

**HAZARD INTENSITY LEVELS**

1. **DANGER:** Failure to comply will result in severe personal injury or death and/or property damage.
2. **WARNING:** Failure to comply could result in severe personal injury or death and/or property damage.
3. **CAUTION:** Failure to comply could result in minor personal injury or death and/or property damage.

**Option CD1 - Vertical Louvers**
*Applies: Models F, FE, B & BE*

The vertical louver option packages include:

| Option CD1<br>Vertical Louvers | 25-50 |              | 75  |              | 100 |              | 125 |               | 130 |              | 165 |              | 200 |              | 250-300 |              | 400 |              |
|--------------------------------|-------|--------------|-----|--------------|-----|--------------|-----|---------------|-----|--------------|-----|--------------|-----|--------------|---------|--------------|-----|--------------|
|                                | Qty   | P/N          | Qty | P/N          | Qty | P/N          | Qty | P/N           | Qty | P/N          | Qty | P/N          | Qty | P/N          | Qty     | P/N          | Qty | P/N          |
| Option Package P/N             |       | <b>98500</b> |     | <b>98501</b> |     | <b>98502</b> |     | <b>136863</b> |     | <b>98503</b> |     | <b>98504</b> |     | <b>98505</b> |         | <b>98506</b> |     | <b>98507</b> |
| Top & Bottom Members           | 2     | 97852        | 2   | 97853        | 2   | 97854        | 2   | 97856         | 2   | 97854        | 2   | 97856        | 2   | 97856        | 2       | 97857        | 2   | 97858        |
| Vertical Louvers               | 4     | <b>95937</b> | 4   | <b>95937</b> | 4   | <b>95937</b> | 6   | <b>95937</b>  | 4   | 95938        | 6   | 95938        | 6   | 95938        | 8       | 95938        | 10  | 95938        |
| Screws                         | 12    | <b>11813</b> | 12  | <b>11813</b> | 12  | <b>11813</b> | 16  | <b>11813</b>  | 12  | <b>11813</b> | 16  | <b>11813</b> | 16  | <b>11813</b> | 20      | <b>11813</b> | 28  | <b>11813</b> |

**IMPORTANT NOTE:** On fan models (Models F & FE), **do not** install vertical louvers in combination with Option CD3, Downturn Nozzle with 50°-90° Variable Air Deflection Range (formerly identified as a 60° nozzle).

**WARNING:** Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operation and maintenance instructions thoroughly before installing or servicing this equipment.

**Installation Instructions**

Installation should be done by a qualified agency in accordance with the instructions on this sheet and in compliance with all codes and requirements of authorities having jurisdiction.

Tools Required: 5/16" nut driver

**1. Assemble the louvers** - Assemble vertical louvers to the top and bottom members using the sheetmetal screws provided (See Figure 1 below).

- a. Vertical louver edges should extend beyond the front outer end of the louver top and bottom members.
- b. Stops are designed so that the right half of the louvers turn right and the left half of the louvers turn left.

**2. If the heater is installed, for your safety, turn off the gas and the electrical power before installing the assembled vertical louvers.**

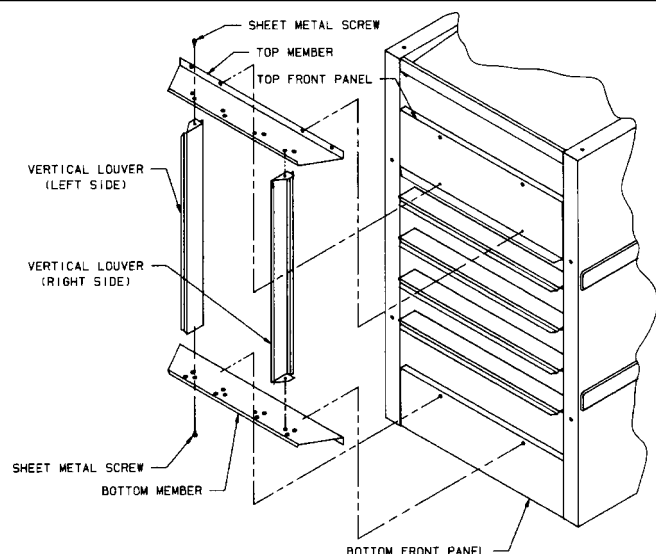
**3. Prepare Heater Front Panels (Top & Bottom)** - Holes required in the top and bottom front panels are punched at the factory. The holes in the bottom front panel have screws inserted. Remove the factory-installed screws from the bottom panel (save the screws to use in attaching the louver assembly).

**4. Install the Louver Assembly** - Using the sheetmetal screws, attach the top member of the vertical louver assembly to the top front panel of the heater and the bottom member of the vertical louver assembly to the bottom front panel.

**5. Adjust the horizontal & vertical louvers** to provide the desired air direction. See **CAUTION** below.

**6. Turn on the electric and the gas. Relight** by following the lightening instructions on the heater. Check for proper operation.

**Figure 1 - Installing Optional Vertical Louvers**



**CAUTION:** To avoid getting burned, adjust louvers while the heater is not in operation. If louvers are adjusted while heater is in operation, wear protective gloves.

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