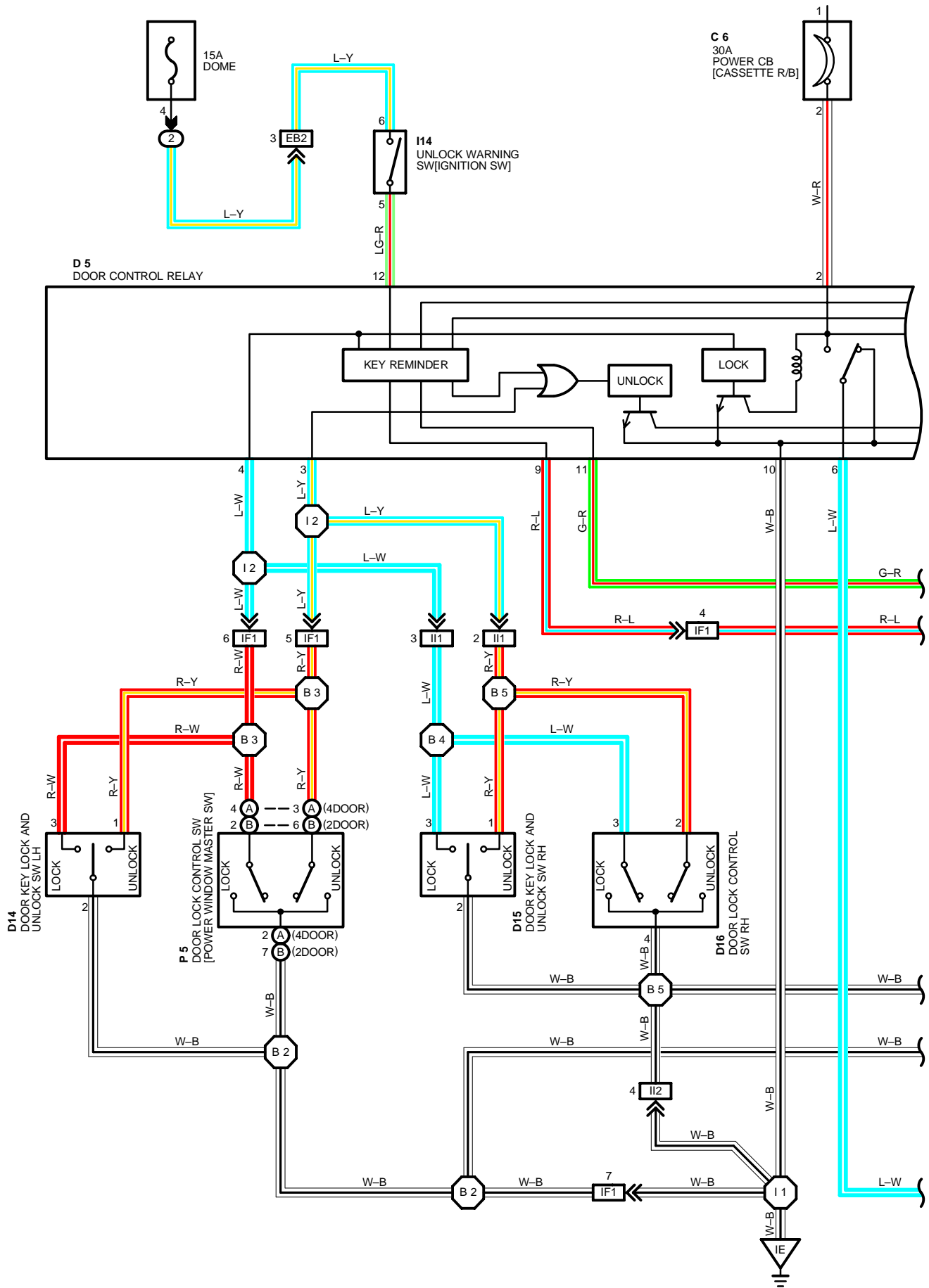
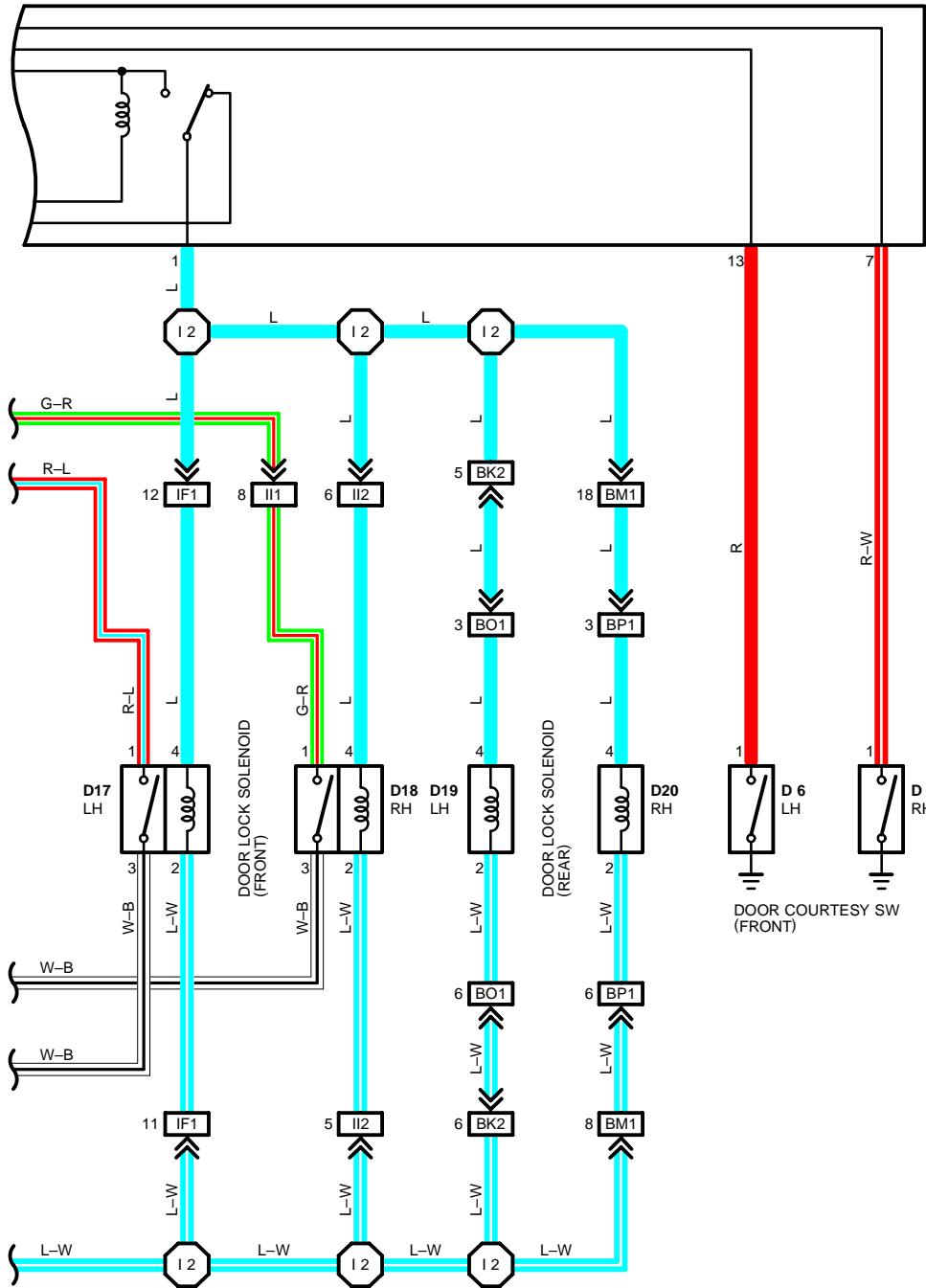


# DOOR LOCKS





# DOOR LOCKS

## SYSTEM OUTLINE

CURRENT ALWAYS FLOWS TO **TERMINAL 2** OF THE DOOR CONTROL RELAY THROUGH POWER CB.

### 1. MANUAL LOCK OPERATION

TO PUSH DOOR LOCK CONTROL SW AND KEY SW TO **LOCK** POSITION, A LOCK SIGNAL IS INPUT TO **TERMINAL 4** OF THE DOOR CONTROL RELAY AND CAUSES THE RELAY TO FUNCTION. CURRENT FLOWS FROM **TERMINAL 2** OF THE RELAY → **TERMINAL 6** → **TERMINAL 2** OF THE DOOR LOCK SOLENOIDS → **TERMINAL 4** → **TERMINAL 1** OF THE RELAY → **TERMINAL 10** → TO **GROUND** AND DOOR LOCK SOLENOID CAUSES THE DOOR TO LOCK.

### 2. MANUAL UNLOCK OPERATION

TO PUSH DOOR LOCK CONTROL SW AND KEY SW TO **UNLOCK** POSITION, AN UNLOCK SIGNAL IS INPUT TO **TERMINAL 3** OF THE DOOR LOCK CONTROL RELAY AND CAUSES THE RELAY TO FUNCTION. CURRENT FLOWS FROM **TERMINAL 2** OF THE RELAY → **TERMINAL 1** → **TERMINAL 4** OF THE DOOR LOCK SOLENOIDS → **TERMINAL 2** → **TERMINAL 6** OF THE RELAY → **TERMINAL 10** → TO **GROUND** AND DOOR LOCK SOLENOID CAUSES DOOR TO UNLOCK.

### 3. IGNITION KEY REMINDER OPERATION

\* OPERATING DOOR LOCK KNOB (IN DOOR LOCK SOLENOIDS OPERATION)

WITH IGNITION KEY IN CYLINDER (UNLOCK WARNING SW ON), WHEN THE DOOR IS OPEND AND LOCKED USING DOOR LOCK KNOB (DOOR LOCK SOLENOID), THE DOOR IS LOCKED ONCE BUT EACH DOOR IS UNLOCKED SOON BY THE FUNCTION OF RELAY. AS A RESULT, THE CURRENT FLOWS FROM **TERMINAL 2** OF THE RELAY → **TERMINAL 1** → **TERMINAL 4** OF THE DOOR LOCK SOLENOIDS → **TERMINAL 2** → **TERMINAL 6** OF THE RELAY → **TERMINAL 10** → TO **GROUND** AND CAUSES ALL THE DOORS TO UNLOCK.

\* OPERATING DOOR LOCK CONTROL SW OR DOOR LOCK KEY SW

WITH IGNITION KEY IN CYLINDER (UNLOCK WARNING SW ON), WHEN THE DOOR IS OPENED AND LOCKED USING DOOR LOCK CONTROL SW OR KEY SW. THE DOOR IS LOCKED ONCE BUT EACH DOOR IS UNLOCK BY THE FUNCTION OF SW CONTAINED IN SOLENOIDS, WHICH THE SIGNAL IS INPUT TO **TERMINAL 9** OR **11** OF THE RELAY. ACCORDING TO THIS INPUT SIGNAL, THE CURRENT IN RELAY FLOWS FROM **TERMINAL 2** OF THE RELAY → **TERMINAL 1** → **TERMINAL 4** OF THE DOOR LOCK SOLENOIDS → **TERMINAL 2** → **TERMINAL 6** OF THE RELAY → **TERMINAL 10** → TO **GROUND** AND CAUSES ALL THE DOORS TO UNLOCK.

## SERVICE HINTS

### D 5 DOOR CONTROL RELAY

10-GROUND : ALWAYS CONTINUITY

13-GROUND : CONTINUITY WITH FRONT LH DOOR OPEN

2-GROUND : ALWAYS APPROX. 12 VOLTS

1-GROUND : APPROX. 12 VOLTS 0.2 SECONDS WITH FOLLOWING OPERATION

\* DOOR LOCK CONTROL SW UNLOCKED

\* DOOR LOCK CONTROL SW LOCKED WITH IGNITION KEY IN CYLINDER AND DRIVER'S DOOR OPEN (IGNITION KEY REMINDER FUNCTION)

\* DOOR LOCK KNOB LOCKED WITH IGNITION KEY IN CYLINDER AND DRIVER'S DOOR OPEN (IGNITION KEY REMINDER FUNCTION)

\* UNLOCKING THE DRIVER'S, PASSENGER'S DOOR CYLINDER WITH KEY

6-GROUND : APPROX. 12 VOLTS 0.2 SECONDS WITH FOLLOWING OPERATION

\* DOOR LOCK CONTROL SW LOCKED

\* LOCKING THE DRIVER'S PASSENGER'S DOOR CYLINDER WITH KEY

4-GROUND : CONTINUITY WITH DOOR LOCK CONTROL SW LOCKED OR DRIVER'S, PASSENGER'S DOOR LOCK CYLINDER LOCKED WITH KEY

7-GROUND : CONTINUITY WITH FRONT RH DOOR OPEN

9-GROUND : CONTINUITY WITH FRONT LH DOOR LOCK KNOB UNLOCKED

11-GROUND : CONTINUITY WITH FRONT RH DOOR LOCK KNOB UNLOCKED

12-GROUND : APPROX. 12 VOLTS WITH IGNITION KEY IN CYLINDER

3-GROUND : CONTINUITY WITH DOOR LOCK CONTROL SW UNLOCKED OR DRIVER'S, PASSENGER'S DOOR LOCK CYLINDER UNLOCKED WITH KEY

### D 6, D 7 DOOR COURTESY SW

1-GROUND : CLOSED WITH DOOR OPEN

### D14, D15 DOOR KEY LOCK AND UNLOCK SW

1-2 : CLOSED WITH DOOR LOCK CYLINDER UNLOCKED WITH KEY

2-3 : CLOSED WITH DOOR LOCK CYLINDER LOCKED WITH KEY

### D17, D18 DOOR LOCK SOLENOID

1-3 : CLOSED WITH UNLOCK POSITION

### I14 UNLOCK WARNING SW

1-2 : CLOSED WITH IGNITION KEY IN CYLINDER

**○ : PARTS LOCATION**

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C 6	22	D15	23	D20	23
D 5	22	D16	23	I14	22
D 6	22	D17	23	P 5	23
D 7	22	D18	23		
D14	23	D19	23		

**○ : RELAY BLOCKS**

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
2	18	R/B NO. 2 (ENGINE COMPARTMENT RIGHT)

**□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS**

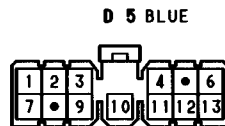
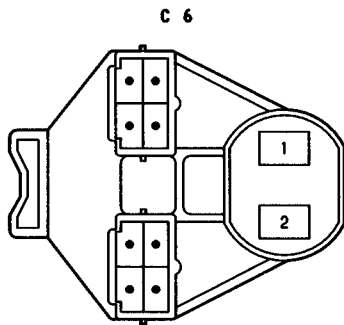
CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EB2	24 (3VZ-E)	COWL WIRE AND ENGINE ROOM MAIN WIRE (R/B NO. 2)
	26 (22R-E)	
IF1	28	FRONT DOOR LH WIRE AND COWL WIRE (LEFT KICK PANEL)
I11	28	FRONT DOOR RH WIRE AND COWL WIRE (RIGHT KICK PANEL)
I12		
BK2	30	COWL WIRE AND FLOOR NO. 3 LH WIRE (LEFT SIDE OF FRONT LH SEAT)
BM1	30	FLOOR NO. 3 RH WIRE AND COWL WIRE (RIGHT SIDE OF FRONT RH SEAT)
BO1	30	REAR DOOR LH WIRE AND FLOOR NO. 3 LH WIRE (LEFT CENTER PILLAR)
BP1	30	REAR DOOR RH WIRE AND FLOOR NO. 3 RH WIRE (RIGHT CENTER PILLAR)

**▽ : GROUND POINTS**

CODE	SEE PAGE	GROUND POINTS LOCATION
IE	28	LEFT KICK PANEL

**○ : SPLICE POINTS**

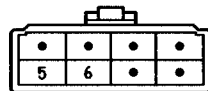
CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I 1	28	COWL WIRE	B 3	30	FRONT DOOR LH WIRE
I 2			B 4		
B 2	30	FRONT DOOR LH WIRE	B 5	30	FRONT DOOR RH WIRE



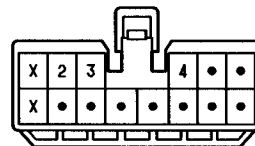
**D17, D18, D19, D20**



**I14 BLACK**



**(4D00R) P 5 (A)**



**(2D00R) P 5 (B)**

