

DEFOGGER - REAR WINDOW

Article Text

1987 Volkswagen Quantum/Quantum Syncro
For Volkswagen Technical Site
Copyright © 1998 Mitchell Repair Information Company, LLC
Sunday, March 19, 2000 01:43AM

ARTICLE BEGINNING

1987 Accessories & Safety Equipment
ALL MANUFACTURERS DEFOGGERS - REAR WINDOW

All Import Car Models

DESCRIPTION

Rear window defogger systems use a heating wire grid bonded to the inside of rear window. Window heat is regulated by a control switch and a relay/timer. An indicator lamp should light to show system is operating. Power to the control switch is through a fuse in the fuse block.

OPERATION

Defogger operates when the ignition is on and control switch is moved to "ON" position. When the switch is turned to the "ON" position, current flows through the wire and evaporates the water from the window. The timer relay will keep power to the grid for a few minutes or until the ignition is turned off.

TROUBLE SHOOTING

DEFOGGER DOES NOT WORK

Blown fuse or poor contact. Defogger switch defective. Poor connections. Broken wire. Relay defective.

INDICATOR LIGHT DOES NOT WORK

Bulb burned out. Open wire or poor connection.

TESTING

SYSTEM TESTING

1) Check that all in-line fuses or circuit breakers are operational. Turn ignition and control switches to "ON" position. Check rear window glass temperature after a few minutes. Glass should feel warm to the touch.

2) If glass is not warm, use a test light or voltmeter to check for battery voltage at grid feed wire. If voltage is not correct, check wiring harness, control switch and timer/relay.

FILAMENT TESTING

1) To locate breaks in grid wire filaments, attach a voltmeter to middle portion of each filament. Attach other meter

DEFOGGER - REAR WINDOW

Article Text (p. 2)

1987 Volkswagen Quantum/Quantum Syncro

For Volkswagen Technical Site

Copyright © 1998 Mitchell Repair Information Company, LLC

Sunday, March 19, 2000 01:43AM

probe to vertical section of window grid.

2) If a grid is broken, meter will register zero volts or battery voltage, depending on if grid is broken between or outside test leads. If wire is unbroken, meter will register about one half of battery voltage. To locate break, move probe along wire until the meter needle moves abruptly.

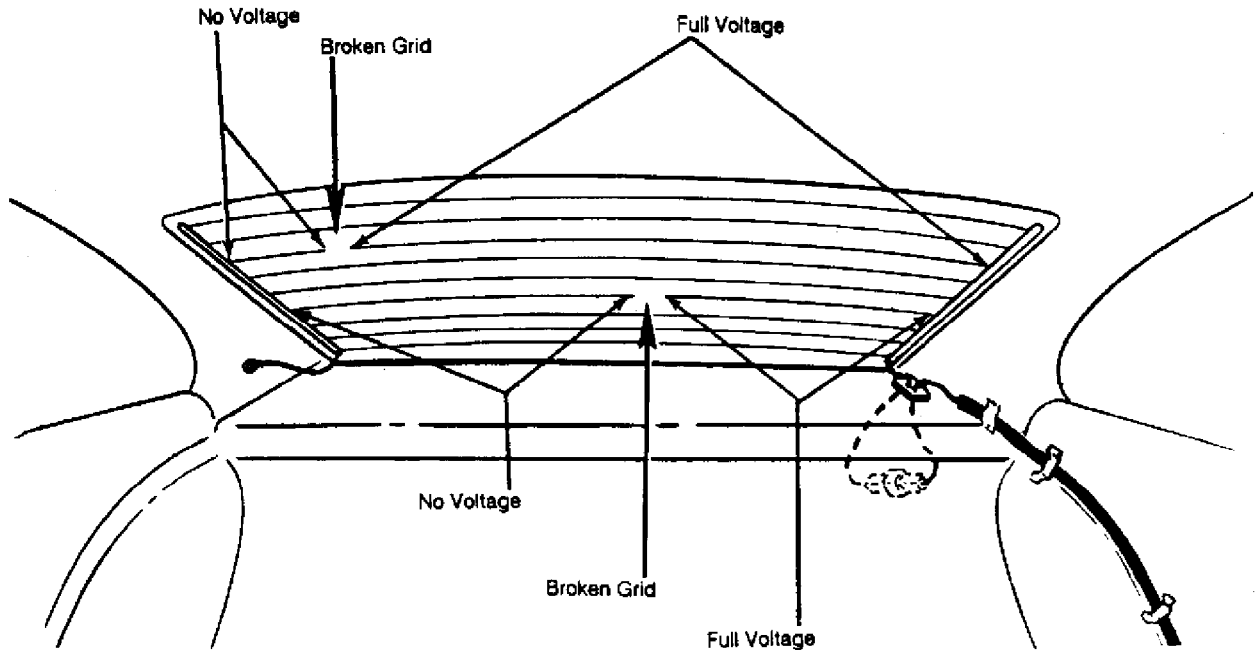


Fig. 1: Voltage Test for Broken Grid Filaments

END OF ARTICLE