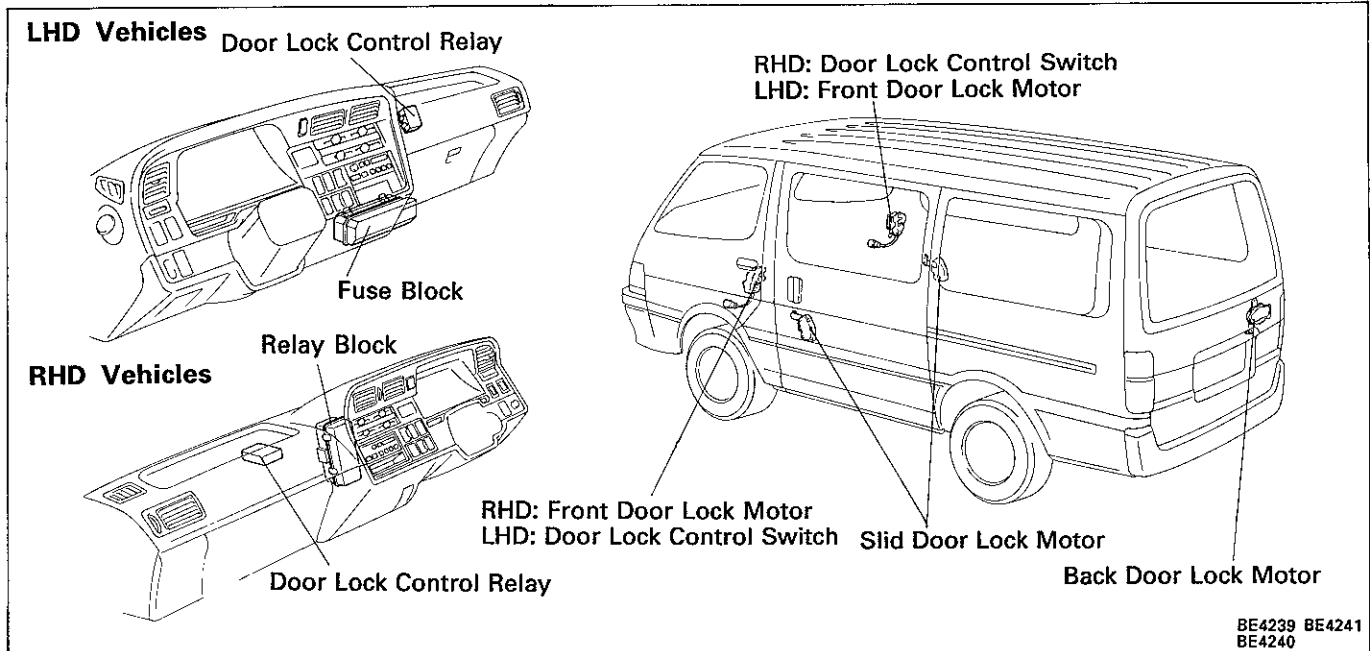
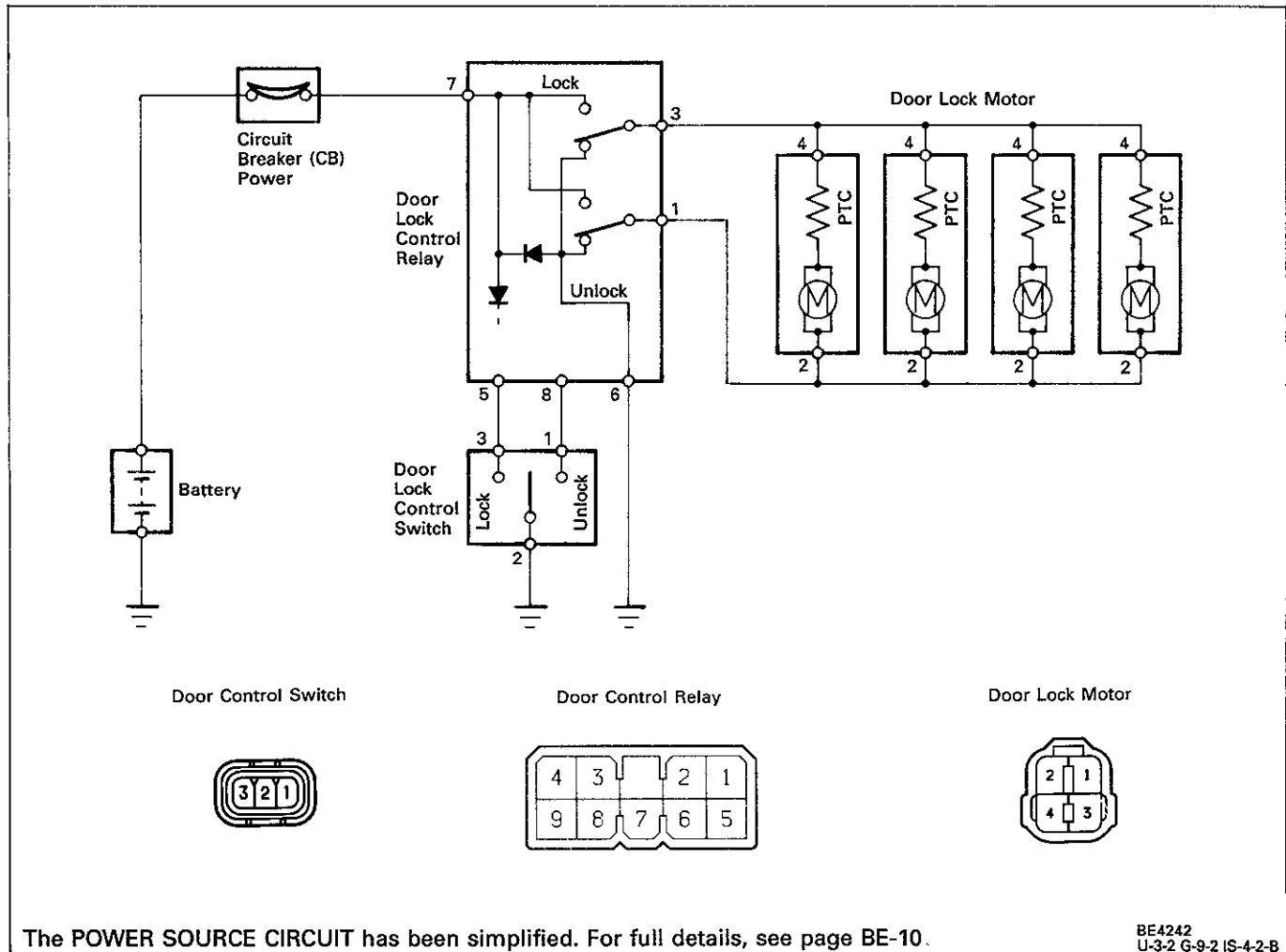


POWER DOOR LOCK CONTROL SYSTEM

Parts Location



Wiring and Connector Diagrams



System Description

Standby Operation

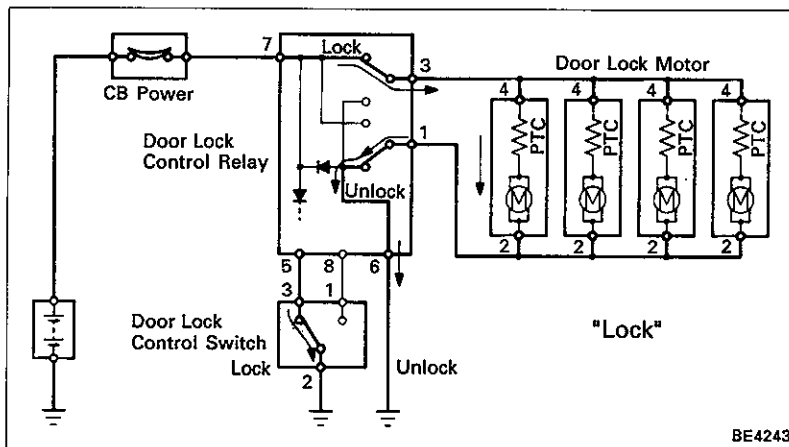
- Current flows from the battery to terminal 7 of the Door Lock Control Relay.

Operation

"LOCK" Operation

When the door locking knob (driver's side) is set to the "LOCK" side, continuity is made between terminal 5 of the Door Lock Control Relay and ground, through terminals 3 and 1 of the Door Lock Switch.

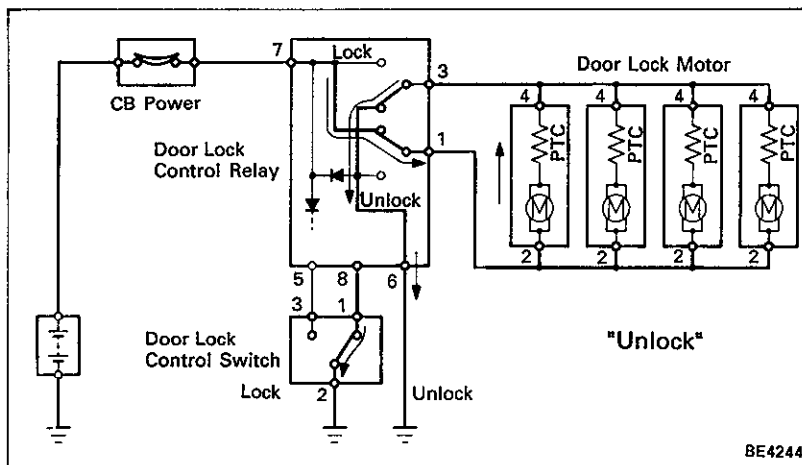
Then, the Door Lock Control Relay operates so that the current flows to terminal 7 of the Door Lock Control Relay → terminal 3 of the Door Lock Control Relay → the Door Lock Motor → terminal 1 of the Door Lock Control Relay → terminal 6 of the Door Lock Control Relay → ground, in order to make all door lock motors move in the LOCK direction.



"UNLOCK" Operation

When the door locking knob (driver's side) is set to the "UNLOCK" side, continuity is made between terminal 8 of the Door Lock Control Relay and ground, through terminals 1 and 2 of the Door Lock Switch.

Then, the Door Lock Control Relay operates so that the current flows to terminal 7 of the Door Lock Control Relay → terminal 1 of the Door Lock Control Relay → the Door Lock Motor → terminal 3 of the Door Lock Control Relay → terminal 6 of the Door Lock Control Relay → ground, in order to make all door lock motors move in the UNLOCK direction.

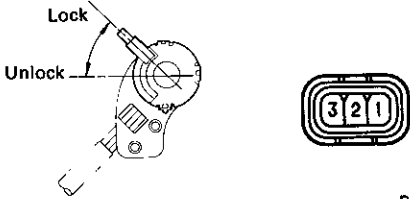


Troubleshooting

Problem	Possible cause	Remedy	Page
Power door lock do not operate	Circuit breaker faulty	Check circuit breaker	BE-7
	Door lock motor faulty	Check motor	BE-69
	Door lock switch faulty	Cehck switch	BE-69
	Wiring or ground faulty	Repair as necessary	

Parts Inspection

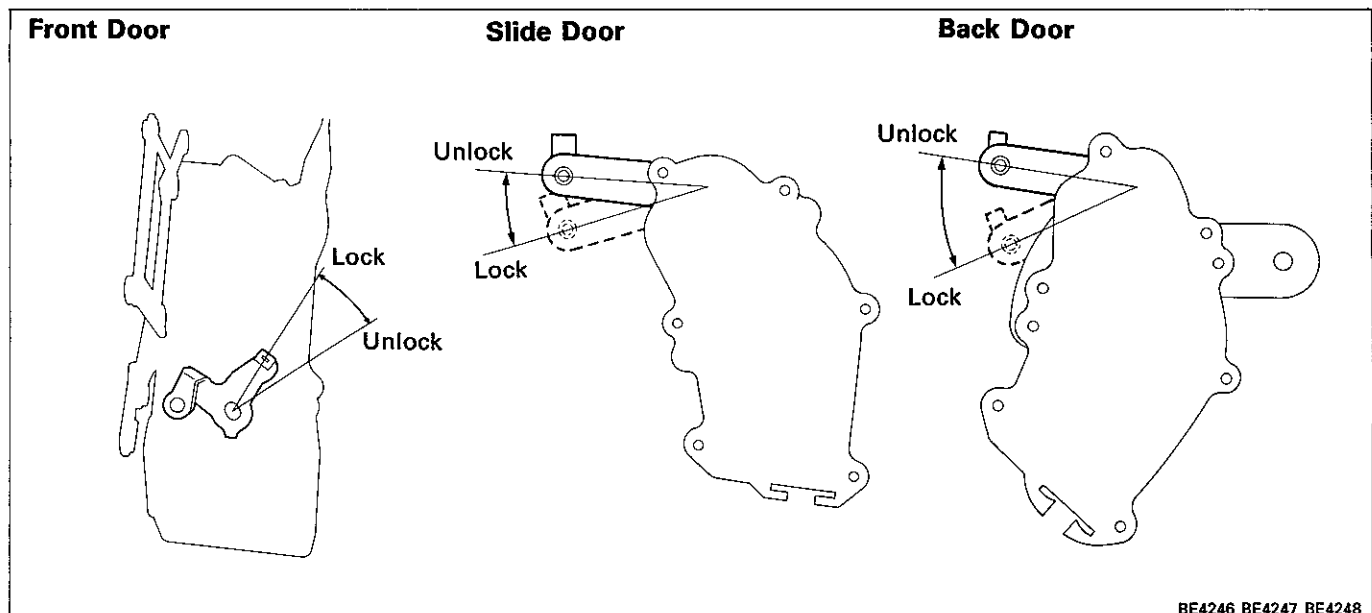
1. INSPECT SWITCHES (Continuity)

	Terminal	1	2	3
	Switch position			
	UNLOCK (Locking knob unlocked)			
	Lock (Locking knob locked)			

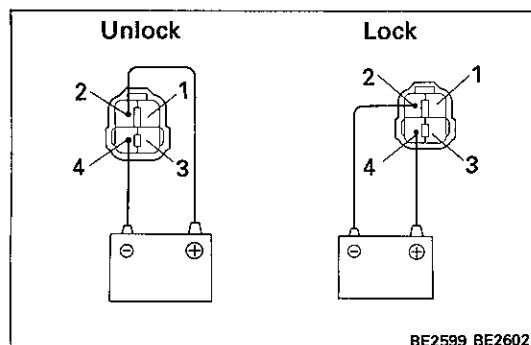
BE4245 U-3-2

If continuity is not as specified, replace the switch.

2. INSPECT DOOR LOCK MOTOR (Motor Operation)



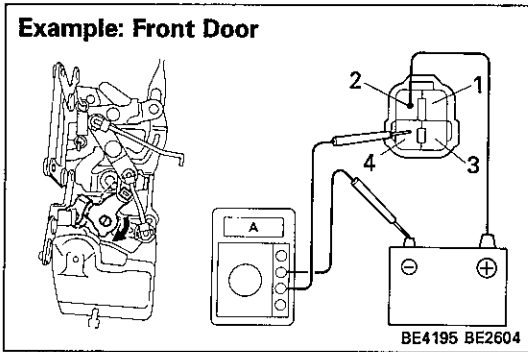
BE4246 BE4247 BE4248



BE2599 BE2602

- 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.
- Remove the polarity, check that the door lock link move to LOCK position.

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

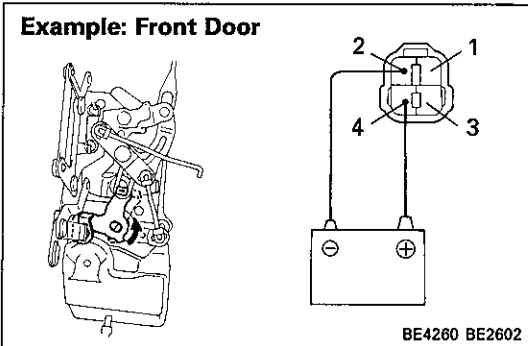
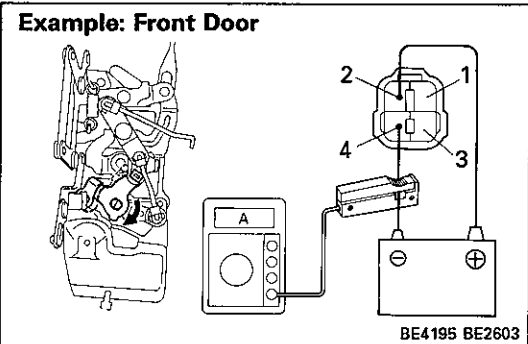
Example: Front Door**(PTC Thermistor Operation)****Inspection using an ammeter.**

- (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 ampere to less than 0.5 ampere with 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.

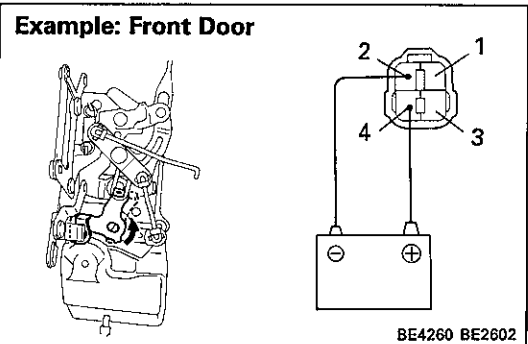
Example: Front Door**Example: Front Door****Inspection using an ammeter with a current-measuring probe.**

- (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 ampere to less than 0.5 ampere within 20 to 70 seconds.

(c) Disconnect the leads from terminals.

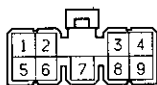
- (d) Approximately 60 seconds later, reverse the polarity, check that the door lock moves to LOCK position.

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

Example: Front Door

HINT: Perform inspection of PTC thermistor operation of other door lock motors the same way as for the front door.

Wire Harness Side



G-9-1

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	5 – Ground	Door lock switch	OFF (Door Lock Knob Unlocked)	No continuity
			ON (Door Lock Knob Locked)	Continuity
	6 – Ground	Constant		Continuity
	8 – Ground	Door lock switch	OFF (Door Lock Knob Unlocked)	Continuity
			ON (Door Lock Knob Locked)	No continuity
Voltage	7 – Ground	Constant		Battery voltage

If operation is as specified, inspect the door lock motor.