

Supplemental Installation Instructions

UPFLOW APPLICATIONS WITH CONDENSATE TRAP LOCATED ON RIGHT HAND SIDE

Form II350M-40-3
Supplement to: II350M-40-1 & -2
II355M-40-1 & -2
12-22-93

NOTE: To reduce possible drain problems, the condensate trap should be located on the left side of upflow furnaces.

When the condensate trap must be located on the right side, add the factory supplied "tee" in the collector box drain tube (blue) as shown in Fig. I, and following this procedure.

1. Follow the furnace's Installation and Start-Up Instruction or Installation Hang Tag (shipped on the furnace combustion box cover), for attaching the inducer drain tube (violet) and the relief port tube (green).
2. Install the collector box drain tube (blue) per the following:
 - a. Cut straight section of collector box tube (blue) approximately 1 inch from the UPPER corrugated connection.
 - b. Locate the 1/2" x 1/2" x 1/2" nominal (5/8" actual O.D.) plastic insert tee (field supplied) in the factory supplied clamp, located near the right side condensate trap.
 - c. Determine the proper collector box drain tube length (from the LOWER collector box drain connection) to attach to the tee.
 - d. Cut drain tube and connect to tee using factory supplied tube clamp located on tube.
 - f. Connect UPPER collector box drain tube, see step a, to tee as shown in Fig. I, using factory supplied tube clamp located on tube.
 - g. Cut excess collector box drain tube to proper length, connecting condensate trap to tee.
 - h. Connect tube using two field supplied tube clamps.
3. Ensure the condensate trap is **PRIMED**. See the Installation and Start-Up Instructions for priming. The two sides of the trap can only be primed by pouring water into the inducer drain tube.

The following items should be checked to ensure draining will perform properly.

⚠ WARNING: Tee must be located in blower shelf clamp as shown to ensure proper operation of door switch. Clamp must be located toward heat exchanger cell panel. Failure to route the tee and tube through clamp may interfere with blower access panel door switch operation. Failure to follow this warning could result in electrical shock, personal injury or death.

4. Ensure the furnace is within 1/2" level from left to right and slightly pitched forward.
5. Ensure there are NO traps or sags in the three condensate trap tubes.
6. The relief port tube (green) must be routed to the left of the inducer housing between the collector box drain tube (blue) and the pressure switch tube (pink). (See Fig. II)

NOTE: On wider casing furnaces, the relief port tube may be rerouted directly from the upper collector box connection to the condensate trap connection by removing the relief port tube from behind the inducer housing, as factory shipped.

NOTE: Blow through the relief port tube to ensure the collector box connection is OPEN.

NOTE: If drain problems have been encountered, make sure relief port tube is free of any traps, and NO water is inside of tube.

7. Ensure the two condensate trap tubes are laying flat on the blower shelf and the relief port tube is laying on the top and between the two drain tubes.
8. Ensure the condensate trap outlet/drain connection is vented/terminated into an open drain pipe as close to the furnace as possible. (A tee attached to the condensate trap outlet connection works best with a stand pipe for the A/C drain to terminate into loosely. (See Fig III.)

Form 58M-14SI
Supplement to: 58MXA-1SI & -2SI
58MVP-1SI & -2SI

FIGURE I: UPFLOW ORIENTATION WITH
CONDENSATE TRAP ON RIGHT SIDE

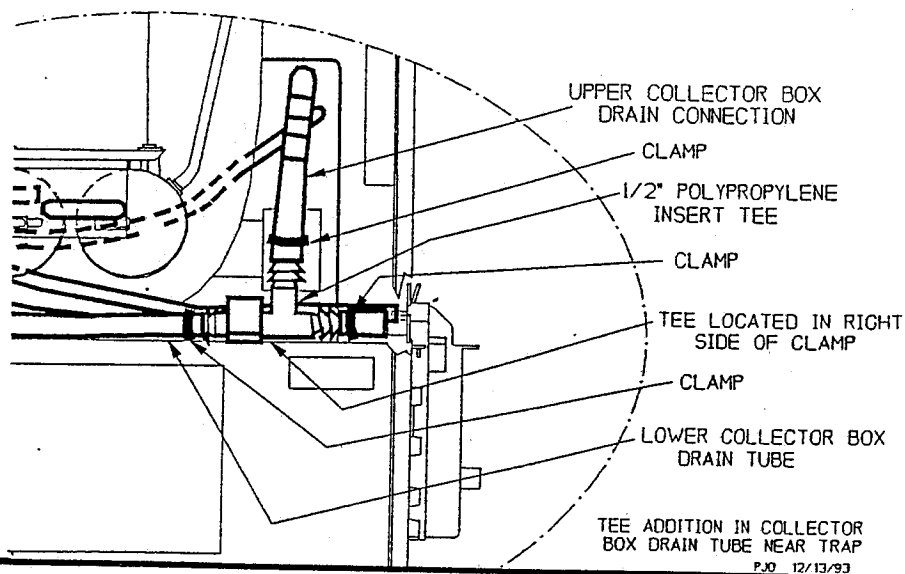


FIGURE II: RELIEF PORT TUBE RELOCATED

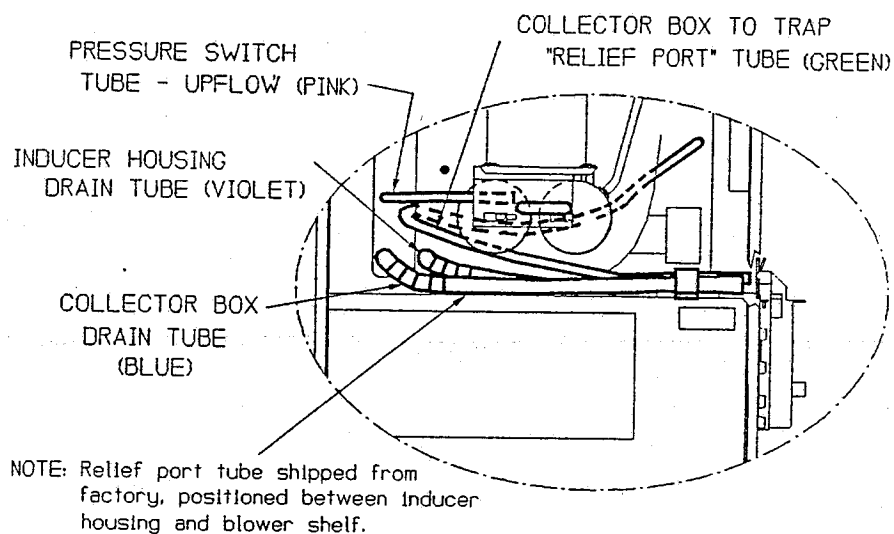


FIGURE III: CONDENSATE TRAP FIELD DRAIN
CONNECTION - RECOMMENDATION

