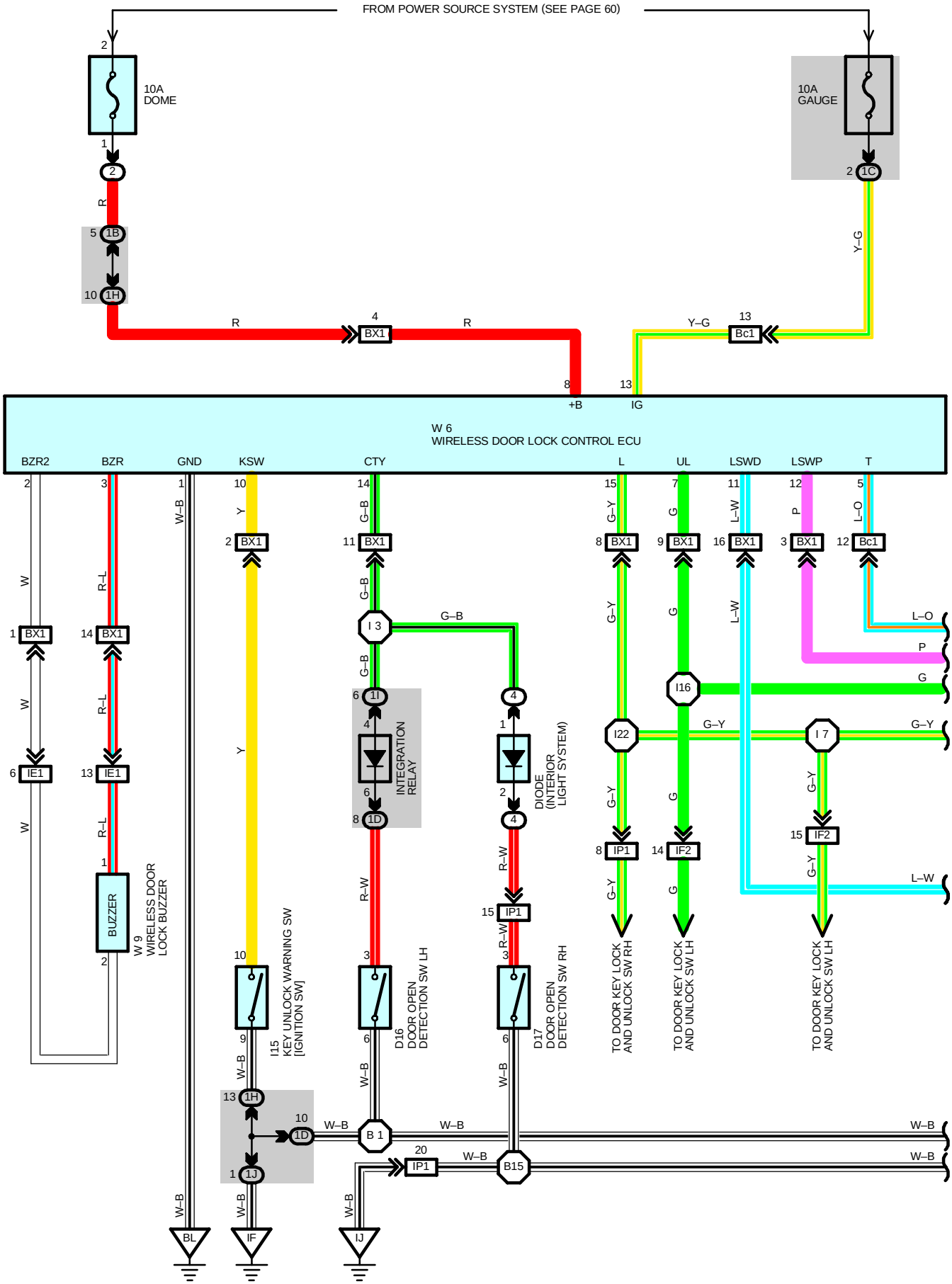
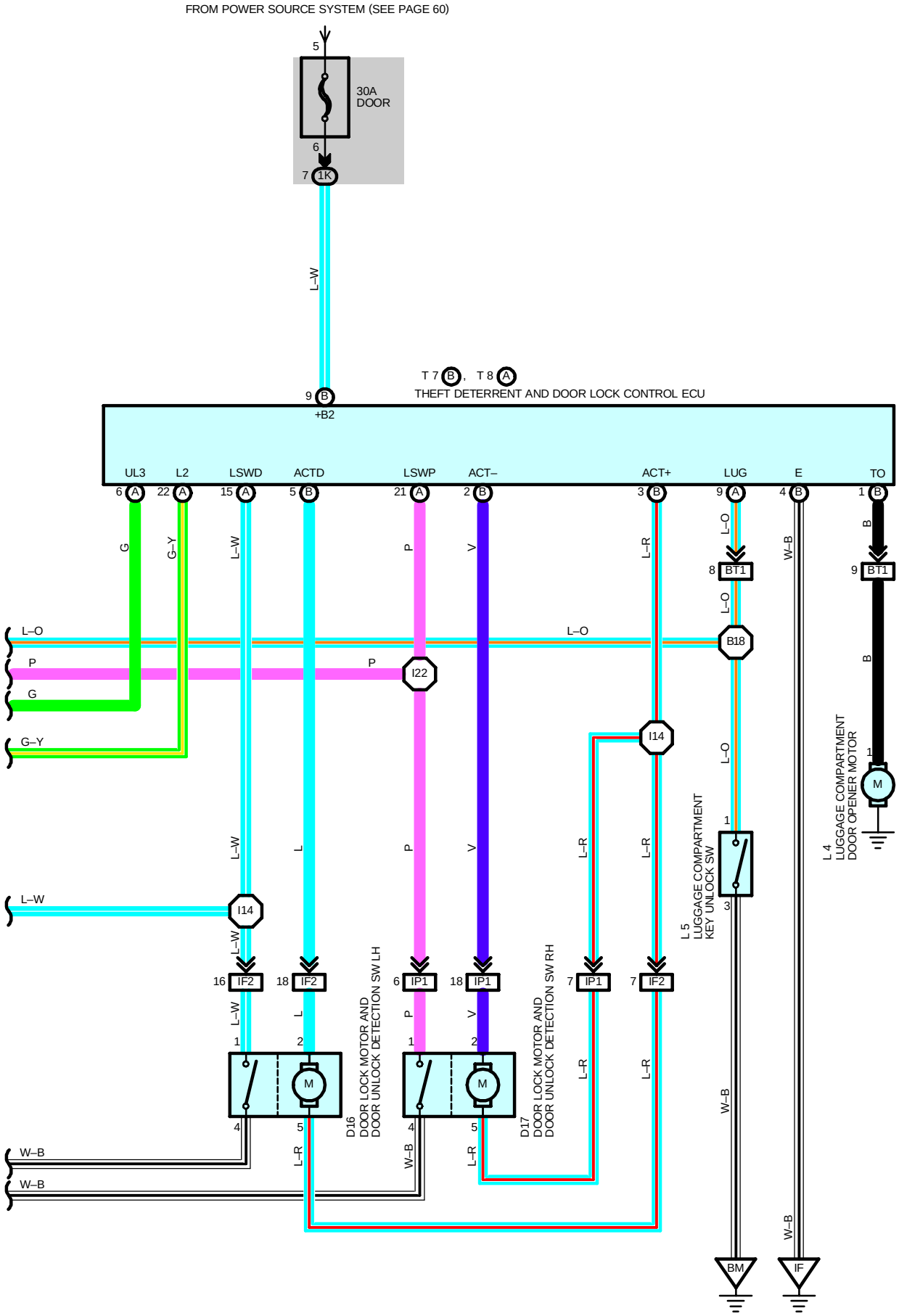
WIRELESS DOOR LOCK CONTROL




FROM POWER SOURCE SYSTEM (SEE PAGE 60)
5
30A
DOOR
6
7 1K
L–W
T 7 B , T 8 A
9 B
+B2
THEFT DETERRENT AND DOOR LOCK CONTROL ECU
UL3
L2
LSWD
ACTD
LSWP
ACT–
ACT+
LUG
E
TO
6 A
22 A
15 A
5 B
21 A
2 B
3 B
9 A
4 B
1 B
G
G–Y
L–W
P
V
L–R
L–O
B
8 BT1
9 BT1
B18
I22
I14
L–O
P
G
G–Y
L–W
L
P
V
L–R
L–R
L–O
1
3
L 5
LUGGAGE COMPARTMENT
KEY UNLOCK SW
L 4
LUGGAGE COMPARTMENT
DOOR OPENER MOTOR
M
16 IF2
18 IF2
6 IP1
18 IP1
7 IP1
7 IF2
L–W
L
P
V
L–R
L–R
1
2
4
5
M
M
D16
DOOR LOCK MOTOR AND
DOOR UNLOCK DETECTION SW LH
D17
DOOR LOCK MOTOR AND
DOOR UNLOCK DETECTION SW RH
W–B
W–B
L–R
W–B
L–R
W–B
W–B
BM
IF
W–B

WIRELESS DOOR LOCK CONTROL

SYSTEM OUTLINE

Door lock control (Lock and unlock) is performed by remote control, without the ignition key inserted in the door key cylinder, using low–power electrical waves emitted by a transmitter built into the ignition key.

1. WIRELESS DOOR LOCK OR UNLOCK NORMAL OPERATION

With the ignition key not inserted into the ignition key cylinder (Key unlock warning SW off) and all the doors completely closed, when the switch (Transmitter) on the ignition key is pushed, the wireless door lock control ECU receives the electrical waves from the ignition key (Transmitter), causing it to operate.
As a result, the ECU judges whether the door is locked or unlock based on the signal from the door lock motor, and sends a signal to the theft deterrent and door lock control ECU to switch the condition from lock to unlock or vice versa, causing the door lock motor to operate (for the current flow during lock and unlock refer to the door lock control system.)

2. AUTO LOCK OPERATION

After pushing the ignition key SW (Transmitter) to unlock all the doors, if a door is not opened within **30** seconds, all the doors will be automatically locked again.

3. WIRELESS DOOR LOCK STOP FUNCTION

If a door is open (Door open detection SW on), a signal is input from the door open detection SW to the wireless door lock control ECU, stopping wireless door lock or unlock.
If the ignition key is in the ignition key cylinder (Key unlock warning SW on), the unlock warning SW inputs a signal to the wireless door lock control ECU, stopping wireless door lock or unlock.

4. DOOR LOCK MOTOR PROTECTIVE FUNCTION

If the door lock or unlock condition does not change after wireless door lock or unlock operation, the theft deterrent and door lock control ECU sends current ten times to the door lock motor. If the door lock condition still has not changed, as a result the wireless door lock control ECU stops reception and stops door lock and unlock function.
By manually operation the door lock or unlock, the stop condition of the wireless door lock function is released.

5. TRANK OPENER OPERATION

Pushing the trank SW (Transmitter) for approx. **0.8** seconds, the current flows to the luggage compartment door motor, causing the luggage compartment door to open.

6. DOOR AJAR WARNING

With the door is not completely closed (The door open detection SW on), pushing the lock SW (Transmitter), causing the buzzer to sound. During sounding, any operation of closing all doors, pushing the unlock SW (Transmitter) or after **10** seconds sounding causes the buzzer to stop sounding.

7. REMOTE PANIC OPERATION

Pushing the lock SW (Transmitter) for approx. **1.5** seconds, theft alarm sounds. During sounding, pushing any SW (Transmitter) will stop sounding.

SERVICE HINTS

D16, D17 DOOR OPEN DETECTION SW LH, RH

3–6:Closed with door opened

I15 KEY UNLOCK WARNING SW [IGNITION SW]

10–9:Closed with ignition key in cylinder

W6 WIRELESS DOOR LOCK CONTROL ECU

8–GROUND:Approx. **12** volts with wireless door lock main SW on
1–GROUND:Always continuity
14–GROUND:Continuity with each door opened
10–GROUND:Continuity with ignition key in cylinder

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code	See Page
D16	32	L5		32	W9	27 (1UZ–FE)
D17	32	T7	B	31		29 (2JZ–GE)
I15	31	T8	A	31		
L4	32	W6		33		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	19	R/B No. 2 (Engine Compartment Left)
4	23	R/B No. 4 (Front Side of J/B No. 1)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	20	Engine Room Main Wire and J/B No. 1 (Left Kick Panel)
1C	20	Floor Main Wire and J/B No. 1 (Left Kick Panel)
1D	20	Front Door LH Wire and J/B No. 1 (Left Kick Panel)
1H	20	Cowl Wire and J/B No. 1 (Left Kick Panel)
1I		
1J		
1K		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	40	Engine Room Main Wire and Cowl Wire (R/B No. 4)
IF2	40	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IP1	42	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BT1	44	Floor Main Wire and Cowl Wire (Left Kick Panel)
BX1	44	Floor No. 3 Wire and Cowl Wire (Right Kick Panel)
Bc1	44	Floor No. 3 Wire and Floor Main Wire (Under the Left Side of Rear Seat Cushion)

: GROUND POINTS

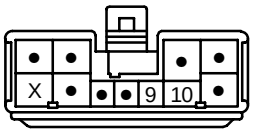
Code	See Page	Ground Points Location
IF	40	Left Kick Panel
IJ	40	Right Kick Panel
BL	44	Under the Center Pillar RH
BM	44	Back Panel Center

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	42	Cowl Wire	I22	42	Cowl Wire
I7			B1	44	Front Door LH Wire
I14			B15	44	Front Door RH Wire
I16			B18	44	Floor Main Wire

D16, D17 GRAY

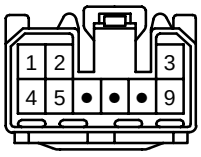
I15



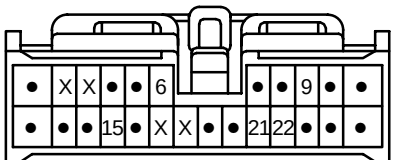
L4

L5

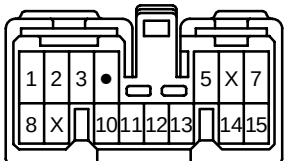
T7 (B) ORANGE



T8 (A) ORANGE



W6



W9 BLACK