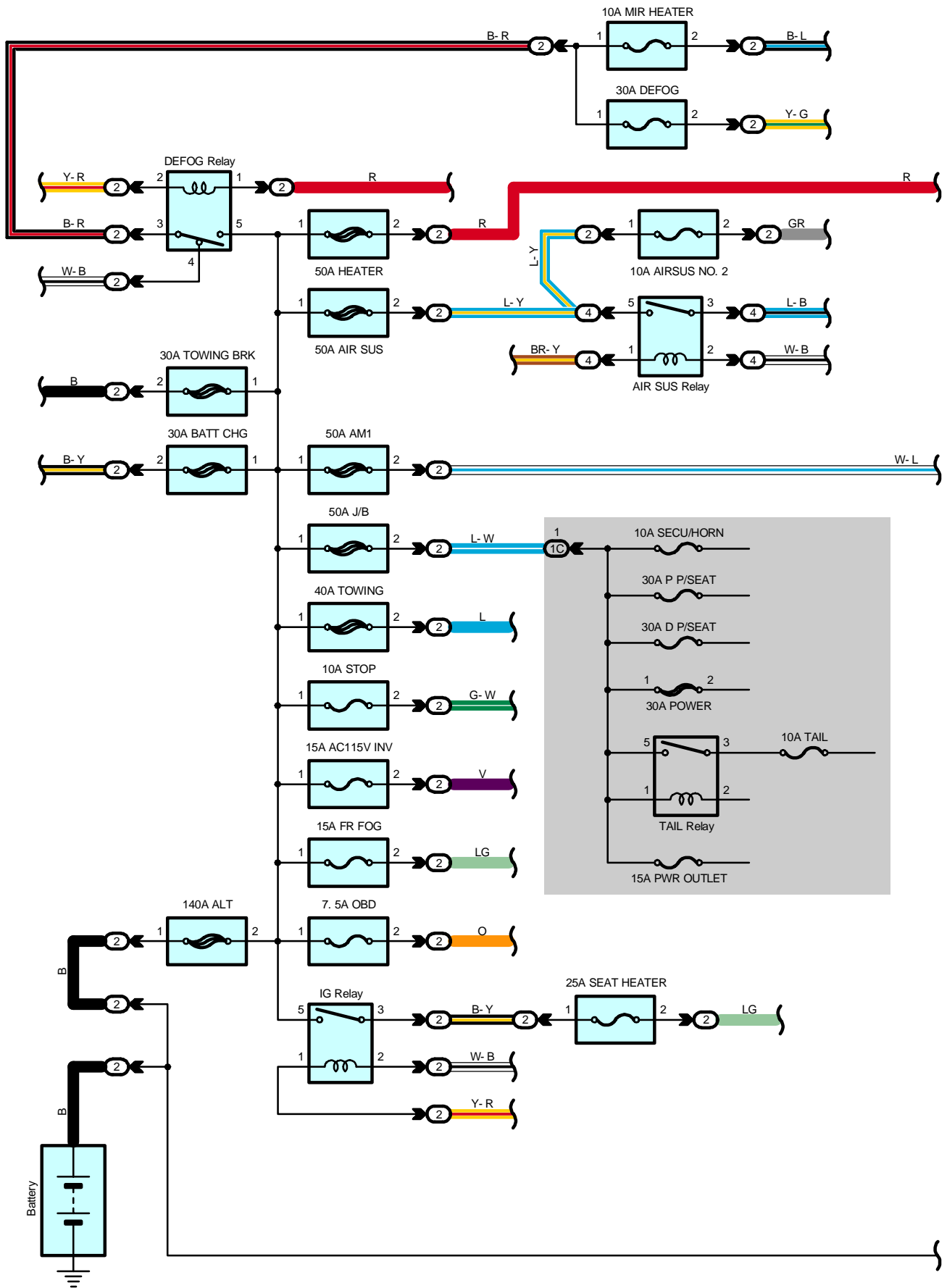
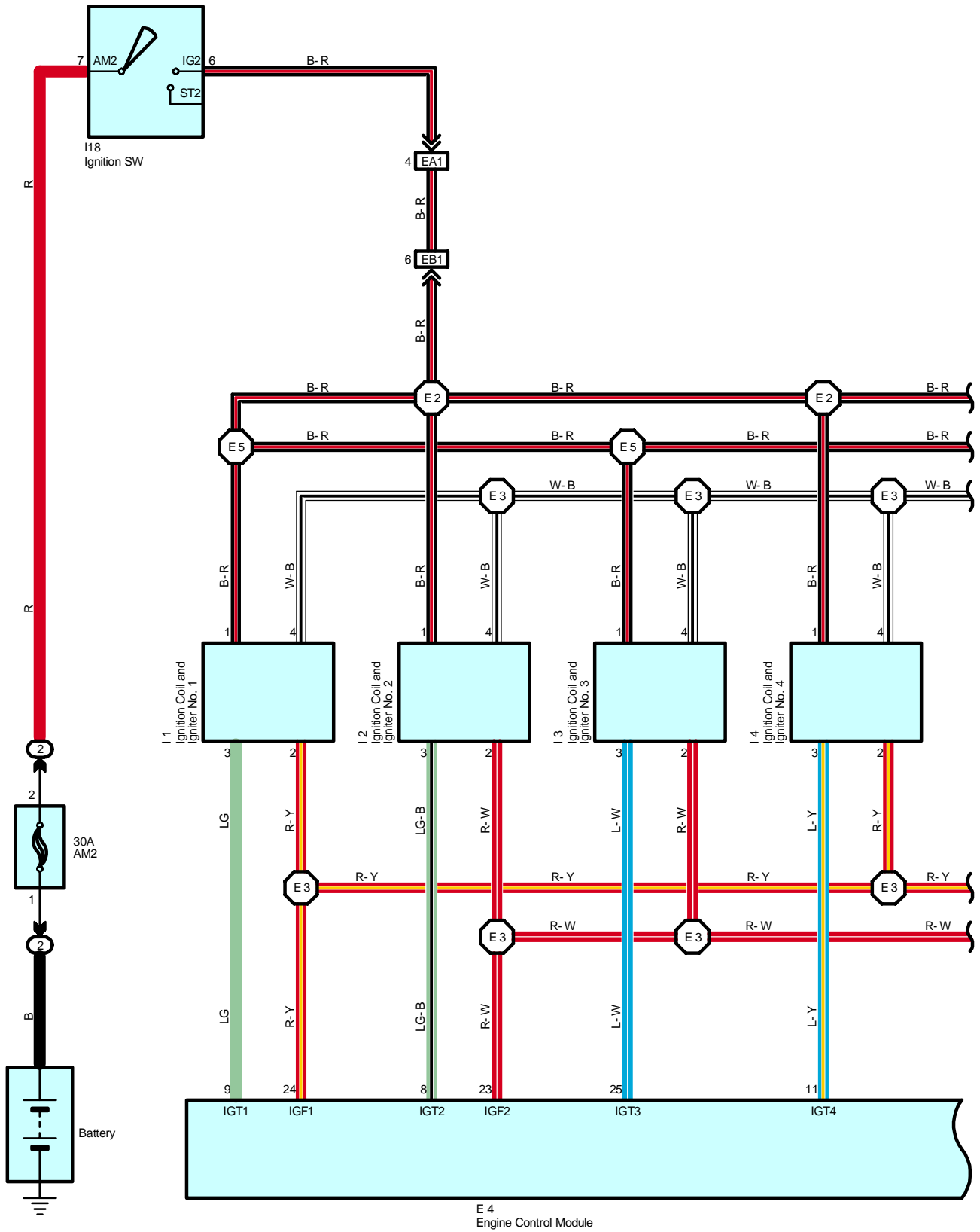


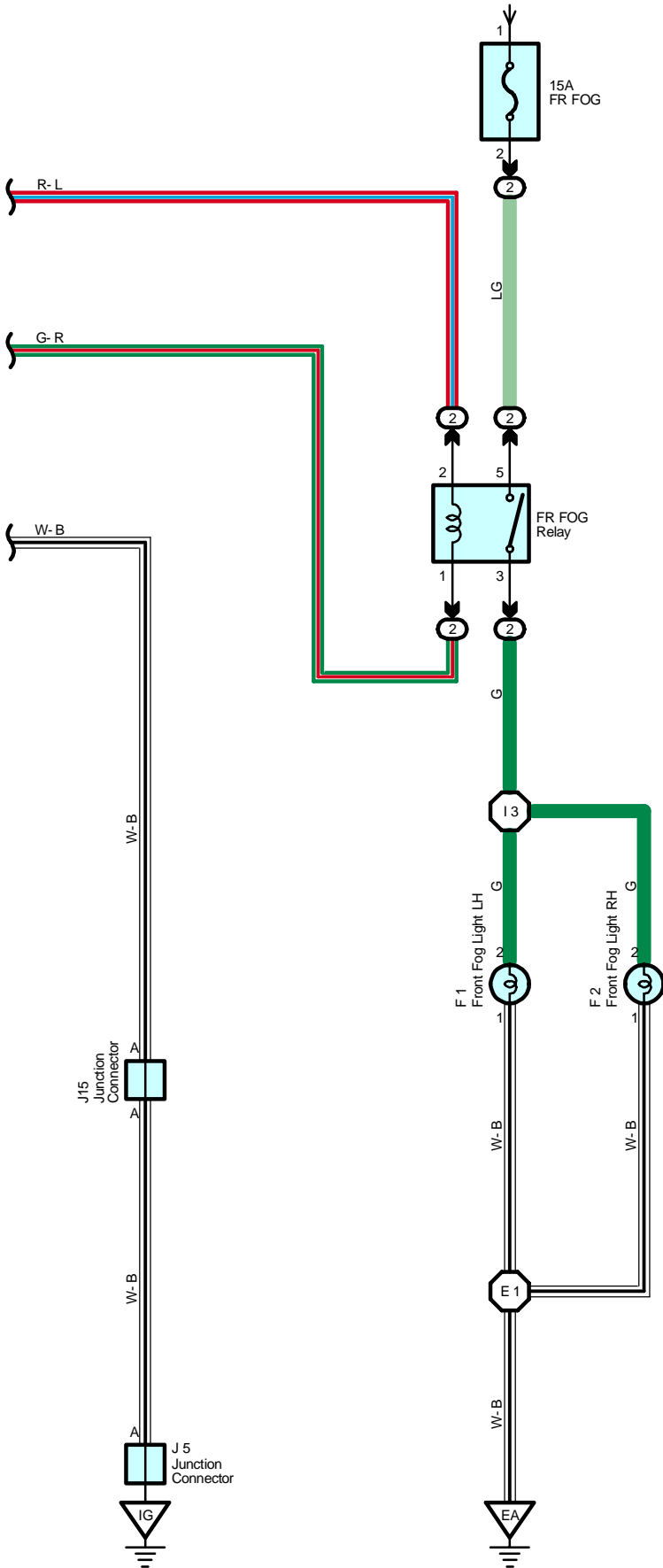
Power Source



Ignition (2UZ-FE)



From Power Source System (See Page 58)



Service Hints

C12 Combination SW

14-16 : Continuity with the light control SW at TAIL or HEAD position

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A22	36	F4	34 (1GR-FE)	J32 B	38
A23	36	F11	37	J37	38
A38	36	G3	37	J39	40
B1	36	H11	37	J40 A	40
B4 A	36	H12	37	J41 B	40
B6 C	36	J5	38	M2	39
B10	40	J7	38	R1 A	39
C7	37	J8 A	38	R2 B	39
C10	37	J9 B	38	R3 C	39
C12	37	J10 A	38	R5 D	39
C13	37	J11 B	38	R10 A	39
C15	37	J14 A	38	R12 B	39
D3	37	J15 B	38	R13	39
D4	37	J16 A	38	R14	41
D5	37	J17 B	38	R15	41
E8	37	J20 A	38	S4	39
F3	32 (2UZ-FE)	J21 B	38	S5	39
	34 (1GR-FE)	J24	38	T7	39
F4	32 (2UZ-FE)	J31 A	38		

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	22	Engine Room R/B (Engine Compartment Left)

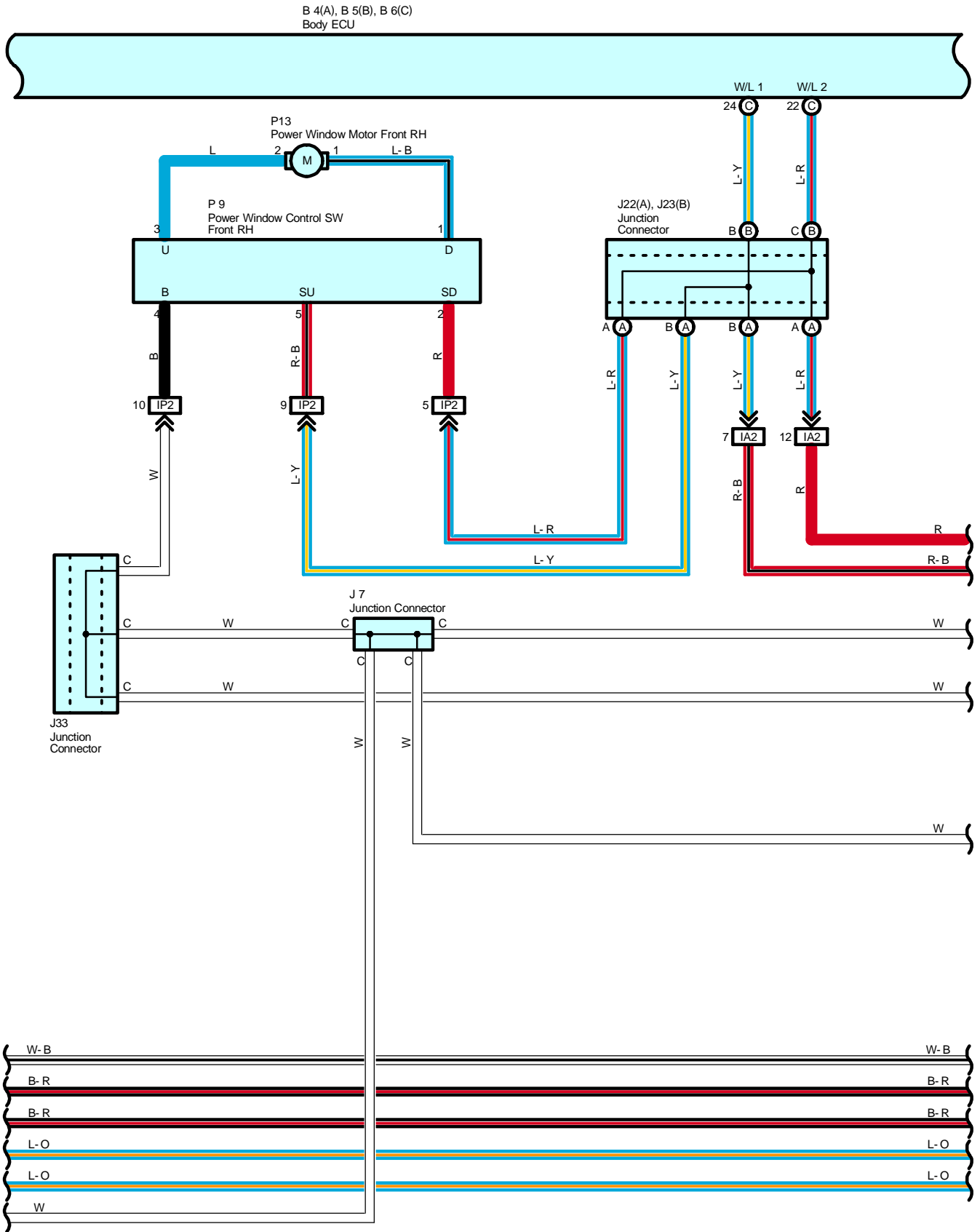
○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	24	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
1C		
1F		
1G	25	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1J		
1L		
3D	28	Instrument Panel Wire and Center J/B (Instrument Panel Brace RH)
3E		
3F		

□ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC4	48	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IH1	50	Instrument Panel Wire and Instrument Panel Wire (Behind the Combination Meter)
II1	50	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IM1	52	Engine Wire and Instrument Panel Wire (Right Side of Blower Unit)
IR1	52	Instrument Panel Wire and Cigarette Wire (Rear Console)
BD1	54	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BH1	54	Back Door No.1 Wire and Back Door No.2 Wire (Left Side of Back Door)

Power Window



 : **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	48	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC3	48	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IC4		
IE1	50	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
IF1	50	Instrument Panel Wire and Relay Wire (Behind the Instrument Panel J/B)
IN1	52	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IO1	52	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IP1	52	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IP2		
BA1	54	Rear Door No.2 Wire and Instrument Panel Wire (Left Center Pillar)
BB1	54	Rear Door No.1 Wire and Instrument Panel Wire (Right Center Pillar)
BD1	54	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)

 : **Ground Points**

Code	See Page	Ground Points Location
IG	48	Left Kick Panel
II	48	Instrument Panel Brace RH
IK	48	Right Kick Panel
BL	54	Floor Seat Crossmember LH
BO	54	Rear Pillar LH

 : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B3	54	Roof Wire			

 : **Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
2	22	Engine Room R/B (Engine Compartment Left)

 : **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	25	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1J		
1K		
1L		
3A	28	Instrument Panel Wire and Center J/B (Instrument Panel Brace RH)
3C		
3D		
3E		

 : **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC3	48	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IC4		
IM1	52	Engine Wire and Instrument Panel Wire (Right Side of Blower Unit)
IM2		

 : **Ground Points**

Code	See Page	Ground Points Location
EB	46 (1GR-FE)	Front Left Fender
EE	46 (1GR-FE)	Rear Side of Right Bank Cylinder Block
EF	46 (1GR-FE)	Rear Side of Left Bank Cylinder Block
IK	48	Right Kick Panel

 : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E8	46 (1GR-FE)	Engine Wire			

Active Height Control Suspension and

System Outline

- * The electric modulated suspension with height control, is a system designed to maintain a constant ride height by means of an electro-pneumatic system in the rear suspension - to cope with change in load due to possible change in the number of people and/or the weight of cargo the vehicle has to carry. With three driver's-choice height-control switches on the console, the driver can set ride height to any one of the three different ride height modes (High, normal and low): "High mode" for rough terrain and "Low mode" for passenger to get on or get off, and for cargo to be loaded or unloaded.
- * This system has five basic controls as shown below:
- * Auto leveling control
This control maintains a constant rear vehicle ride height regardless of change in load due to possible change in the number of passengers and/or the weight of cargo the vehicle has to carry.
- * Ride height switchover control
This control switches over height mode to the mode selected by the height control switch.
 - * High mode (+ 40 mm / 1.6 in.)
 - * Low mode (- 20 mm / 0.8 in.)
- * Speed sensing control
Regardless of the initial height mode setting, "High mode" or "Low mode," this control automatically switches over vehicle height mode to the optimum "Normal mode":
 - * When the vehicle speed reaches or exceeds 30 km/h with height mode set to "High mode," or;
 - * When the vehicle speed reaches or exceeds 5 km/h with height mode set to "Low mode."
- * Subsequent control after ignition switch off
After the ignition switch is turned OFF, this control lowers the rear vehicle ride height to offset rear vehicle ride height elevation due to passengers getting off, etc.
- * Height control OFF control
Pressing the absorber control switch turns the system OFF, making it possible for the vehicle to be jacked up or towed.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A23	36	H13	40	J18 A	38
B5	36	H14	40	J19 B	38
C8 A	37	H15	40	J24	38
C9 B	37	H16	40	J31 A	38
C10 C	37	H17	40	J32 B	38
D1	37	J1	33 (2UZ-FE)	L1	40
D12	40	J2 A	33 (2UZ-FE)	S8	39
D13	40	J3 B	33 (2UZ-FE)	S12	39
D14	40	J4	38	S13 A	39
D15	40	J7	38	S14 B	39
E8	37	J8 A	38	S15 C	39
H12	37	J9 B	38		

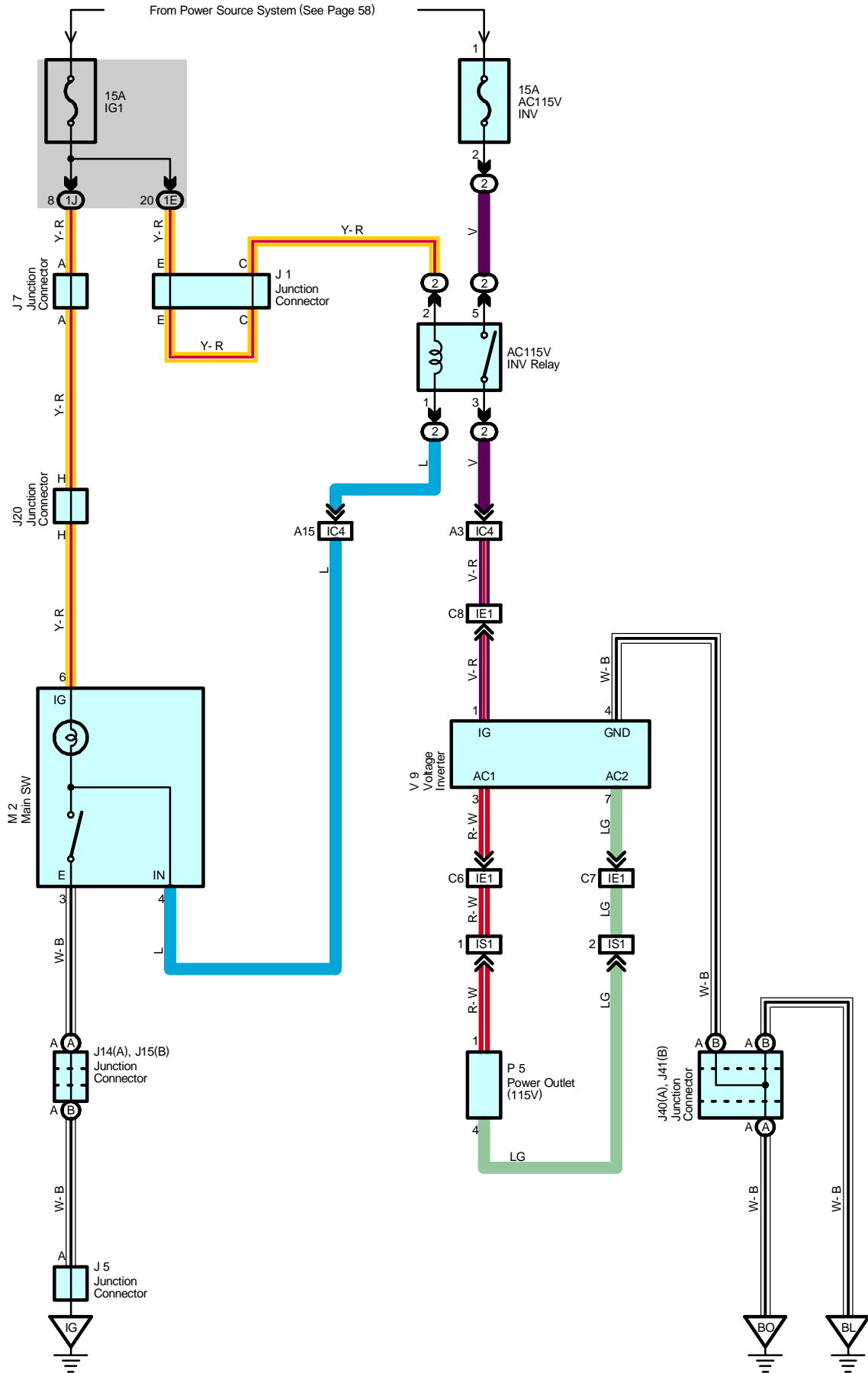
○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	22	Engine Room R/B (Engine Compartment Left)
4	23	Engine Room R/B No.4 (Engine Compartment Left)

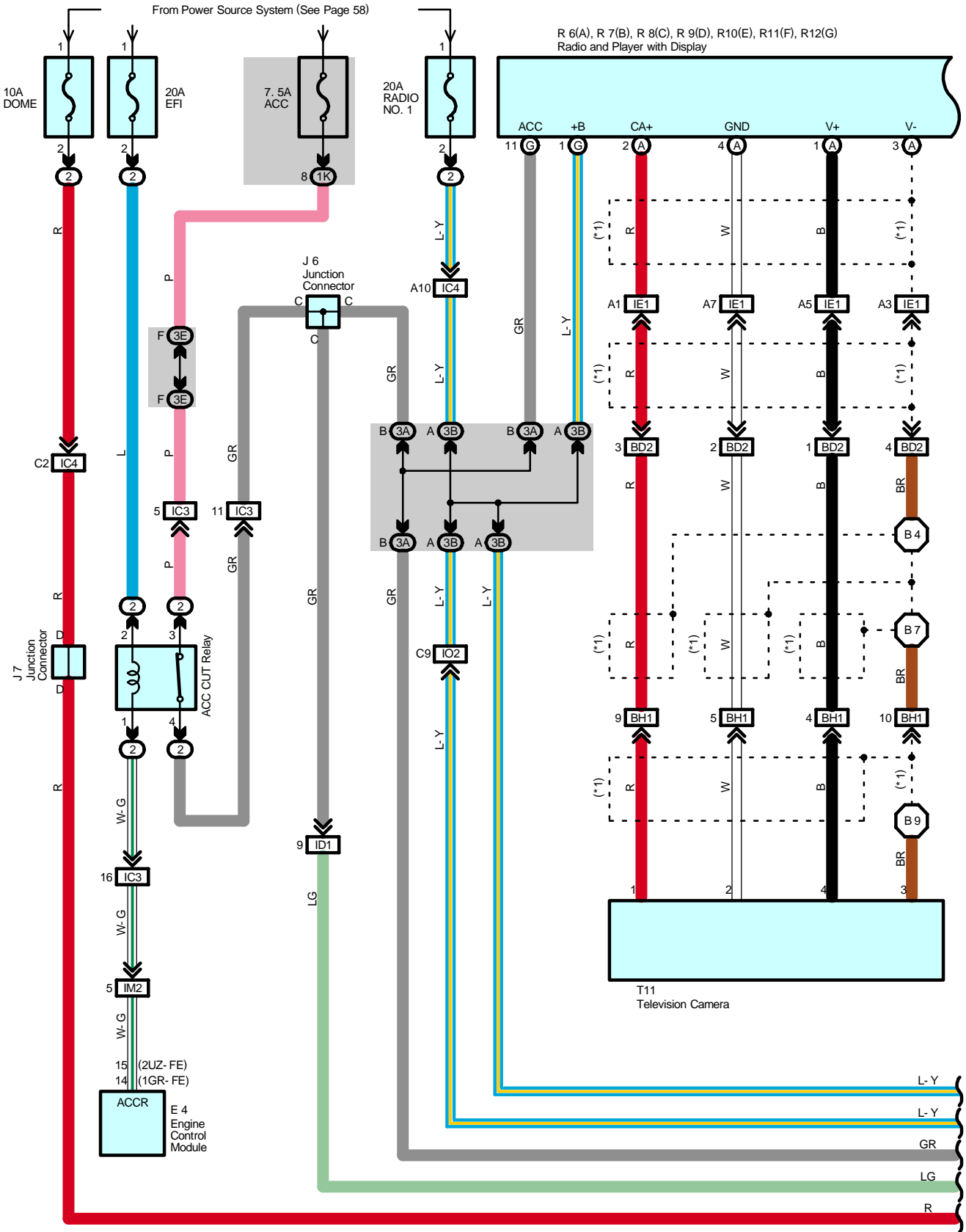
○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	24	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
1G	25	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

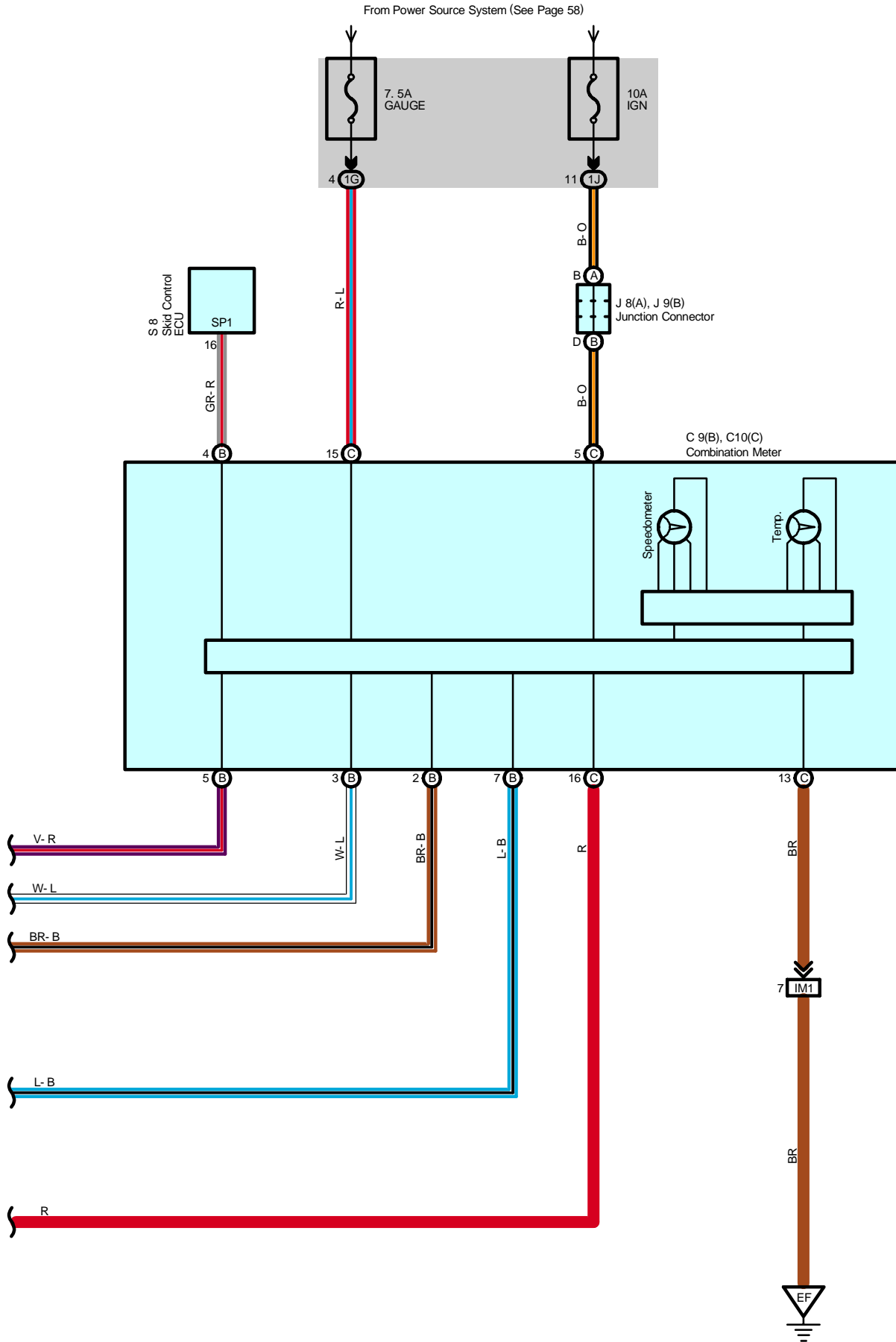
Power Outlet (115V)



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



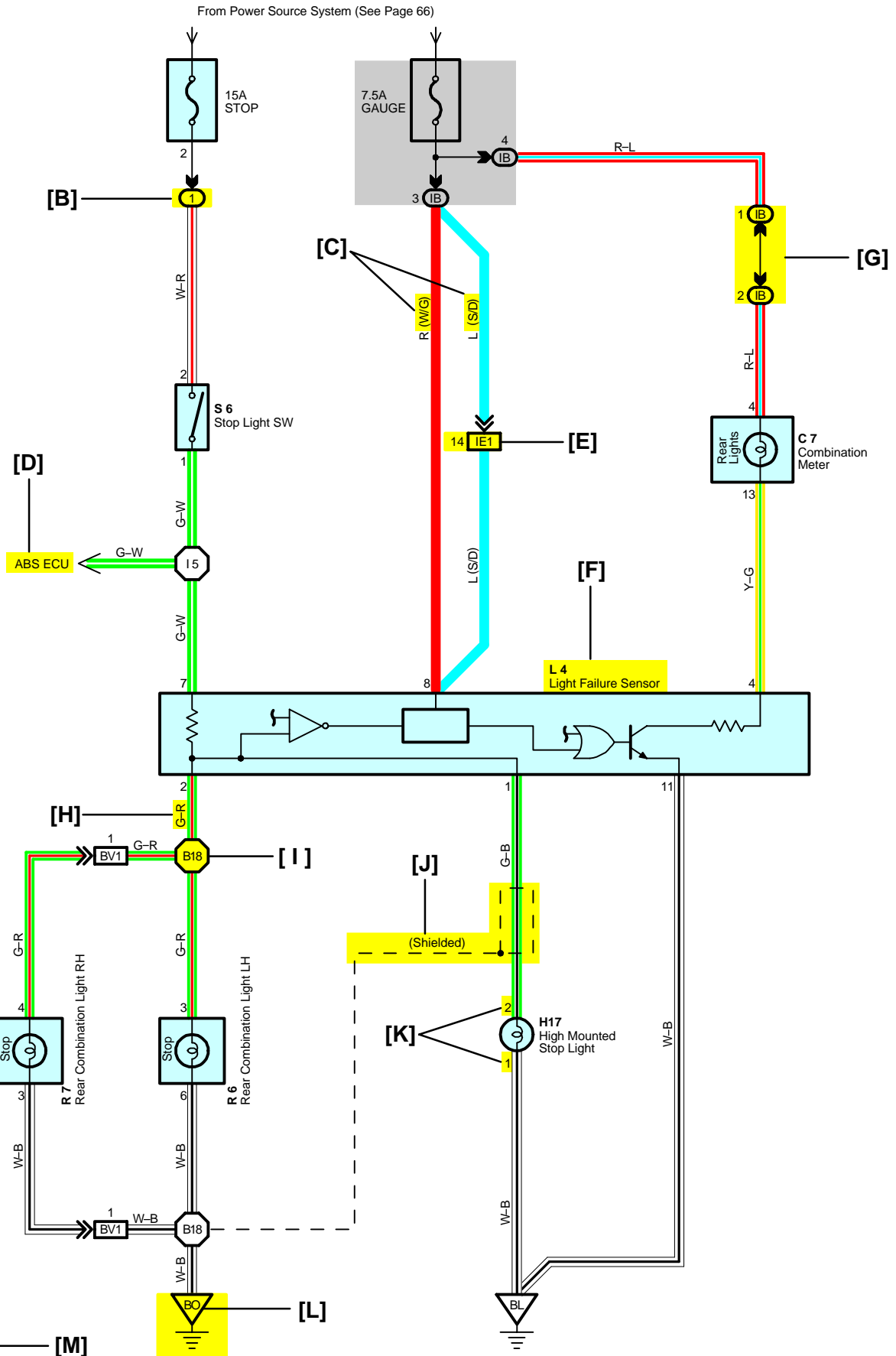
Air Conditioning



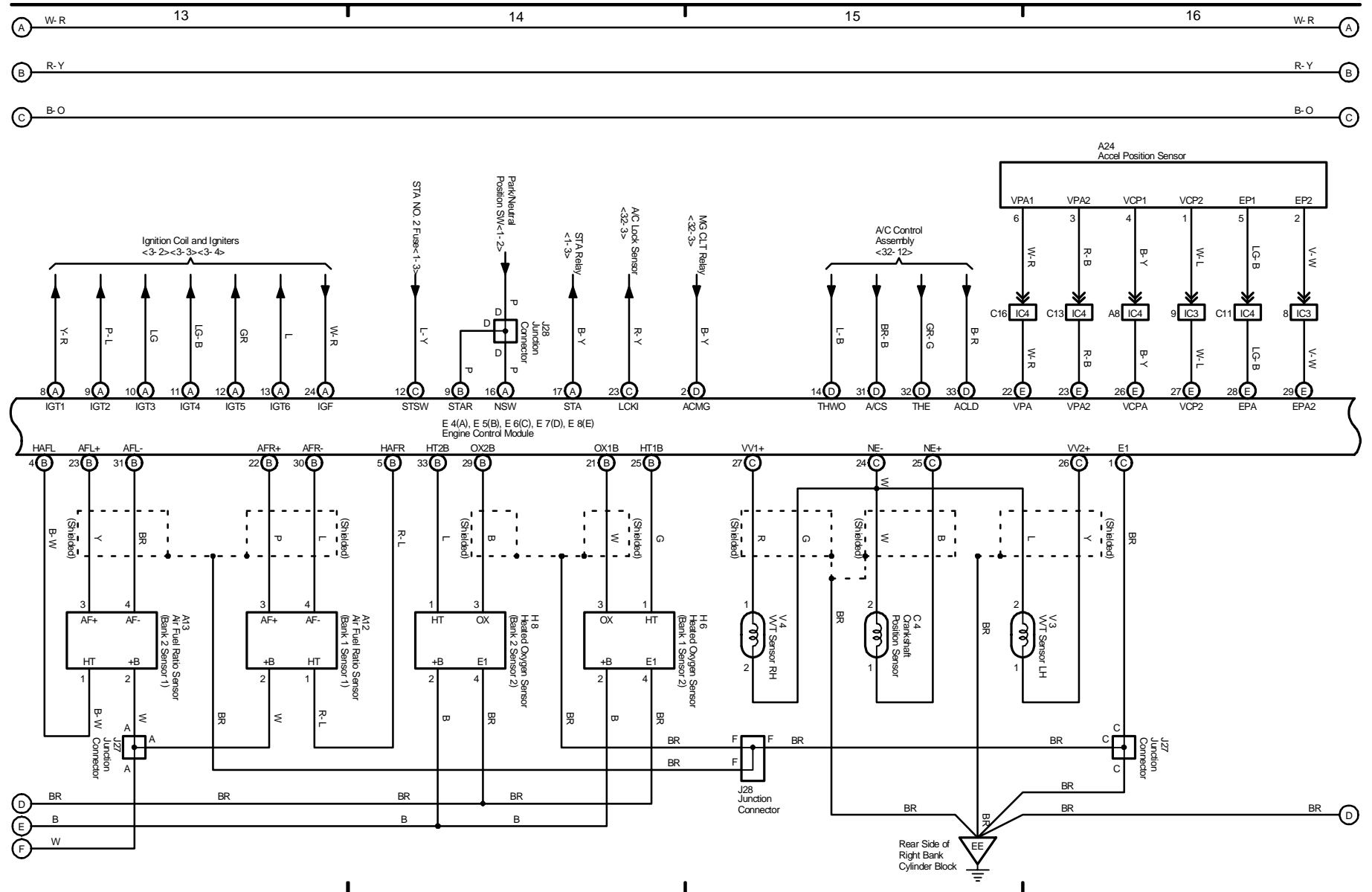
B HOW TO USE THIS MANUAL

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

[A] Stop Light



Engine Control (1GR-FE)



2003 4RUNNER (EWD514U)

M OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

17 4RUNNER

Cruise Control (1GR-FE)

Power Source

