

RECESSED COVER INSTALLATION 8500 SERIES FURNACES

These installation instructions cover units to be modified for use in behind door or enclosures type installations. They must be removable for servicing. These units allow for an installation that shows only the intake and exhaust portion of the furnace viewed from the exterior of the coach.

These instructions must be followed to prevent products of combustion (flue gas) from entering the coach and to prevent water damage.

WARNING!

IF THESE INSTRUCTIONS ARE NOT FOLLOWED PRODUCTS OF COMBUSTION (CARBON MONOXIDE) CAN ENTER THE COACH AND CAUSE INJURY OR DEATH TO OCCUPANTS.

NOTE! All return air being supplied to the furnace (56 square inches minimum) should be taken from the interior of the coach as to not reduce the unit's ability to heat the coach.

Areas to be sealed:

1. Coach access door butting against the furnace pan cover. See Figure #2
2. Bottom edge of cut out section in metal pan cover. See Figure #5
3. Draft cap assemblies to be maintained tight against the coach outside compartment doors where intake screens will be mounted.
4. DO NOT PULL DRAFT CAP ASSEMBLY TOTALLY OUT OF ELEMENT WHEN INSTALLED.

Draft Cap Assembly must overlap 1.25 inches inside element. See Figure #2.

STEP ONE FIGURE #1

Remove (4) of the six tabs located on the control box. Leave the two center tabs for mounting the door. Bend the two center tabs towards to inside of the control box area so they are 90 degrees. Tabs must be bent as close to the control box as possible to maintain a good seal. Install two fastening clips provide.

STEP TWO FIGURE #2

Install furnace into coach locating the unit as close to the outer compartment door as possible. This area must maintain a pressure seal against the gasket on the screen. This seal is used to maintain flue products and water leakage from entering the interior of the coach.

STEP THREE FIGURE #3

Connect the gas line to right side of the furnace. Tighten gas fitting using two wrenches. Attach electrical wiring to left side of furnace by attaching the red wire to the positive connection and the yellow wire to the negative. Attach the two blue wires to the thermostat wires.

STEP FOUR FIGURE #4

Secure the furnace to coach floor with four screws to maintain proper location of the unit to the opening in the outside compartment door. CAUTION USE CARE IN LOCATING THESE SCREWS TO AVOID DAMAGING ANY OF THE WORKING COMPONENTS.

STEP FIVE FIGURE #5

Place recess cover over top of furnace, making sure all edges of door are outside of control box. Hold firmly into place why using the holes in the door to locate the mounting tabs and clips. Using a #8 or #10 sheet metal screw, fasten door into place.

