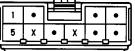
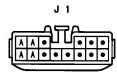
DOOR LOCK









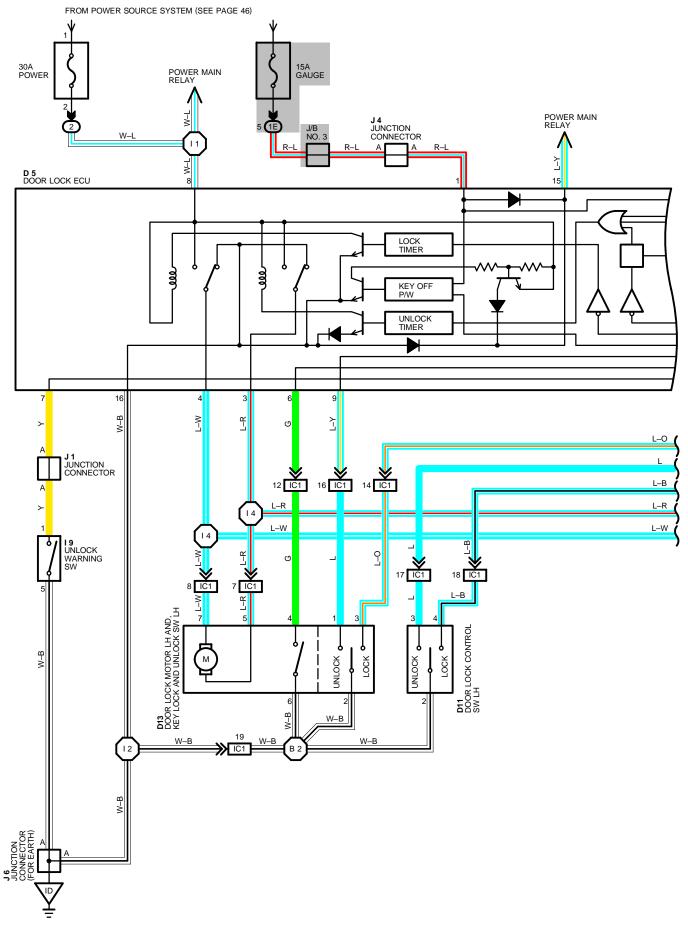


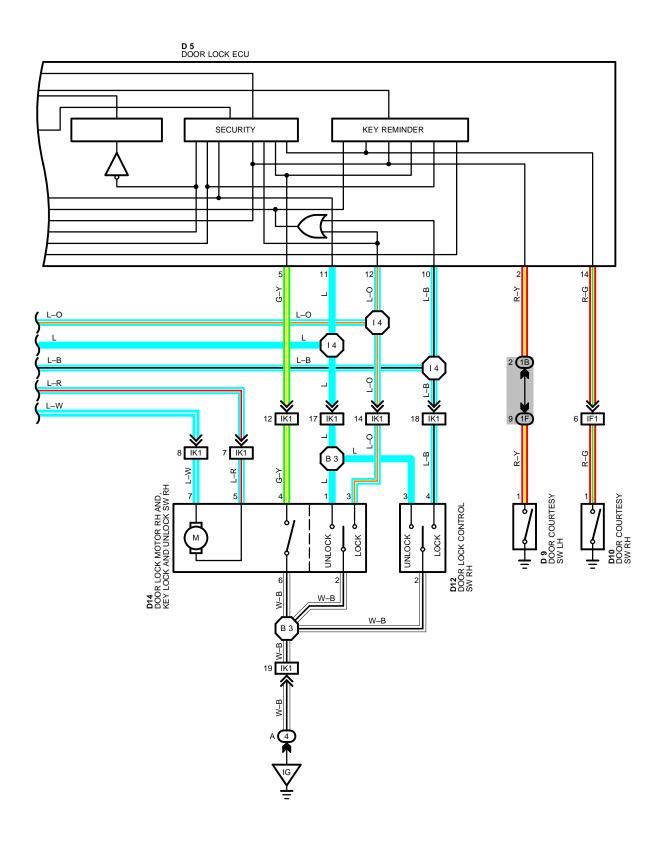


(HINT:SEE PAGE 7)

(HINT:SEE PAGE 7)

DOOR LOCK





SYSTEM OUTLINE

CURRENT ALWAYS FLOWS TO TERMINAL 8 OF THE DOOR LOCK ECU AND TERMINAL 4 OF THE POWER MAIN RELAY THROUGH POWER FUSE.

1. MANUAL LOCK OPERATION

TO CHANGE DOOR LOCK SW AND KEY SW TO LOCK POSITION, A LOCK SIGNAL IS INPUT TO TERMINAL 10, 12 OF THE DOOR LOCK ECU AND CAUSES THE RELAY TO FUNCTION. CURRENT FLOWS FROM TERMINAL 8 OF THE ECU -> TERMINAL 4 -> TERMINAL 7 OF THE DOOR LOCK MOTOR → TERMINAL 5 → TERMINAL 3 OF THE ECU → TERMINAL 16 → TO GROUND AND DOOR LOCK SOLENOID CAUSES THE DOOR TO LOCK.

2. MANUAL UNLOCK OPERATION

TO CAHNGE DOOR LOCK CONTROL SW AND KEY SW RH TO UNLOCK POSITION, AN UNLOCK SIGNAL IS INPUT TO TERMINAL 11 OF THE DOOR LOCK ECU AND CAUSES THE RELAY TO FUNCTION. CURRENT FLOWS FROM TERMINAL 8 OF THE ECU → TERMINAL 3 ightarrow Terminal 5 of the door lock motor ightarrow Terminal 7 ightarrow Terminal 4 of the ECU ightarrow Terminal 16 ightarrow To ground and DOOR LOCK SOLENOID CAUSES DOOR TO UNLOCK.

3. DOUBLE OPERATION UNLOCK OPERATION

WHEN THE DOOR LOCK KEY SW (DRIVER'S) IS TURNED TO THE UNLOCK SIDE, ONLY THE DRIVER'S DOOR IS MECHANICALLY UNLOCKED. TURNING THE DOOR LOCK KEY SW (DRIVER'S) TO THE UNLOCK SIDE CAUSES A SIGNAL TO BE INPUT TO TERMINAL 9 OF THE ECU, AND IF THE SIGNAL IS INPUT AGAIN WITHIN 3 SECONDS BY TURNING THE SWITCH TO THE UNLOCK SIDE AGAIN. CURRENT FLOWS TERMINAL 3 -> TERMINAL 5 OF DOOR LOCK MOTOR -> TERMINAL 7 -> TERMINAL 4 OF THE ECU -> TERMINAL 16 \rightarrow **GROUND**, CAUSING THE DOOR LOCK MOTOR TO OPERATE AND UNLOCK THE PASSENGER'S DOOR.

4. 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 MOTOR), THE DOOR IS LOCKED ONCE BUT EACH DOOR IS UNLOCKED SOON BY THE FUNCTION OF ECU. AS A RESULT, THE CURRENT FLOWS FROM TERMINAL 8 OF THE ECU → TERMINAL 3 → TERMINAL 5 OF THE DOOR LOCK MOTOR → TERMINAL 7 \rightarrow TERMINAL 4 OF THE ECU \rightarrow TERMINAL 16 \rightarrow 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 6 (DRIVER'S) OR 5 (PASSENGER'S) OF THE ECU. ACCORDING TO THIS INPUT SIGNAL, THE CURRENT IN ECU FLOWS FROM TERMINAL 8 OF THE ECU -> TERMINAL 3 -> TERMINAL 5 OF THE DOOR LOCK MOTOR -> TERMINAL 7 -> TERMINAL 4 OF THE ECU -> TERMINAL 16 -> TO GROUND AND CAUSES ALL THE DOOR TO UNLOCK.

IN CASE OF KEY LESS LOCK

WITH IGNITION KEY IN CYLINDER (UNLOCK WARNING SW ON), WHEN THE UNLOCK FUNCTION IS DISTURBED MORE THAN 0.2 SECONDS, FOR EXAMPLE PUSHING THE DOOR LOCK KNOB ETC., THE DOOR HOLDS ON LOCK CONDITION. CLOSING THE DOOR AFTER, DOOR COURTESY SW INPUTS THE SIGNAL INTO TERMINAL 2 OR 14 OF THE ECU. BY THIS INPUT SIGNAL, THE RELAY WORKS AND CURRENT FLOWS FROM TERMINAL 8 OF THE ECU → TERMINAL 3 → TERMINAL 5 OF THE DOOR LOCK MOTOR → TERMINAL 7 \rightarrow TERMINAL 4 OF THE ECU \rightarrow TERMINAL 16 \rightarrow TO GROUND AND CAUSES ALL THE DOORS TO UNLOCK.

D 5 DOOR LOCK ECU

SERVICE HINTS -16-GROUND : ALWAYS CONTINUITY 2-GROUND : CONTINUITY WITH DRIVER'S DOOR OPEN 8-GROUND : ALWAYS APPROX. 12 VOLTS 3-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 4-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 10-GROUND : 0 VOLTS WITH DOOR LOCK CONTROL SW LOCKED 14-GROUND : CONTINUITY WITH PASSENGER'S DOOR OPEN 6-GROUND : CONTINUITY WITH DRIVER'S DOOR LOCK KNOB UNLOCKED 5-GROUND : CONTINUITY WITH PASSENGER'S DOOR LOCK KNOB UNLOCKED 11-GROUND : 0 VOLTS WITH DOOR LOCK CONTROL SW UNLOCKED, PASSENGER'S DOOR LOCK CYLINDER UNLOCKED WITH KEY 1-GROUND : APPROX. 12 VOLTS WITH IGNITION SW AT ON POSITION

9-GROUND: 0 VOLTS WITH DRIVER'S DOOR LOCK CYLINDER UNLOCKED WITH KEY

15-GROUND : APPROX. 12 VOLTS WITH IGNITION SW AT ON POSITION

12-GROUND : 0 VOLTS WITH DRIVER'S, PASSENGER'S DOOR LOCK CYLINDER LOCKED WITH KEY

19 UNLOCK WARNING SW

1-5 : CLOSED WITH IGNITION KEY IN CYLINDER

D13, D14 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

D 9, D10 DOOR COURTESY SW

1-GROUND : CLOSED WITH DOOR OPEN

O : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
D 5	26	D12	27	J 1	26
D 9	27	D13	27	J 4	26
D10	27	D14	27	J6	26
D11	27	19	26		

: RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)		
2	23	R/B NO. 2 (LEFT KICK PANEL)		
JUNCTION BLOCK AND WIRE HARNESS CONNECTOR				

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)		
1B	10	COWL WIRE AND J/B NO. 1 (LEFT KICK PANEL)		
1E	10	COWL WIRE AND 3/B NO. 1 (LEFT RICK PANEL)		
1F	18	FLOOR WIRE AND J/B NO. 1 (LEFT KICK PANEL)		
CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS				
CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)		

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
IC1	30	FRONT DOOR LH WIRE AND COWL WIRE (LEFT KICK PANEL)
IF1	30	FLOOR WIRE AND COWL WIRE (LEFT KICK PANEL)
IK1	32	FRONT DOOR RH WIRE AND COWL WIRE (RIGHT KICK PANEL)

7 : GROUND POINTS

•		
CODE	SEE PAGE	GROUND POINTS LOCATION
ID	30	LEFT KICK PANEL
IG	30	R/B NO. 4 SET BOLT

: SPLICE POINTS

CODE	SEE PAGE	SEE PAGE WIRE HARNESS WITH SPLICE POINTS		SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
11			B 2	34	FRONT DOOR LH WIRE
12	32	COWL WIRE	B 3	34	FRONT DOOR RH WIRE
14					