

ACCESSORY KIT INSTALLATION MANUAL

3500-8941/B DOWNFLOW COIL SHELF AND CONDENSATE TRAP PACKAGE

USE WITH MODELS: EB**C SERIES ELECTRIC FURNACES ONLY

IMPORTANT - These instructions are intended for the use by qualified service technician specially trained and experienced in installation of this type of equipment and related system components.

Installation and service personnel are required by some states to be licensed.

Persons not qualified shall not install this equipment or interpret these instructions.

WARNING

Improper installation or service may damage equipment, can create a hazard and will void the warranty.

The use of other components not tested in combination with these units may make the equipment in violation of state codes, may create a hazard and may ruin the equipment. In addition, the National Mobile Home Construction and Safety Standards Act and its regulations require the use of components tested or certified by a nationally recognized testing laboratory in all manufactured homes constructed or sold subject to that act.

Carefully follow all instructions and warnings in this booklet to avoid damage to the equipment, personal injury or fire.

NOTE: The words "Shall" or "Must" indicate a requirement which is essential to satisfactory and safe product performance.

The words "Should" or "May" indicate a recommendation or advice which is not essential and not required but which may be useful or helpful.

APPLICATION

The 3500-8941/B Coil Shelf Package is designed for use on the EB**C series electric furnaces for manufactured homes. (For EB**B series electric furnaces and all earlier electric furnaces manufactured before XX/07, DO NOT use this kit. Use Kit # 3500-8941 with casing insulation). This package is required when an air conditioning or heat pump with an indoor coil is added to the electric furnace in the downflow configuration.

NOTE: Use this coil shelf only in conjunction with Indoor Coils from a manufacturer which incorporate an auxiliary overflow tube on the drain pan.

This package contains the following parts:

- | | |
|-------------------------|-----------------------------------|
| 1 - Coil Shelf | 1 - Wire Tie |
| 1 - Installation Manual | 20 - Sheet Metal Screws |
| 1 - Drain Tube | 2 - Hose Clamps |
| 1 - Condensate Trap | 2 - Coil Shelf Panels (Insulated) |

INSTALLATION OF COIL SUPPORT

WARNING

SHOCK HAZARD - Be sure to turn the electric power "OFF" at the main electrical service entrance box, and lock it to prevent the possibility of personal injury or damage to the equipment.

1. Remove furnace door.
2. Turn circuit breakers to "OFF".

Place coil support in casing with coil support flange up. Be sure to note that there are two sets of pre-punched holes in casing sides. Use upper set of holes for mounting coil shelf. Secure coil shelf to casing sides with screws provided. See Figure 2. Holes in the back of the coil shelf are optional.

If our "Standard" or "Deluxe" Blend Air Control box is mounted on the blower, follow the blend air instructions below:

Blend Air Instructions

If our "Standard" or "Deluxe" Blend Air systems are installed on this furnace then you should have a Blend Air Control Box mounted on the furnace blower. See Figure 1.

Disconnect the thermostat wires, remove the control box from the blower and install it on the right coil shelf panel using the same screws. Pierce a small hole through the bushing in the insulation of the coil shelf panel to route the thermostat wires. See Figure 1. Reconnect the wiring of thermostat wires in the blower compartment. Proceed with the coil shelf panel installation.

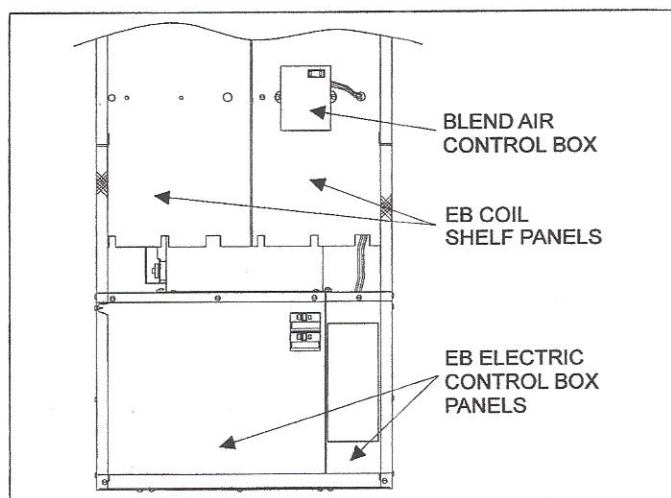


FIGURE 1

Coil Shelf Panel Installation

Loosen the screws on the two EB electric control box panels in the furnace. See Figure 4. Place the slotted ends of the two coil shelf panels (provided) on the loosened screws behind the control box panels. See Figure 4. Line up the holes in the coil shelf panels with the holes in the coil shelf and secure with the screws provided. See Figure 2 & 3. Make sure that the insulated sides of the panels are towards the blower compartment.

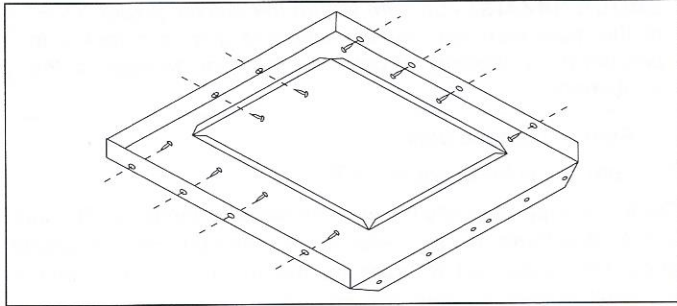


FIGURE 2

The A/C evaporator coil or indoor heat pump coil can now be installed according to the instructions packed with the coil.

INSTALLATION OF CONDENSATE LINE

1. Install condensate drain pieces provided in this insulation and coil shelf package as shown in Figure 5.
2. Refer to A-Coil installation instructions for more information regarding drain line connections.

WARNING

Failure to install condensate trap can result in damage to equipment and/or personal injury.

CAUTION

All areas around the line sets, drain hoses and other openings in the furnace should be sealed air tight. Use some moldable compound or caulking to seal the area. Failure to do so may result in loss of performance and premature compressor failure.

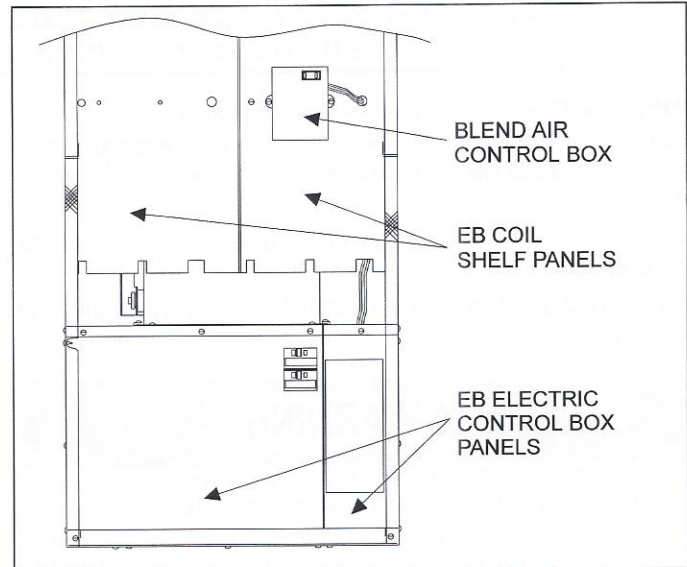


FIGURE 3

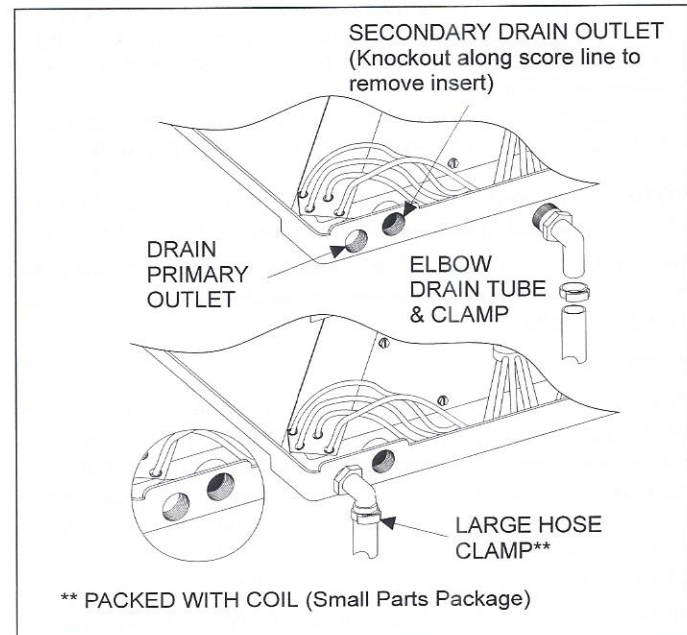


FIGURE 4