

DEFOGGER - REAR WINDOW

1991 Mitsubishi Montero

1991 ACCESSORIES & SAFETY EQUIPMENT

Chrysler Corp./Eagle/Mitsubishi Defoggers - Rear Window

Dodge; Colt, Colt Vista, Colt 200, Stealth
Eagle; Summit
Mitsubishi: Eclipse, Galant, Mirage, Montero, 3000GT
Plymouth; Colt, Colt Vista, Colt 200

DESCRIPTION & OPERATION

The rear window defogger is a heating wire grid bonded to the inside of the window. Heat is regulated by a control switch located on the instrument panel.

TROUBLE SHOOTING

DEFOGGER DOES NOT WORK

Check for blown fuse, poor contact, defective defogger switch, poor connection or open wire.

INDICATOR LIGHT DOES NOT WORK

Check for burned out bulb, open wire or poor connection.

TESTING

NOTE: Testing information for all components on all vehicles is not available from manufacturer.

DEFOGGER SWITCH TEST

NOTE: Remove window defogger switch and disconnect switch connector for the following test.

Colt, Colt 200, Mirage & Summit

Turn defogger switch to OFF position. Check switch continuity using ohmmeter. Continuity should be present between terminals No. 3 and 6. See Fig. 1. Turn defogger switch to ON position. Continuity should be present between terminals No. 1 and 5, 2 and 4, and 3 and 6.

Colt Vista

Turn defogger switch to OFF position. Check switch continuity using ohmmeter. Continuity should be present between terminals No. 3 and 6, and terminals No. 4 and 1. See Fig. 1. Turn defogger switch to ON position. Continuity should exist between terminals No. 5 and 2, 3 and 6, and 4 and 1.

Eclipse

Turn defogger switch to OFF position. Check switch continuity using ohmmeter. Continuity should be present between terminals No. 1 and 5, and terminals No. 2 and 6. Turn defogger switch to ON position. Continuity should be present between terminals No. 3 and 4, 1 and 5, and 2 and 6. See Fig. 1.

Galant

Turn defogger switch to OFF position. Check switch continuity

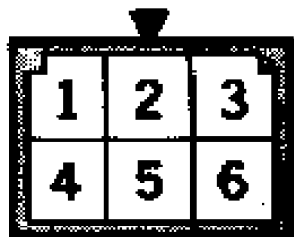
using ohmmeter. Continuity should be present between terminals No. 1 and 4, and terminals No. 5 and 6. Turn defogger switch to ON position. Continuity should exist between terminals No. 3 and 2, 5 and 6, and 1 and 4. See Fig. 1.

Montero

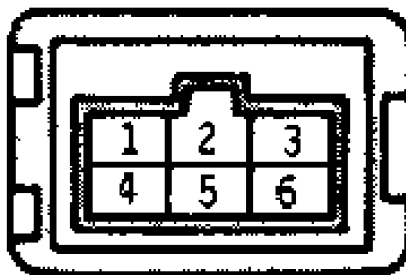
Turn defogger switch to OFF position. Check switch continuity using ohmmeter. Continuity should be present between terminals No. 5 and 6, and terminals No. 1 and 2. Turn defogger switch to ON position. Continuity should exist between terminals No. 3 and 4, 5 and 6, and 1 and 2. See Fig. 1.

Stealth & 3000GT

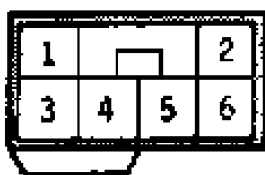
Remove defogger switch assembly from instrument cluster bezel. With defogger switch in OFF position, check switch continuity using ohmmeter. Continuity should exist between terminals No. 3 and 4. With defogger switch in ON position, continuity should exist between terminals No. 1 and 2, 1 and 6, and 3 and 4. See Fig. 1.



**COLT, COLT 200,
MIRAGE & SUMMIT**



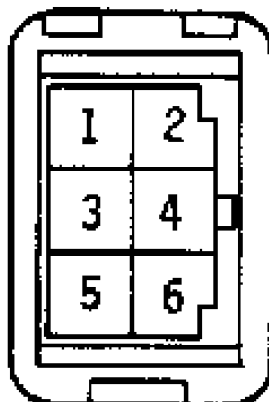
COLT VISTA



ECLIPSE & GALANT



STEALTH & 3000GT



MONTERO

Fig. 1: Identifying Defogger Switch Terminals
Courtesy of Chrysler Motors.

DEFOGGER RELAY TEST

Colt, Colt 200, Mirage & Summit

Remove defogger relay located to the right of fuse block. Ground relay terminal No. 4, and apply battery voltage to terminal No. 2. Check relay continuity using ohmmeter. Continuity should exist between terminals No. 1 and 3. With voltage disconnected, continuity should not be present between terminals No. 1 and 3. Ensure continuity is present between terminals No. 2 and 4. See Fig. 2.

Colt Vista, Eclipse, Stealth & 3000GT

Remove defogger relay located on left center of firewall. Ground relay terminal No. 4, and apply battery voltage to relay terminal No. 3. Check relay continuity using ohmmeter. Ensure continuity exists between terminals No. 1 and 2. With voltage disconnected, continuity should not exist between terminals No. 1 and 2. Continuity should exist between terminals No. 3 and 4. See Fig. 2.

Galant

Remove defogger relay located in right front corner of engine compartment. Ground relay terminal No. 1, and apply battery voltage to terminal No. 3. Check relay continuity using ohmmeter. Continuity should exist between terminals No. 4 and 5. See Fig. 2. With voltage disconnected, continuity should not exist between terminals No. 4 and 5. Ensure continuity exists between terminals No. 1 and 3. See Fig. 2.

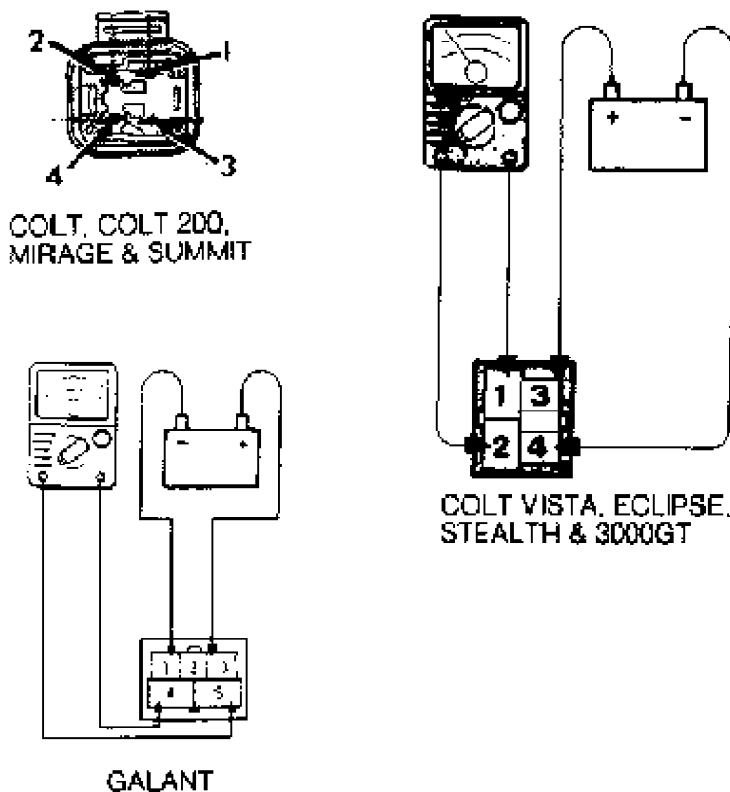


Fig. 2: Identifying Defogger Relay Terminals
Courtesy of Chrysler Motors.

DEFOGGER TIMER TEST

Colt, Colt 200, Mirage & Summit

Remove defogger timer from junction block under left side of instrument panel. Connect a battery and test light to defogger timer terminals. See Fig. 3. Apply battery voltage to terminal No. 7 for 5-7 seconds. Ensure test light illuminates for approximately 10 seconds. Reapply battery voltage to terminal No. 7. Test light should go off when voltage is applied again.

Colt Vista

With ignition switch in ON position, apply battery voltage to terminal No. 2 of defogger timer. Timer should operate for approximately 11 seconds then stop. See Fig. 3.

Eclipse & Galant

Remove defogger timer from interior relay block. Connect battery voltage and test light to timer. See Fig. 3. Ensure test light illuminates for approximately 11 seconds when battery voltage is applied to terminal No. 4. Reapply battery voltage to terminal No. 4 and observe test light. Test light should go off.

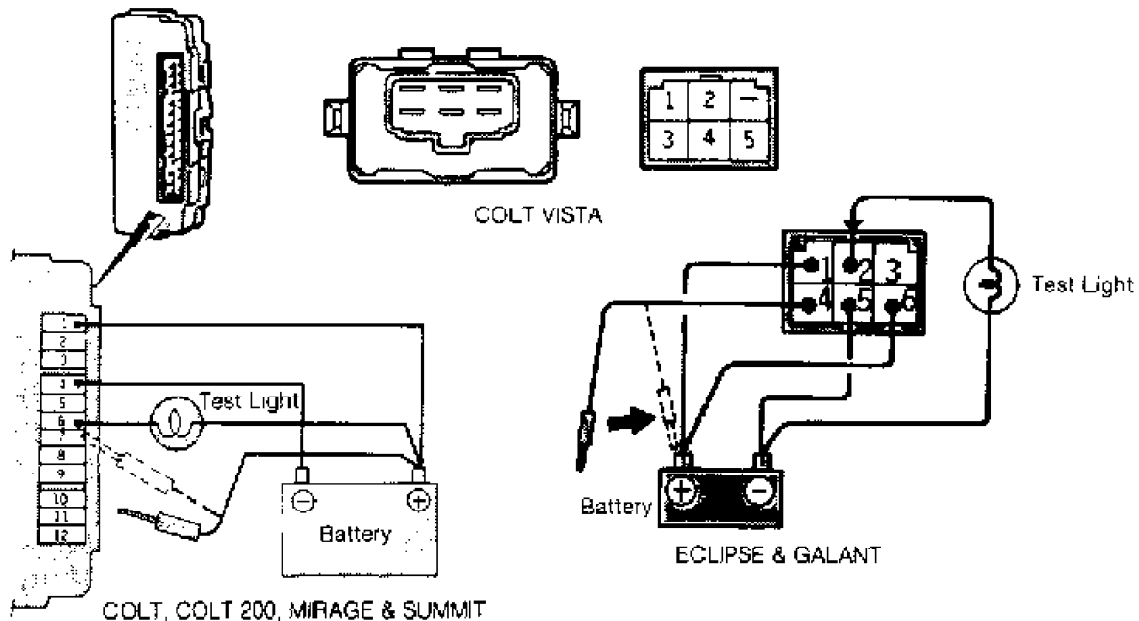


Fig. 3: Identifying Defogger Timer Terminals
Courtesy of Chrysler Motors.

GRID TEST

1) Start engine and operate at 2000 RPM. Ensure battery is fully charged. Turn defogger switch to ON position. Using a voltmeter, check voltage at center section of each grid wire. If voltage is approximately 6 volts, grid wire is okay. If voltage is approximately 12 volts, an open is present in the negative circuit. Move probe slowly toward the negative terminal to determine location of open circuit.

2) If voltage is zero volt, an open is present in the positive circuit. Move probe slowly toward the positive terminal to

determine location of open circuit.

WIRING DIAGRAMS

See appropriate chassis wiring diagram in the WIRING DIAGRAMS Section.