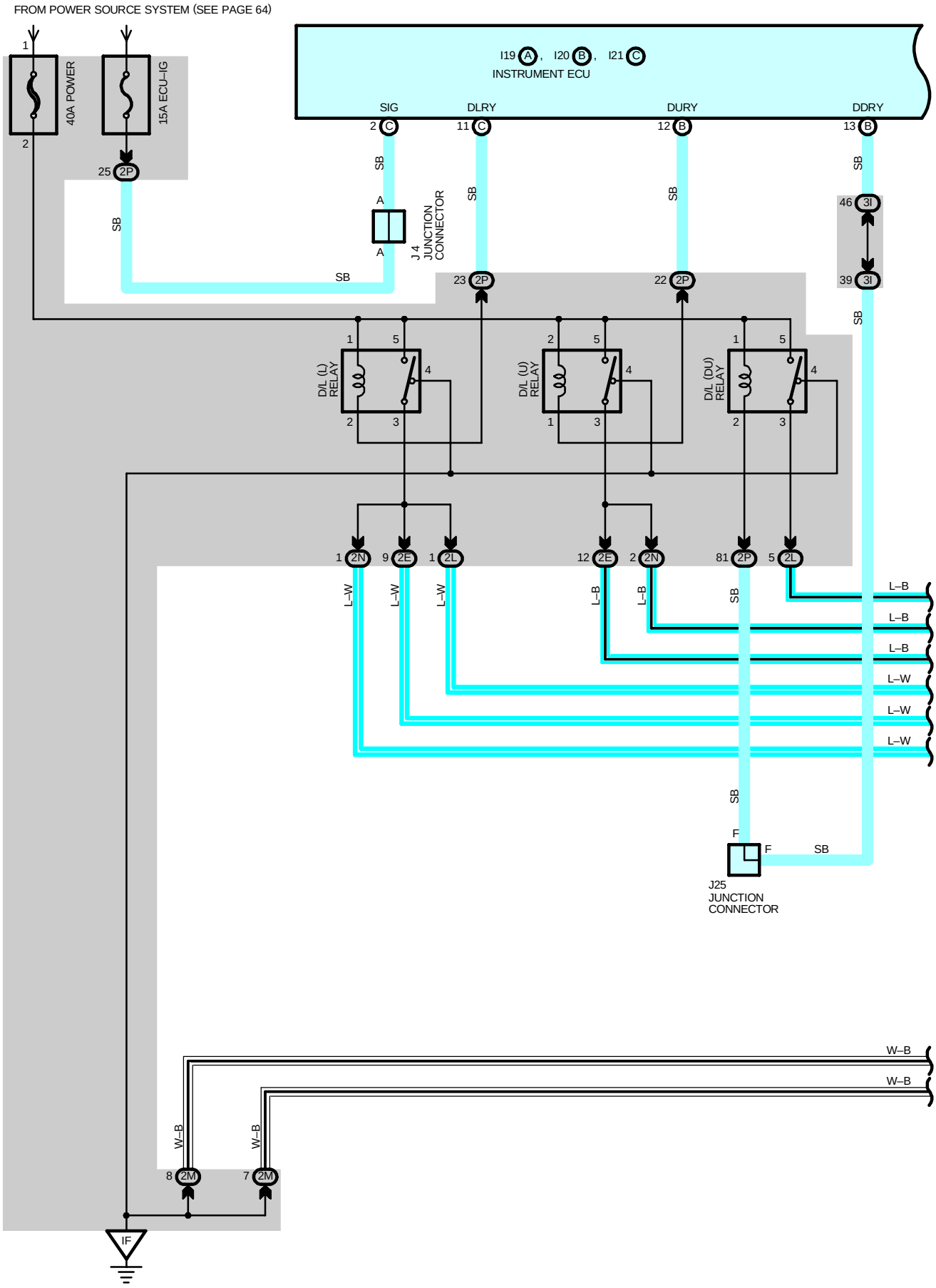
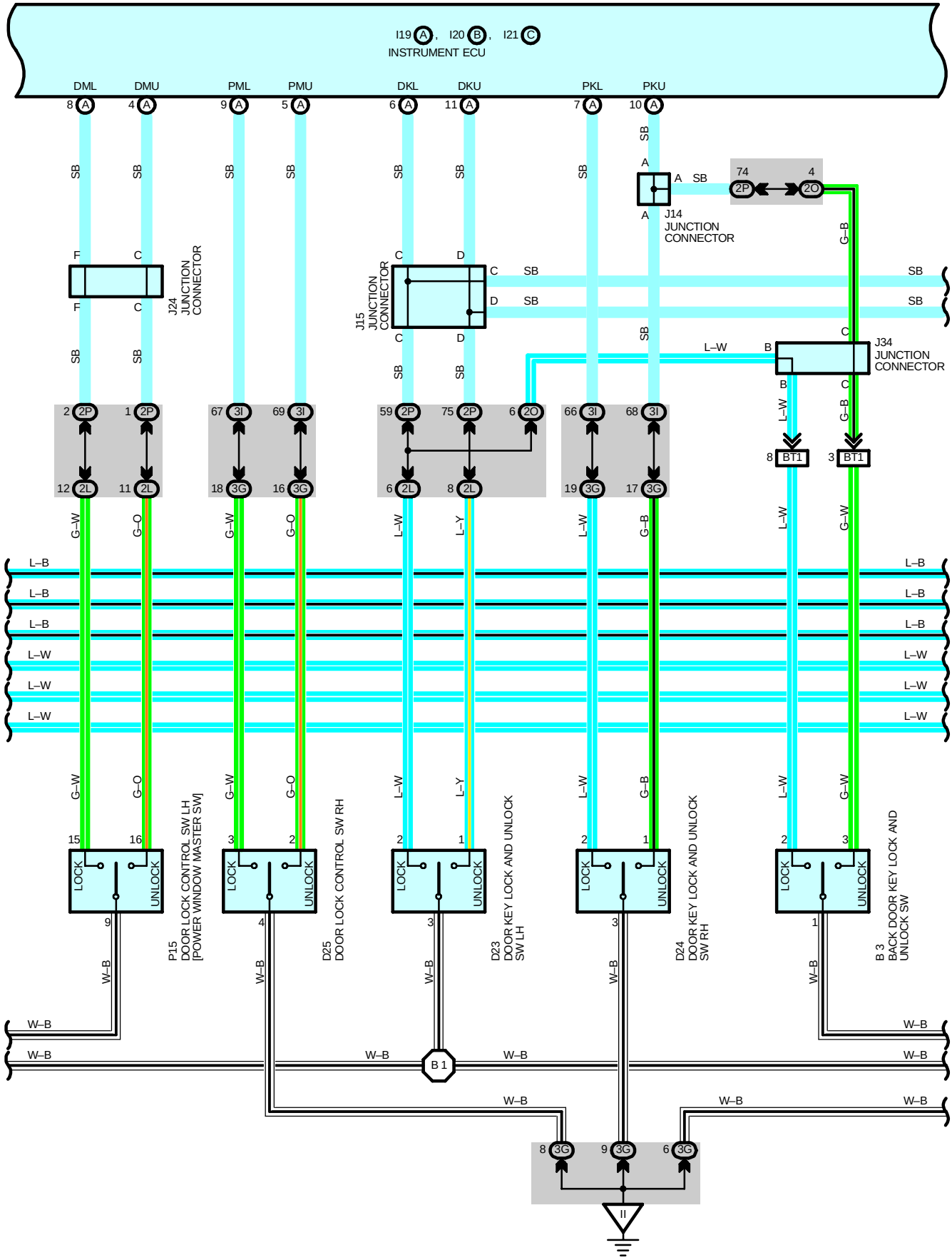
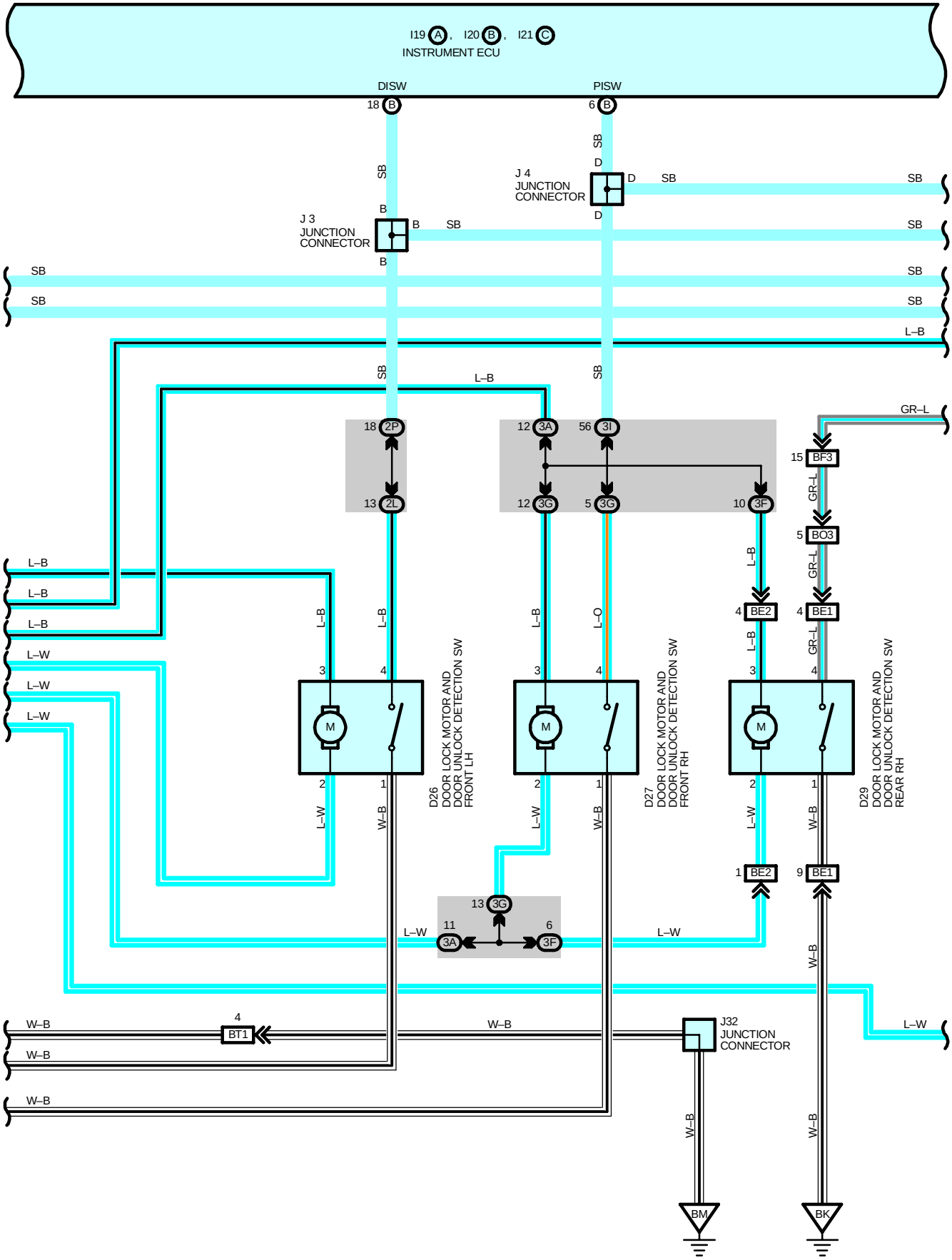
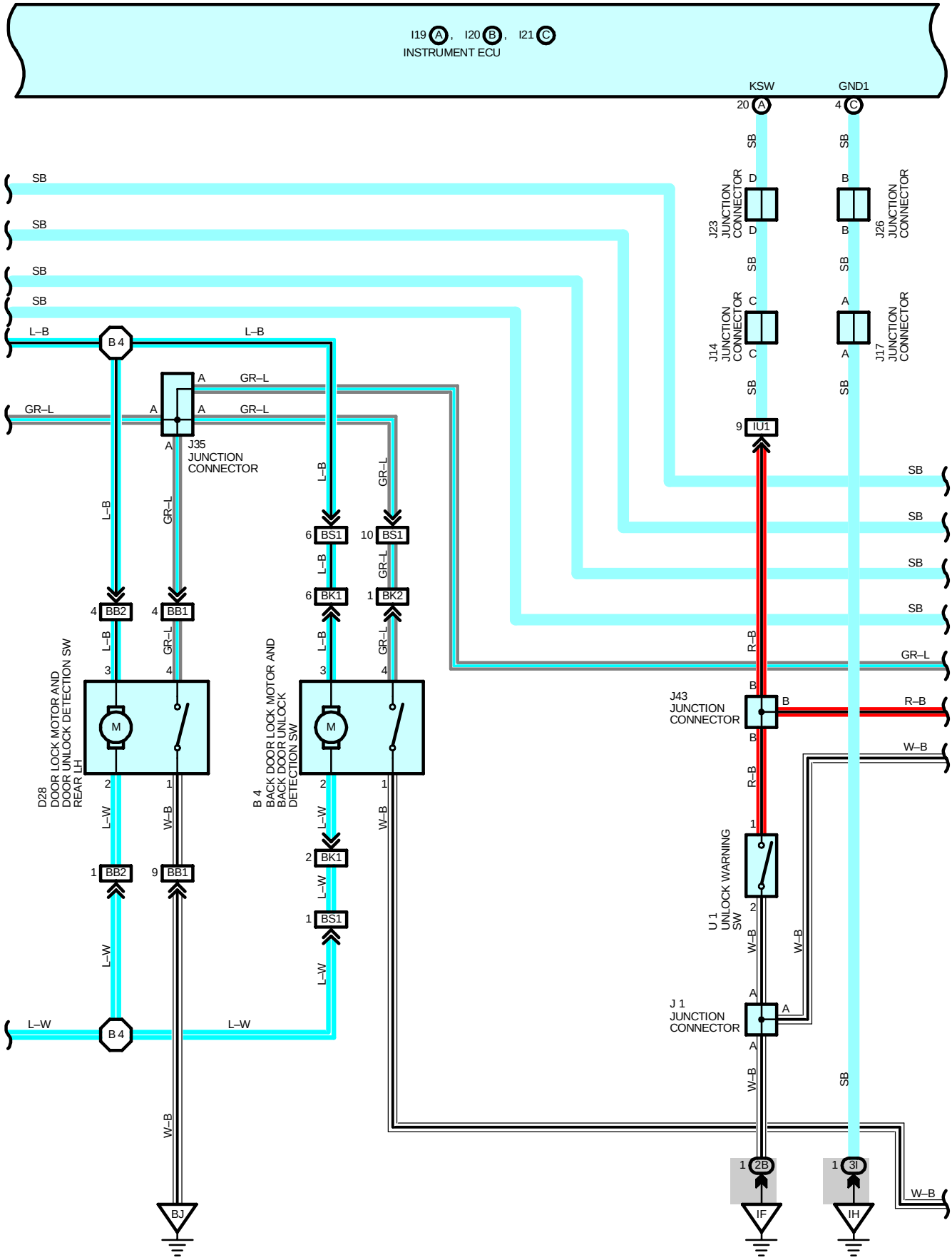
WIRELESS DOOR LOCK CONTROL



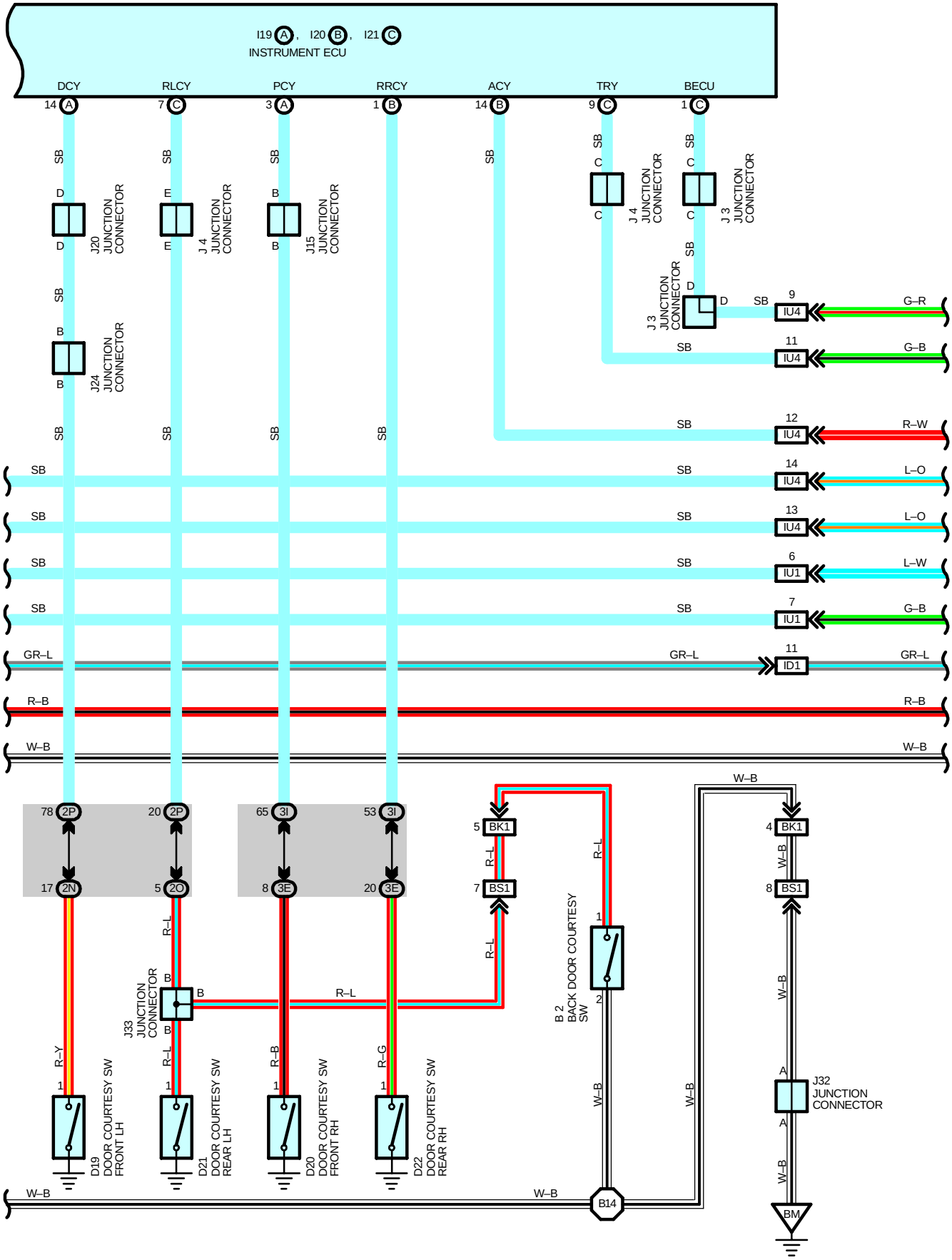

I19 A , I20 B , I21 C
INSTRUMENT ECU
DML
DMU
PML
PMU
DKL
DKU
PKL
PKU
J14 JUNCTION CONNECTOR
J24 JUNCTION CONNECTOR
J15 JUNCTION CONNECTOR
J34 JUNCTION CONNECTOR
P15 DOOR LOCK CONTROL SW LH [POWER WINDOW MASTER SW]
D25 DOOR LOCK CONTROL SW RH
D23 DOOR KEY LOCK AND UNLOCK SW LH
D24 DOOR KEY LOCK AND UNLOCK SW RH
B 3 BACK DOOR KEY LOCK AND UNLOCK SW
LOCK
UNLOCK
B 1
II

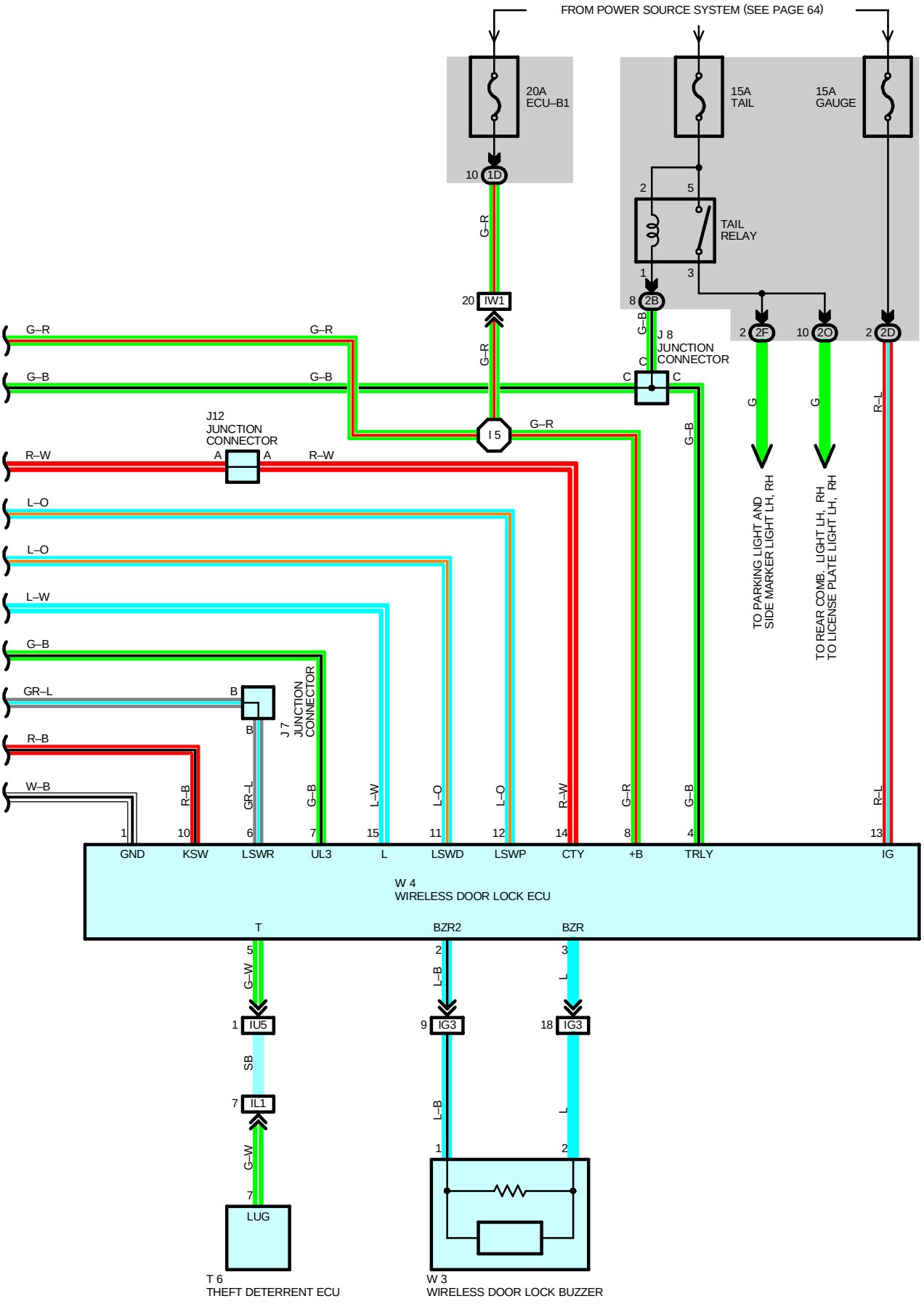
WIRELESS DOOR LOCK CONTROL




I19 A , I20 B , I21 C
INSTRUMENT ECU
KSW
GND1
20 A
4 C
SB
J23 JUNCTION CONNECTOR
J26 JUNCTION CONNECTOR
J14 JUNCTION CONNECTOR
J17 JUNCTION CONNECTOR
9 IU1
L–B
GR–L
B 4
J35 JUNCTION CONNECTOR
6 BS1
10 BS1
6 BK1
1 BK2
4 BB2
4 BB1
D28 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR LH
B 4 BACK DOOR LOCK MOTOR AND BACK DOOR UNLOCK DETECTION SW
M
R–B
J43 JUNCTION CONNECTOR
W–B
U 1 UNLOCK WARNING SW
J 1 JUNCTION CONNECTOR
L–W
1 BB2
9 BB1
2 BK1
1 BS1
BJ
1 2B
1 3I
IF
IH

WIRELESS DOOR LOCK CONTROL




FROM POWER SOURCE SYSTEM (SEE PAGE 64)
20A
ECU–B1
15A
TAIL
15A
GAUGE
10 1D
2 5
TAIL
RELAY
1 3
20 IW1
8 2B
2 2F
10 2O
2 2D
G–R
G–B
J 8
JUNCTION
CONNECTOR
J12
JUNCTION
CONNECTOR
I 5
R–W
L–O
L–W
GR–L
R–B
W–B
J 7
JUNCTION
CONNECTOR
TO PARKING LIGHT AND
SIDE MARKER LIGHT LH, RH
TO REAR COMB. LIGHT LH, RH
TO LICENSE PLATE LIGHT LH, RH
1 GND
10 KSW
6 LSWR
7 UL3
15 L
11 LSWD
12 LSWP
14 CTY
8 +B
4 TRLY
13 IG
W 4
WIRELESS DOOR LOCK ECU
T
BZR2
BZR
5 G–W
2 L–B
3 L
1 IU5
9 IG3
18 IG3
SB
7 IL1
G–W
7
LUG
T 6
THEFT DETERRENT ECU
1
2
W 3
WIRELESS DOOR LOCK BUZZER

WIRELESS DOOR LOCK CONTROL

SYSTEM OUTLINE

In this system, the wireless door lock ECU receivers 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. BUZZER SOUND FUNCTION

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

6. 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.

7. 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

W4 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

D26, D27, D28, D29 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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B2	42	I19 A	40	J24	41
B3	42	I20 B	40	J25	41
B4	42	I21 C	40	J26	41
D19	42	J1	41	J32	42
D20	42	J3	41	J33	42
D21	42	J4	41	J34	42
D22	42	J7	41	J35	42
D23	42	J8	41	J43	41
D24	42	J12	41	P15	43
D25	42	J14	41	T6	41
D26	42	J15	41	U1	41
D27	42	J17	41	W3	39
D28	42	J20	41	W4	41
D29	42	J23	41		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	23	Engine Room No.2 Wire and Engine Room J/B (Engine Compartment Left)
2B	26	Dash Wire and Cowl Side J/B LH (Left Kick Panel)
2D		
2E	26	Engine Room No.2 Wire and Cowl Side J/B LH (Left Kick Panel)
2F		
2L	26	Front Door LH Wire and Cowl Side J/B LH (Left Kick Panel)
2M		
2N	26	Floor Wire and Cowl Side J/B LH (Left Kick Panel)
2O		
2P	28	Instrument Panel Integration Wire and Cowl Side J/B LH (Left Kick Panel)
3A	32	Engine Room No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3E	32	Floor No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3F		
3G	32	Front Door RH Wire and Cowl Side J/B RH (Right Kick Panel)
3I	32	Instrument Panel Integration Wire and Cowl Side J/B RH (Right Kick Panel)

WIRELESS DOOR LOCK CONTROL

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	48	Dash Wire and Floor Wire (Left Kick Panel)
IG3	50	Engine Room No.2 Wire and Dash Wire (Behind the Combination Meter)
IL1	50	Instrument Panel Integration Wire and Computer Wire (Instrument Panel Center)
IU1	52	Instrument Panel Integration Wire and Dash Wire (Behind the Glove Box)
IU4		
IU5		
IW1	54	Engine Room No.2 Wire and Dash Wire (Behind the Glove Box)
BB1	56	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB2		
BE1	56	Rear Door RH Wire and Floor No.2 Wire (Right Side of Center Pillar)
BE2		
BF3	56	Floor No.3 Wire and Floor Wire (Left Rear Side Quarter Panel)
BK1	58	Pillar No.1 Wire and Back Door Upper Wire (Left Side of Back Door)
BK2		
BO3	58	Floor No.2 Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)
BS1	58	Pillar No.1 Wire and Floor Wire (Left Rear Side Quarter Panel)
BT1		

: GROUND POINTS

Code	See Page	Ground Points Location
IF	48	Set Bolt of Cowl Side J/B LH
IH	48	Set Bolt of Cowl Side J/B RH
II		
BJ	56	Under the Driver's Seat
BK	56	Front Side Under the Front Passenger's Seat
BM	56	Left Rear Side Quarter Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	50	Dash Wire	B4	58	Floor Wire
B1	58	Front Door LH Wire	B14	58	Back Door Upper Wire