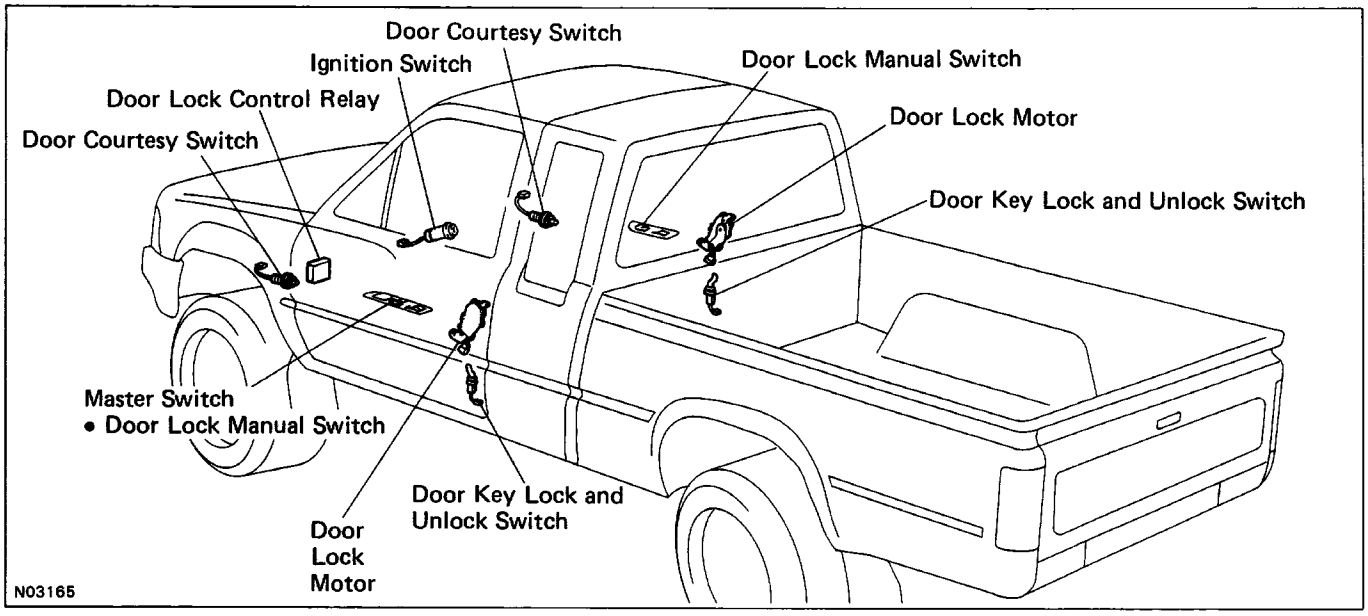
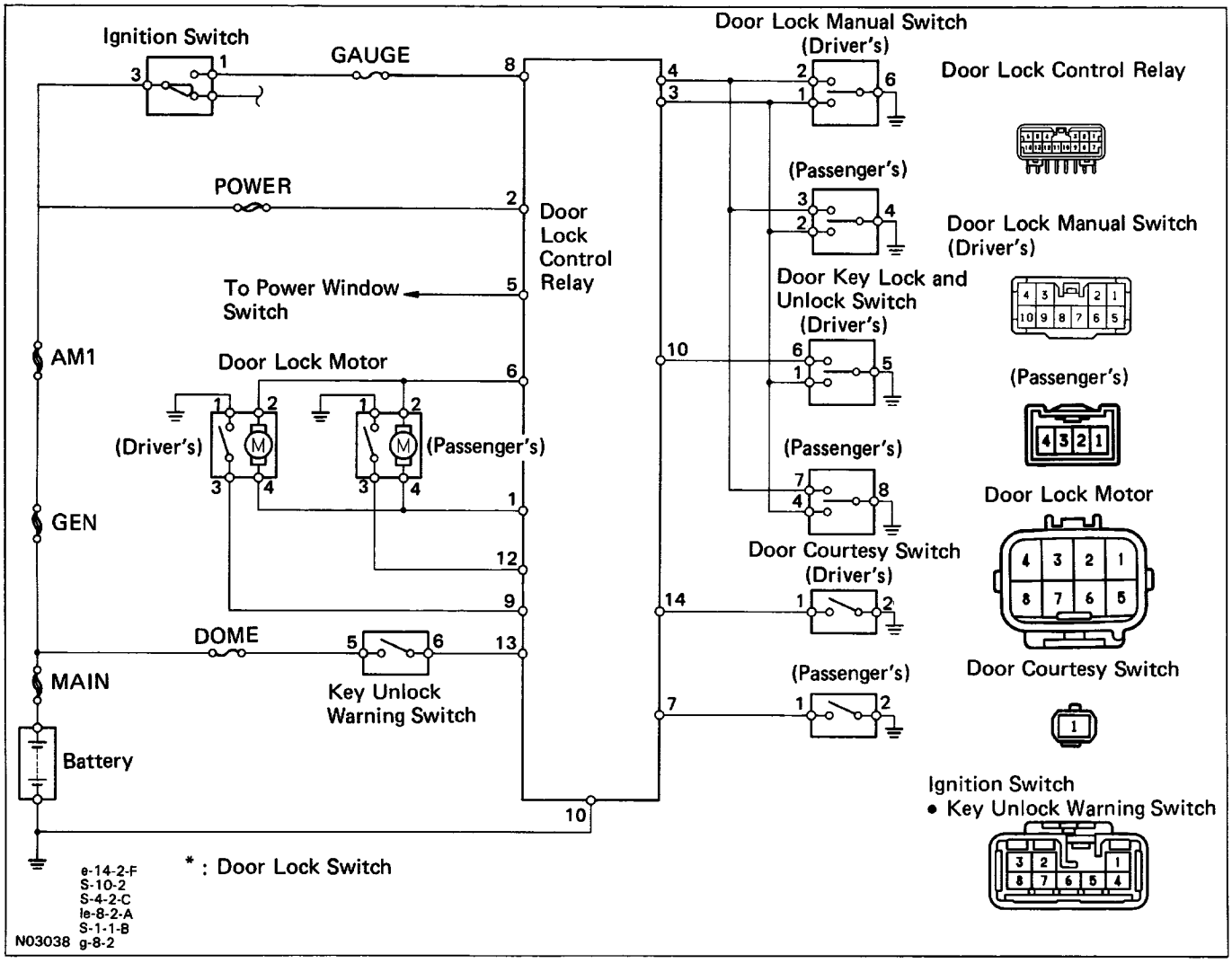
POWER DOOR LOCK CONTROL SYSTEM

Parts Location



Wiring and Connector Diagrams



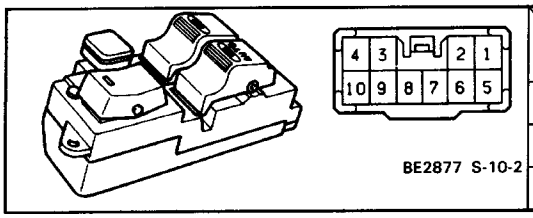
Troubleshooting

Problem	Possible cause	Remedy	Page
Door lock system does not operate at all	GAUGE fuse blown Door lock solenoid faulty Door lock control relay faulty Wiring or ground faulty	Replace fuse and check for short Check solenoid Check relay Repair as necessary	BE–3 BE–50 BE–51
Door lock system does not operate by manual switch	Door lock manual switch faulty Door lock control relay faulty Wiring or ground faulty	Check switch Check relay Repair as necessary	BE–49 BE–51
Door lock system does not operate by door key	Door key lock and unlock switch faulty Door lock control relay faulty Wiring or ground faulty	Check switch Check relay Repair as necessary	BE–49 BE–51

Parts Inspection

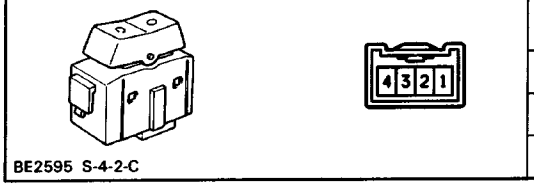
1. INSPECT SWITCHES

(Driver's Door Lock Manual Switch: in Master Switch/ Continuity)



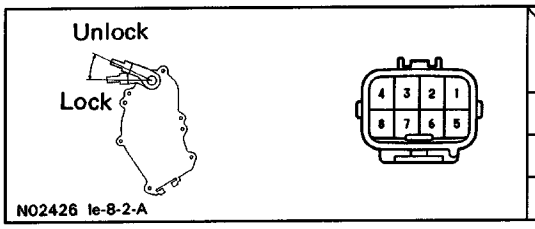
Terminal / Switch position	1	2	6
LOCK		○	○
OFF			
UNLOCK	○		○

(Passenger's Door Lock Manual Switch/ Continuity)



Terminal / Switch position	2	3	4
LOCK		○	○
OFF			
UNLOCK	○		○

(Door Key Lock and Unlock Switch/ Continuity)



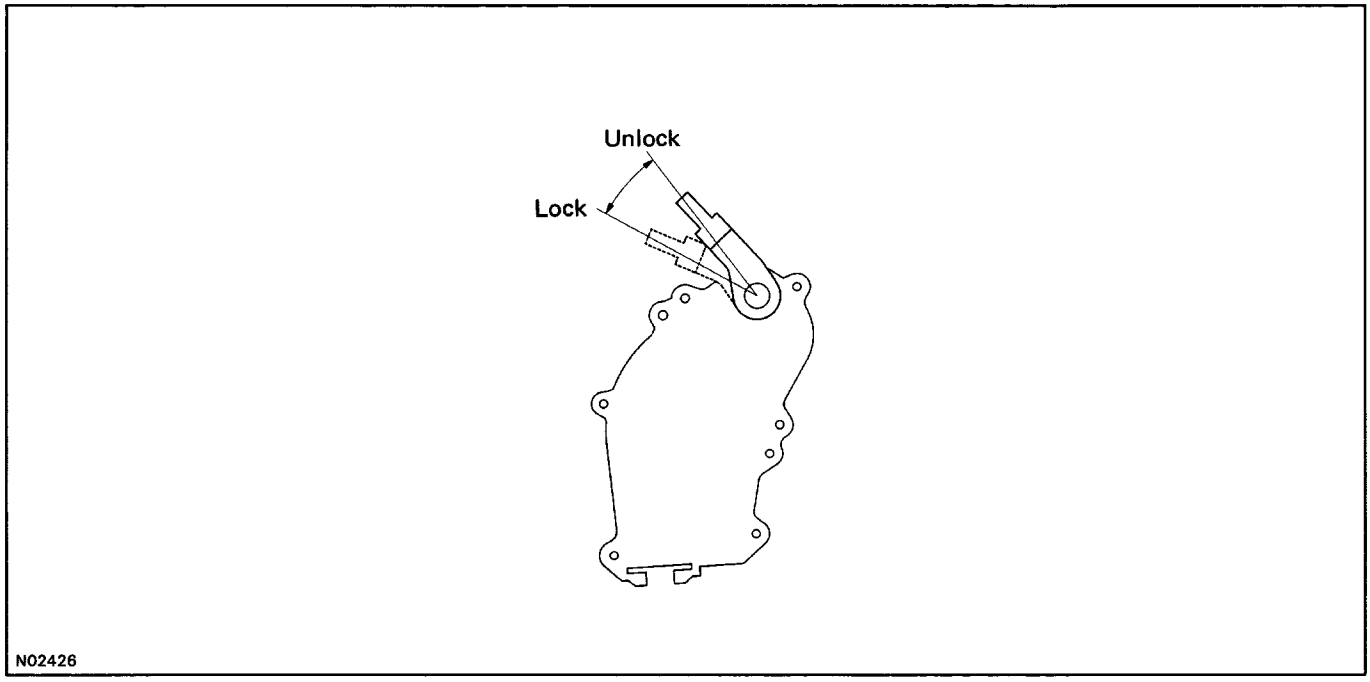
Terminal / Switch position	RH 4 LH 1	8 5	7 6
LOCK		○	○
OFF			
UNLOCK	○	○	

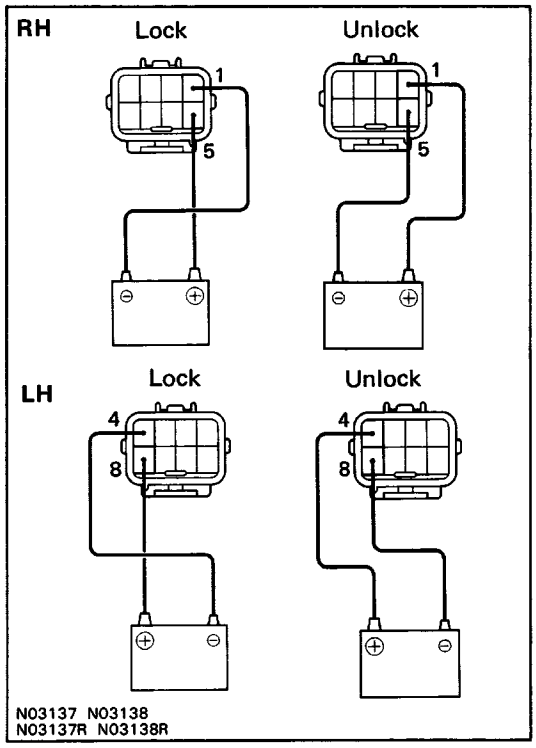
If continuity is not as specified, replace the switch.

(Key Unlock Warning Switch/ Continuity)
See Step l of Key Confine Prevention System on page BE–9.
(Door Courtesy Switch/ Continuity)
See Step of Open Door Warning System on page BE–41.

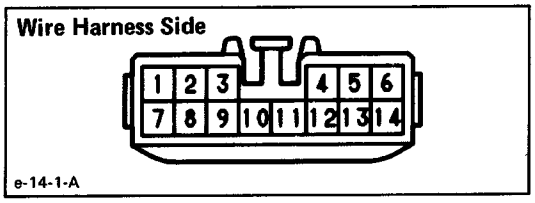
HINT: Door key lock and unlock switch is built into the front door lock assembly.

2. INSPECT DOOR LOCK MOTOR
(Motor Operation)





(a) Connect the positive (+) lead from the battery to terminal 1 and the negative (–) lead to terminal 5, check that the door lock link moves to UNLOCK position.
(b) Remove the polarity, check that the door lock link move to LOCK position.
If operation is not as specified, replace the door lock assembly.
(c) Connect the positive (+) lead from the battery to terminal 4 and the negative (–) lead to terminal 8, check that the door lock link moves to UNLOCK position.
(d) Remove the polarity, check that the door lock link move to lock position.
If operation is not as specified, replace the door lock assembly.

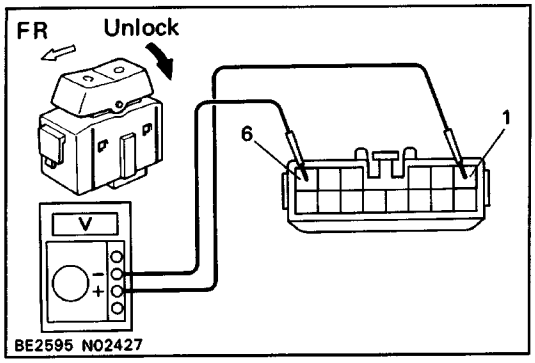


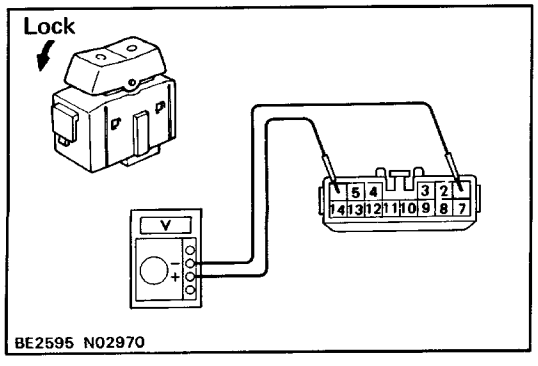
3. INSPECT DOOR LOCK CONTROL RELAY (Relay Circuit)

Disconnect the connector from the relay and inspect the connector on the wire harness side as shown in the chart.

Check for	Tester connection	Condition		Specified value
Continuity	3 — Ground	Door lock manual switch or door key lock and unlock switch position	OFF or LOCK	No continuity
			Unlock	Continuity
	4 — Ground	Door lock manual switch or door key lock and unlock switch position	OFF or Unlock	No continuity
			Lock	Continuity
	7 — Ground	Passenger's door courtesy switch position	OFF (Door closed)	No continuity
			ON (Door opened)	Continuity
	9 — Ground	Driver's door lock switch position	Unlock	Continuity
			Lock	No continuity
	11 — Ground	Constant		Continuity
	12 — Ground	Passenger's door lock switch po–sition	Unlock	Continuity
			Lock	No continuity
	14 — Ground	Driver's door courtesy switch position	OFF (Door–closed)	No continuity
			ON (Door opened)	Continuity
Voltage	2 — Ground	Constant		Battery positive voltage
	8 — Ground	Ignition switch position	LOCK or ACC	No voltage
			ON	Battery positive voltage
	13 — Ground	Key unlock warning switch posi–tion	OFF (Ignition key removed)	No voltage
			ON (Ignition key set)	Battery positive voltage

If circuit is as specified, inspect the door lock signal and key–off power window signal.



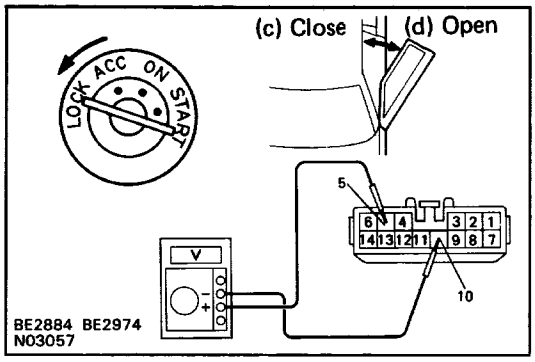


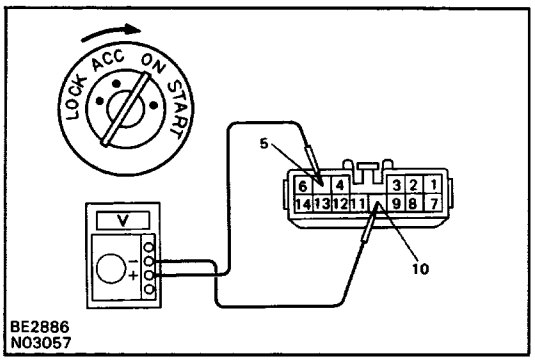
(Door Lock Signal)

HINT: When the relay circuit is as specified, inspect the door lock signal.

(a) Connect the connector to the relay.
(b) Connect the positive (+) lead from the voltmeter to terminal 1 and negative (–) lead to terminal 6.
(c) Set the door lock manual switch to UNLOCK, check that the voltage rises from 0 V to battery positive voltage for approximately 0.2 seconds.
(d) Reverse the polarity of the voltmeter leads.
(e) Set the door–lock manual switch to LOCK, check that the voltage rises from 0 V to battery positive voltage for approximately 0.2 seconds.

If operation is not as specified, replace the relay.





(Key–Off Power Window Signal)

HINT: When the relay circuit is as specified, inspect the key–off power window signal.

(a) Connect the connector to the relay.

(b) Connect the positive (+) lead from the voltmeter to terminal 5 and negative (–) lead to terminal 10.

(c) Close the door with ignition switch turned to LOCK or ACC, check that the meter needle indicates battery positive voltage.

(d) Open the door, check that the meter needle indicates 0 V.

(e) Turn the ignition switch ON, check that the meter needle indicates battery positive voltage again.
If operation is not as specified, replace the relay.