



4-Way Louvers, Option CD3

Applies To: **Model LDAP**

Description

All Model LDAP heaters have louvers. By adding optional perpendicular louvers, the discharge air can be directed to provide a larger or smaller throw pattern.

Components

| Model LDAP | 400 | 800 | 1200 |
|--|-------------|-------------|-------------|
| Option Pkg P/N | 208091 | 208884 | 208885 |
| <i>Components</i> | | | |
| Louver | (7) 195578 | (14) 195578 | (21) 195578 |
| Louver Frame Support | (2) 207937 | (4) 207937 | (6) 207937 |
| Louver Frame Side | (2) 207936 | (4) 207936 | (6) 207936 |
| Screws, #8-18 x 3/8" long, AB point, slotted indented serrated hex washer head | (18) 195638 | (36) 195638 | (54) 195638 |
| Compression Springs | (7) 195046 | (14) 195046 | (21) 195046 |
| #8 x 1/2" long Teks (self-drilling screws) | (6) 195249 | (12) 195249 | (18) 195249 |

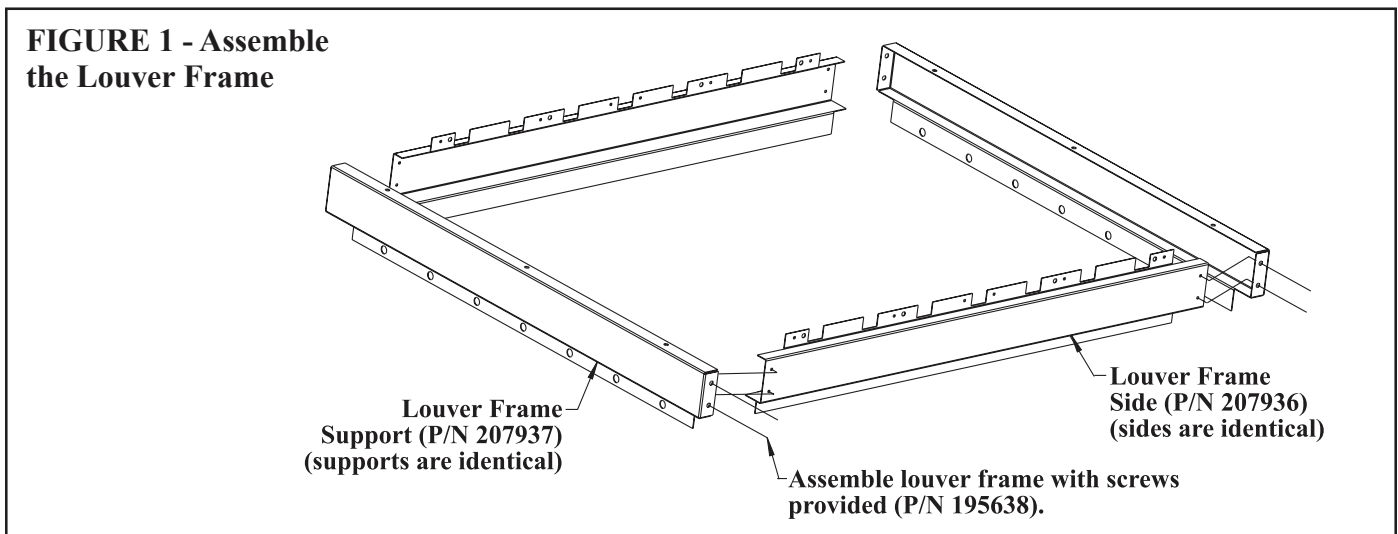
WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury or death. Read the installation, operation, and maintenance instructions thoroughly before installing or servicing this equipment.

Installation Instructions

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

1. Assemble the Louver Frame (See FIGURE 1.)

Using the 3/8" long screws in the kit, attach both sides to the supports.



2. If the heater is installed, for your safety, turn off the gas and the electrical power before installing the louver frame assembly.

3. Install the Assembled Louver Frame

Position the assembled louver frame in the heater outlet so that the holes in the tabs on the two sides are lined up with the holes in the heater. The tabs fit between the louvers already installed in the discharge opening. If

Installation Instructions (cont'd)

the louvers are not installed in the discharge opening, follow the instructions in the heater installation manual (or Step 4 below) and install them now.

Using the 3/8" screws (P/N 195638) from the kit, attach the louver frame tabs to the heater discharge opening.

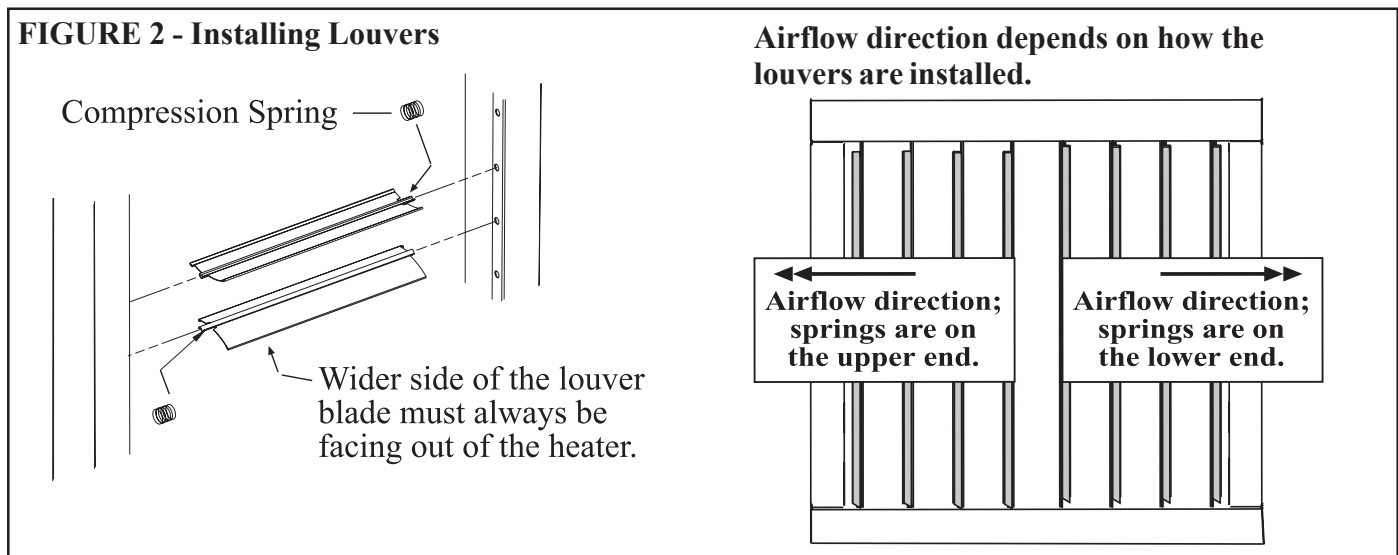
Use the 1/2" self-drilling screws (P/N 195249) to attach the other two sides of the louver frame to the heater outlet. Use the holes in the louver frame supports to locate the screws.

4. Install the Louvers in the Louver Frame Using the Compression Springs (See FIGURE 2.)

Before actually installing the louvers, note the louver curve and determine how the louvers should be positioned to provide the optimal throw pattern. Depending on the desired airflow pattern, louvers may be installed with the curve all the same direction (either way) or the right half one way and the left the other as illustrated in FIGURE 2.

Instructions:

- With the wider section facing out of the heater**, place one of the compression springs over the tab on the notched end of the louver.
- The end with the spring can go in either direction depending on the throw pattern. See FIGURE 2. Slide the tab with the spring into one of the holes in the frame. Push the louver, compressing the spring enough to place the tab on the other end into the corresponding hole on the other side of the frame.
- Continue installing until all louvers are in place.



- Adjust the louvers to provide the desired throw pattern.

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

- Turn on the electric and the gas. Light by following the lighting instructions on the heater. Check for proper operation.

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