

(A): System Title

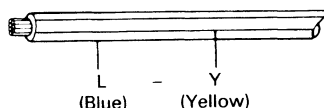
(B): Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B = Black	L = Blue	R = Red
BR = Brown	LG = Light Green	V = Violet
G = Green	O = Orange	W = White
GR = Gray	P = Pink	Y = Yellow

The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

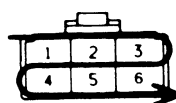
Example: L - Y



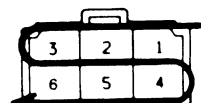
(C): Indicates the connector to be connected to a part (the numeral indicates the pin No.)

(D): Indicates the pin number of the connector. The numbering system is different for female and male connectors.

Example: Numbered in order from upper left to lower right      Numbered in order from upper right to lower left



Female



Male

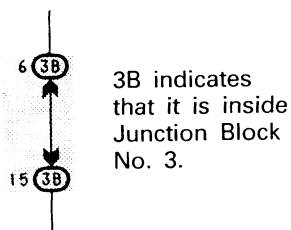
The numbering system for the overall wiring diagram is the same as above.

(E): Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.

Example: ① Indicates Relay Block No. 1.

(F): Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts (different junction blocks are shaded differently for further clarification).

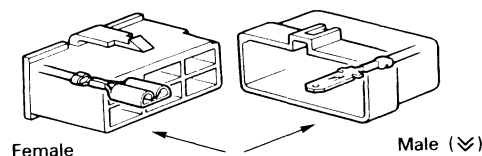
Example:



(G): Indicates related system.

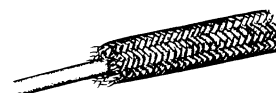
(H): Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (↘). Outside numerals are pin numbers.

- All connectors are shown from the open end, and the lock is on top.
















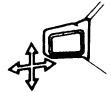



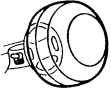




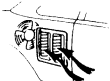




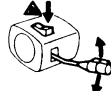






(I): ( ) are used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

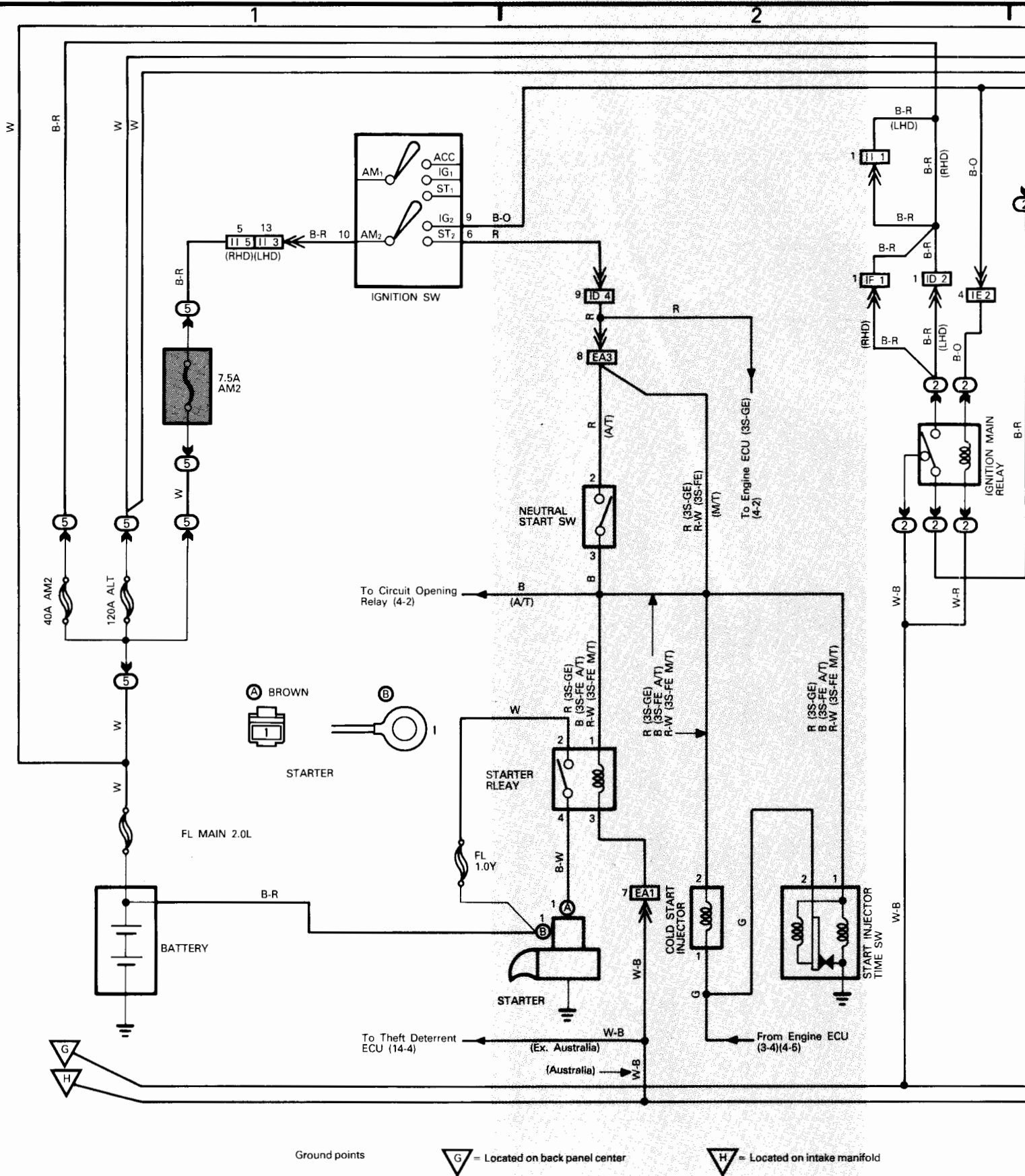
(J): Indicates a sealed wiring harness.



(K): Indicates a ground point.

SYSTEMS	LOCATION	SYSTEMS	LOCATION
ABS (Anti-Lock Brake System)	 13-2	Ignition	 1-3
Air Conditioner, Cooler and Heater	 21-4	Interior Lights	 9-2
Auto Antenna	 16-2	Power Source	 1~21, -1
Automatic Transmission Indicator	 2-2	Power Windows	 12-3
Back-up Lights	 2-3	Radiator Fan and Condenser Fan	 21-2
Charging	 1-4	Radio and Player	 17-2 (w/ CD) 18-2 (w/o CD)
Cigarette Lighter	 16-3	Rear Window Defogger	 16-4
Clock	 16-3	Remote Control Mirrors	 12-2
Combination Meter	 20-2	Shift Lock	 14-4
Cruise Control	 10-2	SRS Airbag	 14-2
Door Locks	 19-2	Starting	 1-2
EHPS (Electro Hydraulic Power Steering)	 15-2	Stop Lights	 10-6
Engine Compartment Cooling Fan	 2-4	Taillights and Illumination	 6-2
Engine Control and ECT	 3-2 (3S-GTE) 4-2 (5S-FE A/T w/ ECT) 5-2 (5S-FE M/T)	Theft Deterrent System	 19-4
Fog Lights	 8-2	Turn Signal and Hazard	 11-2
Front Wiper and Washer	 8-3	Unlock and Seat Belt Warning	 9-4
Headlight	 7-2		
Horn	 11-4		

# MR2 ELECTRICAL WIRING DIAGRAM (Page 1 to Page 23)





Ignition

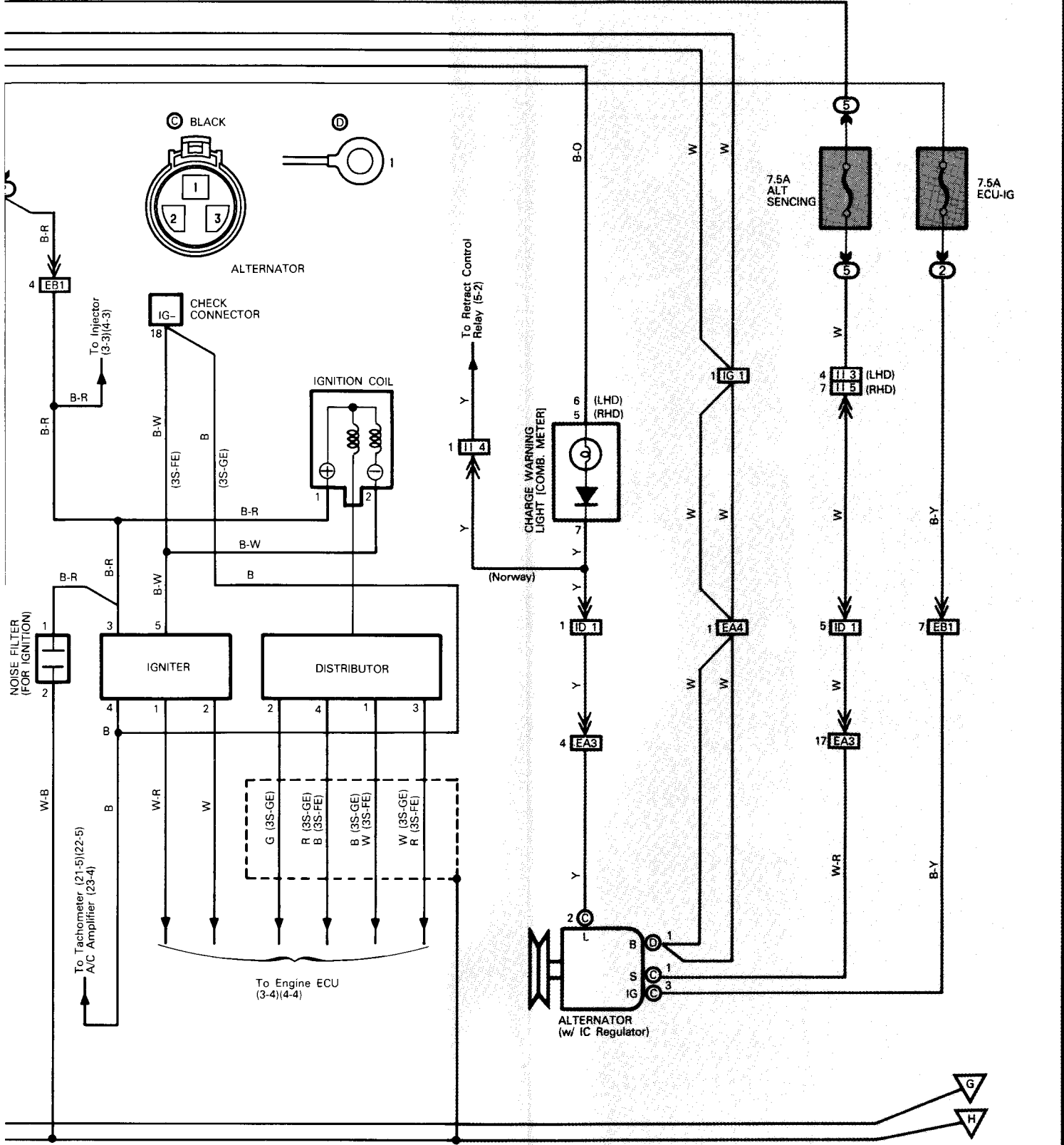


Charging

3

1

4



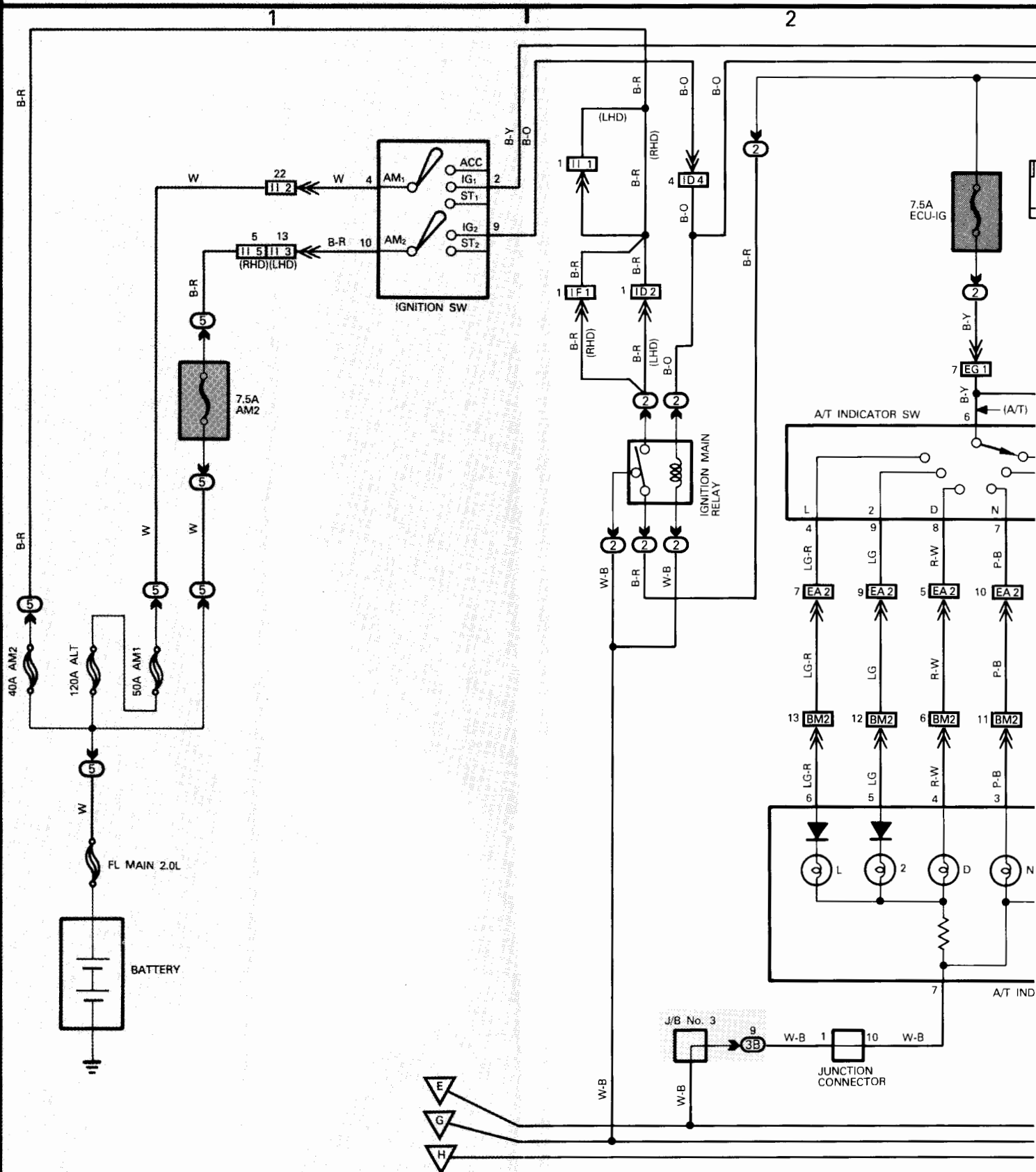
## 2 MR2 (Cont'd)



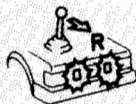
Power Source



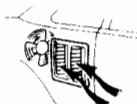
Automatic Transmission



Indicator



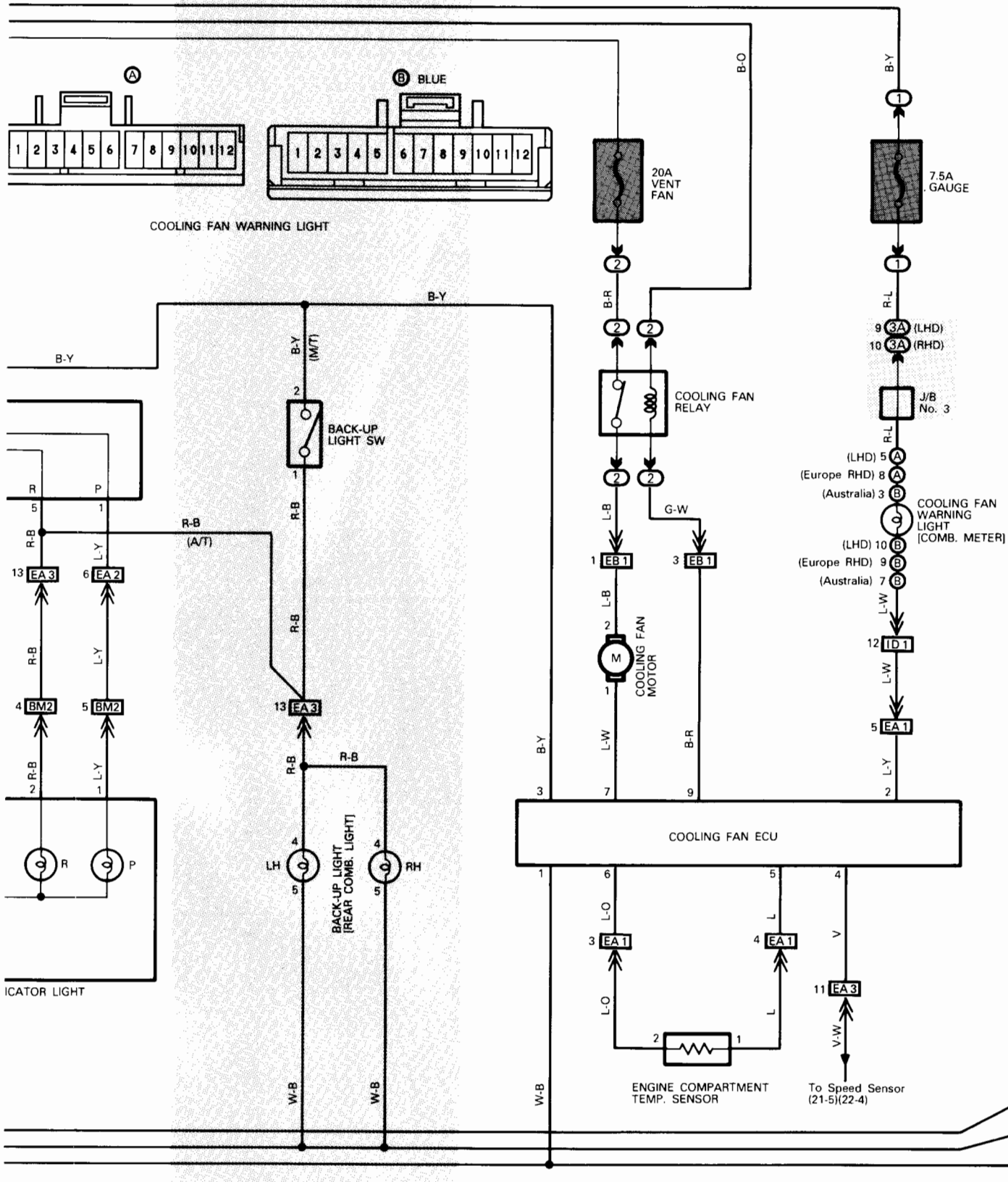
Back-Up Light



Engine Compartment Cooling Fan

3

4

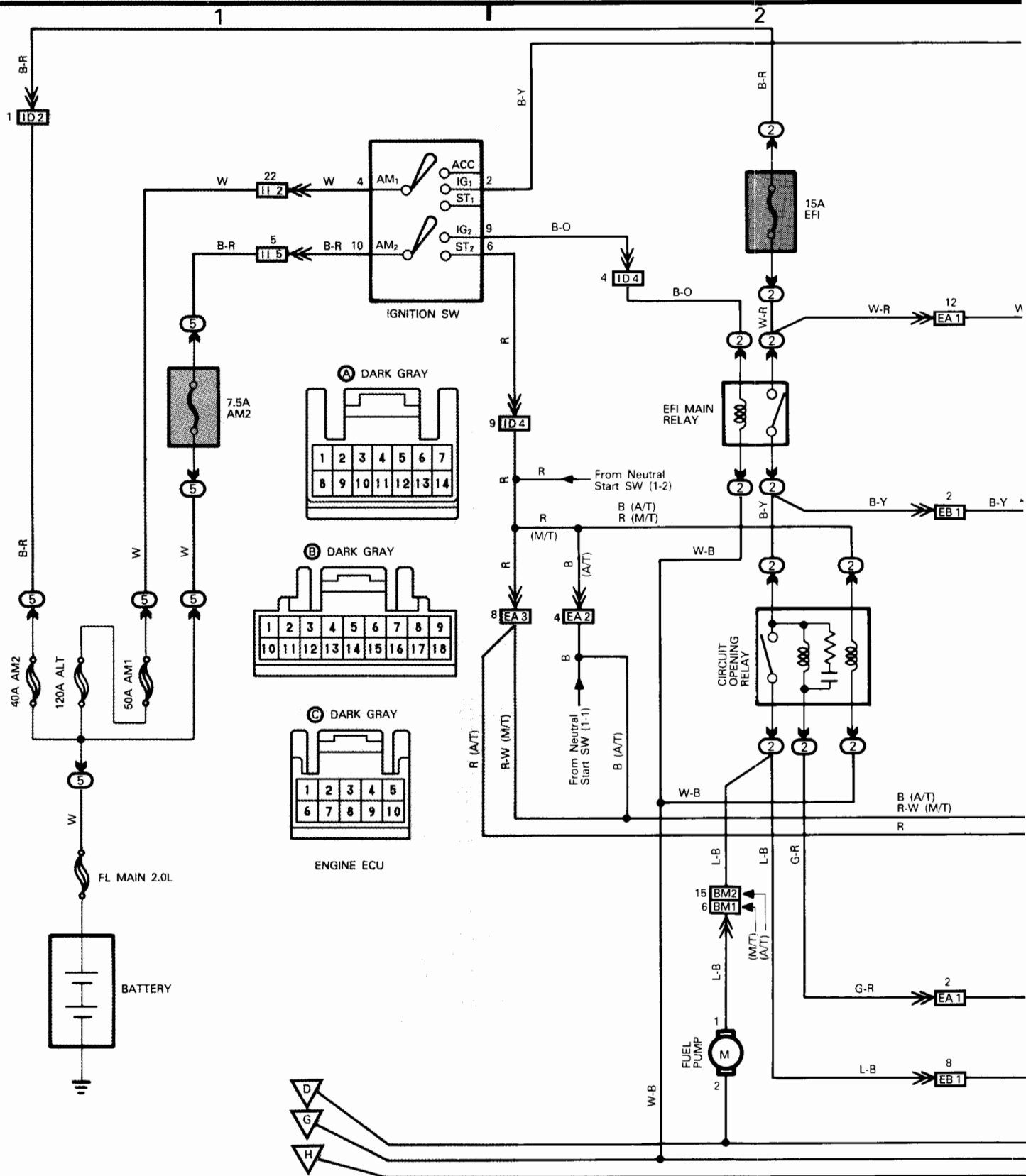


⊖ Located on intake manifold

## 4 MR2 (Cont'd)



Power Source



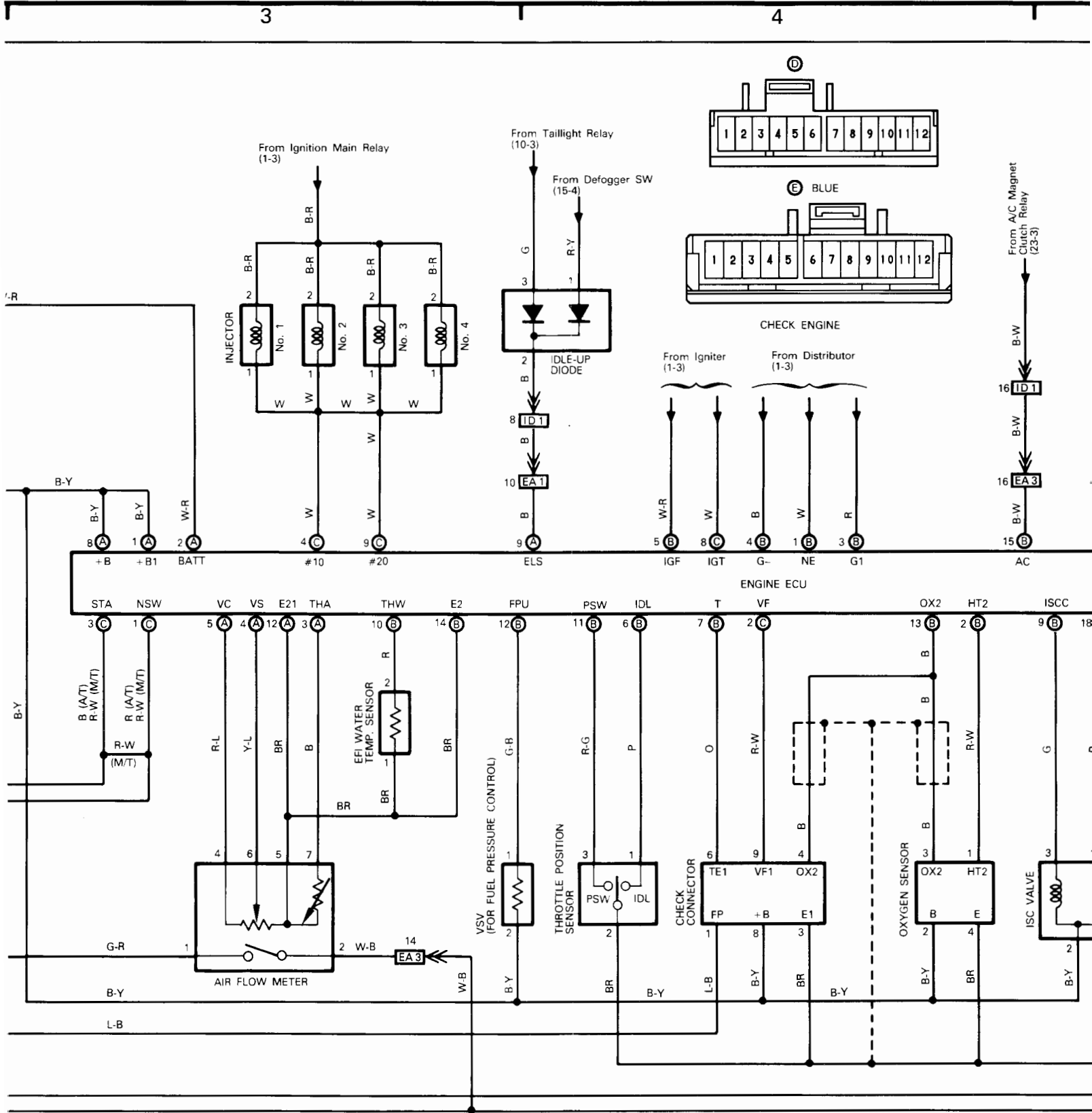
Ground points

= Located on instrument panel center

= Located on back panel center

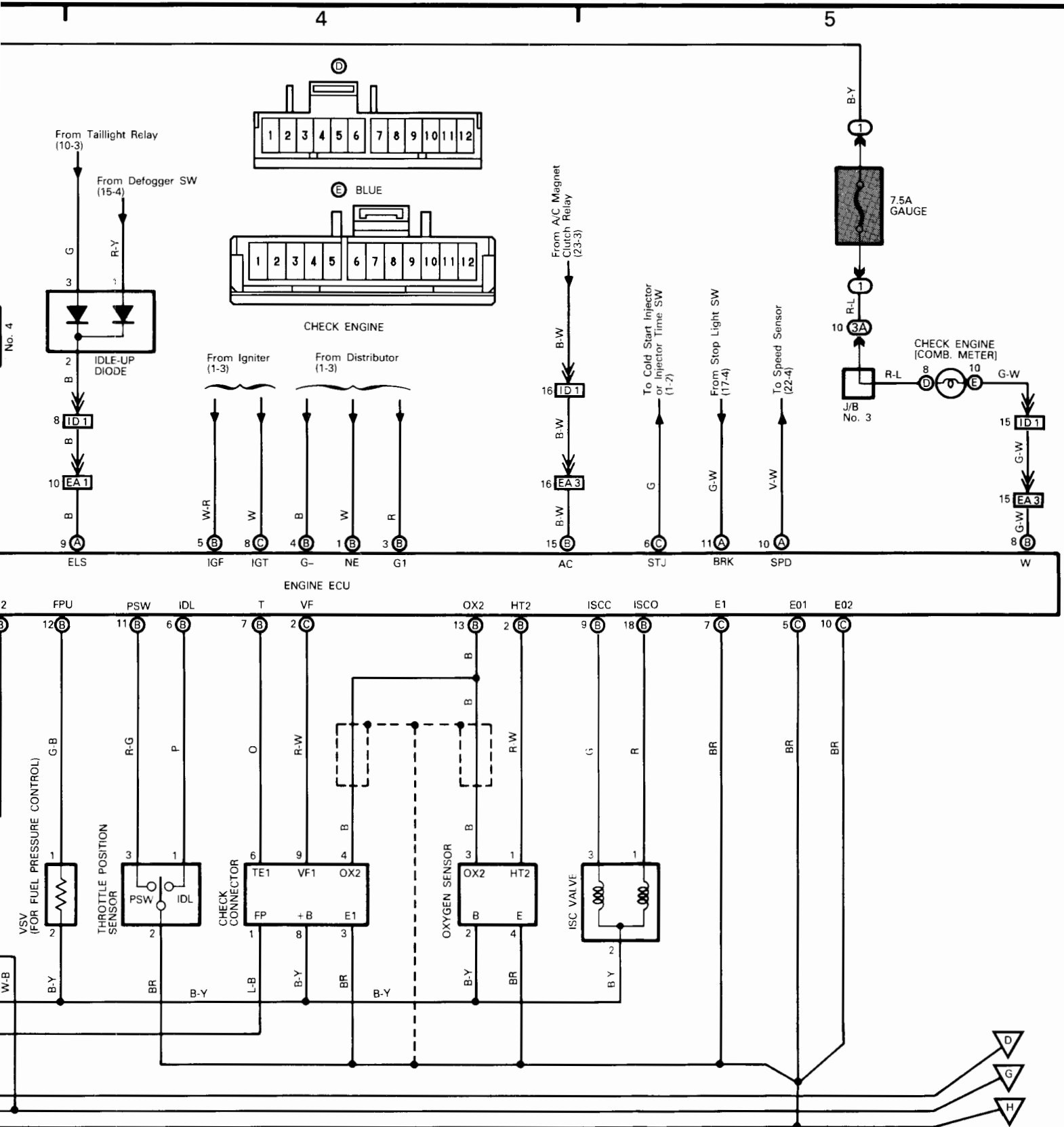


# Engine Control (3S-FE)

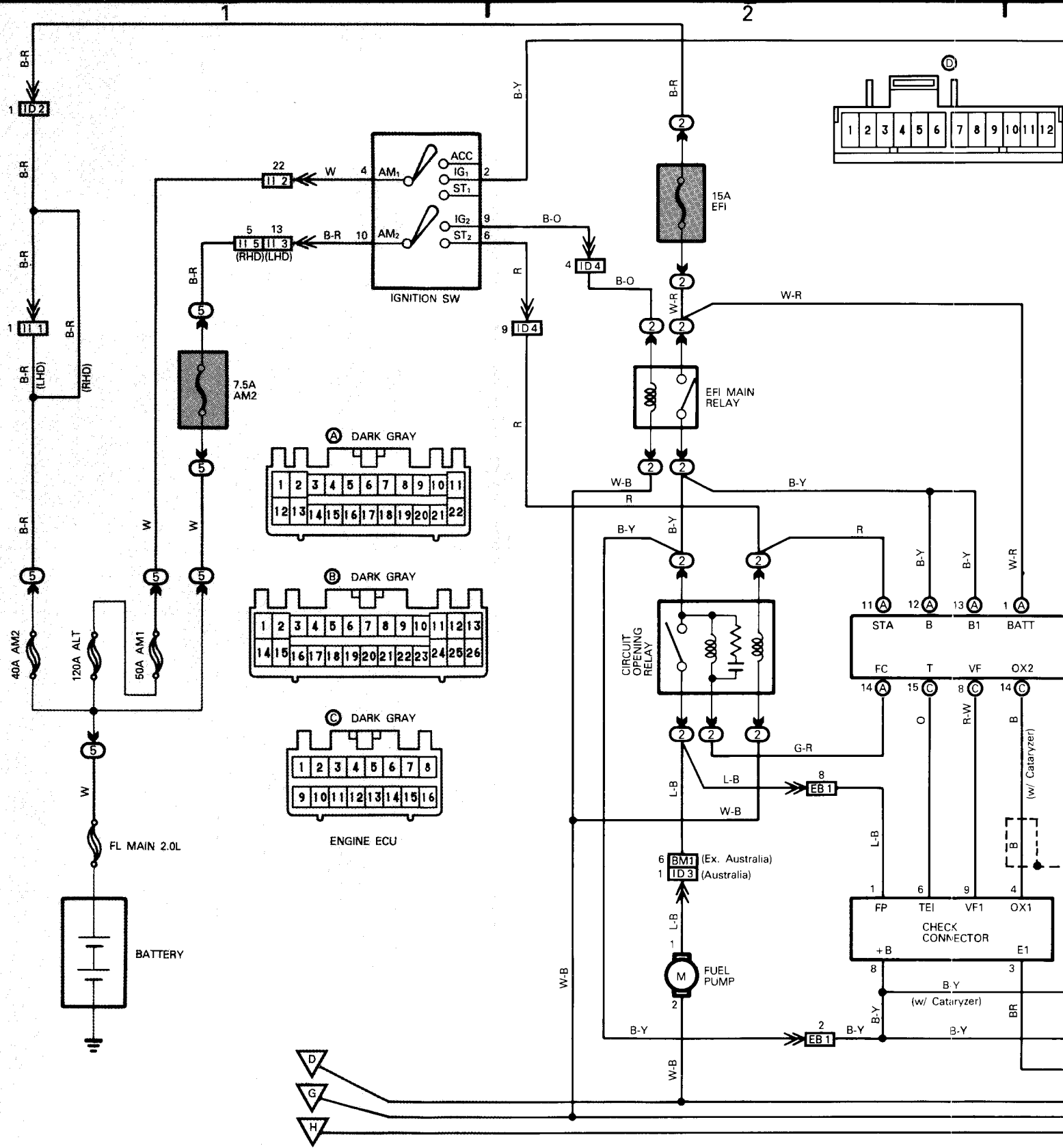


= Located on intake manifold

## Engine Control (3S-FE)



MR2 (Cont'd)



Ground points

= Located on instrument panel center

= Located on back panel center

= Located on front panel center



# Engine Control (3S-GE)

3

4

⑤ BLUE

⑥ GRAY

CHECK ENGINE

From Ignition Main Relay  
(1-3)

From "TAIL-RH" Fuse (LHD)  
(9-3)  
From Taillight Relay (RHD)  
(10-3)

From Defogger SW  
(15-3)(15-4)

From A/C Magnet Clutch  
Relay (23-3)

To A/C Amplifier  
(23-3)

B-Y

1

9

10

3A

3A

J/B

No.

1

9

10

3A

3A

J/B

No.

1

9

10

3A

3A

J/B

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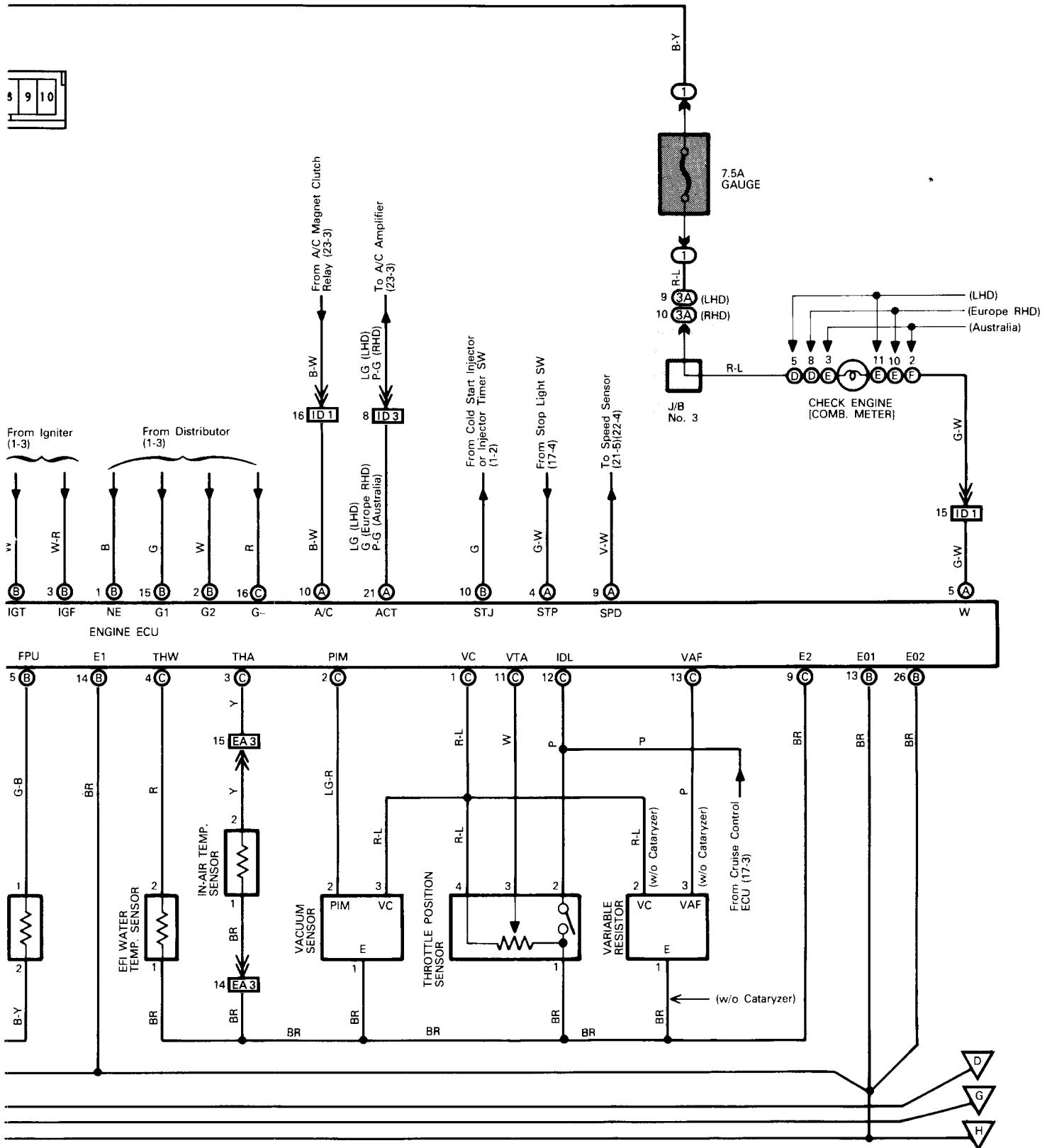
1



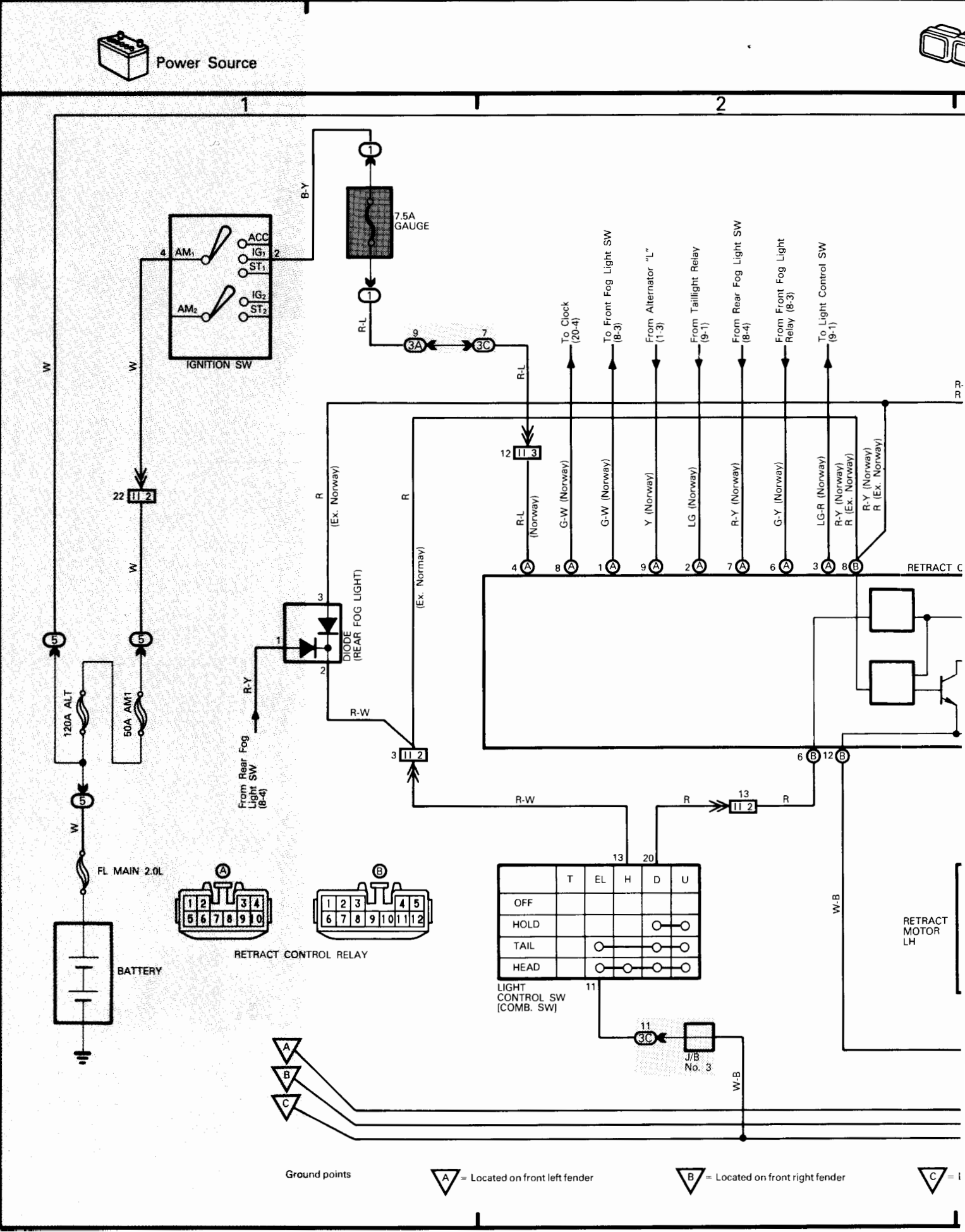
## Engine Control (3S-GE)

4

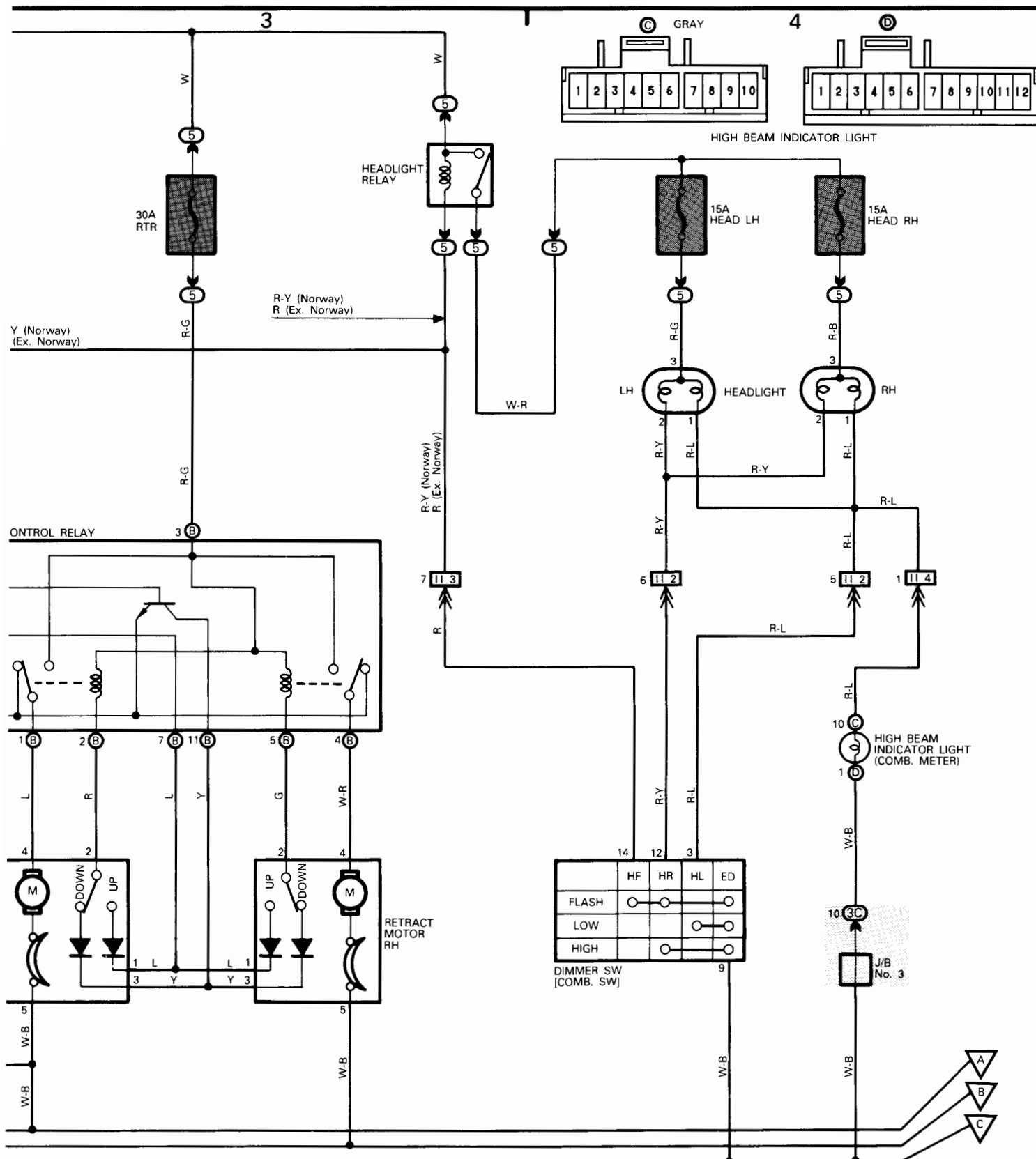
5



MR2 (Cont'd)



Y (Norway)  
(Ex. Norway)



.ocated on left kick panel

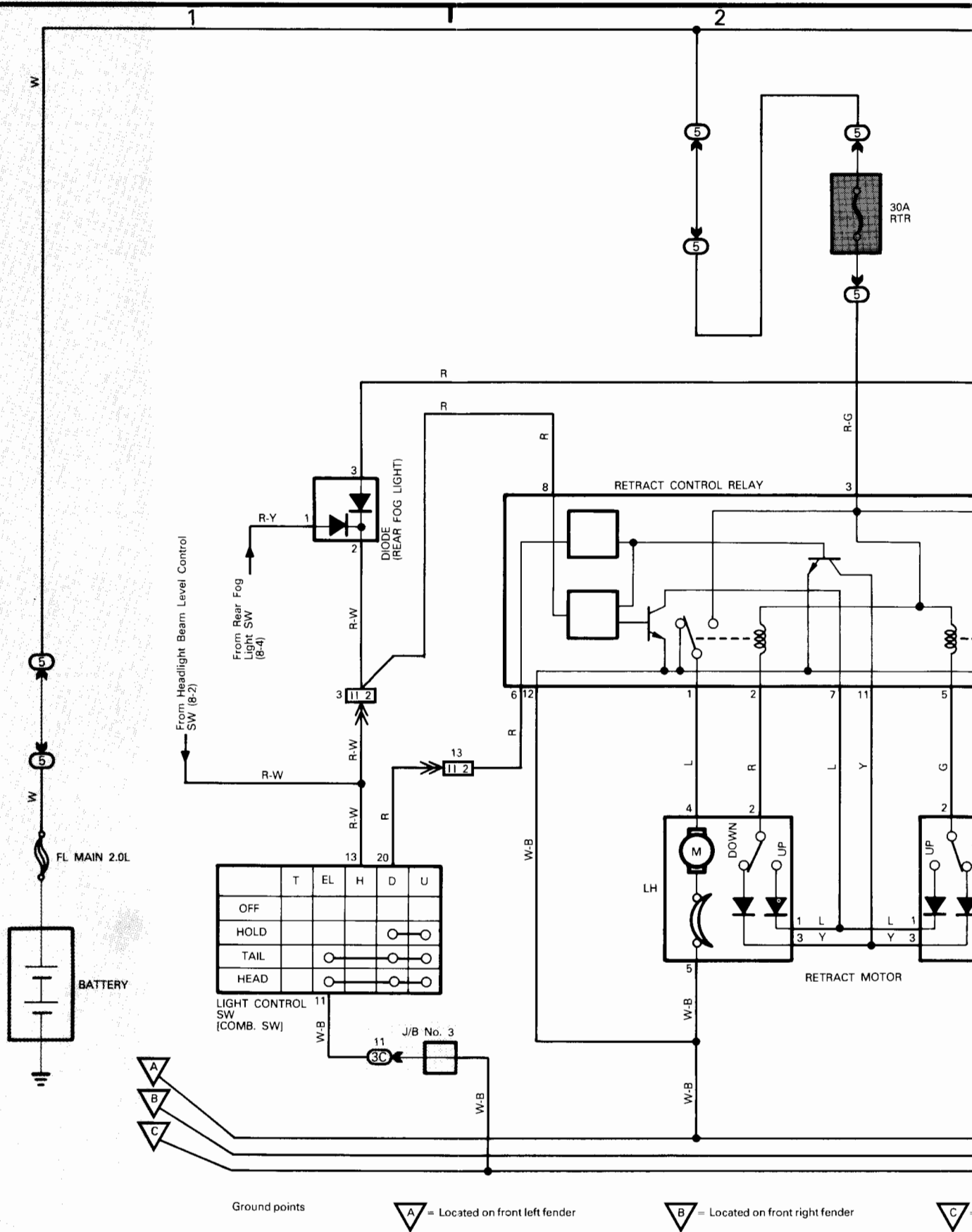
## 6 MR2 (Cont'd)



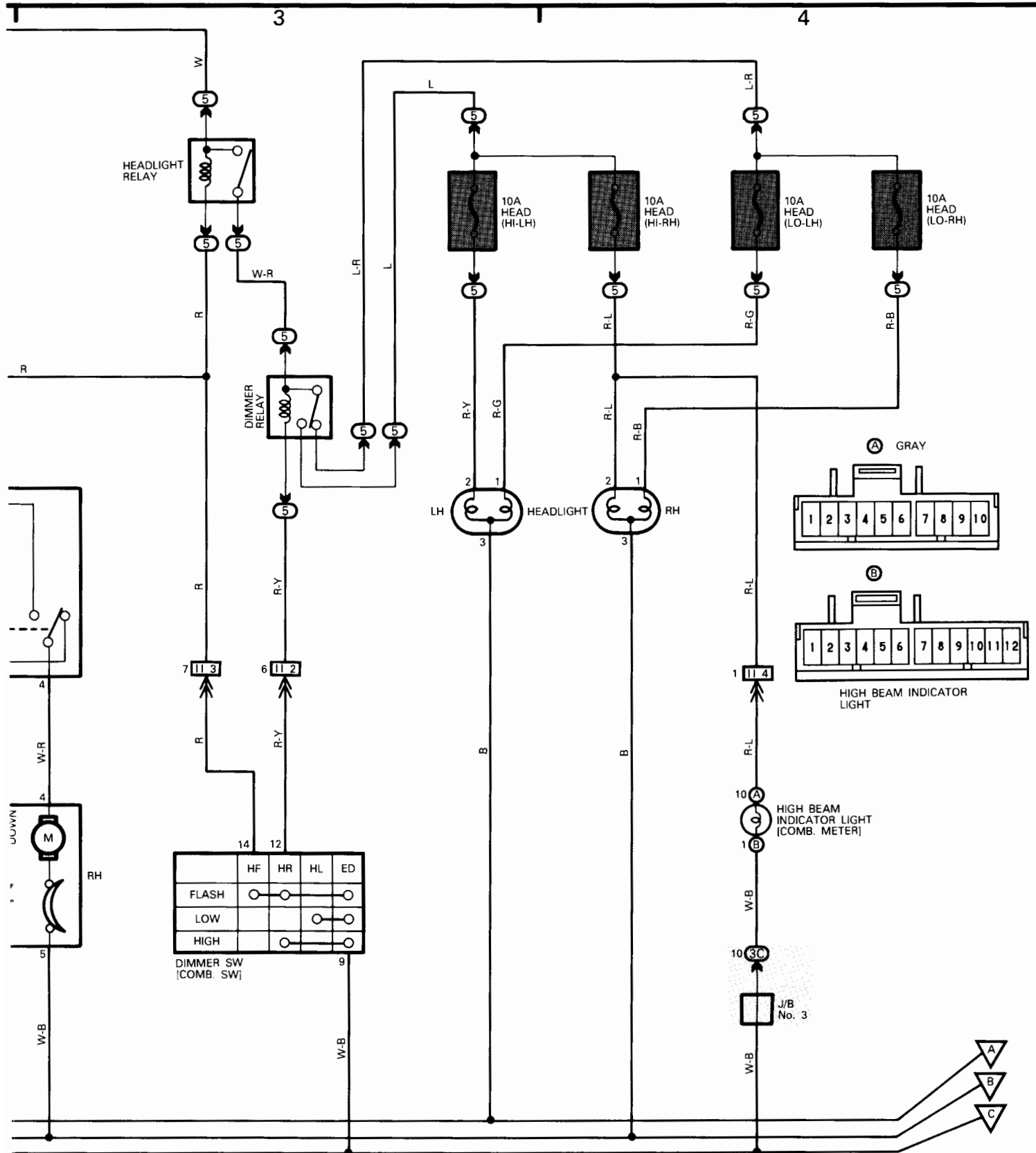
### Power Source



Headlight (\



N. Germany)



Located on left kick panel

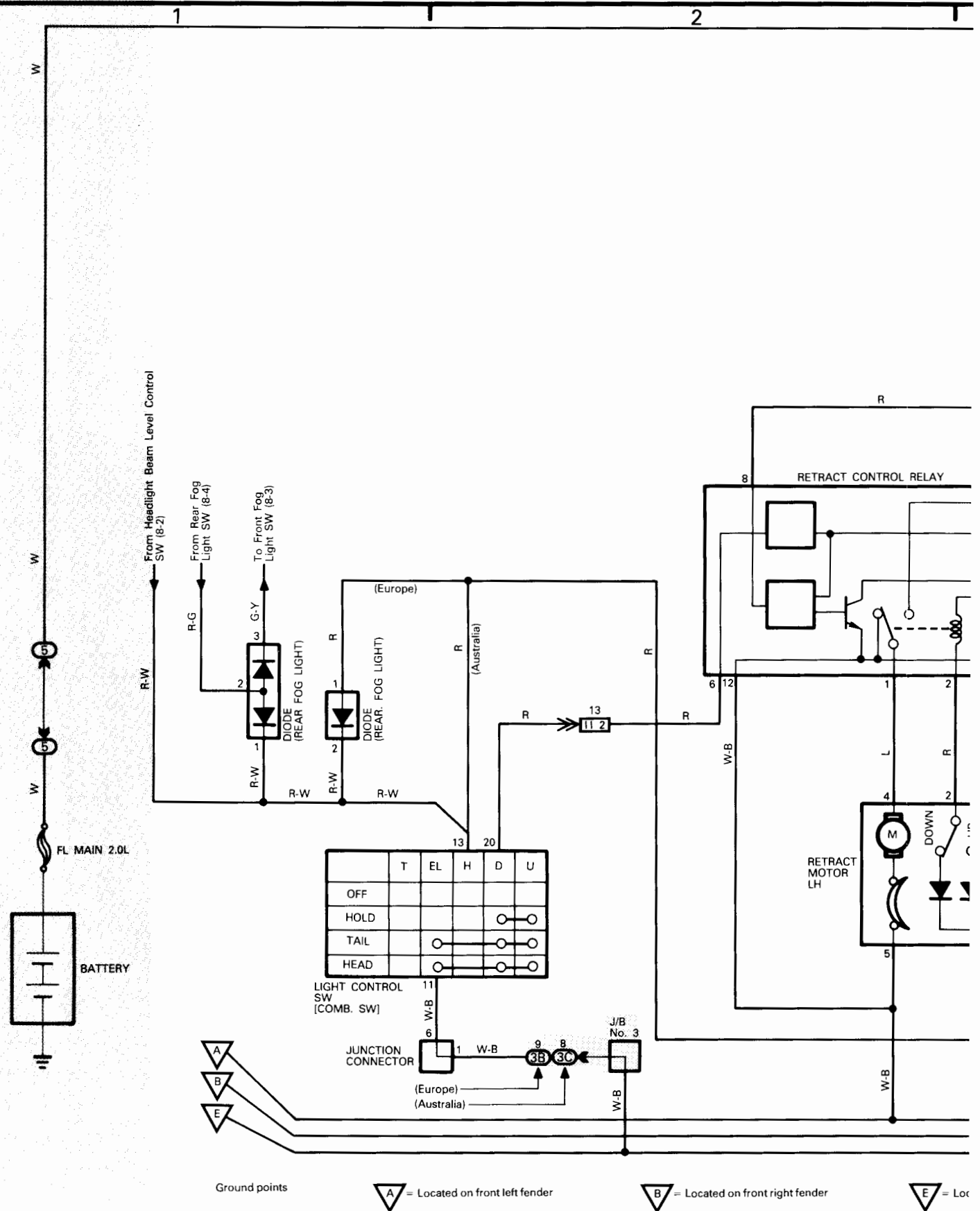
# MR2 (Cont'd)



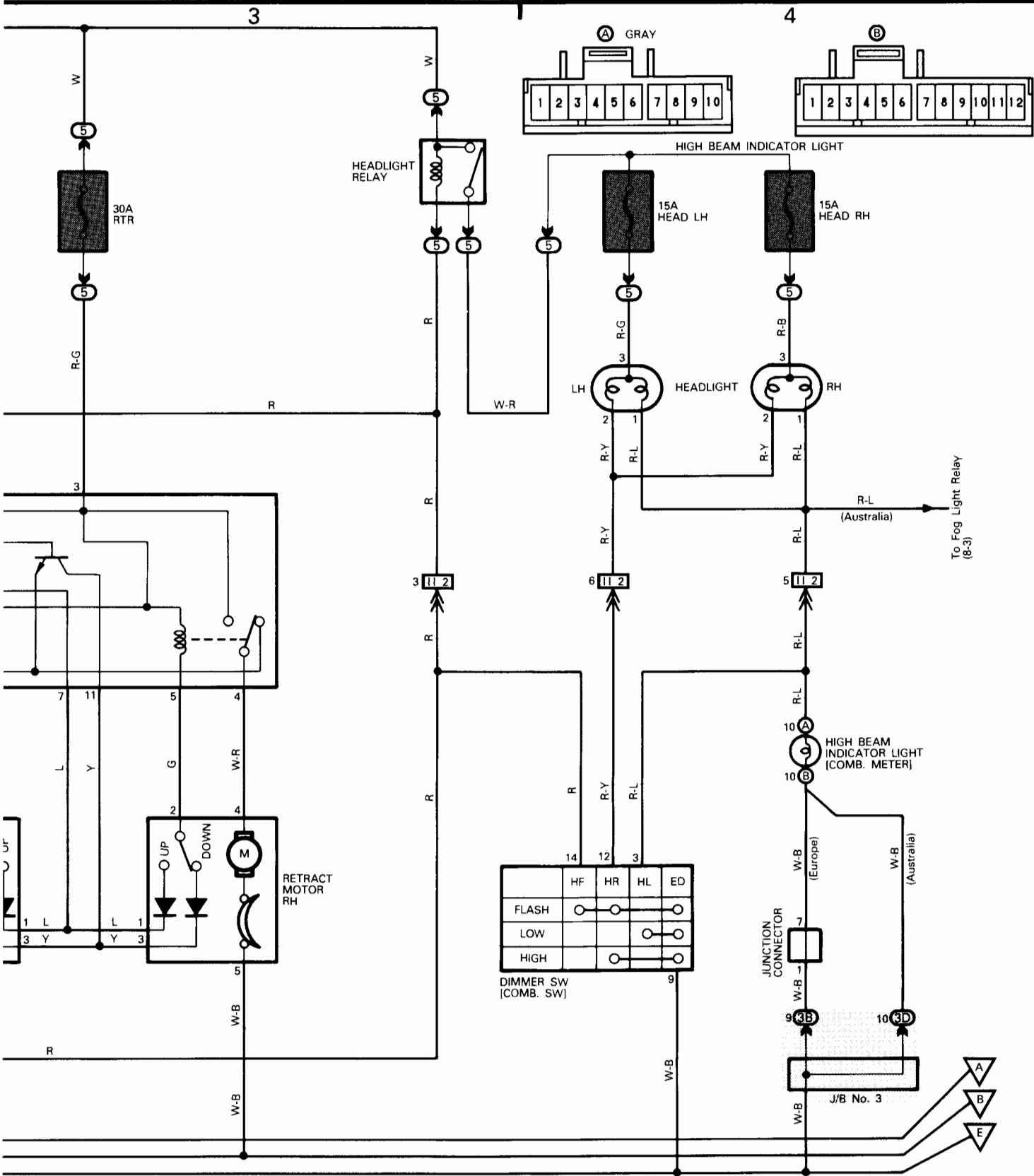
Power Source



Headli



ght (RHD)

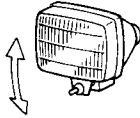


ated on right kick panel

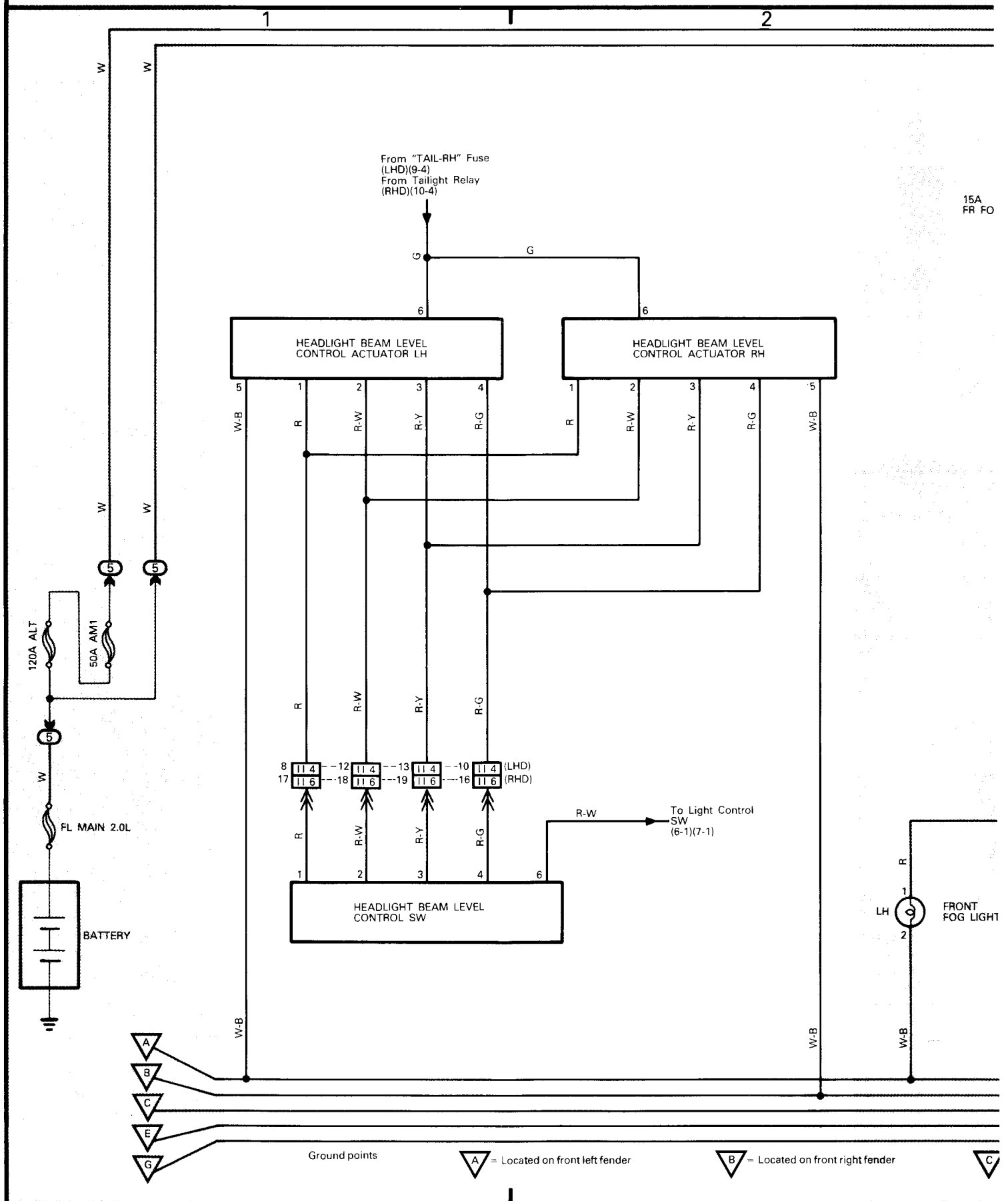
# 8 MR2 (Cont'd)



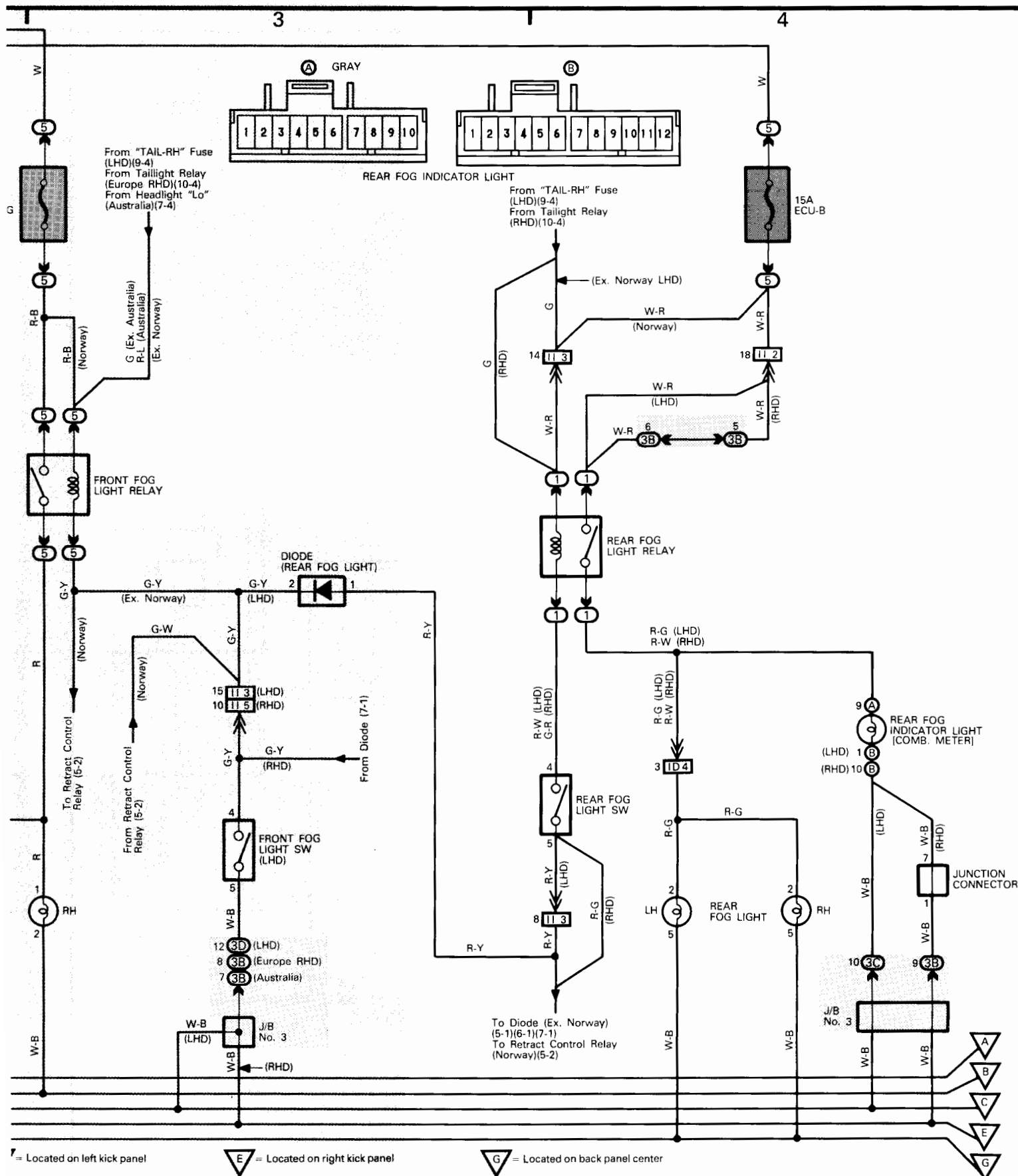
Power Source



Headlight Beam Level Control



### Rear Fog Light

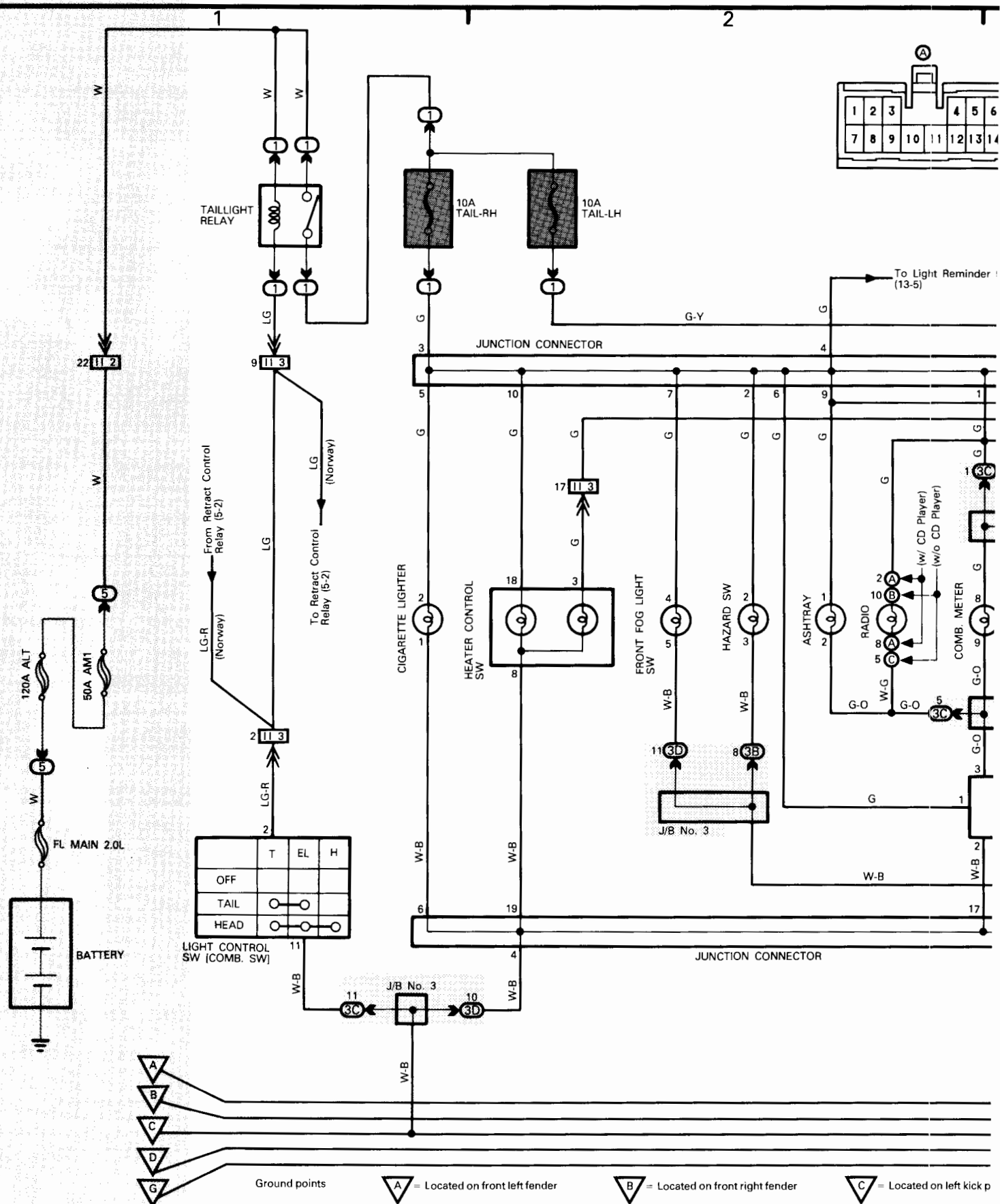


**MR2 (Cont'd)**

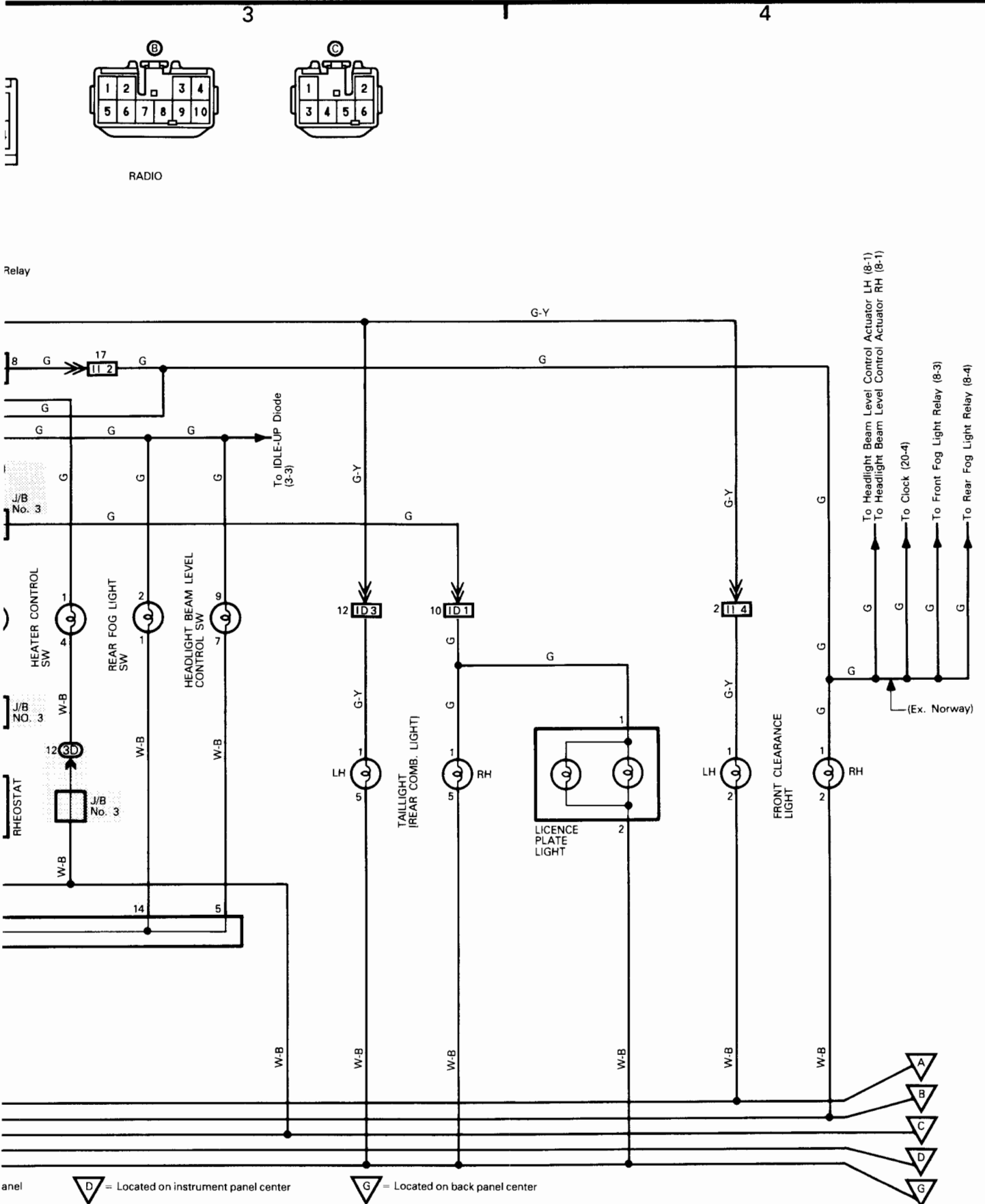
## Power Source



Tế



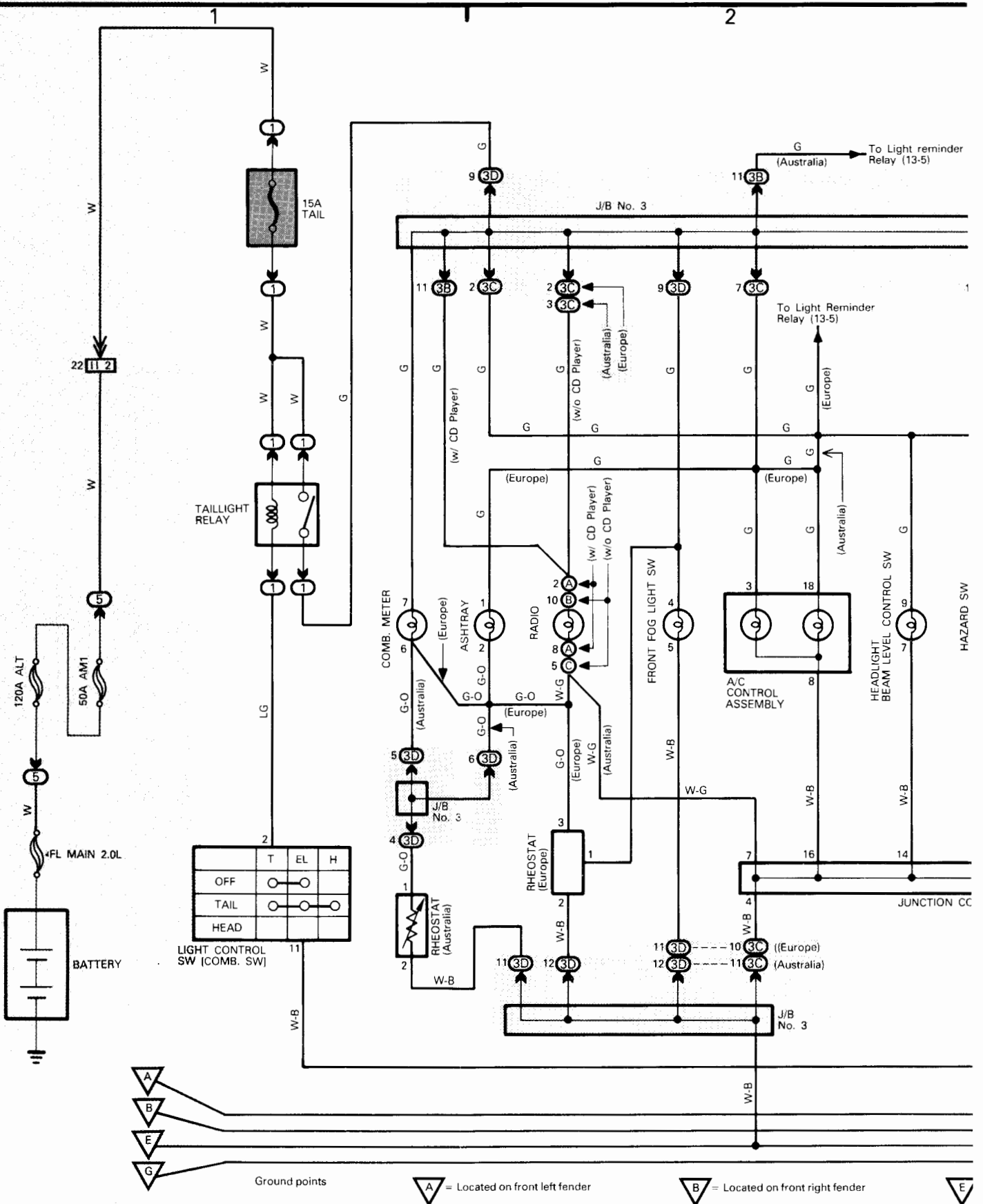
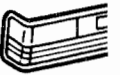
Light and Illumination (LHD)



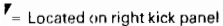
# 10 MR2 (Cont'd)



Power Source



## 3

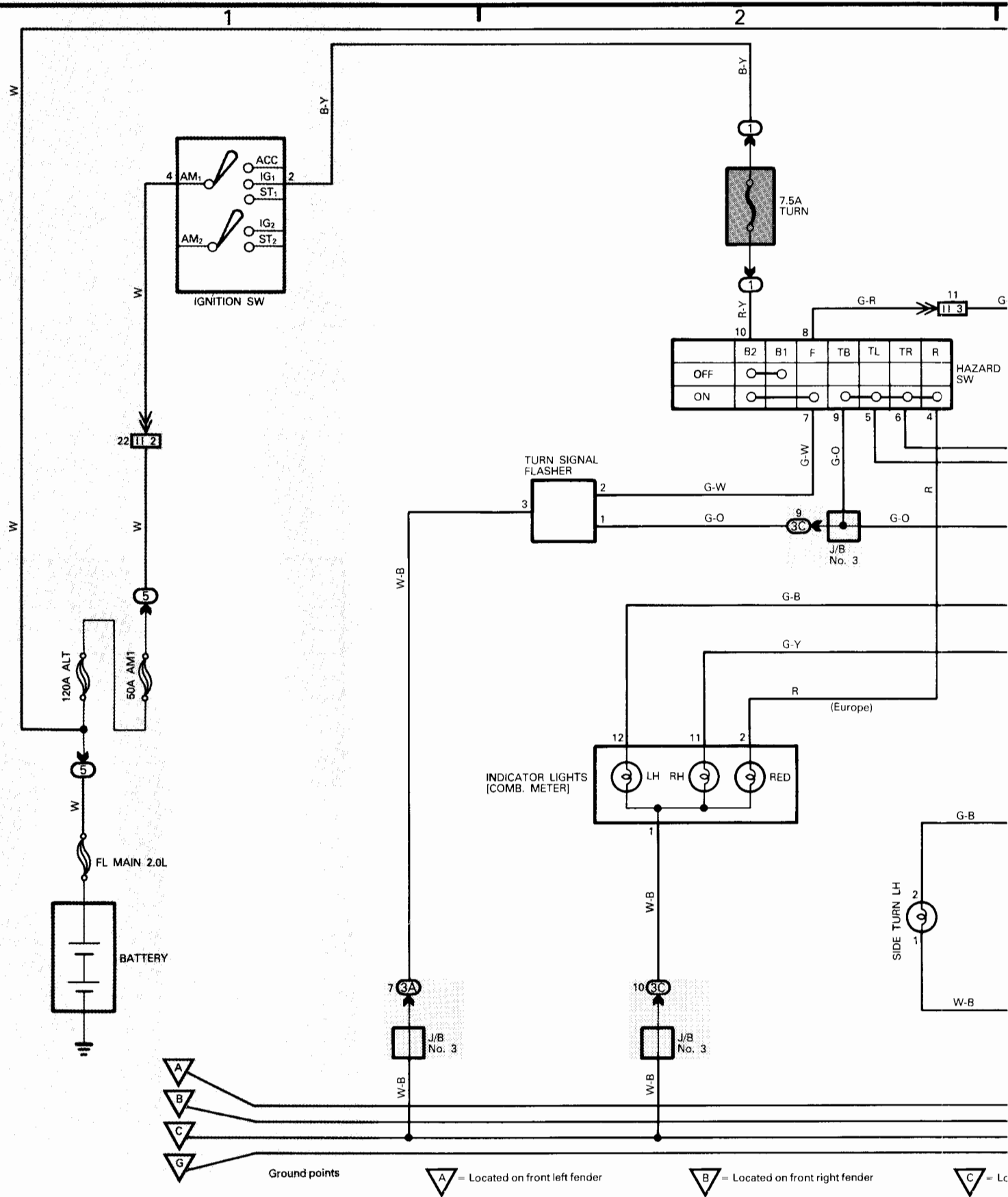


 G = Located on back panel center

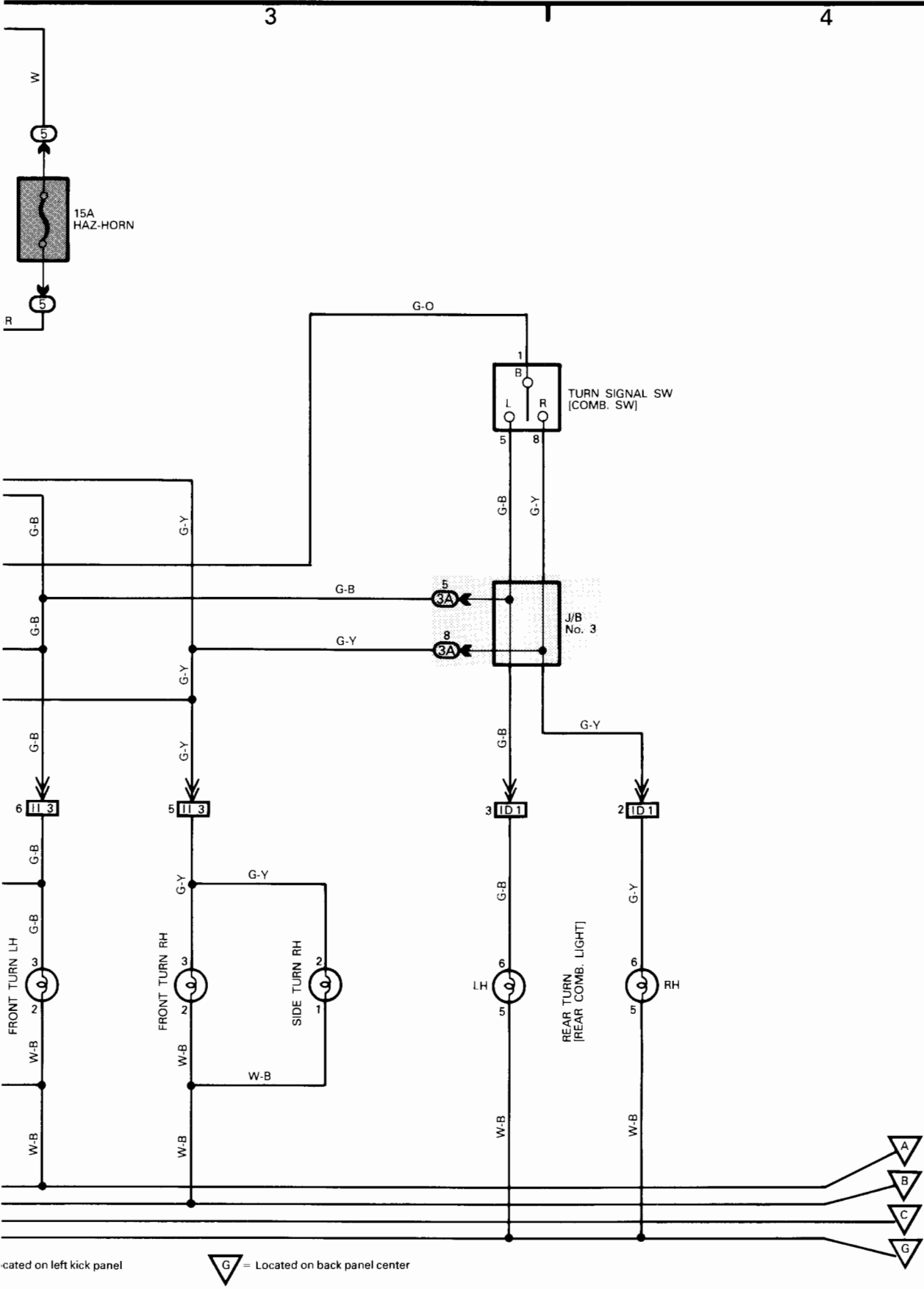
MR2 (Cont'd)



Power Source



Turn Signal and Hazard (LHD)



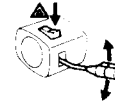
located on left kick panel

△ = Located on back panel center

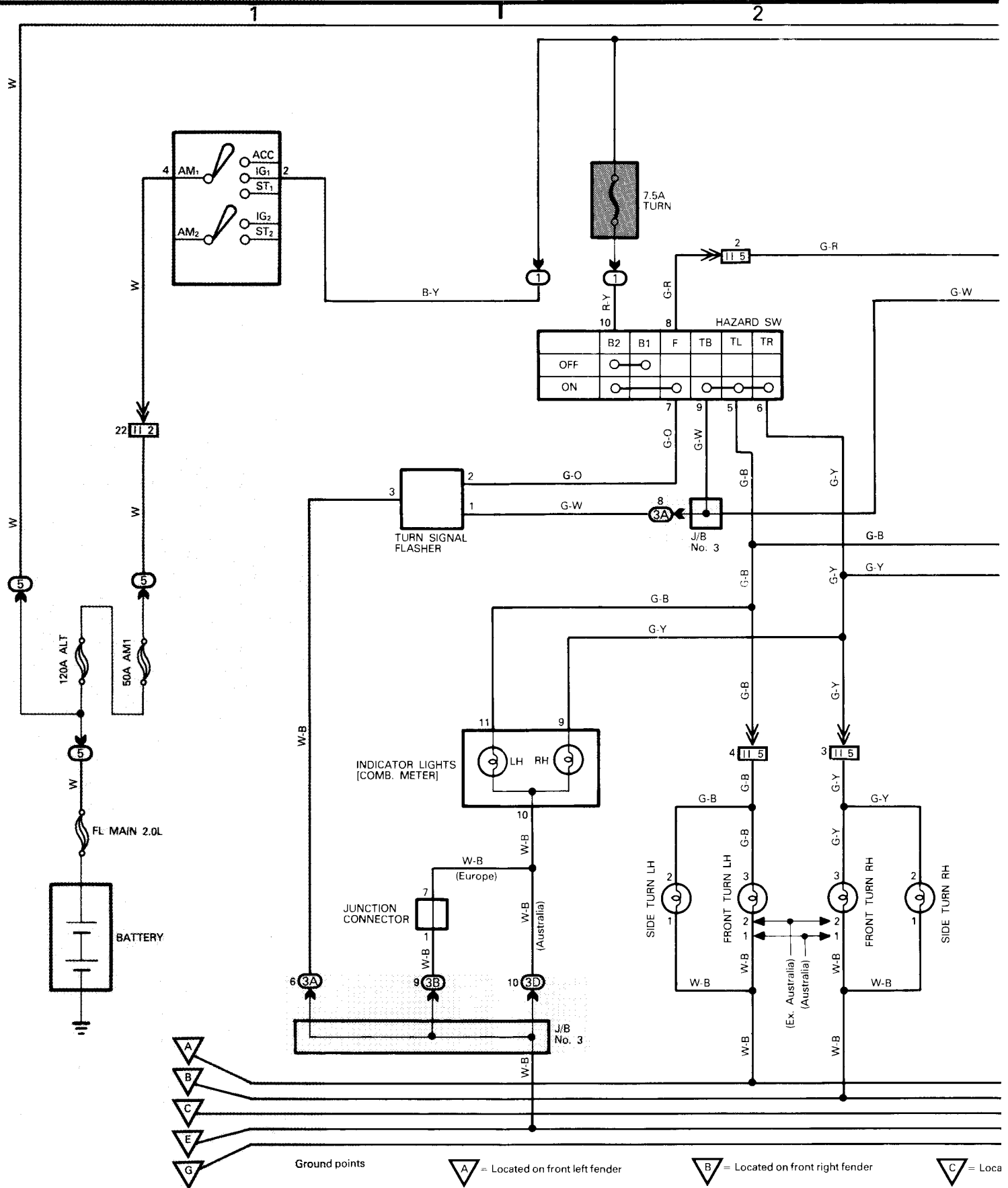
# 12 MR2 (Cont'd)



Power Source



Turn Signal and Hazard (RHD)

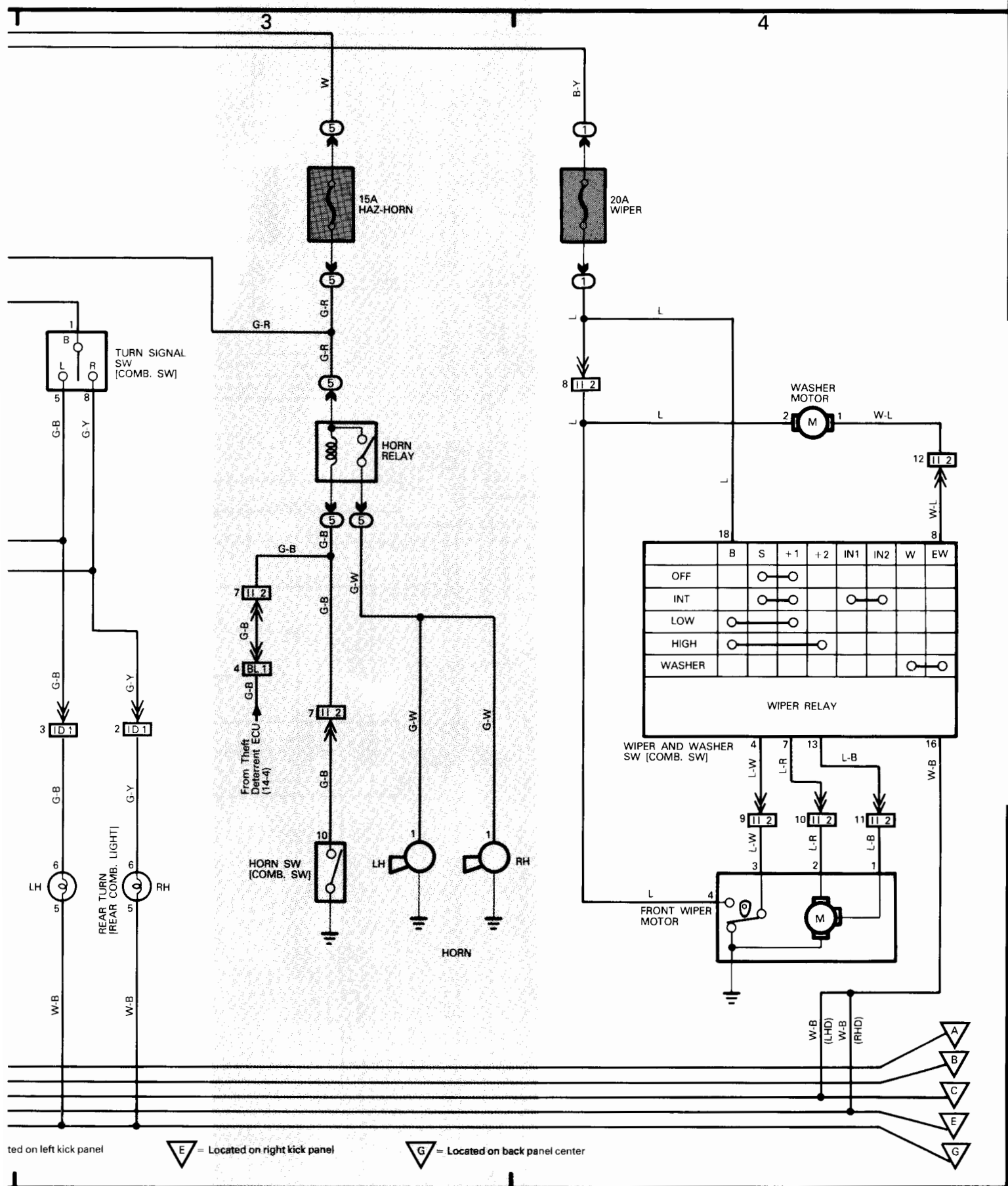




Horn



Front Wiper and Washer



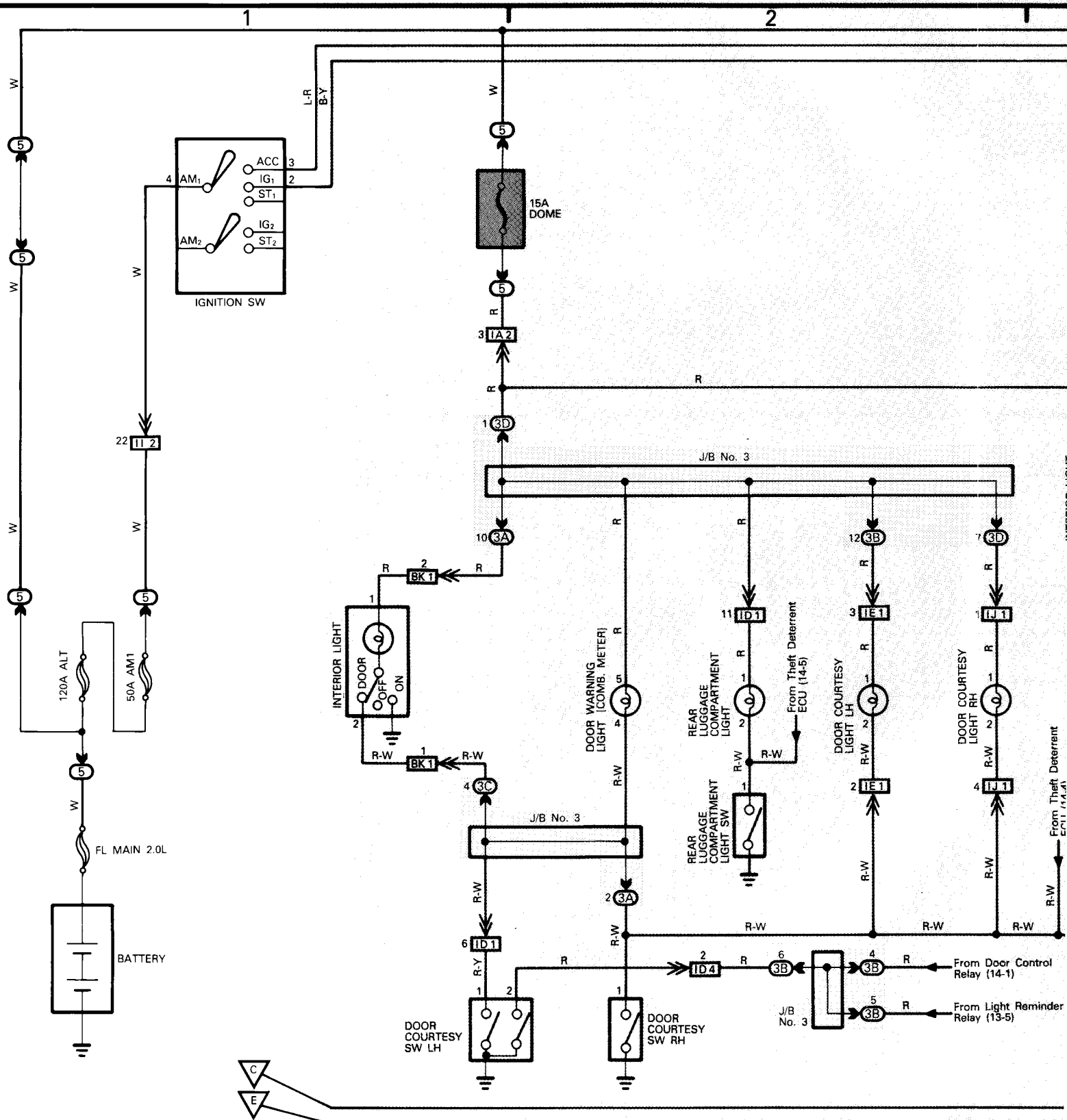
# MR2 (Cont'd)



Power Source



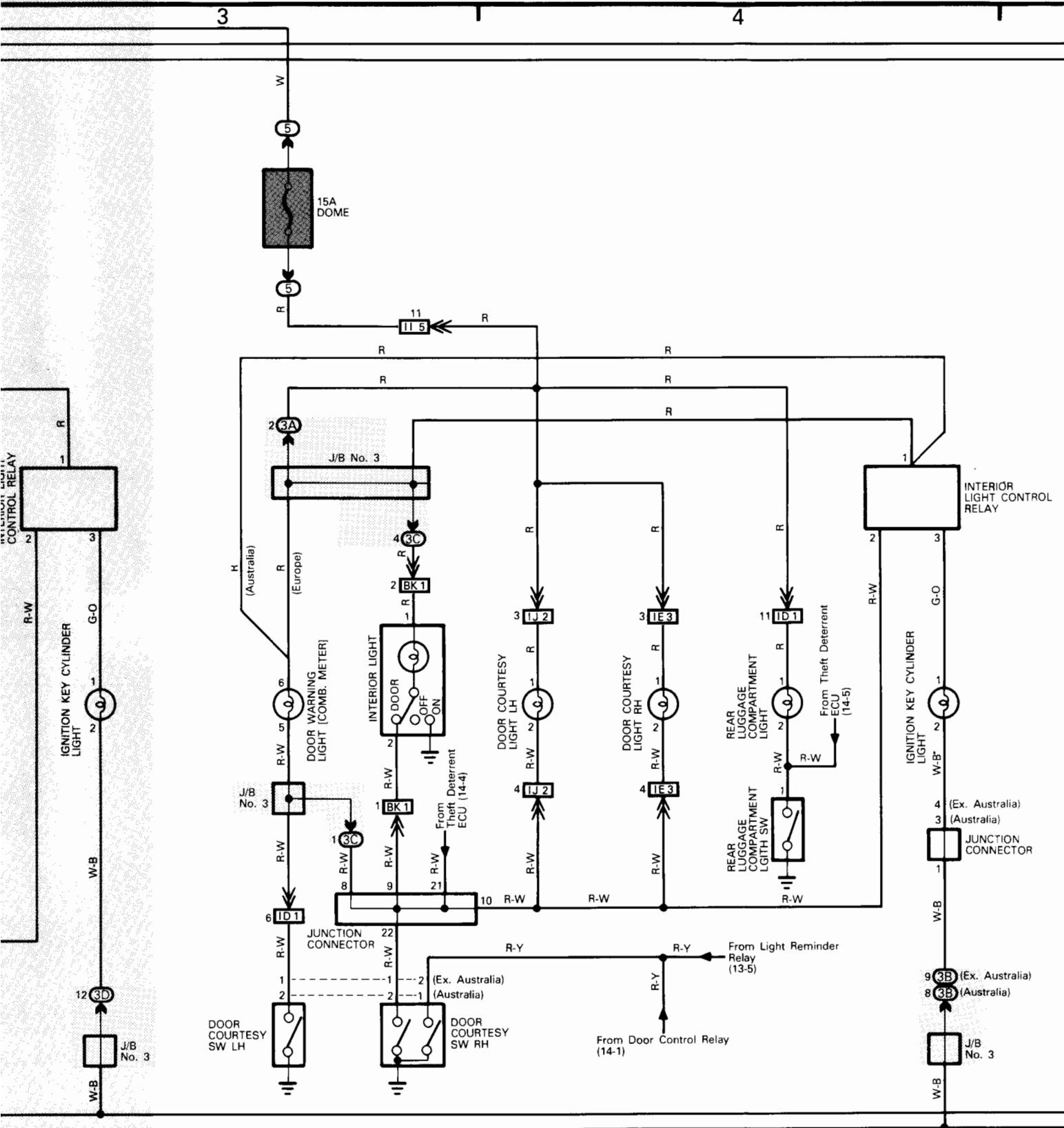
Interior Light (LHD)



Ground points

C = Located on left kick panel

E = Located on right kick panel





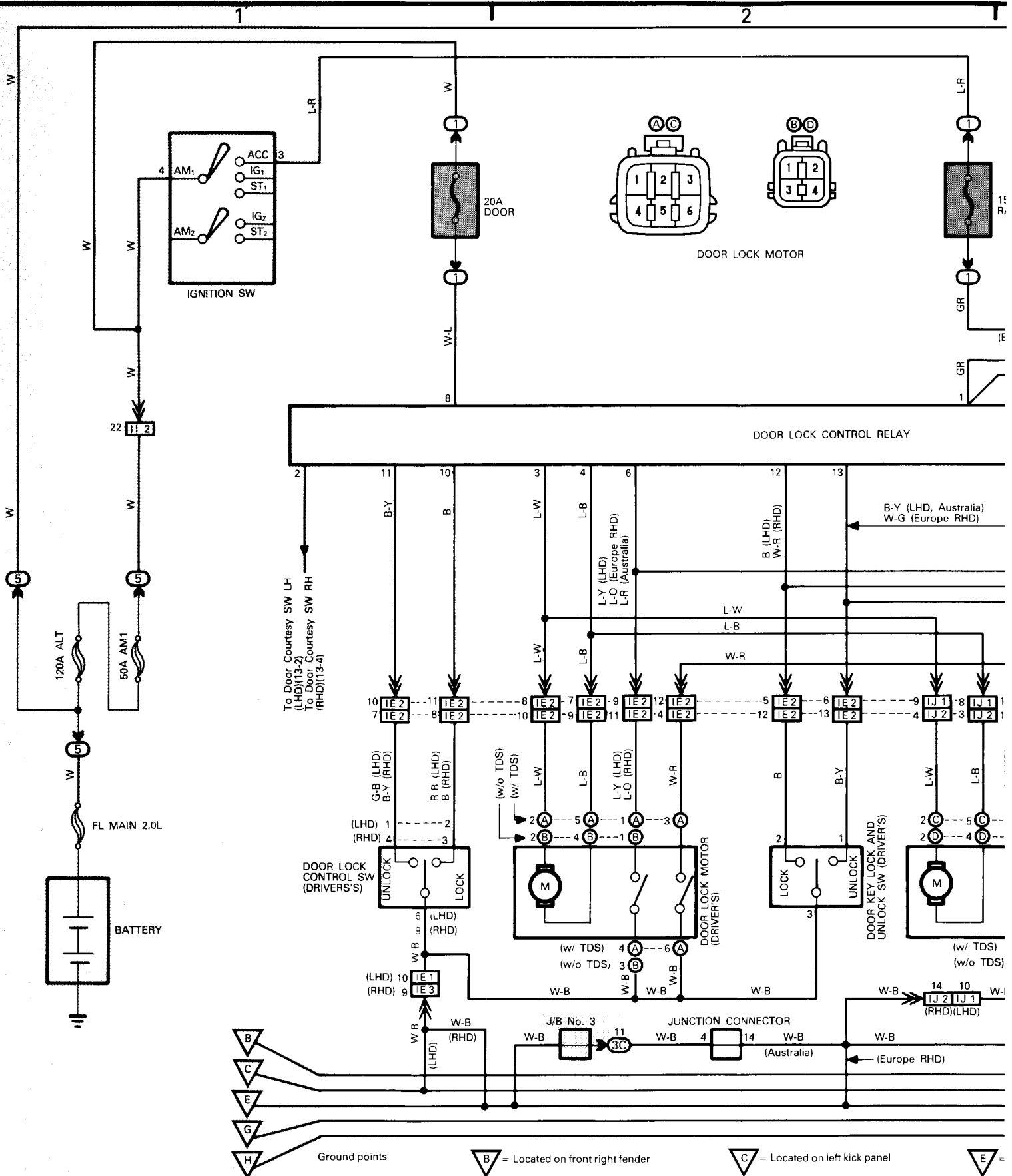
# 14 MR2 (Cont'd)



Power Source



Door Lock



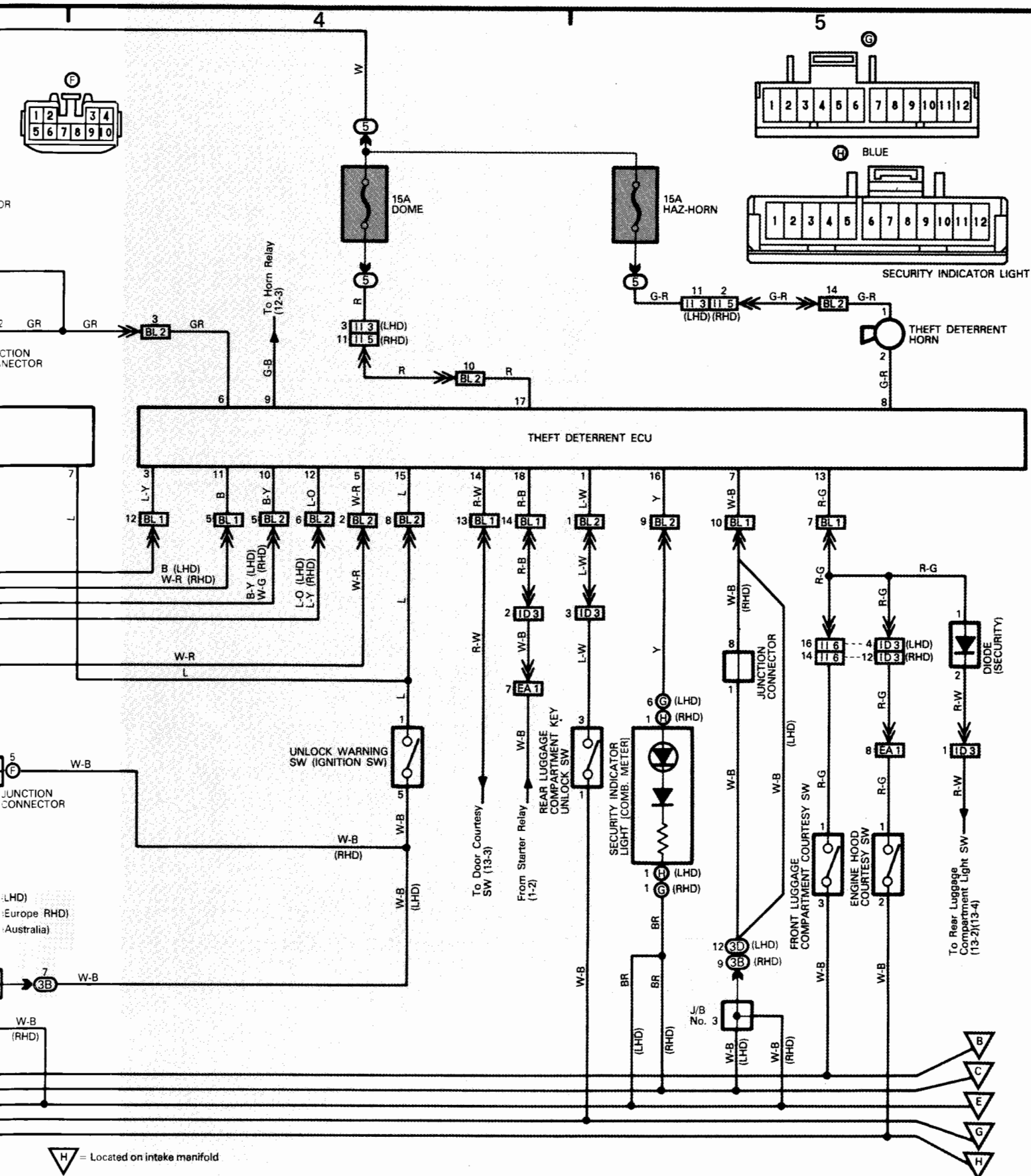


 G = Located on back panel center

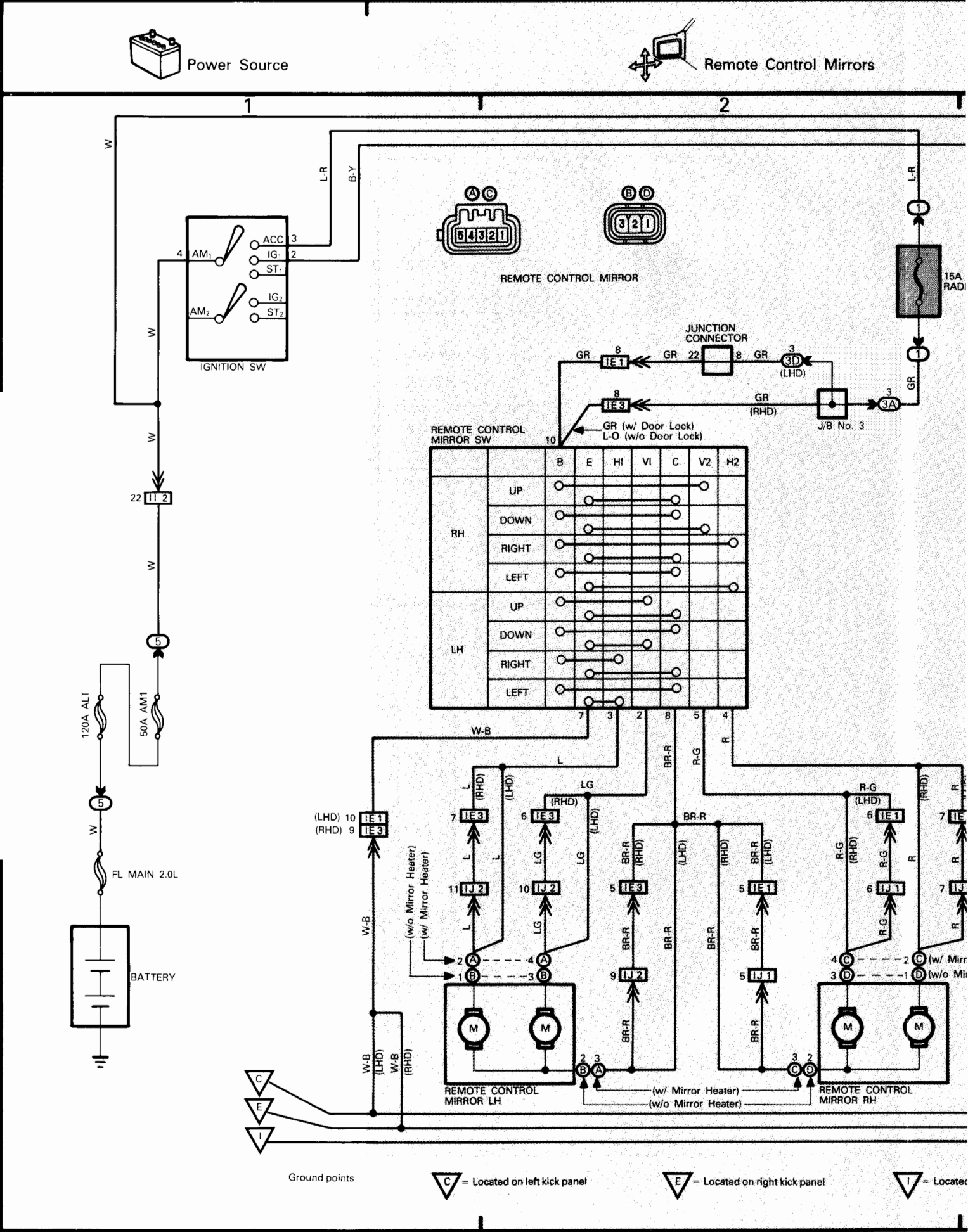
**△H** = Located on intake manifold



## Theft Deterrent System



MR2 (Cont'd)



## O &amp; CIG

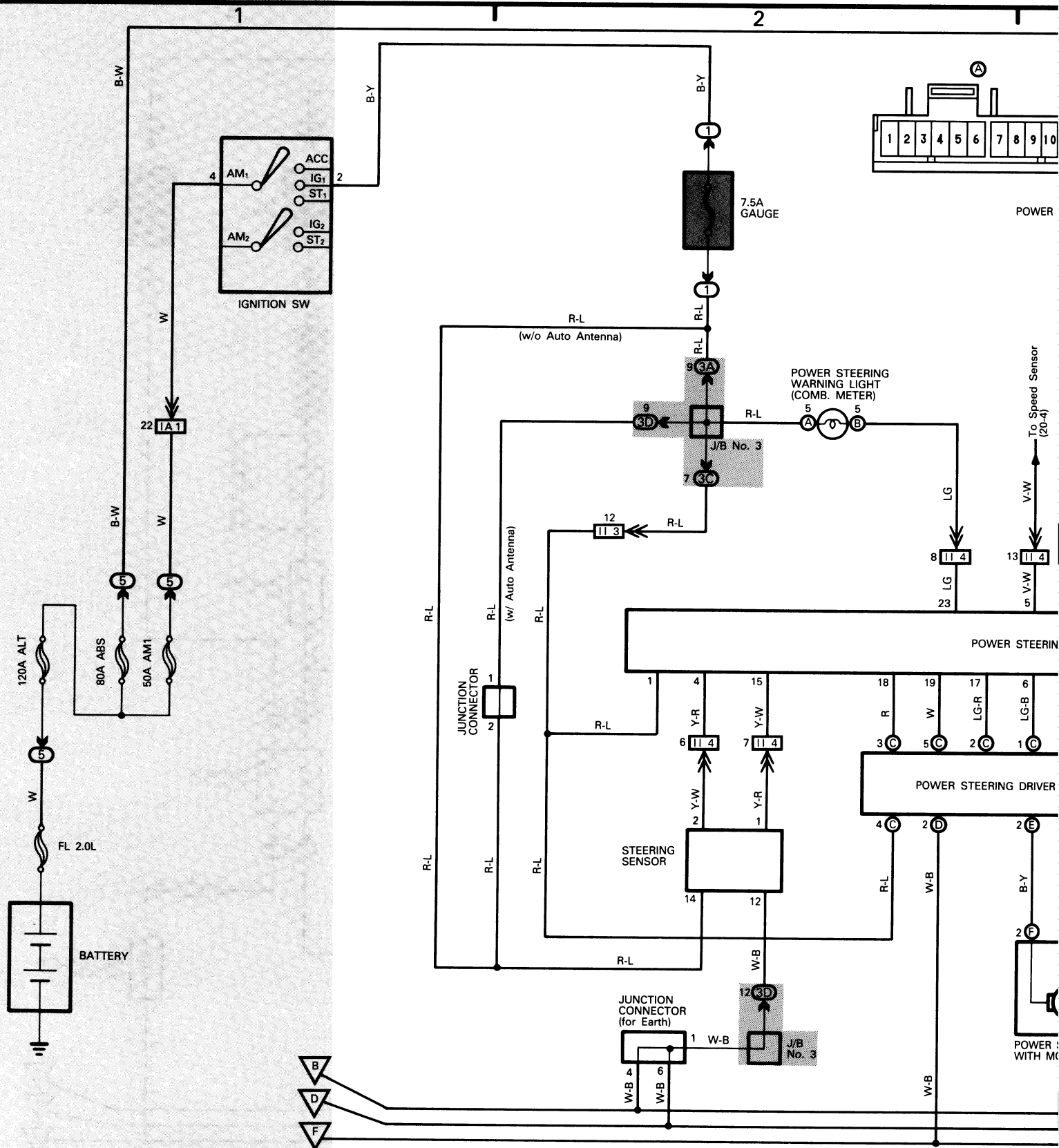


**I on right rear pillar**

# MR2 (Cont'd)



Power Source



Ground points

B = Located on left kick panel

D = Located on right kick panel

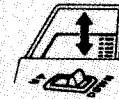
F



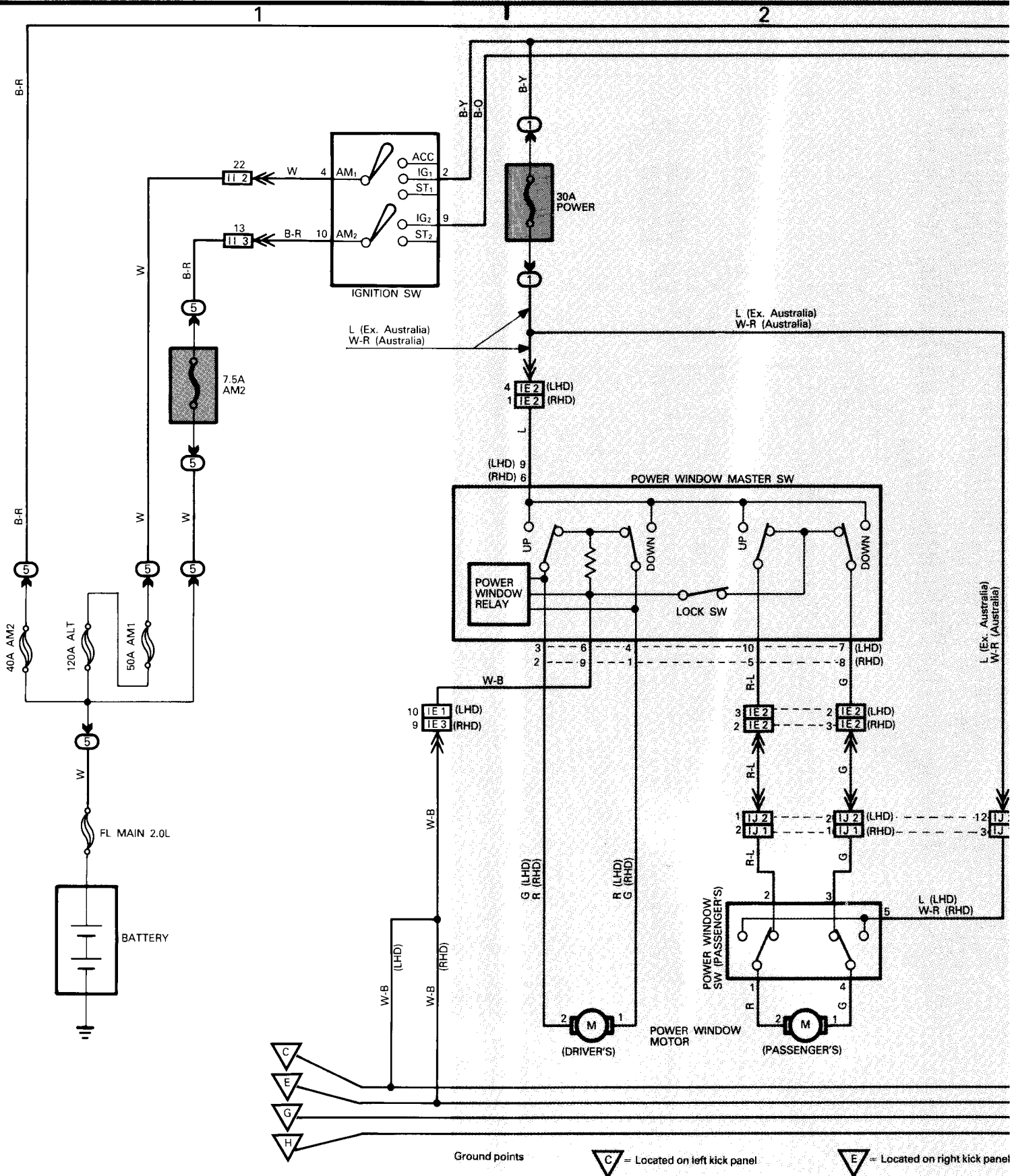
# 16 MR2 (Cont'd)



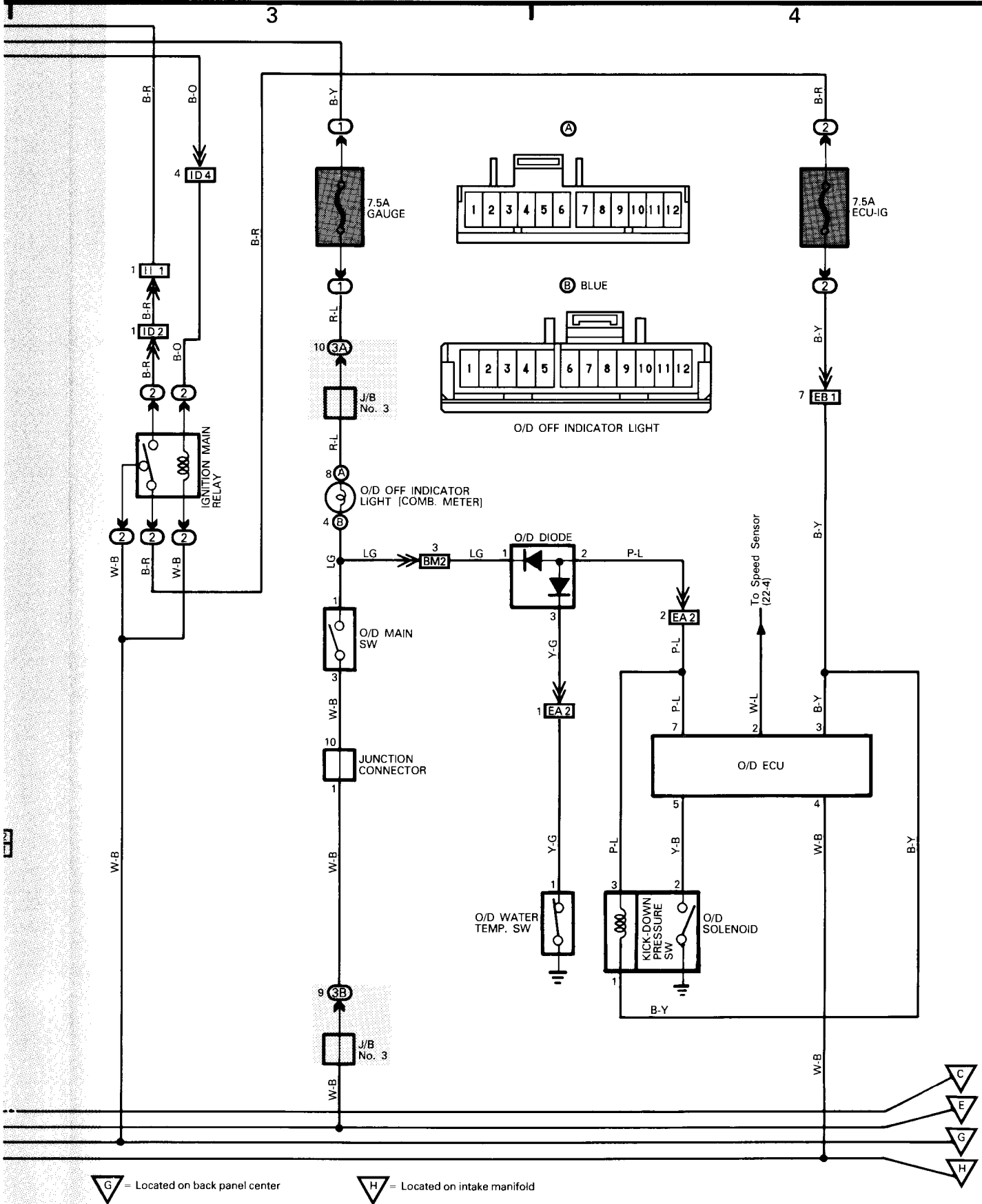
Power Source



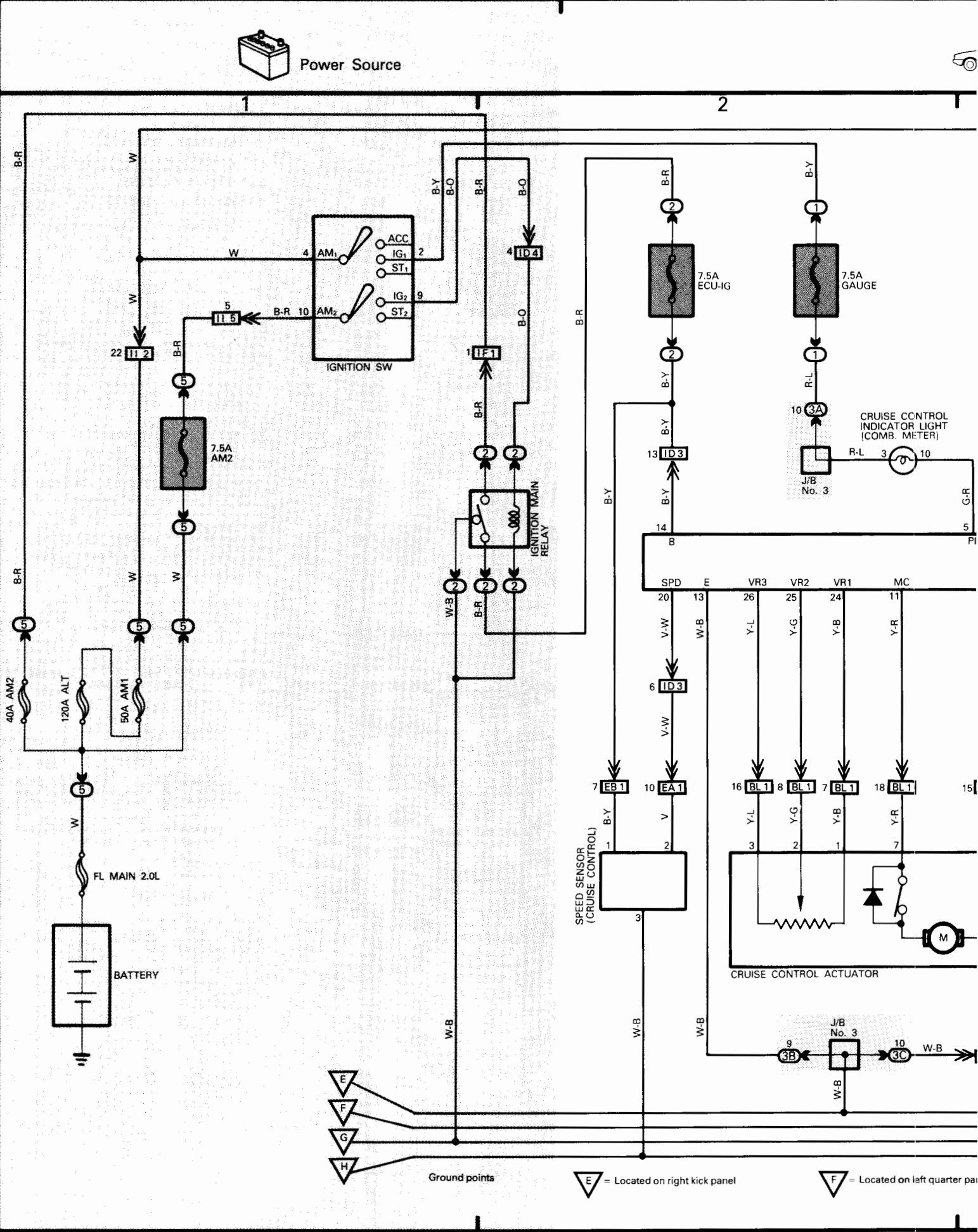
Power Window



**O/D** Over Drive



MR2 (Cont'd)

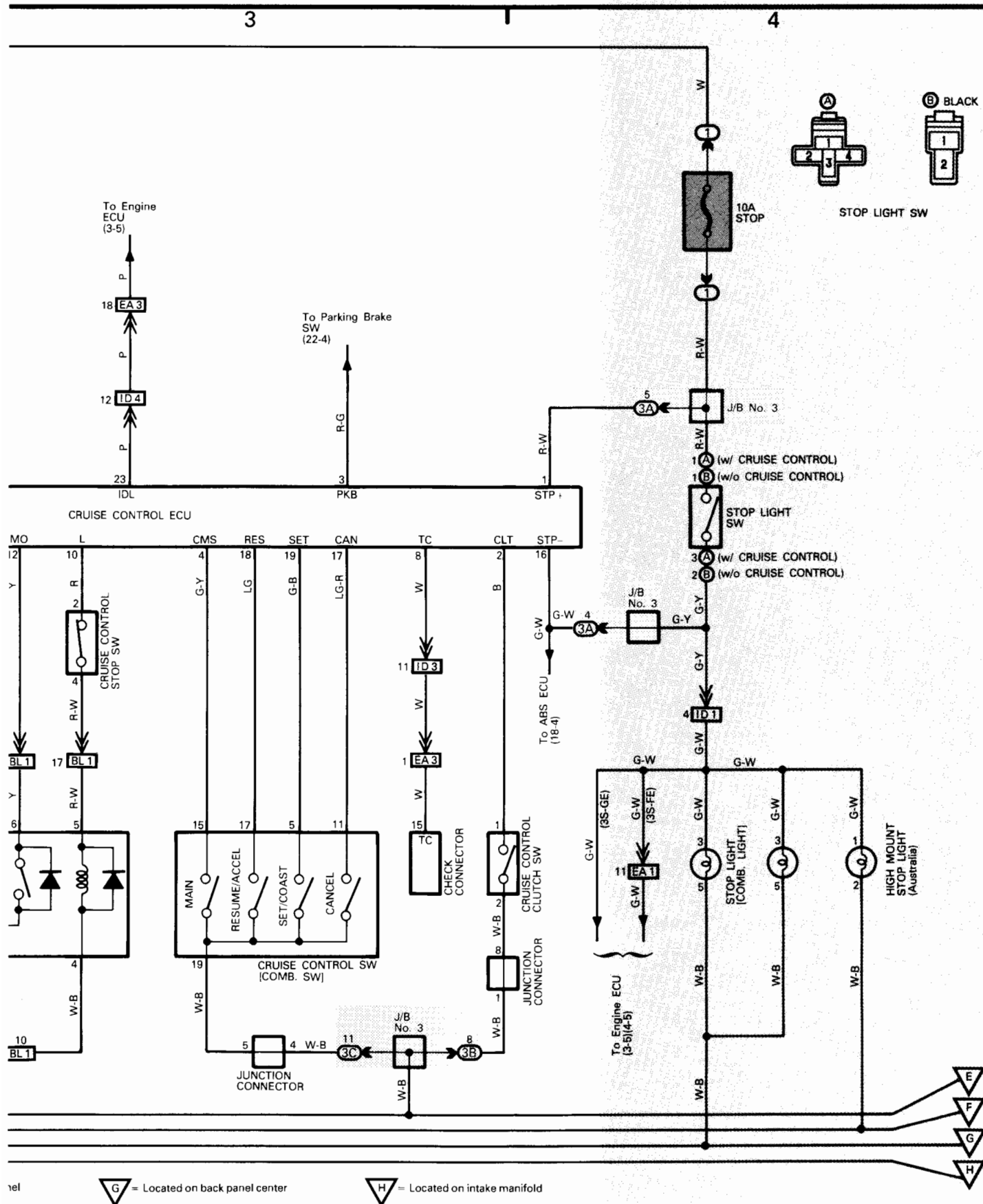




## Cruise Control



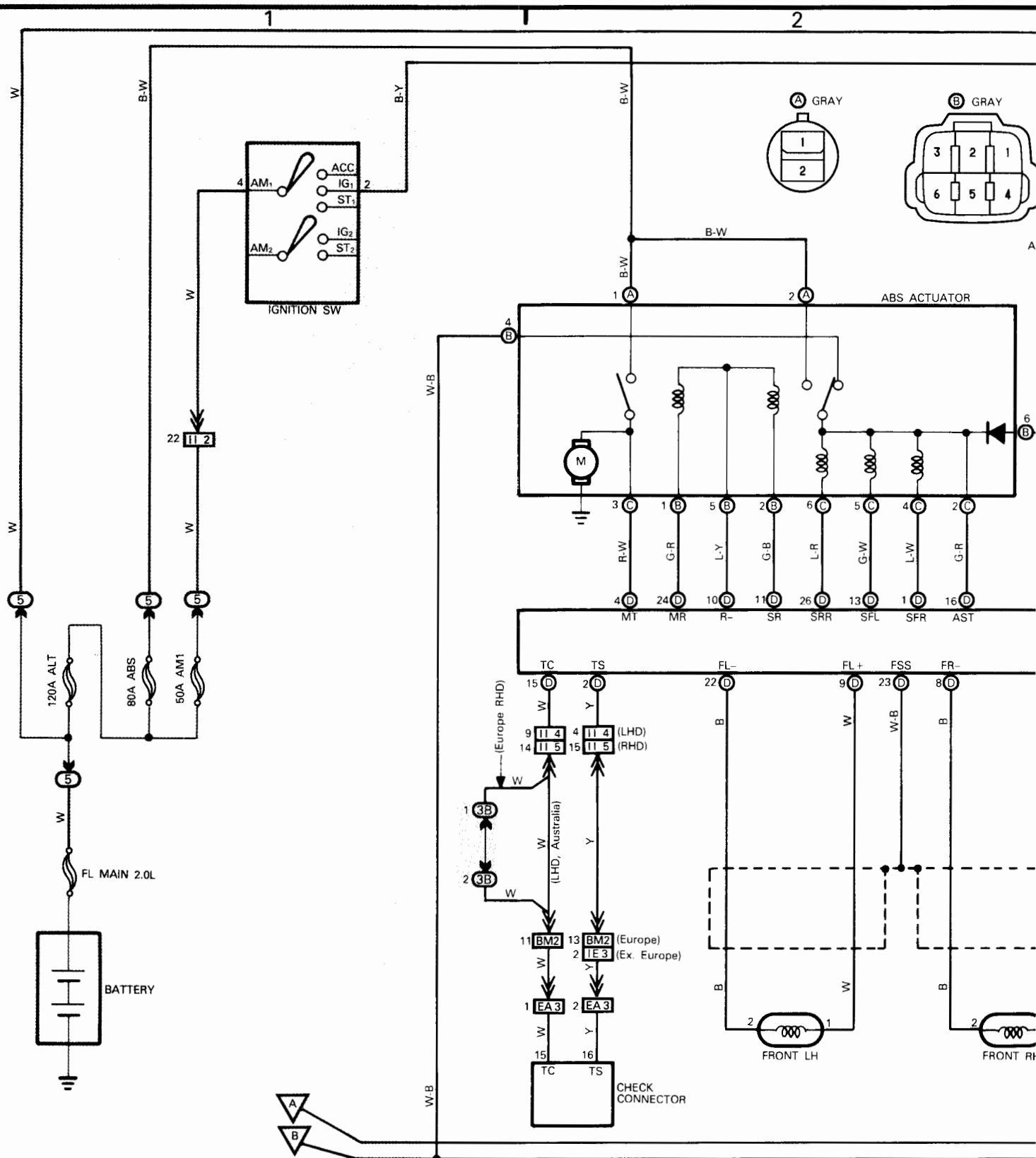
## Stop Light



# 18 MR2 (Cont'd)



Power Source

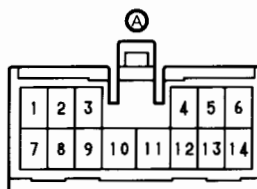
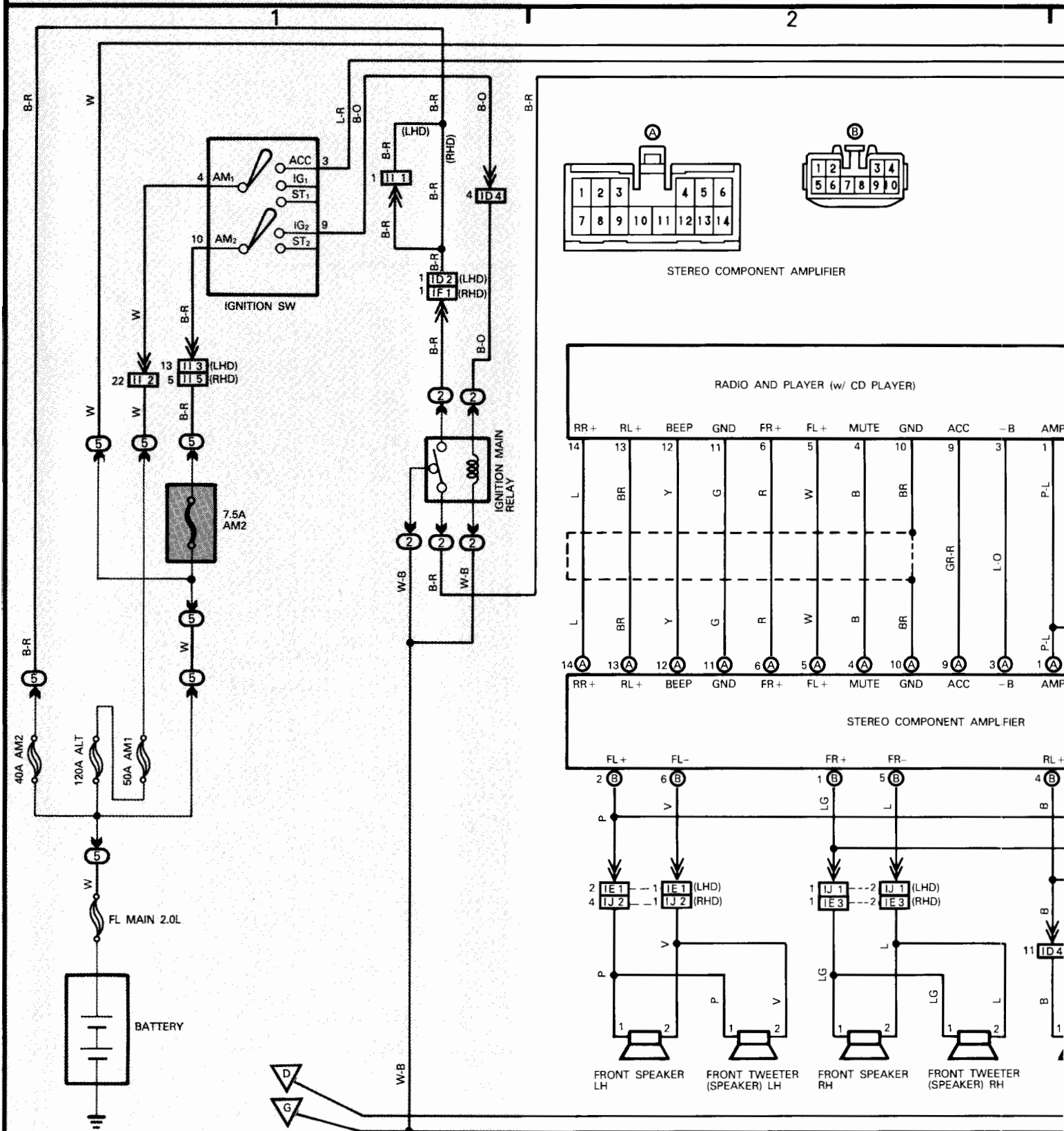


[illegible]

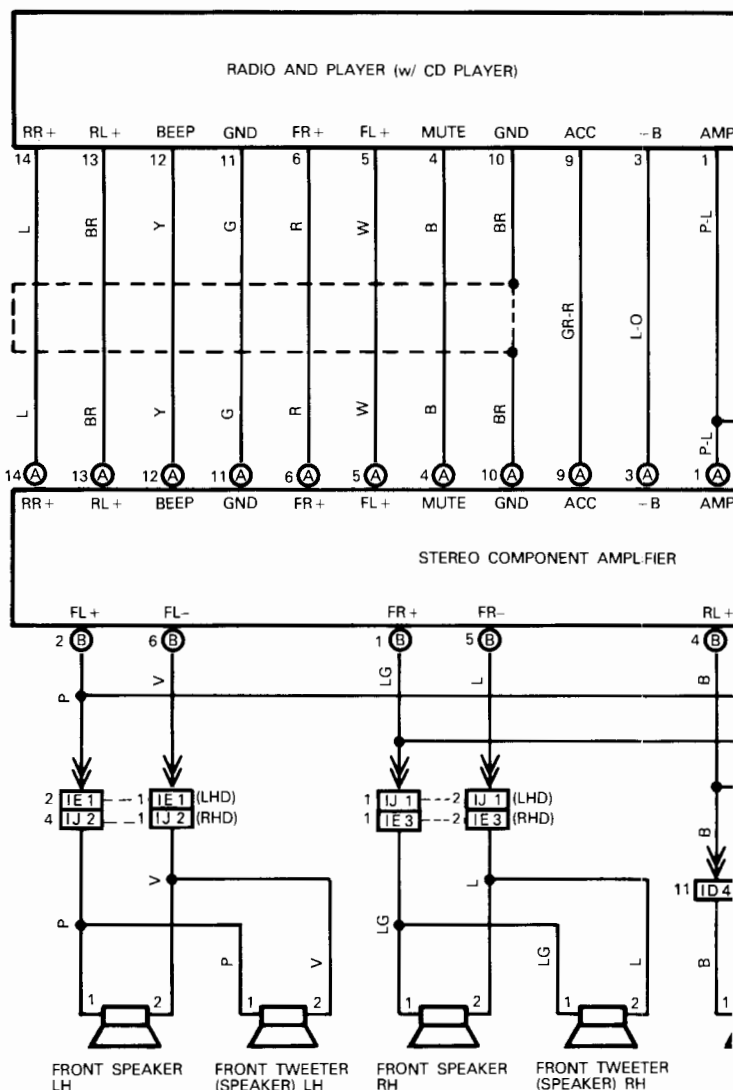
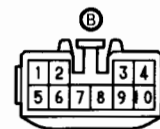
# MR2 (Cont'd)



Power Source



STEREO COMPONENT AMPLIFIER



Ground points

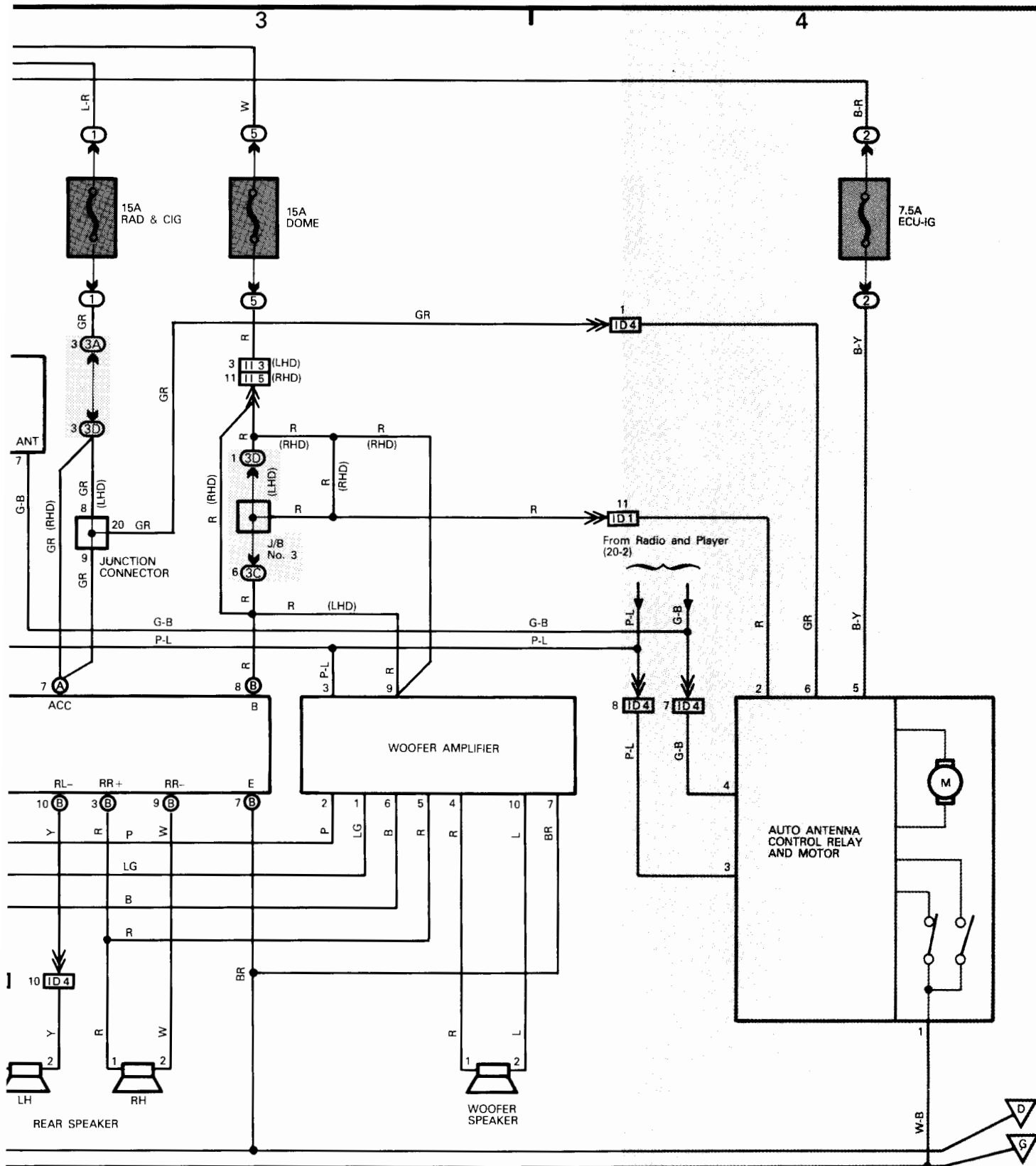
= Located on instrument panel center

= Located on back panel center

## Radio and Player (w/ CD Player)



Auto Antenna



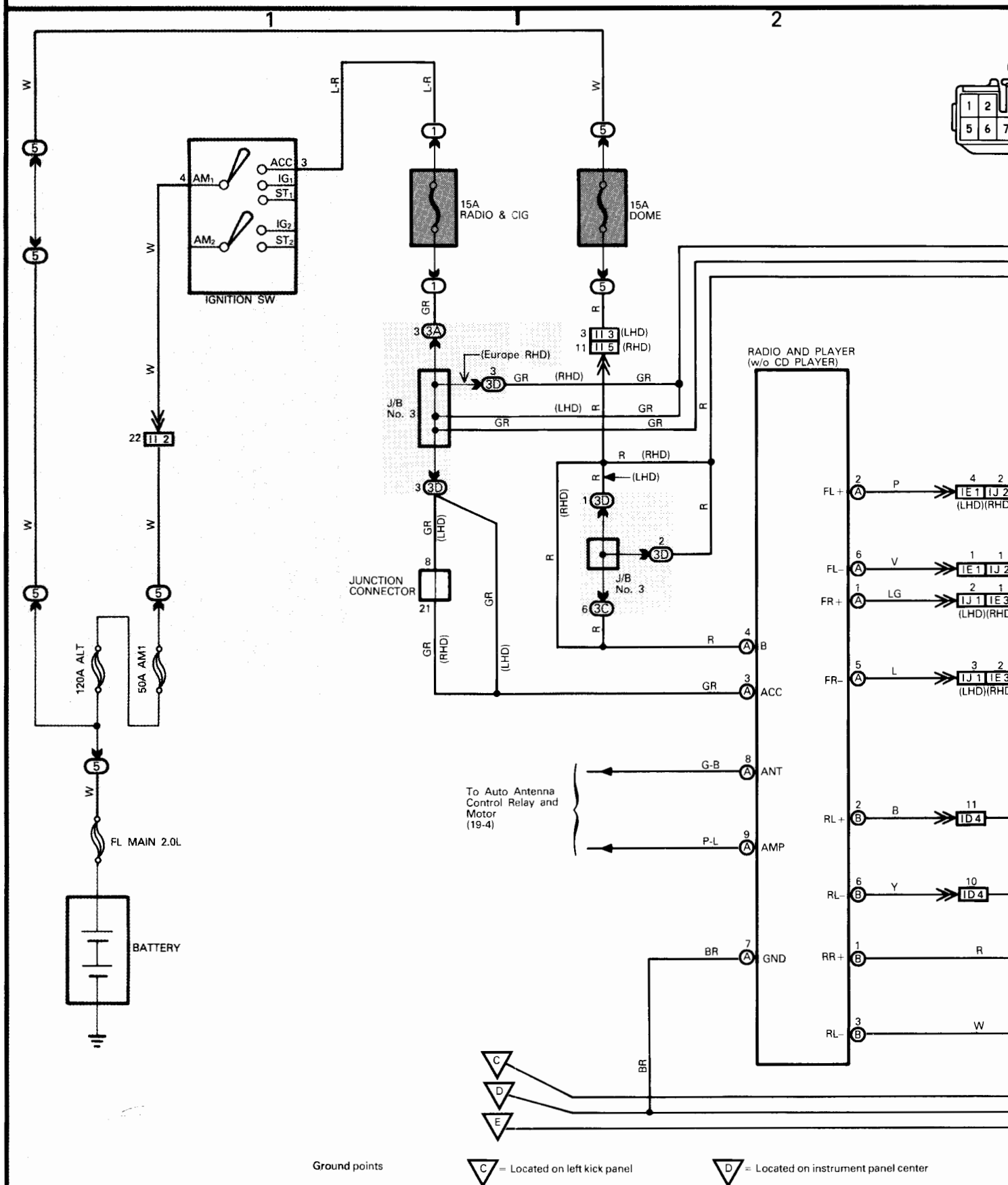
# 20 MR2 (Cont'd)



Power Source



Radio and Player (w/o)



CD Player)



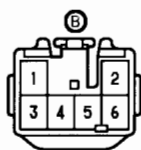
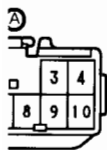
Clock



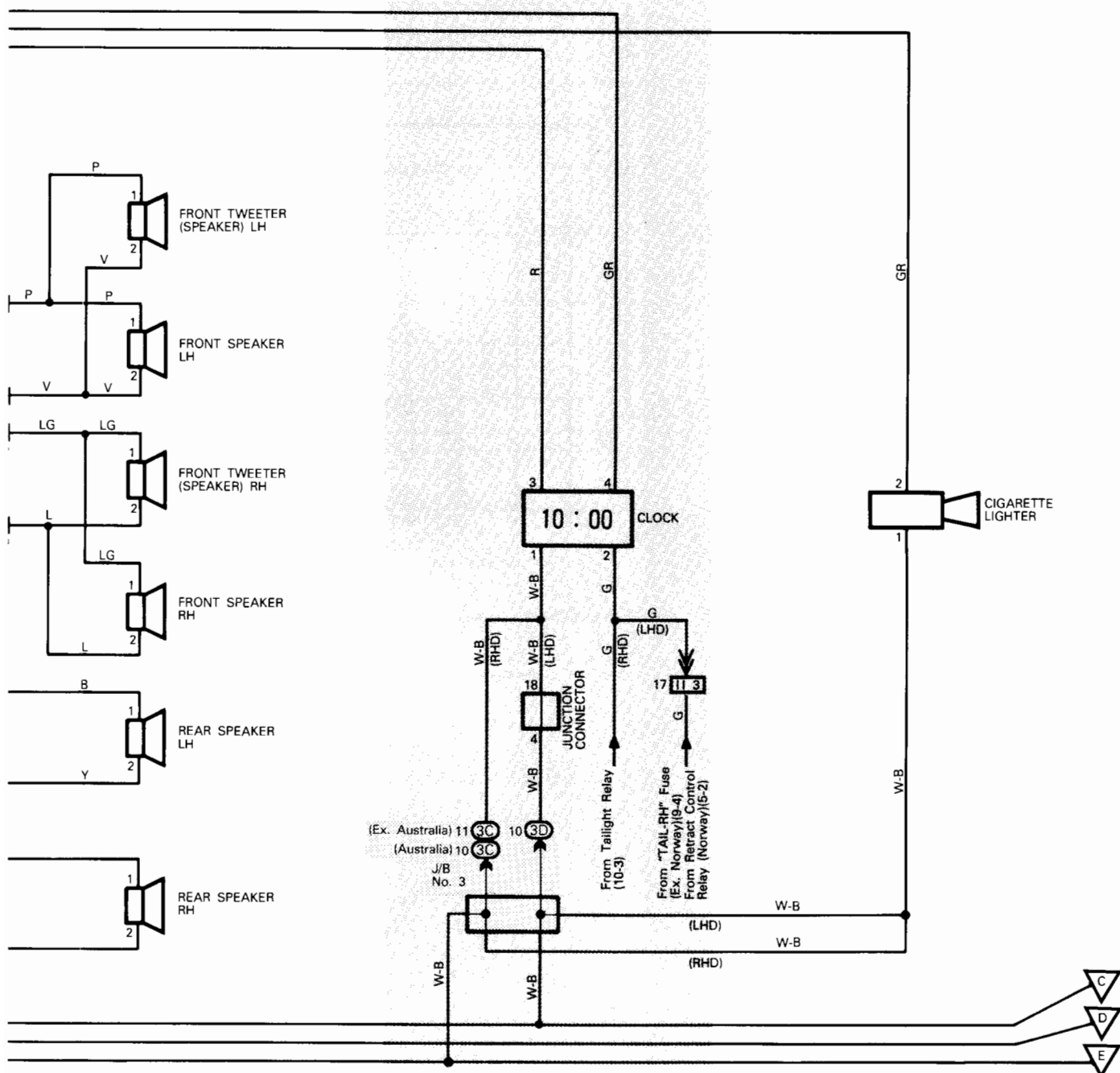
Cigarette Lighter

3

4



RADIO AND PLAYER

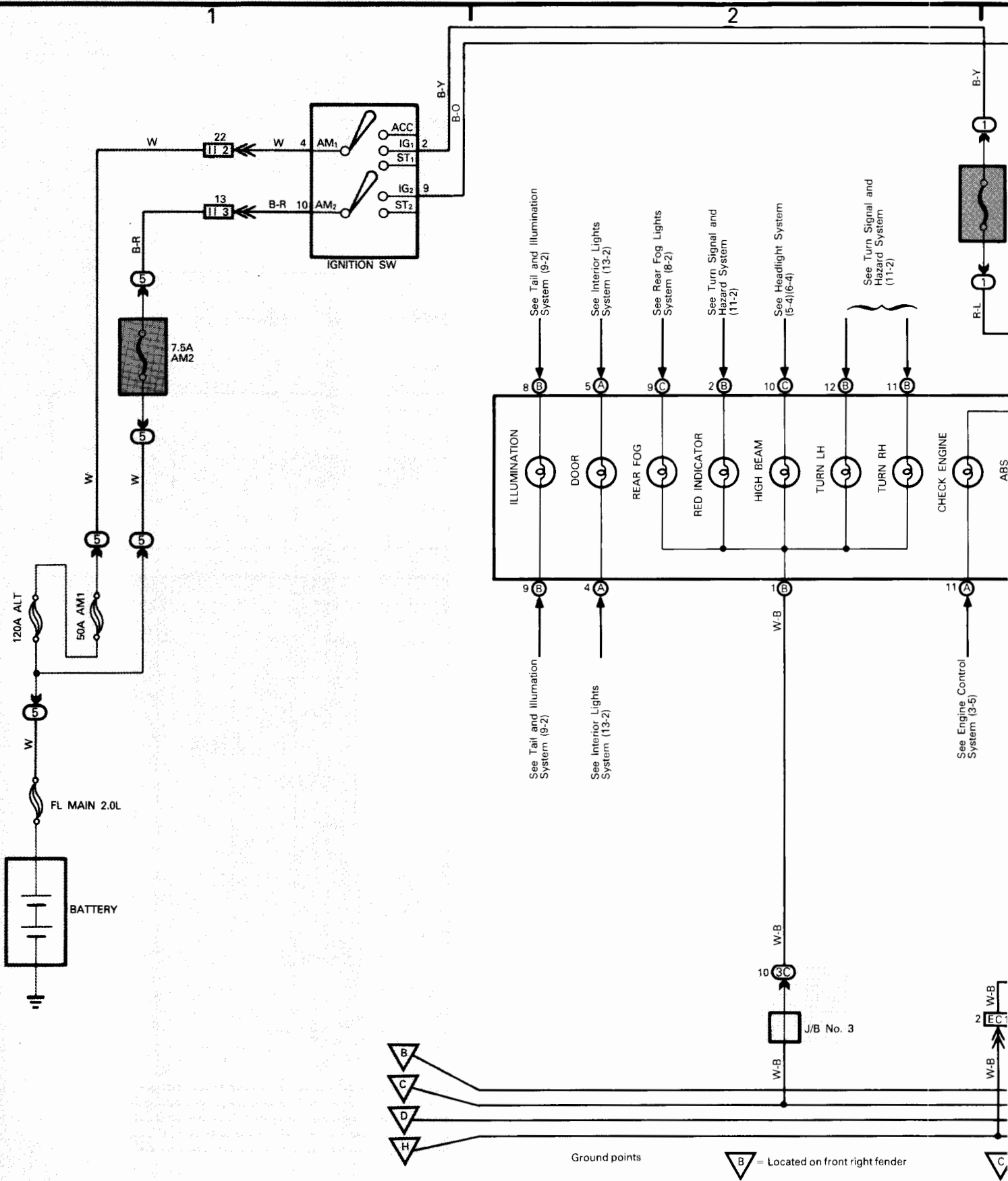


E = Located on right kick panel

MR2 (Cont'd)

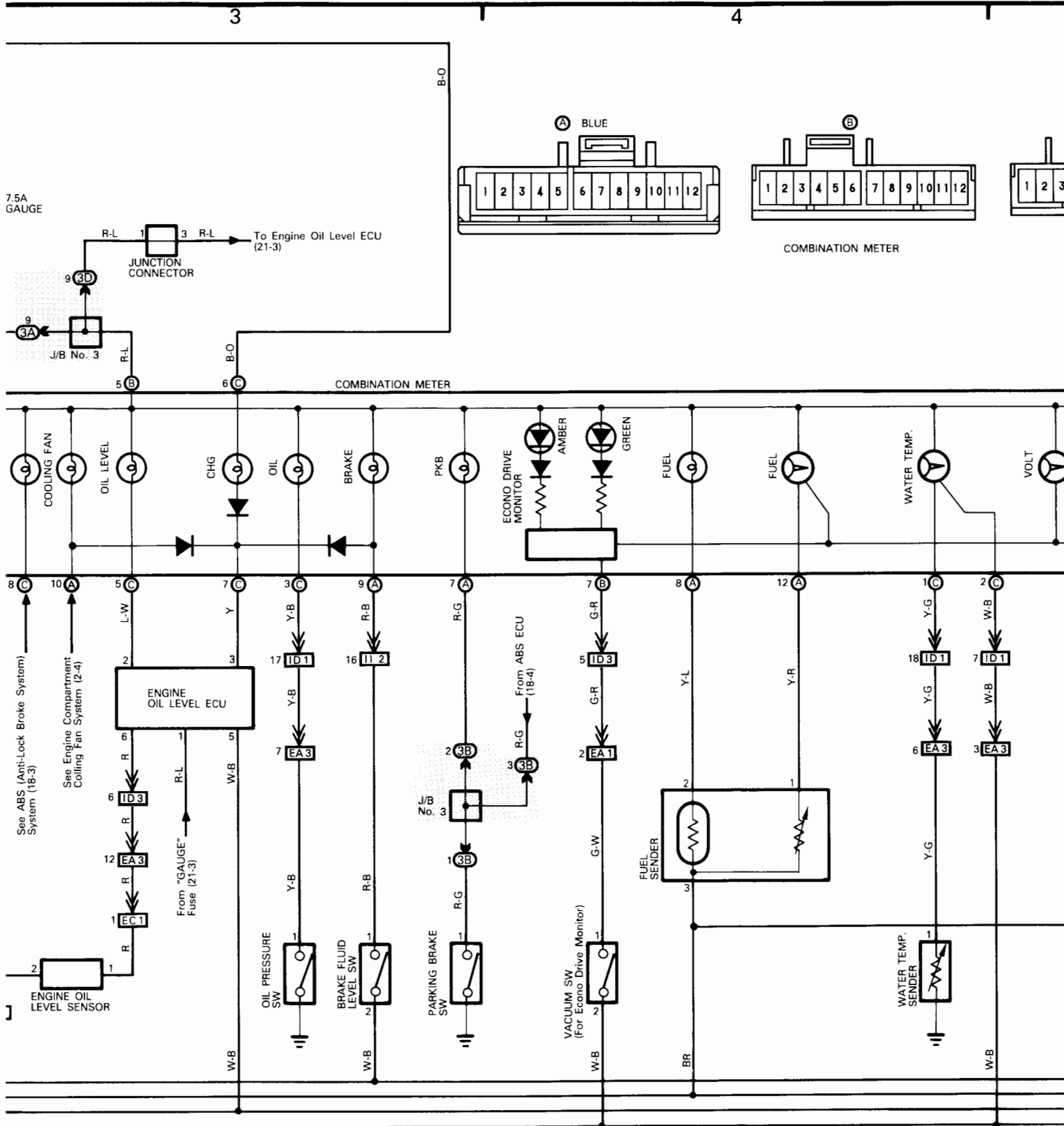


Power Source





Combination Meter (LHD)

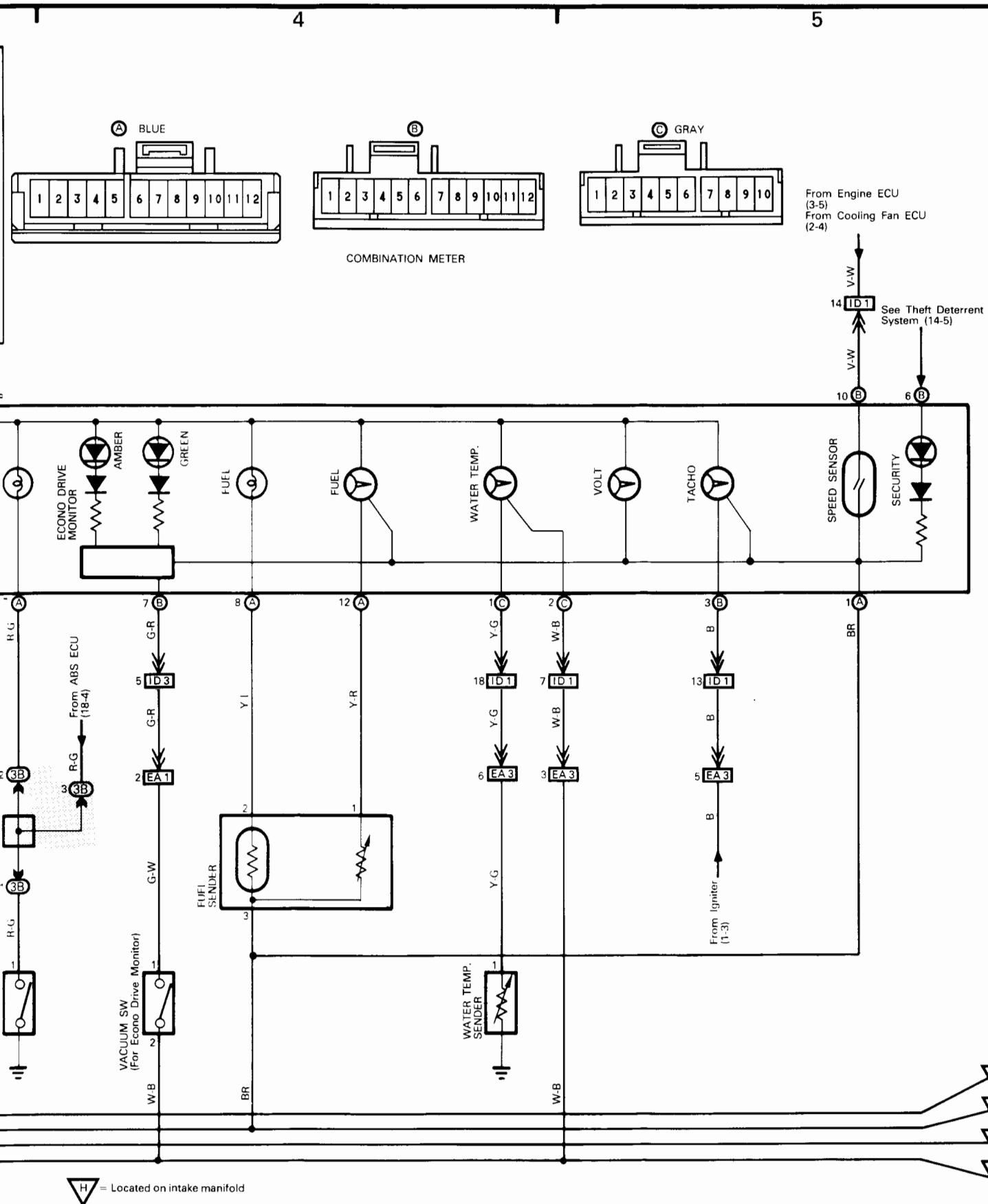


7 = Located on left kick panel

D = Located on instrument panel center

H = Located on intake manifold

## Combination Meter (LHD)



[illegible]



**Connector Pinouts:**

- (A) BLUE:** 12 pins
- (B):** 12 pins
- (C) GRAY:** 10 pins

**Instrument Cluster Components and Connections:**

- COMBINATION METER:**
  - From Engine ECU (3S-FE)(4-5): V-W to 11, EA3
  - From O/D ECU (16-4): V-W to 14, ID1
  - From Engine ECU (3S-GE)(3-5): V-W to 14, ID1
  - From Cooling Fan ECU (2-4): V-W to 14, ID1
  - (Australia): V-W to 6, 3D
  - (Europe): V-W to 5, 3D
  - (Europe) 4: V-W to 4, B
  - (Australia) 4: V-W to 4, B
- FUEL GAUGE:**
  - FUEL SENDER: 1 (H), 2 (E), 3 (B)
  - From ABS ECU (18-4): R-G to 1, 3B
  - From Cruise Control ECU (17-3): R-G to 2, 3B
  - PARKING BRAKE SW: 1 (H), 2 (E), 3 (B)
- WATER TEMP. GAUGE:**
  - WATER TEMP. SENDER: 1 (H), 2 (E), 3 (B)
- VOLT GAUGE:**
  - From Igniter (1-3): B to 13, ID1
  - From Igniter (1-3): B to 5, EA3
- TACHO GAUGE:**
  - From Igniter (1-3): B to 13, ID1
  - From Igniter (1-3): B to 5, EA3
- SPEED SENSOR:**
  - From Igniter (1-3): B to 13, ID1
  - From Igniter (1-3): B to 5, EA3
- SECURITY SYSTEM:**
  - See Theft Deterrent System (14-5)

**Legend:**

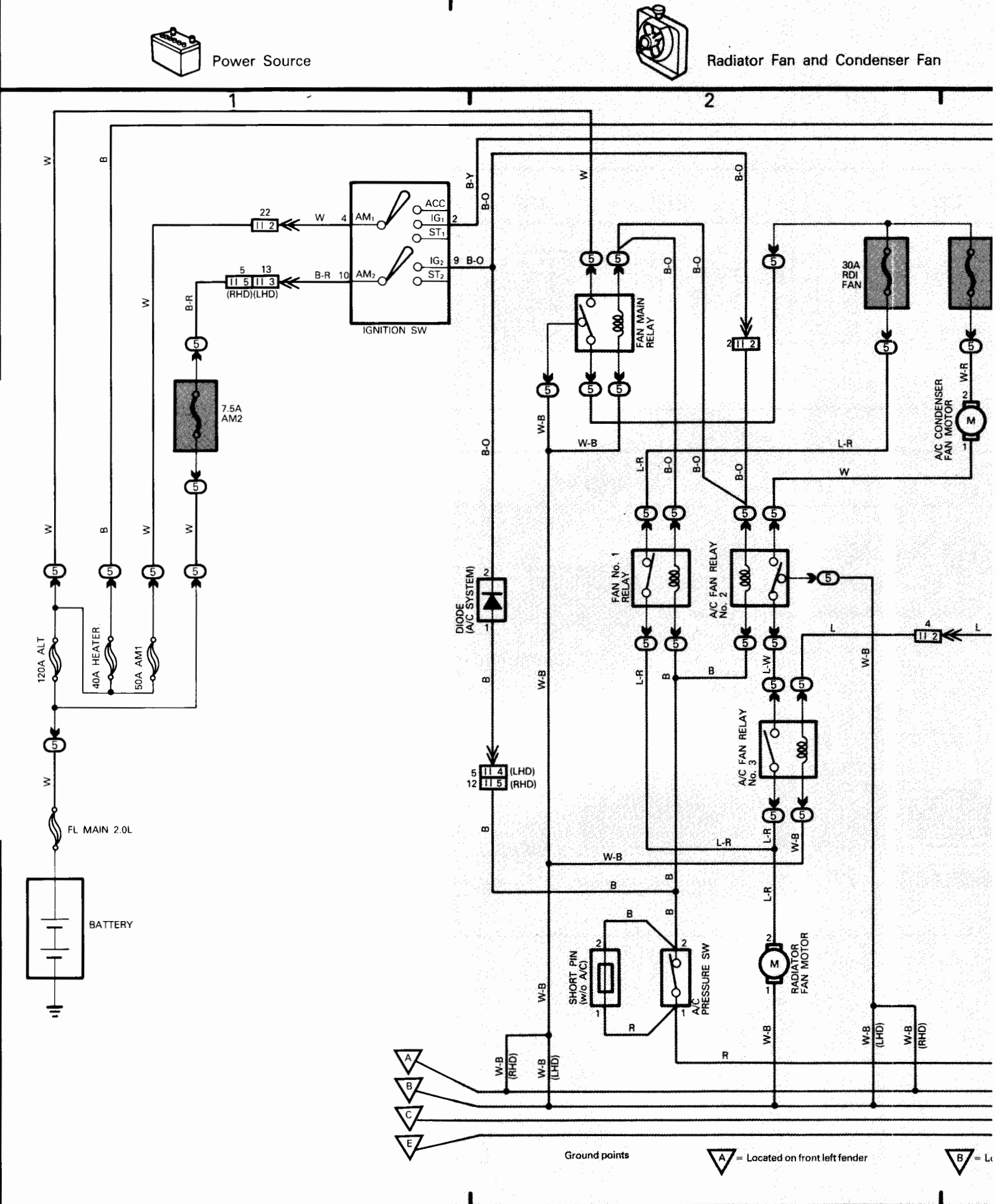
- E** = Located on right kick panel
- H** = Located on intake manifold

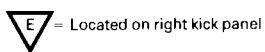
enter

 = Located on right kick panel

 H = Located on intake manifold

MR2 (Cont'd)





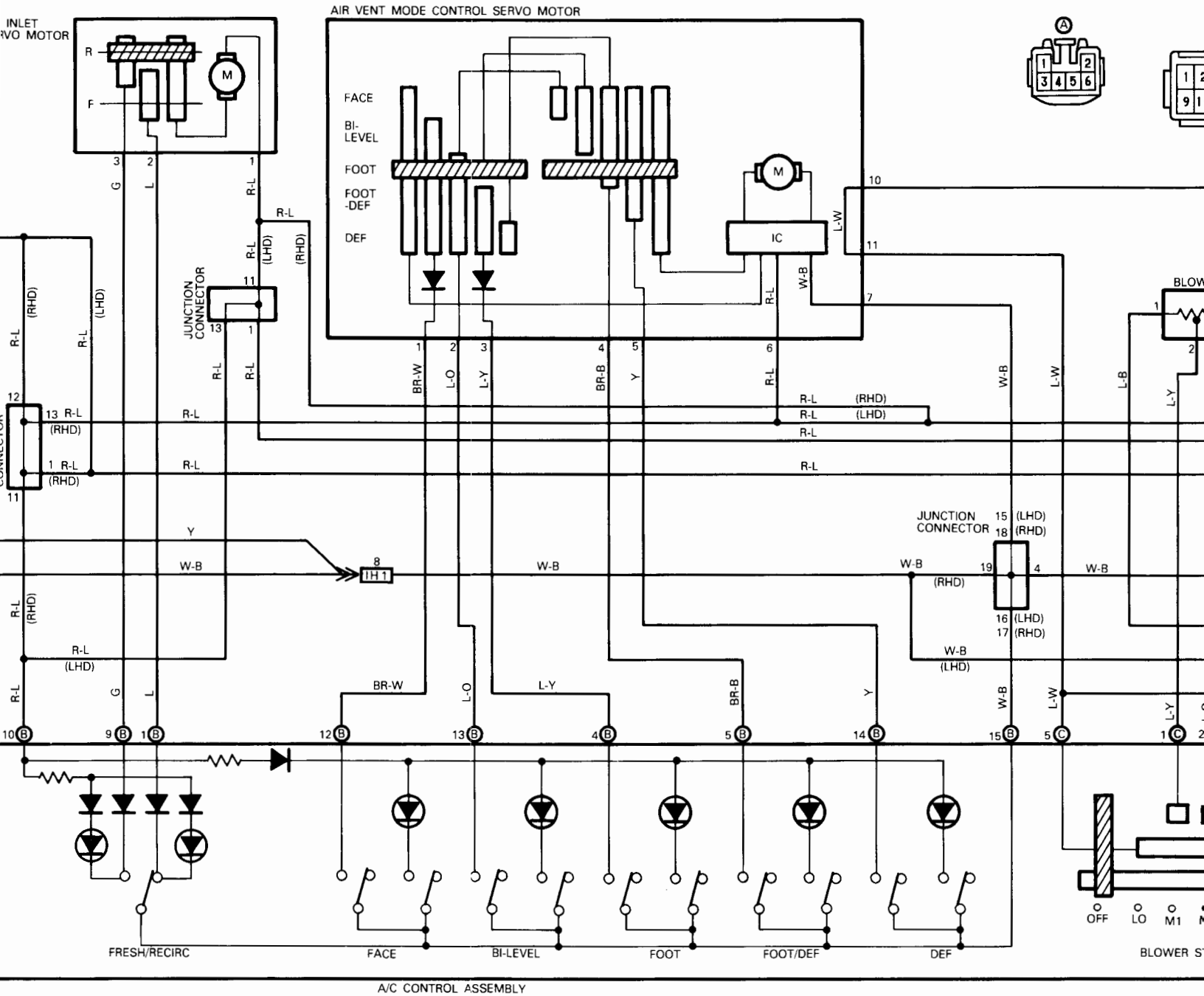


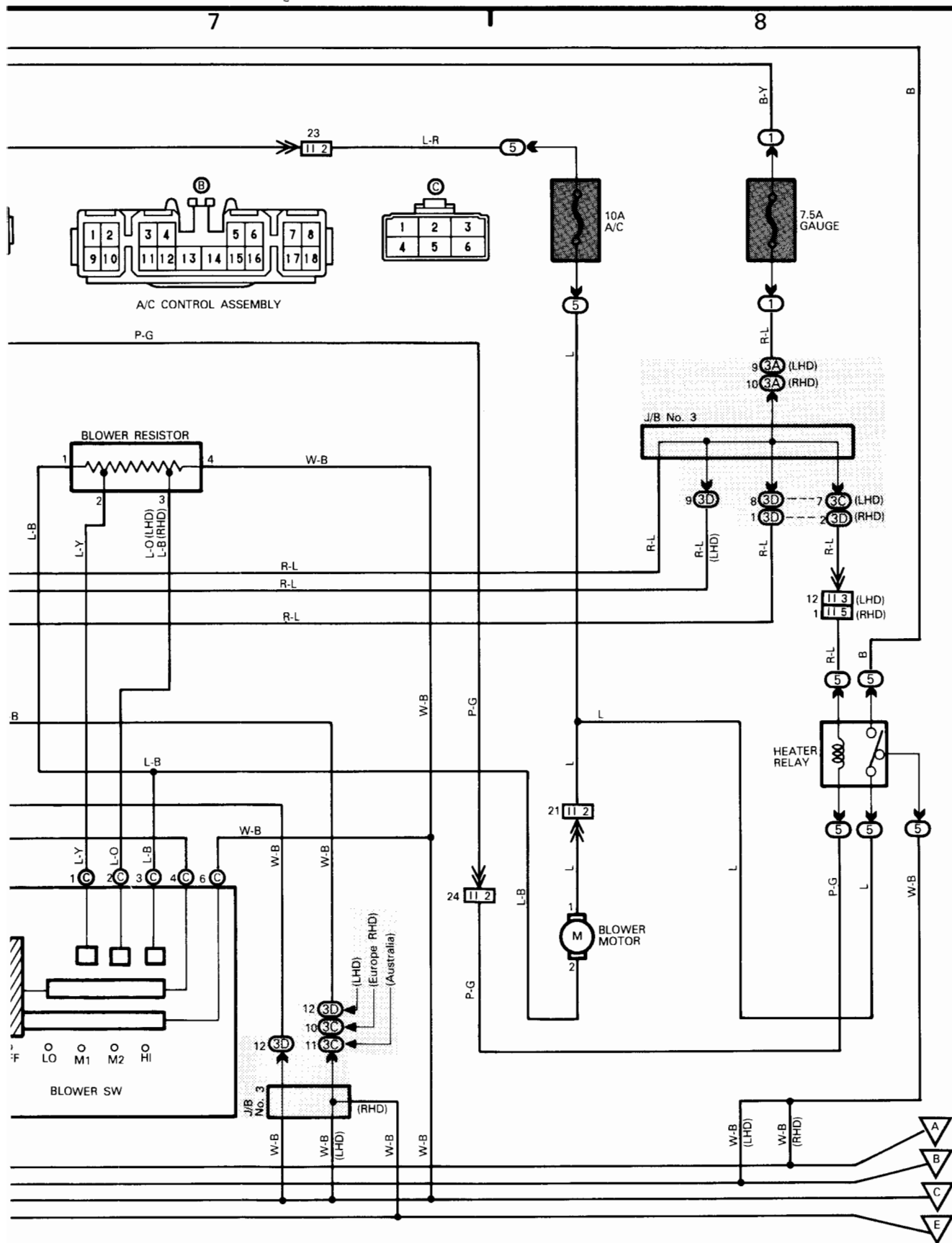
# Air Conditioner, Cooler and Heater

5

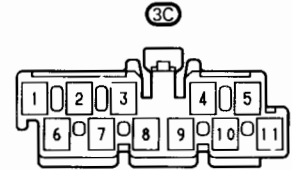
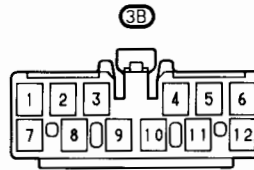
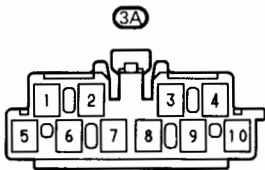
6

L-R

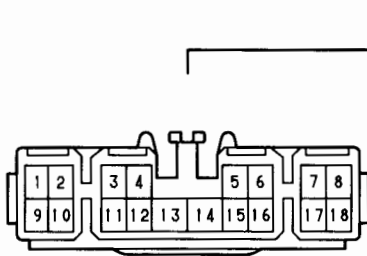




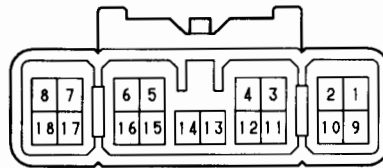
**Junction Block and Wire Harness Connector  
J/B No. 3 (Behind Combination Meter)**



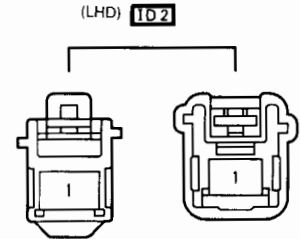
**(I Groupe : Instrument Panel and surrounding Area)**



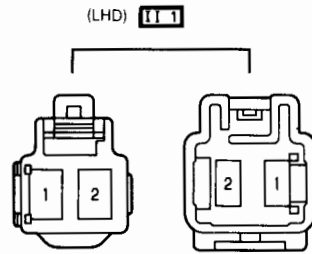
ENGINE ROOM MAIN WIRE



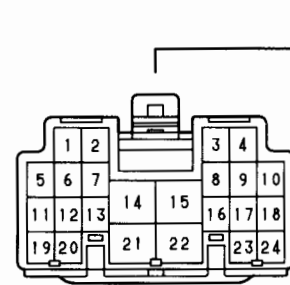
COWL WIRE



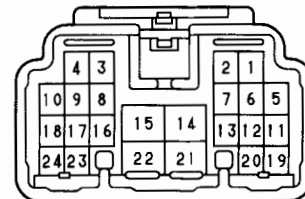
ENGINE ROOM MAIN WIRE COWL WIRE



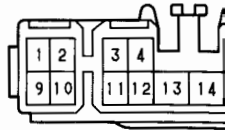
LUGGAGE COMPARTMENT WIRE COWL WIRE



LUGGAGE COMPARTMENT WIRE

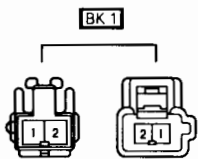


COWL WIRE

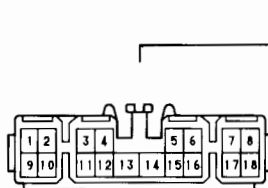


LUGGAGE COMPARTMENT WIRE

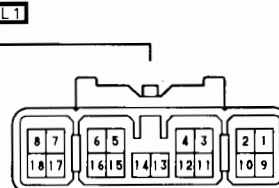
**(B Group : Body and Surrounding Area)**



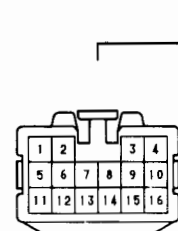
ROOF WIRE COWL WIRE



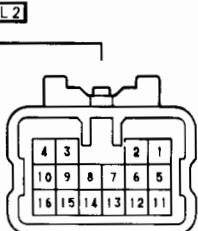
FLOOR WIRE



COWL WIRE



FLOOR WIRE



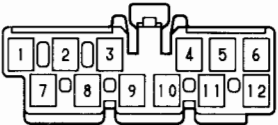
COWL WIRE

3

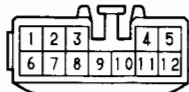
4

## Connector Joining Wire Harness and Wire harness (E Groupe : Engine Compartment Area)

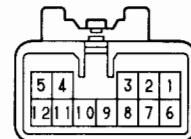
3D



EA1

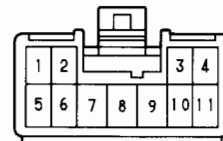


ENGINE WIRE

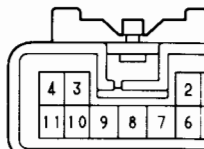


ENGINE ROOM MAIN WIRE

EA2

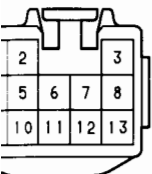


ENGINE WIRE

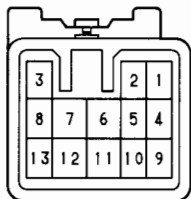


ENGINE ROOM MAIN WIRE

ID3

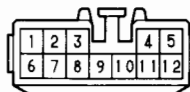


ENGINE ROOM MAIN WIRE

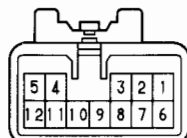


COWL WIRE

ID4

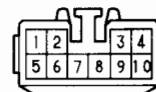


ENGINE ROOM MAIN WIRE

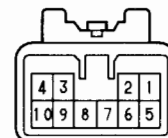


COWL WIRE

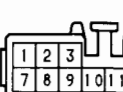
(LHD) IE1



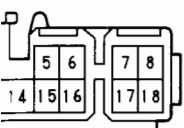
FRONT DOOR LH WIRE



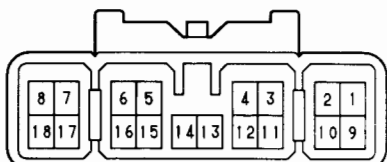
COWL WIRE

FRONT DOOR  
(LHD)  
FRONT DOOR  
(RHD)

(LHD) II3

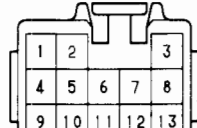


ENGINE ROOM MAIN WIRE

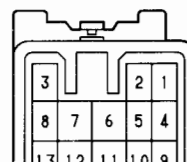


COWL WIRE

(LHD) II4

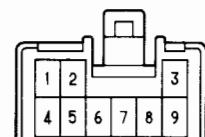


LUGGAGE COMPARTMENT WIRE

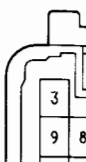


COWL WIRE

(RHD) II5



LUGGAGE COMPARTMENT WIRE

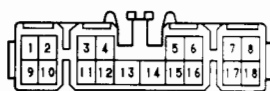


BM1

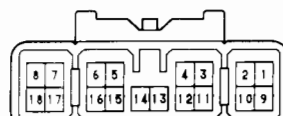
ENGINE ROOM  
MAIN WIRE

COWL WIRE

(RHD) BM2



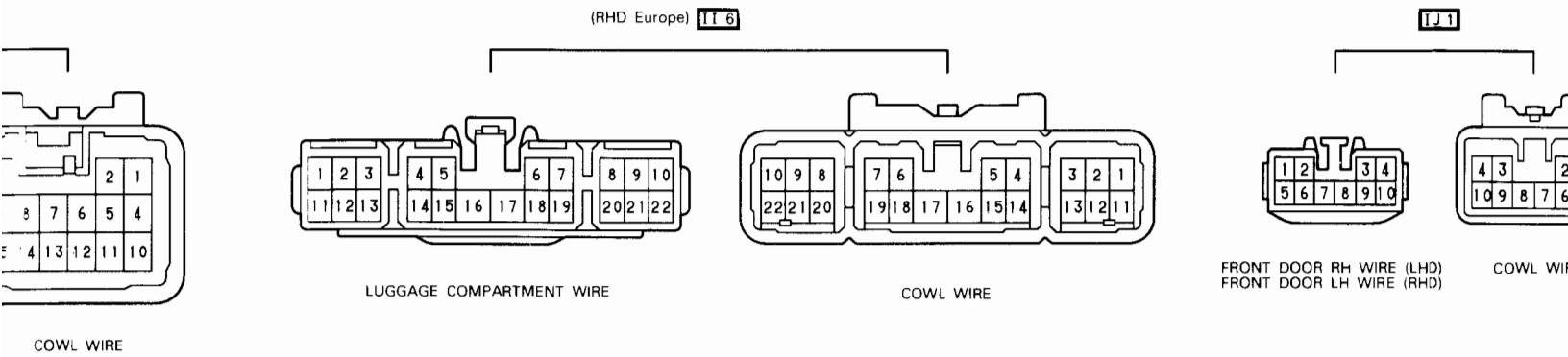
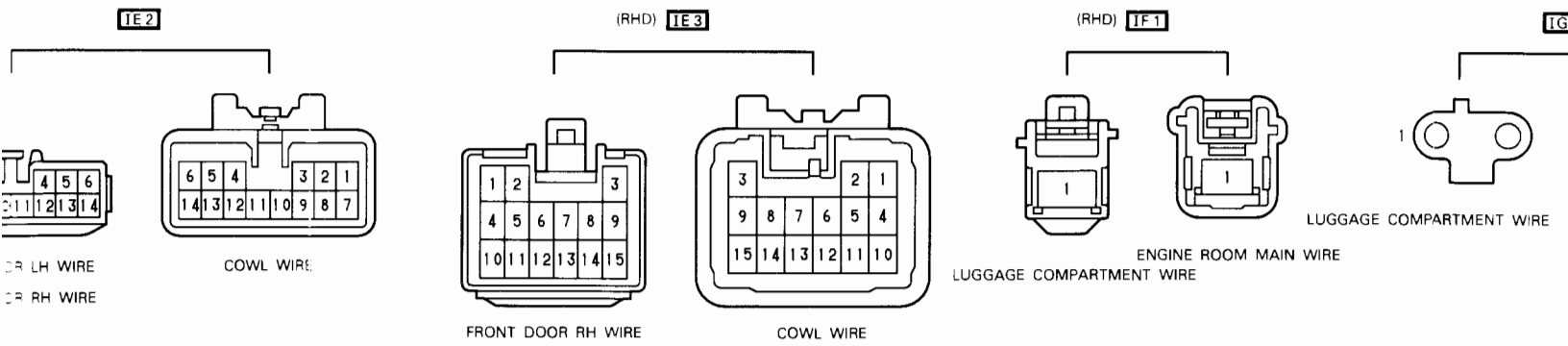
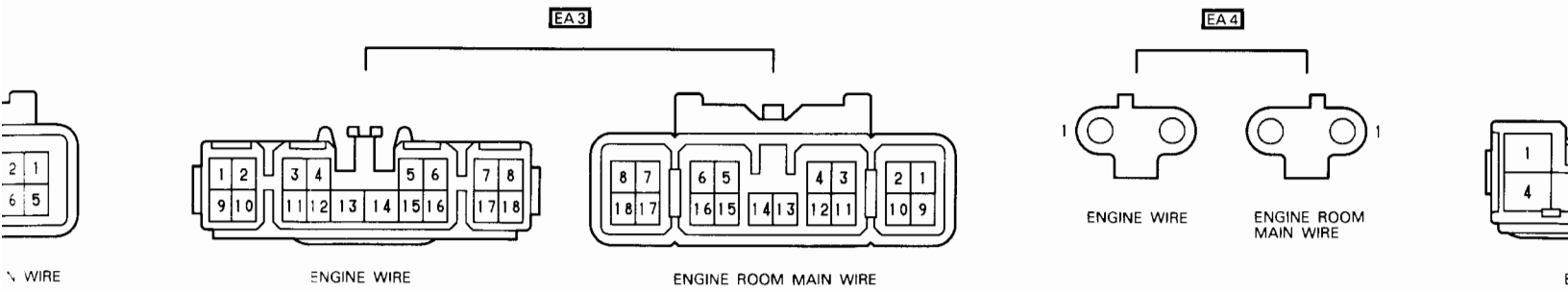
ENGINE ROOM MAIN WIRE



COWL WIRE

5

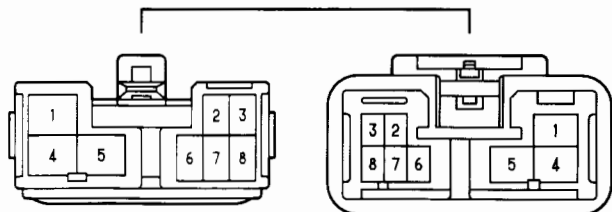
6



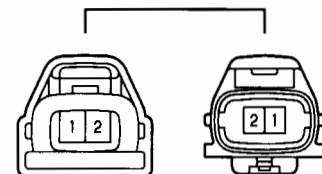
7

8

EB 1



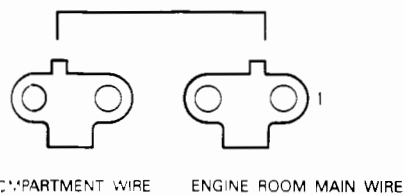
EC 1 GRAY



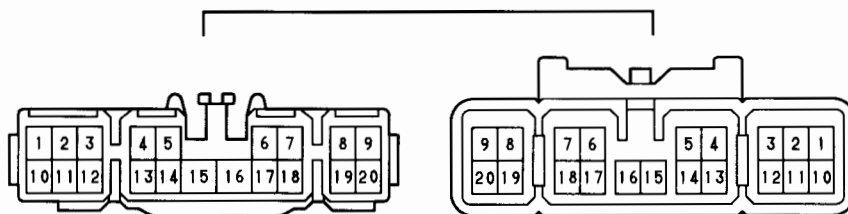
ENGINE No. 4 WIRE

ENGINE WIRE

IG 1



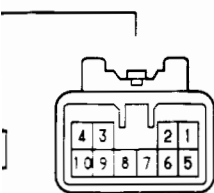
IH 1



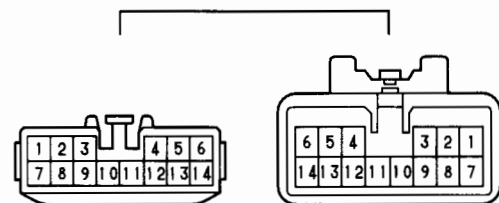
COWL WIRE

A/C SUB WIRE

IJ 1



IJ 2



COWL WIRE

FRONT DOOR RH WIRE (LHD)  
FRONT DOOR LH WIRE (RHD)