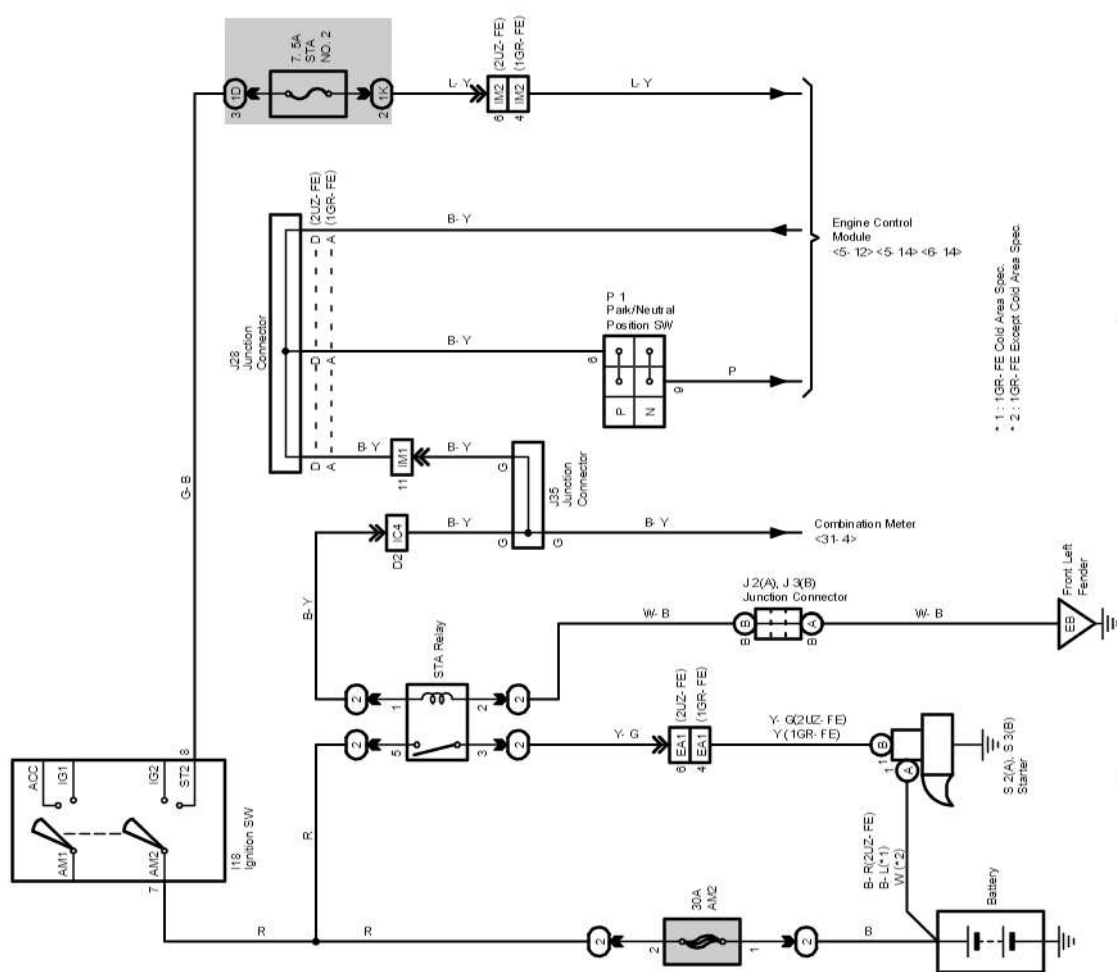


Power Source

Starting

4



* 1: 1GR-FE Cold Area Spec.
* 2: 1GR-FE Except Cold Area Spec.

* 1: 1GR-FE Cold Area Spec.
* 2: 1GR-FE Except Cold Area

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3 4RUNNER

Ignition (1GR-FE)

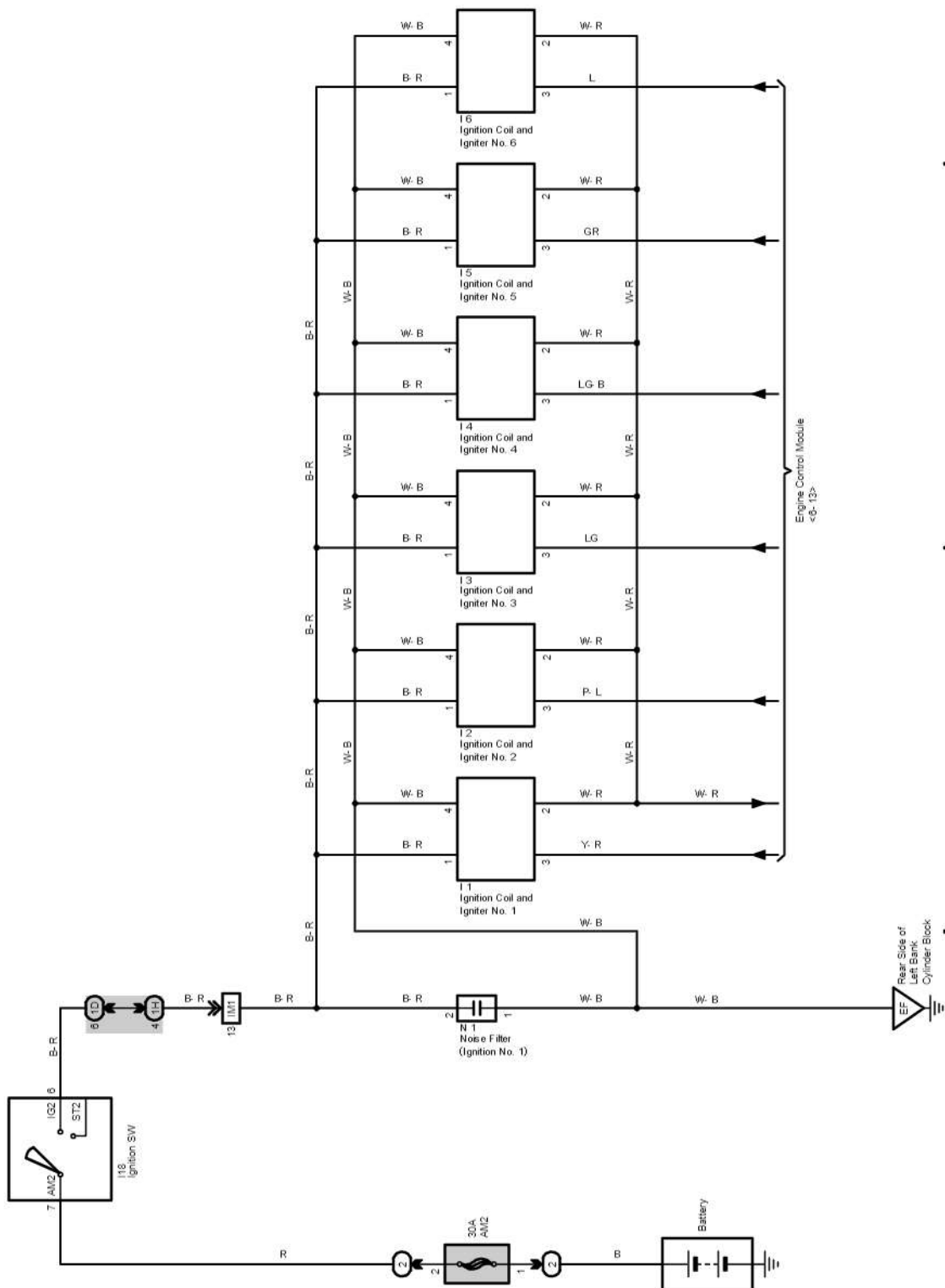
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3

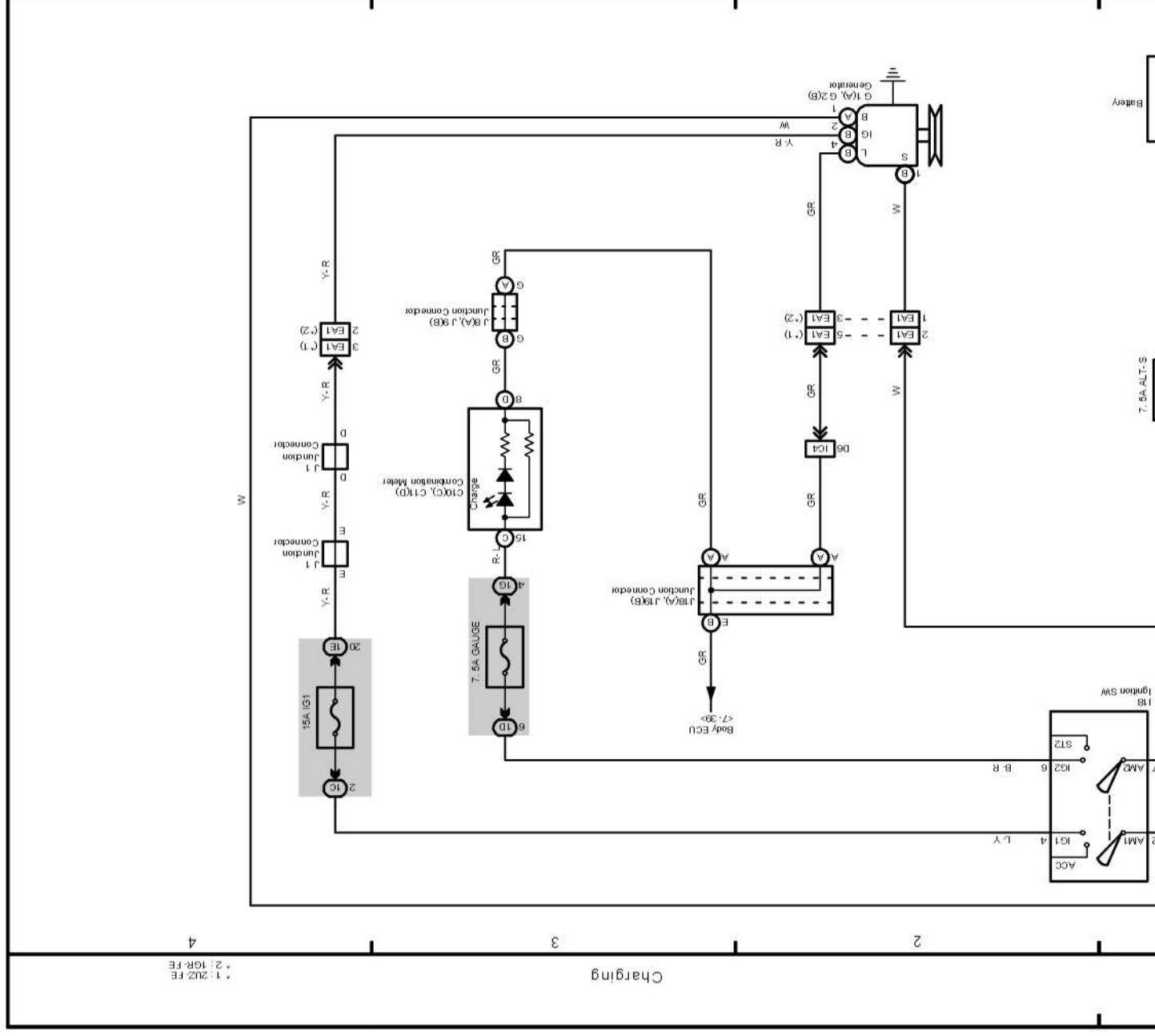
2

1

Power Source

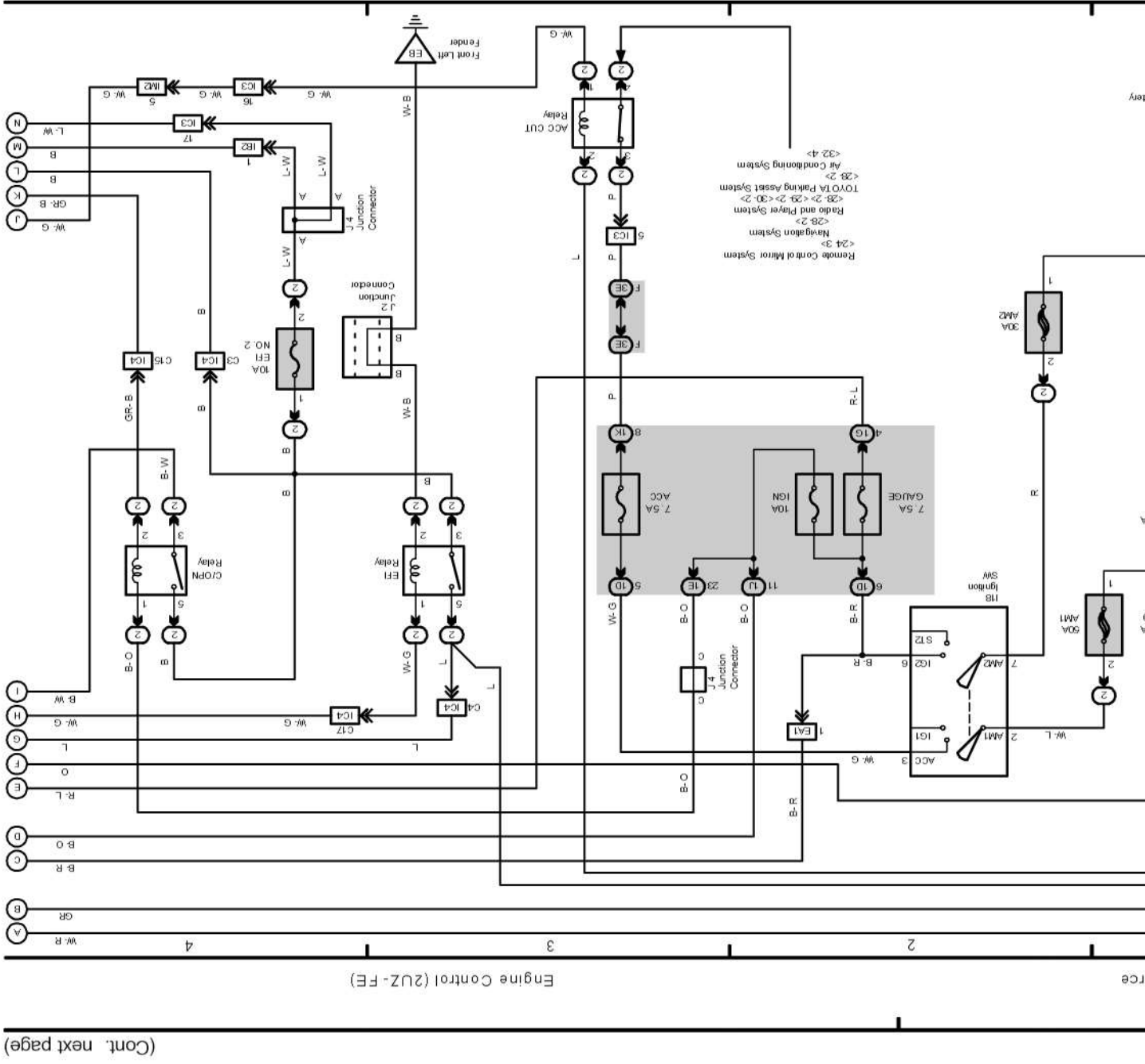


M OVERALL ELECTRICAL WIRING DIAGRAM

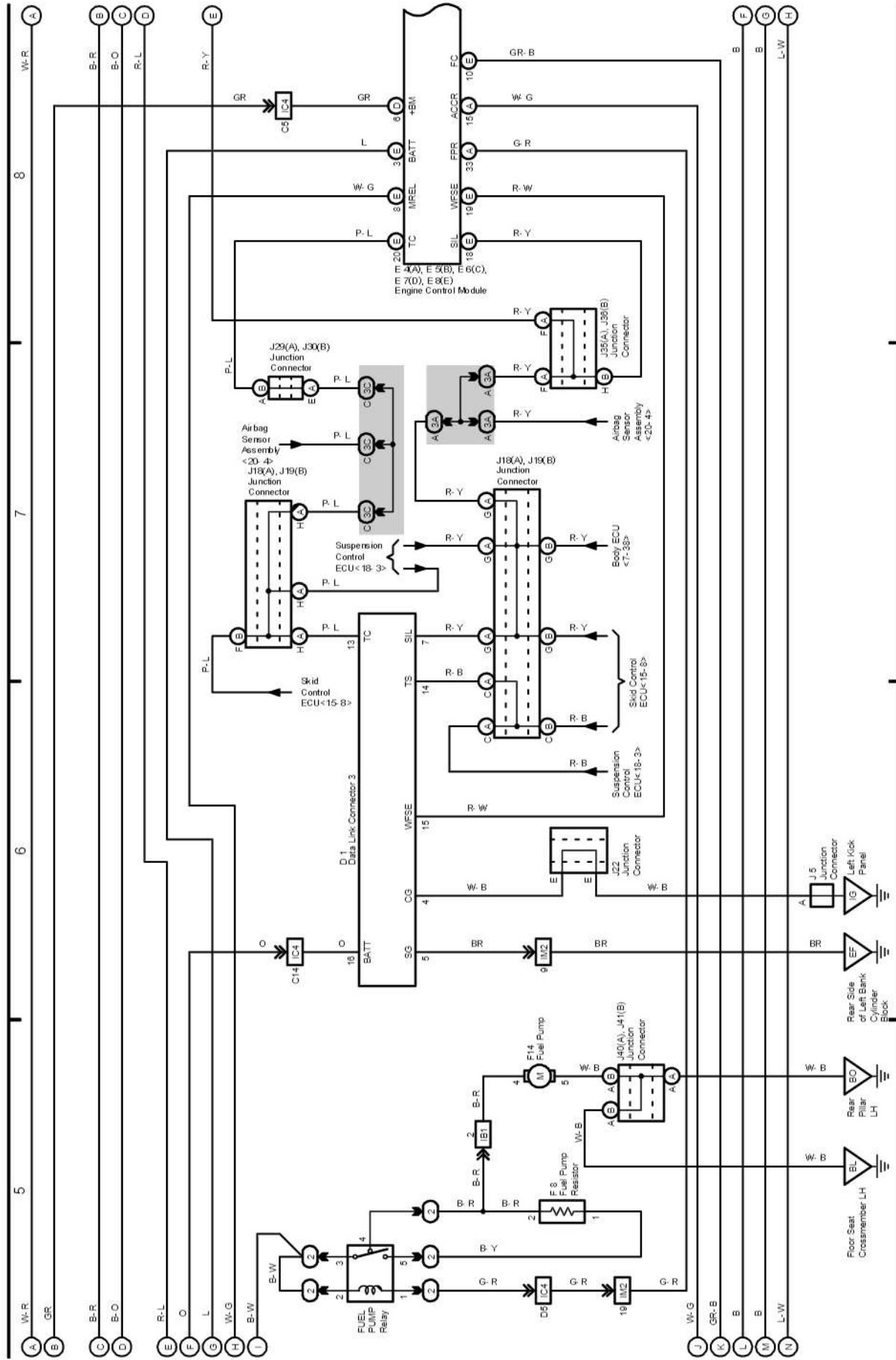


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M OVERALL ELECTRICAL WIRING DIAGRAM

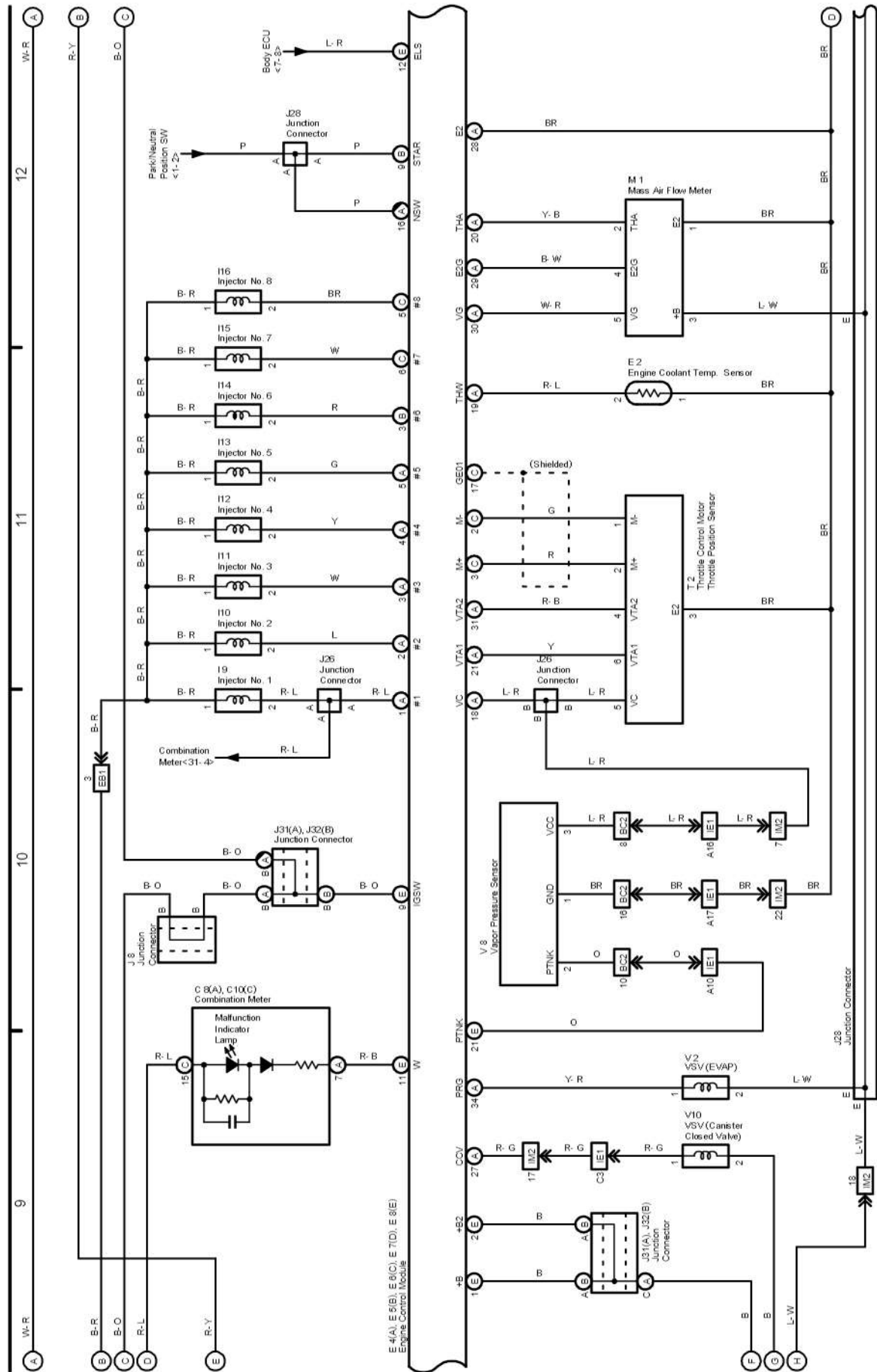


Engine Control (2UZ-FE)

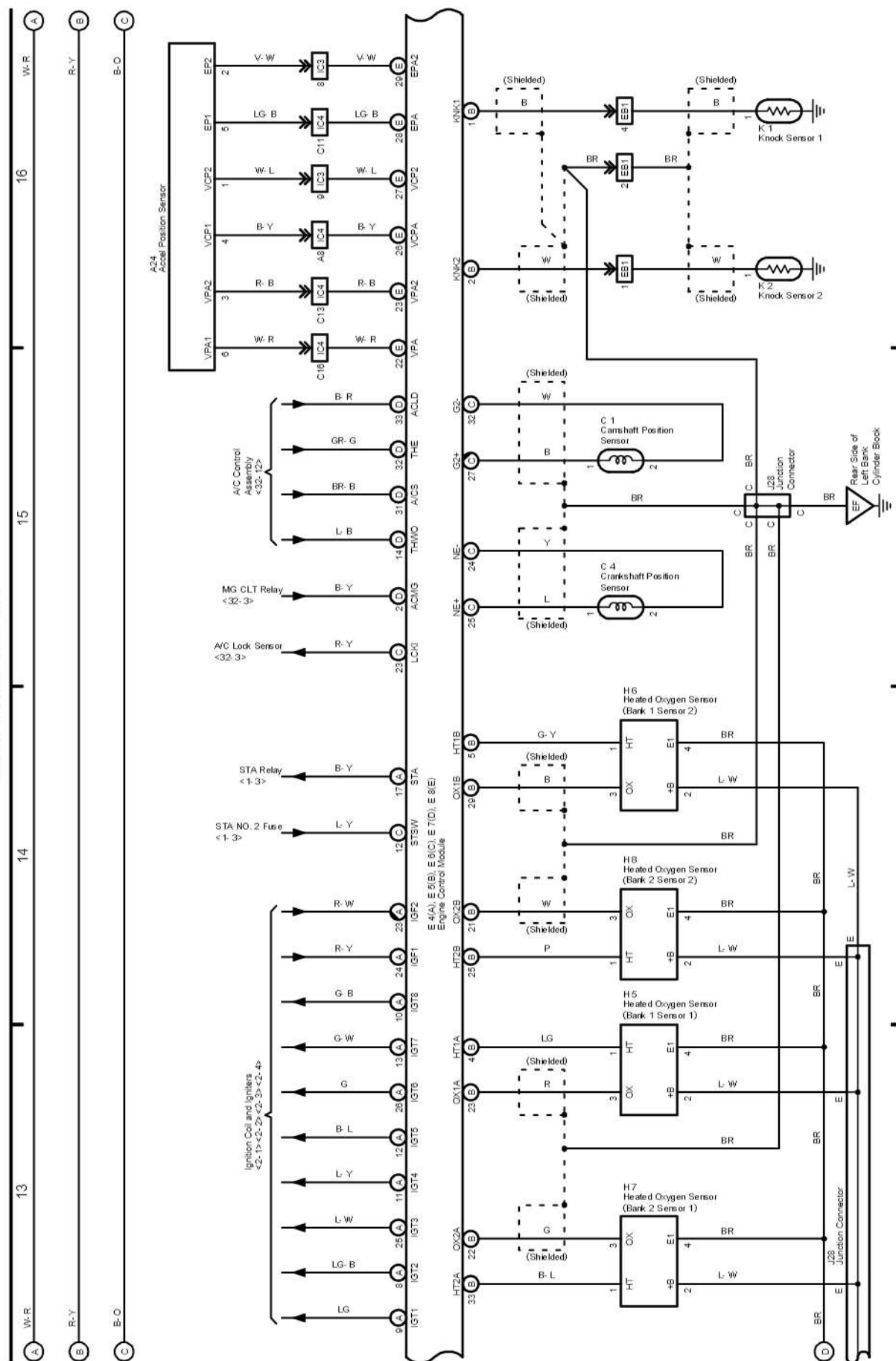


M OVERALL ELECTRICAL WIRING DIAGRAM

Engine Control (2UZ-FE)



Engine Control (2UZ-FE)



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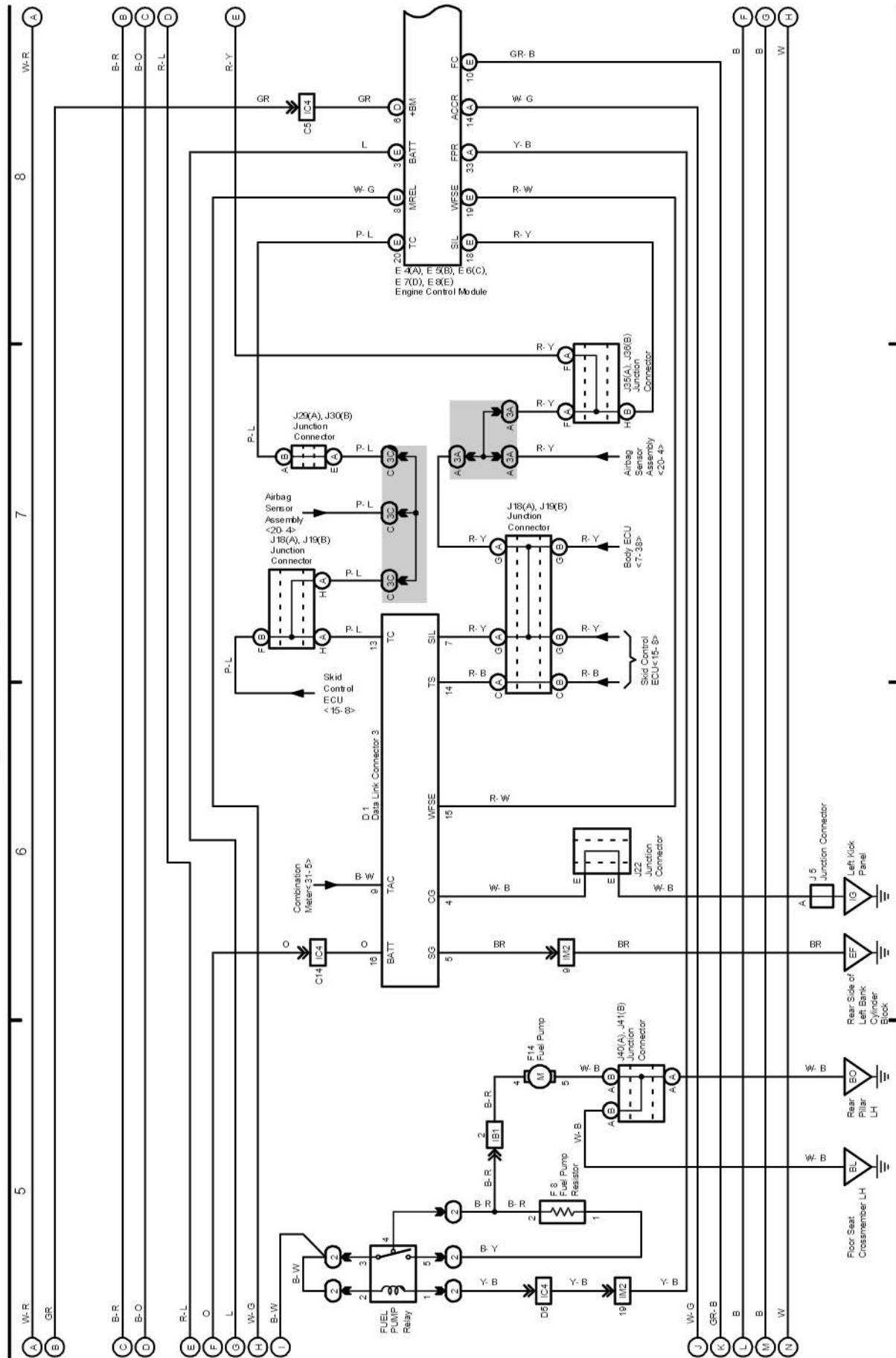


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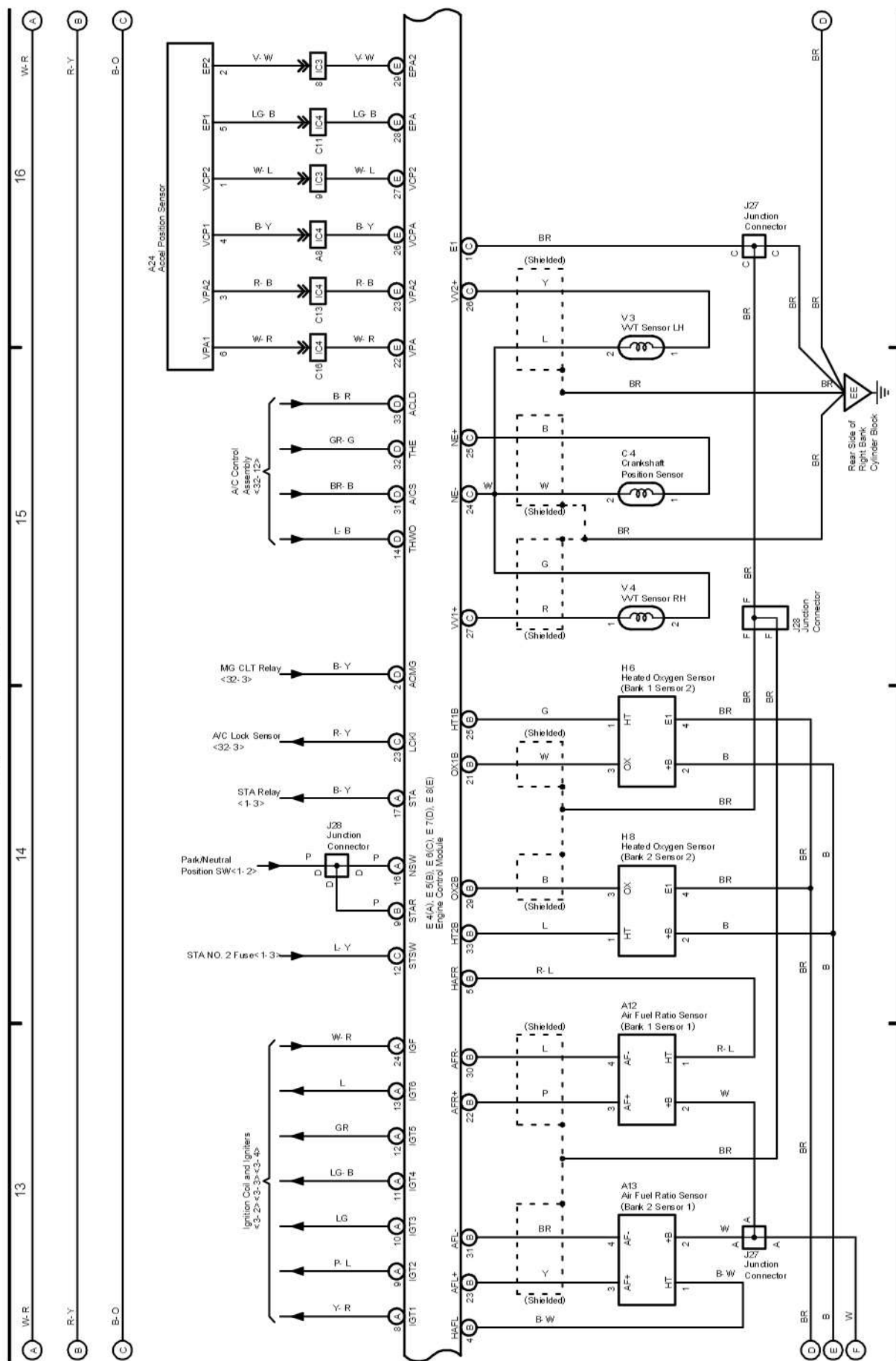


Engine Control (1GR-FE)

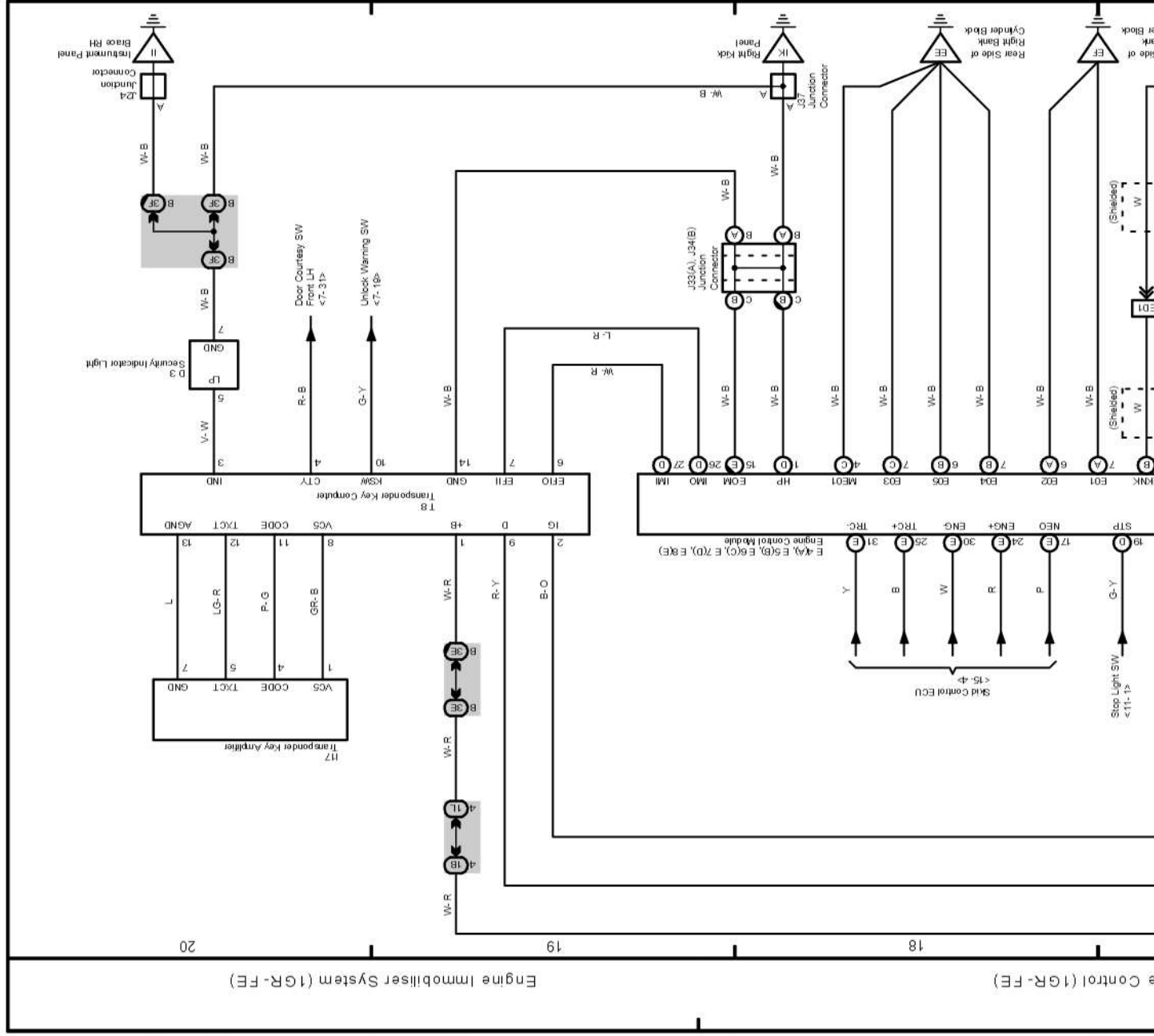




Engine Control (1GR-FE)



M OVERALL ELECTRICAL WIRING DIAGRAM

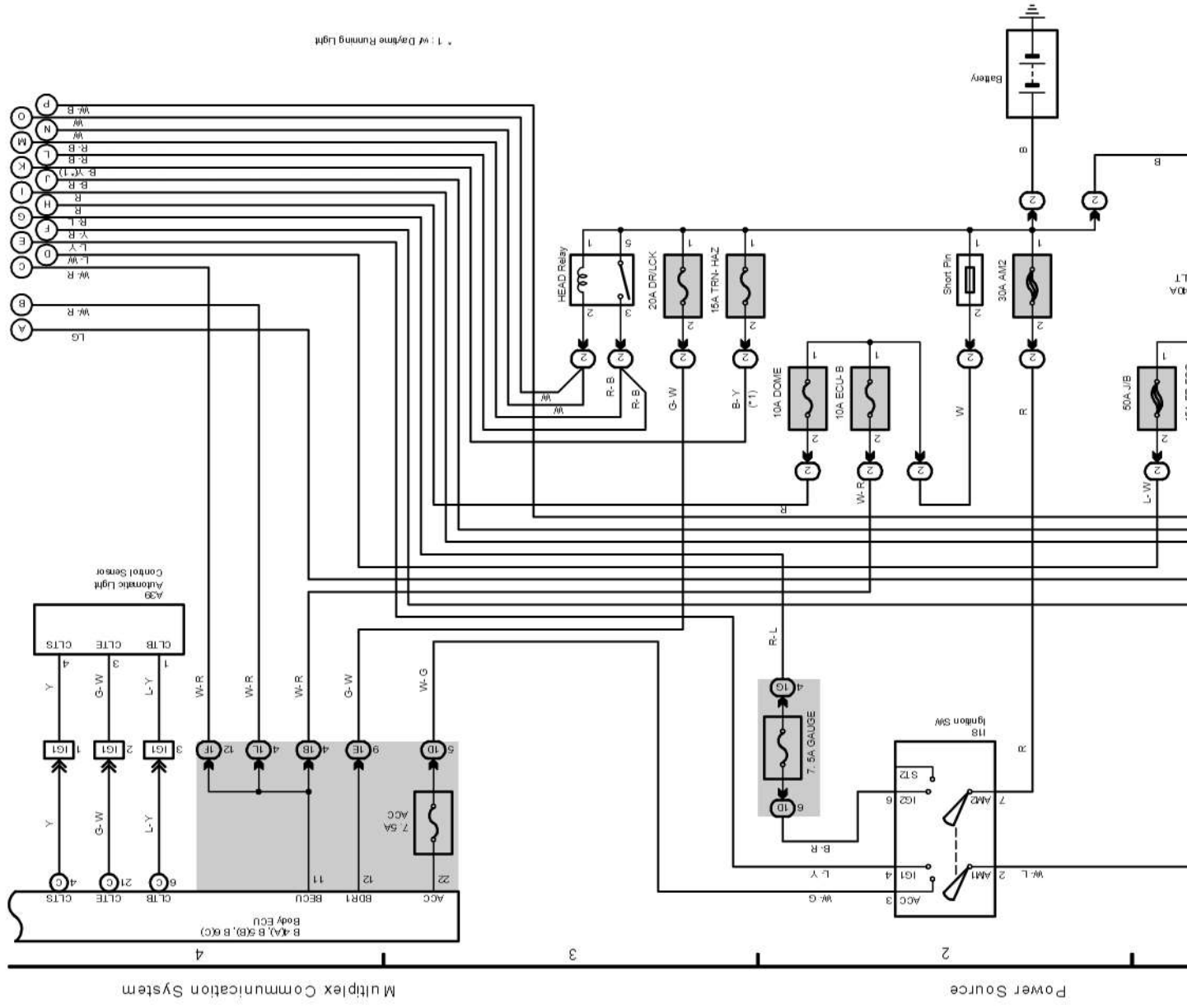


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M OVERALL ELECTRICAL WIRING DIAGRAM

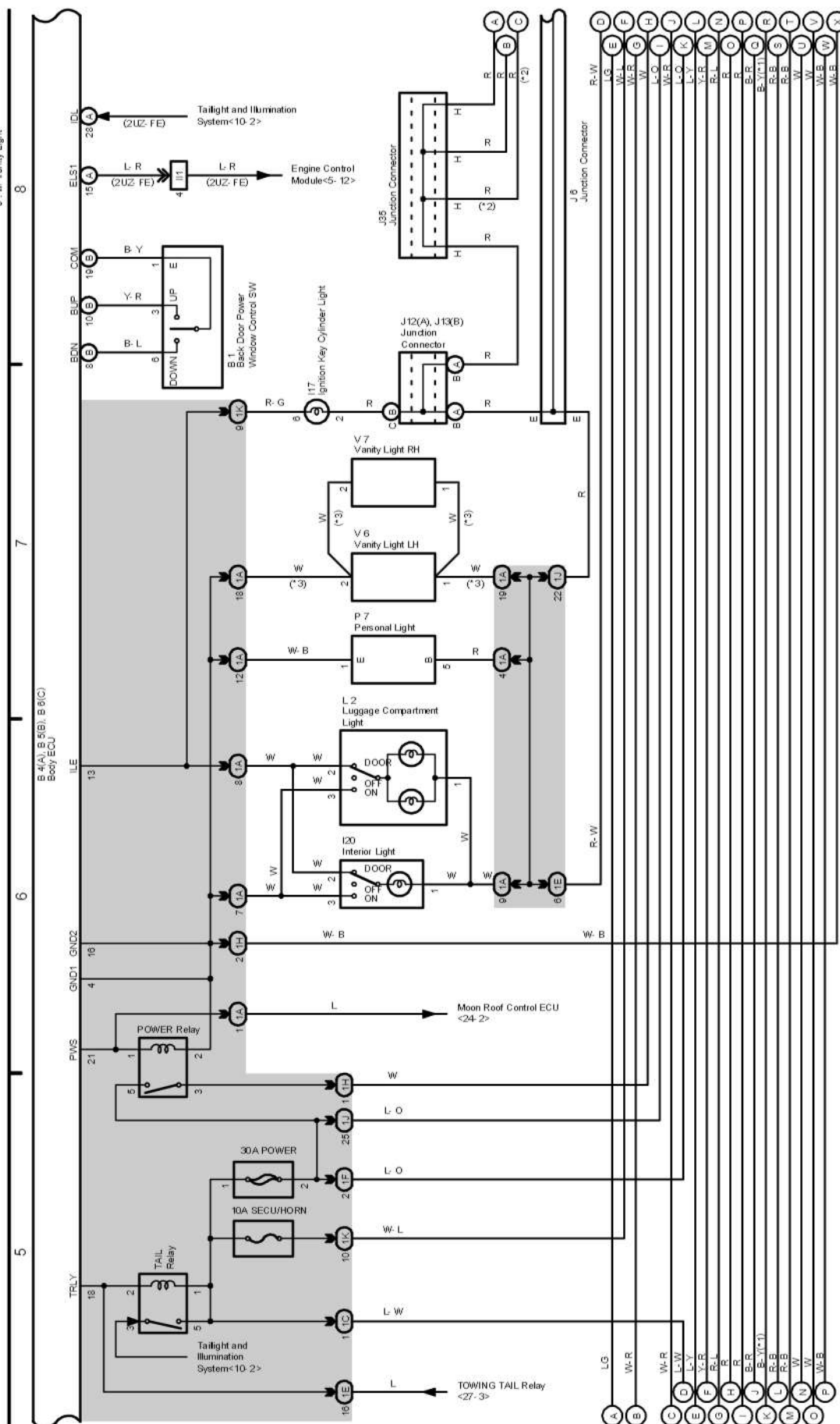
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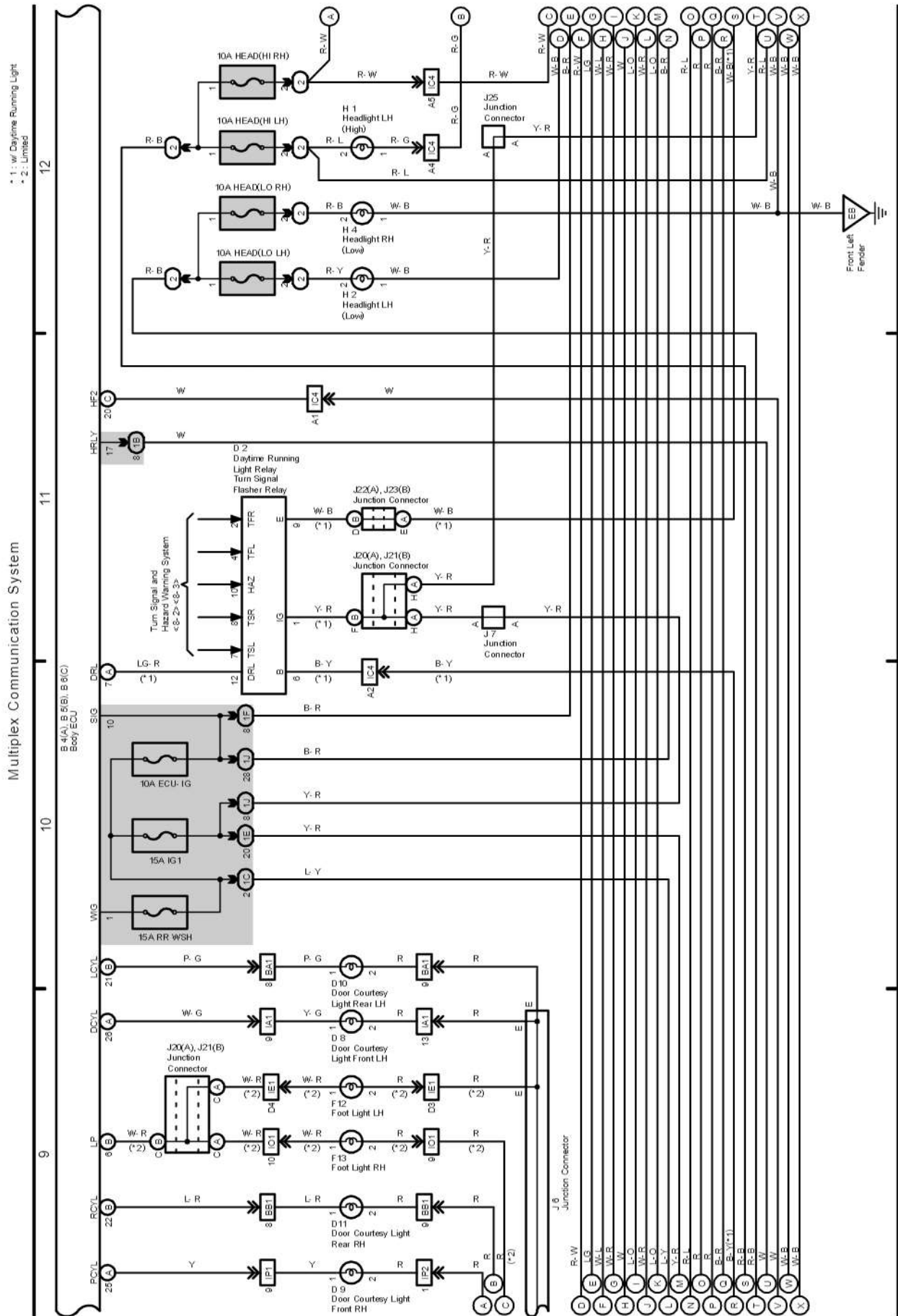
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- * 1 : w/ Daytime Running Light
- * 2 : Limited
- * 3 : w/ Vanity Light

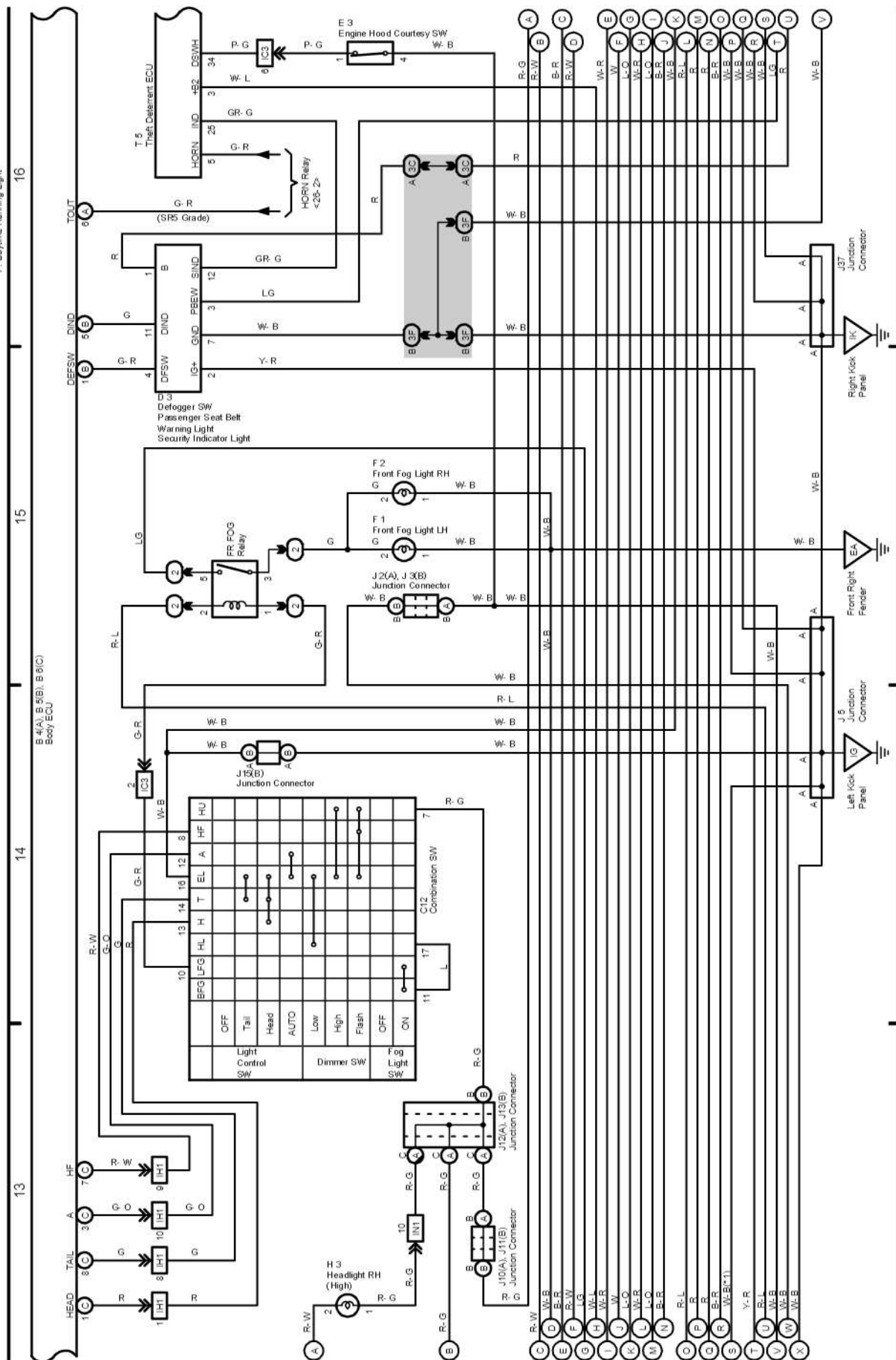
Multiplex Communication System



M OVERALL ELECTRICAL WIRING DIAGRAM



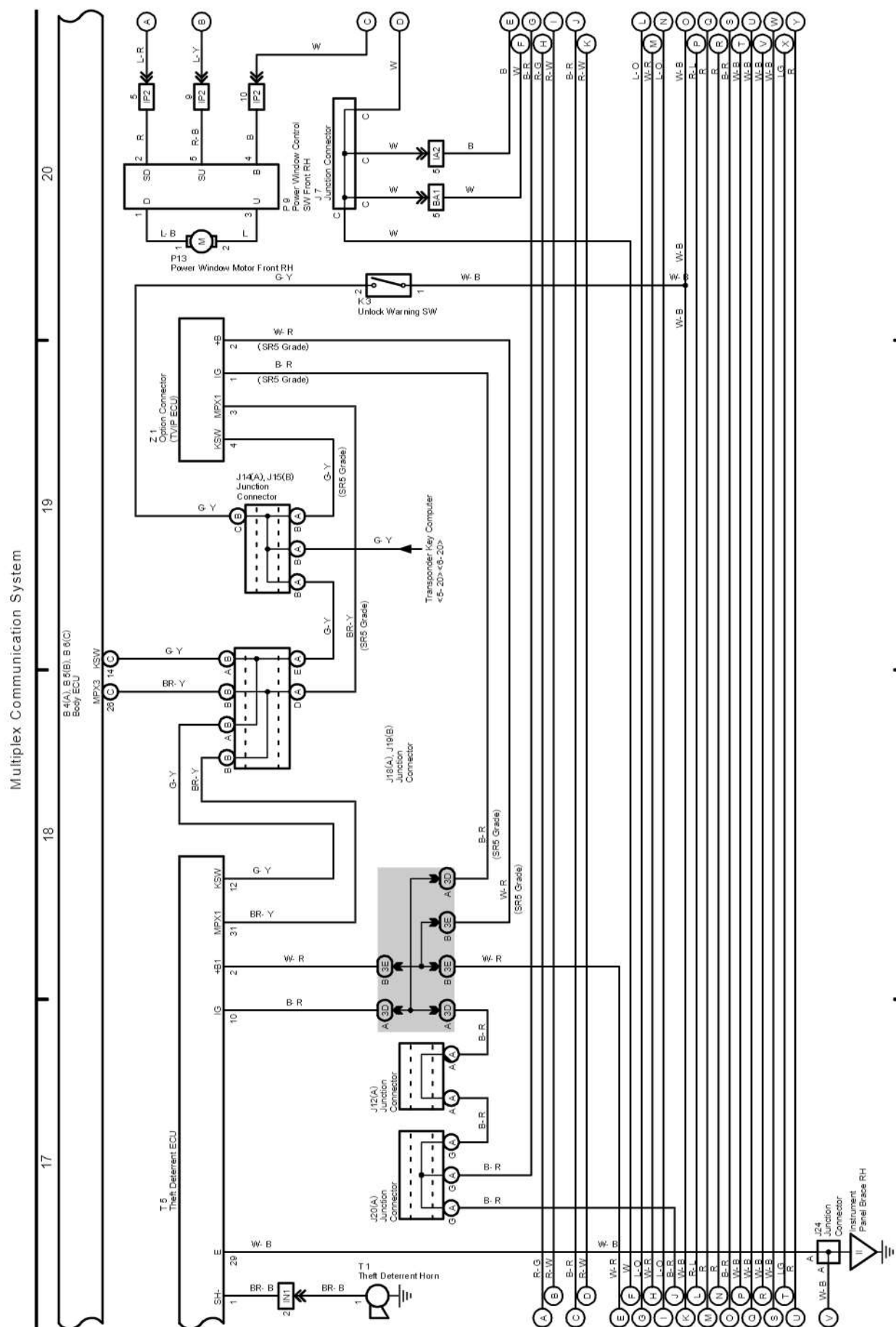
* 1 : Daytime Running Light



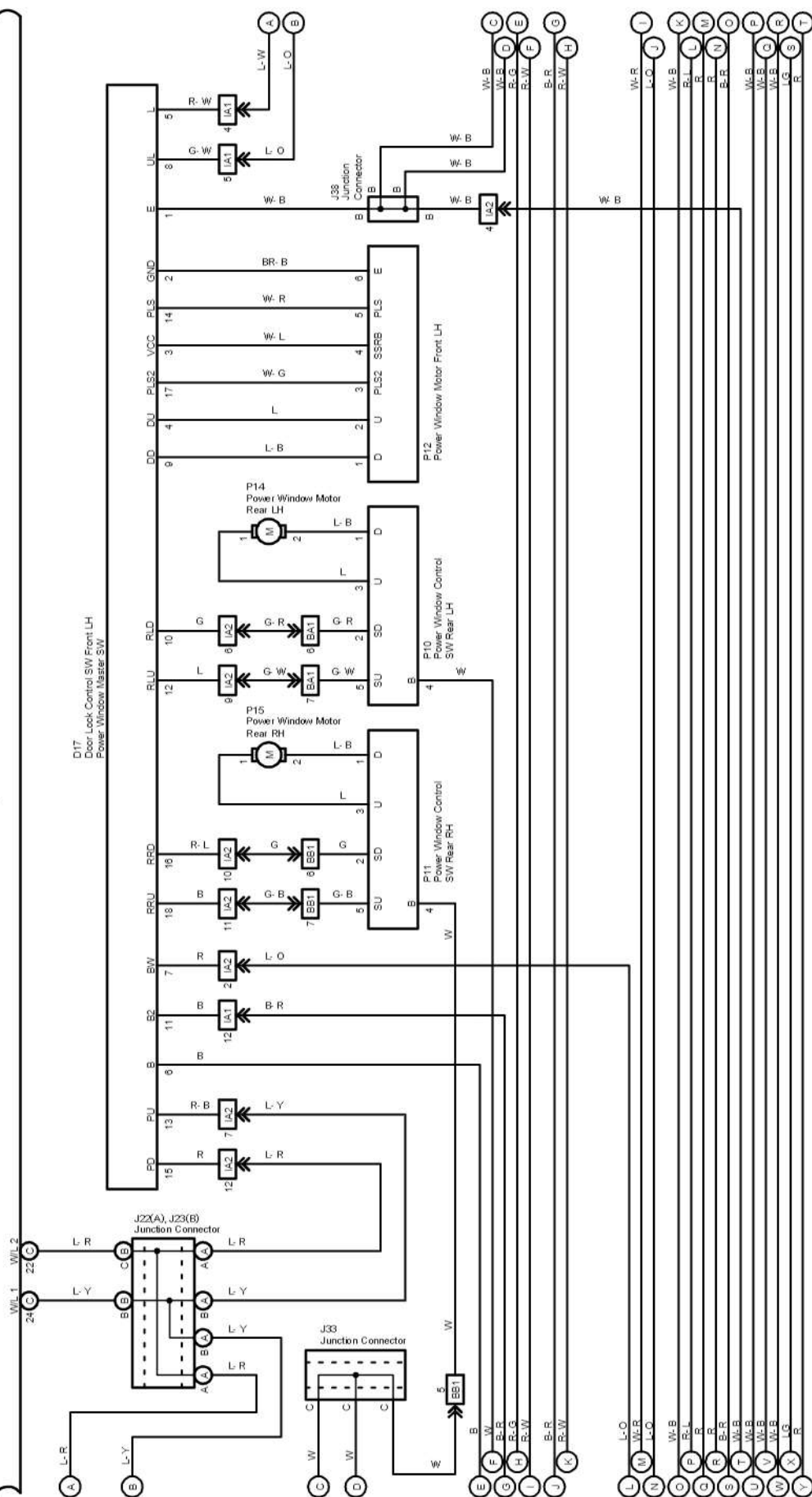
M OVERALL ELECTRICAL WIRING DIAGRAM

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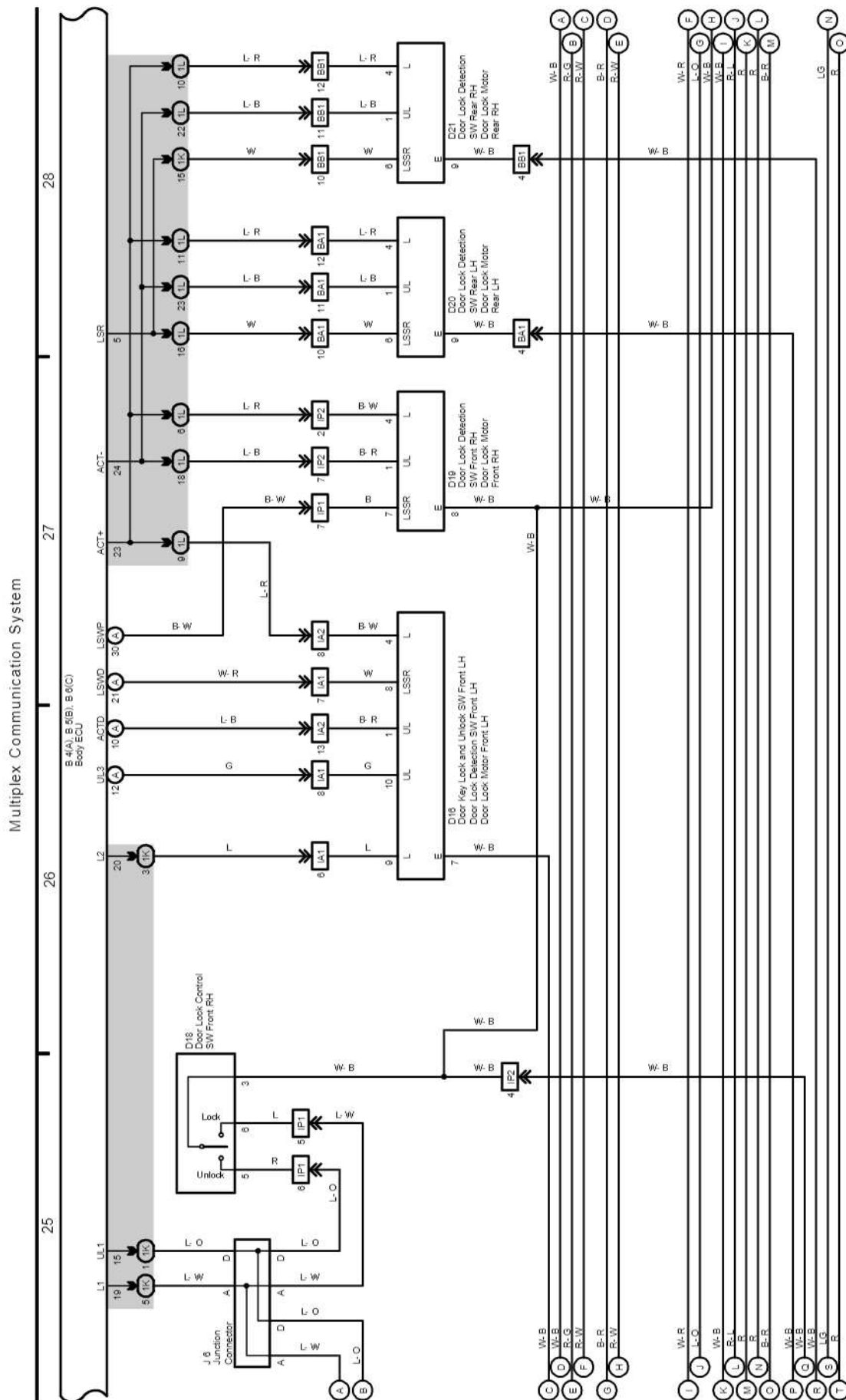
7 4RUNNER (Cont' d)



24

B 4(A), B 5(B), B 6(C)
Body ECU

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Wiring Diagram: Body ECU (S4(A), S5(B), S6(C))

Pin List (Left):

- 29: ACTY, BZR, BZR2, PRG, RDA, RRCY, DCTY, LMRY, DCTY, PCTY, RLCY, DRUP, DCY2, KSMO
- 30: ACTY, BZR, BZR2, PRG, RDA, RRCY, DCTY, LMRY, DCTY, PCTY, RLCY, DRUP, DCY2, KSMO
- 31: ACTY, BZR, BZR2, PRG, RDA, RRCY, DCTY, LMRY, DCTY, PCTY, RLCY, DRUP, DCY2, KSMO
- 32: ACTY, BZR, BZR2, PRG, RDA, RRCY, DCTY, LMRY, DCTY, PCTY, RLCY, DRUP, DCY2, KSMO

Component List (Right):

- W-B, R-G, R-W, R-L, W-B, B-R, R, W-B, L-O, W-B, W-B, R, R, W-B, W-B, W-B, L-G, R
- W-R, L-O, W-B, W-B, W-B, R, R, W-B, W-B, W-B, L-G, R
- W-B, R-G, R-W, R-L, W-B, B-R, R, W-B, L-O, W-B, W-B, R, R, W-B, W-B, W-B, L-G, R

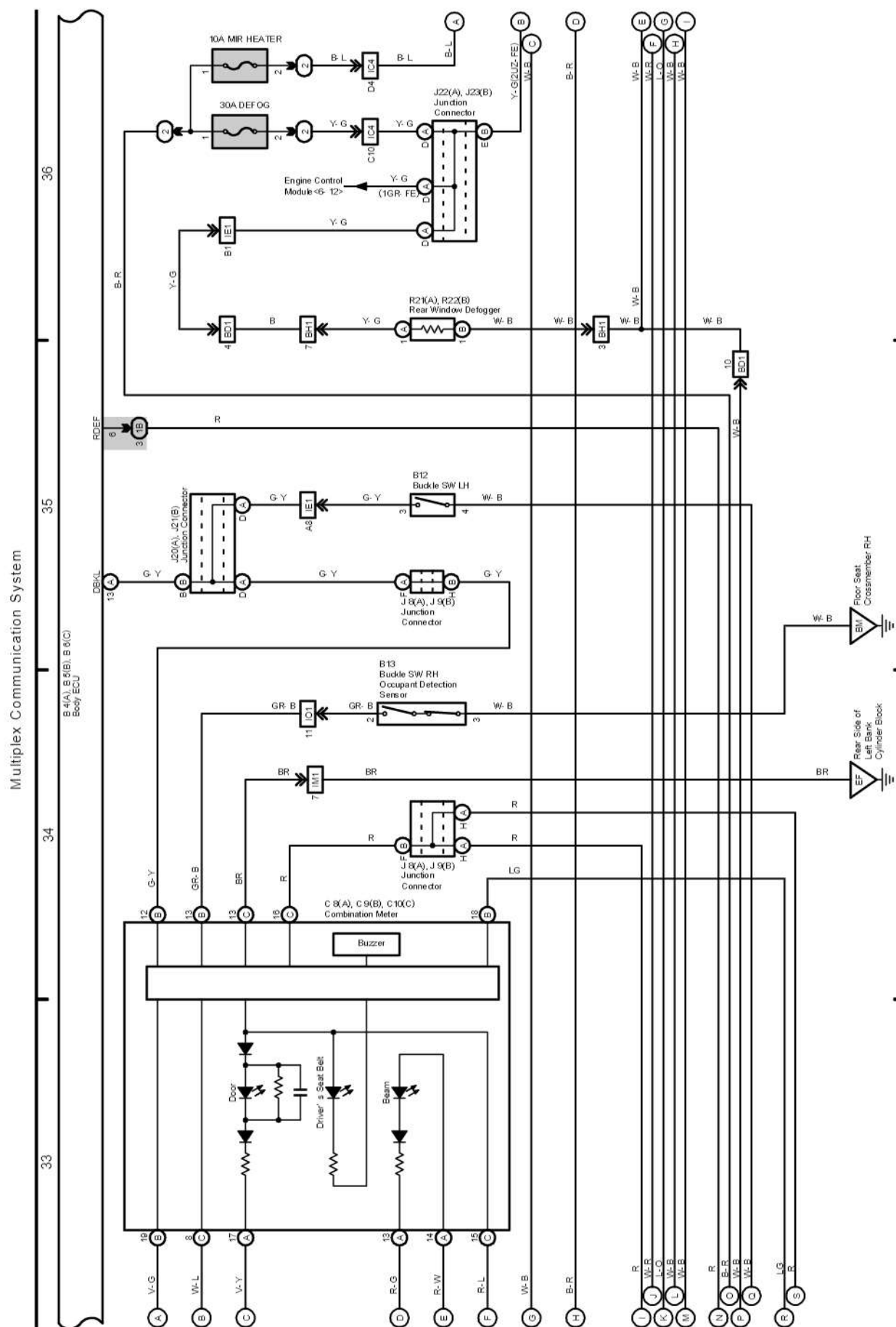
Diagram Details:

- Door Courtesy Switches:** D12 (Front LH), D13 (Front RH), D14 (Rear LH), D15 (Rear RH) are connected to the RRCY pin.
- Transponder Key Computer:** Connected to the DCTY pin.
- Dome Relay:** Connected to the RRCY pin.
- Door Control Receiver:** Connected to the RRCY pin.
- Wireless Door Lock Buzzer:** Connected to the BZR pin.
- Suspension Control ECU:** Connected to the ACTY pin.
- Wiring:** The diagram shows various wiring paths, including ground connections and signal lines.

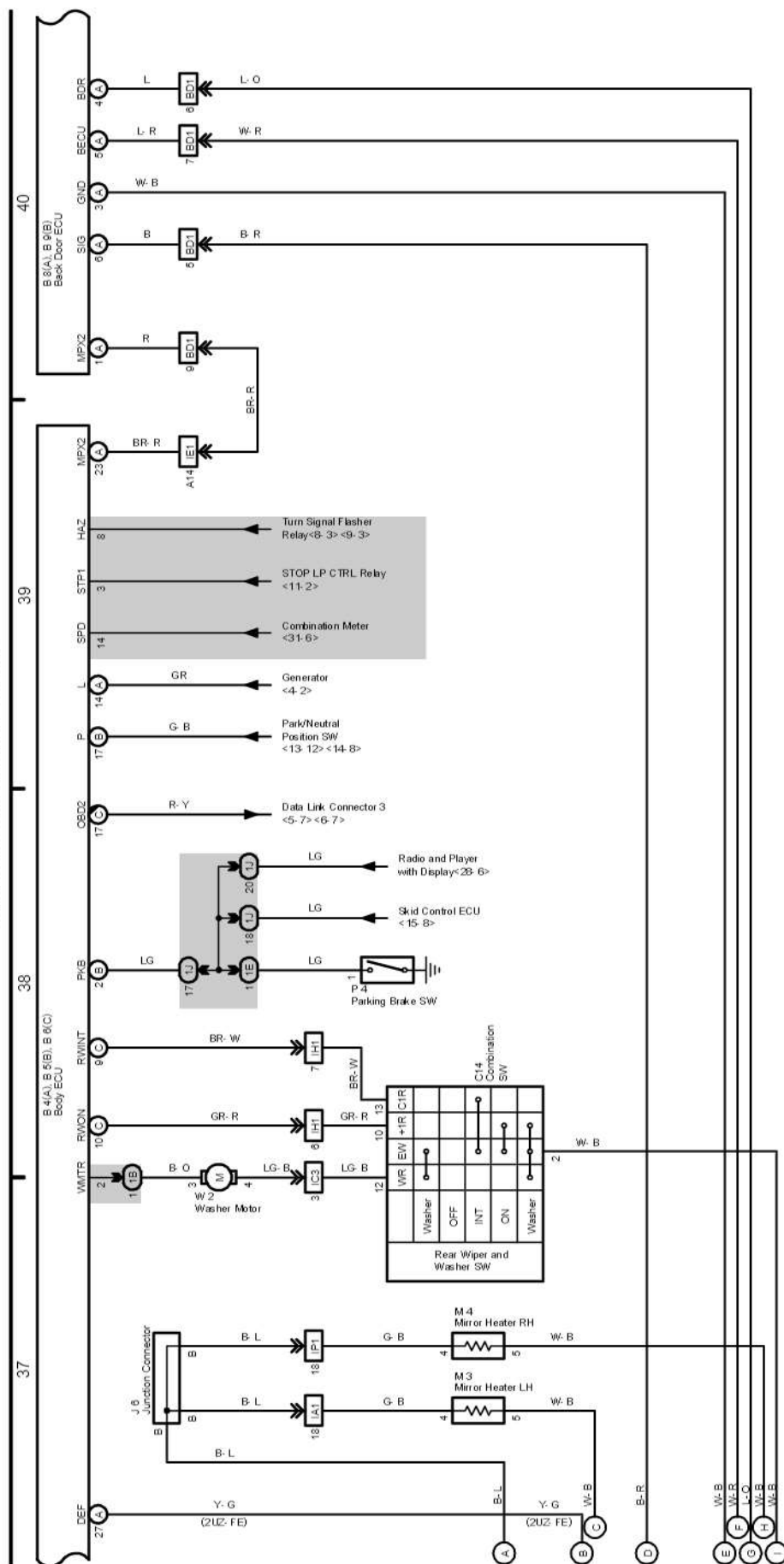
M OVERALL ELECTRICAL WIRING DIAGRAM

7 4RUNNER (Cont' d)

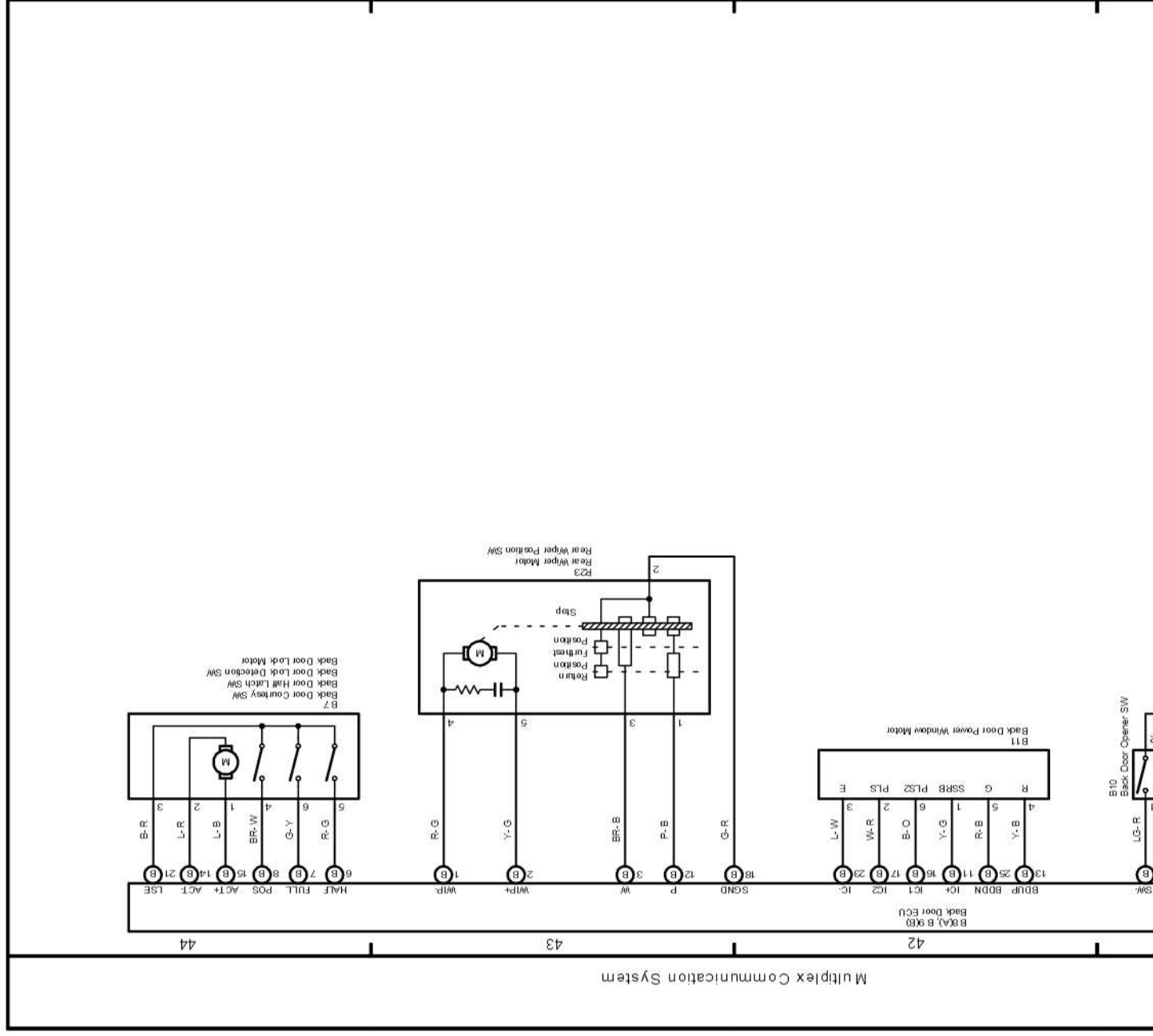
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Multiplex Communication System

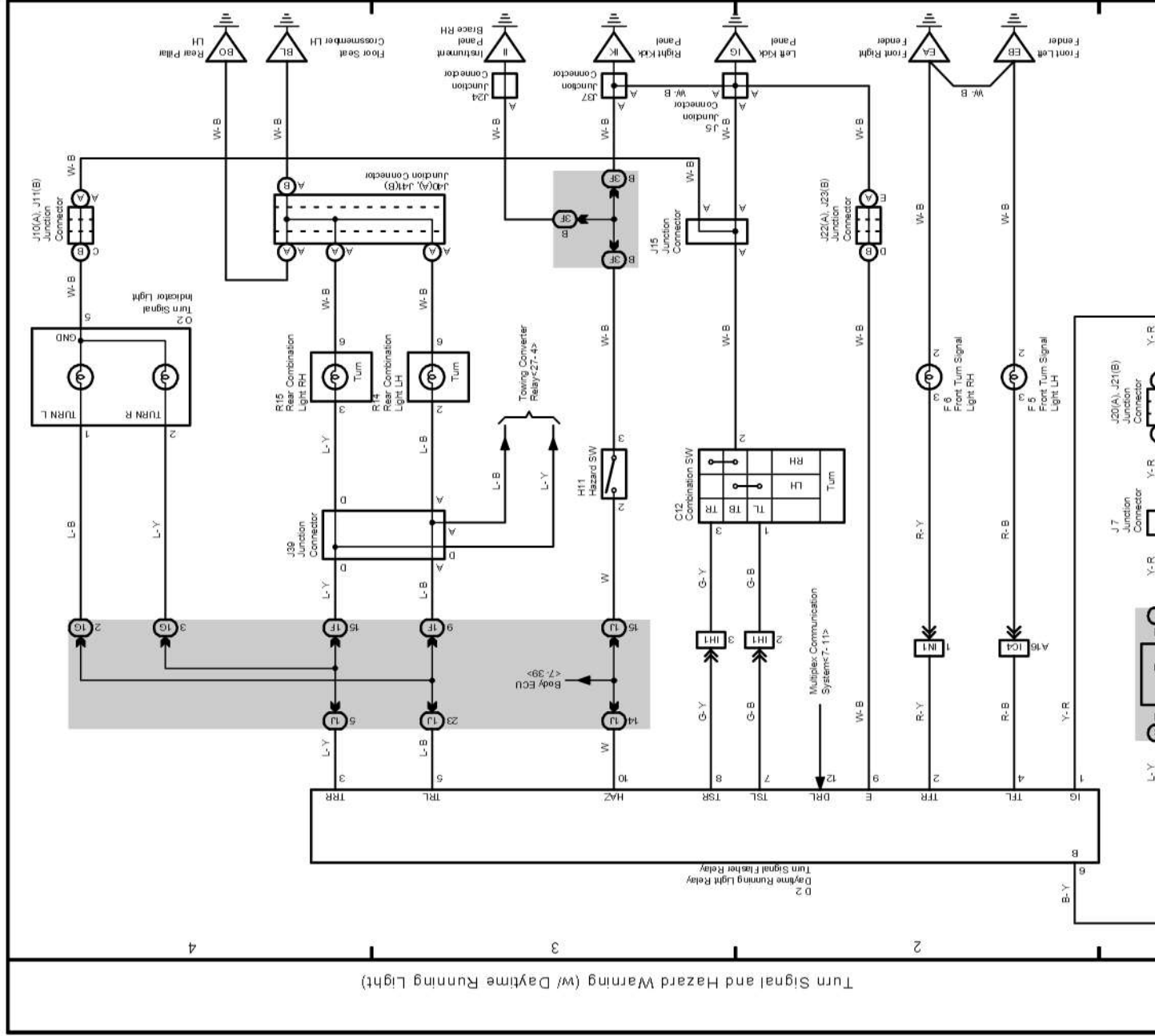


M OVERALL ELECTRICAL WIRING DIAGRAM



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M OVERALL ELECTRICAL WIRING DIAGRAM

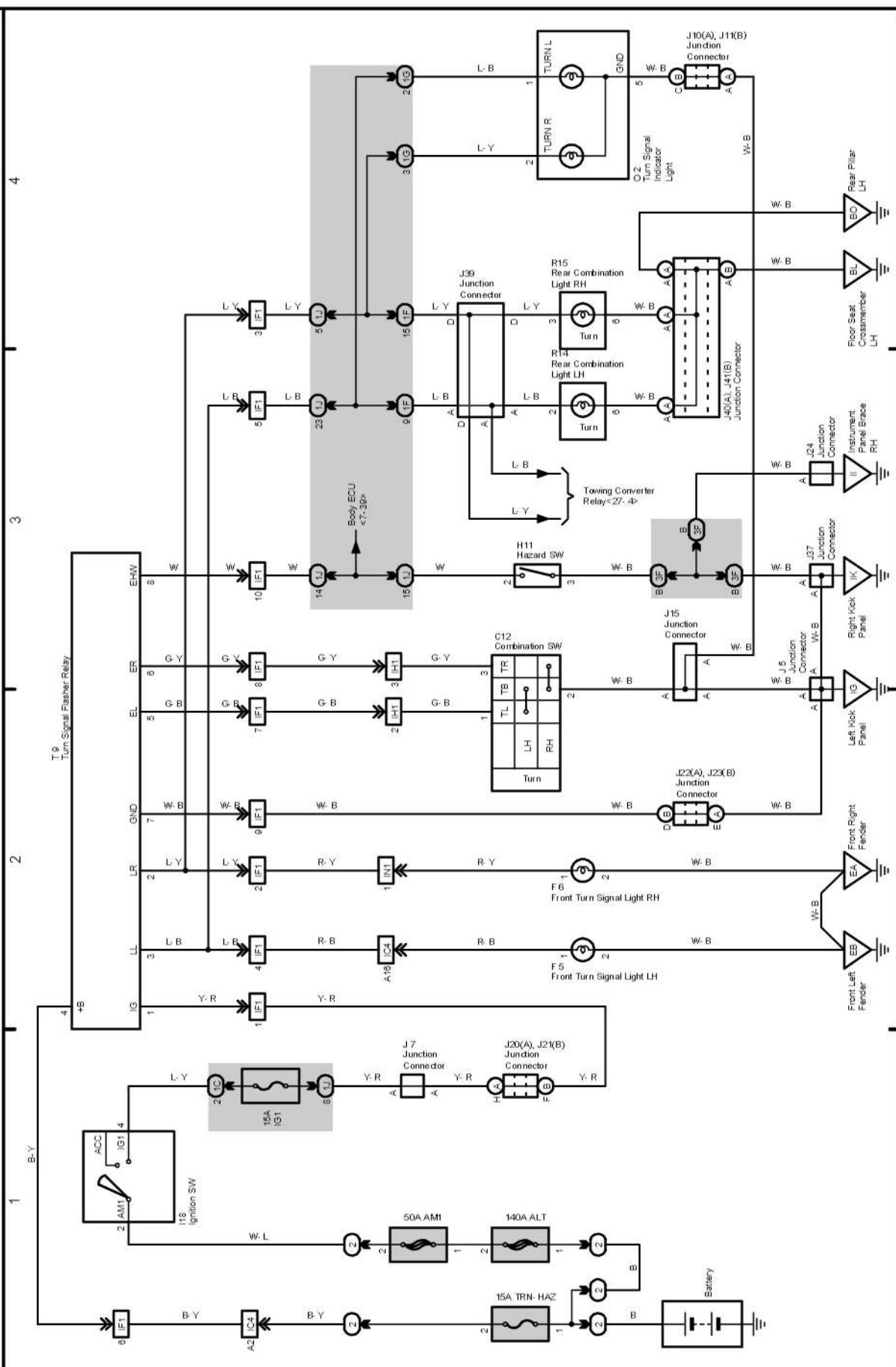


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9 4RUNNER

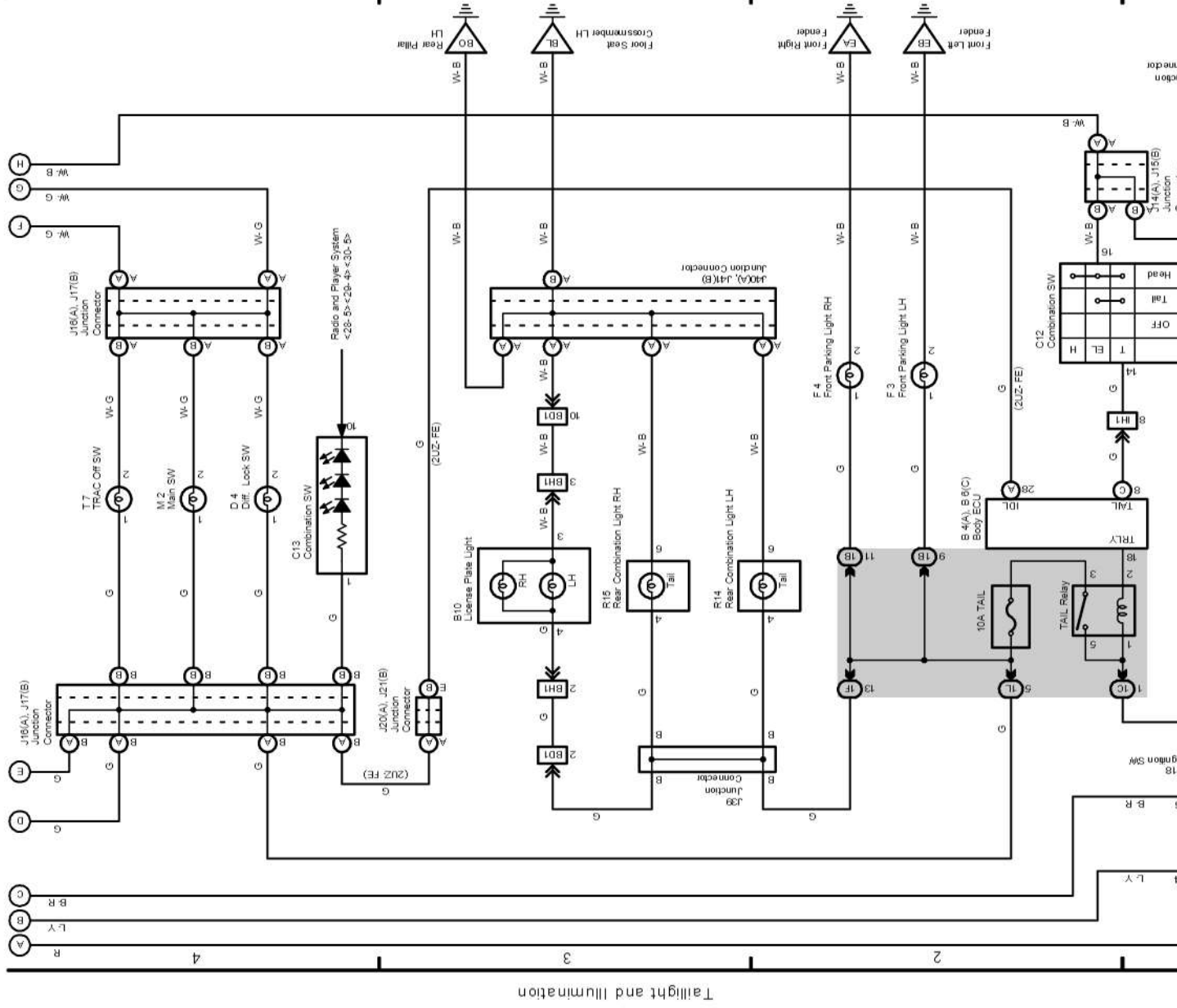
Power Source

Turn Signal and Hazard Warning (w/o Daytime Running Light)



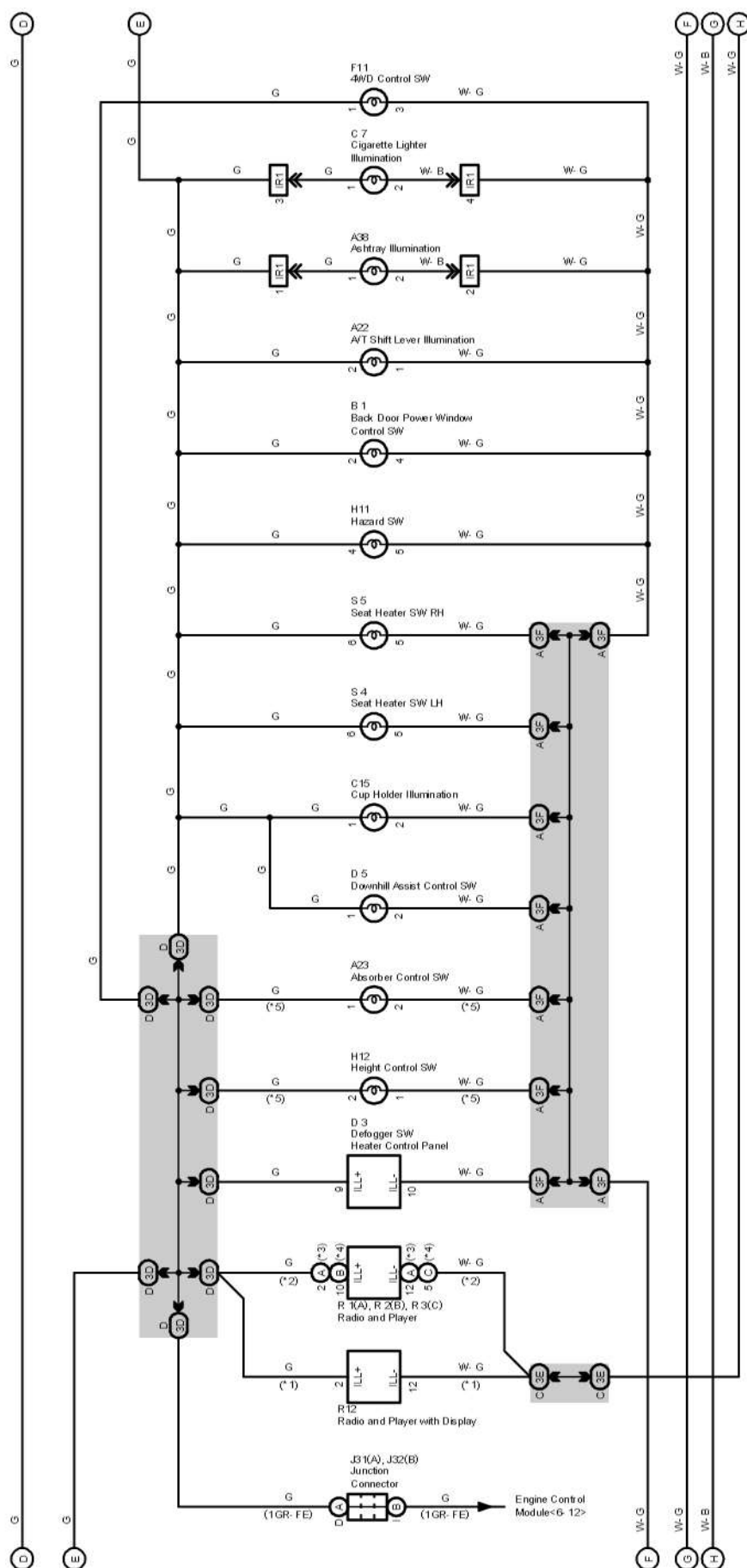
M OVERALL ELECTRICAL WIRING DIAGRAM

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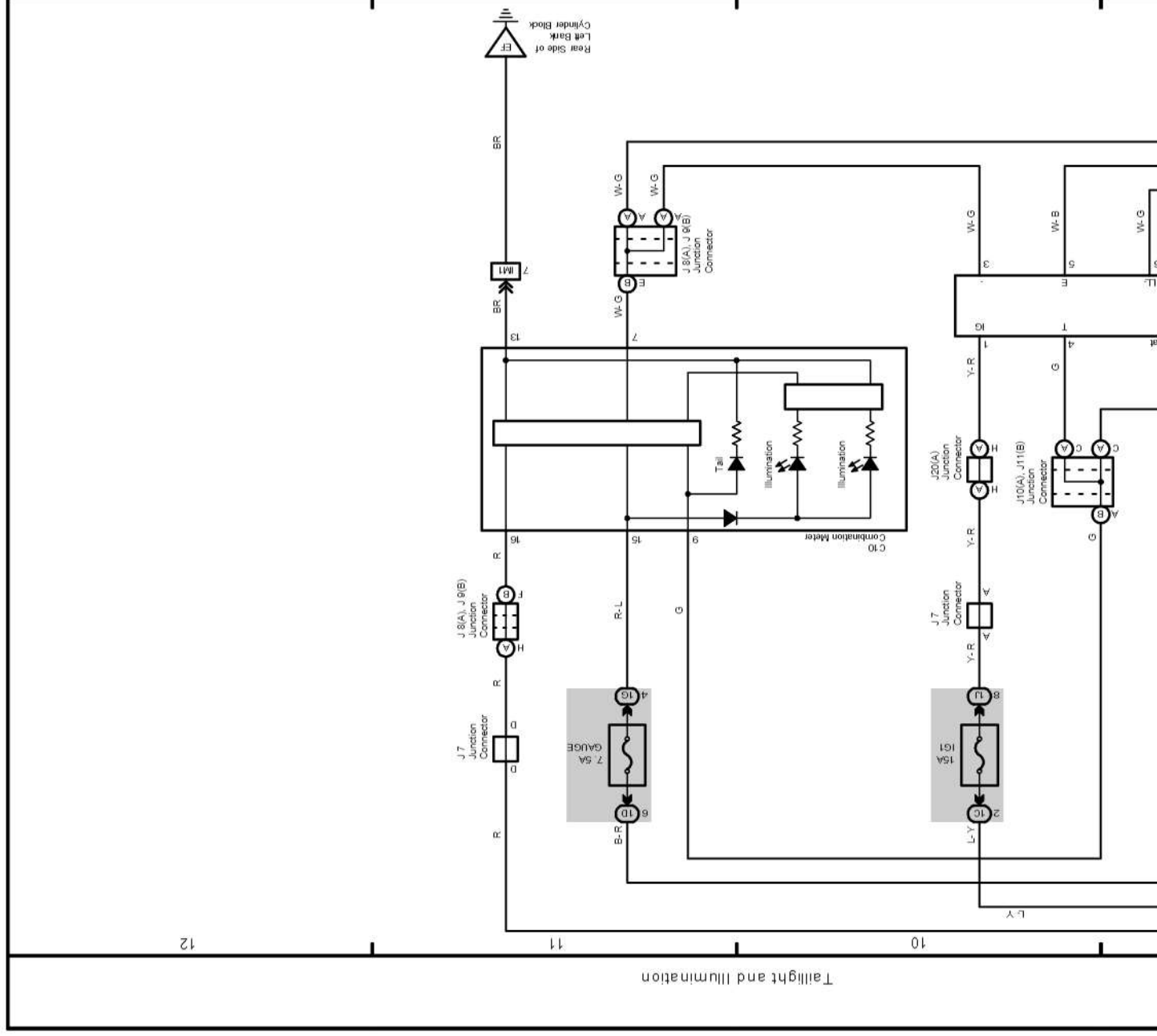


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- * 1 : w/ Navigation System
- * 2 : w/o Navigation System
- * 3 : Except 6 Speaker
- * 4 : 6 Speaker
- * 5 : w/ Air Suspension



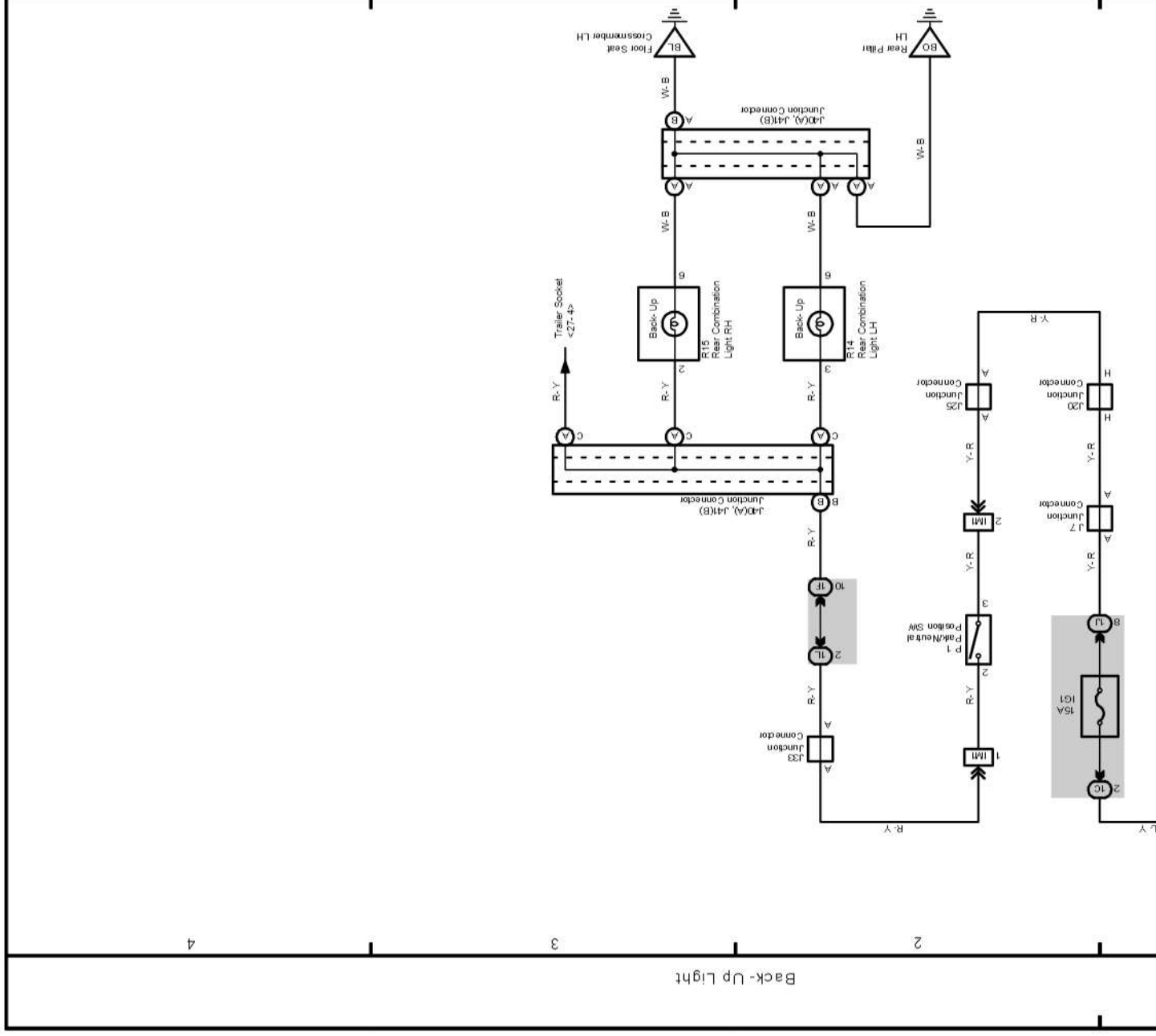
M OVERALL ELECTRICAL WIRING DIAGRAM



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M OVERALL ELECTRICAL WIRING DIAGRAM



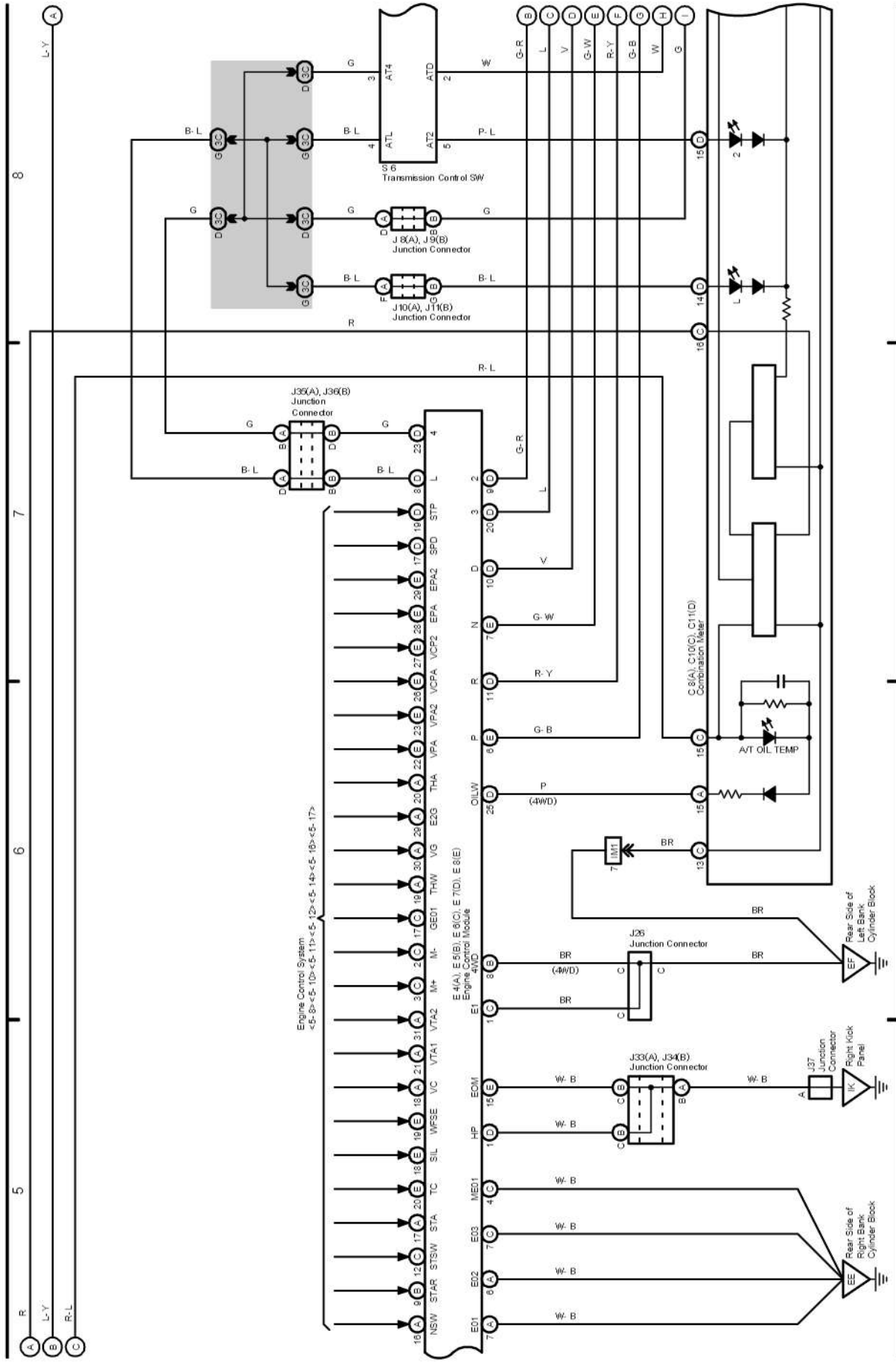
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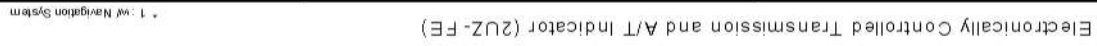
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Electronically Controlled Transmission and A/T Indicator (2UZ-FE)

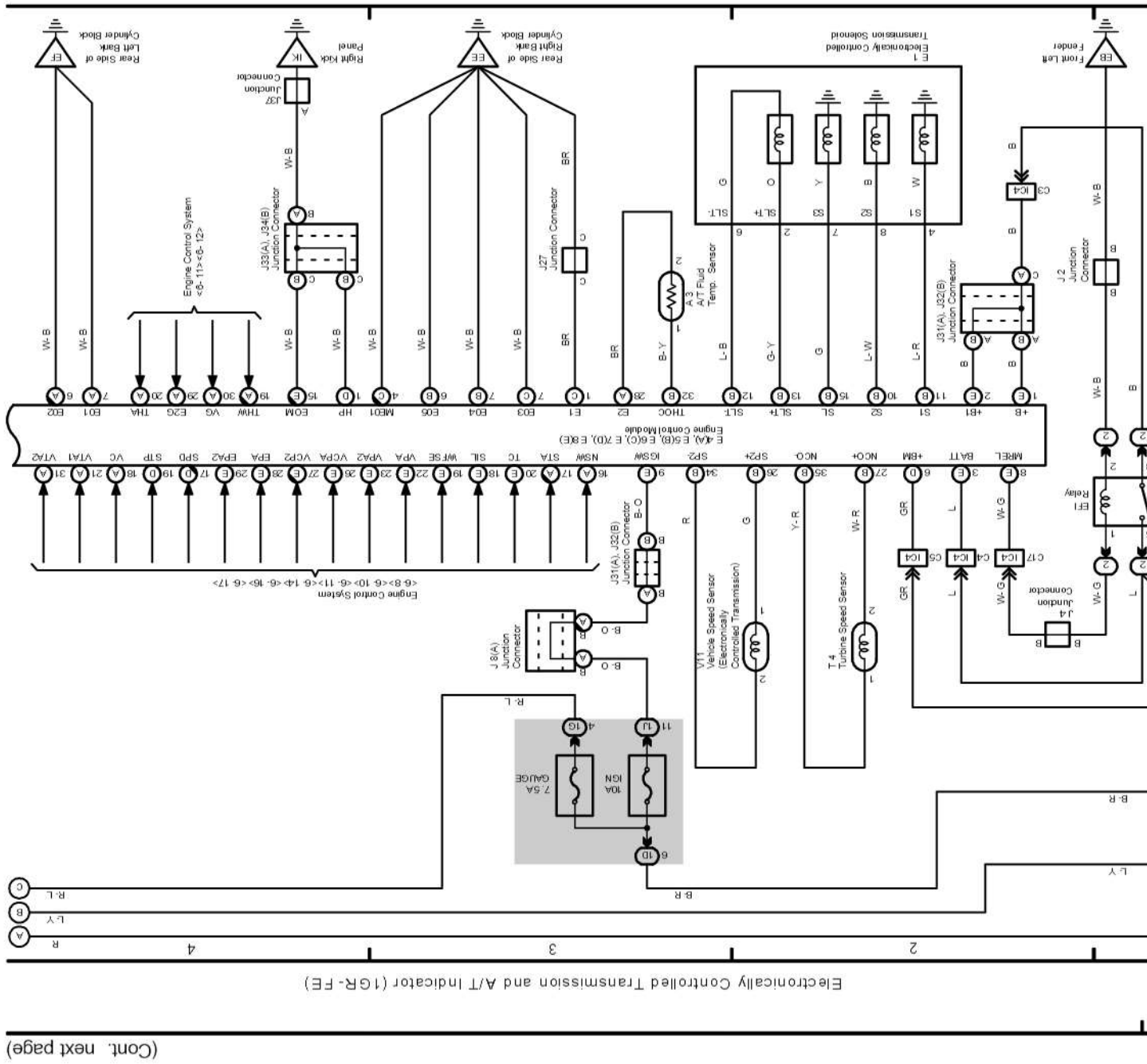


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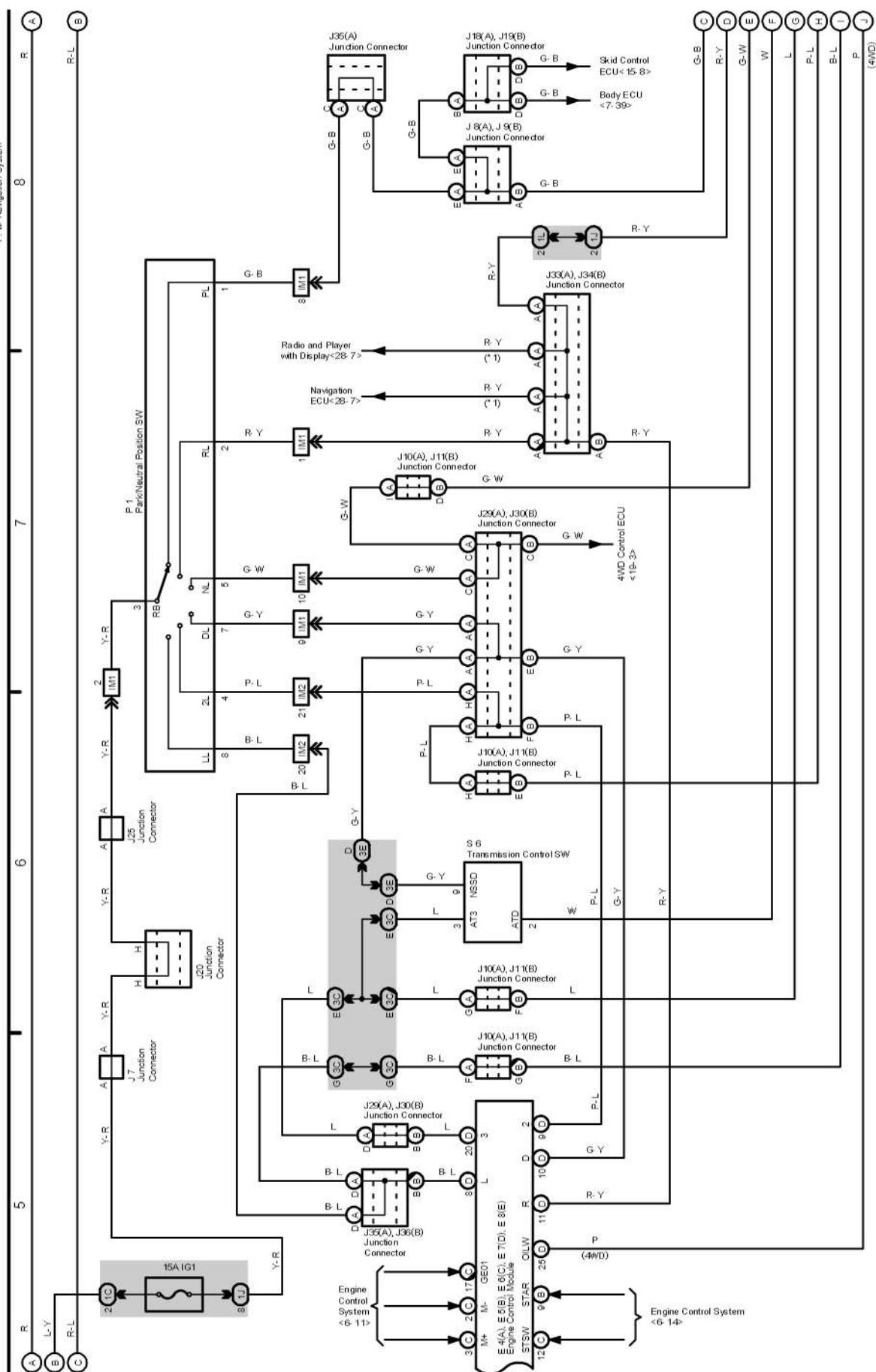
M OVERALL ELECTRICAL WIRING DIAGRAM



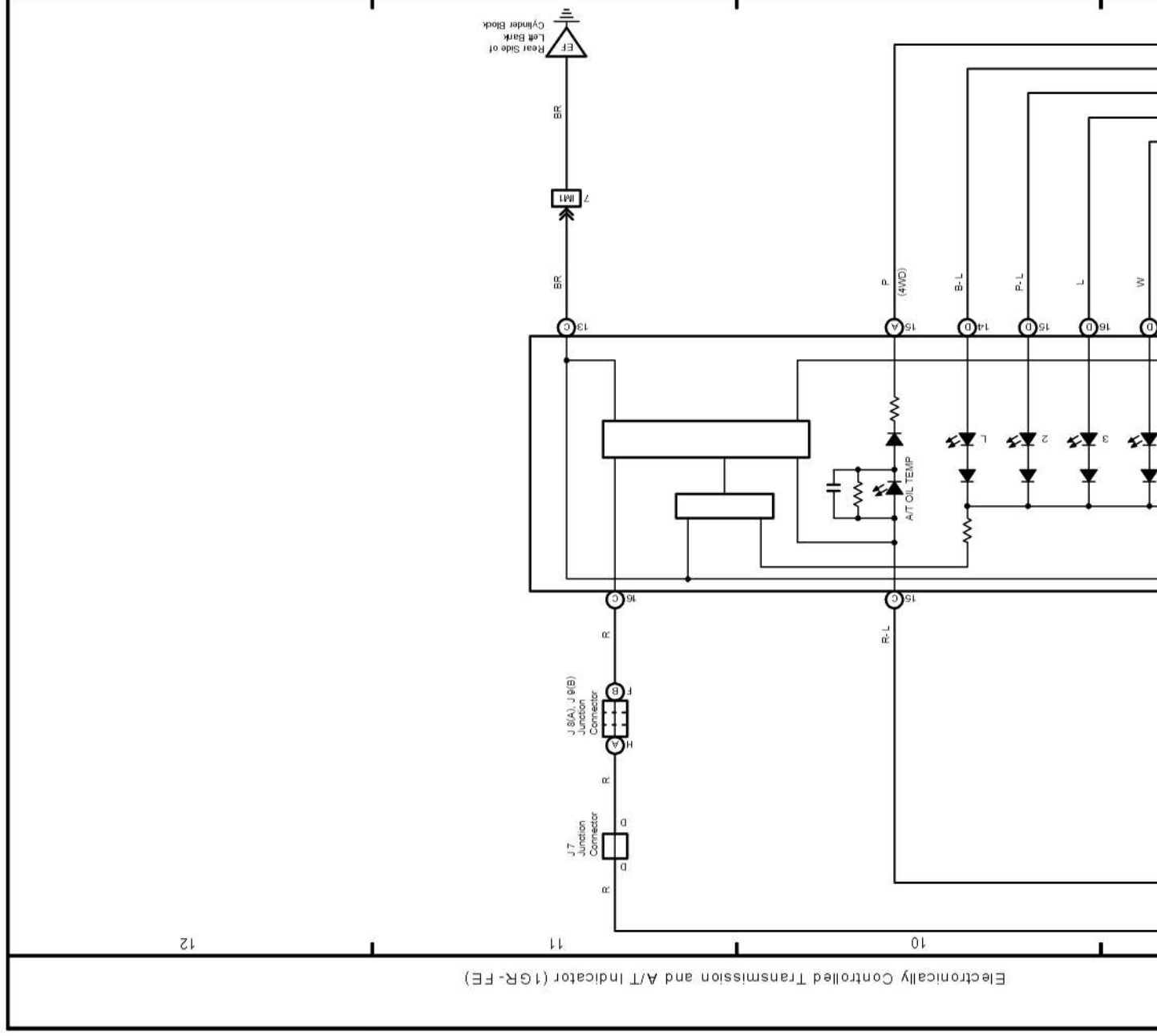
14 4RUNNER (Cont' d)

Electronically Controlled Transmission and A/T Indicator (1GR-FE)

• 1: w/ Navigation System



M OVERALL ELECTRICAL WIRING DIAGRAM



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(Cont. next page)

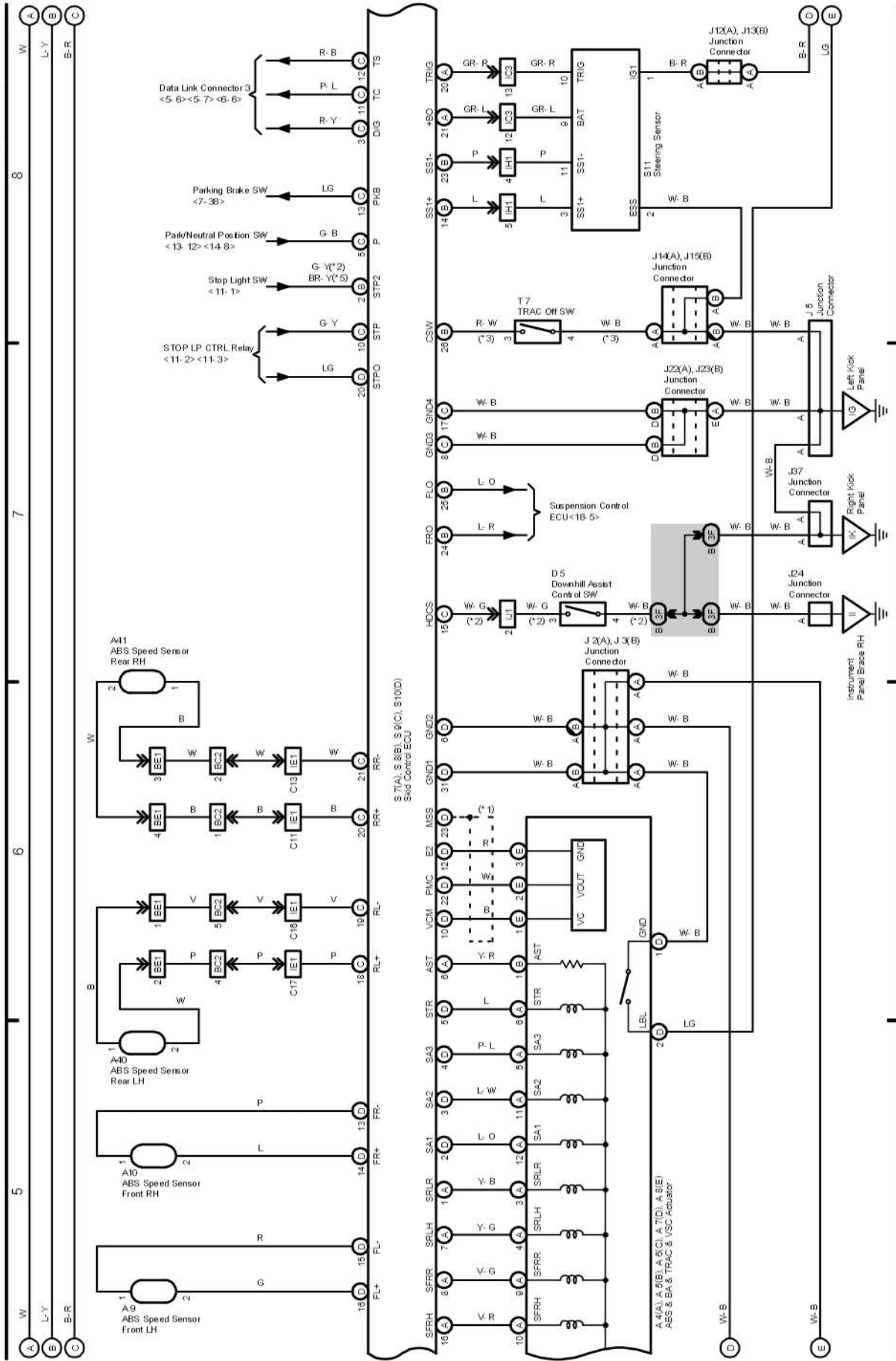


15 4RUNNER (Cont' d)

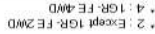
(Cont. next page)

- * 1: Shielded
- * 2: Except 1GR-FE 2WD
- * 3: Except 1GR-FE 4WD
- * 5: 1GR-FE 2WD

VSC



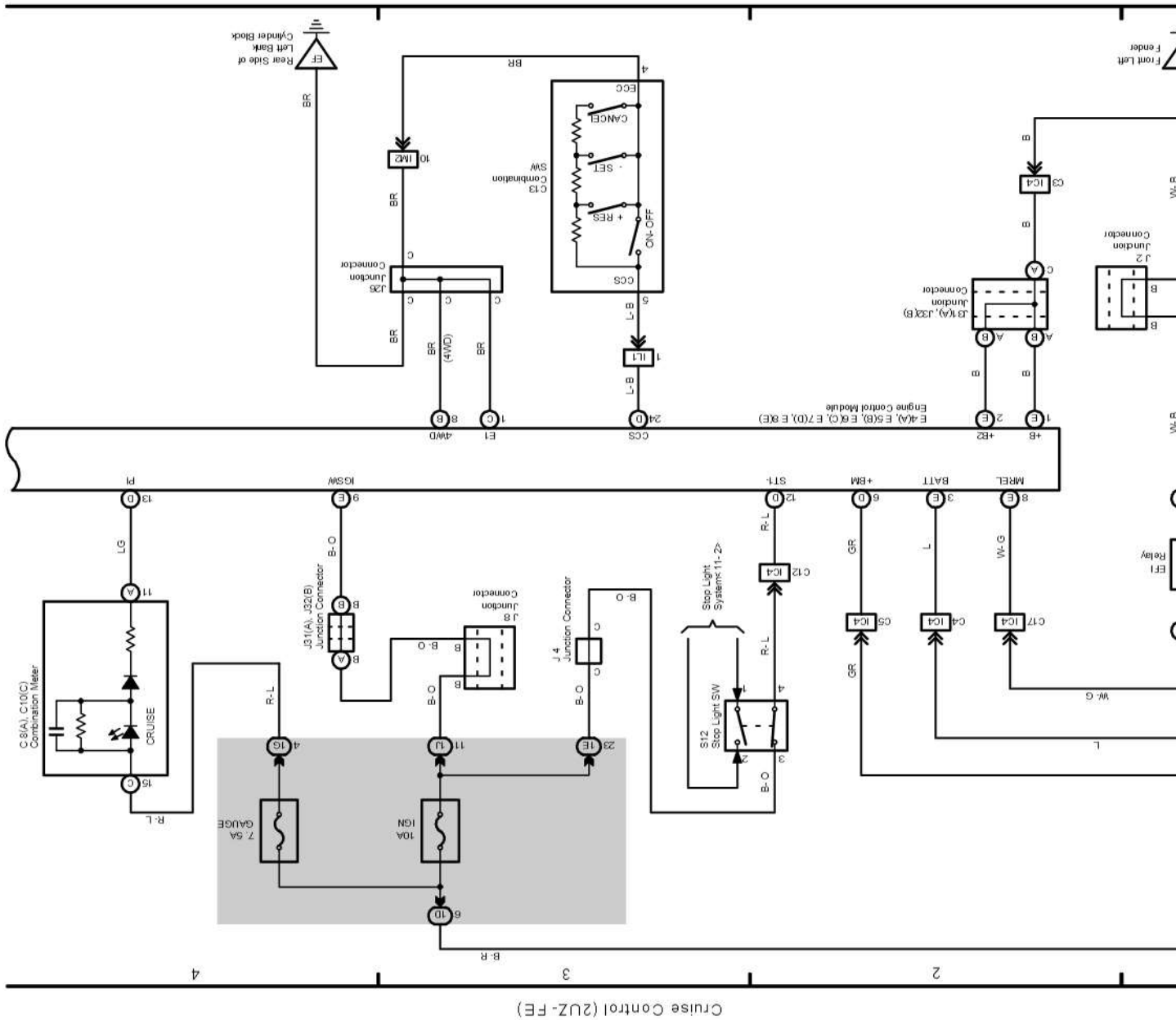
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M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)



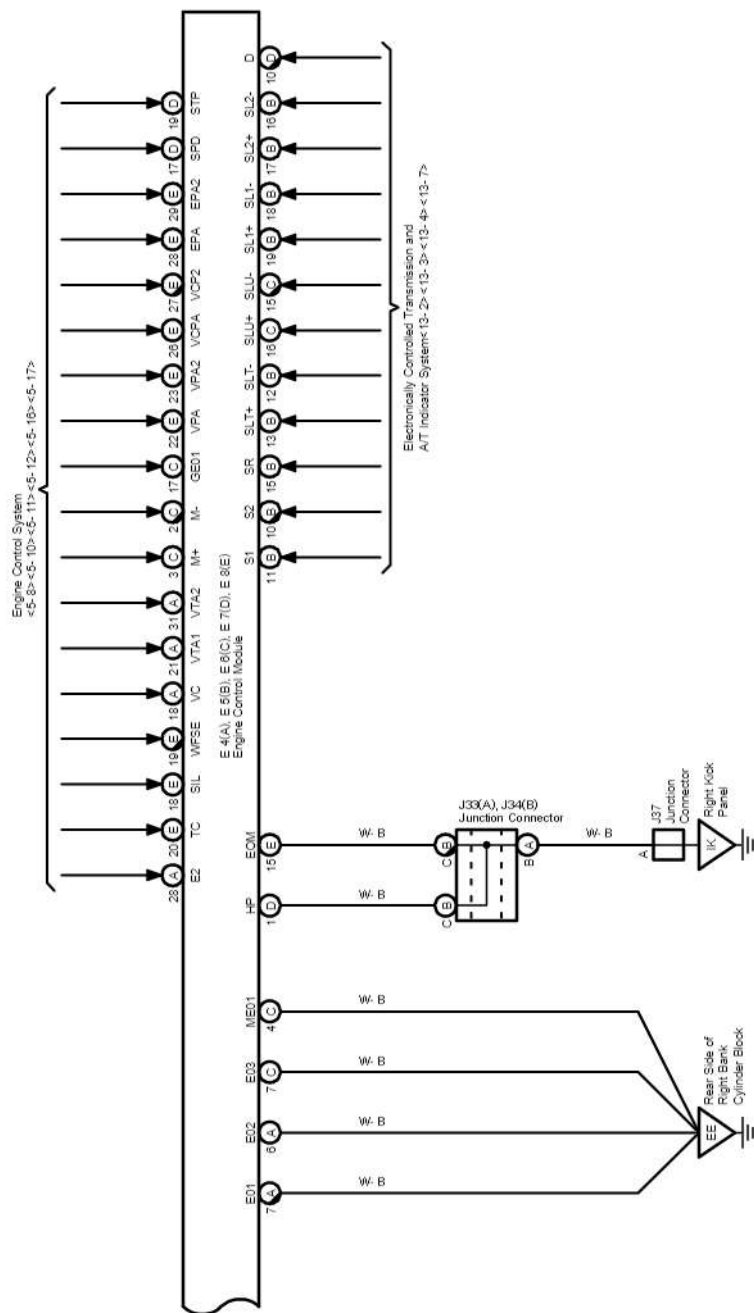
Cruise Control (2UZ-FE)

8

7

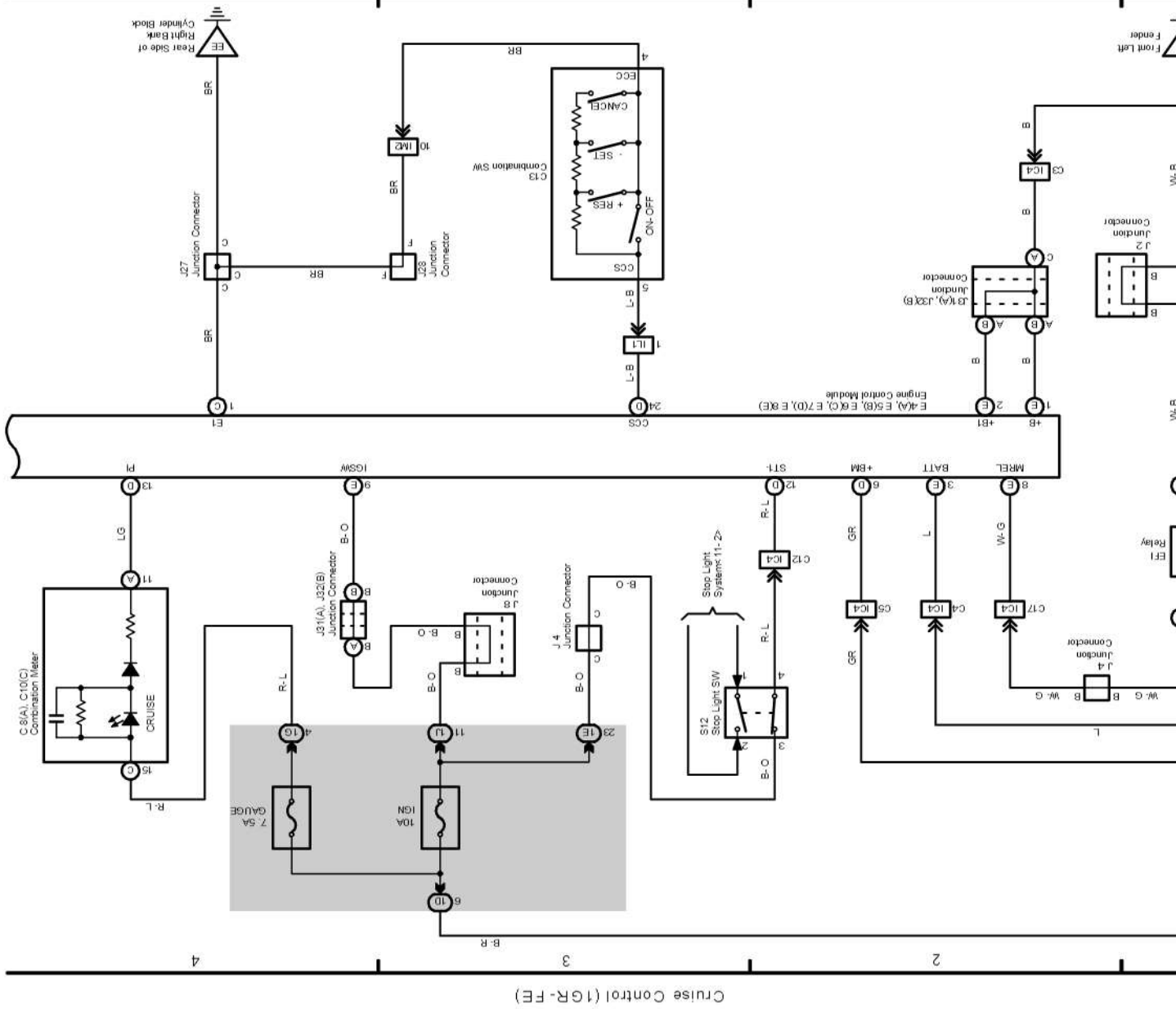
6

5

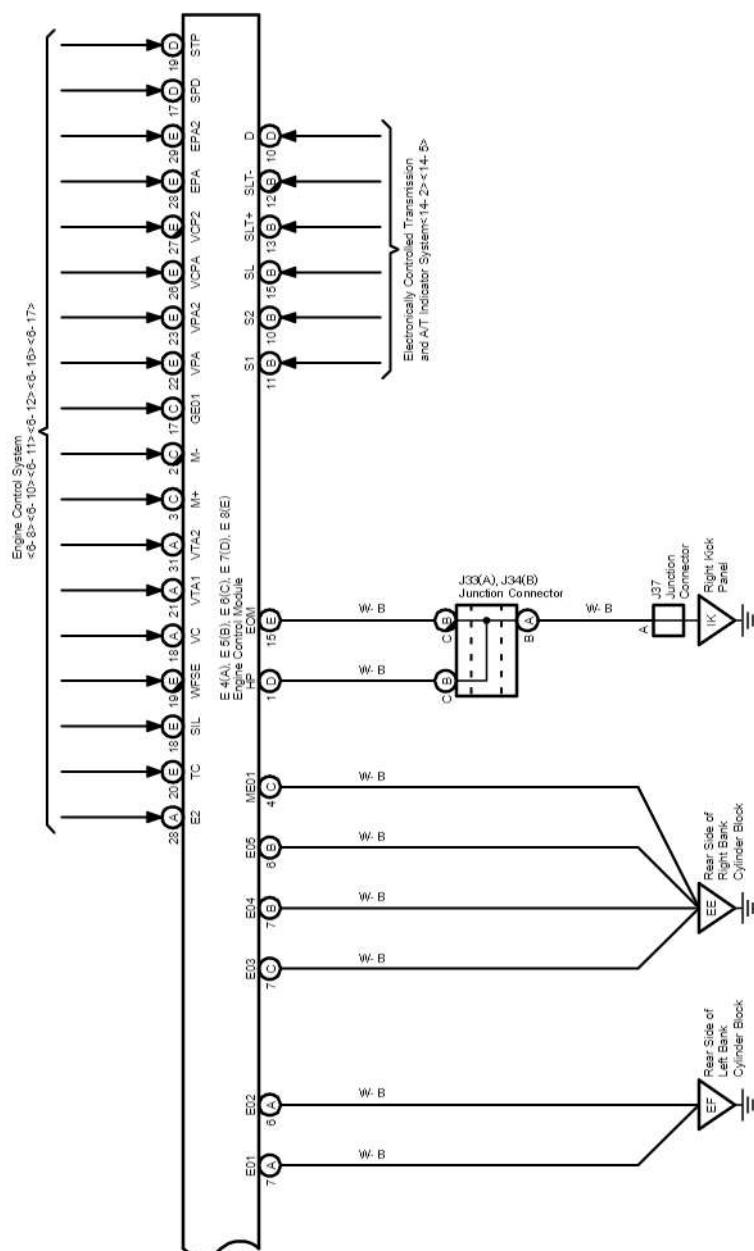


M OVERALL ELECTRICAL WIRING DIAGRAM

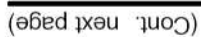
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Cruise Control (1GR-FE)

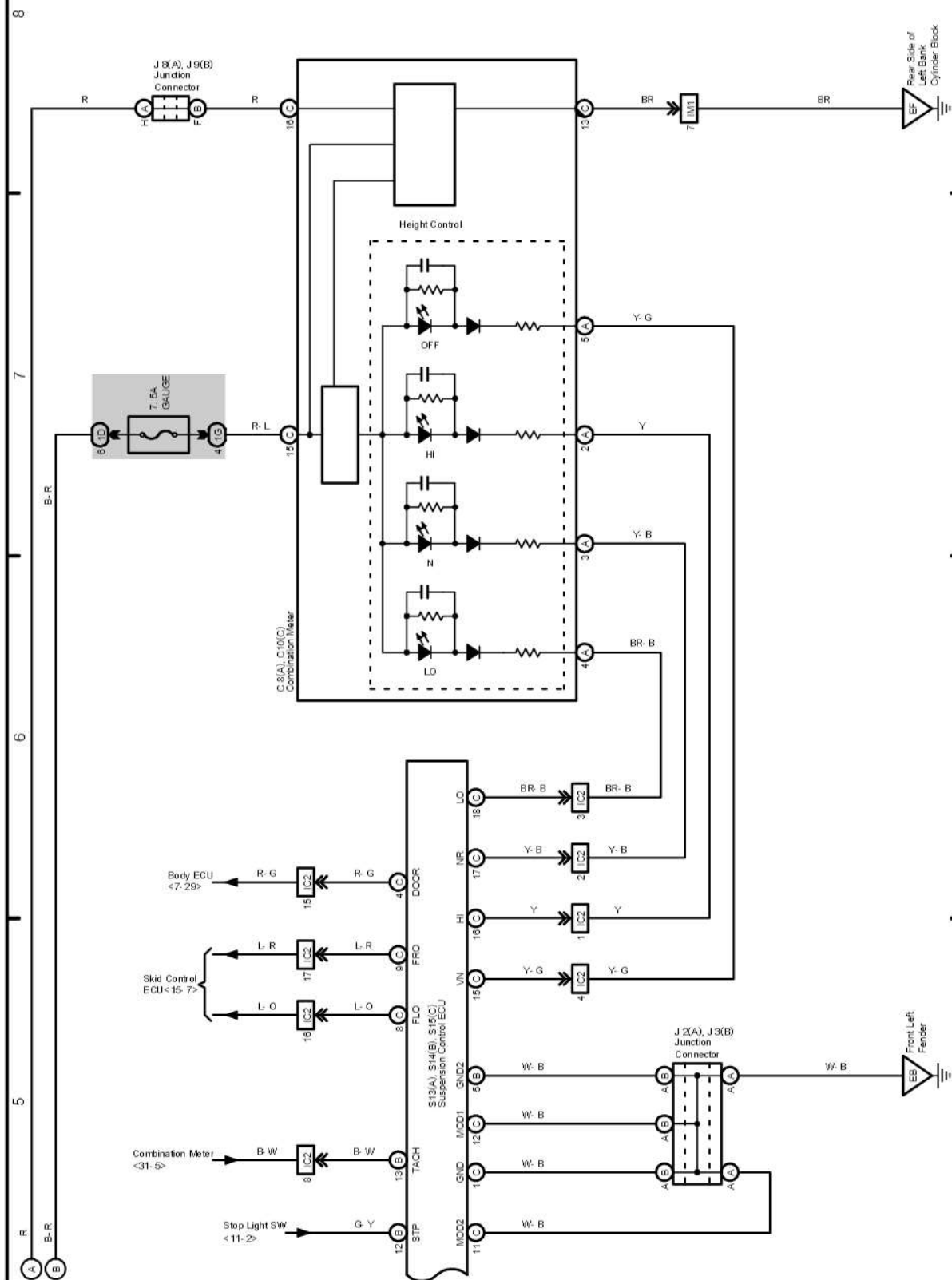


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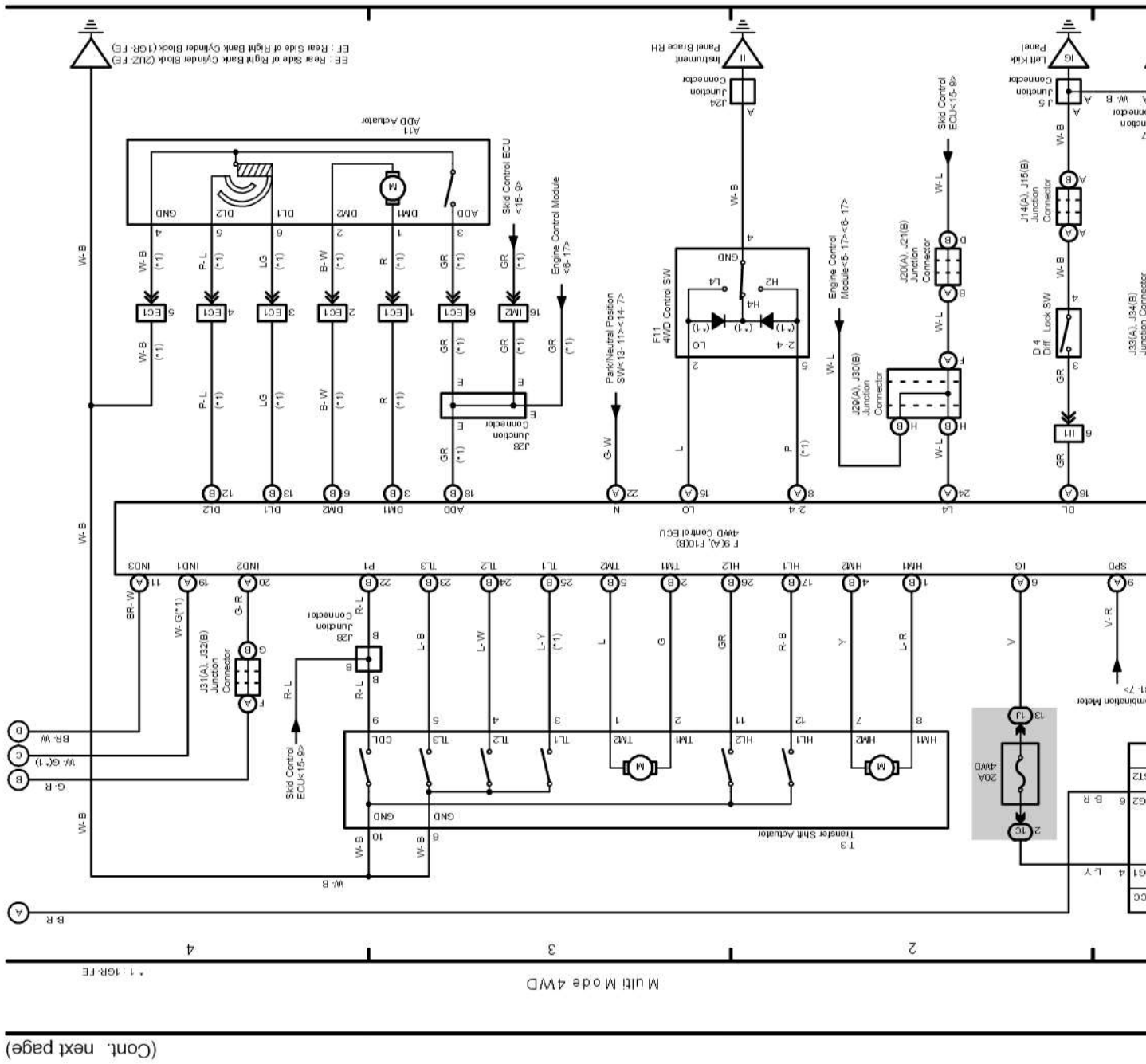


18 4RUNNER (Cont' d)

Active Height Control Suspension and Electric Modulated Air Suspension



M OVERALL ELECTRICAL WIRING DIAGRAM



19 4RUNNER (Cont' d)

Multi Mode 4WD

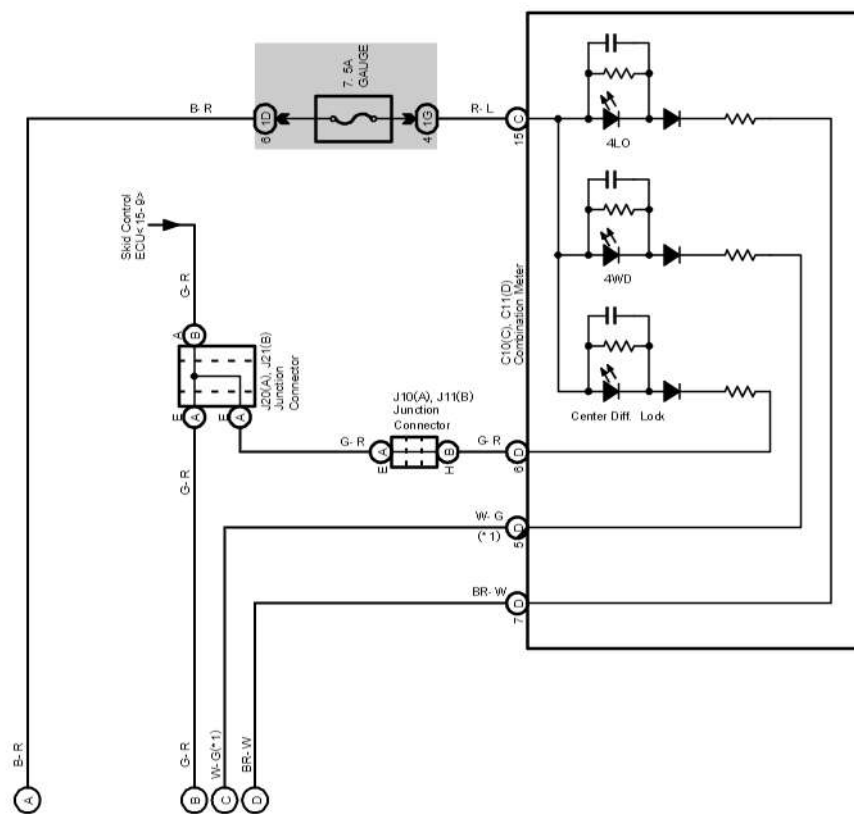
* 1: 1GR-FE

8

7

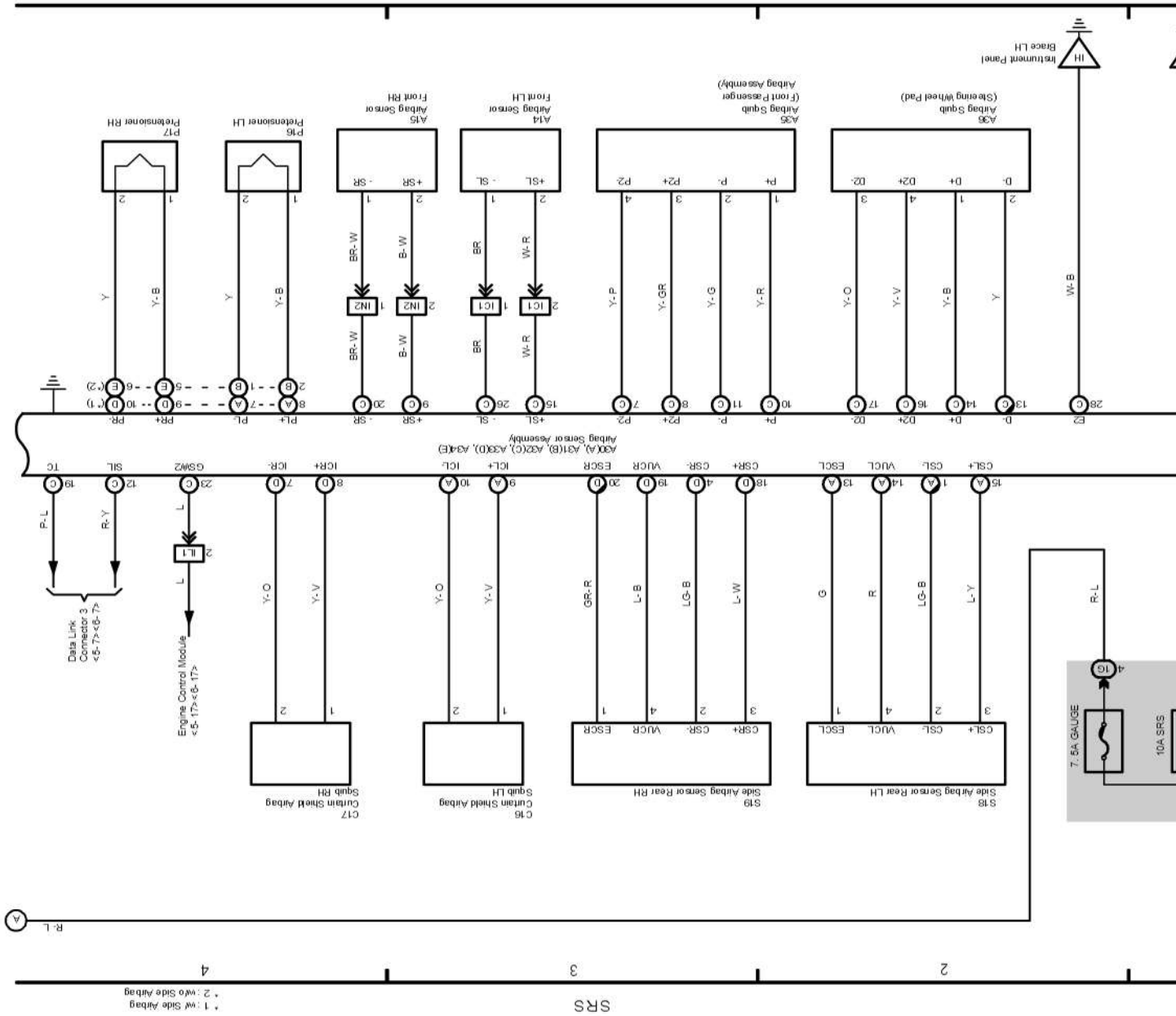
6

5

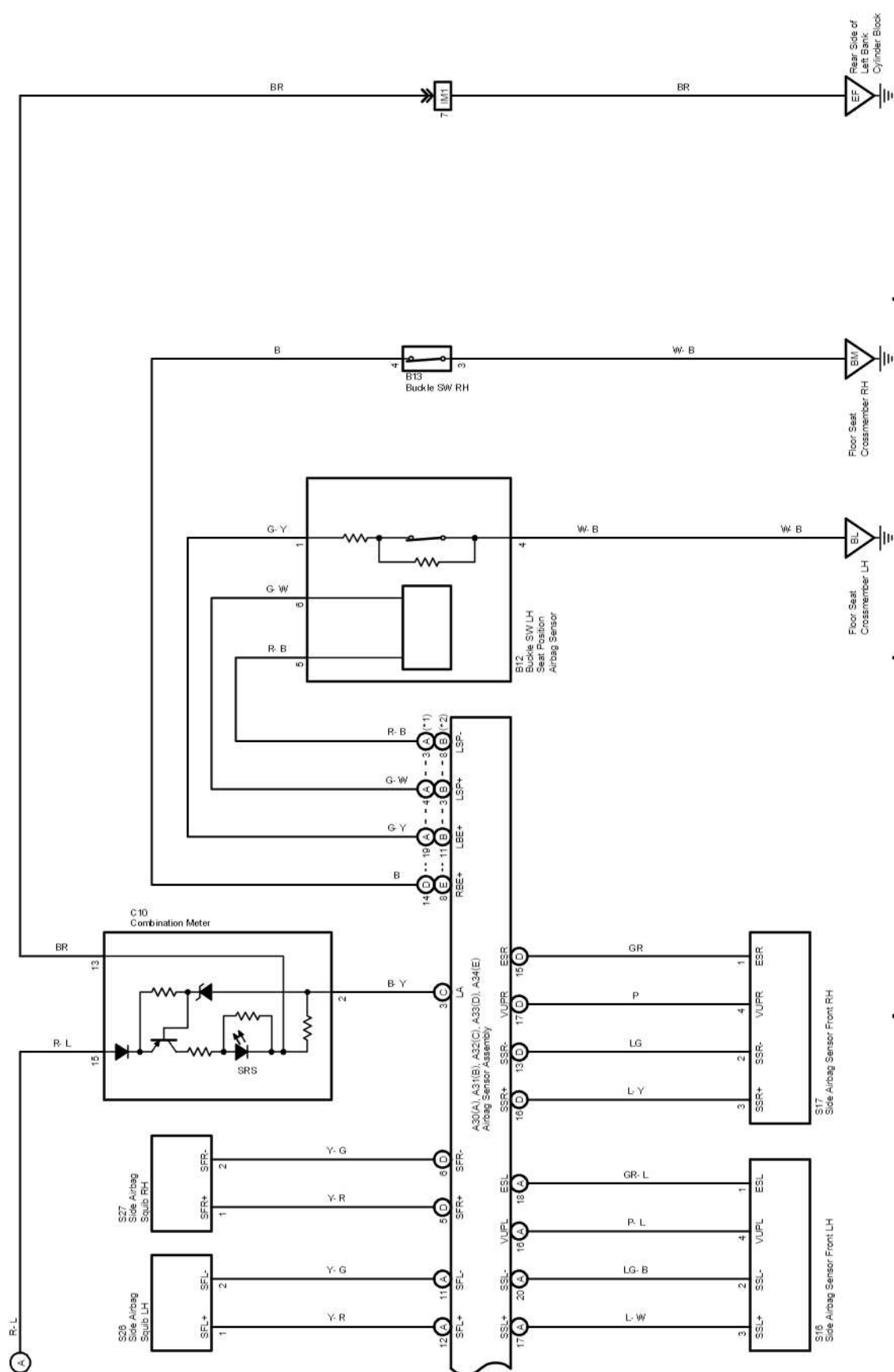


M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)



SRS



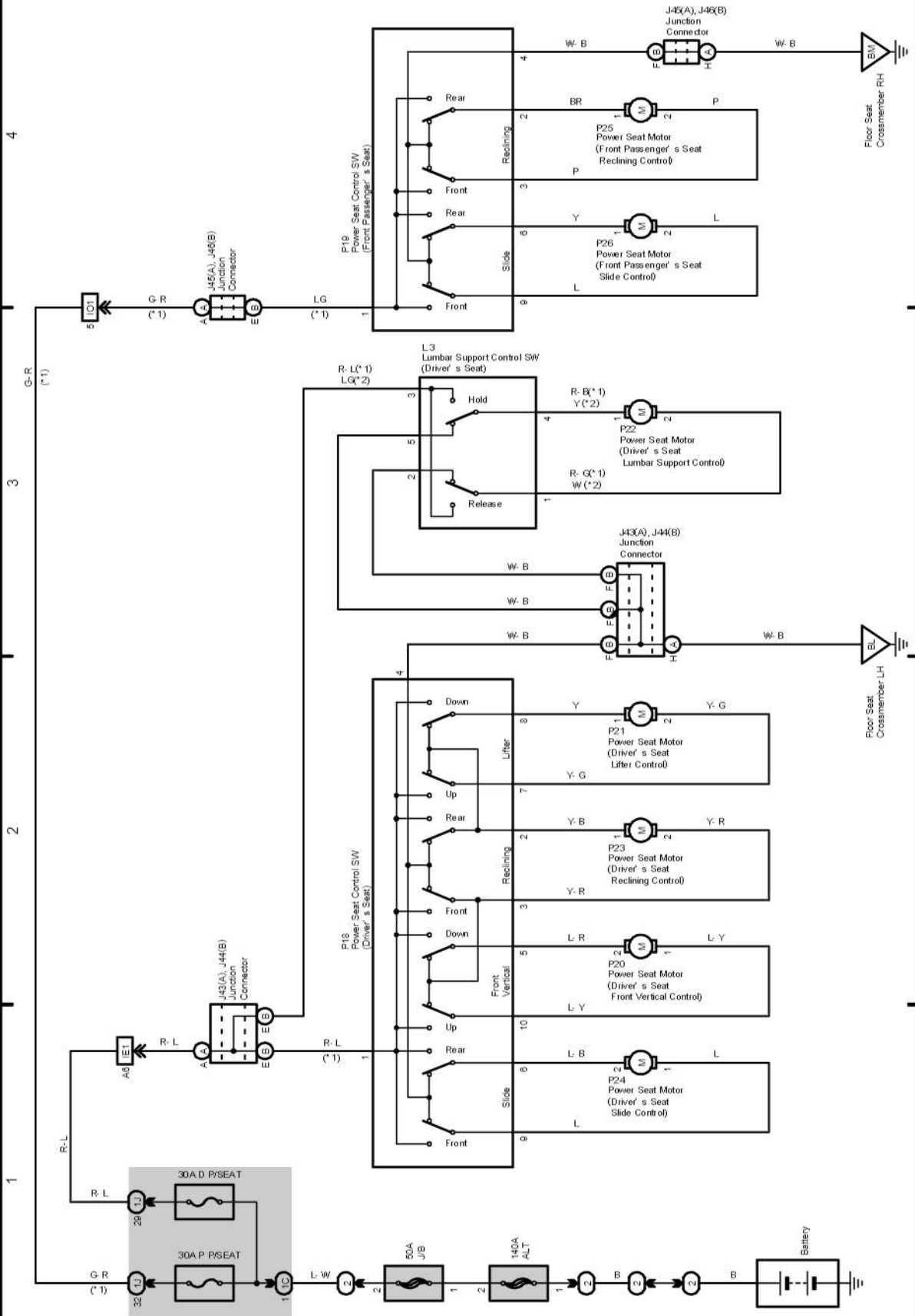
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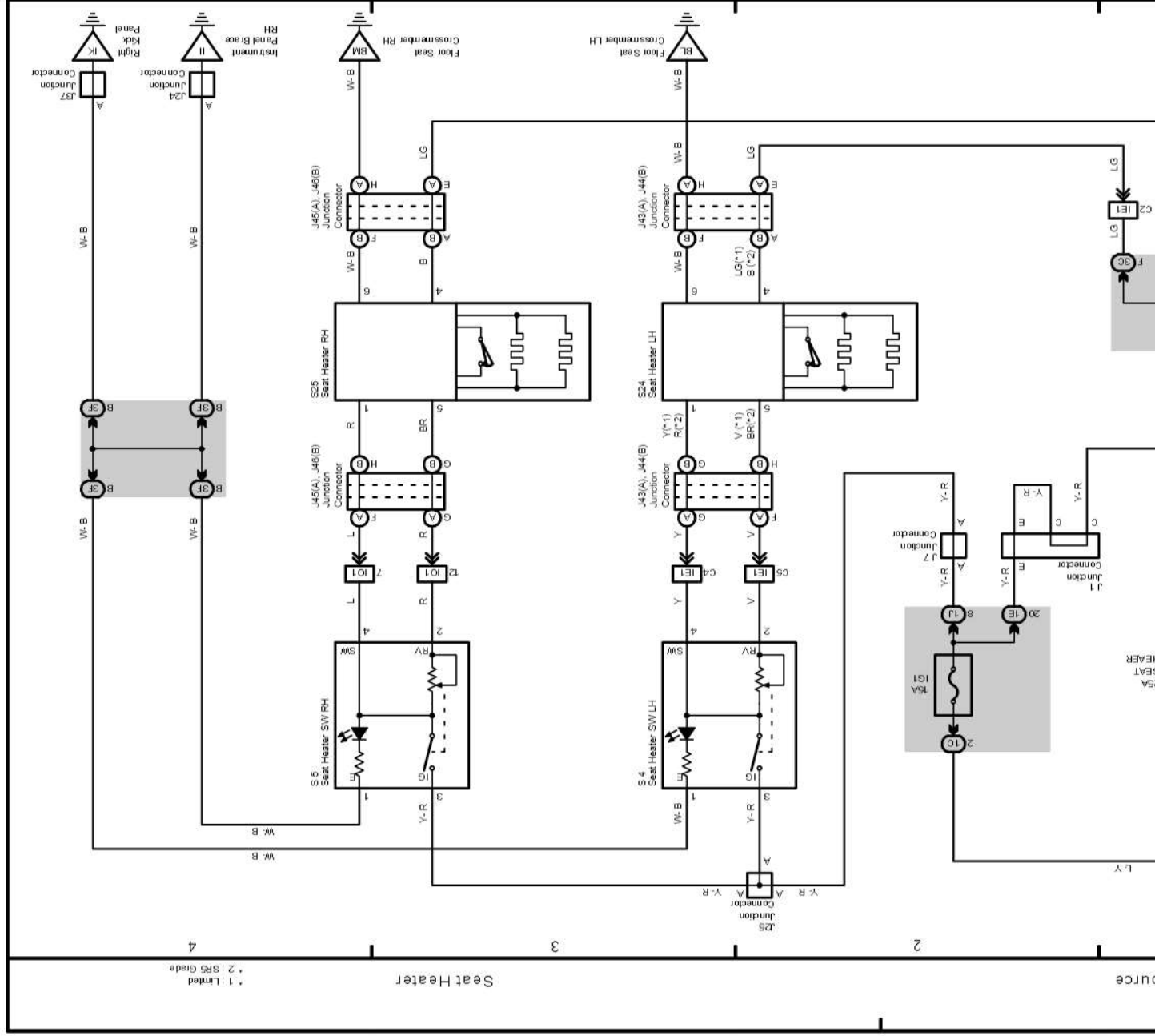
* 1 : Limited
* 2 : SR5 Grade

Power Seat

Power Source



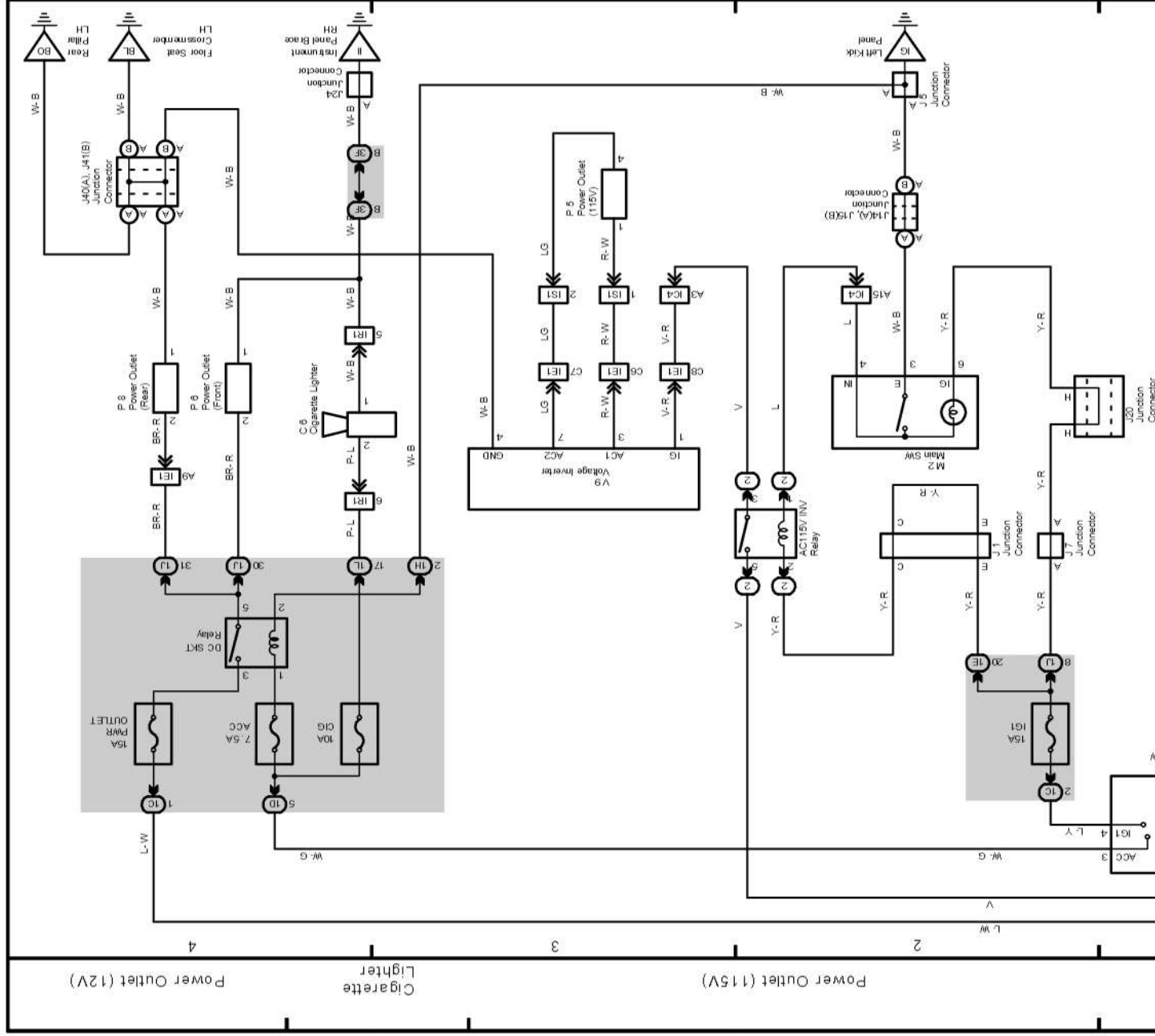
M OVERALL ELECTRICAL WIRING DIAGRAM



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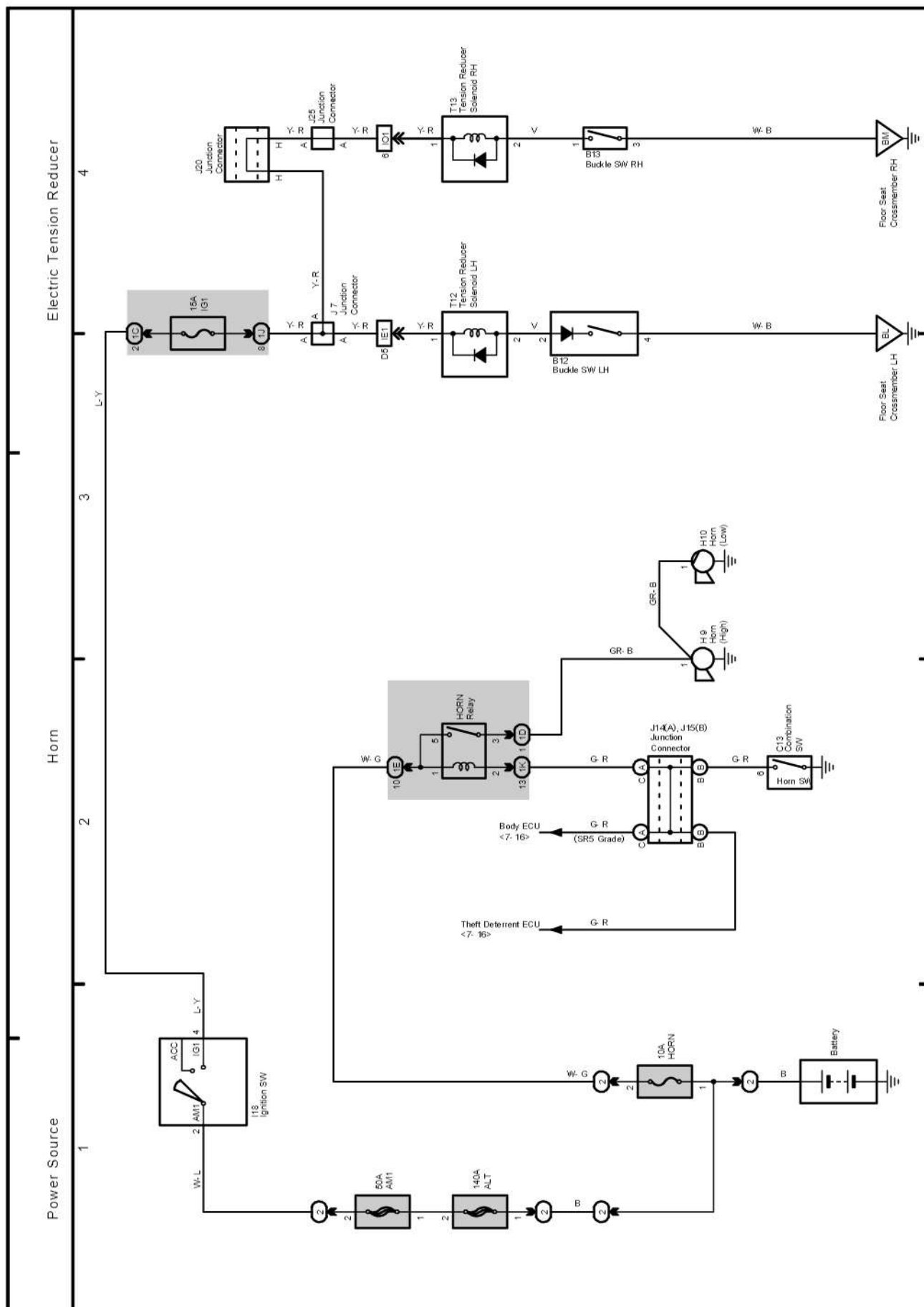


M OVERALL ELECTRICAL WIRING DIAGRAM



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26 4RUNNER

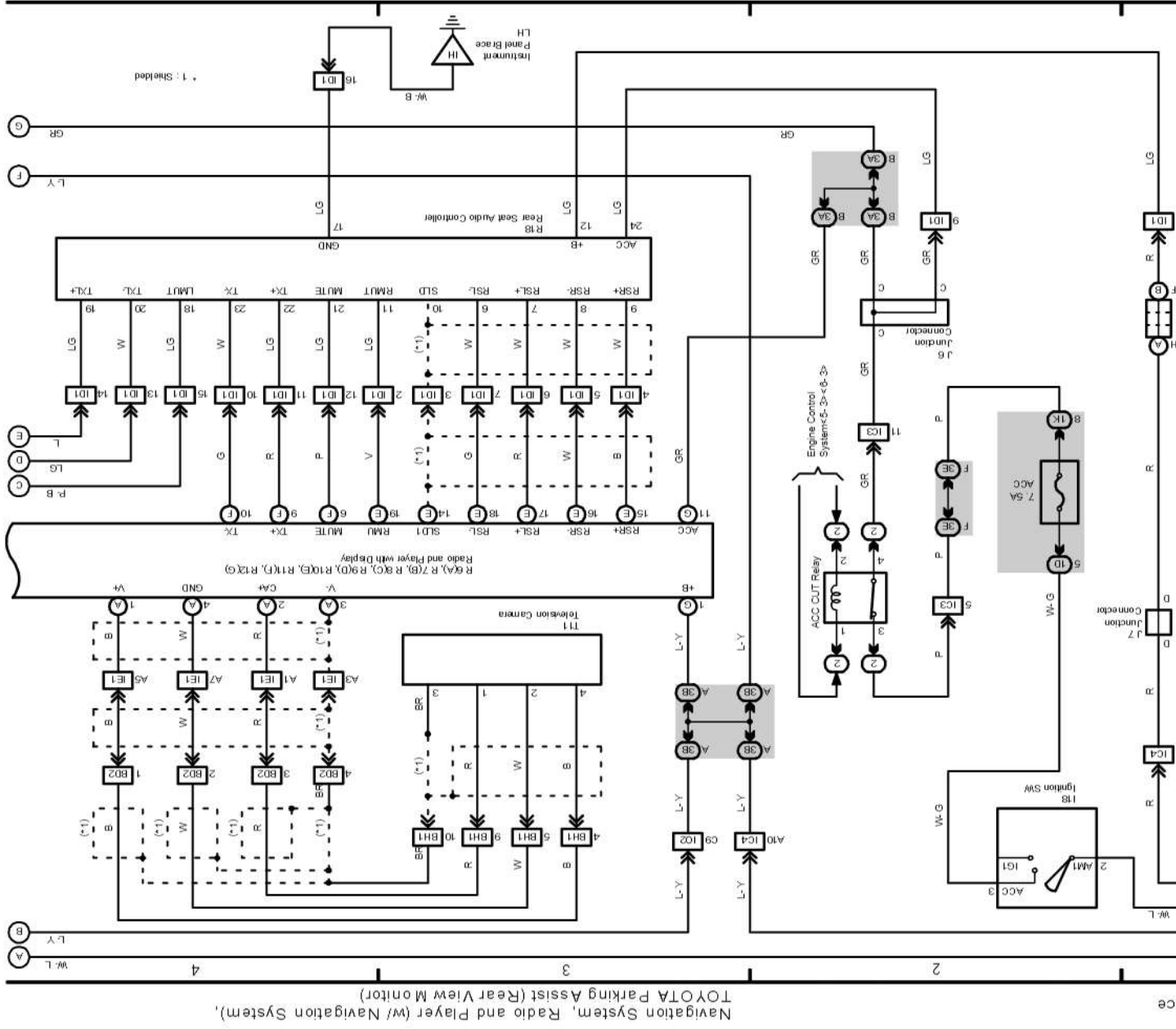


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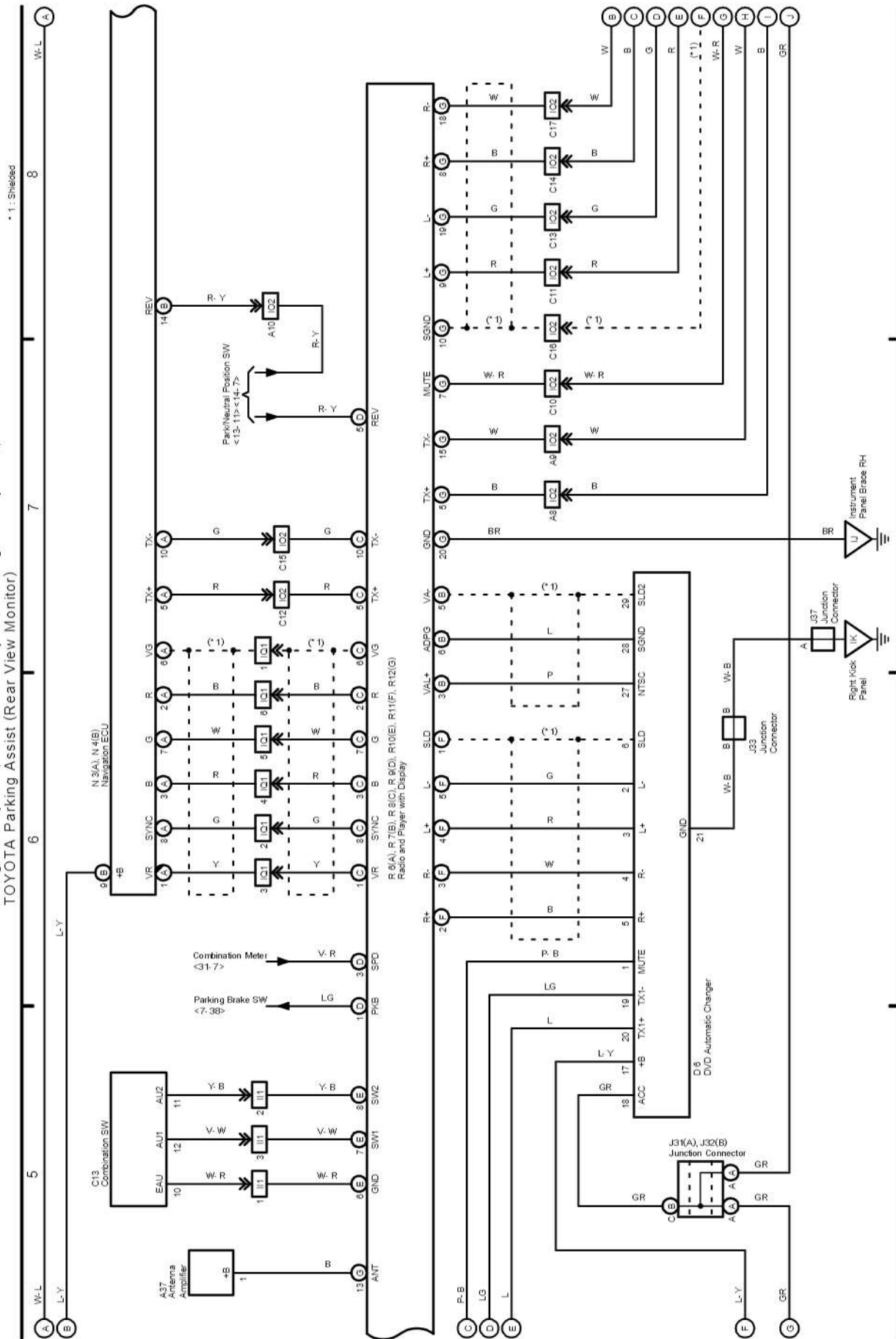


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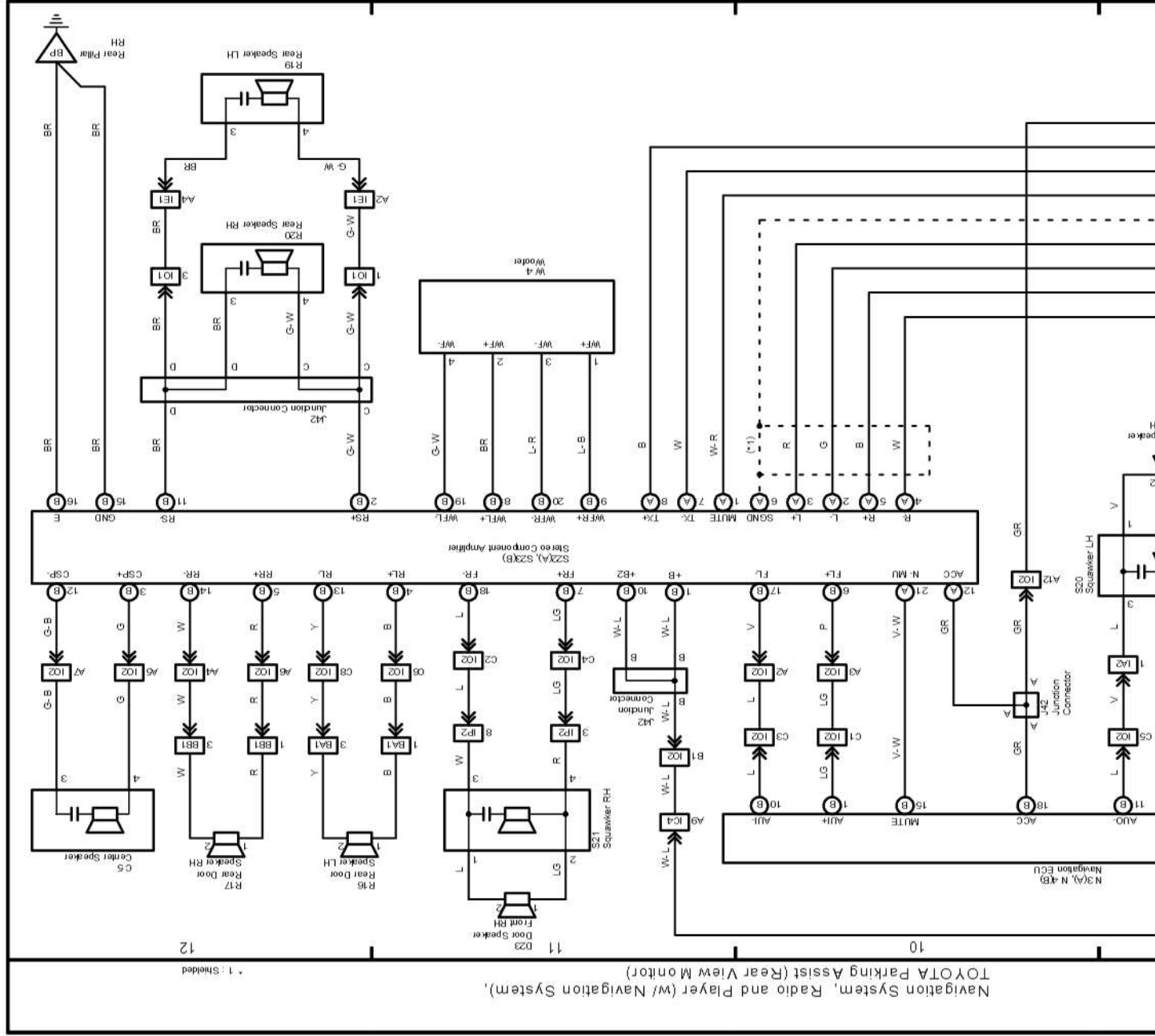
M OVERALL ELECTRICAL WIRING DIAGRAM



Navigation System, Radio and Player (w/ Navigation System),
TOYOTA Parking Assist (Rear View Monitor)



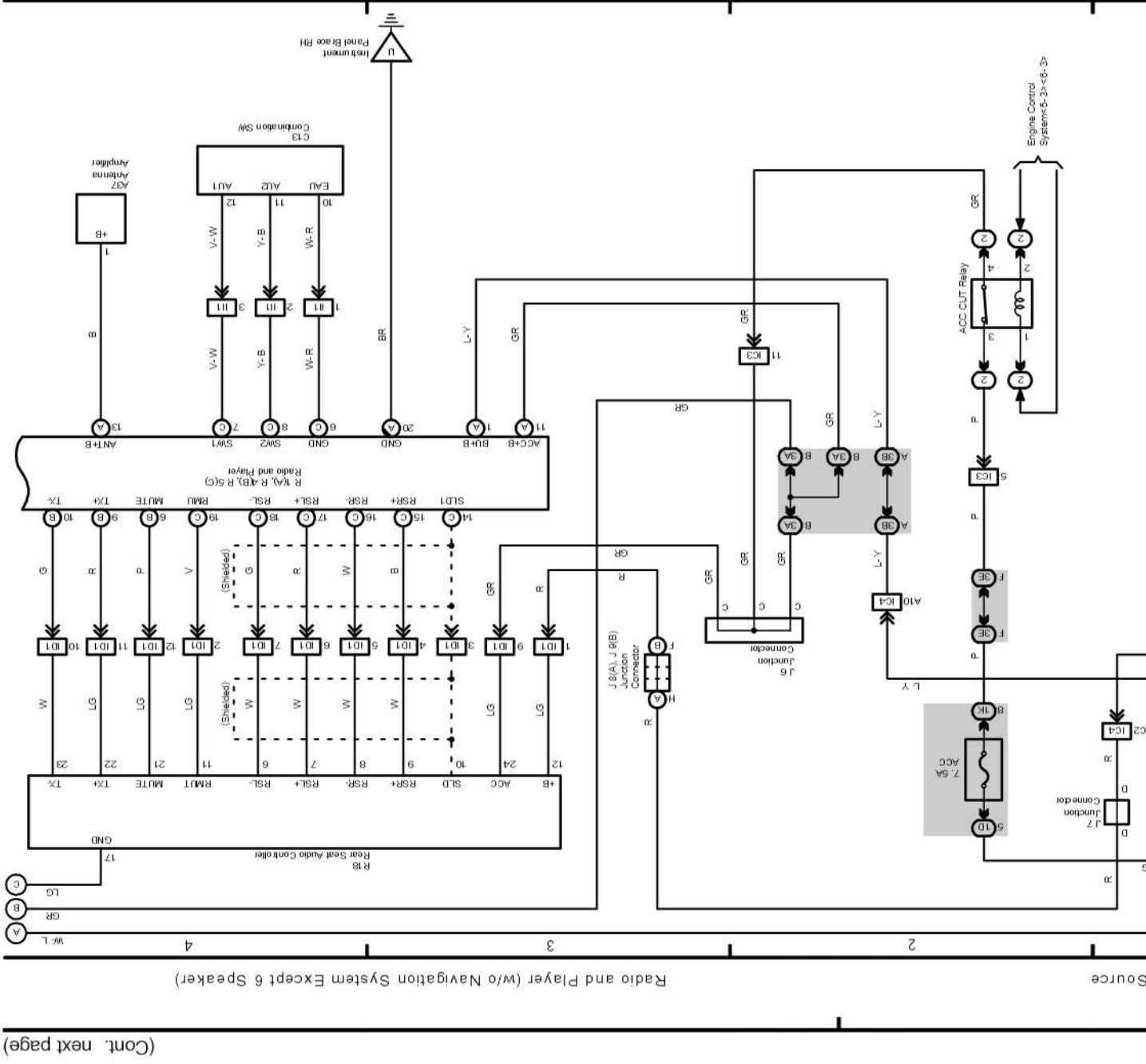
M OVERALL ELECTRICAL WIRING DIAGRAM



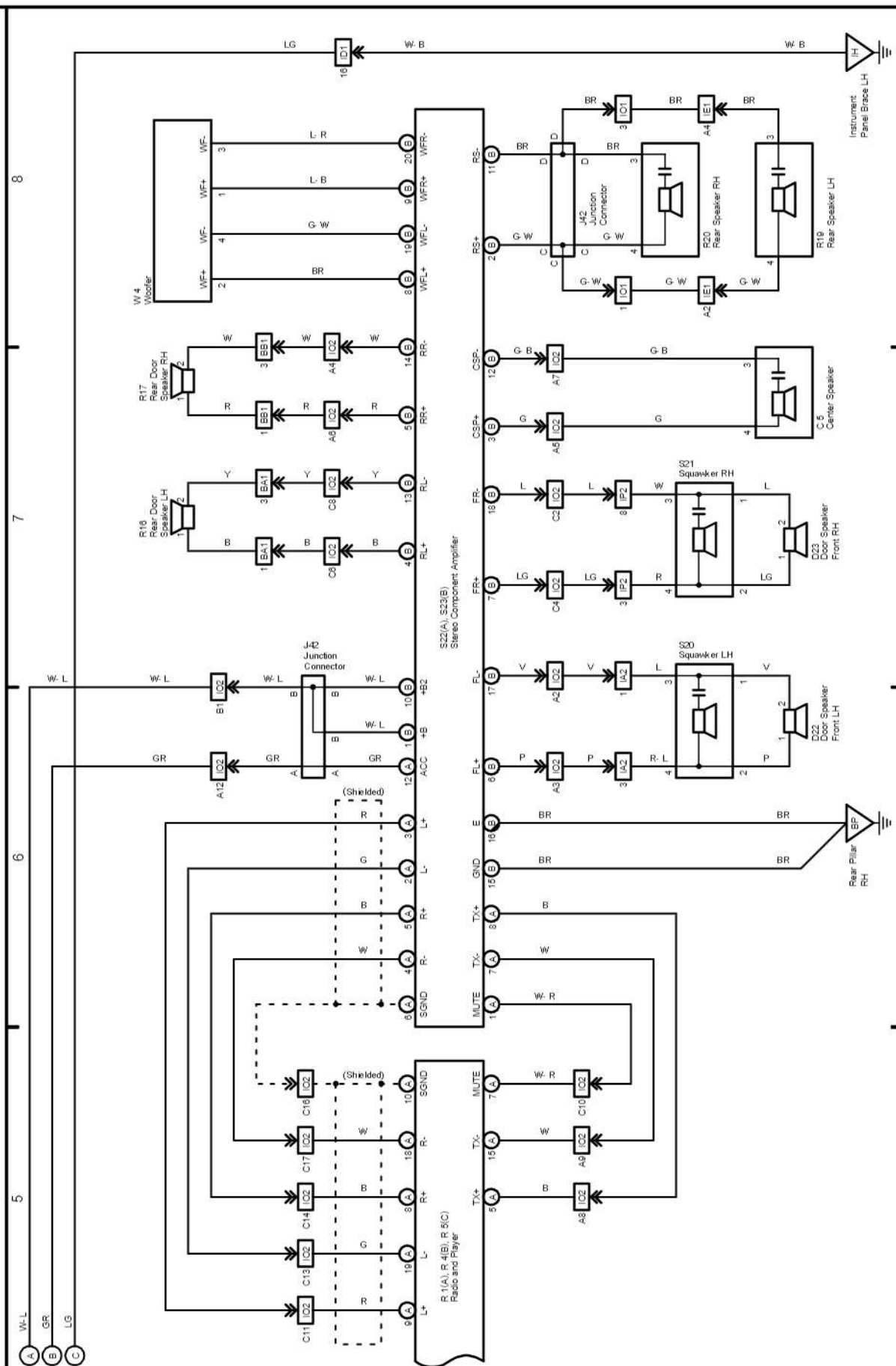
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M OVERALL ELECTRICAL WIRING DIAGRAM



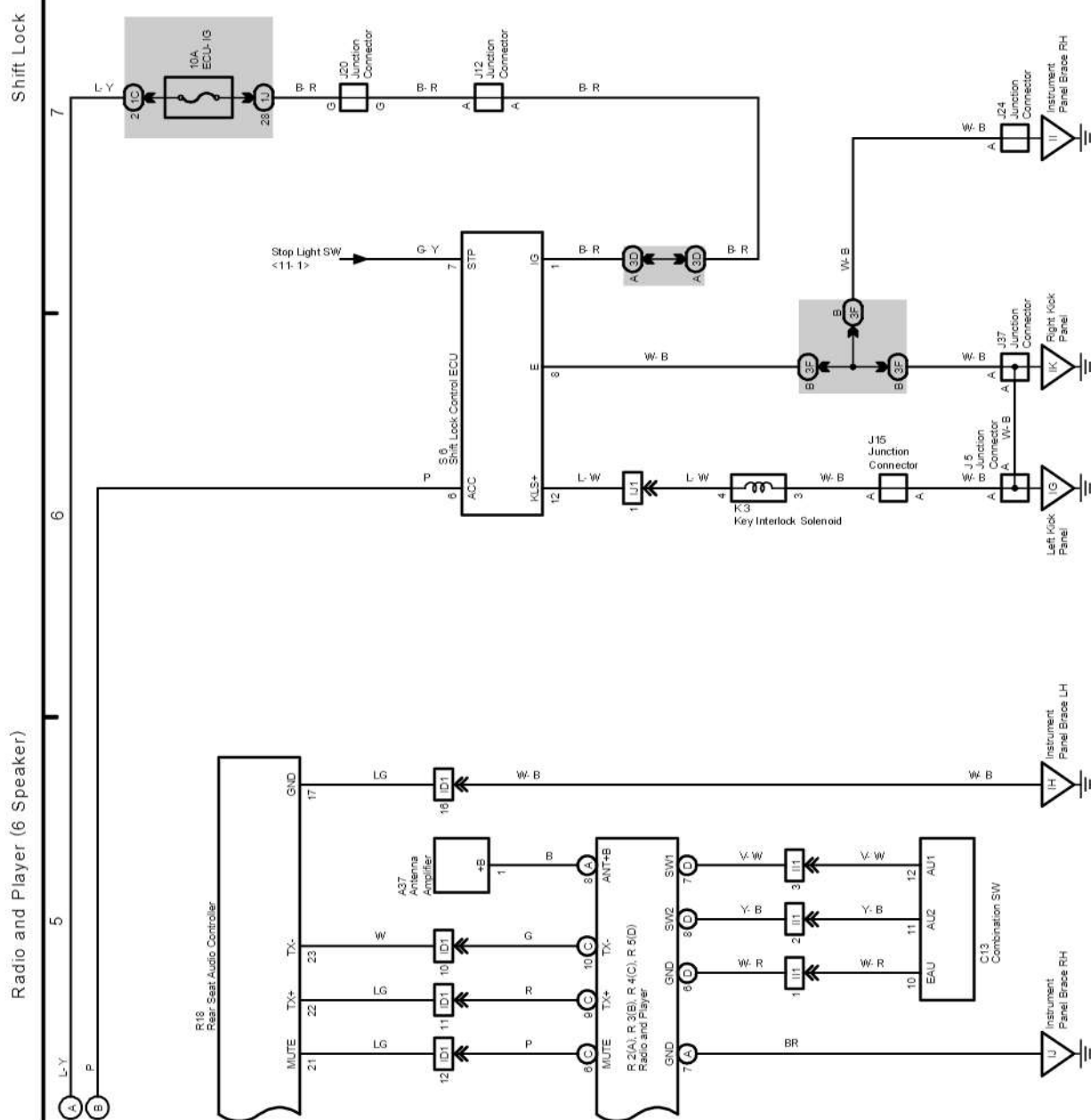
Radio and Player (w/o Navigation System Except 6 Speaker)



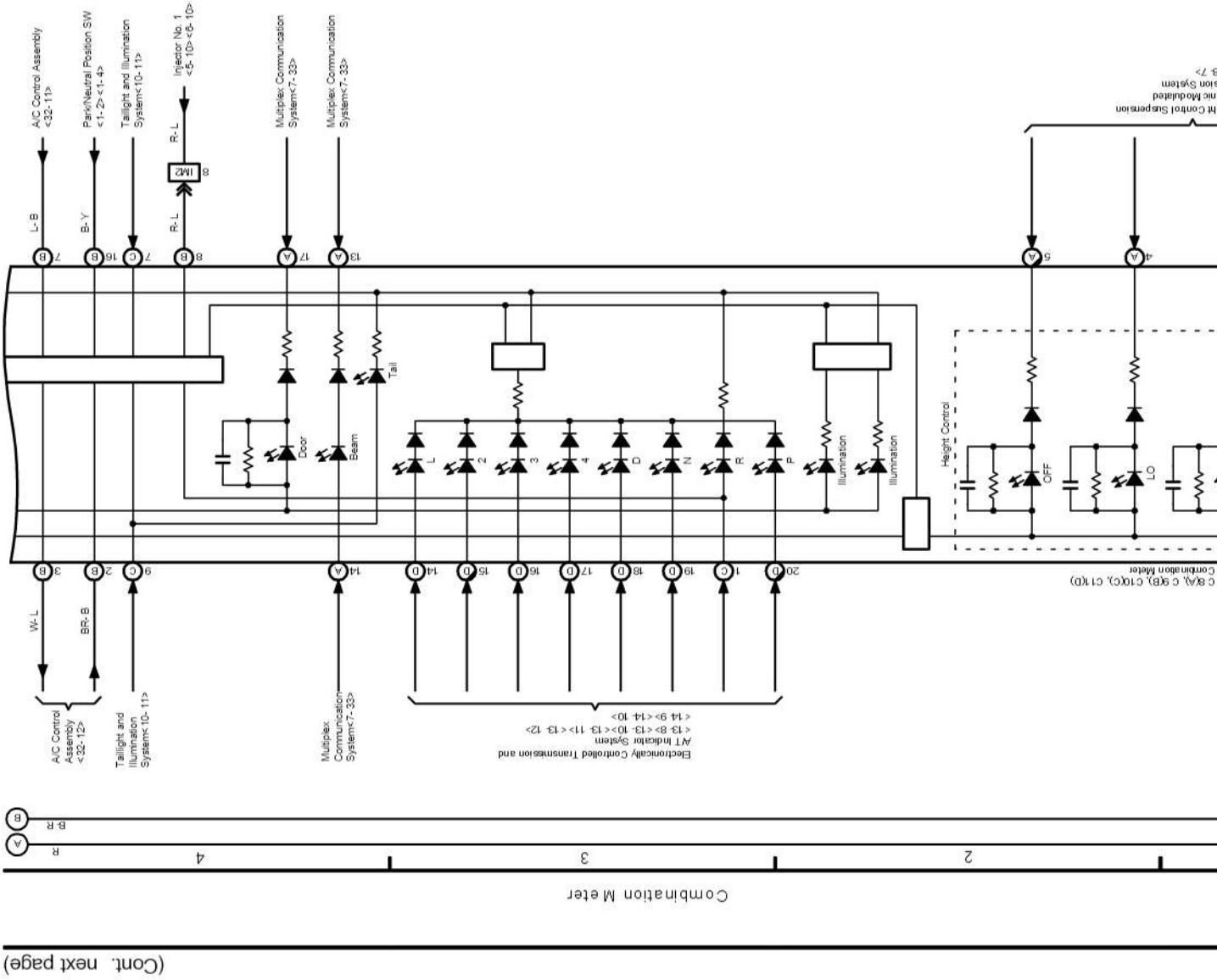
(Cont. next page)



Radio and Player (6 Speaker)



M OVERALL ELECTRICAL WIRING DIAGRAM

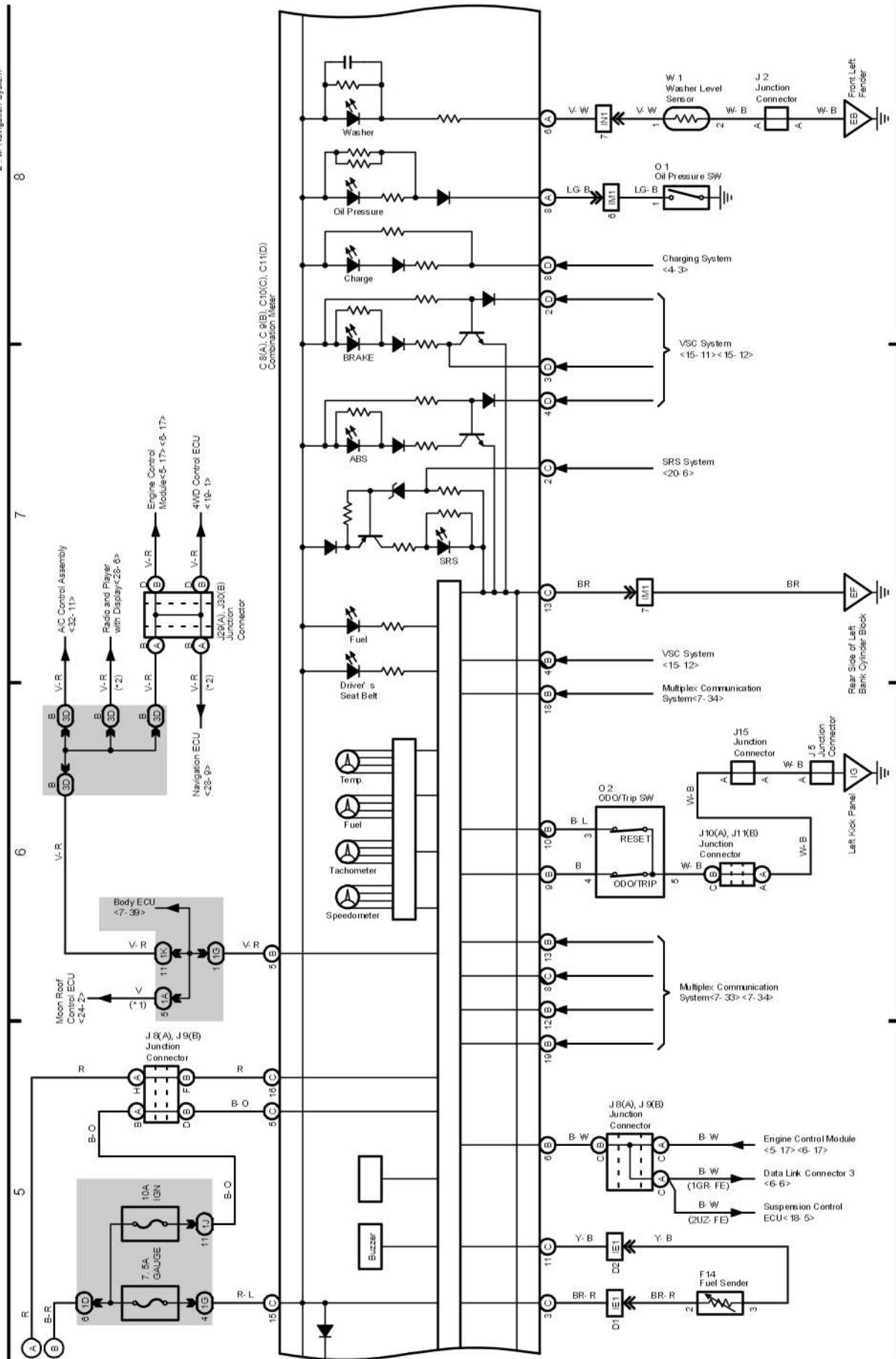


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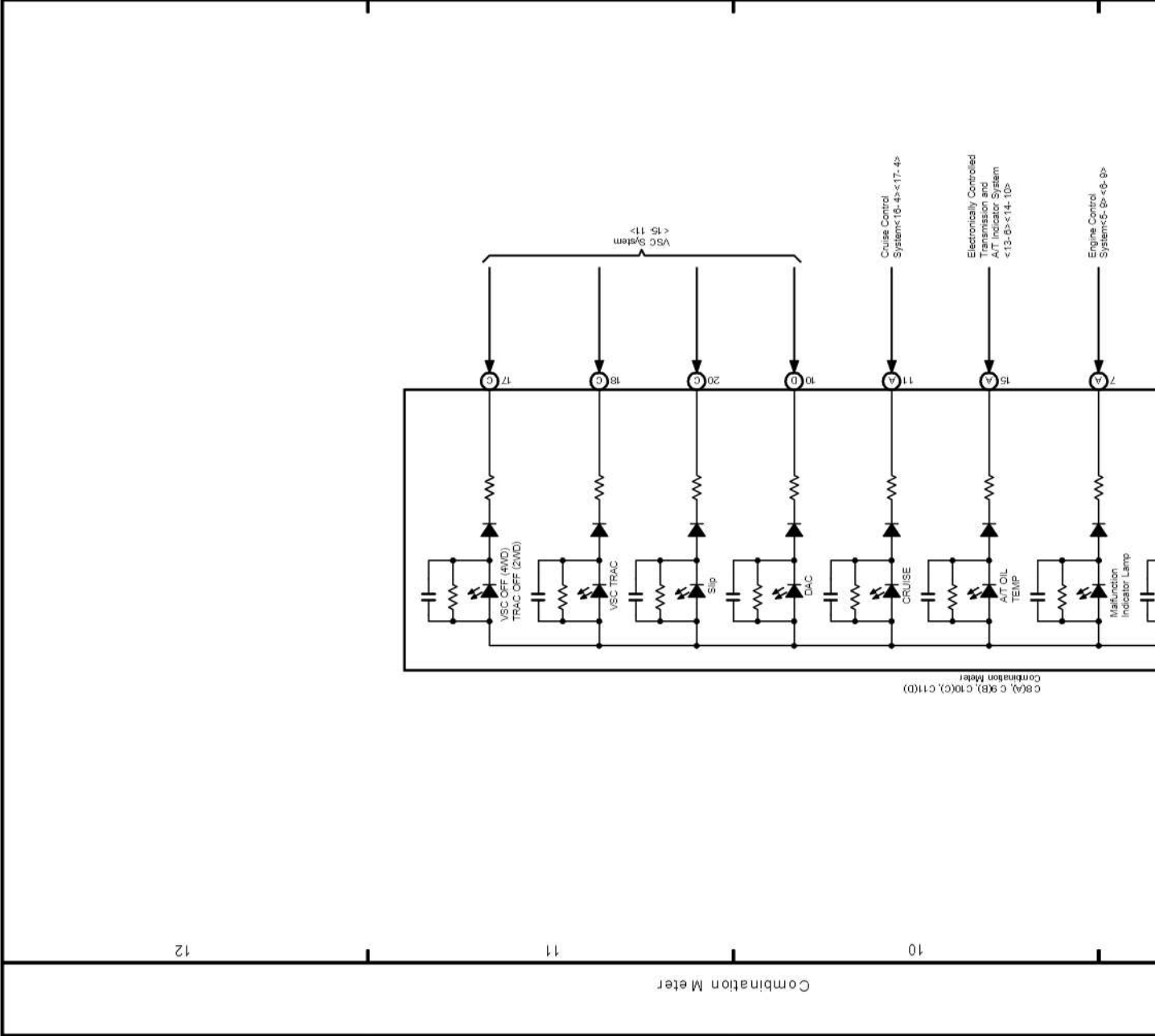
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- 1: w/ Moon Roof
- 2: w/ Navigation System

Combination Meter



M OVERALL ELECTRICAL WIRING DIAGRAM

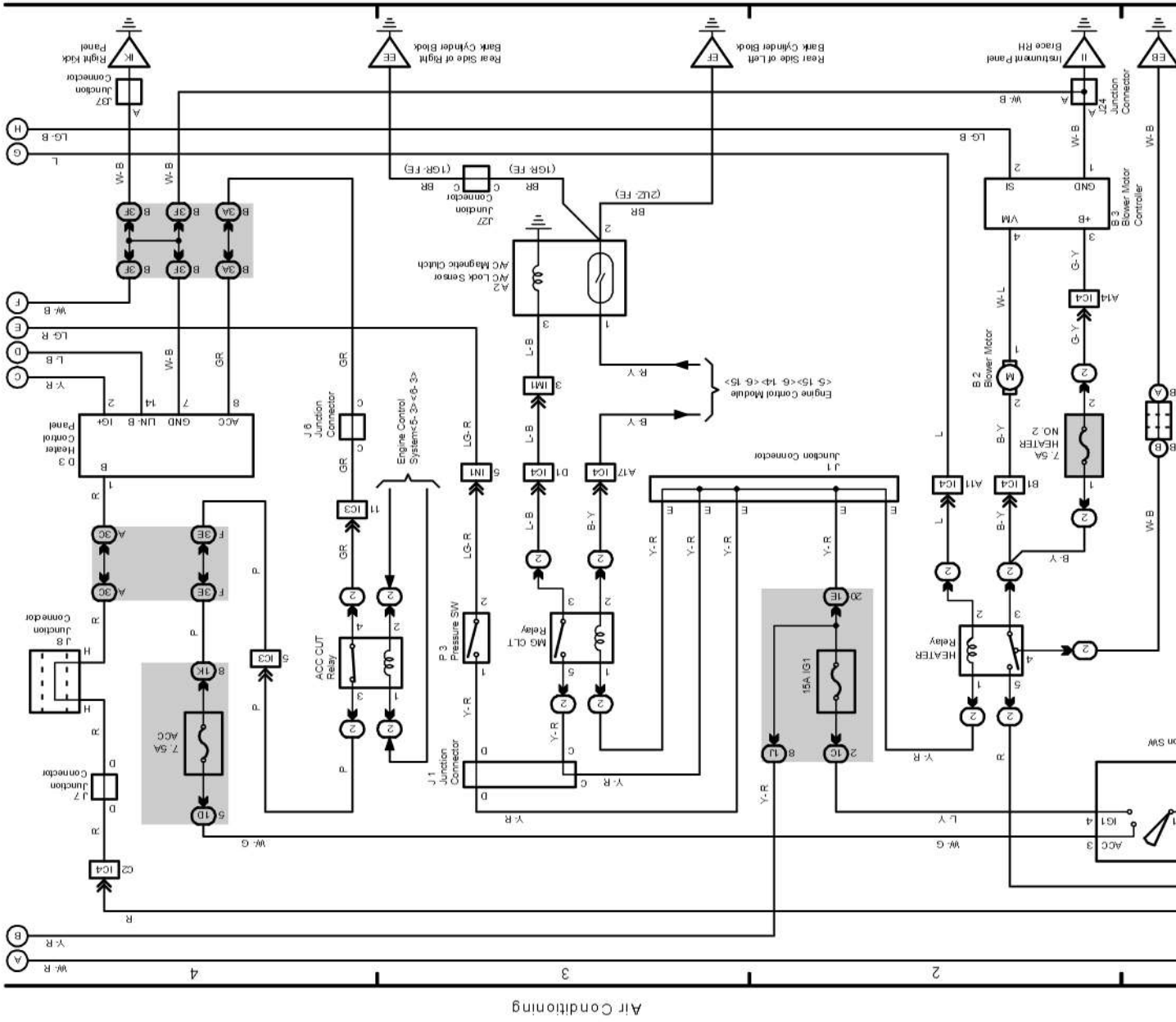


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M OVERALL ELECTRICAL WIRING DIAGRAM

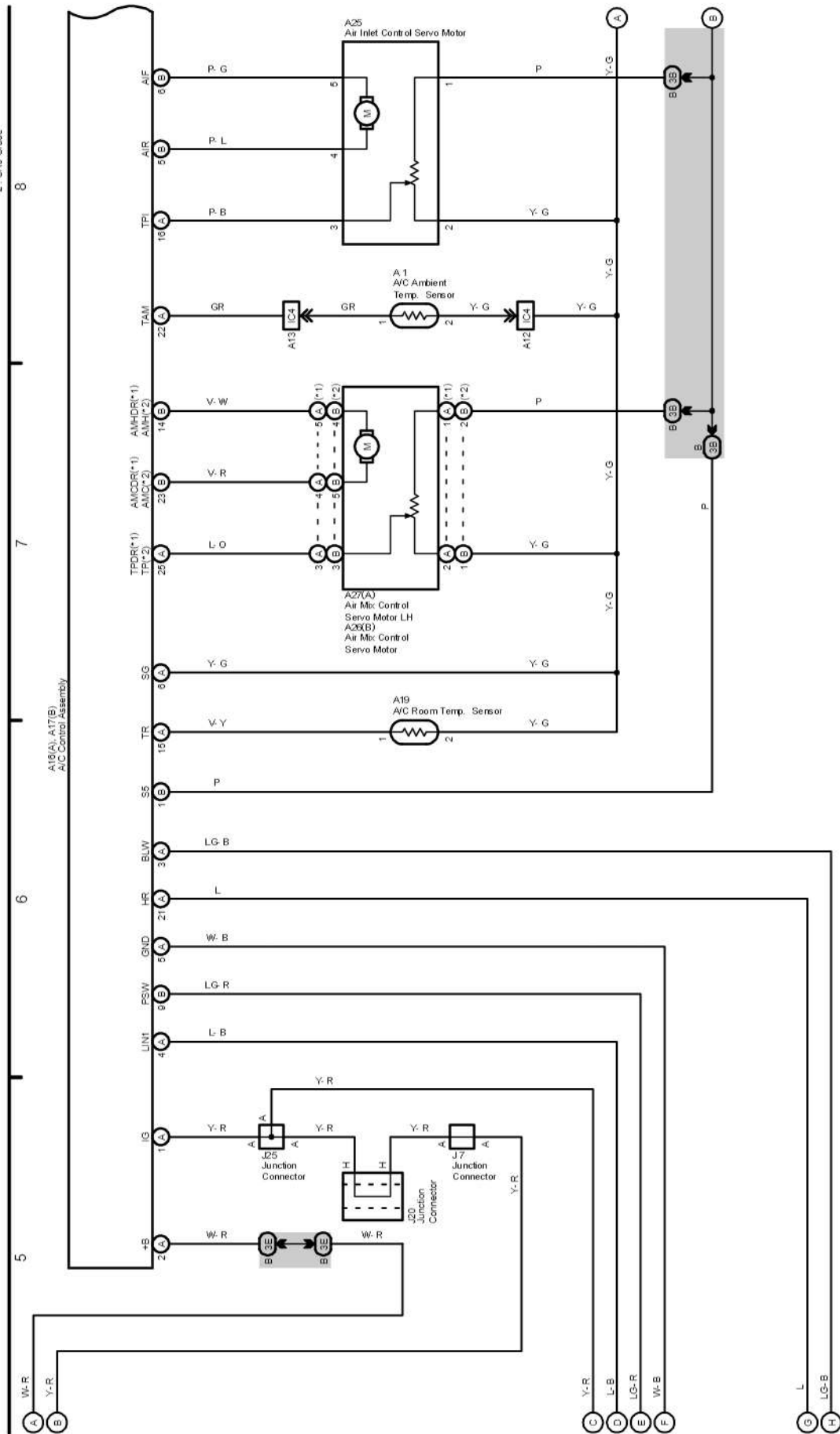
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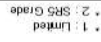
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Air Conditioning

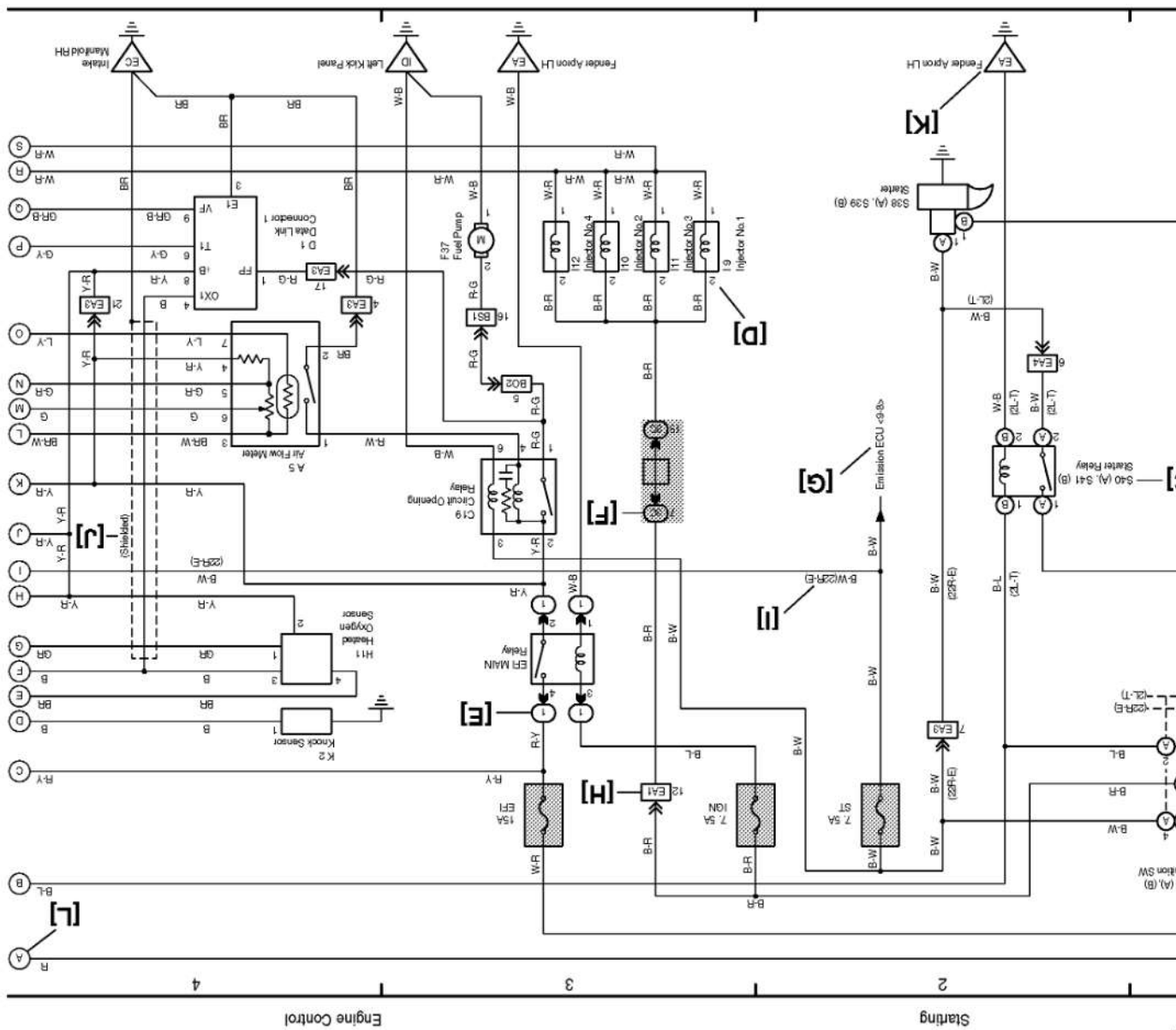
- * 1 : Limited
- * 2 : SR5 Grade



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M OVERALL ELECTRICAL WIRING DIAGRAM



* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the wiring diagram section.

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[A] : System Title

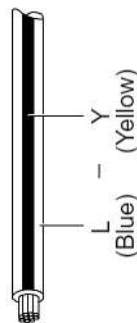
[B] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

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

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

Example: L - Y

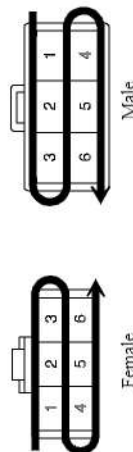


[C] : The position of the parts is the same as shown in the wiring diagram and wire routing.

[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



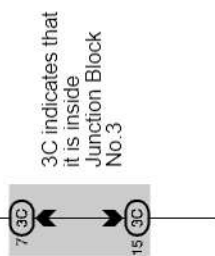
The numbering system for the overall wiring diagram is the same as above

[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 :  Indicates Relay Block No.1

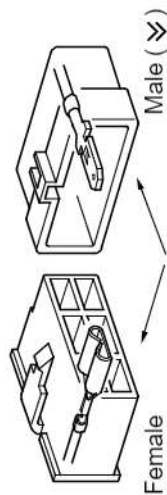
[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

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.



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

[J] : Indicates a shielded cable.



[K] : Indicates and located on ground point.

[L] : The same code occurring on the next page indicates that the wire harness is continuous.

M OVERALL ELECTRICAL WIRING DIAGRAM

SYSTEM INDEX

SYSTEMS	LOCATION	SYSTEMS	LOCATION
Active Height Control Suspension	18-2	* Interior Light	
Air Conditioning	32-2	* Key Reminder	
Automatic Glare-Resistant EC Mirror with Compass	24-1	* Light Auto Turn Off	
Back-Up Light	12-2	* Mirror Heater	
Charging	4-2	* Power Window	
Cigarette Lighter	25-3	* Rear Window Defogger	
Combination Meter	31-2	* Rear Wiper and Washer	
Cruise Control (1GR-FE)	17-2	* Seat Belt Warning	
Cruise Control (2UZ-FE)	16-2	* Theft Deterrent	
Electric Modulated Air Suspension	18-2	* Wireless Door Lock Control	
Electric Tension Reducer	26-4	Navigation System	28-2
Electronically Controlled Transmission and A/T Indicator (1GR-FE) 14-2		Power Outlet (115V)	25-2
Electronically Controlled Transmission and A/T Indicator (2UZ-FE) 13-2		Power Outlet (12V)	25-4
Engine Control (1GR-FE)	6-2	Power Seat	22-2
Engine Control (2UZ-FE)	5-2	Power Source	1~32-1
Engine Immobiliser System (1GR-FE)	6-19	Radio and Player (w/ Navigation System)	28-2
Engine Immobiliser System (2UZ-FE)	5-19	Radio and Player (w/o Navigation System Except 6 Speaker)	29-2
Front Wiper and Washer	21-2	Radio and Player (6 Speaker)	30-2
Horn	26-2	Remote Control Mirror	24-3
Ignition (1GR-FE)	3-2	Seat Heater	23-2
Ignition (2UZ-FE)	2-2	Shift Lock	30-6
Illumination	10-2	SRS	20-2
Moon Roof	24-2	Starting	1-2
Multi Mode 4WD	19-2	Stop Light	11-2
Multiplex Communication System	7-3	Taillight	10-2
* Automatic Light Control		TOYOTA Parking Assist (Rear View Monitor)	28-2
* Door Lock Control		Trailer Towing	27-2
* Front Fog Light		Turn Signal and Hazard Warning (w/ Daytime Running Light)	8-2
* Garage Door Opener		Turn Signal and Hazard Warning (w/o Daytime Running Light)	9-2
* Headlight		VSC	15-2

