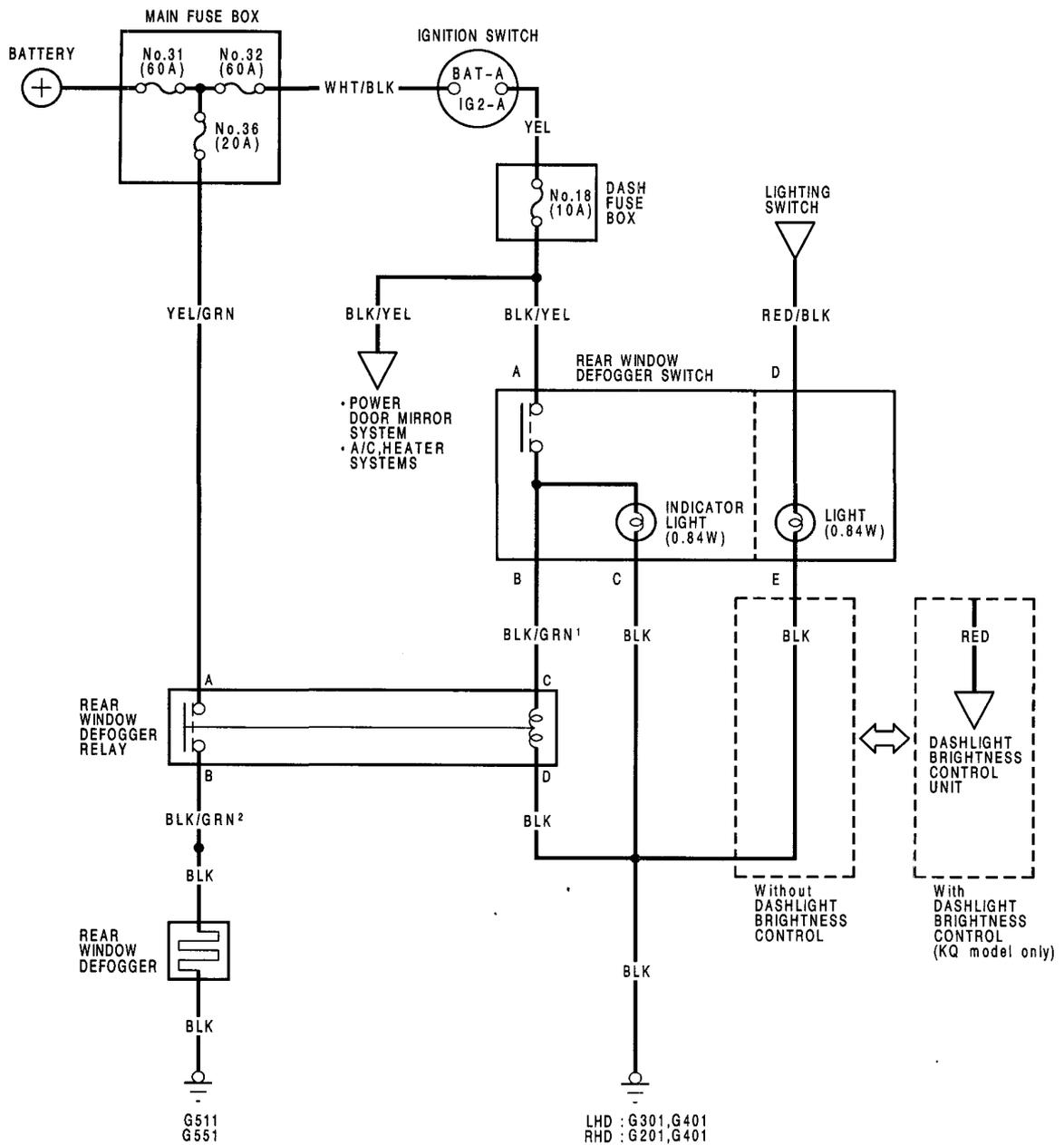


Rear Window Defogger

Circuit Diagram

NOTE : Several different wires have the same color. They have been given a number skffix to distinguish them (for example BLK/GRN¹ and BLK/GRN² are not the same.)





Troubleshooting

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

Symptom	Blown indicator light bulb	Blown No. 18 (10A) fuse (in the dash fuse box)	Blown No. 36 (20A) fuse (in the main fuse box)	Defogger switch	Function test	Defogger relay	Repair defogger wire	Poor ground	Open circuit in wires or loose or disconnected terminals
Defogger operates, but indicator light does not go on.	1								
Defogger does not operate and indicator light does not go on.		1		2				G301, G401 [G201, G401]	BLK/YEL or BLK/GRN ¹
Defogger does not operate, but indicator light goes on.			1		2	3		G511, G551	YEL/GRN or BLK/GRN ²
Broken defogger wire							1		

[] : RHD

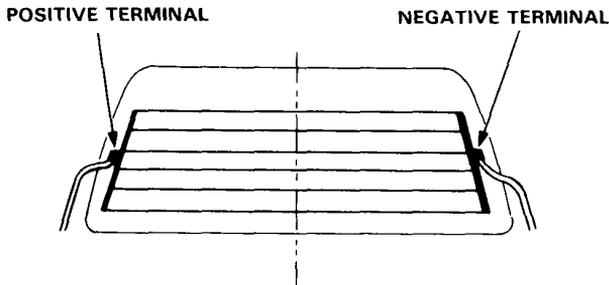
Rear Window Defogger

Function Test

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

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.
 - An open in the BLK, BLK/GRN² or YEL/GRN wire.
- If there is battery voltage, go to step 2.



2. Check for continuity between the negative terminal and body ground.
If no continuity, check for open in the defogger ground wire.

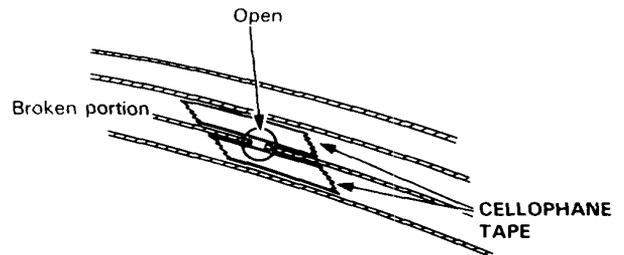
3. Lightly touch the voltmeter positive probe to the center of each defogger wire, and the negative probe to the negative terminal.
There should be approximately 6 V with the ignition switch and the defogger switch ON.

- If the voltage is as specified, the defogger wire is OK.
- If there is battery voltage, the defogger wire is broken in the negative side from the center.
- If there is no voltage, the defogger wire is broken in the positive side from the center.

Defogger Wire Repair

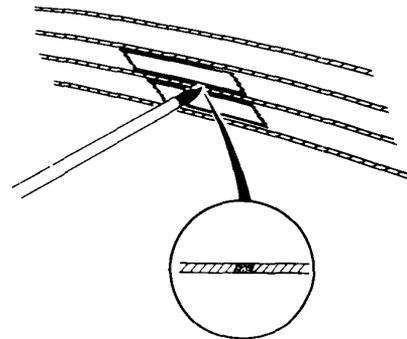
NOTE: Repair section must be no longer than one inch.

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



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

NOTE: Thoroughly mix paint before use.



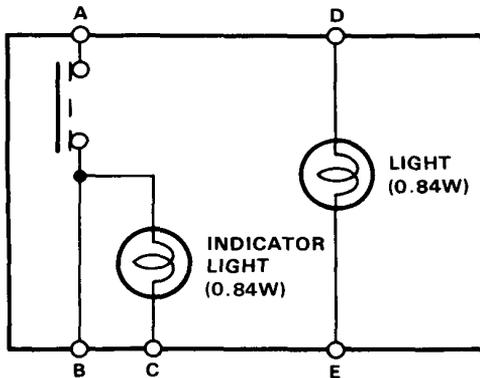
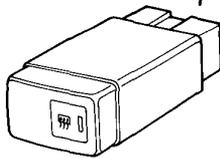
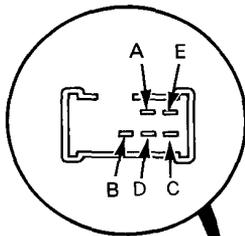
4. Check for proper operation with a voltmeter (approximately 6 V at the mid-point).
5. Apply a second coat of paint in the same manner. Dry 3 hours before removing tape.



Switch Test

1. Remove the switch from the instrument panel.
2. Check for continuity between the terminals according to the table.

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



Relay Test

1. Remove the defogger relay from the dash fuse box.
2. There should be continuity between the A and B terminals when the battery is connected to the C and D terminals. There should be no continuity when the battery is disconnected.

