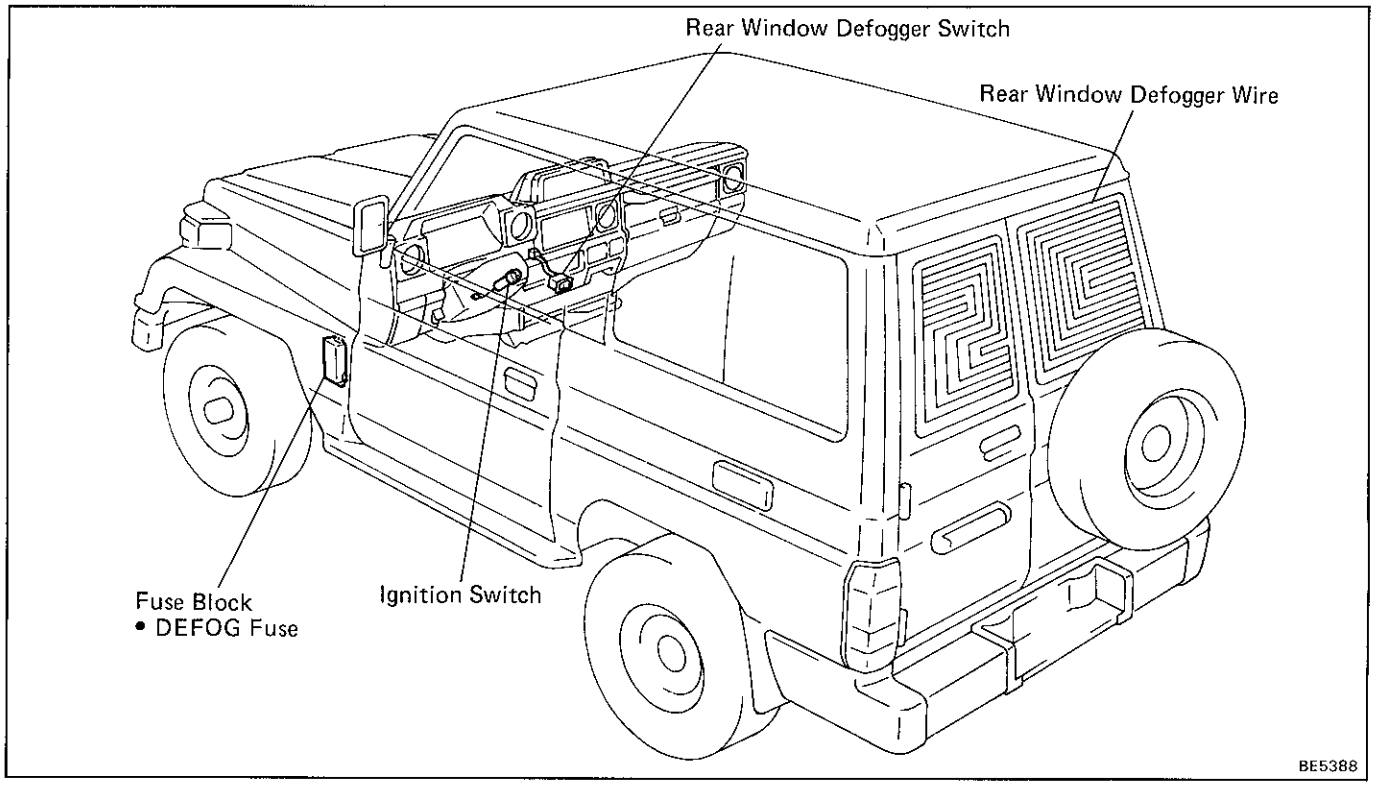
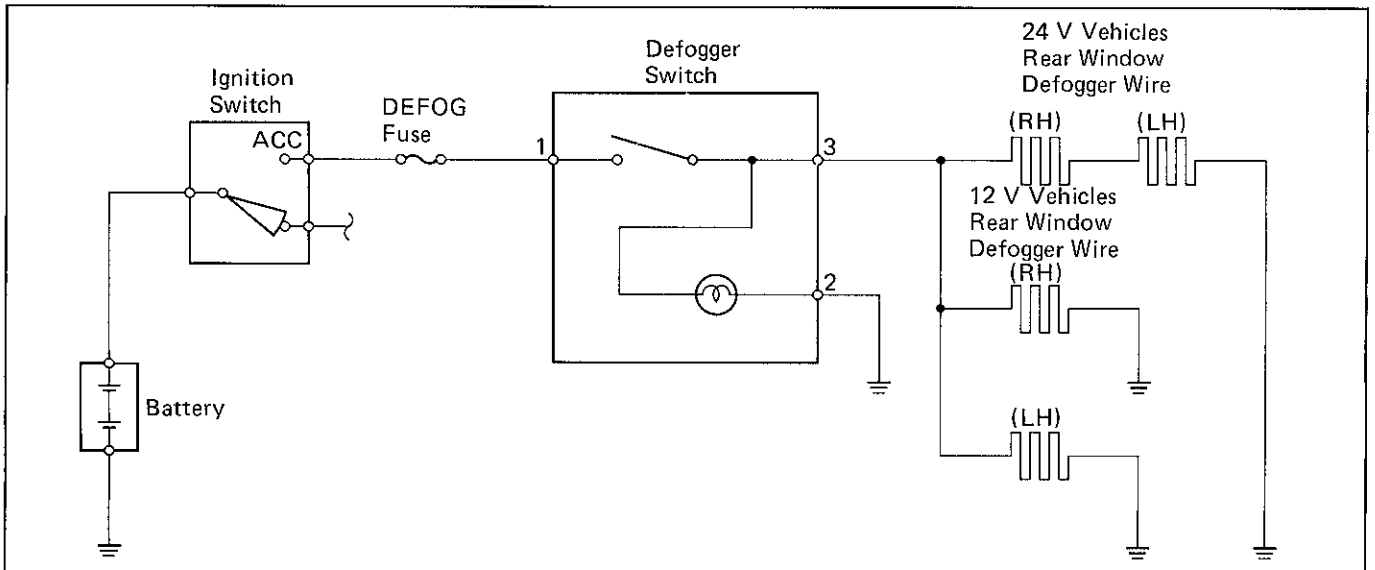
DEFOGGER SYSTEM

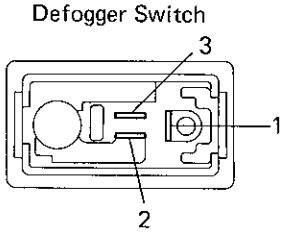
Parts Location



Wiring and Connector Diagrams



The POWER SOURCE CIRCUIT has been simplified. For full details, see pages BE-10, 11, 12.



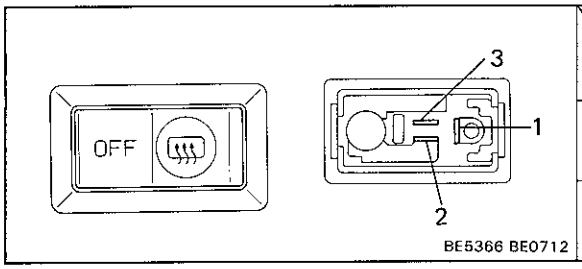
BE5365
BE0712

Troubleshooting

Problem	Possible cause	Remedy	Page
Rear window defogger system do not operate	DEFOG fuse blown	Replace fuse and check for short	BE-3
	Defogger switch faulty	Check switch	BE-72
	Defogger wire broken	Check wires	BE-72
	Wiring or ground faulty	Repair as necessary	

Parts Inspection

1. **INSPECT DEFOGGER SWITCH (Continuity)**



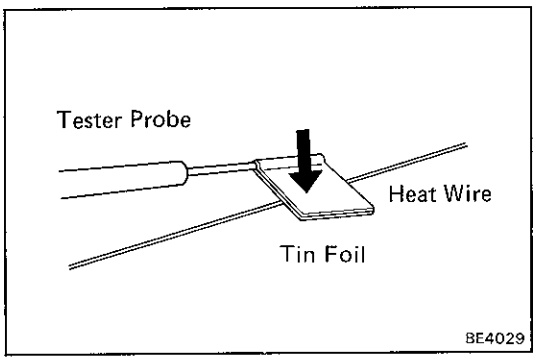
Terminal / Switch position	1	2	3
OFF		○	○
ON	○	○	○

If continuity is not as specified, check the bulb or replace the switch.

2. **INSPECT DEFOGGER WIRES**

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.**

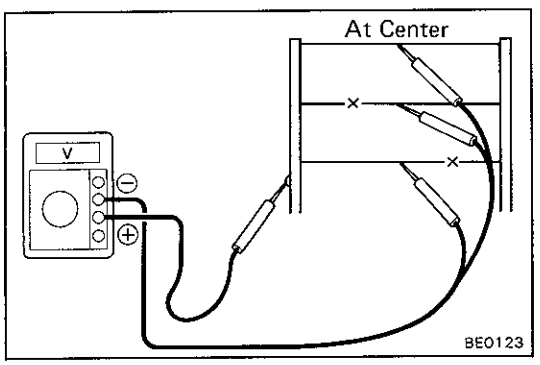


(Wire Breakage)

(a) Turn the ignition switch ON.

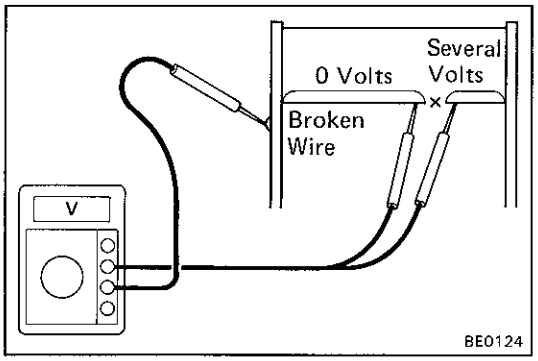
(b) Push in the defogger switch.

(c) Inspect the voltage at the center of each heat wire as shown.



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

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



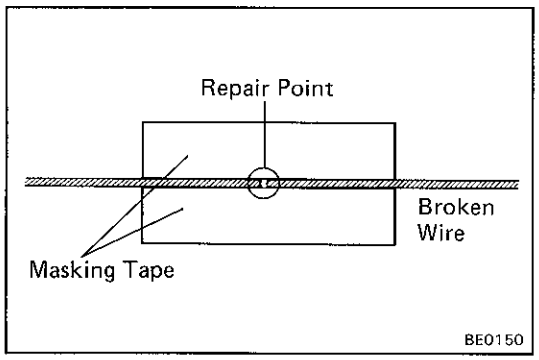
(Wire Breakage Point)

(a) Place the voltmeter positive (+) lead against the defogger positive (+) terminal.

(b) 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.

(c) The point where the voltmeter deflects from zero to several volts is the place where the heat wire is broken.

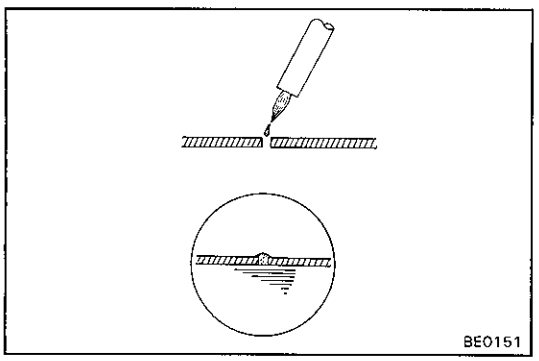
HINT: If the heat wire is not broken, the voltmeter indicates 0 volts at the positive (+) end of the heat wire but gradually increases to about 12 volts as the meter probe is moved to the other end.



3. REPAIR DEFOGGER WIRES

(a) Clean the broken wire tips with a grease, wax and silicone remover.

(b) Place the masking tape along both sides of the wire to be repaired.



(c) Throughly mix the repair agent (Dupont paste No.4817 or equivalent).

(d) Using a fine tip brush, apply a small amount to the wire.

(e) After a few minutes, remove the masking tape.

(f) Allow the repair to stand at least 24 hours.