

## INSPECTION

1. w/o Defogger timer: INSPECT DEFOGGER SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
Switch OFF	-	No continuity
Switch ON	3 - 4	Continuity
Illumination circuit	4 - 5	Continuity

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If continuity is not as specified, replace the switch.

#### 2. w/ Defogger timer: INSPECT DEFOGGER TIMER OPERATION

- (a) Connect the positive (+) lead from the battery to terminal3 and negative (-) lead to terminal 4.
- (b) Connect the positive (+) lead from the battery to terminal 2 through a 3.4 W test bulb.
- (c) Turn the defogger switch ON and check that the indicator light and test bulb light up for 12 for 18 minutes, then the indicator light and test bulb lights go out.

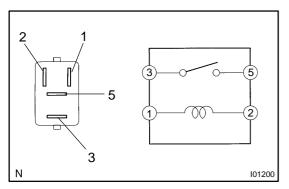
If operation is not as specified, replace the switch.

#### 3. w/ Defogger timer: INSPECT DEFOGGER SWITCH CIRCUIT

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

Tester connection	Condition	Specified condition
2 - Ground	Constant	Continuity
4 - Ground	Defogger switch OFF	No continuity
4 - Ground	Defogger switch ON	Continuity
3 - Ground	Ignition switch LOCK or ACC	No voltage
3 - Ground	Ignition switch ON	Battery positive voltage

If the circuit is not as specified, replace the switch.

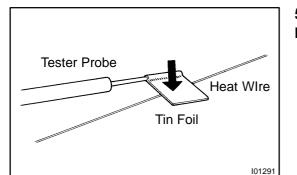


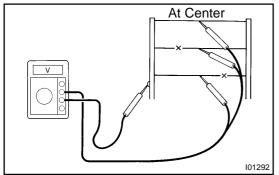
### 4. INSPECT DEFOGGER RELAY CONTINUITY

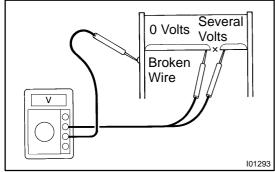
Condition	Tester connection	Specified condition
Constant	1 - 2	Continuity
Apply B <sub>+</sub> between terminal 1 and 2.	3 - 5	Continuity

If Continuity is not as specified, replace the relay.

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# 5. INSPECT DEFOGGER WIRE NOTICE:

- When cleaning the glass, use a soft, dry cloth, and wipe the glass in the direction of the wire. Take care not to damage the wires.
- Do not use detergents or glass cleaners with abrasive ingredients.
- When measuring voltage, wind a piece of tin foil around the top of the negative probe and press the foil against the wire with your finger, as shown.
- (a) Turn the ignition switch ON.
- (b) Turn the defogger switch ON.
- (c) Inspect the voltage at the center of each heat wire, as shown.

Voltage	Criteria
Approx. 5V	Okay (No break in wire)
Approx. 10V or 0V	Broken wire

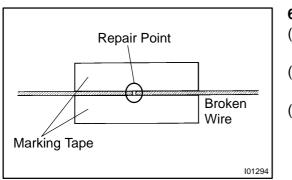
HINT:

If there is approximately 10 V, the wire is broken between the center of the wire and the positive (+) end. If there is no voltage, the wire is broken between the center of the wire and ground.

- (d) Place the voltmeter positive (+) lead against the defogger positive (+) terminal.
- (e) Place the voltmeter negative (-) lead with the foil strip against the heat wire at the positive (+) terminal end and slide it toward the negative (-) terminal end.
- (f) The point where the voltmeter deflects from zero to several V is the place where the heat wire is broken.

HINT:

If the heat wire is not broken, the voltmeter indicates 0 V at the positive (+) end of the heat wire but gradually increases to about 12 V as the meter probe is moved to the other end.

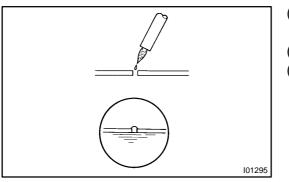


#### 6. IF NECESSARY, REPAIR DEFOGGER WIRE

- (a) Clean the broken wire tips with grease, wax and silicone remover.
- (b) Place the masking tape along both sides of the wire for repair.
- (c) Thoroughly mix the repair agent (Dupont paste No. 4817).

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- (d) Using a fine tip brush, apply a small amount of the agent to the wire.
- (e) After a few minutes, remove the masking tape.
- (f) Do not repair the defogger wire for at least 24 hours.