

# Defoggers — Rear Window

## AMERICAN MOTORS WINDOW DEFOGGER GRID

**All Models**

**DESCRIPTION**

System components include a heating element grid on the rear window glass and a control switch which houses a pilot lamp and relay timer. The current feed wire is incorporated into the body wiring harness and is routed along the left side of the vehicle.

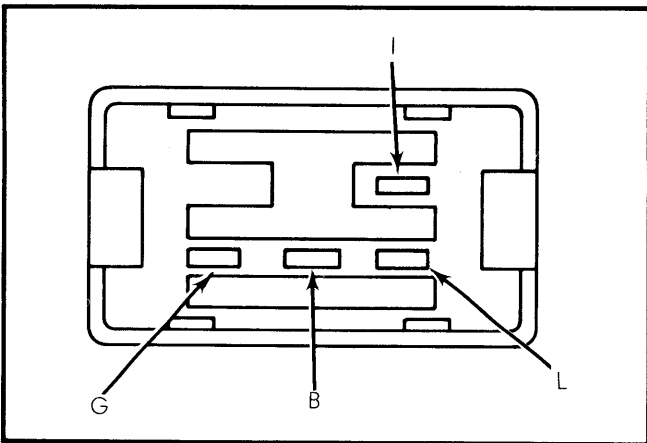
**OPERATION**

The defogger can only be operated with the ignition switch "ON". Operating the switch causes the relay contacts to close, supplying power to the grid. A light indicates operation of the defogger. The relay timer keeps the grid heated for 8 to 12 minutes or until the ignition is turned "OFF".

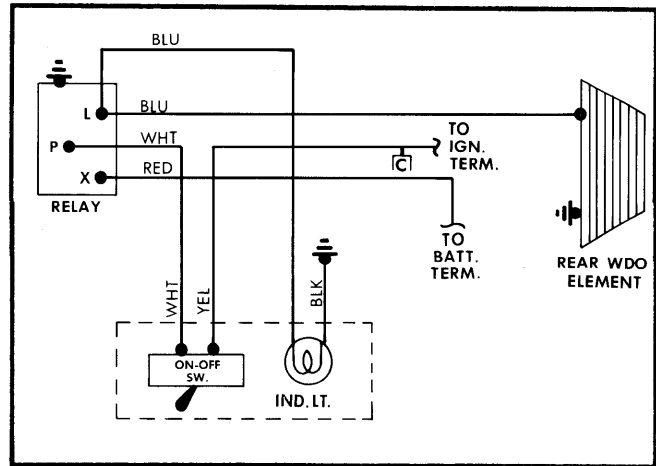
**TESTING**

**SYSTEM TEST**

Check for voltage at red wire on fuse panel. If red wire has battery voltage and fuse is good, turn ignition switch to "ON" position and check for current at the "I" and "B" terminals of the control switch. See Fig. 1. If no current, check circuits and repair as necessary. Check ground on wire from "G" terminal of the control switch. Check for current at "L" terminal of the control switch. If none, replace the switch.



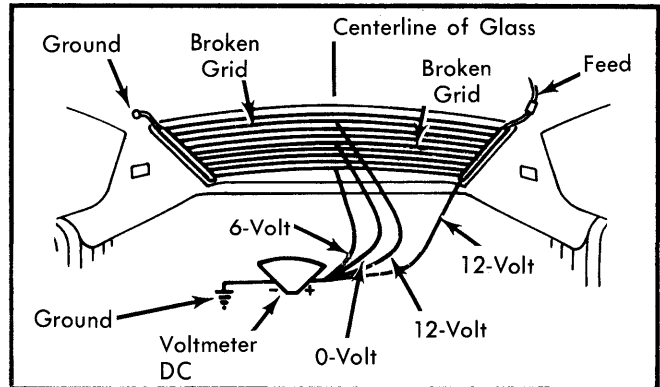
**Fig. 1 Control Switch Terminal Location**



**Fig. 2 American Motors Heated Rear Window Wiring Diagram**

**GRID**

Place positive lead of voltmeter on left side of grid and negative lead on right side. Battery voltage should be present with switch and ignition "ON". Test each grid wire with positive lead in the middle of grid and negative lead on the right side. About 6 volts should be present on each wire. No voltage indicates a broken grid wire. See Fig. 3.



**Fig. 3 Voltmeter Check of Rear Window Grid**