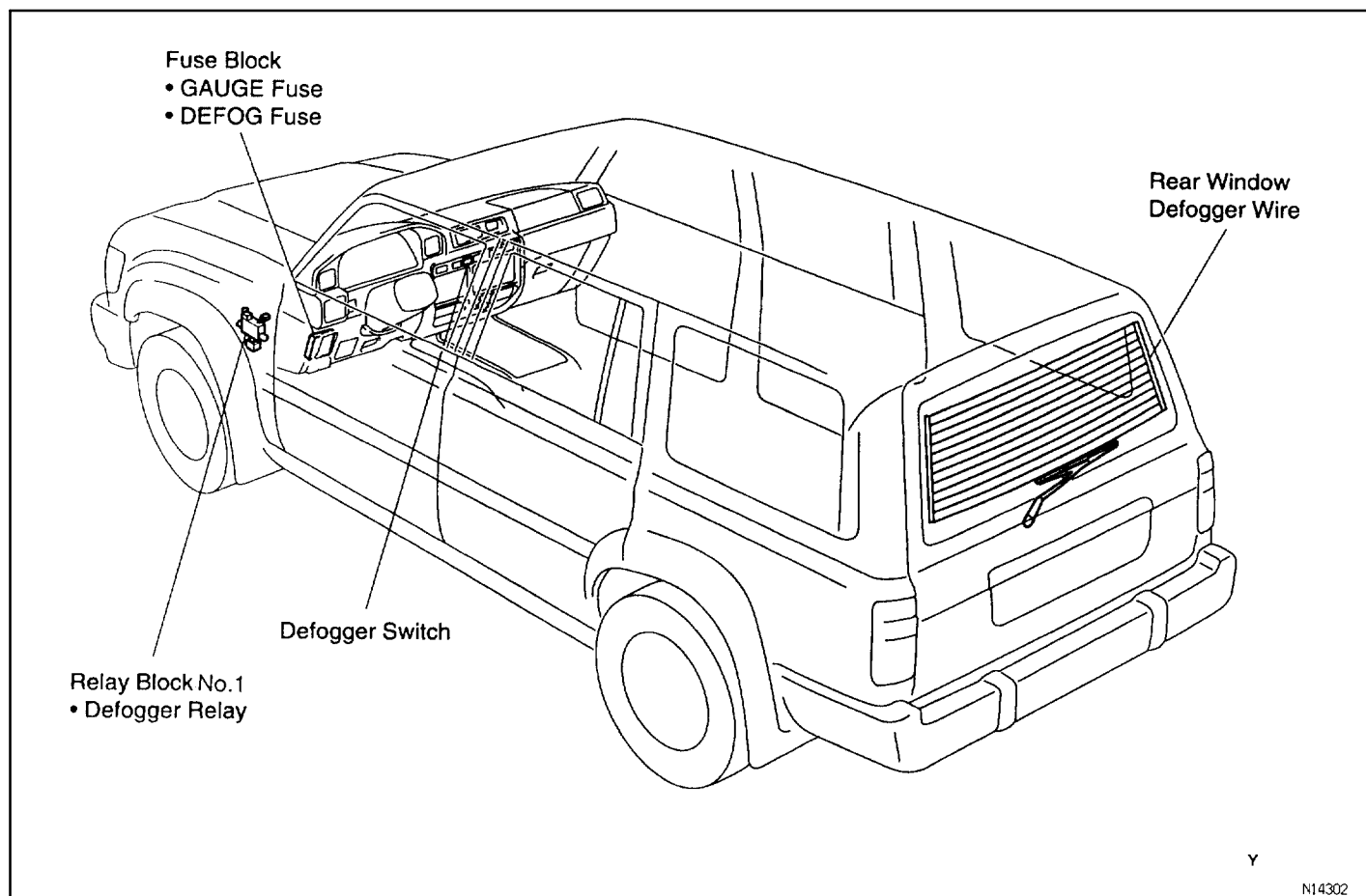


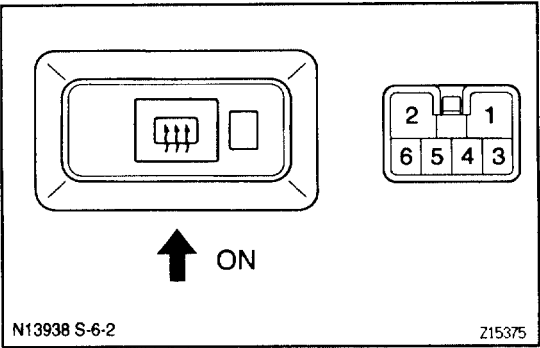
DEFOGGER SYSTEM PARTS LOCATION



TROUBLESHOOTING

The table below will be useful for you in troubleshooting these electrical problems. The most likely causes of the malfunction are shown in the order of their probability. Inspect each part in the order shown, and replace the part when it is found to be faulty.

Trouble	Parts name	(See page)
Rear window defogger do not operate.	1. DEFOG Fuse	(BE-5)
	2. GAUGE Fuse	(BE-5)
	3. Defogger Relay	(BE-59)
	4. Defogger Switch	(BE-50)
	5. Defogger Wire	(BE-50)
	6. Wire Harness	



DEFOGGER SWITCH INSPECTION

INSPECT SWITCH CONTINUITY

Condition	Tester connection to terminal number	Specified condition
Switch OFF	–	No continuity
Switch ON	2 – 3 – 6	Continuity
Illumination circuit	1 – 4	Continuity

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

DEFOGGER RELAY INSPECTION

INSPECT RELAY

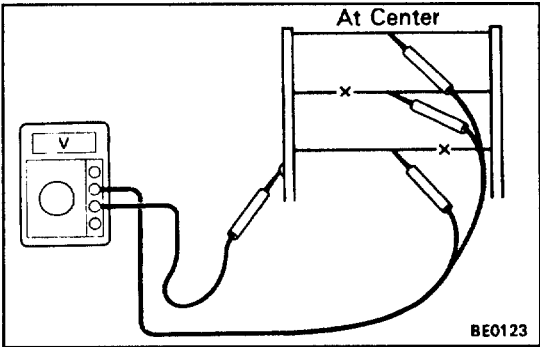
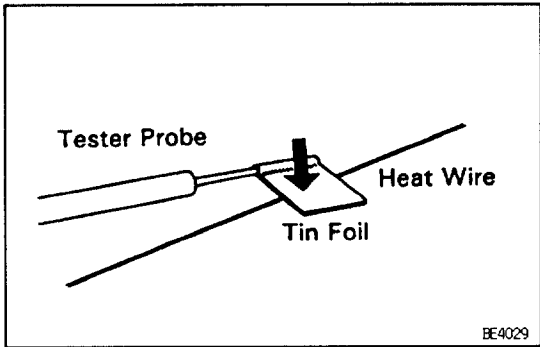
See power main relay on page [BE-59](#)

DEFOGGER WIRES

NOTICE:

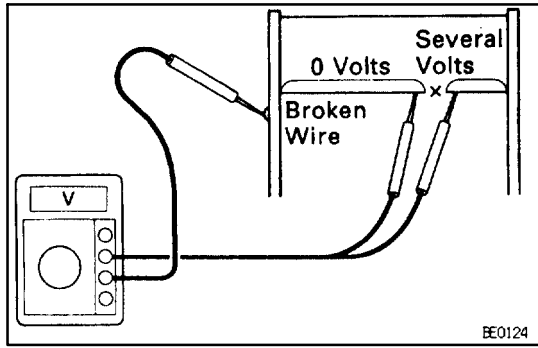
- When cleaning the glass, use a soft, dry cloth and wipe the glass in the direction of the wire. Take care not to damage the wires.
- Do not use detergents or glass cleaners with abrasive ingredients.
- When measuring voltage, wind a piece of tin foil around the top of the negative (–) probe and press the foil against the wire with your finger, as shown.

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



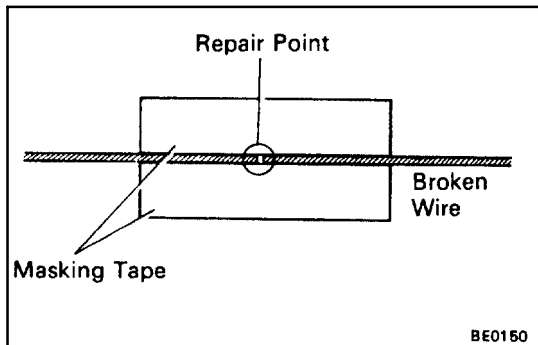
Voltage	Criteria
Approx. 5 V	Okay (No break in wire)
Approx. 10 V or 0 V	Broken wire

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.



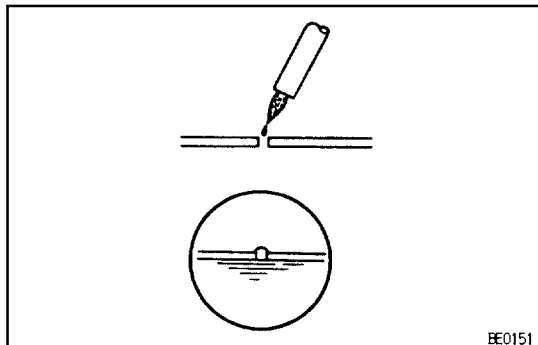
- (d) Place the voltmeter positive (+) lead against the defogger positive (+) terminal.
- (e) Place the voltmeter negative (-) lead with the foil strip against the heat wire at the positive (+) terminal end and slide it toward the negative (-) terminal end.
- (f) The point where the voltmeter deflects from zero to several V is the place where the heat wire is broken.

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



DEFOGGER WIRE REPAIR

- (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) Thoroughly 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.