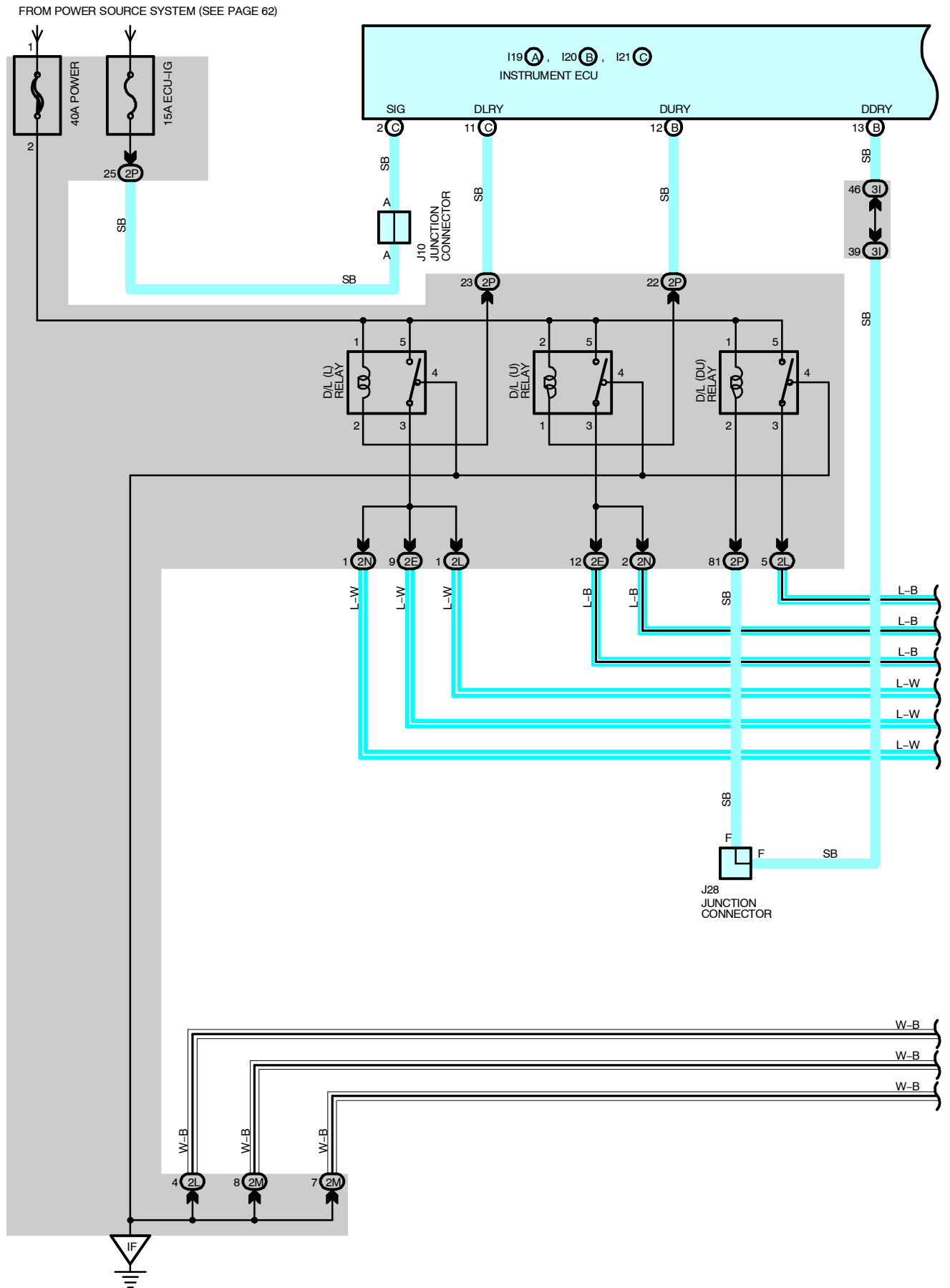
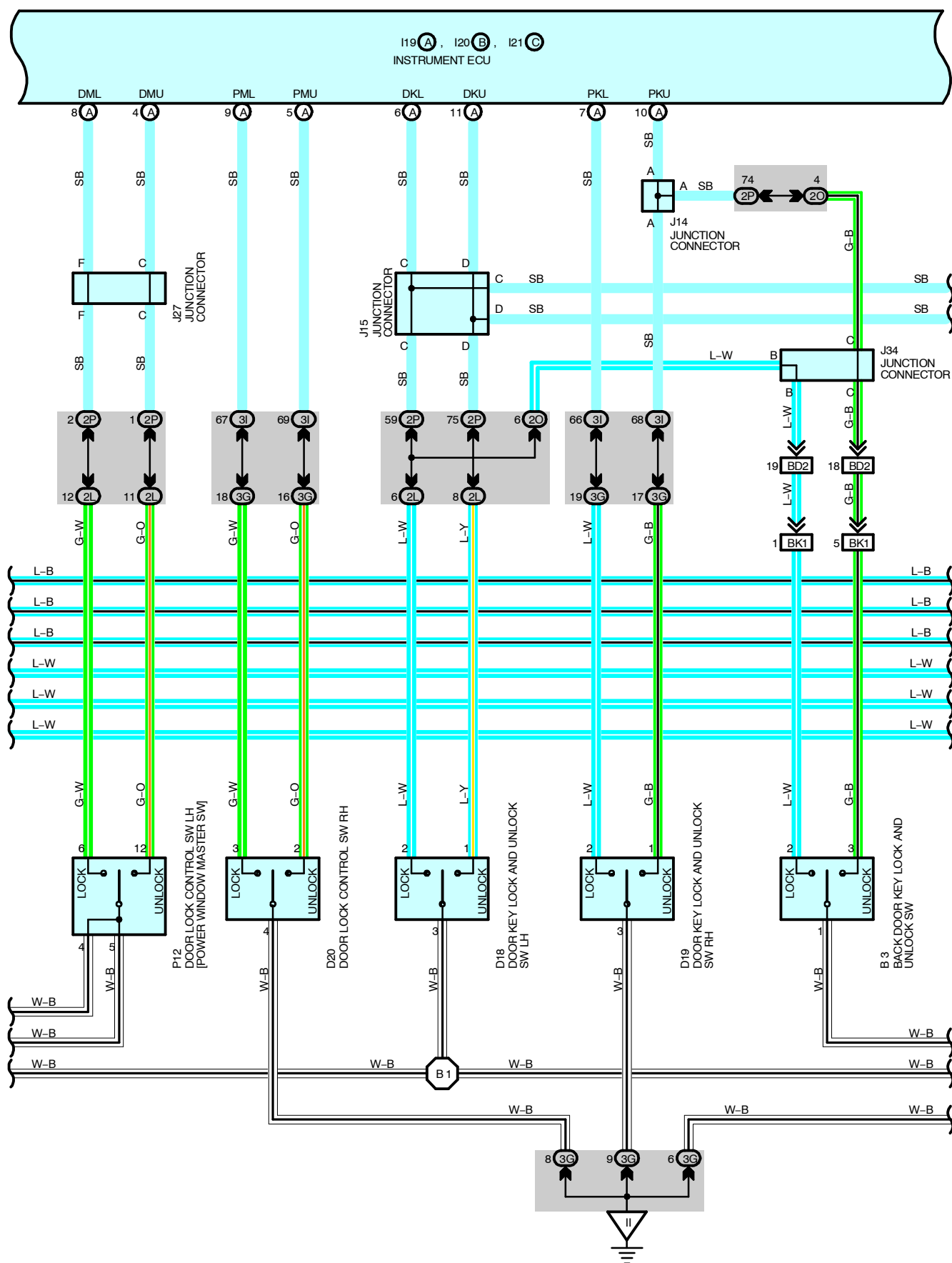
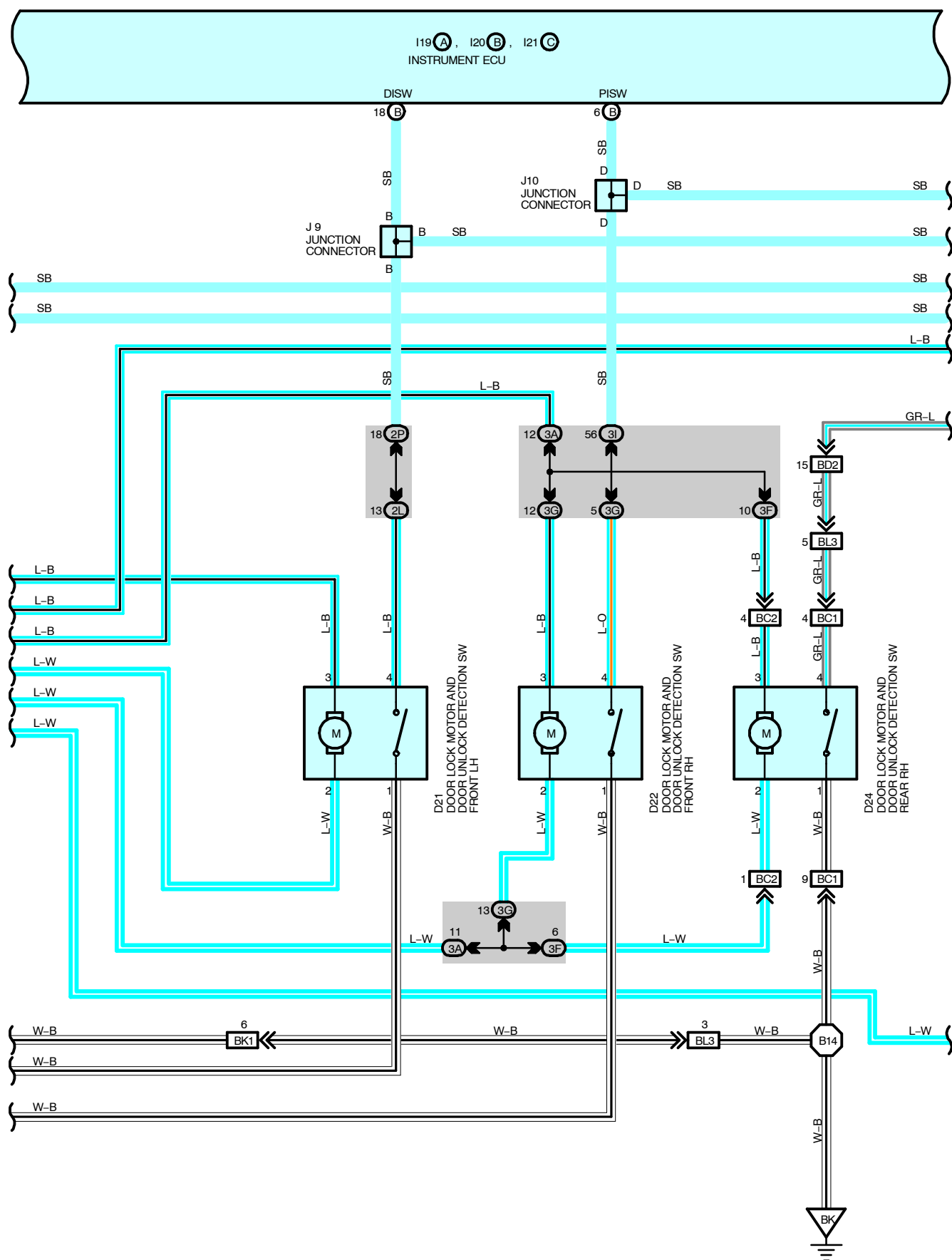


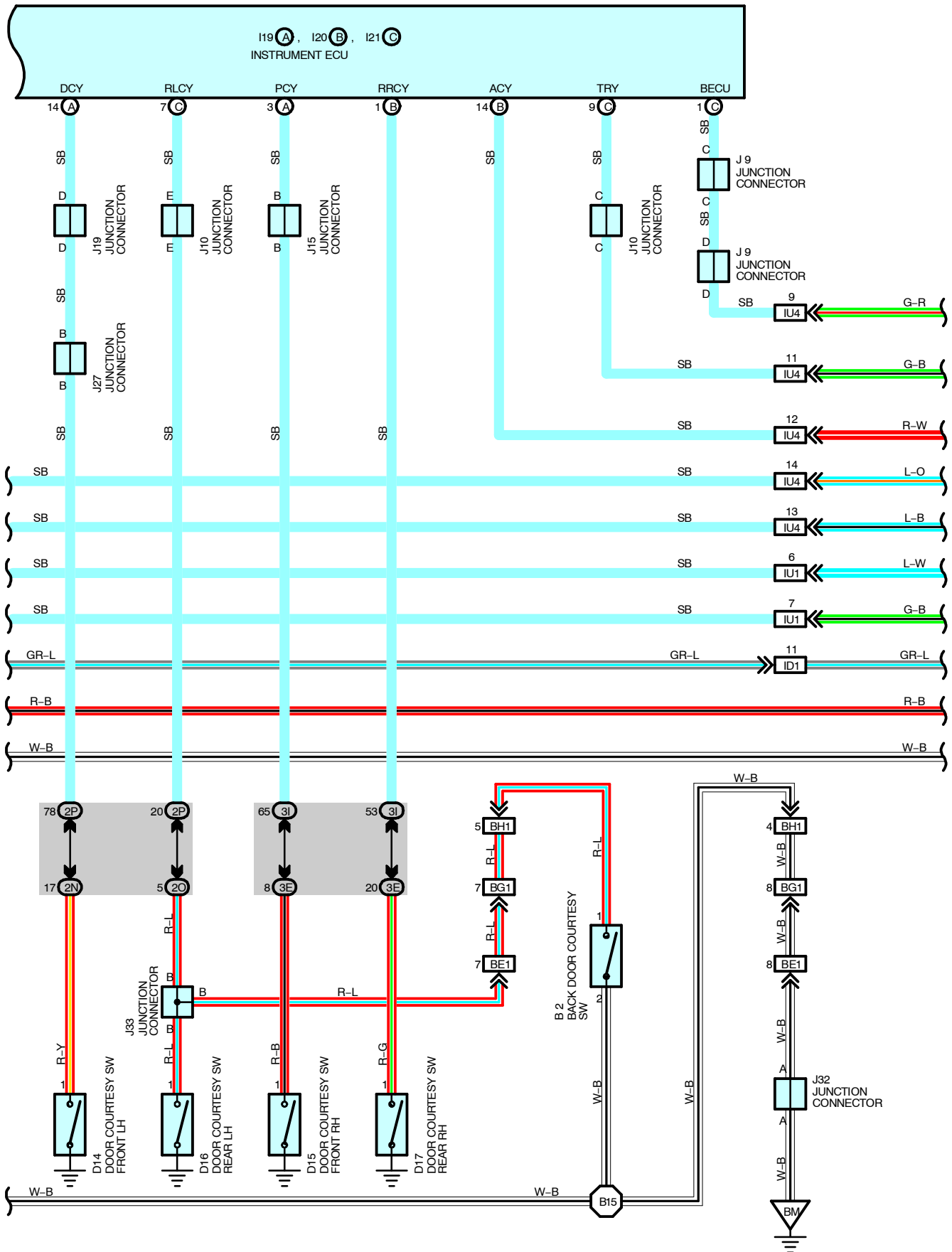
WIRELESS DOOR LOCK CONTROL

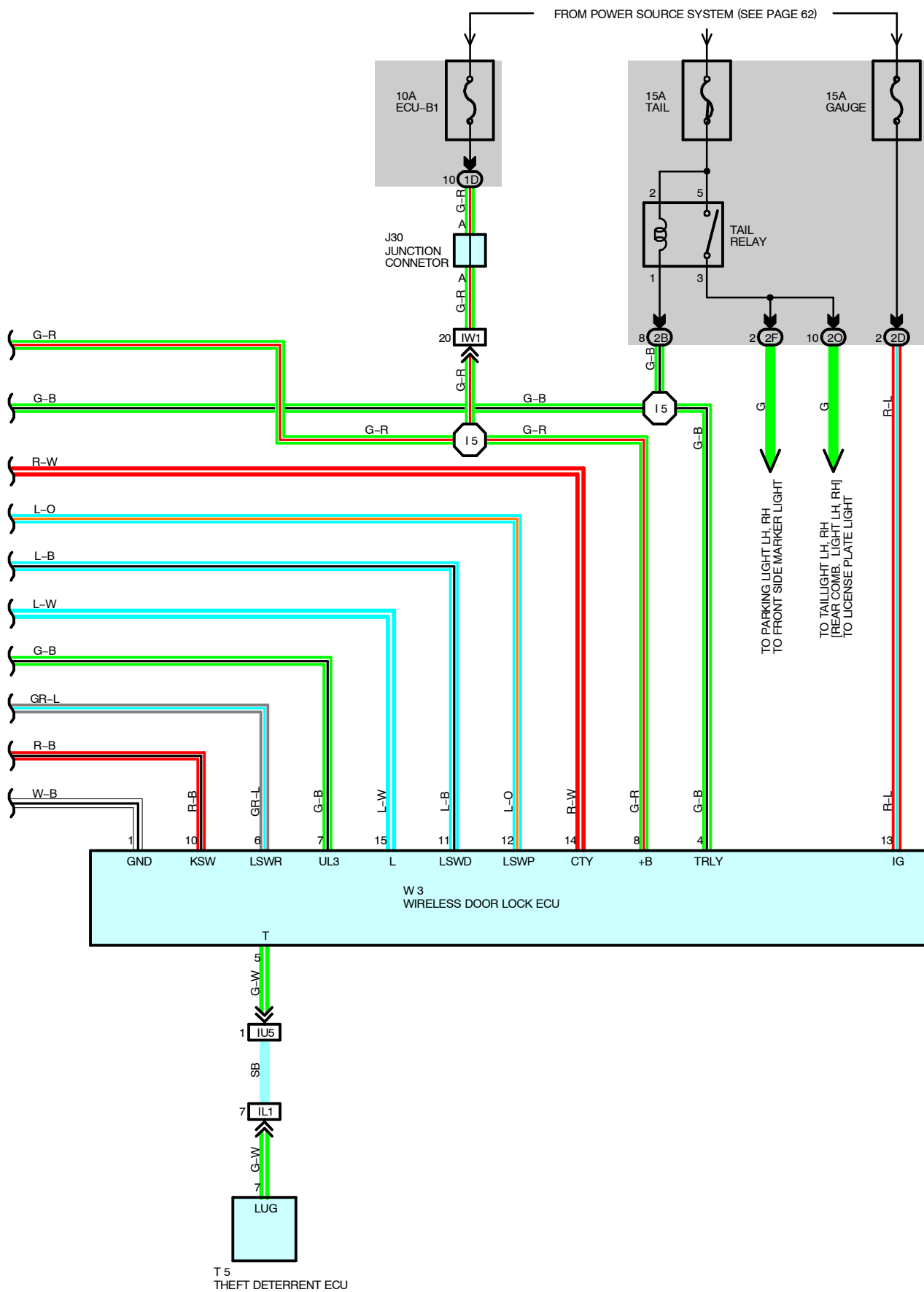






WIRELESS DOOR LOCK CONTROL





WIRELESS DOOR LOCK CONTROL

SYSTEM OUTLINE

In this system, the wireless door lock ECU receives weak radio wave transmitted from the transmitter built-into the ignition key, and outputs a signal to the instrument ECU. Accordingly, all the doors are can be locked and unlocked by remote control.

1. NORMAL OPERATION

- * Lock operation

When the lock SW on the transmitter is pressed, all the doors are locked.

- * Unlock operation

When the unlock SW on the transmitter is pressed once, only the driver door is unlocked. When the unlock SW is pressed again within 3 seconds, all the doors are unlocked.

2. AUTO LOCK FUNCTION

When the door is not actually opened within 30 seconds after the door has been unlocked by the unlock SW on the transmitter, all the doors are automatically locked. If any of the following conditions are detected, the wireless door lock does not function.

- * Any door is opened.

- * The ignition key is inserted into the ignition SW.

- * When the unlock detection SW of all the doors are locked.

3. WIRELESS DOOR LOCK STOP FUNCTION

If any of the following conditions are detected, the wireless door lock does not function.

Lock operation

- * When any door is open (Door courtesy SW on)

- * The ignition key is inserted into the ignition SW (Unlock warning SW on)

- * Ignition SW is on

Unlock operation

- * Ignition SW is on

4. VISUAL CONFIRMATION OF LOCK OR UNLOCK

During lock operation, when the wireless door lock ECU receives a lock signal from the door unlock detection SW, the taillight and parking light is flashed once. During unlock operation, when the wireless door lock ECU receives an unlock signal from the door unlock detection SW, the taillight and parking light is flashed twice.

5. PANIC MODE FUNCTION

When the panic SW on the transmitter is pressed, the wireless door lock ECU receives a signal and enters the panic mode. The signal input into the theft deterrent ECU from the wireless door lock ECU turns on the theft deterrent horn, and flashes the taillight and headlight. When the panic SW or the unlock SW of the transmitter is pressed during the panic mode, the panic mode is canceled, and the theft deterrent horn stops, and the taillight and headlight are turned off.

6. REPEAT FUNCTION

If the lock detection signal in response to the output signal is not received after the wireless door lock ECU has output the lock signal, the lock signal is output again.

SERVICE HINTS

W3 WIRELESS DOOR LOCK ECU

- 1-GROUND : Always continuity
- 8-GROUND : Always approx. **12** volts
- 13-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position

D21, D22, D23, D24 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW FRONT LH, RH, REAR LH, RH

- 2-GROUND : Approx. **12** volts with door lock motor at lock operation
- 3-GROUND : Approx. **12** volts with door lock motor at unlock operation

B4 BACK DOOR LOCK MOTOR AND BACK DOOR UNLOCK DETECTION SW

- 2-GROUND : Approx. **12** volts with door lock motor at lock operation
- 3-GROUND : Approx. **12** volts with door lock motor at unlock operation

I19 (A), I20 (B), I21 (C) INSTRUMENT ECU

- (A) 3-GROUND : Continuity with front passenger door open
- (A) 14-GROUND : Continuity with driver door open
- (B) 1-GROUND : Continuity with rear RH door open
- (C) 7-GROUND : Continuity with rear LH door or back door open
- (C) 1-GROUND : Always approx. **12** volts
- (C) 2-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
- (C) 4-GROUND : Always continuity

D14, D15, D16, D17 DOOR COURTESY SW FRONT LH, RH, REAR LH, RH

- 1-GROUND : Closed with door open

B2 BACK DOOR COURTESY SW

- 1-2 : Closed with back door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B2	40	D23	40	J26	39
B3	40	D24	40	J27	39
B4	40	I19	A 38	J28	39
D14	40	I20	B 38	J29	39
D15	40	I21	C 38	J30	39
D16	40	J1	39	J32	40
D17	40	J9	39	J33	40
D18	40	J10	39	J34	40
D19	40	J14	39	P12	41
D20	40	J15	39	T5	39
D21	40	J17	39	U1	39
D22	40	J19	39	W3	39

WIRELESS DOOR LOCK CONTROL



: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	21	Engine Room No.2 Wire and Engine Room J/B (Engine Compartment Left)
2B	24	Dash Wire and Cowl Side J/B LH (Left Kick Panel)
2D		
2E	24	Engine Room No.2 Wire and Cowl Side J/B LH (Left Kick Panel)
2F		
2L	24	Front Door LH Wire and Cowl Side J/B LH (Left Kick Panel)
2M		
2N	24	Floor Wire and Cowl Side J/B LH (Left Kick Panel)
2O		
2P	26	Instrument Panel Integration Wire and Cowl Side J/B LH (Left Kick Panel)
3A	30	Engine Room No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3E	30	Floor No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3F		
3G	30	Front Door RH Wire and Cowl Side J/B RH (Right Kick Panel)
3I	30	Instrument Panel Integration Wire and Cowl Side J/B RH (Right Kick Panel)



: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	46	Dash Wire and Floor Wire (Left Kick Panel)
IL1	48	Instrument Panel Integration Wire and Computer Wire (Instrument Panel Center)
IU1	50	Instrument Panel Integration Wire and Dash Wire (Behind the Glove Box)
IU4		
IU5		
IW1	52	Engine Room No.2 Wire and Dash Wire (Behind the Glove Box)
BA1	54	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BA2		
BC1	54	Rear Door RH Wire and Floor No.2 Wire (Right Side of Center Pillar)
BC2		
BD2	54	Floor No.3 Wire and Floor Wire (Left Rear Side Quarter Panel)
BE1	54	Luggage Room Wire and Floor Wire (Left Rear Side Quarter Panel)
BG1	56	Pillar No.1 Wire and Luggage Room Wire (Left Rear Side Roof Panel)
BH1	56	Pillar No.1 Wire and Back Door Upper Wire (Left Side of Back Door)
BH2		
BK1	56	Back Door Lower Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)
BL3	56	Floor No.2 Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)



: GROUND POINTS

Code	See Page	Ground Points Location
IF	46	Set Bolt of Cowl Side J/B LH
IH	46	Set Bolt of Cowl Side J/B RH
II		
BJ	54	Under the Driver's Seat
BK	54	Front Side Under the Front Passenger's Seat
BM	54	Left Rear Side Quarter Panel



: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	48	Dash Wire	B6	56	Floor Wire
I8			B14	56	Floor No.2 Wire
B1	56	Front Door LH Wire	B15	56	Back Door Upper Wire
B5	56	Floor Wire			

J33
BLUE

A diagram of a 10-bit shift register. It consists of a horizontal row of 10 square cells, each containing the letter 'A'. Above the cells are two input lines, and below them are two output lines, indicating a bidirectional shift capability.

A diagram of a 10-bit shift register. It consists of a horizontal row of 10 square cells, each containing the letter 'A'. Above the cells is a single input line with a small rectangular block in the center. Below the cells is a single output line with a small rectangular block in the center.

A diagram of a memory unit consisting of 10 slots. The first four slots contain the letter 'A', the next three slots contain the letter 'B', and the last three slots contain the letter 'C'.

A drawing of a calculator. The display shows the number 12, followed by 4, 5, and 6. The calculator has a numeric keypad and several function buttons.

The diagram shows a 16-bit ALU. It consists of two 8-bit registers (A and B) and an 8-bit ALU unit. The registers are labeled with numbers 1 through 15, representing the 16 bits. The ALU unit is labeled with numbers 1 through 7, representing the 8 bits. The registers are connected to the ALU unit via multiplexers. The ALU unit performs operations on the data from the registers.

