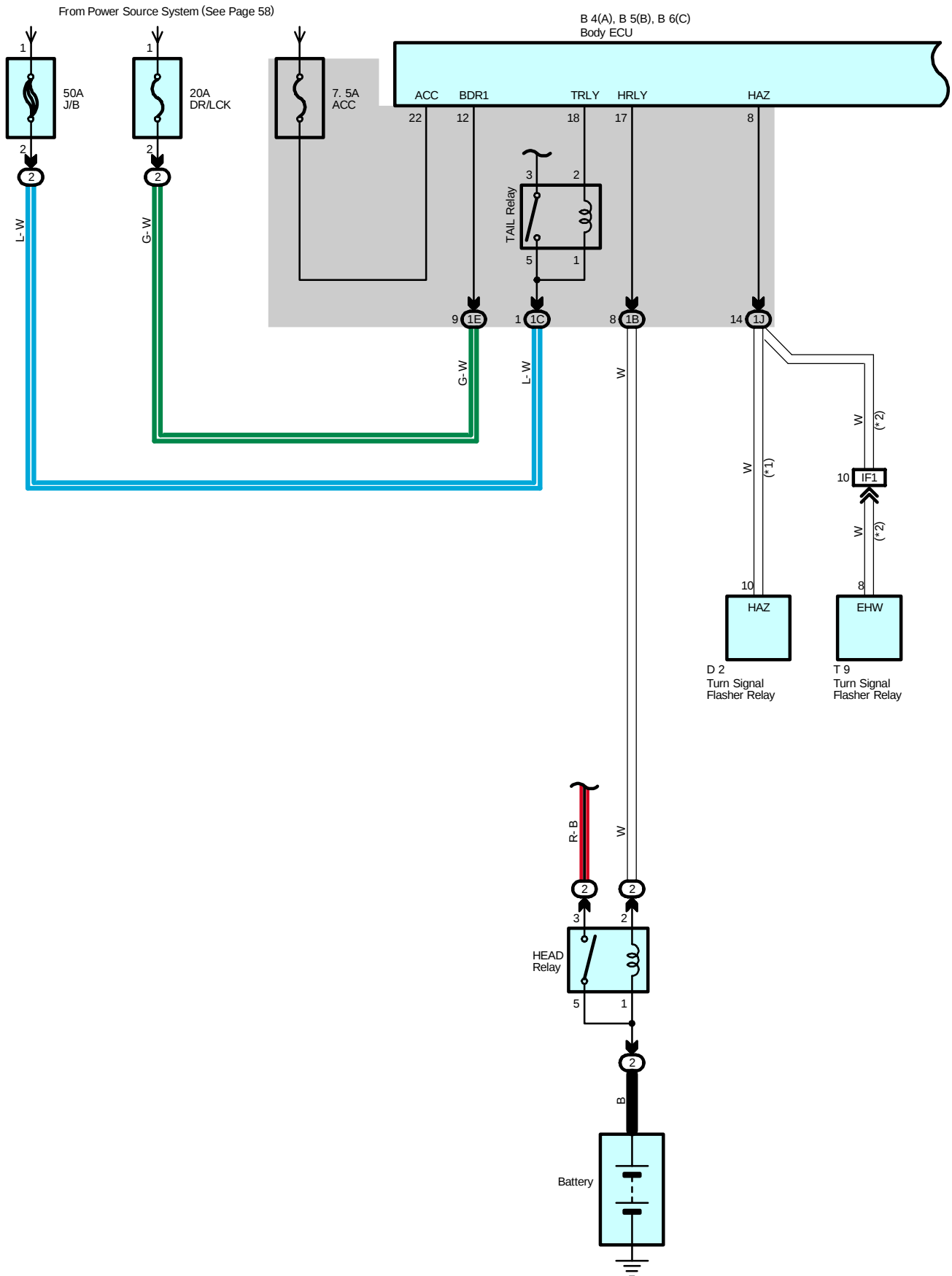
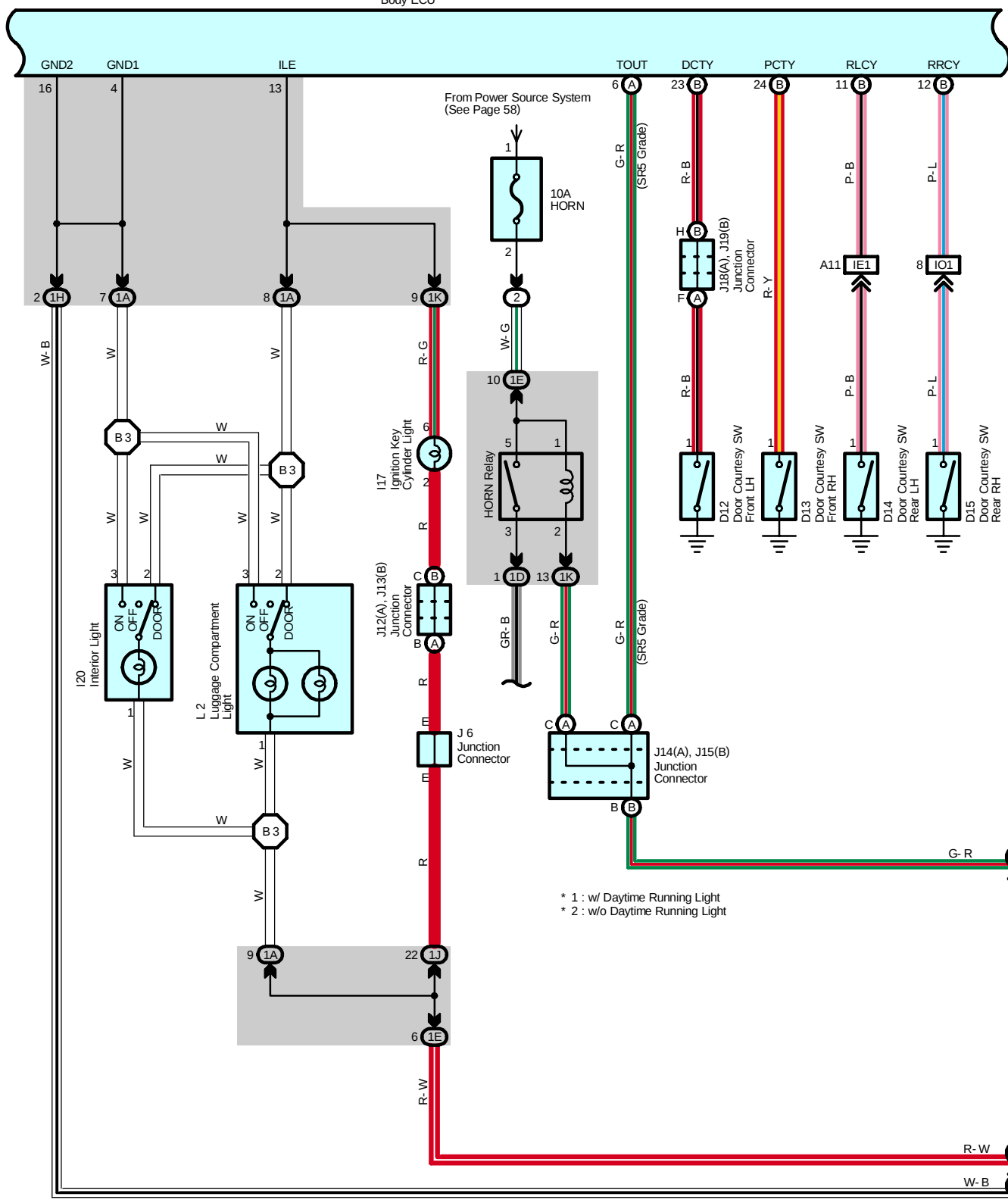


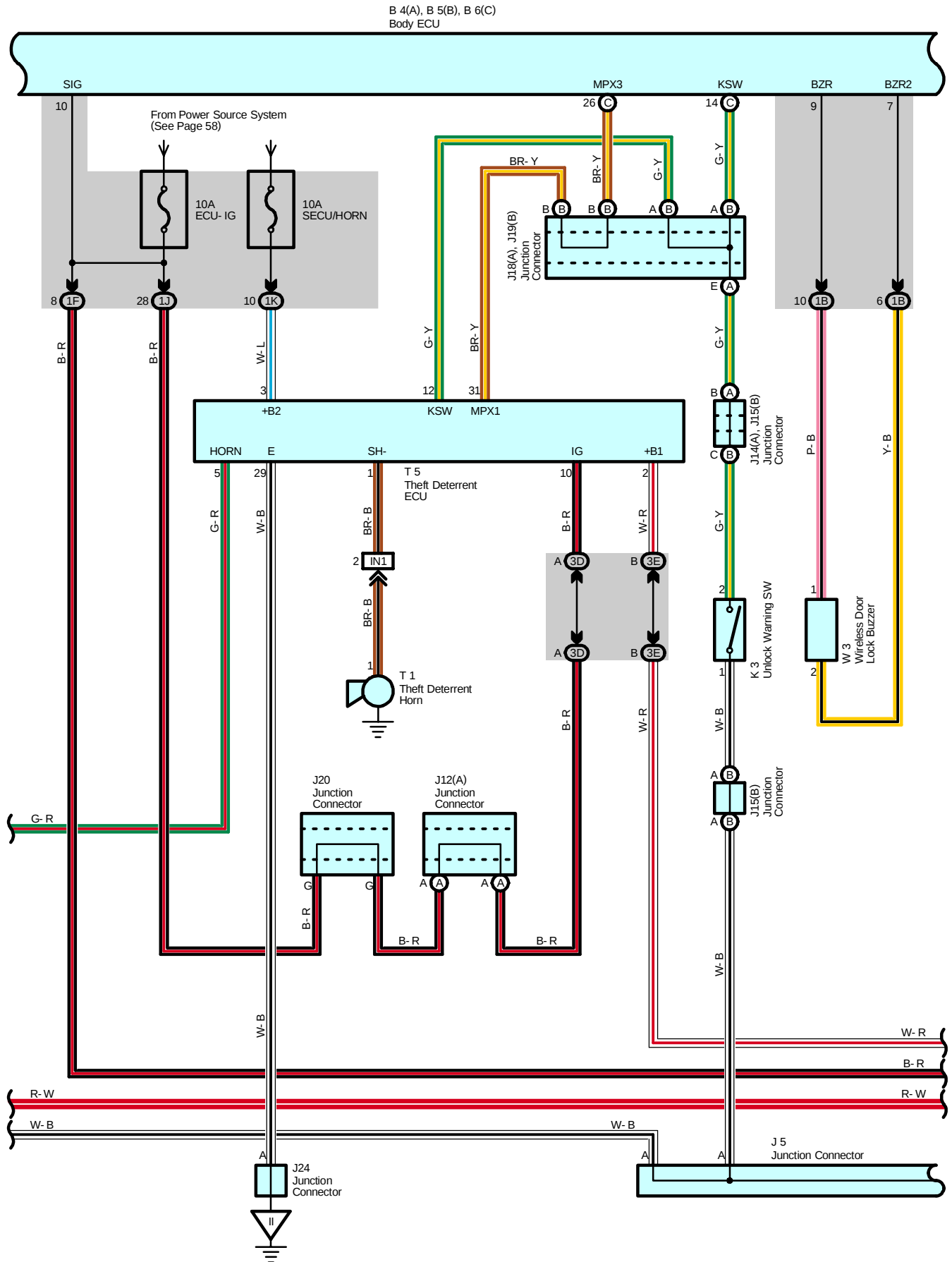
Wireless Door Lock Control



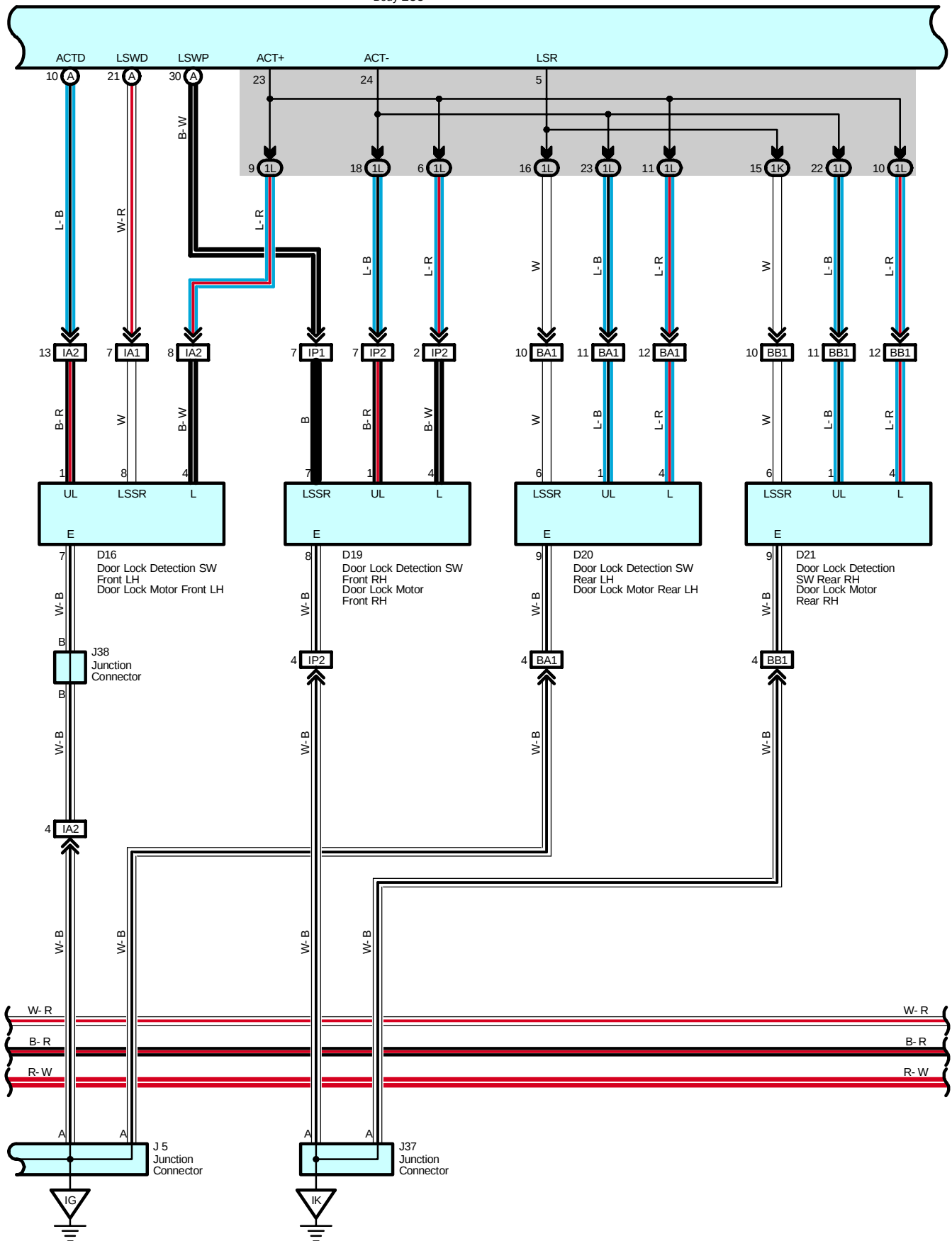
B 4(A), B 5(B), B 6(C)
Body ECU

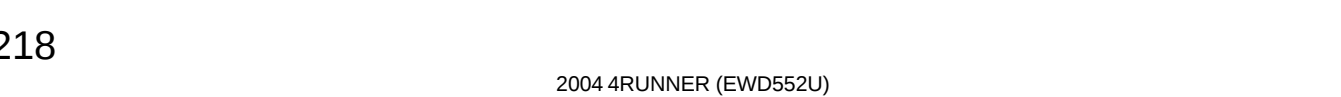


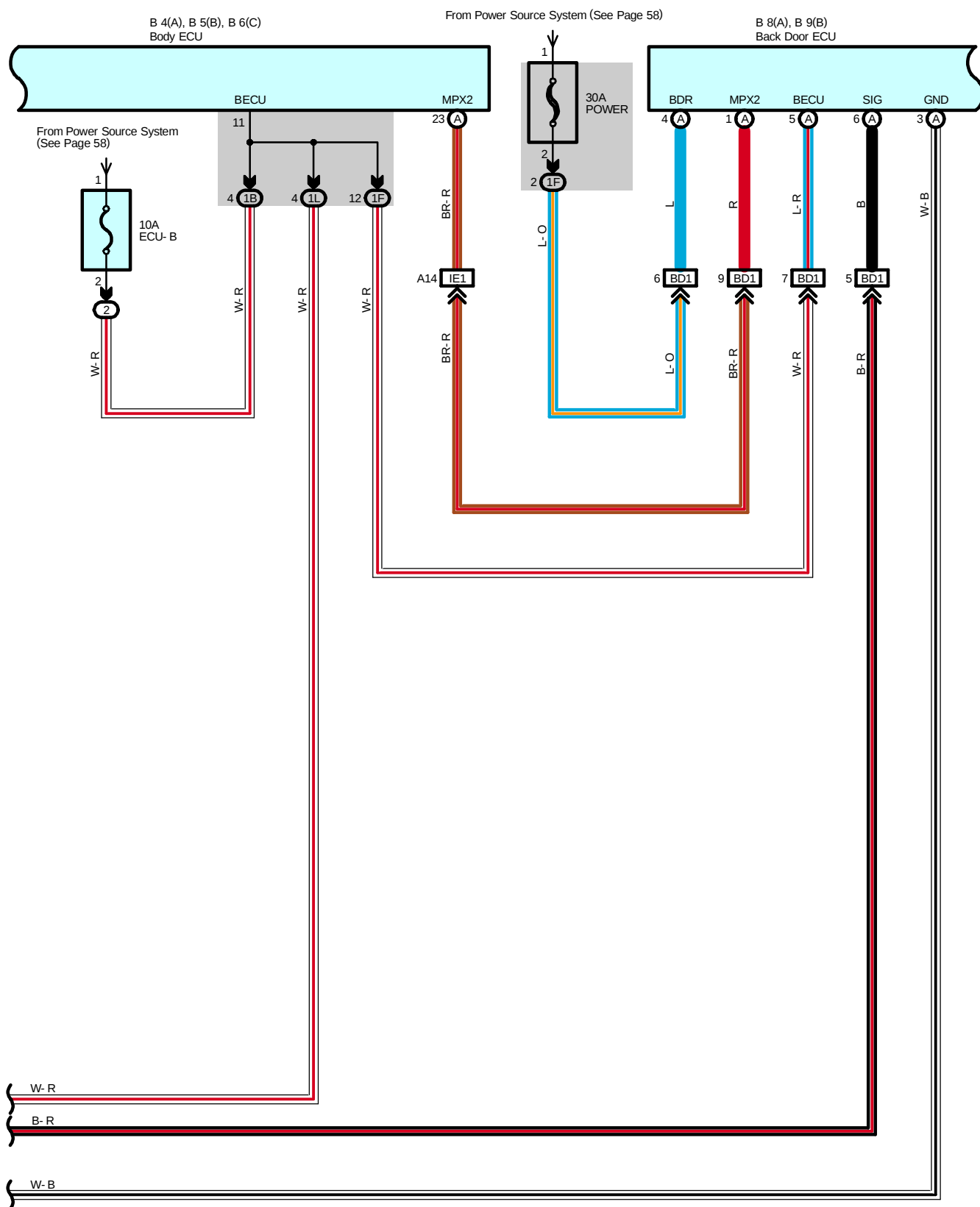
Wireless Door Lock Control



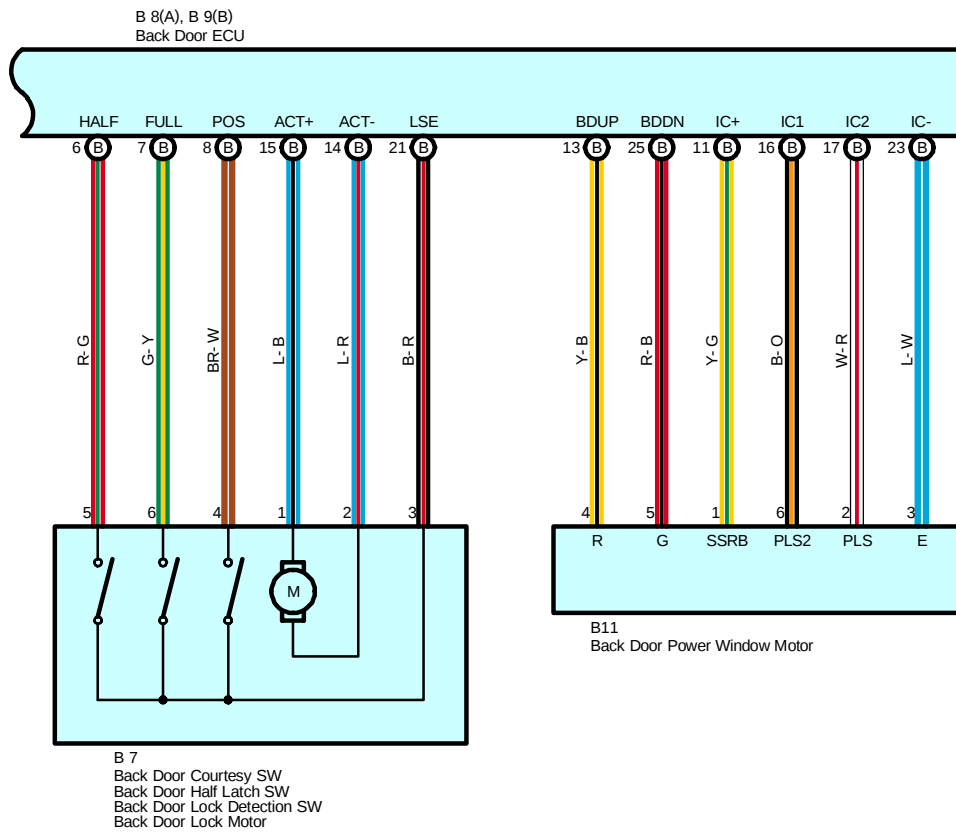
B 4(A), B 5(B), B 6(C)
Body ECU







Wireless Door Lock Control



System Outline

Door lock control (Lock and unlock), back window control (Back window open) and panic control (Theft alarm and flash) is performed by remote control, without the ignition key inserted in the door key cylinder, using low-power electrical waves emitted by a transmitter.

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 lock 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. Buzzer Sound Function

During lock operation, when the body ECU receives a lock signal from the door lock detection SW, the wireless door lock buzzer goes on once. During unlock operation, when the body ECU receives an unlock signal from the door lock detection SW, the wireless door lock buzzer goes on twice.

With any door open, when the body ECU receives a lock signal from the transmitter, the wireless door lock buzzer goes on for approx. 10 seconds. If the door is closed, or ignition SW is on, or if the unlock signal is received from the transmitter while the buzzer is on, the buzzer stops.

5. Visual Confirmation of Lock or Unlock

During lock operation, when the body ECU receives a lock signal from the door lock detection SW, the turn signal light is flashed once. During unlock operation, when the body ECU receives an unlock signal from the door lock detection SW, the turn signal light is flashed twice.

6. Remote Panic Operation

Panic will function when doors are locked or unlocked, open or closed. When the panic button (Transmitter) is pushed once, interior lights light up, and theft alarm and horn sounds and turn signal light, headlights and taillight flash. Then, the panic or the unlock button (Transmitter) is pushed once more, interior lights are turned off, sounding and flashing will stop. Panic will not function when ignition key is in ignition key cylinder.

7. Repeat Function

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

8. Buzzer Volume Control

The volume of the wireless door lock buzzer can be set among 5 steps by operating the transmitter, when the ignition SW is off, any door open, and the ignition key is not in the ignition key cylinder.

9. Back Window Control

When the ignition SW is off, the ignition key is not inserted into the ignition key cylinder, the back window can be opened by pressing the back window open SW of the transmitter for approximately 0.8 seconds. At that time, the wireless door lock buzzer beeps once.

10. Illuminated Entry Function

When the body ECU detects the unlock state after the unlock operation has been made, it turns on the lights, such as the ignition key cylinder light and interior light for approx. 15 sec. If all the doors are locked during this operation, lighting is cancelled and the lights immediately fade out.

Wireless Door Lock Control

Service Hints

Body ECU

- 11, 12-Ground : Always approx. 12 volts
- 10-Ground : Approx. 12 volts with ignition SW at ON position
- 22-Ground : Approx. 12 volts with ignition SW at ACC or ON position
- 4, 16-Ground : Always continuity

B8 (A) Back Door ECU

- (A) 4, (A) 5-Ground : Always approx. 12 volts
- (A) 6-Ground : Approx. 12 volts with ignition SW at ON position
- (A) 3-Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B4	A 36	D16	40	J20	38
B5	B 36	D19	40	J24	38
B6	C 36	D20	40	J37	38
B7	40	D21	40	J38	40
B8	A 40	I17	37	J40	A 40
B9	B 40	I20	40	J41	B 40
B11	40	J5	38	K3	39
C8	A 37	J6	38	L2	40
C10	C 37	J7	38	T1	33 (2UZ-FE)
D2	37	J12	A 38		35 (1GR-FE)
D7	40	J13	B 38	T5	39
D12	40	J14	A 38	T9	39
D13	40	J15	B 38	W3	33 (2UZ-FE)
D14	40	J18	A 38		35 (1GR-FE)
D15	40	J19	B 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)
1A	24	Roof Wire and Driver Side J/B (Lower Finish Panel)
1B	24	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
1C		
1D		
1E		
1F	24	Floor No.2 Wire and Driver Side J/B (Lower Finish Panel)
1G	25	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1H		
1J		
1K		
1L		
3D	28	Instrument Panel Wire and Center J/B (Instrument Panel Brace RH)
3E		

 : **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			