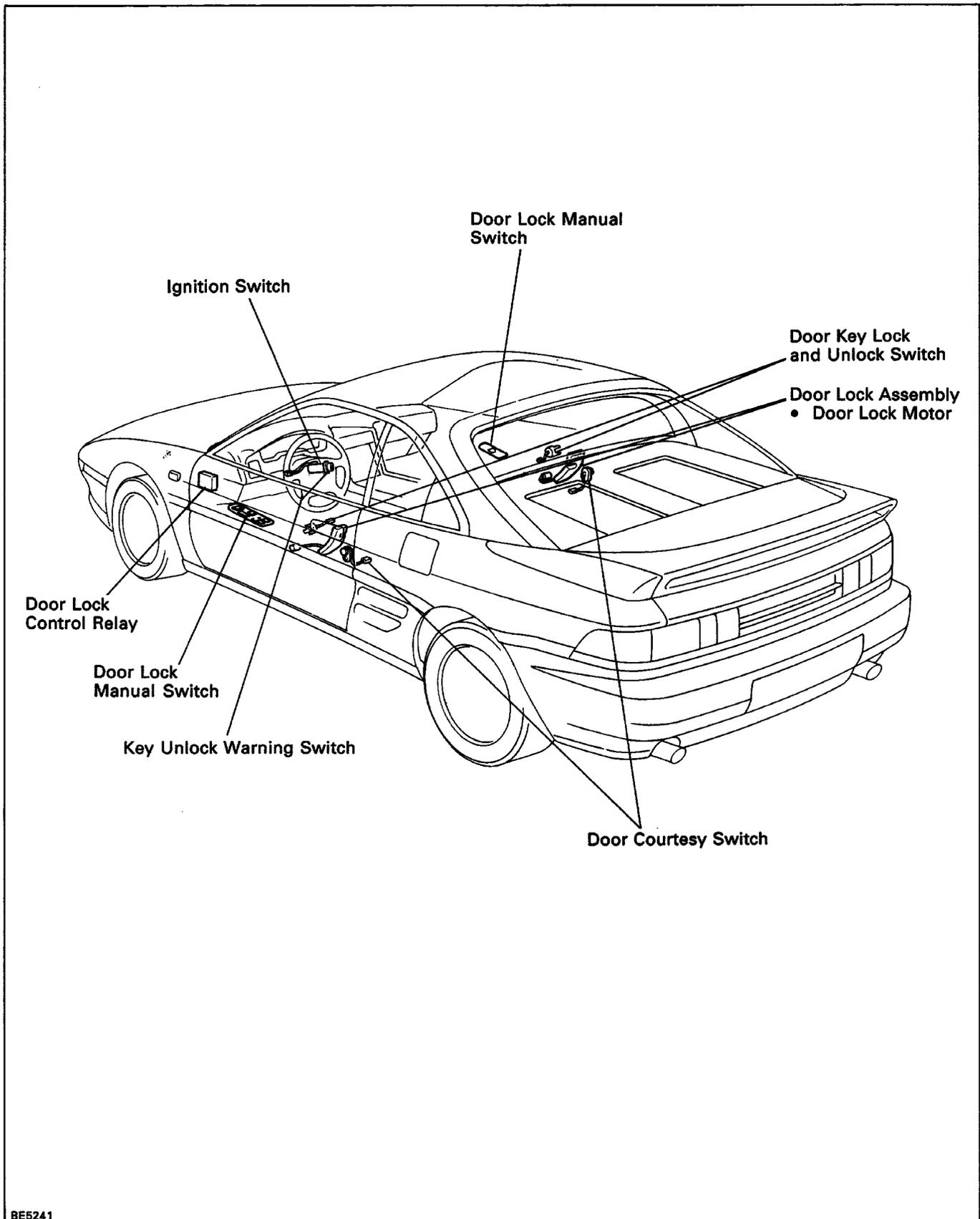
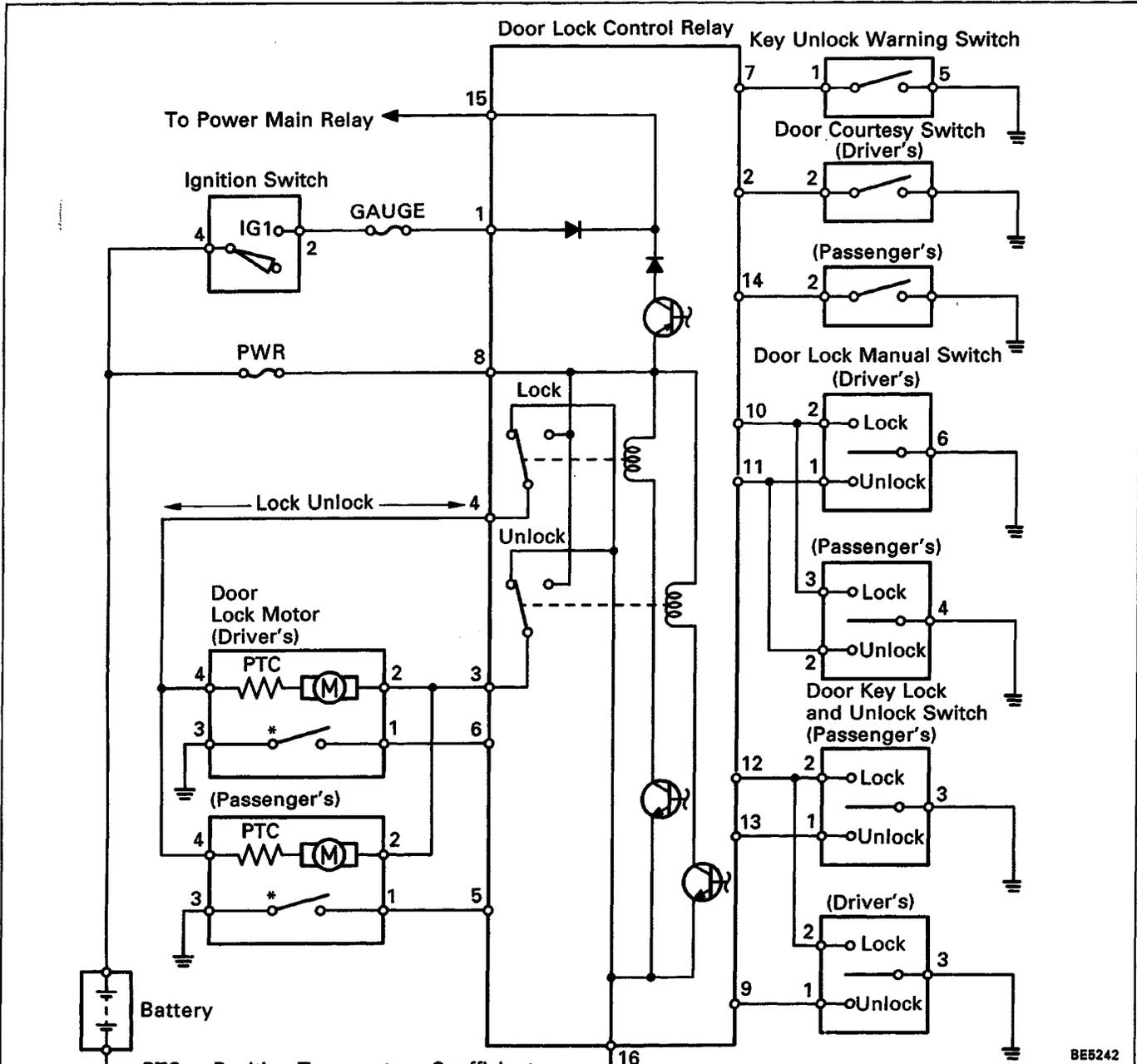


# POWER DOOR LOCK CONTROL SYSTEM

## PARTS LOCATION



# WIRING AND CONNECTOR DIAGRAM

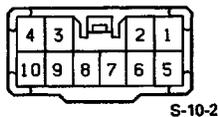


PTC: Positive Temperature Coefficient  
 \* Door Lock and Unlock Switch

The POWER SOURCE CIRCUIT has been simplified.  
 For full details, see page BE-8.

BE5242

Door Lock Manual Switch (Driver's) (Passenger's)



S-10-2



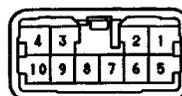
S-4-2-C

Door Key Lock and Unlock Switch



1e-3-1

Key Unlock Warning Switch



g-10-2-B

Door Courtesy Switch

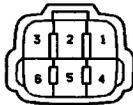


e-2-1-G

Door Lock Motor (w/o Theft Deterrent System) (w/ Theft Deterrent System)

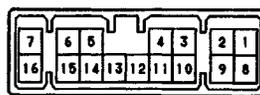


IS-4-2-B



IS-6-2-B

Door Lock Control Relay



S-16-2-A



# MASTER SWITCH

## DRIVER'S DOOR LOCK MANUAL SWITCH INSPECTION

DRIVER'S DOOR LOCK MANUAL SWITCH: IN MASTER SWITCH/CONTINUITY

	Terminal	1	2	5	6
	Switch position				
	LOCK	○	○	○	○
	OFF				
	UNLOCK	○	○	○	○

# PASSENGER'S DOOR LOCK MANUAL SWITCH

## PASSENGER'S DOOR LOCK MANUAL SWITCH INSPECTION CONTINUITY

	Terminal	2	3	4
	Switch position-			
	LOCK		○	○
	UNLOCK	○		○

# DOOR KEY LOCK AND UNLOCK SWITCH

## DOOR KEY LOCK AND UNLOCK SWITCH INSPECTION CONTINUITY

LH	RH		Terminal	1	2	3
LOCK	UNLOCK		UNLOCK	LOCK		
					○	○
					○	○

If continuity is not as specified, replace the switch.

# KEY UNLOCK WARNING SWITCH

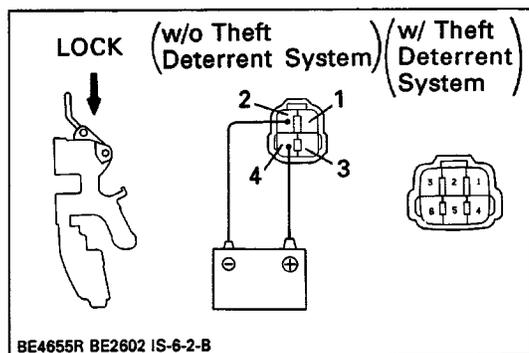
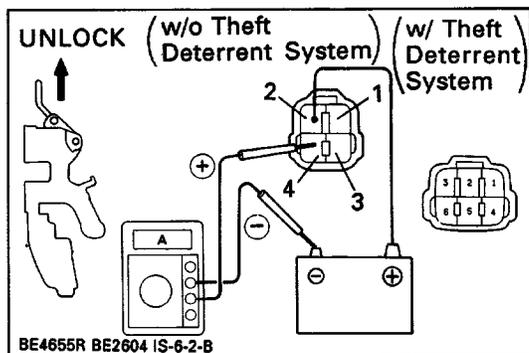
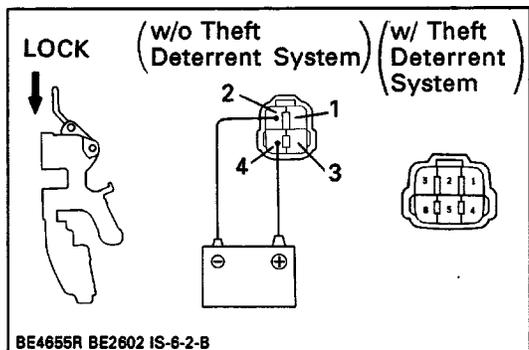
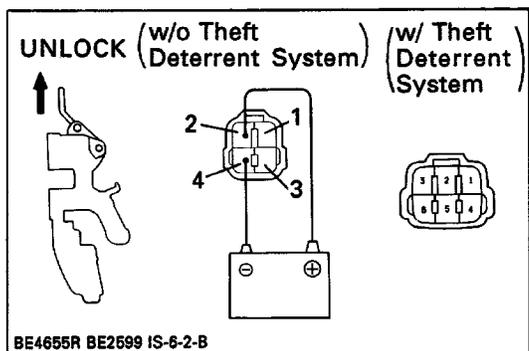
## KEY UNLOCK WARNING SWITCH INSPECTION

See Key Confine Prevention System on page [BE-11](#).

# DOOR COURTESY SWITCH

## DOOR COURTESY SWITCH INSPECTION

See Interior Light System .on page [BE-49](#).



## DOOR LOCK MOTOR

### DOOR LOCK MOTOR INSPECTION

#### MOTOR OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 2 (2) and the negative (-) lead to terminal 4 (5), check that the door lock link moves to UNLOCK position.

HINT: The number in brackets ( ) applies to vehicles w/ Theft Deterrent System.

- (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.

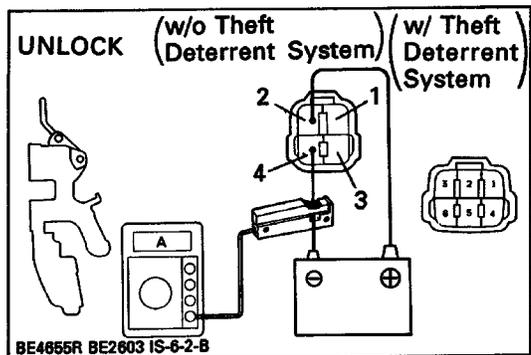
#### PTC THERMISTER OPERATION

#### INSPECTION USING AN AMMETER

- (a) Connect the positive (+) lead from the battery to terminal 2 (2).
- (b) Connect the positive (+) lead from the ammeter to terminal 4 (5) and the negative H lead to battery negative (-) terminal, check that the current changes from approximately 3.2 ampere to less than 0.5 ampere within 10 to 60 seconds.
- (c) Disconnect the leads from terminals.
- (d) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 4 (5) and the negative (-) lead to terminal 2 (2), check that the door lock moves to LOCK position.

HINT: The number in brackets ( ) applies to vehicles w/ Theft Deterrent System.

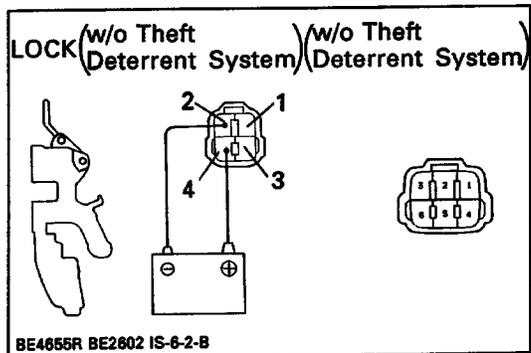
If operation is not as specified, replace the door lock assembly.



**INSPECTION USING AN AMMETER WITH A CURRENT-MEASURING PROBE.**

- (a) Connect the positive (+) lead from the battery to terminal 2
- (2) and the negative H lead to terminal 4 (5).
- (b) Attach a current-measuring probe to either the positive (+) lead or the negative (-) lead, check that the current changes from approximately 3.2 ampere to less than 0.5 ampere within 10 to 60 seconds.

HINT: The number in brackets ( ) applies to vehicles w/ Theft Deterrent System.



- (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 LOCK AND UNLOCK SWITCH**

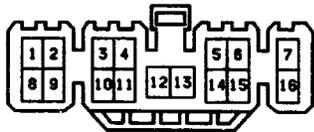
**CONTINUITY**

Terminal	1 (1)	3 (4)
Switch position		
OFF (Door lock set to LOCK)		
ON (Door lock set to UNLOCK)	○	○

HINT: The number in brackets ( ) applies to vehicles w/ Theft Deterrent System.

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

## Wire Harness Side



S-16-1-A

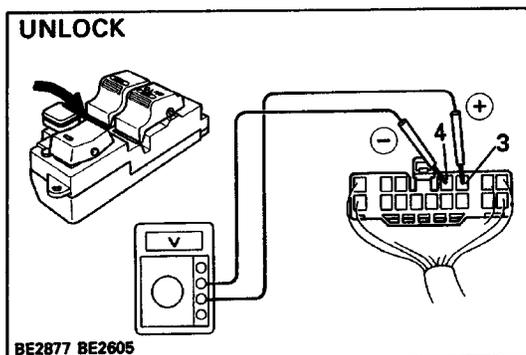
## DOOR LOCK CONTROL RELAY

### DOOR LOCK CONTROL RELAY INSPECTION RELAY CIRCUIT

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

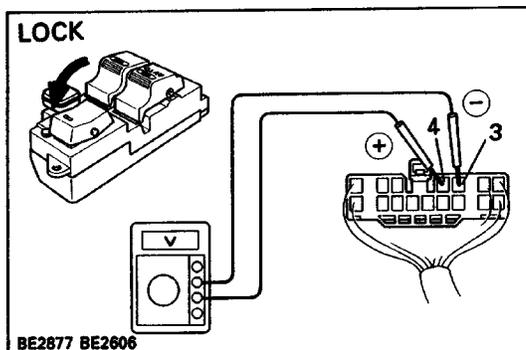
Check for	Tester connection	Condition	Specified value	
Continuity	2 – Ground	Driver's door courtesy switch position	OFF (Door– closed)	No continuity
			ON (Door– opened)	Continuity
	5 – Ground	Passenger's door lock and unlock switch position	OFF (Door locked)	No continuity
			ON (Door unlocked)	Continuity
	6 – Ground	Driver's door lock and unlock 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 or ACC	No voltage
			ON	Battery voltage
	8 – Ground	Constant		Battery voltage
Resistance	15 – Ground	Constant		Approx. 600

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.

- (a) Connect the connector to the relay.  
(by Connect the positive (+) lead from the voltmeter to terminal 3 and the negative (-) lead to terminal 4.
- (c) Set the door lock manual switch to UNLOCK, check that the voltage rises from 0 volts to battery 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 volts to battery voltage for approximately 0.2 seconds.  
If operation is not as specified, replace the relay.