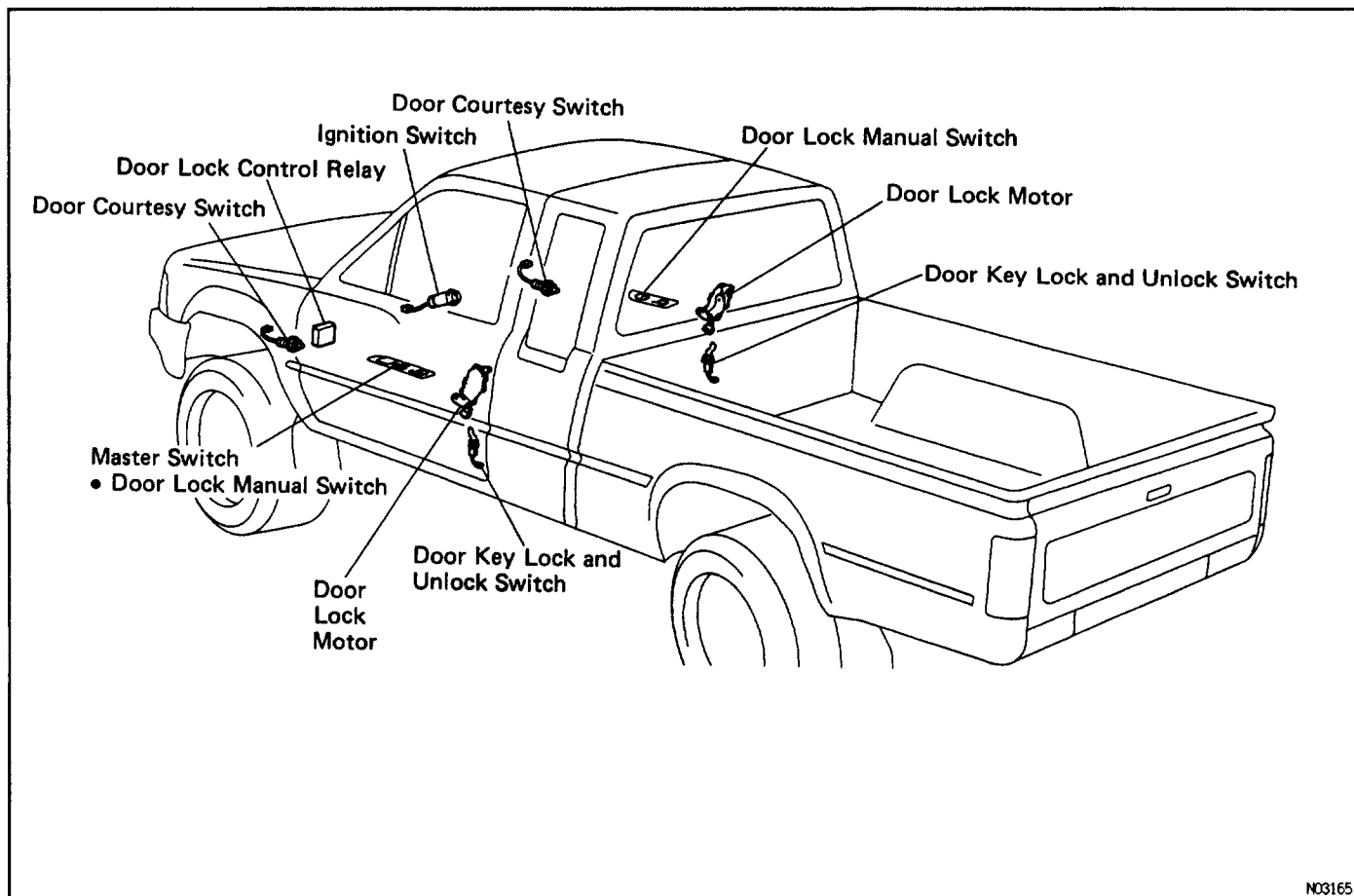


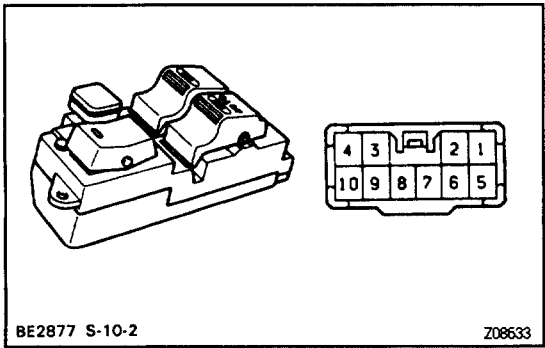
POWER DOOR LOCK CONTROL SYSTEM PARTS LOCATION



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 2. GAUGE Fuse 3. Door Lock Motor 4. Door Lock Control Relay 5. Wire Harness	(BE-11) (BE-11) (BE-74) (BE-75)
Door Lock System does not operate by Manual Switch	1. Door Lock Manual Switch 2. Door Lock Control Relay 3. Wire Harness	(BE-72) (BE-75)
Door Lock System does not operate by door key	1. Door Key Lock and Unlock Switch 2. Door Lock Control Relay 3. Door Lock Link Disconnected 4. Wire Harness	(BE-73) (BE-75)

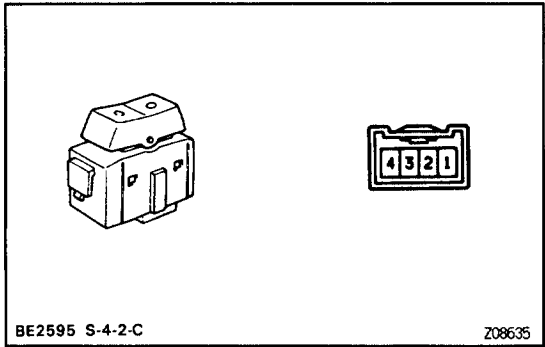


DRIVER'S DOOR LOCK CONTROL SWITCH INSPECTION

INSPECT DRIVER'S DOOR LOCK CONTROL SWITCH in Master Switch/ Continuity

Switch position	Tester connection to terminal number	Specified value
LOCK	2 – 6	Continuity
OFF	–	No continuity
UNLOCK	1 – 6	Continuity

If continuity is not as specified, replace the switch.

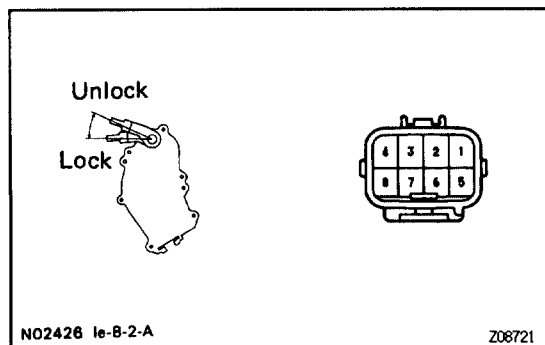


PASSENGER'S DOOR LOCK CONTROL SWITCH INSPECTION

INSPECT PASSENGER'S DOOR LOCK CONTROL SWITCH Continuity

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

If continuity is not as specified, replace the switch.



DOOR KEY LOCK AND UNLOCK SWITCH INSPECTION

INSPECT DOOR KEY LOCK AND UNLOCK SWITCH

Continuity

RH

Switch position	Tester connection to terminal number	Specified value
LOCK	8 – 7	Continuity
OFF	–	No continuity
UNLOCK	4 – 8	Continuity

If continuity is not as specified, replace the switch.

LH

Switch position	Tester connection to terminal number	Specified value
LOCK	5 – 6	Continuity
OFF	–	No continuity
UNLOCK	1 – 5	Continuity

If continuity is not as specified, replace the switch.

KEY UNLOCK WARNING SWITCH INSPECTION

INSPECT KEY UNLOCK WARNING SWITCH

(See page [BE-14](#))

DOOR COURTESY SWITCH INSPECTION

INSPECT DOOR COURTESY SWITCH

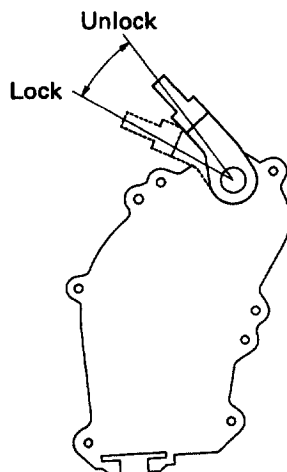
(See page [BE-61](#))

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

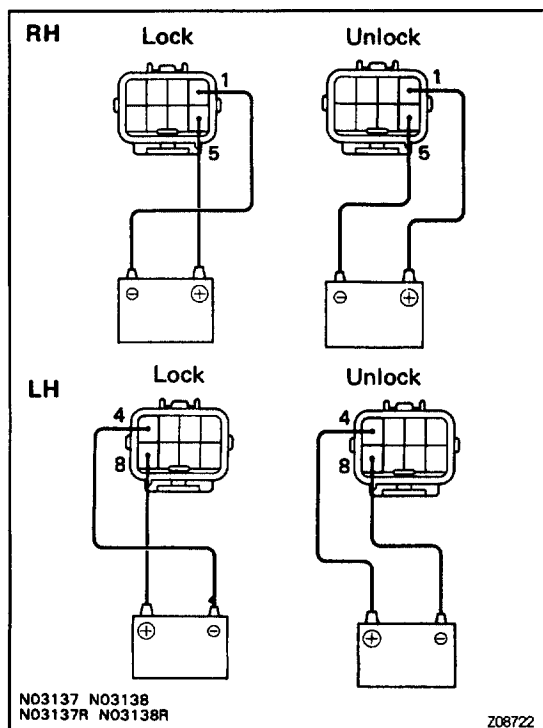
DOOR LOCK MOTOR INSPECTION

INSPECT DOOR LOCK MOTOR

Motor Operation

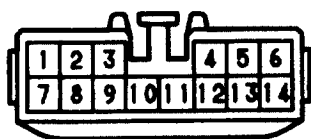


N02426



- 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.

Wire Harness Side



e-14-1-A

Z08638

DOOR LOCK CONTROL RELAY INSPECTION

INSPECT DOOR LOCK CONTROL RELAY

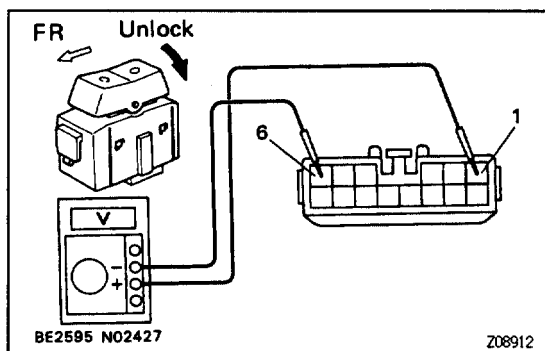
Relay Circuit

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

Tester connection to terminal number	Condition	Specified value (Continuity)
3 – Ground	Door lock control switch or door key lock and unlock switch position OFF or LOCK	No continuity
3 – Ground	Door lock control switch or door key lock and unlock switch position UNLOCK	Continuity
4 – Ground	Door lock control switch or door key lock and unlock switch position OFF or UNLOCK	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
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 ON (Door opened)	Continuity

Tester connection to Terminal number	Condition	Specified value (Voltage)
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

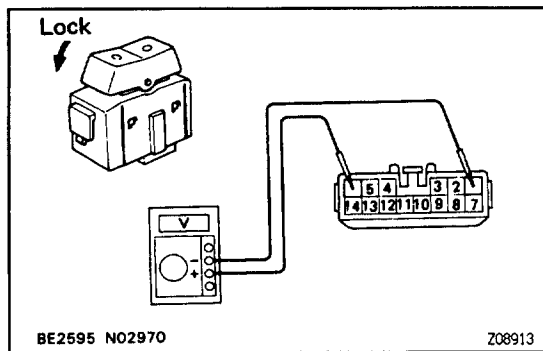
If circuit is as specified, inspect the door lock signal and key-off power window signal.



Door Lock Signal

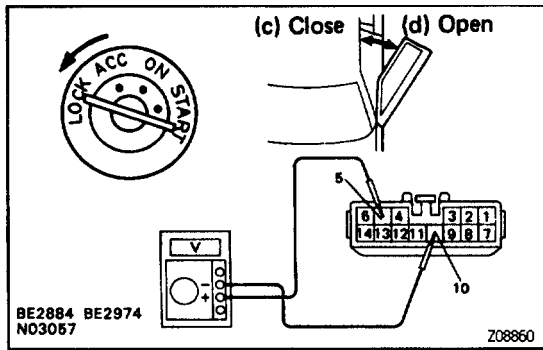
HINT: When the relay circuit is as specified, inspect the door lock signal.

- Connect the connector to the relay.
- Connect the positive (+) lead from the voltmeter to terminal 1 and the negative (-) lead to terminal 6.
- Set the door lock control switch to UNLOCK, check that the voltage rises from 0 V 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 V to battery positive voltage for approximately 0.2 seconds.

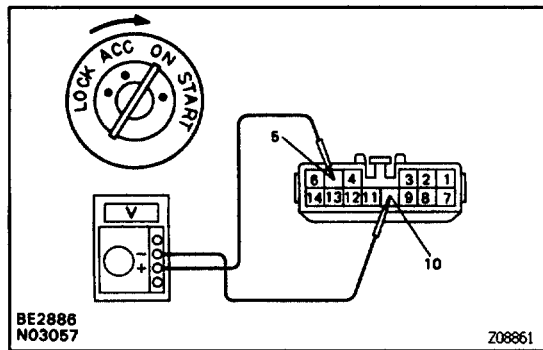
If operation is not as specified, replace the relay.



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 10.
- 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 V.



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