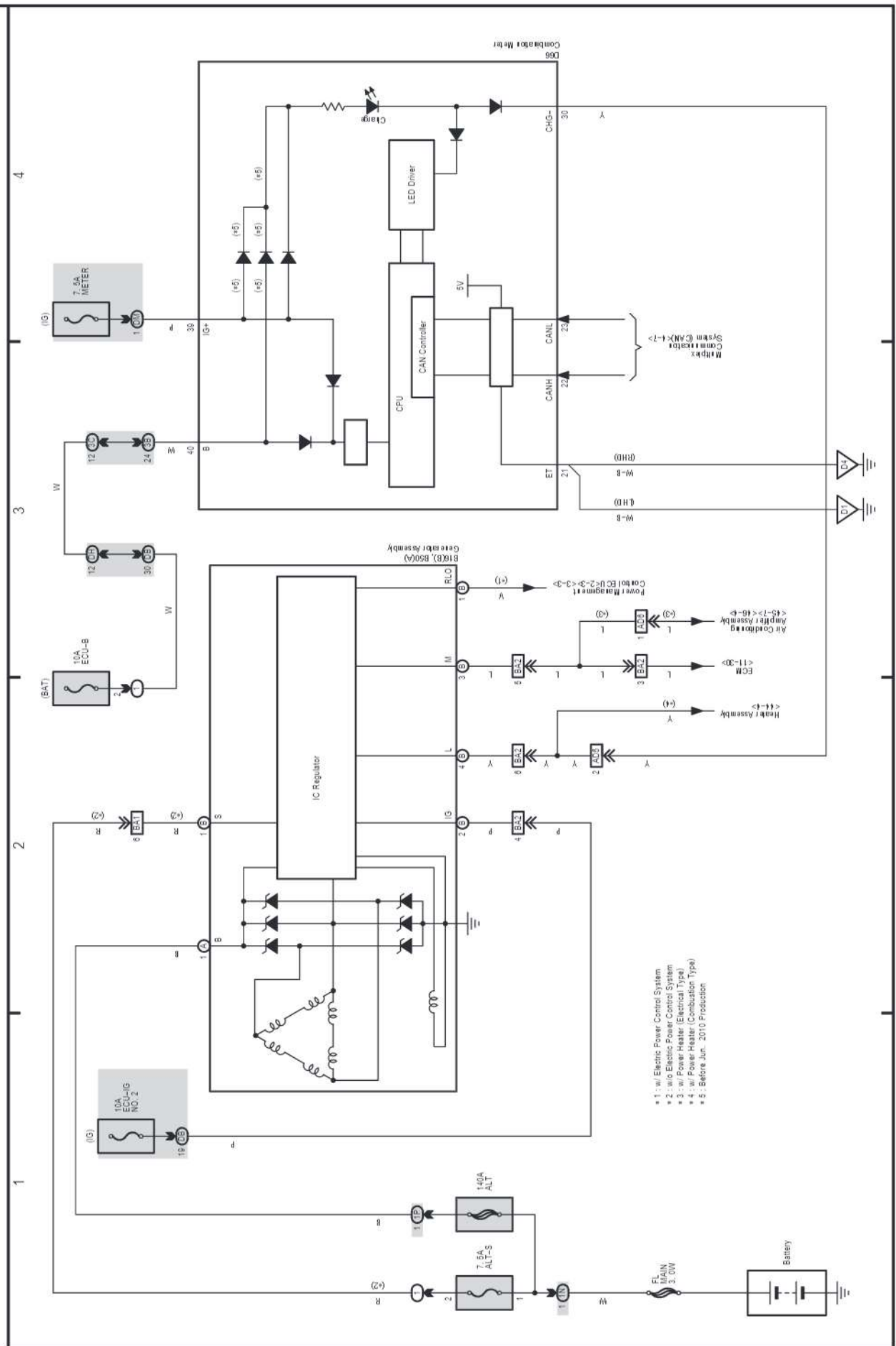
Charging (Cold Area Spec.)



M OVERALL ELECTRICAL WIRING DIAGRAM

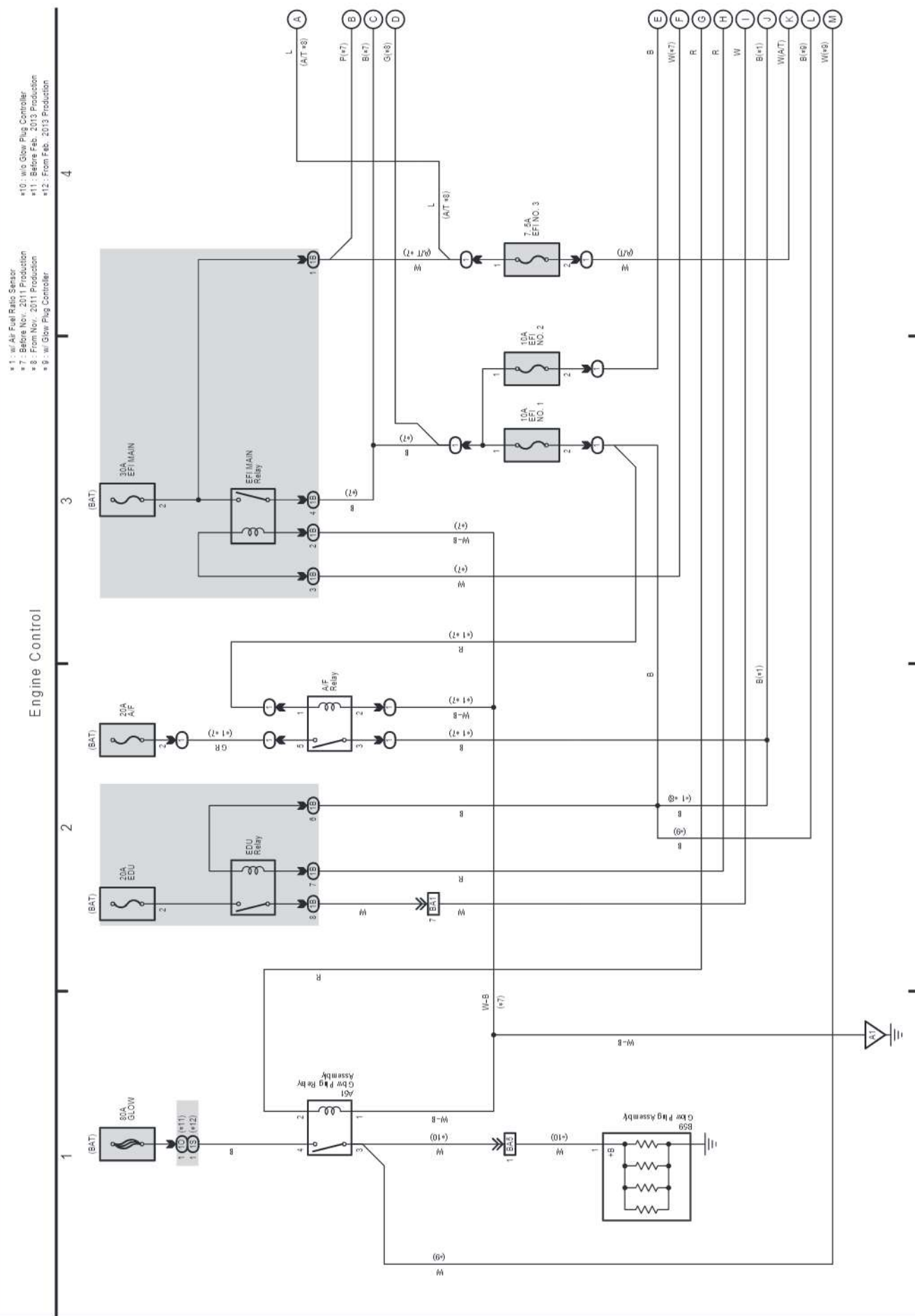
10 AVENSIS

Charging (Except Cold Area Spec.)



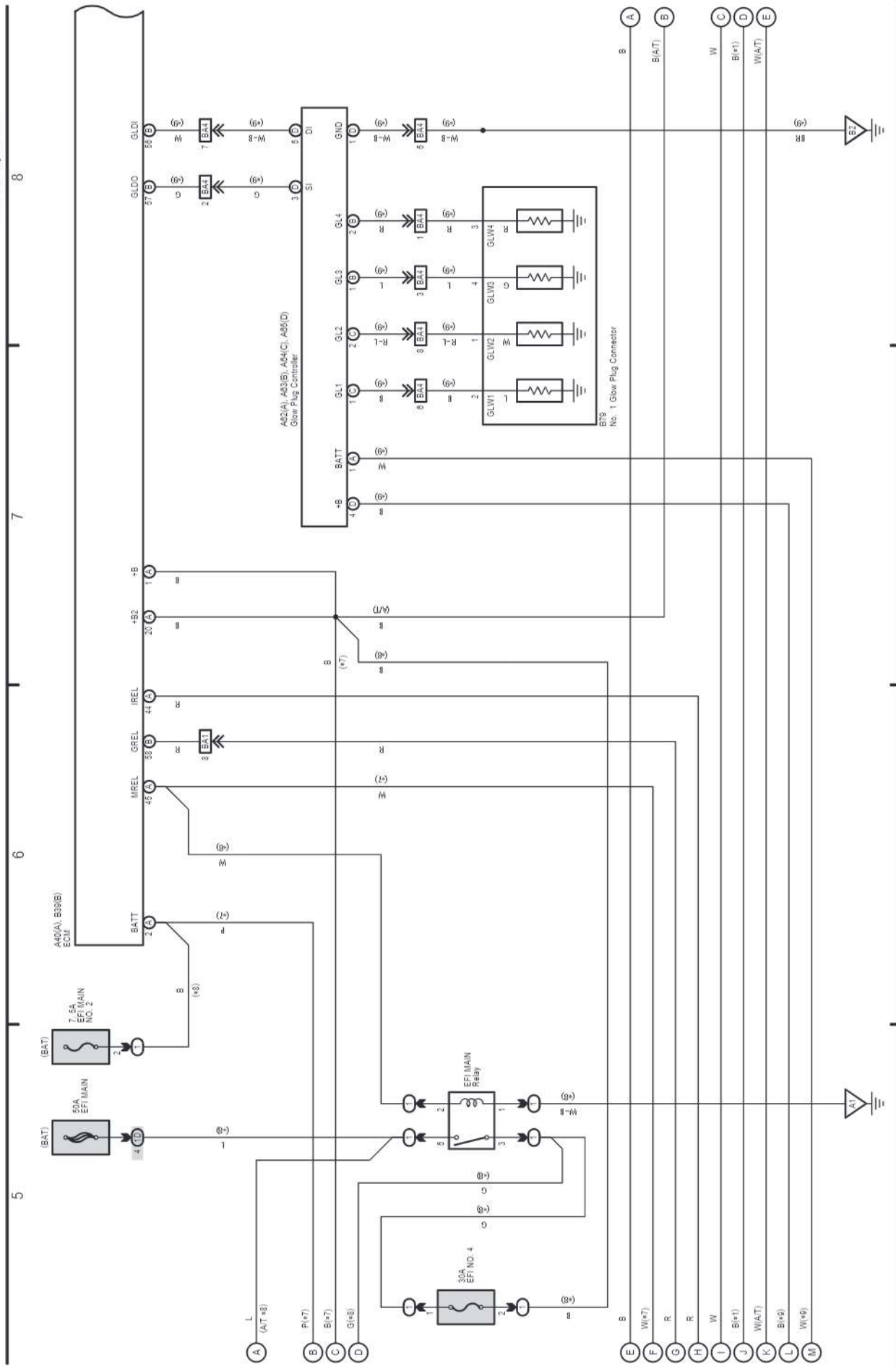
AVENSIS (EM11S4E)

AVENSIS (EM11S4E)



- * 1 : w/ Air Fuel Ratio Sensor
- * 7 : Before Nov. 2011 Production
- * 8 : From Nov. 2011 Production
- * 9 : w/ Glow Plug Controller

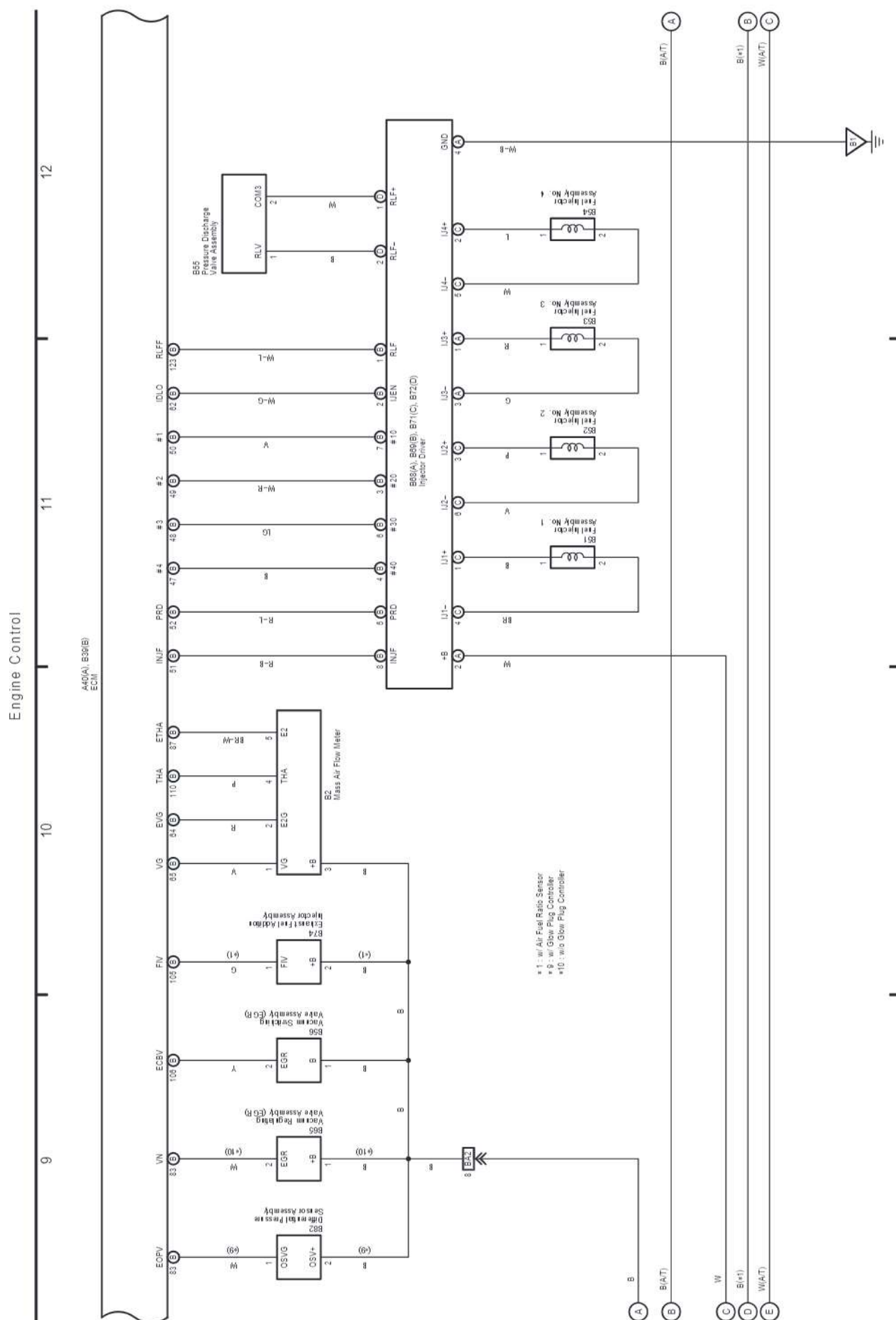
Engine Control



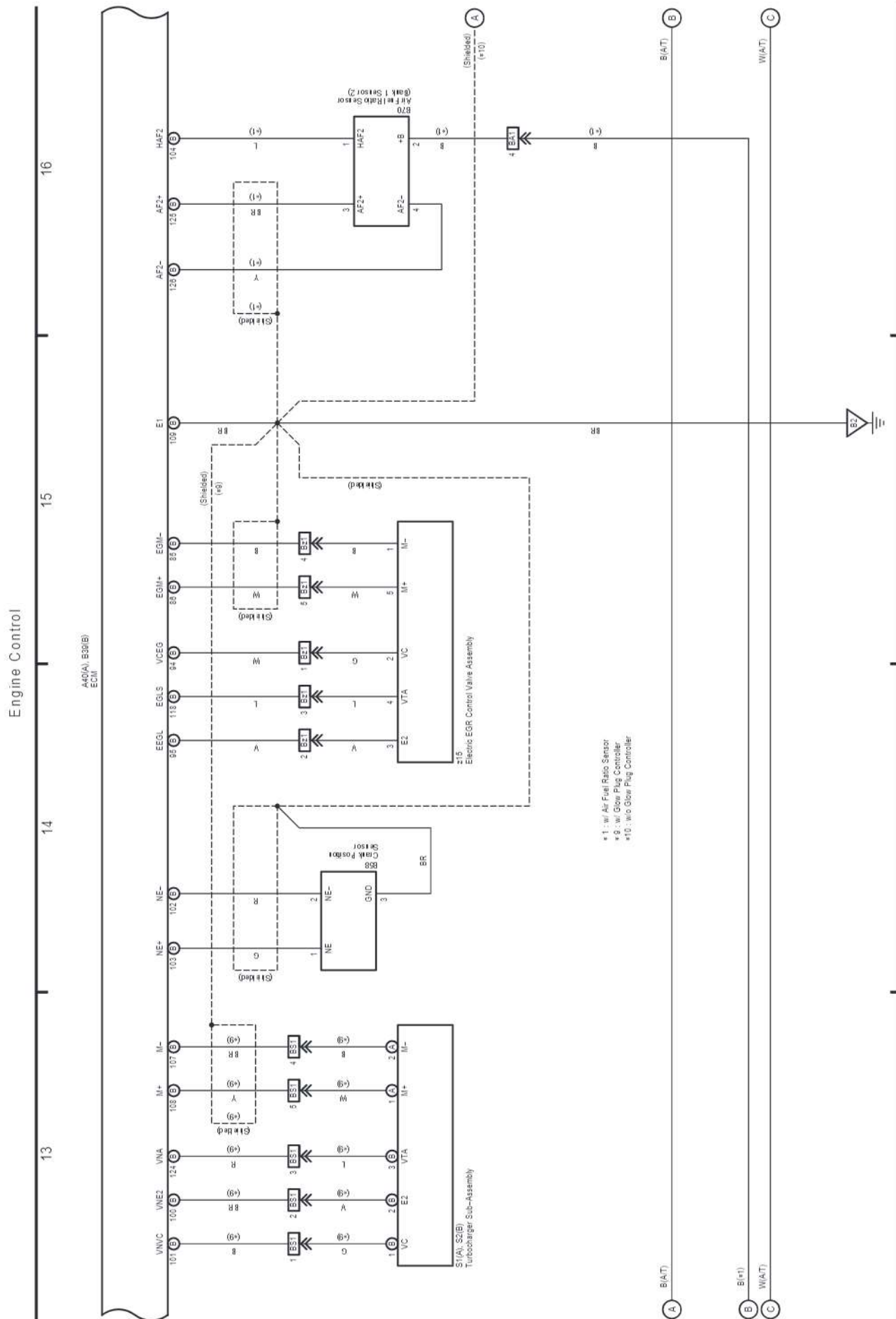
M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

11 AVENSIS (Cont' d)



AVENSIS (EM11S4E)





Engine Control

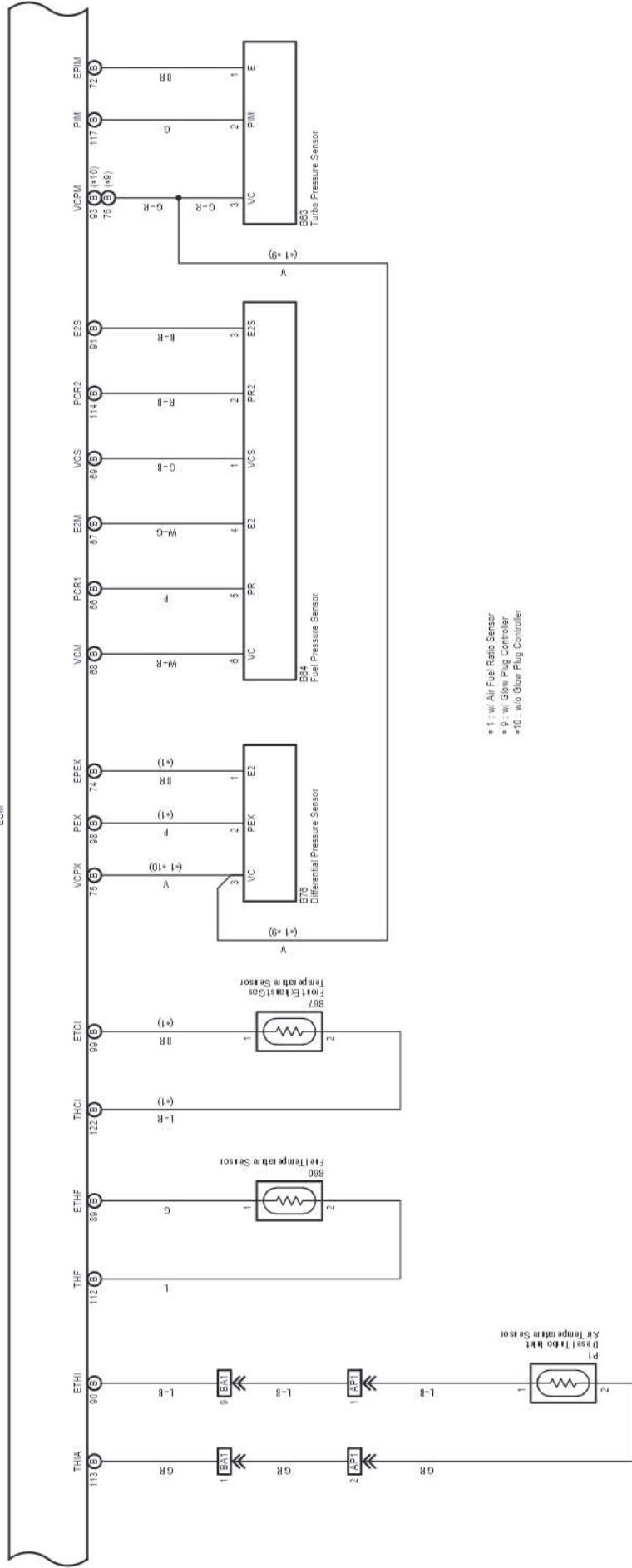
21

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24

A40(A), B30(B)
ECM



B (A/T)

B (A/T)

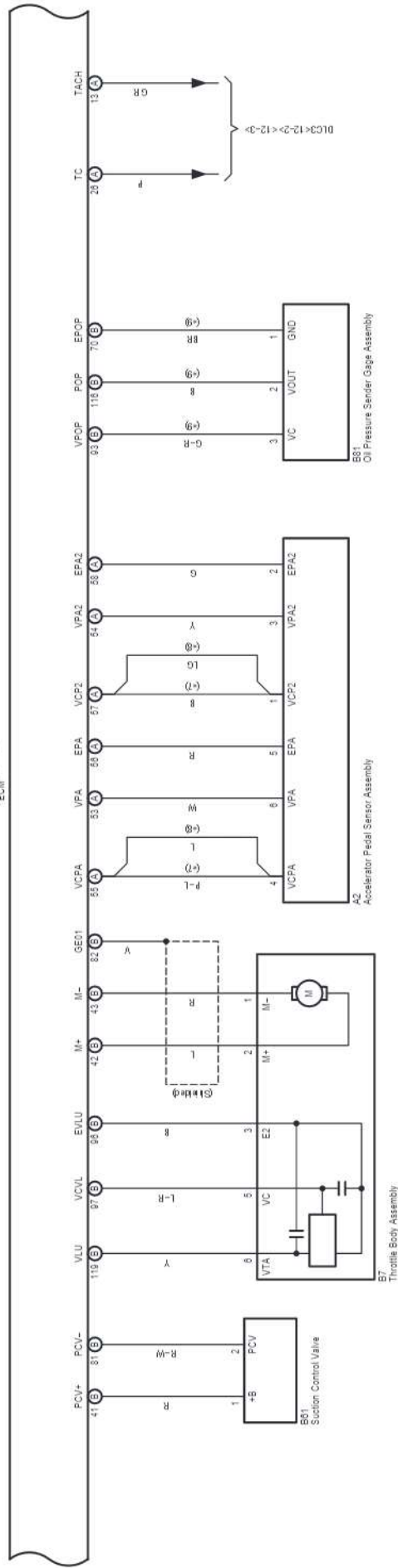
W (A/T)

W (A/T)

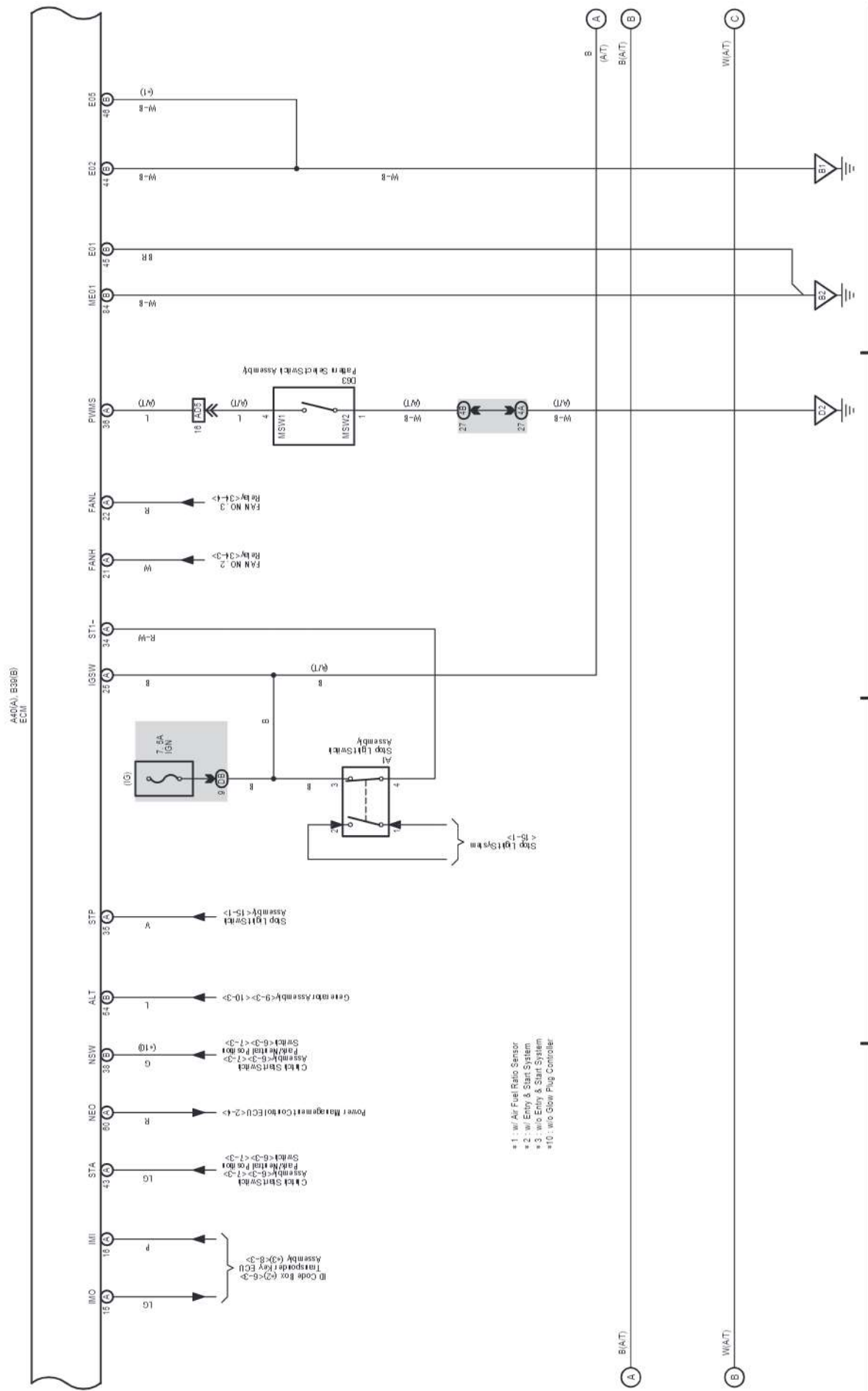
* 7 : Before Nov. 2011 Production
* 8 : From Nov. 2011 Production
* 9 : w/ Glow Plug Controller.

Engine Control

A40(A) B38(B)
ECN



A vertical number line with tick marks at 29, 30, 31, and 32.



M OVERALL ELECTRICAL WIRING DIAGRAM

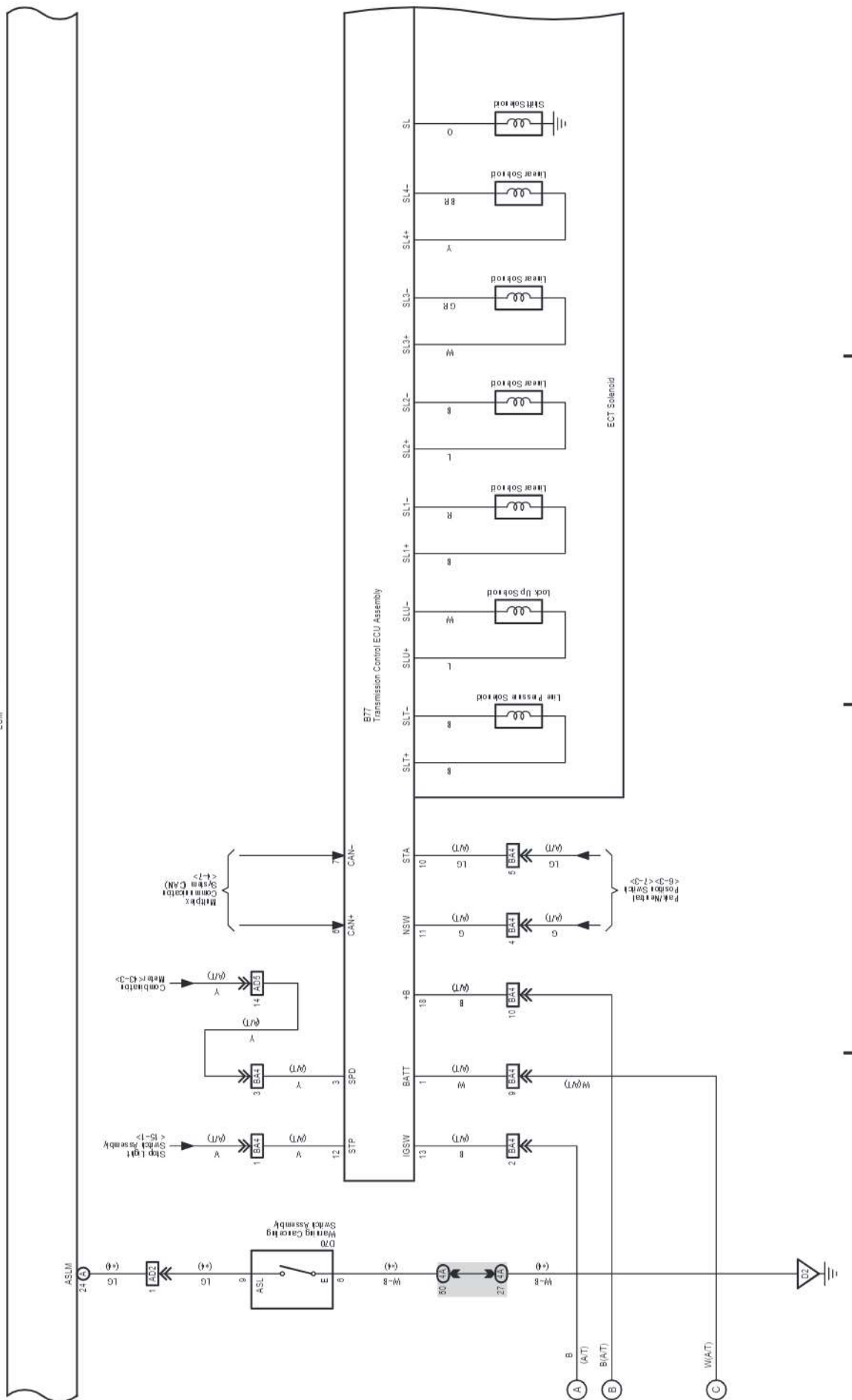
(Cont. next page)

11 AVENSIS (Cont' d)

ECT and A/T Indicator

* 4 : w/ Warning Canceling Switch Assembly

A40(A), B30(B)
ECM



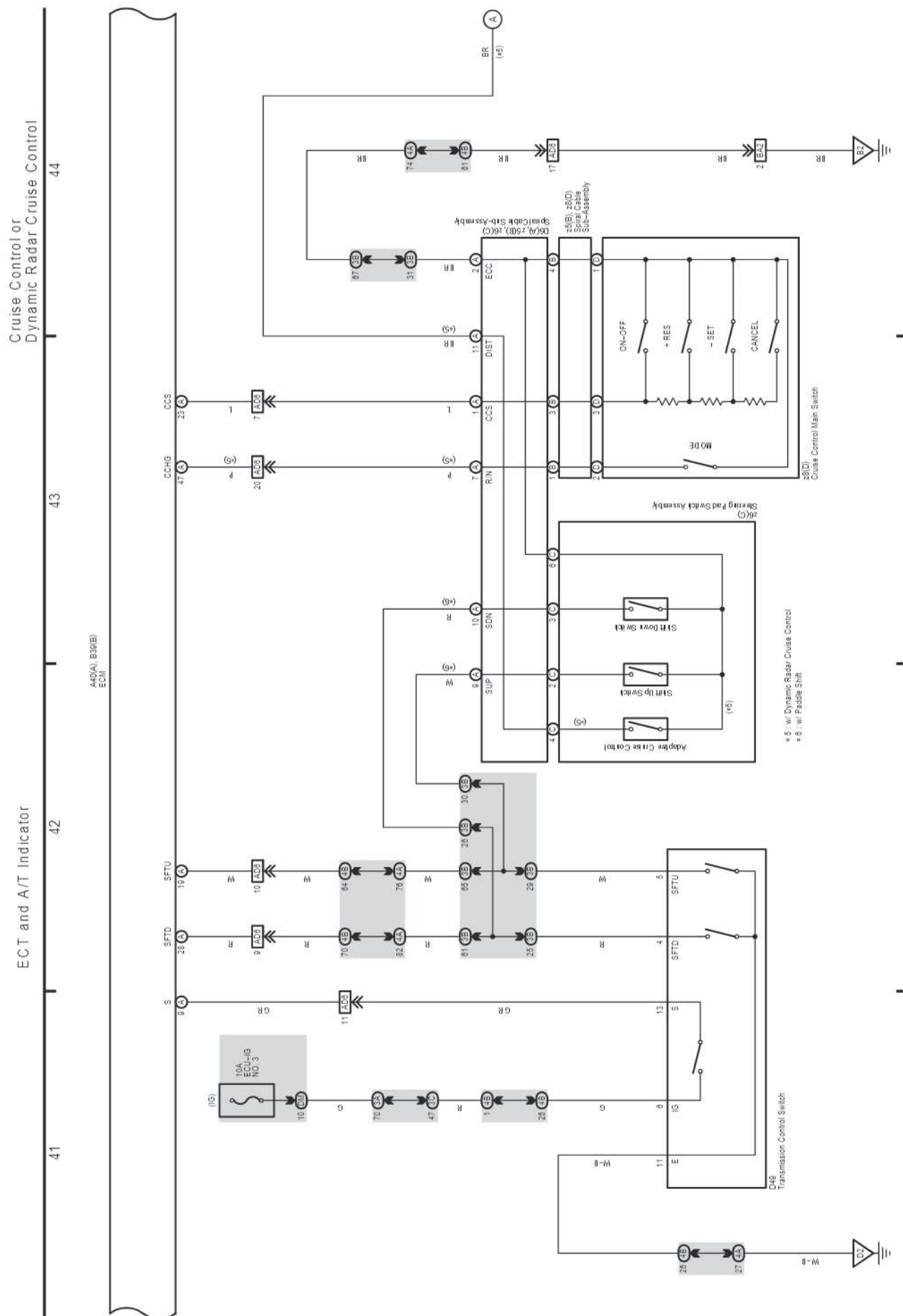
AVENSIS (EM11S4E)



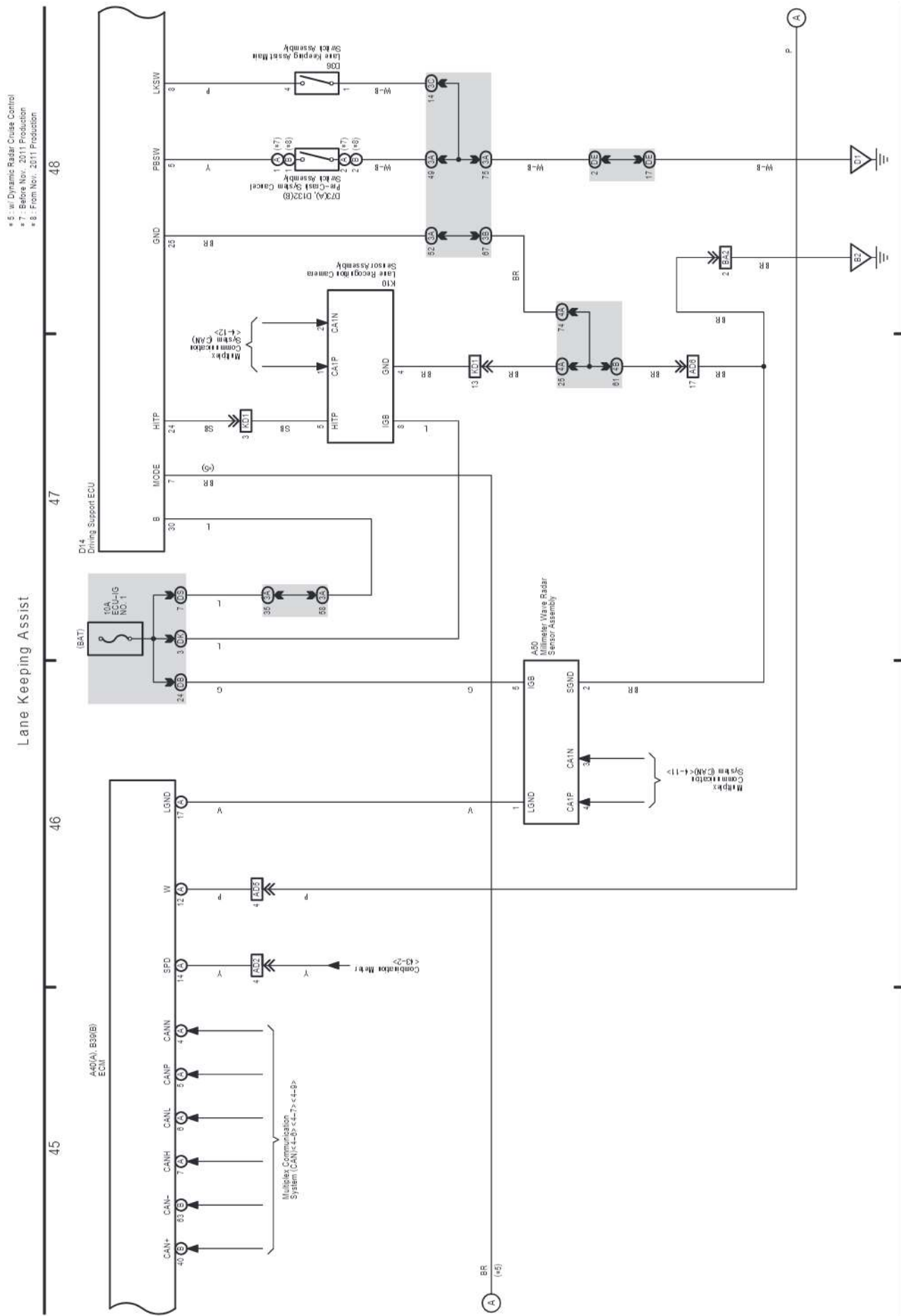
M OVERALL ELECTRICAL WIRING DIAGRAM

11 AVENSIS (Cont' d)

(Cont. next page)

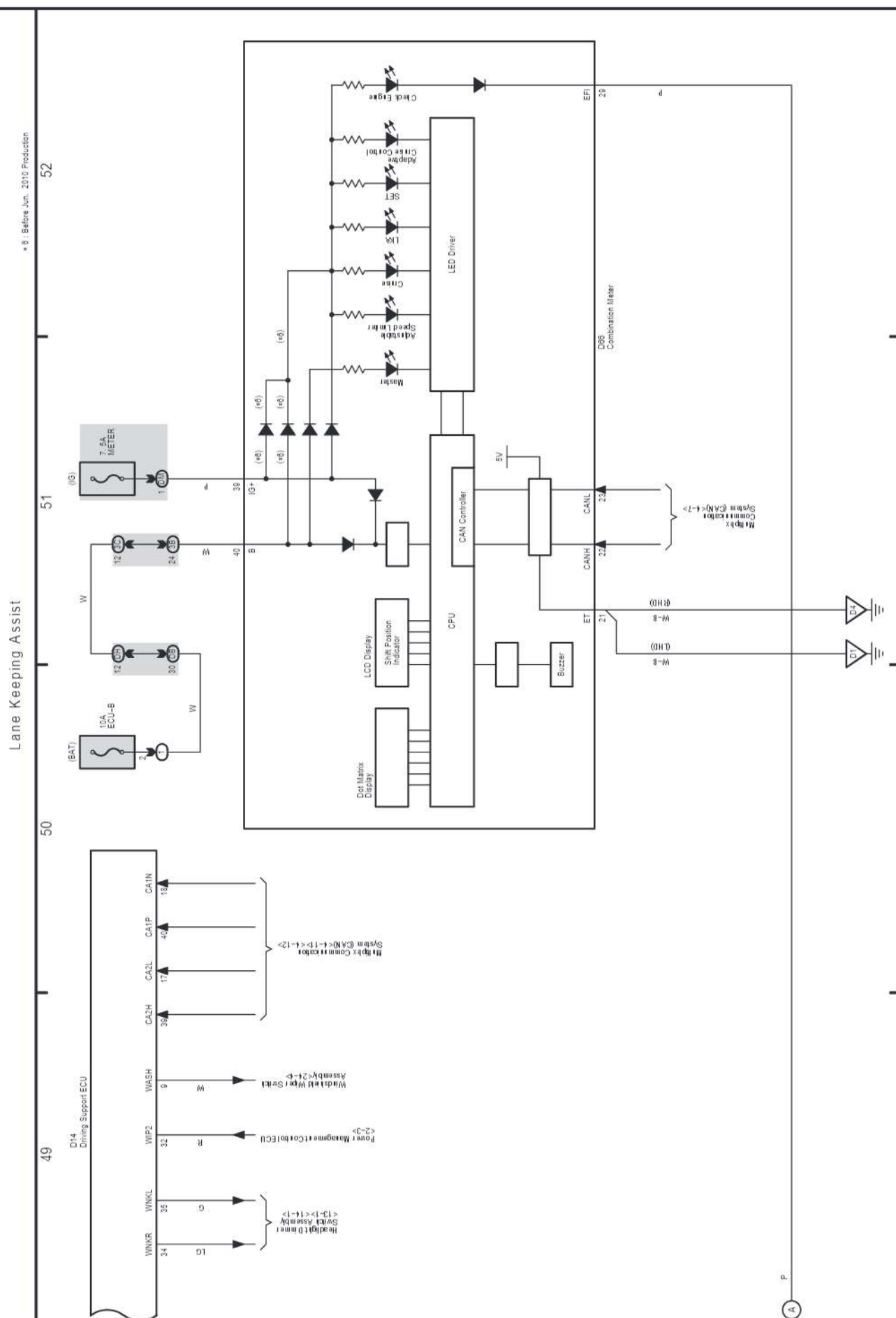


AVENSIS (EM11S4E)

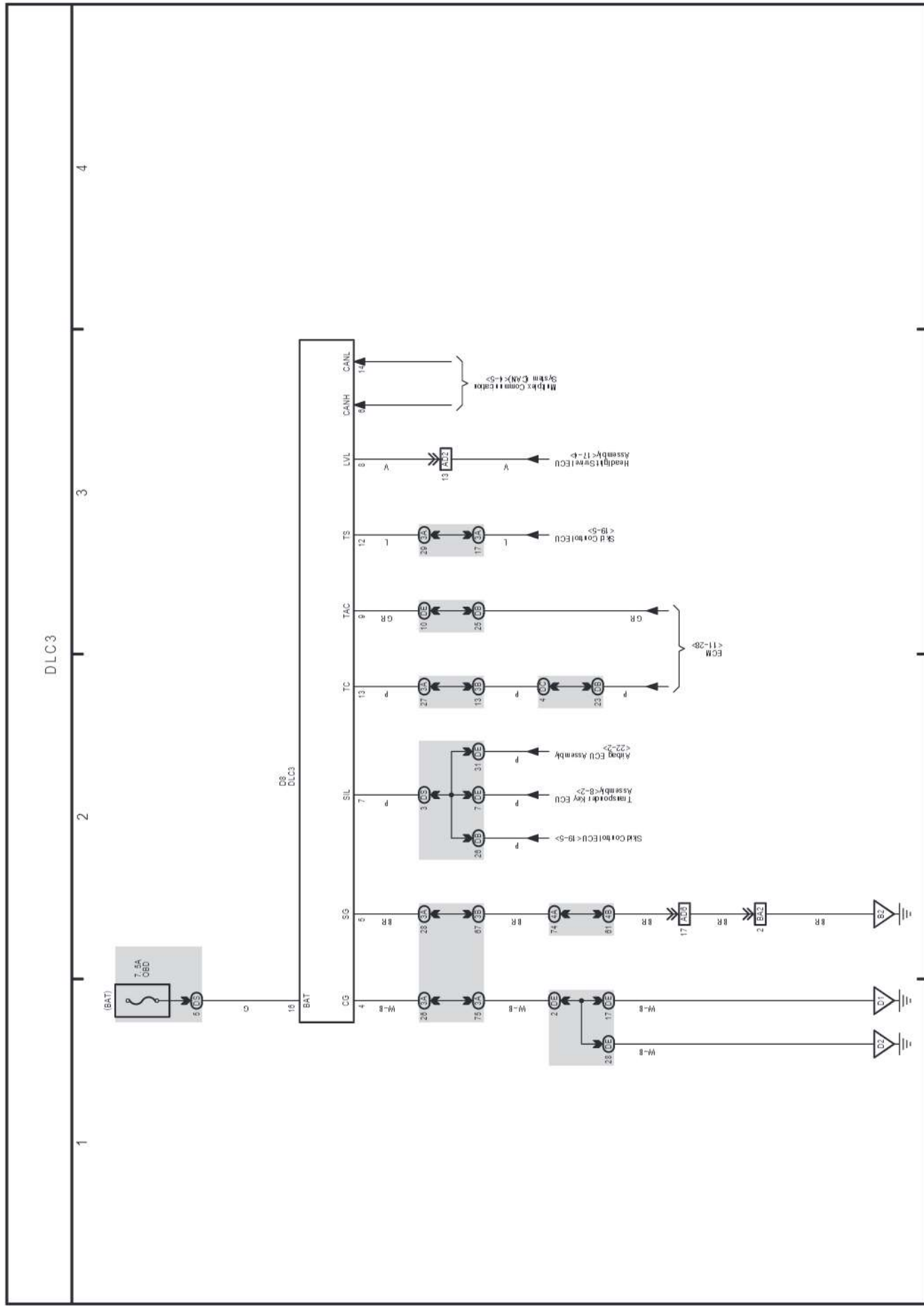


M OVERALL ELECTRICAL WIRING DIAGRAM

11 AVENSIS (Cont' d)



AVENSIS (EM11S4E)

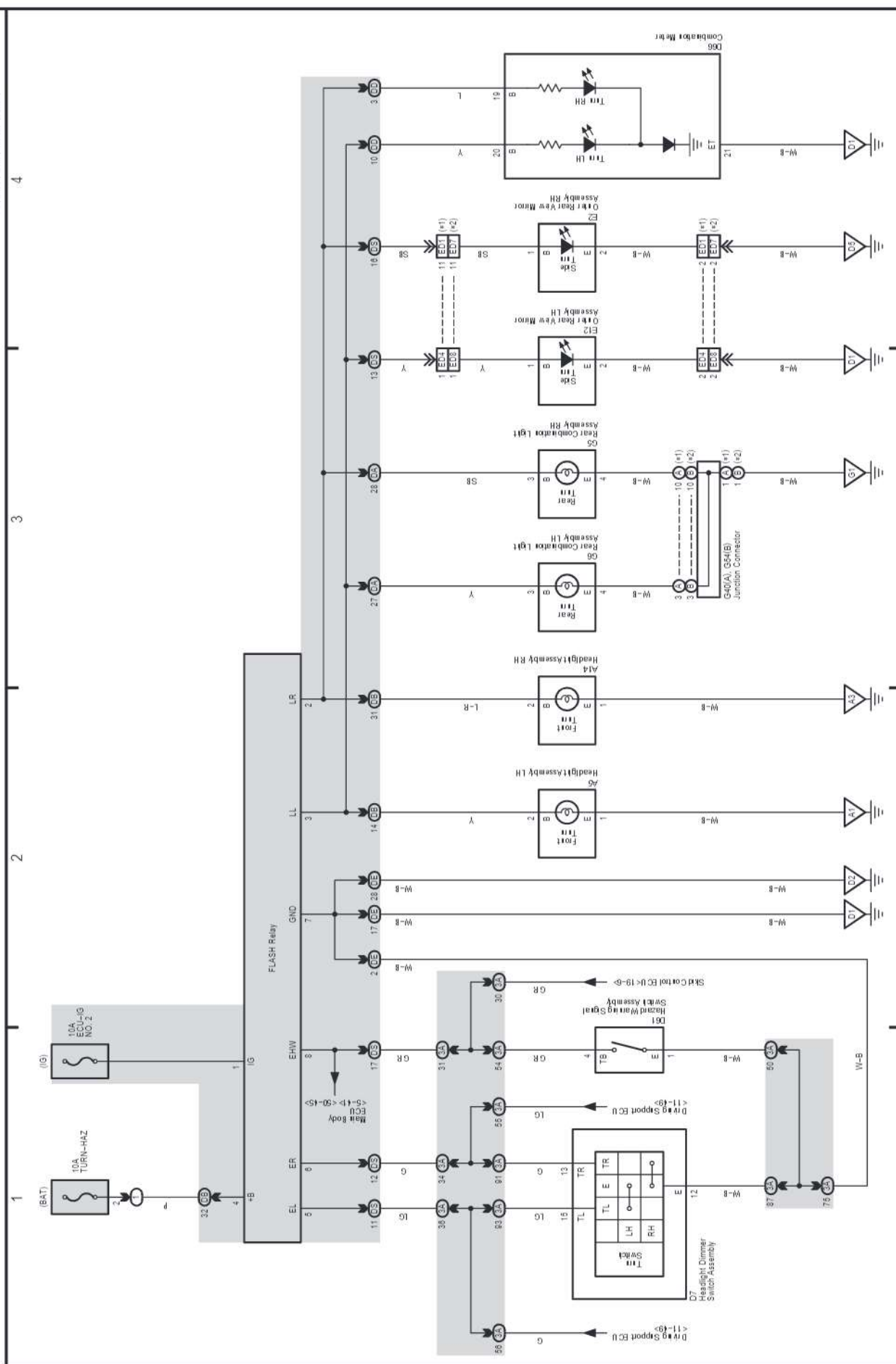


M OVERALL ELECTRICAL WIRING DIAGRAM

13 AVENSIS

Turn Signal and Hazard Warning Light (LHD)

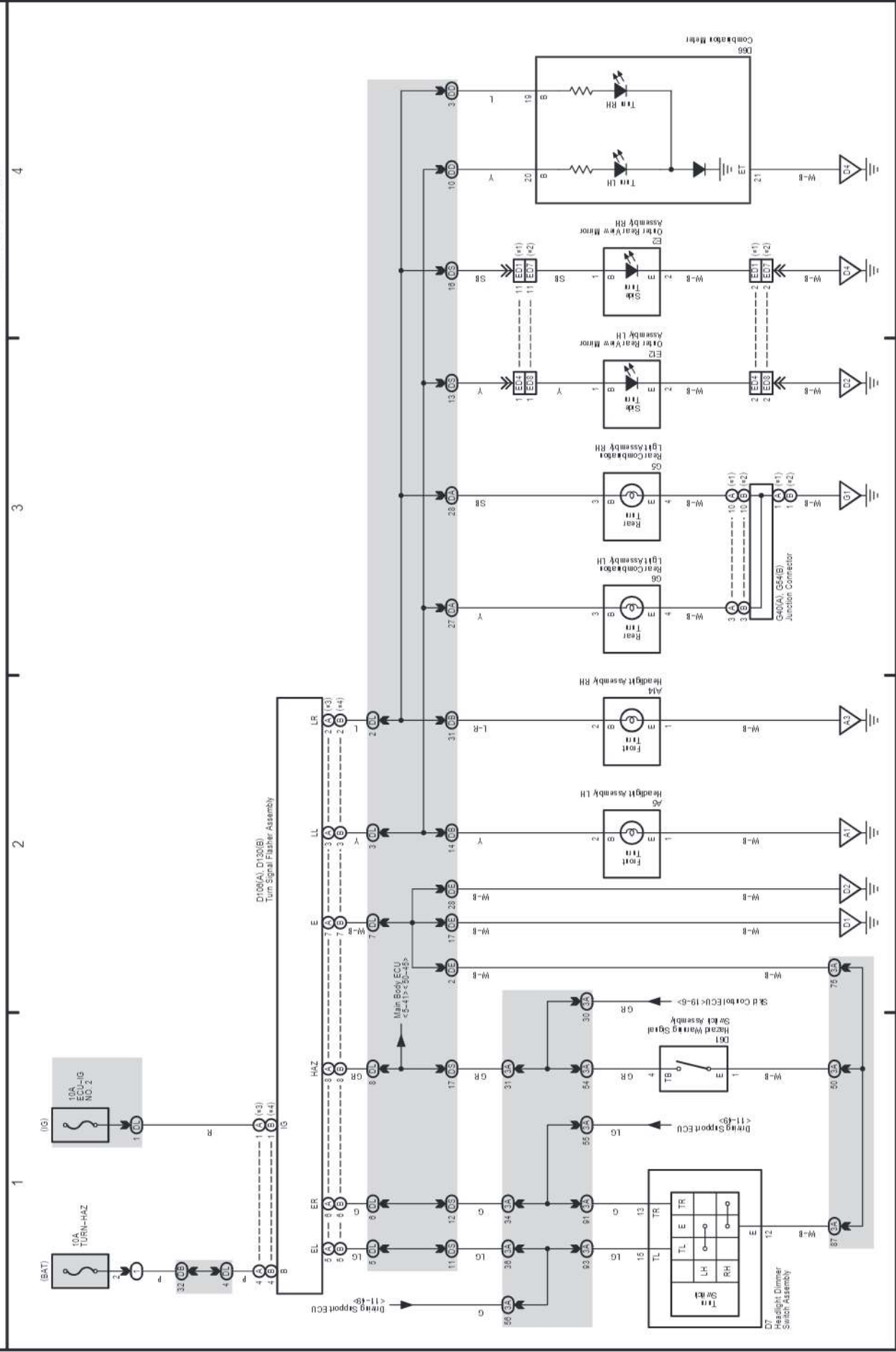
* 1 : Before Jun. 2010 Production
* 2 : From Jun. 2010 Production



AVENSIS (EM11S4E)

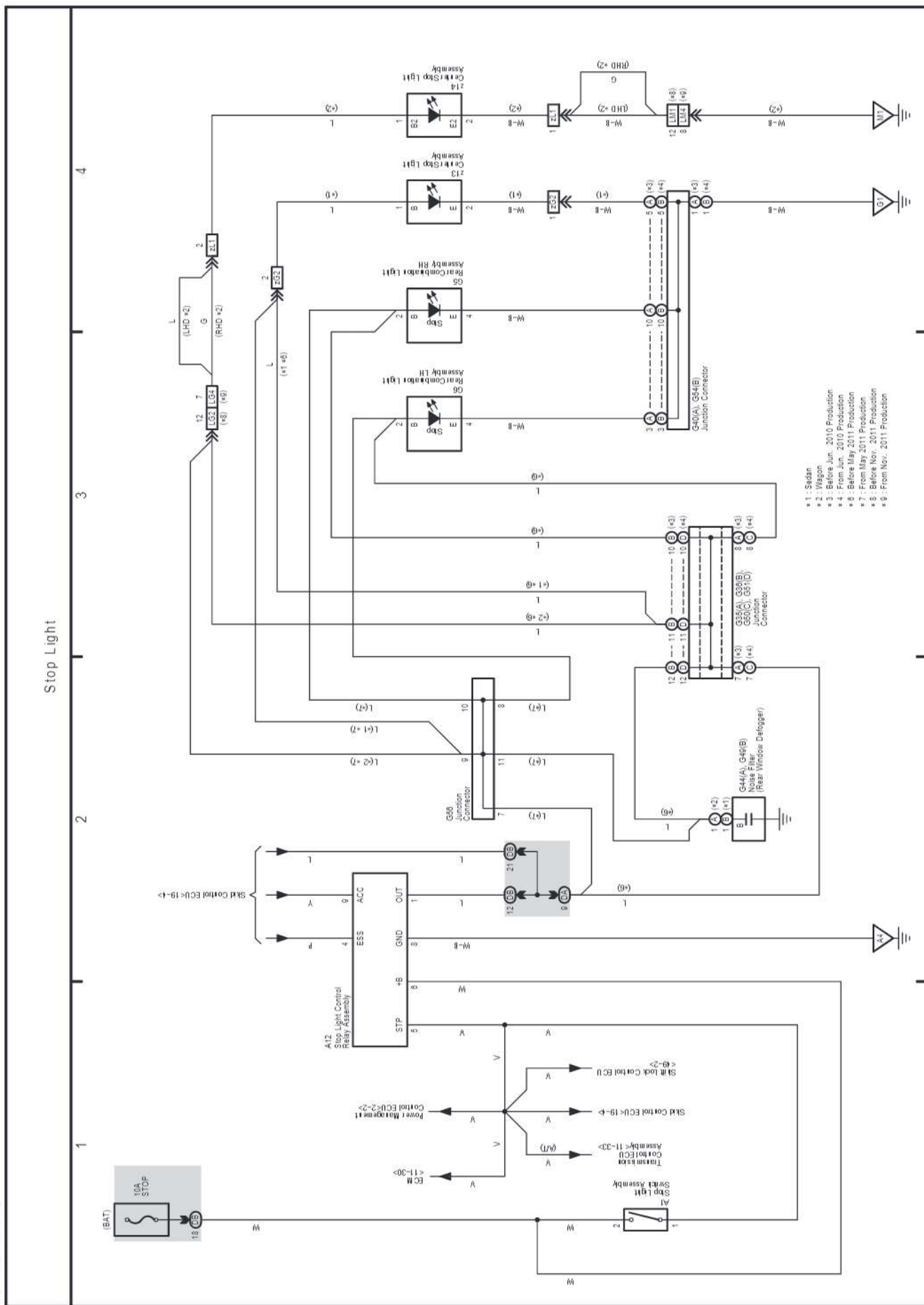
Turn Signal and Hazard Warning Light (RHD)

* 1: Before Jun. 2010 Production
 * 2: From Jun. 2010 Production
 * 3: Before Nov. 2011 Production
 * 4: From Nov. 2011 Production



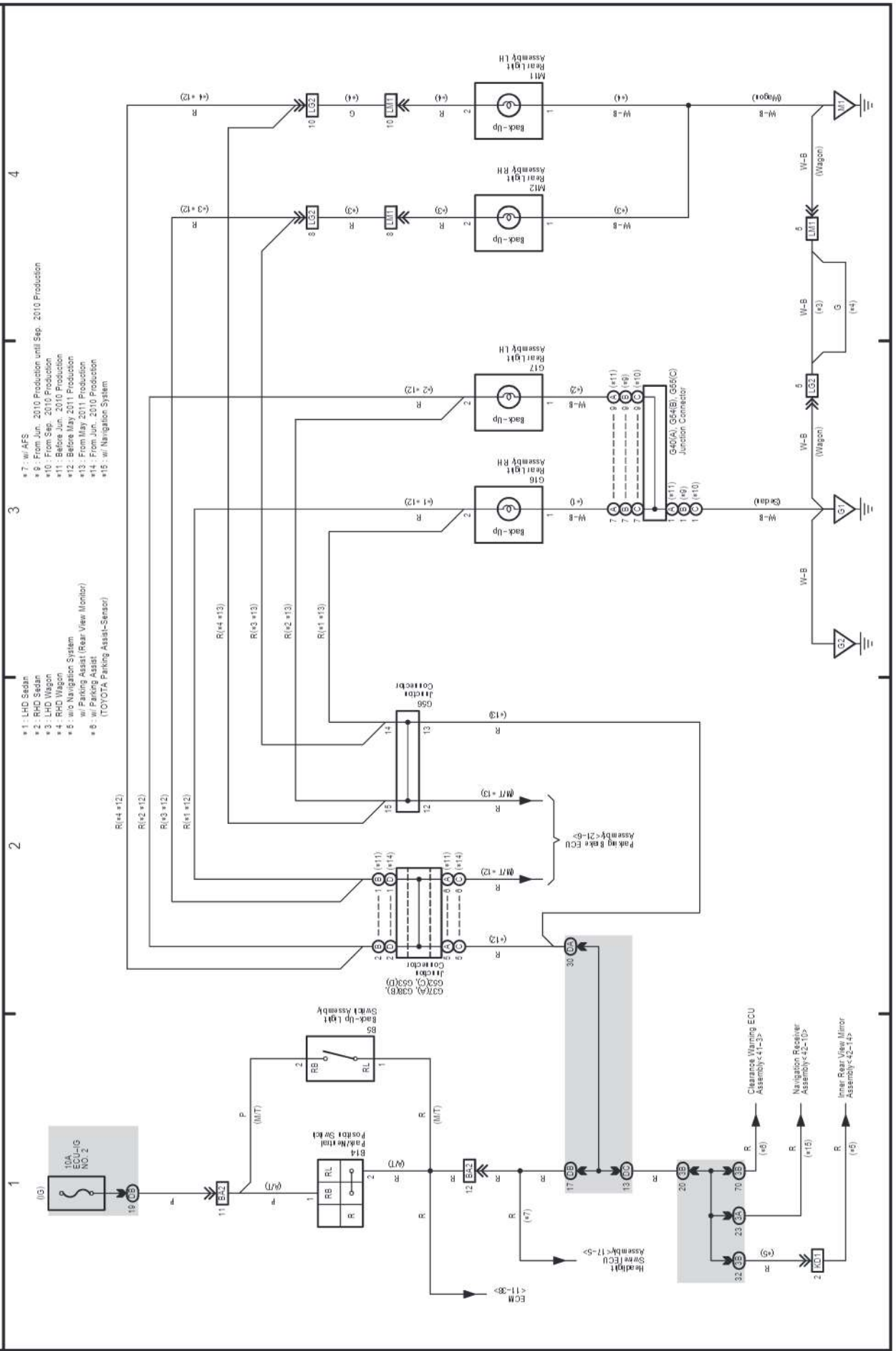
M OVERALL ELECTRICAL WIRING DIAGRAM

15 AVENSIS



AVENSIS (EM11S4E)

Back-Up Light (Before Nov. 2011 Production)



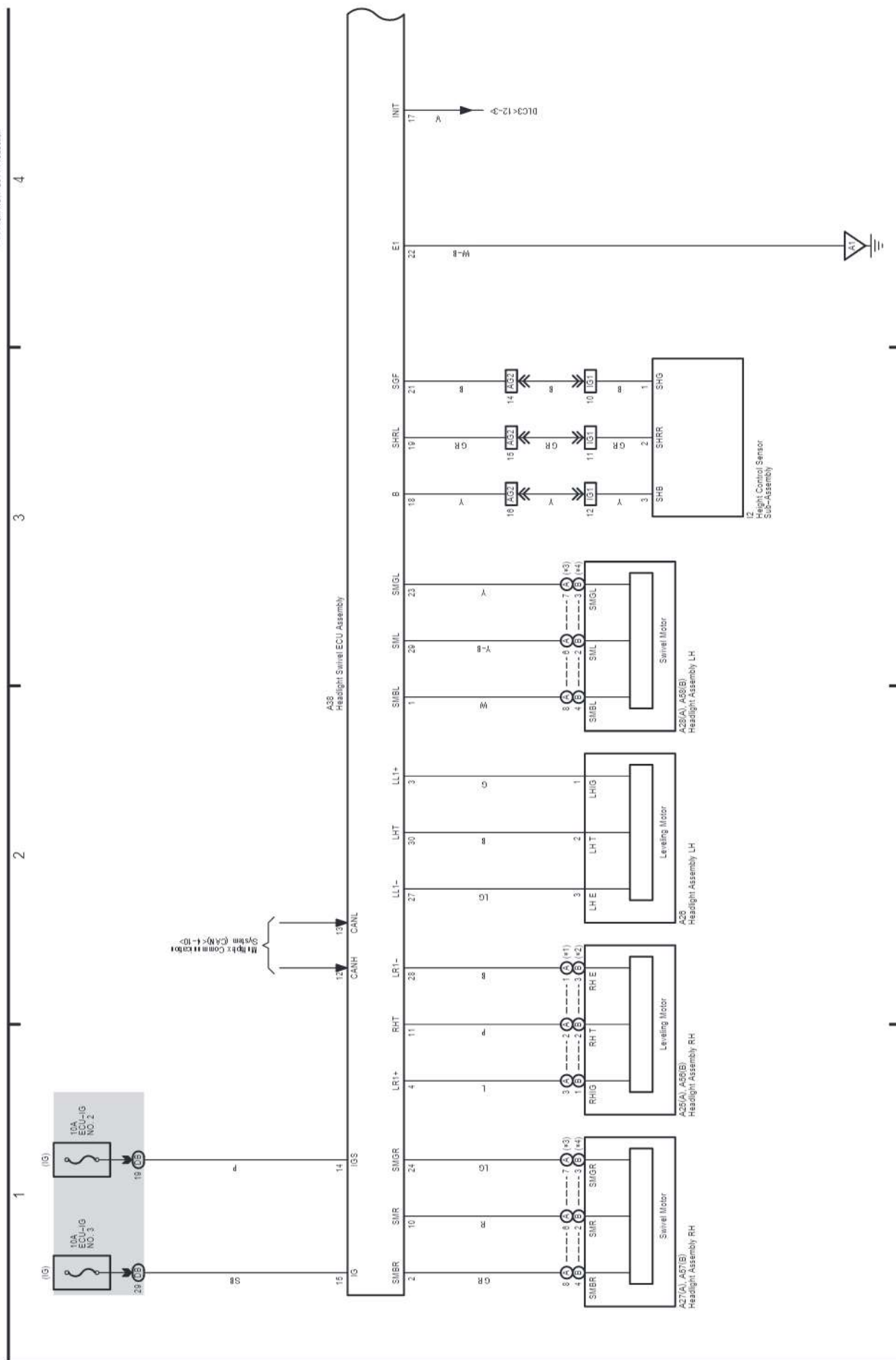
M OVERALL ELECTRICAL WIRING DIAGRAM

17 AVENSIS

(Cont. next page)

Adaptive Front-Lighting System

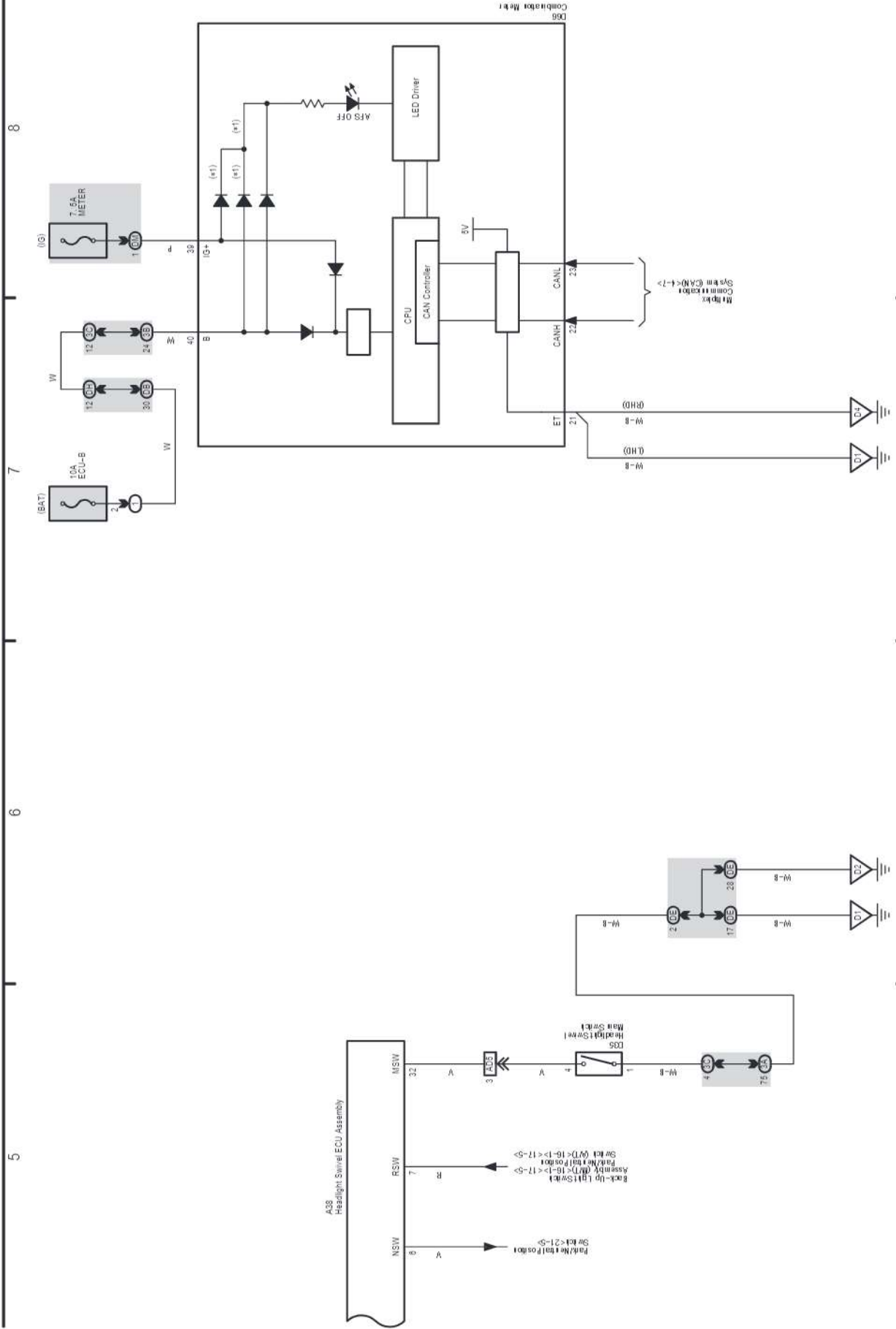
- * 1 : Before Jun. 2010 Production
- * 2 : From Jun. 2010 Production
- * 3 : Before Nov. 2011 Production
- * 4 : From Nov. 2011 Production



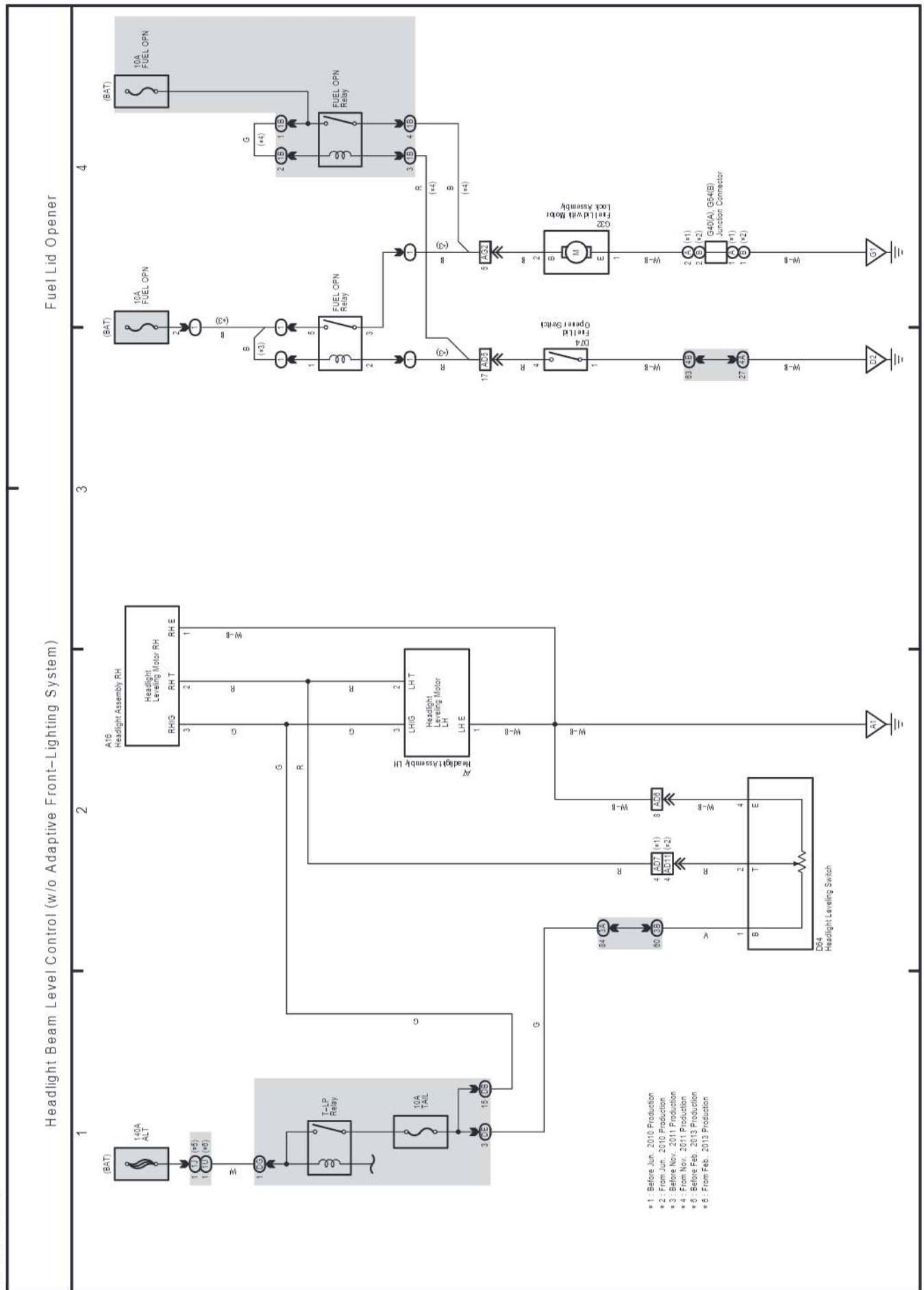
AVENSIS (EM11S4E)

Adaptive Front-Lighting System

* 1 : Before Jun. 2010 Production



M OVERALL ELECTRICAL WIRING DIAGRAM

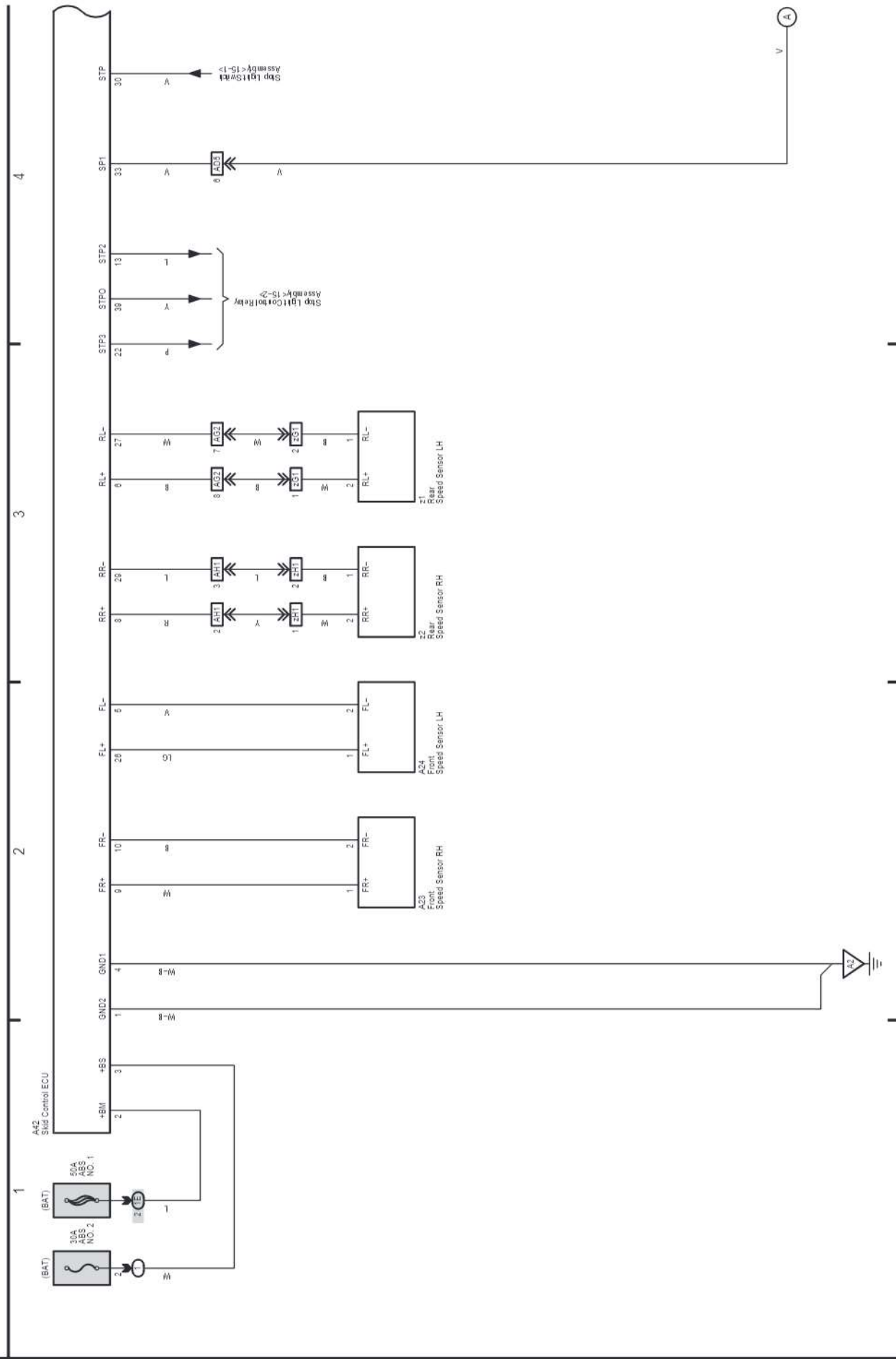


M OVERALL ELECTRICAL WIRING DIAGRAM

19 AVENSIS

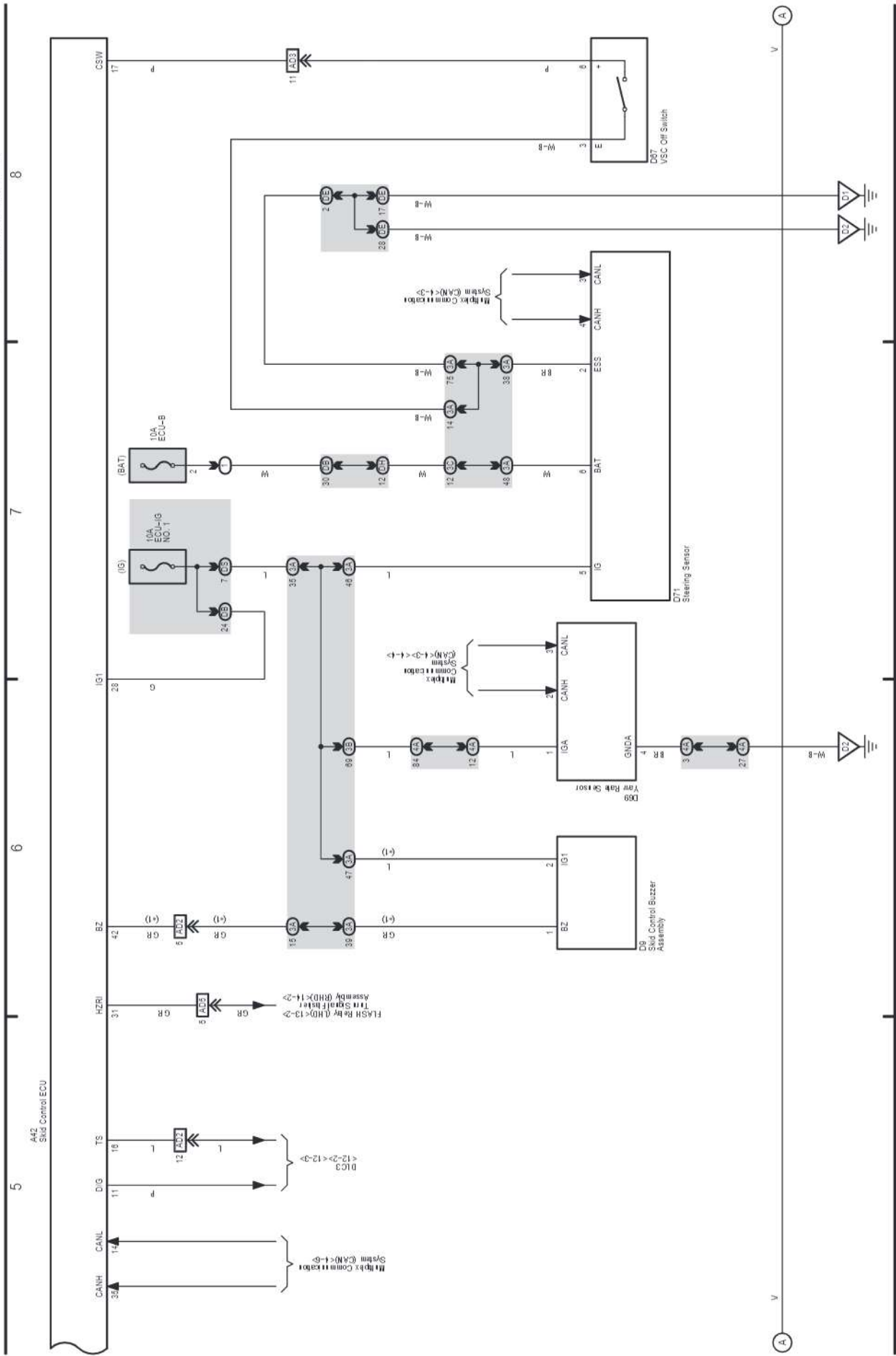
(Cont. next page)

ABS, TRC and VSC



ABS, TRC and VSC

≡ 1 : w/ Skid Control Buzzer Assembly

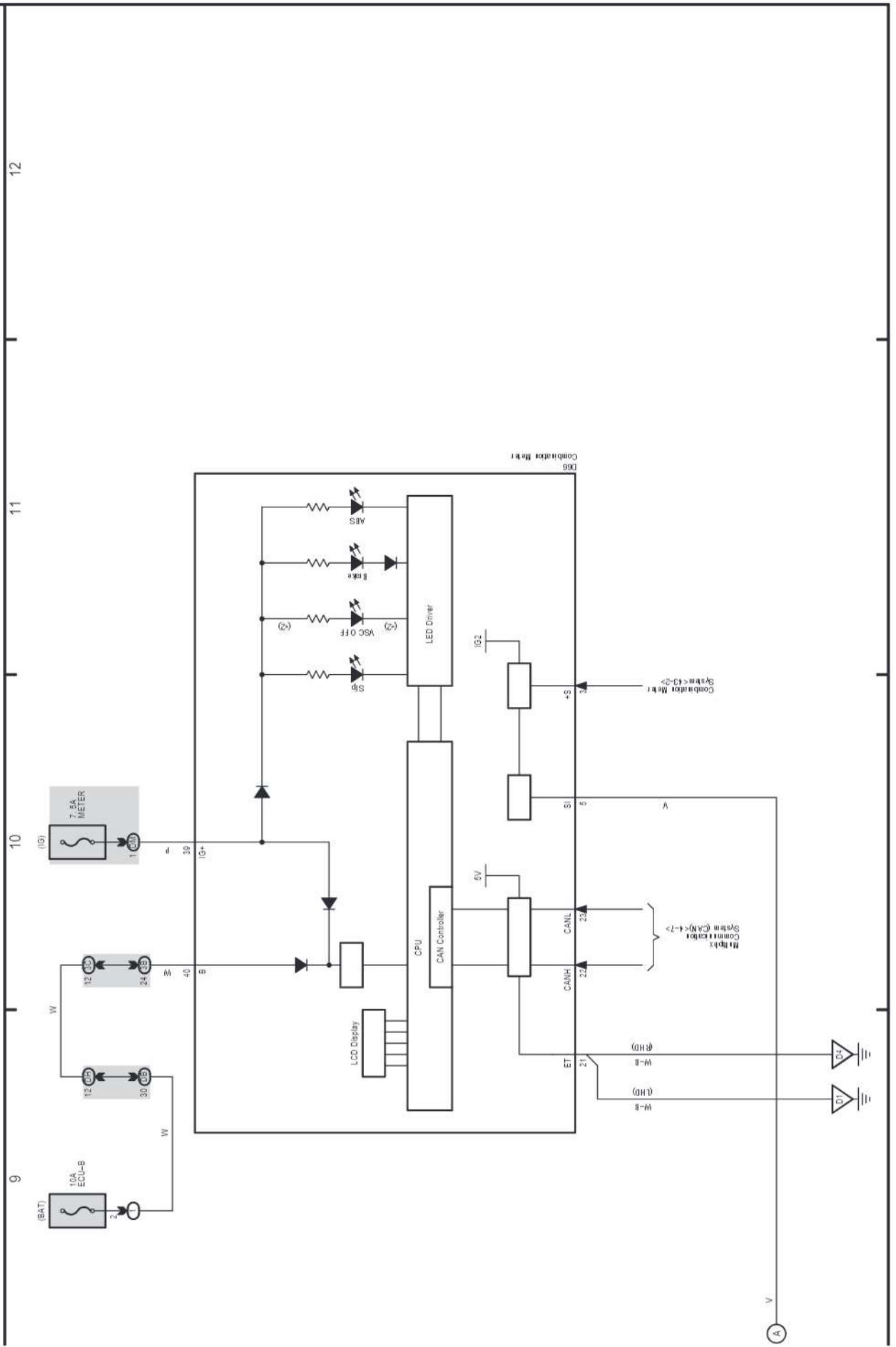


M OVERALL ELECTRICAL WIRING DIAGRAM

19 AVENSIS (Cont' d)

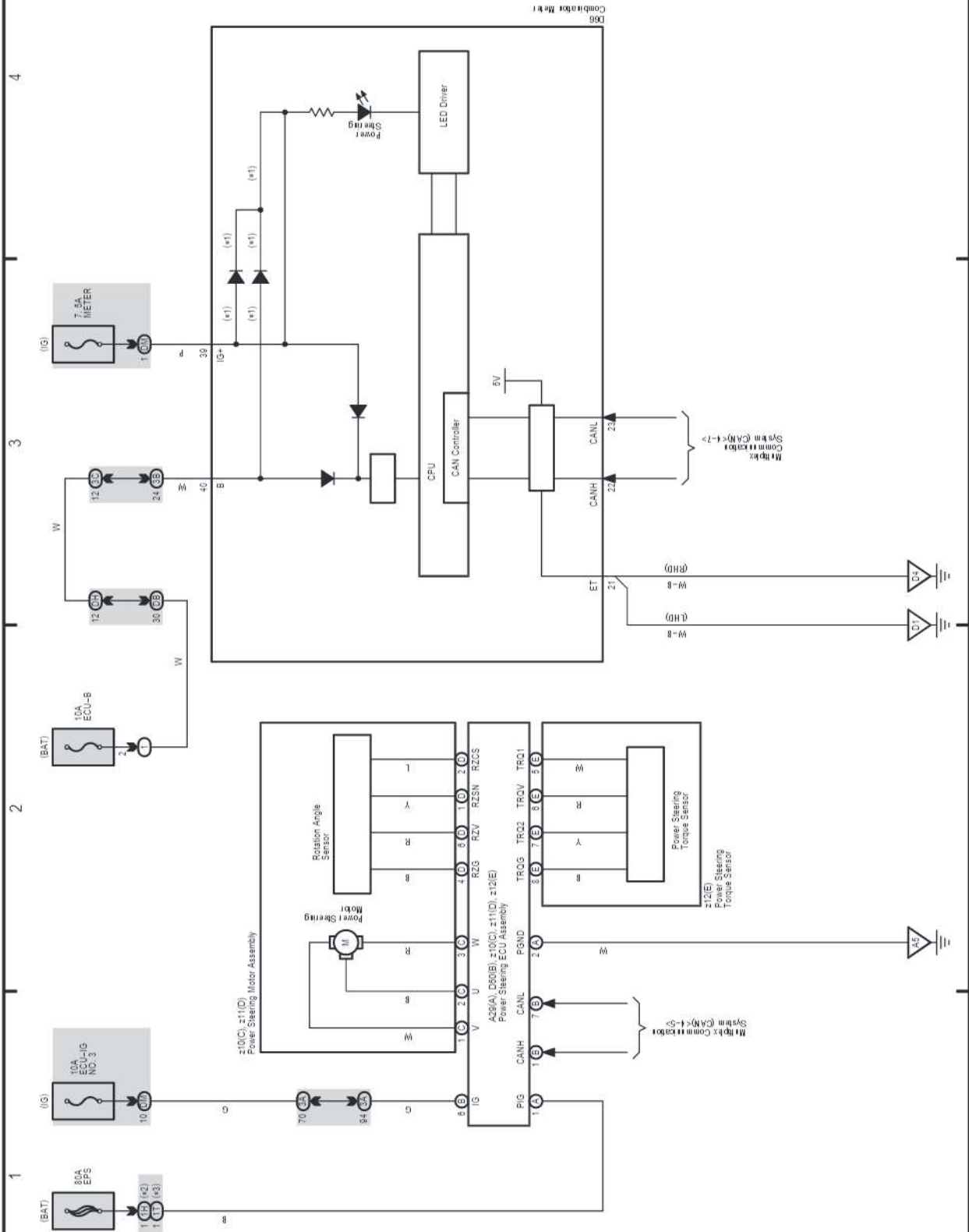
ABS, TRC and VSC

* 2 : From Feb. 2013 Production



* 1 - Before Jun. 2010 Production
 * 2 - Before Feb. 2013 Production
 * 3 - From Feb. 2013 Production

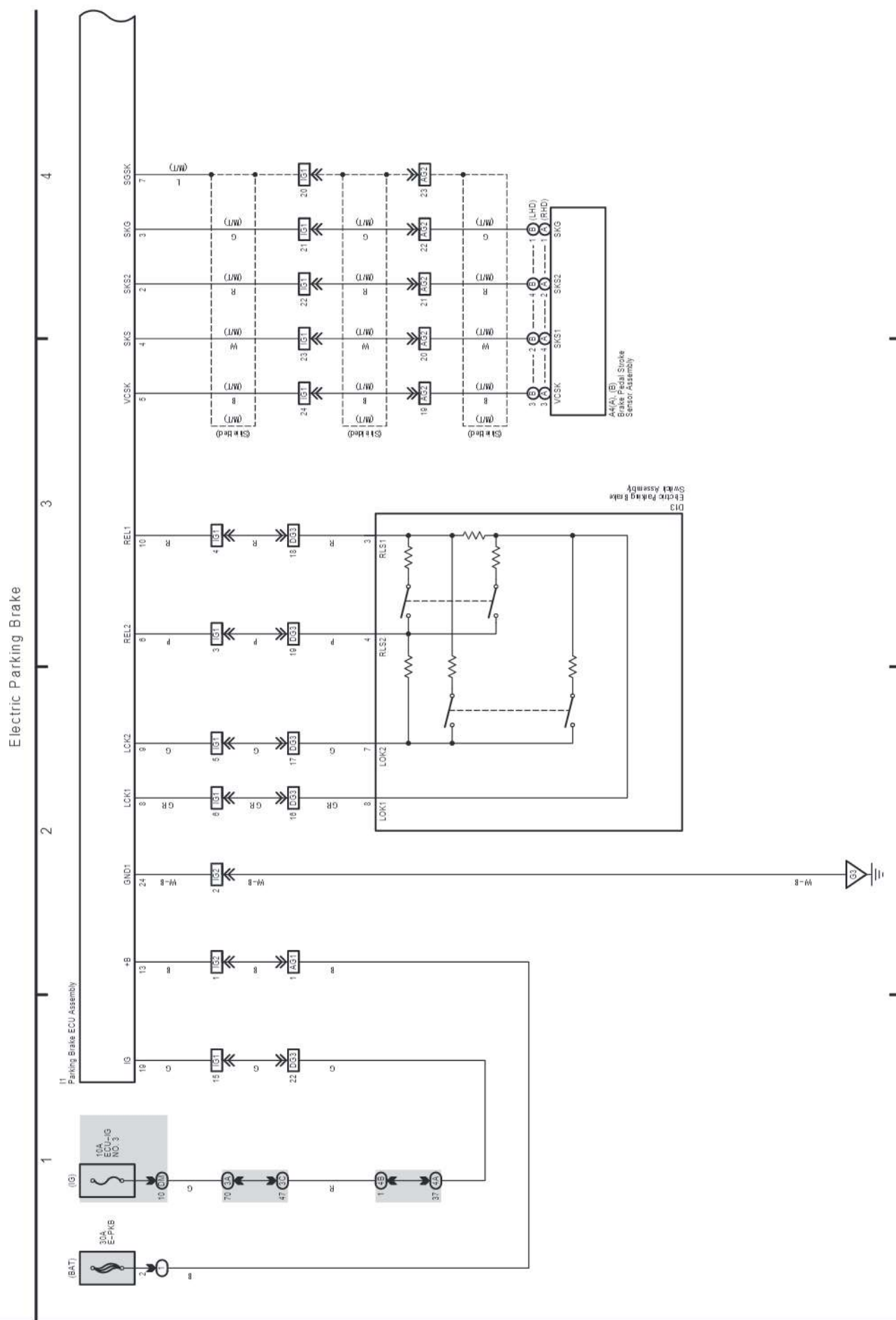
EPS



M OVERALL ELECTRICAL WIRING DIAGRAM

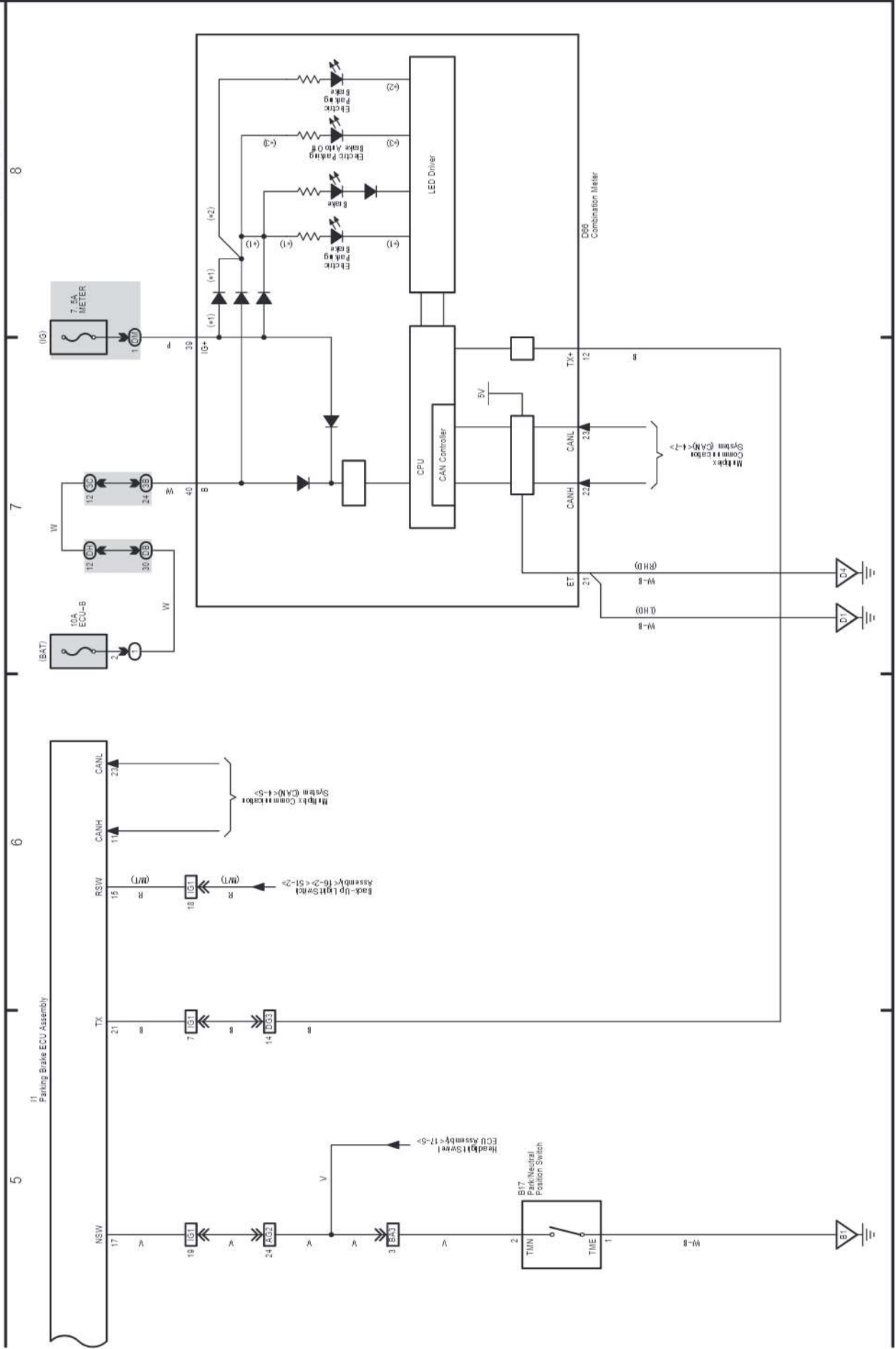
(Cont. next page)

21 AVENSIS



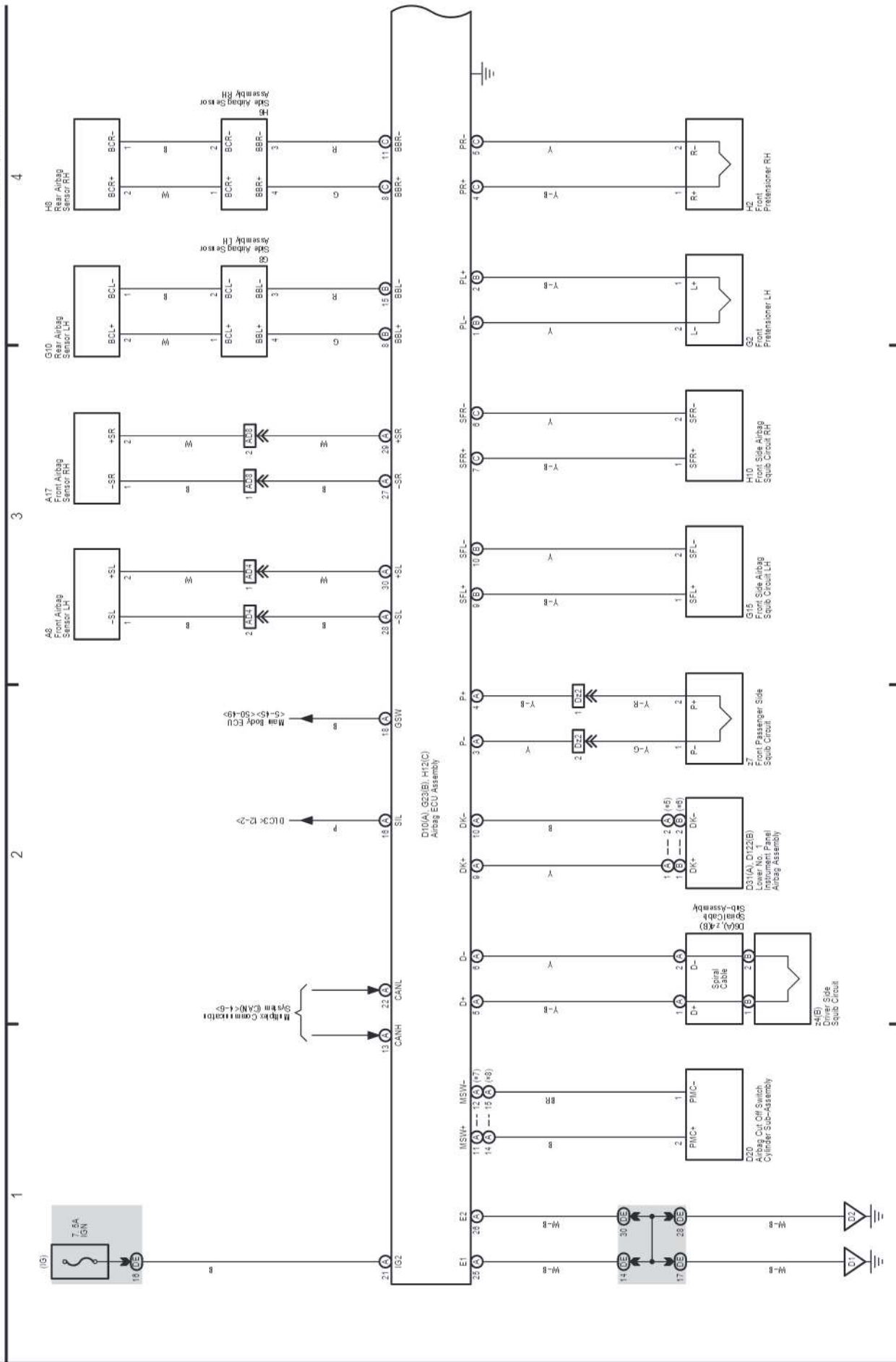
Electric Parking Brake

- * 1 : Before Jun. 2010 Production
- * 2 : From Jun. 2010 Production
- * 3 : From Nov. 2011 Production



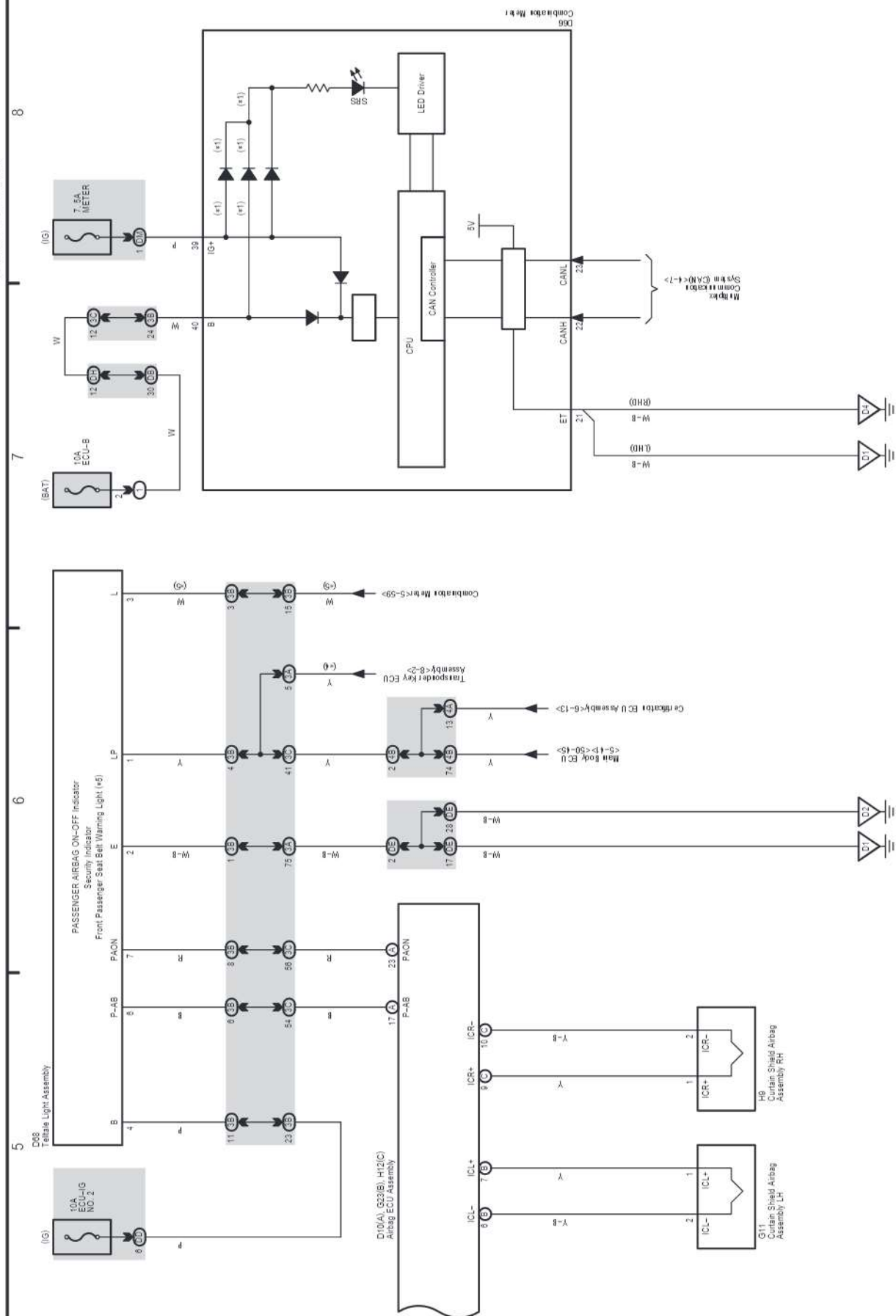
* 6 : Before Nov. 2011 Production
 * 6 : From Nov. 2011 Production
 * 7 : Before Feb. 2013 Production
 * 8 : From Feb. 2013 Production

SRS



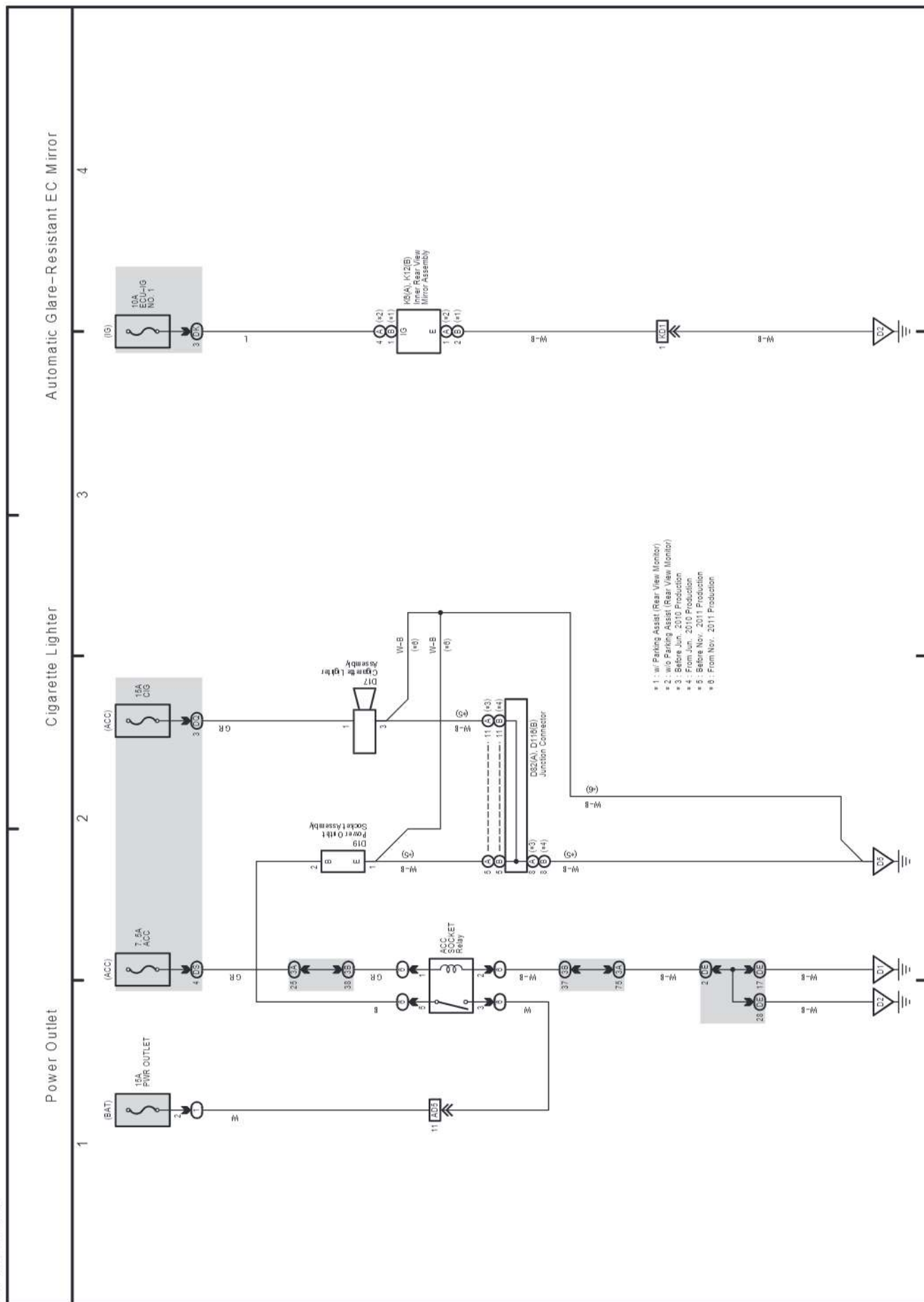
*1 : Before Jun. 2010 Production
*4 : In/Out Entry & Start System
*5 : Before Nov. 2011 Production

SRS



M OVERALL ELECTRICAL WIRING DIAGRAM

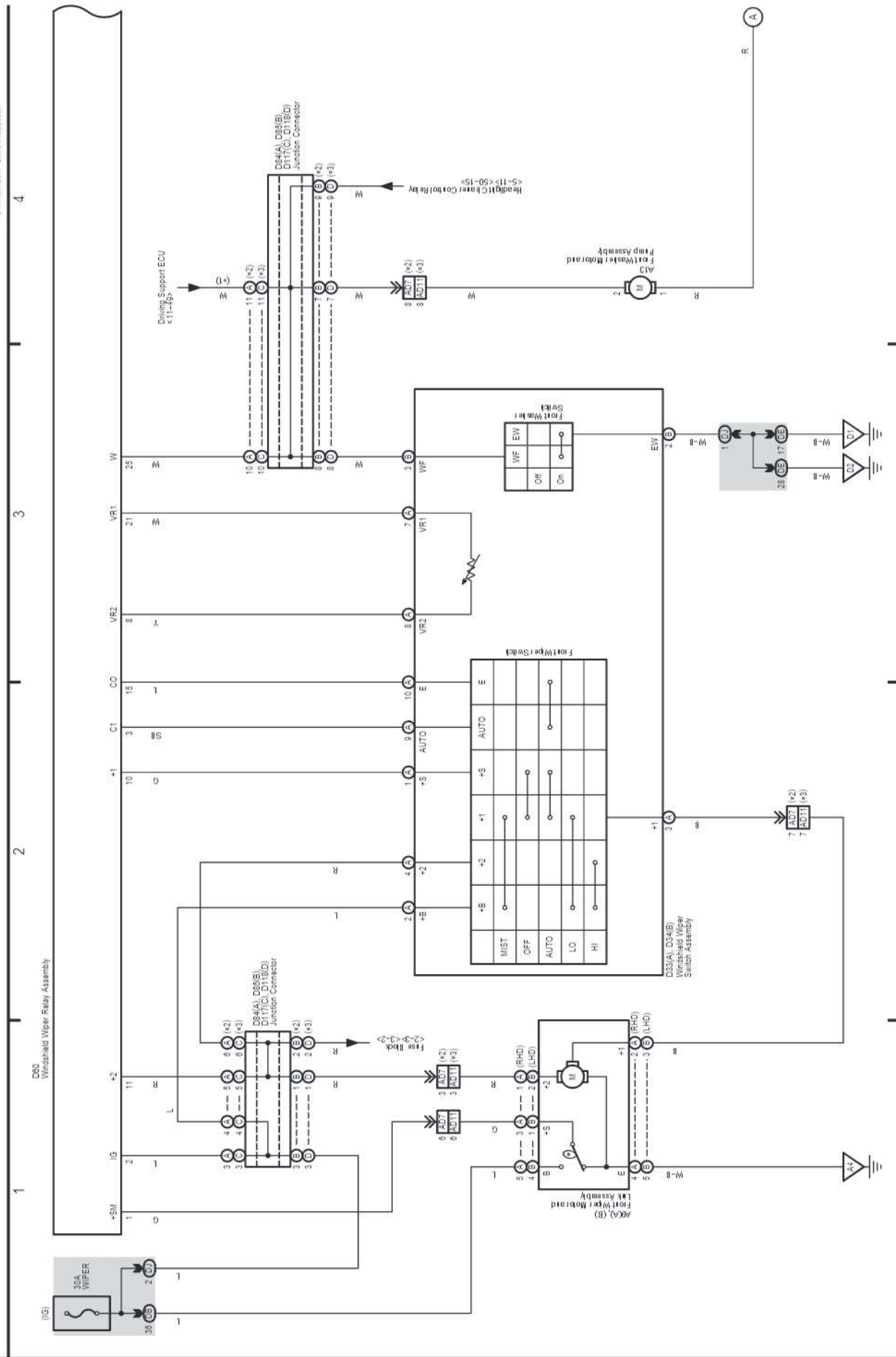
23 AVENSIS

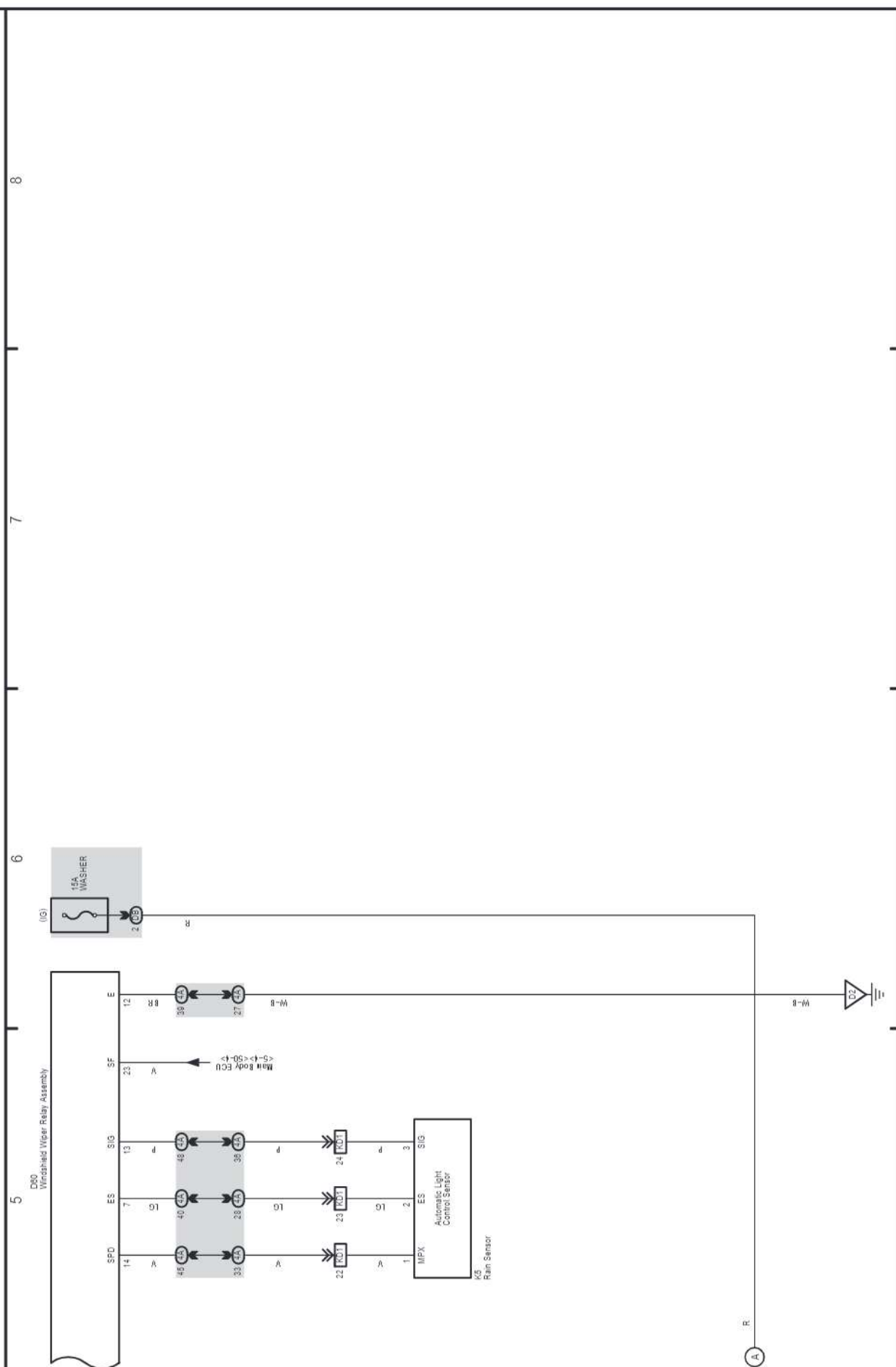


AVENSIS (EM11S4E)

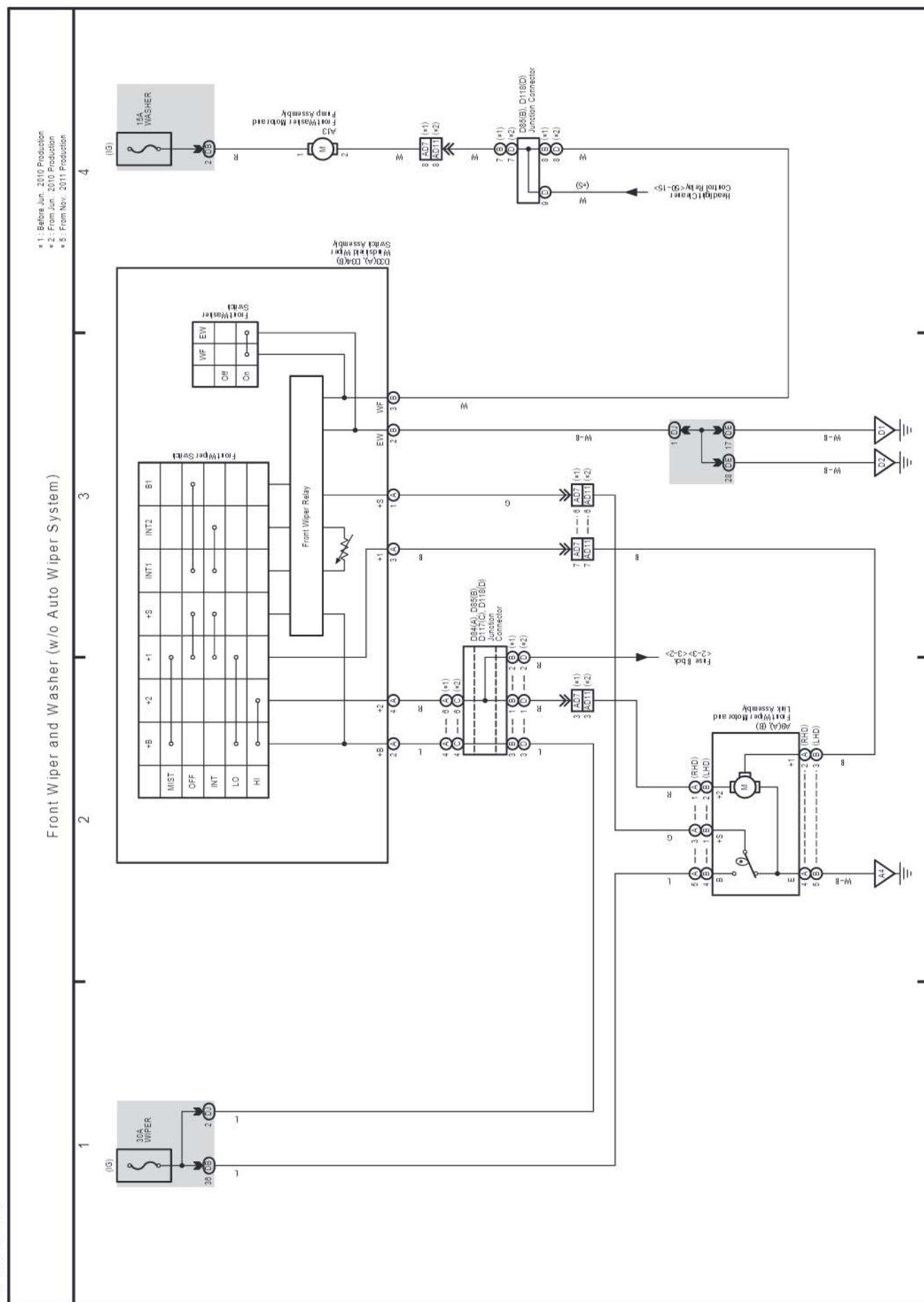
* 1 : Lane Keeping Assist System
 * 2 : Before Jun. 2010 Production
 * 3 : From Jun. 2010 Production

Front Wiper and Washer (w/ Auto Wiper System)



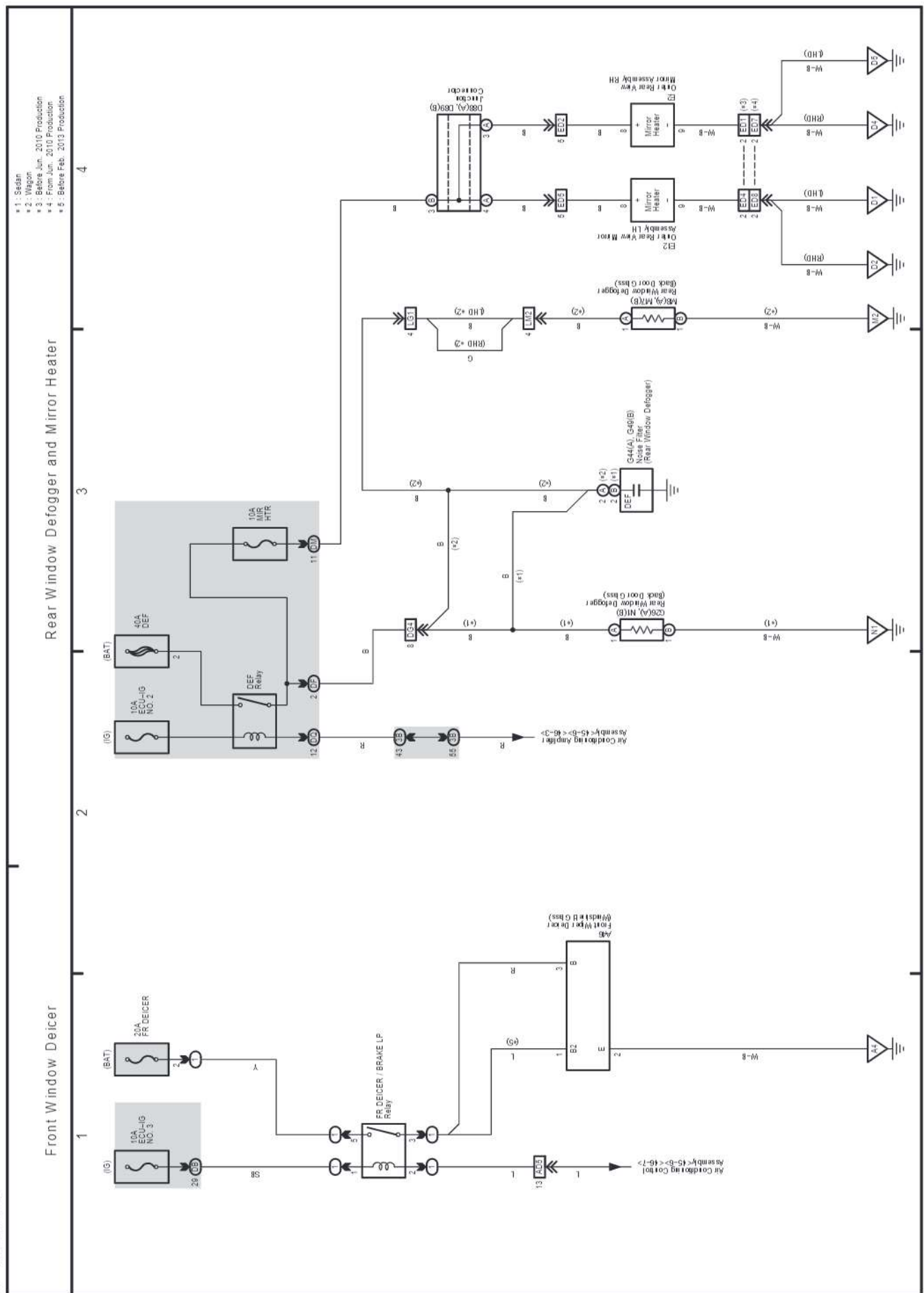


M OVERALL ELECTRICAL WIRING DIAGRAM



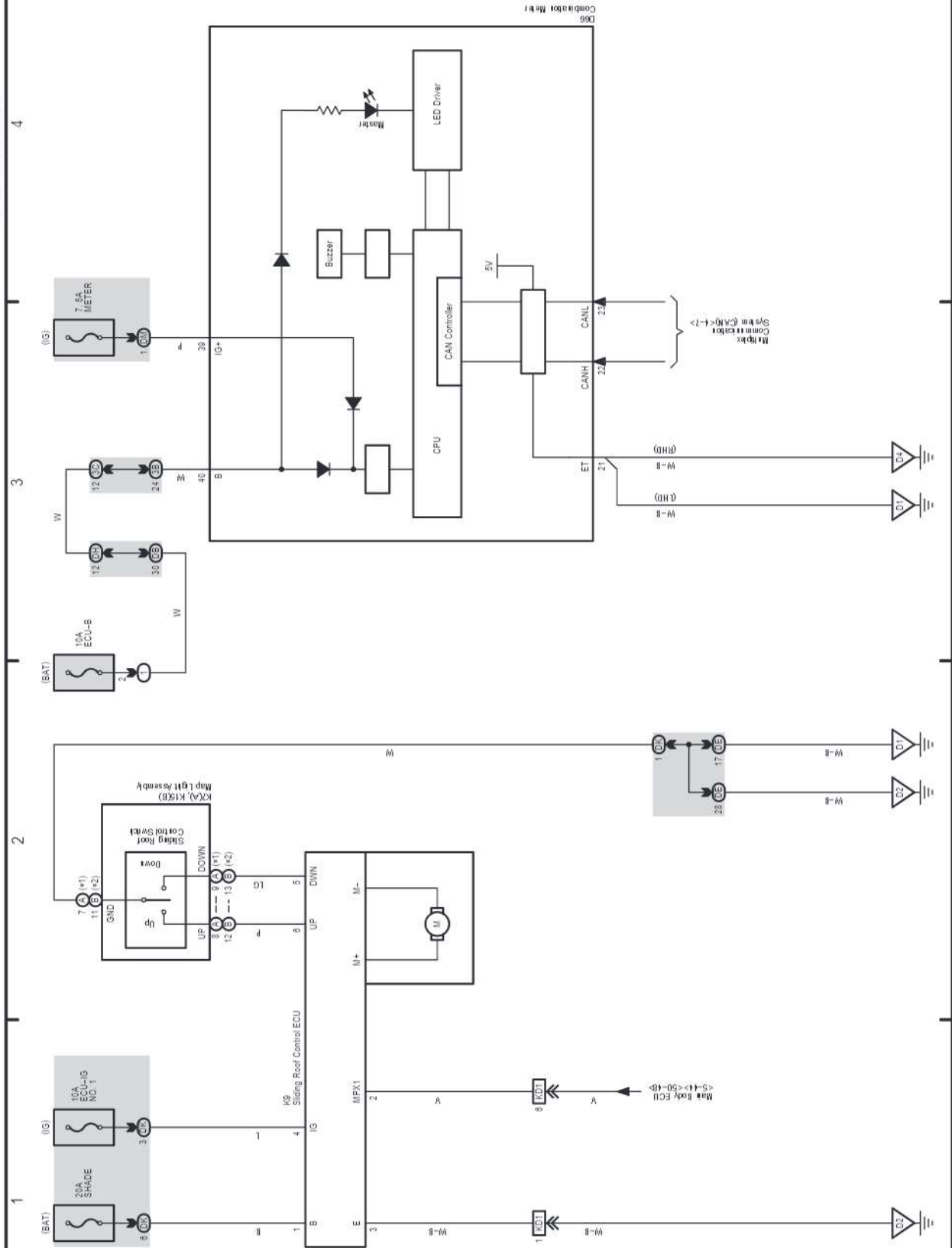


M OVERALL ELECTRICAL WIRING DIAGRAM



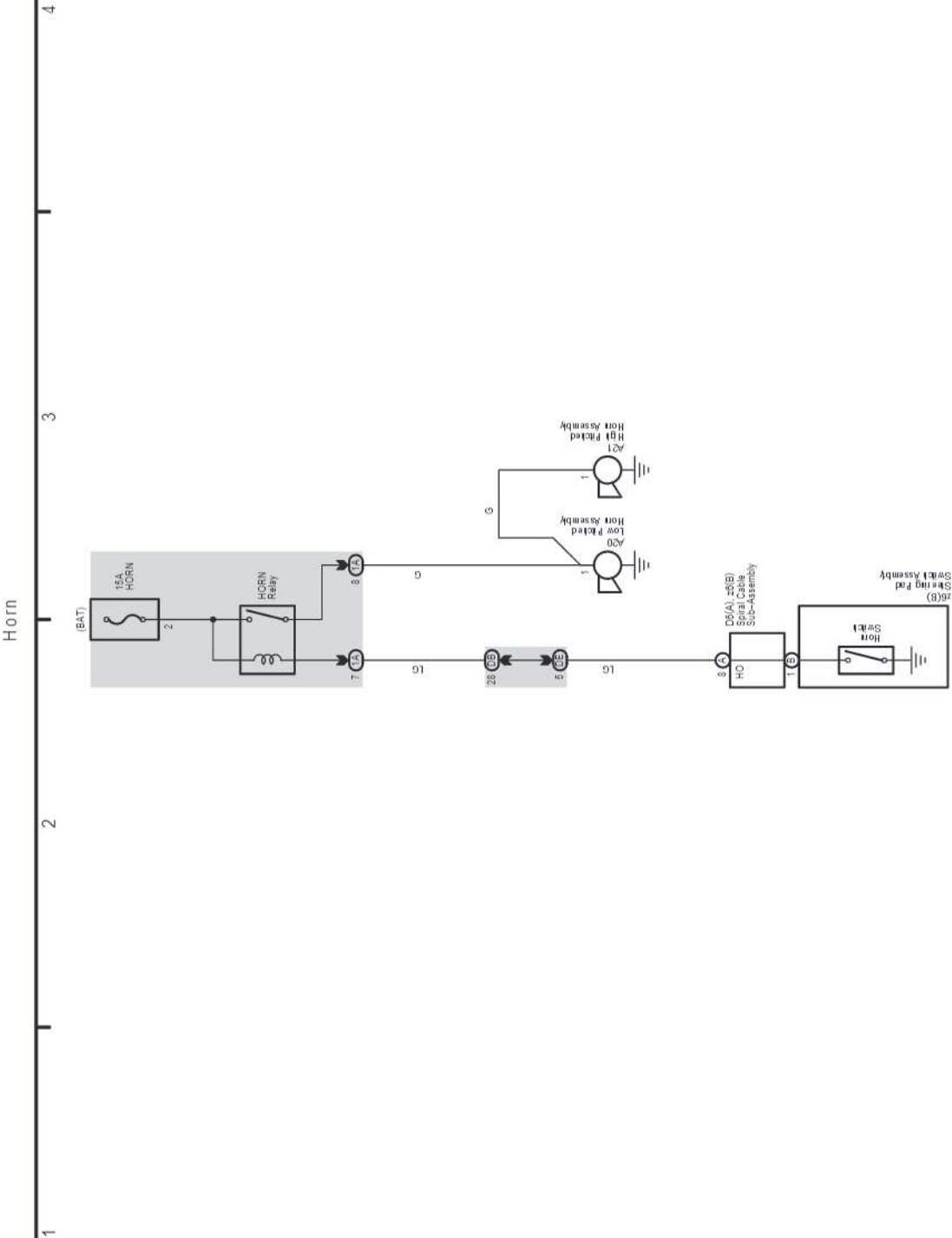
Sliding Roof

* 1 : Before Feb. 2013 Production
* 2 : From Feb. 2013 Production



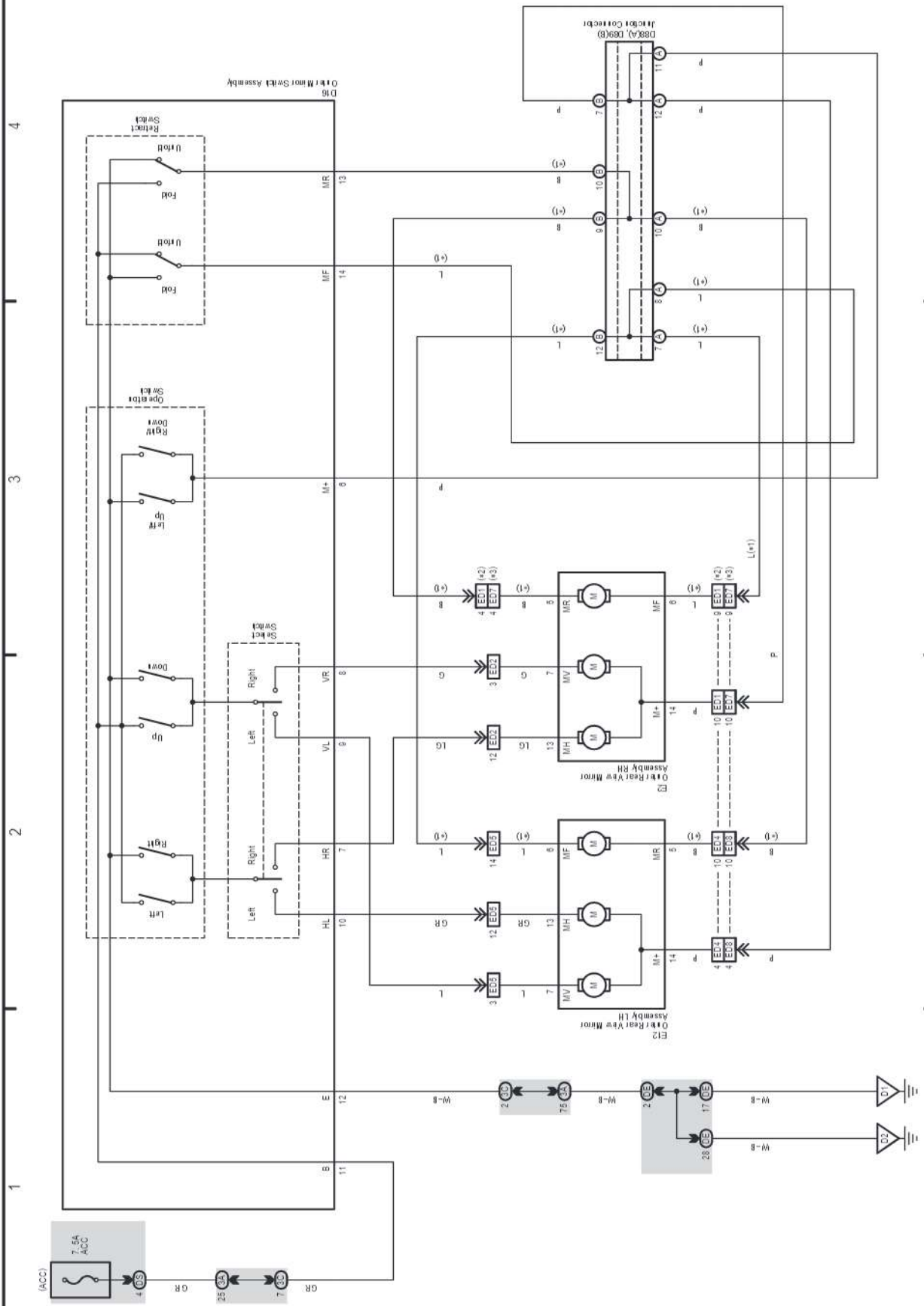
M OVERALL ELECTRICAL WIRING DIAGRAM

29 AVENSIS



Remote Control Mirror

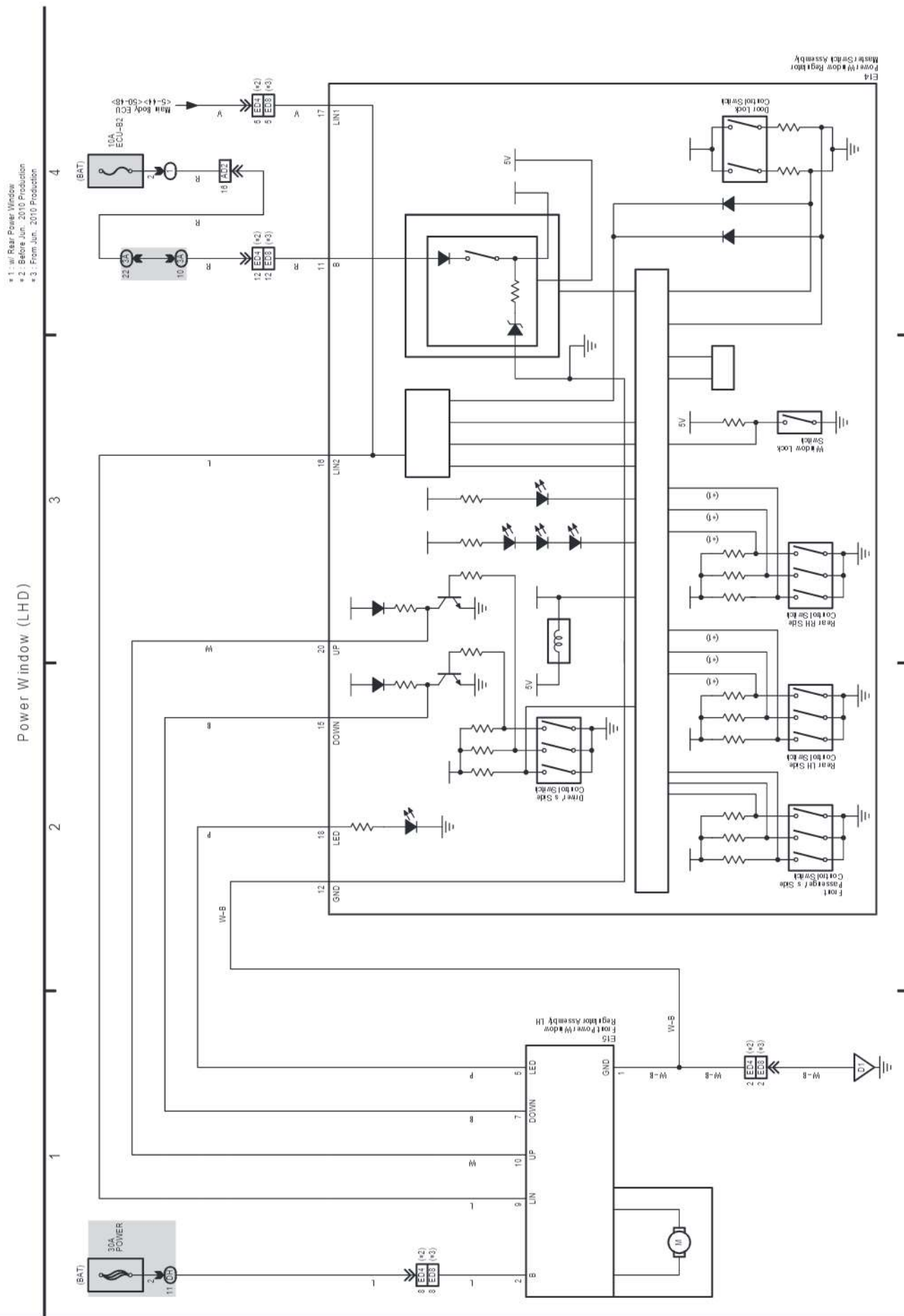
- * 1 : w/ Retract Switch
- * 2 : Before Jun. 2010 Production
- * 3 : From Jun. 2010 Production



M OVERALL ELECTRICAL WIRING DIAGRAM

31 AVENSIS

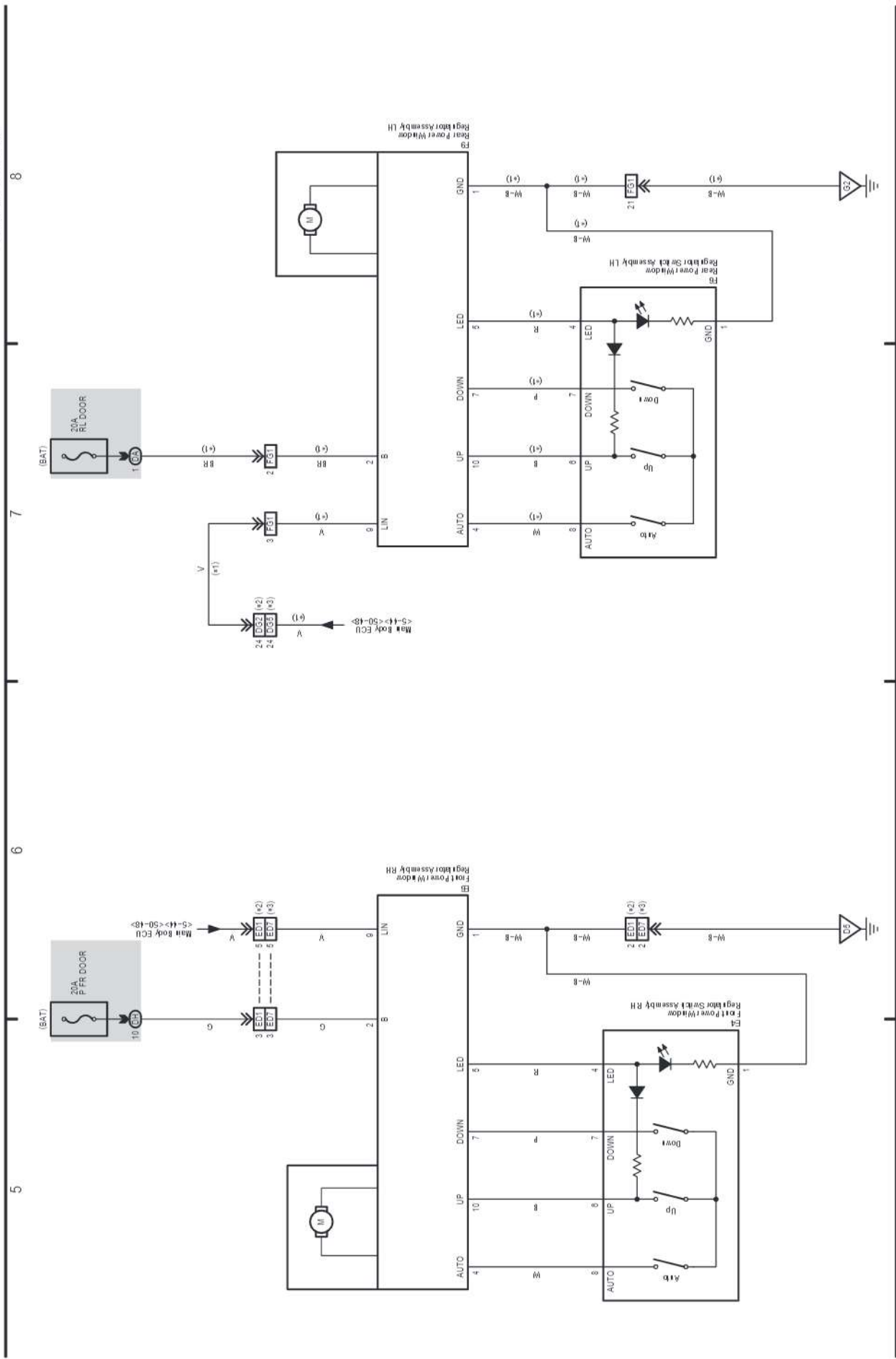
(Cont. next page)



AVENSIS (EM11S4E)

* 1 : 1st Rear Power Window
 * 2 : Before Jun. 2010 Production
 * 3 : From Jun. 2010 Production

Power Window (LHD)

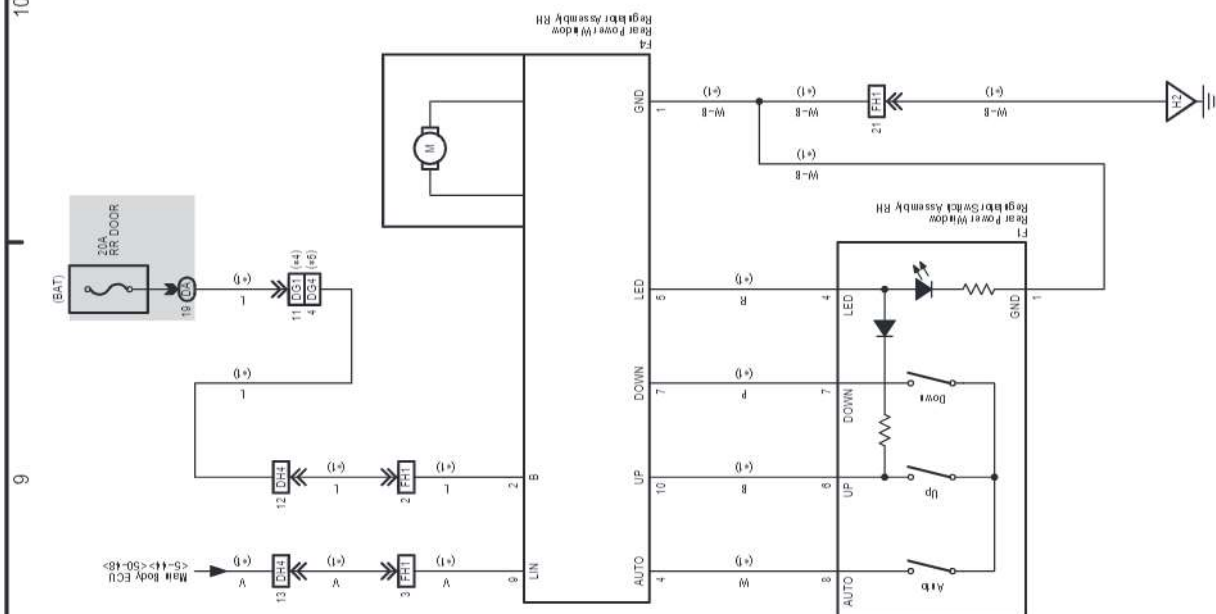


M OVERALL ELECTRICAL WIRING DIAGRAM

31 AVENSIS (Cont' d)

* 1: w/ Rear Power Window
* 4: Before Nov. 2011 Production
* 5: From Nov. 2011 Production

Power Window (LHD)



AVENSIS (EM11S4E)

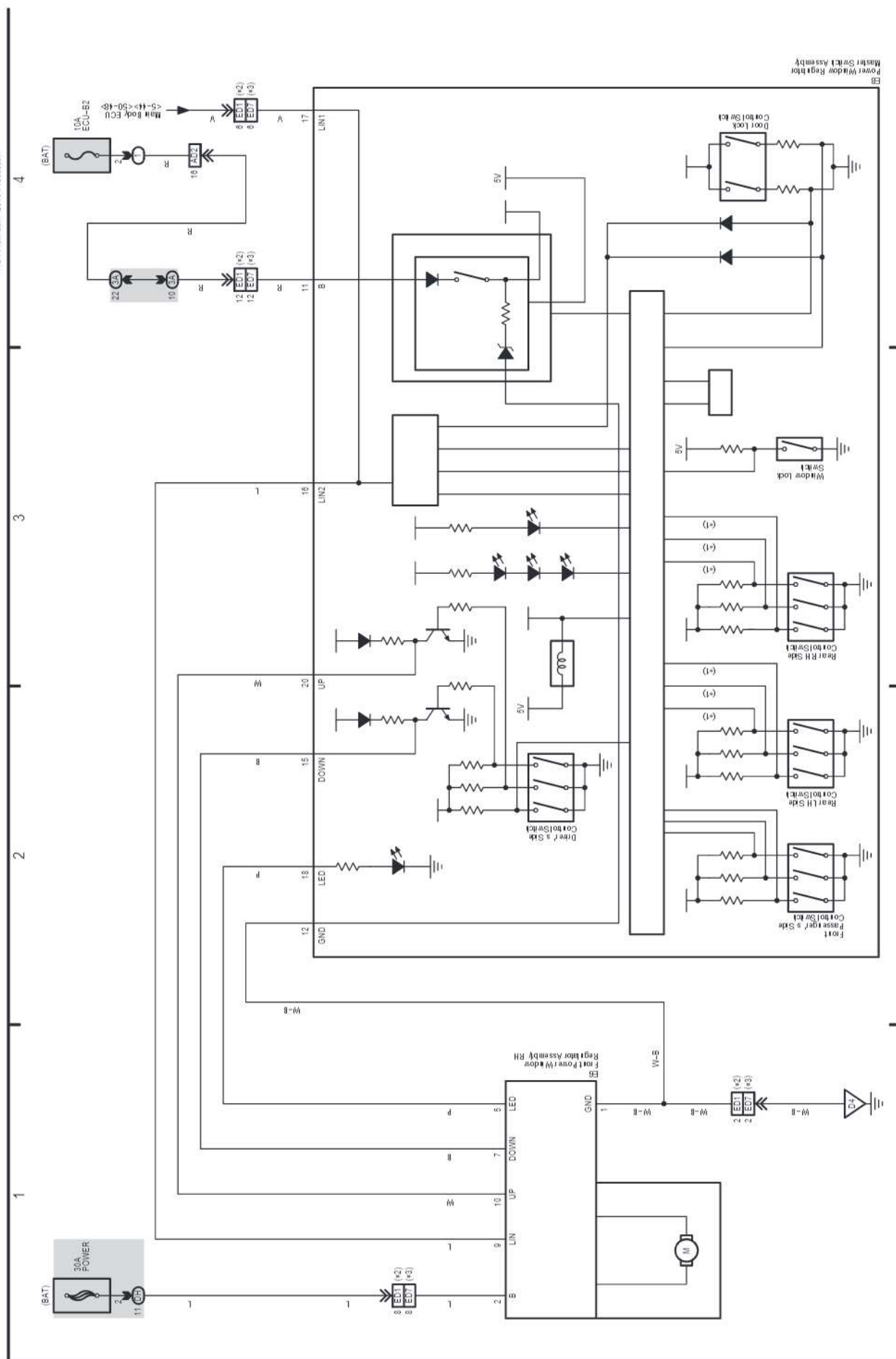
M OVERALL ELECTRICAL WIRING DIAGRAM

32 AVENSIS

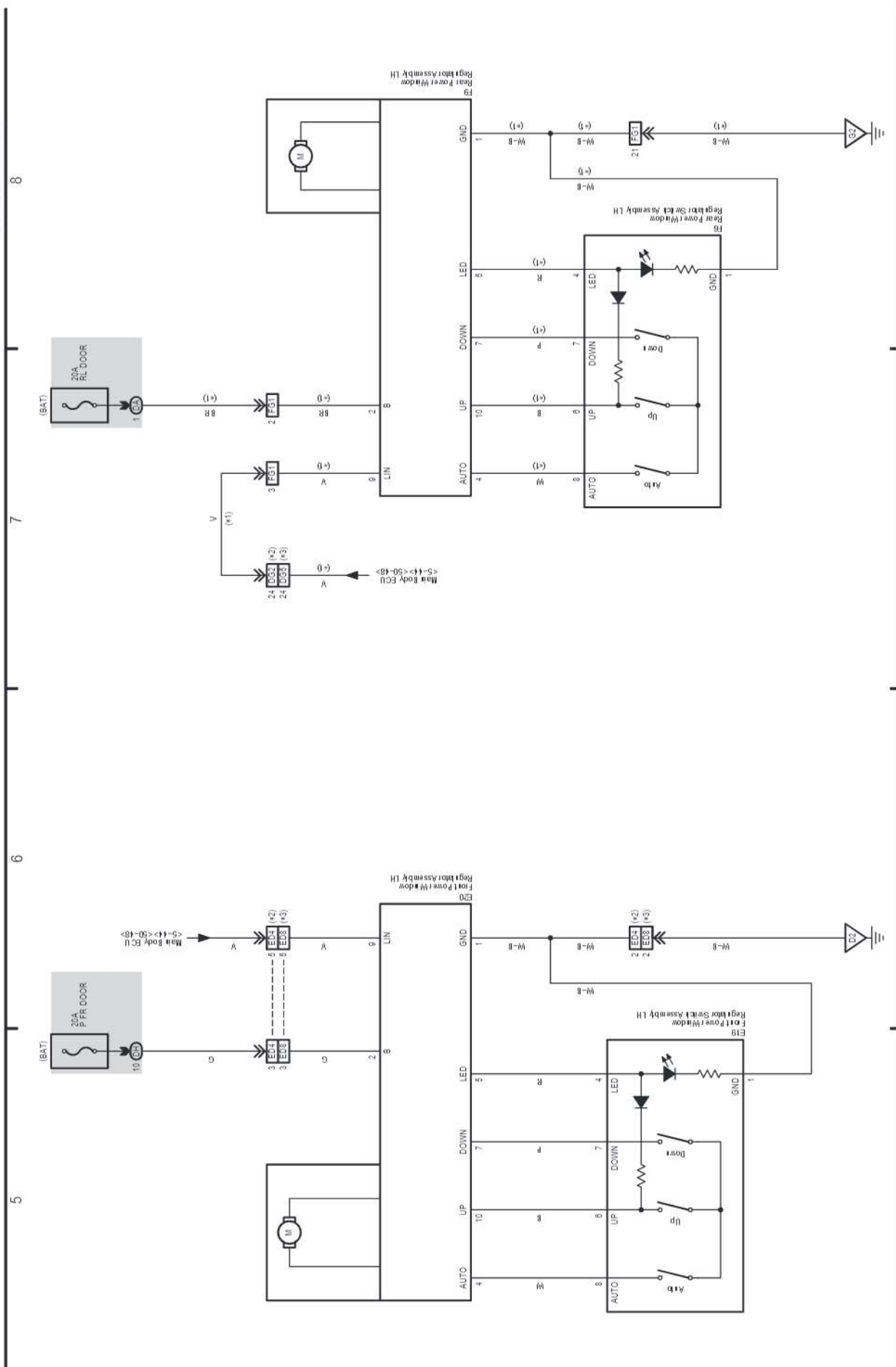
(Cont. next page)

* 1 : w/ Rear Power Window/
 * 2 : Before Jun. 2010 Production
 * 3 : From Jun. 2010 Production

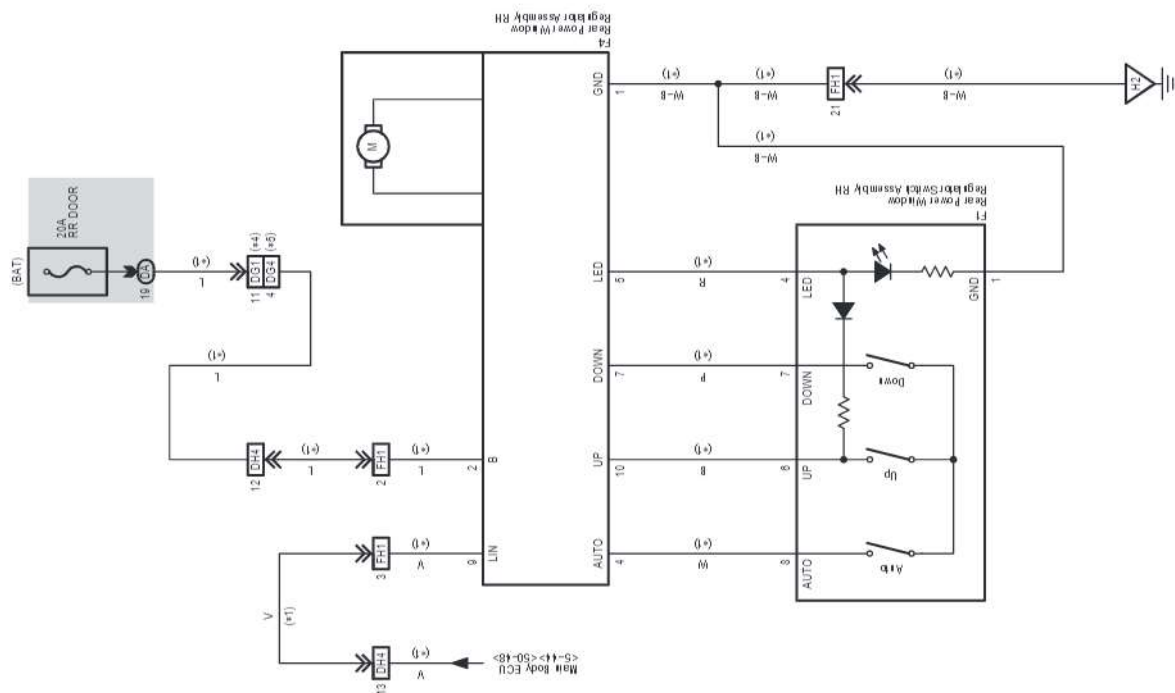
Power Window (RHD)



- # 1 : w/ Rear Power Window
- # 2 : Before Jun. 2010 Production
- # 3 : From Jun. 2010 Production



Power Window (RHD)



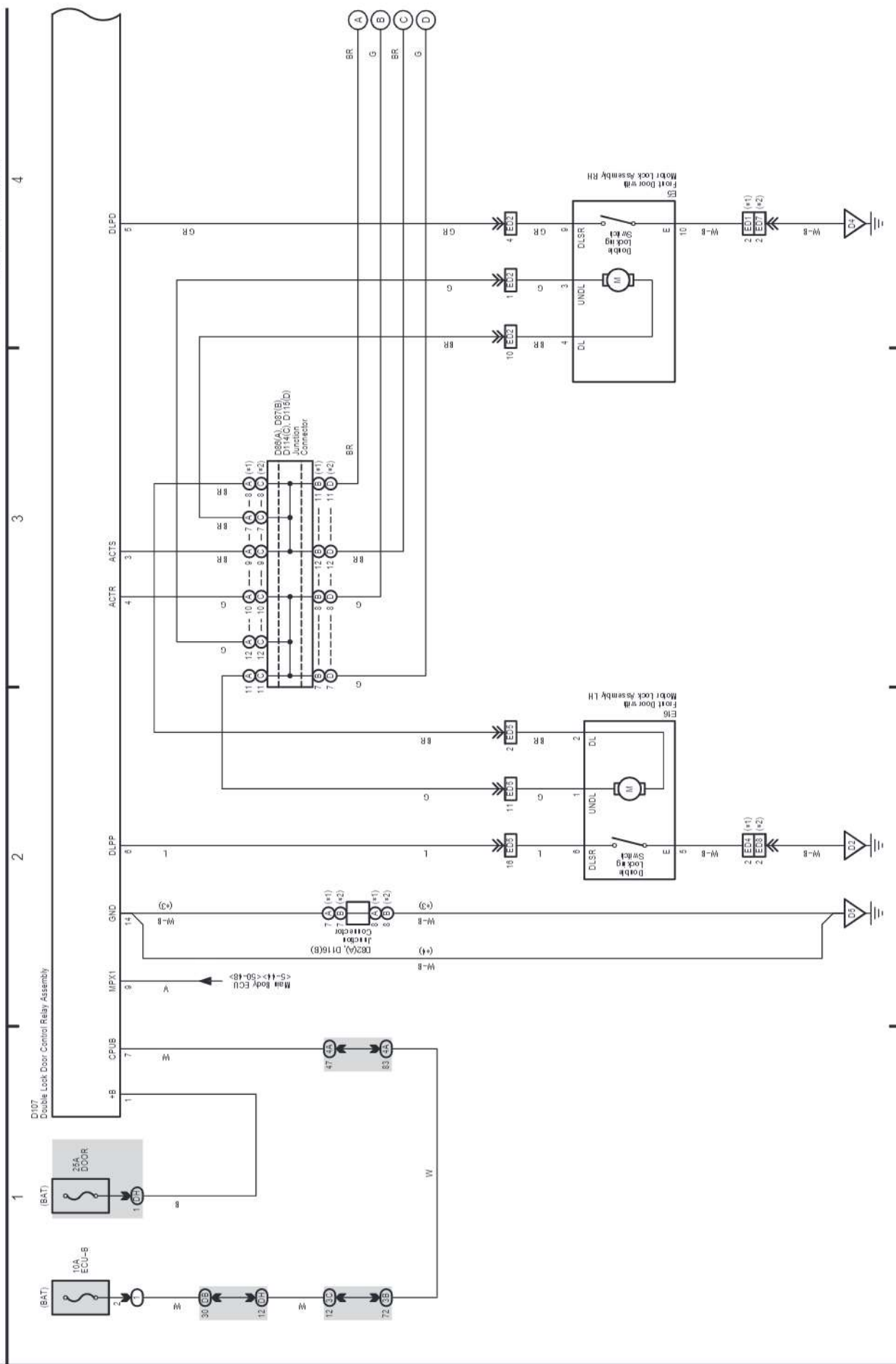
M OVERALL ELECTRICAL WIRING DIAGRAM

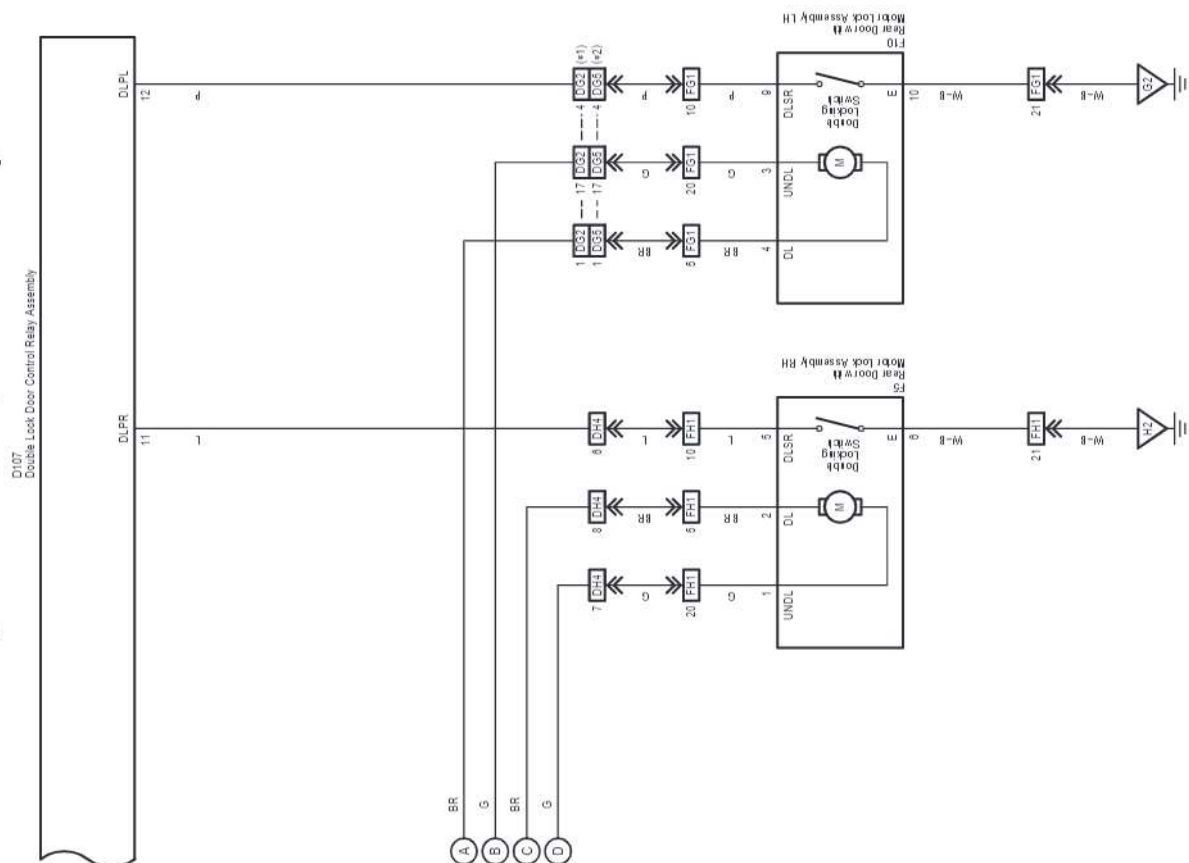
(Cont. next page)

33 AVENSIS

- * 1.: Before Jun. 2010 Production
- * 2.: From Jun. 2010 Production
- * 3.: Before Nov. 2011 Production
- * 4.: From Nov. 2011 Production

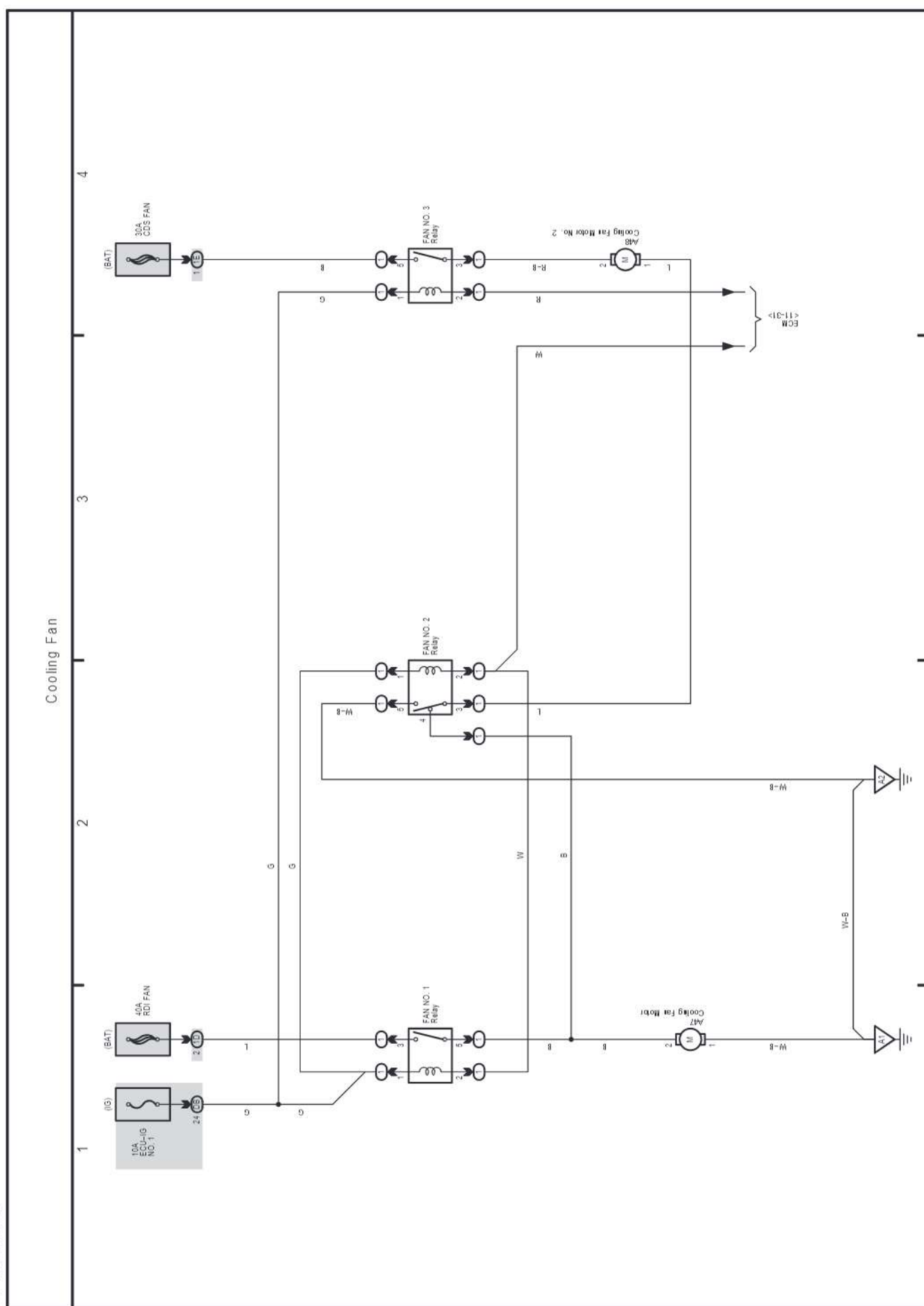
Double Locking





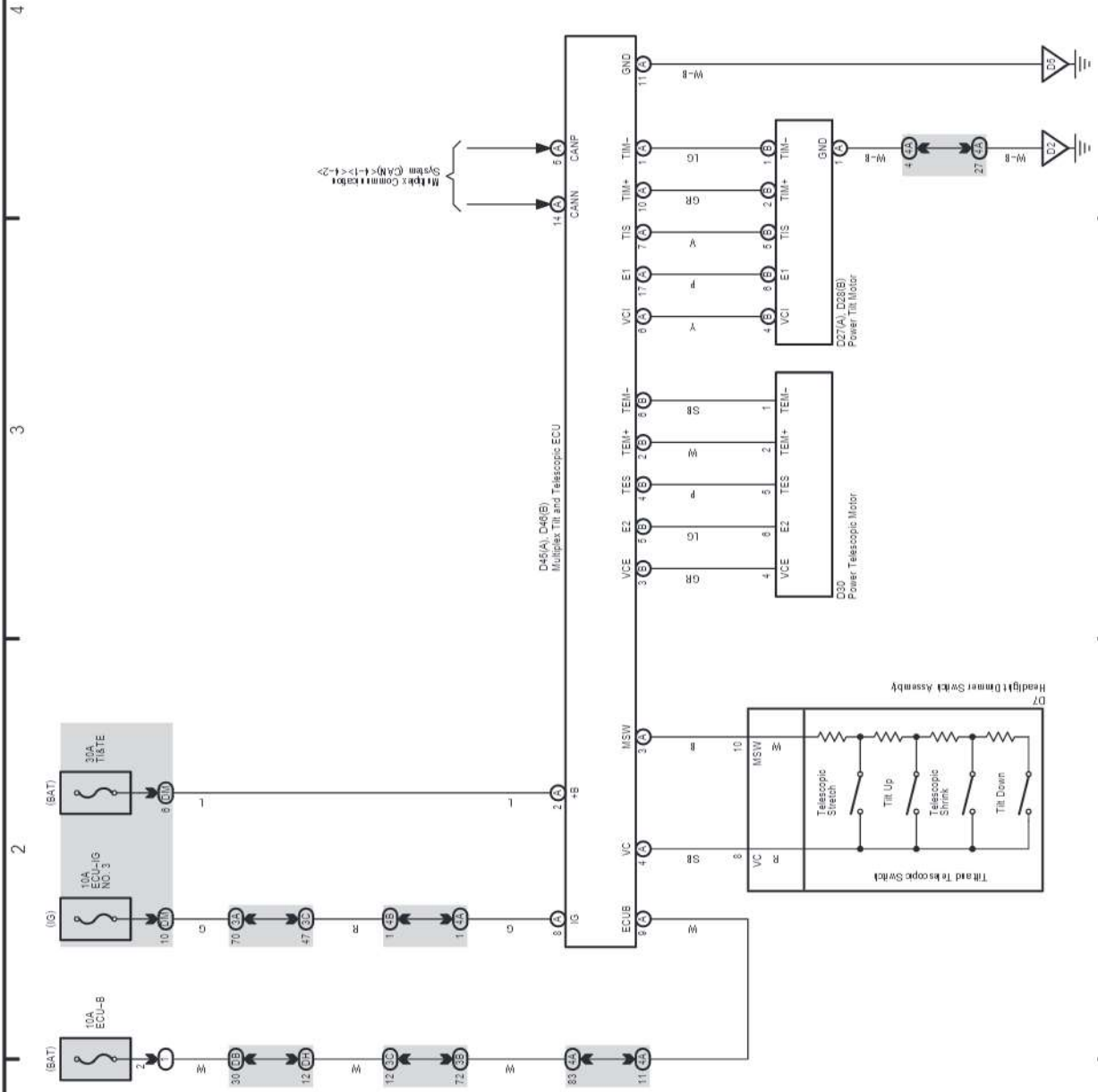
M OVERALL ELECTRICAL WIRING DIAGRAM

34 AVENSIS

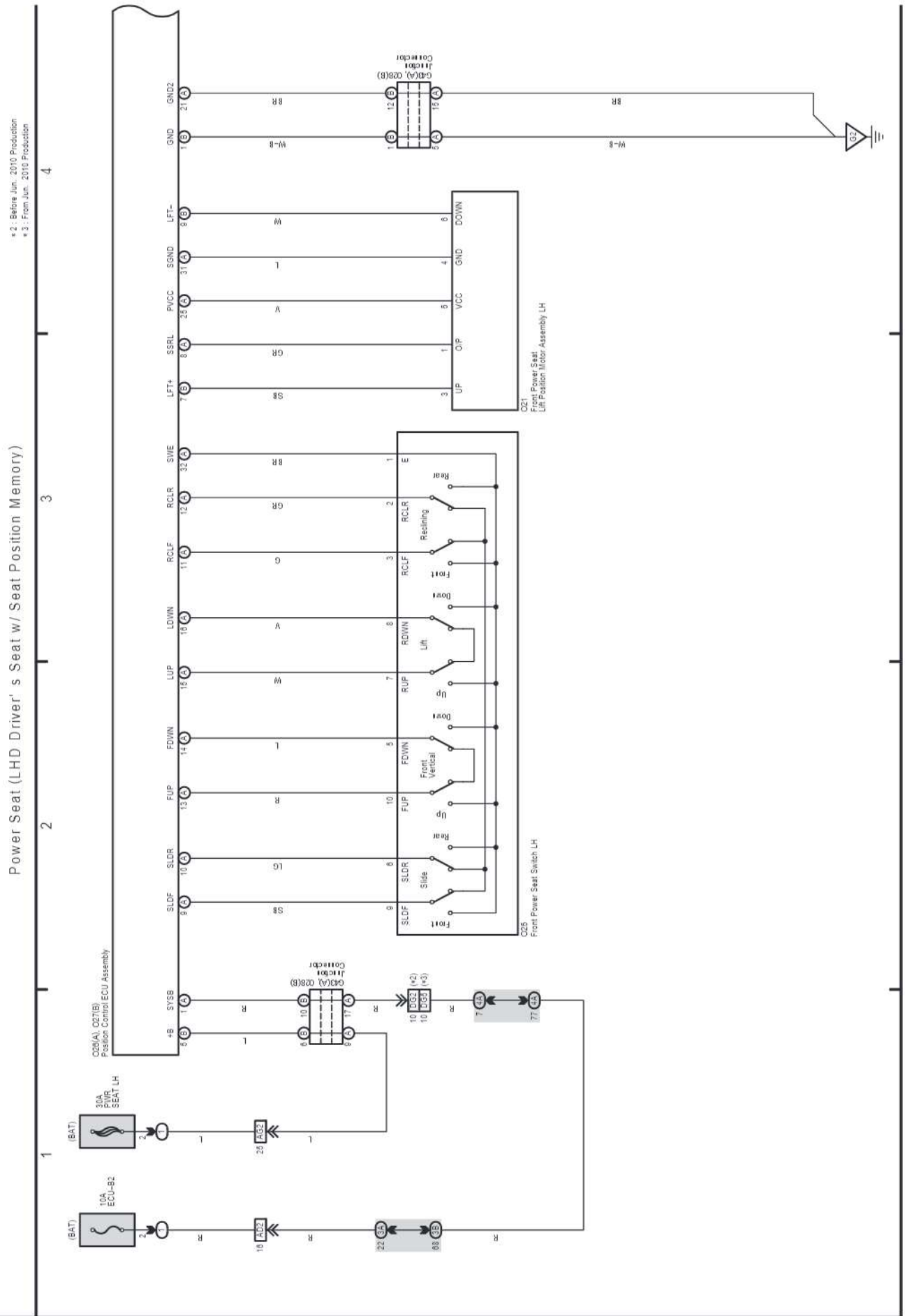


AVENSIS (EM11S4E)

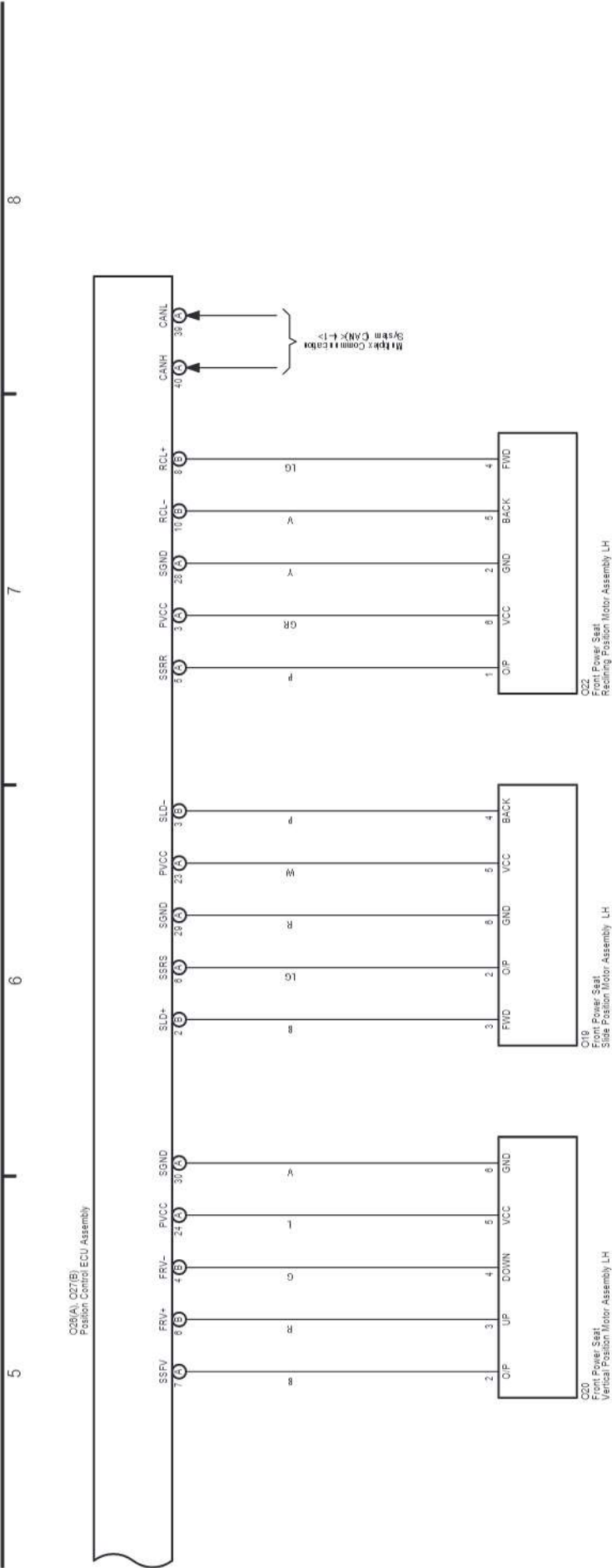
Power Tilt and Power Telescopic



M OVERALL ELECTRICAL WIRING DIAGRAM



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

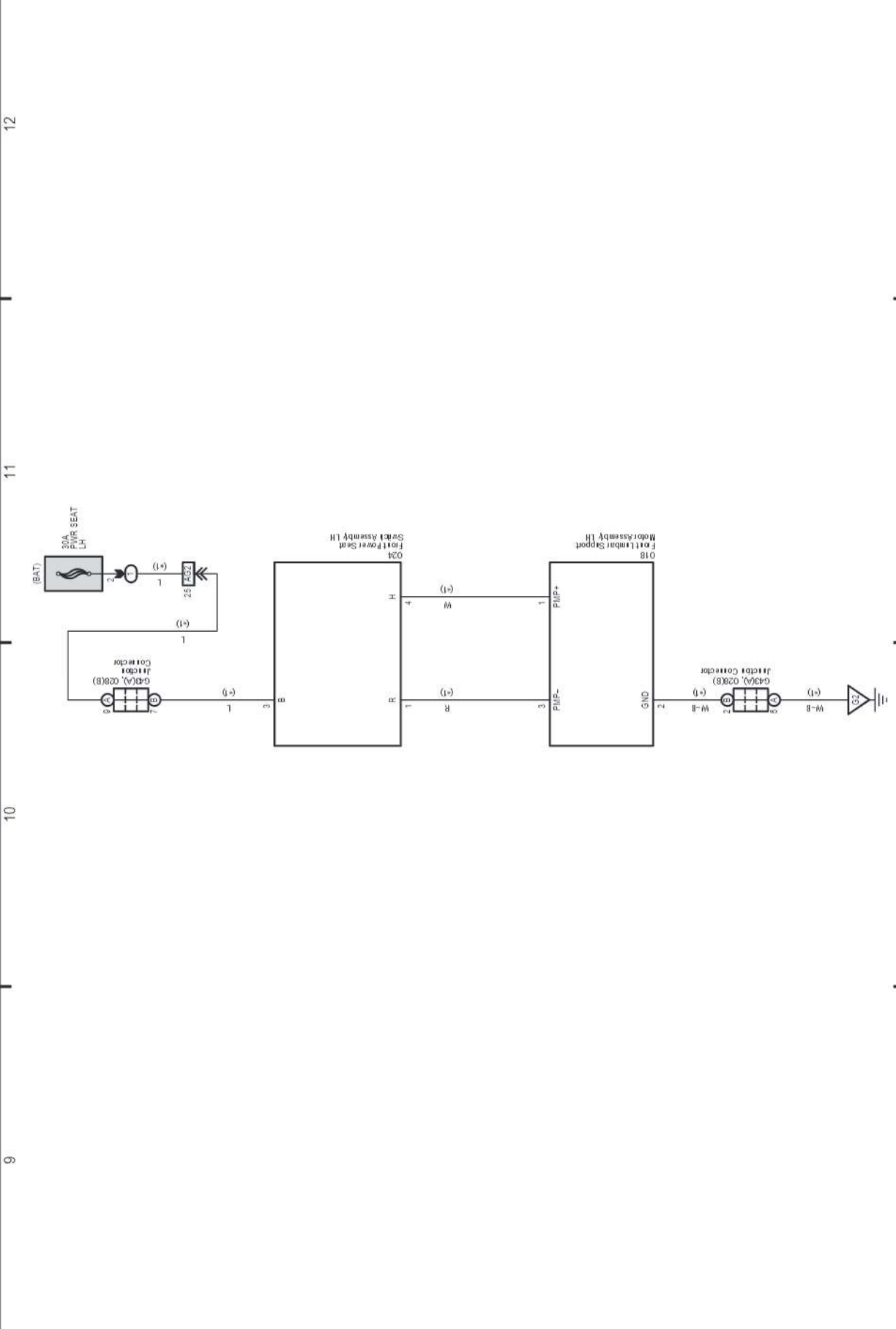


M OVERALL ELECTRICAL WIRING DIAGRAM

36 AVENSIS (Cont' d)

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

* 1 : Lumbar Support Only

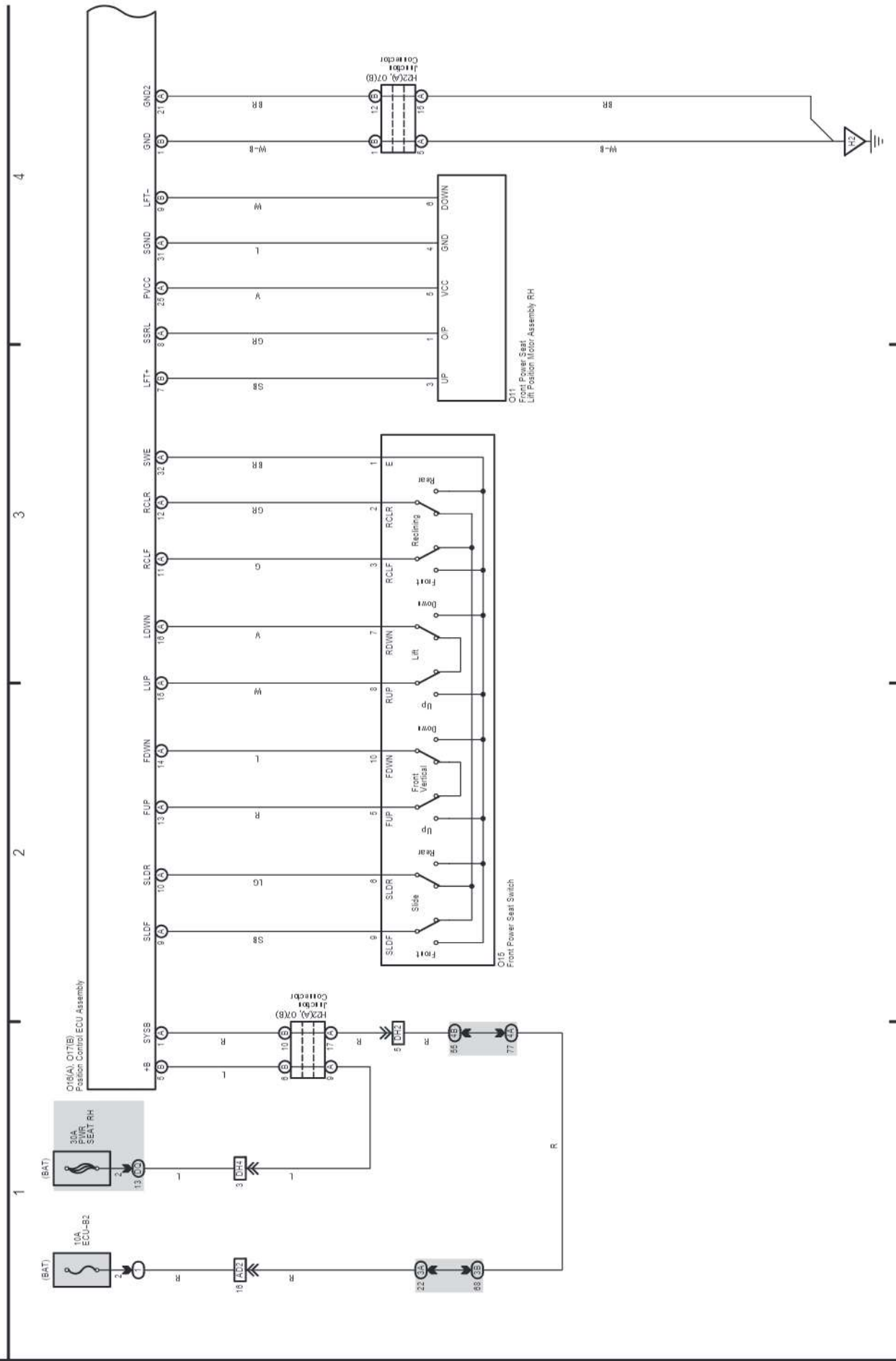


M OVERALL ELECTRICAL WIRING DIAGRAM

37 AVENSIS

(Cont. next page)

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



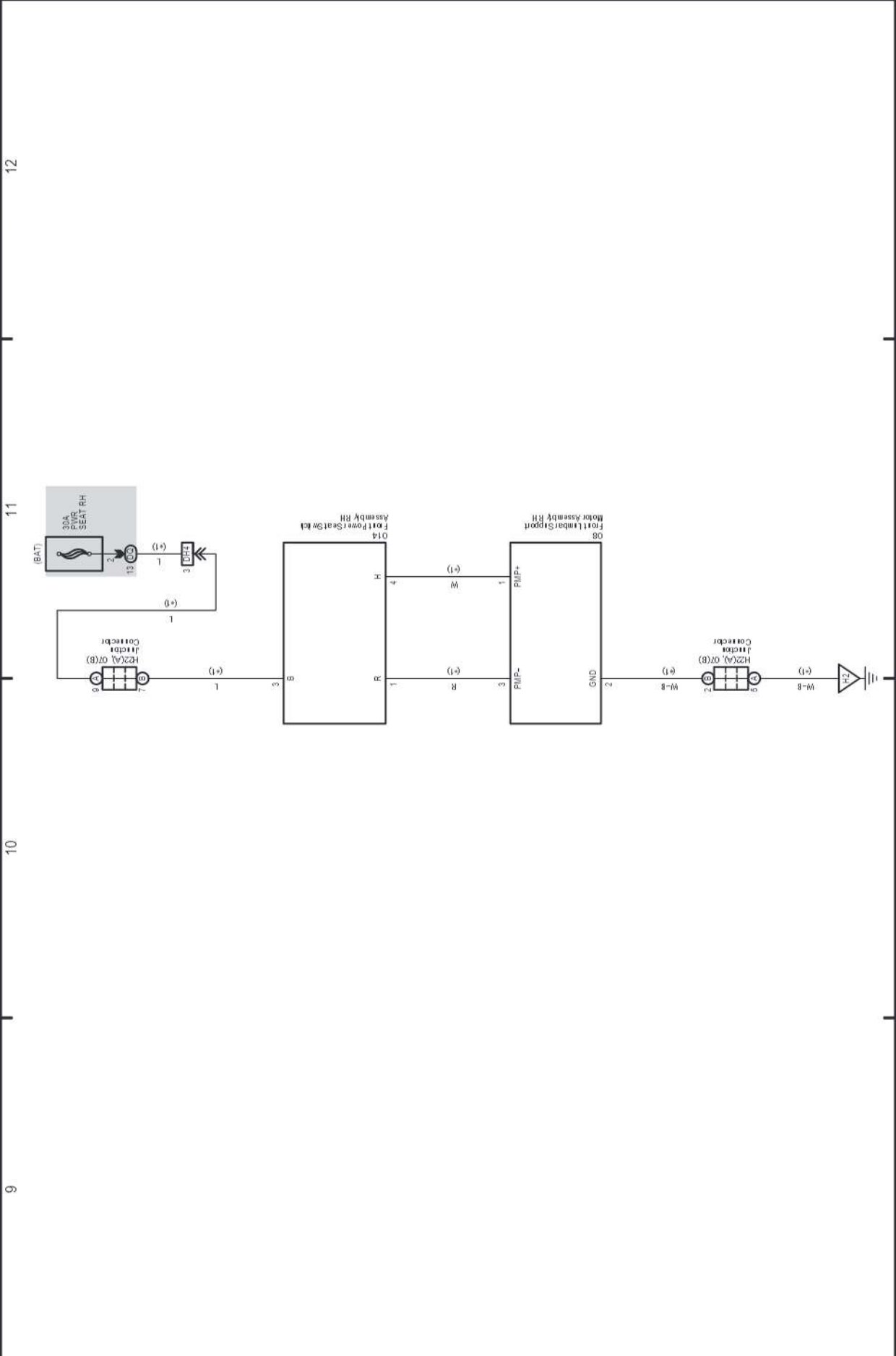


M OVERALL ELECTRICAL WIRING DIAGRAM

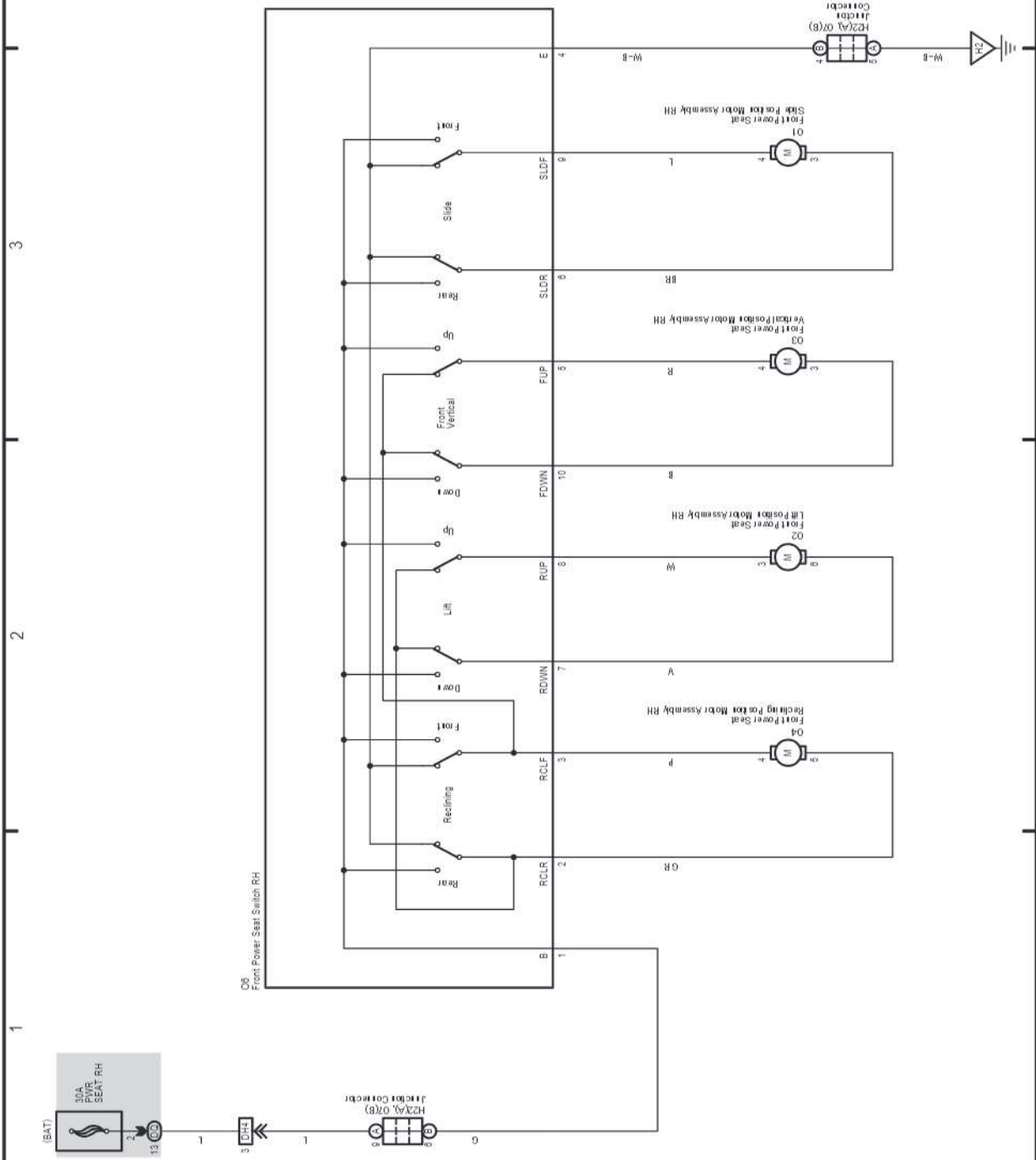
37 AVENSIS (Cont' d)

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

* 1 : Lumbar Support Only

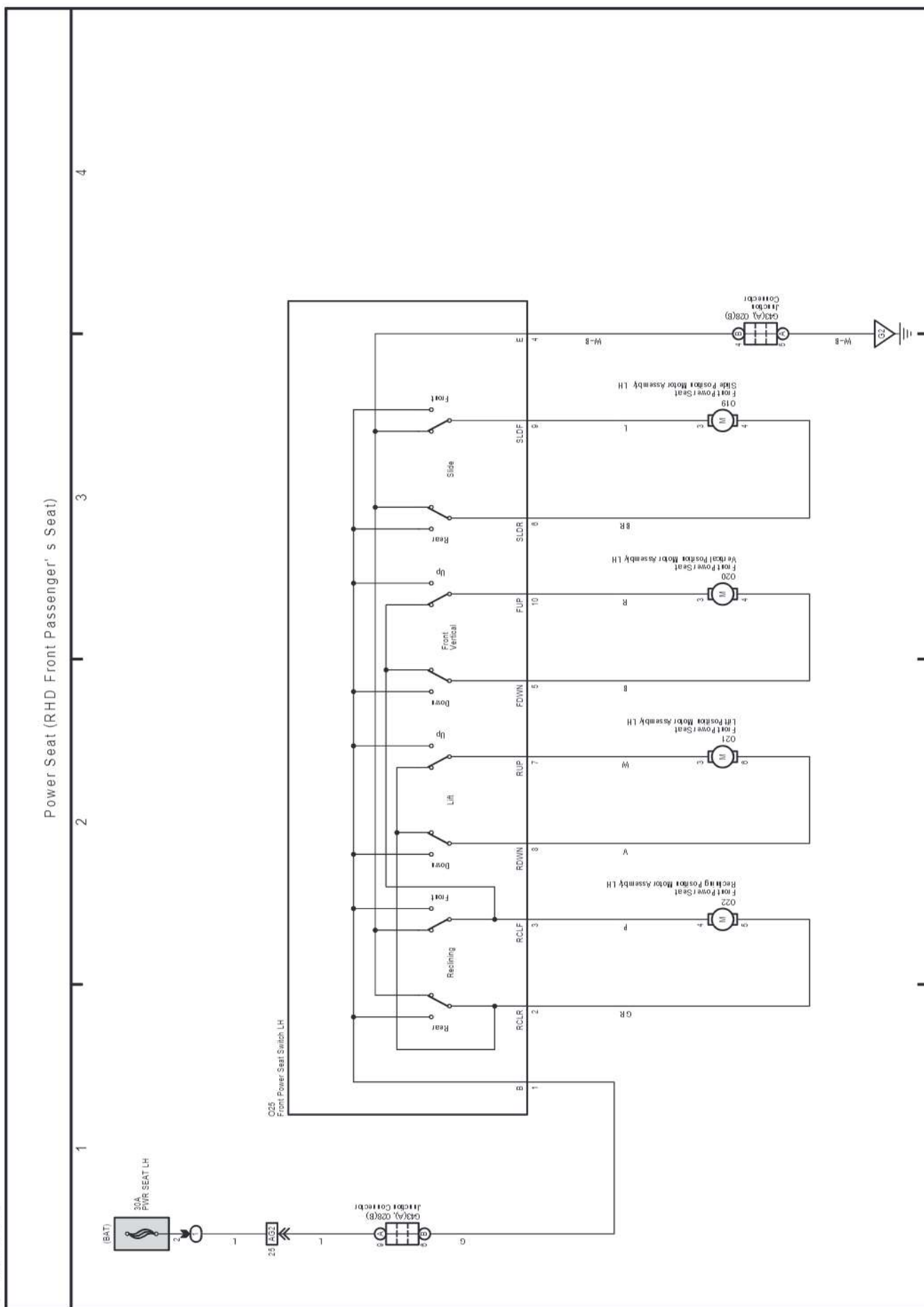


Power Seat (LHD Front Passenger's Seat)



M OVERALL ELECTRICAL WIRING DIAGRAM

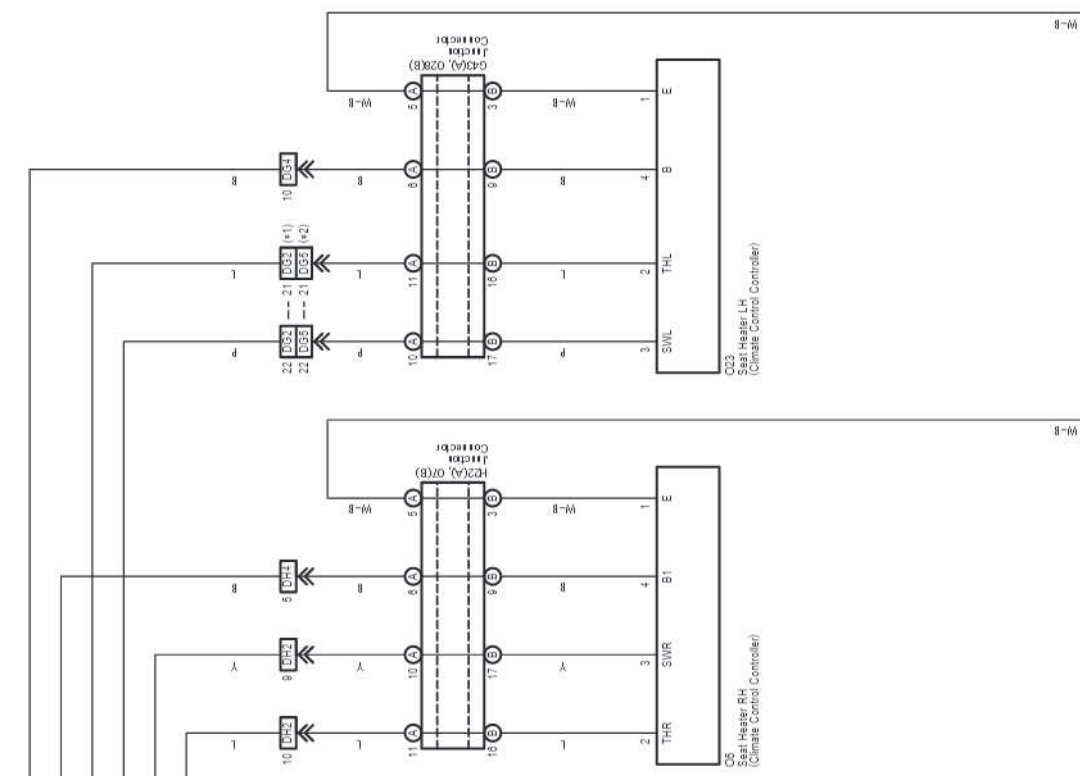
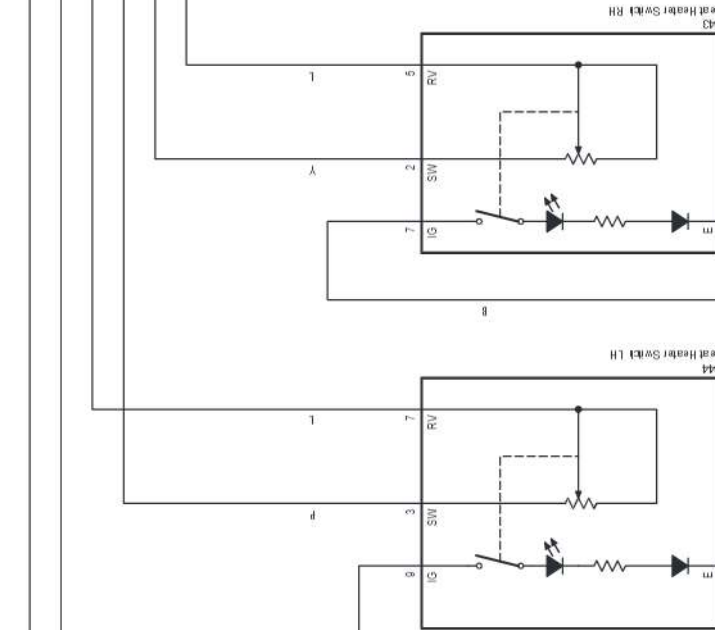
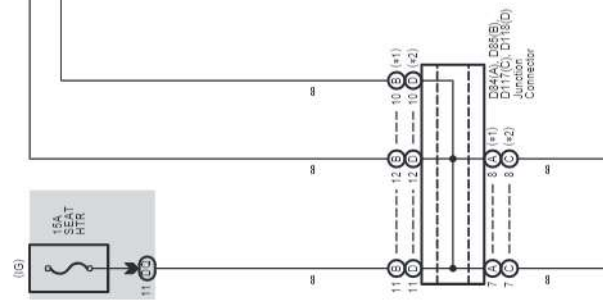
39 AVENSIS



AVENSIS (EM11S4E)

Seat Heater

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



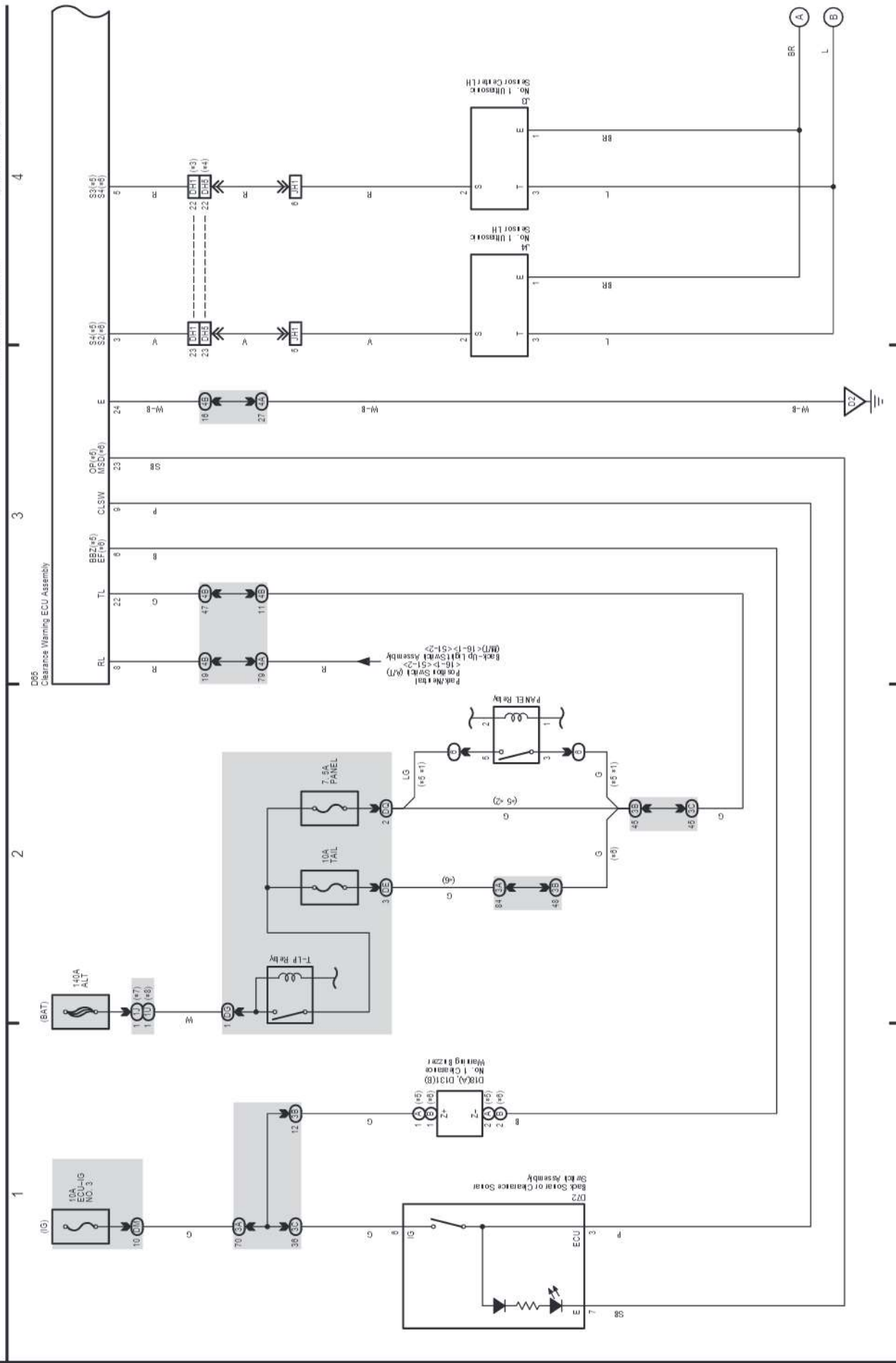
M OVERALL ELECTRICAL WIRING DIAGRAM

41 AVENSIS

(Cont. next page)

- * 1 : w/ PANEL Relay
- * 2 : w/o PANEL Relay
- * 3 : Before Jun. 2010 Production
- * 4 : From Jun. 2010 Production
- * 5 : Before Nov. 2011 Production
- * 6 : From Nov. 2011 Production
- * 7 : Before Feb. 2013 Production
- * 8 : From Feb. 2013 Production

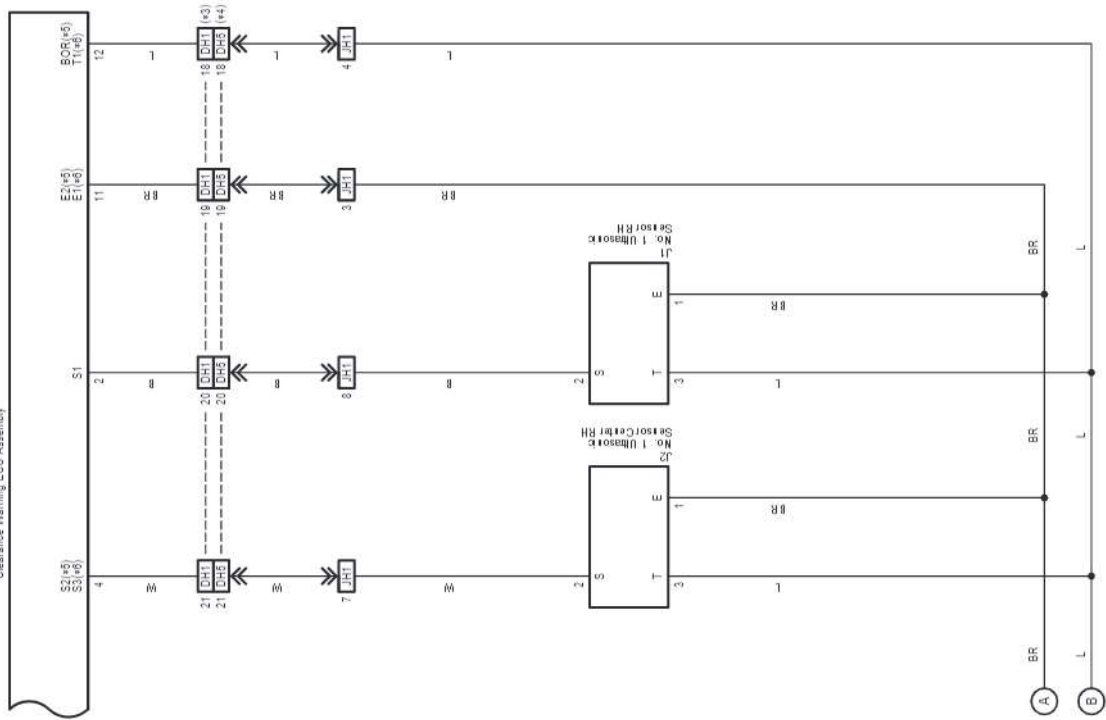
Parking Assist (TOYOTA Parking Assist-Sensor)



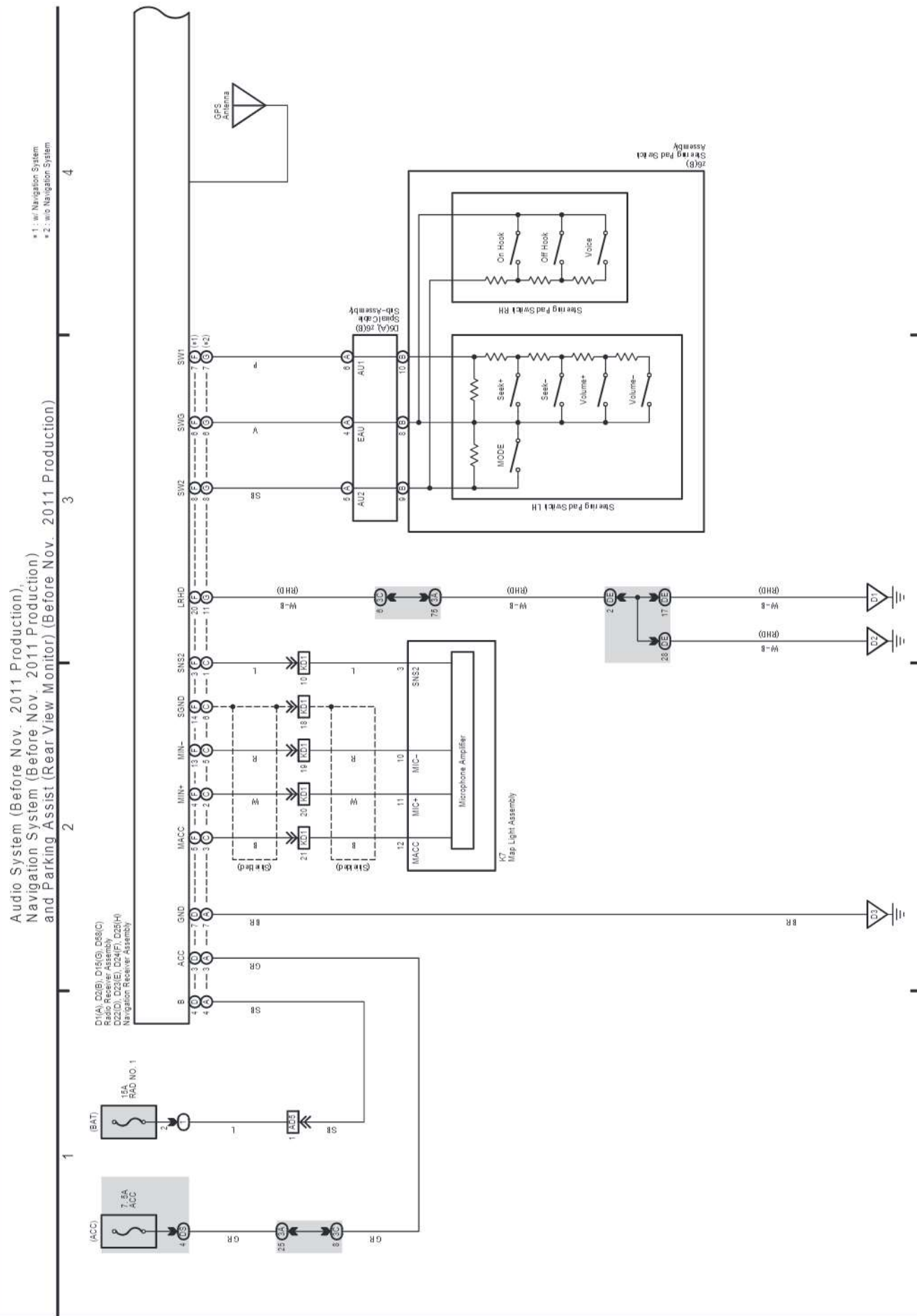
AVENSIS (EM11S4E)

Parking Assist (TOYOTA Parking Assist-Sensor)

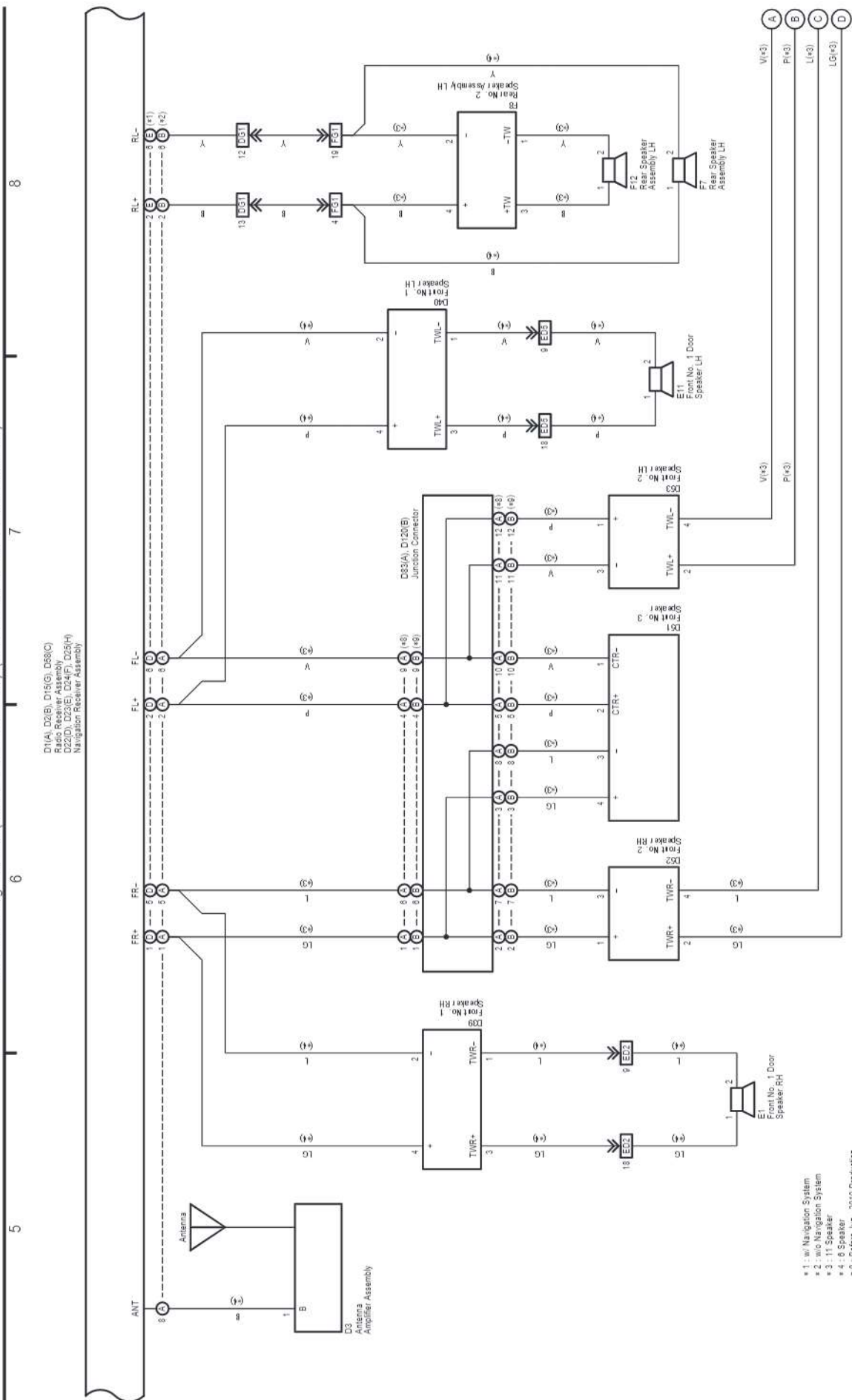
D85
Clearance Warning ECU Assembly



M OVERALL ELECTRICAL WIRING DIAGRAM

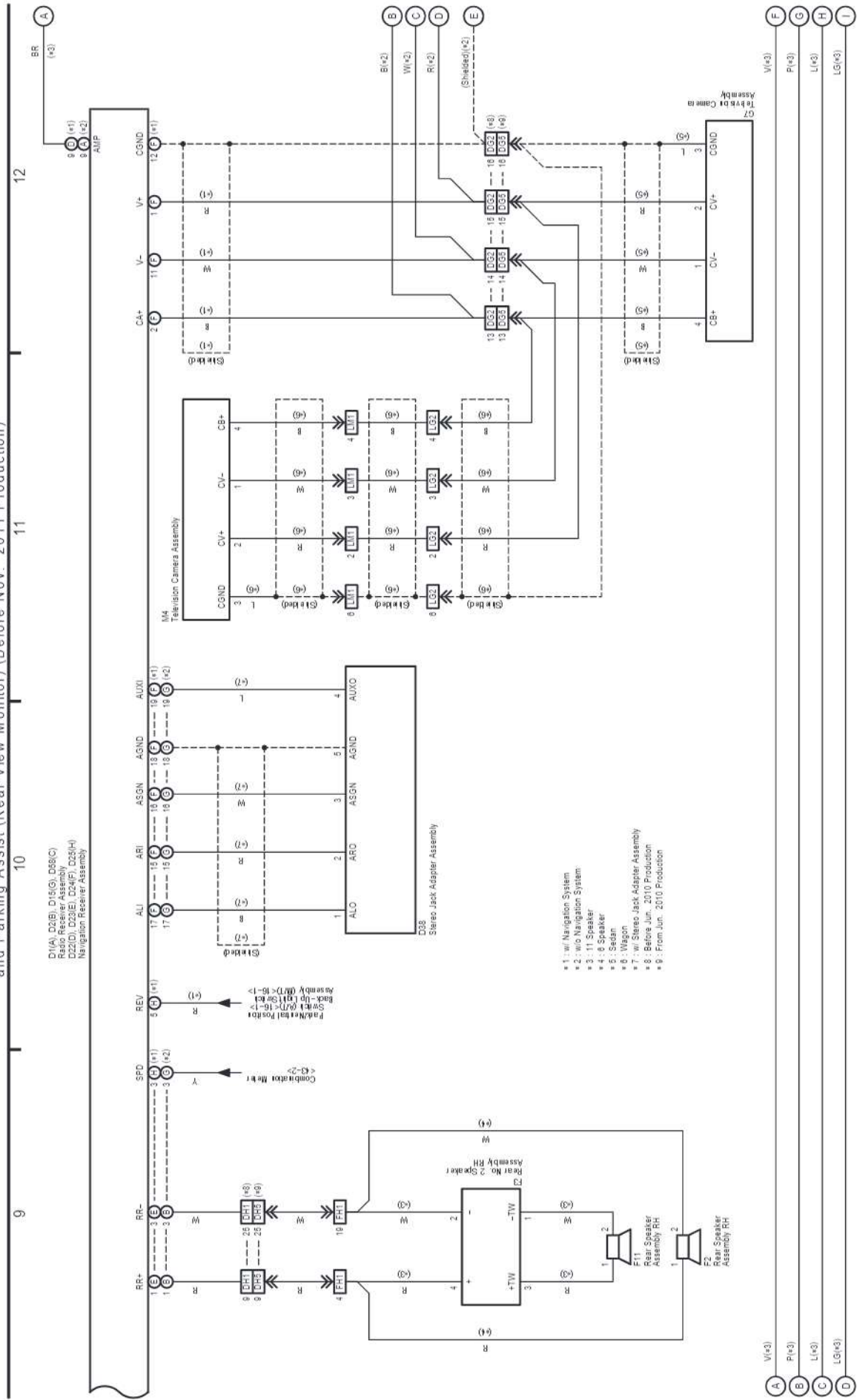


Audio System (Before Nov. 2011 Production),
Navigation System (Before Nov. 2011 Production)
and Parking Assist (Rear View Monitor) (Before Nov. 2011 Production)

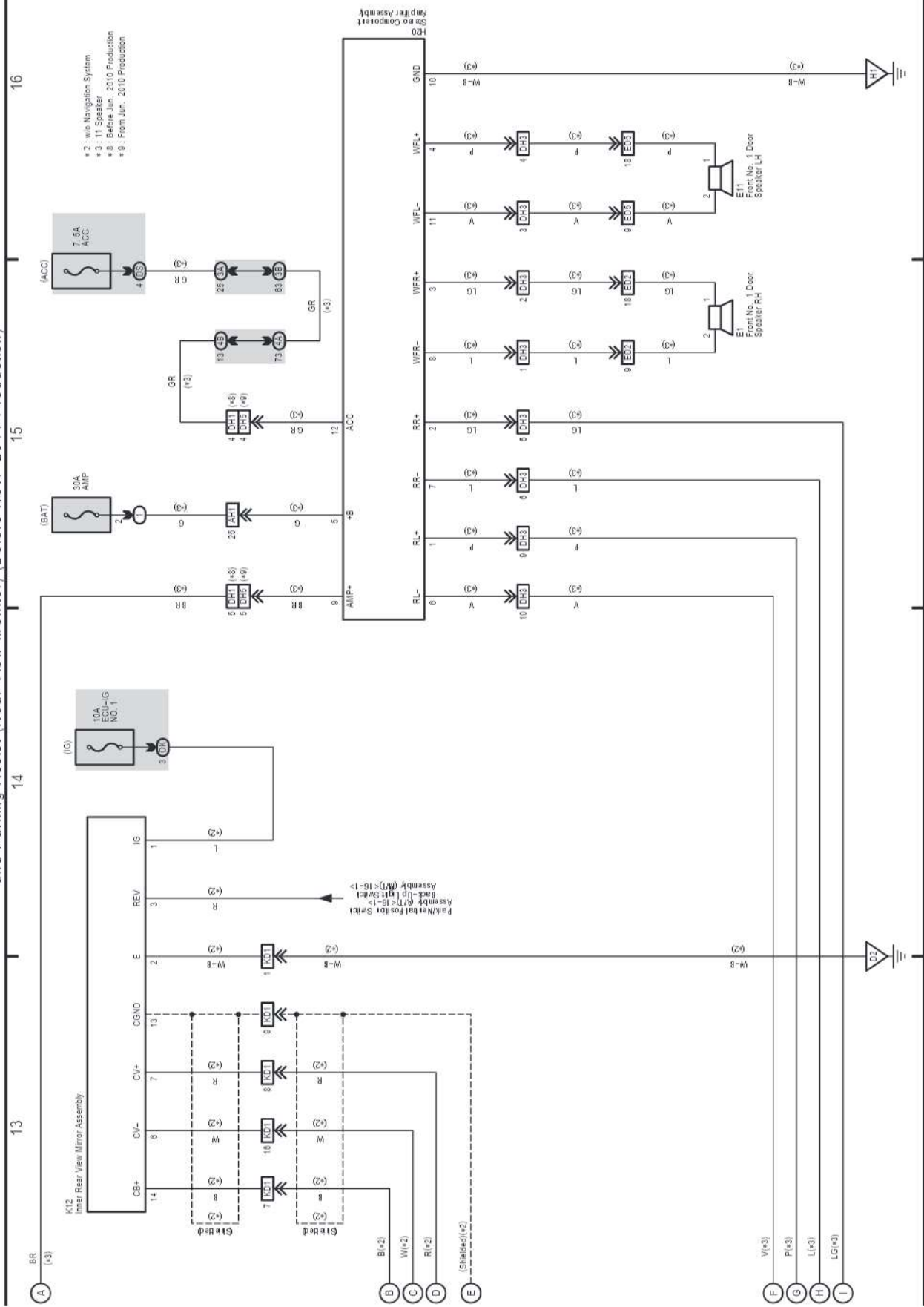


- * 1 : w/ Navigation System
- * 2 : w/o Navigation System
- * 3 : 11 Speaker
- * 4 : 6 Speaker
- * 8 : Before Jun. 2010 Production
- * 9 : From Jun. 2010 Production

Audio System (Before Nov. 2011 Production),
Navigation System (Before Nov. 2011 Production)
and Parking Assist (Rear View Monitor) (Before Nov. 2011 Production)



Audio System (Before Nov. 2011 Production),
Navigation System (Before Nov. 2011 Production)
and Parking Assist (Rear View Monitor) (Before Nov. 2011 Production)



M OVERALL ELECTRICAL WIRING DIAGRAM

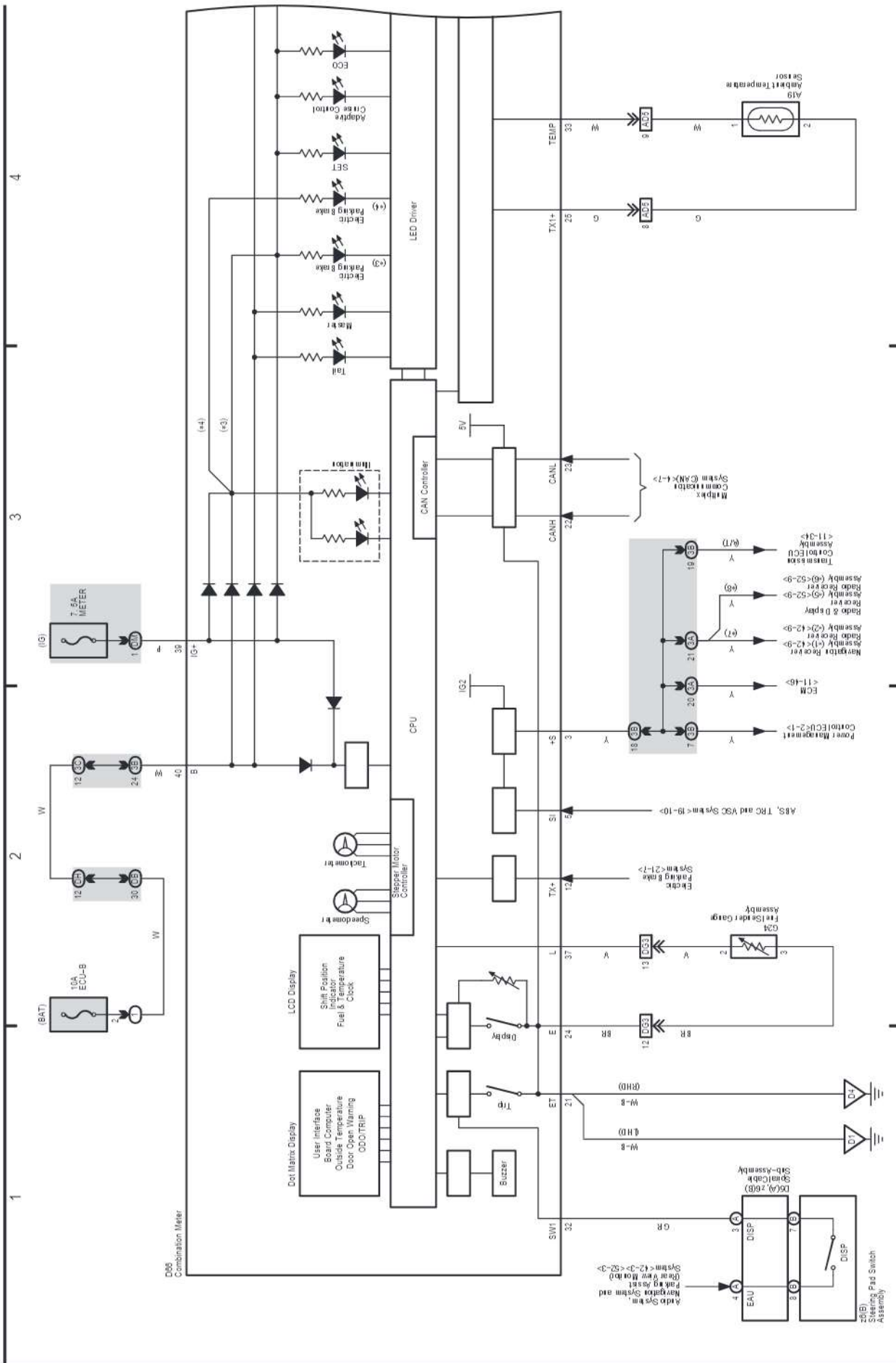
43 AVENSIS

(Cont. next page)

* 1 : w/ Navigation System
 * 2 : w/o Navigation System
 * 3 : Before Jun. 2010 Production
 * 4 : From Jun. 2010 Production

* 5 : Display Audio Type
 * 6 : Except Display Audio Type
 * 7 : Before Nov. 2011 Production
 * 8 : From Nov. 2011 Production

Combination Meter

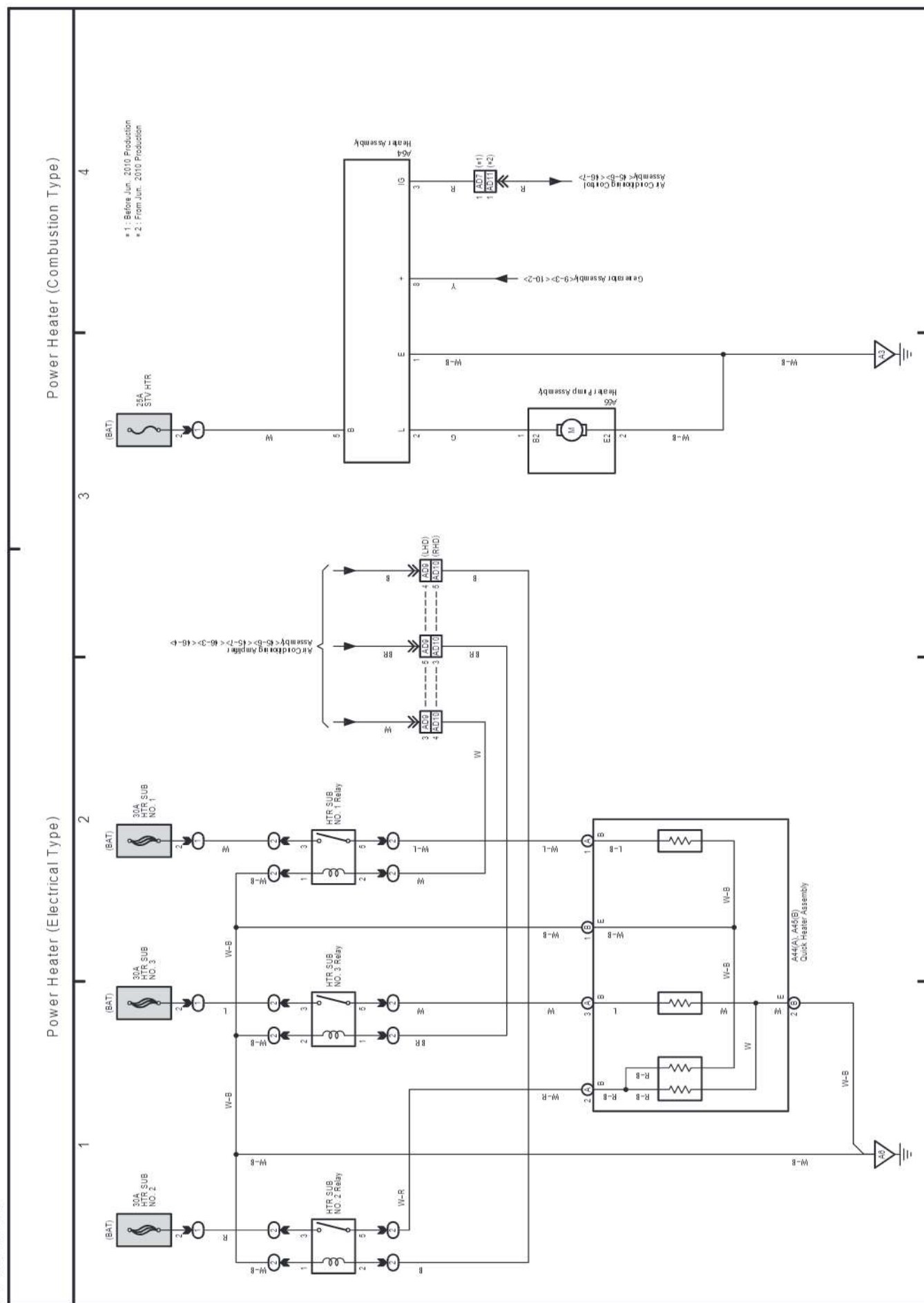


AVENSIS (EM11S4E)



M OVERALL ELECTRICAL WIRING DIAGRAM

44 AVENSIS



AVENSIS (EM11S4E)

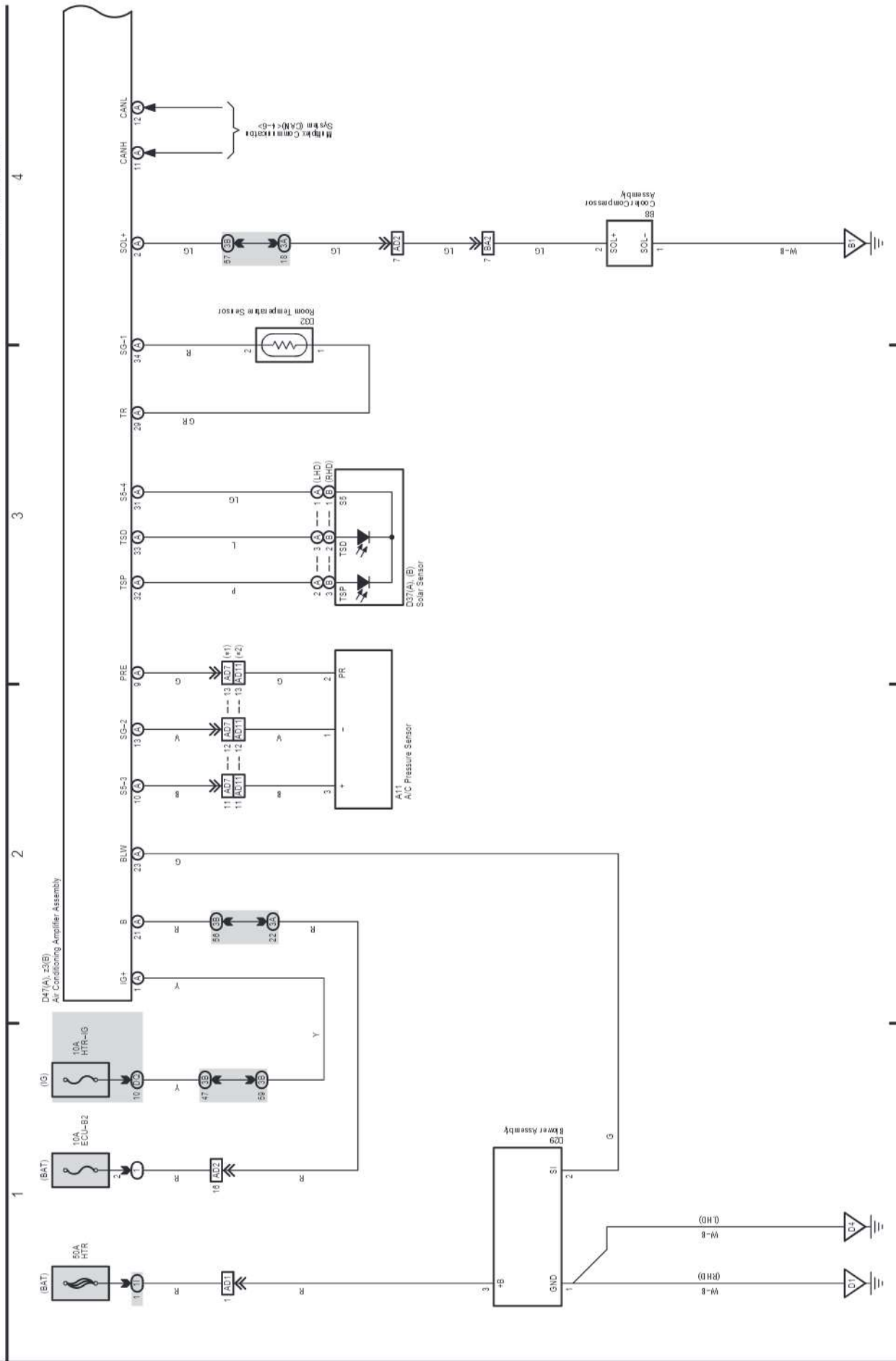
M OVERALL ELECTRICAL WIRING DIAGRAM

45 AVENSIS

(Cont. next page)

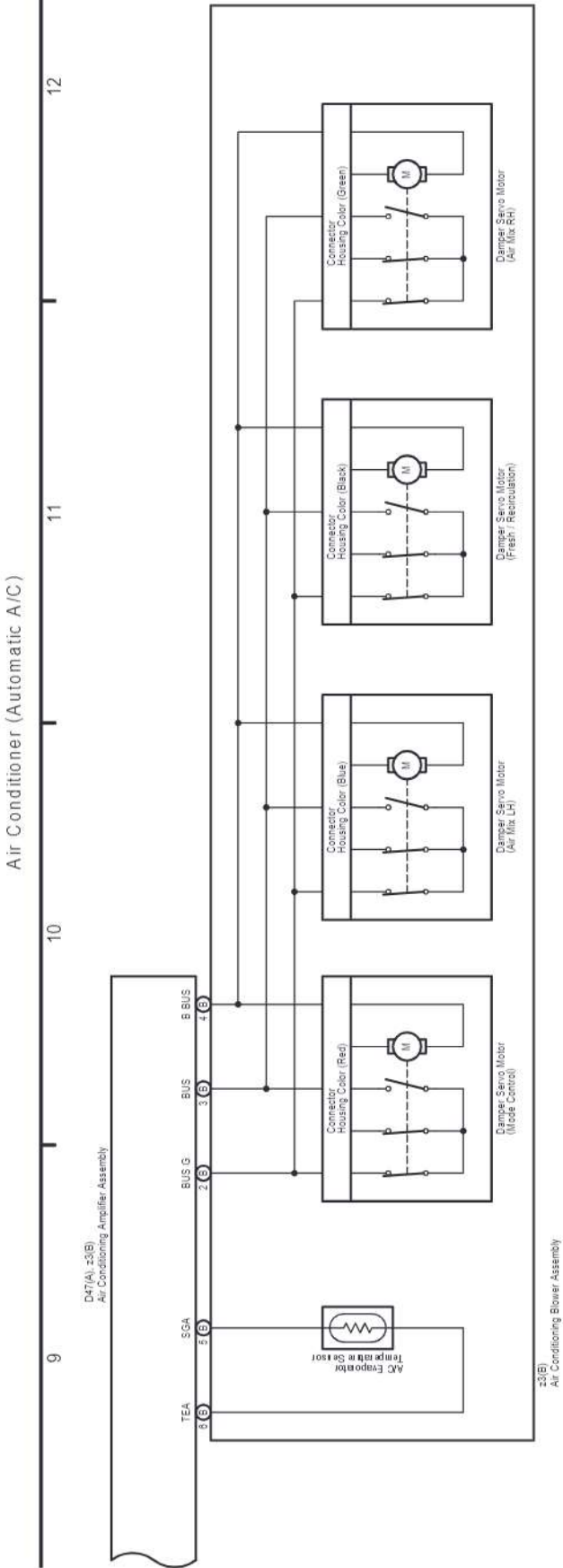
Air Conditioner (Automatic A/C)

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

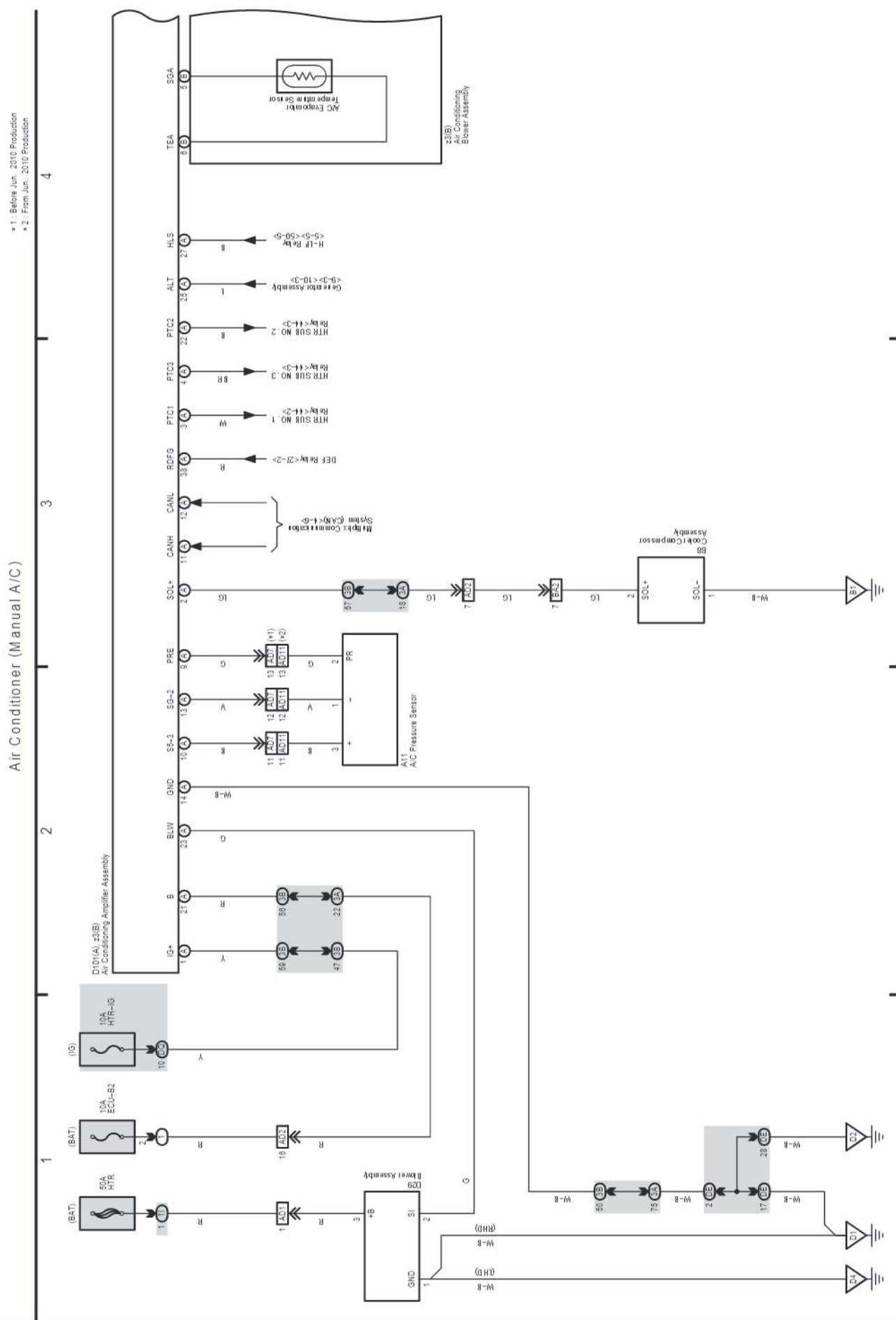


M OVERALL ELECTRICAL WIRING DIAGRAM

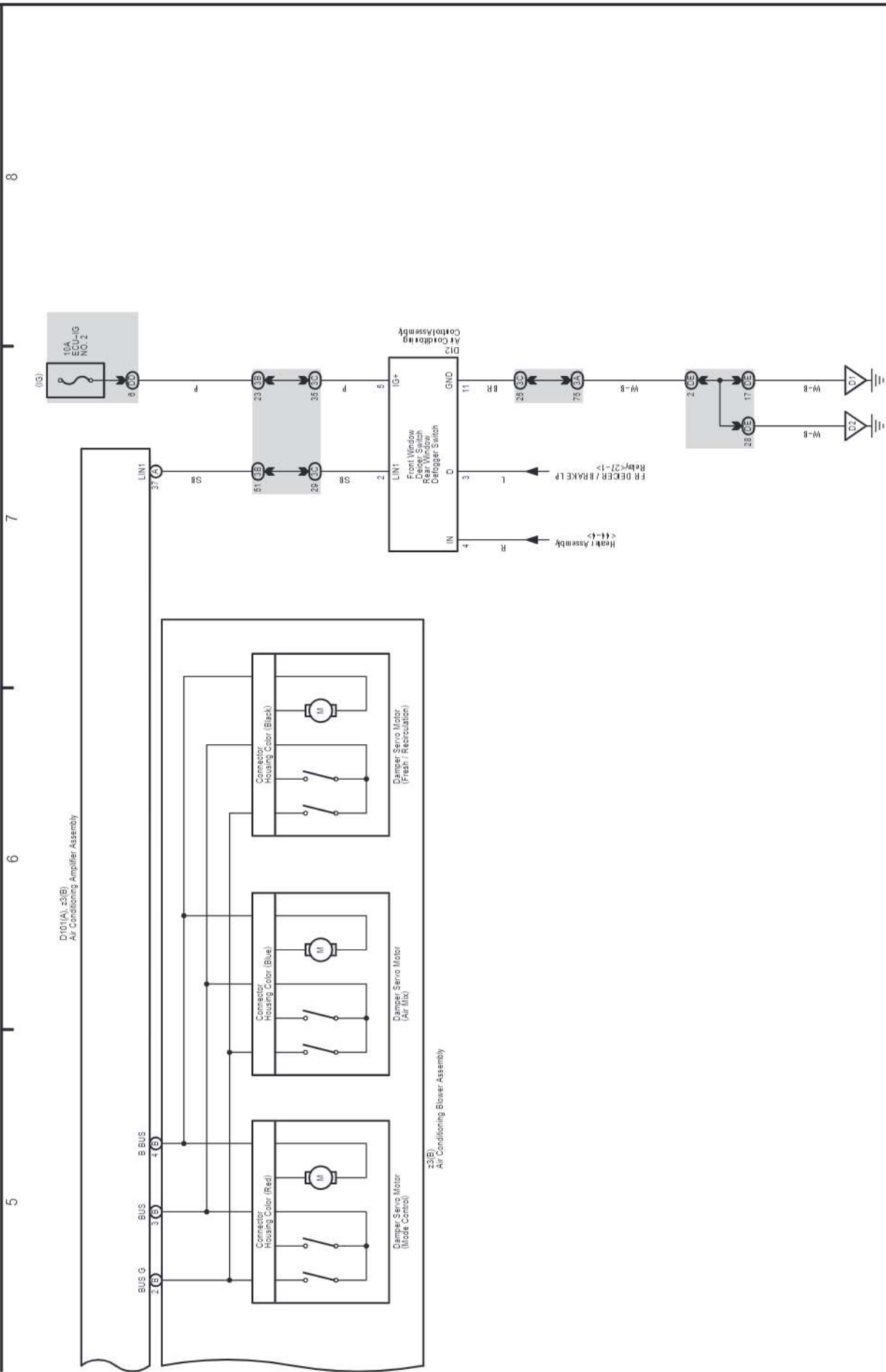
45 AVENSIS (Cont' d)



M OVERALL ELECTRICAL WIRING DIAGRAM



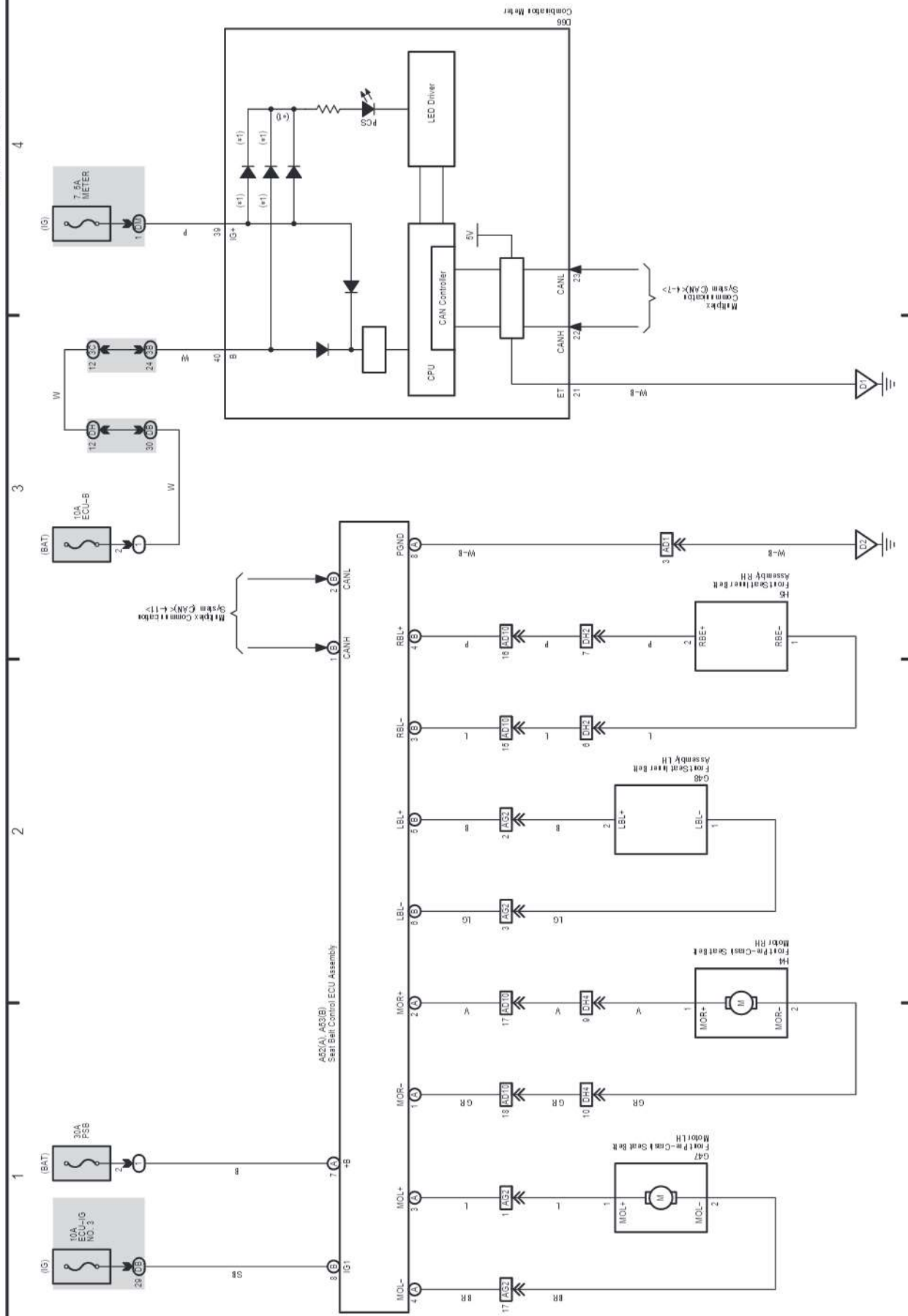
Air Conditioner (Manual A/C)



M OVERALL ELECTRICAL WIRING DIAGRAM

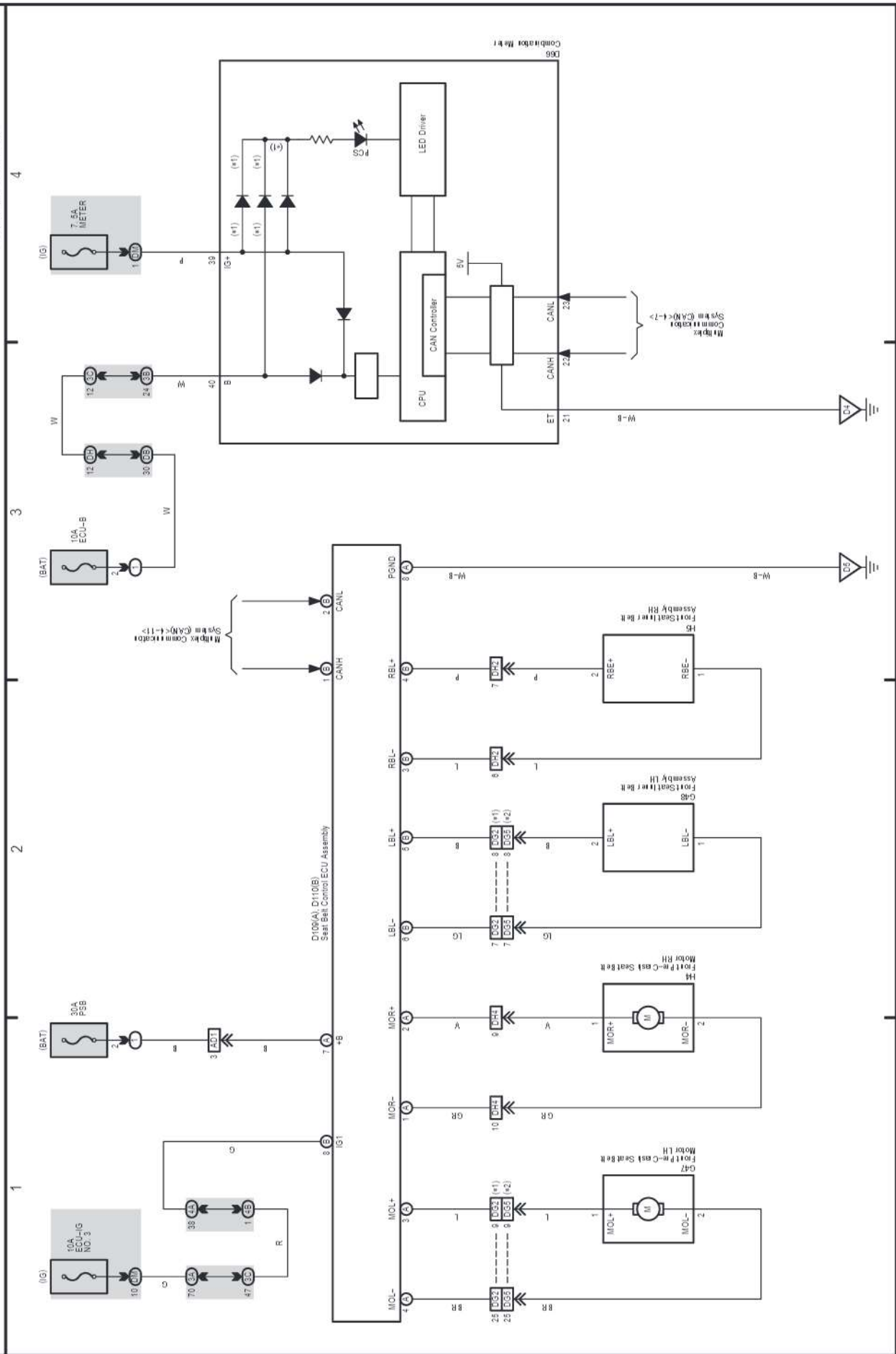
Pre-Crash Safety System (LHD)

* 1 : Before Jun. 2010 Production



Pre-Crash Safety System (RHD)

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



M OVERALL ELECTRICAL WIRING DIAGRAM

49 AVENSIS

*1: w/ Entry & Start System
*2: w/o Entry & Start System

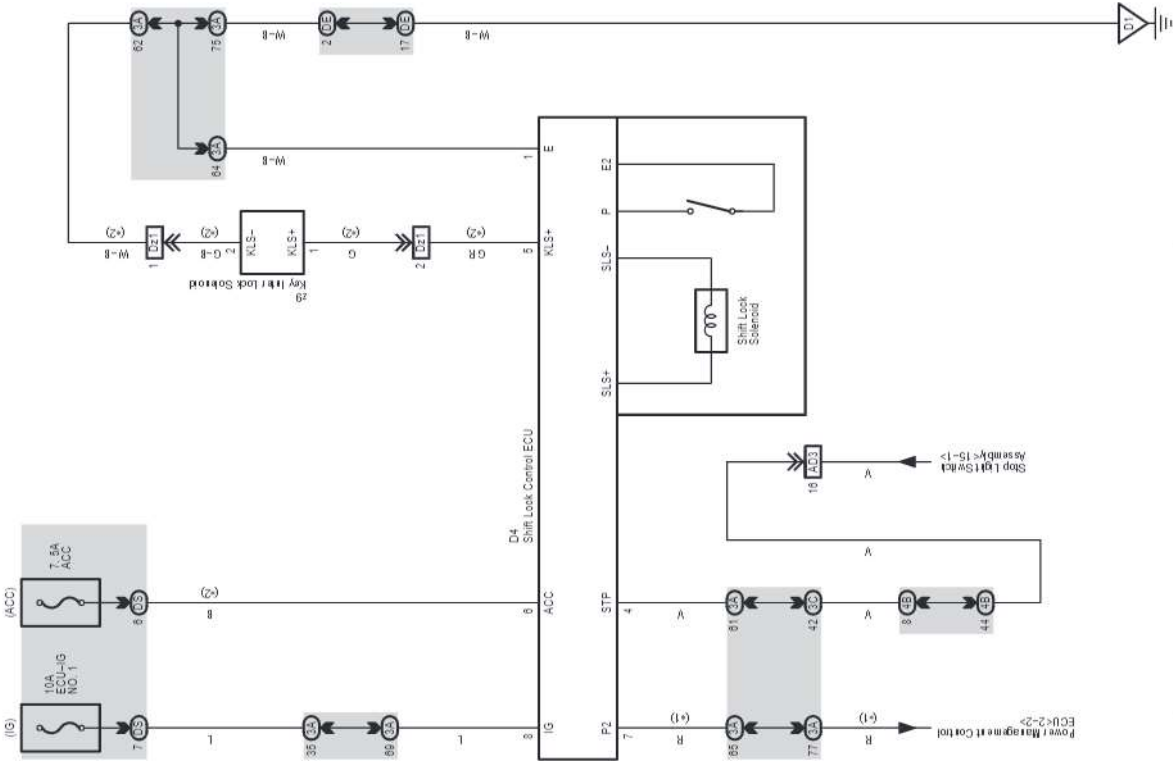
Shift Lock

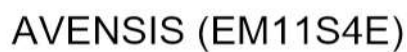
4

2

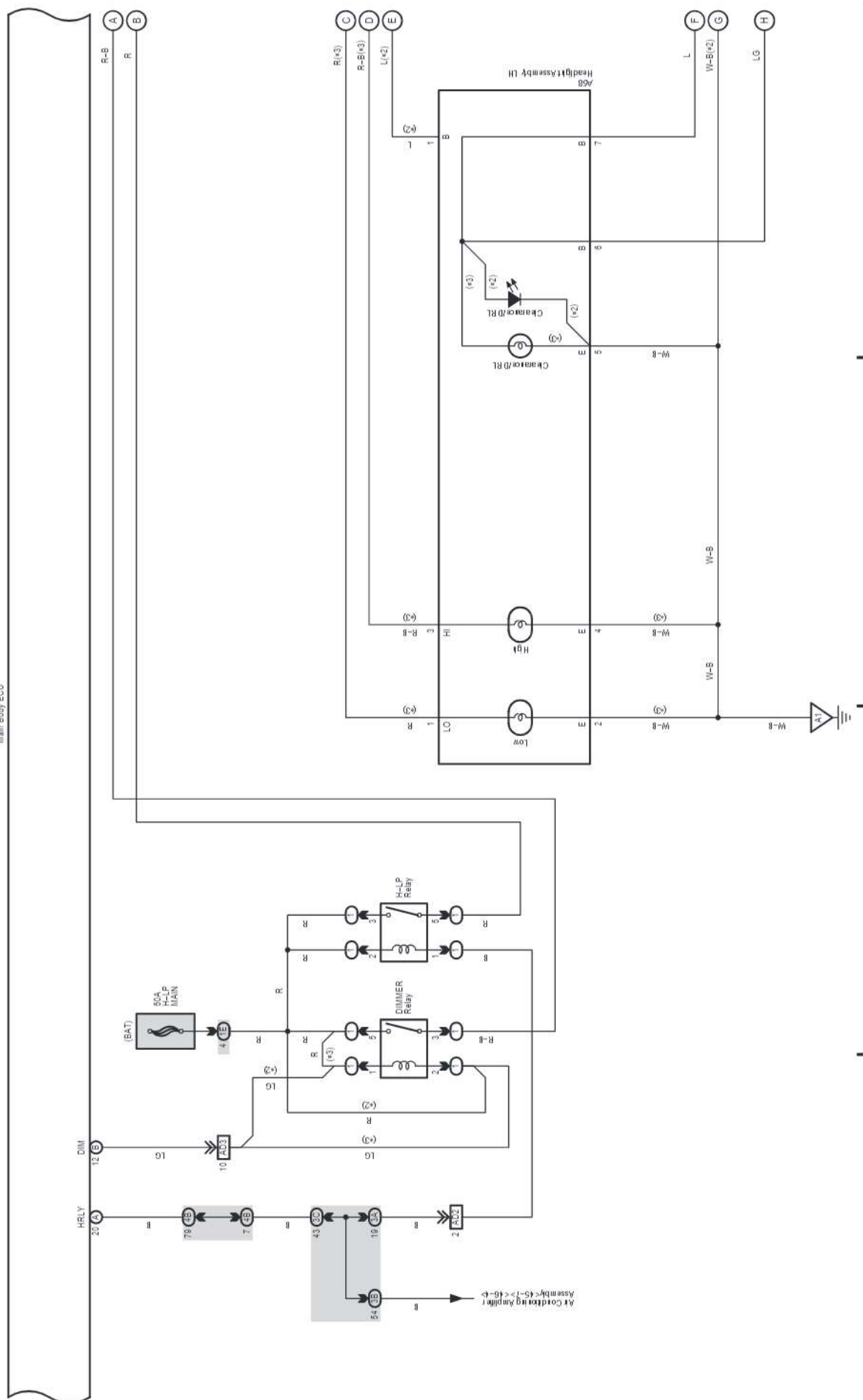
3

1





```
* 2 : HID Type
* 3 : Except HID Type
```

D79(A), D80(B), D81(C)
Main Body ECU

M OVERALL ELECTRICAL WIRING DIAGRAM

50 AVENSIS (Cont' d)

(Cont. next page)

*2 : HID Type
*3 : Except HID Type
*20 : Before Feb. 2013 Production
*21 : From Feb. 2013 Production
*23 : LHD w/o Power Tilt and Power Telescopic,
RHD w/o Theft Deterrent
*24 : Except *23

Headlight (From Nov. 2011 Production)

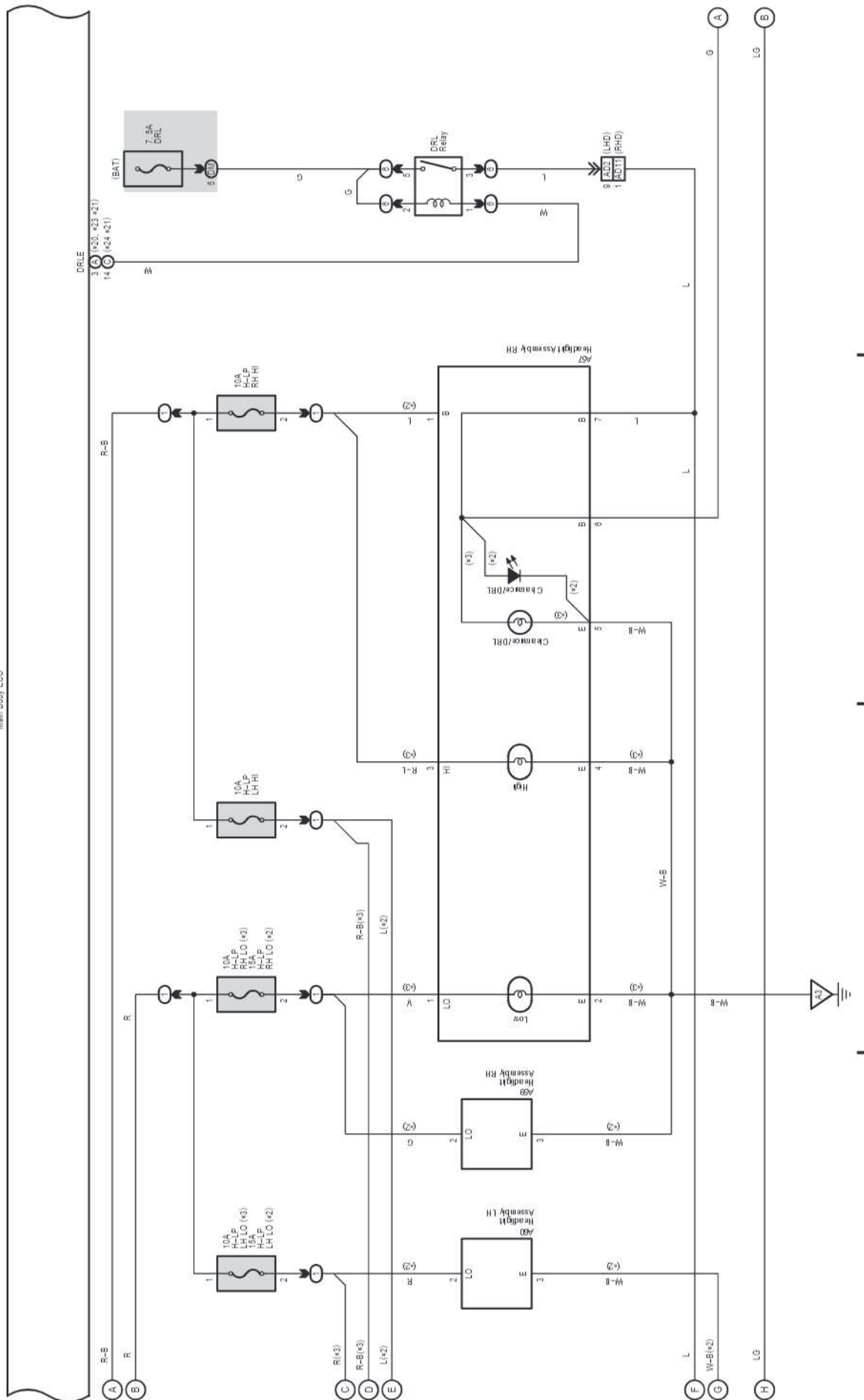
D79(A), D80(B), D81(C)
Main Body ECU

9

10

11

12



AVENSIS (EM11S4E)

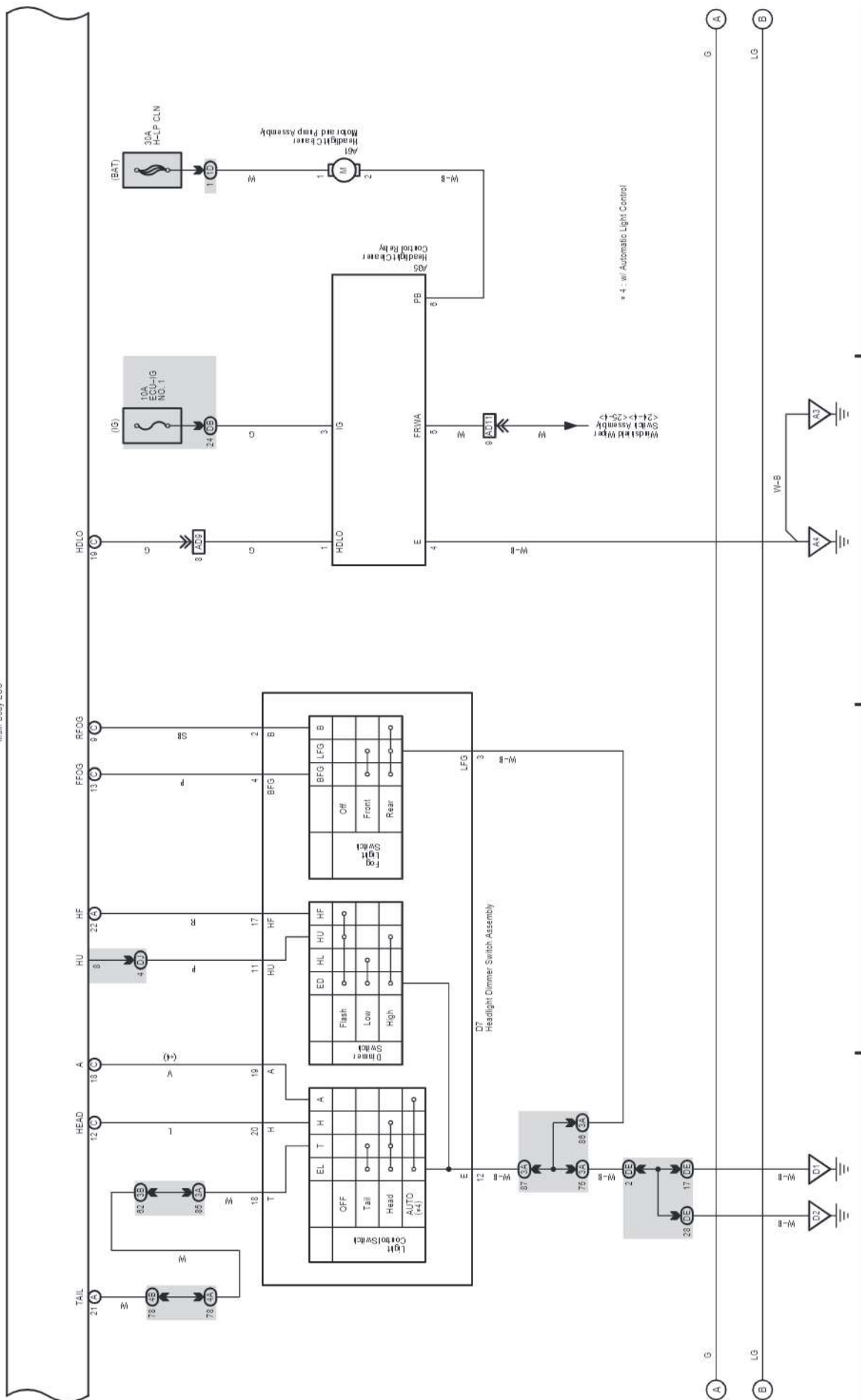
Automatic Light Control (From Nov. 2011 Production)
and Light Auto Turn Off System (From Nov. 2011 Production)Headlight Cleaner
(From Nov. 2011 Production)

13

14

15

16

D79(A), D80(B), D81(C)
Main Body ECU

M OVERALL ELECTRICAL WIRING DIAGRAM

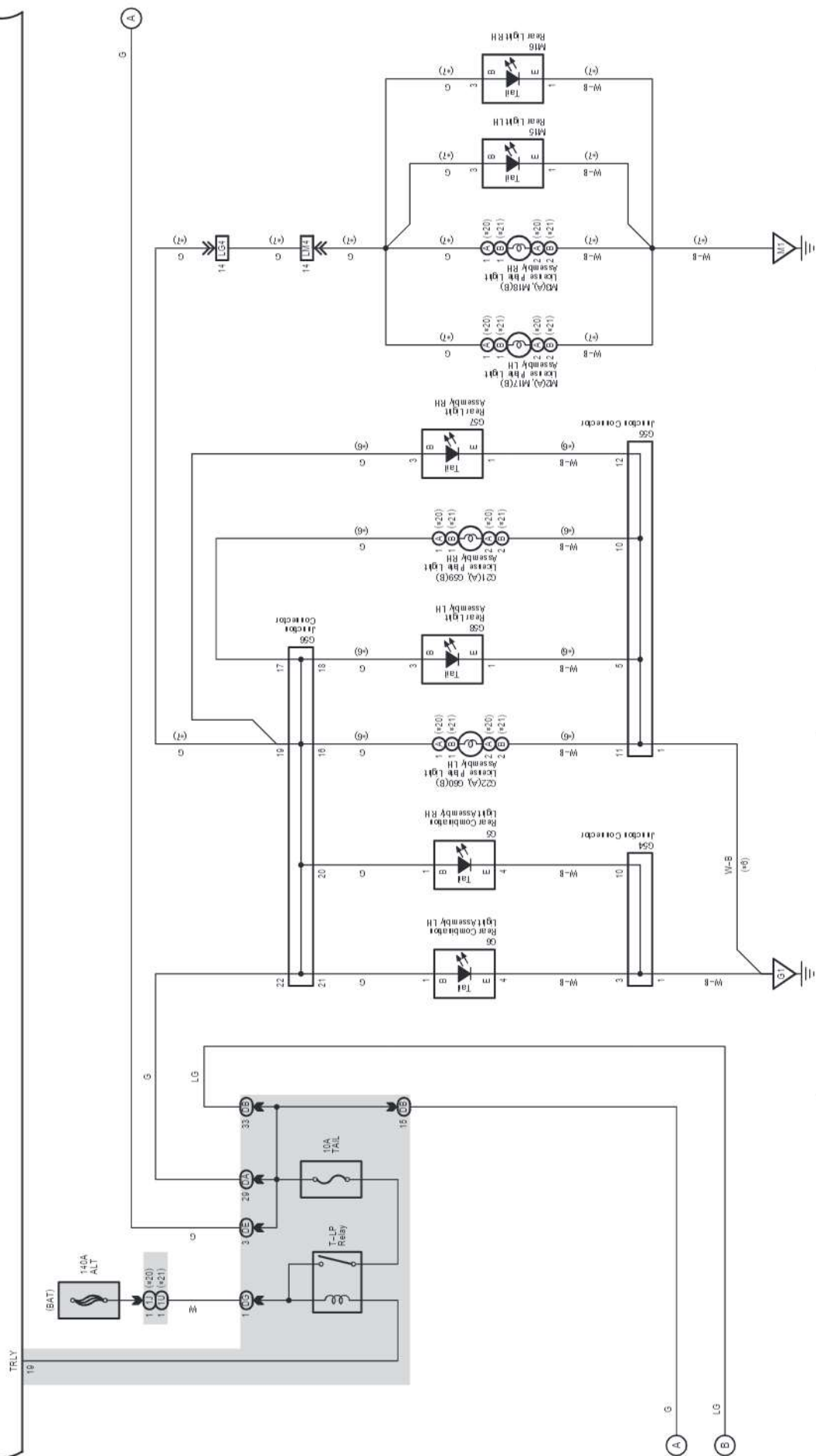
50 AVENSIS (Cont' d)

(Cont. next page)

* 6 : Sedan
* 7 : Wagon
* 20 : Before Feb. 2013 Production
* 21 : From Feb. 2013 Production

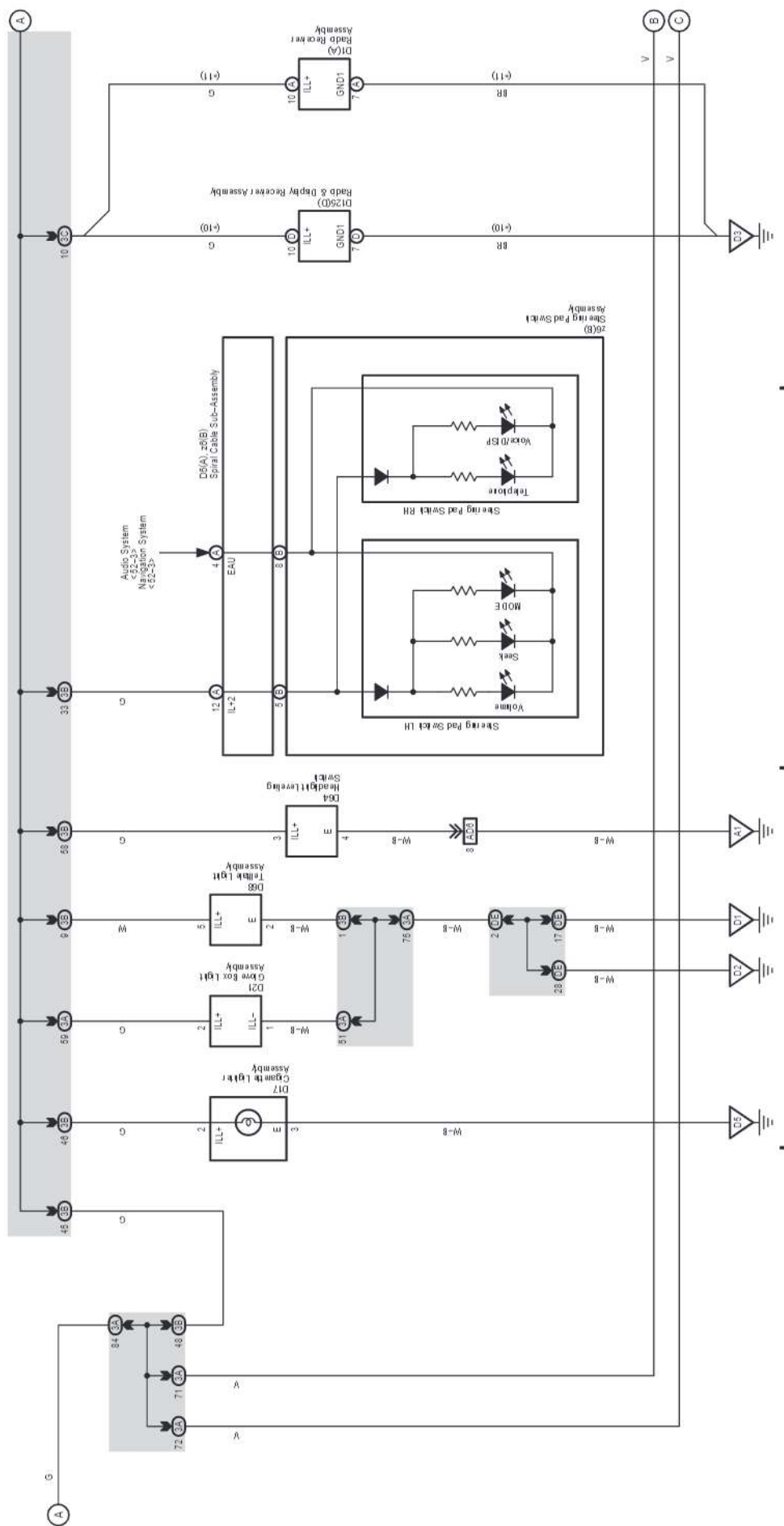
Taillight (From Nov. 2011 Production)

D79(A), D80(B), D81(C)
Main Body ECU



AVENSIS (EM11S4E)

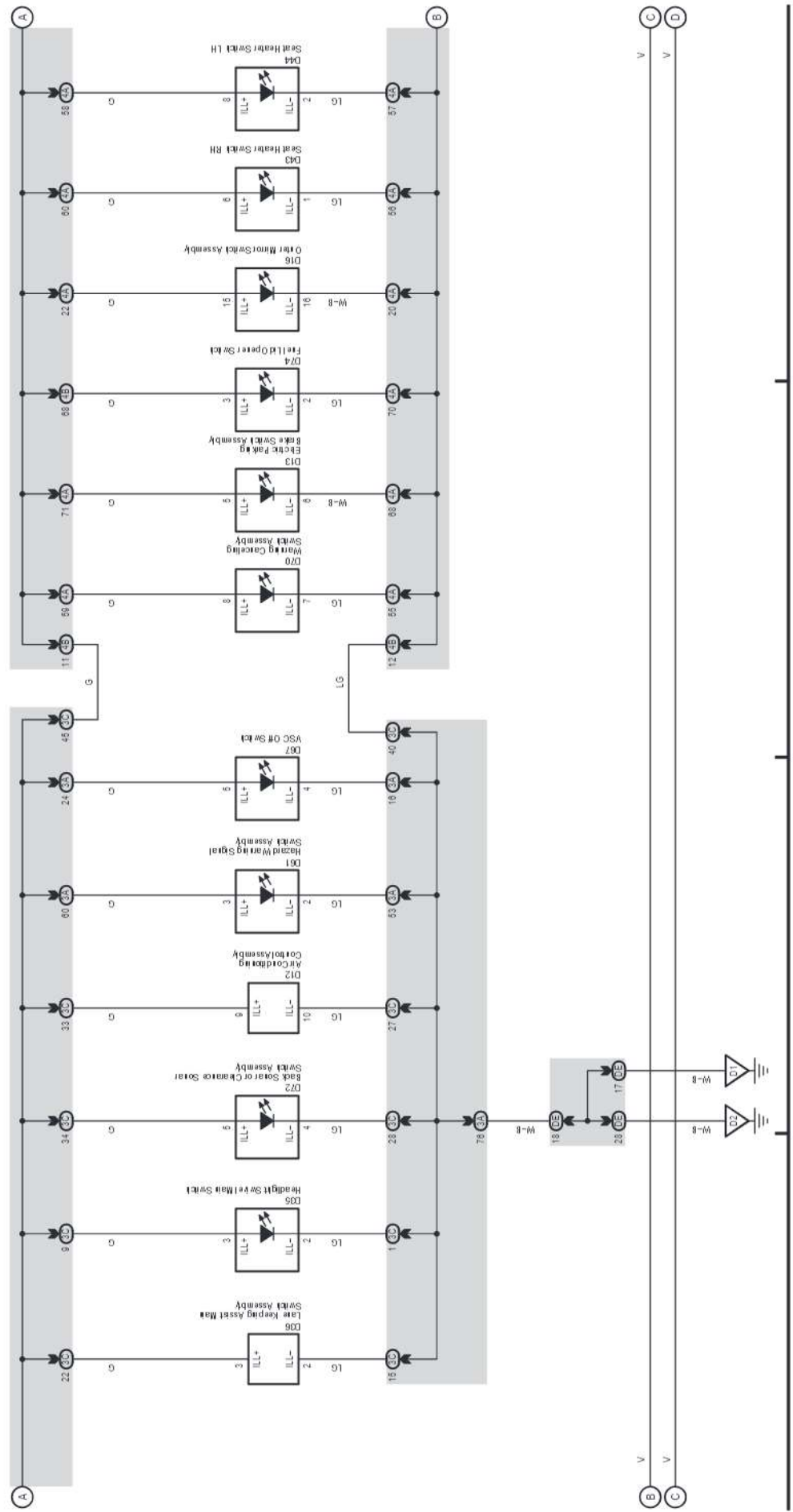
Illumination (From Nov. 2011 Production)

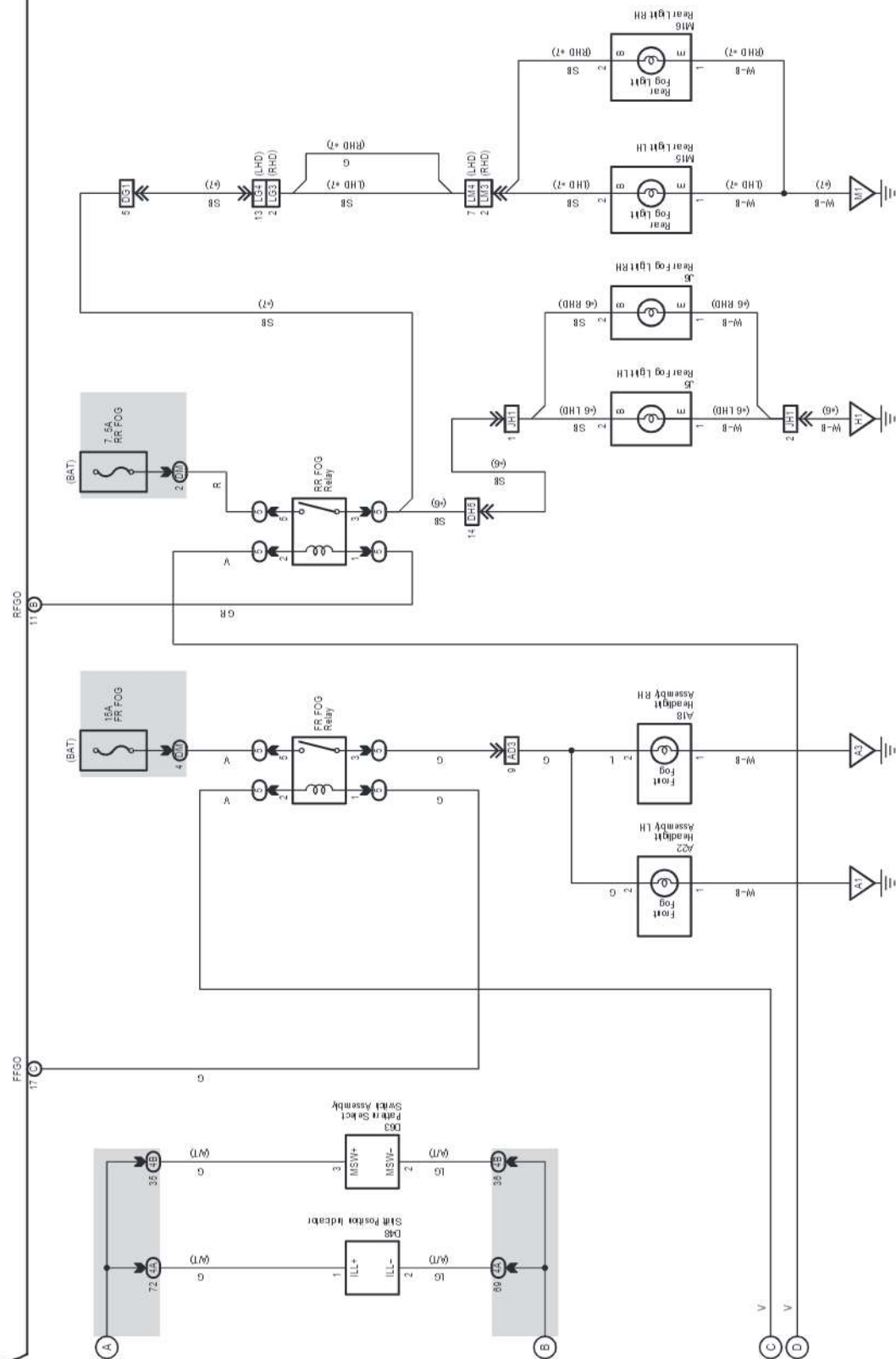
*10: Display Audio Type.
*11: Except Display Audio TypeD79(A), D80(B), D81(C)
Main Body ECU

M OVERALL ELECTRICAL WIRING DIAGRAM

Illumination (From Nov. 2011 Production)

D79(A), D80(B), D81(C)
Main Body ECU

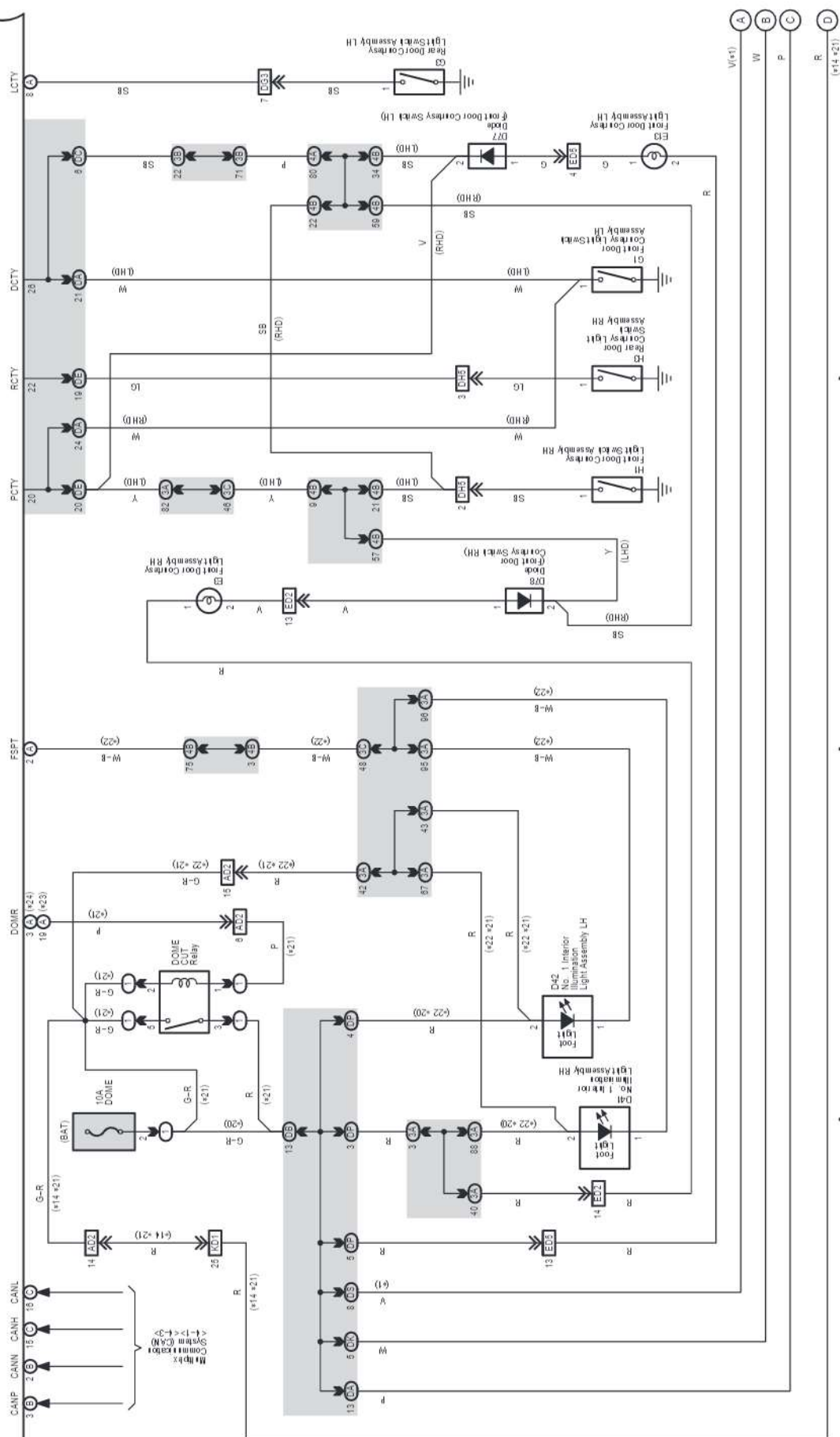


D78(A), D80(B), D81(C)
Main Body ECU

Interior Light (From Nov. 2011 Production)

*1: w/o Entry & Start System
 *14: w/ Intrusion Sensor
 *20: Before Feb. 2013 Production
 *21: From Feb. 2013 Production
 *22: w/ Foot Light
 *23: LHD w/o Power Tilt and Power Telescopic,
 RHD w/o Theft Deterrent
 *24: Except *23

DTR(A), D80(B), D81(C)
 Main Body ECU



*1: w/o Entry & Start System
 *14: w/ Intrusion Sensor
 *20: Before Feb. 2013 Production
 *21: From Feb. 2013 Production

Interior Light (From Nov. 2011 Production)

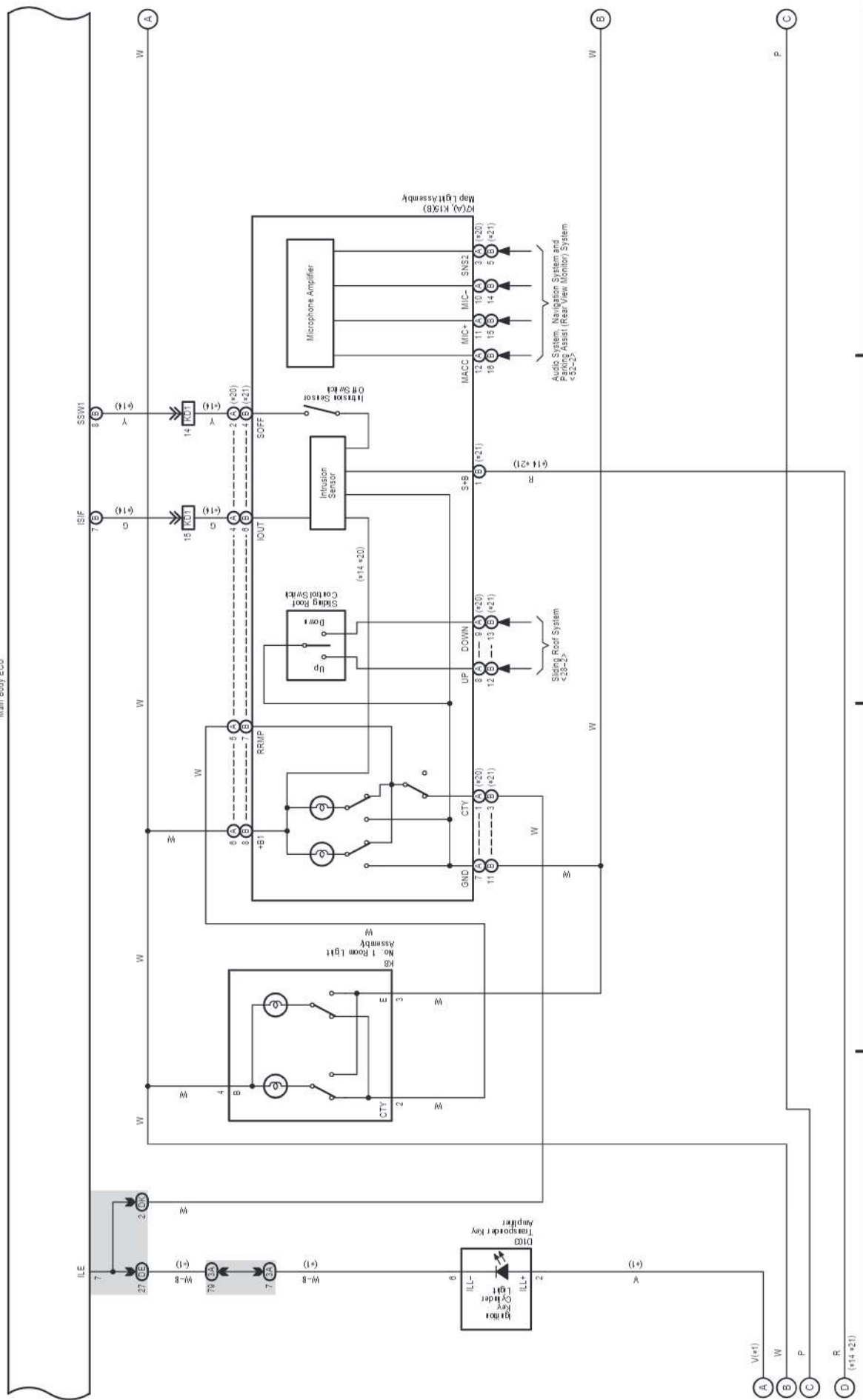
40

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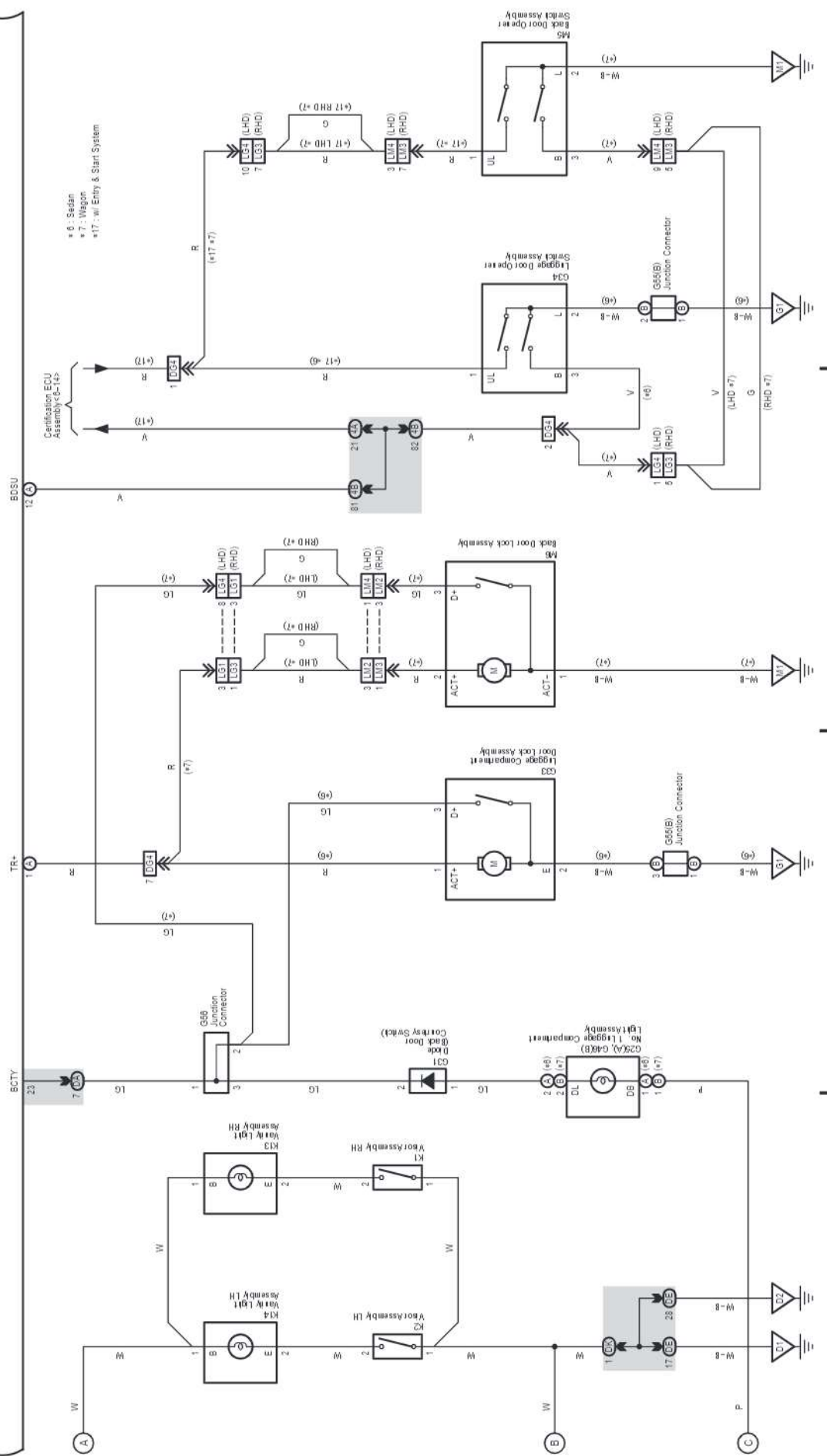
D79(A), D80(B), D81(C)
 Main Body ECU



Interior Light

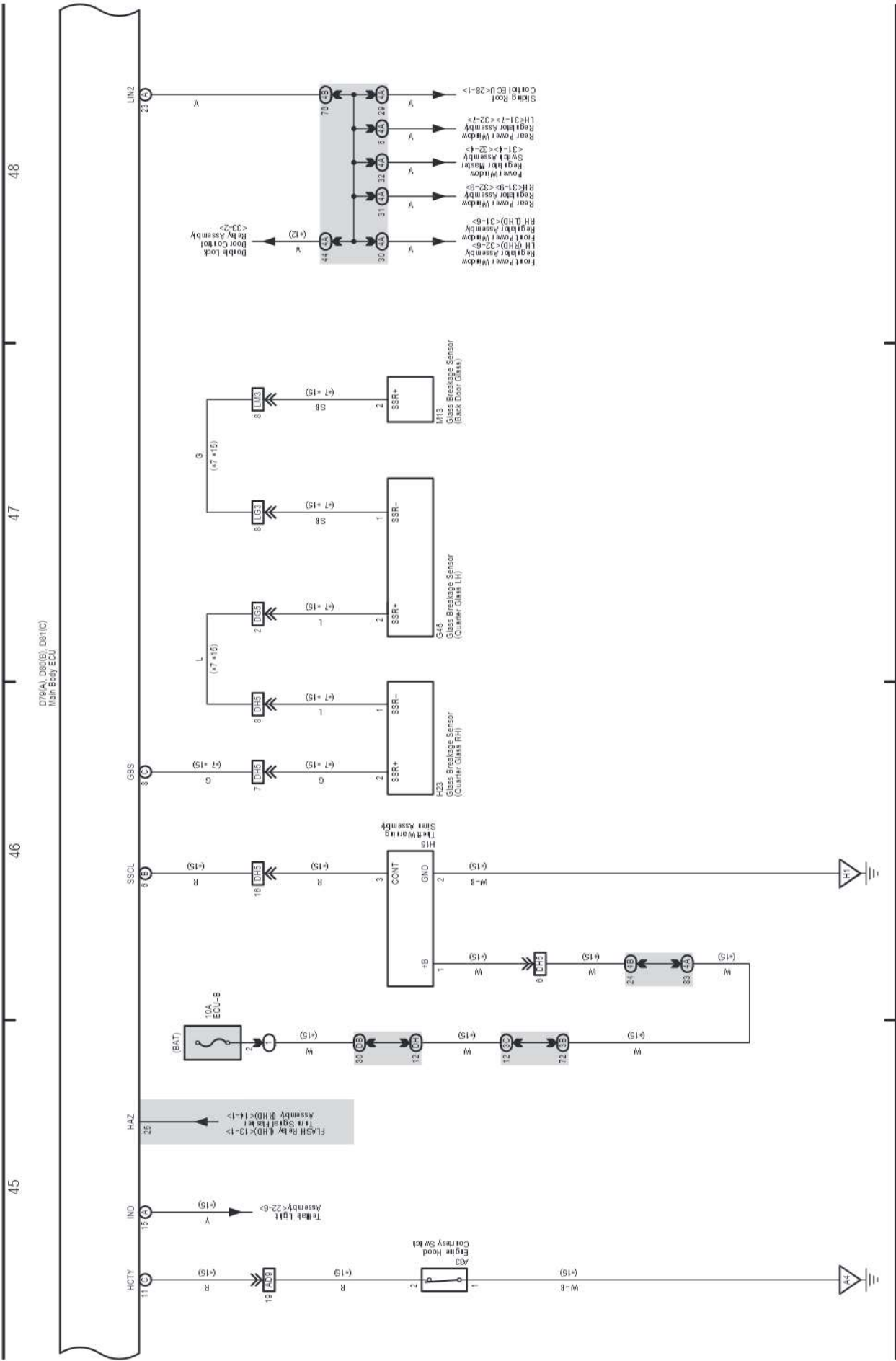
(From Nov. 2011 Production)

Back Door Opener (From Nov. 2011 Production)

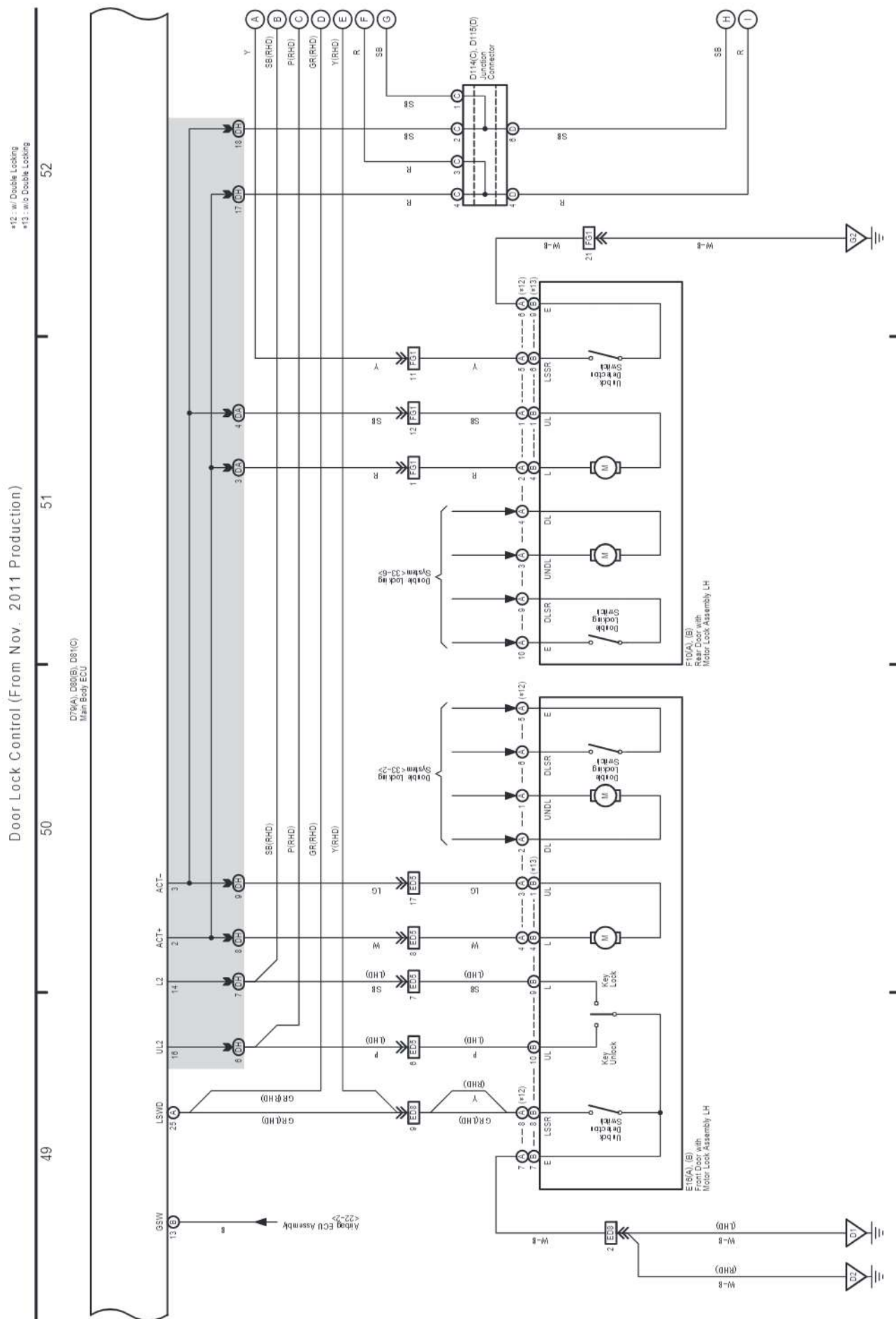
DT9(A), D80(B), D81(C)
Main Body ECU

Theft Deterrent (From Nov. 2011 Production)

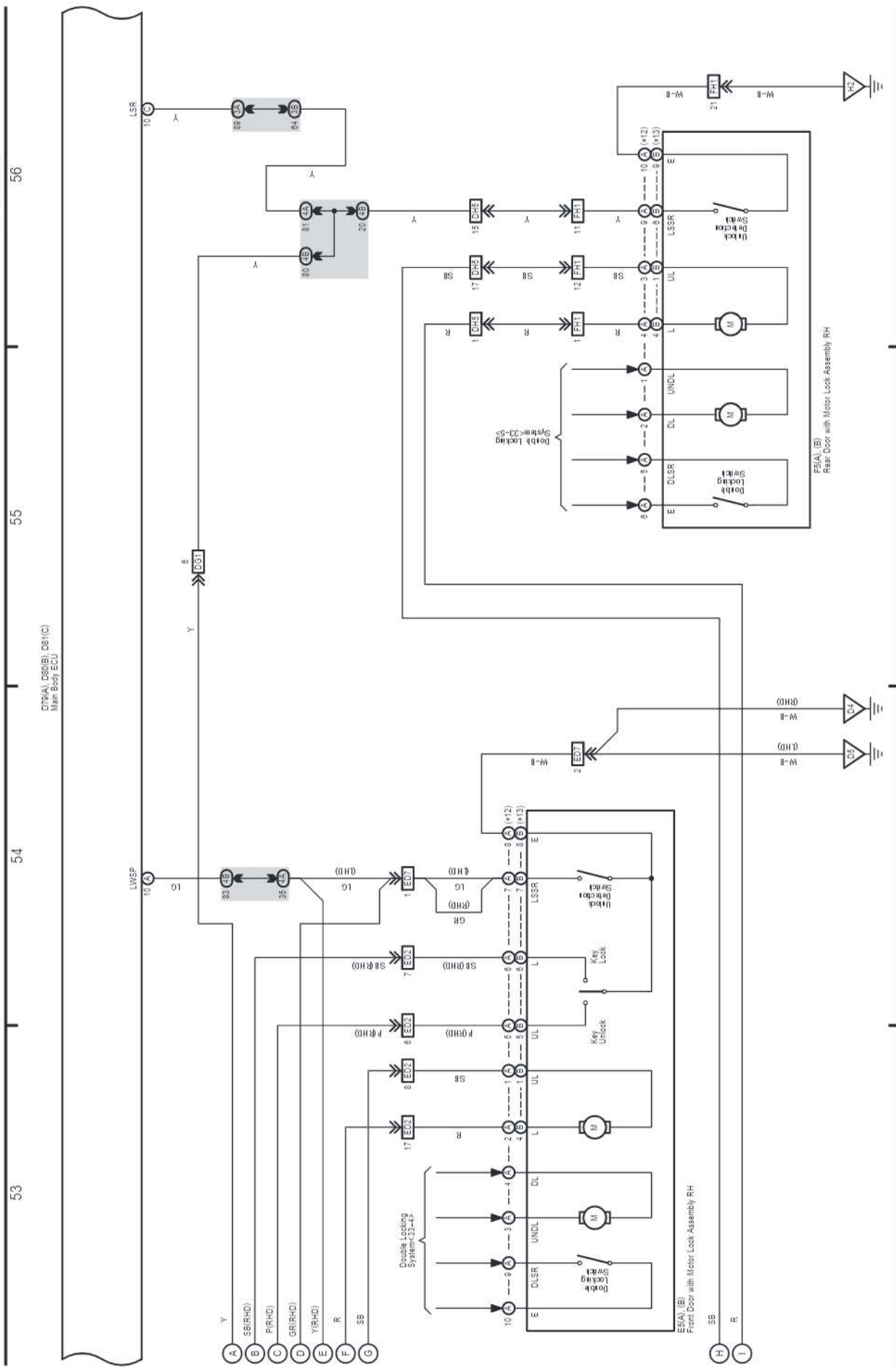
*7 : Wagon
 *12 : w/ Double Locking
 *15 : w/ Theft Deterrent



AVENSIS (EM11S4E)

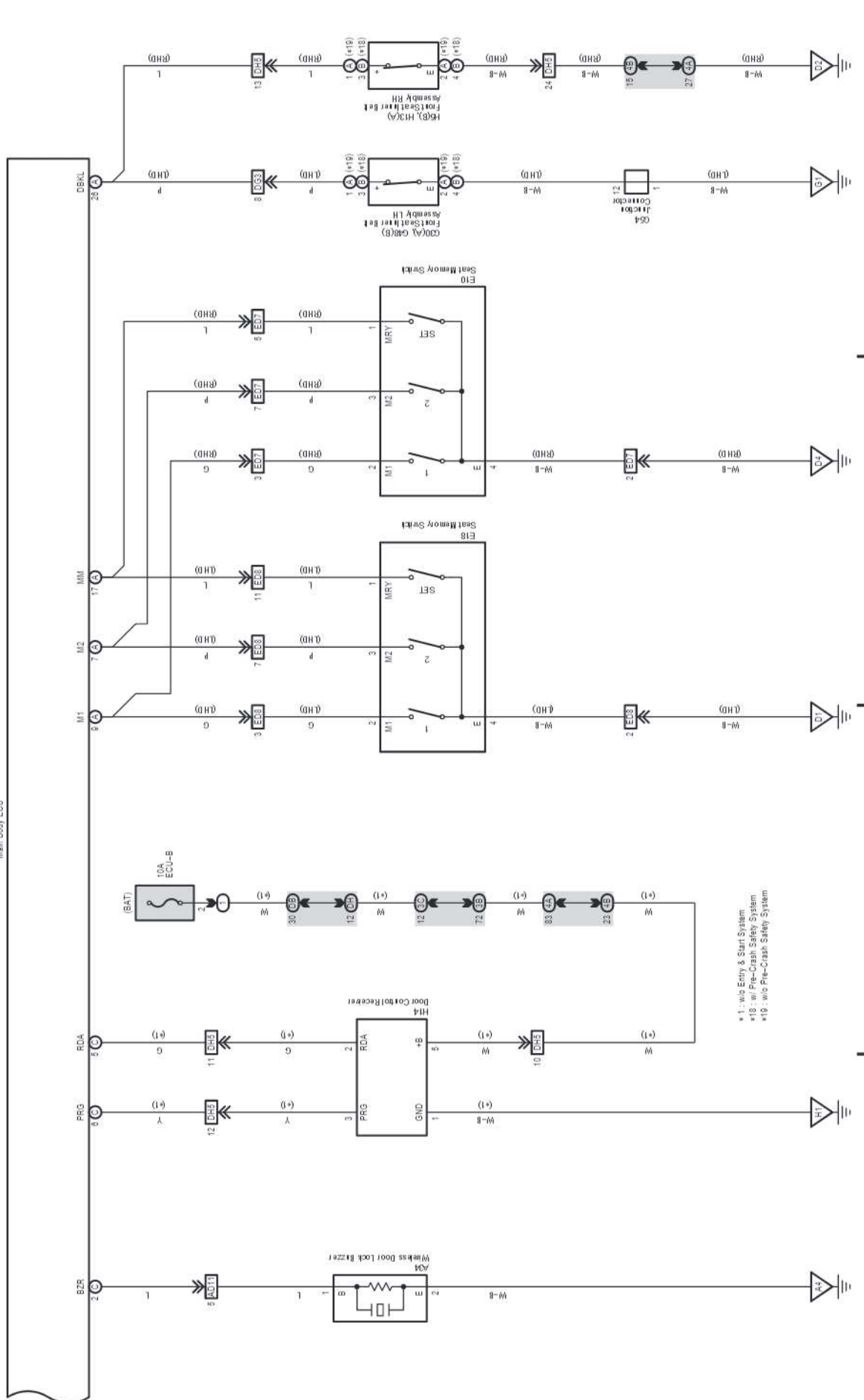


#12 : w/ Double Locking
#13 : w/o Double Locking

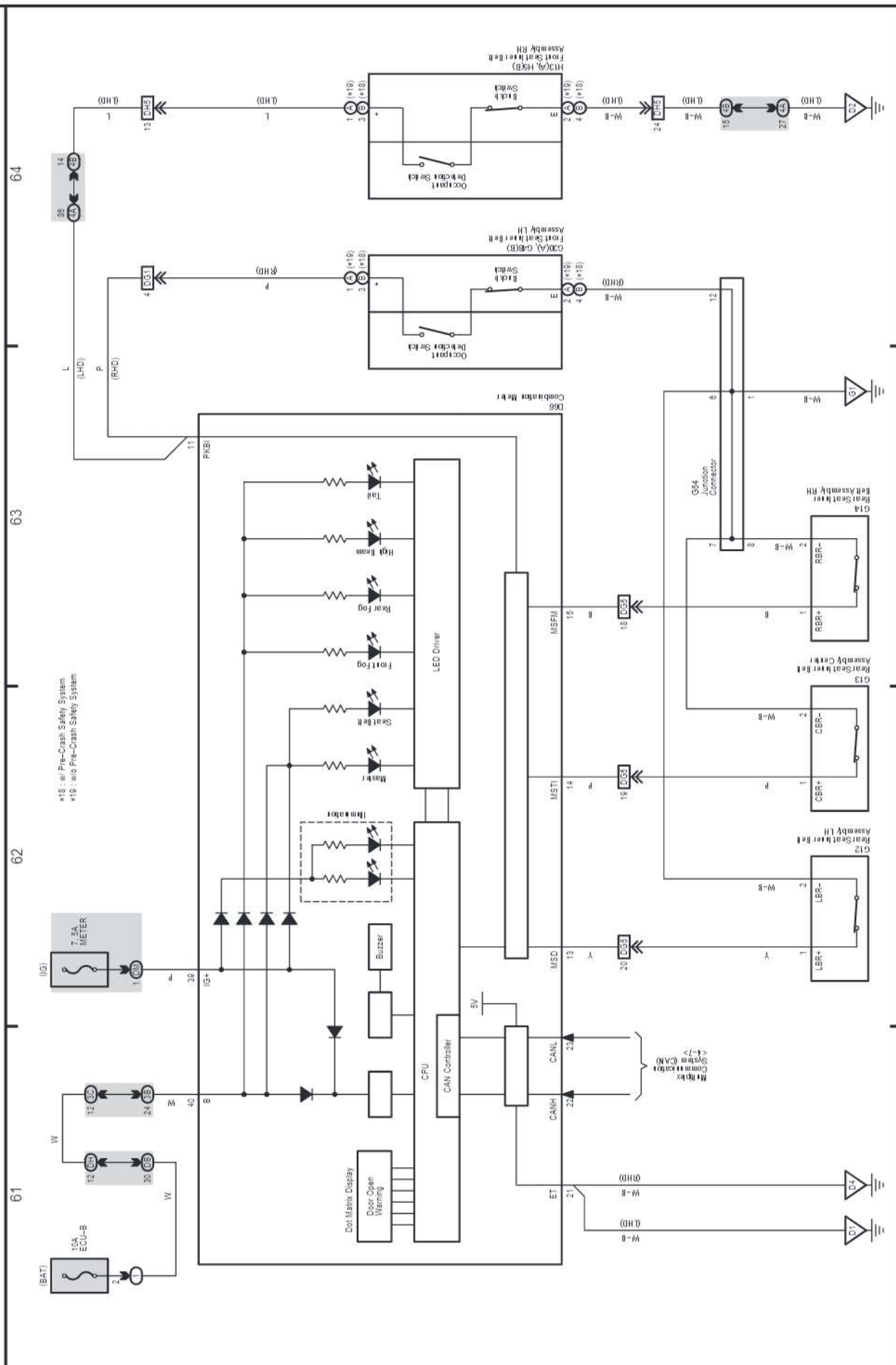


Wireless Door Lock Control (w/o Entry & Start System) (From Nov. 2011 Production)

D70(A), D80(B), D81(C)
Main Body ECU

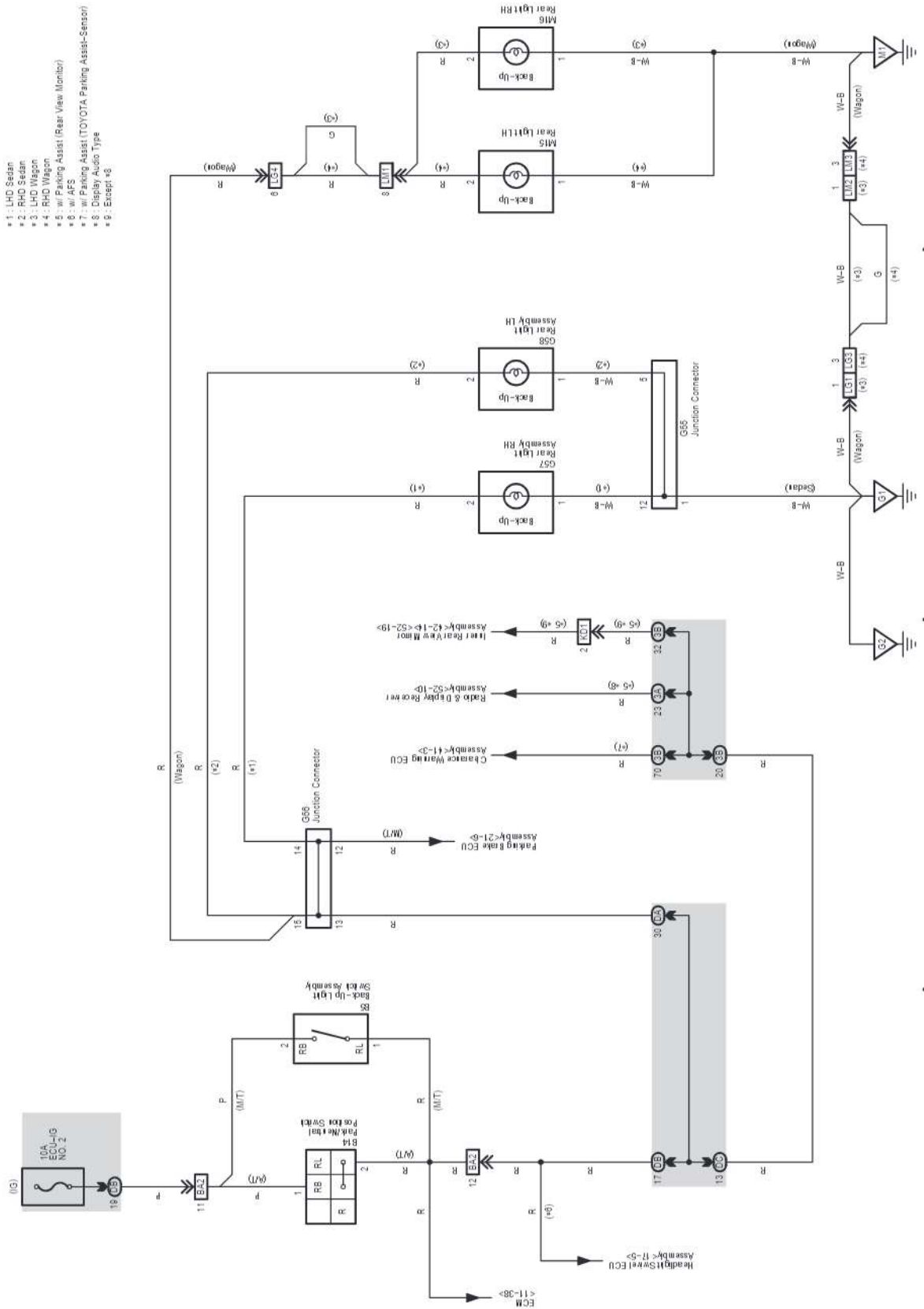


Seat Belt Warning (From Nov. 2011 Production)



M OVERALL ELECTRICAL WIRING DIAGRAM

Back-Up Light (From Nov. 2011 Production)

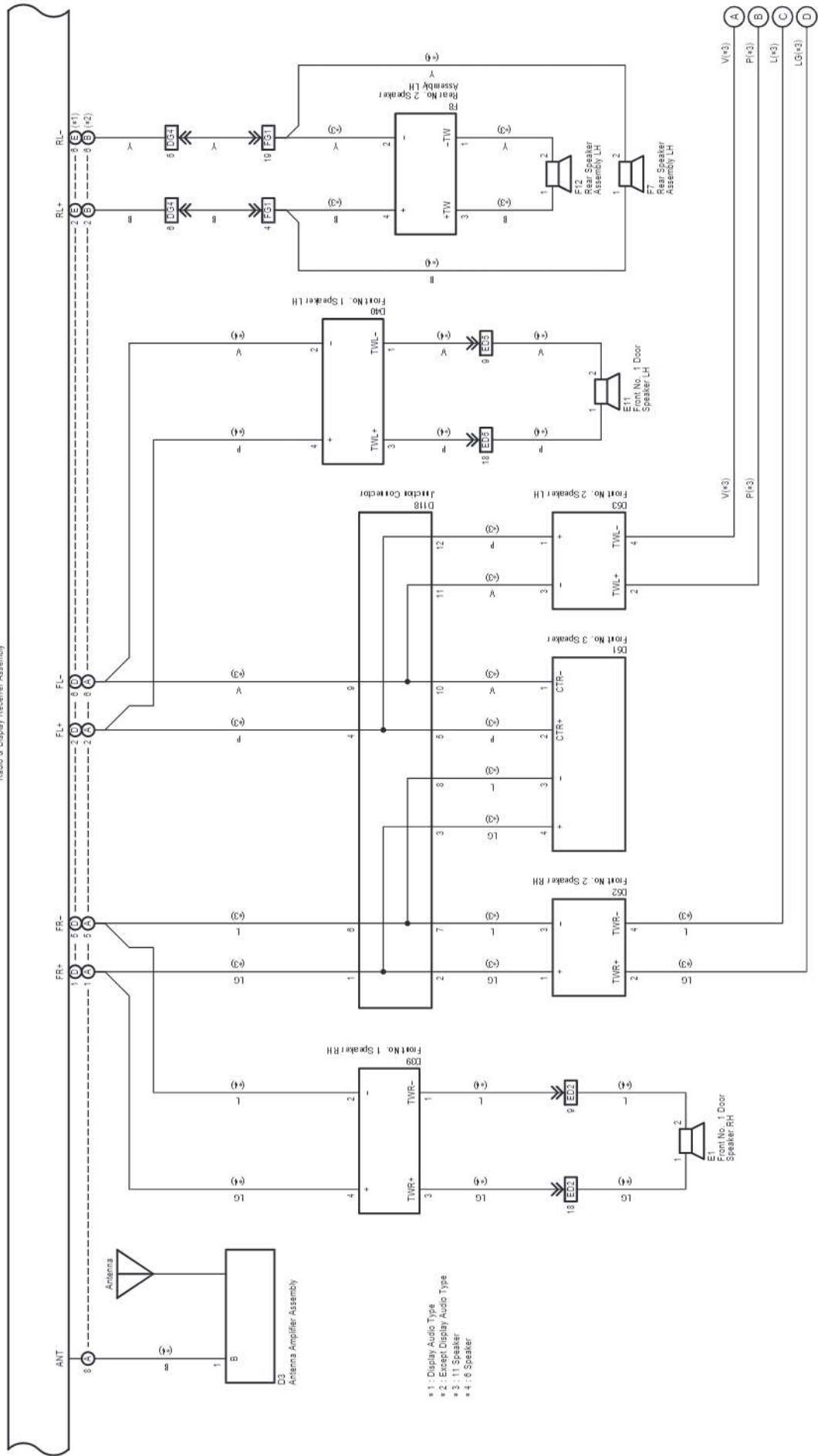


AVENSIS (EM11S4E)

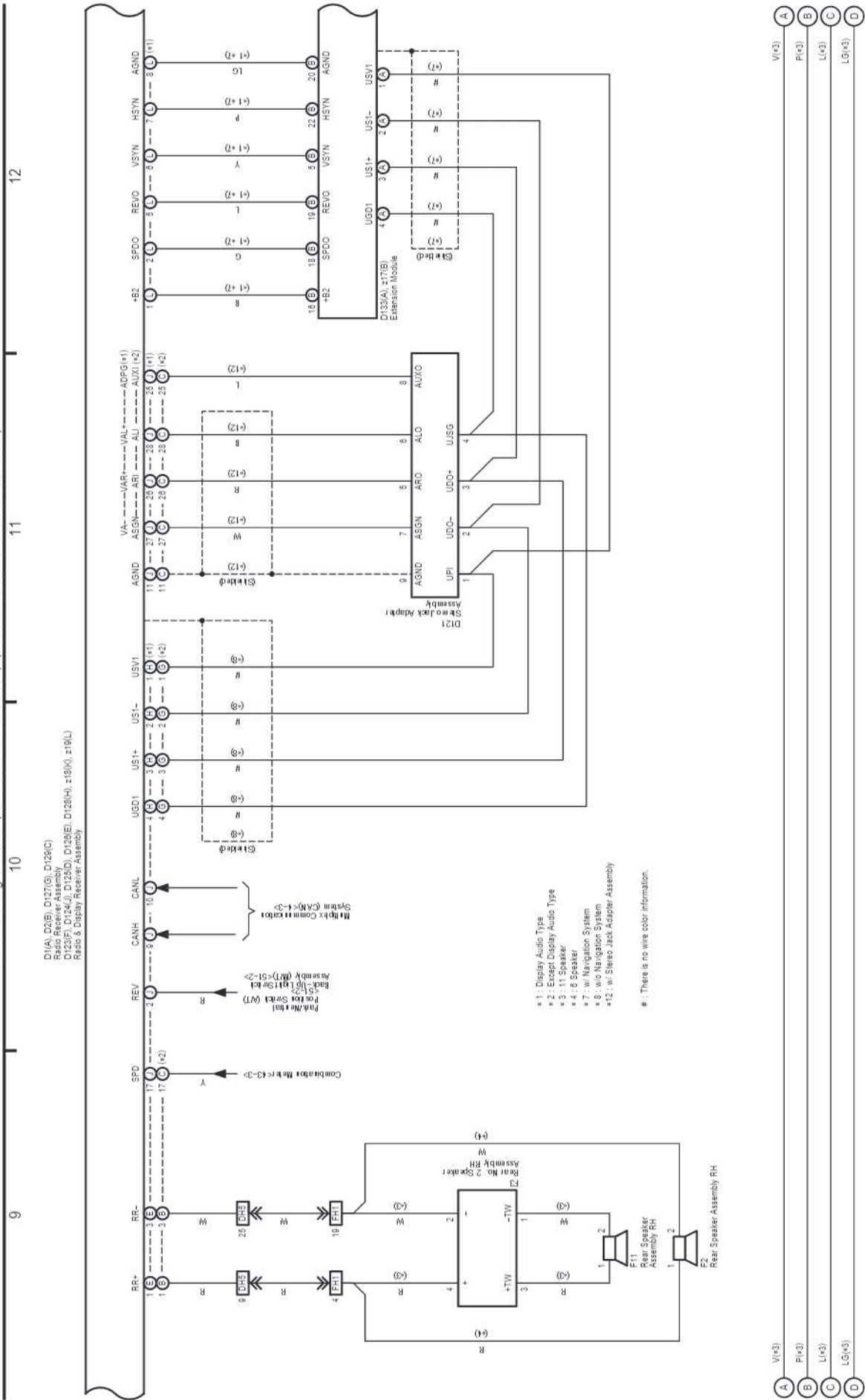


Audio System (From Nov. 2011 Production),
Navigation System (From Nov. 2011 Production)
and Parking Assist (Rear View Monitor) (From Nov. 2011 Production)

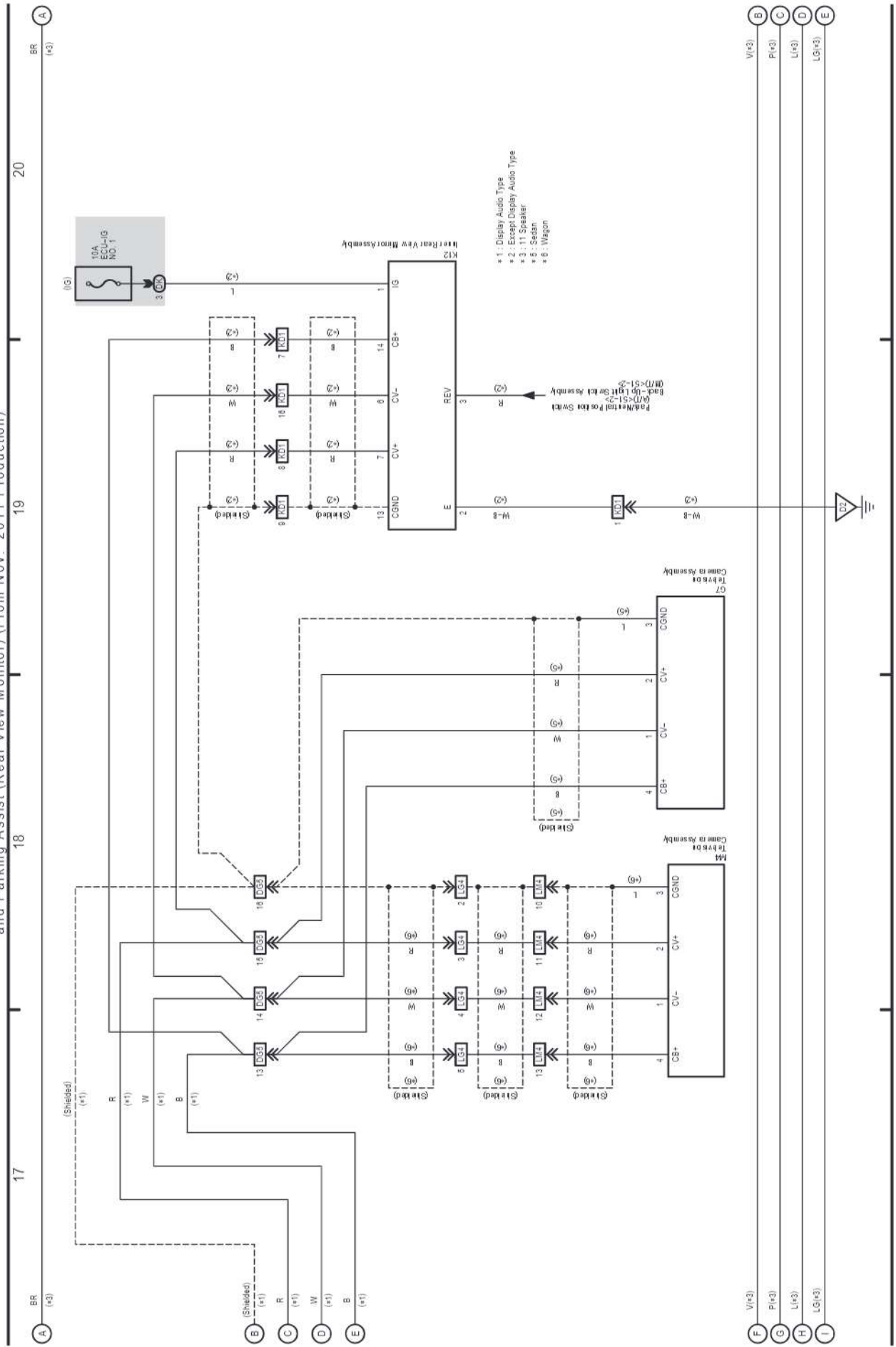
D1(A), D2(B), D127(G), D129(C)
Radio Receiver Assembly
D123(F), D124(J), D125(D), D126(E), D128(H), z18(K), z19(L)
Radio & Display Receiver Assembly



Audio System (From Nov. 2011 Production),
Navigation System (From Nov. 2011 Production)
and Parking Assist (Rear View Monitor) (From Nov. 2011 Production)



Audio System (From Nov. 2011 Production),
Navigation System (From Nov. 2011 Production)
and Parking Assist (Rear View Monitor) (From Nov. 2011 Production)



Audio System (From Nov. 2011 Production),
Navigation System (From Nov. 2011 Production)
and Parking Assist (Rear View Monitor) (From Nov. 2011 Production)

24

23

22

21

