

Service Bulletin

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MAZDA

Category U	Applicable Model/s 1989-92 626	Subject INSPECTION & REPAIR PROCEDURE – AIR LEAK FROM THE HEATER SYSTEM	Bulletin No. 001/93
			Issued 3/8/93
			Revised

DESCRIPTION

When the heater system does not provide sufficient heat, air may be leaking around the sealing plate between the blower unit and the cooler unit or between the cooler unit and the heater unit, or air may be escaping through a grommet hole.

This bulletin outlines the procedures to effectively troubleshoot and repair the air leak condition.

INSPECTION AND REPAIR PROCEDURE

A. INSPECTING AIR LEAKAGE AROUND THE SEALING PLATE

1. Remove the glove box. If the vehicle is equipped with A/C, see **Figure 1**. If the vehicle has no A/C, refer to **Figure 2**.

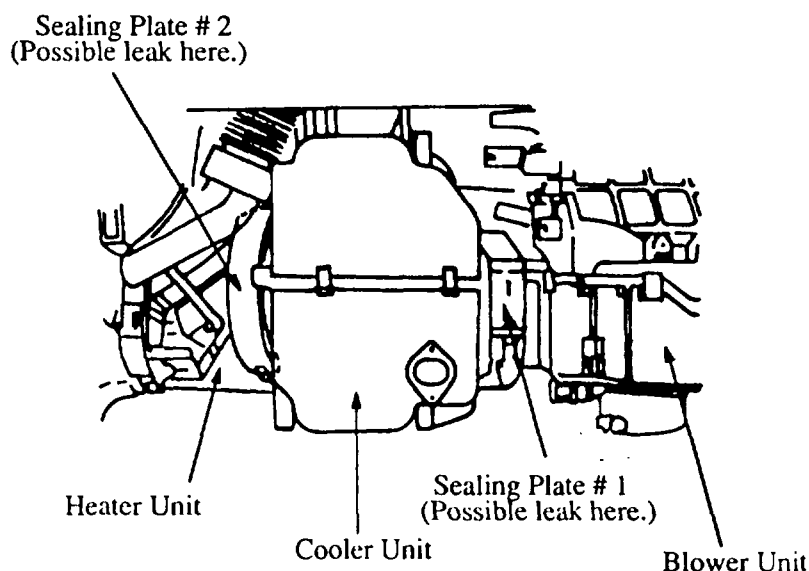


Figure 1: A/C System

IMPORTANT: Service and Parts Managers should read this bulletin carefully, sign and convey all information to those concerned.

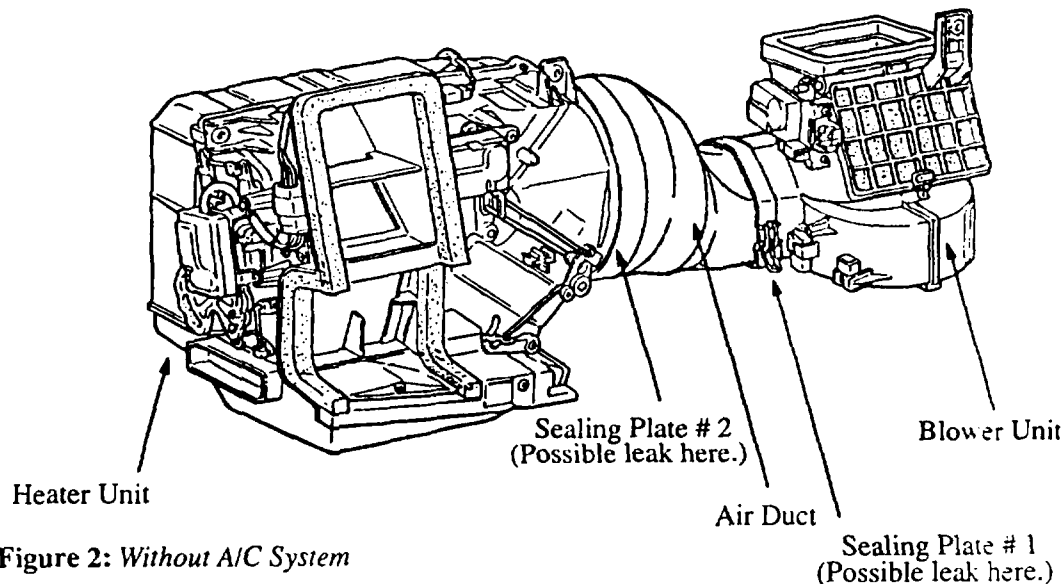
Signature _____

-----Service Manager

Signature _____

Parts Manager

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REPAIR PROCEDURE (CONT'D)**A. INSPECTING AIR LEAKAGE AROUND THE SEALING PLATE (Cont'd)****Figure 2: Without A/C System**

2. To test, set the heater control as follows:

Set the mode control switch to DEFROST.

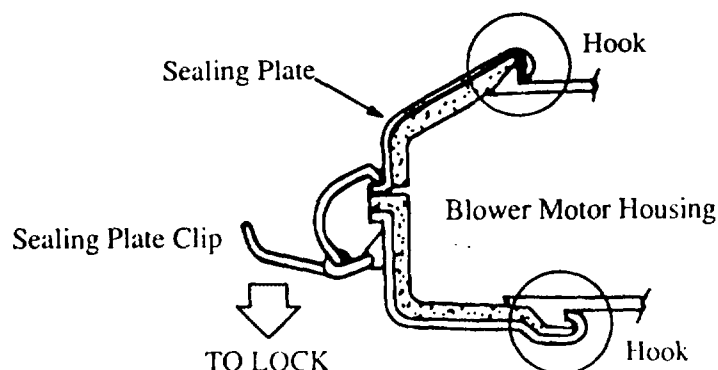
Set the Recycle/Fresh switch to FRESH.

Set the Fan Speed switch to MAXIMUM.

Inspect the sealing plates for air leaks. If a leak exists, proceed to the next Repair Procedure.

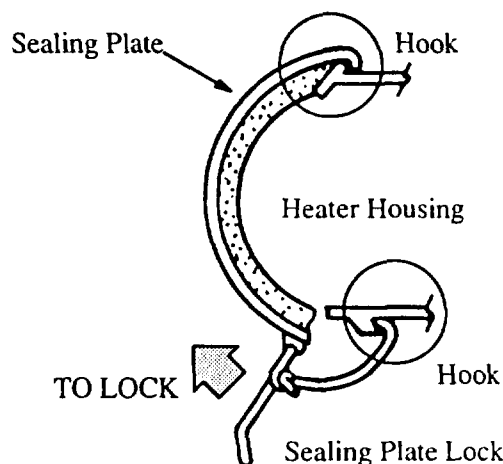
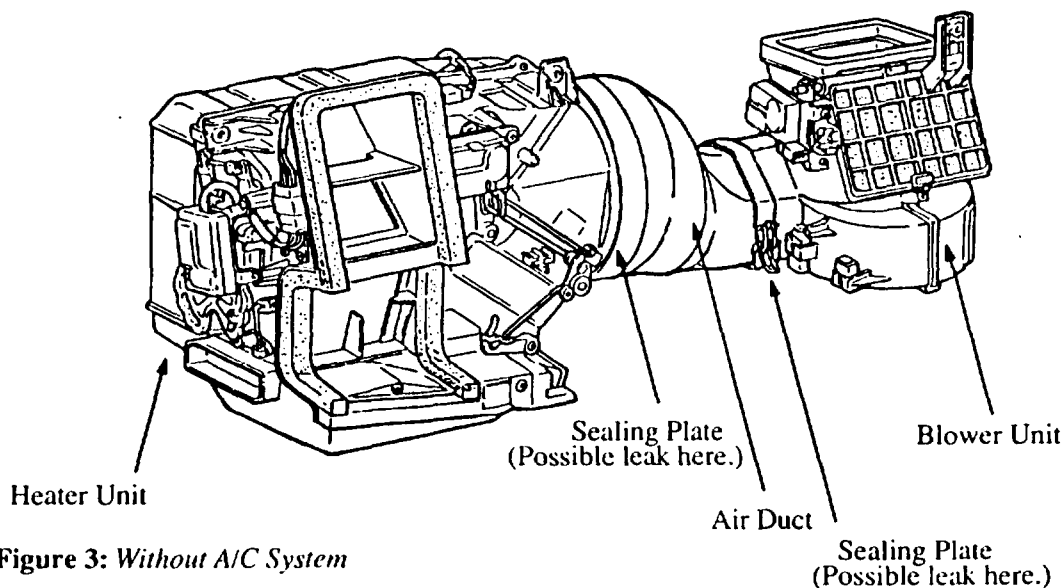
B. REPAIRING AIR LEAK BETWEEN BLOWER UNIT AND COOLER UNIT (W/ A/C)

1. Make sure the 2 hooks of the sealing plate # 1 (Figure 1) attach properly on the blower case. If not, adjust the hook and lock.
2. Make sure the sealing plate clip locks securely. If not, lock the clip.
3. Make sure the sealing plate is installed between the blower unit and cooling unit properly and securely locked. If not, readjust and relock securely.
4. Check that the air does not leak according to Procedure A. Then, install the glove box.

SEALING PLATE # 1 – CROSS-SECTION VIEW

REPAIR PROCEDURE (CONT'D)**C. REPAIRING AIR LEAK BETWEEN COOLER UNIT AND HEATER UNIT (W/ A/C)**

1. Make sure the 2 hooks of the sealing plate # 2 (Figure 1) attach properly on the heater housing. Inspect the upper hook closely because it is more difficult to attach. If necessary, readjust the hook and lock.
2. Make sure the sealing plate lock is securely fastened. If not, readjust.
3. Make sure the sealing plate is properly installed in between the cooler and heater units. If not, readjust and lock.
4. Check that the air does not leak according to Procedure A. Then, install the glove box.

SEALING PLATE # 2 – CROSS-SECTION VIEW**D. REPAIRING AIR LEAK – VEHICLES W/O A/C****Figure 3: Without A/C System**

1. Make sure the sealing plates between the blower unit and the air duct, and between the air duct and heater unit are installed properly. See procedures B and C. Check the sealing plates making sure that they are properly installed on the air duct.

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REPAIR PROCEDURE (CONT'D)

D. REPAIRING AIR LEAK – VEHICLES W/O A/C (Cont'd)

2. Check that the air does not leak according to Procedure A. Then, install the glove box.

NOTE: If the installation is correct, but air leaks because the shape of the sealing plate is distorted, replace the sealing plate with a new one.

E. AIR LEAK THROUGH THE GROMMET HOLE

Make sure that each firewall grommet is installed properly. If dislocated, apply soap water or spray lubricant to the grommet sleeve and reinstall. Check the A/C drain hose grommet, the vehicle harness grommet and the speedometer cable grommet for proper installation.