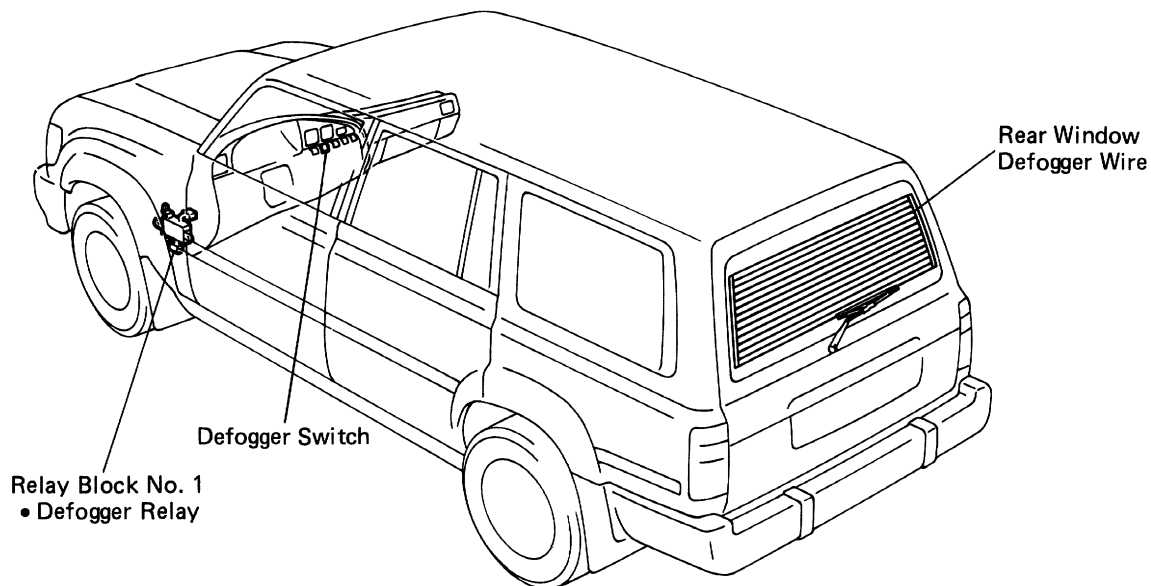


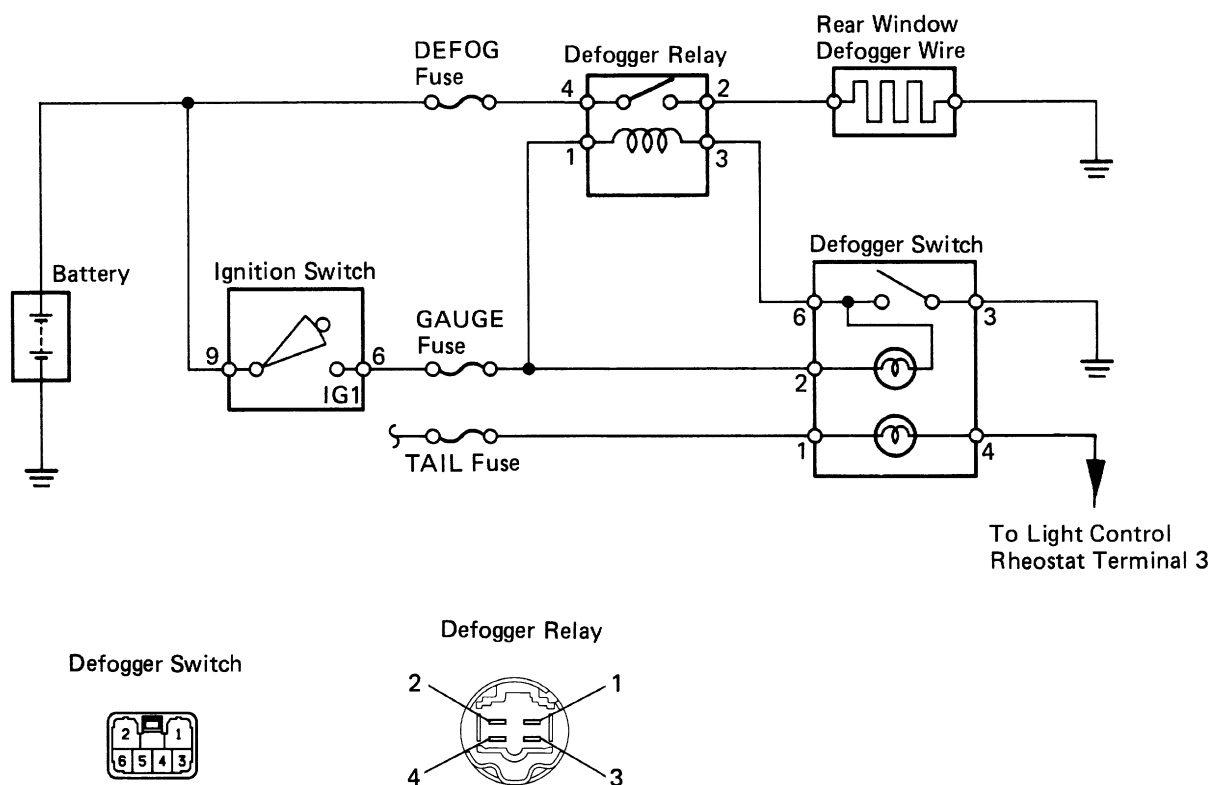
DEFOGGER SYSTEM

Parts Location



BE5000

Wiring and Connector Diagrams



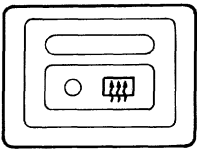
The POWER SOURCE CIRCUIT has been simplified. For full details, see page [BE-10](#).

Troubleshooting

Problem	Possible cause	Remedy	Page
Rear window defogger system do not operate	DEFOG fuse blown GAUGE fuse blown Defogger switch faulty Defogger relay faulty Defogger wire broken Wiring or ground faulty	Replace fuse and check for short Replace fuse and check for short Check switch Check relay Check wires Repair as necessary	BE-4, BE-6 BE-4, BE-6 BE-44 BE-44 BE-44

Parts Inspection

1. INSPECT DEFOGGER SWITCH (Continuity)

 BE4995 S-6-2	Terminal			Illumination	
	Switch position			1	4
	2	3	6		
OFF					
ON					

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

2. INSPECT DEFOGGER RELAY

See Power main relay on Page [BE-56](#).

3. INSPECT DEFOGGER WIRES

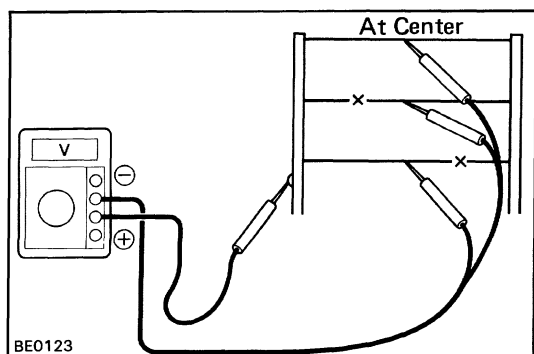
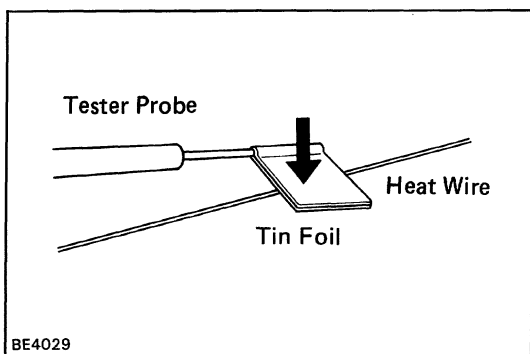
NOTICE:

- 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)

- Turn the ignition switch ON.
- Push in the defogger switch.
- Inspect the voltage at the center of each heat wire as shown.

Voltage	Criteria
approx. 5V	Okey (No break in wire)
approx. 1 0V or 0V	Broken wire

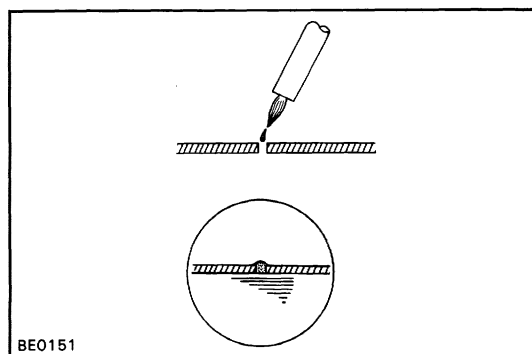
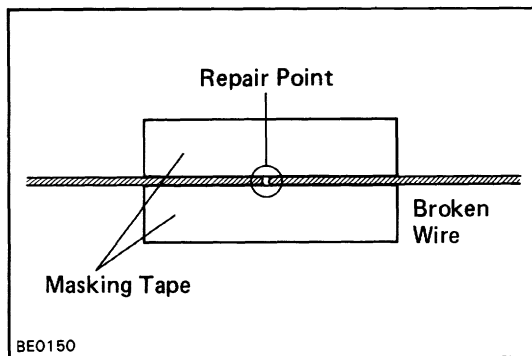
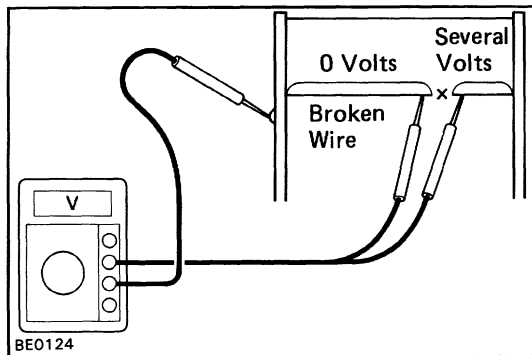


HINT: If there is 10V, the wire is broken between the center of the wire and positive (+) end. If there is no voltage, the wire is broken between the center of the wire and ground.

(Wire Breakage Point)

- Place the boltmeter positive (+) lead against the defogger positive (+) terminal.
- Place the boltmeter negative (-) lead with the foil strip against the heat wire at the positive (+) terminal end and slide it toward the negative (-) terminal end.
- 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.



4. REPAIR DEFOGGER WIRES

- Clean the broken wire tips with a grease, wax and silicone remover.
- Place the masking tape along both sides of the wire to be repaired.
- Thoroughly mix the repair agent (Dupont paste No.4817 or equivalent).
- Using a fine tip brush, apply a small amount to the wire.
- After a few minutes, remove the masking tape.
- Allow the repair to stand at least 24 hours.