

(A): System Title

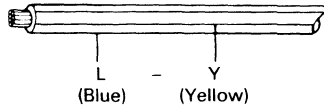
(B): Indicates the wiring color.

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



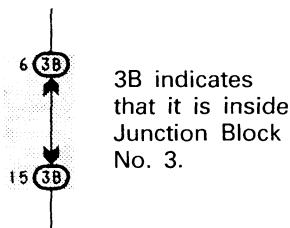
The numbering system for the overall wiring diagram is the same as above.

(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).

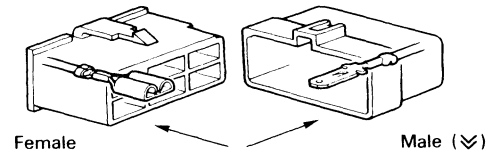
Example:



(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.
















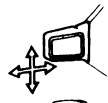



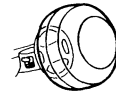




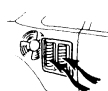



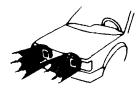
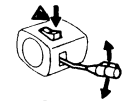
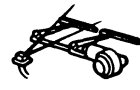





(I): () are used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

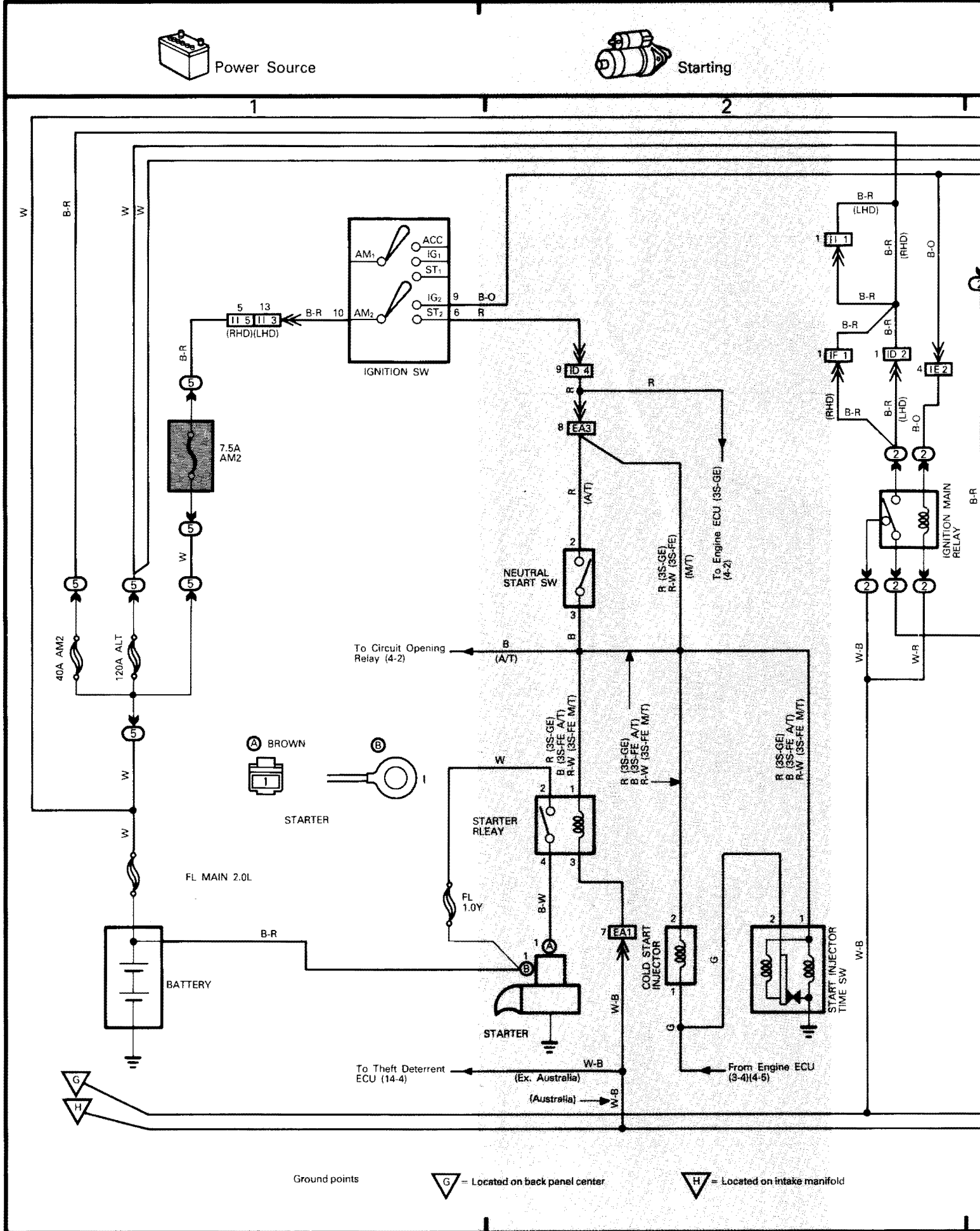
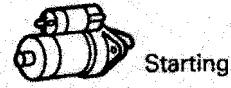
(J): Indicates a sealed wiring harness.



(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)





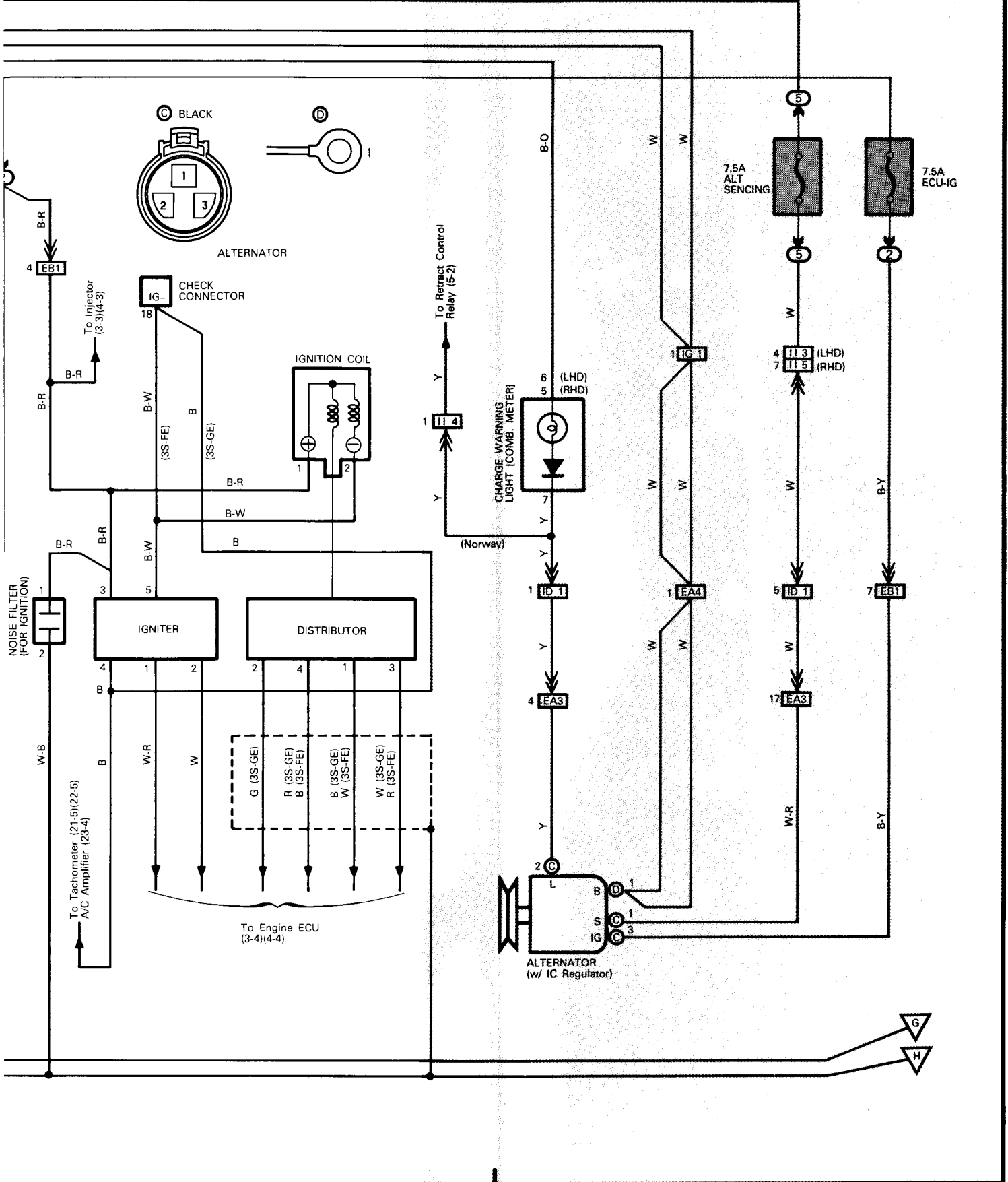
Ignition



Charging

3

4



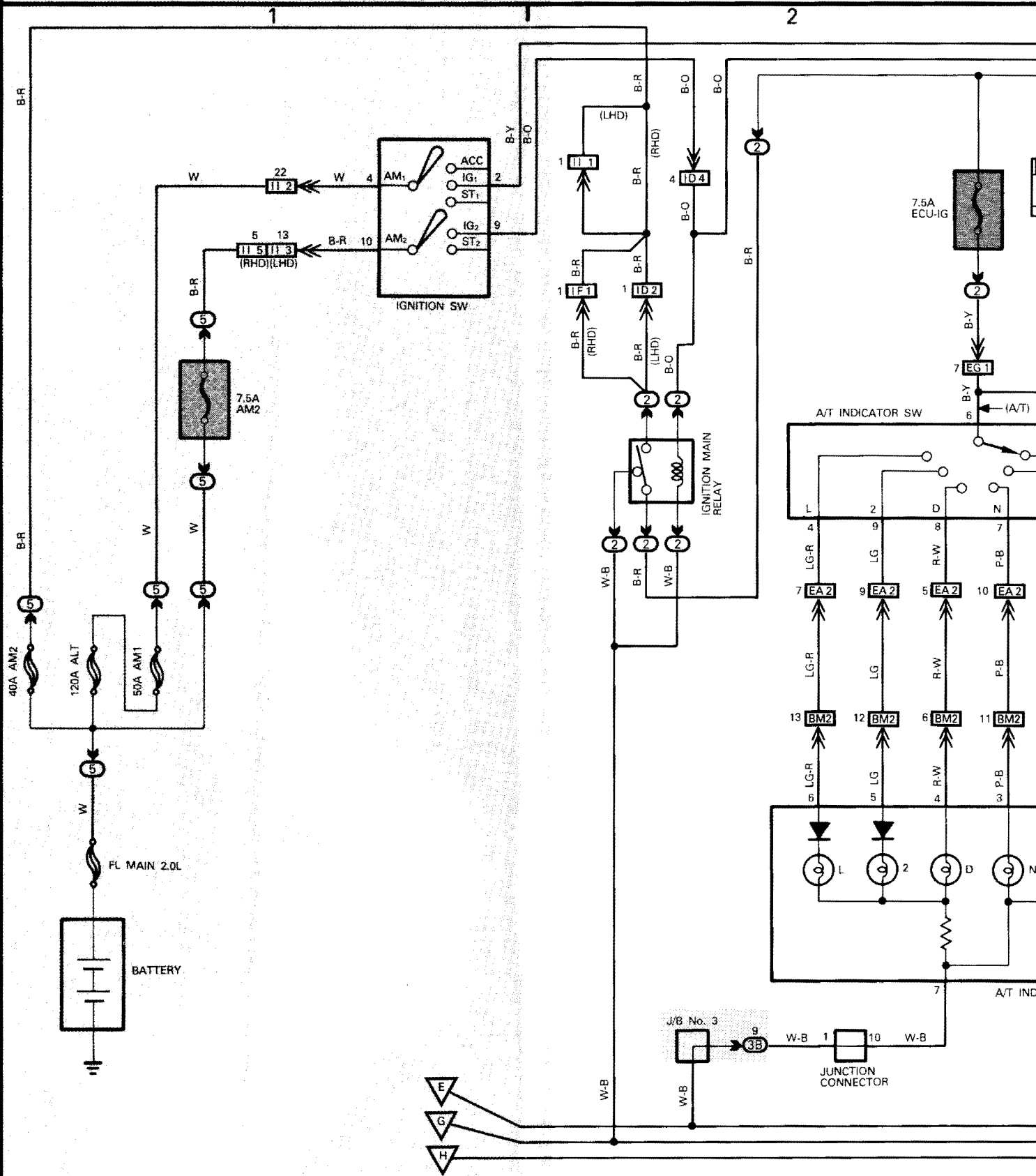
2 MR2 (Cont'd)



Power Source



Automatic Transmitter



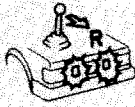
Ground points

E = Located on right kick panel

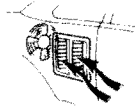
G = Located on back panel center

H =

Indicator



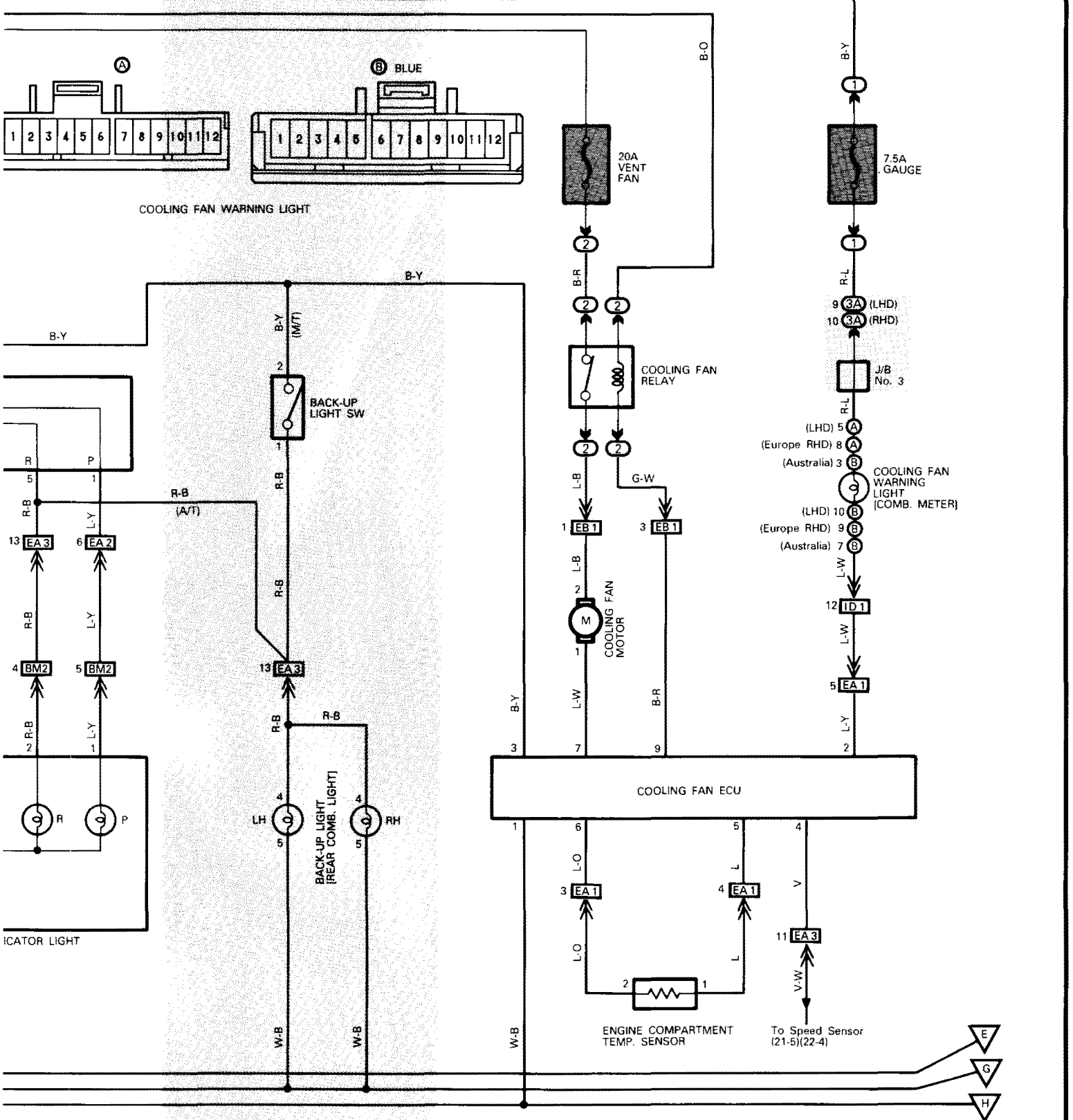
Back-Up Light



Engine Compartment Cooling Fan

3

4



Located on intake manifold

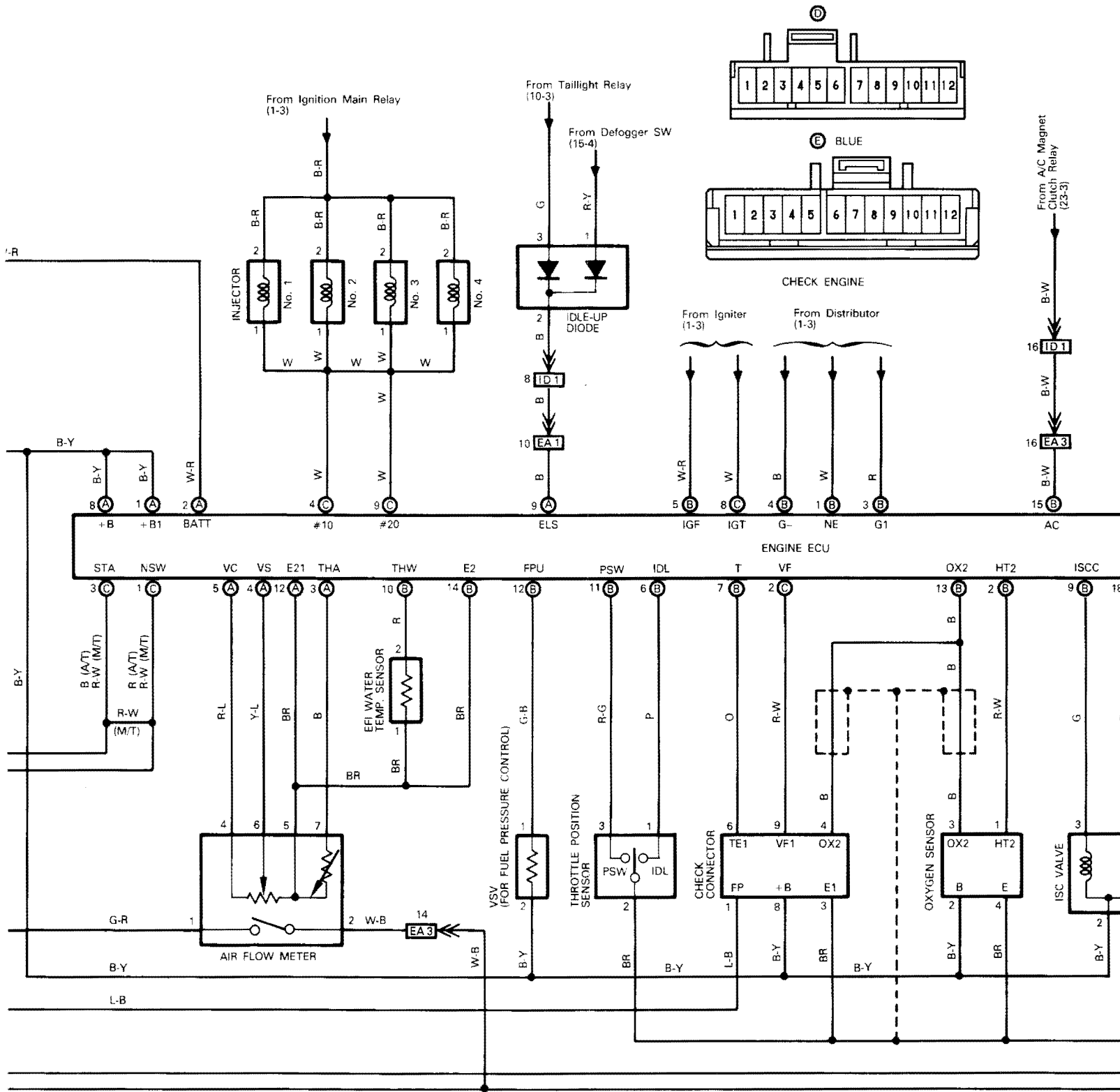




Engine Control (3S-FE)

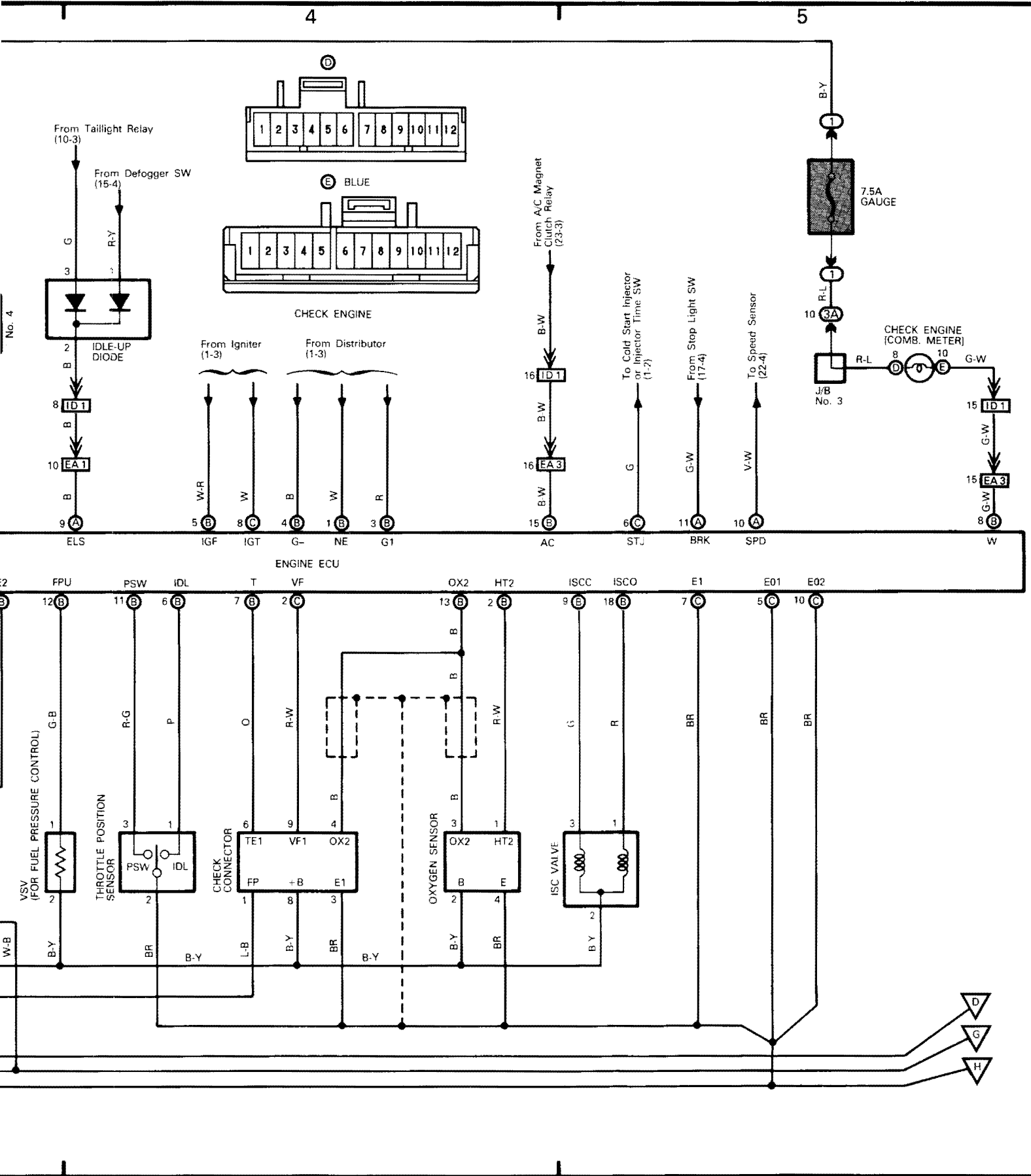
3

4

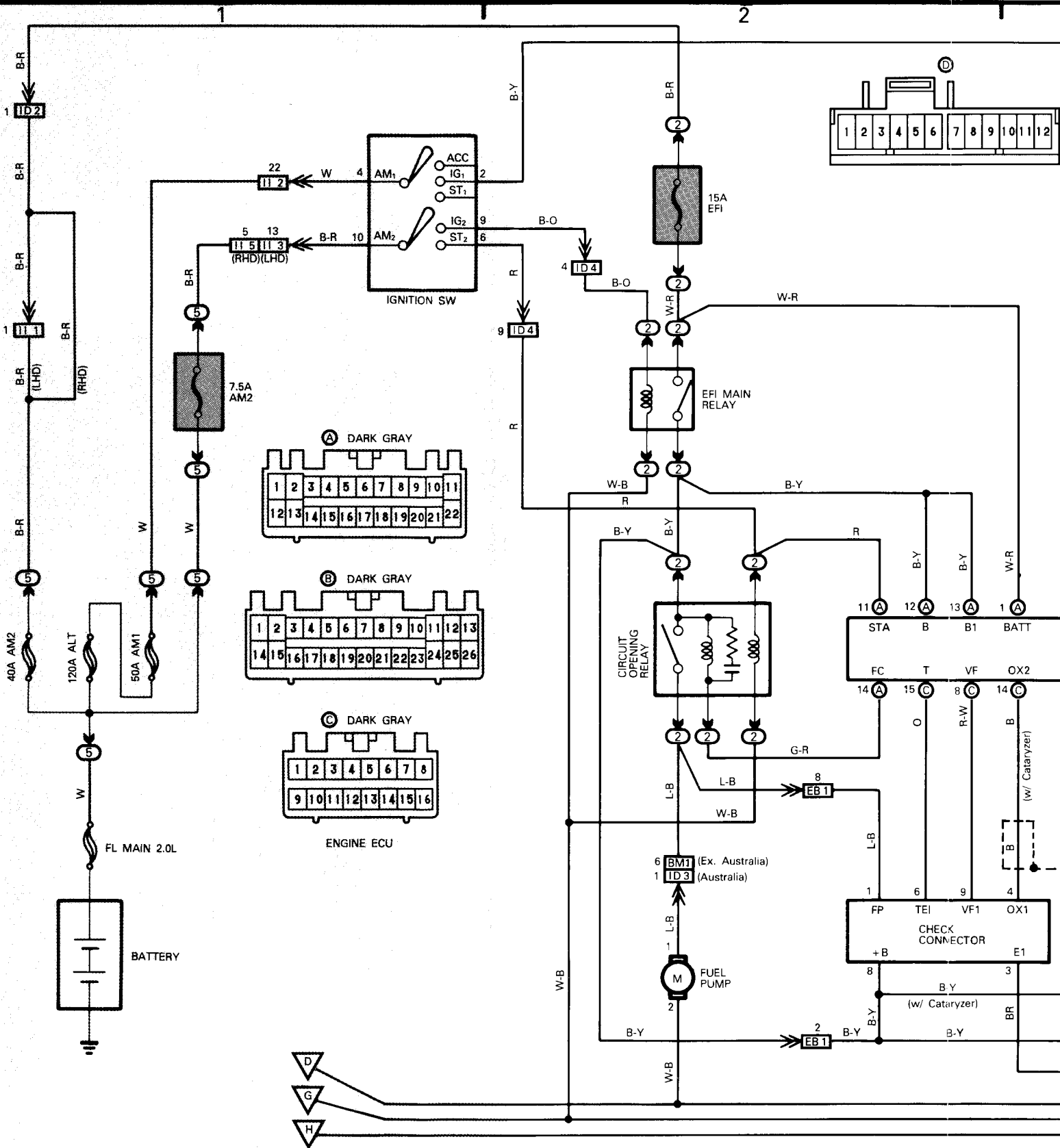


= Located on intake manifold

Engine Control (3S-FE)



MR2 (Cont'd)



Ground points

△ D = Located on instrument panel center

△ G = Located on back panel center

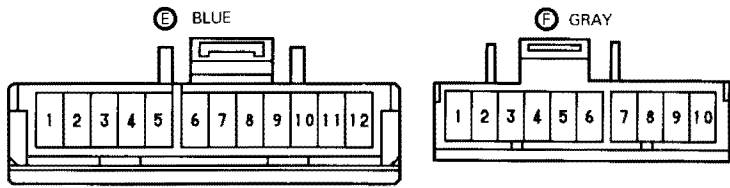
△ H = Located on front panel center



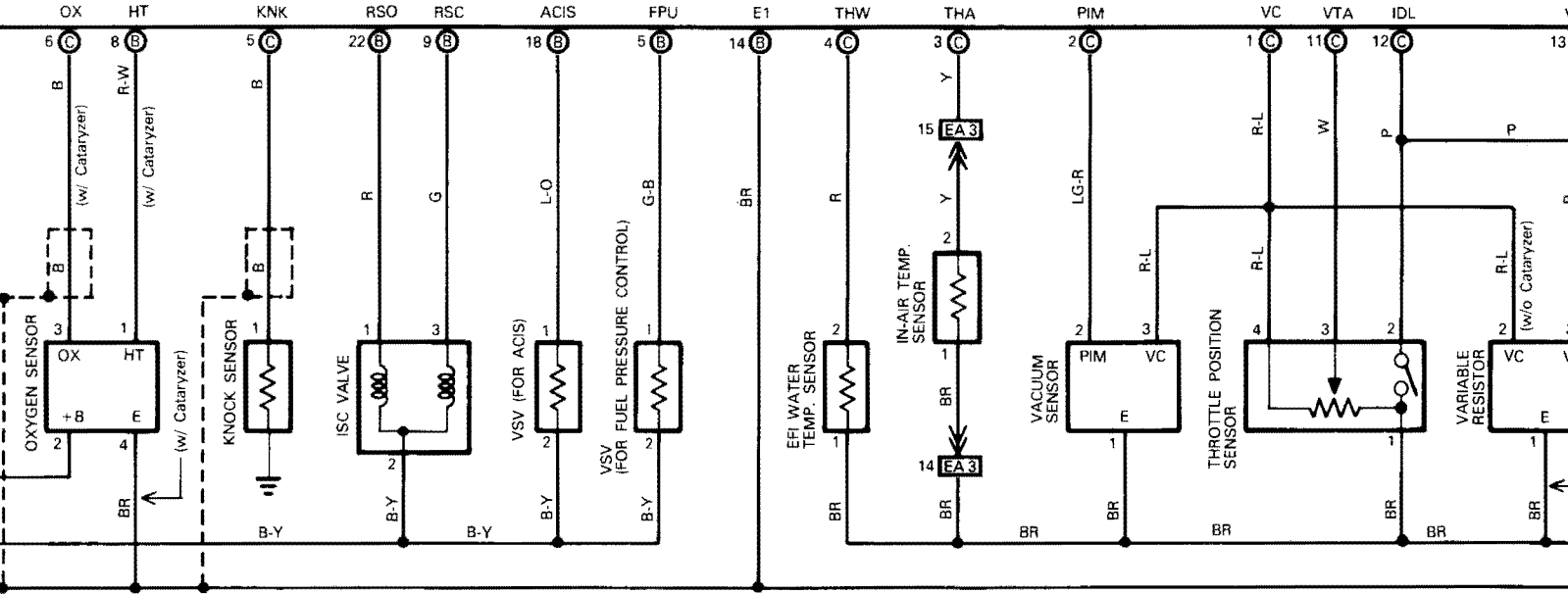
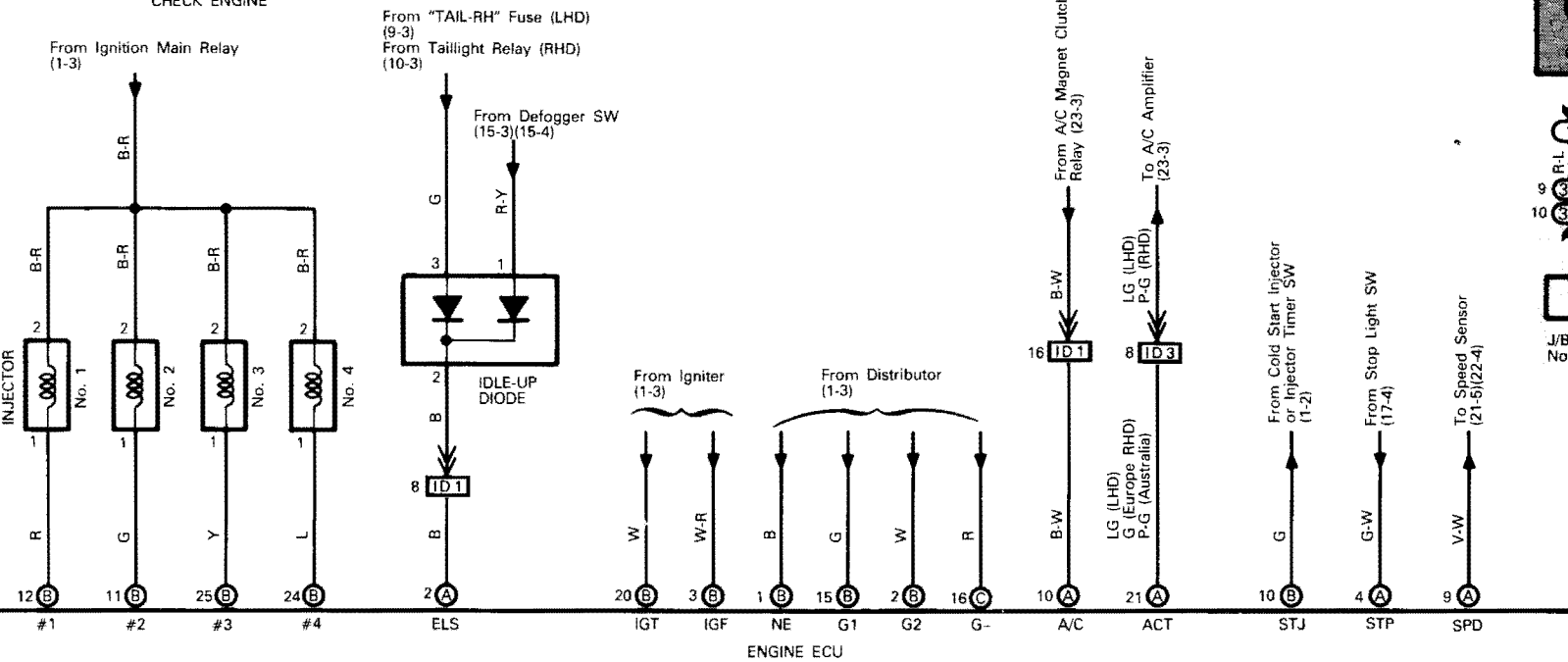
Engine Control (3S-GE)

3

4



CHECK ENGINE

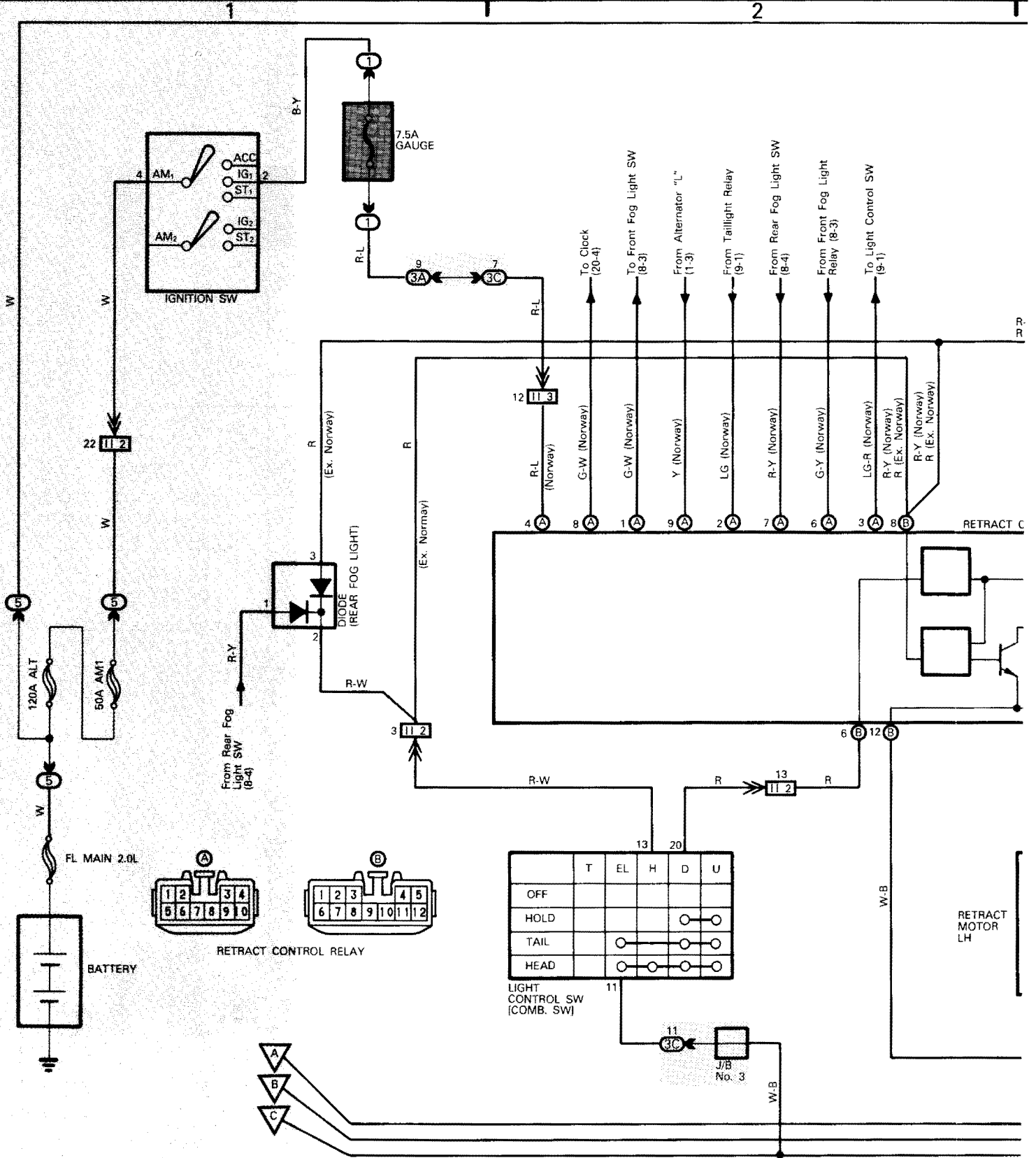


on intake manifold

MR2 (Cont'd)



Power Source



	T	EL	H	D	U
OFF					
HOLD				○	
TAIL		○	○	○	
HEAD		○	○	○	

LIGHT CONTROL SW (COMB. SW)

Ground points

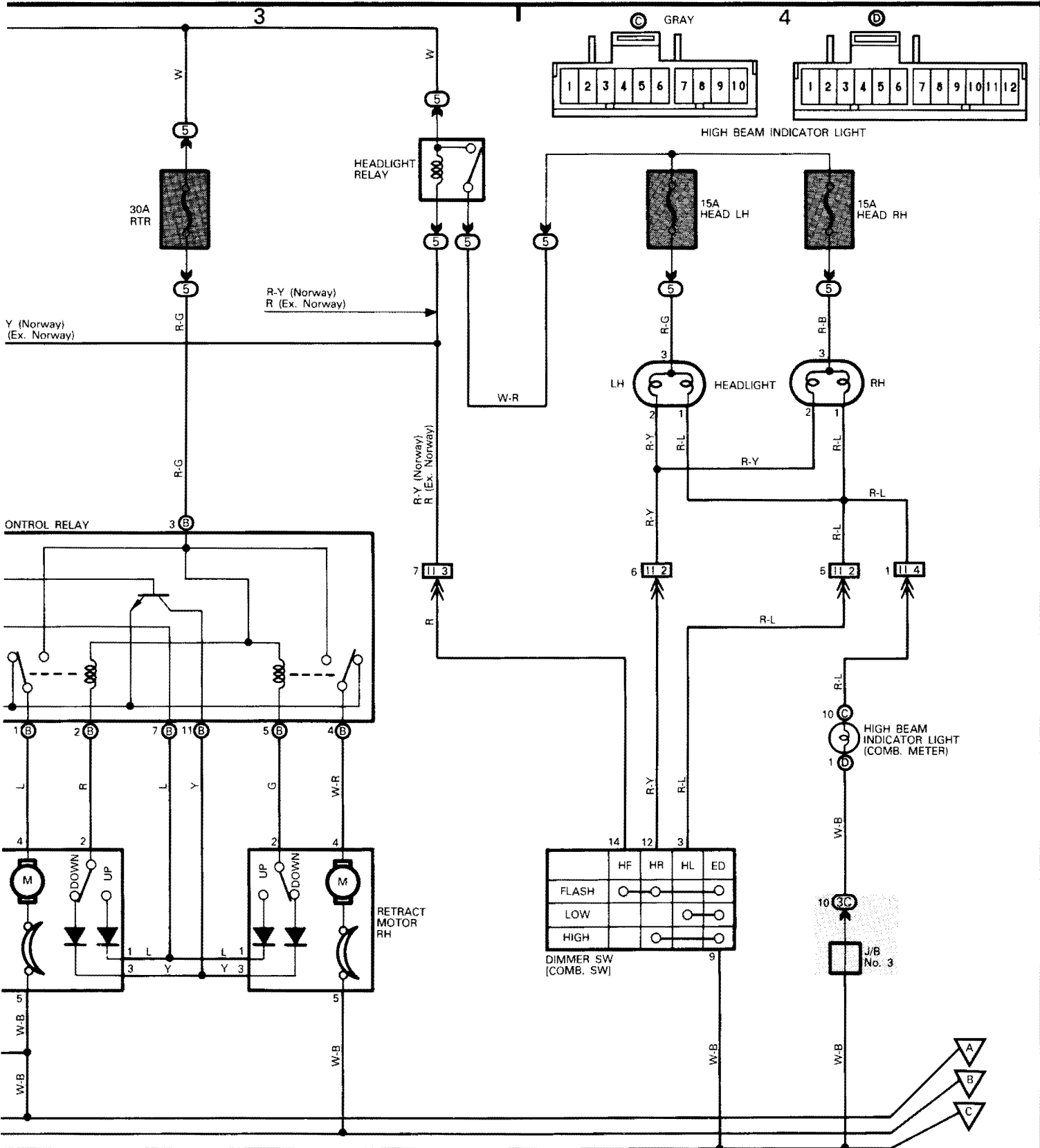
A = Located on front left fender

B = Located on front right fender

C = 1



Headlight (for LHD in Ex. W. Germany)



located on left kick panel

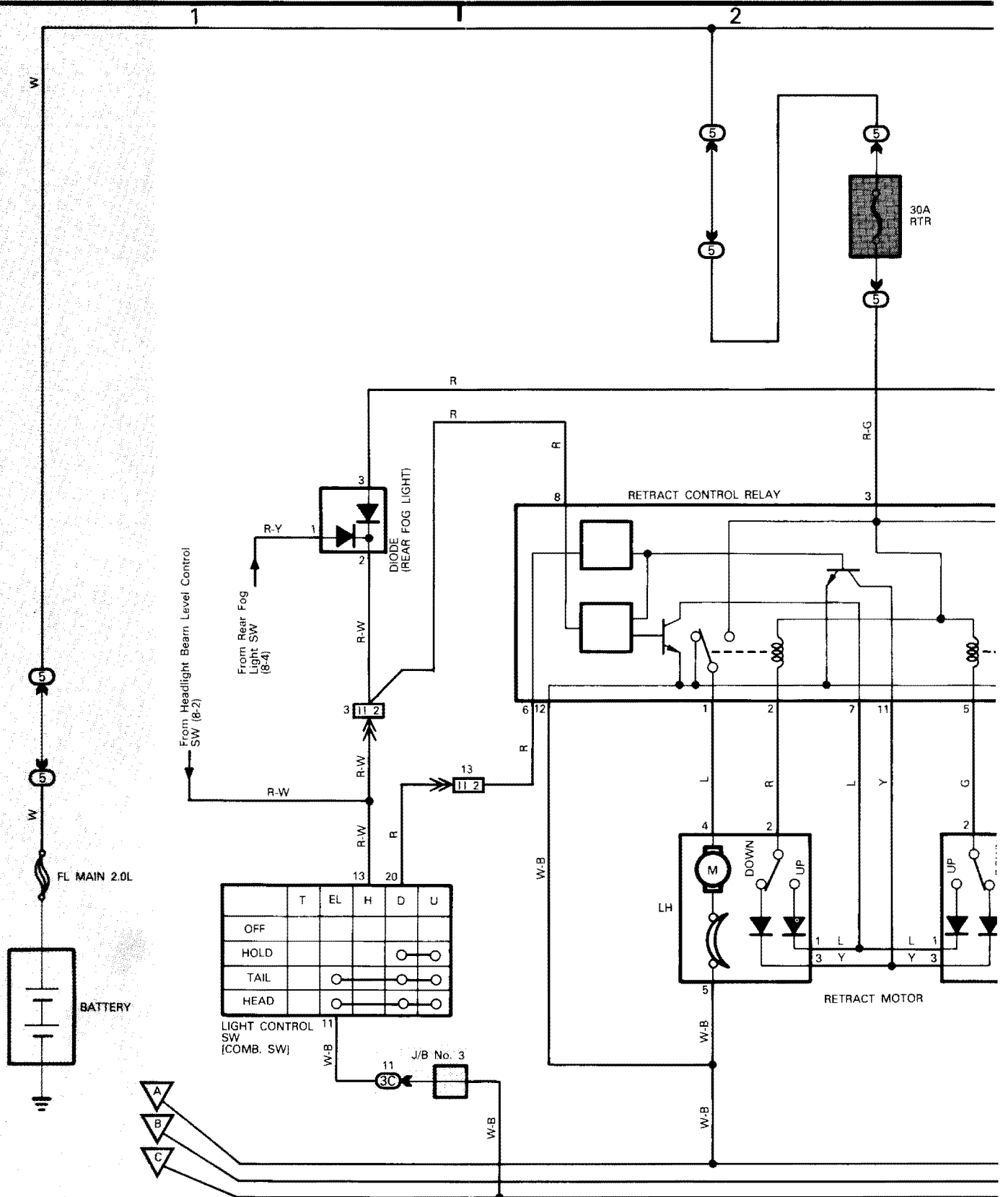
6 MR2 (Cont'd)



Power Source



Headlight (A)



	T	EL	H	D	U
OFF					
HOLD				○	○
TAIL	○	○	○	○	○
HEAD	○	○	○	○	○

LIGHT CONTROL SW [COMB. SW]

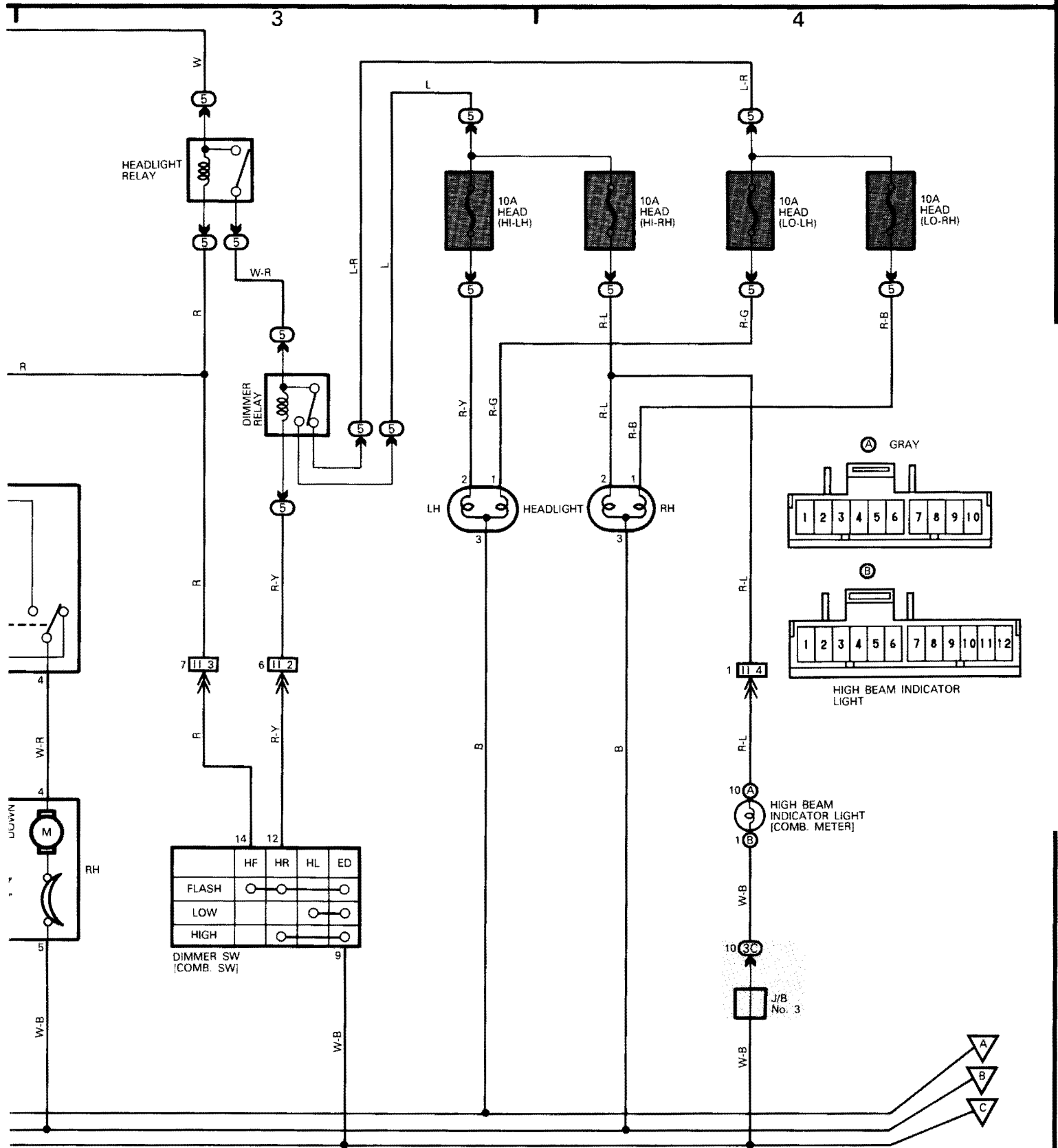
Ground points

A = Located on front left fender

B = Located on front right fender

C =

N. Germany)



Located on left kick panel

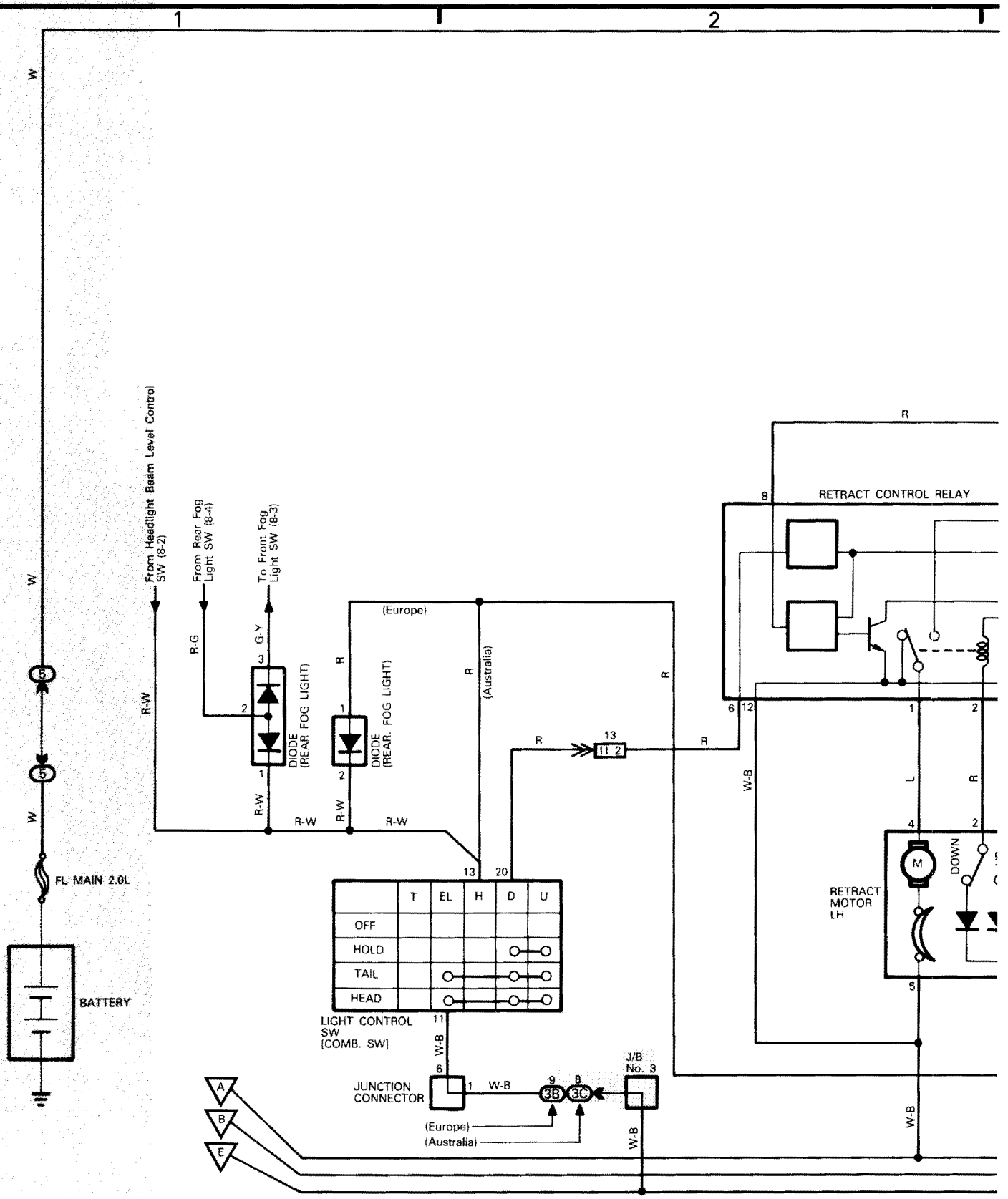
MR2 (Cont'd)



Power Source



Headli



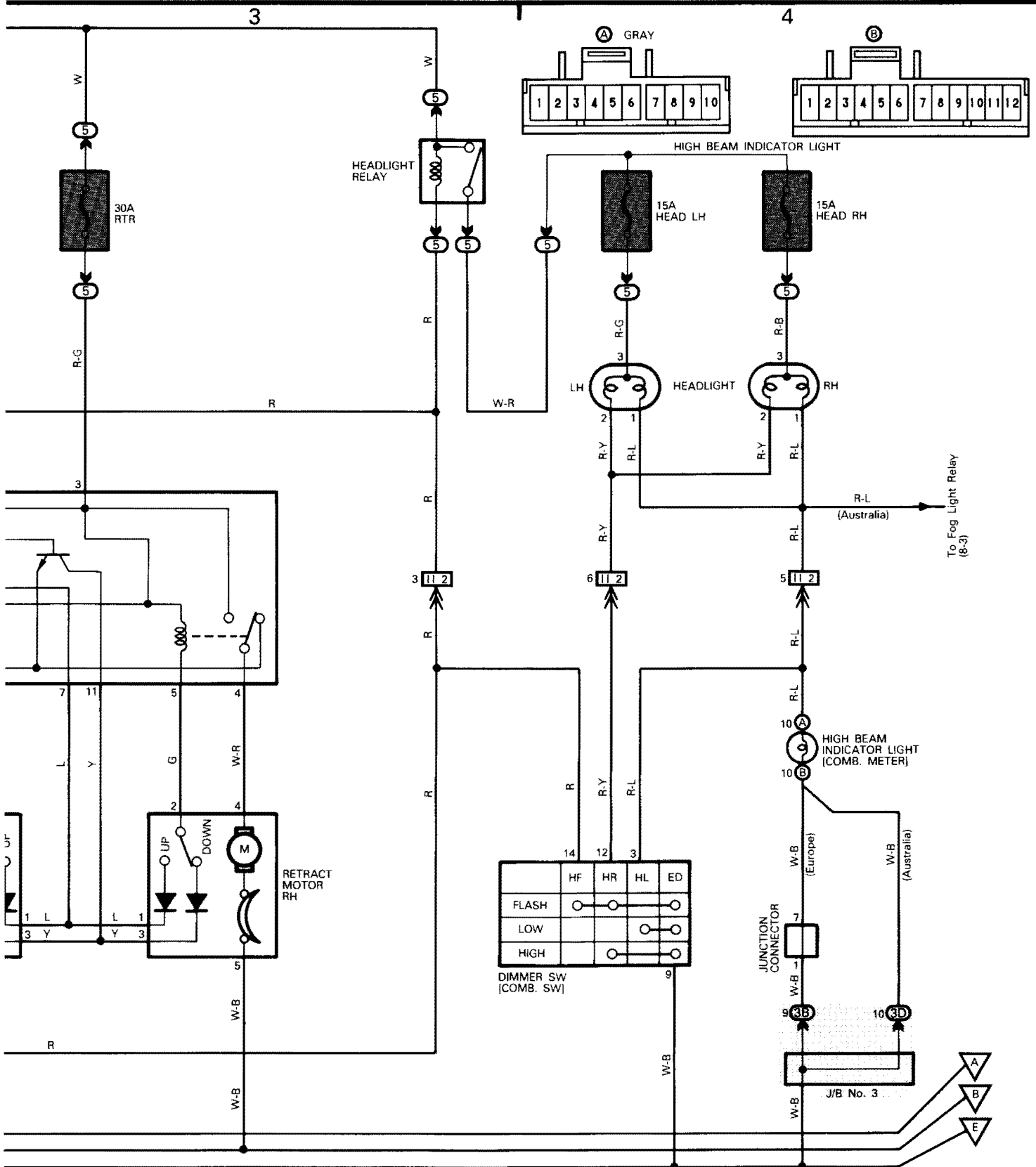
Ground points

△ A = Located on front left fender

△ B = Located on front right fender

△ E = Located on front left fender

ght (RHD)

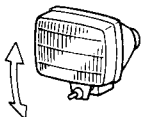


ated on right kick panel

8 MR2 (Cont'd)

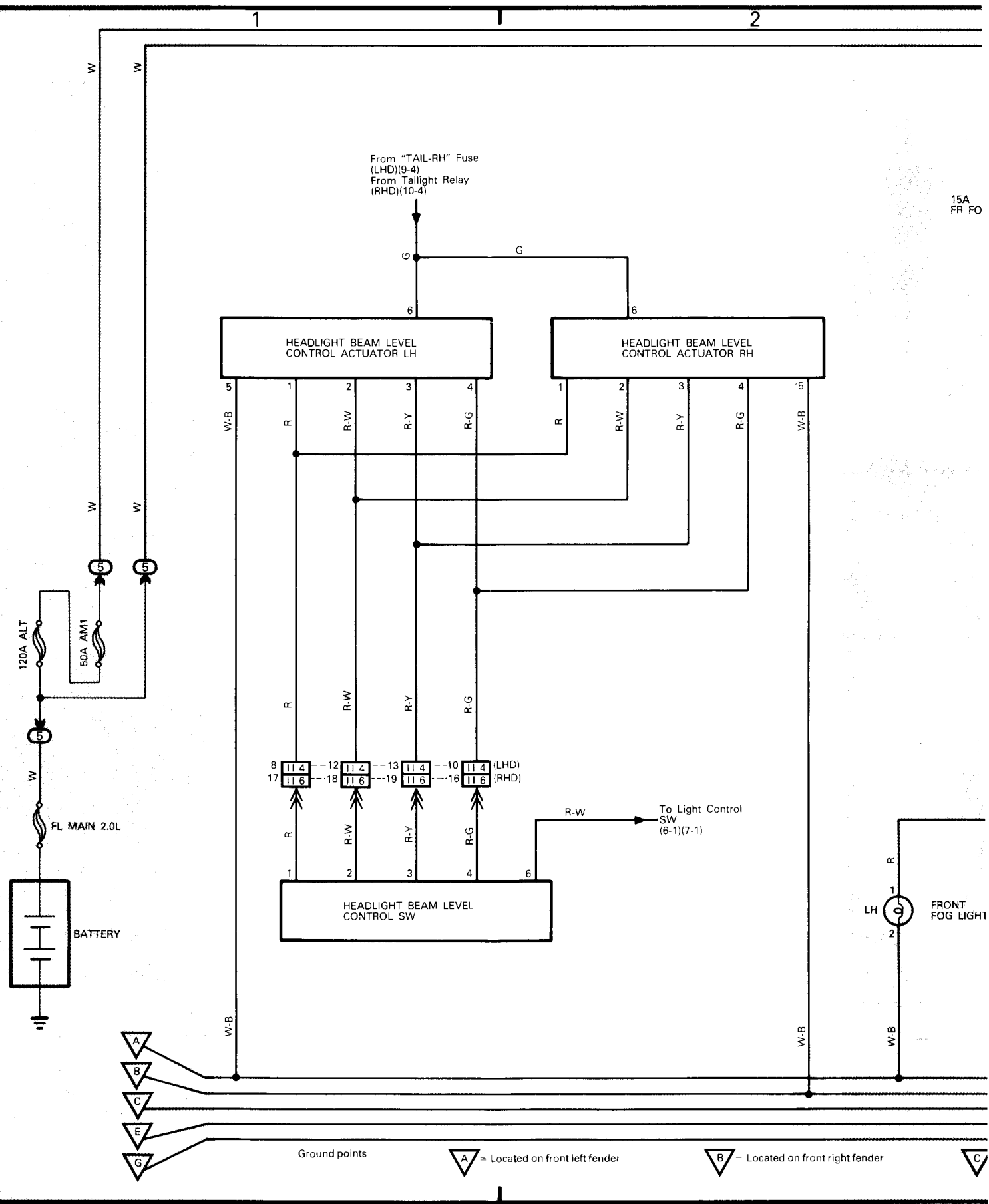


Power Source



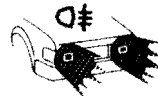
Headlight Beam Level Control

15A
FR FO

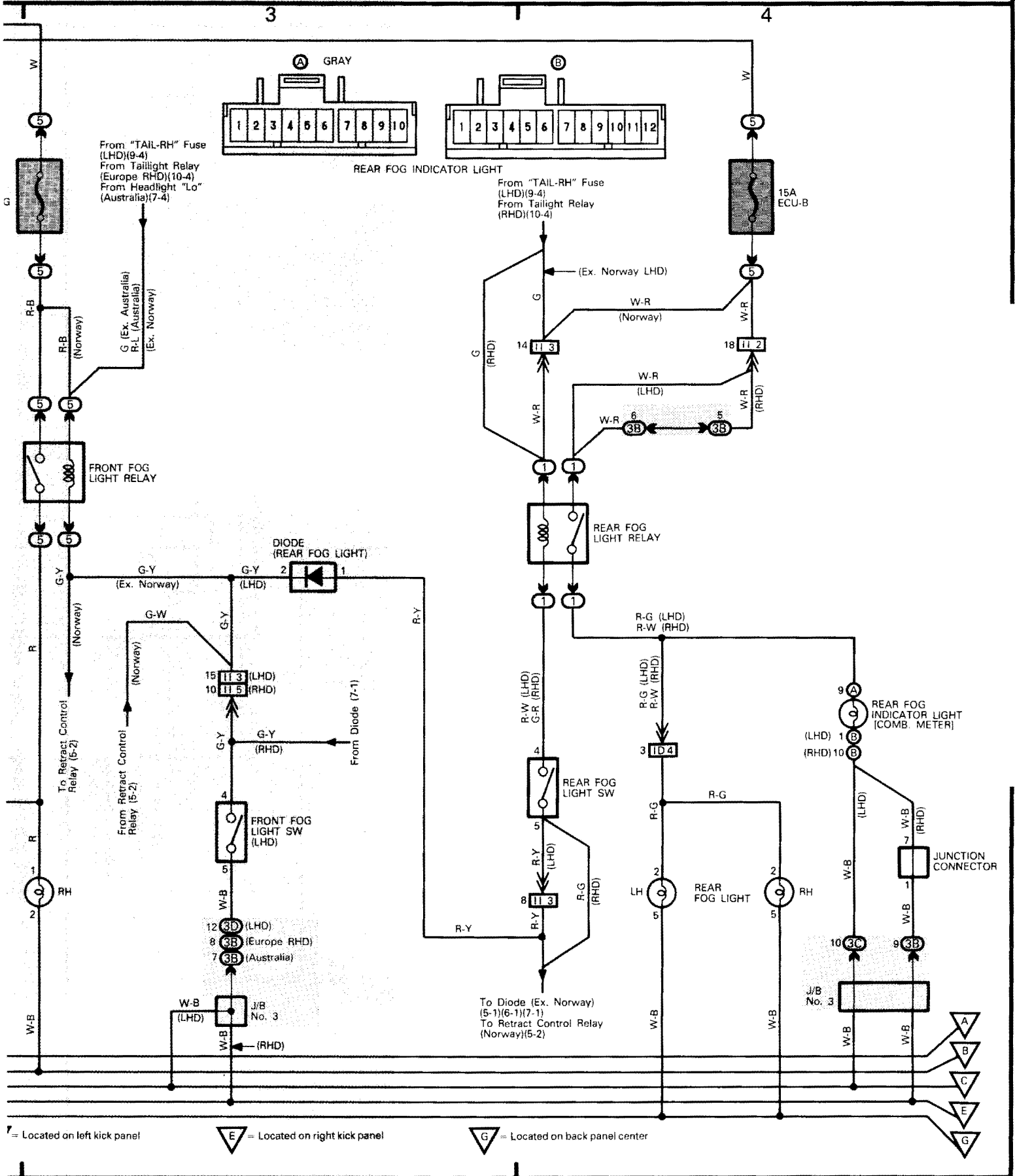




Front Fog Light



Rear Fog Light



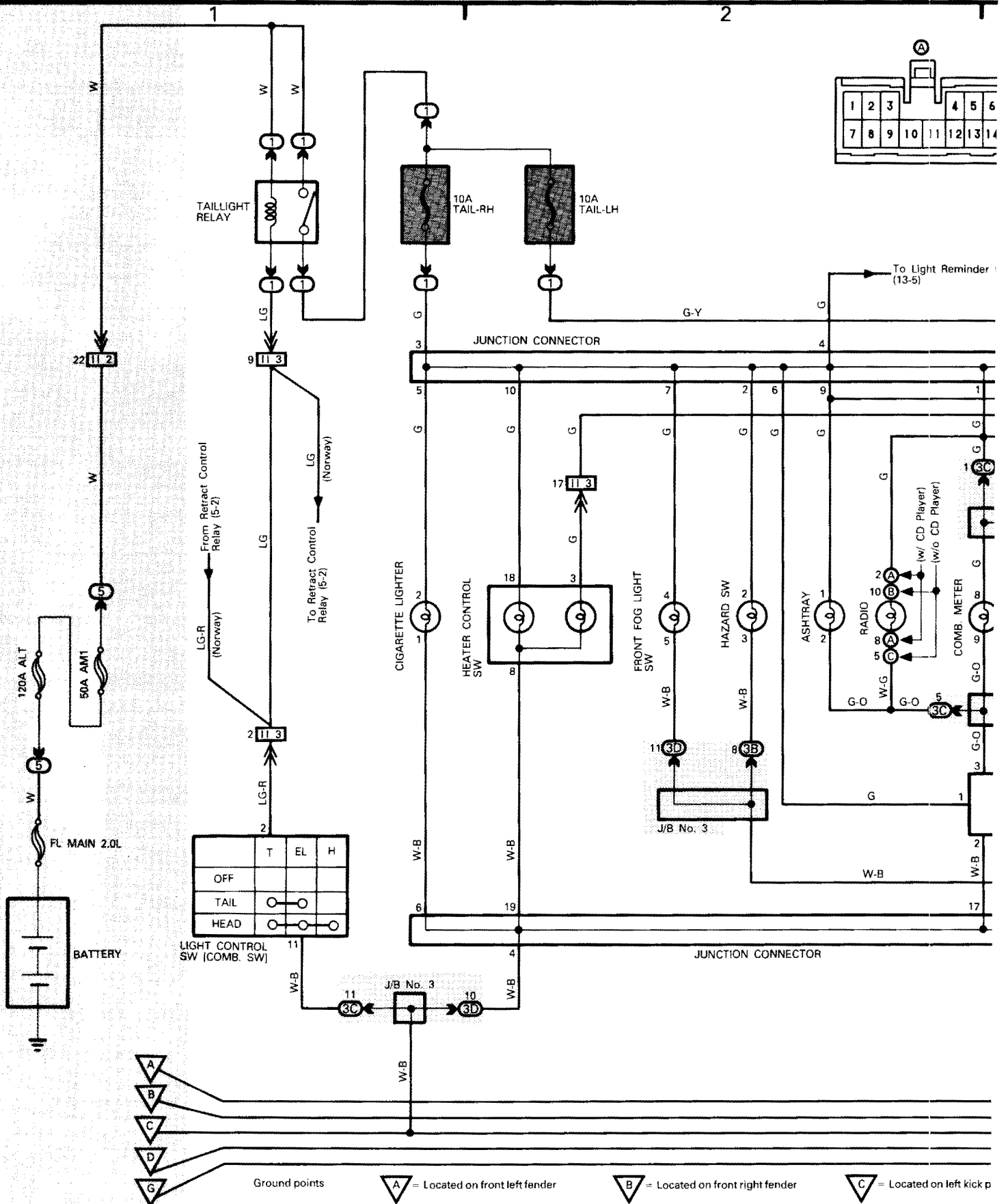
MR2 (Cont'd)



Power Source



T6

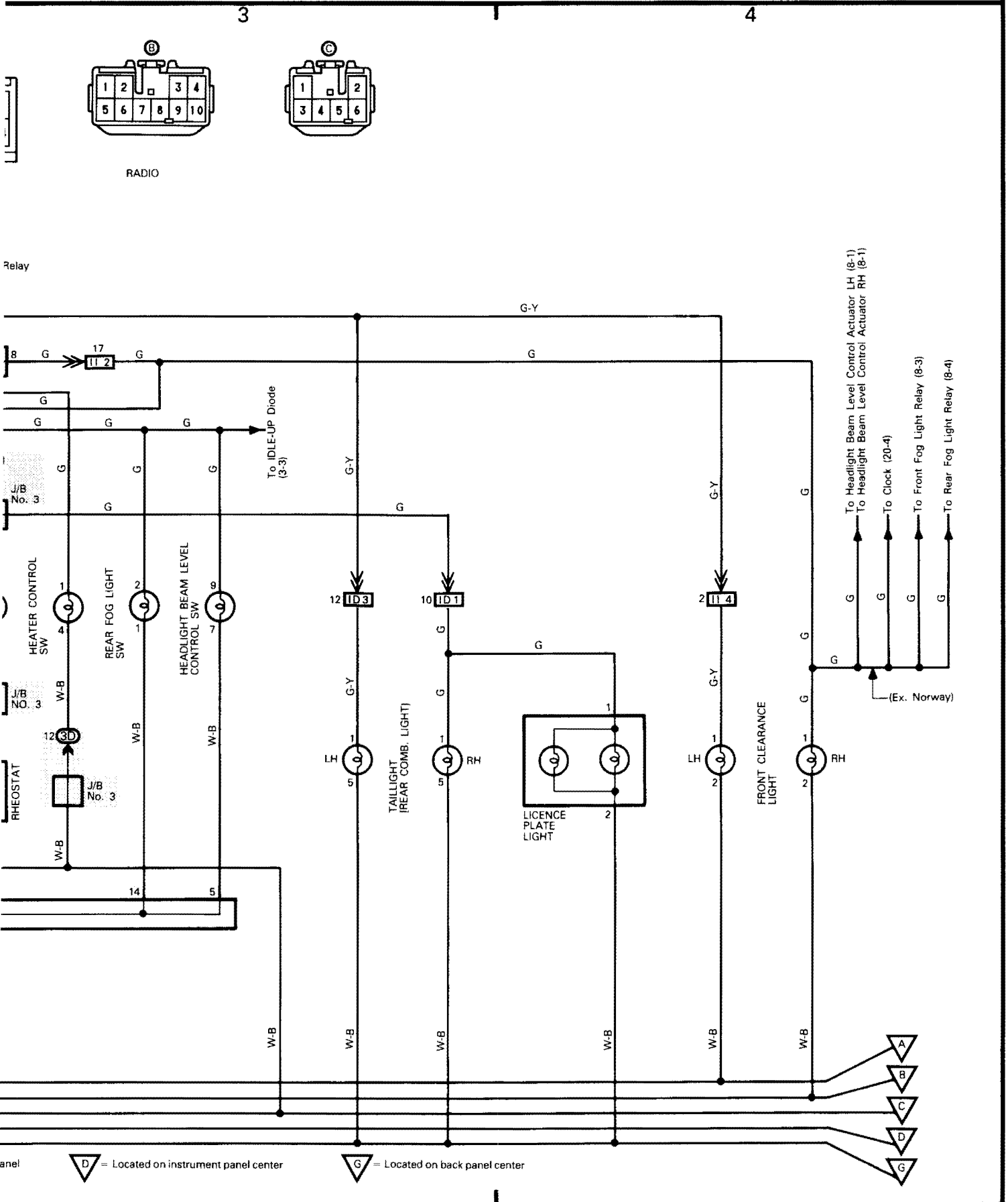


	T	EL	H
OFF			
TAIL	○	○	
HEAD	○	○	○

LIGHT CONTROL SW (COMB. SW)

Ground points △ A = Located on front left fender △ B = Located on front right fender △ C = Located on left kick p

Light and Illumination (LHD)

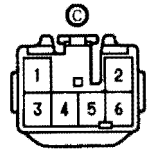
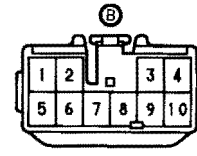
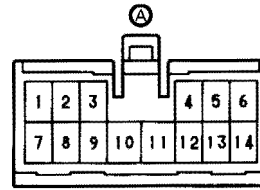




Taillight and Illumination (RHD)

3

4



RADIO

To Headlight Beam Level Control Actuator LH (8-1)

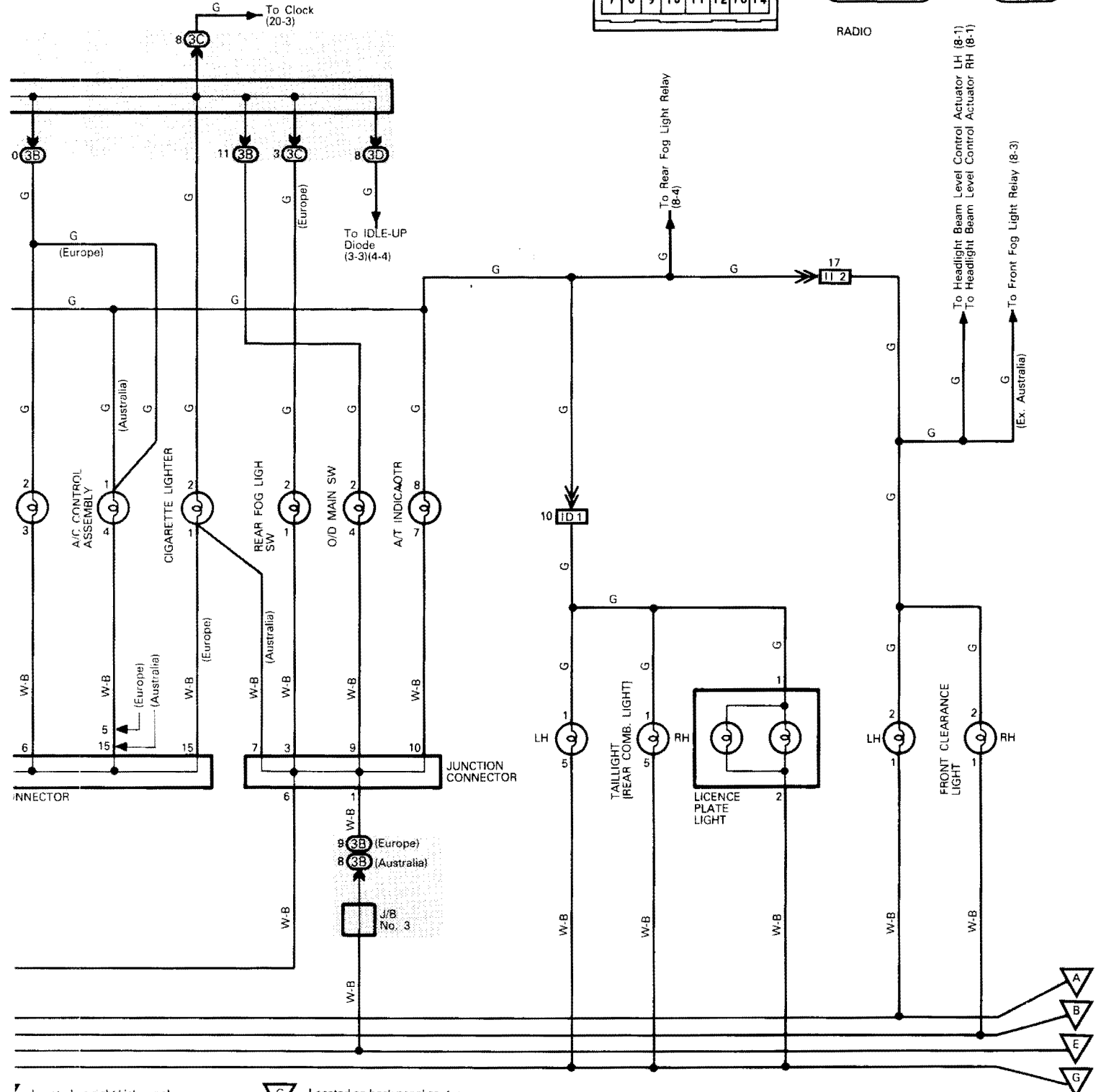
To Headlight Beam Level Control Actuator RH (8-1)

To Front Fog Light Relay (8-3)

(Ex. Australia)

To Rear Fog Light Relay

(8-4)



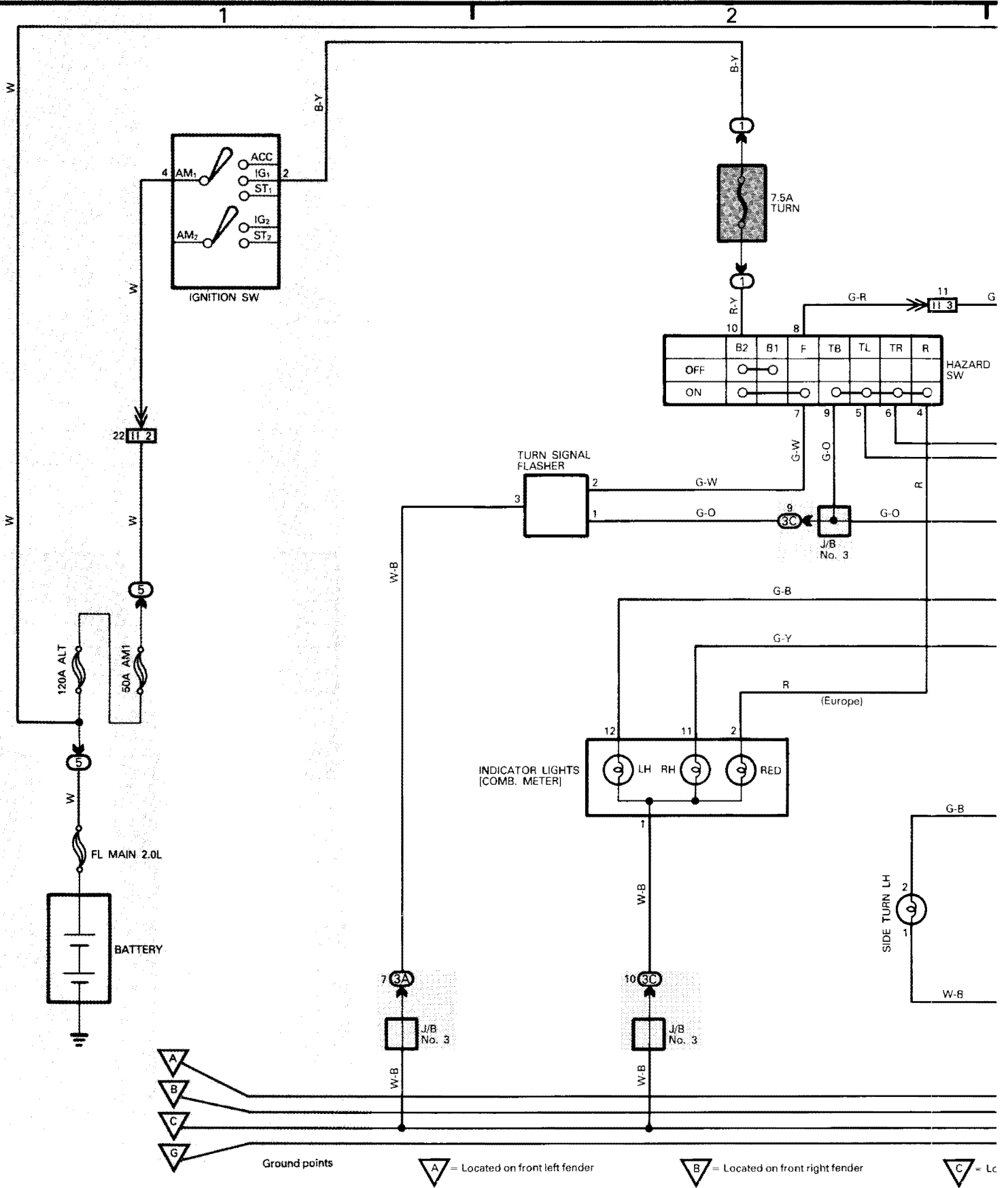
R = Located on right kick panel

G = Located on back panel center

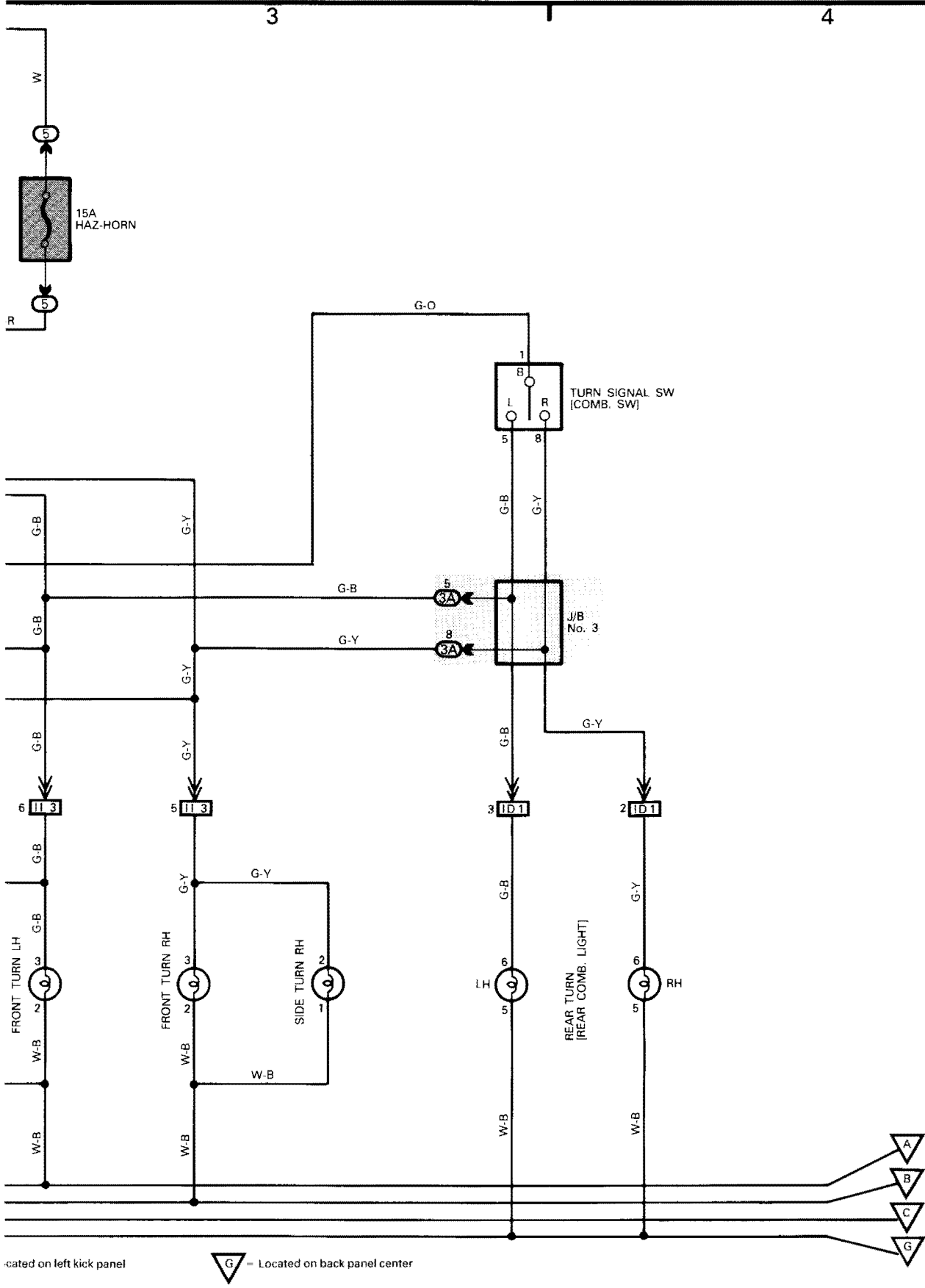
MR2 (Cont'd)



Power Source



Turn Signal and Hazard (LHD)



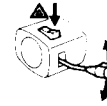
located on left kick panel

G = Located on back panel center

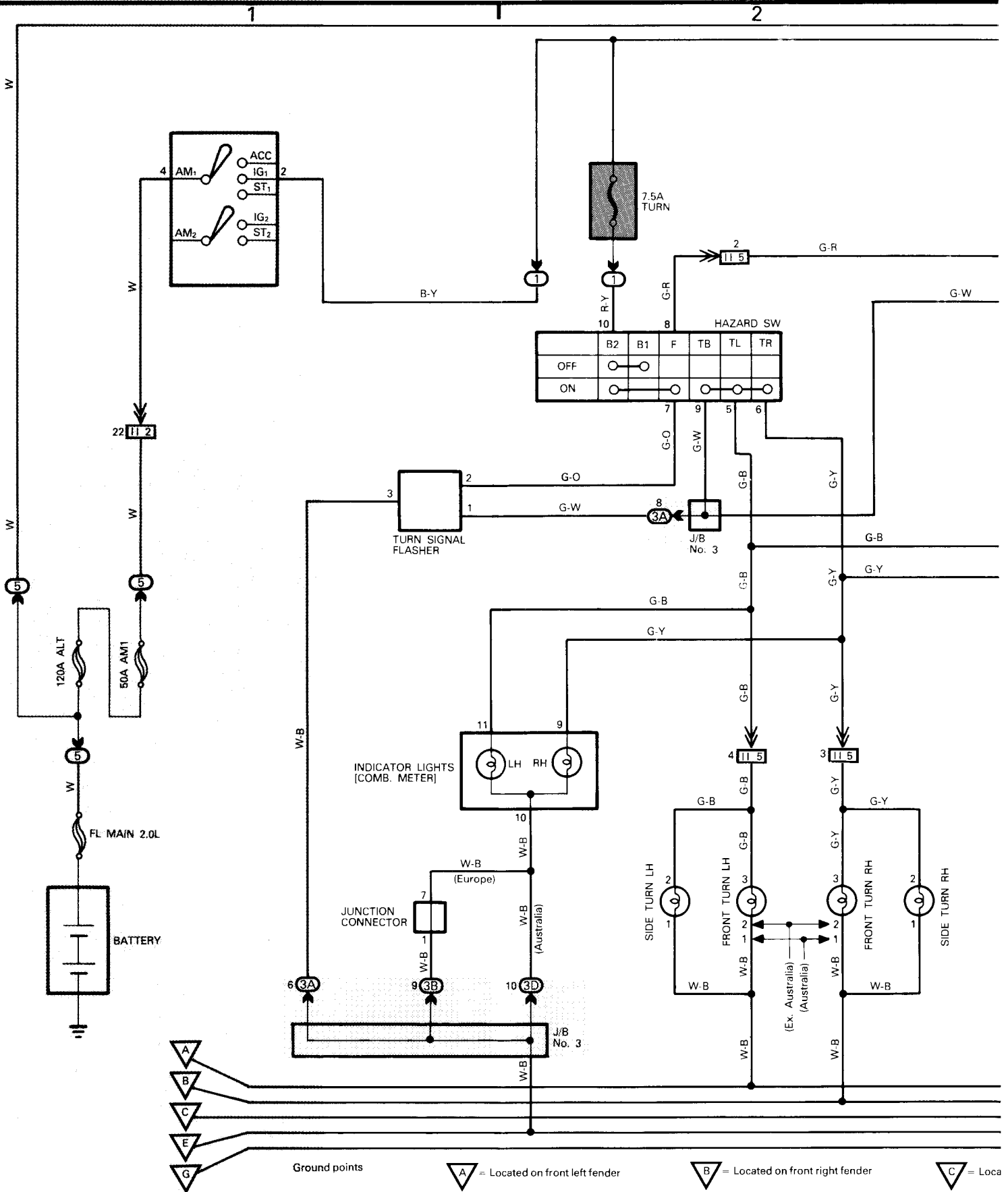
12 MR2 (Cont'd)



Power Source



Turn Signal and Hazard (RHD)



Ground points

A = Located on front left fender

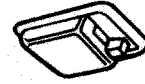
B = Located on front right fender

C = Located on front left fender

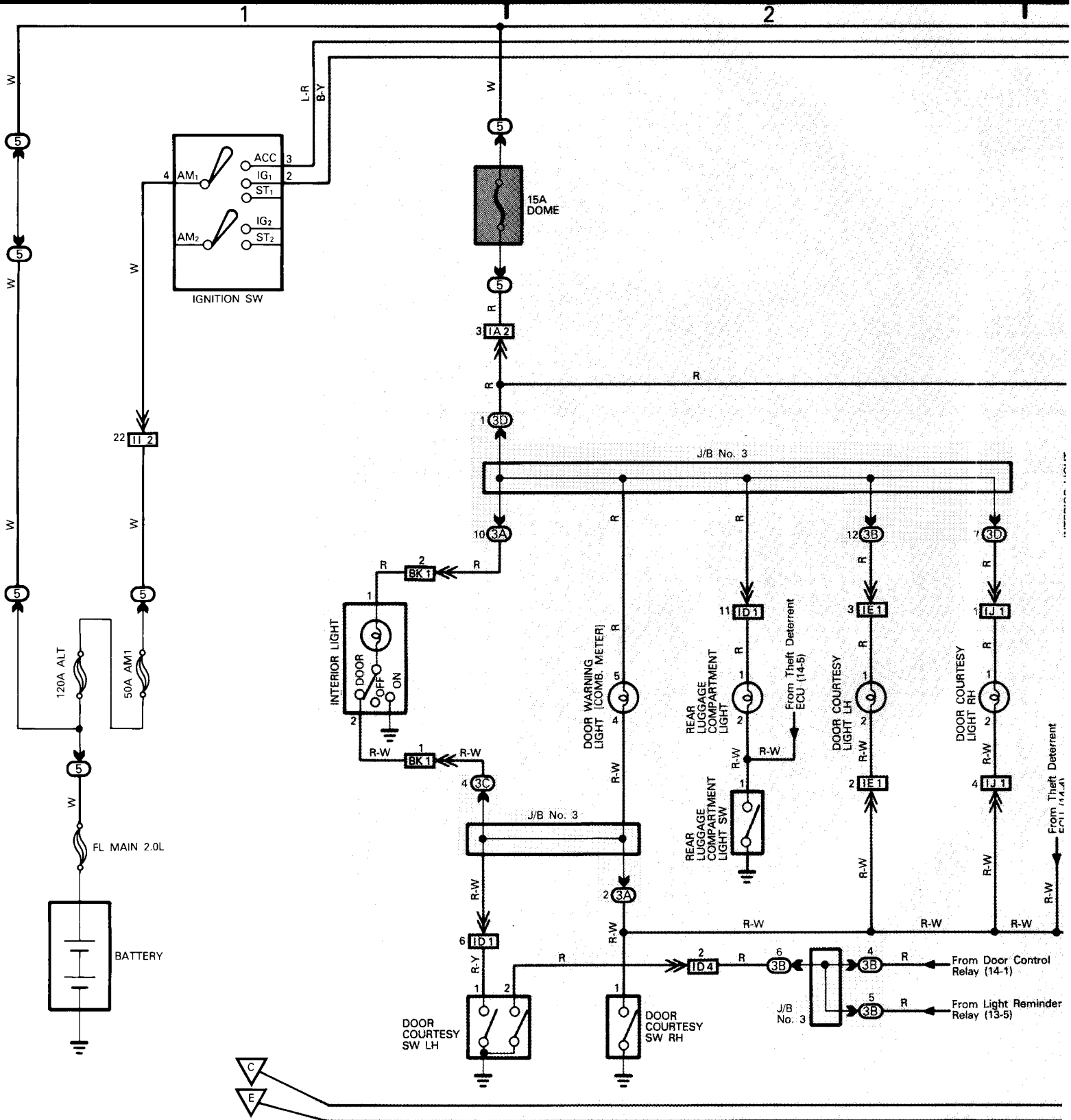
MR2 (Cont'd)



Power Source



Interior Light (LHD)



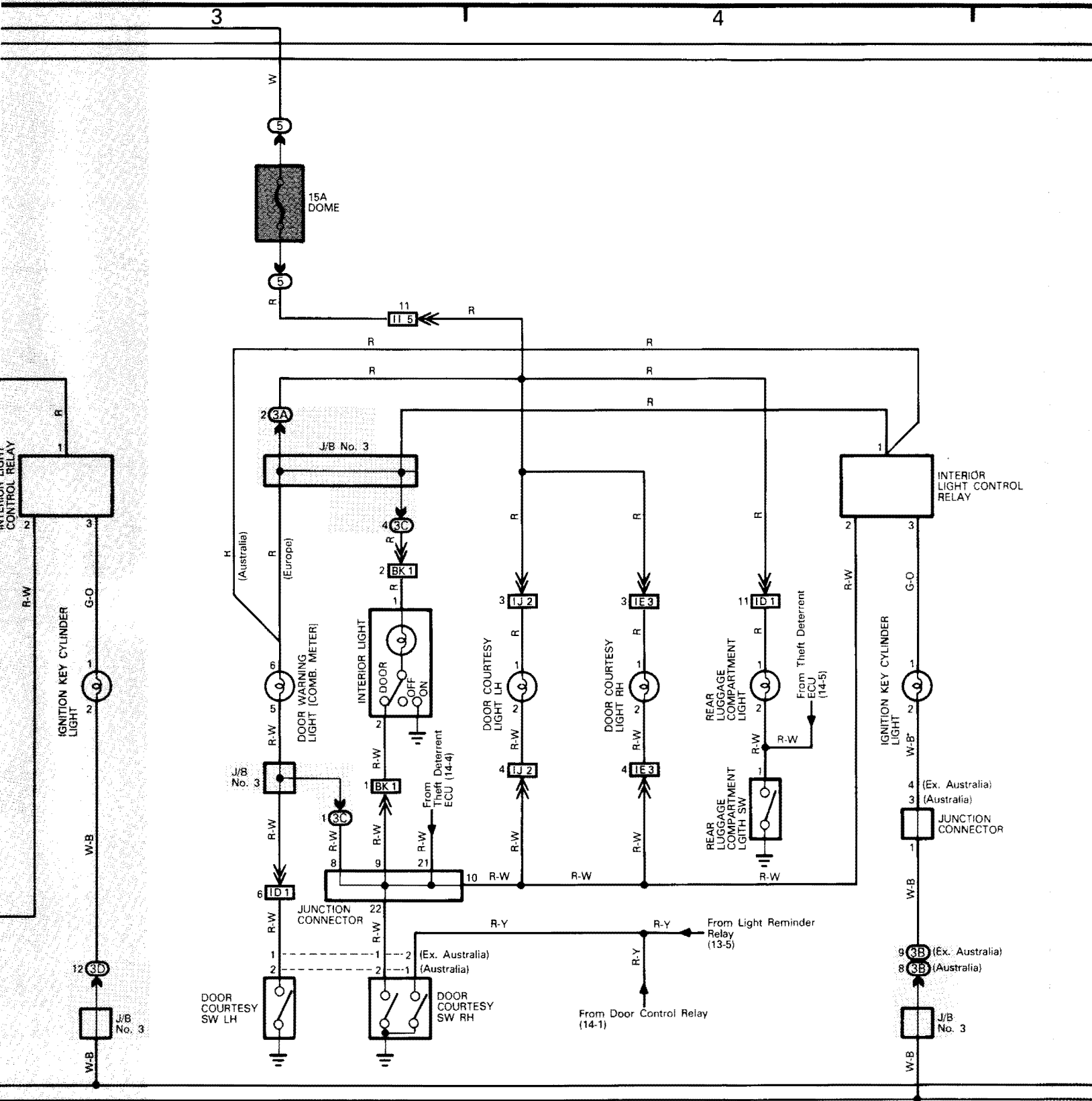
Ground points

△ C = Located on left kick panel

△ E = Located on right kick panel



Interior Light (RHD)





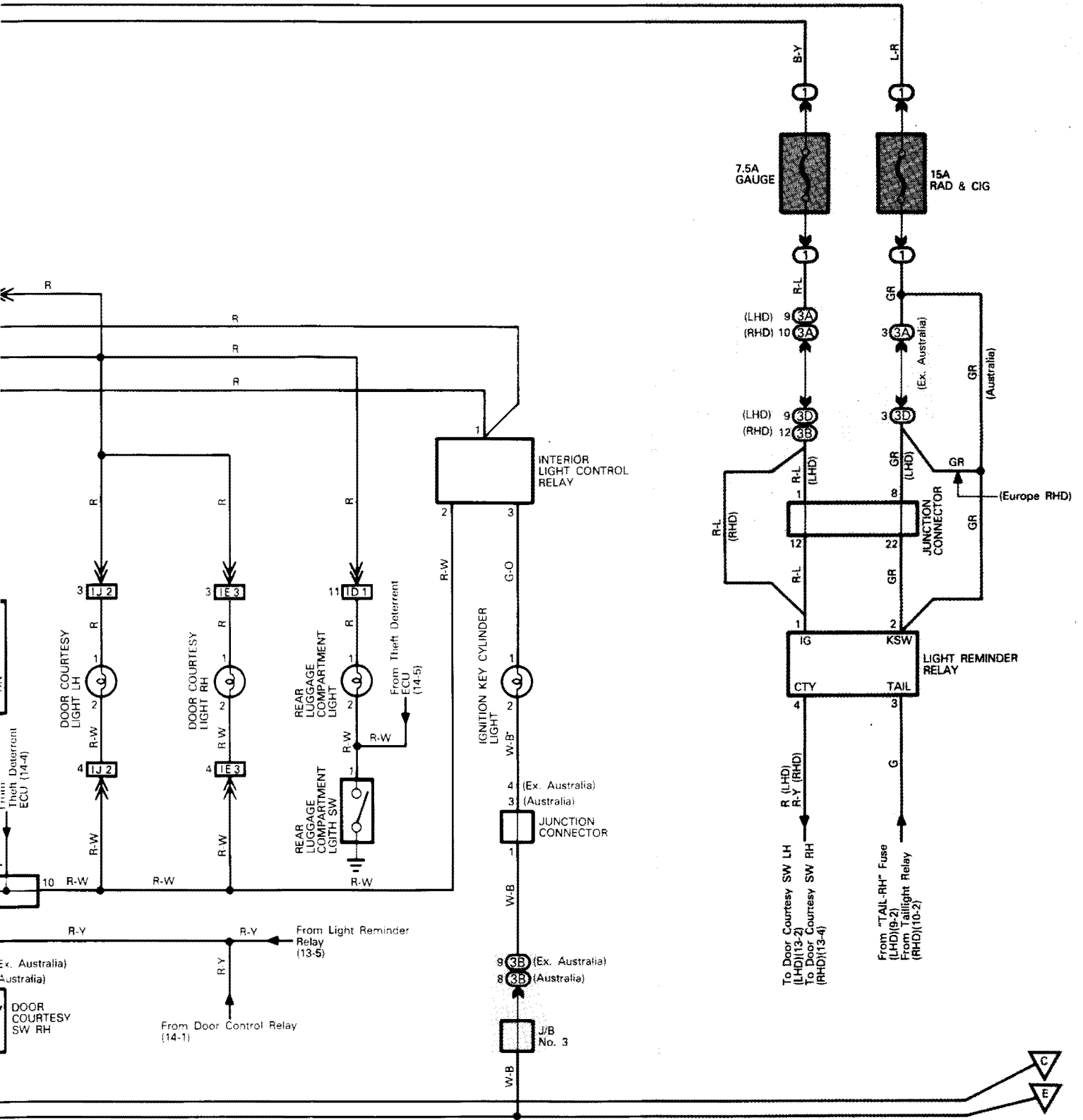
Interior Light (RHD)



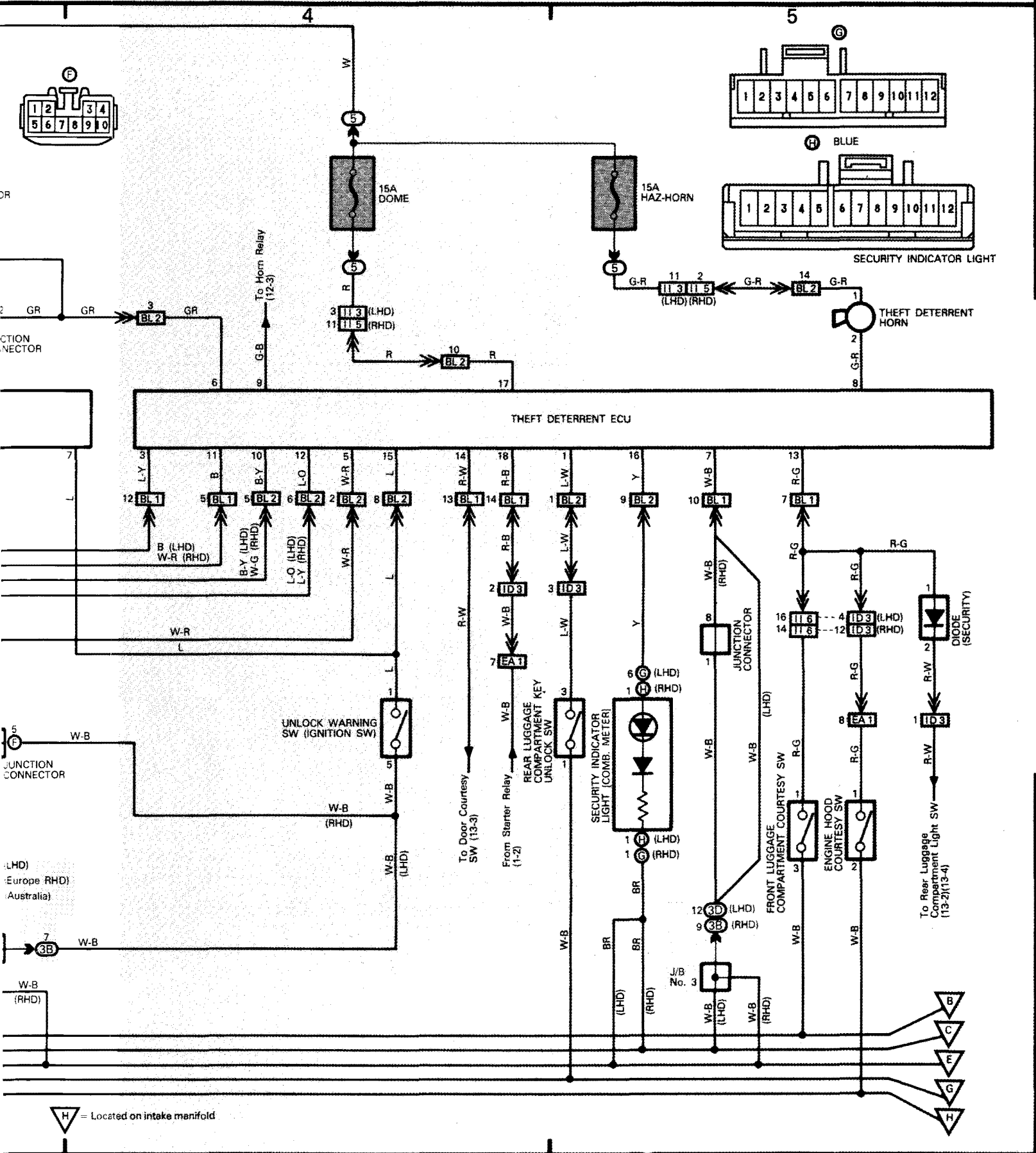
Light Reminder

4

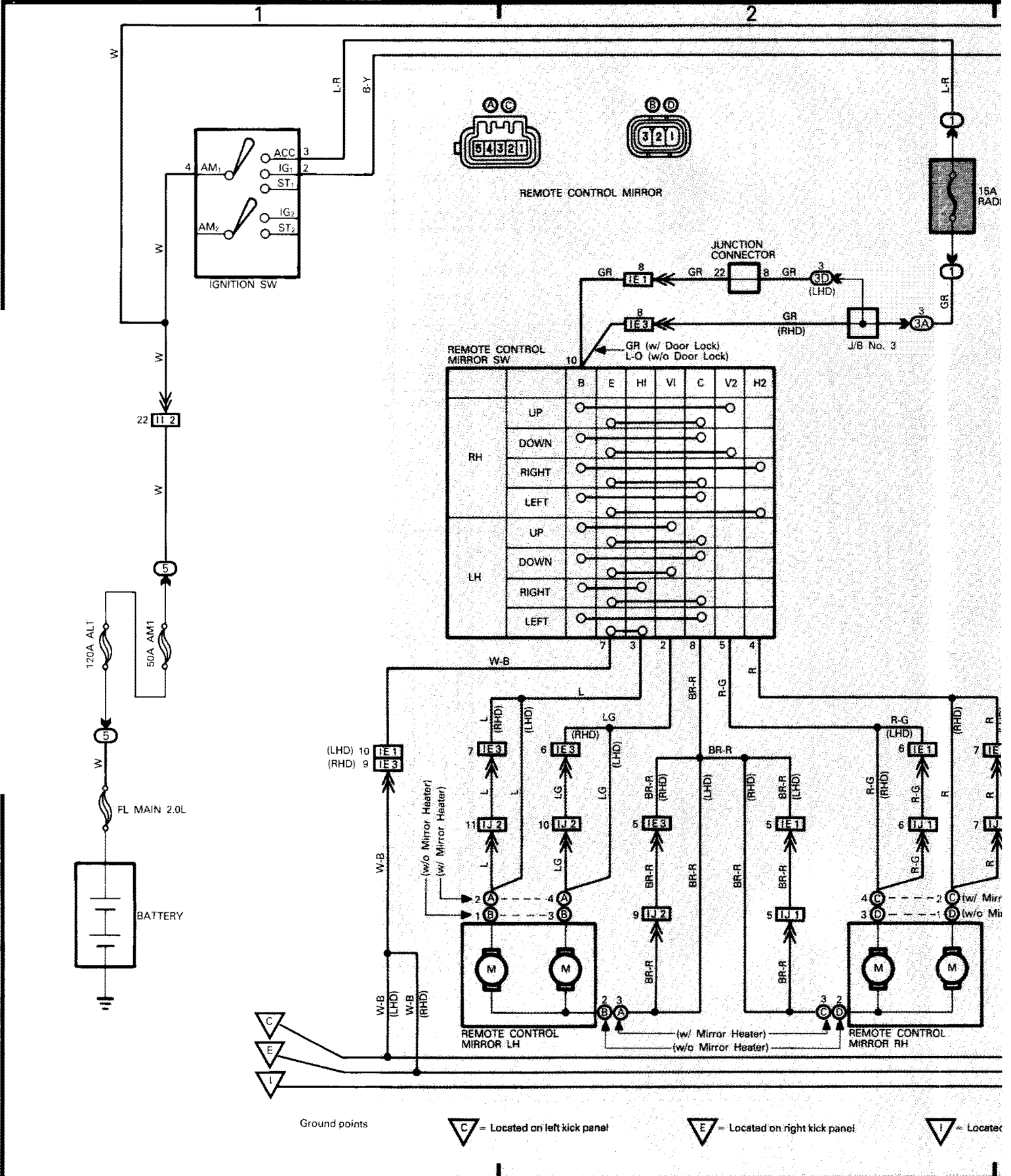
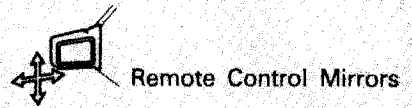
5

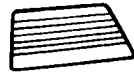


Theft Deterrent System

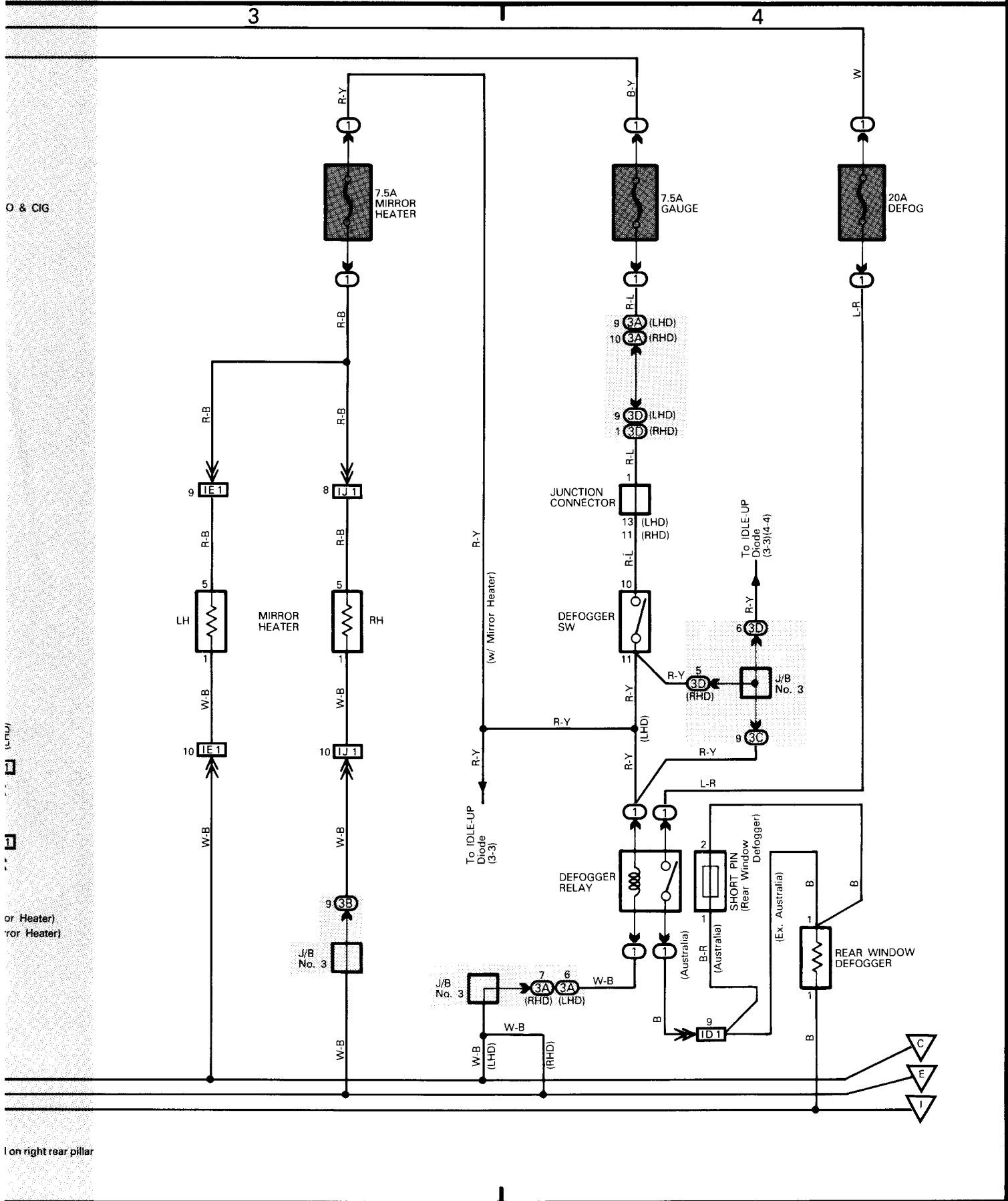


MR2 (Cont'd)





Rear Window Defogger and Mirror Heater



O & CIG

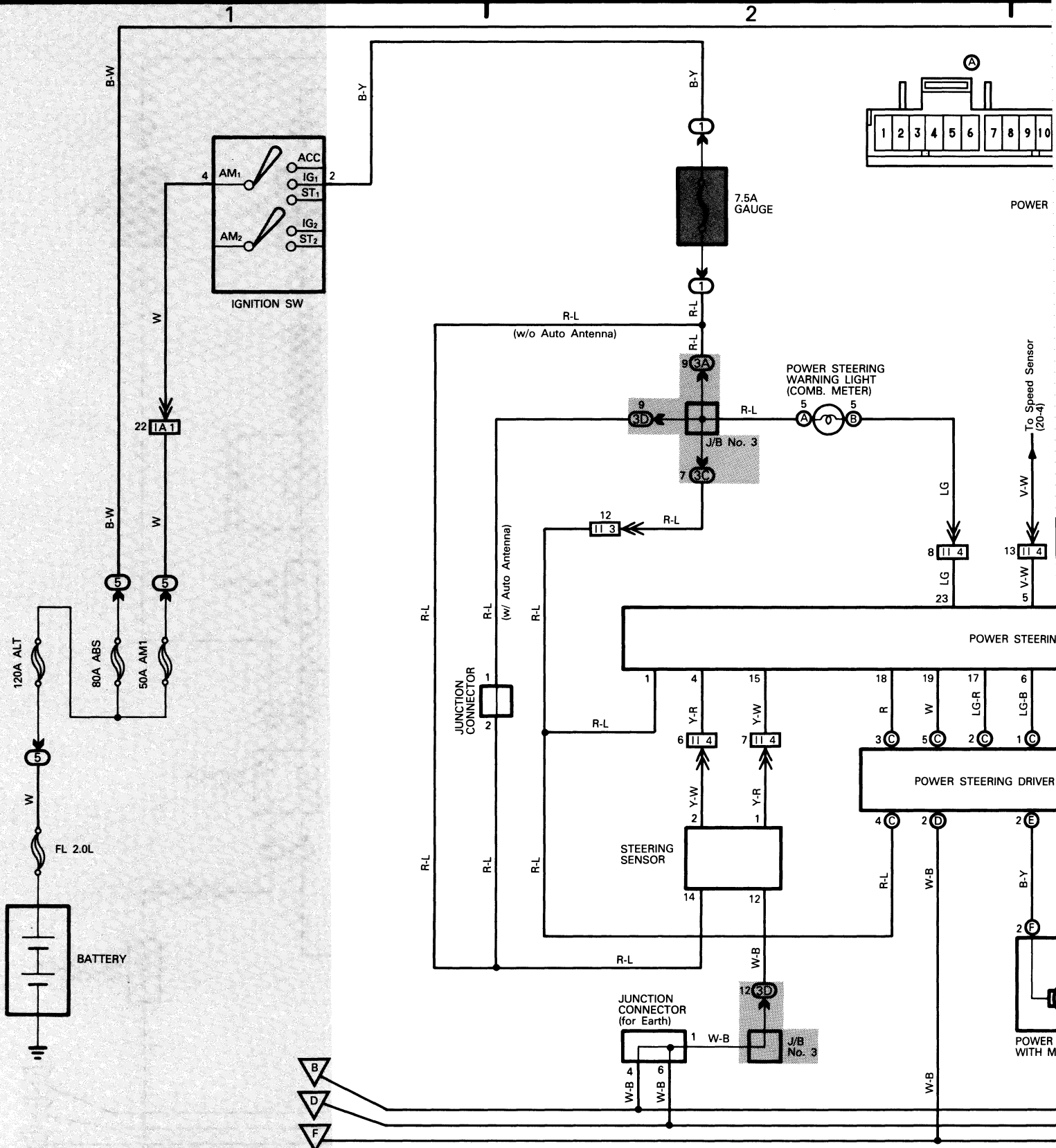
or Heater)
ror Heater)

l on right rear pillar

MR2 (Cont'd)



Power Source



Ground points

B = Located on left kick panel

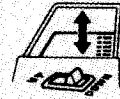
D = Located on right kick panel

F = Located on right kick panel

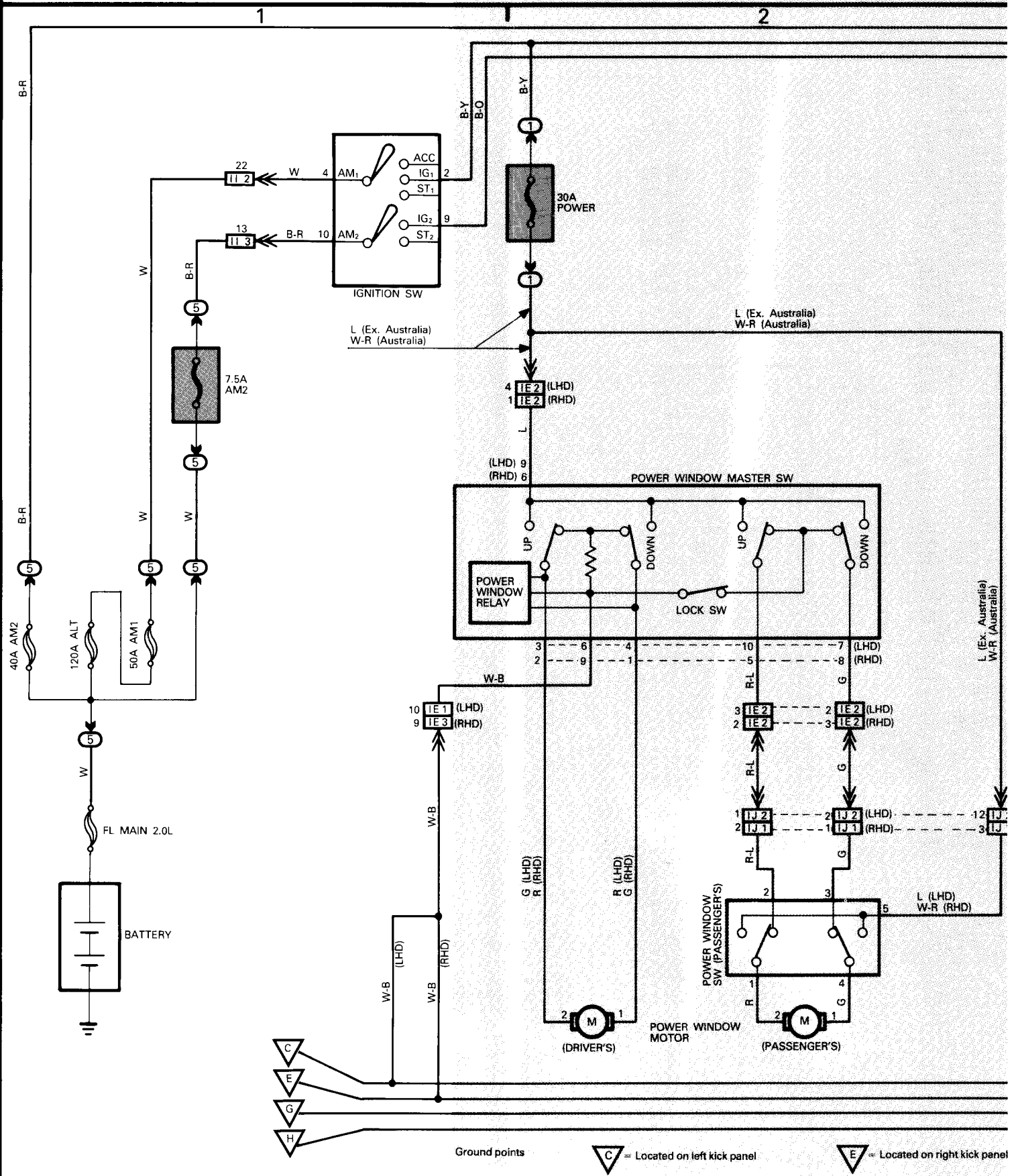
16 MR2 (Cont'd)



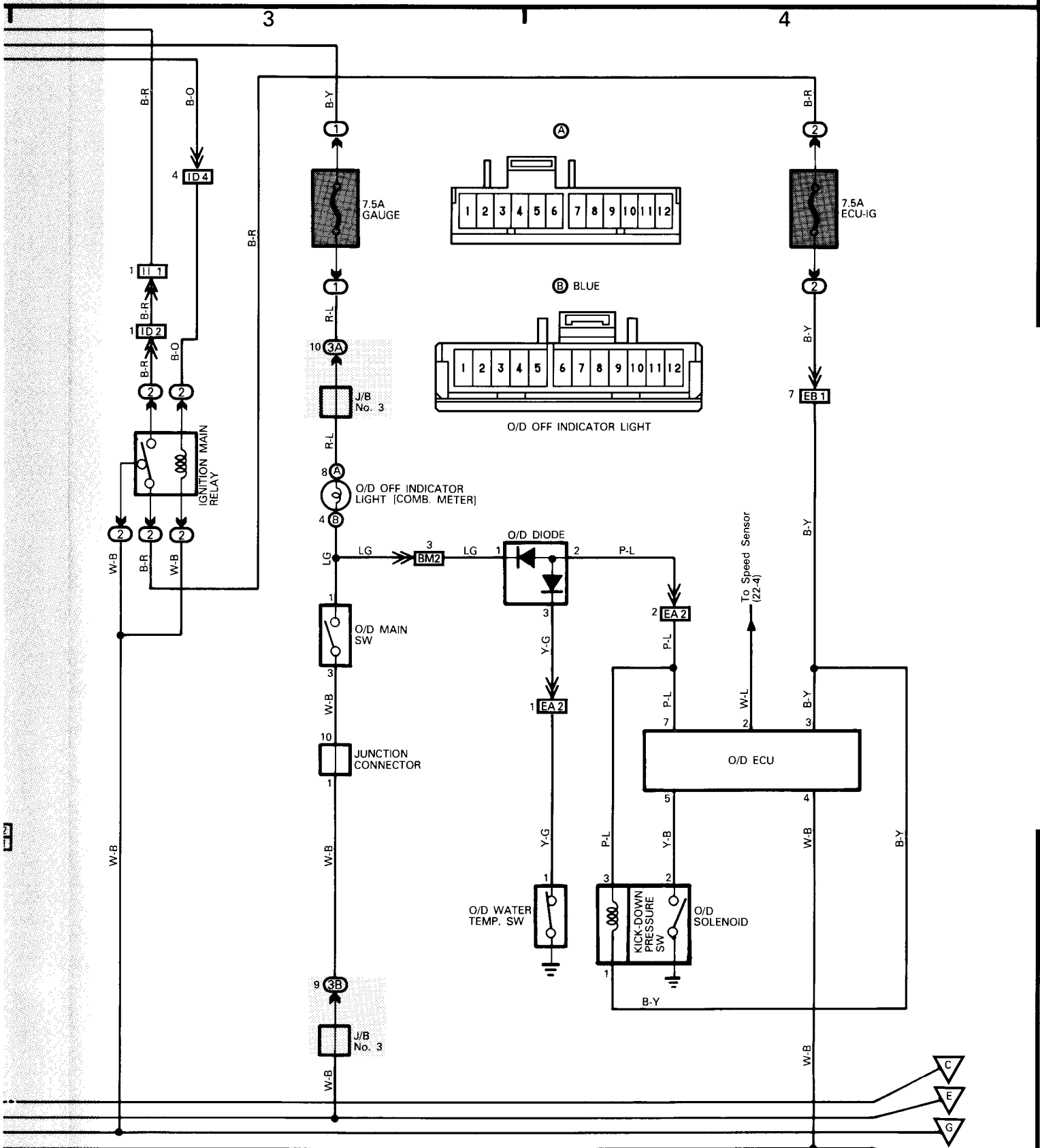
Power Source



Power Window



O/D Over Drive

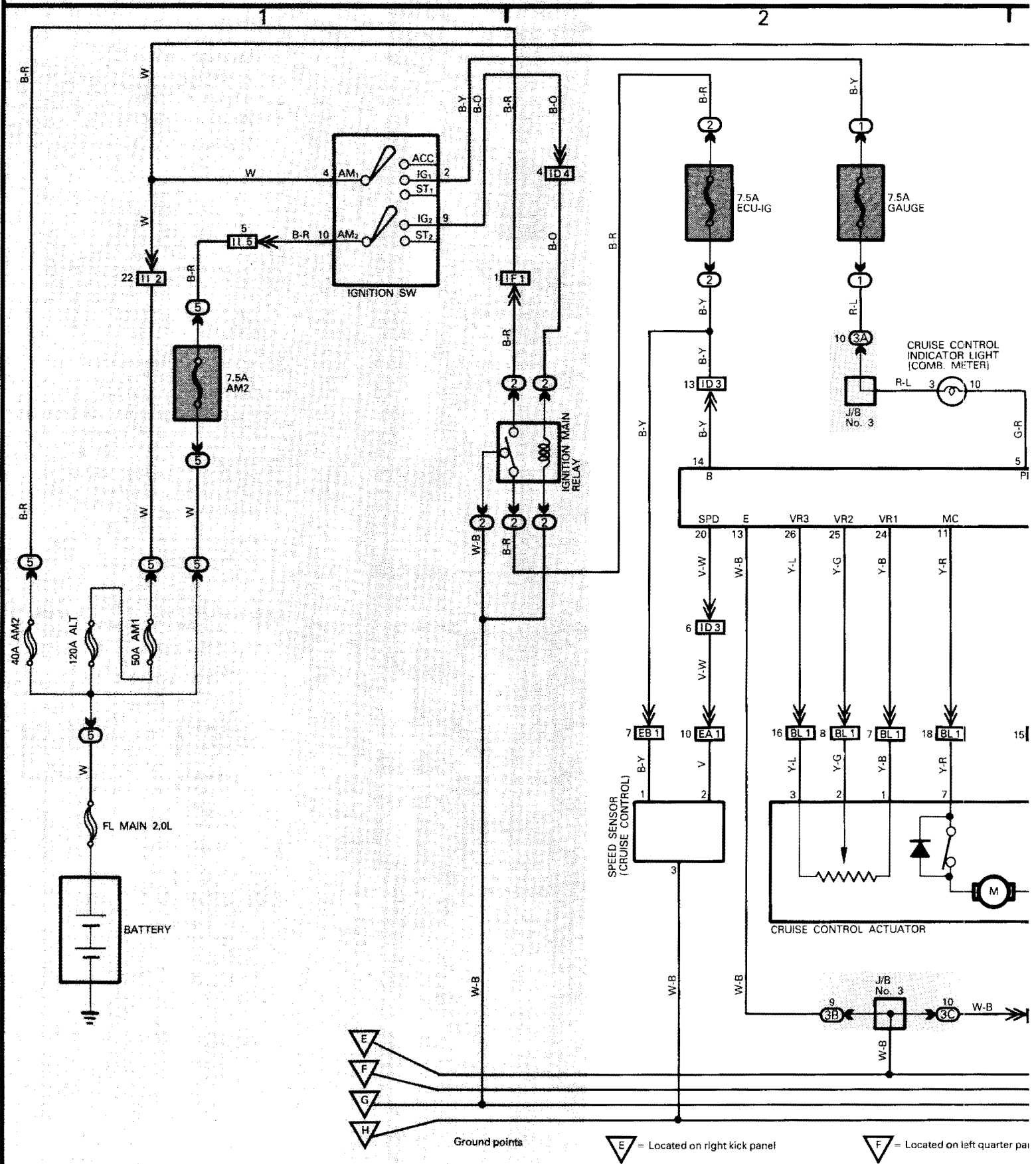
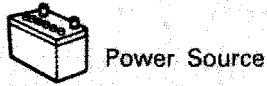


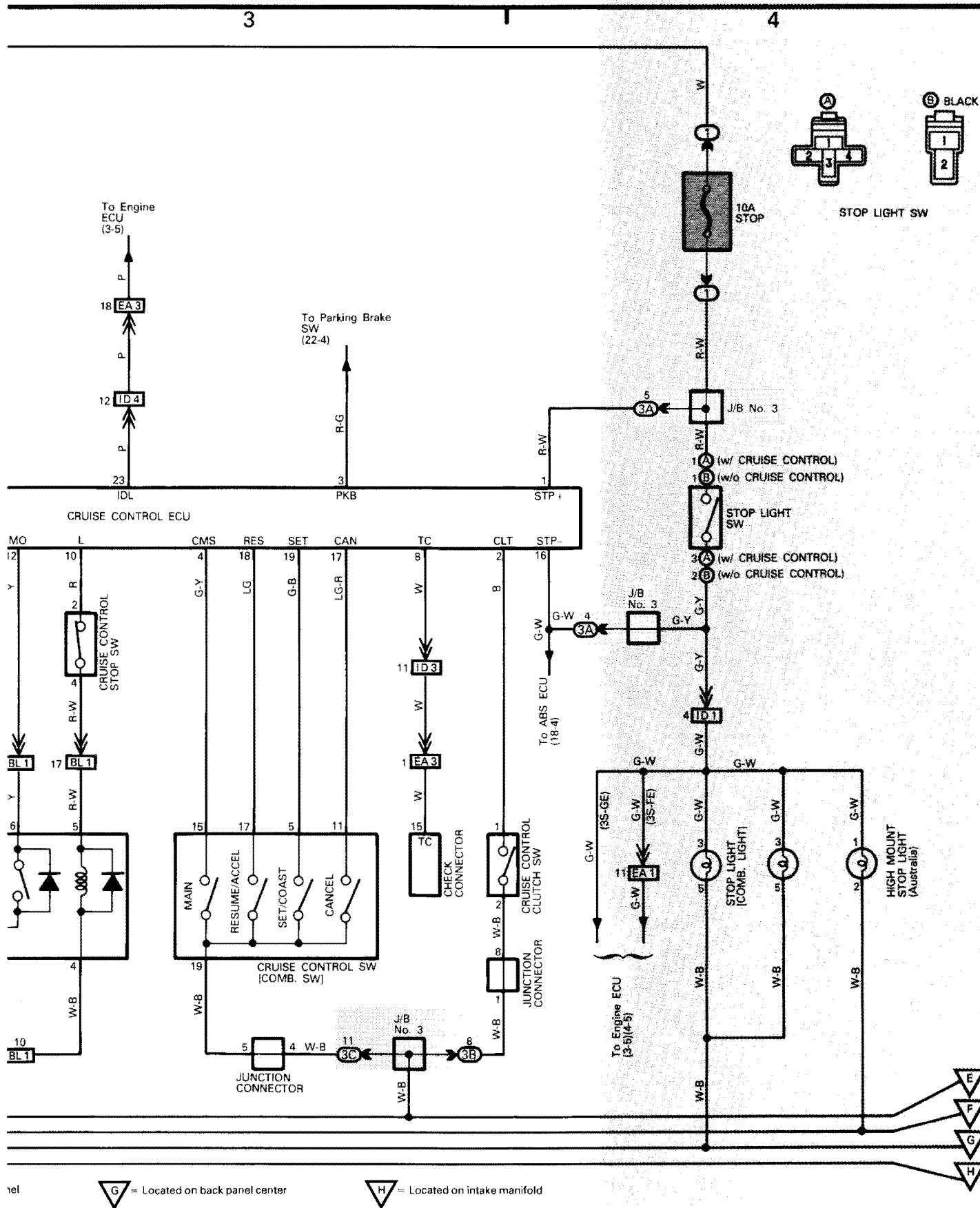
G = Located on back panel center

H = Located on intake manifold



MR2 (Cont'd)



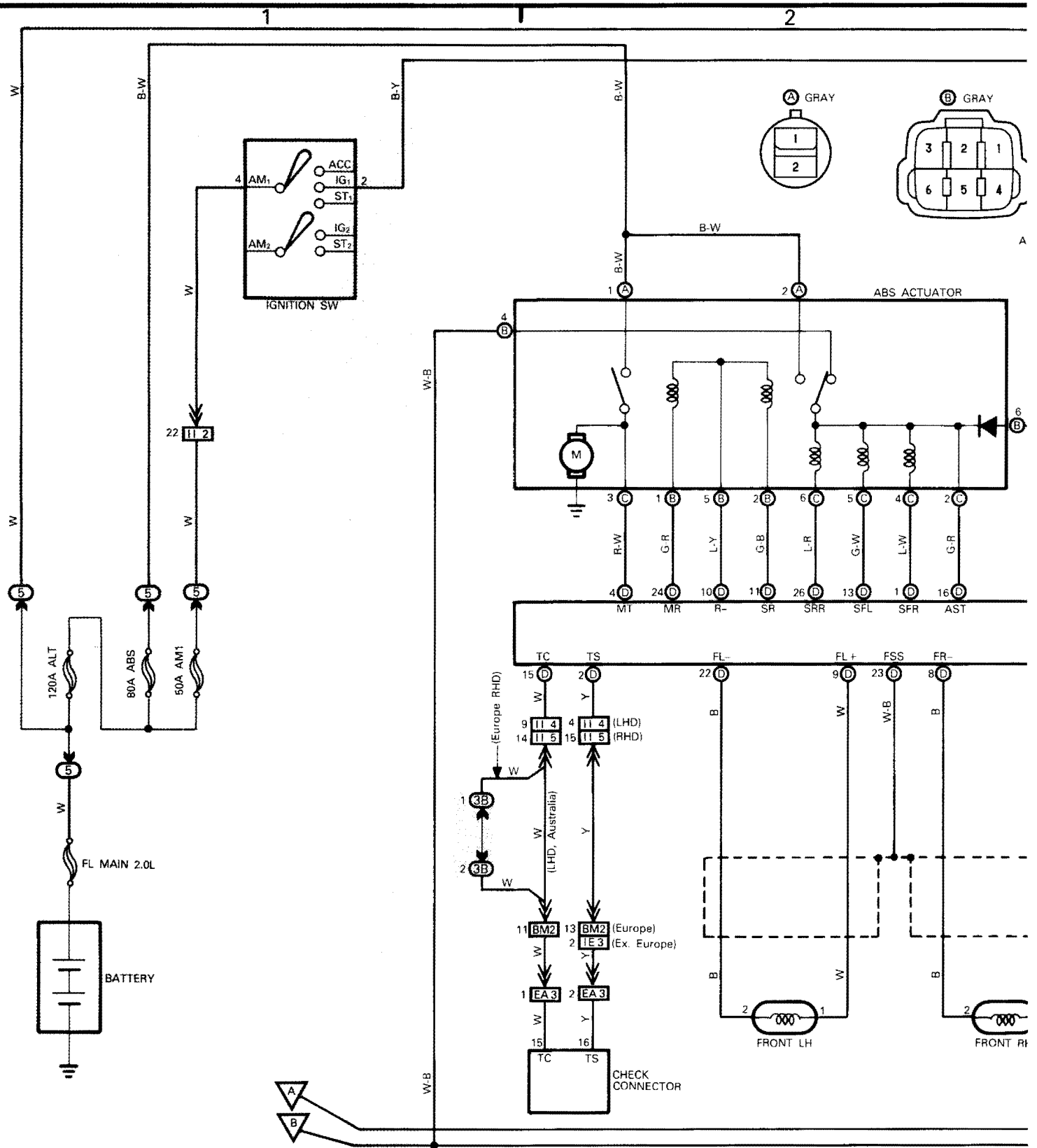


1el = Located on back panel center = Located on intake manifold

18 MR2 (Cont'd)



Power Source



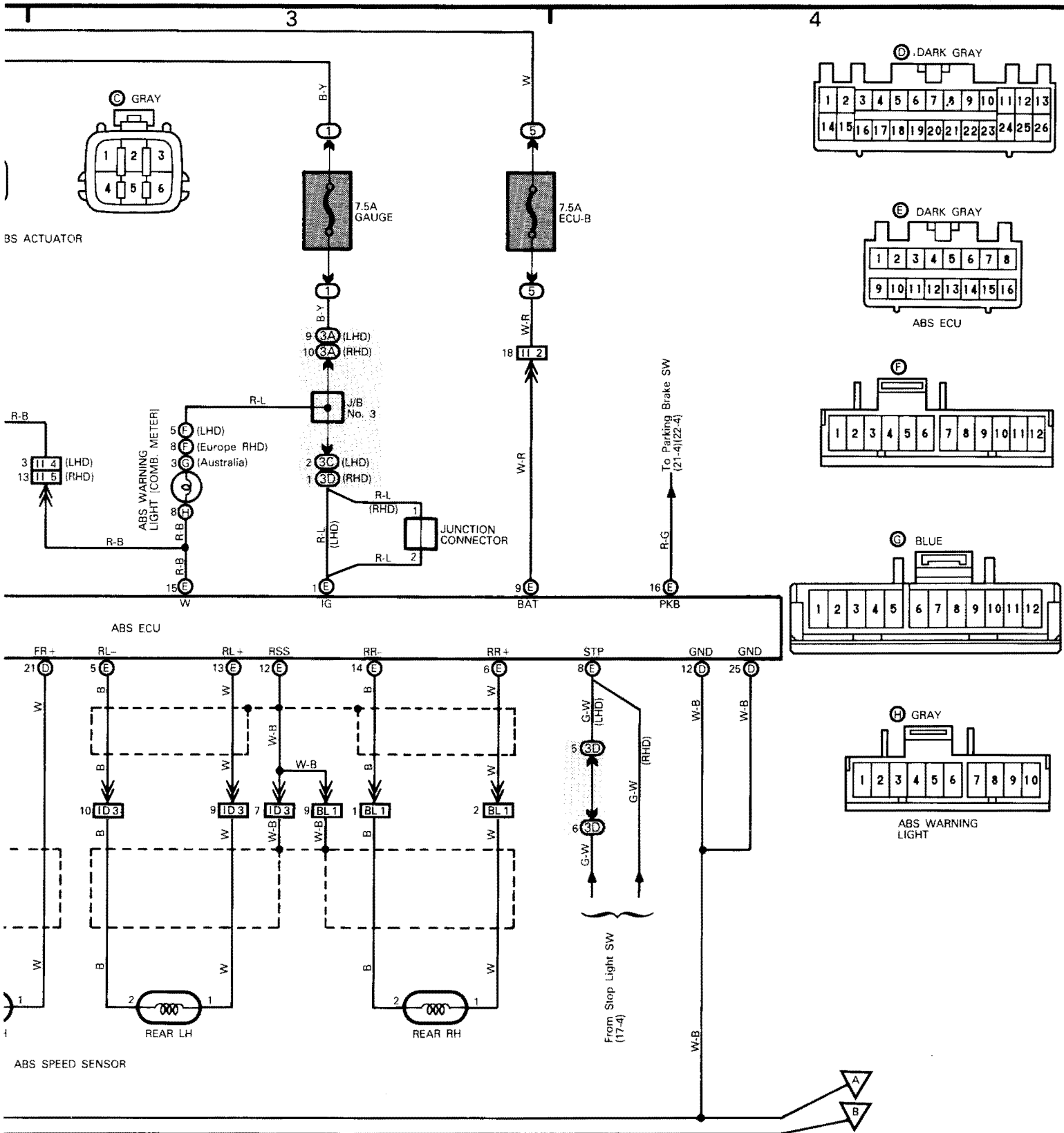
Ground points

A = Located on front left fender

B = Located on front right fender



ABS (Anti-lock Brake System)



BS ACTUATOR

ABS ECU

ABS SPEED SENSOR

REAR LH

REAR RH

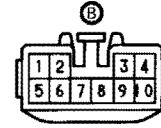
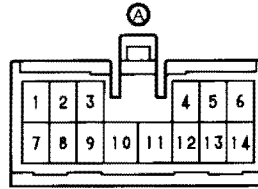
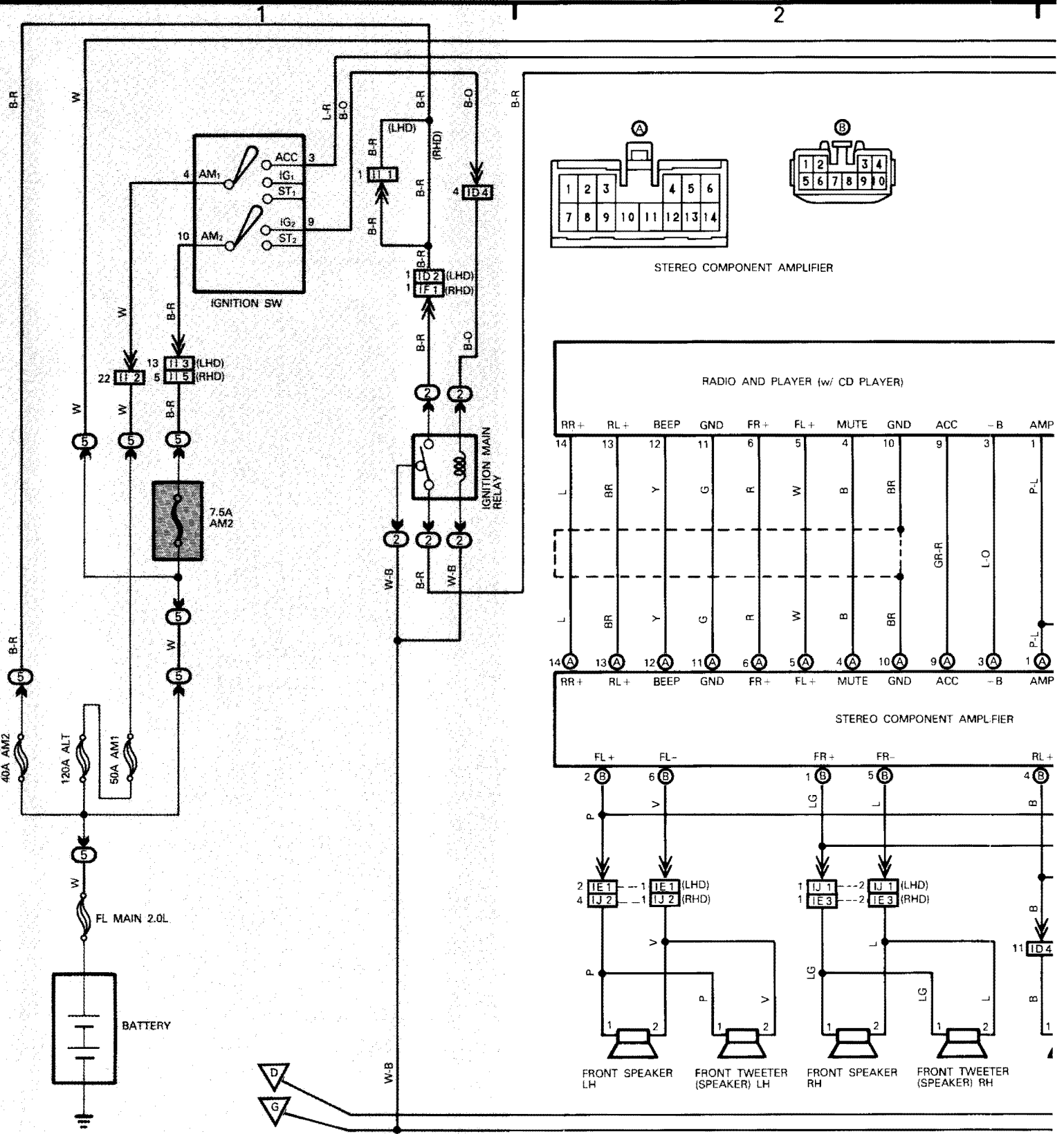
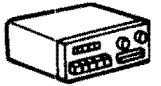
From Stop Light SW (17-4)

ABS WARNING LIGHT

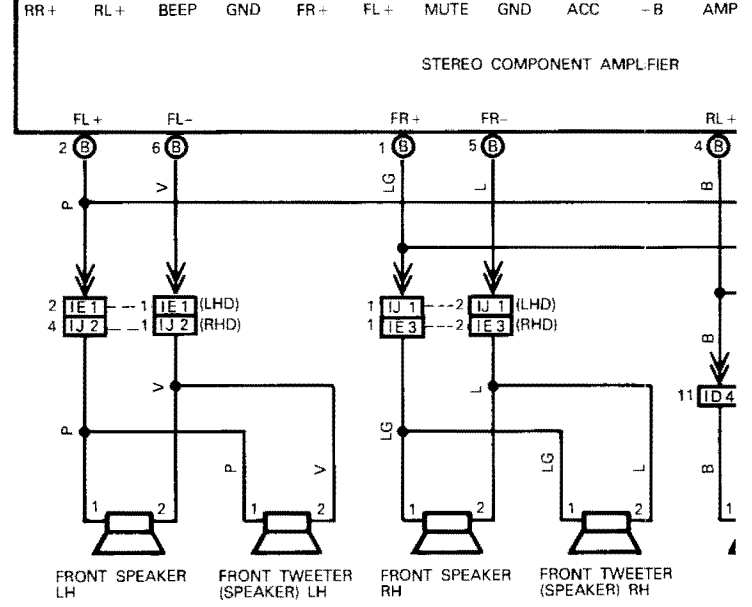
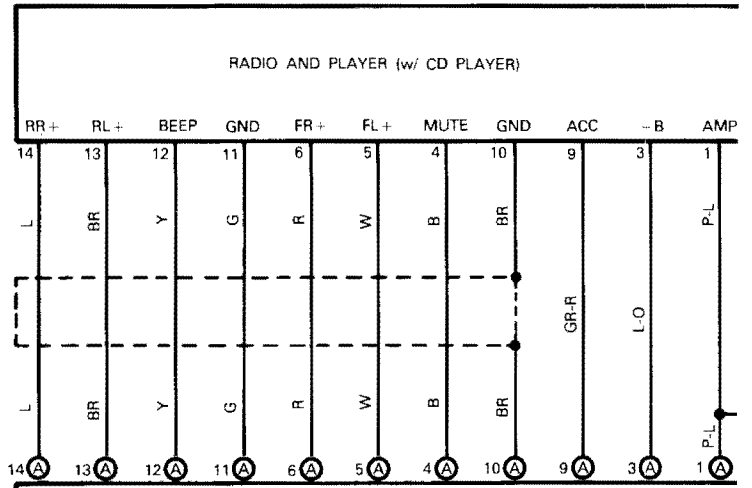
MR2 (Cont'd)



Power Source



STEREO COMPONENT AMPLIFIER

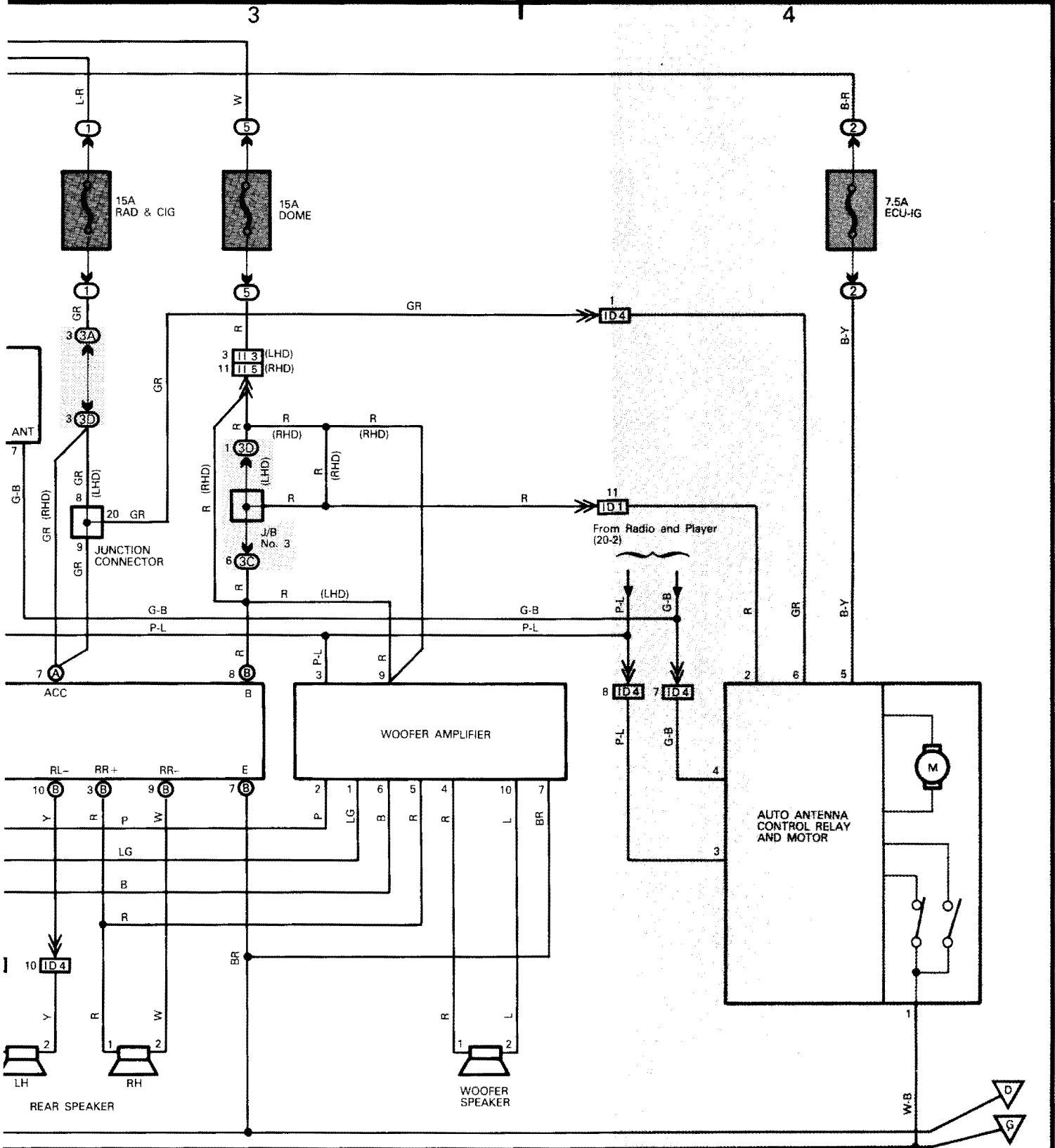
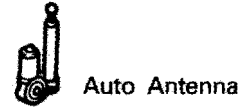


Ground points

= Located on instrument panel center

= Located on back panel center

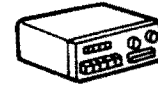
Radio and Player (w/ CD Player)



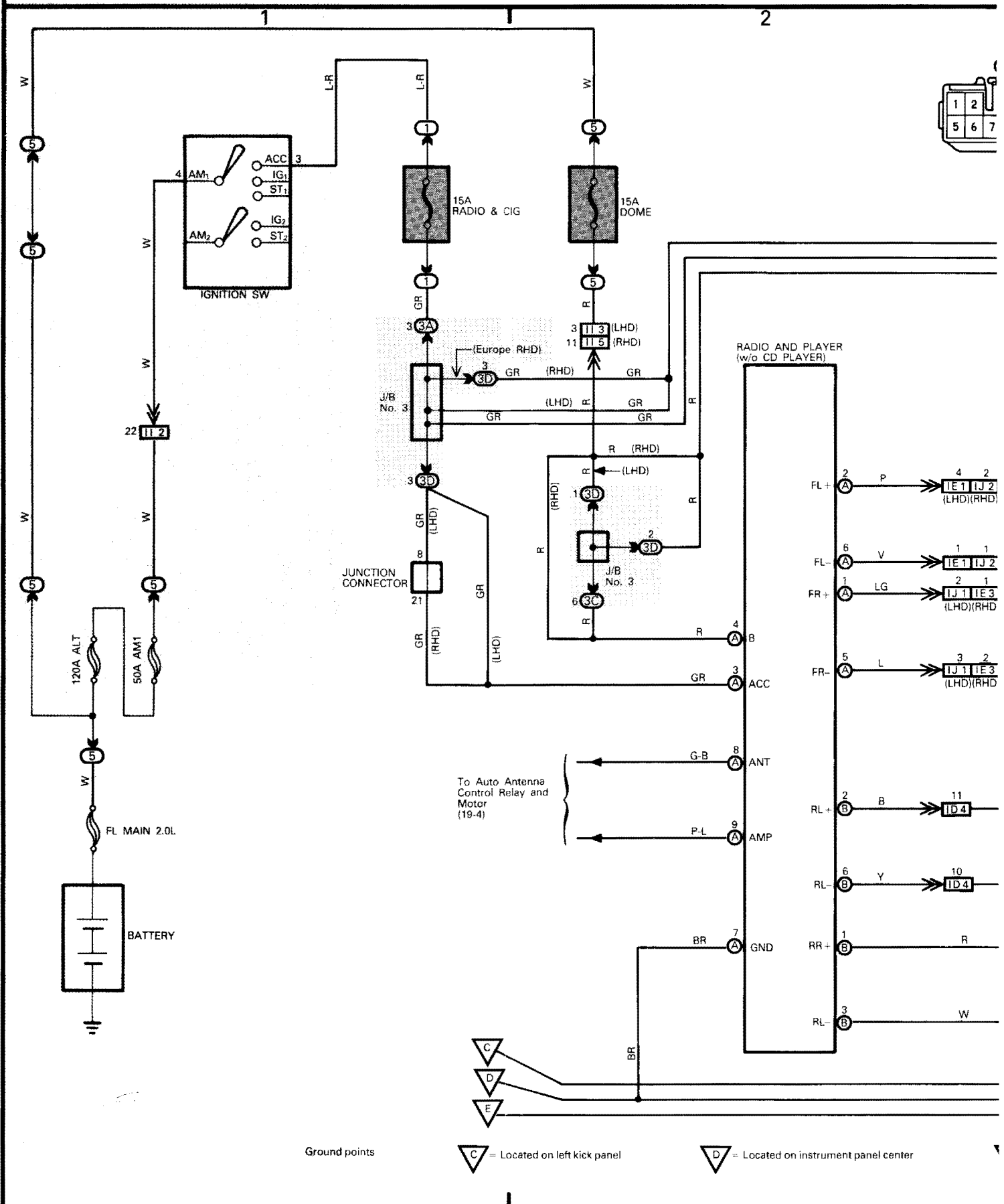
20 MR2 (Cont'd)



Power Source



Radio and Player (w/o



Ground points

C = Located on left kick panel

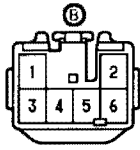
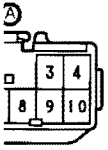
D = Located on instrument panel center

CD Player)

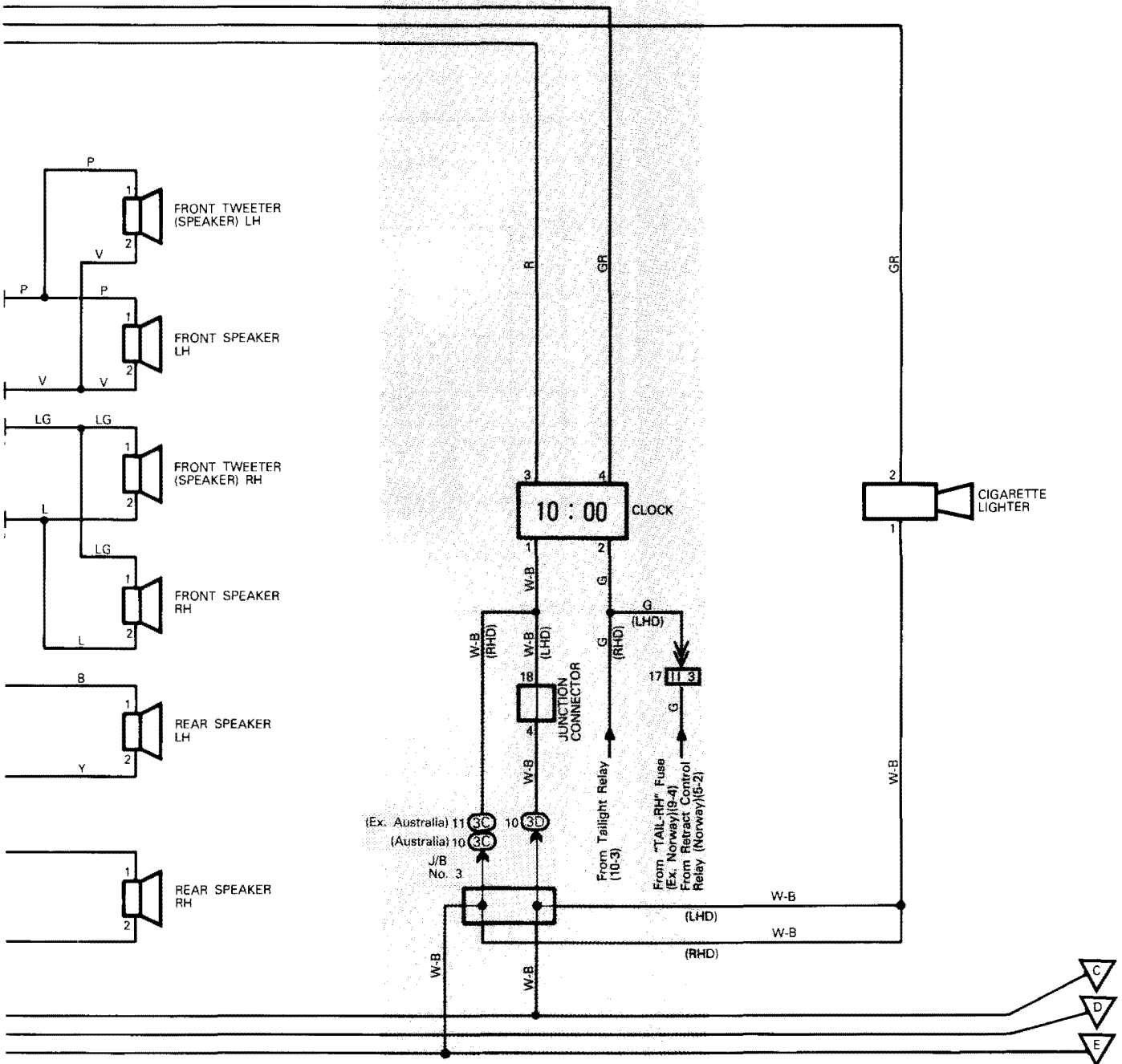


3

4



RADIO AND PLAYER

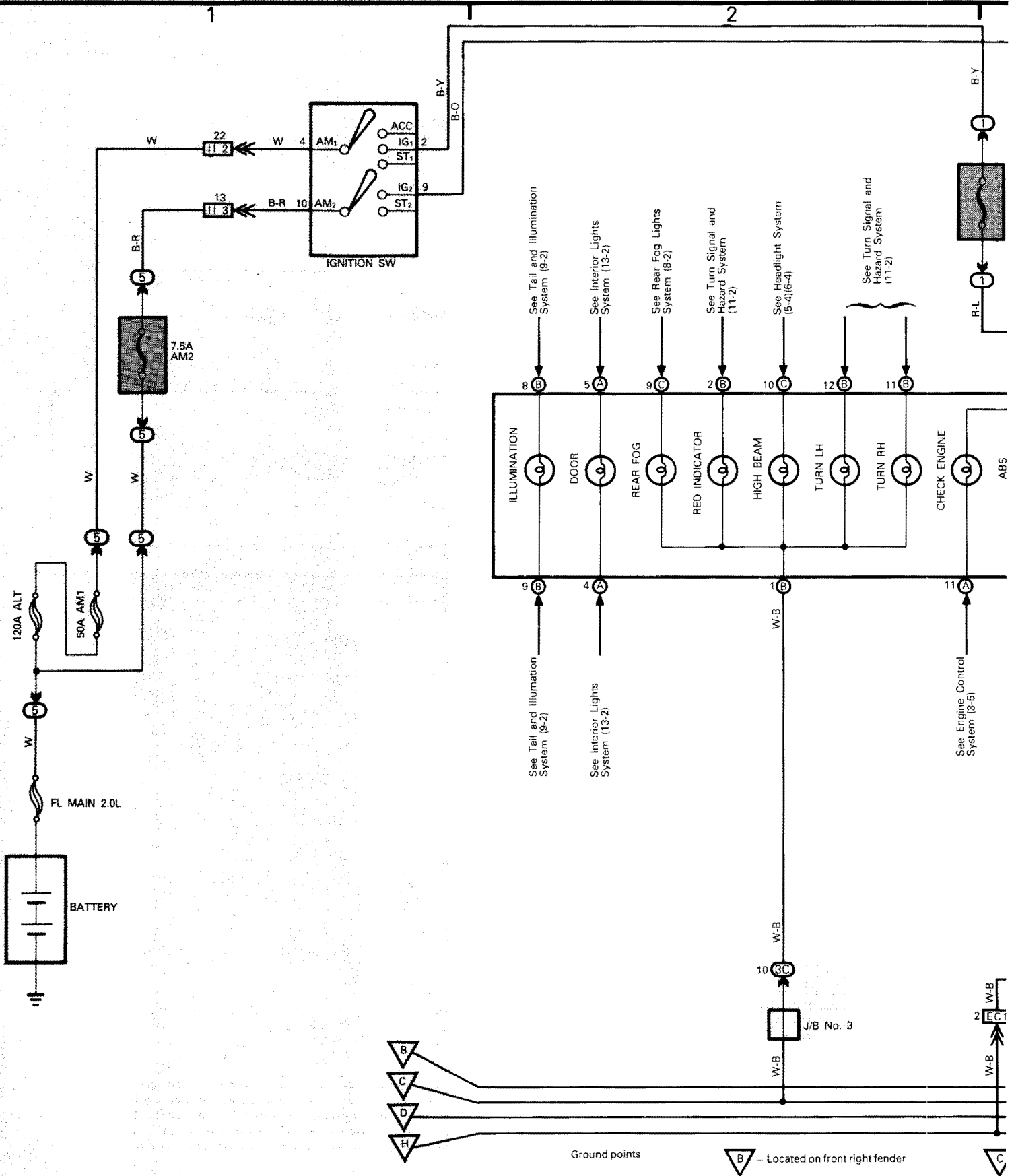


E = Located on right kick panel

MR2 (Cont'd)



Power Source



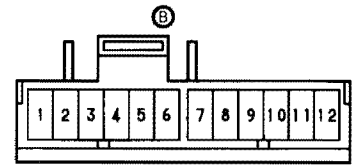
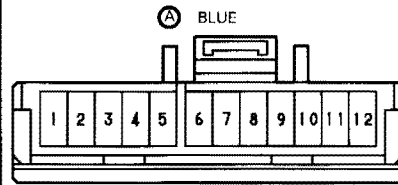
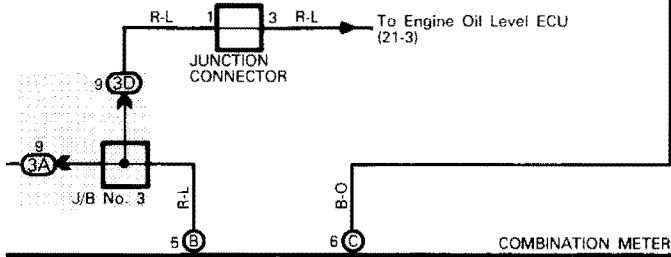


Combination Meter (LHD)

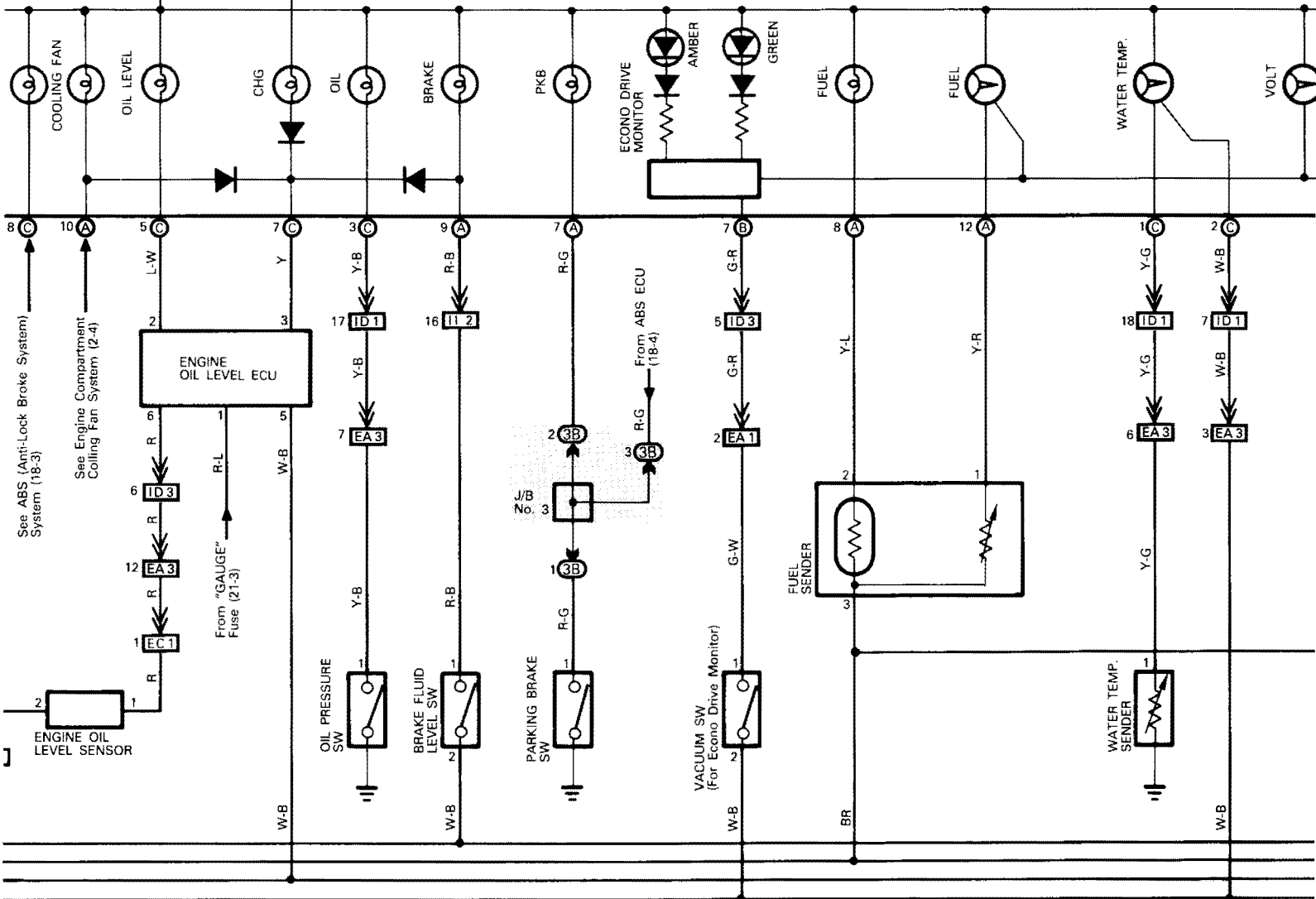
3

4

7.5A GAUGE



COMBINATION METER



7 = Located on left kick panel

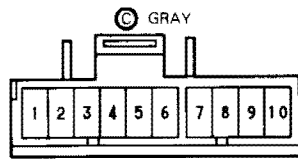
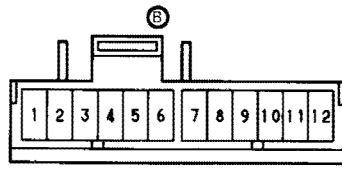
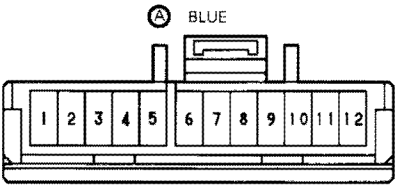
D = Located on instrument panel center

H = Located on intake manifold

Combination Meter (LHD)

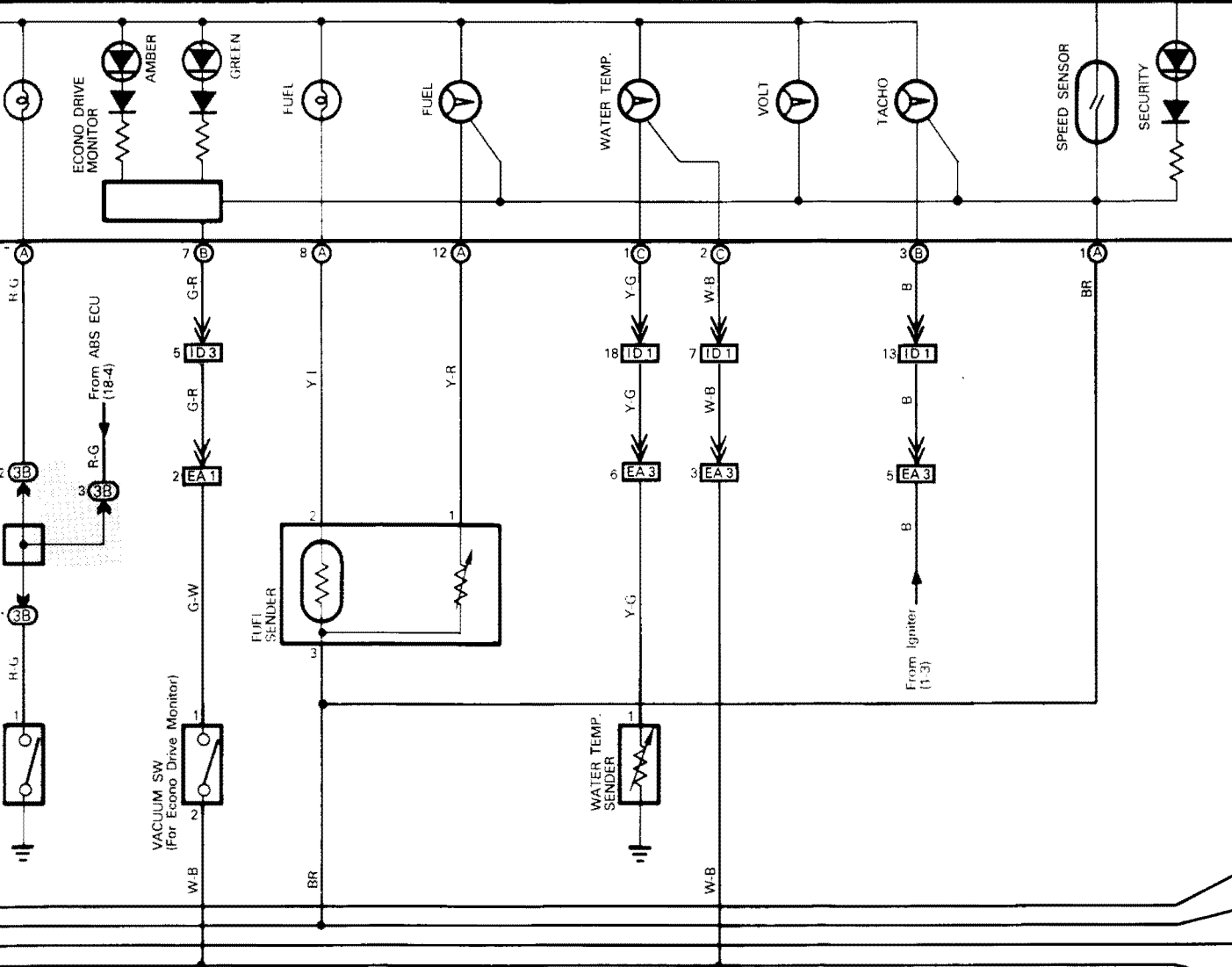
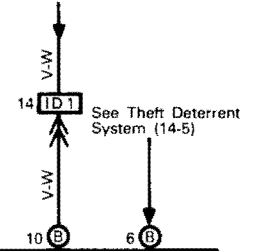
4

5



COMBINATION METER

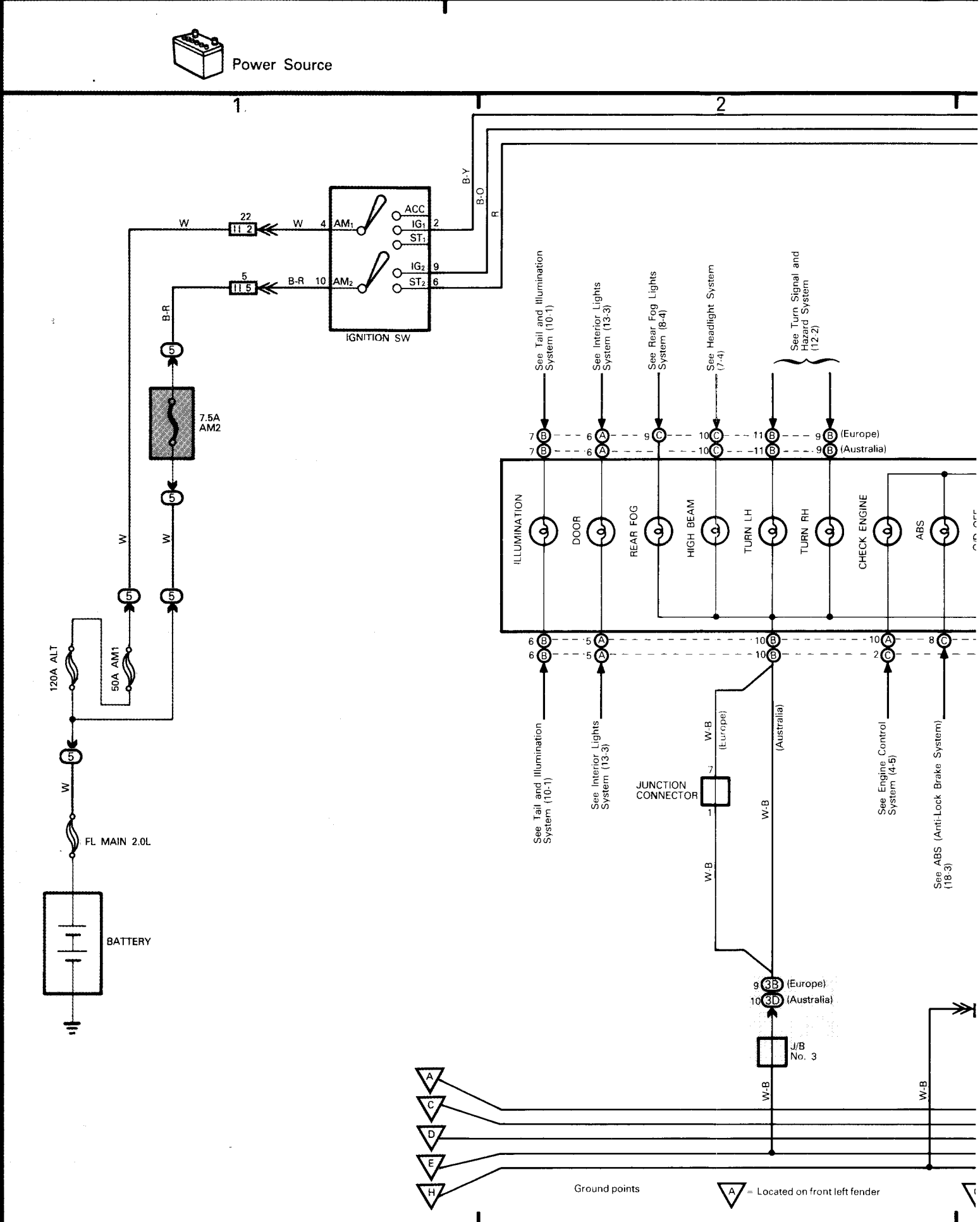
From Engine ECU (3-5)
From Cooling Fan ECU (2-4)



△ H = Located on intake manifold

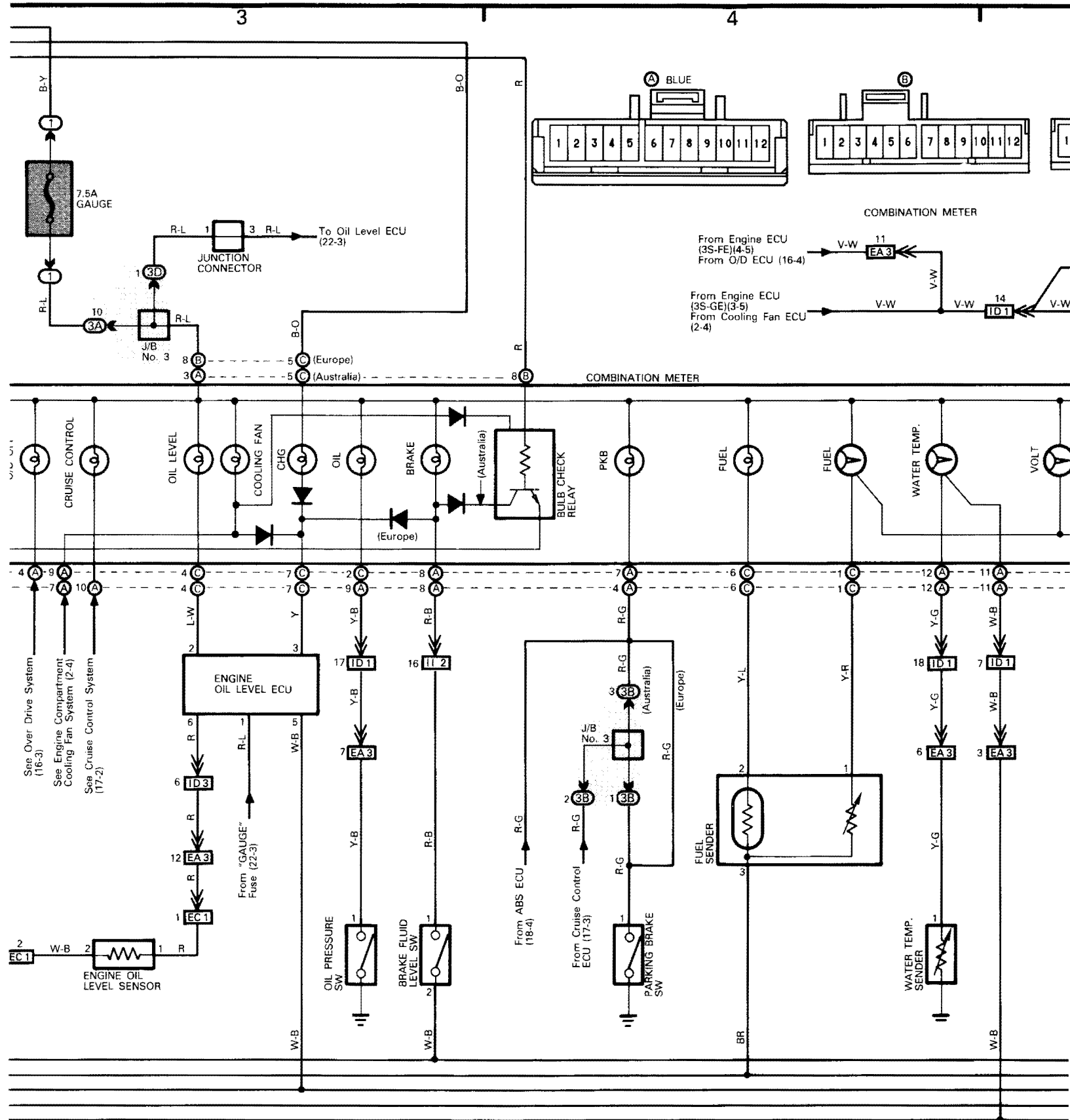


22 MR2 (Cont'd)





Combination Meter (RHD)



7 = Located on left kick panel

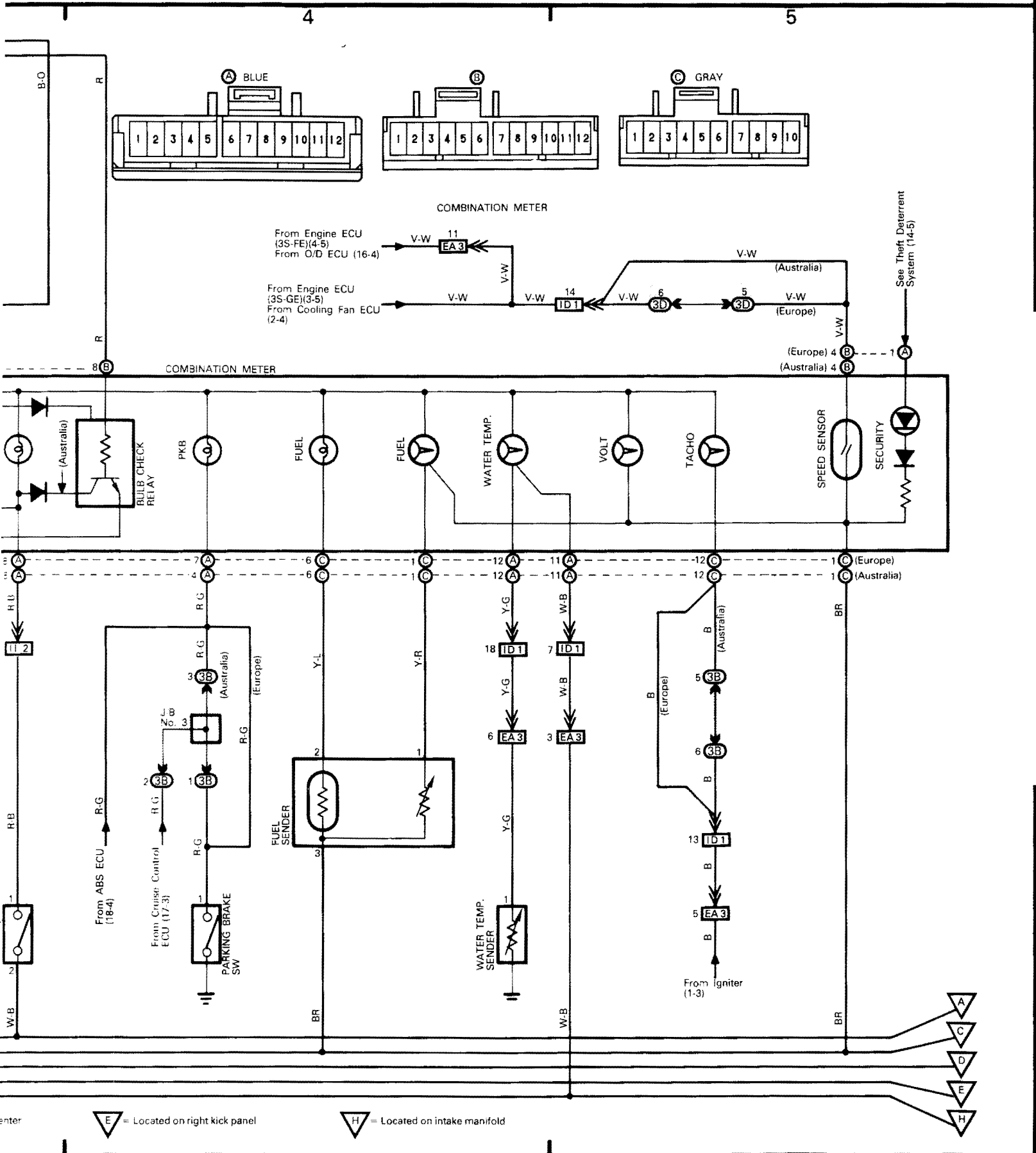
D = Located on instrument panel center

E = Located on right kick panel

H = Located on intake manifold



Combination Meter (RHD)



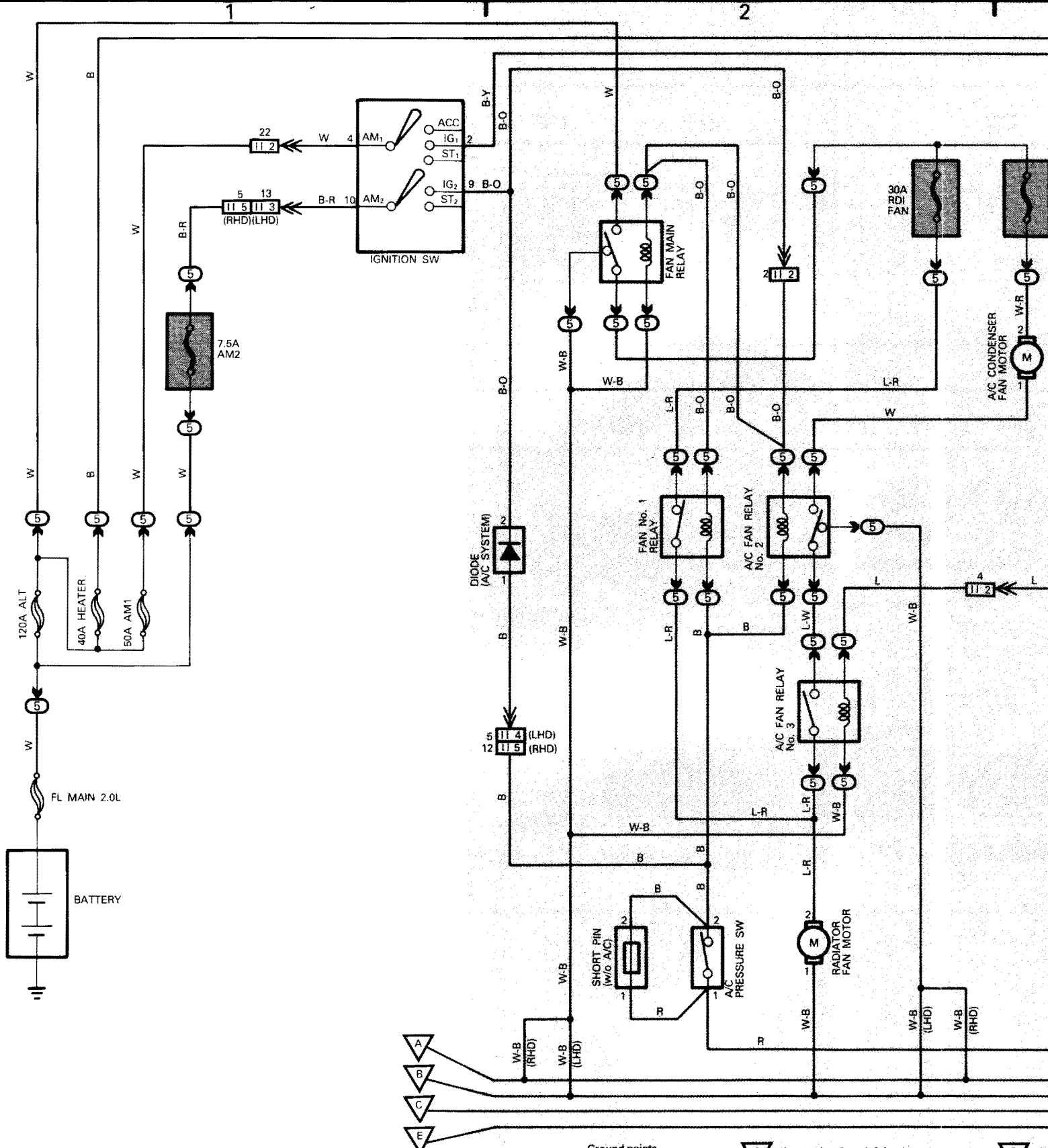
MR2 (Cont'd)



Power Source

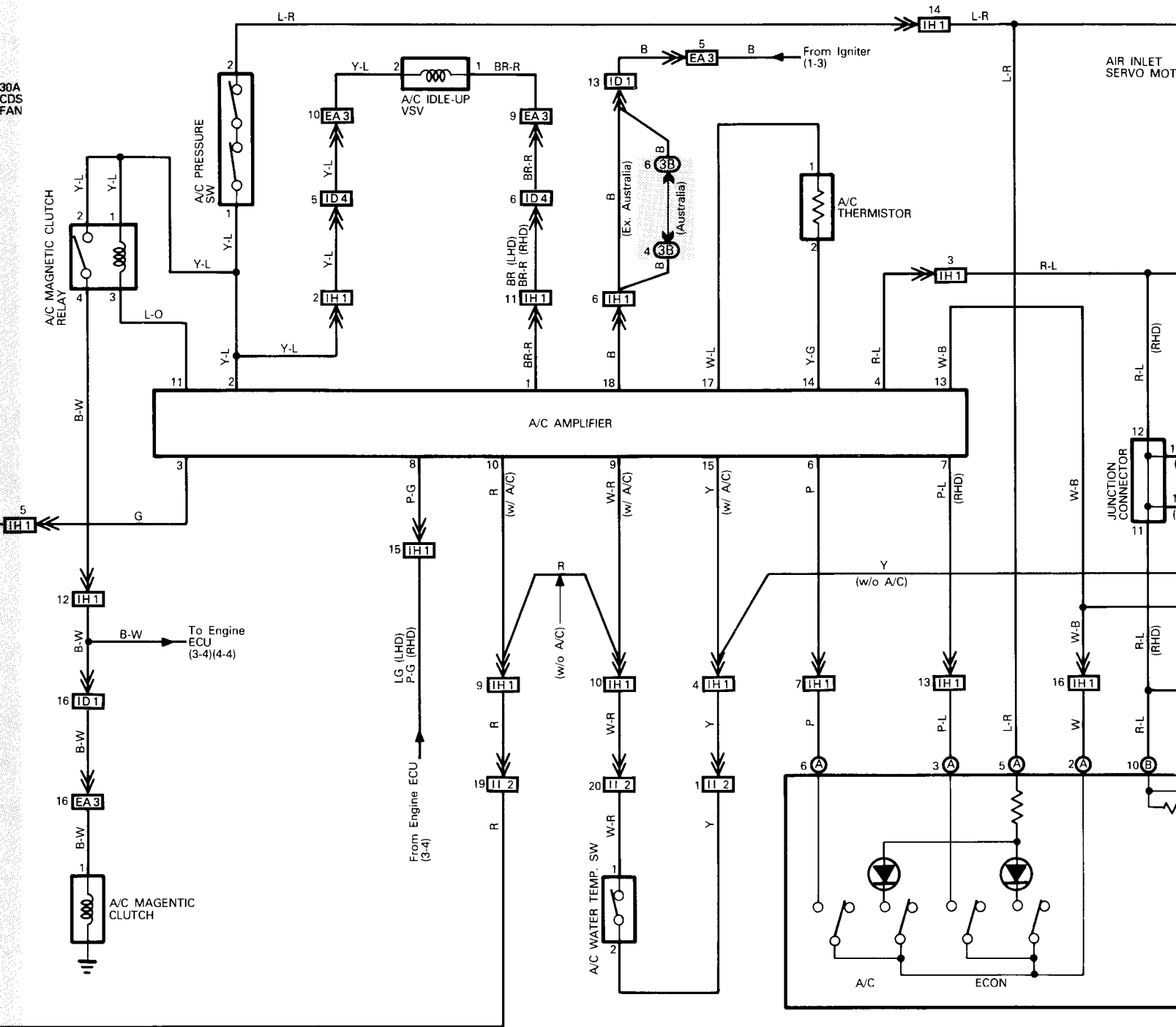


Radiator Fan and Condenser Fan



Ground points △ = Located on front left fender △ = L

30A
CDS
FAN



located on front right fender

= Located on left kick panel

= Located on right kick panel

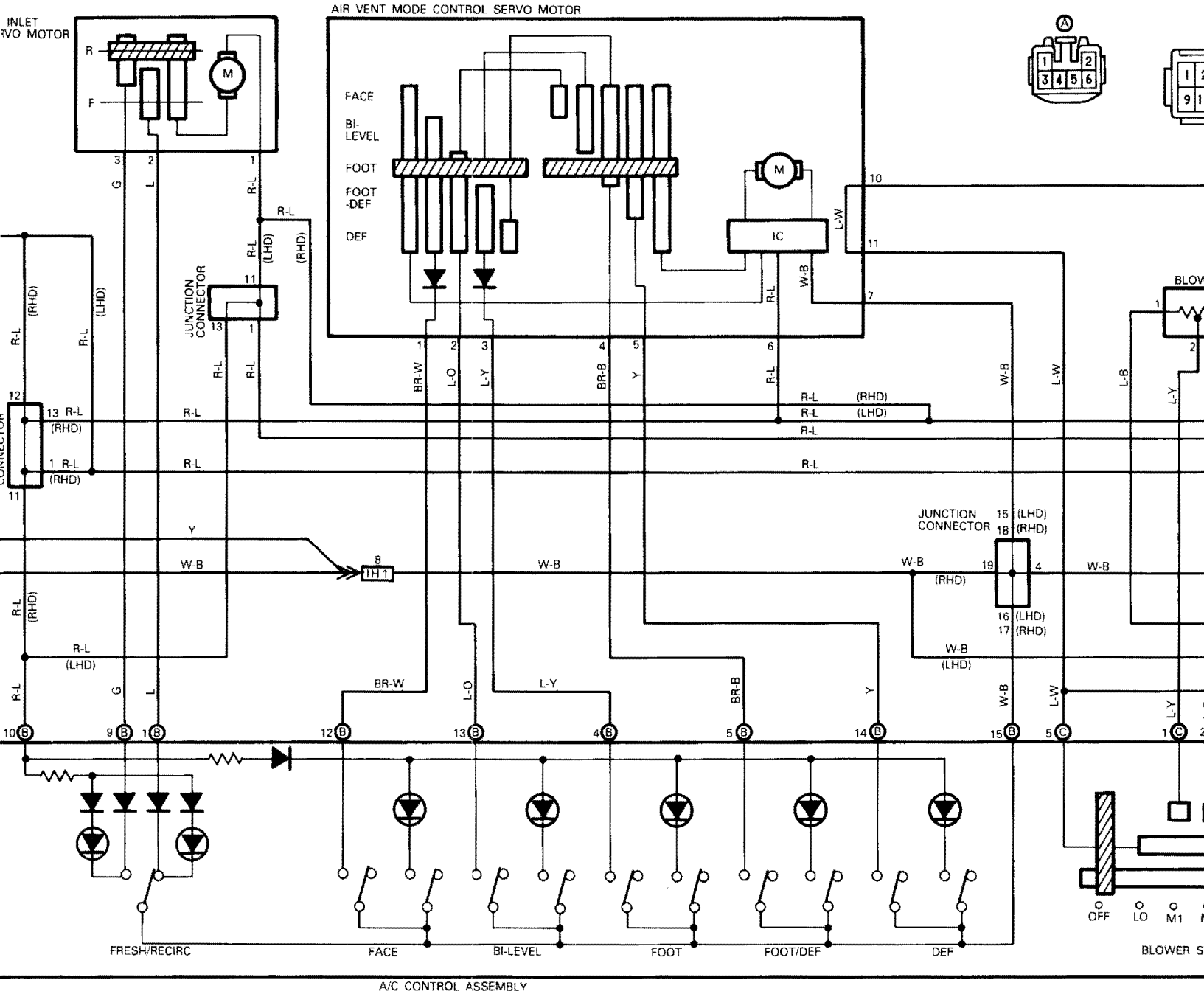


Air Conditioner, Cooler and Heater

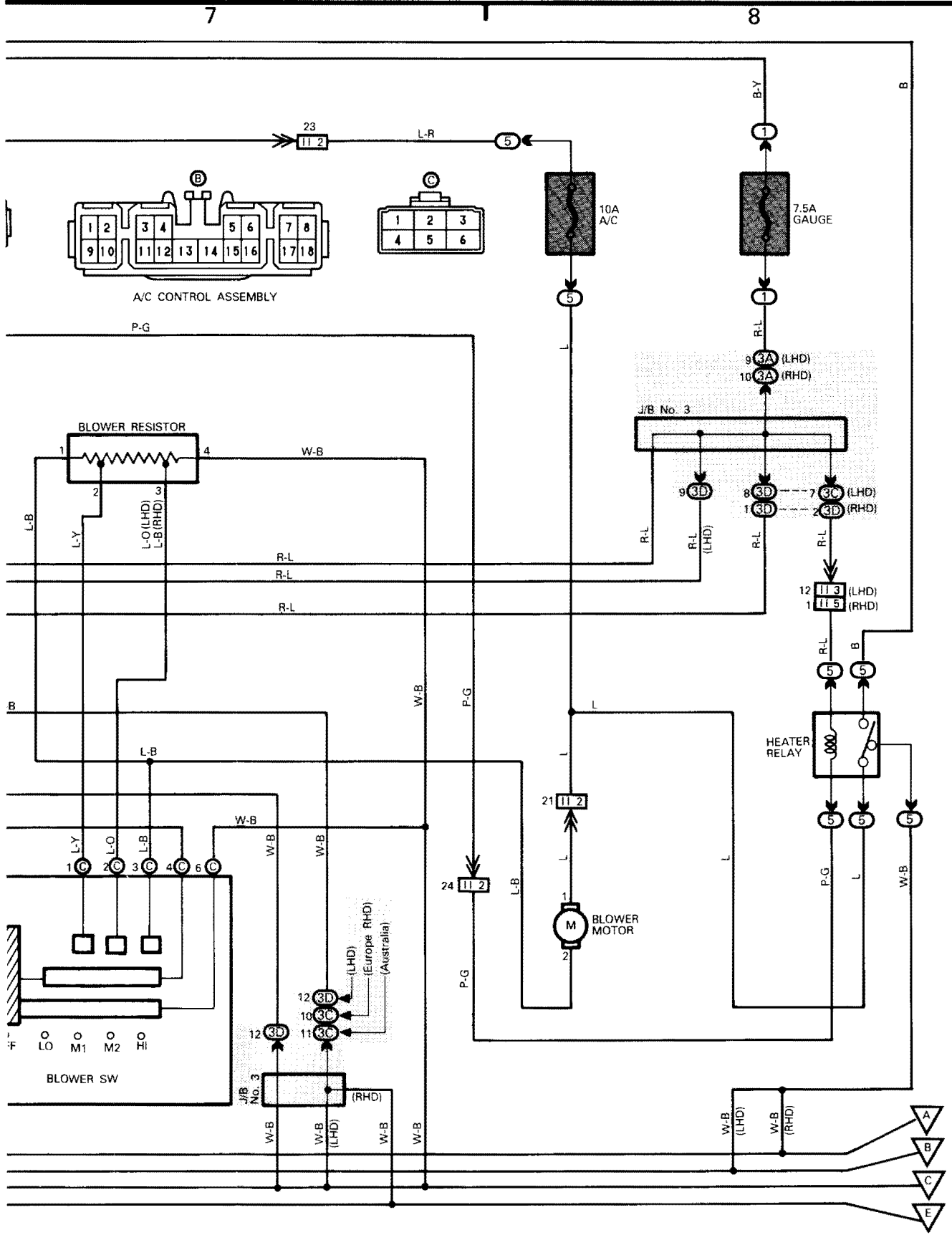
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6

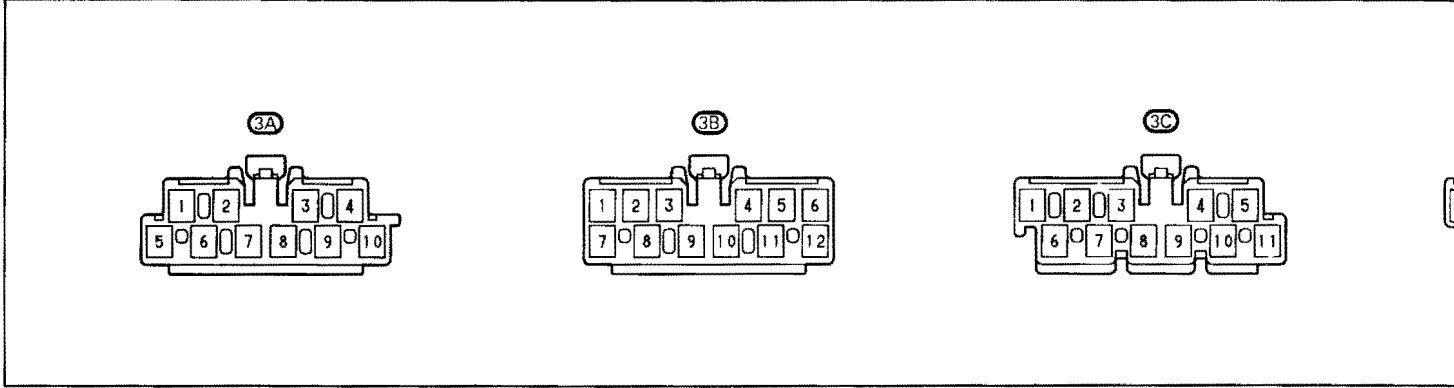
L-R



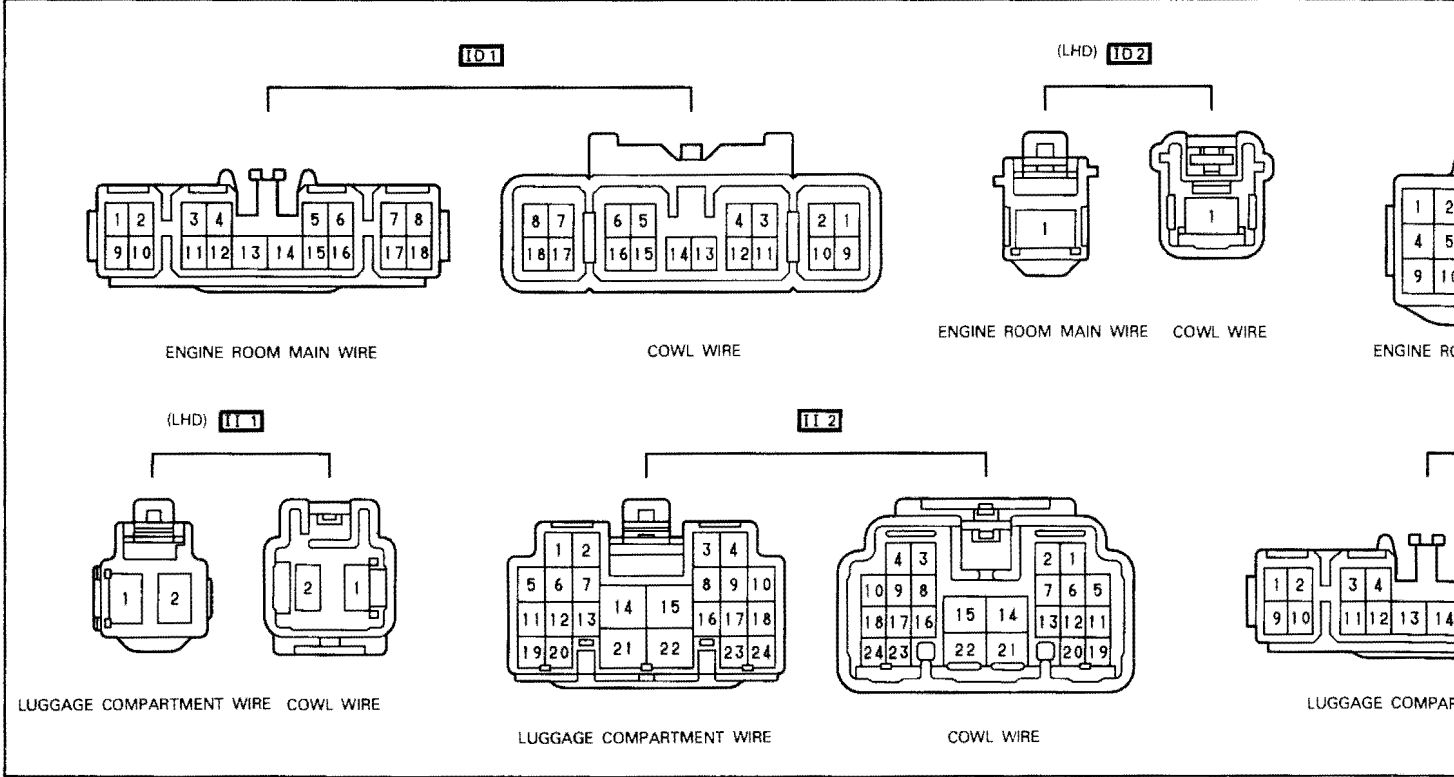
A/C CONTROL ASSEMBLY



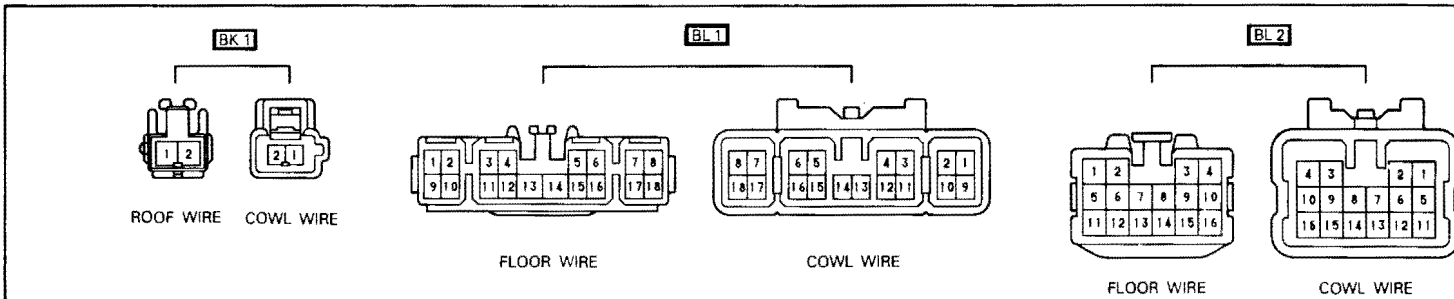
**Junction Block and Wire Harness Connector
J/B No. 3 (Behind Combination Meter)**



(I Groupe : Instrument Panel and surrounding Area)



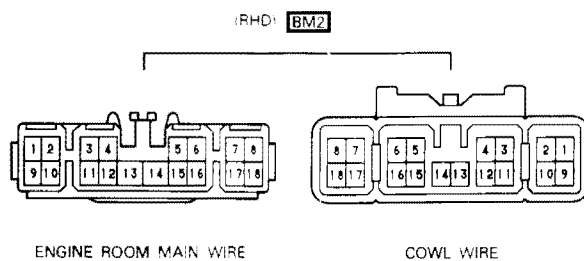
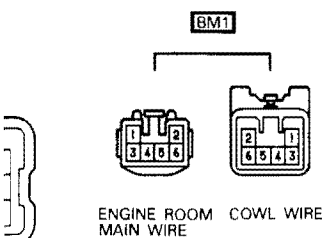
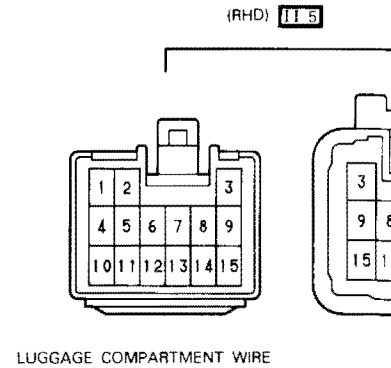
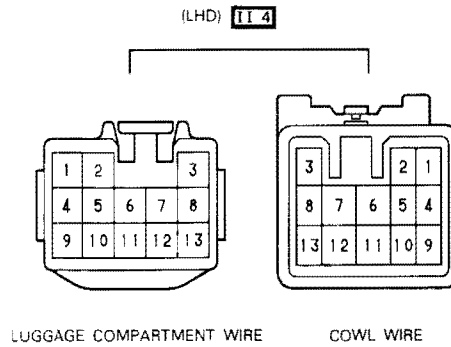
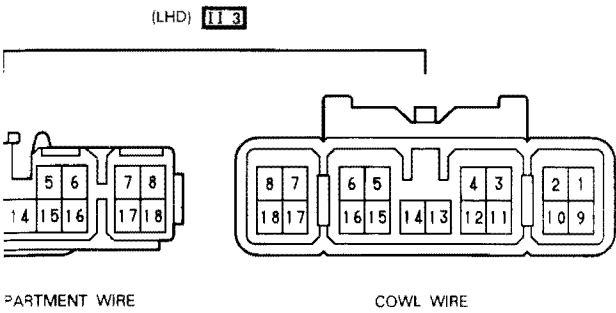
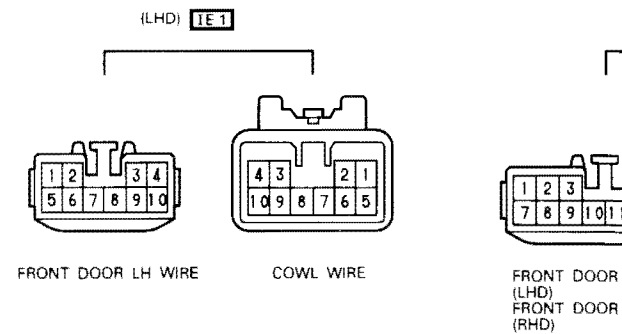
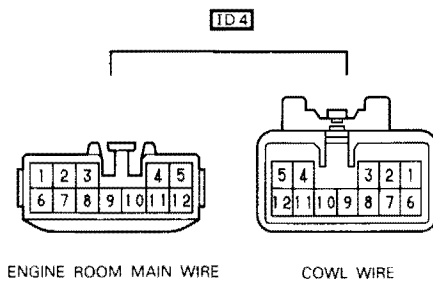
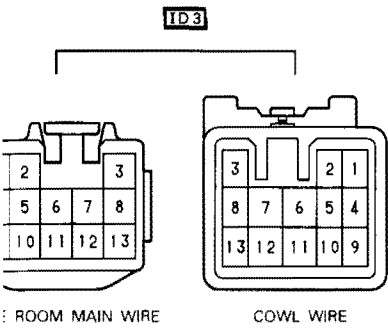
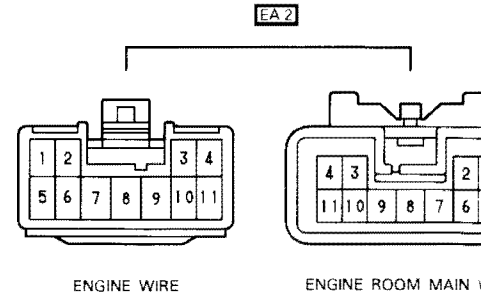
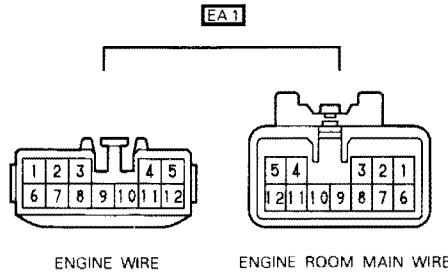
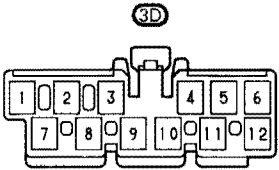
(B Group : Body and Surrounding Area)



3

4

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

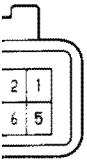


5

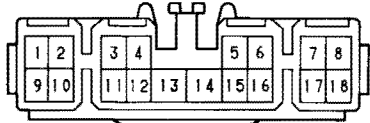
6

EA 3

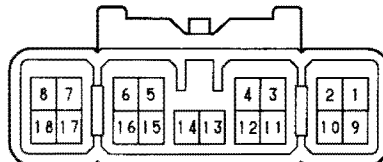
EA 4



WIRE



ENGINE WIRE

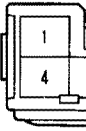


ENGINE ROOM MAIN WIRE



ENGINE WIRE

ENGINE ROOM MAIN WIRE

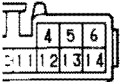


IE 2

(RHD) IE 3

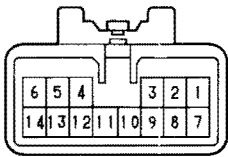
(RHD) IF 1

IG

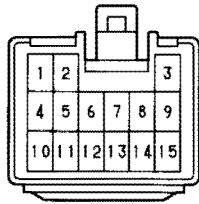


DR LH WIRE

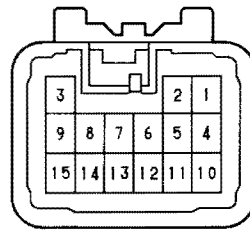
DR RH WIRE



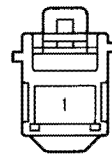
COWL WIRE



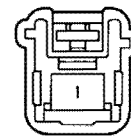
FRONT DOOR RH WIRE



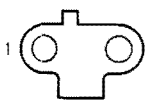
COWL WIRE



ENGINE ROOM MAIN WIRE
LUGGAGE COMPARTMENT WIRE

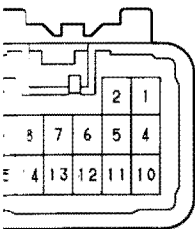


LUGGAGE COMPARTMENT WIRE

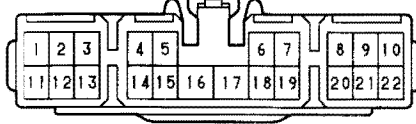


(RHD Europe) II 6

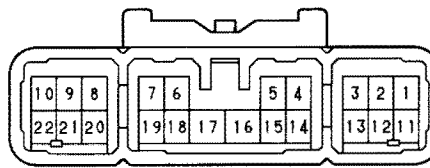
IJ 1



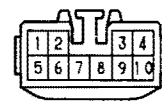
COWL WIRE



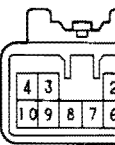
LUGGAGE COMPARTMENT WIRE



COWL WIRE



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



COWL WIRE

7

8

