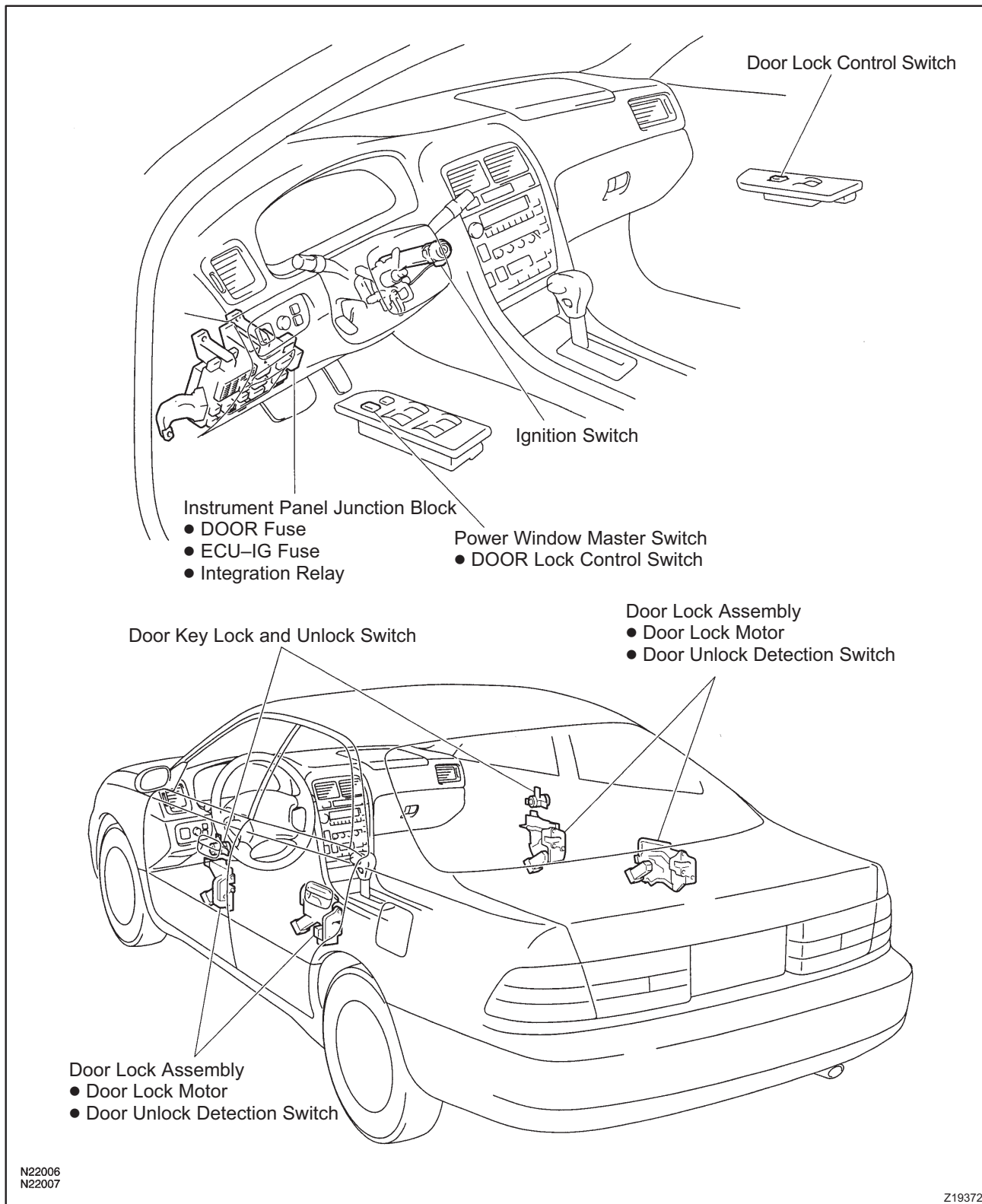


POWER DOOR LOCK CONTROL SYSTEM

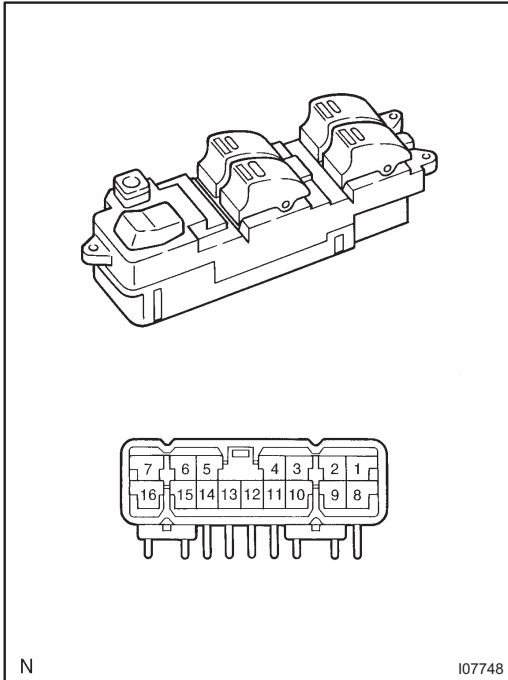
BE060-02

LOCATION



N22006
N22007

Z19372



N

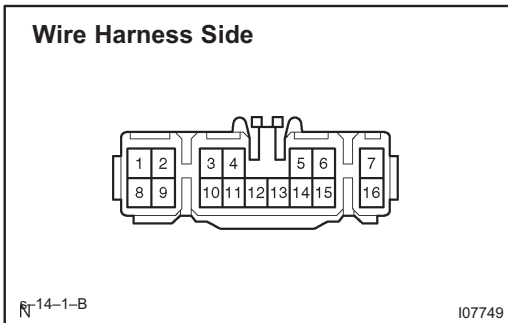
I07748

INSPECTION

1. **Master switch:**
INSPECT DRIVER'S DOOR LOCK CONTROL SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
LOCK	3 – 7	Continuity
OFF	–	No continuity
UNLOCK	1 – 7	Continuity

If continuity is not as specified, replace the switch.



14-1-B

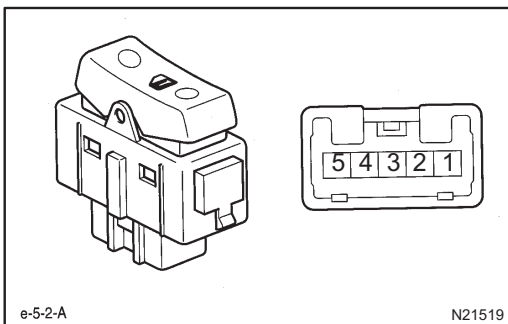
I07749

2. **Master switch:**
INSPECT DRIVER'S DOOR LOCK CONTROL SWITCH CIRCUIT

Disconnect the connector from the switch and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
7 – Ground	Constant	Continuity
4 – Ground	Constant	Battery positive voltage
12 – Ground	Constant	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.



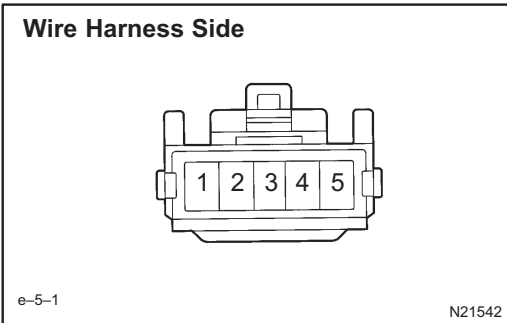
e-5-2-A

N21519

3. **INSPECT PASSENGER'S DOOR LOCK CONTROL SWITCH CONTINUITY**

Switch position	Tester connection	Specified condition
LOCK	2 – 3	Continuity
OFF	–	No continuity
UNLOCK	1 – 2	Continuity

If continuity is not as specified, replace the switch.

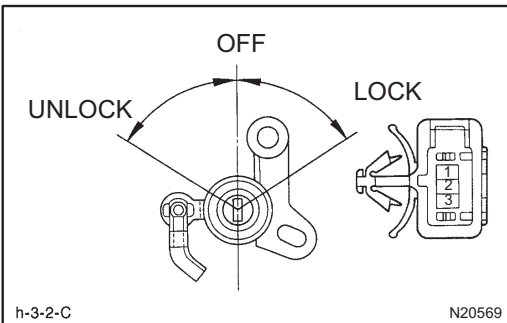


4. INSPECT PASSENGER'S DOOR LOCK CONTROL SWITCH CIRCUIT

Disconnect the connector from the switch and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
2 – Ground	Constant	Continuity
1 – Ground	Constant	Battery positive voltage
3 – Ground	Constant	Battery positive voltage
4 – Ground	Ignition switch position LOCK or ACC	No voltage
4 – Ground	Ignition switch position ON	Battery positive voltage

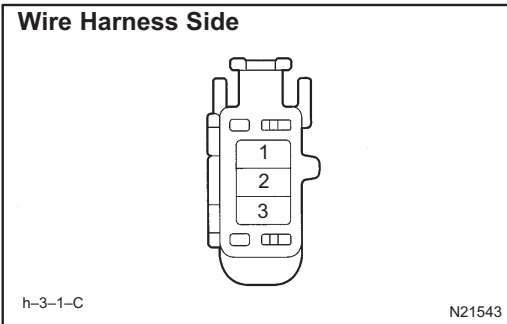
If the circuit is not as specified, inspect the circuits connected to other parts.



5. INSPECT DOOR KEY LOCK AND UNLOCK SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
LOCK	1 – 2	Continuity
OFF	–	No continuity
UNLOCK	1 – 3	Continuity

If continuity is not as specified, replace the switch.

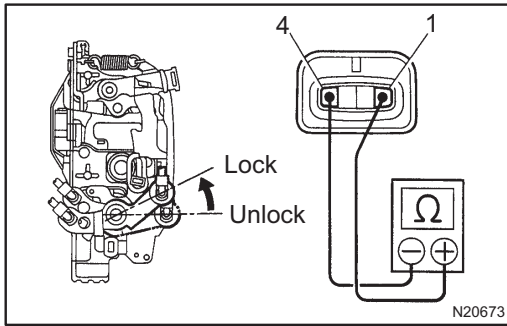


6. INSPECT DOOR KEY LOCK AND UNLOCK SWITCH CIRCUIT

Disconnect the connector from the switch and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
1 – Ground	Constant	Continuity
2 – Ground	Constant	Battery positive voltage
3 – Ground	Constant	Battery positive voltage

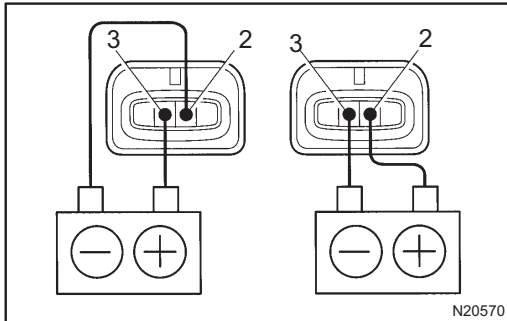
If the circuit is not as specified, inspect the circuits connected to other parts.



7. INSPECT DOOR UNLOCK DETECTION SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
OFF (Door Lock set to LOCK)	–	No continuity
ON (Door Lock set to UNLOCK)	1 – 4	Continuity

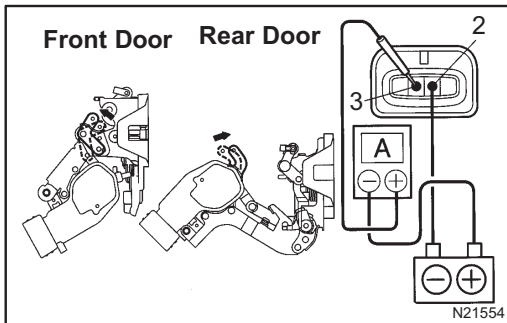
If continuity is not as specified, replace the switch.



8. INSPECT MOTOR OPERATION

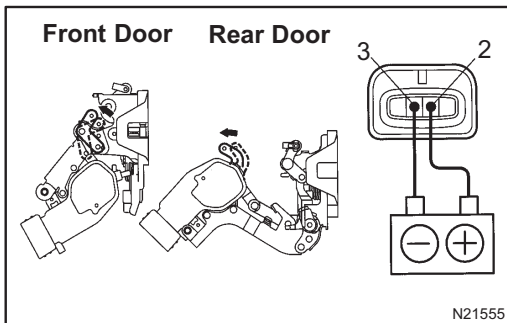
- (a) Connect the positive (+) lead from the battery to terminal 3 and the negative (-) lead to terminal 2, and check that the door lock link moves to UNLOCK position.
- (b) Reverse the polarity and check that the door lock link moves to LOCK position.

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



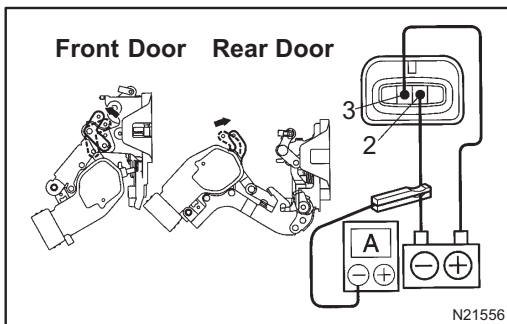
9. INSPECT PTC THERMISTOR OPERATION (Using an ammeter)

- (a) Connect the positive (+) lead from the battery to terminal 3.
- (b) Connect the positive (+) lead from the ammeter to terminal 2 and the negative (-) lead to battery negative (-) terminal, and check that the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.



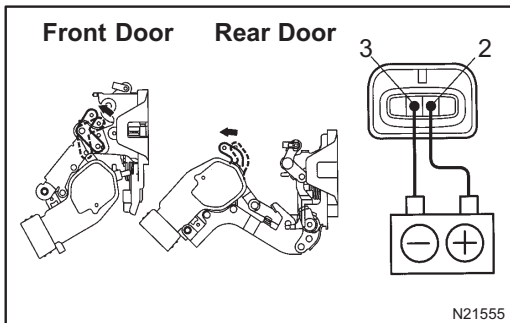
- (c) Disconnect the leads from terminals.
- (d) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 3, and check that the door lock moves to the LOCK position.

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

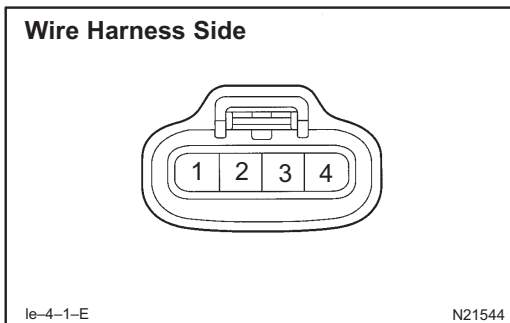


10. INSPECT PTC THERMISTOR OPERATION (Using an ammeter with a current-measuring probe)

- (a) Connect the positive (+) lead from the battery to terminal 3 and the negative (-) lead to terminal 2.
- (b) Attach a current-measuring probe to either the positive (+) lead or the negative (-) lead, and check that the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.



- (c) Disconnect the leads from terminals.
 - (d) Approximately 60 seconds later, reverse the polarity, and check that the door lock moves to the LOCK position.
- If operation is not as specified, replace the door lock assembly.

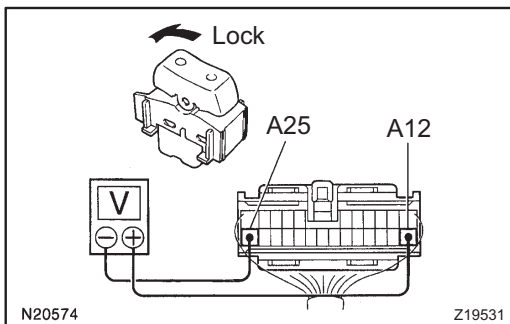


11. INSPECT DOOR LOCK ASSEMBLY CIRCUIT

Disconnect the connector from the switch and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
4 – Ground	Constant	Continuity
1 – Ground 3 – Ground	Door lock manual switch OFF or LOCK	No voltage
1 – Ground 3 – Ground	Door lock manual switch UNLOCK	Battery positive voltage
2 – Ground	Door lock manual switch OFF or UNLOCK	No voltage
2 – Ground	Door lock manual switch LOCK	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

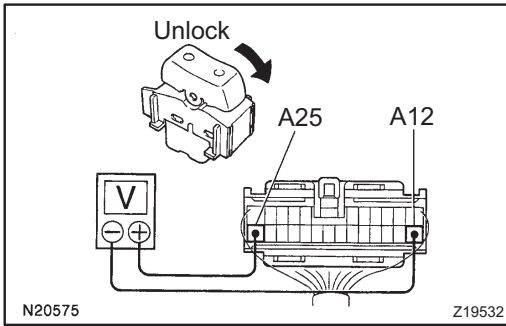


**12. Door lock signal:
INSPECT INTEGRATION RELAY OPERATION**

HINT:

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

- (a) Connect the positive (+) lead from the voltmeter to terminal A12 and the negative (-) lead to terminal A25.
- (b) Set the door lock control switch to UNLOCK and check that the voltage rises from 0 V to battery positive voltage for approximately 0.2 seconds.



- (c) Reverse the polarity of the voltmeter leads.
- (d) Set the door lock control switch to LOCK and 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.

13. INSPECT INTEGRATION RELAY CIRCUIT (See page BE-21)