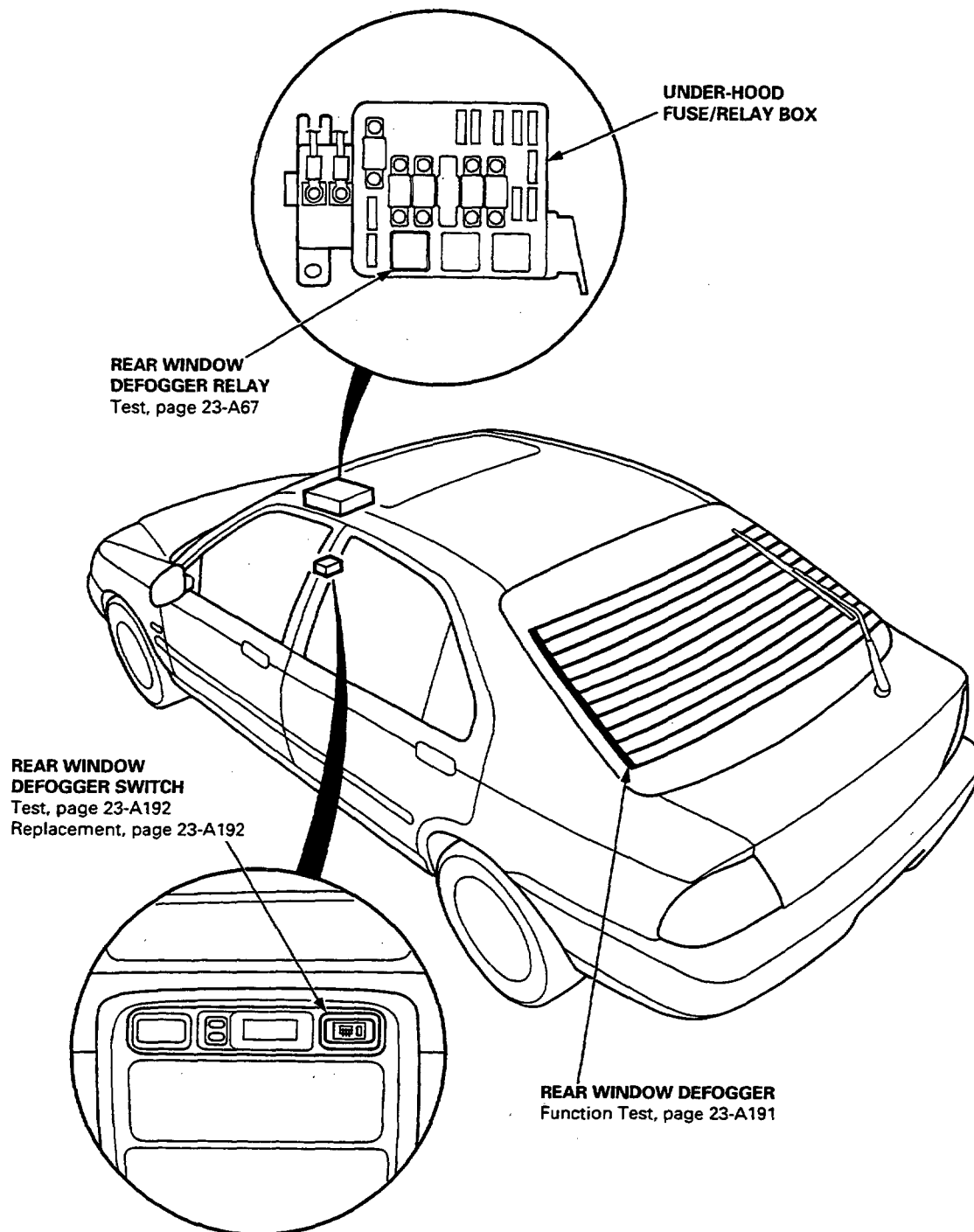


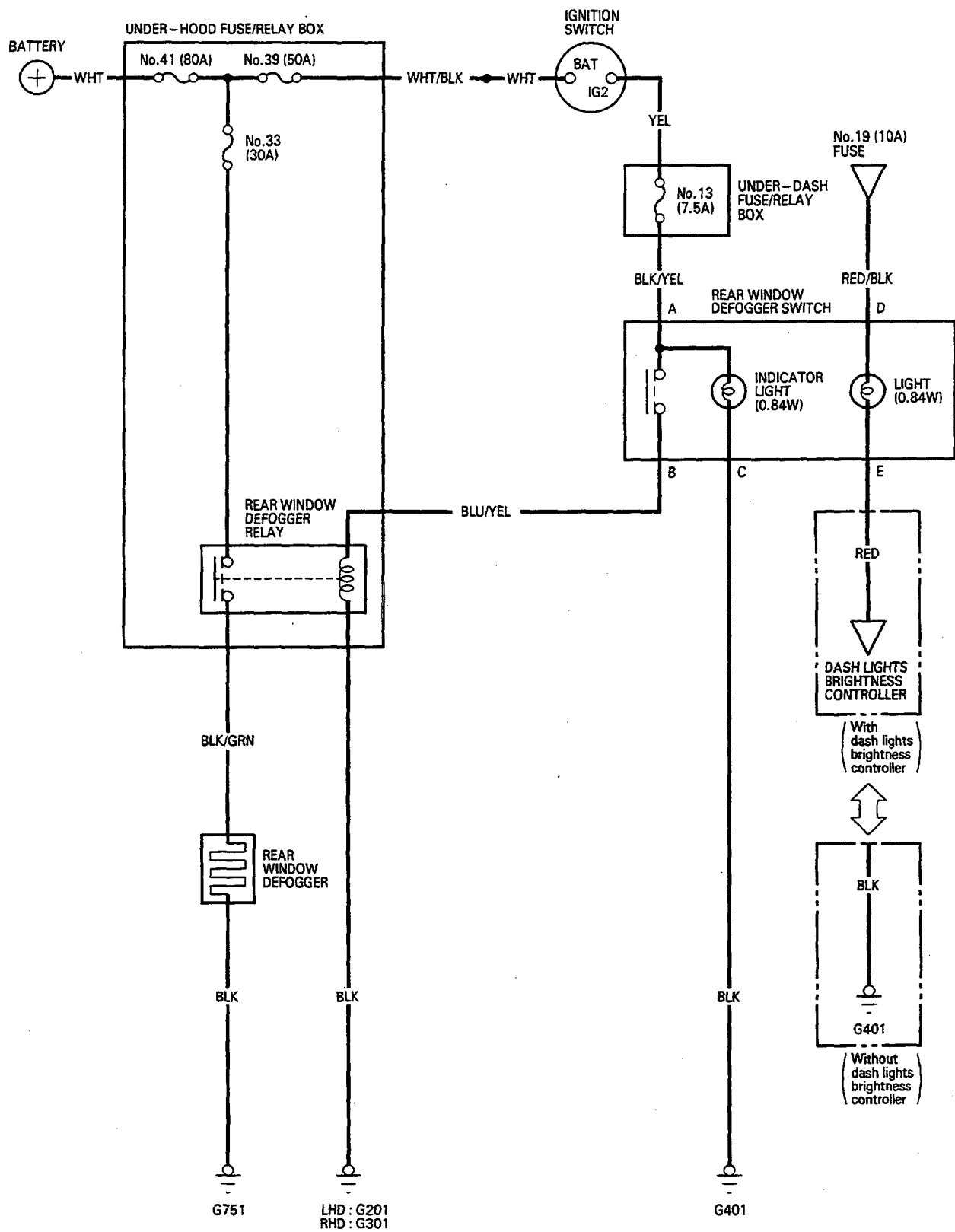
# Rear Window Defogger

## Component Location Index





## Circuit Diagram



# Rear Window Defogger

## Troubleshooting

NOTE: The numbers in the table show the troubleshooting sequence.

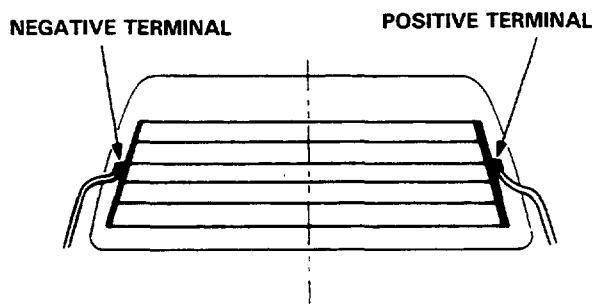
Symptom	Item to be inspected							Open circuit, loose or disconnected terminals.
	Blown indicator light bulb	Blown No. 13 (7.5 A) fuse (in the under-dash fuse/relay box)	Blown No. 33 (30 A) fuse (in the under-hood fuse/relay box)	Function test	Defogger relay	Defogger switch	Poor ground	
Defogger works, but indicator light does not go on.	1						G401	BLK/YEL
Defogger does not work and indicator light does not go on.		1				2	G401	YEL, BLU/YEL, or BLK/YEL
Defogger does not work, but indicator light goes on.			1	4	2	3	G201 G301 G751	BLU/YEL, BLK/YEL or BLK/GRN



## 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 the defogger switch ON. There should be battery voltage.
  - If there is no voltage, check for:
    - Faulty defogger relay.
    - Faulty defogger switch.
    - An open in the BLK/GRN wire.
  - If there is battery voltage, go to step 2.

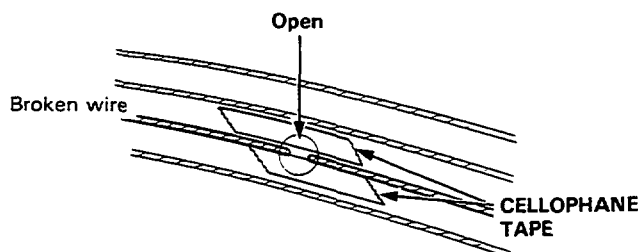


2. Check for continuity between the negative terminal and body ground.  
If there is no continuity, check for an open in the defogger ground wire.
3. Touch the voltmeter positive probe to the middle of each defogger wire, and the negative probe to the negative terminal.  
There should be approximately 6 V with the ignition switch and the defogger switch ON.
  - If the voltage is as specified, the defogger wire is OK.
  - If there is battery voltage, the defogger wire is broken on the negative side.
  - If there is no voltage, the defogger wire is broken on the positive side.

## Defogger Wire Repair

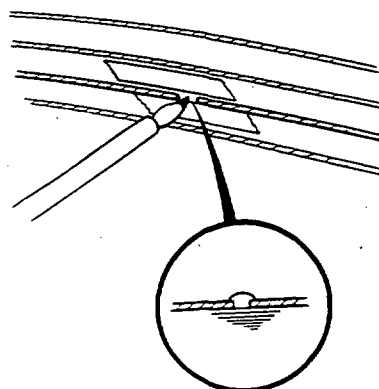
**NOTE:** Repair section must be no longer than 25 mm (1.0 in).

1. Lightly scour area around the break with fine steel wool, then clean with alcohol.
2. Carefully mask both edges of 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 3 mm (1/8 in) on both sides of the break. Allow 30 minutes to dry.

**NOTE:** Thoroughly mix paint before use.



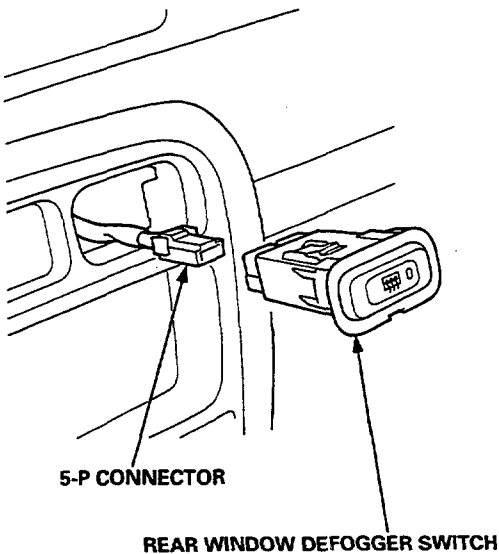
4. Check for proper operation with a voltmeter (approximately 6 V at the mid-point).
5. Apply a second coat of paint in the same manner.  
Let it dry three hours before you remove the tape.

# Rear Window Defogger

## Switch Replacement

**CAUTION:** Be careful not to damage the rear window defogger switch or the front console panel when prying the switch out.

- 1. Carefully pry the switch out of the front console panel.
- 2. Disconnect the 5-P connector from the switch.

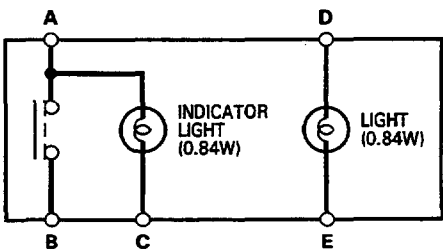
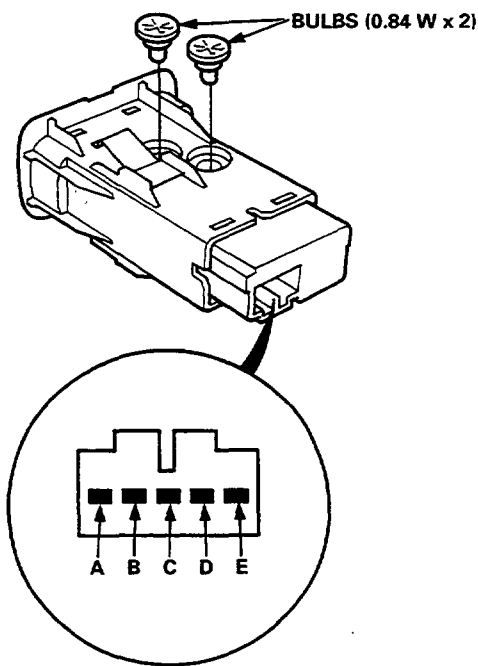


- 3. Install in the reverse order of removal.

## Switch Test

- 1. Remove the rear window defogger switch from the front console panel.
- 2. Check for continuity between the terminals in each switch position according to the table.

Terminal Position	A	B		C	D		E
OFF	○	—	⊗	○	○	⊗	○
ON	○	○	⊗	○	○	⊗	○

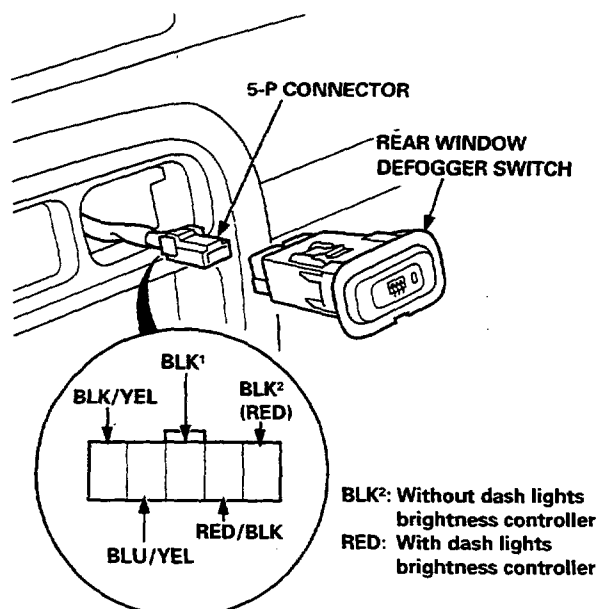




## Switch Input Test

**NOTE:** Before testing, check for blown No. 13 (7.5 A) fuse in the under-dash fuse/relay box.

1. Remove the switch from the front console.
2. Check for continuity between the BLK<sup>1</sup> (BLK<sup>2</sup>) terminal and body ground.  
There should be continuity.
  - If there is continuity, go to step 3.
  - If there is no continuity, check for
    - an open in the wire.
    - poor ground (G401).
3. Turn the ignition switch ON (II) and check the voltage between the BLK/YEL (+) and the BLK (-) terminals.  
There should be battery voltage.
  - If there is no battery voltage, check for an open in the BLK/YEL wire.
  - If there is battery voltage, go to step 4.



4. Headlight switch ON.
5. Check for voltage between the RED/BLK terminal and BLK<sup>2</sup> (RED) terminal.  
There should be battery voltage.
  - If there is battery voltage, go to step 6.
  - If there is no voltage, check for
    - blown No.19 (10 A) fuse in the under-dash fuse/relay box.
    - an open in the wire.
    - faulty dash lights brightness controller.  
(With dash lights brightness controller)

6. Connect a jumper wire between the BLK/YEL and the BLU/YEL terminals.  
Turn the ignition switch ON, and check that the rear window defogger works normally.

- If the rear window defogger works normally, replace the rear window defogger switch.
- If the rear window defogger does not work, check for
  - faulty rear window defogger relay.
  - an open in the wire.