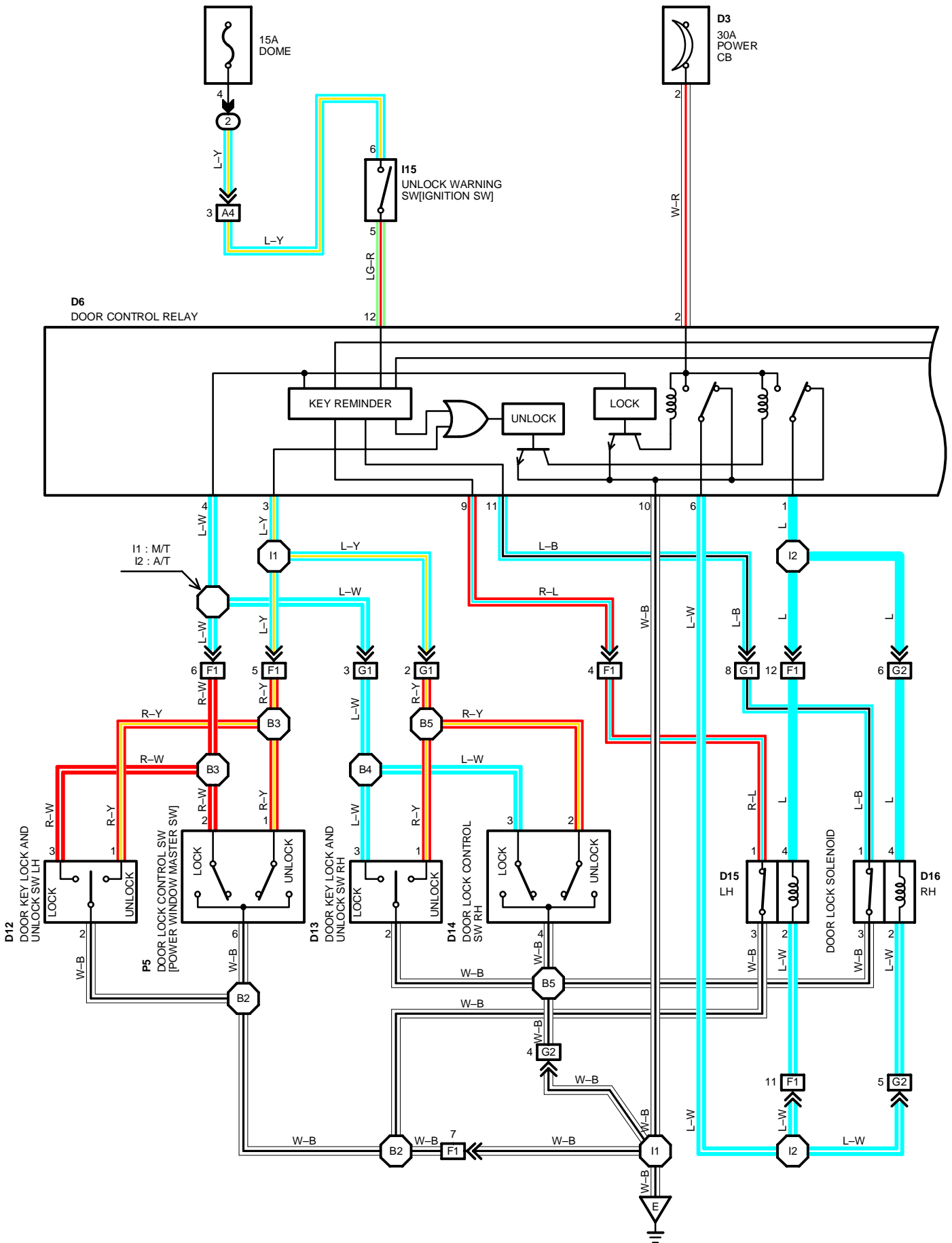


DOOR LOCKS



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 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.

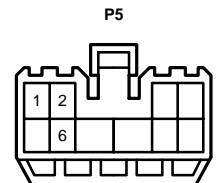
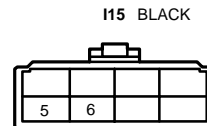
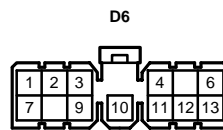
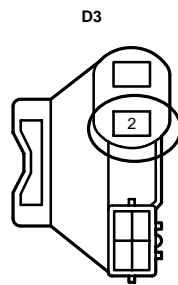
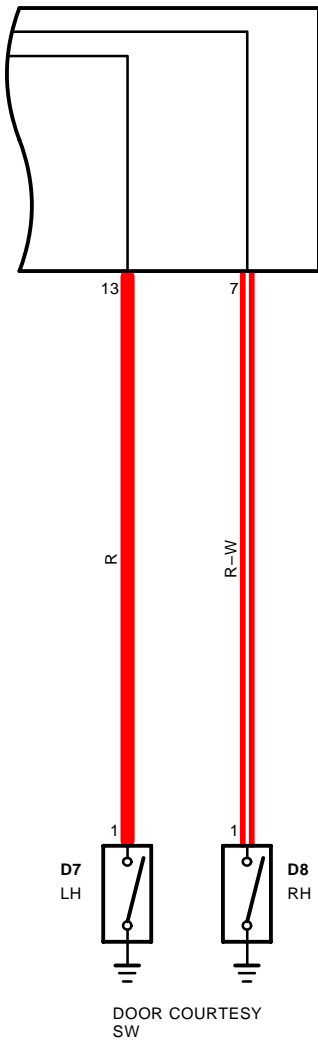
3. IGNITION KEY REMINDER OPERATION

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

WITH IGNITION KEY IN CYLINDER (UNLOCK WARNING SW ON), WHEN THE DOOR IS OPENED 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 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 DOOR TO UNLOCK.



DOOR LOCKS

SERVICE HINTS

D6 DOOR LOCK CONTROL RELAY

- 10-GROUND : ALWAYS CONTINUITY.
- 13-GROUND : CONTINUITY WITH DRIVER'S 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 : 0 VOLTS WITH DOOR LOCK CONTROL SW LOCKED OR DRIVER'S, PASSENGER'S DOOR LOCK CYLINDER LOCKED WITH KEY.
- 7-GROUND : CONTINUITY WITH PASSENGER'S DOOR OPEN.
- 9-GROUND : CONTINUITY WITH DRIVER'S DOOR LOCK KNOB UNLOCKED.
- 11-GROUND : CONTINUITY WITH PASSENGER'S DOOR LOCK KNOB UNLOCKED.
- 12-GROUND : APPROX. 12 VOLTS WITH IGNITION KEY IN CYLINDER.
- 3-GROUND : 0 VOLTS WITH DOOR LOCK CONTROL SW UNLOCKED OR DRIVER'S, PASSENGER'S DOOR LOCK CYLINDER UNLOCKED WITH KEY

D7, D8 DOOR COURTESY SW

- 1-GROUND : CLOSED WITH DOOR OPEN.

D12, D13 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.

D15, D16 DOOR LOCK SOLENOID

- 1-2 : CLOSED WITH UNLOCK POSITION

I15 UNLOCK WARNING SW

- 1-2 : CLOSED WITH IGNITION KEY IN CYLINDER.

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
D3	24	D12	25	D16	25
D6	24	D13	25	I15	24
D7	24	D14	25	P5	25
D8	24	D15	25		

○ : RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
2	17	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)
A4	26 (3VZ-E)	COWL WIRE AND ENGINE ROOM MAIN WIRE (R/B NO.2)
	28 (22R-E)	
	30 (22R)	
F1	32	DOOR LEFT WIRE AND COWL WIRE (LEFT KICK PANEL)
G1	32	DOOR RIGHT WIRE AND COWL WIRE (RIGHT KICK PANEL)
G2		

▽ : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
E	32	LEFT KICK PANEL

○ : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I1	32	COWL WIRE	B3	34	LH DOOR WIRE
I2			B4		
B2	34	LH DOOR WIRE	B5	34	RH DOOR WIRE