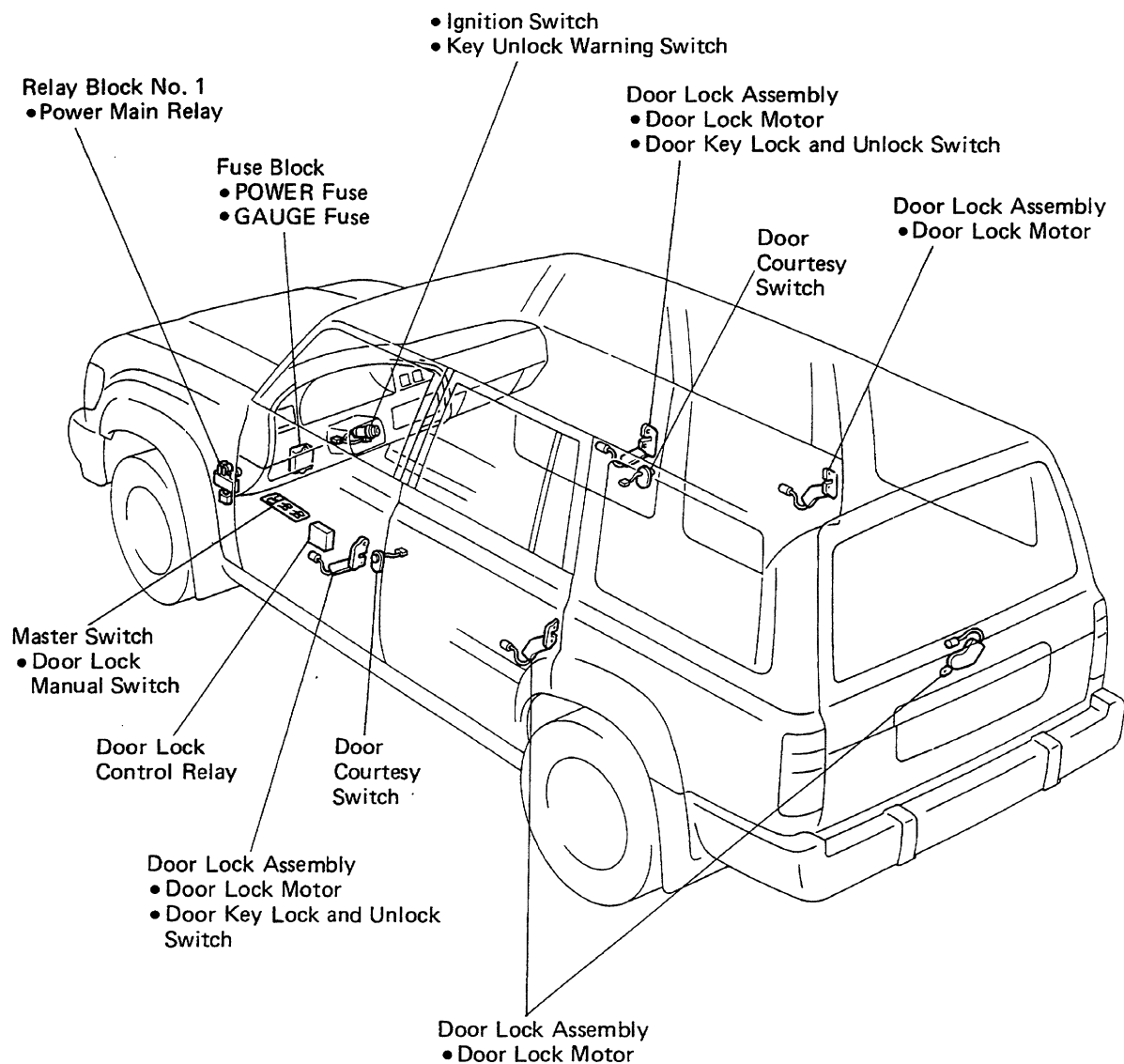
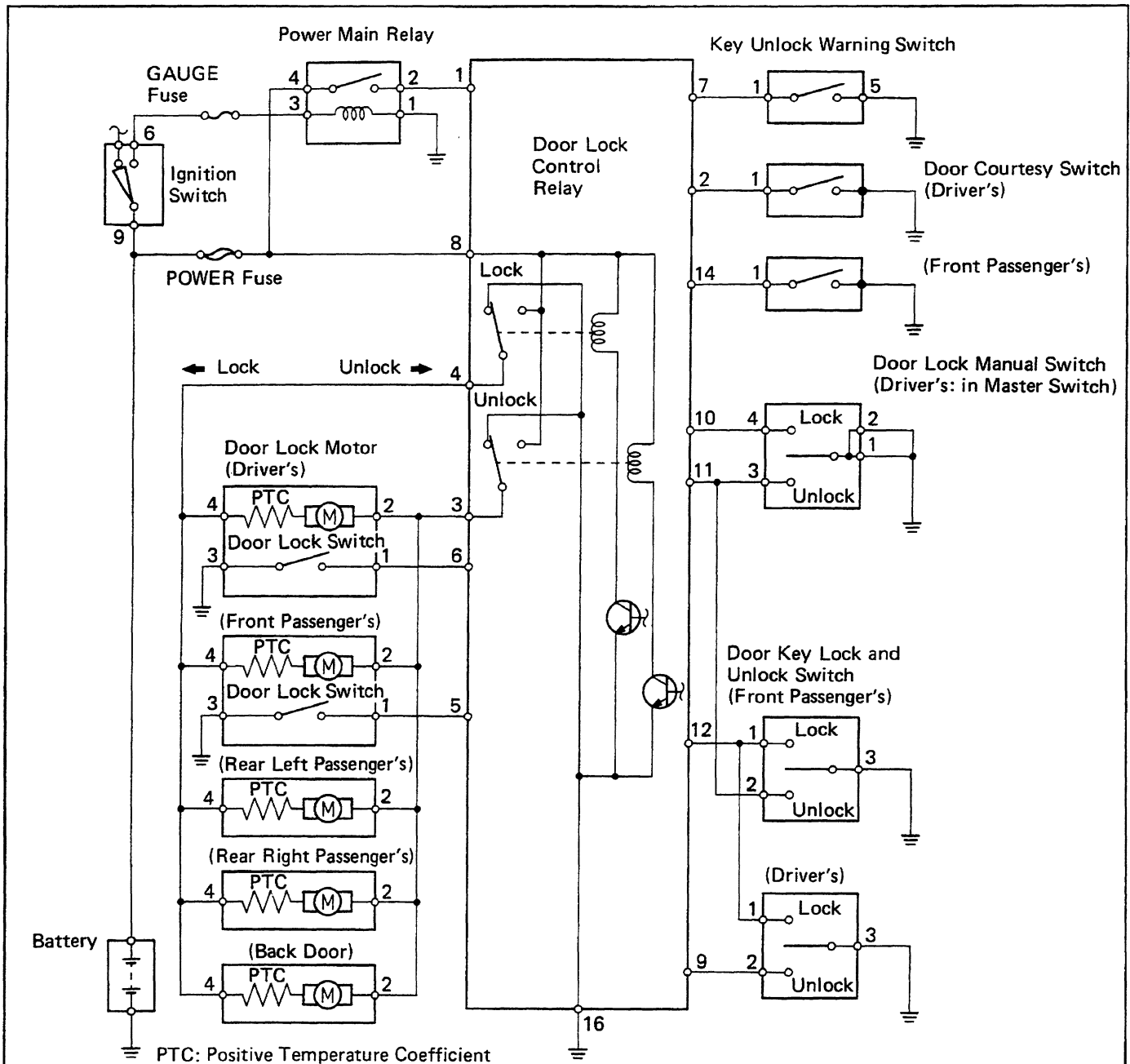


POWER DOOR LOCK CONTROL SYSTEM

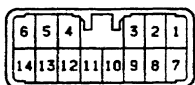
Parts Location



Wiring and Connector Diagrams



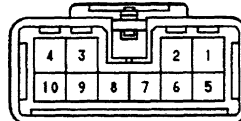
Door Lock Manual Switch
(Driver's: in Master Switch)



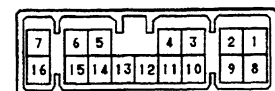
Door Key Lock and
Unlock Switch



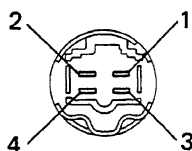
• Ignition Switch
• Key Unlock
Warning Switch



Door Lock Control
Relay



Power Main Relay



Door Lock Motor



Door Courtesy Switch



The POWER SOURCE CIRCUIT has been simplified. For full details, see page BE-10.

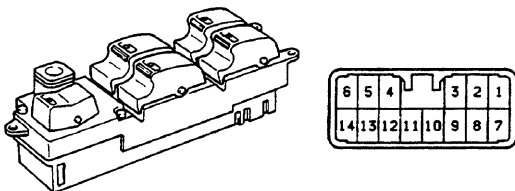
Troubleshooting

Problem	Possible cause	Remedy	Page
Door lock system does not operate at all	POWER fuse blown Door lock motor faulty Door lock control relay faulty Wiring or ground faulty Power main relay fault	Replace fuse and check for short Check motor Check relay Repair as necessary Check relay	BE-4, 6 BE-56 BE-58 BE-57
Door lock system does not operate by manual switch	Door lock manual switch faulty Door lock control relay faulty Wiring faulty	Check switch Check relay Repair as necessary	BE-55 BE-58
Door lock system does not operate by door key	Door key lock and unlock switch faulty Door lock control relay faulty Wiring faulty Door lock link disconnected	Check switch Check relay Repair as necessary Connect link	BE-55 BE-58
Fault in key confine prevention operation	Door lock control relay faulty Key unlock warning switch faulty Door courtesy switch faulty Wiring faulty	Check relay , Check switch Check switch Repair as necessary	BE-58 BE-55 BE-55

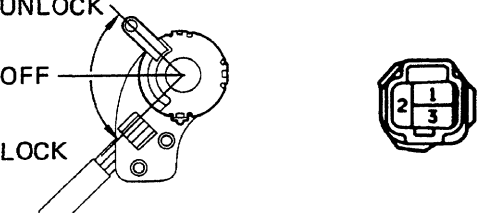
Parts Inspection

1. INSPECT SWITCHES

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

 BE2594 S-14-2-B	Terminal Switch position	1 and 2	3	4
	LOCK	○	○	○
	OFF			
	UNLOCK	○	○	

(Door Key Lock and Unlock Switch/Continuity)

 BE2596 IU-3-2	Terminal Switch position	1	2	3
	LOCK	○	○	○
	OFF			
	UNLOCK		○	○

If continuity is not as specified, replace the switch.

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

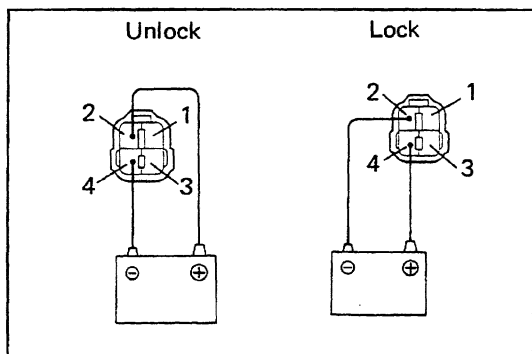
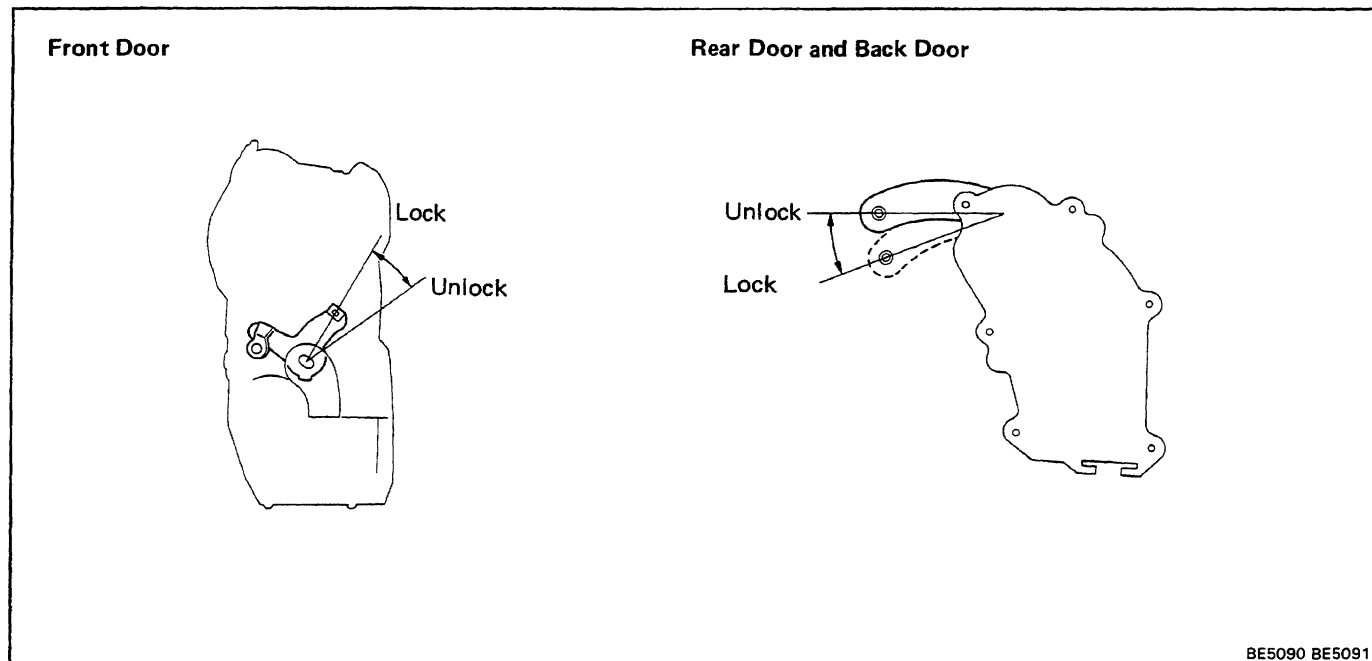
(Key Unlock Warning Switch/Continuity)

See Step 1 of Key Confine Prevention System on page [BE-12](#).

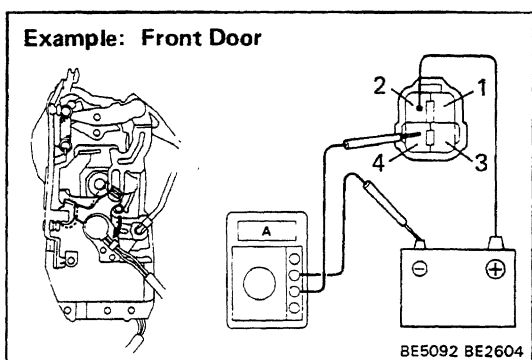
(Door Courtesy Switch/Continuity)

See Step 2 of Open Door Warning System on page [BE-40](#).

2. INSPECT DOOR LOCK MOTOR (Motor Operation)



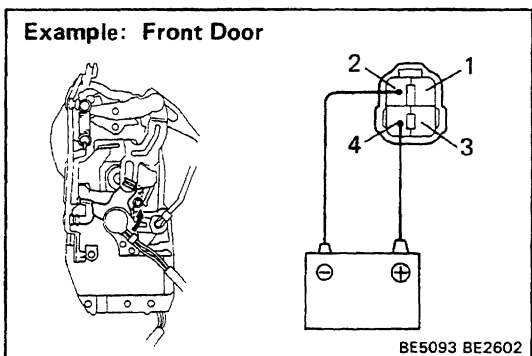
- Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 4, check that the door lock link moves to UN-LOCK position.
 - Remove the polarity, check that the door lock link move to LOCK position.
- If operation is not as specified, replace the door lock assembly.

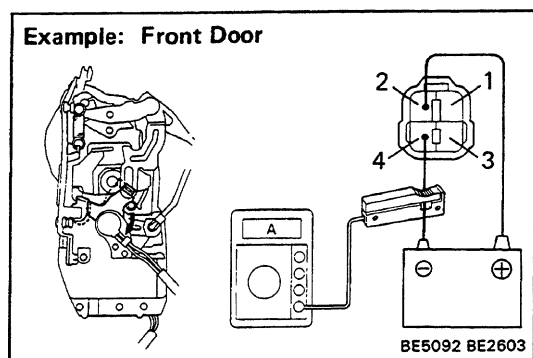


(PTC Thermistor Operation)

Inspection using an ammeter.

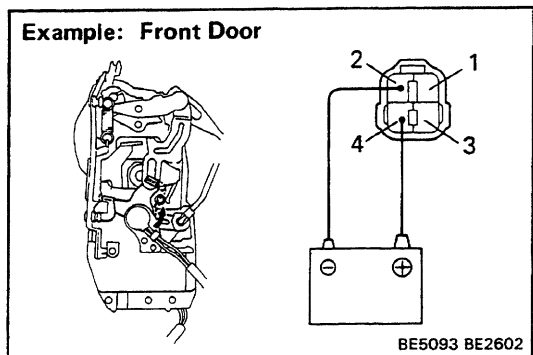
- Connect the positive (+) lead from the battery to terminal 2.
 - Connect the positive (+) lead from the ammeter to terminal 4 and the negative (-) lead to battery negative (-) terminal, check that the current changes from approximately 3.2 ampere to less than 0.5 ampere with 20 to 70 seconds.
 - Disconnect the leads from terminals.
 - 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.

- Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 4.
- 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 20 to 70 seconds.



- Disconnect the leads from terminals.
- 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 Switch /Continuity)

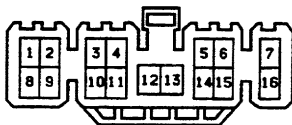
Terminal		1	3
Switch position			
OFF (Door lock set to LOCK)			
ON (Door lock set to UNLOCK)			

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

3. INSPECT POWER MAIN RELAY

See power main relay on page [BE-52](#).

Wire Harness Side



S-16-1-A

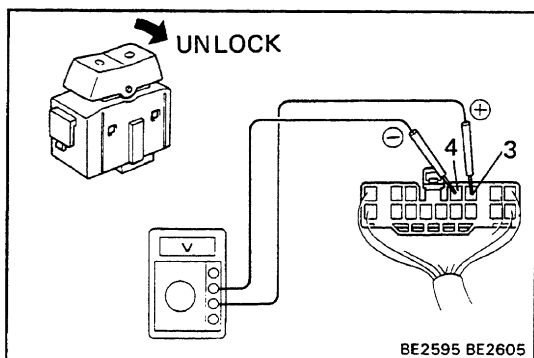
4. INSPECT DOOR LOCK CONTROL RELAY (Relay Circuit)

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)
			ON (Door opened)
	5-Ground	Passenger's door lock switch position	OFF (Door locked)
			ON (Door unlocked)
	6-Ground	Driver's door lock switch position	OFF (Door locked)
			ON (Door unlocked)
	7-Ground	Key unlock warning switch position	OFF (ignition key removed)
			4N (Ignition key set)
	9-Ground	Door key lock and unlock switch position	OFF or Lock (Door key free or turned to lock)
			Unlock (Door key turned to unlock)
	10-Ground	Door lock manual switch position	OFF or Unlock
			Lock
Voltage	11 -Ground	Door lock manual switch position	OFF or Lock
			Unlock
	12-Ground	Door key lock and unlock switch position	OFF or Unlock (Door key free or turned to unlock)
			Lock (Door key turned to lock)
	14-Ground	Passenger's door courtesy switch position	OFF (Door closed)
			ON (Door opened)
	16-Ground	Constant	
			Continuity
Voltage	1 -Ground	Ignition switch position	LOCK
			ACC or ON
	8-Ground	Constant	Battery voltage

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

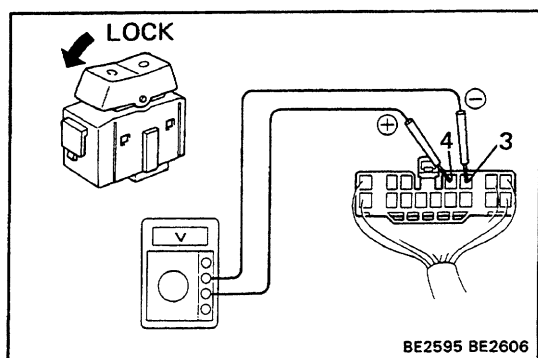
If the circuit is not as specified, refer to [BE-54](#) wiring diagram and inspect the circuits connected to other parts.



(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 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.