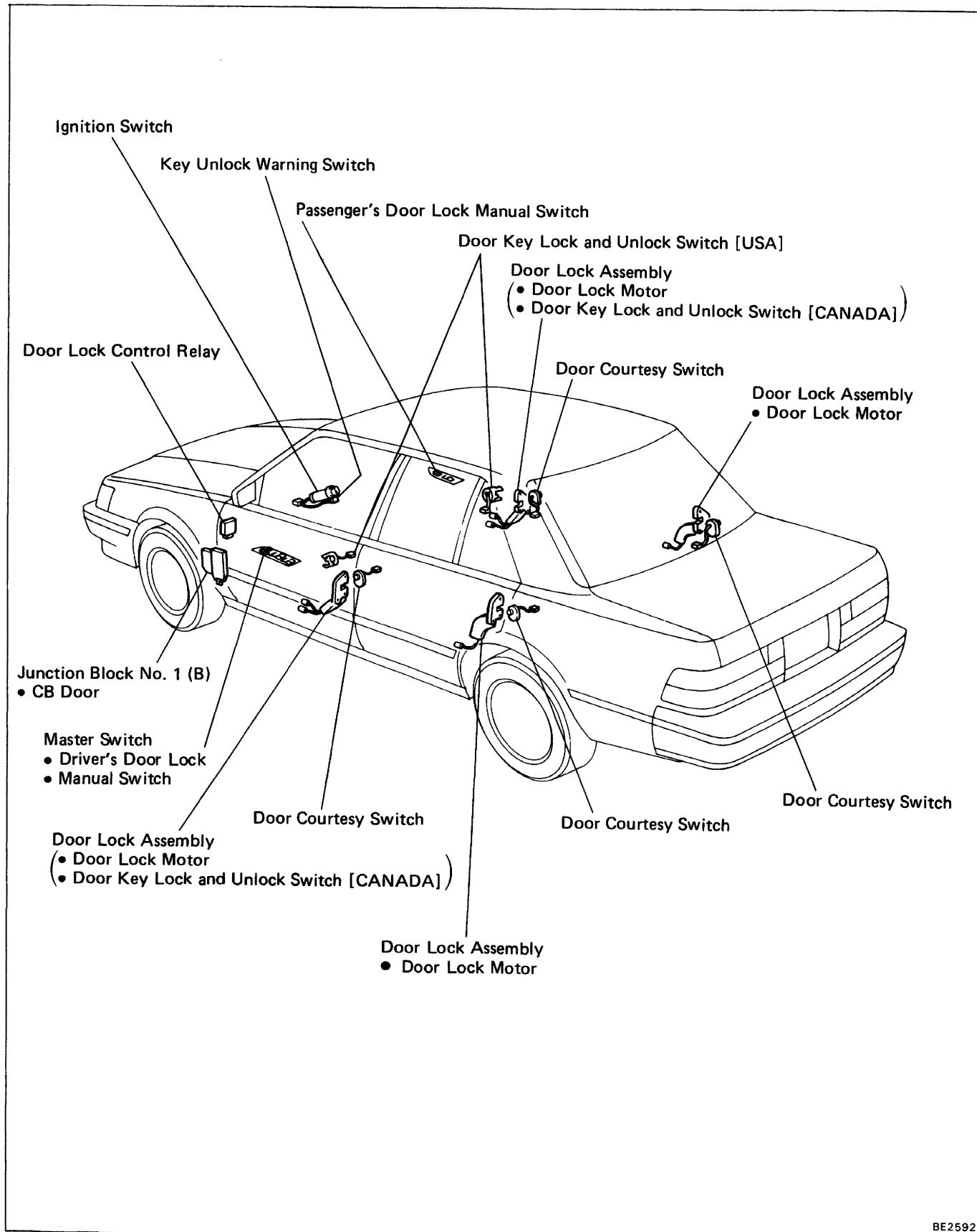
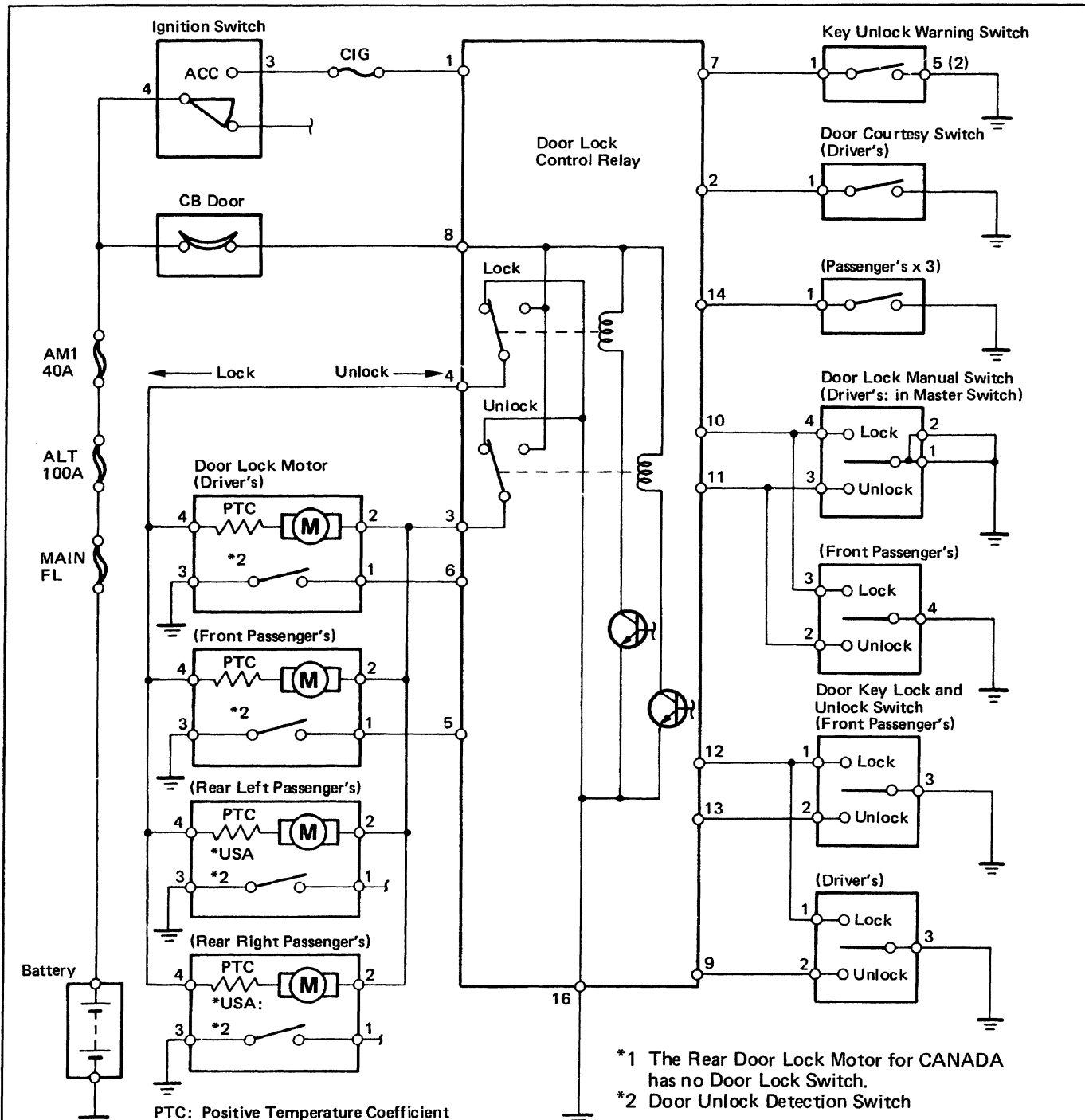


POWER DOOR LOCK CONTROL SYSTEM

Parts Location



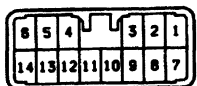
Wiring and Connector Diagrams



PTC: Positive Temperature Coefficient

*1 The Rear Door Lock Motor for CANADA has no Door Lock Switch.
 *2 Door Unlock Detection Switch

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



(Front Passenger's)



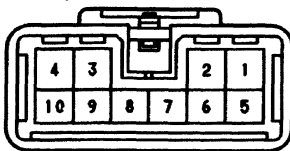
Door Key Lock and Unlock Switch



Door Lock Motor



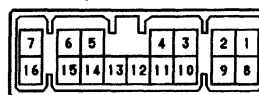
Ignition Switch
 • Key Unlock Warning Switch



Door Courtesy Switch



Door Lock Control Relay



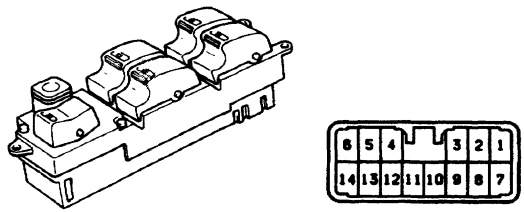
Troubleshooting

Problem	Possible cause	Remedy	Page
Door Lock system does not operate at all	C8 Power blown	Replace fuse and check for short	BE-3
	Door lock motor faulty	Check motor	BE-61
	Door lock control relay faulty	Check relay	BE-62
	Wiring or ground faulty	Repair as necessary	
Door Lock system does not operate by manual switch	Door lock manual switch faulty Wiring faulty	Check switch Repair as necessary	BE-60
Door lock system does not operate by door key	Door key lock and unlock switch faulty Wiring faulty Door lock link disconnected	Check switch Repair as necessary Connect link	BE-60

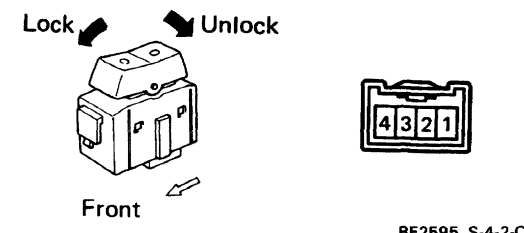
Parts Inspection

1. INSPECT SWITCHES

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

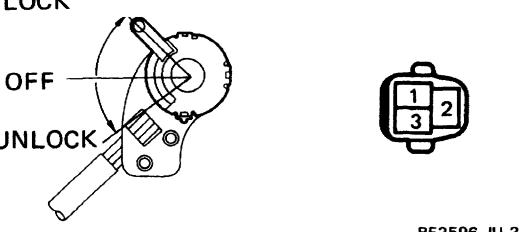
 <p style="text-align: center;">BE2594 S-14-2-B</p>	Terminal Switch position	1 and 2	3	4
	LOCK	○————○		
	OFF			
	UNLOCK	○————○		

(Passenger's Door Lock Manual Switch/ Continuity)

 <p style="text-align: center;">BE2595 S-4-2-C</p>	Terminal Switch position	2	3	4
	LOCK		○————○	
	OFF			
	UNLOCK	○————○		

(Door Key Lock and Unlock Switch/ Continuity)

[CANADA]

 <p style="text-align: center;">BE2596 IU-3-1</p>	Terminal Switch position	1	2	3
	LOCK	○————○		
	OFF			
	UNLOCK		○————○	

[USA]

See step 2 of Theft Deterrent System on Page BE-140.
If continuity is not as specified, replace the switch.

(Key Unlock Warning Switch/ Continuity)

See Step 1 of Key Confine Prevention System on Page BE-9.

(Door Courtesy Switch/ Continuity)

See Step 2 of Seat Belt Warning System on page BE-45.

2. INSPECT DOOR LOCK MOTOR

(Motor Operation)

(a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 4, check that the door lock link moves to UNLOCK position.

(b) Reverse the polarity, check that the door lock link moves to LOCK position.

If operation is not as specified, replace the door lock assembly.

(PTC Thermistor Operation)

Inspection using an ammeter.

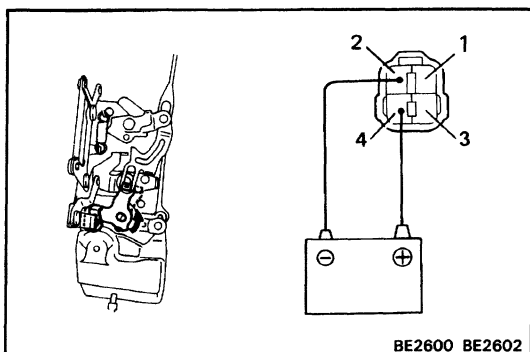
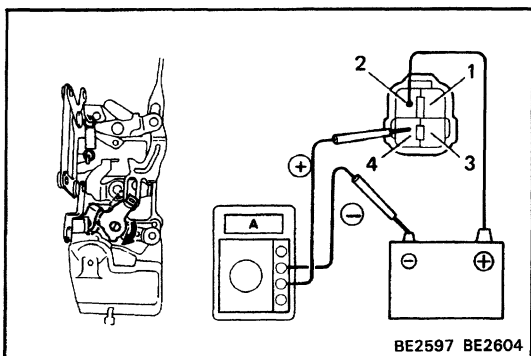
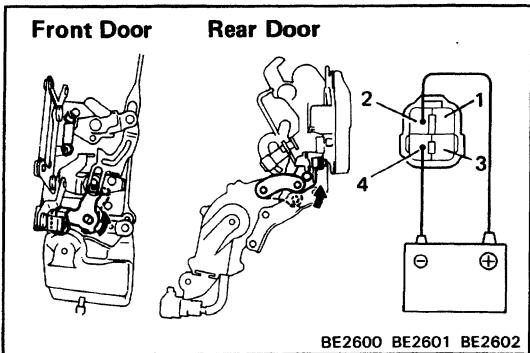
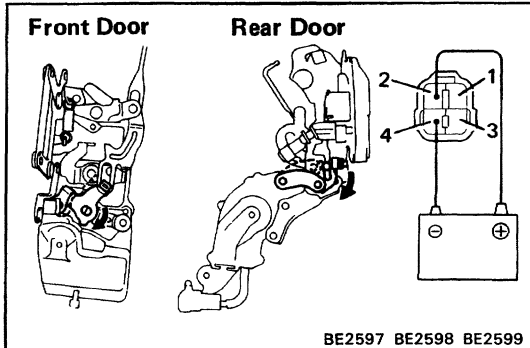
(a) Connect the positive (+) lead from the battery to terminal 2.

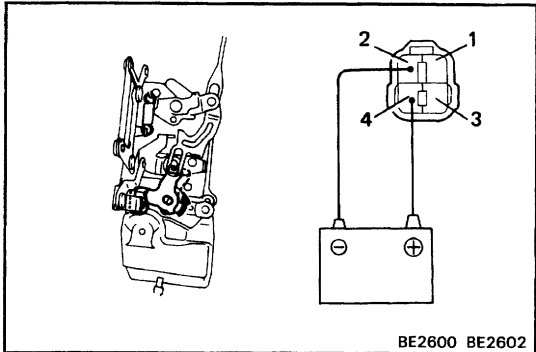
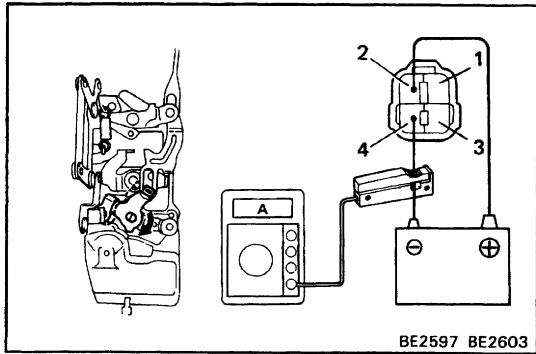
(b) Connect the positive (+) lead from the ammeter to terminal 4 and the negative (-) lead to battery negative (-) terminal, check that the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.

(c) Disconnect the leads from terminals.

(d) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 4 and the negative (-) lead to terminal 2, check that the door lock moves to LOCK position.

If operation is not as specified, replace the door lock assembly.





Inspection using an ammeter with a current-measuring probe.

- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 4.
- (b) Attach a current-measuring probe to either the positive (+) lead or the negative (-) lead, check that the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.

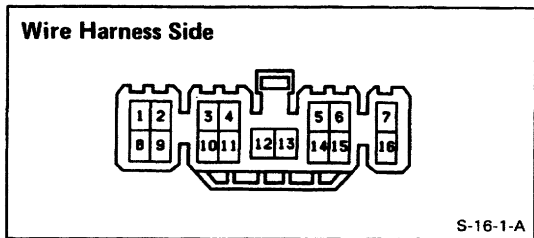
- (c) Disconnect the leads from terminals.
- (d) Approximately 60 seconds later, reverse the polarity, check that the door lock moves to LOCK position. If operation is not as specified, replace the door lock assembly.

(Door Unlock Detection Switch/ Continuity)

OFF	ON		
			Terminal
			Switch position
OFF (Door lock set to LOCK)			1 3
ON (Door lock set to UNLOCK)			○ — ○

BE2597 BE2600 IS-4-2B

If continuity is not as specified, replace the door lock assembly.

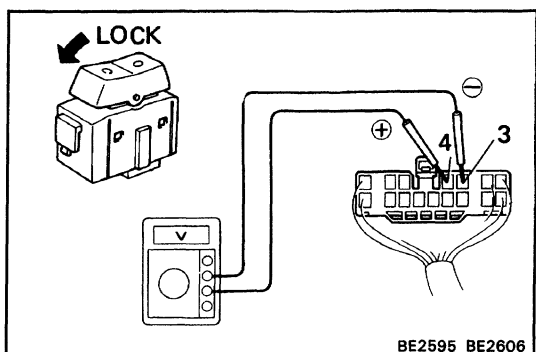
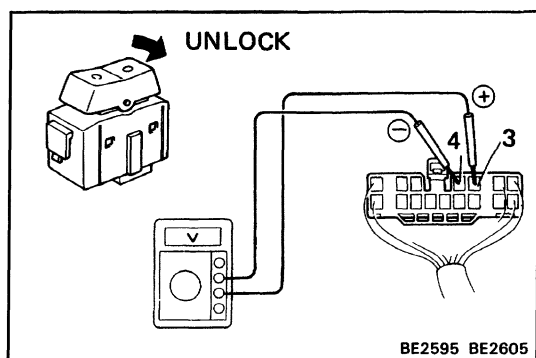


3. INSPECT DOOR LOCK CONTROL RELAY (Relay Circuit)

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	2 - Ground	Driver's door courtesy switch position	OFF (Door closed)	No continuity
			ON (Door opened)	Continuity
	5 - Ground	Passenger's door unlock detection switch position	OFF (Door locked)	No continuity
			ON (Door unlocked)	Continuity
	6 - Ground	Driver's door unlock detection switch position	OFF (Door locked)	No continuity
			ON (Door unlocked)	Continuity
	7 - Ground	Key unlock warning switch position	OFF (Ignition key removed)	No continuity
			ON (Ignition key set)	Continuity
	9 - Ground	Driver's door key lock and unlock switch position	OFF or Lock (Door key free or turned to lock)	No continuity
			Unlock (Door key turned to unlock)	Continuity
	10 - Ground	Door lock manual switch position	OFF or Unlock	No continuity
			Lock	Continuity
11 - Ground	Door lock manual switch position	OFF or Lock	No continuity	
		Unlock	Continuity	
12 - Ground	Door key lock and unlock switch position	OFF or Unlock (Door key free or turned to unlock)	No continuity	
		Lock (Door key turned to lock)	Continuity	
13 - Ground	Passenger's door key lock and unlock switch position	OFF or Lock (Door key free or turned to lock)	No continuity	
		Unlock (Door key turned to unlock)	Continuity	
14 - Ground	Passenger's door courtesy switch position	OFF (Door closed)	No continuity	
		ON (Door opened)	Continuity	
16 - Ground	Constant		Continuity	
Voltage	1 - Ground	Ignition switch position	LOCK	No voltage
			ACC or ON	Battery voltage
	8 - Ground	Constant		Battery voltage

If circuit is as specified, inspect the door lock signal.



(Door Lock Signal)

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

- Connect the connector to the relay.
- Connect the positive (+) lead from the voltmeter to terminal 3 and the negative (-) lead to terminal 4.
- Set the door lock manual switch to UNLOCK, check that the voltage rises from 0 V to battery voltage for approximately 0.2 seconds.
- Reverse the polarity of the voltmeter leads.
- Set the door lock manual switch to LOCK, check that the voltage rises from 0 V to battery voltage for approximately 0.2 seconds.

If operation is not as specified, replace the relay.