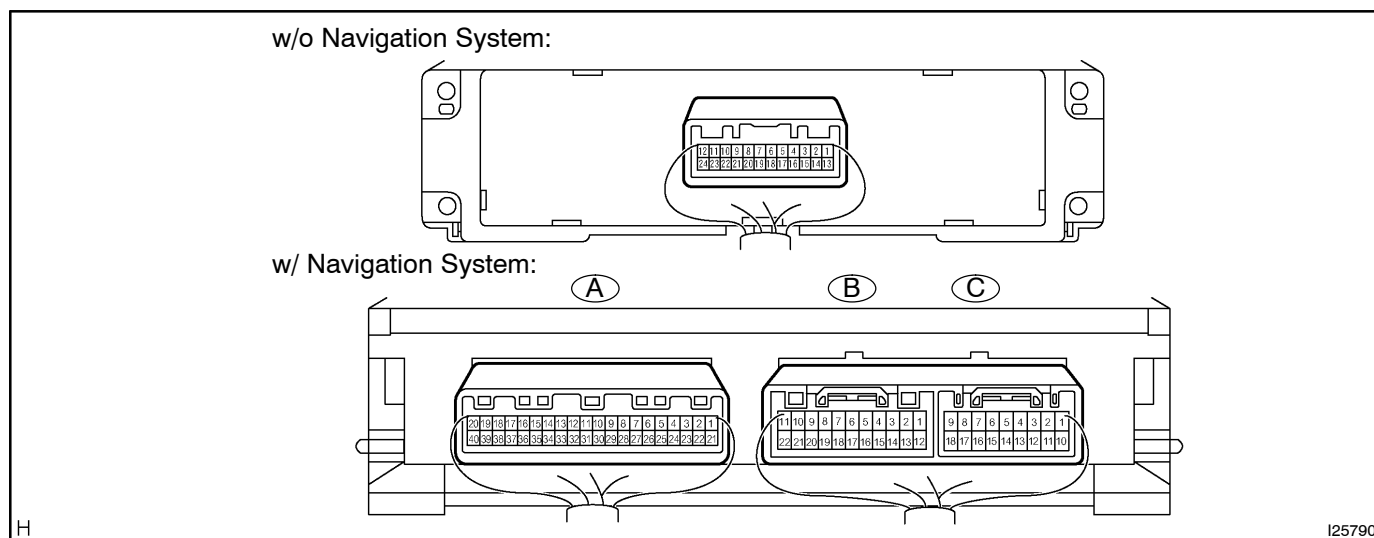


## INSPECTION

### 1. INSPECT DEFOGGER SWITCH CIRCUIT

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



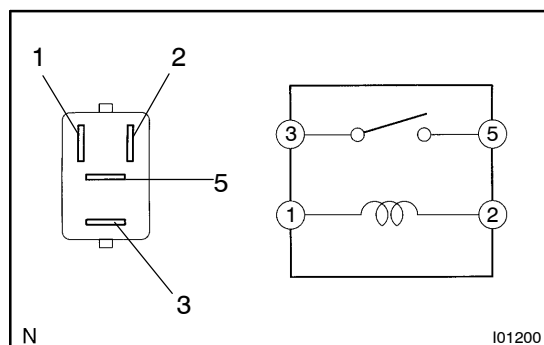
#### w/ Navigation:

| Tester connection    | Condition                   | Specified condition      |
|----------------------|-----------------------------|--------------------------|
| B12 (GND) – Ground   | Constant                    | Continuity               |
| B11 (+B) – Ground    | Constant                    | Battery positive voltage |
| B22 (IG) – Ground    | Ignition switch LOCK or ACC | No voltage               |
| B22 (IG) – Ground    | Ignition switch ON          | Battery positive voltage |
| A10 (RDFGR) – Ground | Constant                    | Battery positive voltage |

#### w/o Navigation:

| Tester connection | Condition                   | Specified condition      |
|-------------------|-----------------------------|--------------------------|
| 16 (GND) – Ground | Constant                    | Continuity               |
| 8 (IG) – Ground   | Ignition switch LOCK or ACC | No voltage               |
| 8 (IG) – Ground   | Ignition switch ON          | Battery positive voltage |
| 2 (DEFC) – Ground | Constant                    | Battery positive voltage |

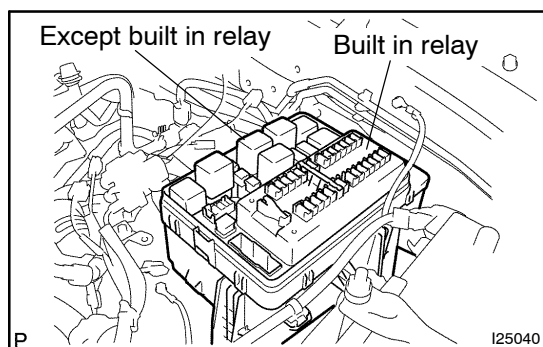
If the circuit is not as specified, replace the switch.



### 2. INSPECT DEFOGGER RELAY CONTINUITY

| Condition                           | Tester connection | Specified condition |
|-------------------------------------|-------------------|---------------------|
| Constant                            | 1 – 2             | Continuity          |
| Apply B+ between terminals 1 and 2. | 3 – 5             | Continuity          |

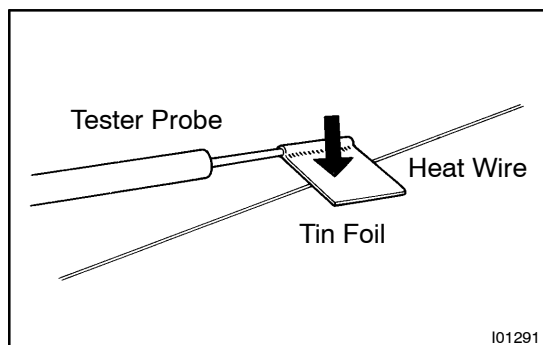
If continuity is not as specified, replace the relay.



### 3. INSPECT ENGINE ROOM R/B RELAY CIRCUIT (See Page BE-15)

#### HINT:

The mirror heater relay is built in engine room junction block. Also the relay is constructed with a relay block that is in the junction block as a unit. To disconnect the wire harness connecting with relay block is impossible. If the relay has a malfunction, replace it with junction block assembly wire harness together.

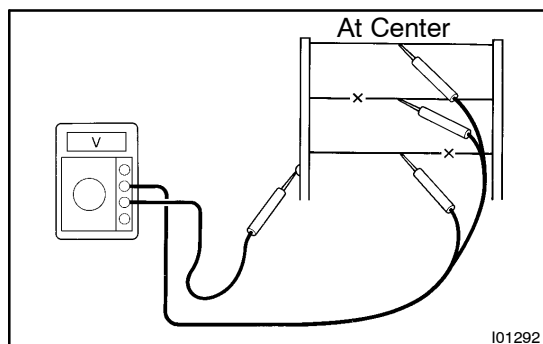


### 4. INSPECT DEFOGGER WIRE

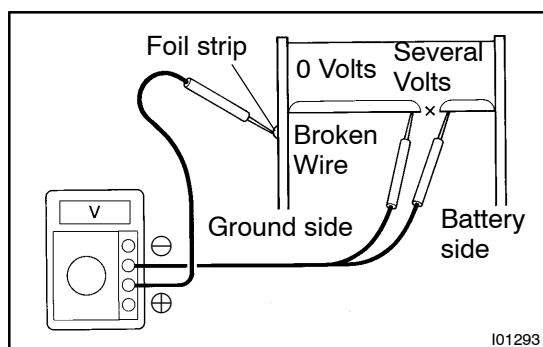
#### NOTICE:

- 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, wrap a piece of tin foil around the tip of the negative probe and press the foil against the wire with your finger, as shown.

- Turn the ignition switch ON.
- Turn the defogger switch ON.
- 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             |



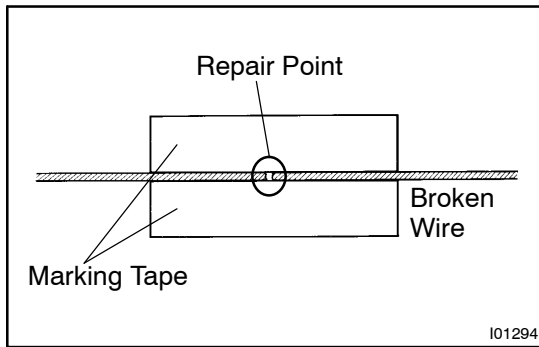
#### HINT:

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.

- Place the voltmeter positive (+) lead against the defogger wire on the battery side.
- Place the voltmeter negative (-) lead with the foil strip against the wire on the ground side.
- Slide the positive (+) lead from battery to ground side.
- The point where the voltmeter deflects from several V to zero V is the place where the defogger wire is broken.

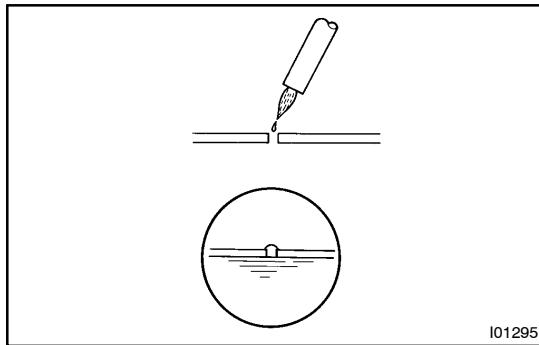
#### HINT:

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

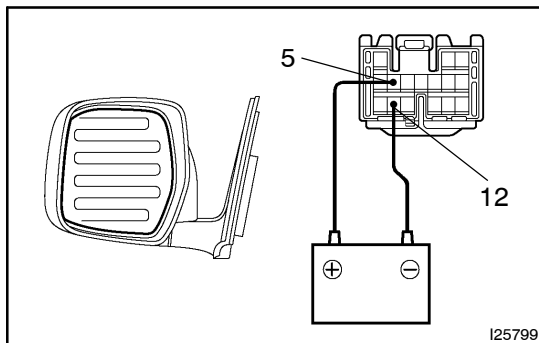


### 5. IF NECESSARY, REPAIR DEFOGGER WIRE

- (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).



- (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.



### 6. w/ Mirror heater:

#### INSPECT MIRROR HEATER OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 12.
- (b) Check that the mirror becomes warm.

HINT:

It will take a short time for the mirror to become warm.