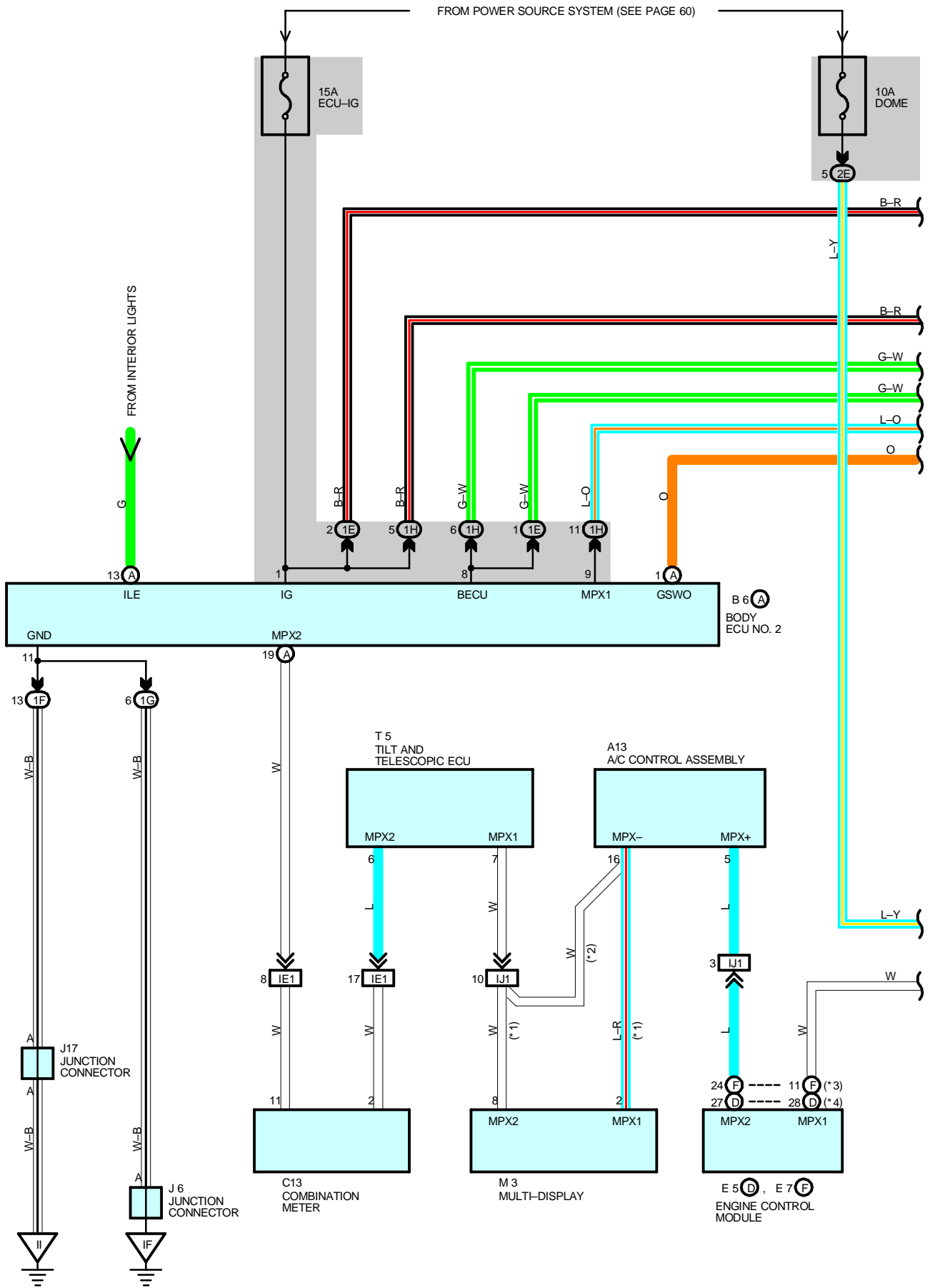
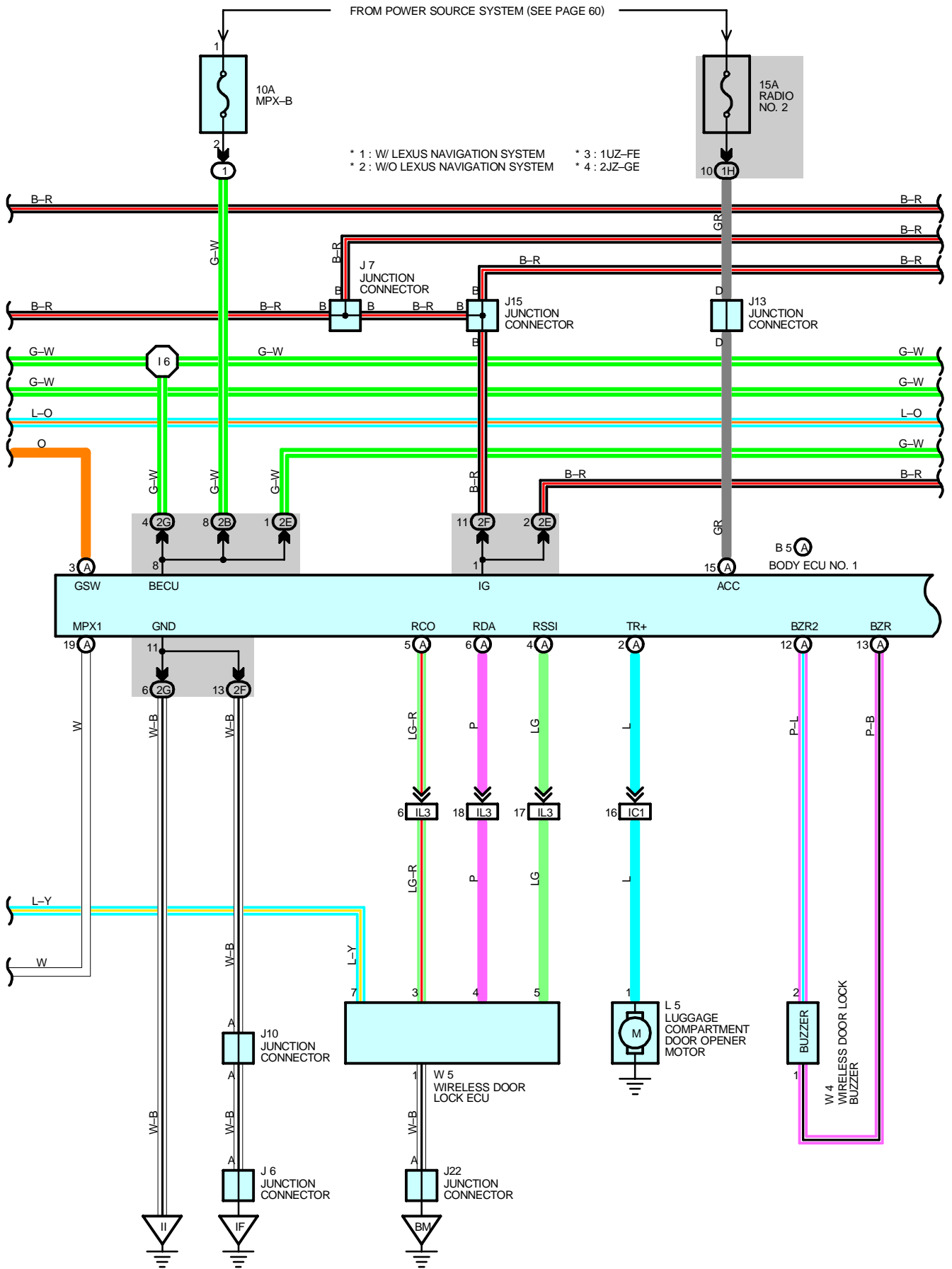
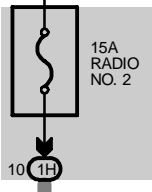
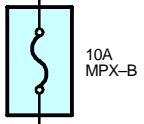


# WIRELESS DOOR LOCK CONTROL

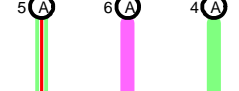
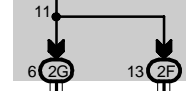
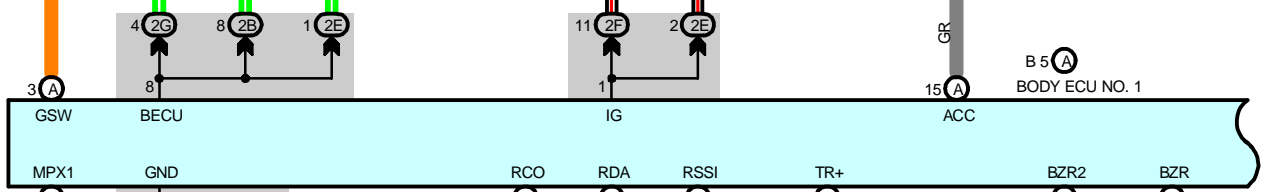
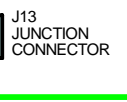
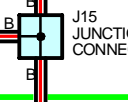
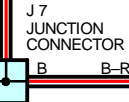




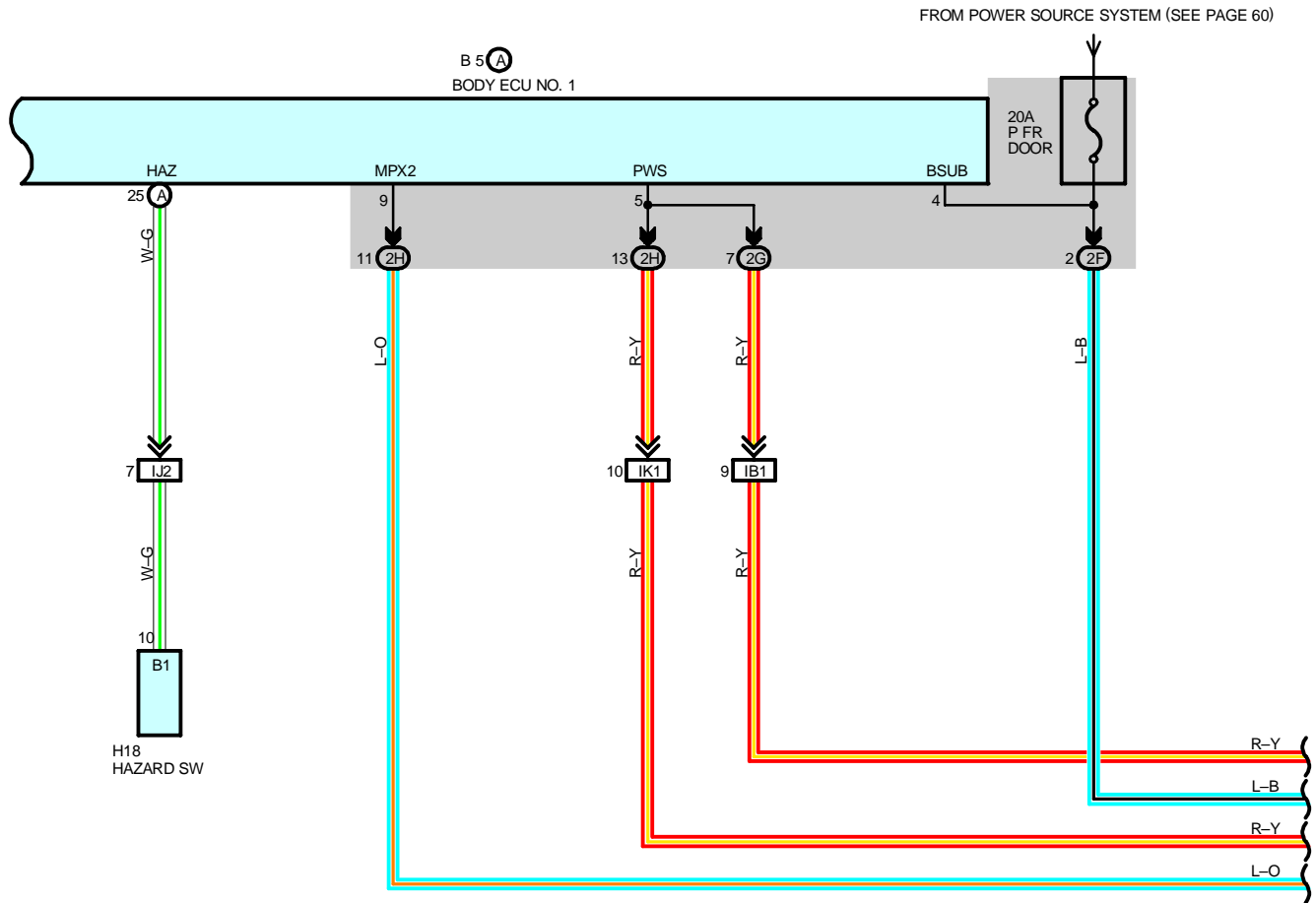
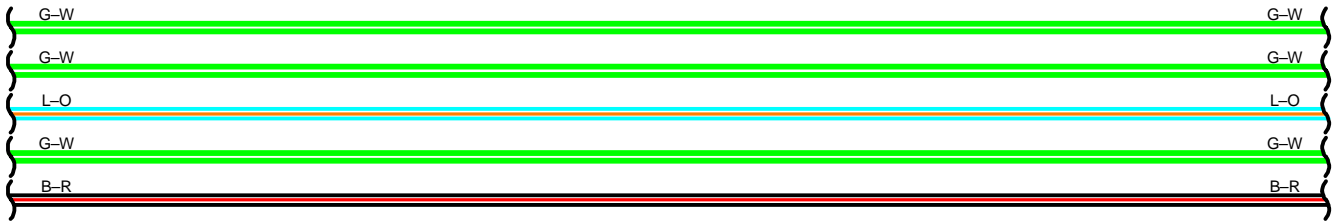
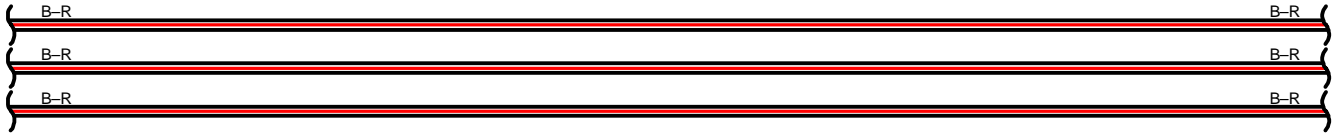
FROM POWER SOURCE SYSTEM (SEE PAGE 60)



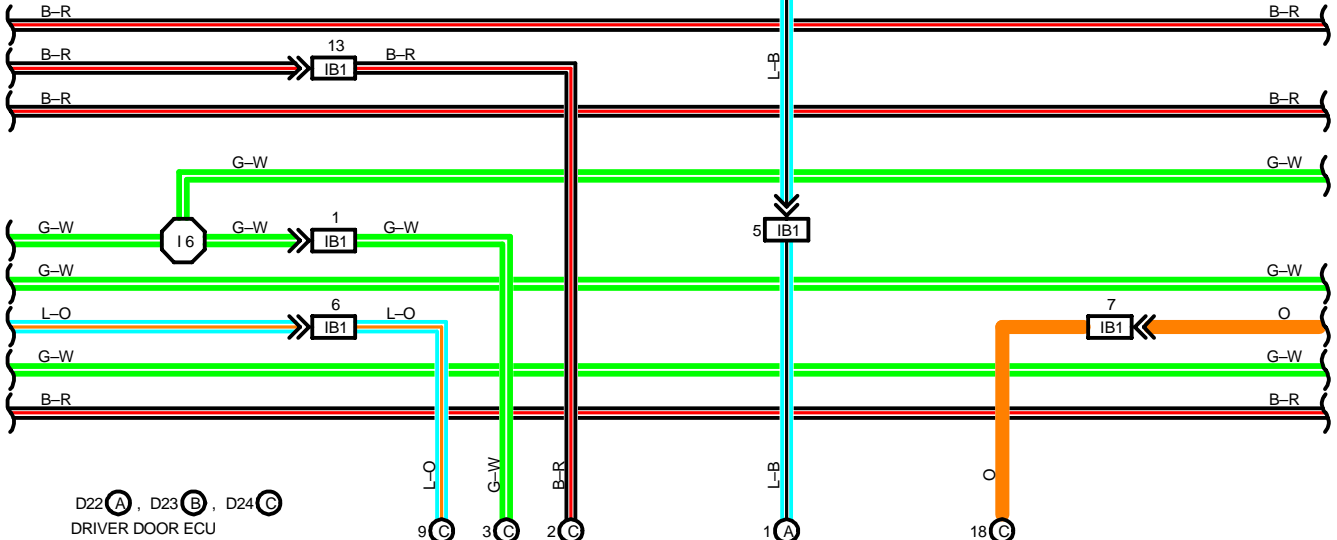
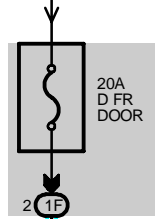
- \* 1 : W LEXUS NAVIGATION SYSTEM
- \* 2 : W/O LEXUS NAVIGATION SYSTEM
- \* 3 : 1UZ-FE
- \* 4 : 2JZ-GE



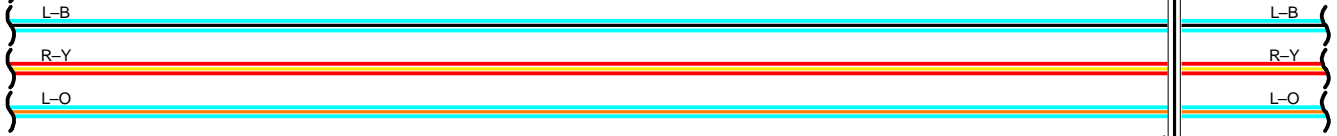
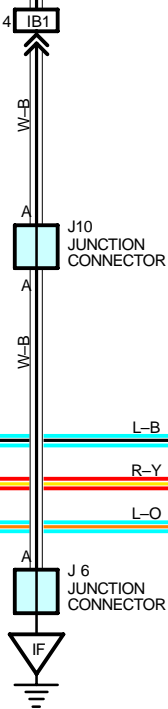
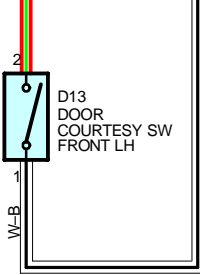
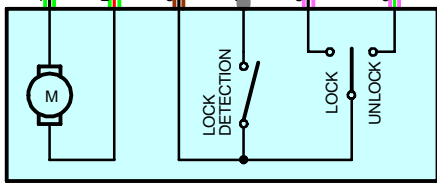
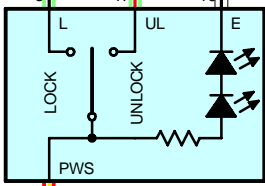
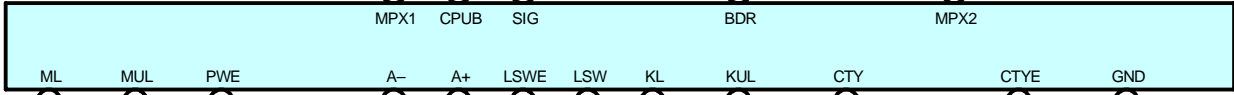
# WIRELESS DOOR LOCK CONTROL



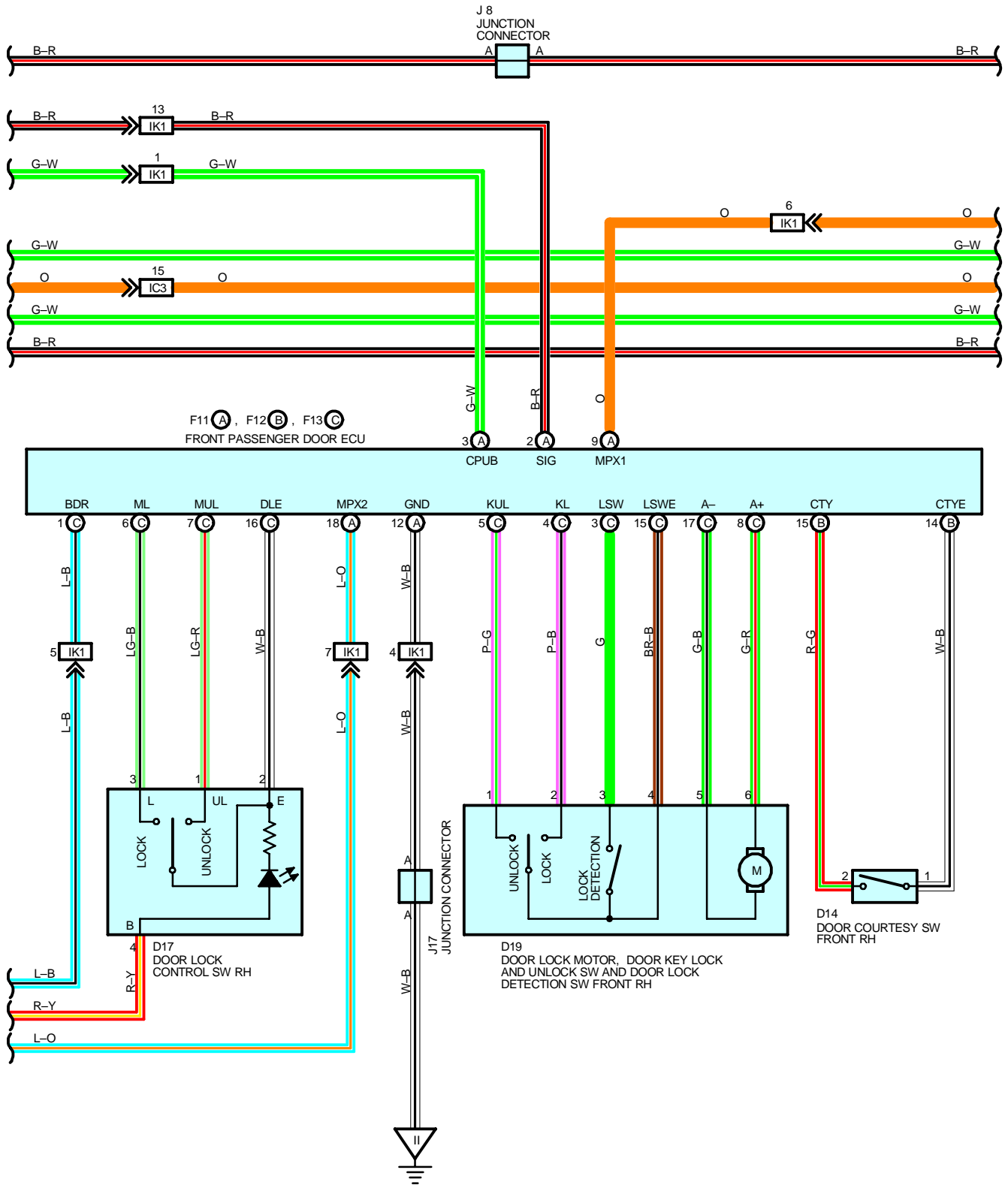
FROM POWER SOURCE SYSTEM (SEE PAGE 60)



D22 (A), D23 (B), D24 (C)  
DRIVER DOOR ECU

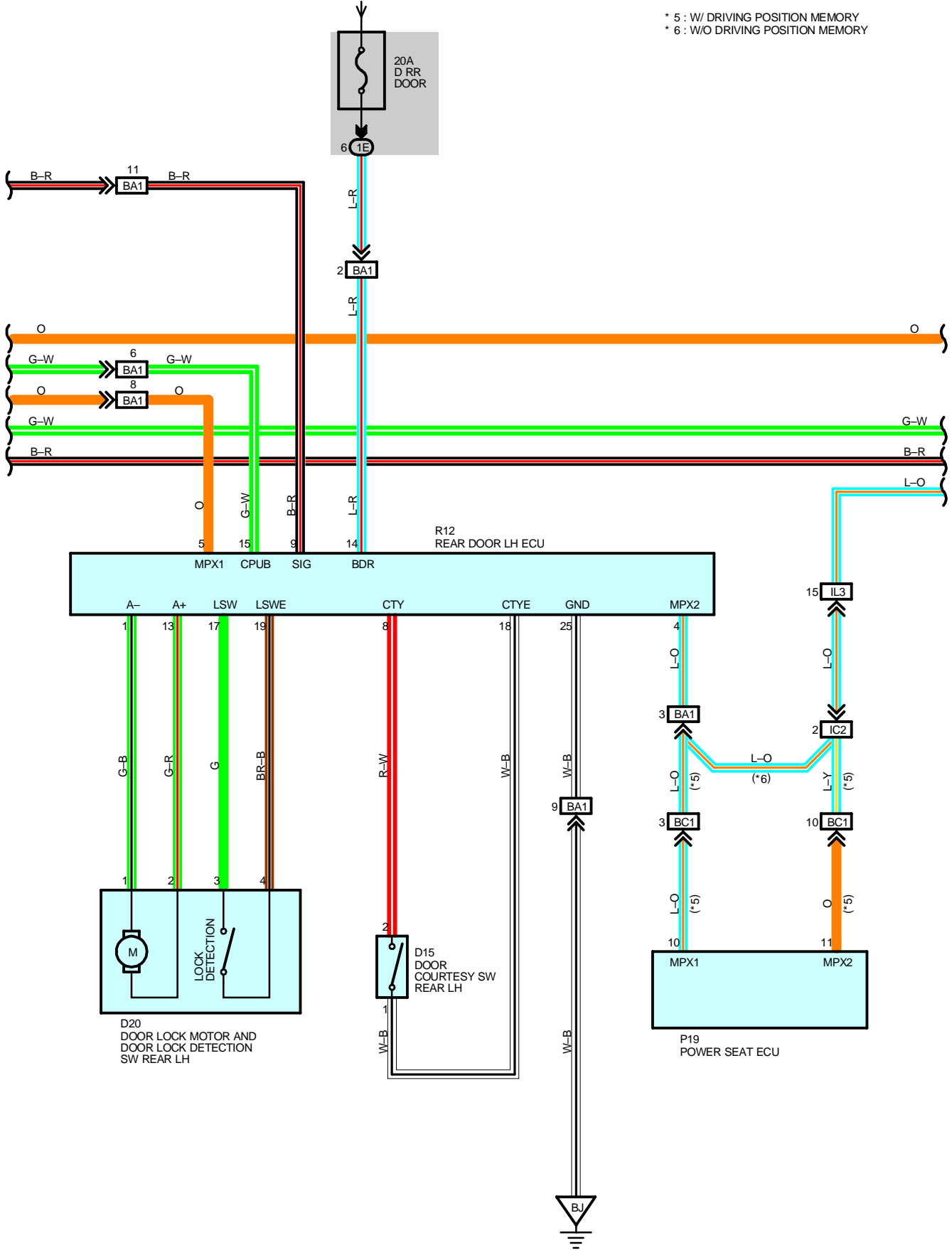


# WIRELESS DOOR LOCK CONTROL



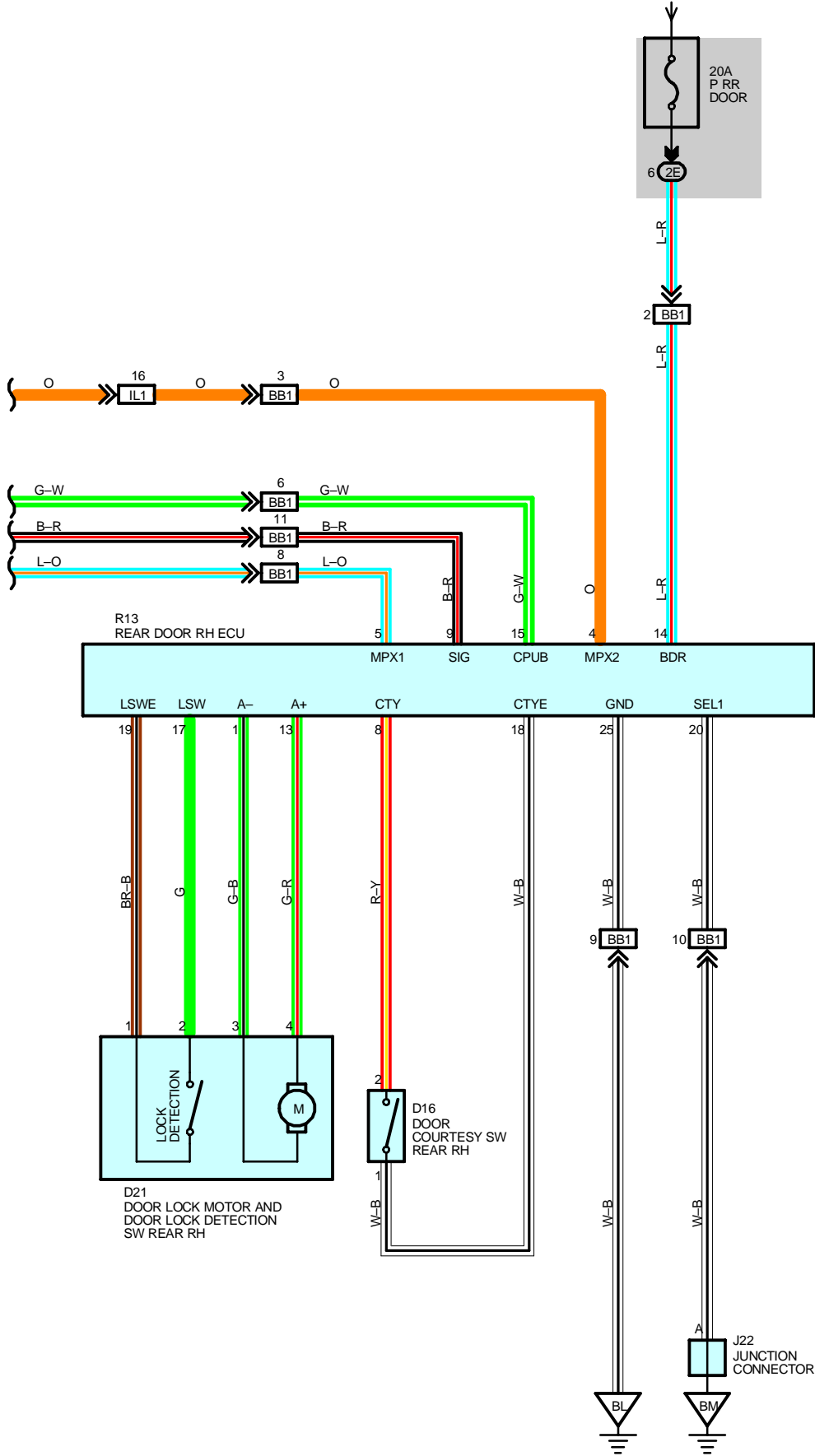
FROM POWER SOURCE SYSTEM (SEE PAGE 60)

\* 5 : W/ DRIVING POSITION MEMORY  
\* 6 : WO DRIVING POSITION MEMORY



# WIRELESS DOOR LOCK CONTROL

FROM POWER SOURCE SYSTEM (SEE PAGE 60)



## 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 the signal to the body ECU No.2. Through communication control of the body ECU and door ECU etc. , all the doors and the luggage door can be locked and unlocked by the 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 sec., all the doors are unlocked.

Luggage door unlock operation

When the luggage door unlock SW is kept pressed for approximately 1 sec. or longer, the luggage door is opened.

### 2. AUTO LOCK FUNCTION

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

Lock operation

Any door is open (The door courtesy SW is on). The ignition key is inserted into the ignition key cylinder (The unlock warning SW is on). The ignition SW is turned to the ON position.

Unlock operation

The ignition SW is turned to the ON position.

Luggage door unlock operation

The ignition SW is turned to the ON position.

### 4. BUZZER SOUND FUNCTION

When the body ECU No.1 receives the door lock signal from the door ECU via the door lock motor, during lock operation, the wireless door lock buzzer goes on once (for approximately 0.1 sec.).

When the body ECU No.1 receives the door unlock signal from the door ECU via the door lock motor, during unlock operation, the wireless door lock buzzer goes on twice (for approximately 0.2 sec. at intervals of 0.1 sec.).

When the luggage door is unlocked, and the body ECU No.1 outputs the unlock signal, the wireless door lock buzzer goes on once (for approximately 0.5 sec.).

When the body ECU No.1 receives the lock signal from the transmitter while any door is open, the wireless door lock buzzer sounds for approximately 10 sec. If the door is closed or if the unlock signal is received from the transmitter while the buzzer is sounding, the buzzer stops.

### 5. CAR FINDER FUNCTION

When the lock SW on the transmitter is pressed with all the doors locked, the body ECU No.1 receives the signal and the hazard light flashes once through communication control of the body ECU and door ECU etc.

### 6. ILLUMINATED ENTRY FUNCTION

When the body ECU No.2 detects the unlock state after the unlock operation has been made, it turns on the lights, such as the ignition key cylinder light for 15 sec. If all the doors are locked during this operation, lighting is cancelled and the lights immediately fade out.

### 7. PANIC MODE FUNCTION

When the lock switch on the transmitter is kept pressed for approximately 2.5 sec., the body ECU No.1 receives the signal and enters the panic mode. The theft alarm goes on upon receiving the signal, the body ECU No.1, and the headlights and taillights flash through the communication of the body ECU and door ECU etc. At this time, when any SW on the transmitter is pressed, the panic mode is cancelled, the theft alarm is stopped, and the headlights and taillights go off.

### 8. REPEAT FUNCTION

If the lock detection signal in response to the output signal is not received after the body ECU No.1 has output the lock signal, the lock signal is output again after approximately 2 sec.



# WIRELESS DOOR LOCK CONTROL

## SERVICE HINTS

### W5 WIRELESS DOOR LOCK ECU

- 1-GROUND : Always continuity
- 7-GROUND : Always approx. 12 volts

### L5 LUGGAGE COMPARTMENT DOOR OPENER MOTOR

- 1-GROUND : Approx. 12 volts with luggage door open operate

### D18 DOOR LOCK MOTOR, DOOR KEY LOCK AND UNLOCK SW AND DOOR LOCK DETECTION SW FRONT LH

- 2-GROUND : Approx. 12 volts with door lock motor at lock operate
- 1-GROUND : Approx. 12 volts with door lock motor at unlock operate
- 5-3 : Closed with door lock cylinder locked with key
- 6-3 : Closed with door lock cylinder unlocked with key

### D19 DOOR LOCK MOTOR, DOOR KEY LOCK AND UNLOCK SW AND DOOR LOCK DETECTION SW FRONT RH

- 6-GROUND : Approx. 12 volts with door lock motor at lock operate
- 5-GROUND : Approx. 12 volts with door lock motor at unlock operate
- 2-4 : Closed with door lock cylinder locked with key
- 1-4 : Closed with door lock cylinder unlocked with key

### D20 DOOR LOCK MOTOR AND DOOR LOCK DETECTION SW REAR LH

- 2-GROUND : Approx. 12 volts with door lock motor at lock operate
- 1-GROUND : Approx. 12 volts with door lock motor at unlock operate

### D21 DOOR LOCK MOTOR AND DOOR LOCK DETECTION SW REAR RH

- 4-GROUND : Approx. 12 volts with door lock motor at lock operate
- 3-GROUND : Approx. 12 volts with door lock motor at unlock operate

## ○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page		
A13	40	D23	B	42	J17	41	
B5	A	40	D24	C	42	J22	42
B6	A	40	E5	D	38 (2JZ-GE)	L5	43
C13	40	E7	F	36 (1UZ-FE)	M3	41	
D13	42	F11	A	42	P11	43	
D14	42	F12	B	42	P19	44	
D15	42	F13	C	42	R12	43	
D16	42	H18	40	R13	43		
D17	42	J6	41	T5	41		
D18	42	J7	41	W4	37 (1UZ-FE)		
D19	42	J8	41		39 (2JZ-GE)		
D20	42	J10	41	W5	43		
D21	42	J13	41				
D22	A	42	J15	41			

## ○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Engine Room No.1 R/B (Engine Compartment Right)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	26	Floor No.2 Wire and Driver Side J/B (Left Kick Panel)
1F	26	Cowl Wire and Driver Side J/B (Left Kick Panel)
1G	27	
1H		
2B	28	
2E	28	Floor No.1 Wire and Passenger Side J/B (Right Kick Panel)
2F	28	Cowl Wire and Passenger Side J/B (Right Kick Panel)
2G	29	
2H		

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	50	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC1	50	Floor No.2 Wire and Cowl Wire (Left Kick Panel)
IC2		
IC3		
IE1	50	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)
IJ1	52	Instrument Panel Wire and Cowl Wire (Left Side of the Blower Unit)
IJ2		
IK1	52	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IL1	52	Floor No.1 Wire and Cowl Wire (Right Kick Panel)
IL3		
BA1	54	Rear Door LH Wire and Floor No.2 Wire (Under the Center Pillar LH)
BB1	54	Rear Door RH Wire and Floor No.1 Wire (Under the Center Pillar RH)
BC1	56	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)

 : GROUND POINTS

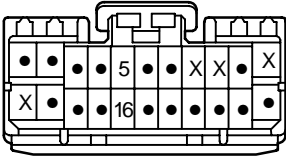
Code	See Page	Ground Points Location
IF	50	Left Kick Panel
II	50	Right Side of the Cowl Panel
BJ	54	Rear Floor Partition Panel LH
BL	54	Rear Floor Partition Panel RH
BM	54	Quarter Panel RH

 : SPLICE POINTS

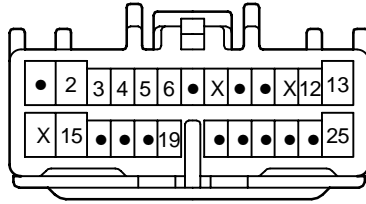
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	52	Cowl Wire			

# WIRELESS DOOR LOCK CONTROL

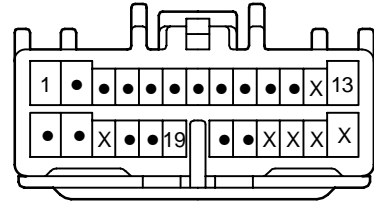
**A13**



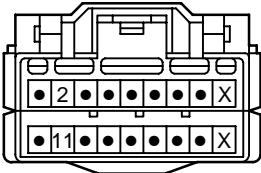
**B5 (A)**



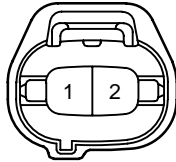
**B6 (A)**



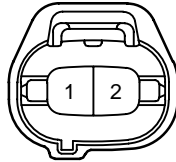
**C13**



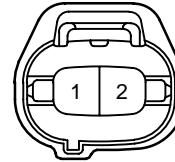
**D13  
GRAY**



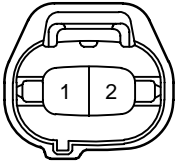
**D14  
GRAY**



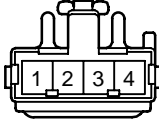
**D15  
GRAY**



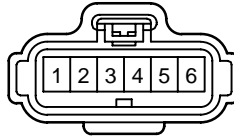
**D16  
GRAY**



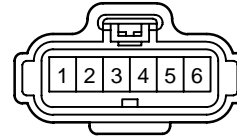
**D17**



**D18  
BLACK**



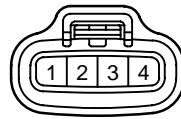
**D19  
BLACK**



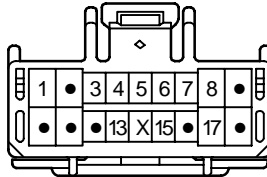
**D20  
BLACK**



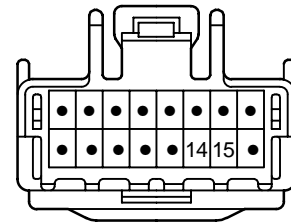
**D21  
BLACK**



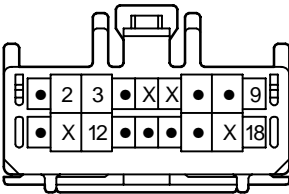
**D22 (A)  
GRAY**



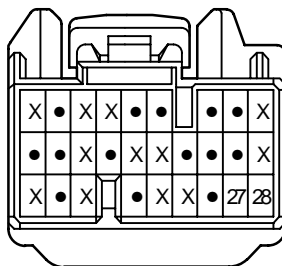
**D23 (B)  
GRAY**



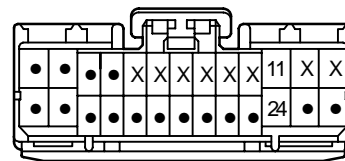
**D24 (C)  
GRAY**



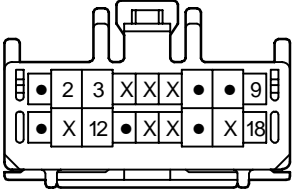
**E5 (D)  
(2JZ-GE)**



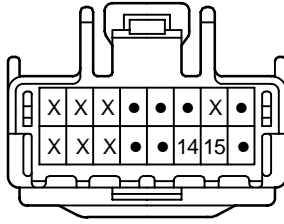
**E7 (F)  
(1UZ-FE)**



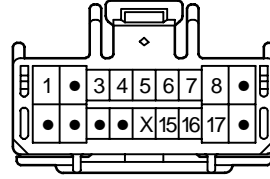
**F11 (A)**  
GRAY



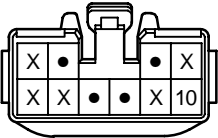
**F12 (B)**  
GRAY



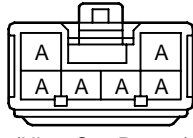
**F13 (C)**  
GRAY



**H18**  
BLACK

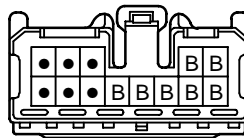


**J6**



(Hint : See Page 7)

**J7**  
GRAY



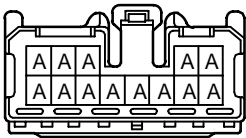
(Hint : See Page 7)

**J8**  
BLACK



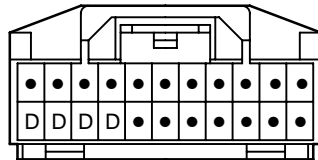
(Hint : See Page 7)

**J10**  
ORANGE



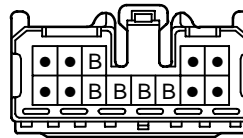
(Hint : See Page 7)

**J13**



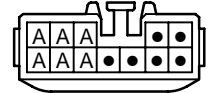
(Hint : See Page 7)

**J15**



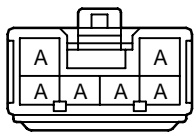
(Hint : See Page 7)

**J17**



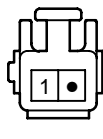
(Hint : See Page 7)

**J22**

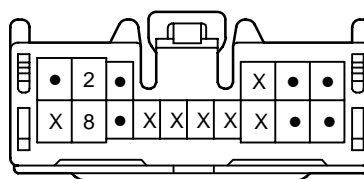


(Hint : See Page 7)

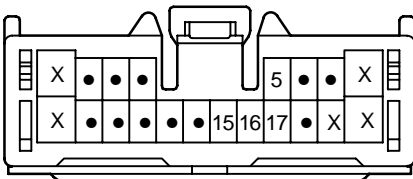
**L5**  
BLACK



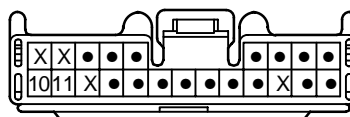
**M3**  
BLUE



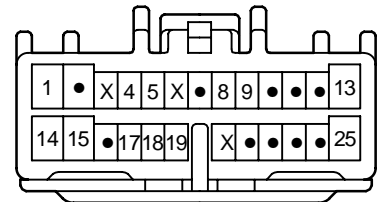
**P11**



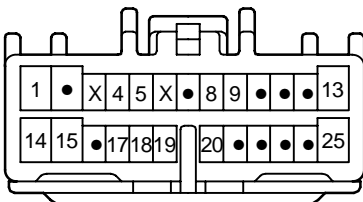
**P19**



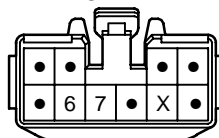
**R12**



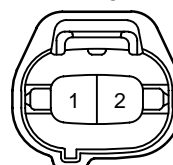
**R13**



**T5**  
GRAY



**W4**  
BLACK



**W5**

