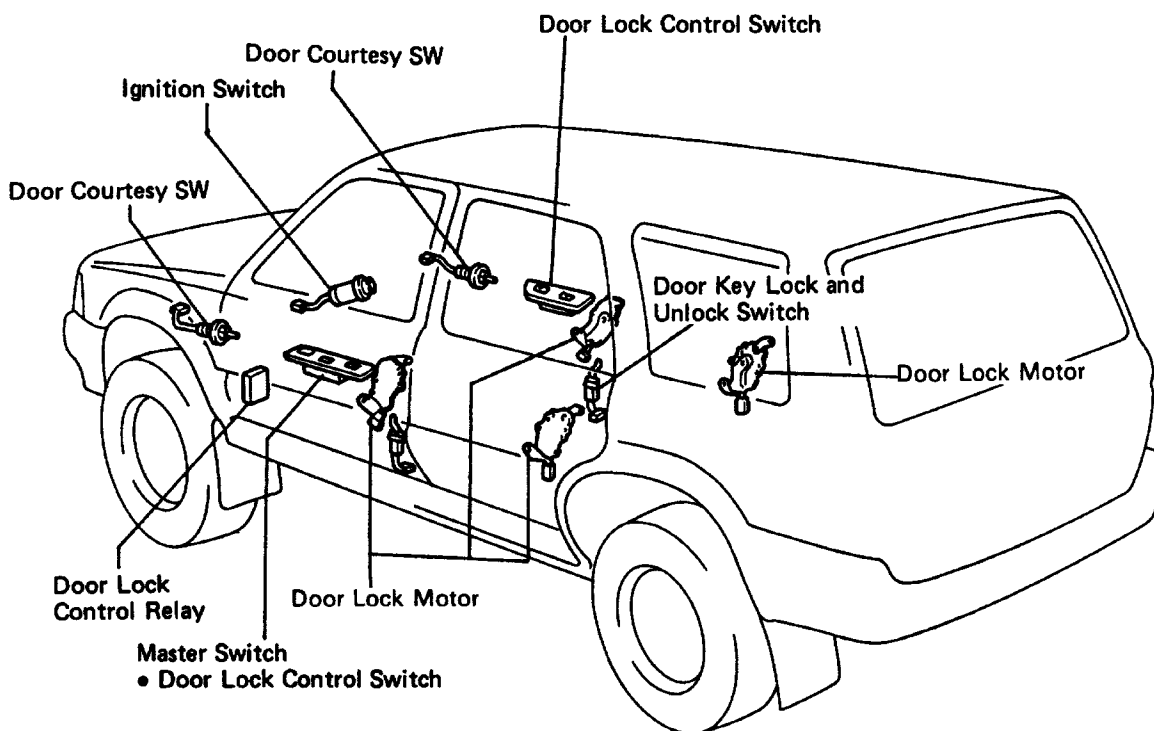


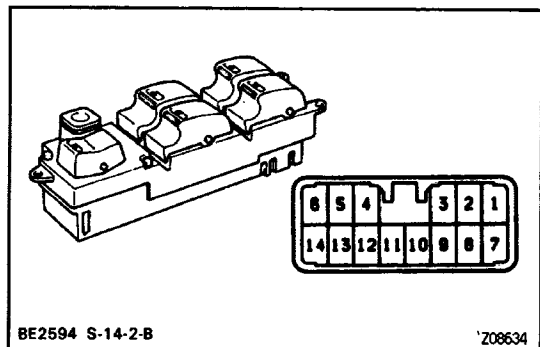
POWER DOOR LOCK CONTROL SYSTEM PARTS LOCATION



TROUBLESHOOTING

The table below will be useful for you in troubleshooting these electrical problems. The most likely causes of the malfunction are shown in the order of their probability. Inspect each part in the order shown, and replace the part when it is found to be faulty.

Trouble	Parts name	(See page)
Door Lock System does not operate at all	1. POWER Fuse	(BE-11)
	2. Door Lock Motor	(BE-81)
	3. Door Lock Control Relay	(BE-82)
	4. Wire Harness	
Door Lock System does not operate by Manual Switch	1. Door Lock Manual Switch	(BE-80)
	2. Door Lock Control Relay	(BE-82)
	3. Wire Harness	
Door Lock System does not operate by door key	1. Door Key Lock and Unlock Switch	(BE-81)
	2. Door Lock Control Relay	(BE-82)
	3. Door Lock Link Disconnected	
	4. Wire Harness	
Fault in Key Confine Prevention operation	1. Door Lock Control Relay	(BE-82)
	2. Key Unlock Warning Switch	(BE-13)
	3. Door Courtesy Switch	(BE-56)
	4. Wire Harness	



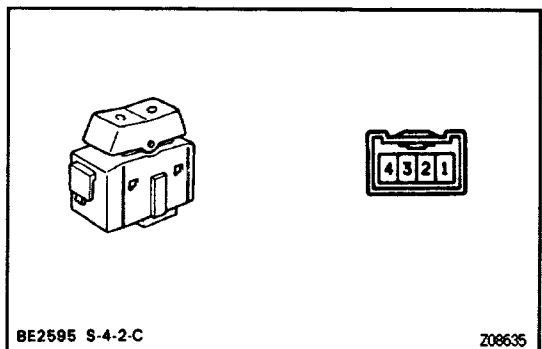
DRIVER'S DOOR LOCK CONTROL SWITCH INSPECTION

INSPECT DRIVER'S DOOR LOCK CONTROL SWITCH CONTINUITY

Master Switch

Switch position	Tester connection to terminal number	Specified condition
LOCK	2 – 4	Continuity
OFF	–	No continuity
UNLOCK	2 – 3	Continuity

If continuity is not as specified, replace the switch.



PASSENGER'S DOOR LOCK CONTROL SWITCH INSPECTION

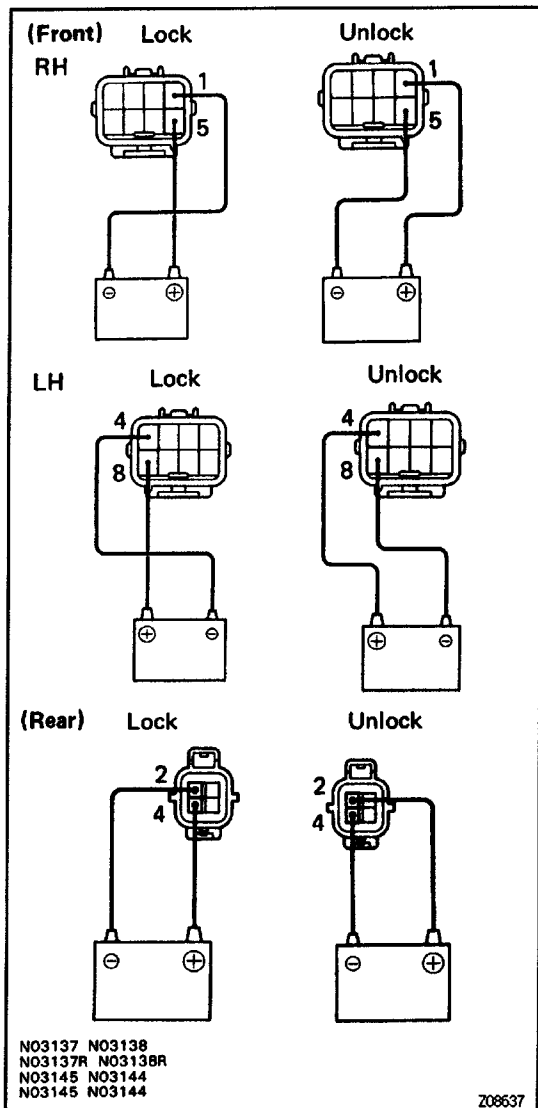
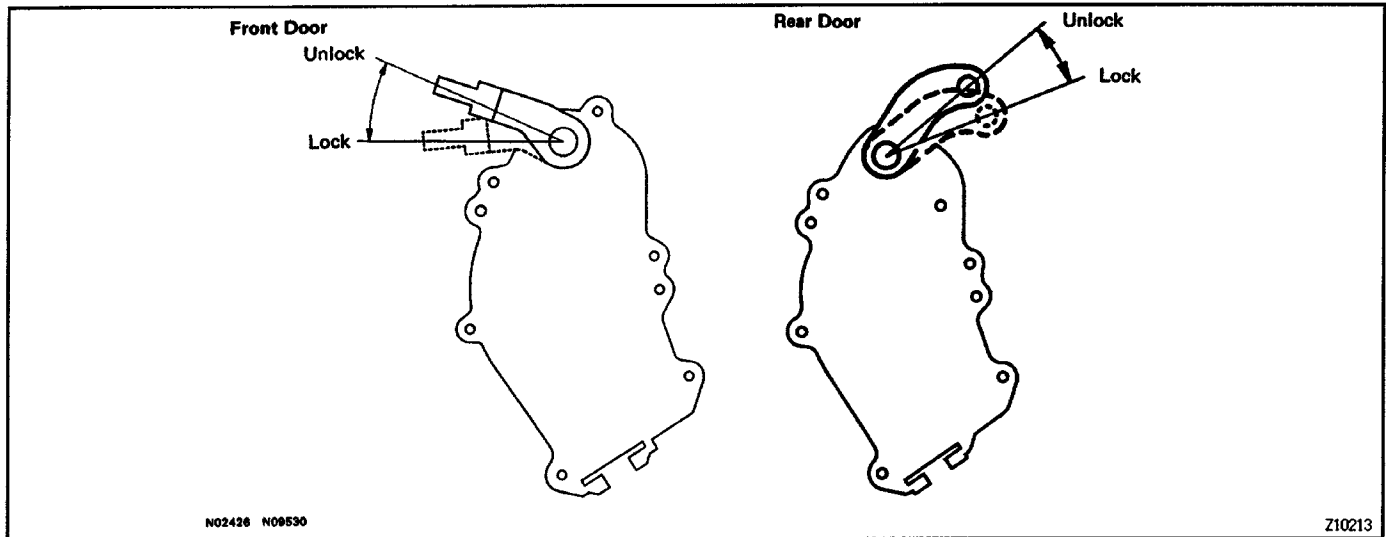
INSPECT PASSENGER'S DOOR LOCK CONTROL SWITCH CONTINUITY

Switch position	Tester connection to terminal number	Specified condition
LOCK	3 – 4	Continuity
OFF	–	No continuity
UNLOCK	2 – 4	Continuity

If continuity is not as specified, replace the switch.

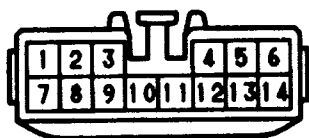
DOOR LOCK MOTOR INSPECTION

INSPECT DOOR LOCK MOTOR OPERATION



- 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.
- Remove the polarity, check that the door lock link move to LOCK position.
If operation is not as specified, replace the door lock assembly.
- 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.
- Remove the polarity, check that the door lock link move to LOCK position.
If operation is not as specified, replace the door lock assembly.
- 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.

Wire Harness Side



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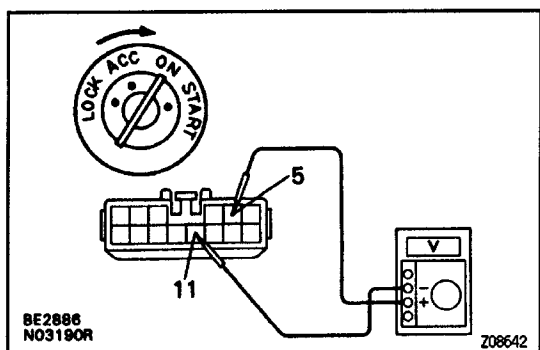
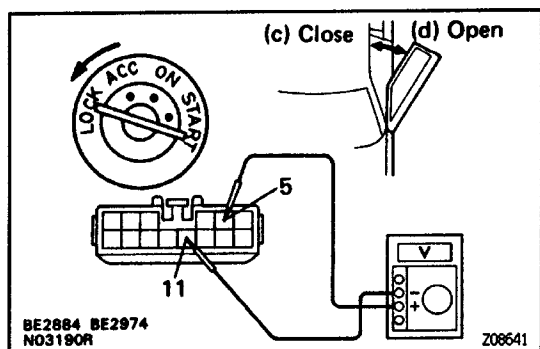
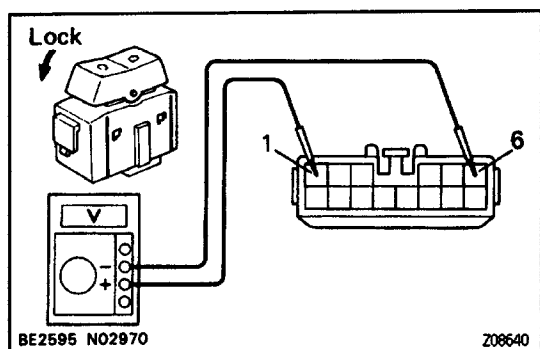
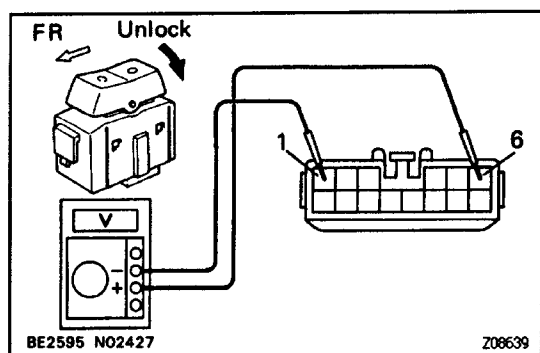
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DOOR LOCK CONTROL RELAY INSPECTION

INSPECT DOOR LOCK CONTROL RELAY CIRCUIT

Disconnect the connector from the relay and inspect the connector on the wire harness side, as shown in the chart. If circuit is as specified, inspect the door lock signal and key-off power window signal.

Tester connection to terminal number	Condition	Specified condition
3 – Ground	Door lock control switch or passenger's door key lock and unlock switch position LOCK or OFF	No continuity
3 – Ground	Door lock control switch or passenger's door key lock and unlock switch position UNLOCK	Continuity
4 – Ground	Door lock control switch or door key lock and unlock switch position UNLOCK or OFF	No continuity
4 – Ground	Door lock control switch or door key lock and unlock switch position LOCK	Continuity
7 – Ground	Passenger's door courtesy switch position OFF (Door closed)	No continuity
7 – Ground	Passenger's door courtesy switch position ON (Door opened)	Continuity
9 – Ground	Driver's door lock switch position UNLOCK	Continuity
9 – Ground	Driver's door lock switch position LOCK	No continuity
10 – Ground	Driver's door key lock and unlock switch LOCK or OFF	No continuity
10 – Ground	Driver's door key lock and unlock switch UNLOCK	Continuity
11 – Ground	Constant	Continuity
12 – Ground	Passenger's door lock switch position UNLOCK	Continuity
12 – Ground	Passenger's door lock switch position LOCK	No continuity
14 – Ground	Driver's door courtesy switch position OFF (Door closed)	No continuity
14 – Ground	Driver's door courtesy switch position 4N (Door opened)	Continuity
2 – Ground	Constant	Battery positive voltage
8 – Ground	Ignition switch position LOCK or ACC	No voltage
8 – Ground	Ignition switch position ON	Battery positive voltage
13 – Ground	Key unlock warning switch position OFF (ignition key removed)	No voltage
13 – Ground	Key unlock warning switch position ON (Ignition key set)	Battery positive voltage



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 1 and the negative (-) lead to terminal 6.
 - Set the door lock control switch to UNLOCK, check that the voltage rises from 0 volts to battery positive voltage for approximately 0.2 seconds.
 - Reverse the polarity of the voltmeter leads.
 - Set the door lock control switch to LOCK, check that the voltage rises from 0 volts 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.

- Connect the connector to the relay.
- Connect the positive (+) lead from the voltmeter to terminal 5 and the negative (-) lead to terminal 11.
- Close the door with ignition switch turned to LOCK or ACC, check that the meter needle indicates battery positive voltage.
- Open the door, check that the meter needle indicates 0 volts.

- Turn the ignition switch ON, check that the meter needle indicate battery positive voltage again.
- If operation is not as specified, replace the relay.