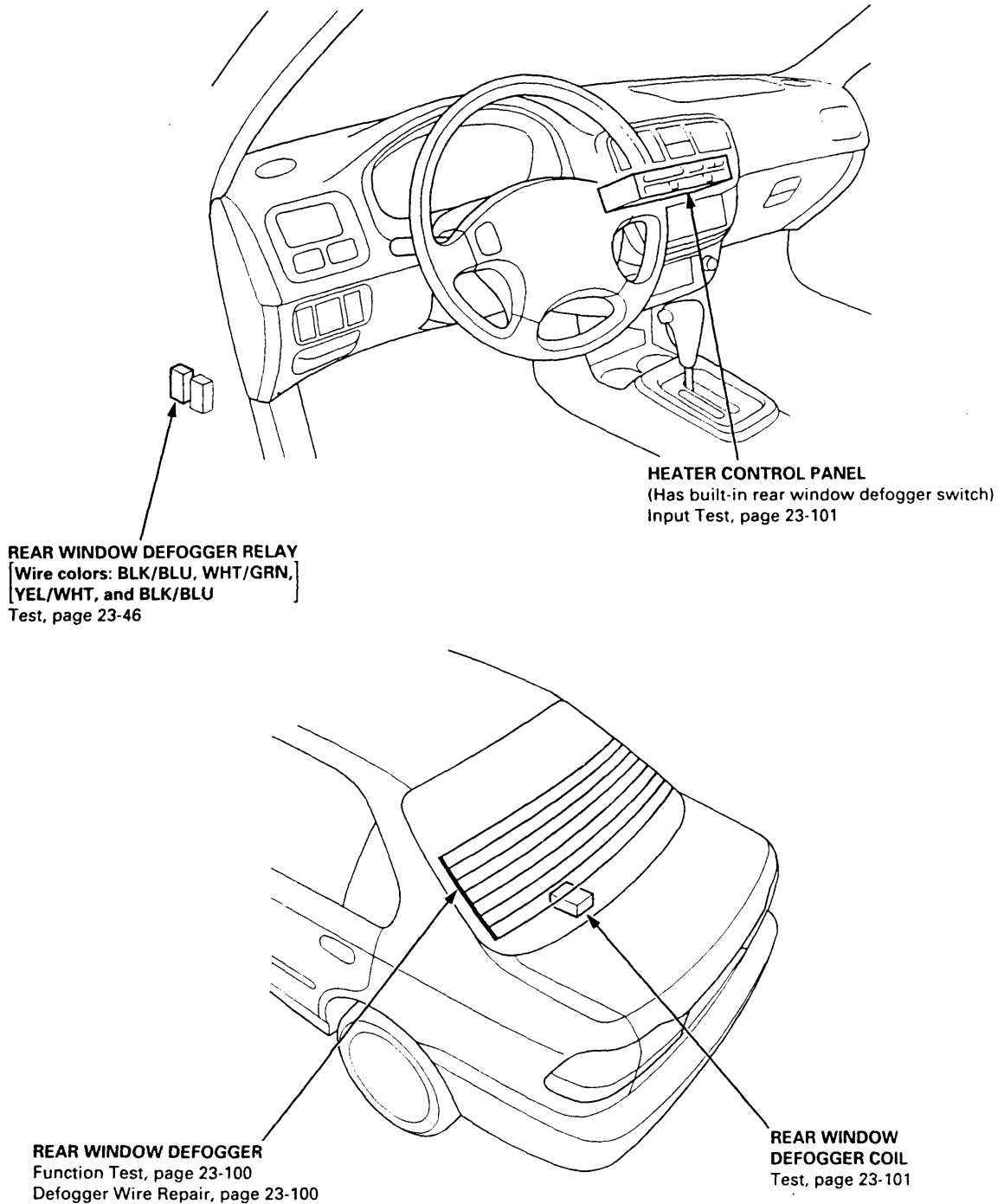


Rear Window Defogger

Component Location Index

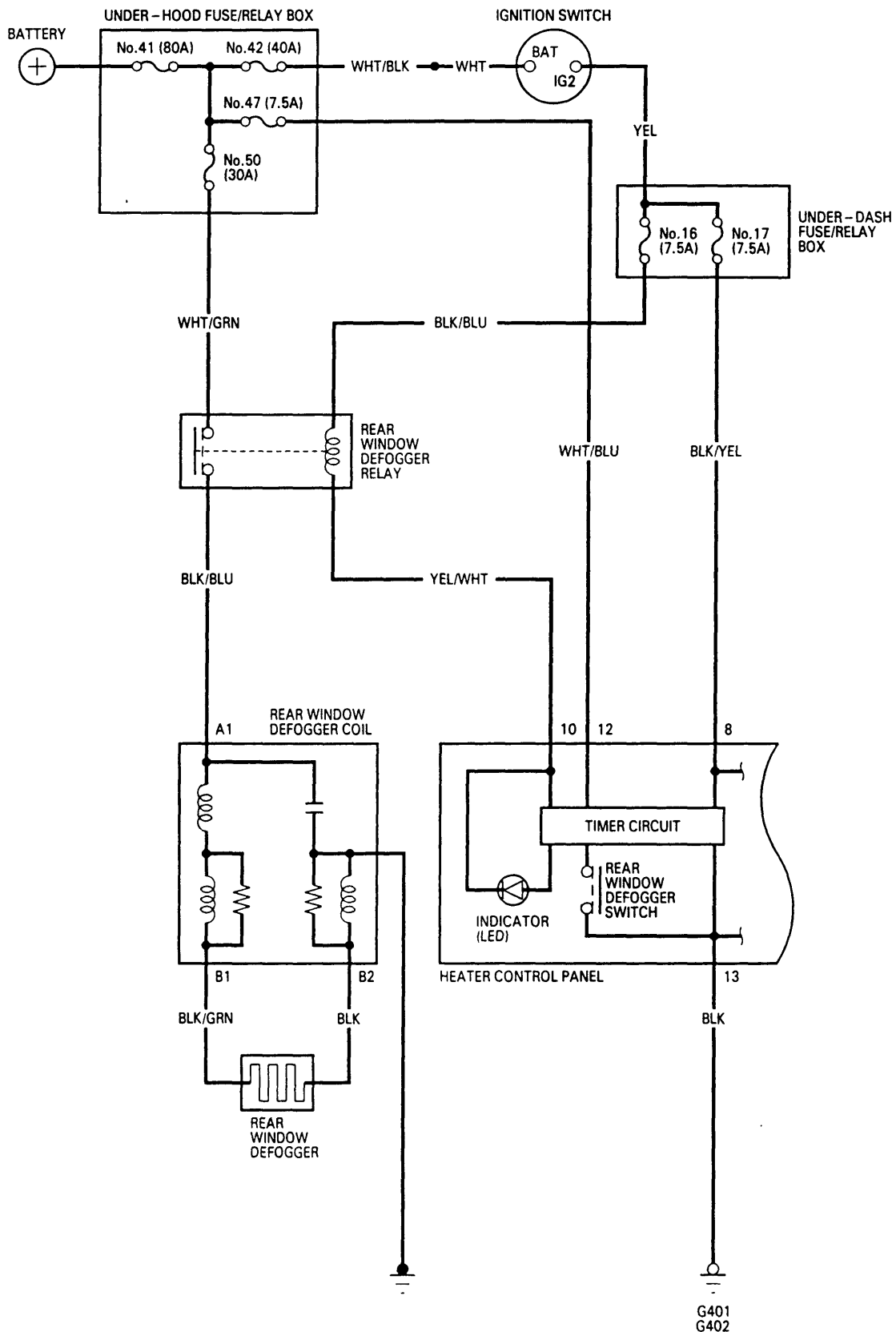


Description:

The rear window defogger is controlled by the defogger timer in the heater control panel. When the defogger switch is pushed, it sends a signal to the defogger timer, and the defogger stays on for about 40 minutes. It shuts off when the ignition switch is turned off, or the defogger switch is pushed again. The indicator light in the switch comes on when the defogger is on.



Circuit Diagram



Rear Window Defogger

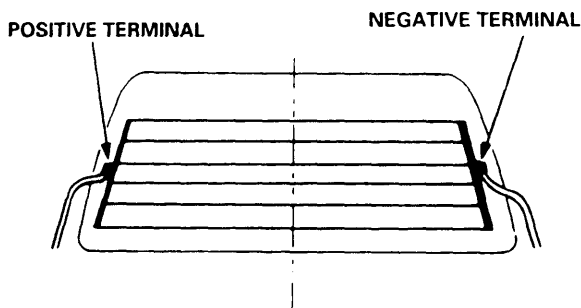
Function Test

CAUTION: Be careful not to scratch or damage the defogger wires with the tester probe.

1. Check for voltage between the positive terminal and body ground with the ignition switch and defogger switch ON.

There should be battery voltage.

- If there is no voltage, check for:
 - blown No. 50 (30 A) fuse in the under-hood fuse/relay box.
 - faulty defogger relay.
 - faulty defogger switch.
 - faulty defogger coil.
 - an open in the BLK/BLU (BLK/GRN) wire.
- If there is battery voltage, go to step 2.



2. Check for continuity between the negative terminal and body ground. If there is no continuity, check for an open in the BLK wire and a faulty rear window defogger coil.

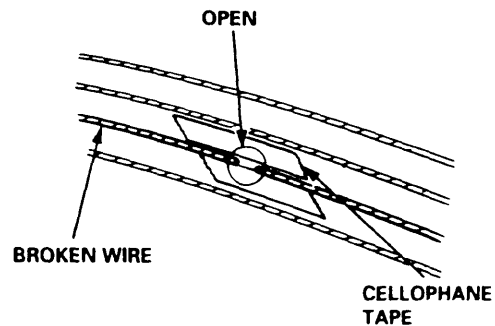
3. Touch the voltmeter positive probe to the halfway point of each defogger wire, and the negative probe to the negative terminal. There should be approximately 6 V with the ignition switch and the defogger switch ON.

- If the voltage is as specified, the defogger wire is OK.
- If the voltage is not as specified, repair the defogger wire.
 - If it is more than 6 V, there is a break in the negative half of the wire.
 - If it is less than 6 V, there is a break in the positive half of the wire.

Defogger Wire Repair

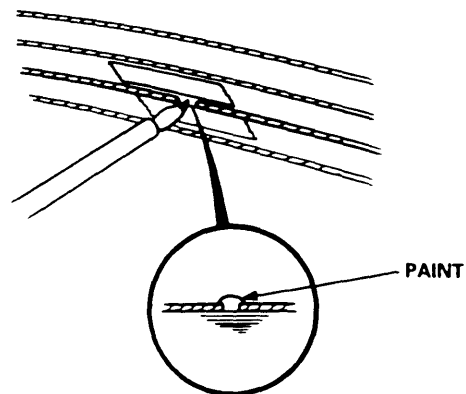
NOTE: To make an effective repair, the broken section must be no longer than one inch.

1. Lightly rub the area around the broken section with fine steel wool, then clean it with alcohol.
2. Carefully mask above and below the broken portion of the defogger wire with cellophane tape.



3. Using a small brush, apply a heavy coat of silver conductive paint extending about 1/8" on both sides of the break. Allow 30 minutes to dry.

NOTE: Thoroughly mix the paint before use.



4. Check for continuity in the repaired wire.
5. Apply a second coat of paint in the same way. Let it dry three hours before removing the tape.

