

# TECHNICAL BULLETIN



## Cooling Fans – Inoperative or Operate With Ignition Off – Reseal Ground Wires

**86-140**

MODEL Sedan Range 1992 – 1994 MY DATE 12/94  
VIN 667579 - 708757

### ISSUE:

Cooling fans that are inoperative or operate while the ignition is switched off can be the result of corrosion in the cooling fan control module. The corrosion is caused by water entering the ground wire cores and traveling inside the wire insulation to the module.

### ACTION:

After repairing Sedan Range vehicle fans that were inoperative or operated with the ignition off, seal the ground wire eyelet connectors to prevent further moisture from entering the cooling fan module. Use the following procedure.

**NOTE:** Ensure that the radio security code is available and record the preset radio stations (including X-mem) before disconnecting the battery ground cable.

### SEALING COOLING FAN GROUND WIRES

1. With the battery ground cable disconnected, disconnect the cruise control pump harness plug and the two ground eyelets on the left inner front fender panel (Illustration 1).

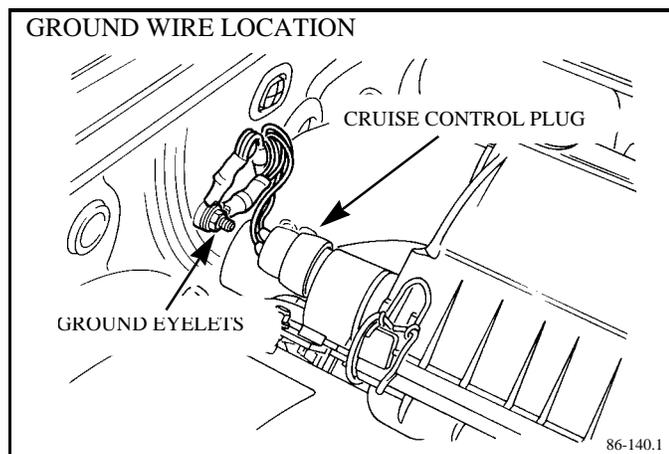


ILLUSTRATION 1

2. Spread the two ground eyelets apart. Thoroughly clean and degrease the eyelets and wires.

- Cut a heatshrink sleeve (part number JLM 12166) in half. Fit one piece over the first ground eyelet (Illustration 2).

**NOTE:** The heatshrink must fully cover the exposed end of the wire insulation at the eyelet to seal the wires from water.

- Shrink the sleeve using a heat gun. The adhesive in the sleeve must completely seal the end of the ground wires.

**Caution:** Protect the inner fender paint work and surrounding components from excessive heat.

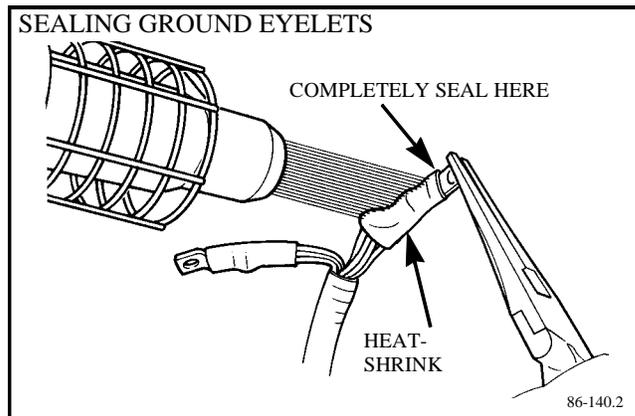


ILLUSTRATION 2

- Repeat the sealing procedure on the second ground eyelet.
- Clean both eyelets to assure good connections and apply multi purpose grease to the eyelets and the ground stud.
- Connect the cruise control pump harness plug and ground eyelets.
- Connect the battery, recode the radio, preprogram the radio stations, and reset the clock.

**PARTS INFORMATION:**

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Heat shrink sleeve	JLM 12166	1

**WARRANTY INFORMATION:**

<u>FAULT CODE</u>	<u>R.O. NUMBER</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWANCE</u>
LB GH CC	86.91.85	Left side harness - Fit heatshrink	0.20 hrs.