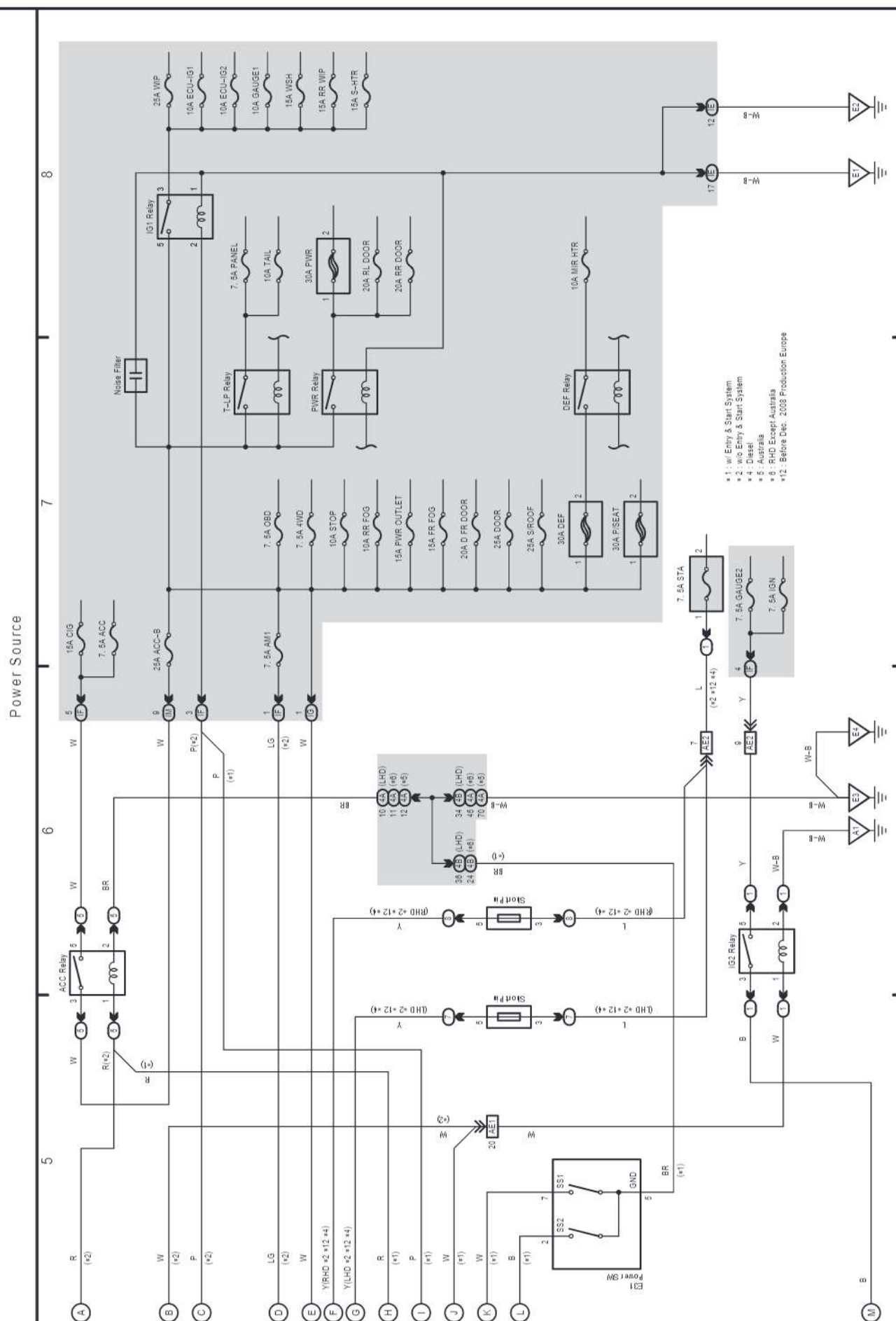


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1 TOYOTA RAV4 (Cont' d)

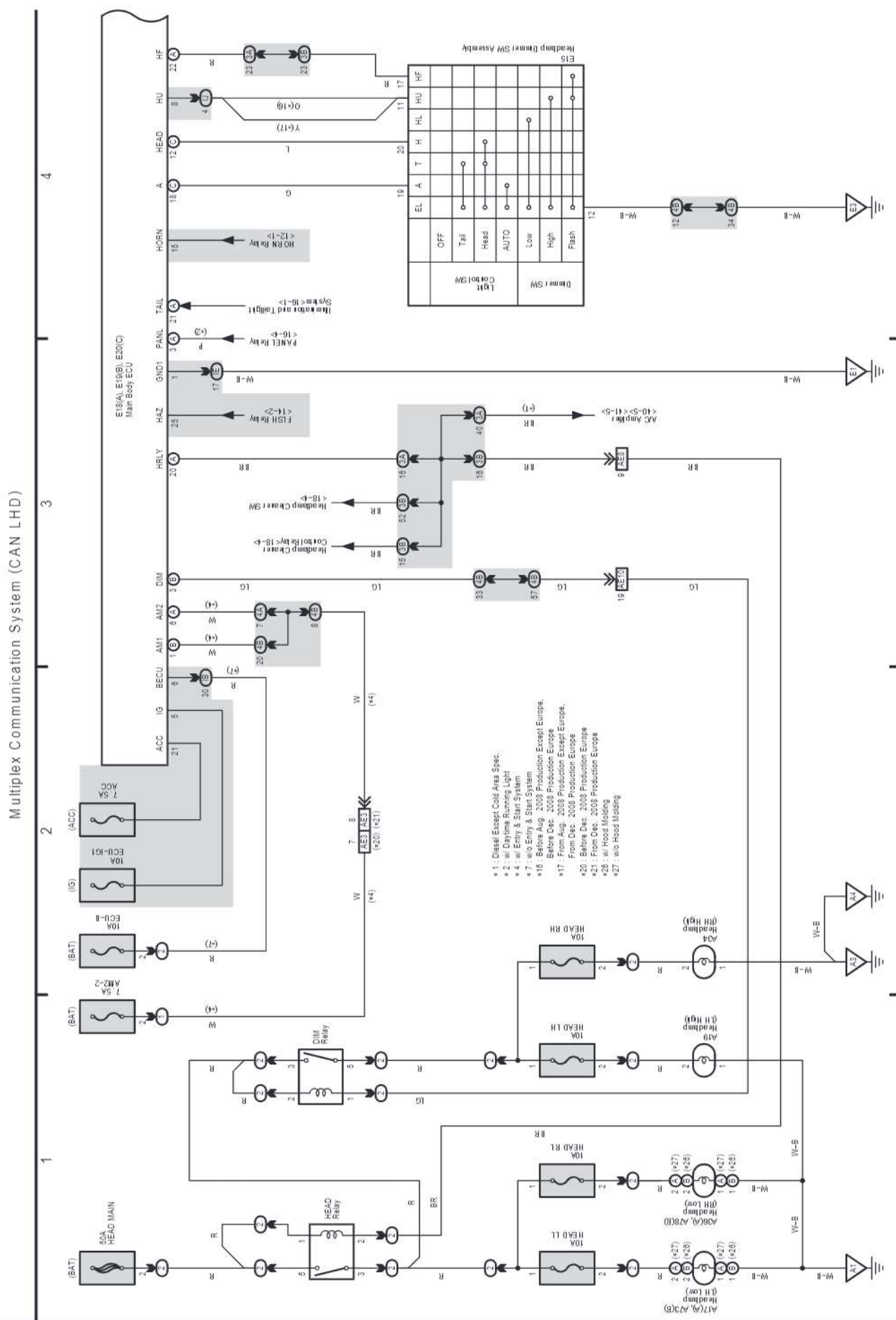


TOYOTA RAV4 (EM01NAE)

M OVERALL ELECTRICAL WIRING DIAGRAM

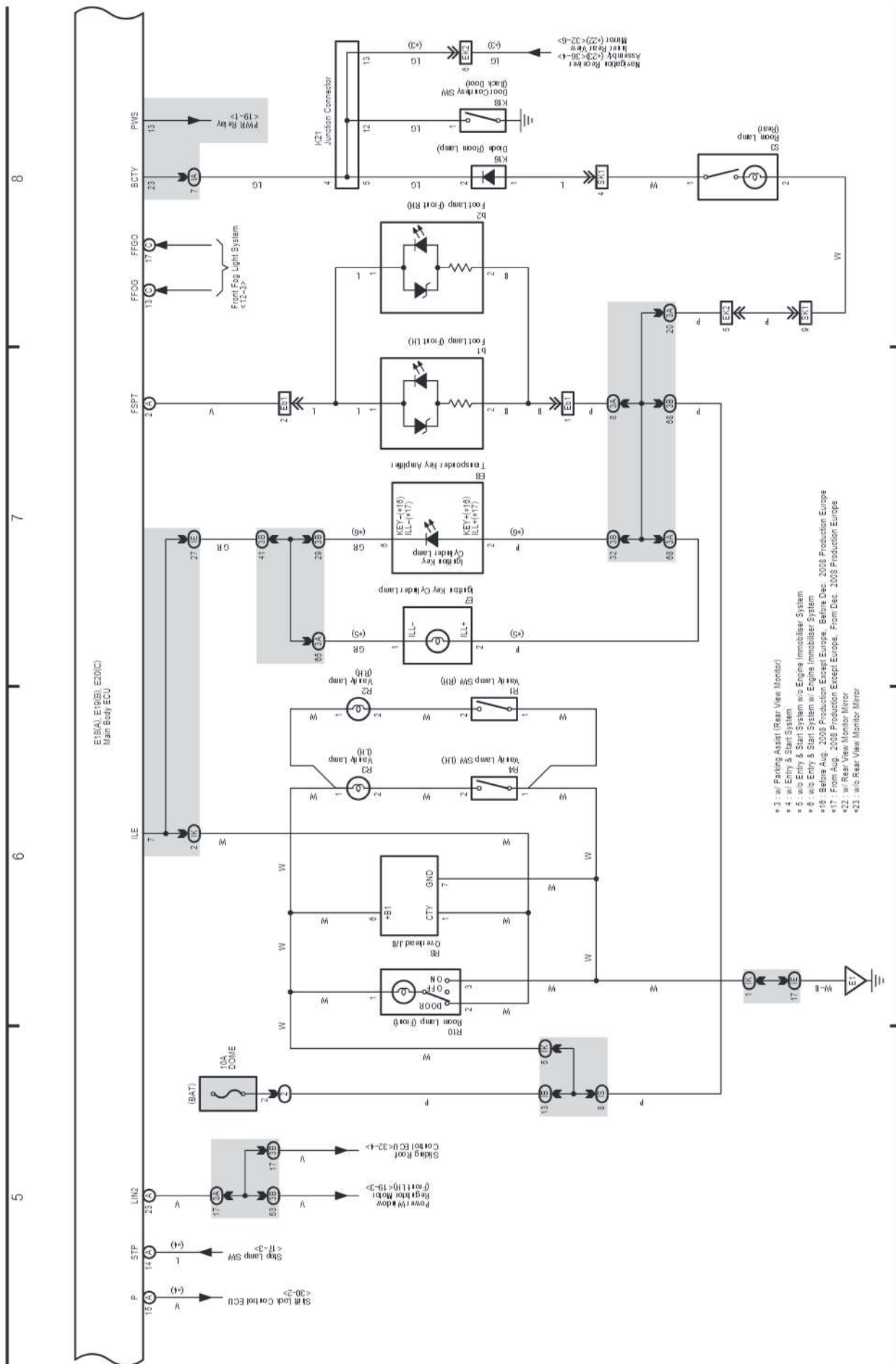
(Cont. next page)

2 TOYOTA RAV4

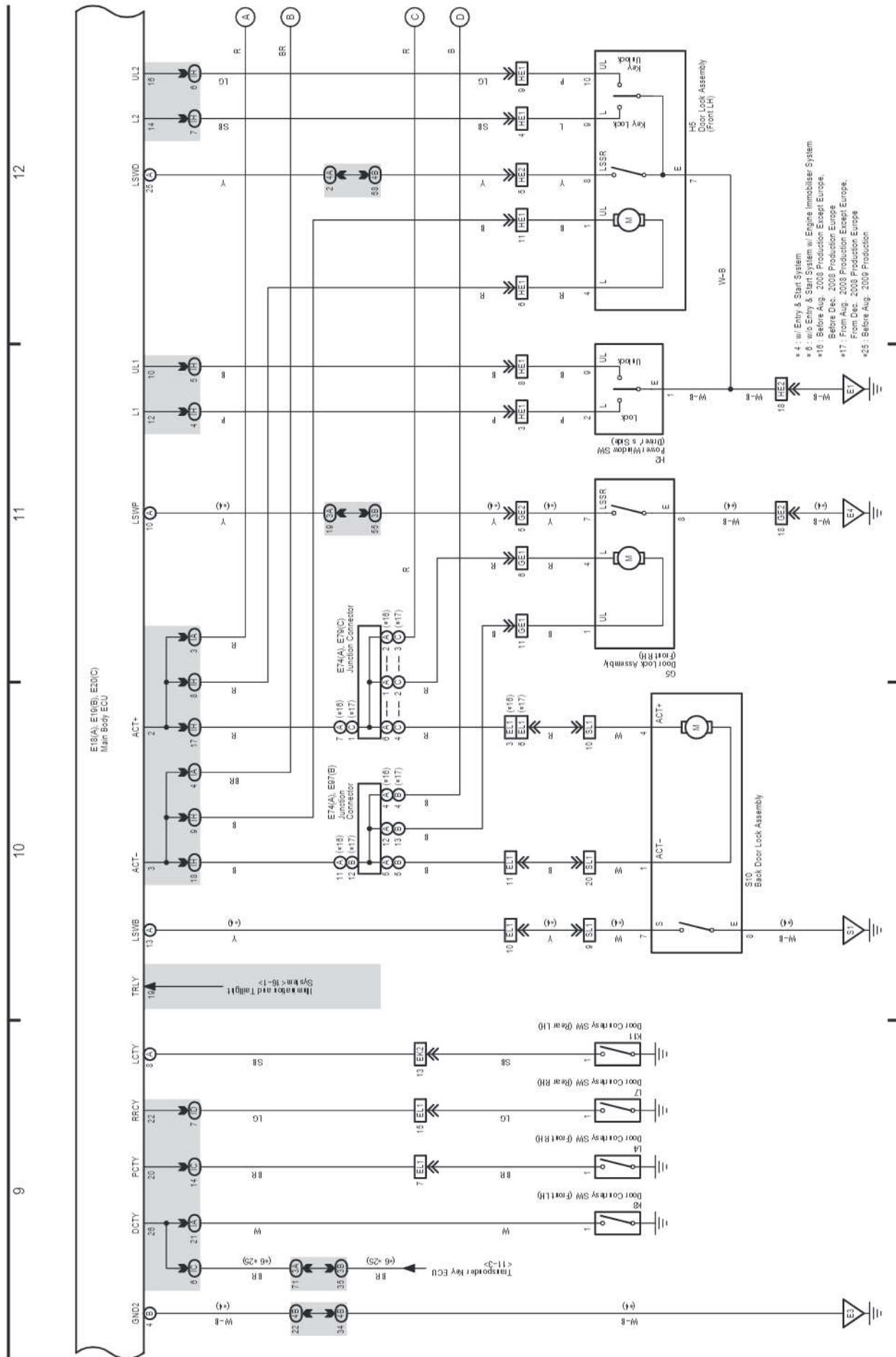


TOYOTA RAV4 (EM01NAE)

Multiplex Communication System (CAN LHD)



Multiplex Communication System (CAN LHD)



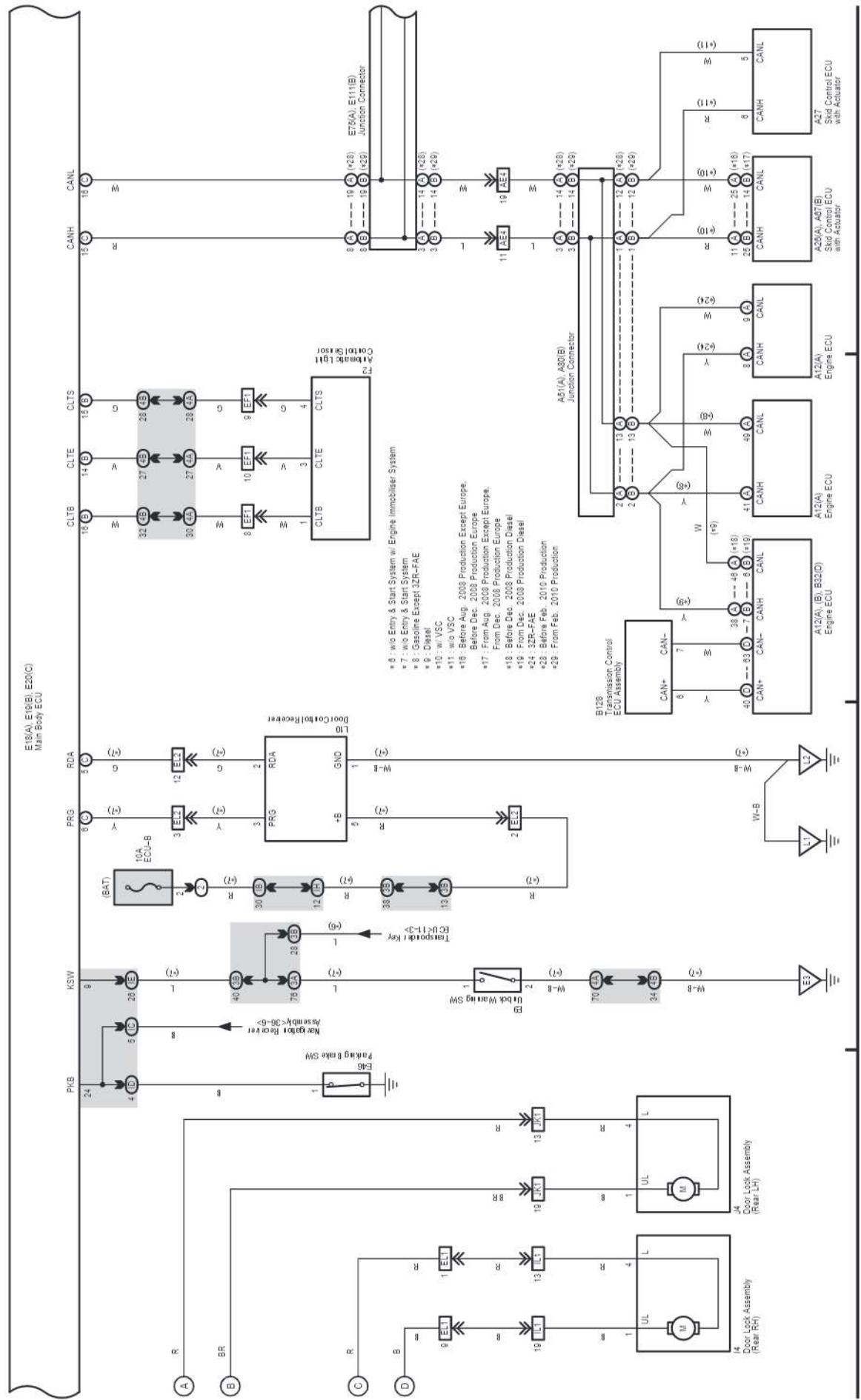
Multiplex Communication System (CAN LHD)

13

14

15

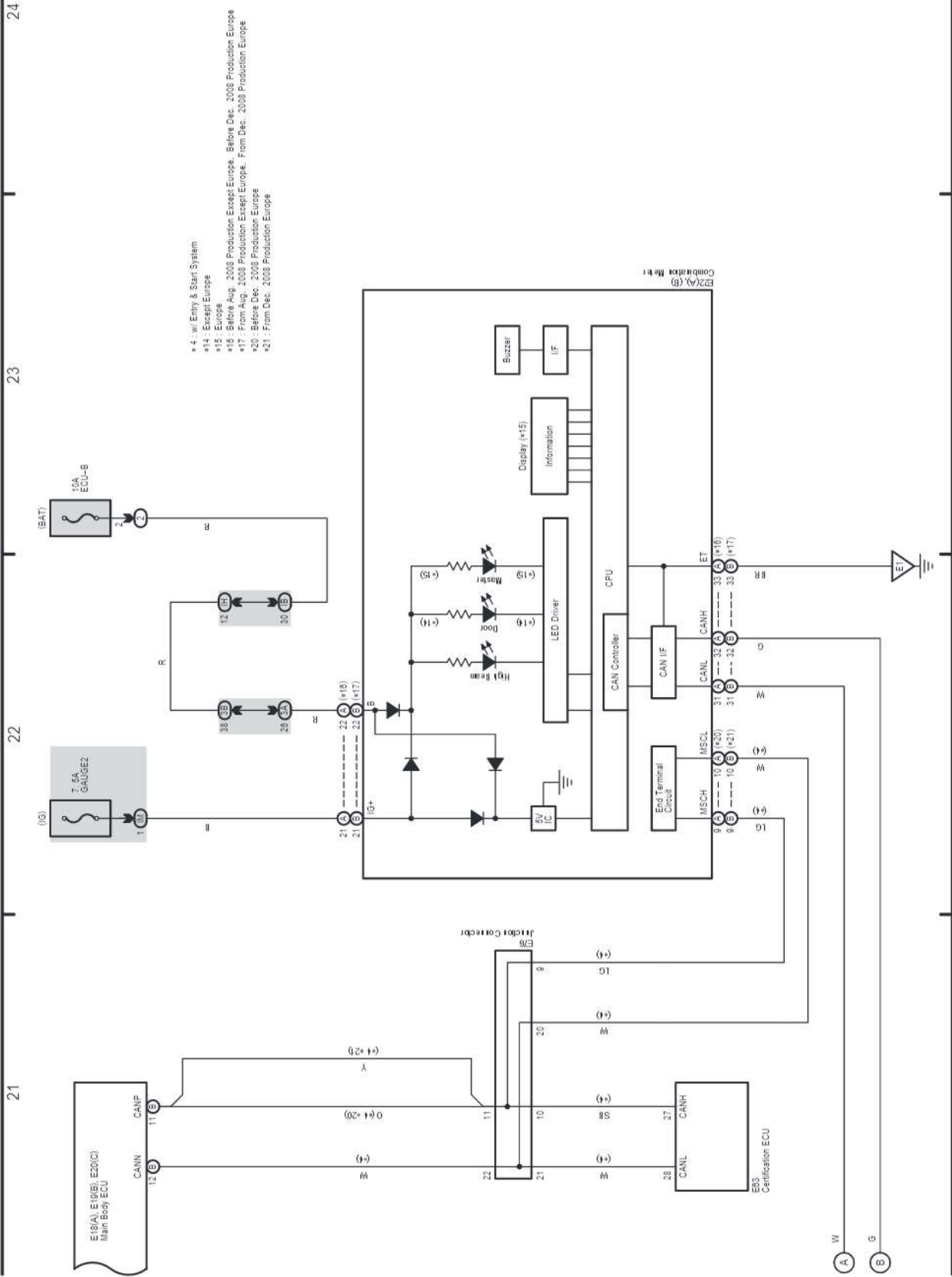
16



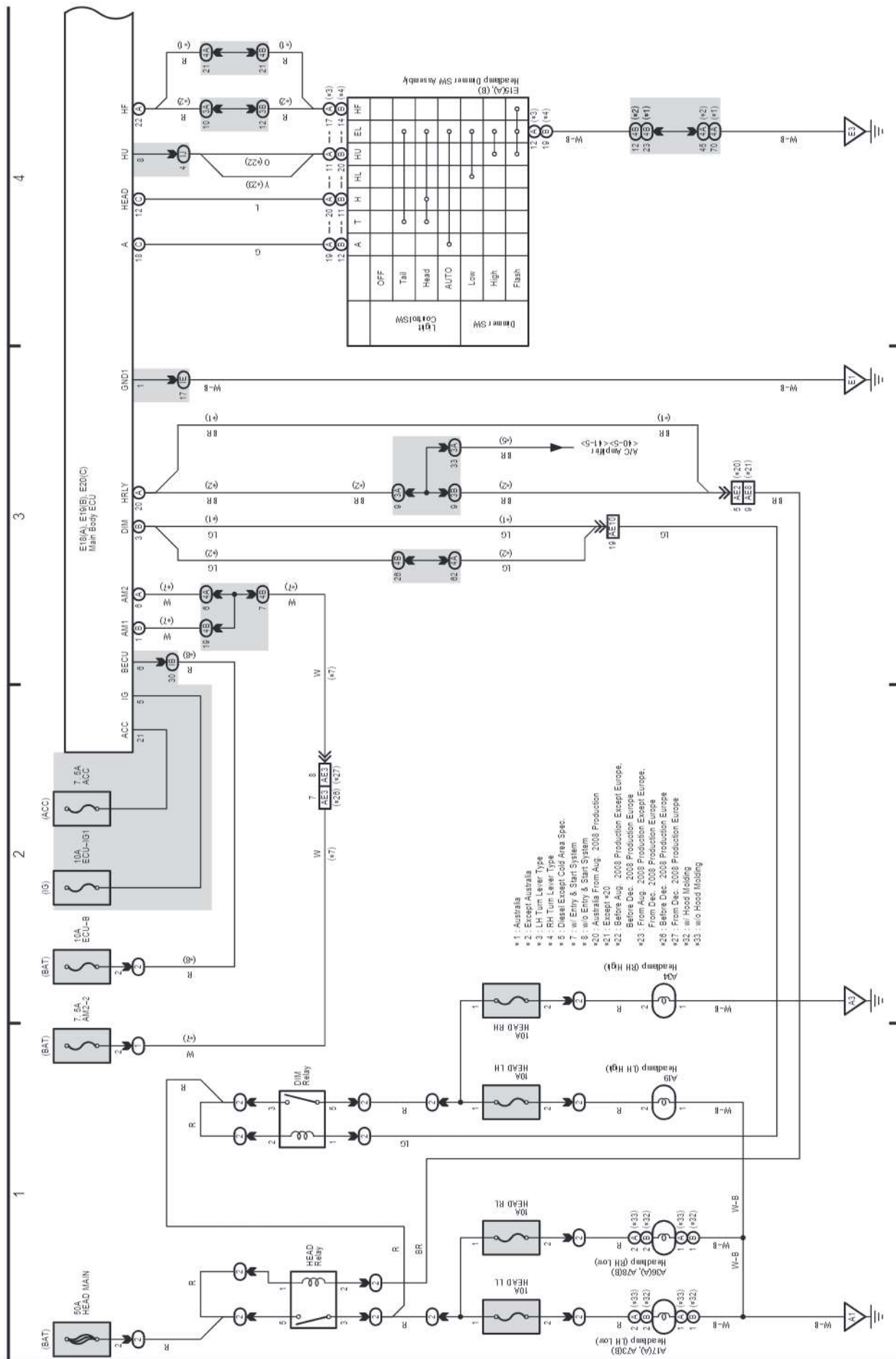
TOYOTA RAV4 (EM01NAE)

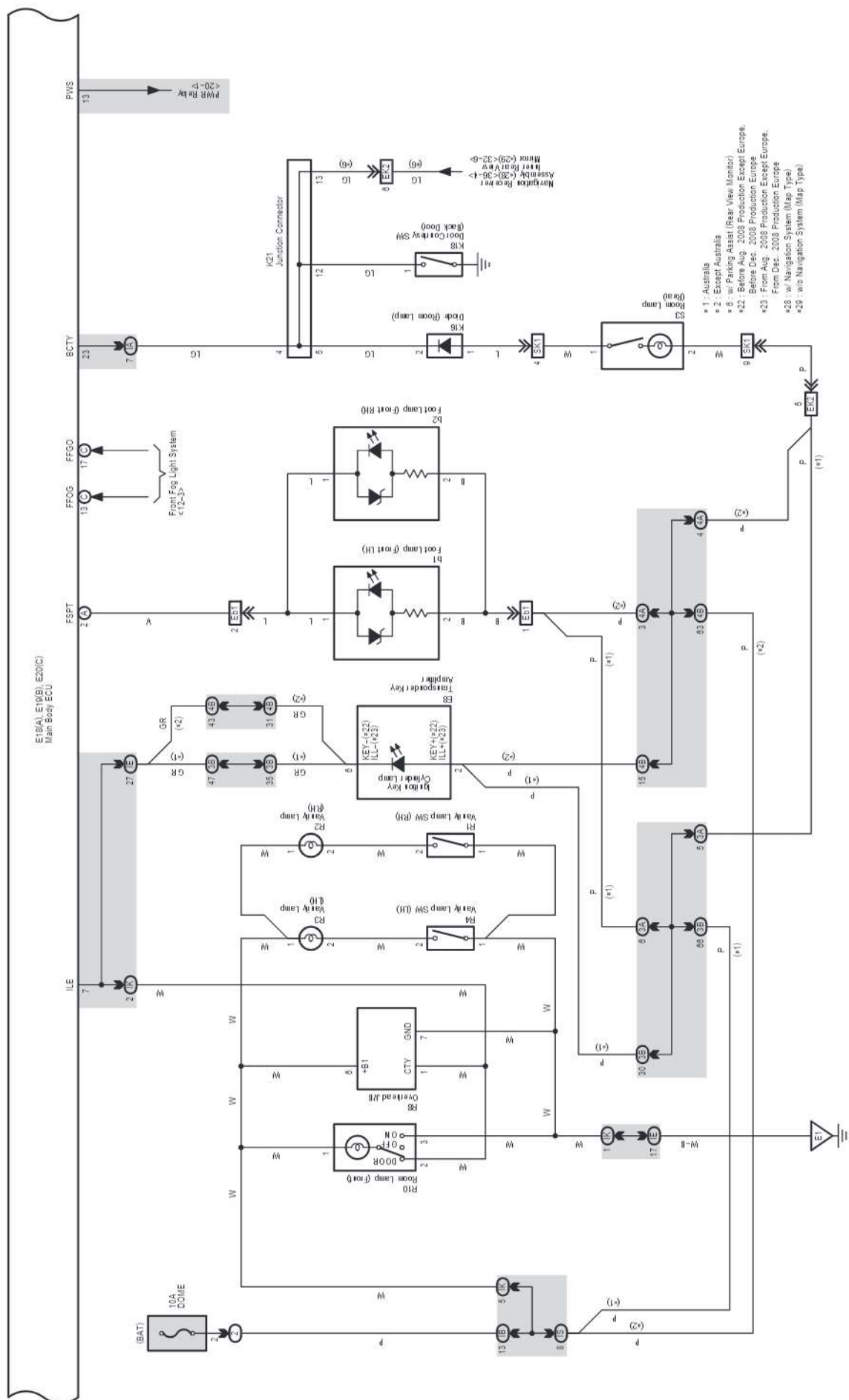


Multiplex Communication System (CAN LHD)



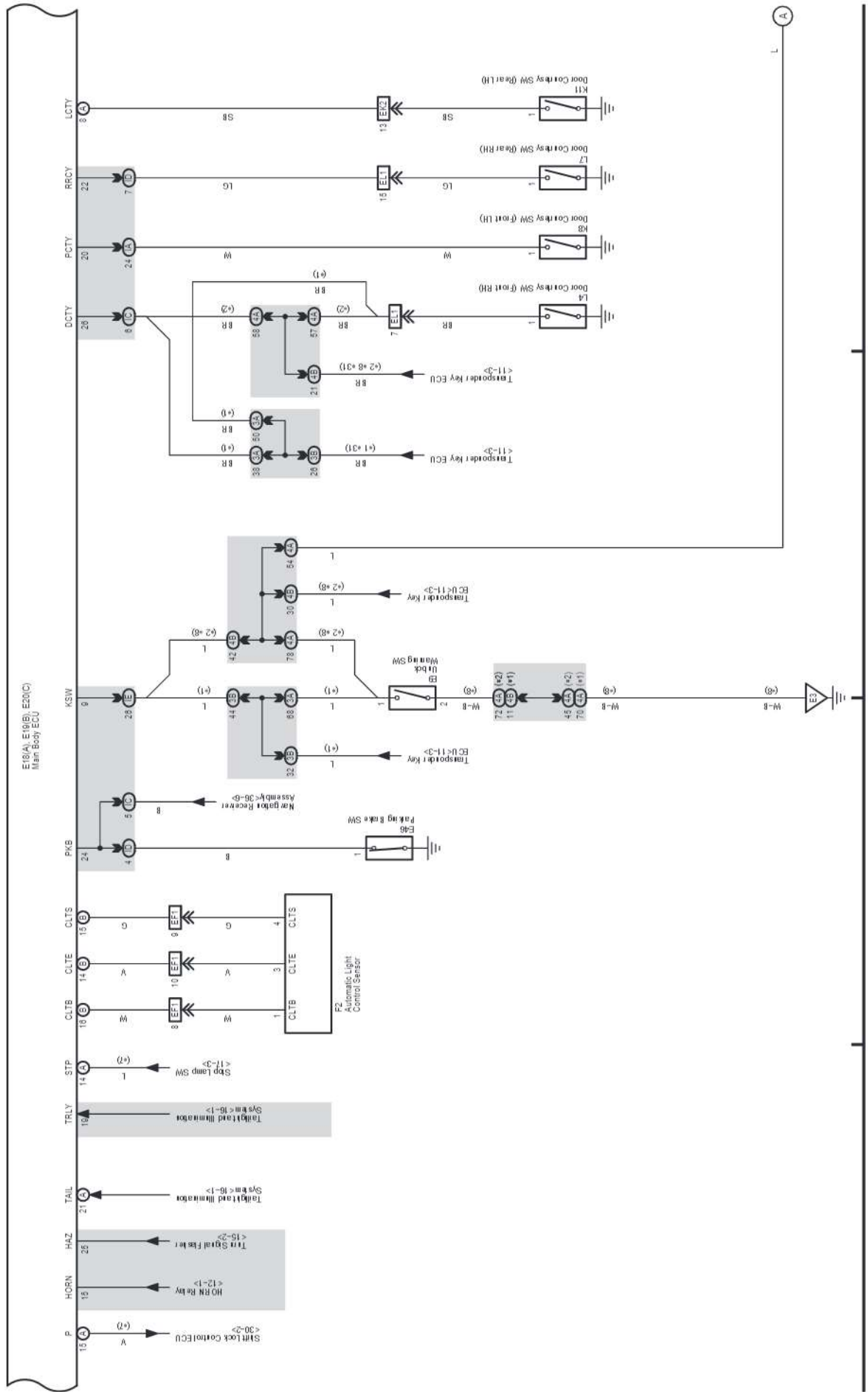
Multiplex Communication System (CAN RHD)



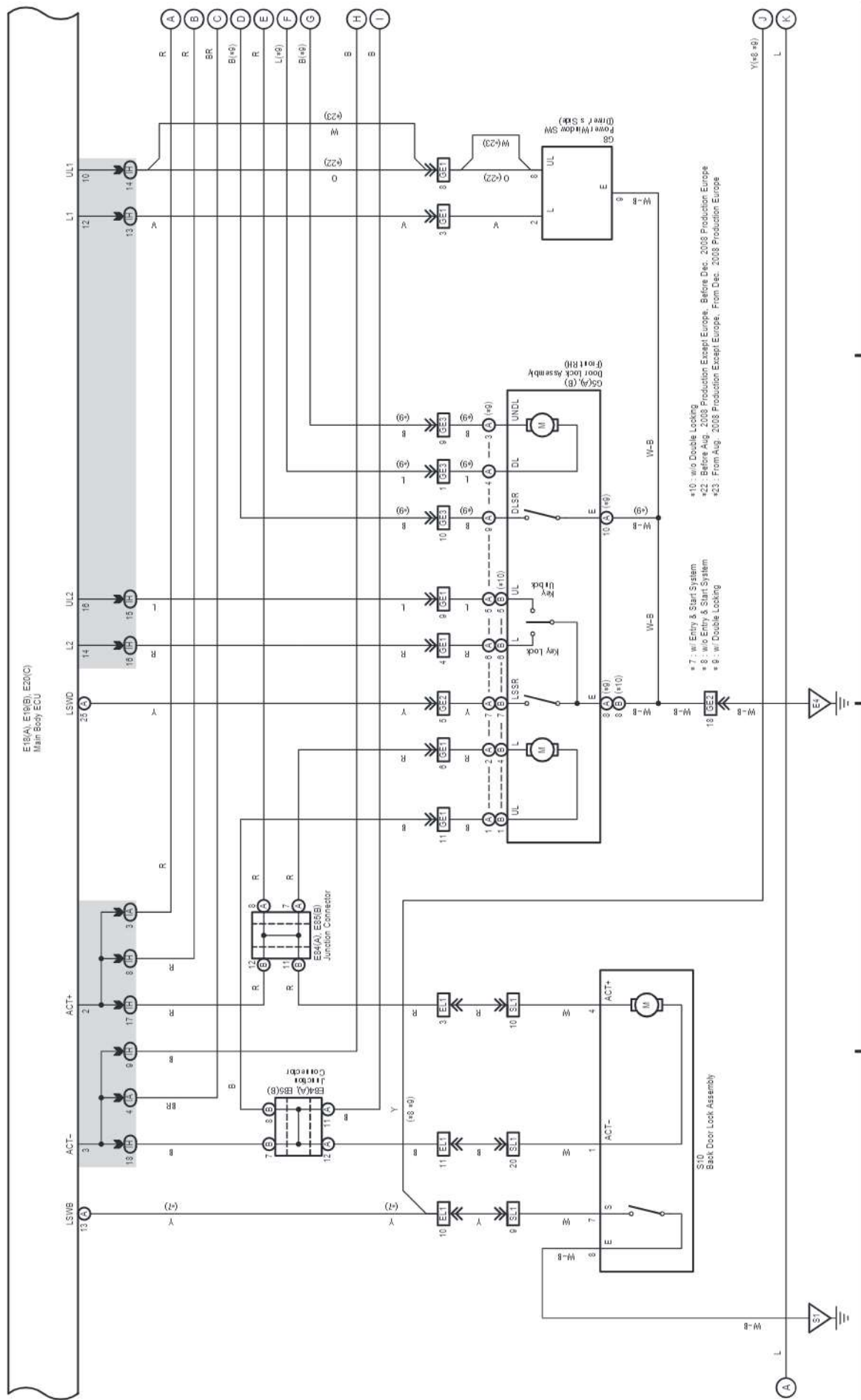


- * 1 : Australia
- * 2 : Except Australia
- * 7 : w/ Entry & Start System
- * 8 : w/o Entry & Start System
- * 31 : Before Aug. 2009 Production

Multiplex Communication System (CAN RHD)



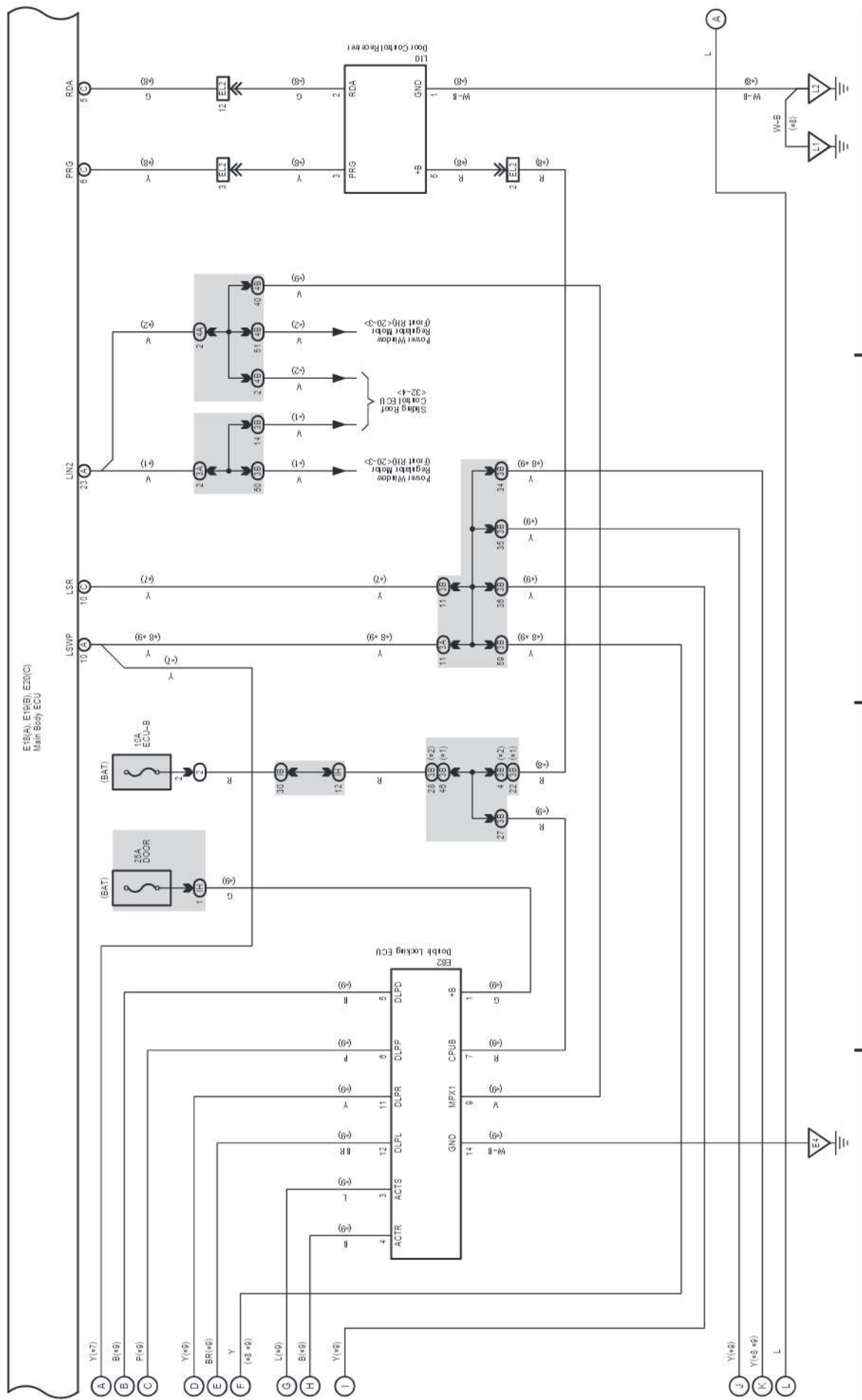
16



TOYOTA RAV4 (EM01NAE)

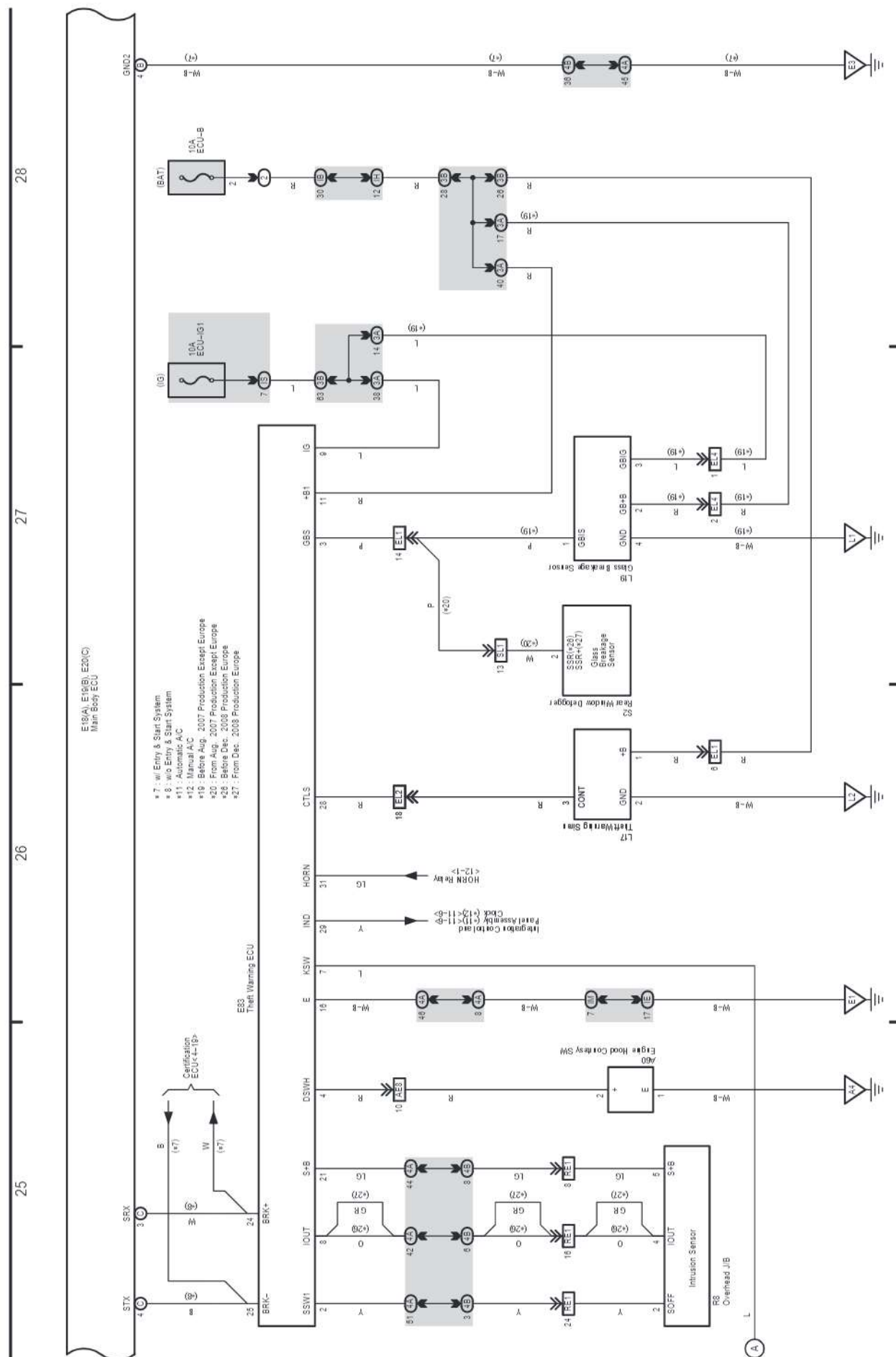


Multiplex Communication System (CAN RHD)



M OVERALL ELECTRICAL WIRING DIAGRAM

Multiplex Communication System (CAN RHD)



Multiplex Communication System (CAN RHD)

29

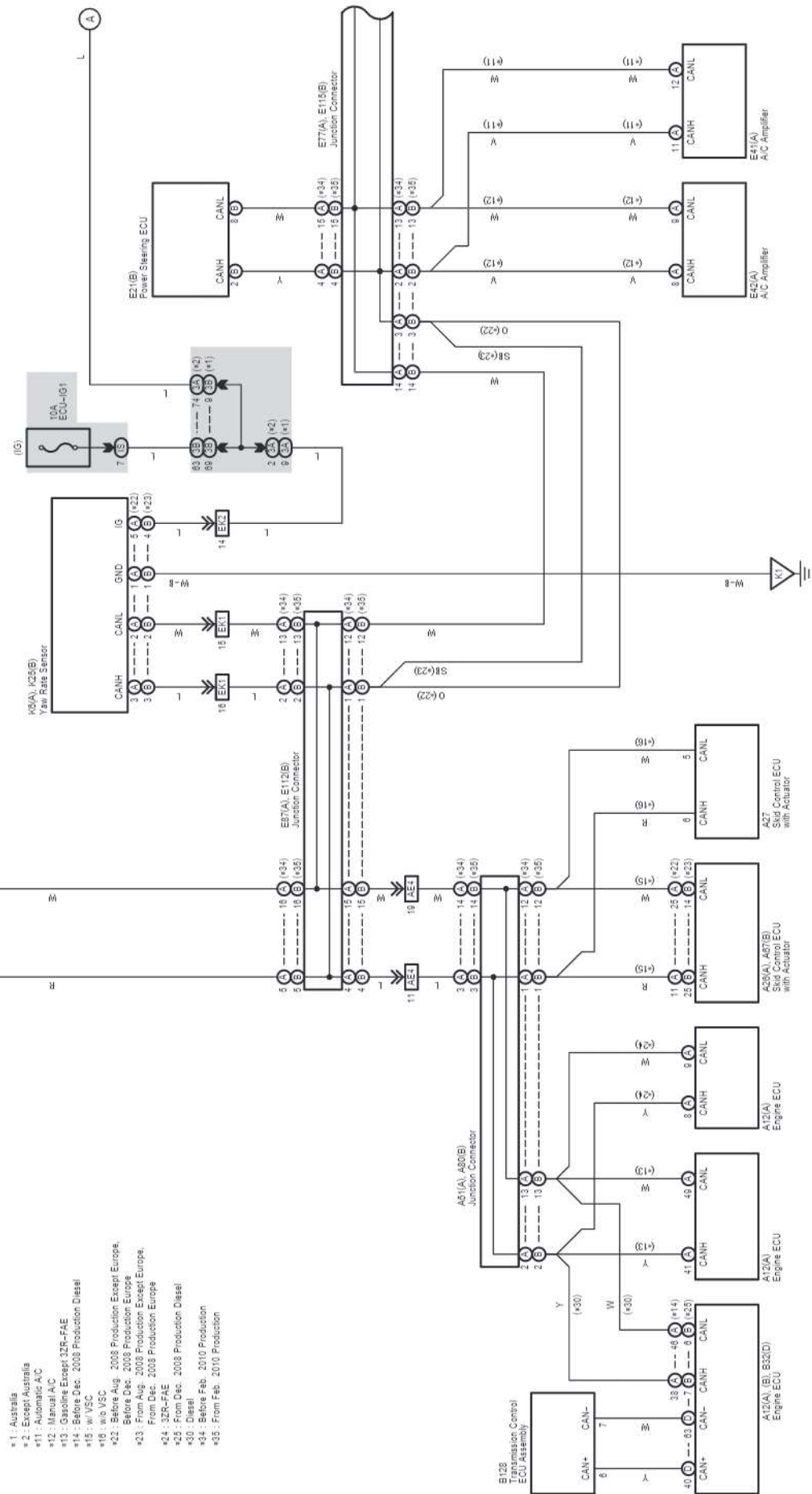
30

31

32

E16(A), E16(B), E20(C)
Main Body ECU

- *1 : Australia
 *2 : Except Australia
 *11 : Automatic A/C
 *12 : Manual A/C
 *13 : Gasoline Except 3ZR-FAE
 *14 : Before Dec. 2003 Production Diesel
 *15 : w/ VSC
 *16 : w/o VSC
 *22 : Before Aug. 2008 Production Except Europe,
 Before Dec. 2008 Production Europe
 *23 : From Aug. 2008 Production Except Europe,
 From Dec. 2008 Production Europe
 *24 : 3ZR-FAE
 *25 : From Dec. 2008 Production Diesel
 *30 : Diesel
 *34 : Before Feb. 2010 Production
 *35 : From Feb. 2010 Production



Multiplex Communication System (CAN RHD)

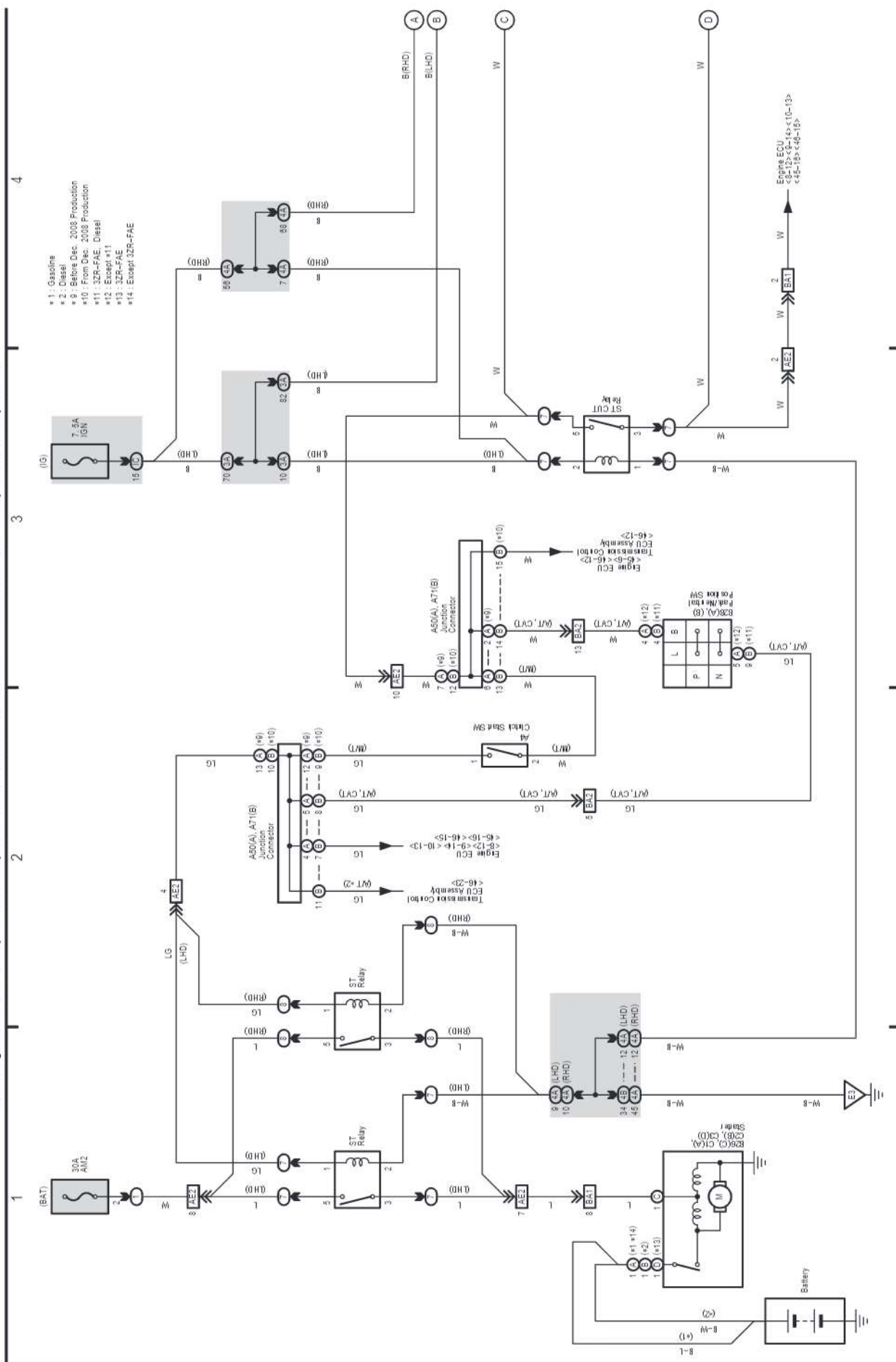


M OVERALL ELECTRICAL WIRING DIAGRAM

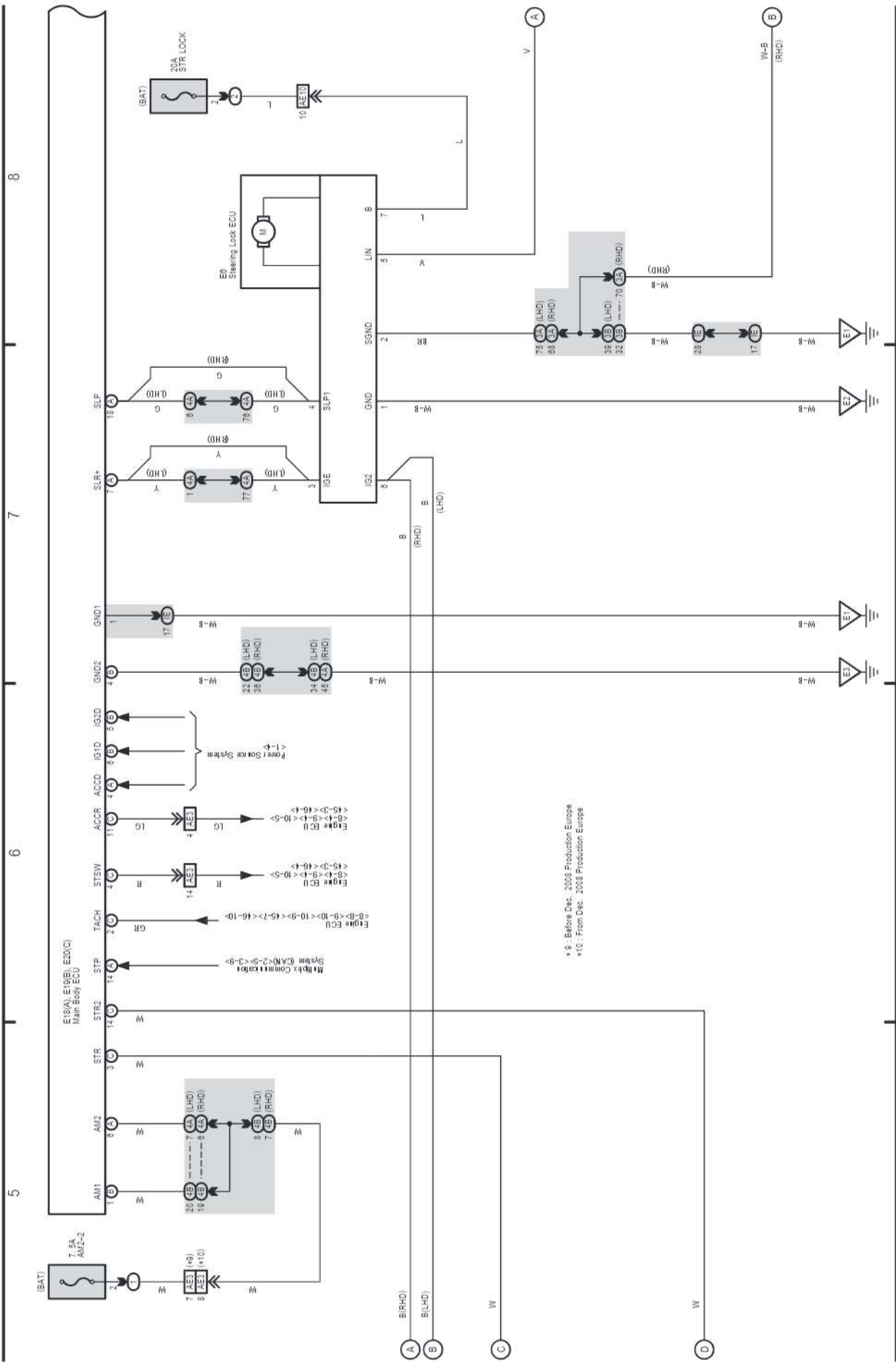
(Cont. next page)

4 TOYOTA RAV4

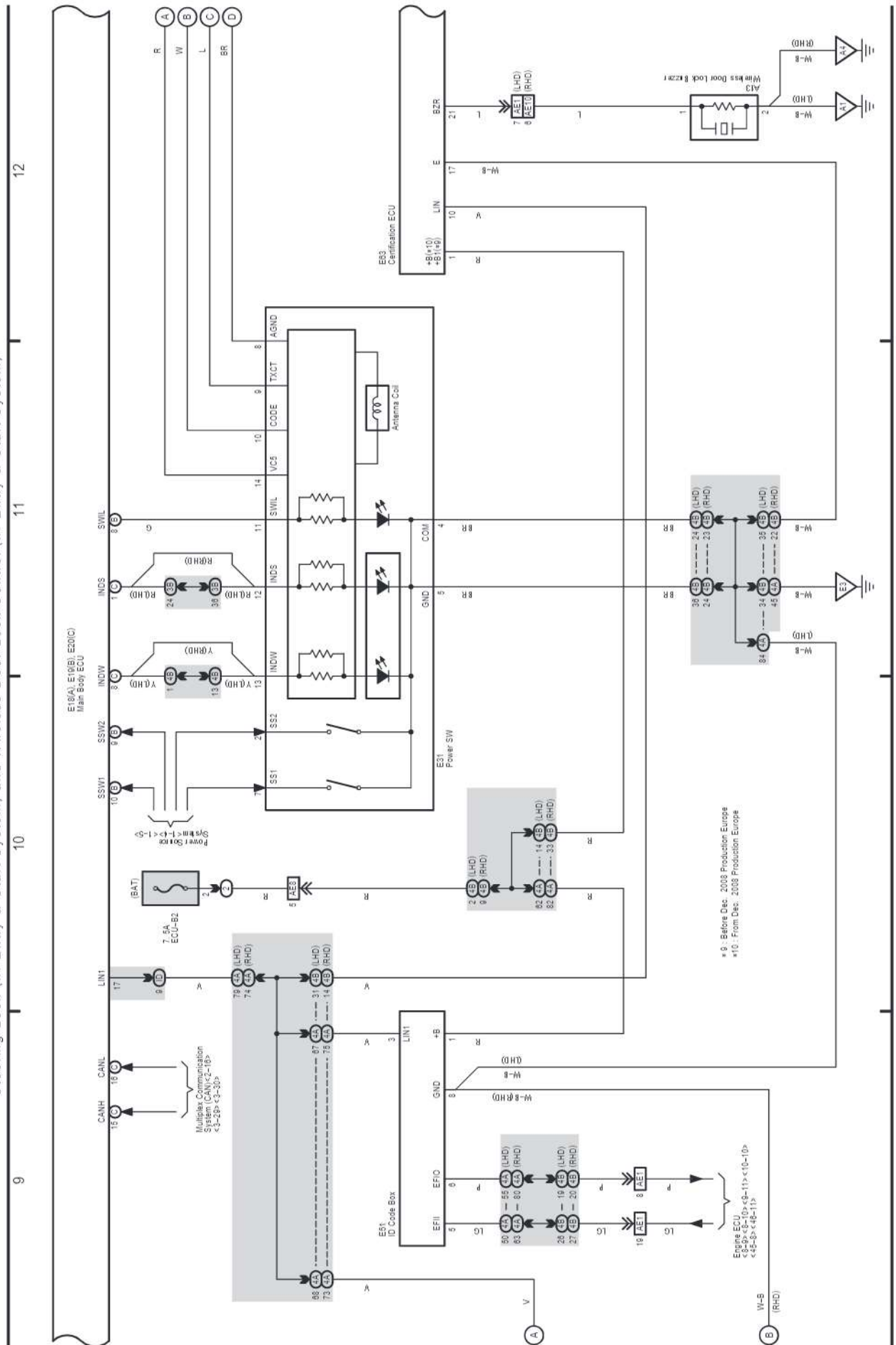
Engine Immobiliser System (w/ Entry & Start System), Entry & Start System, Starting (w/ Entry & Start System)
Steering Lock (w/ Entry & Start System) and Wireless Door Lock Control (w/ Entry & Start System)



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)



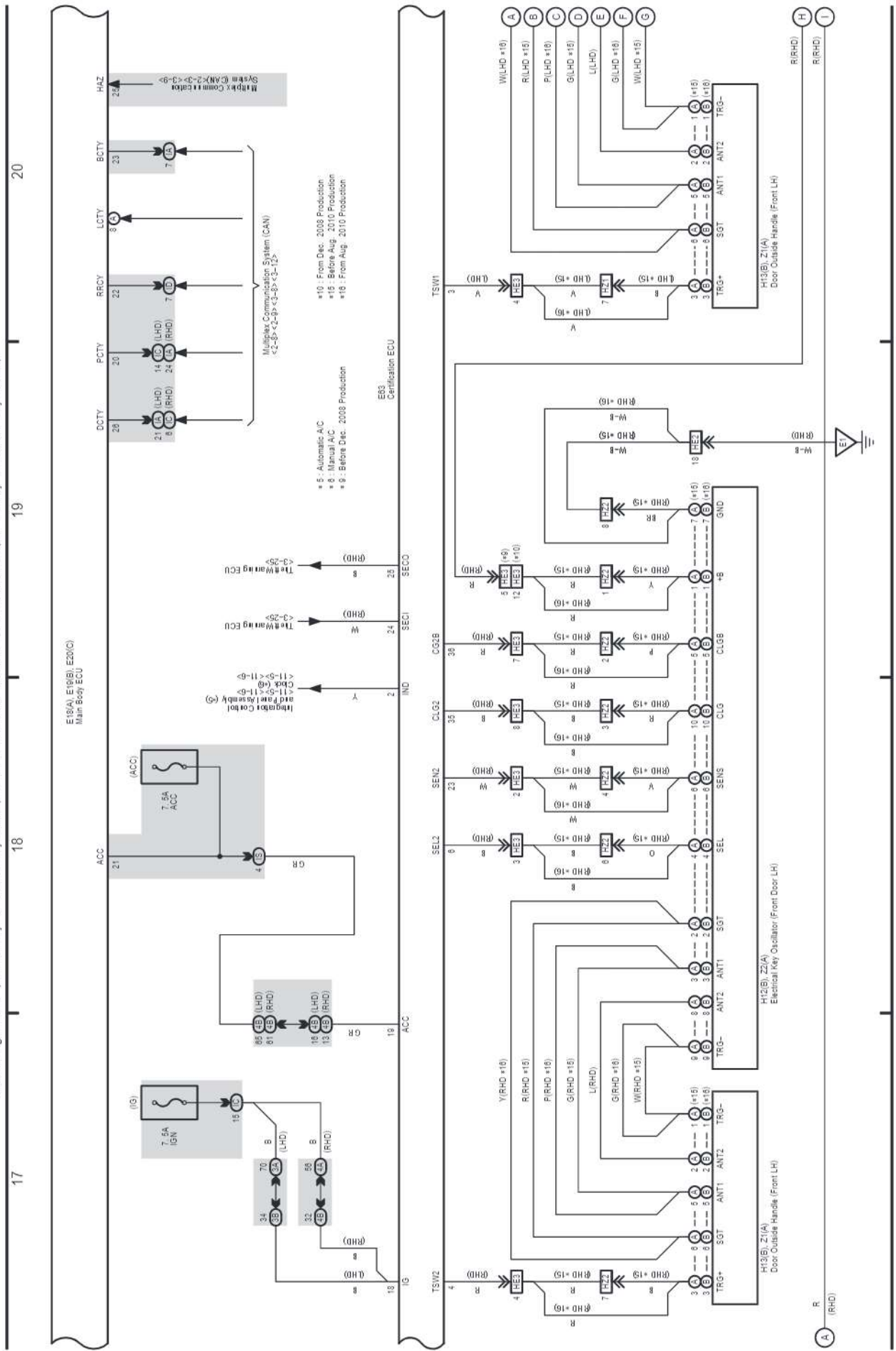
Engine Immobiliser System (w/ Entry & Start System), Entry & Start System, Starting (w/ Entry & Start System)
Steering Lock (w/ Entry & Start System) and Wireless Door Lock Control (w/ Entry & Start System)



16



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)



24



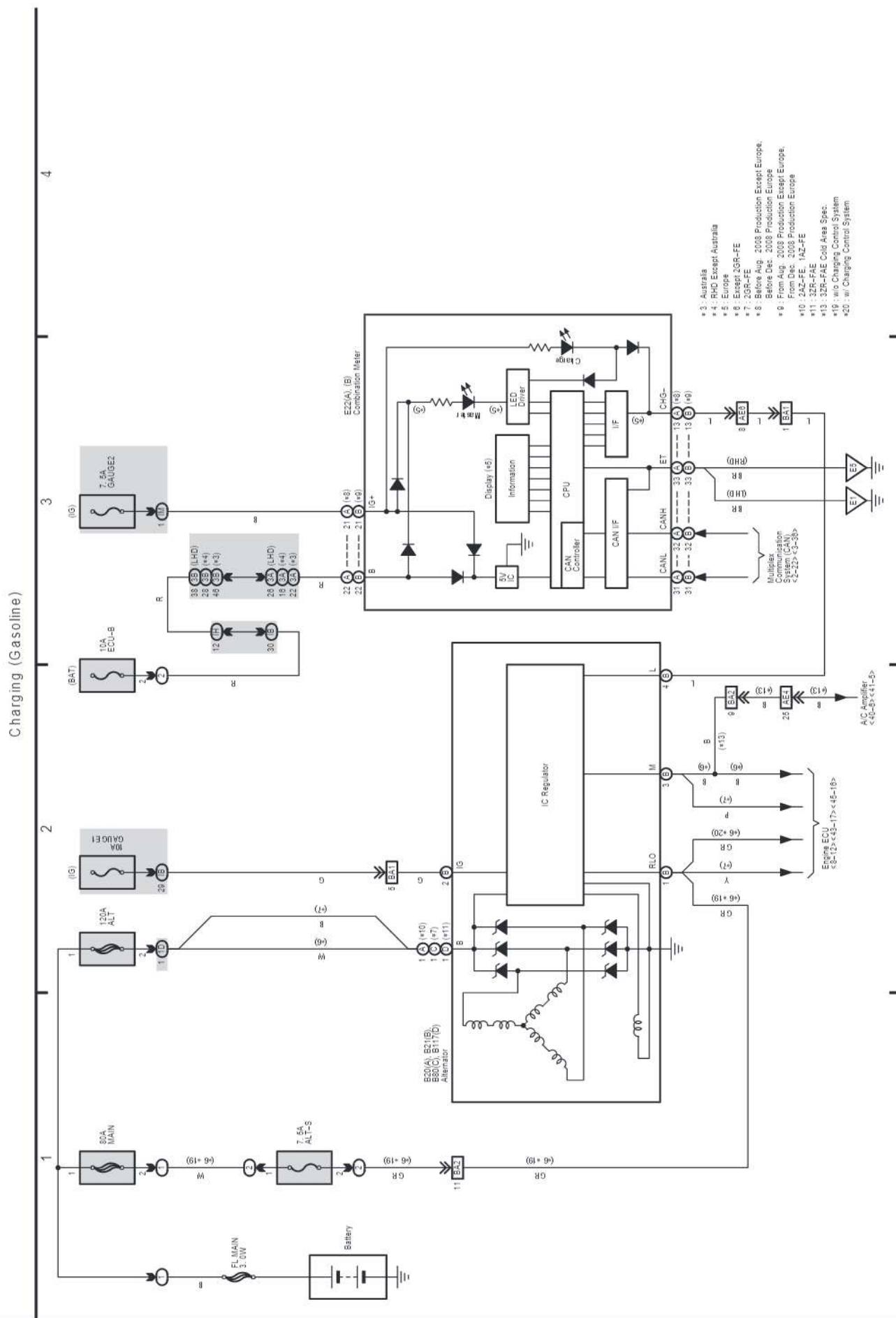
Engine Immobiliser System (w/ Entry & Start System), Entry & Start System, Starting (w/ Entry & Start System)
Steering Lock (w/ Entry & Start System) and Wireless Door Lock Control (w/ Entry & Start System)



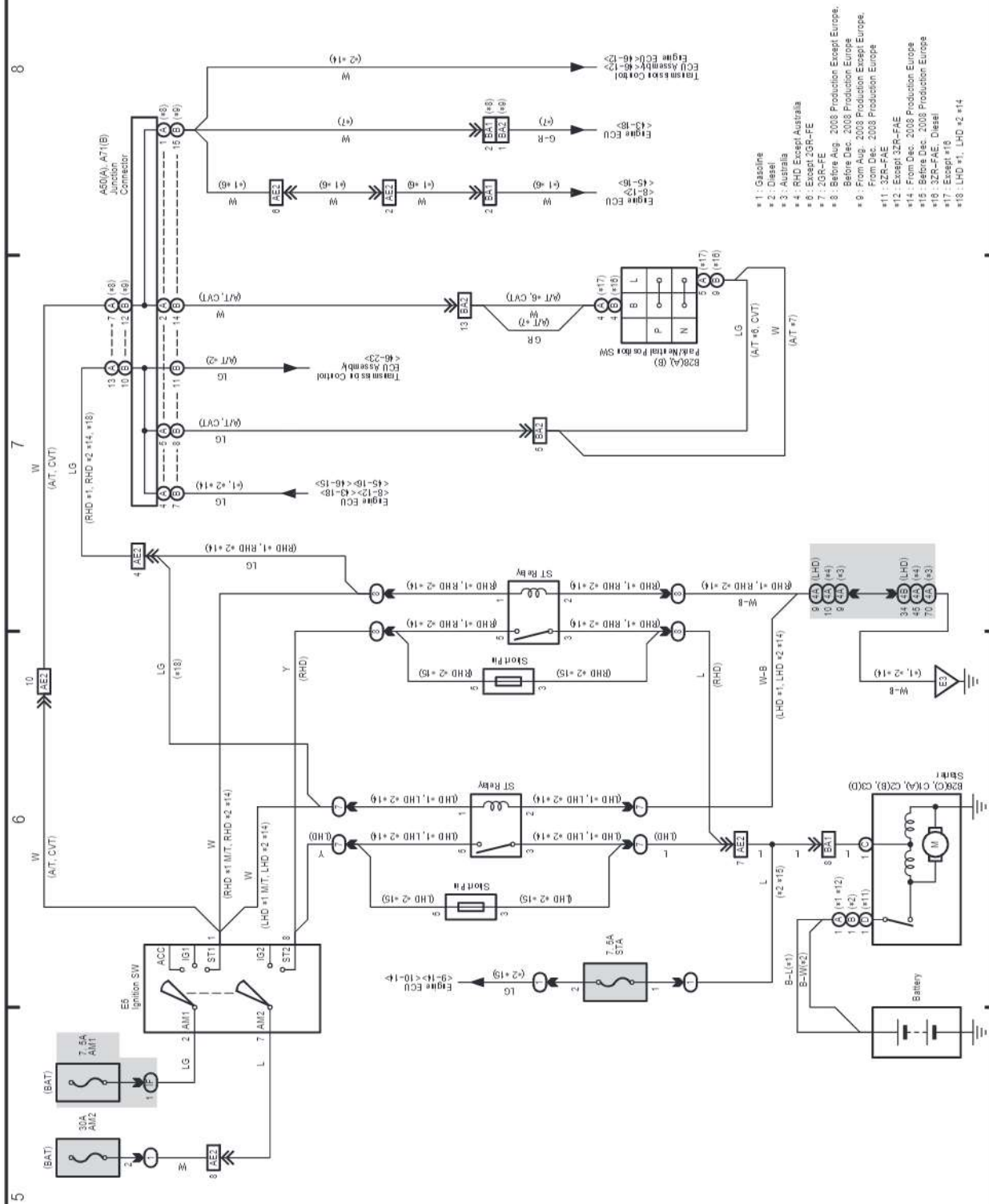
M OVERALL ELECTRICAL WIRING DIAGRAM

5 TOYOTA RAV4

(Cont. next page)



Starting (w/o Entry & Start System)

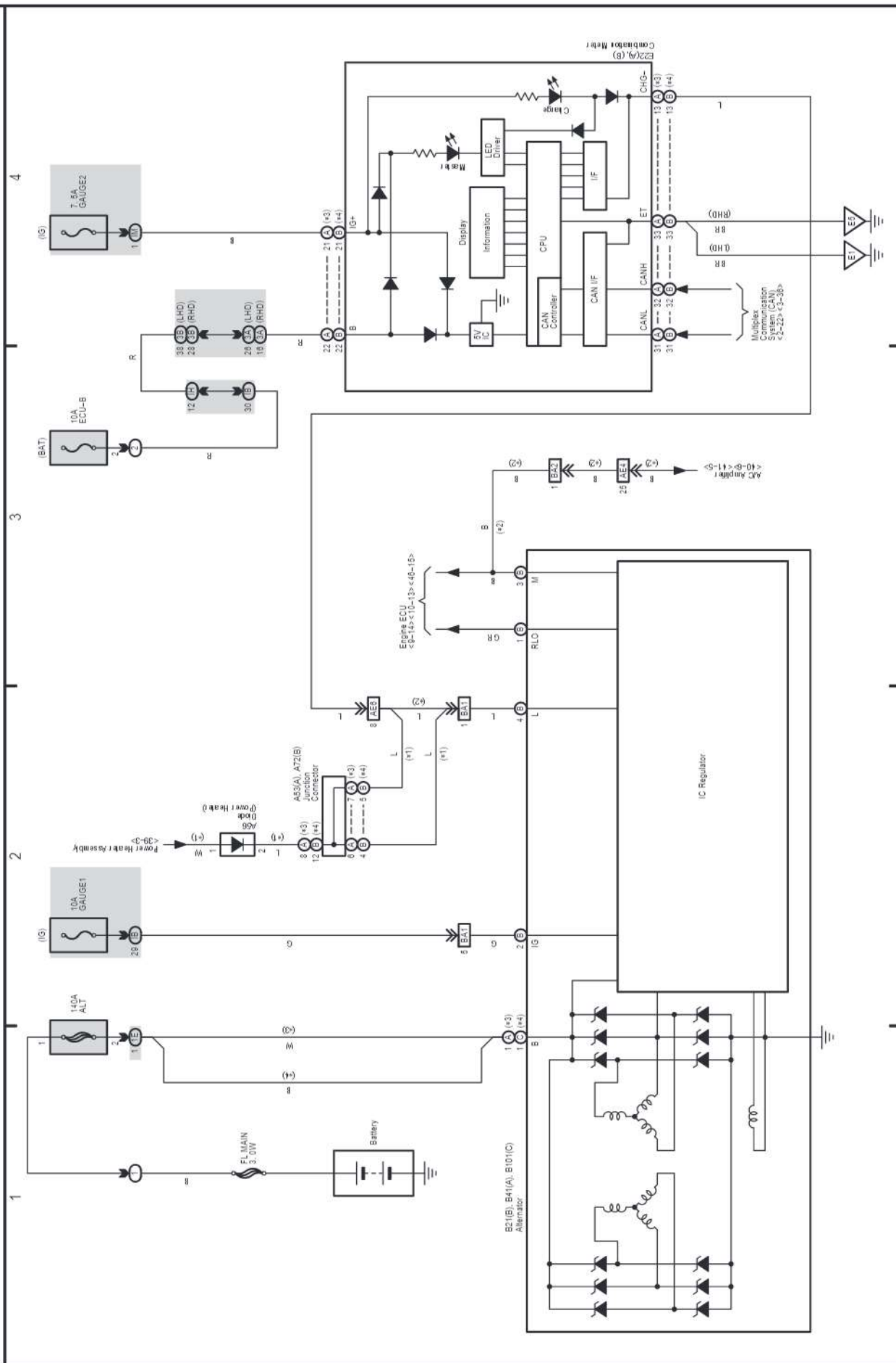


M OVERALL ELECTRICAL WIRING DIAGRAM

6 TOYOTA RAV4

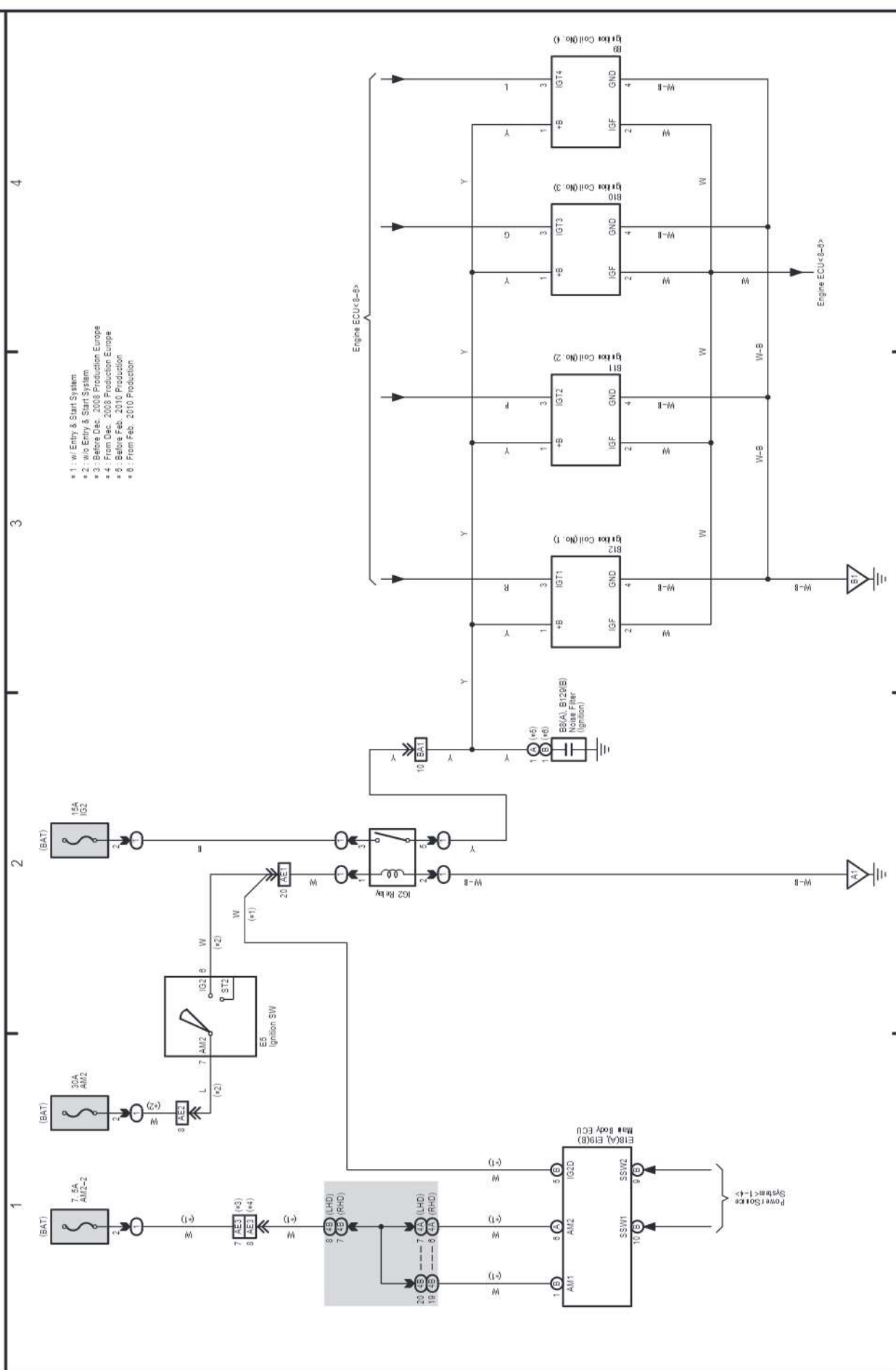
Charging (Diesel)

- * 1 : Cold Area Spec.
- * 2 : Except Cold Area Spec.
- * 3 : Before Dec. 2008 Production
- * 4 : From Dec. 2008 Production

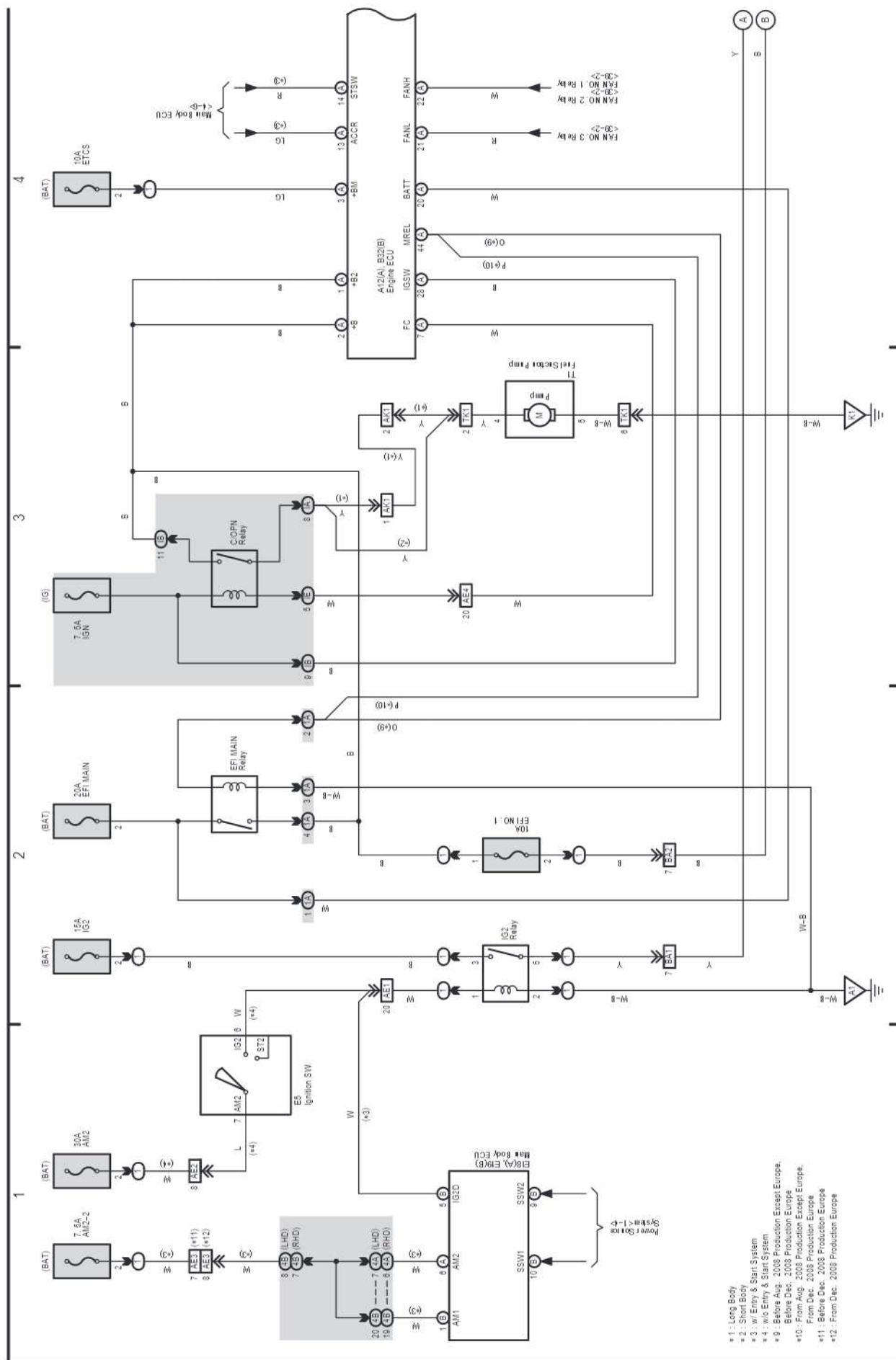


7 TOYOTA RAV4

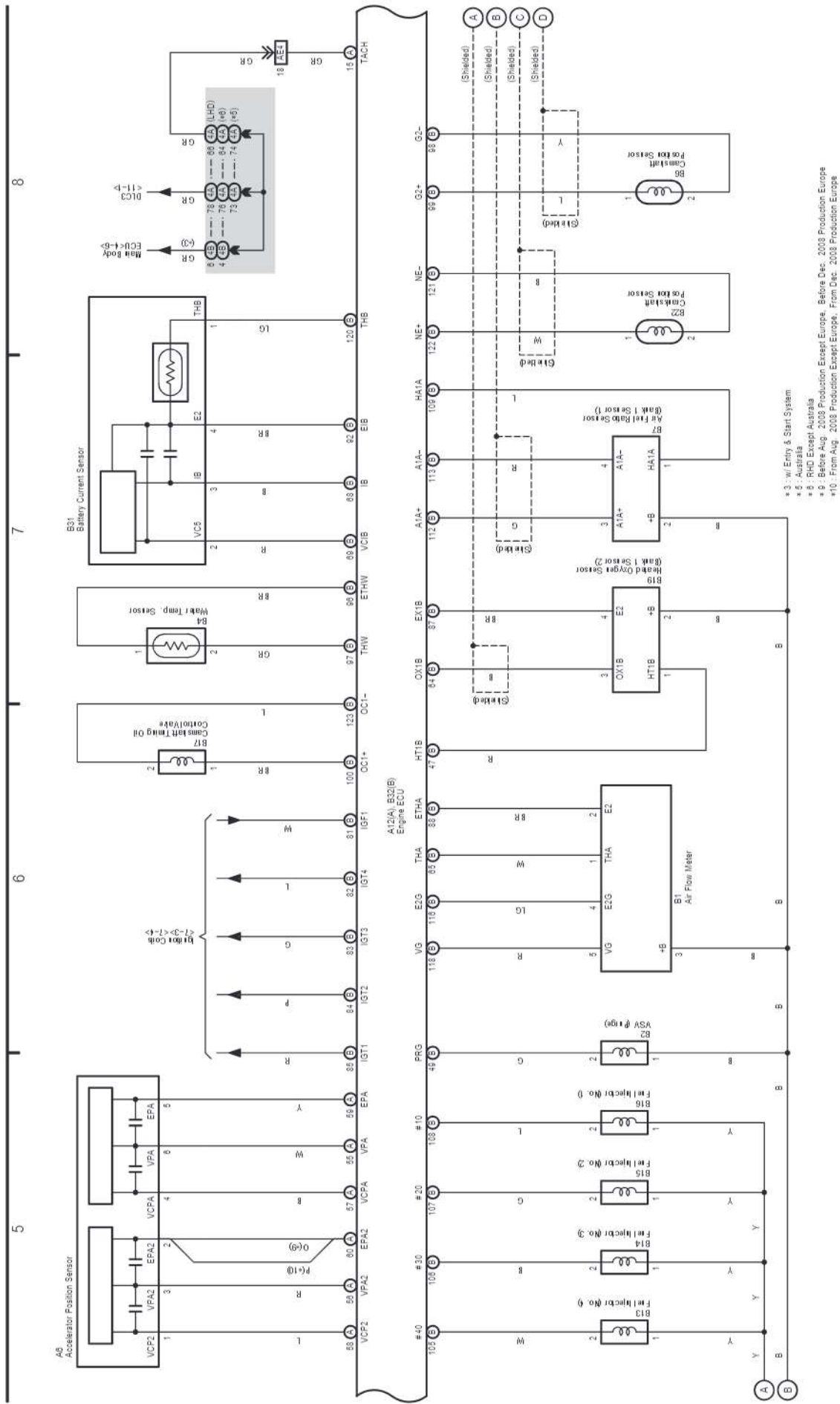
Ignition (2AZ-FE, 1AZ-FE)



Engine Control (2AZ-FE, 1AZ-FE)



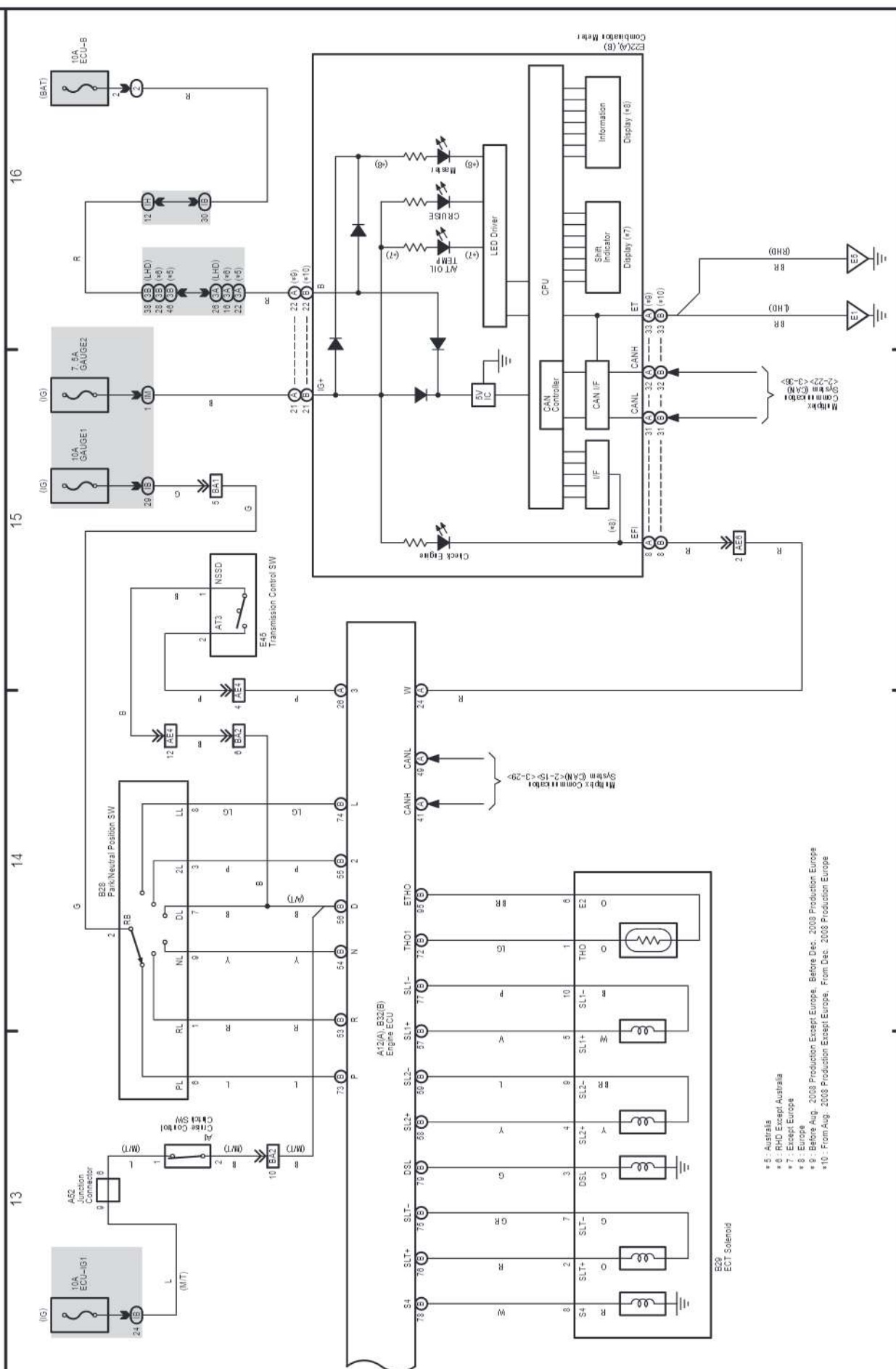
Engine Control (2AZ-FE, 1AZ-FE)



TOYOTA RAV4 (EM01NAE)



ECT and A/T Indicator (2AZ-FE, 1AZ-FE)

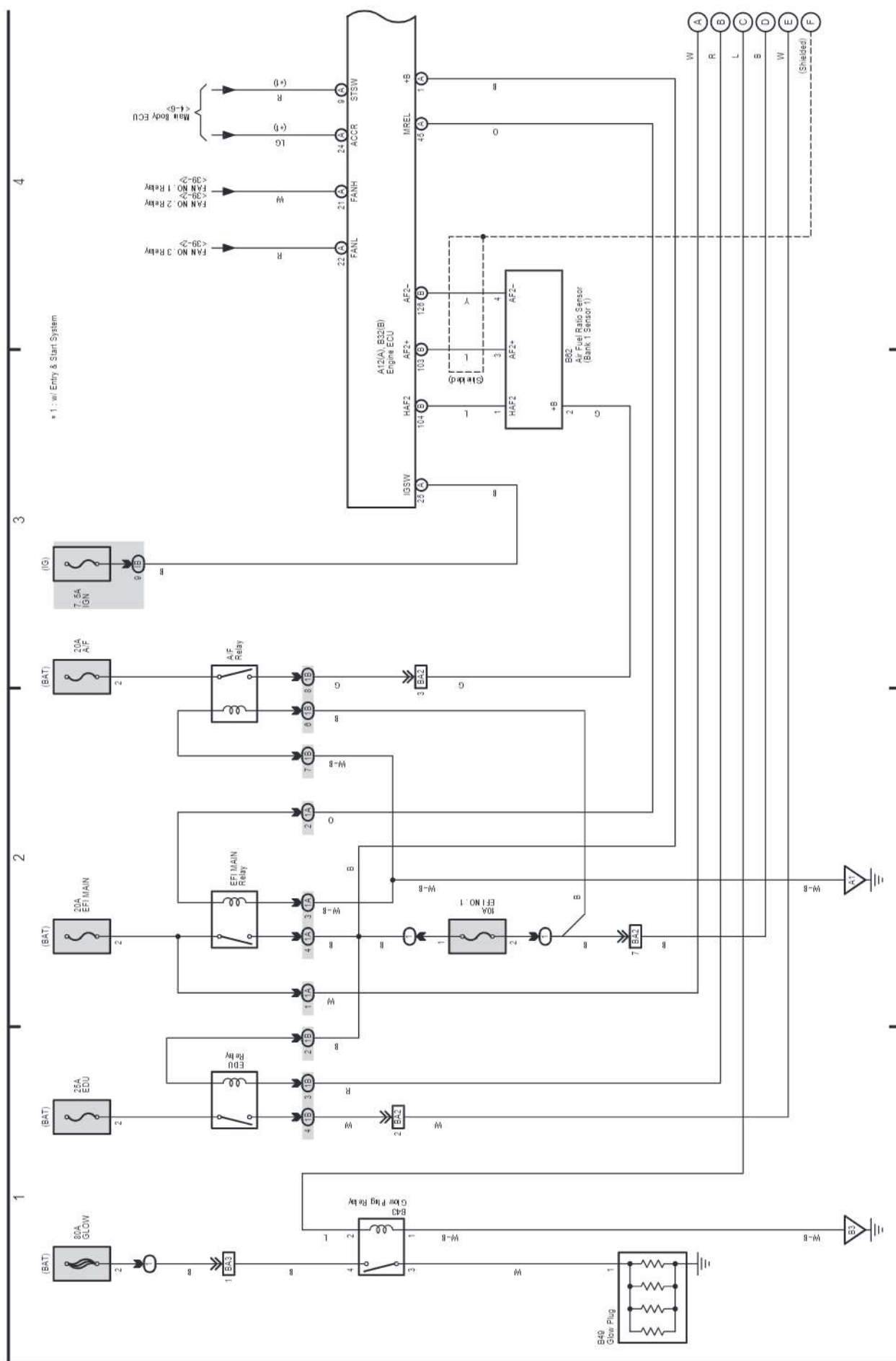


M OVERALL ELECTRICAL WIRING DIAGRAM

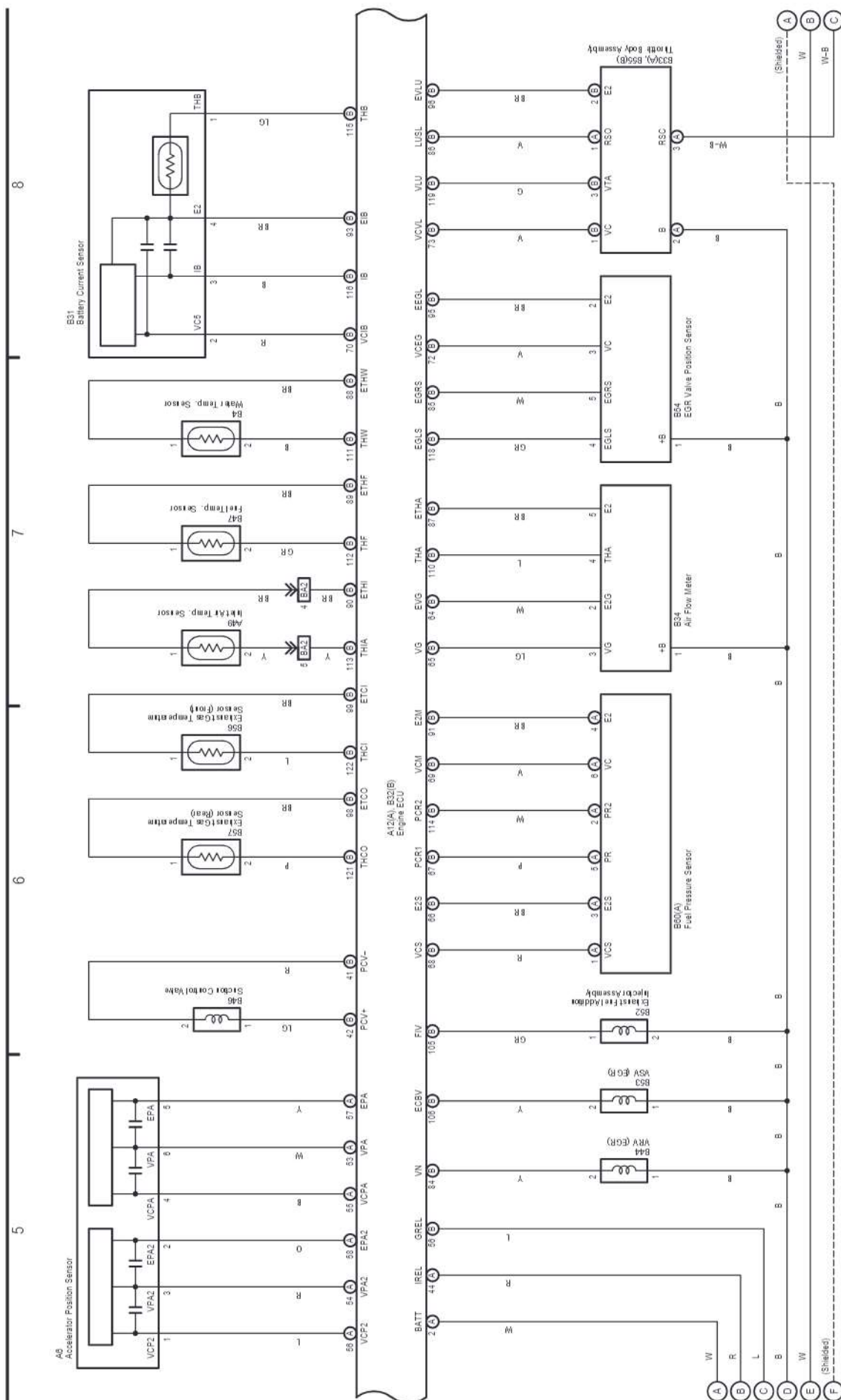
(Cont. next page)

9 TOYOTA RAV4

Engine Control (2AD-FHV) (Before Dec. 2008 Production)



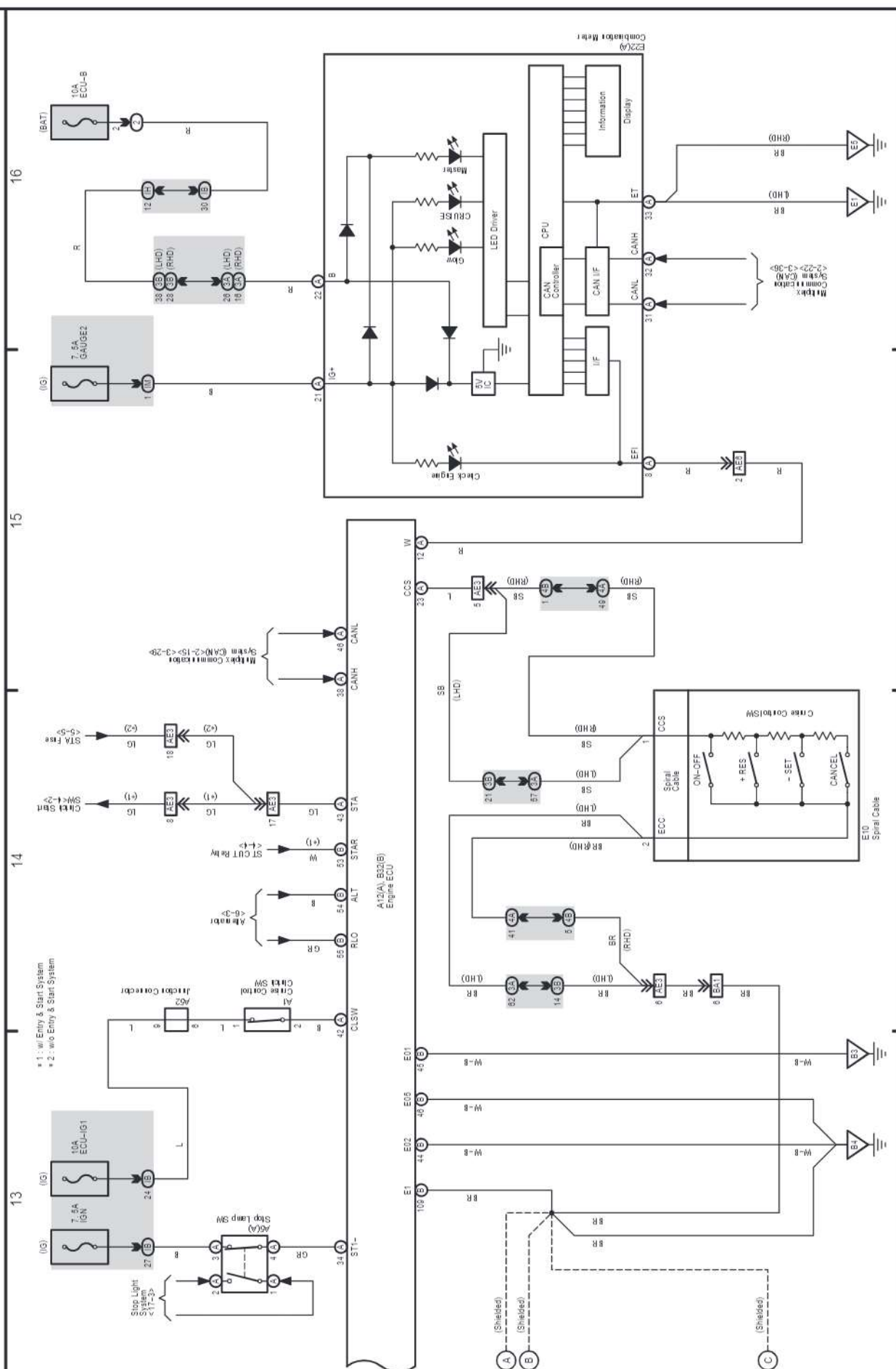
TOYOTA RAV4 (EM01NAE)



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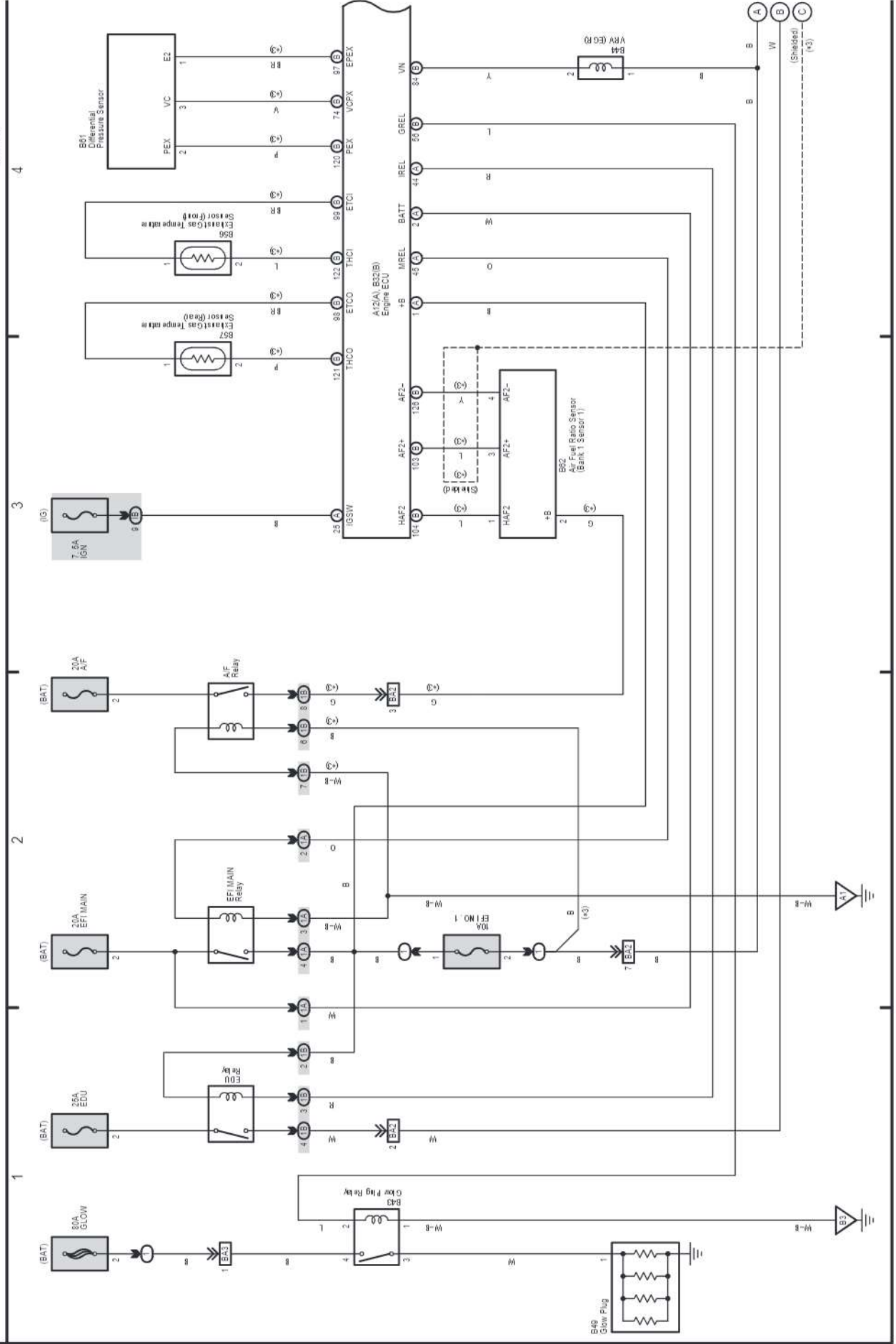


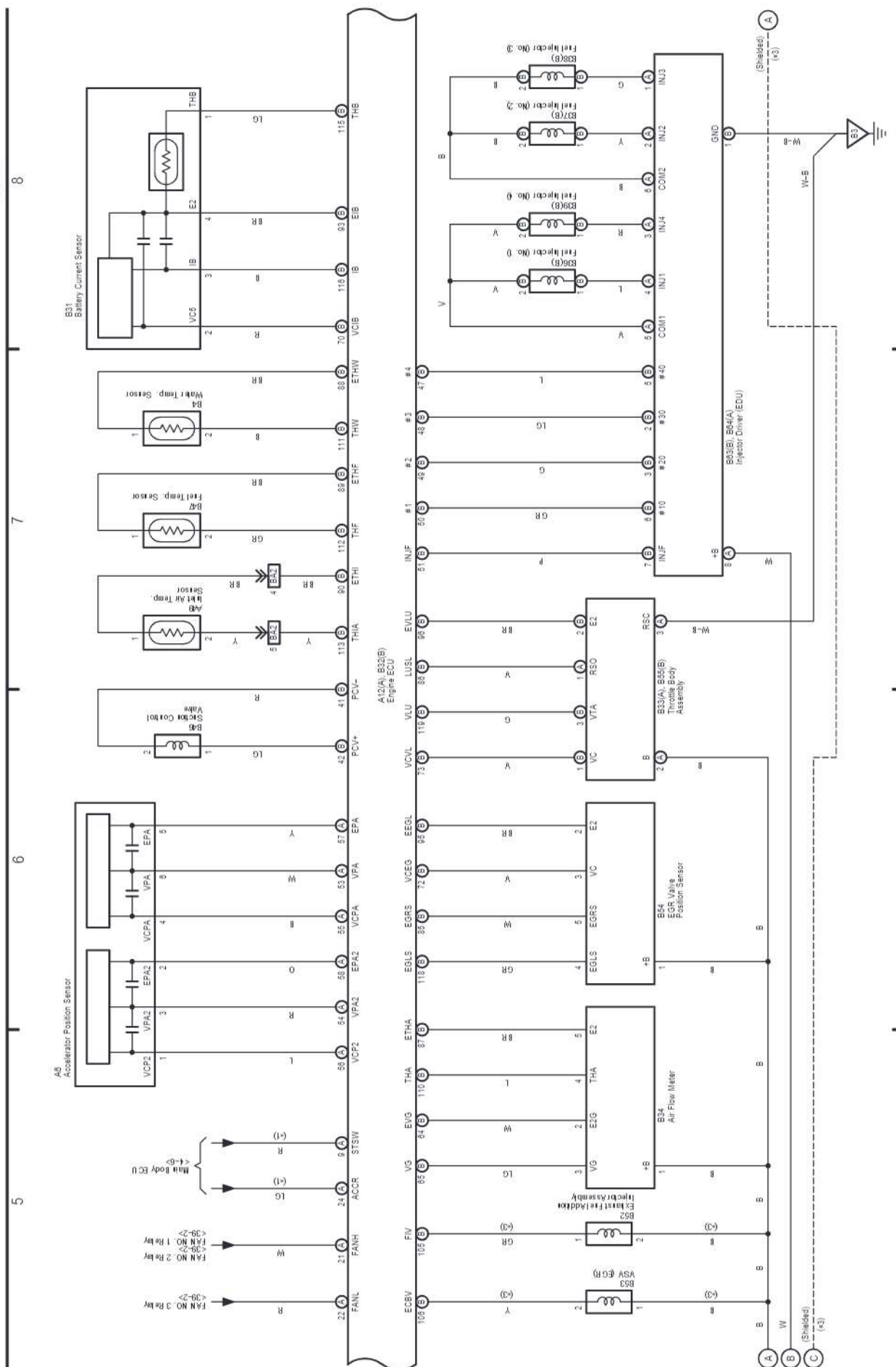
Cruise Control (2AD-FHV) (Before Dec. 2008 Production)



Engine Control (2AD-FTV) (Before Dec. 2008 Production)

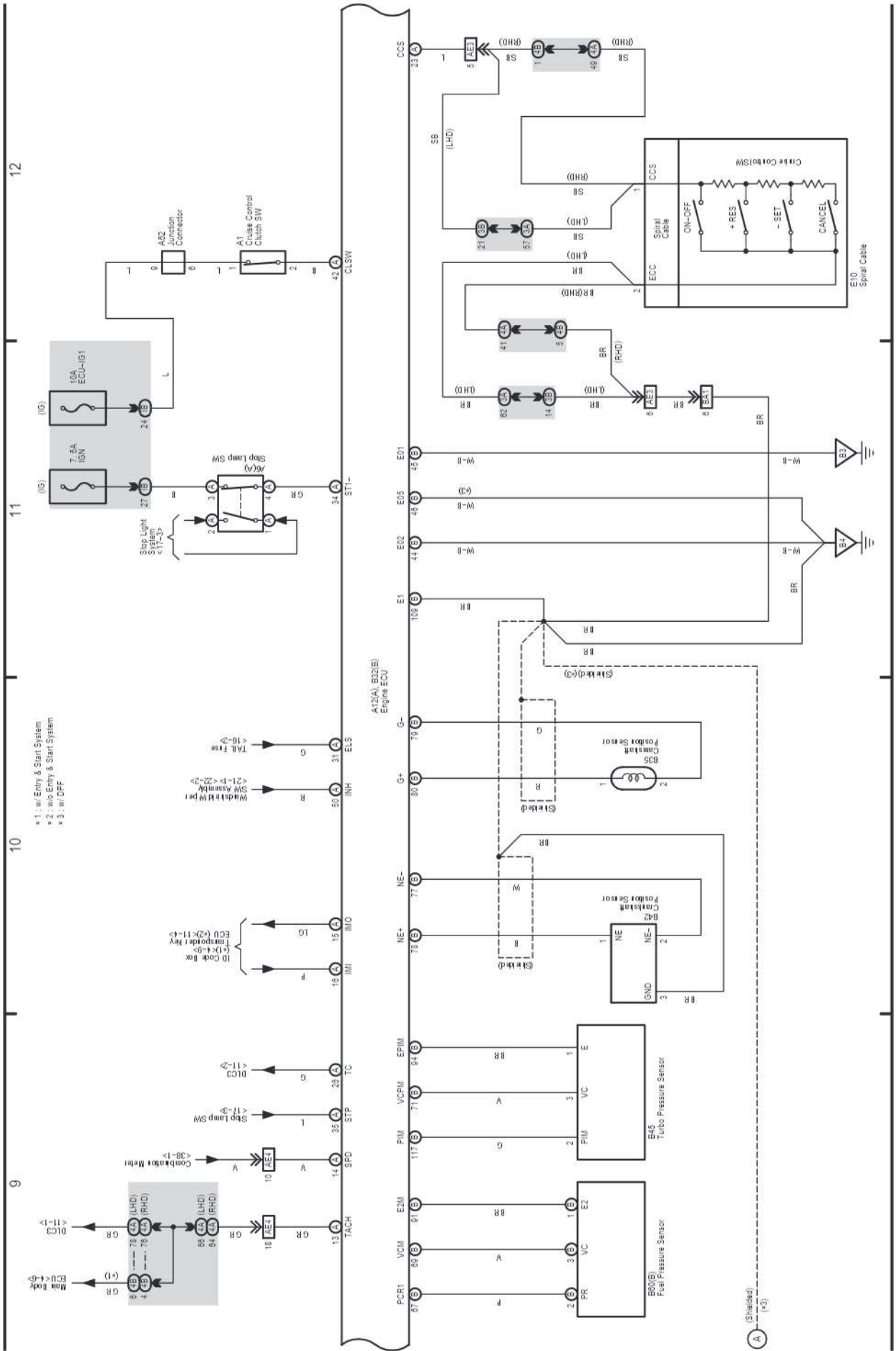
*3: w/DPF





Engine Control (2AD-FTV)
(Before Dec. 2008 Production)

Cruise Control (2AD-FTV)
(Before Dec. 2008 Production)

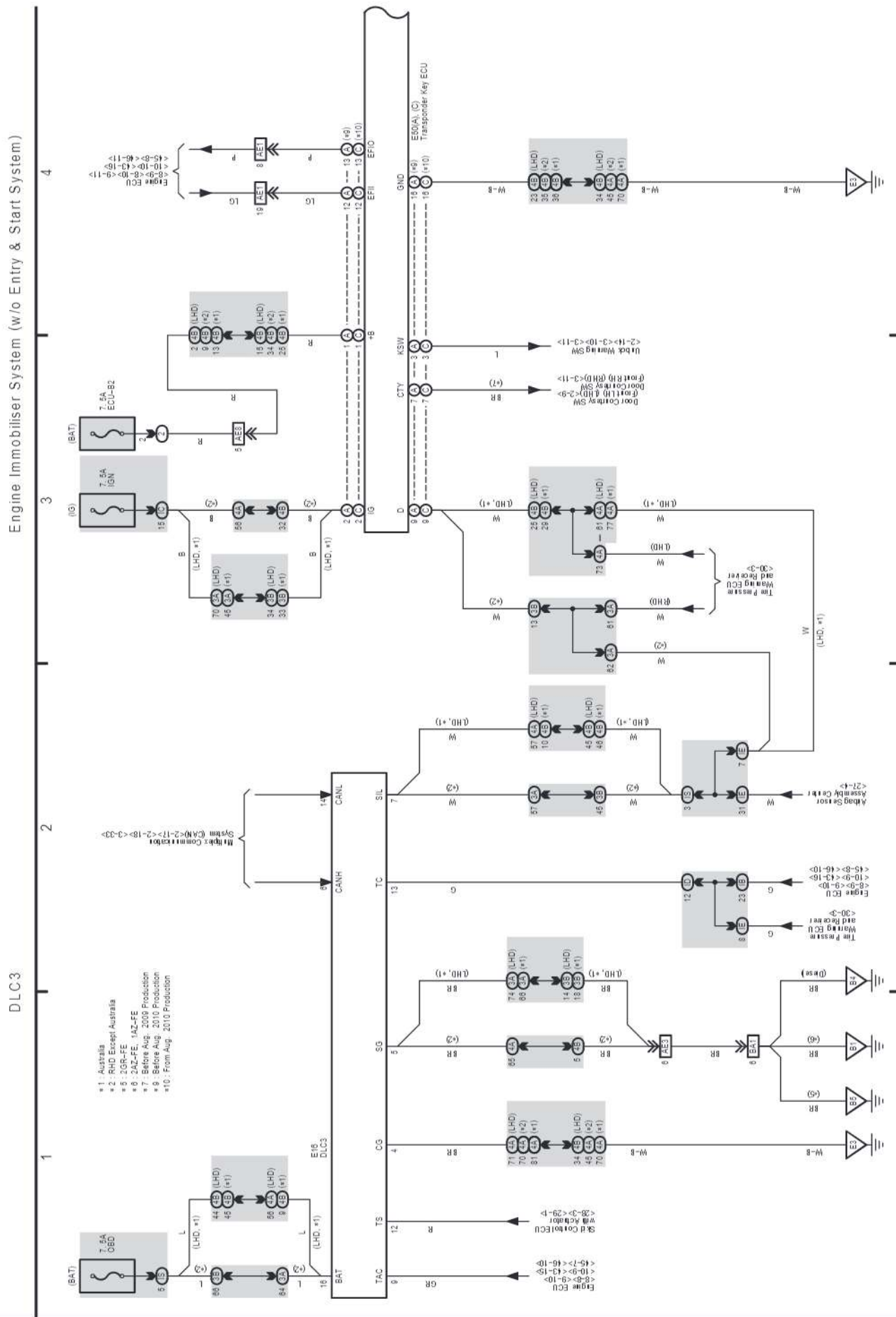


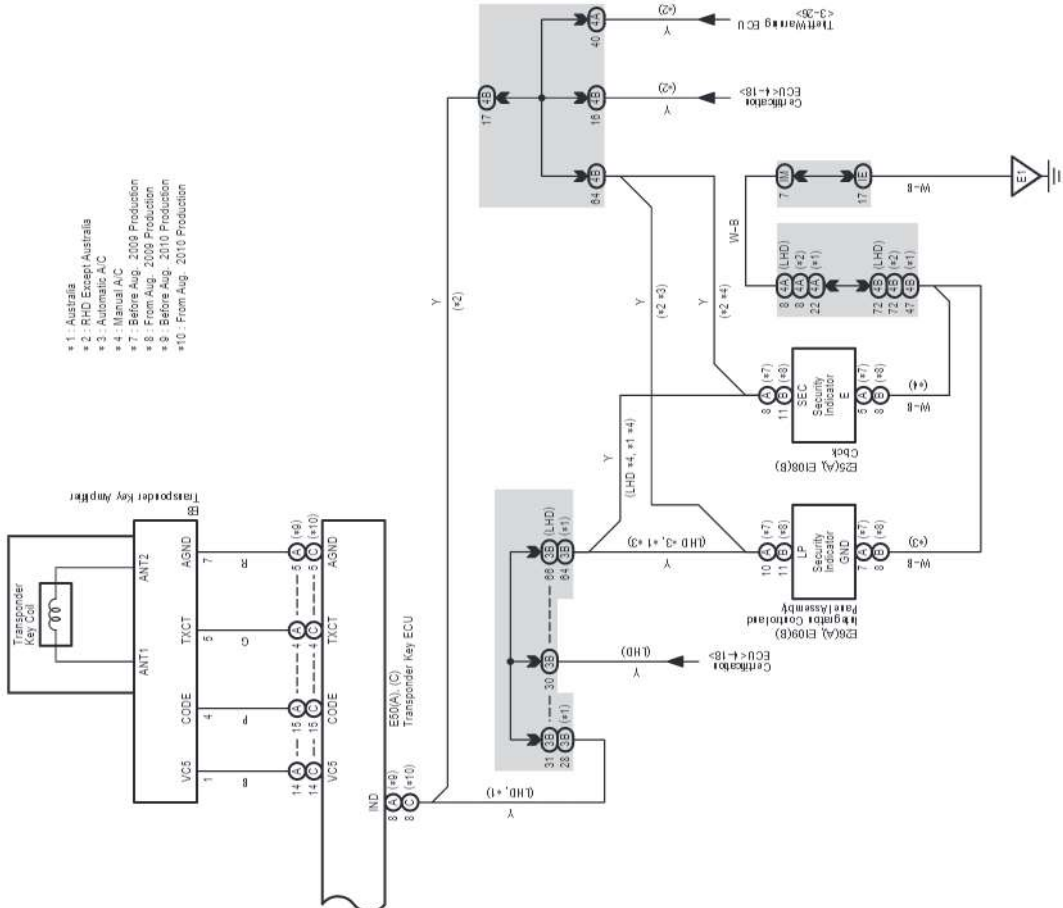
- * 1 : w/ Entry & Start System
- * 2 : w/o Entry & Start System



M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)



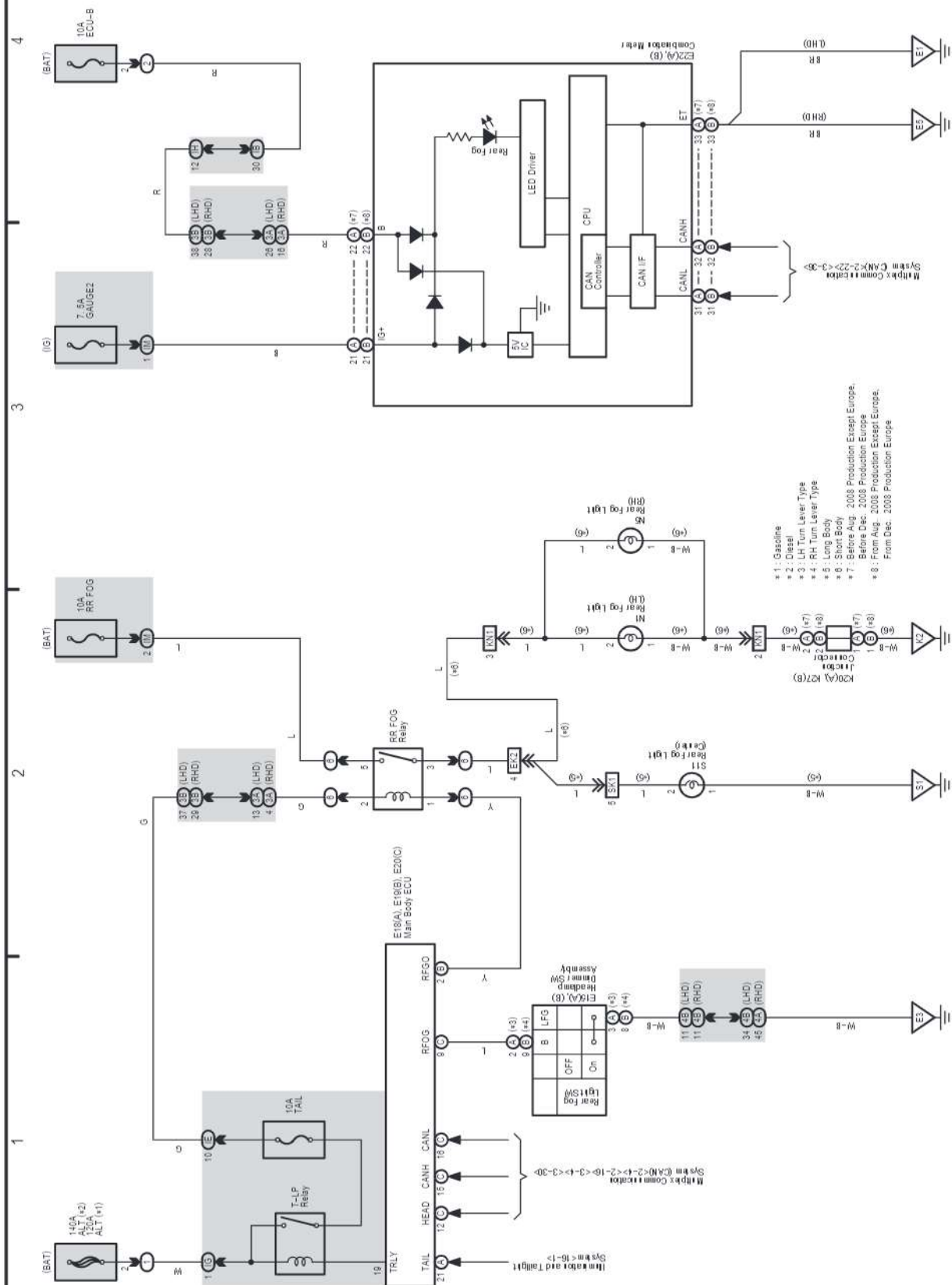


Horn

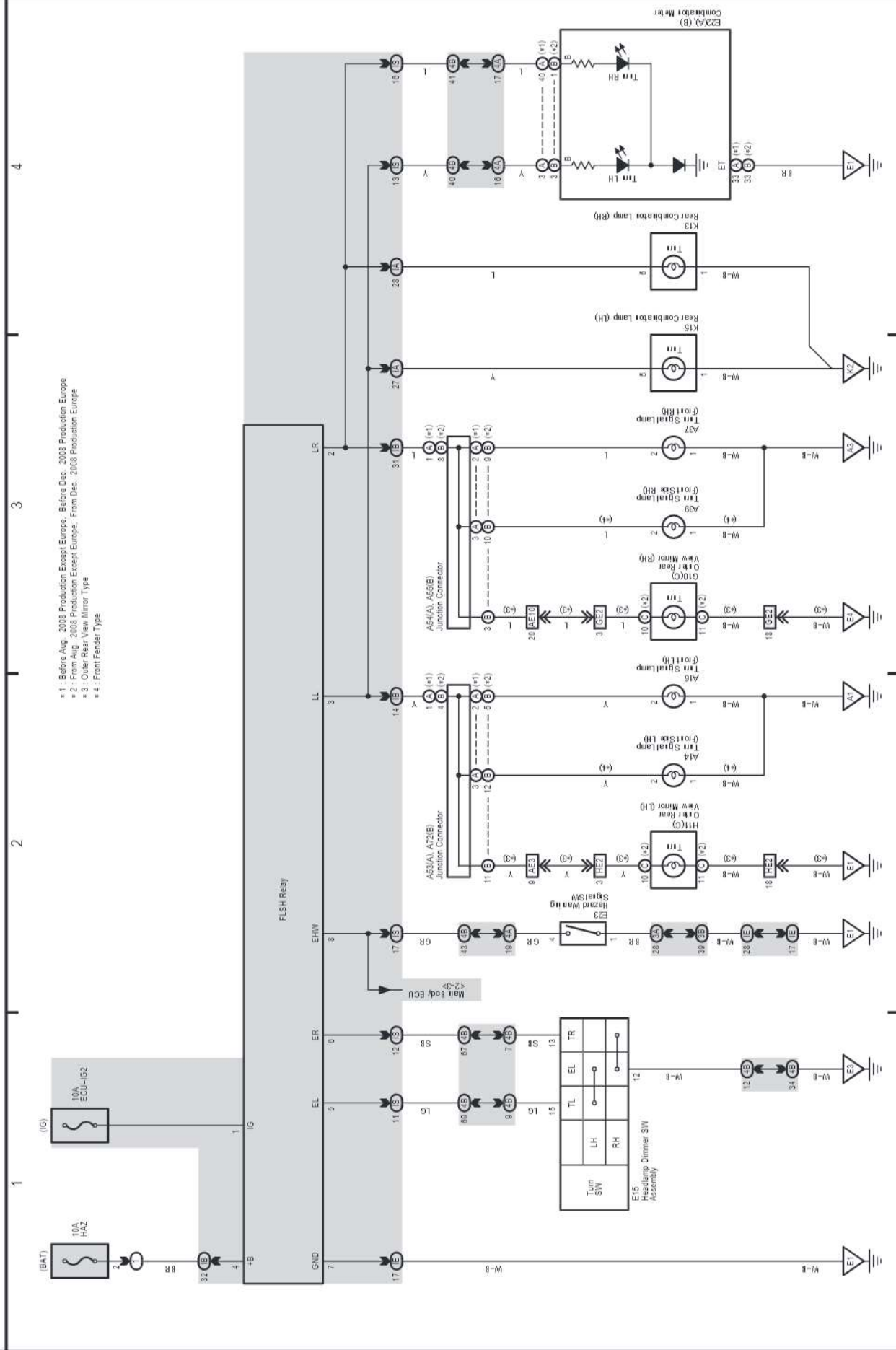


13 TOYOTA RAV4

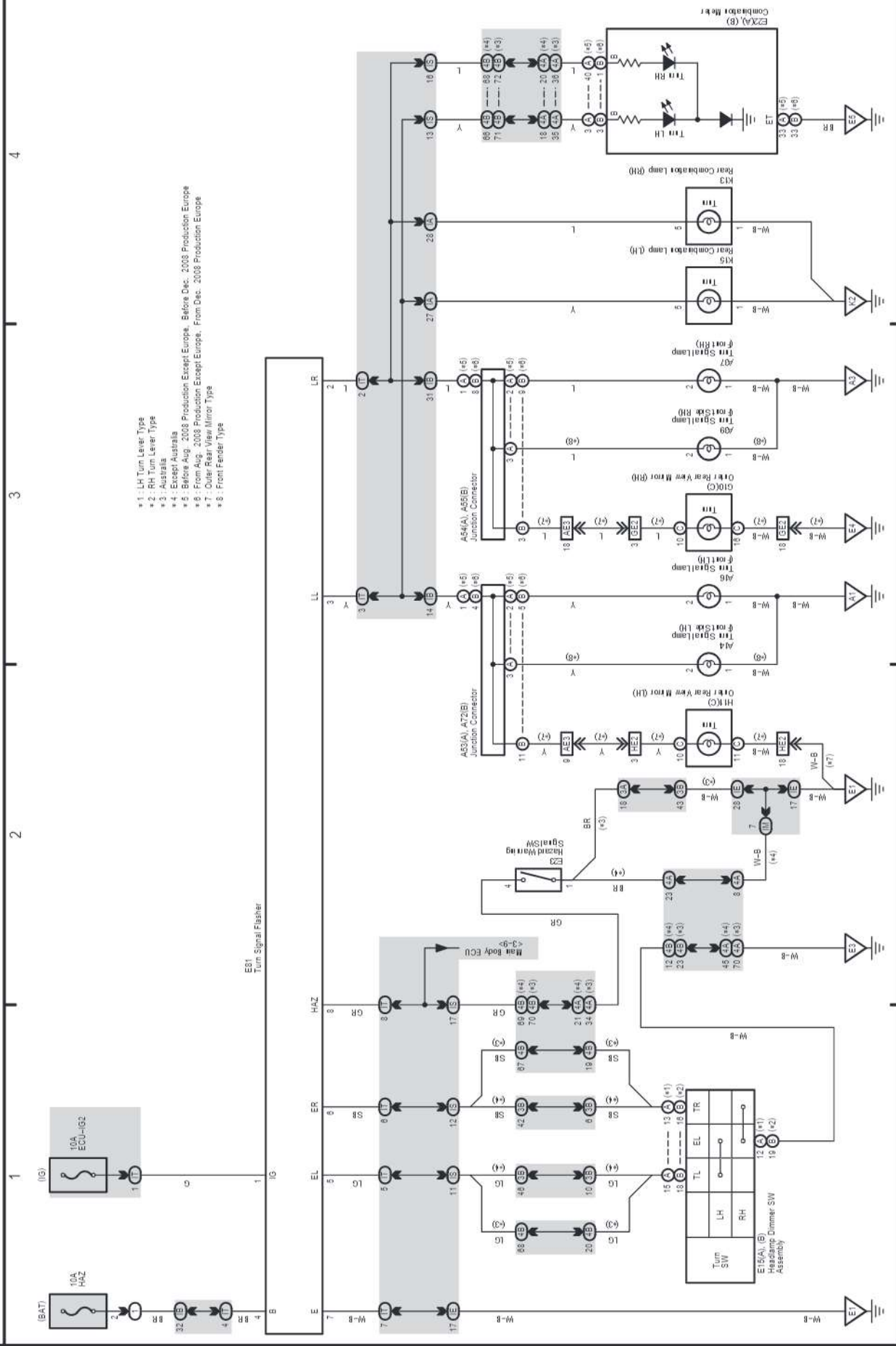
Rear Fog Light



Turn Signal and Hazard Warning Light (LHD)



Turn Signal and Hazard Warning Light (RHD)

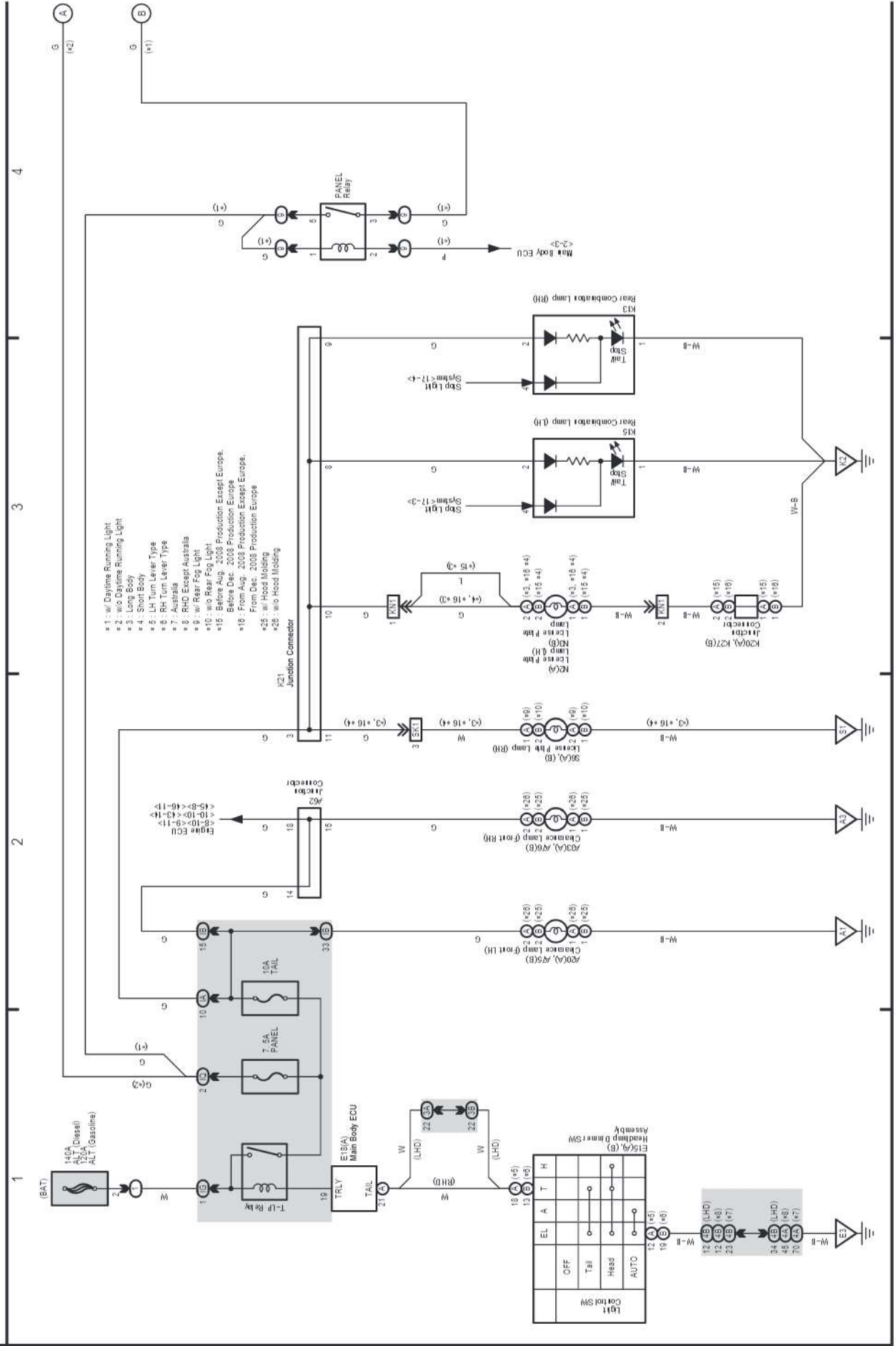


M OVERALL ELECTRICAL WIRING DIAGRAM

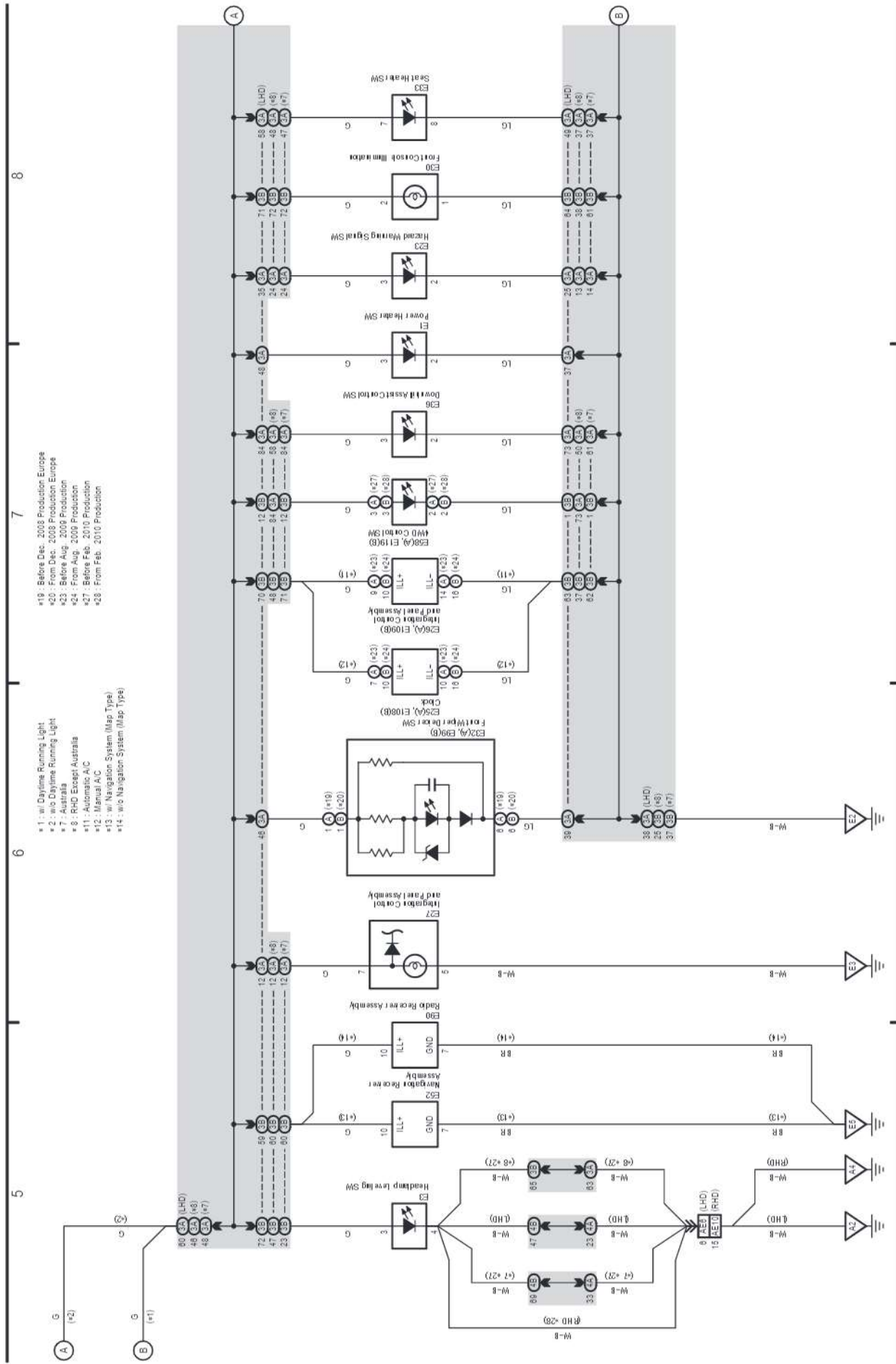
(Cont. next page)

16 TOYOTA RAV4

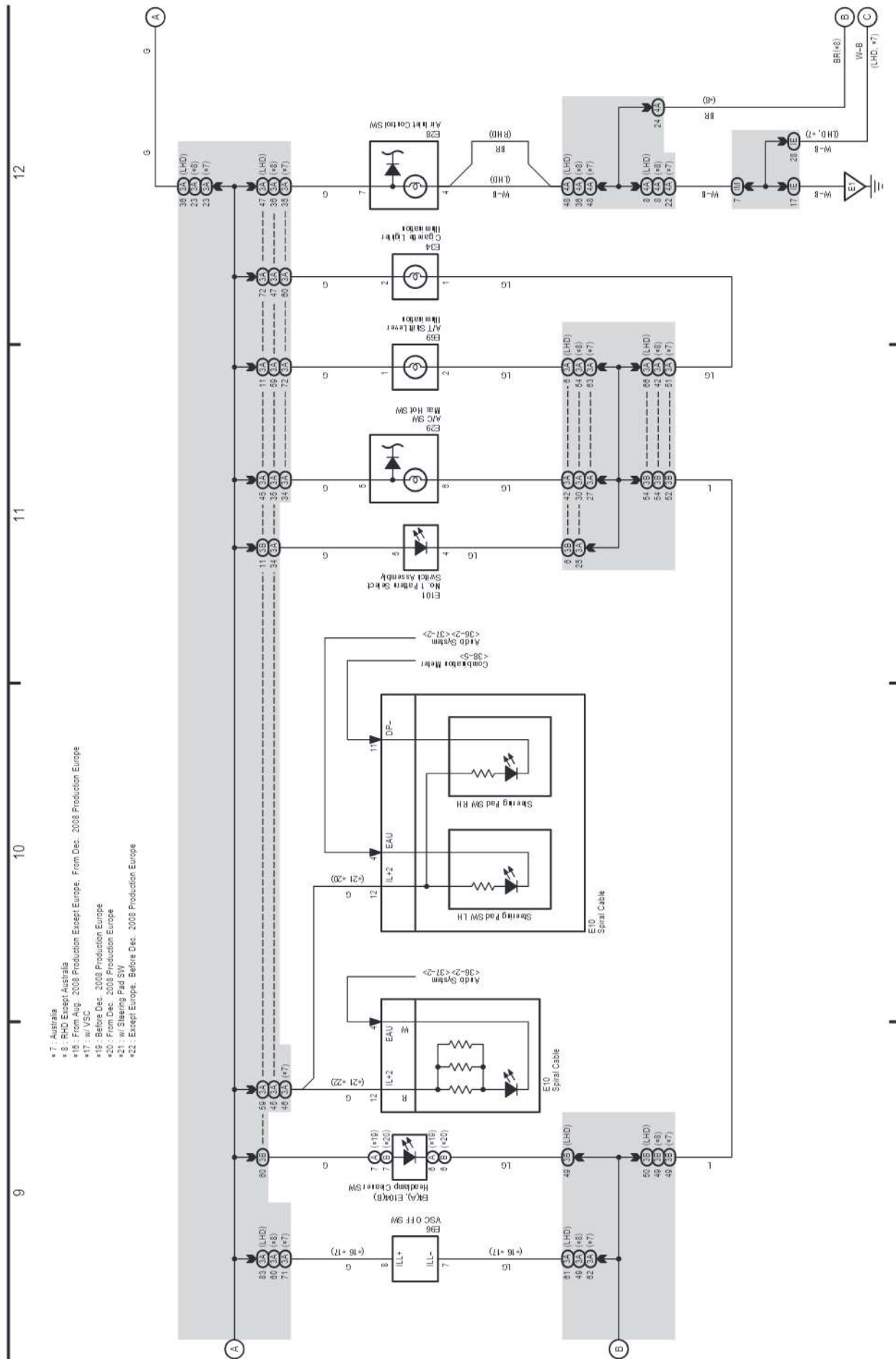
Illumination and Taillight



Illumination and Taillight



Illumination and Taillight



16 TOYOTA RAV4 (Cont' d)

Illumination and Taillight

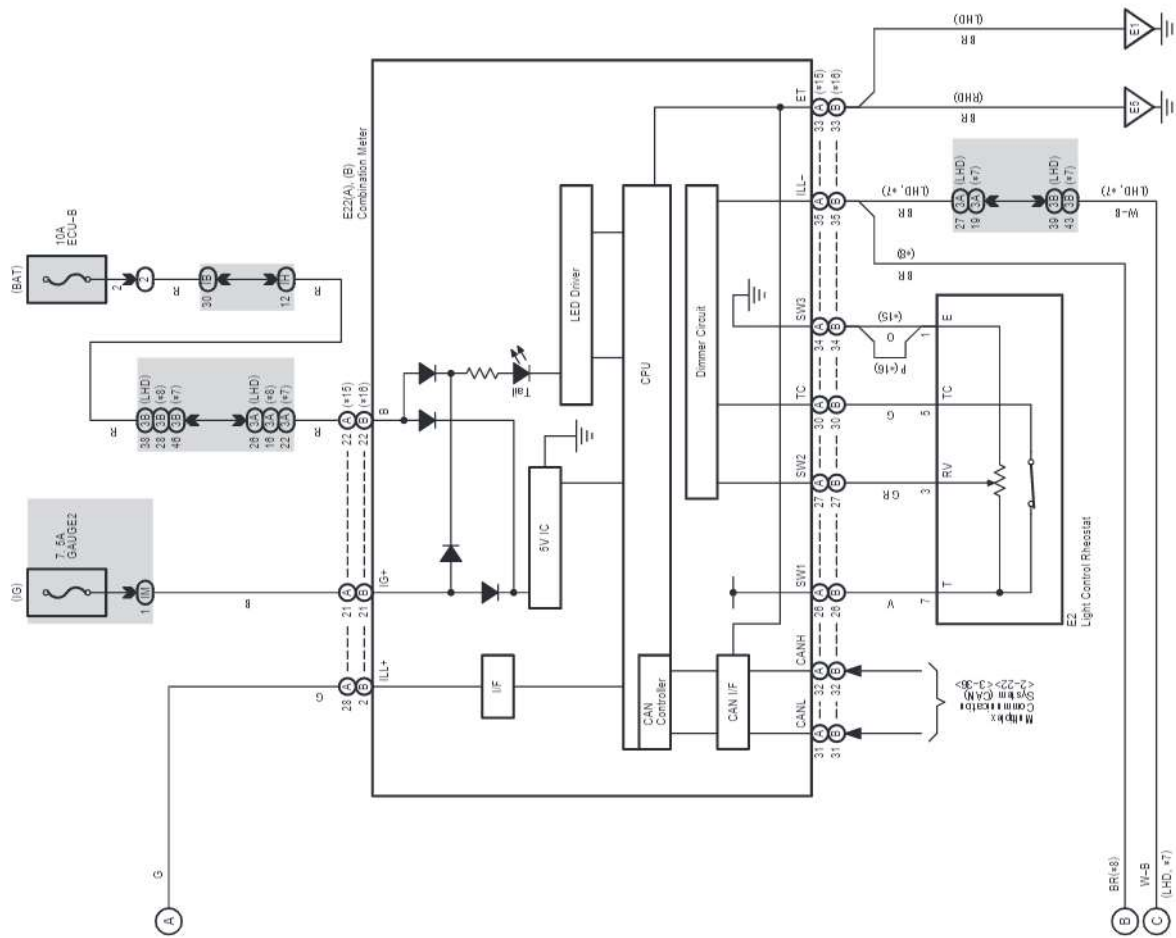
16

15

14

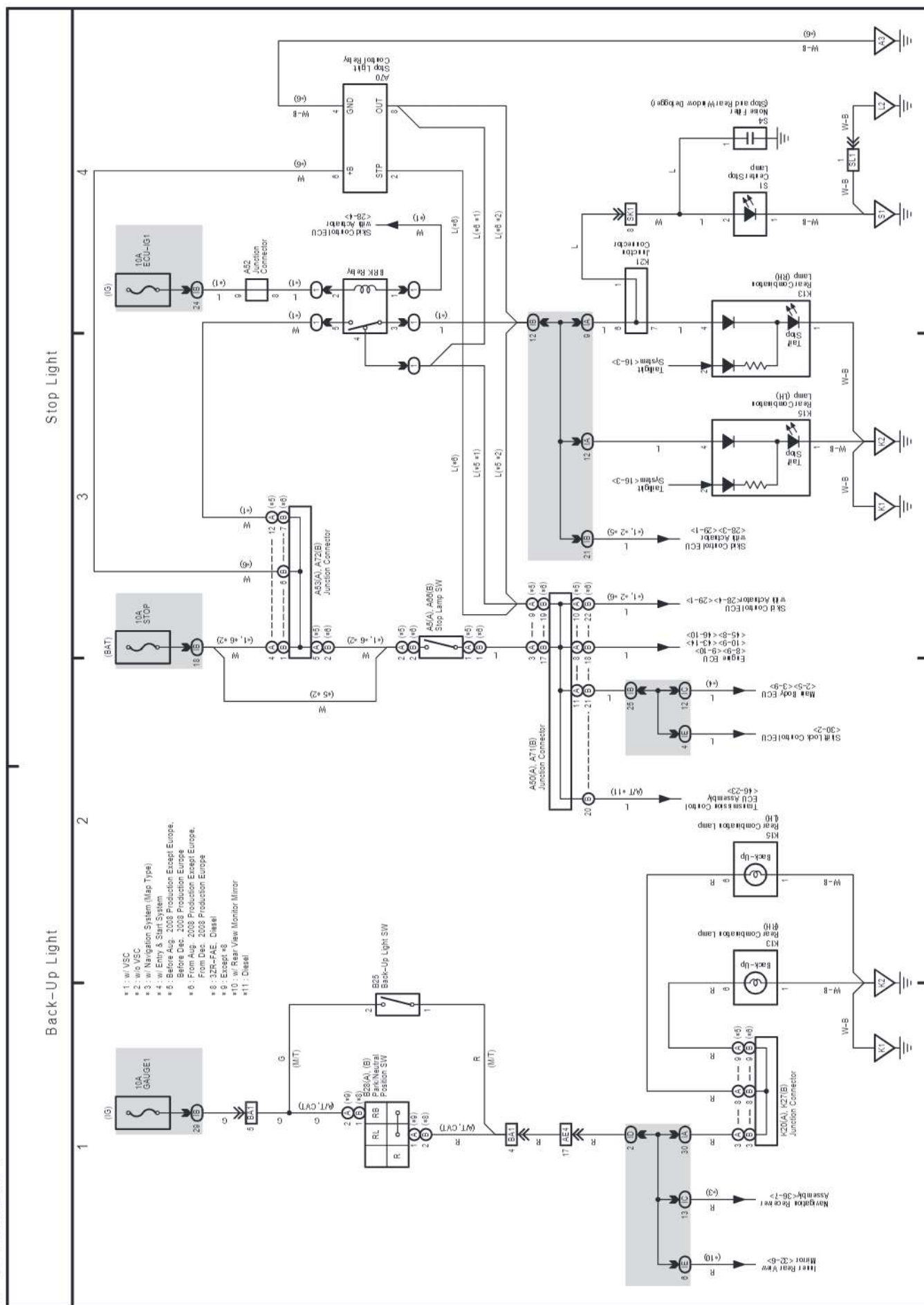
13

- *7: Australia
- *8: RHD Except Australia
- *15: Before Aug. 2008 Production Except Europe, Before Dec. 2008 Production Europe
- *16: From Aug. 2008 Production Except Europe, From Dec. 2008 Production Europe



M OVERALL ELECTRICAL WIRING DIAGRAM

17 TOYOTA RAV4

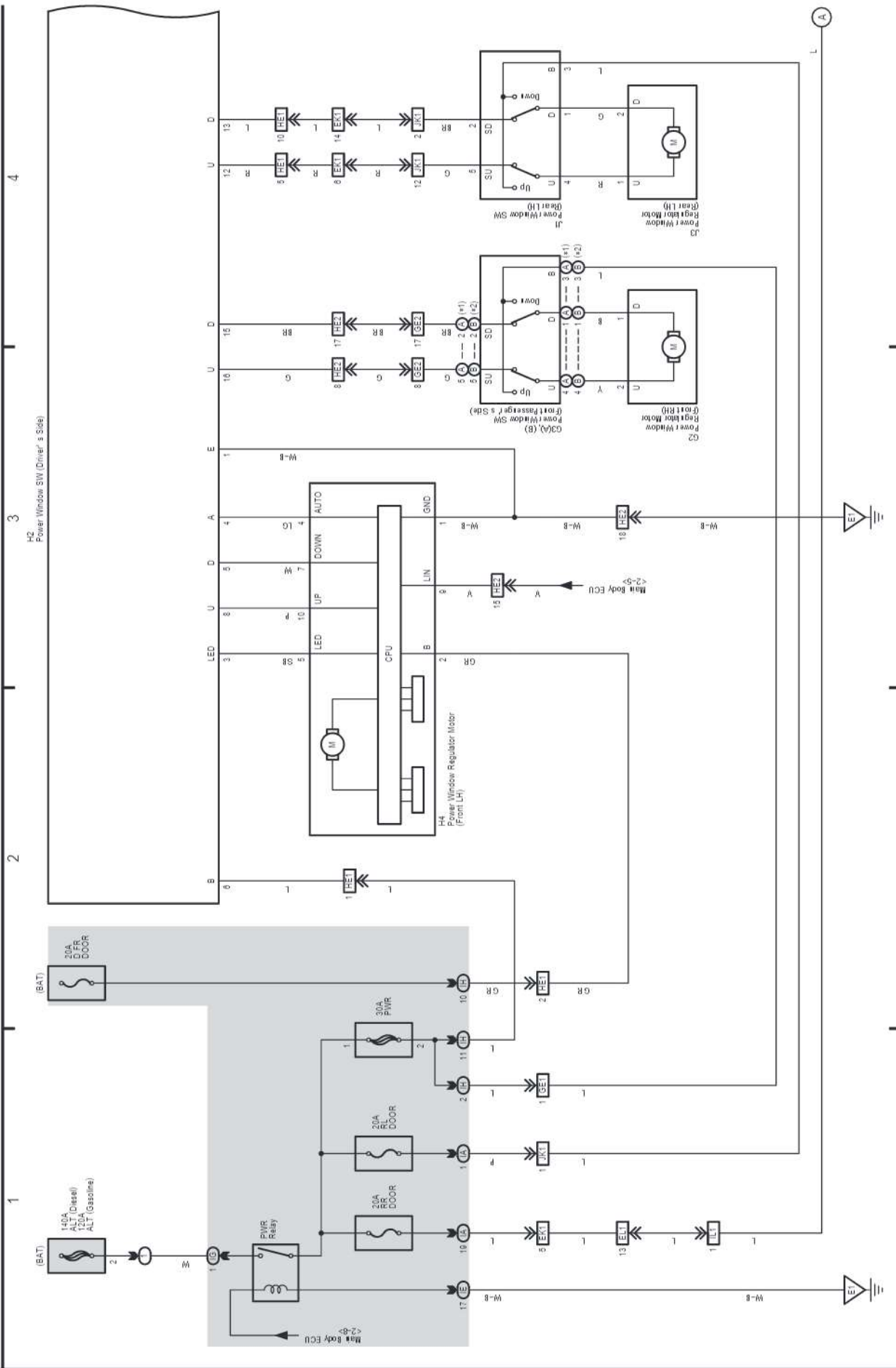


Headlight Cleaner



* 1: Before Aug. 2007 Production
* 2: From Aug. 2007 Production

Power Window (LHD)



19 TOYOTA RAV4 (Cont' d)

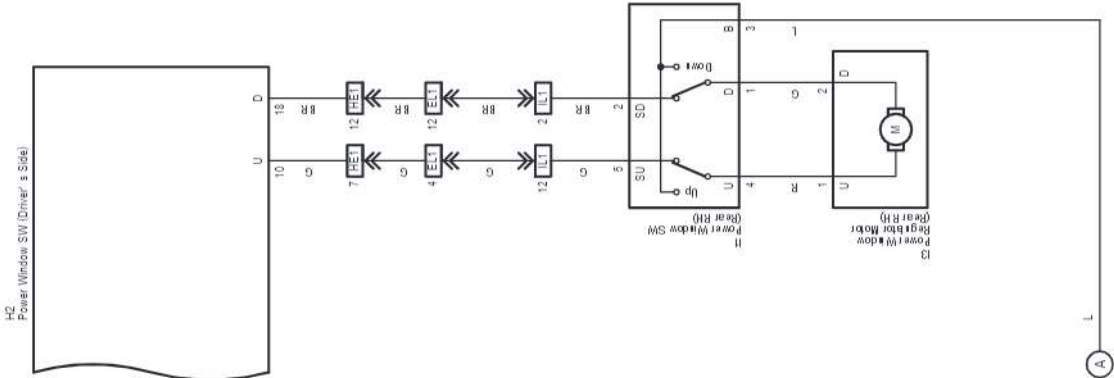
Power Window (LHD)

8

7

6

5

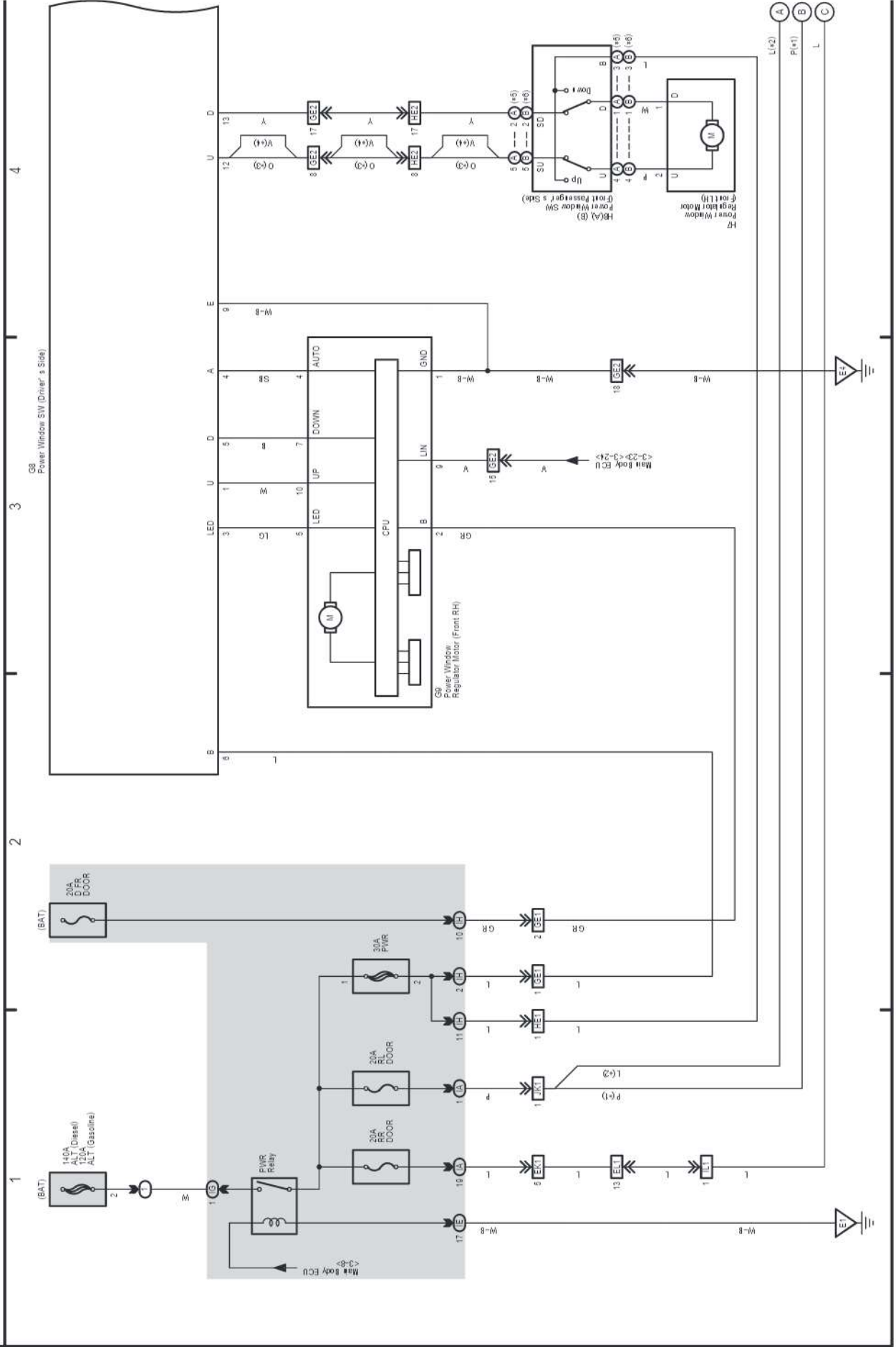


TOYOTA RAV4 (EM01NAE)

* 1 : Short Body
* 2 : Long Body
* 3 : Before Aug. 2008 Production Except Europe.
Before Dec. 2007 Production

* 4 : From Aug. 2008 Production Except Europe.
From Dec. 2008 Production Europe.
* 5 : Before Aug. 2007 Production
* 6 : From Aug. 2007 Production

Power Window (RHD)



Power Window (RHD)

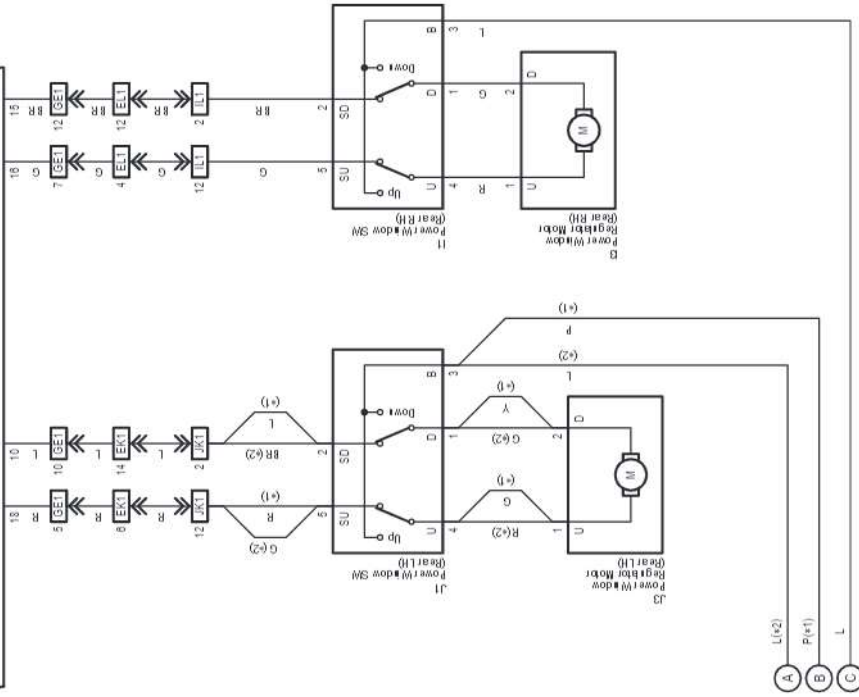
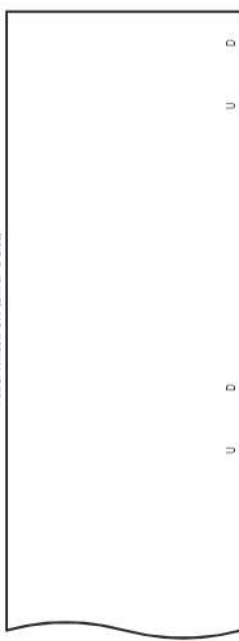
8

7

6

5

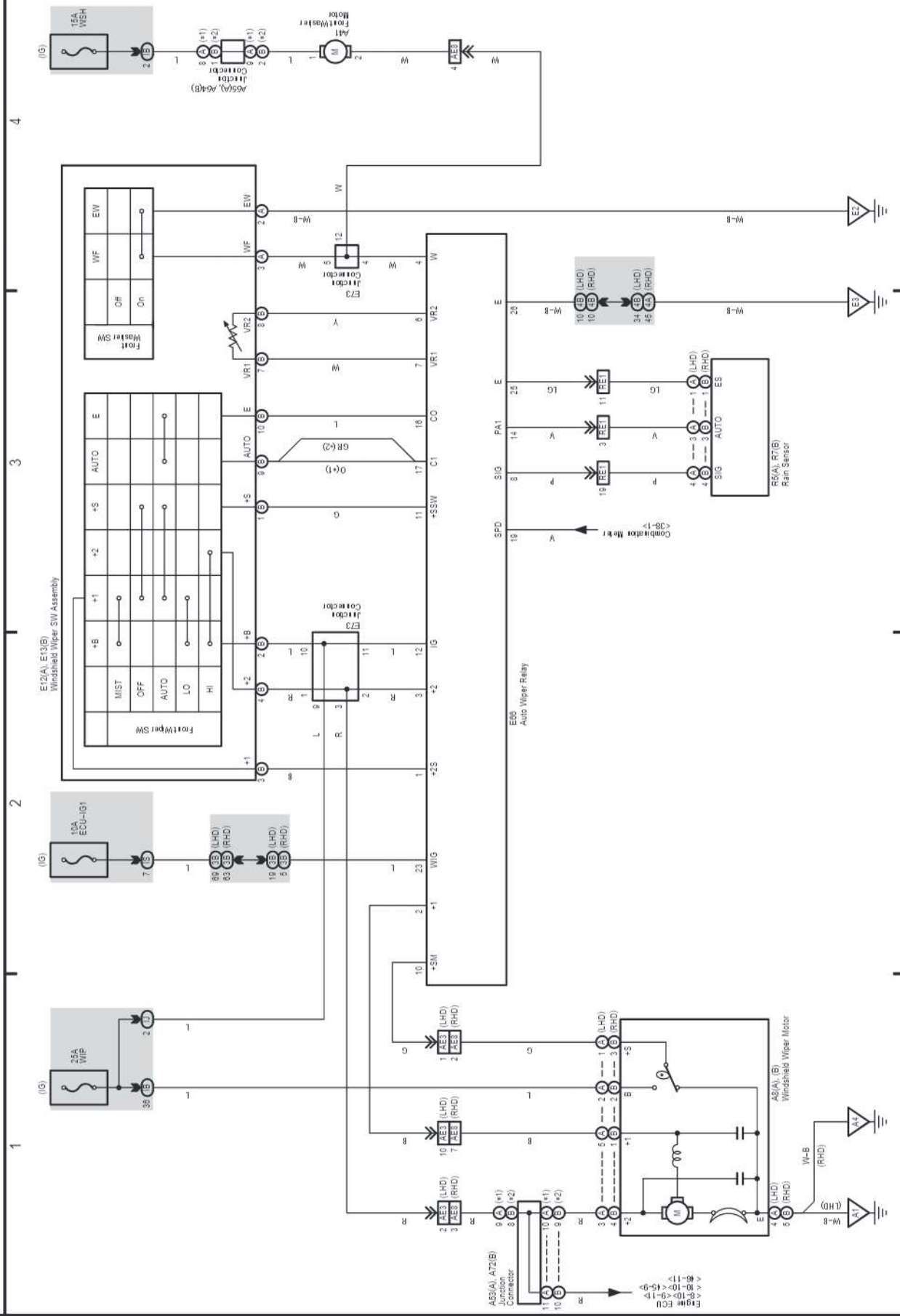
G8 Power Window SW (Driver's Side)



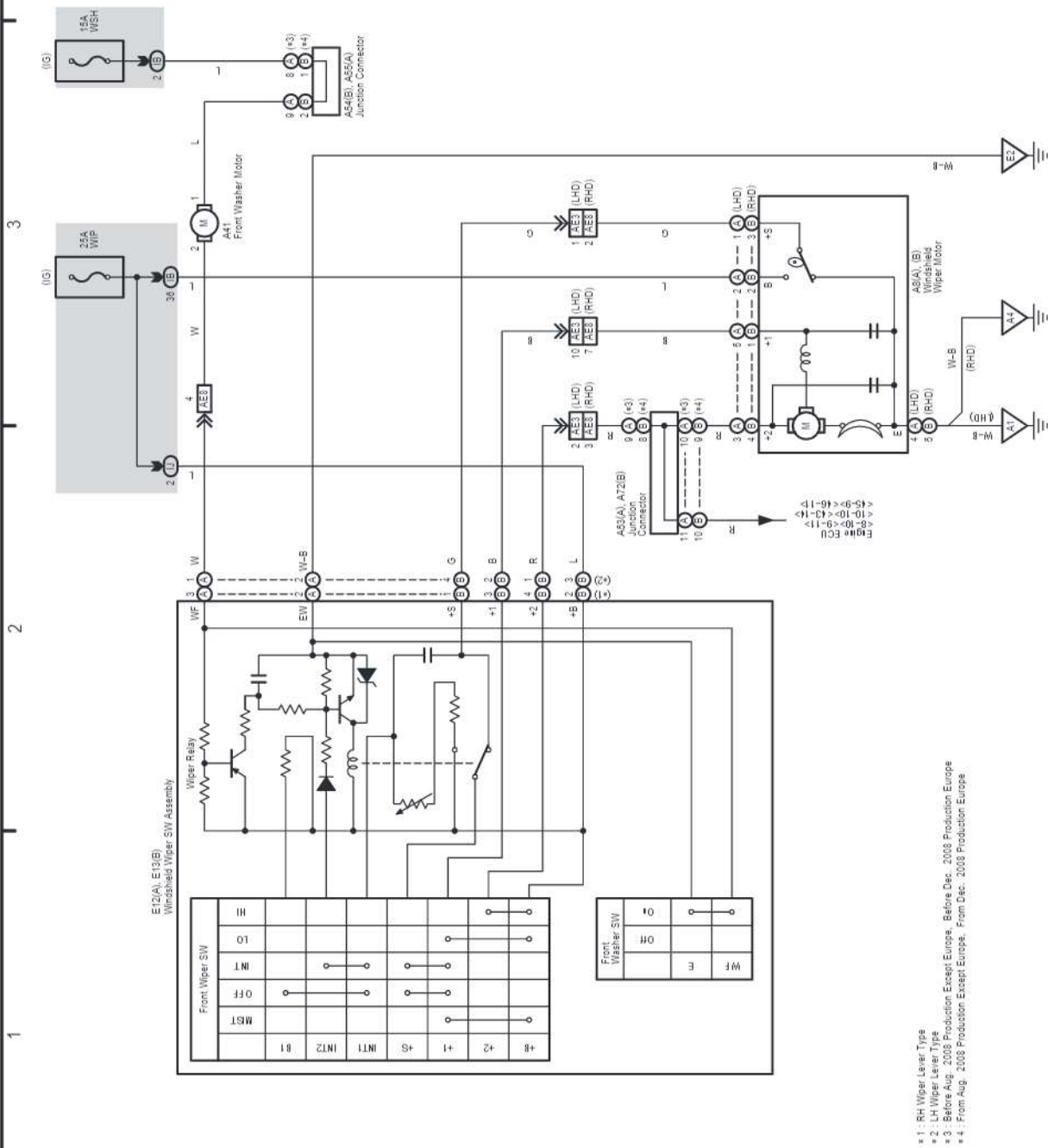
M OVERALL ELECTRICAL WIRING DIAGRAM

Front Wiper and Washer (w/ Auto Wiper System)

* 1 : Before Dec. 2008 Production
* 2 : From Dec. 2008 Production



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



- * 1 - RH Wiper Lever Type
- * 2 - LH Wiper Lever Type
- * 3 - Before Aug. 2008 Production Except Europe, Before Dec. 2008 Production Europe
- * 4 - From Aug. 2008 Production Except Europe, From Dec. 2008 Production Europe



Remote Control Mirror

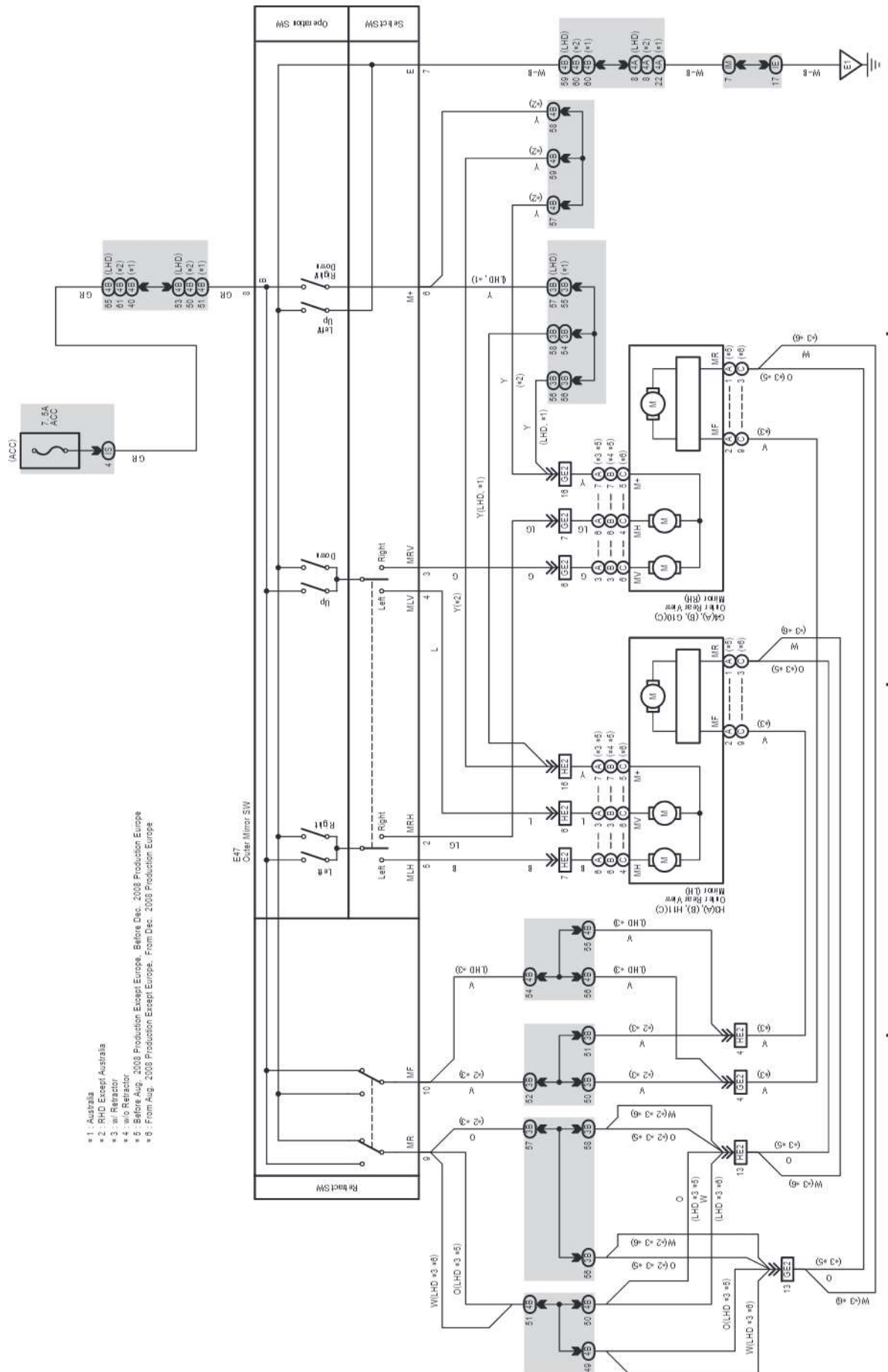
1

2

3

4

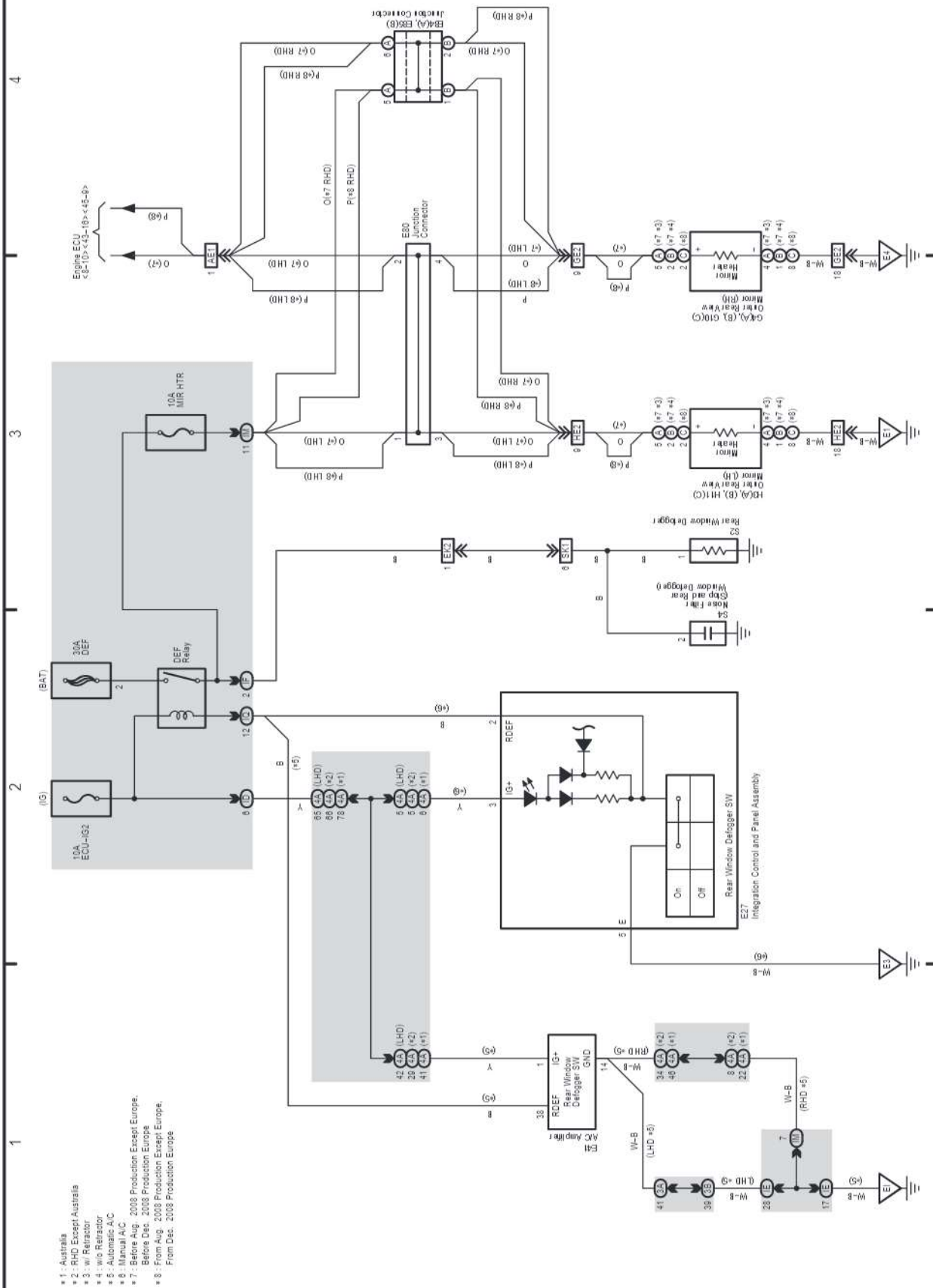
- *1 : Australia
- *2 : RHD Except Australia
- *3 : w/ Retractor
- *4 : w/o Retractor
- *5 : Before Aug. 2008 Production Except Europe, From Dec. 2008 Production Europe
- *6 : From Aug. 2008 Production Except Europe, From Dec. 2008 Production Europe

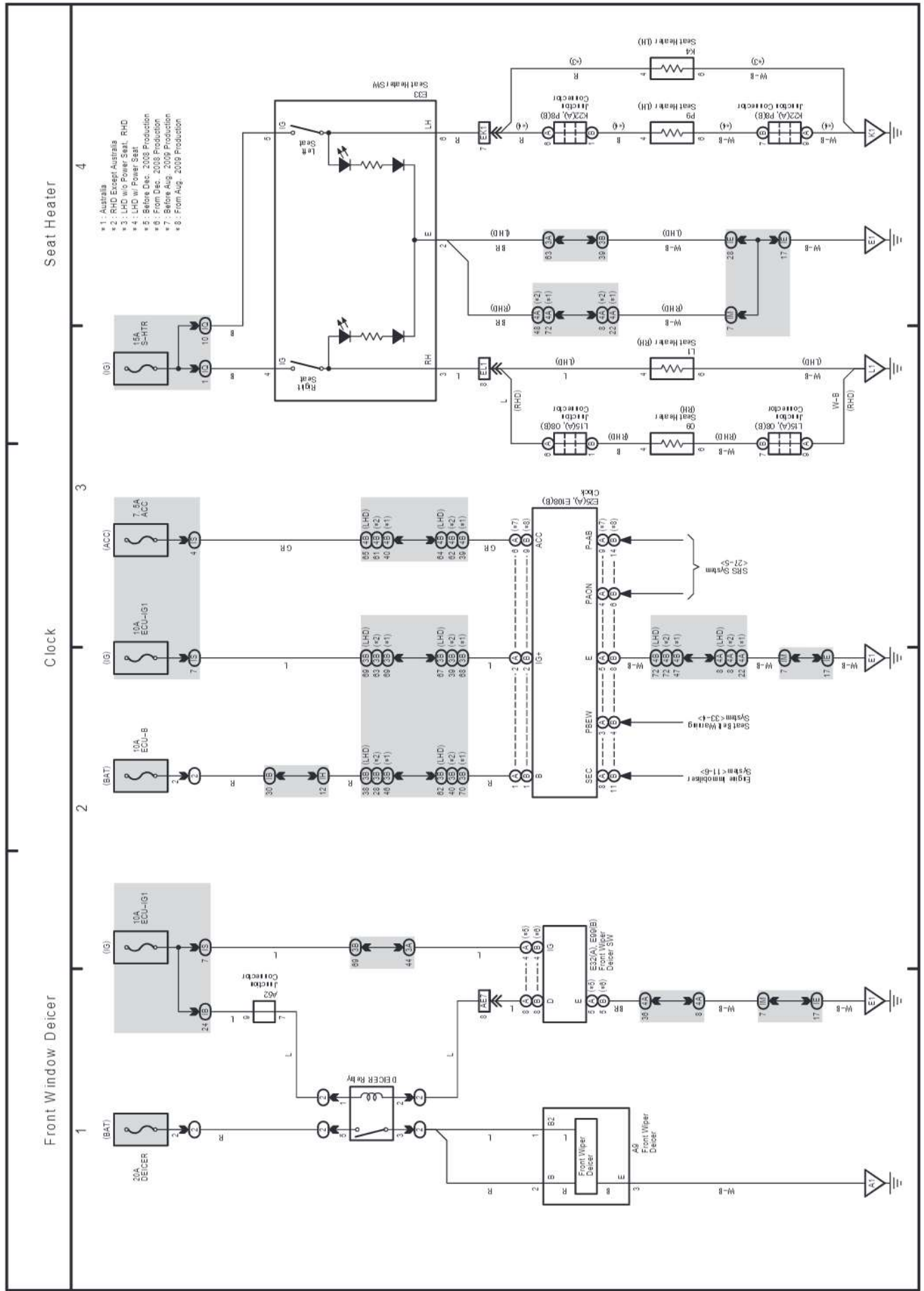


M OVERALL ELECTRICAL WIRING DIAGRAM

25 TOYOTA RAV4

Mirror Heater and Rear Window Defogger





TOYOTA RAV4 (EM01NAE)



SRS

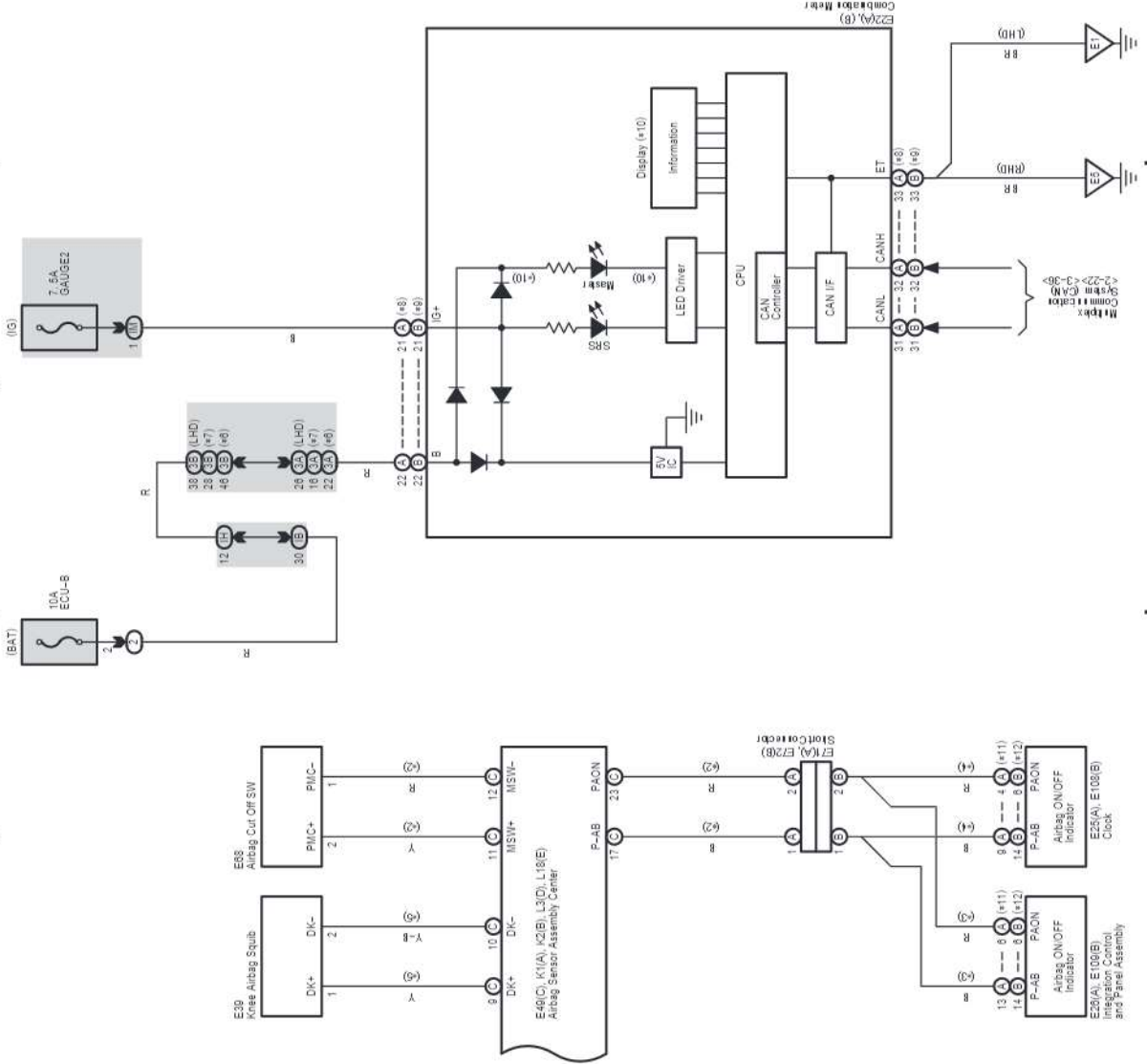
8

7

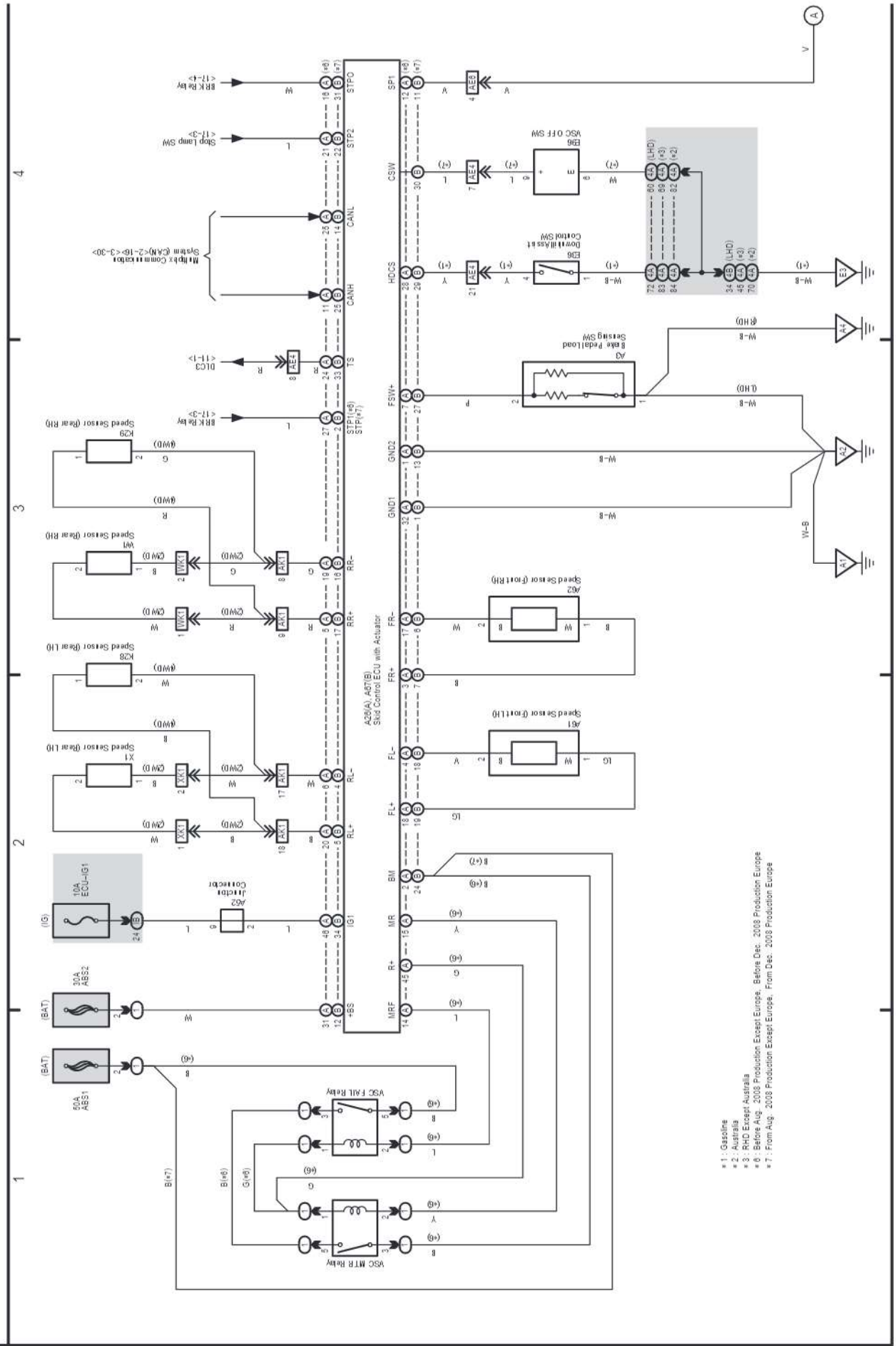
6

5

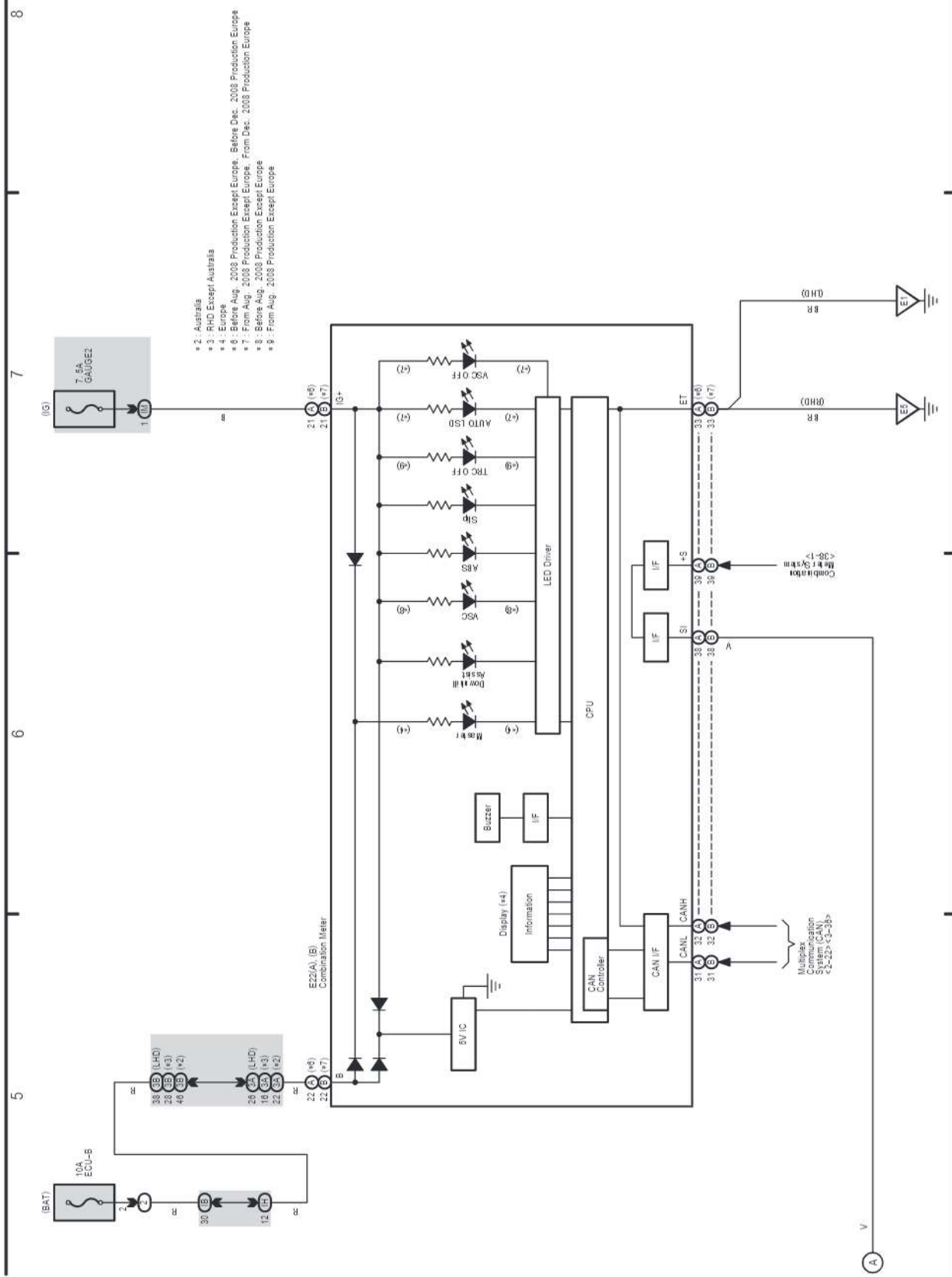
- *2: w/ Airbag Cut Off SW
- *3: Automatic A/C
- *4: Manual A/C
- *5: w/ Knee Airbag
- *6: Australia
- *7: RHD Except Australia
- *8: Before Aug. 2008 Production Except Europe, Before Dec. 2008 Production Europe
- *9: From Aug. 2008 Production Except Europe, From Dec. 2008 Production Europe
- *10: Europe
- *11: Before Aug. 2008 Production
- *12: From Aug. 2008 Production



ABS (w/ VSC), Downhill Assist Control, TRC and VSC

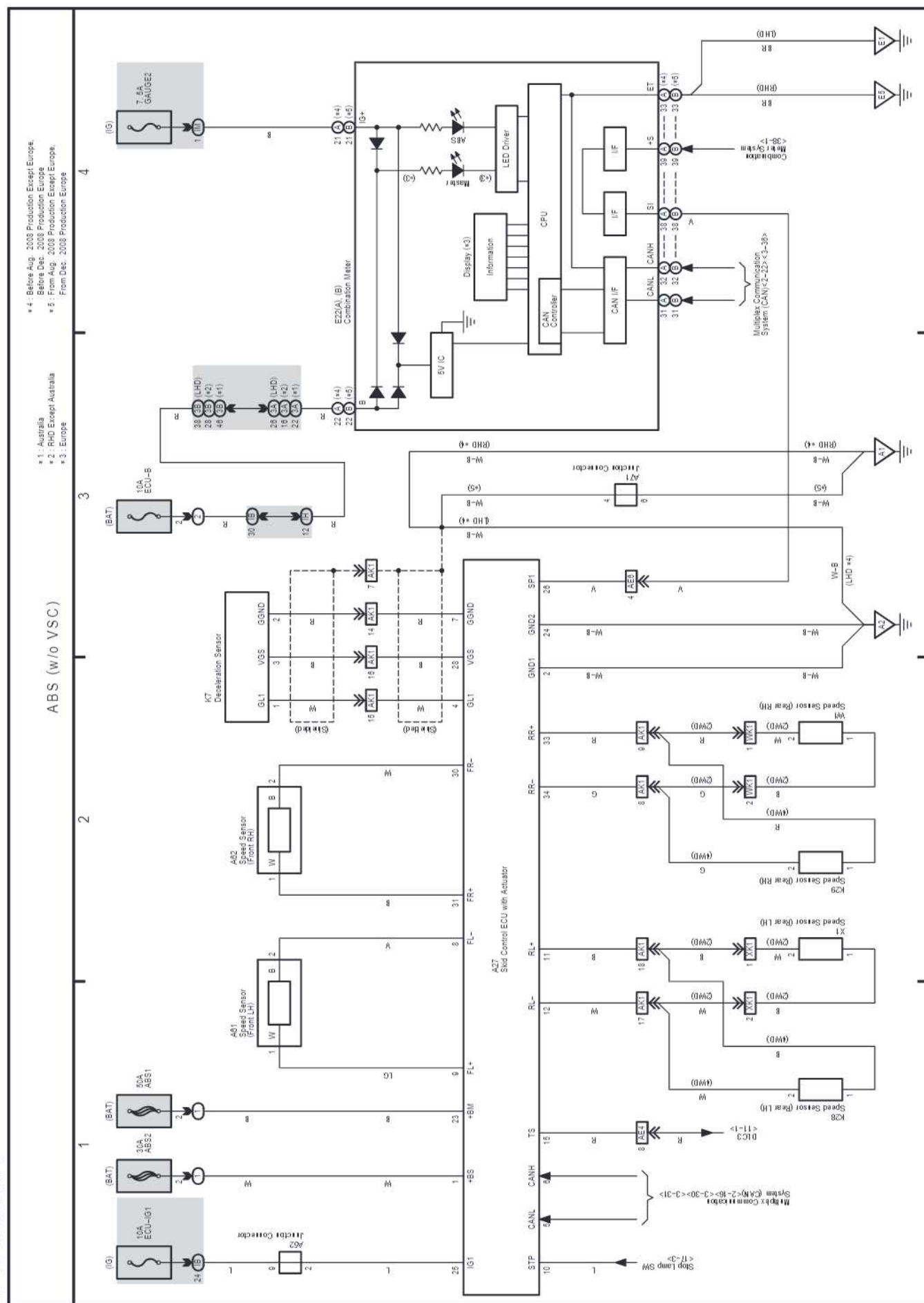


ABS (w/ VSC), Downhill Assist Control, Hill-Start Assist Control, TRC and VSC



M OVERALL ELECTRICAL WIRING DIAGRAM

29 TOYOTA RAV4

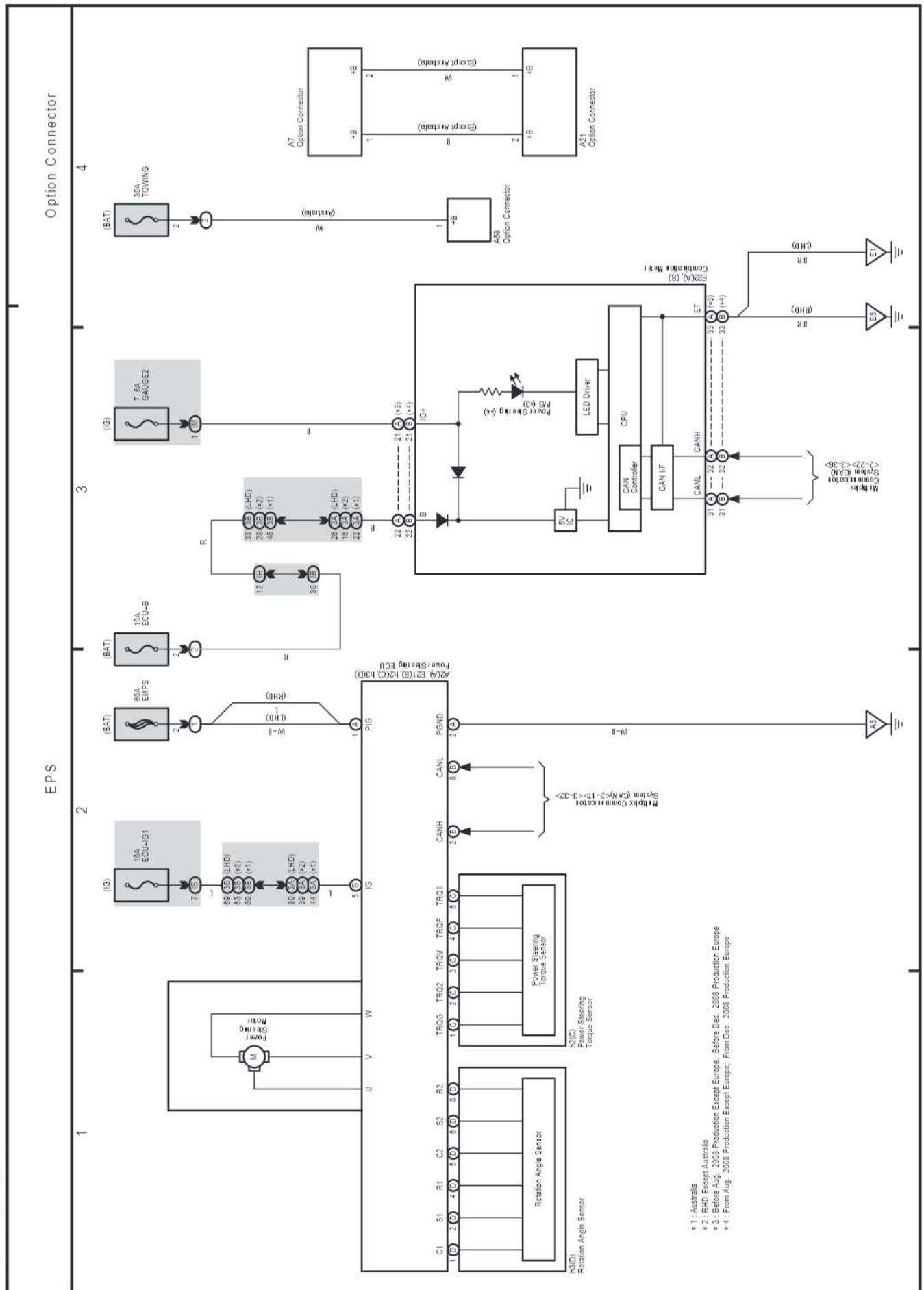


TOYOTA RAV4 (EM01NAE)



M OVERALL ELECTRICAL WIRING DIAGRAM

31 TOYOTA RAV4

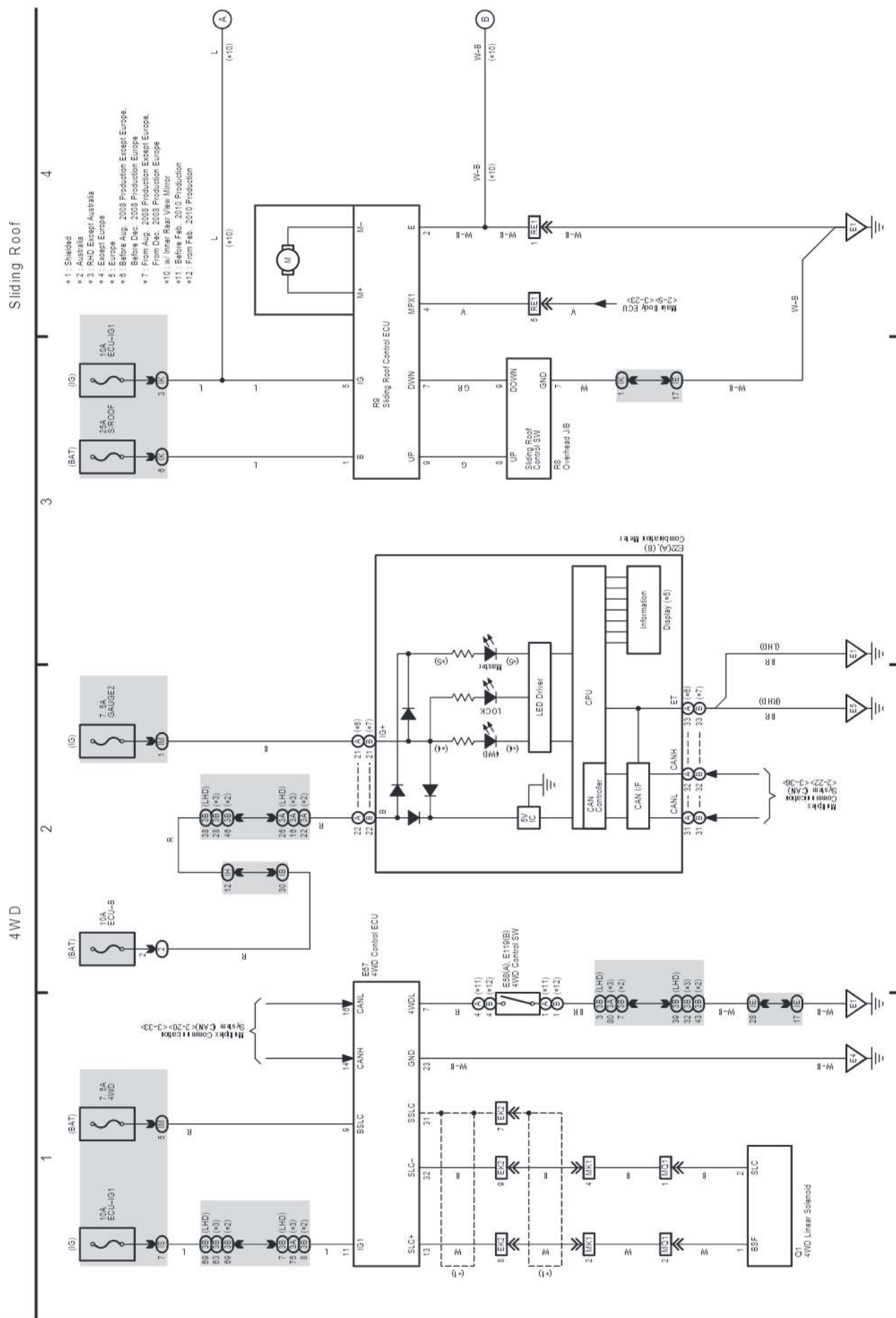


TOYOTA RAV4 (EM01NAE)

M OVERALL ELECTRICAL WIRING DIAGRAM

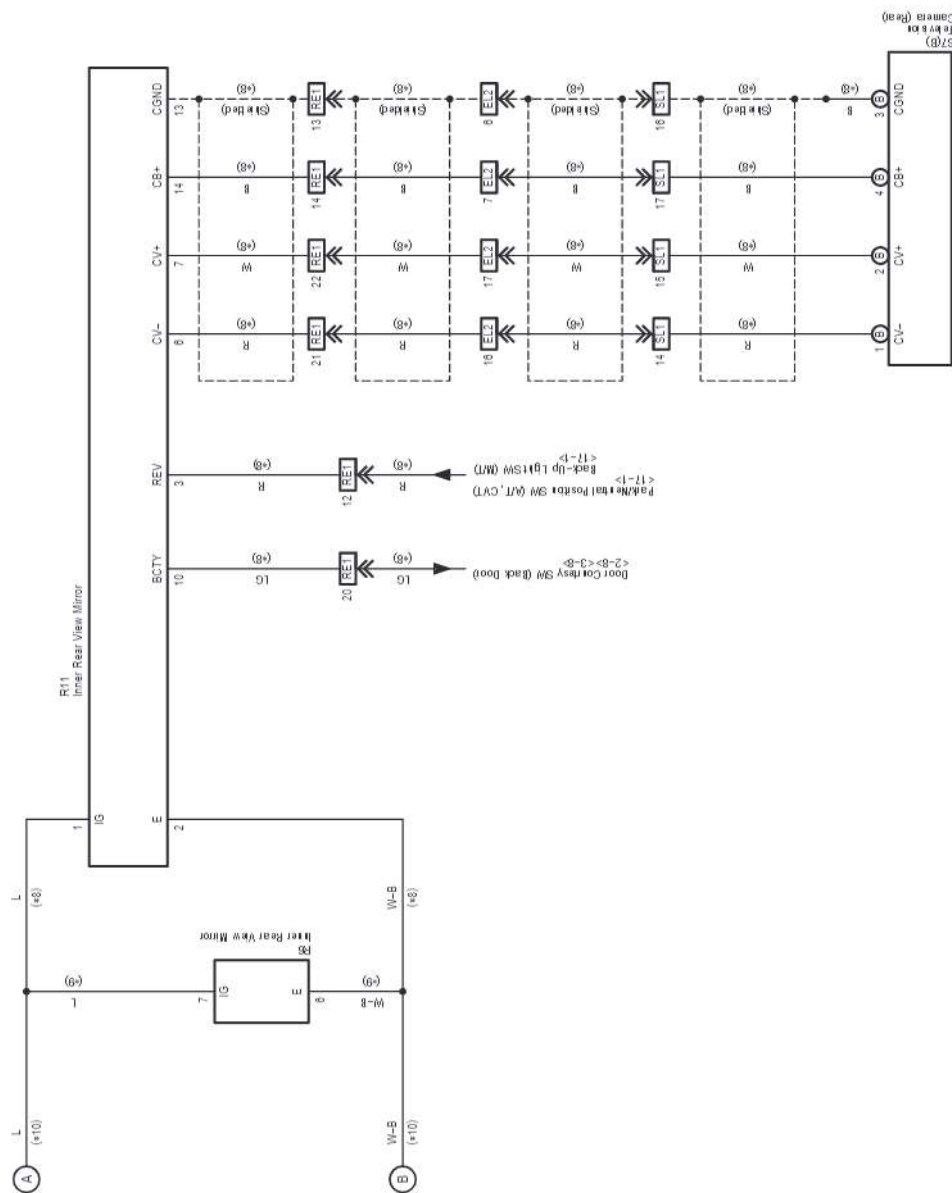
32 TOYOTA RAV4

(Cont. next page)



TOYOTA RAV4 (EM01NAE)

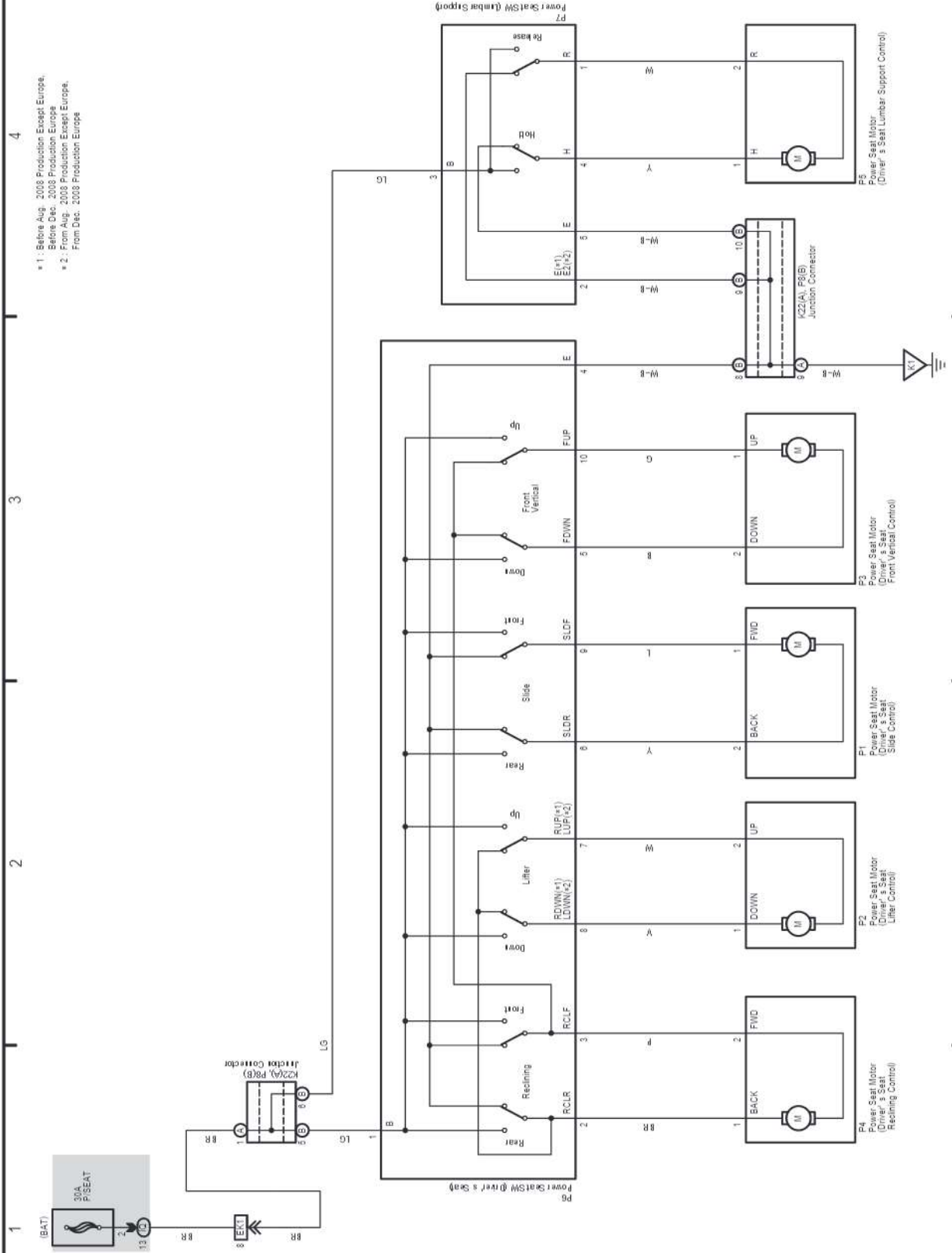
Parking Assist (Rear View Monitor)
(w/o Navigation System Map Type)



33 TOYOTA RAV4



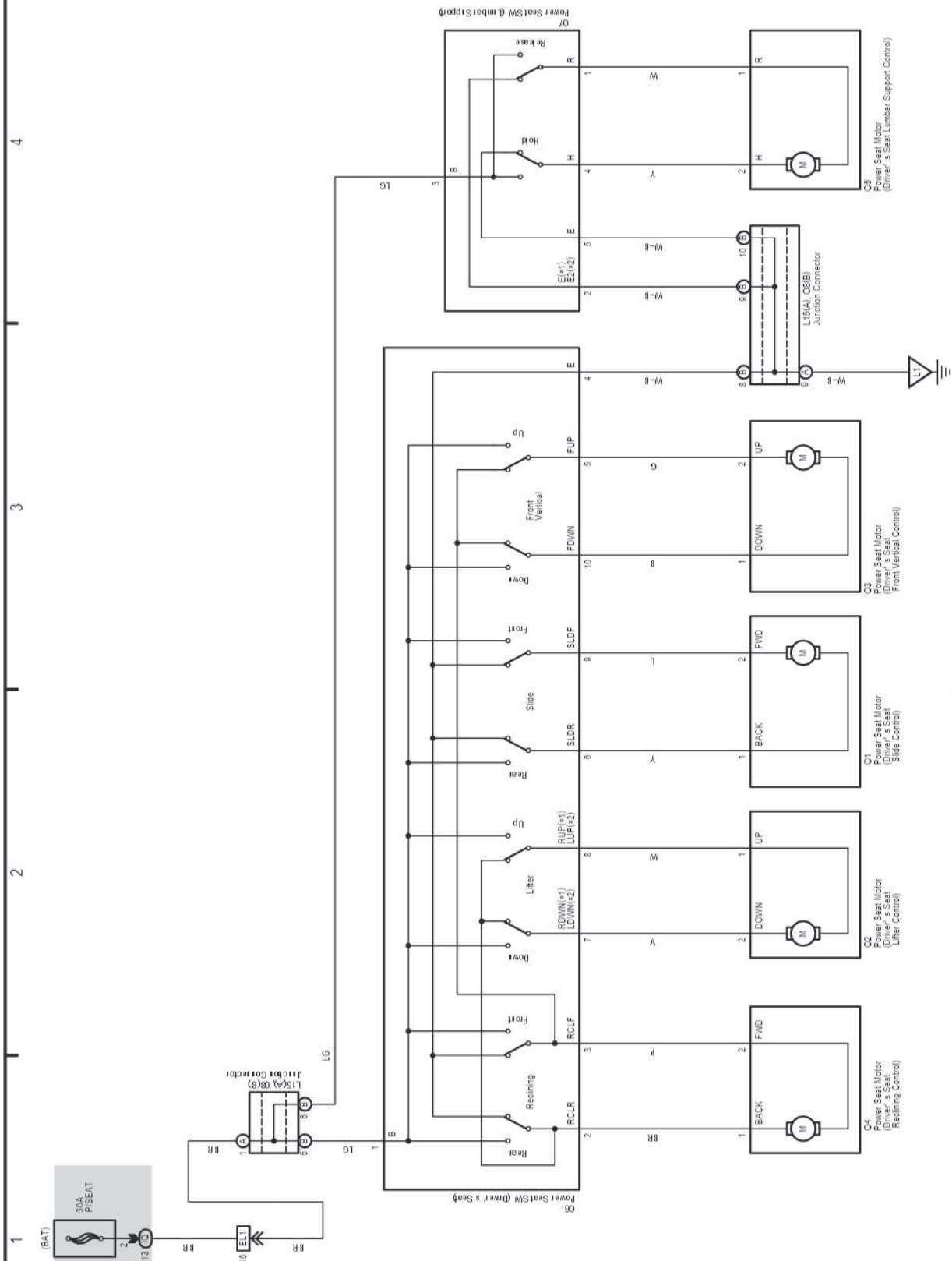
Power Seat (LHD)



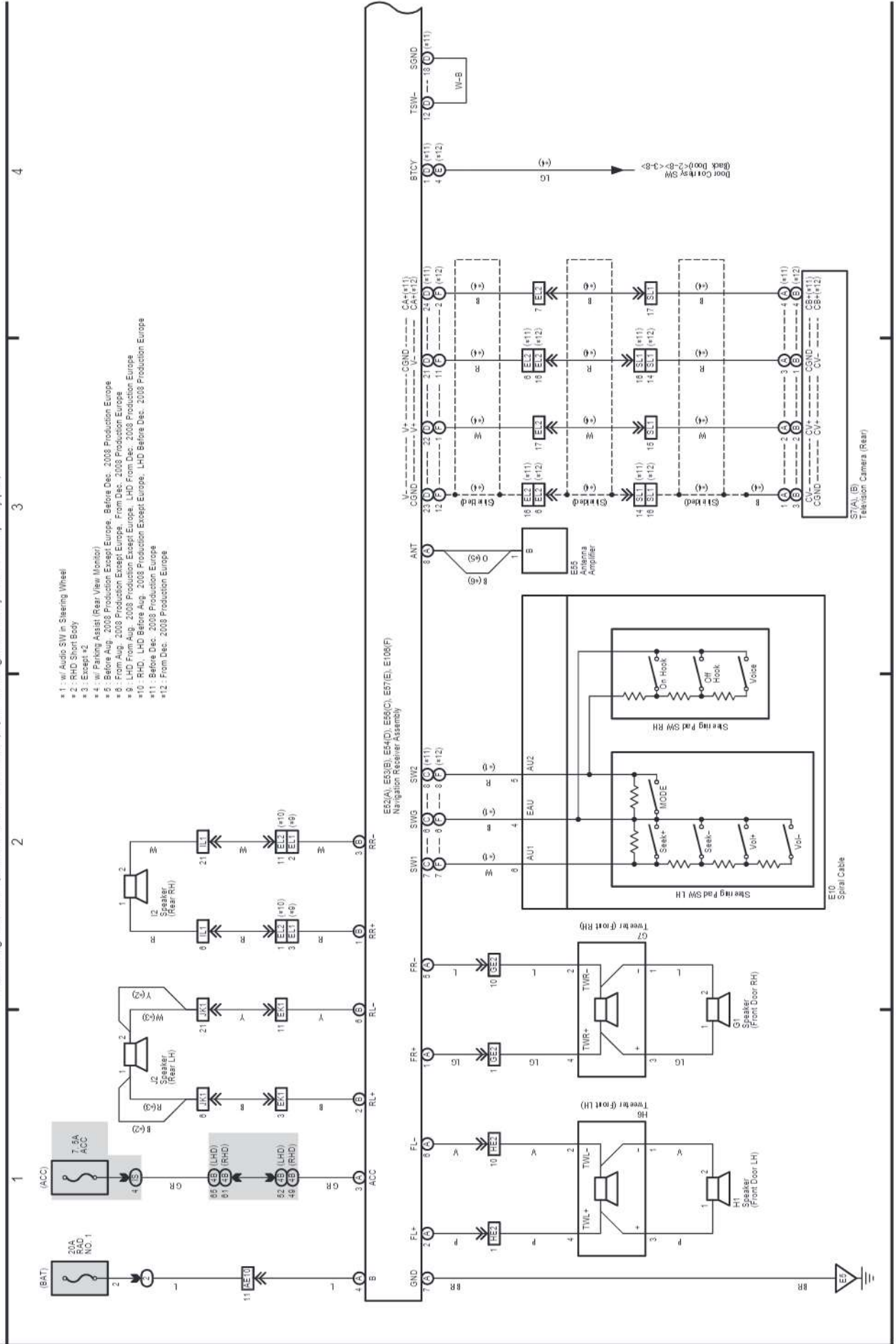
M OVERALL ELECTRICAL WIRING DIAGRAM

Power Seat (RHD)

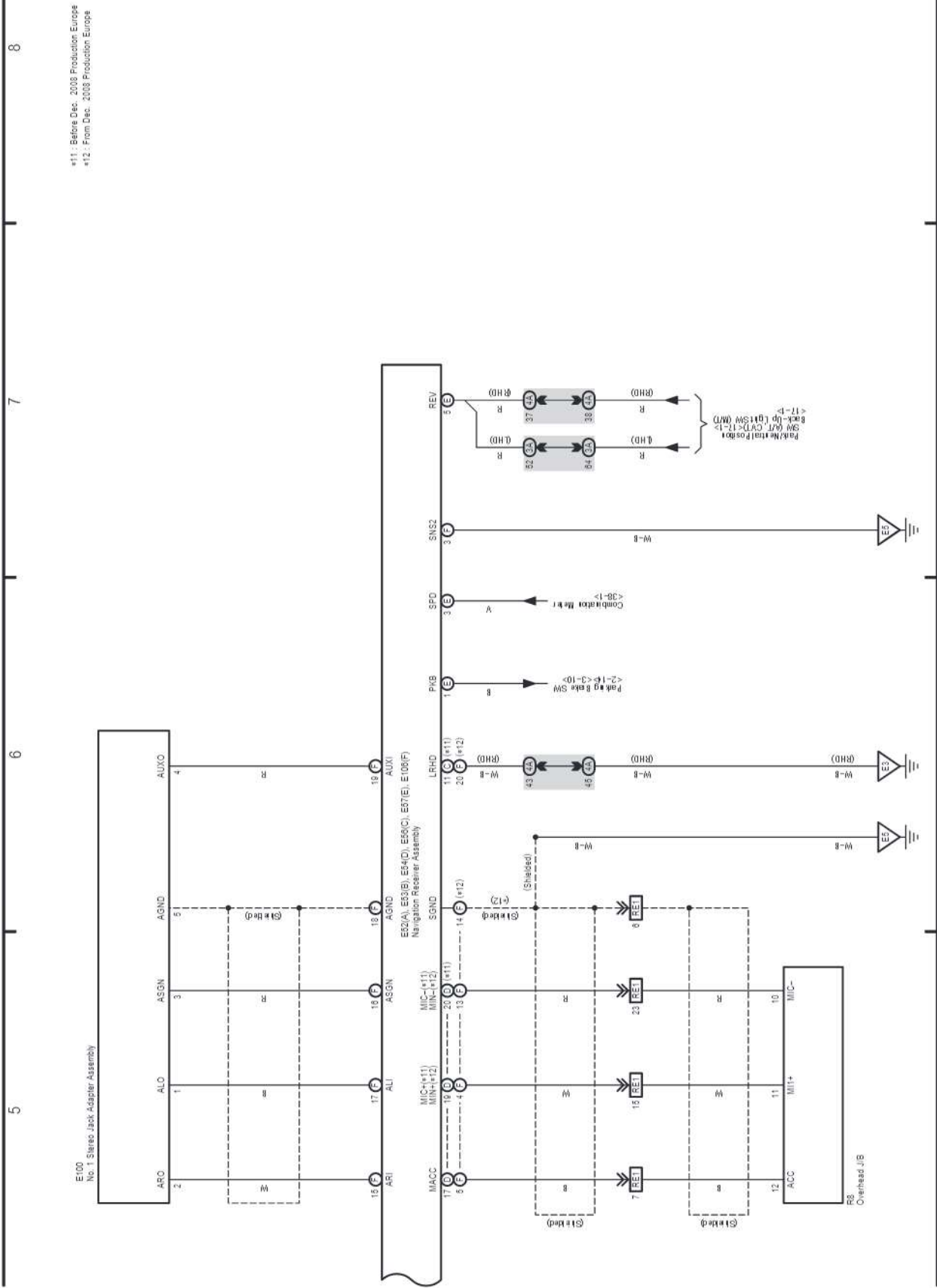
* 1 : Before Aug. 2008 Production Except Europe. Before Dec. 2008 Production Europe
* 2 : From Aug. 2008 Production Except Europe. From Dec. 2008 Production Europe



Audio System (w/ Navigation System Map Type), Navigation System (Map Type) and Parking Assist (Rear View Monitor) (w/ Navigation System Map Type)

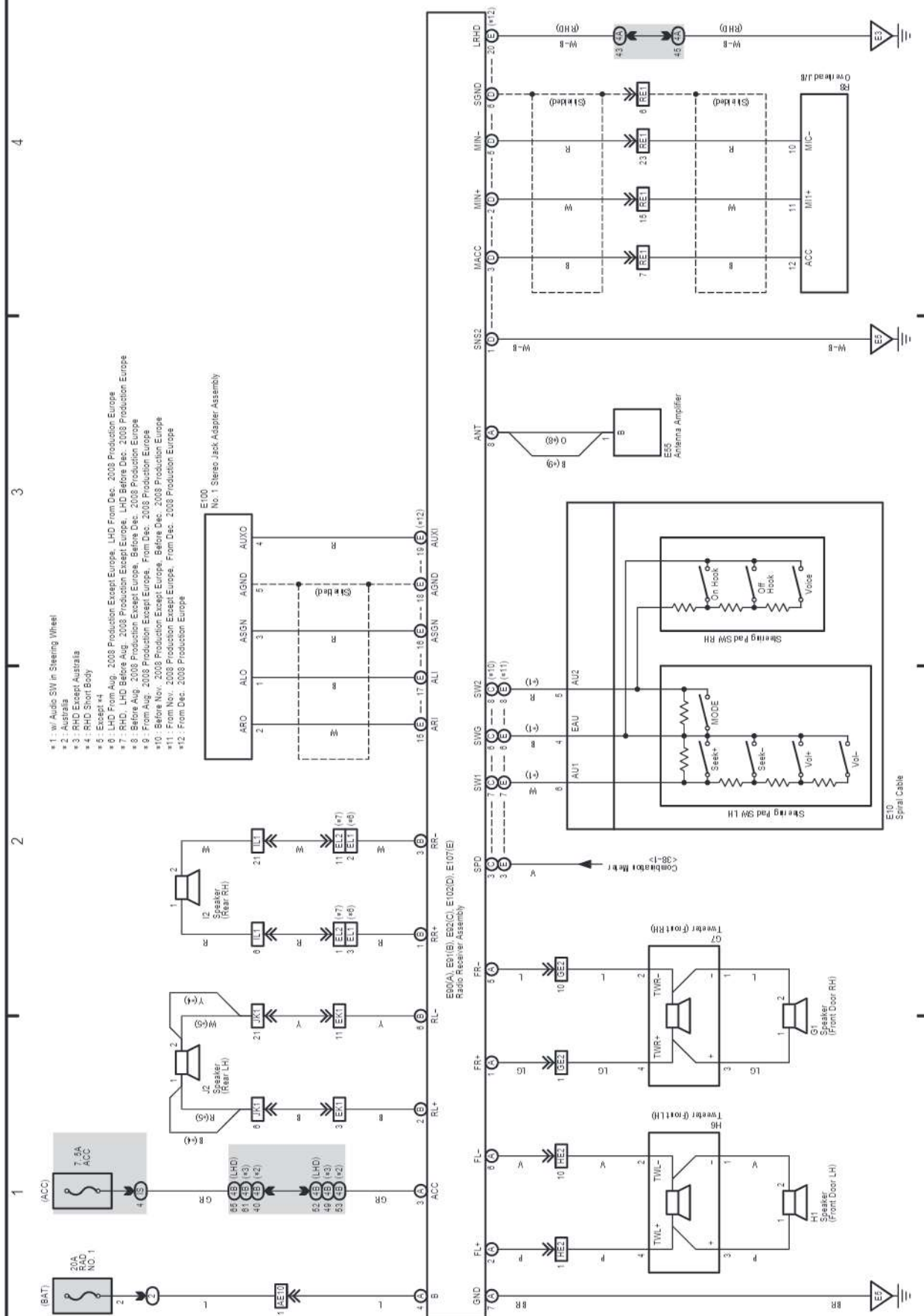


Audio System (w/ Navigation System Map Type), Navigation System (Map Type) and
Parking Assist (Rear View Monitor) (w/ Navigation System Map Type)



M OVERALL ELECTRICAL WIRING DIAGRAM

Audio System (w/o Navigation System Map Type) and Navigation System (Turn by Turn Type)

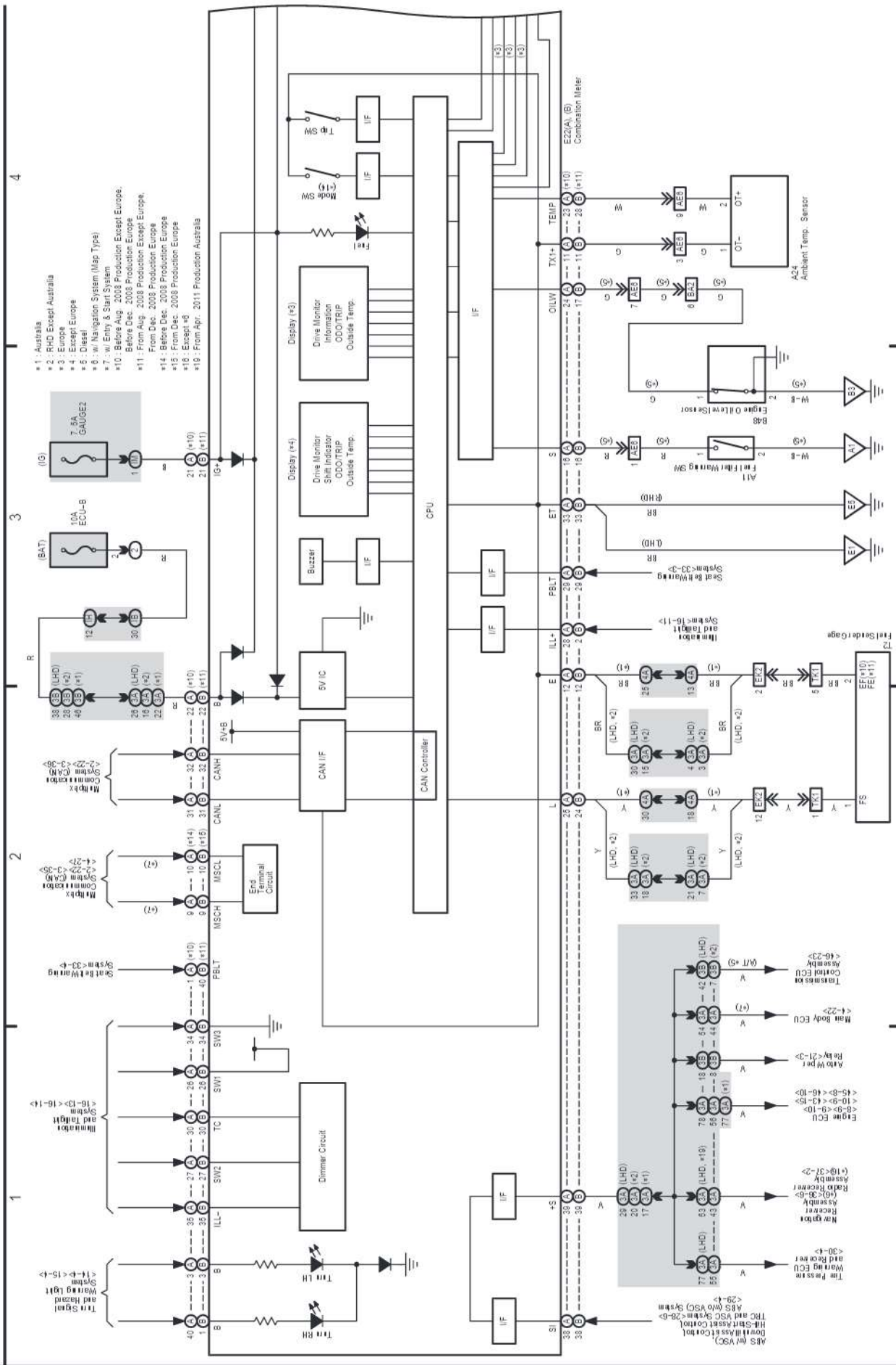


M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

38 TOYOTA RAV4

Combination Meter

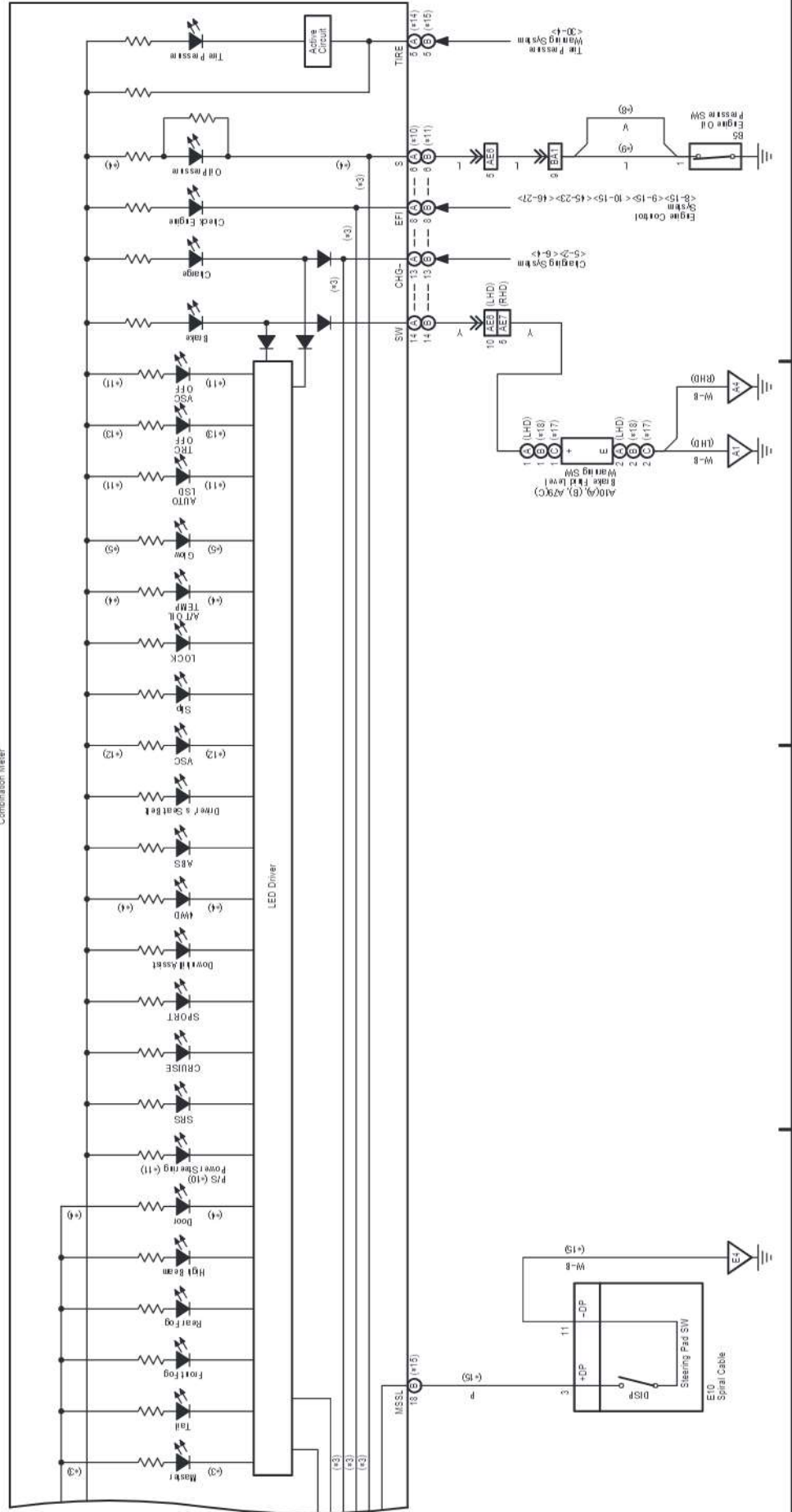


Combination Meter

5 6 7 8

- *3: Europe
- *4: Except Europe
- *5: Diesel
- *6: Except 2GR-FE
- *7: 2GR-FE
- *8: Except 2GR-FE
- *10: Before Aug. 2008 Production Except Europe, Before Dec. 2008 Production Europe
- *11: From Aug. 2008 Production Except Europe, From Dec. 2008 Production Europe
- *12: Before Aug. 2008 Production Except Europe
- *13: From Aug. 2008 Production Except Europe
- *14: Before Dec. 2008 Production Europe
- *15: From Dec. 2008 Production Europe
- *16: RHD w/ Hood Molding
- *17: RHD w/ Hood Molding
- *18: RHD w/o Hood Molding

E22(A), (B)
Combination Meter

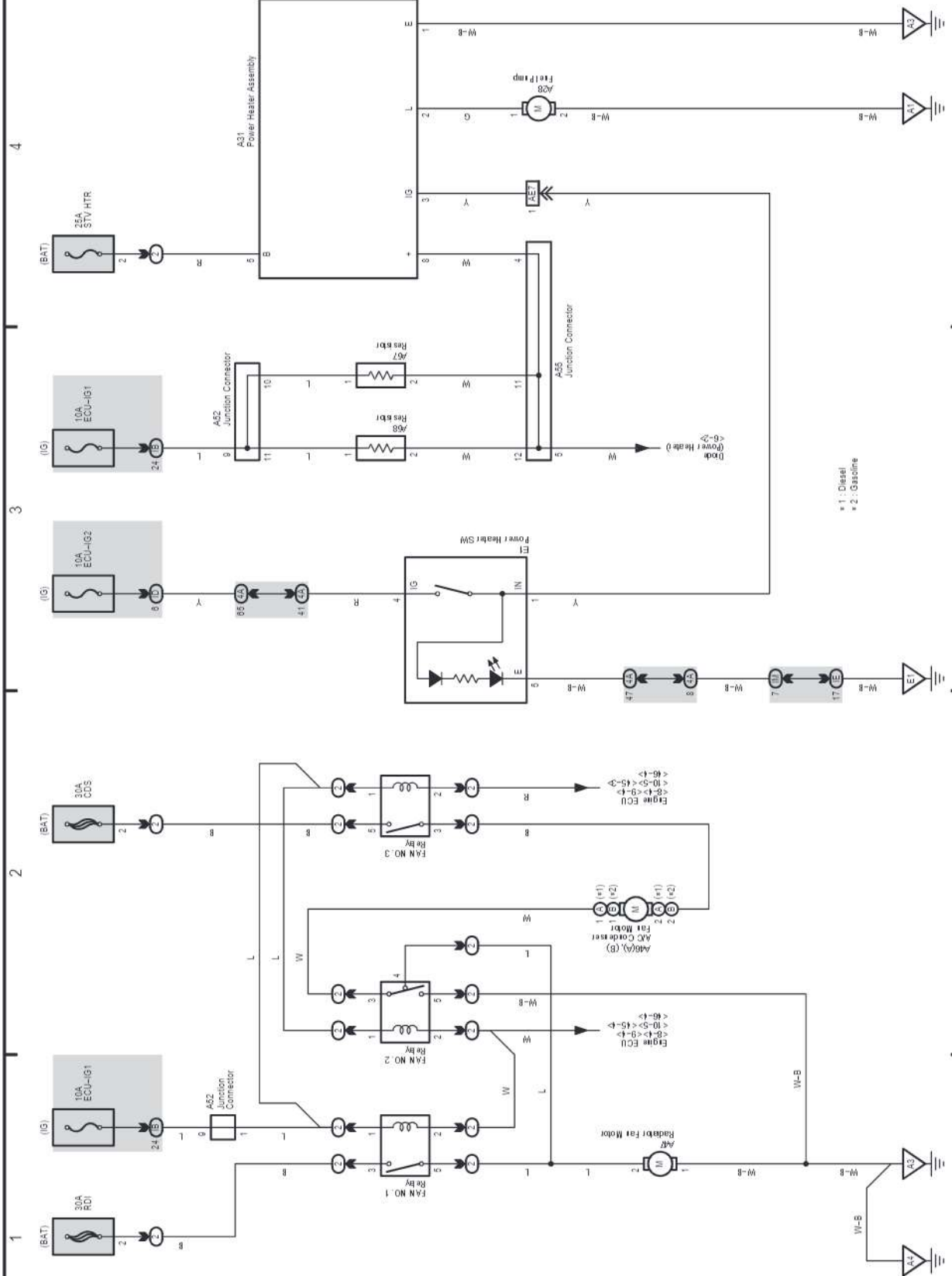


M OVERALL ELECTRICAL WIRING DIAGRAM

39 TOYOTA RAV4

Cooling Fan (Except 2GR-FE)

Power Heater (Combustion Type)



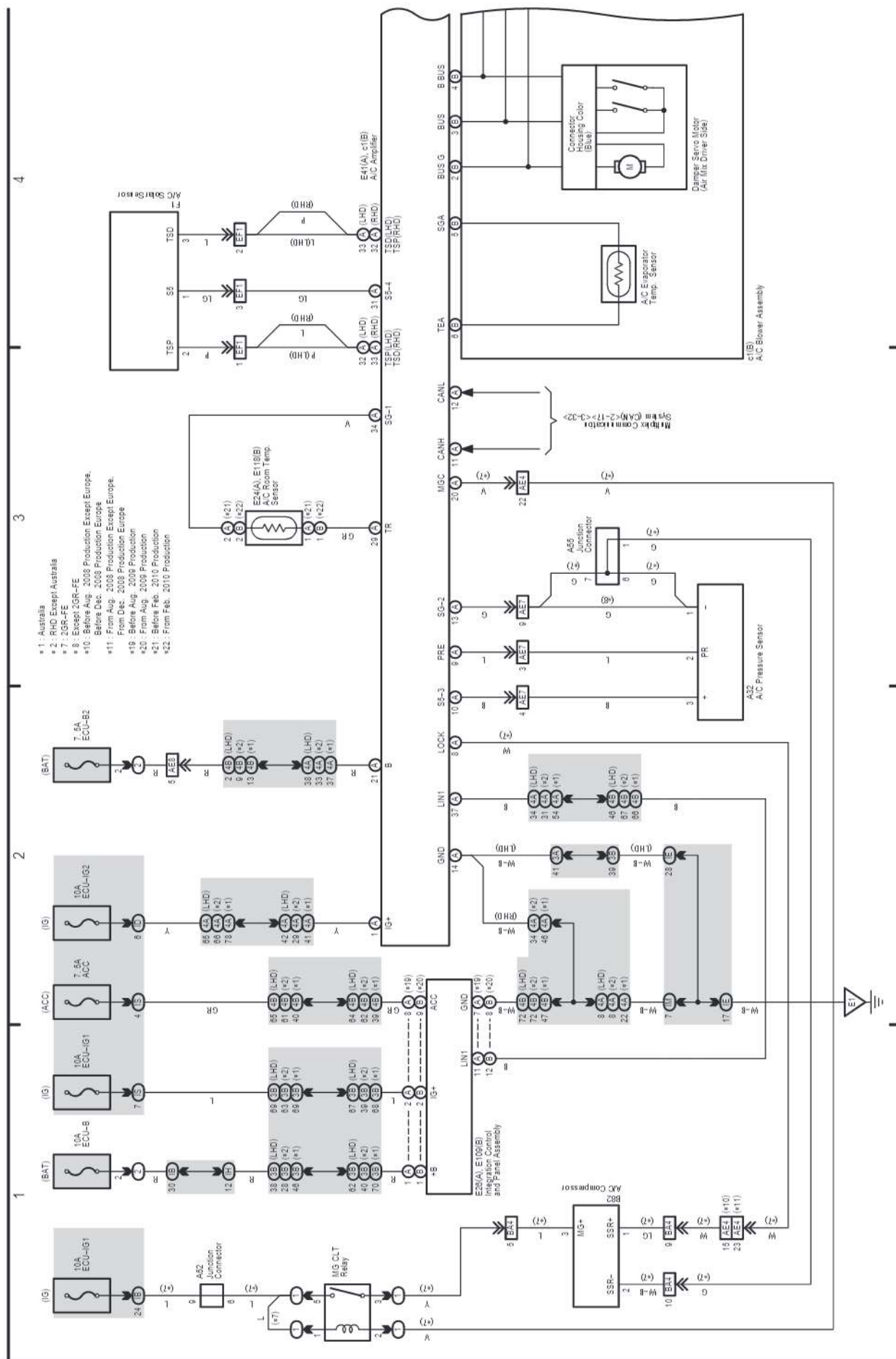
TOYOTA RAV4 (EM01NAE)

M OVERALL ELECTRICAL WIRING DIAGRAM

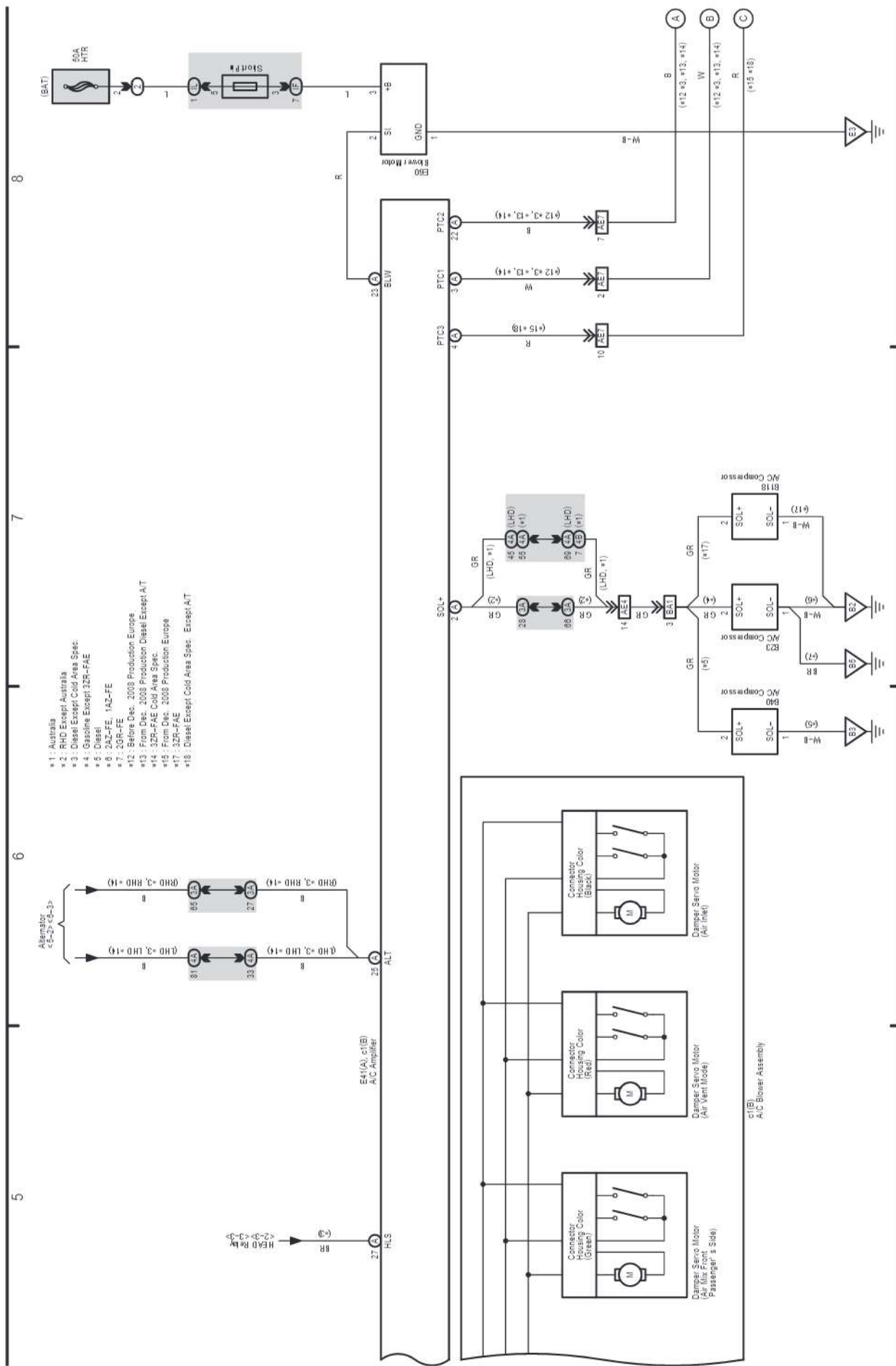
(Cont. next page)

40 TOYOTA RAV4

Automatic Air Conditioner



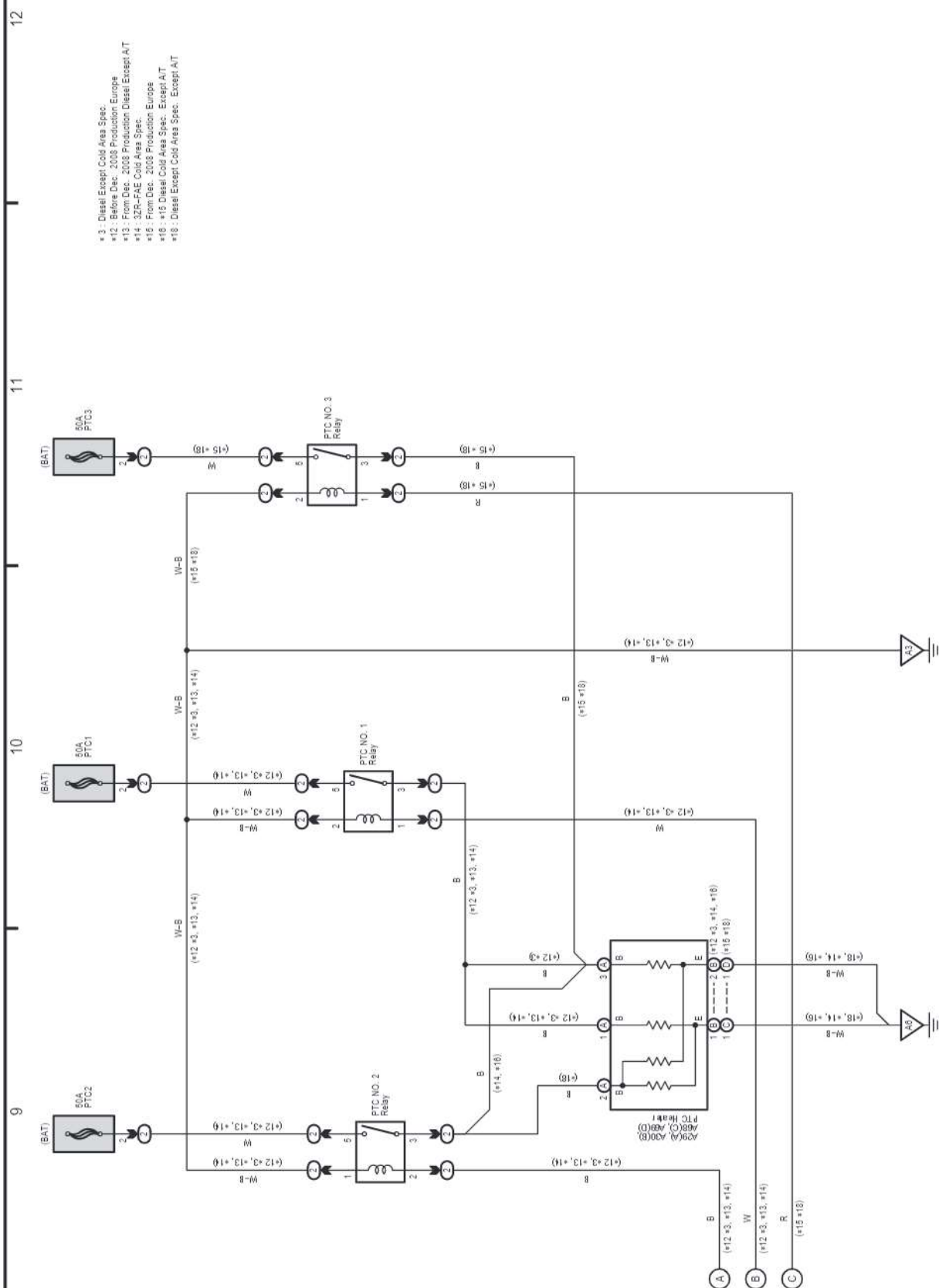
Automatic Air Conditioner



M OVERALL ELECTRICAL WIRING DIAGRAM

40 TOYOTA RAV4 (Cont' d)

Automatic Air Conditioner

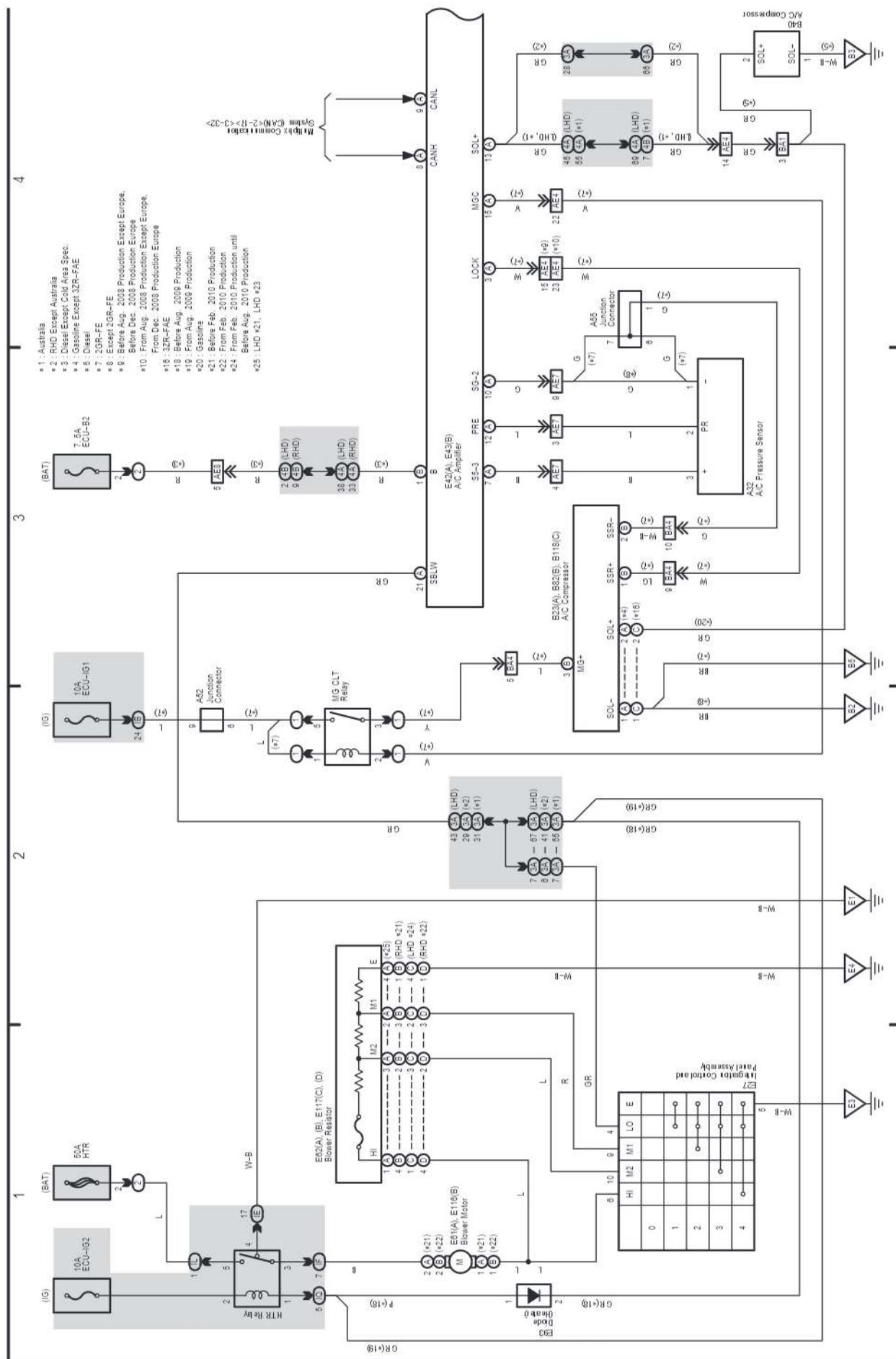


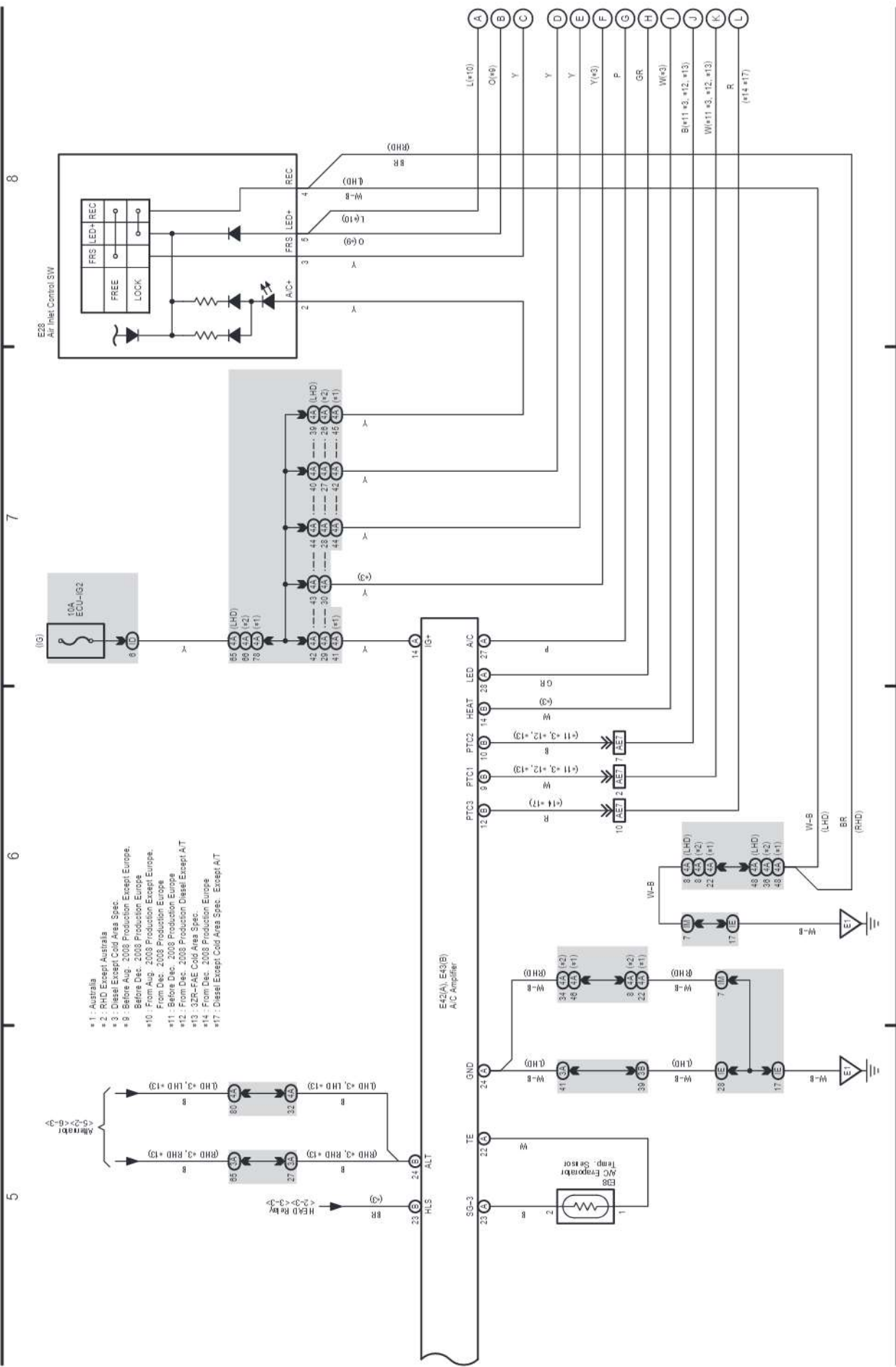
M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

41 TOYOTA RAV4

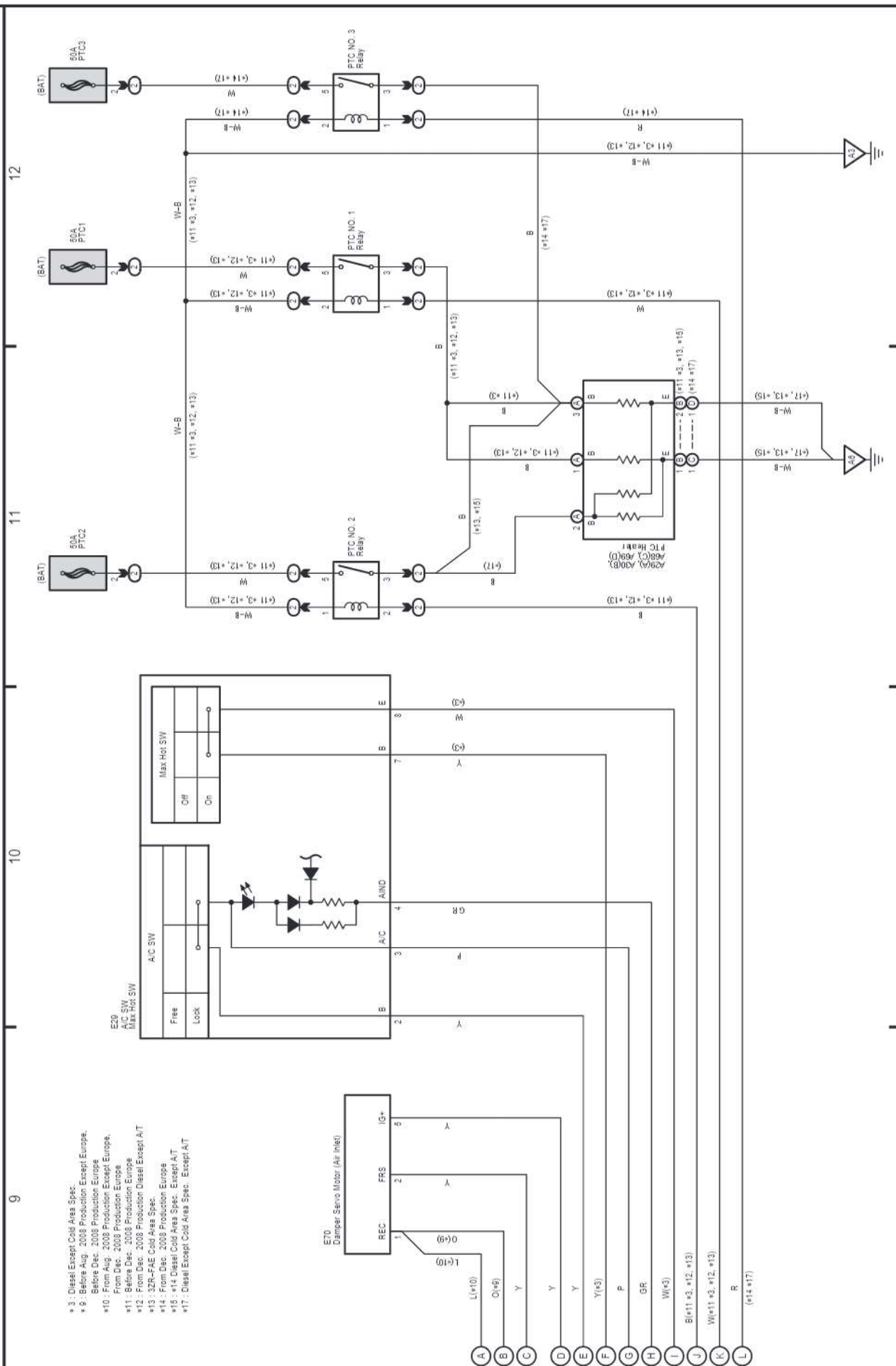
Manual Air Conditioner





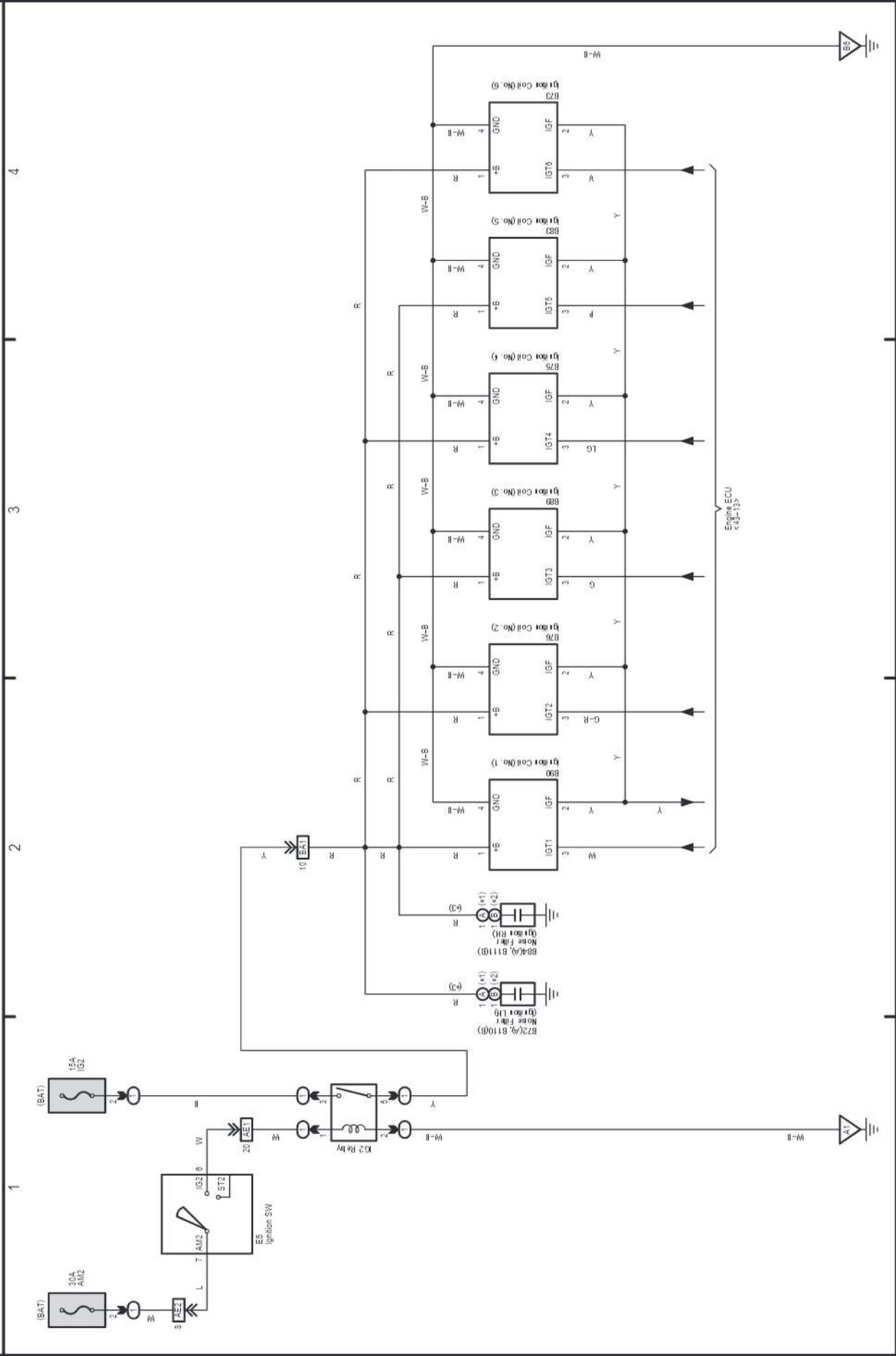
M OVERALL ELECTRICAL WIRING DIAGRAM

Manual Air Conditioner



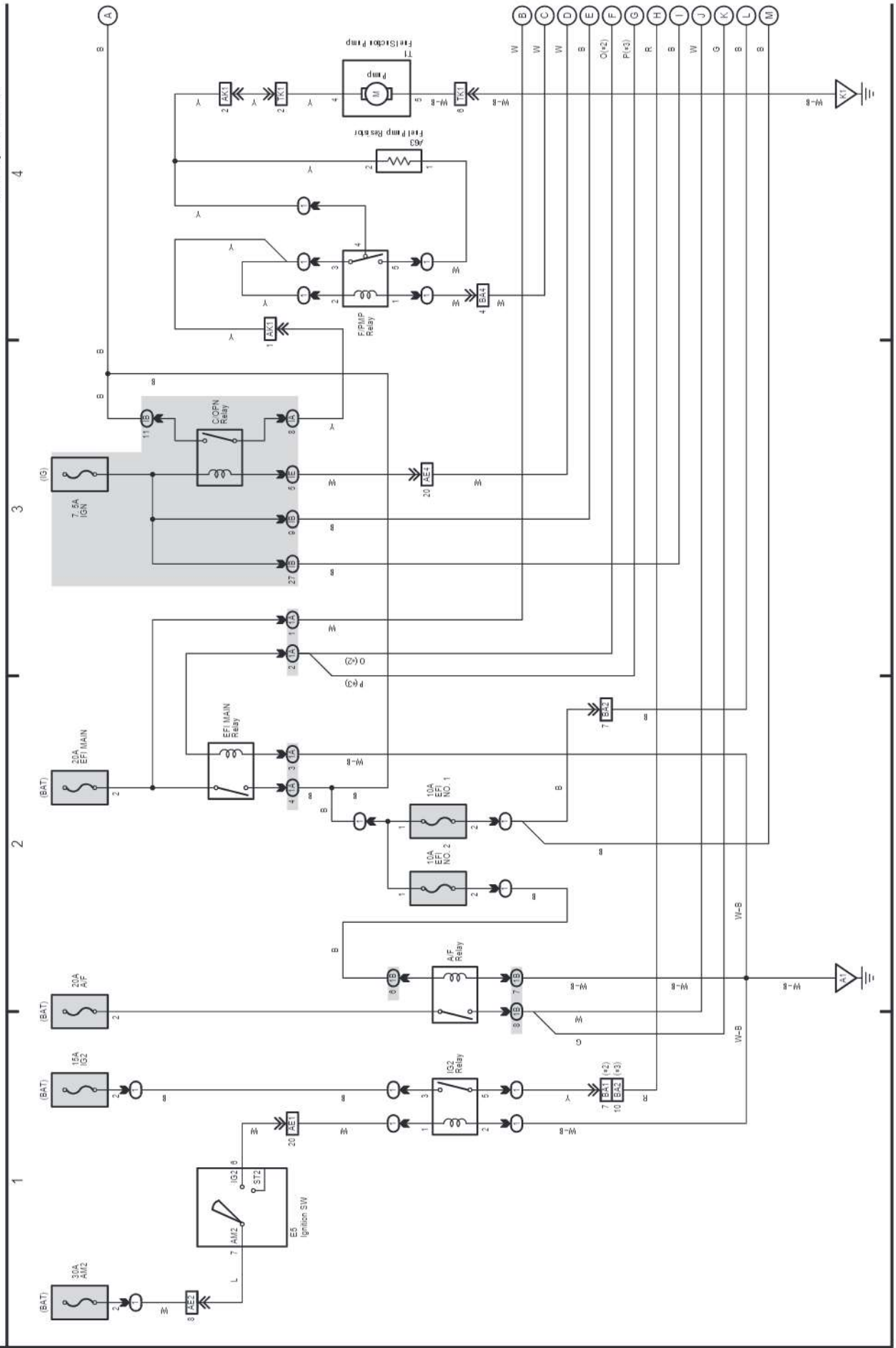
Ignition (2GR-FE)

* 1 - Before Aug. 2008 Production
 * 2 - From Aug. 2008 Production until Aug. 2008 Production
 * 3 - Before Aug. 2008 Production



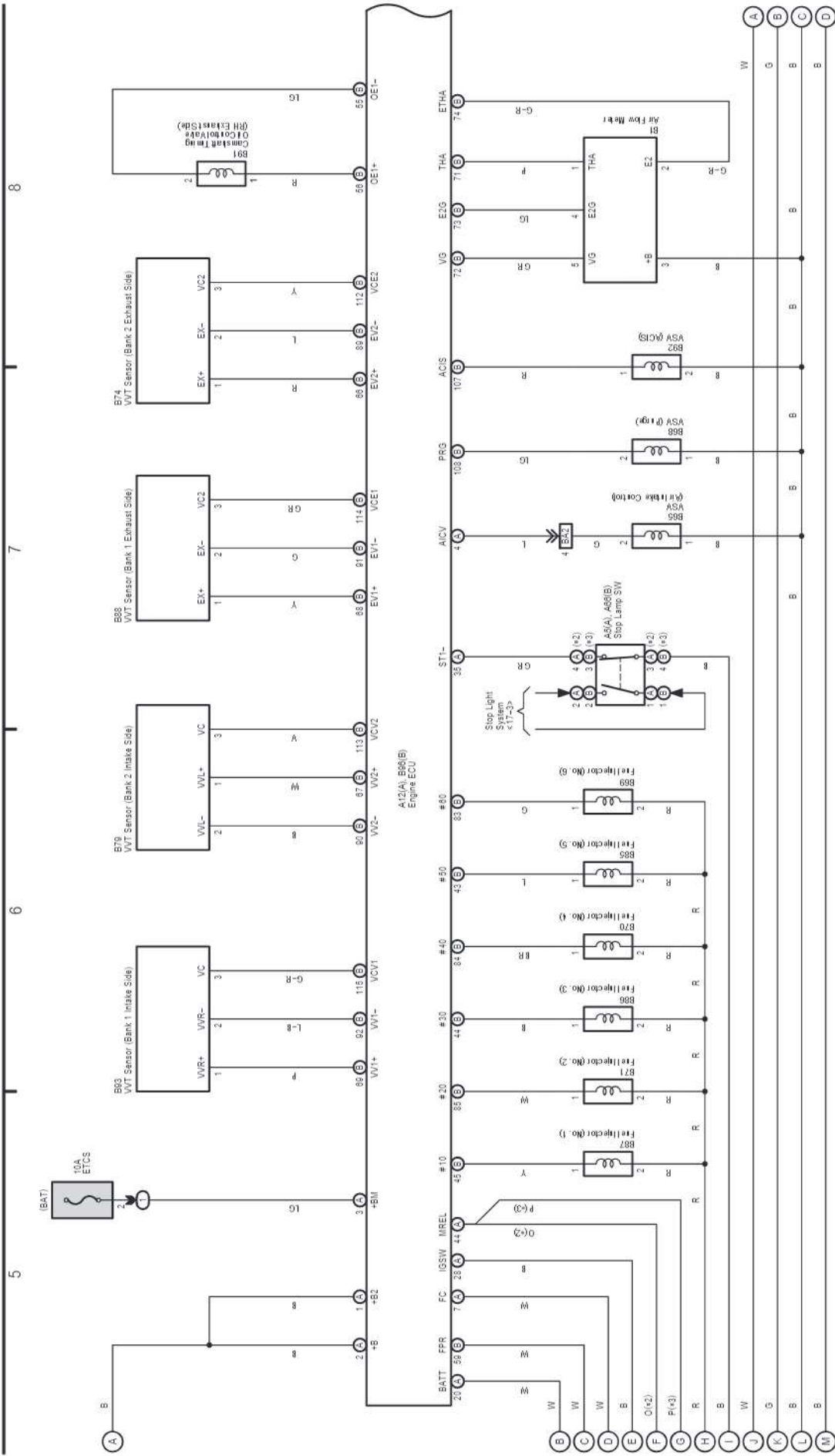
Engine Control (2GR-FE)

* 2 : Before Aug. 2008 Production
* 3 : From Aug. 2008 Production



Engine Control (2GR-FE)

* 2: Before Aug. 2009 Production
* 3: From Aug. 2009 Production

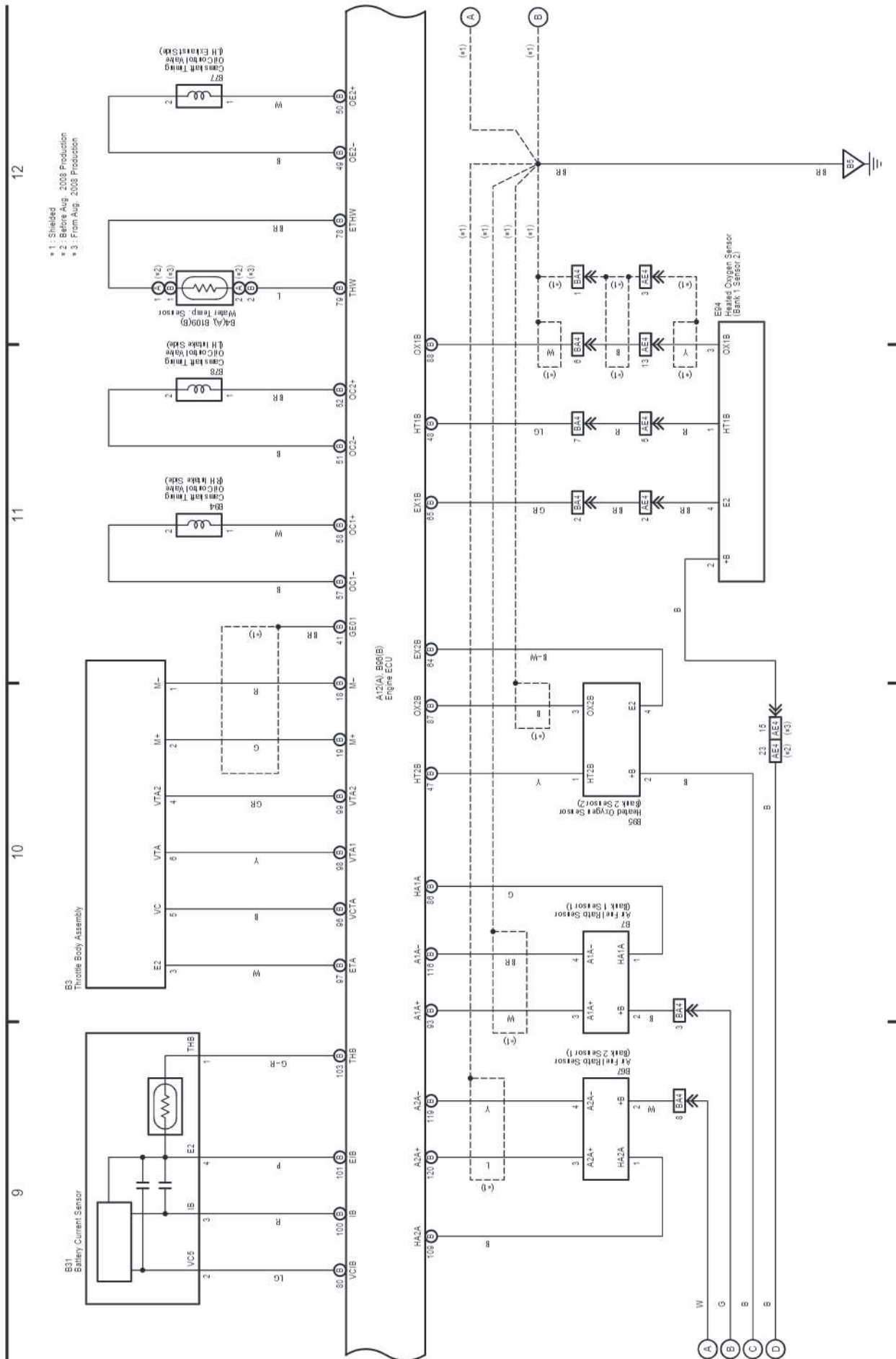


M OVERALL ELECTRICAL WIRING DIAGRAM

43 TOYOTA RAV4 (Cont' d)

(Cont. next page)

Engine Control (2GR-FE)



Engine Control (2GR-FE)

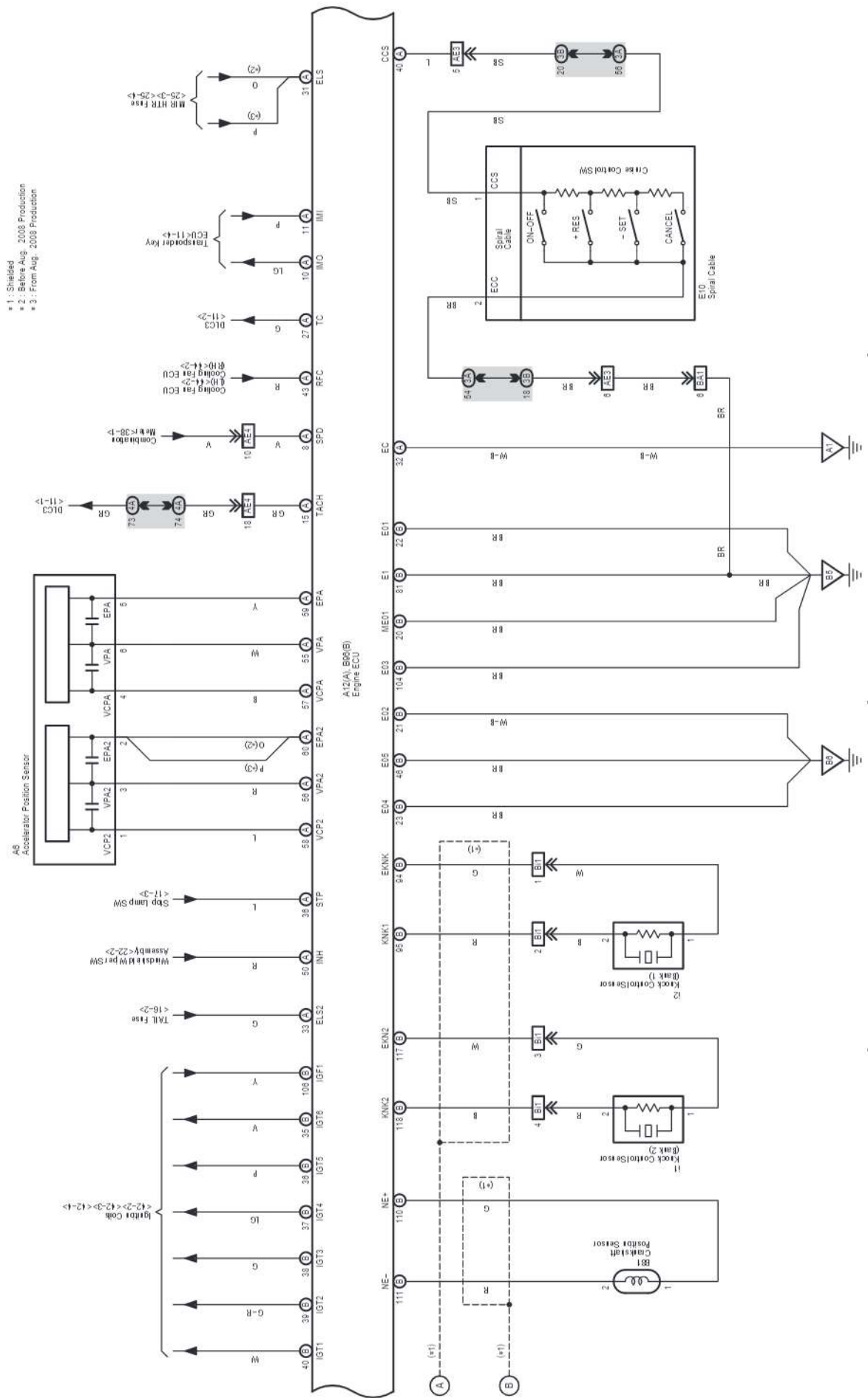
Cruise Control (2GR-FE)

13

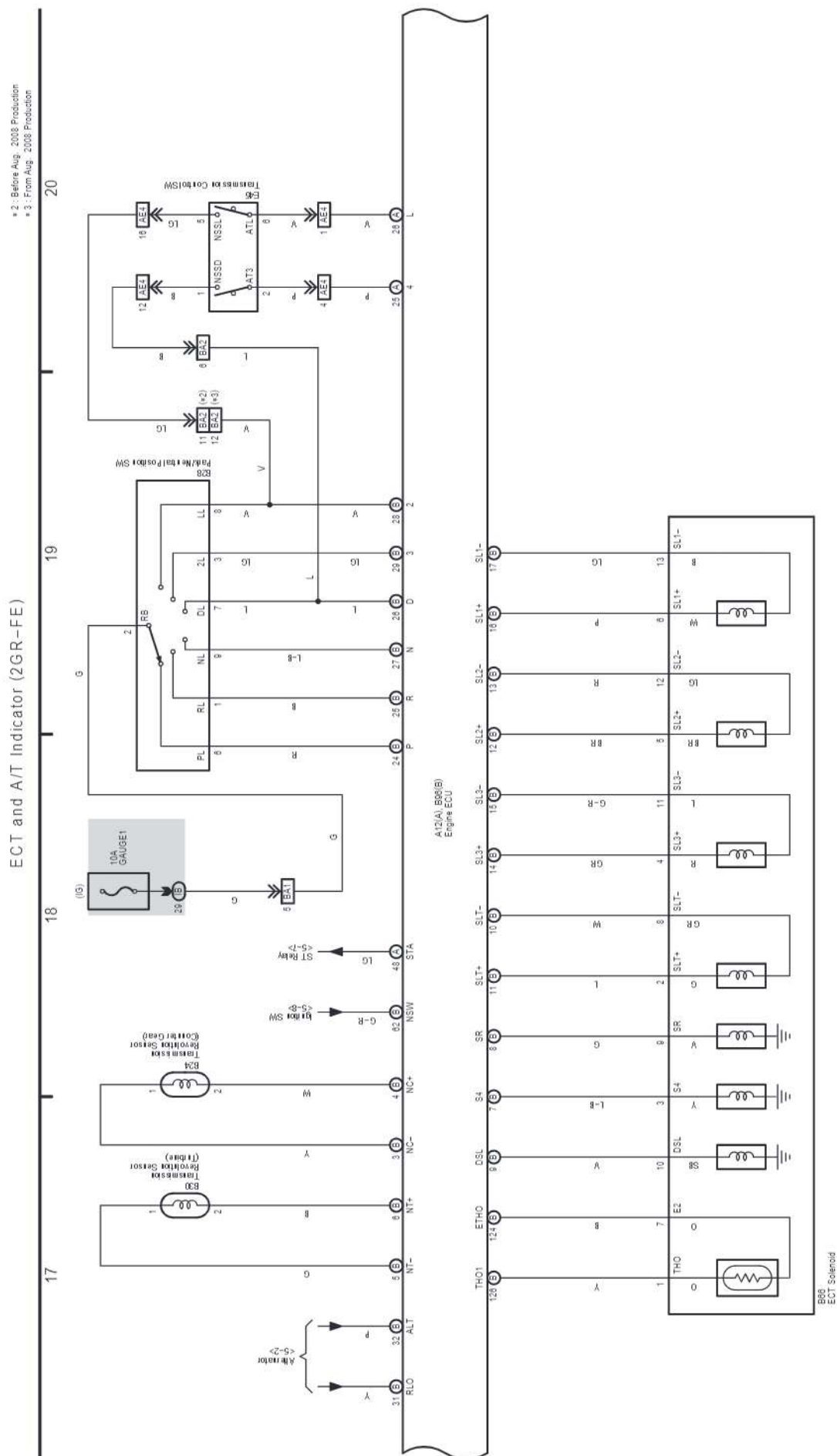
14

15

16



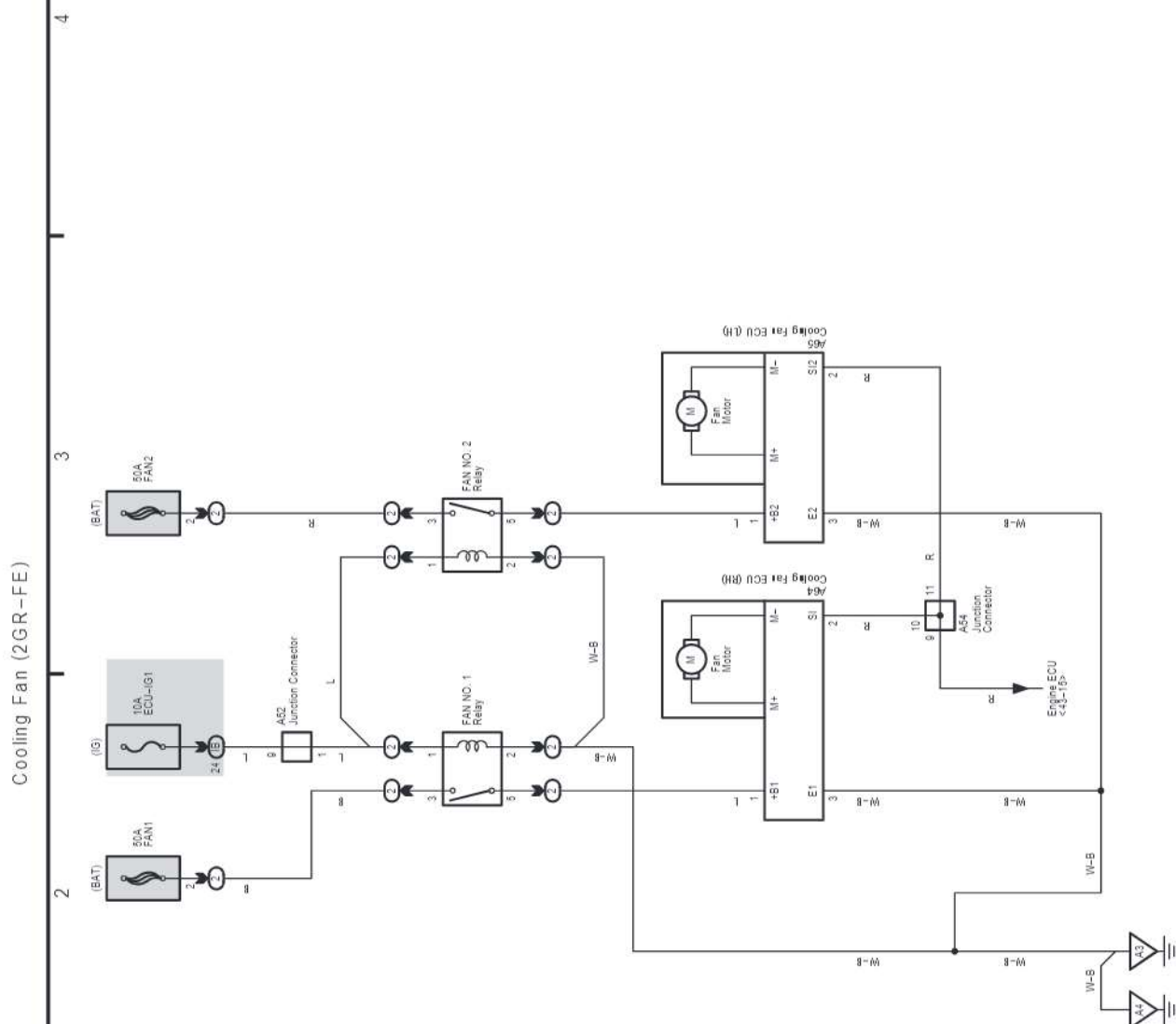
M OVERALL ELECTRICAL WIRING DIAGRAM



24



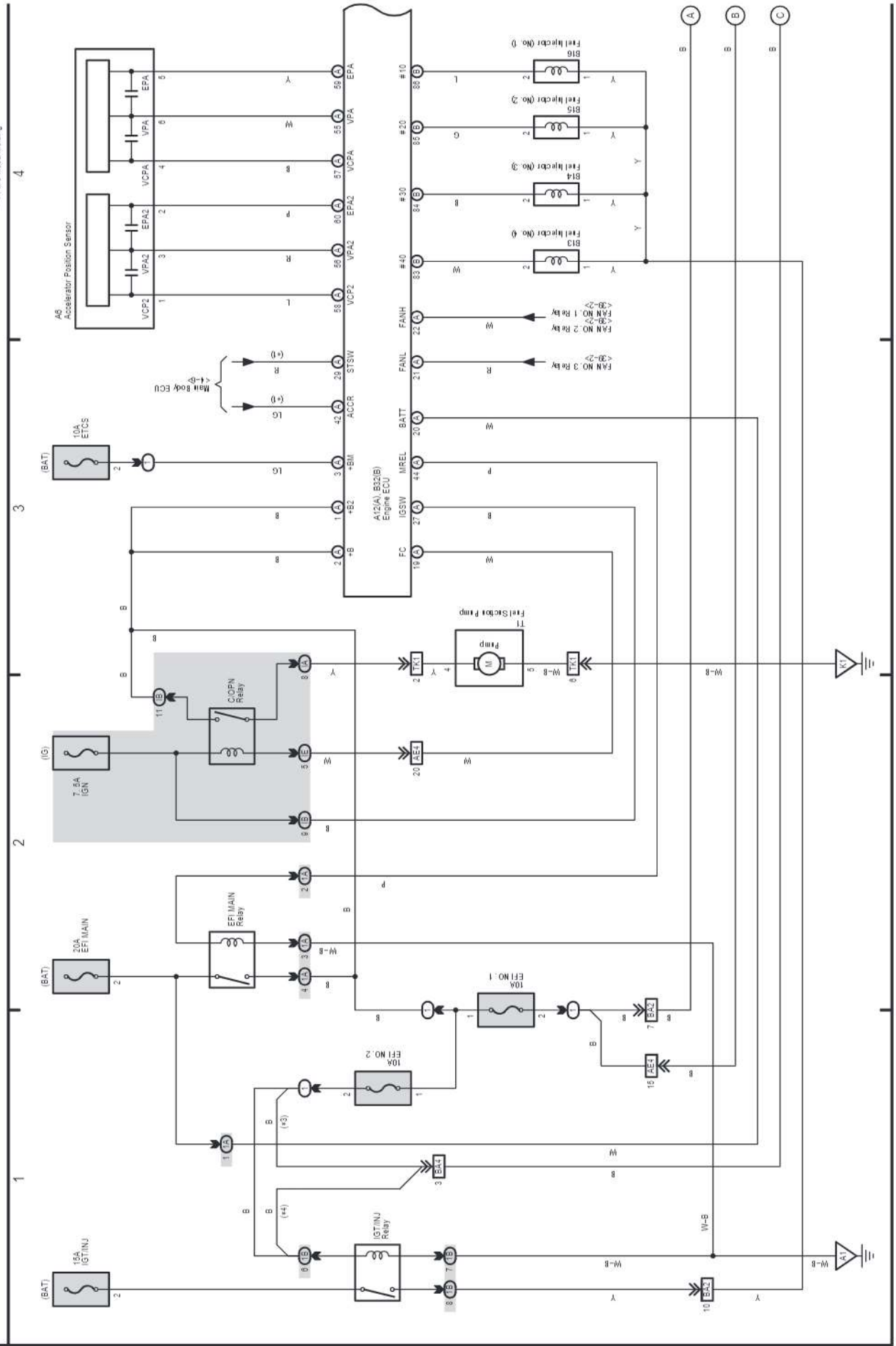
M OVERALL ELECTRICAL WIRING DIAGRAM



M OVERALL ELECTRICAL WIRING DIAGRAM

* 1 : w/ Entry & Start System
* 3 : w/ Hood Molding
* 4 : w/o Hood Molding

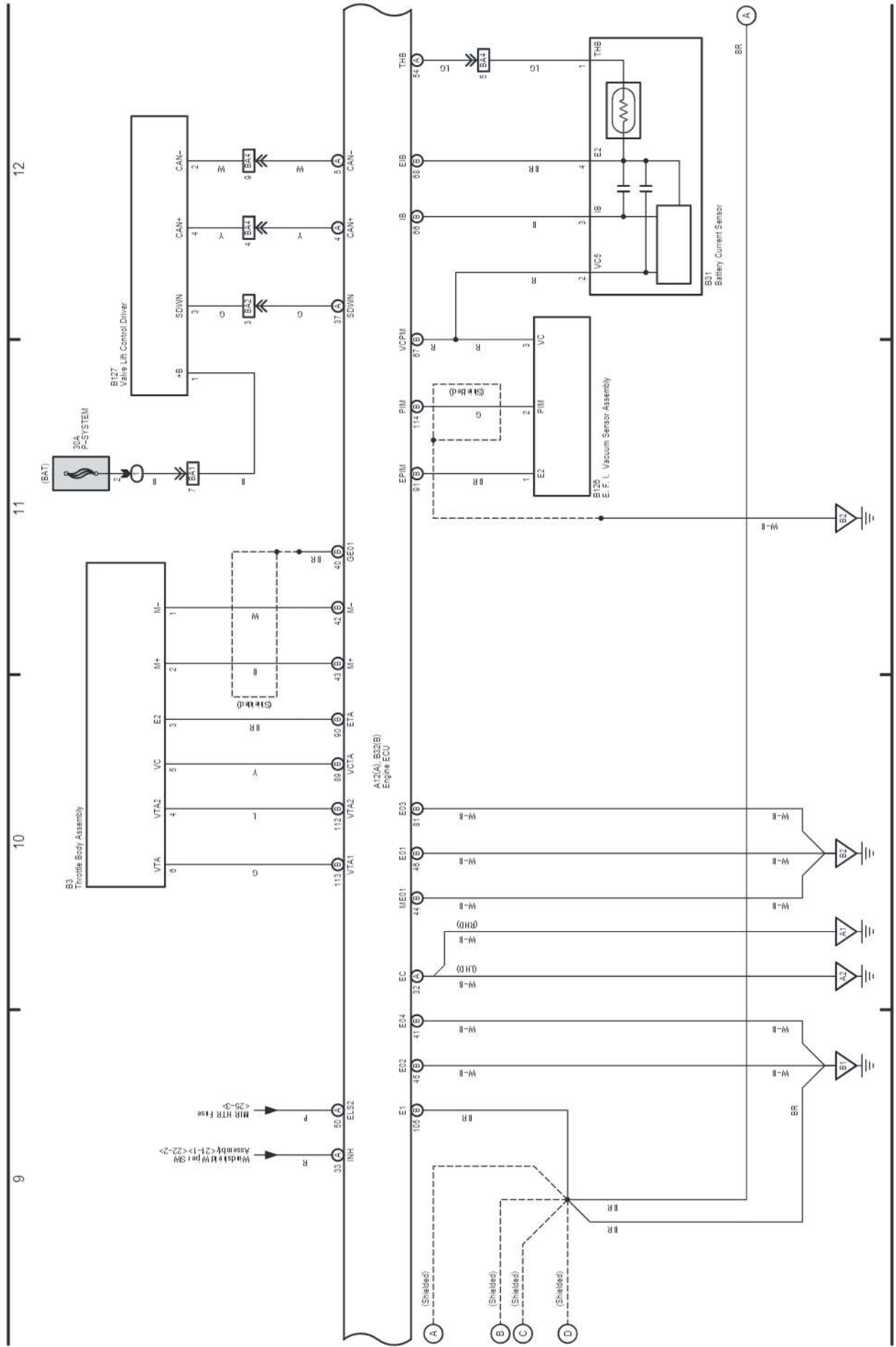
Engine Control (3ZR-FAE)

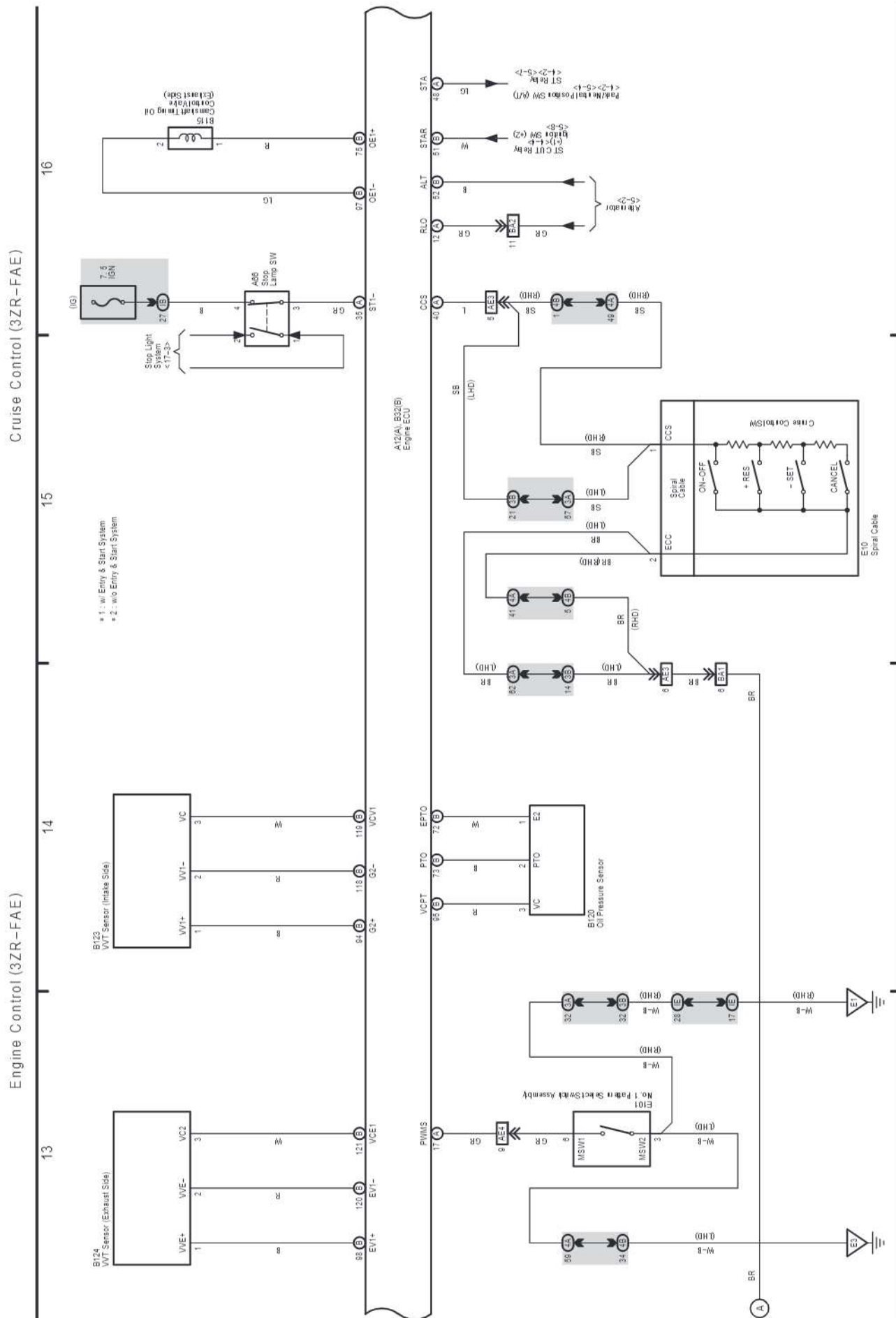




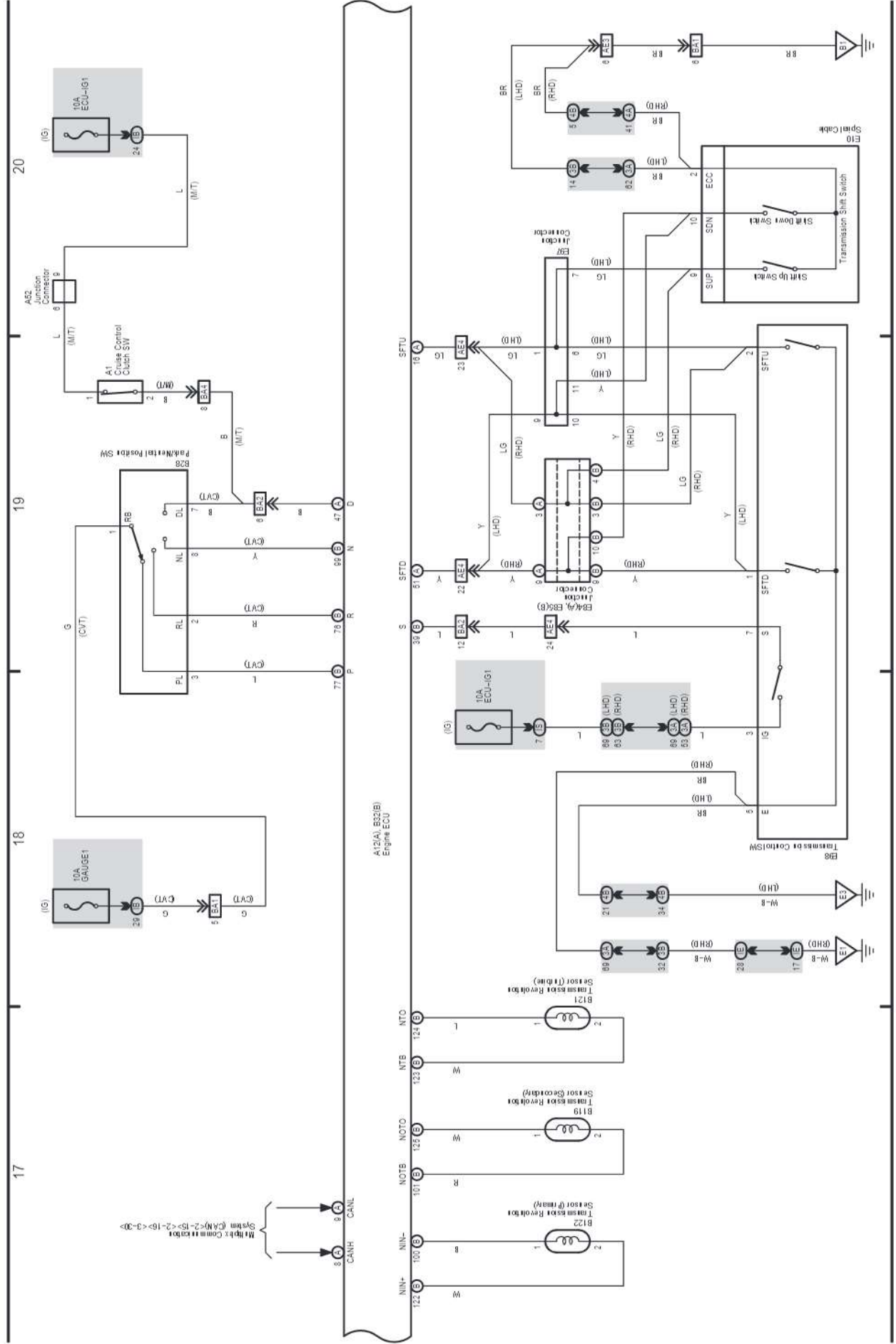
M OVERALL ELECTRICAL WIRING DIAGRAM

Engine Control (3ZR-FAE)

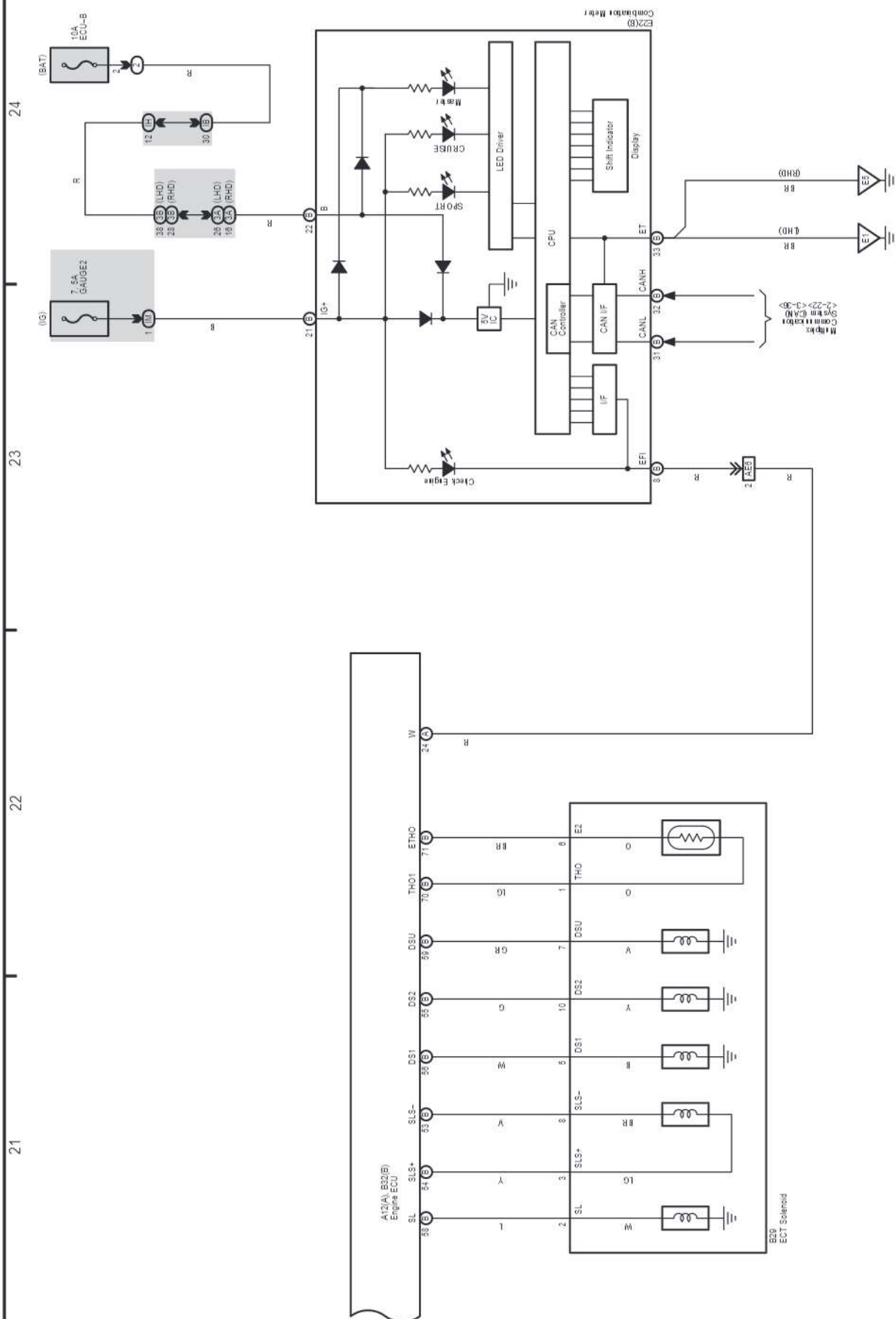




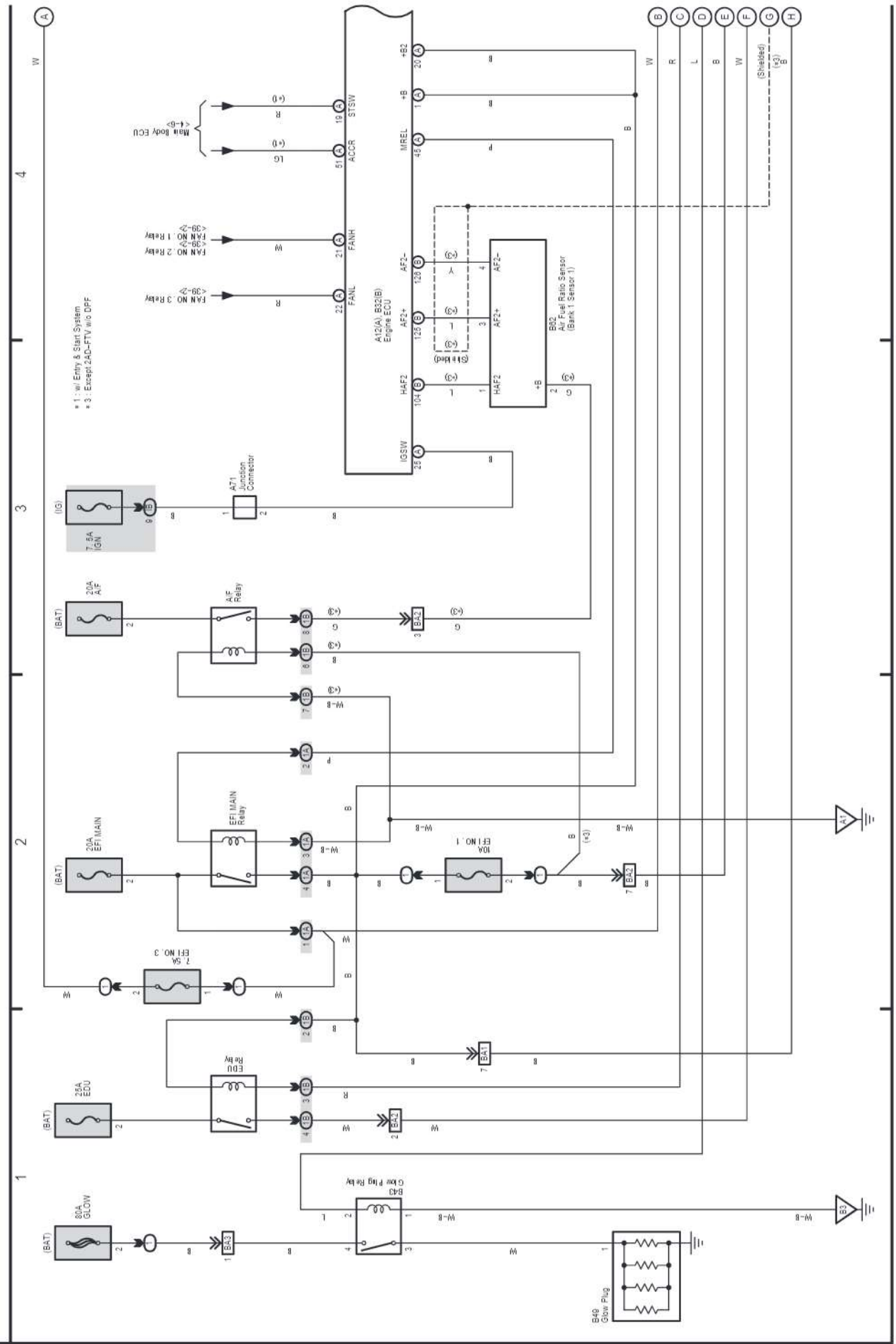
CVT and Shift Indicator



CVT and Shift Indicator

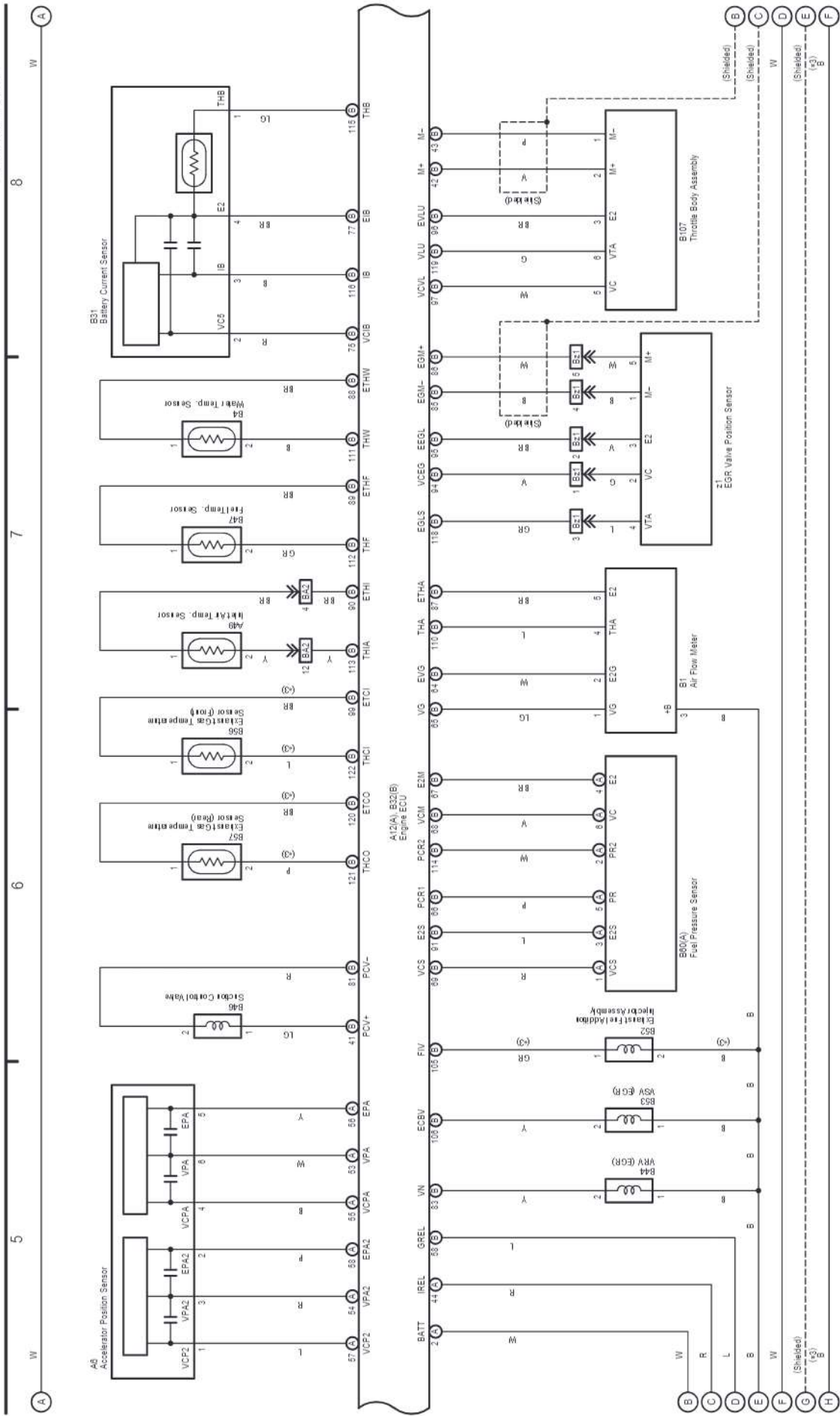


Engine Control (2AD-FHV, 2AD-FTV) (From Dec. 2008 Production)

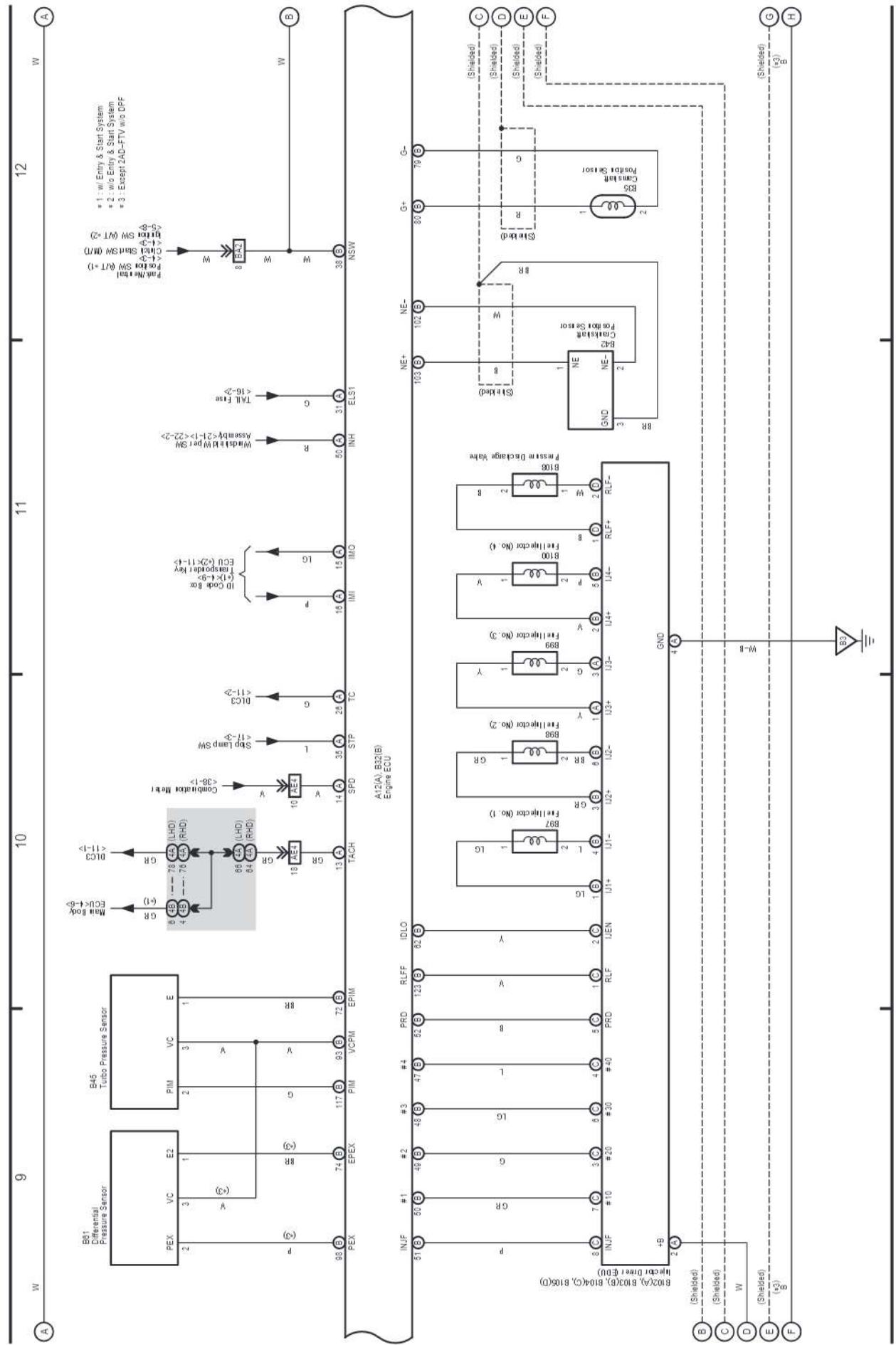


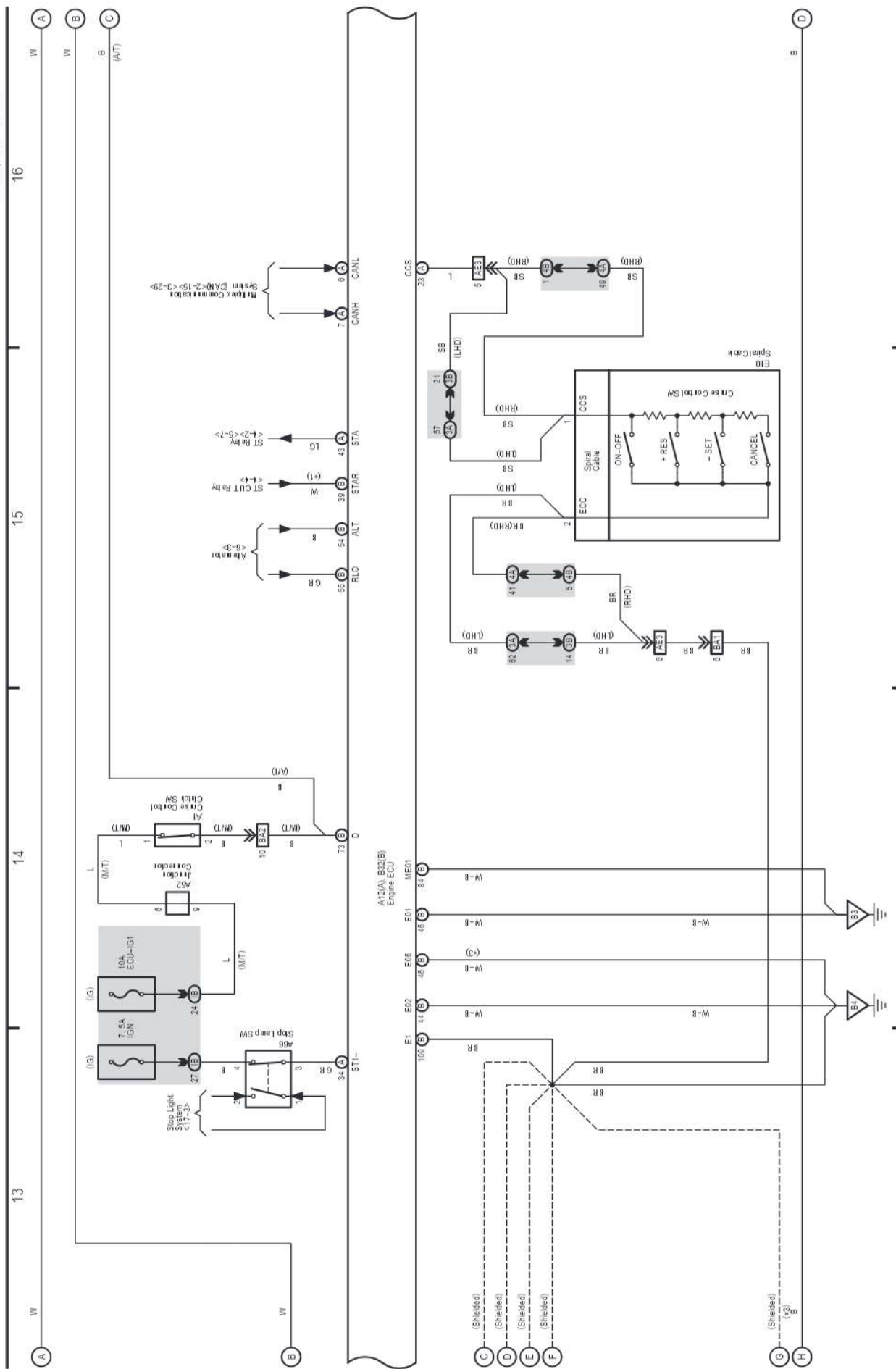
Engine Control (2AD-FHV, 2AD-FTV) (From Dec. 2008 Production)

* 3 : Except 240-FTV with DPF



Engine Control (2AD-FHV, 2AD-FTV) (From Dec. 2008 Production)





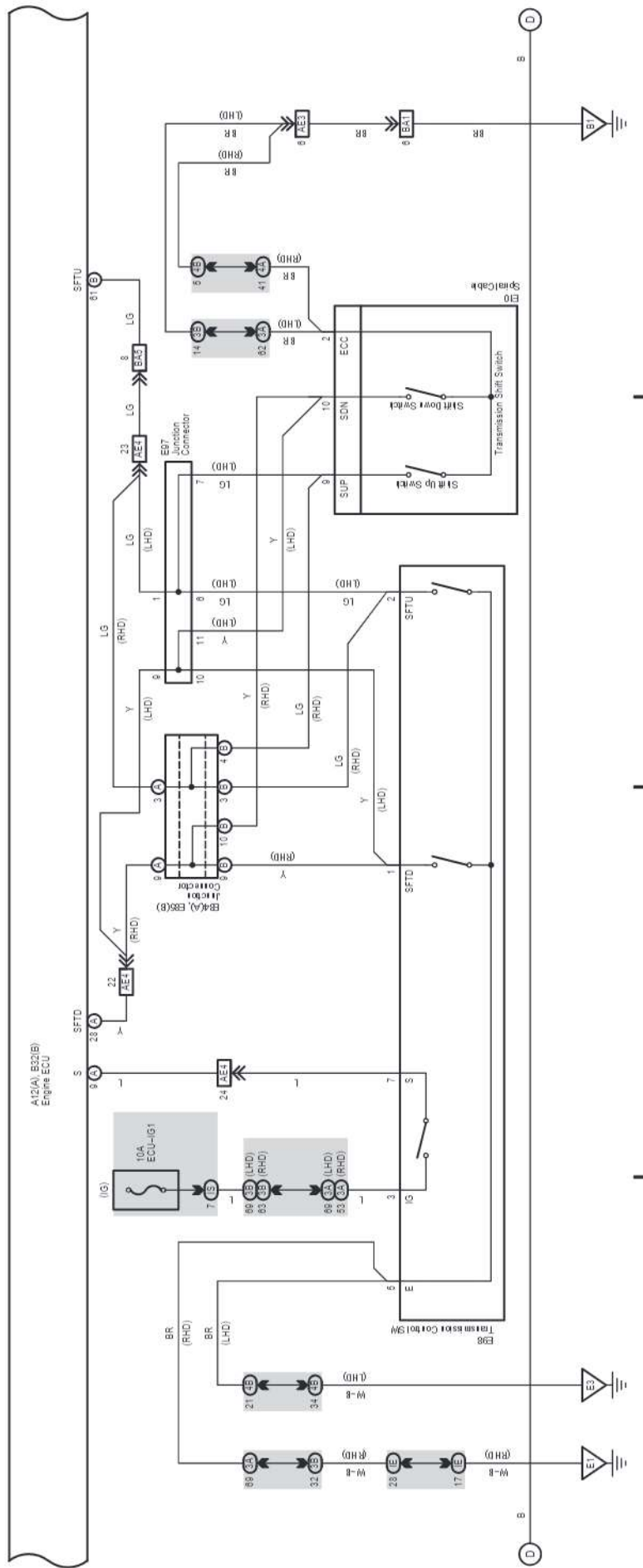
M OVERALL ELECTRICAL WIRING DIAGRAM

46 TOYOTA RAV4 (Cont' d)

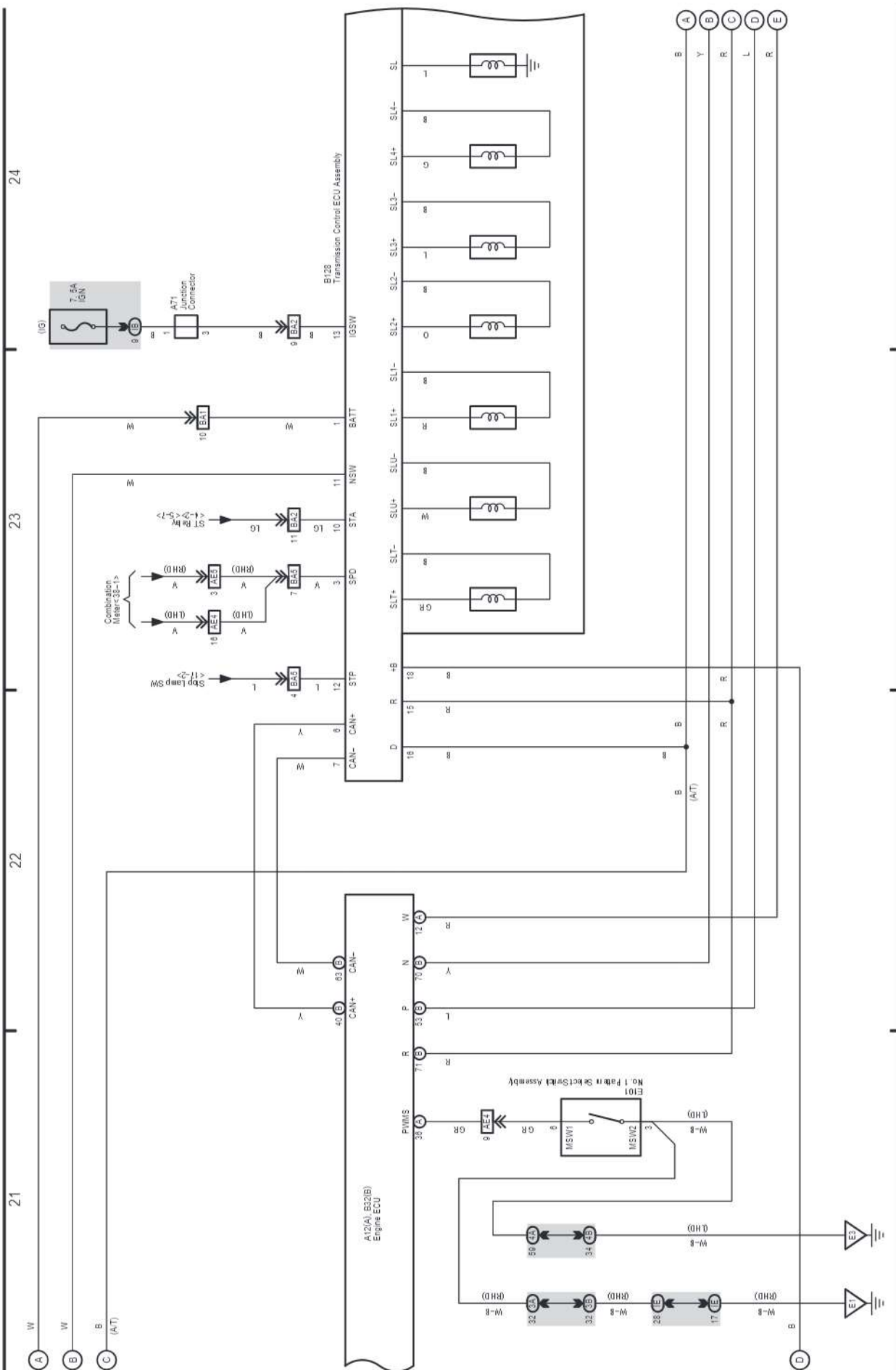
(Cont. next page)

ECT and A/T Indicator (2AD-FHV)

17	18	19	20
W			W
W			W
B			B
(A/T)			(A/T)

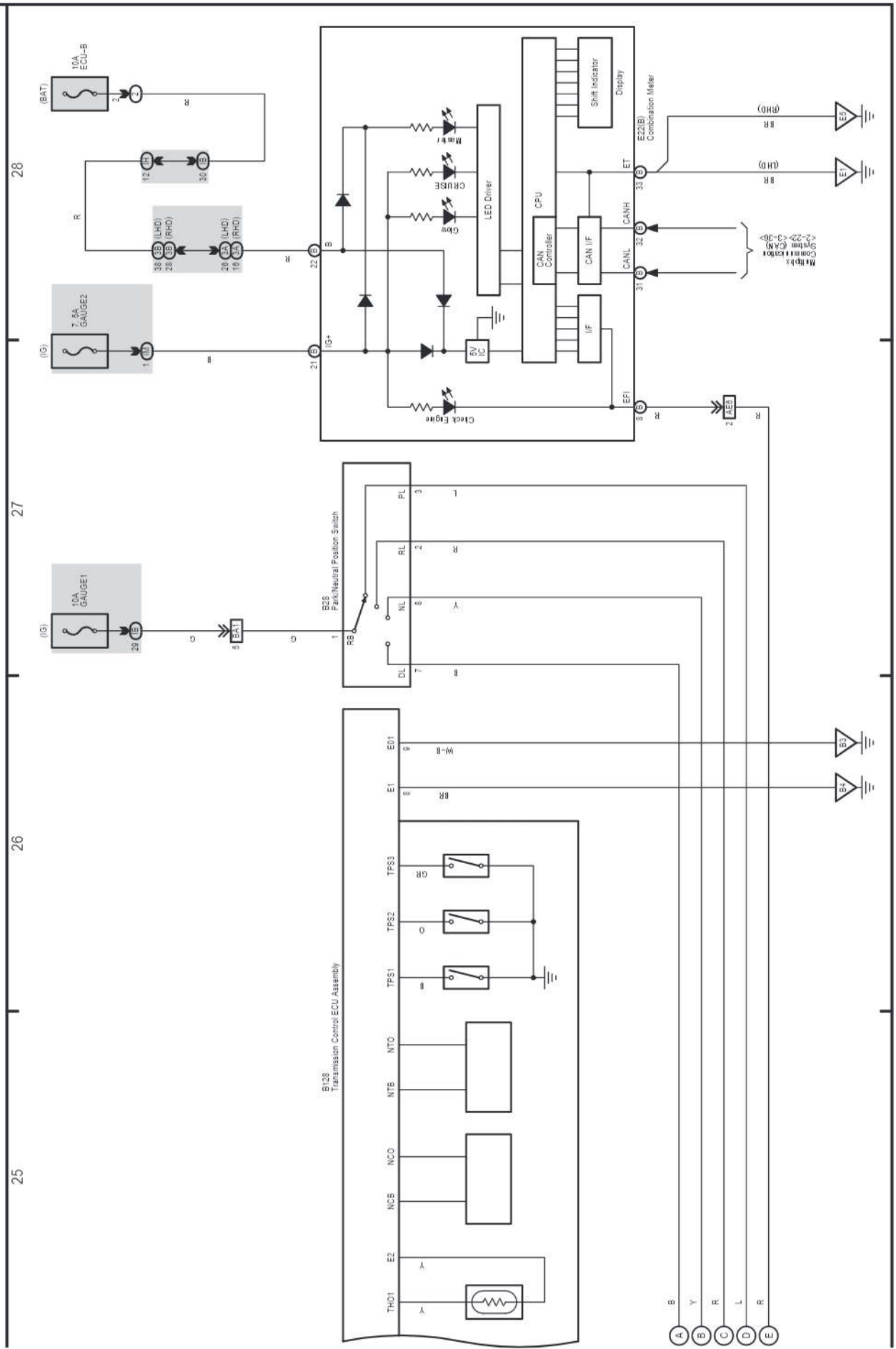


24



M OVERALL ELECTRICAL WIRING DIAGRAM

ECT and A/T Indicator (2AD-FHV)



47 TOYOTA RAV4

Ignition (3ZR-FAE)

