

504,360M  
10/2000

## SUPPLEMENT FOR CREATING BLOWOFF SHIELDS AND DUCT FLANGE FOR CH33 SERIES COILS (LEFT TO RIGHT DISCHARGE)

### Application

This supplement is instructions for field fabrication and installation of blowoff shields and a duct flange. Use this supplement with CH33 coils that are installed in the left to right hand discharge position.

The blowoff shields keep water from the coil inside of the drain pan. The blowoff shields also protects the duct work from water.

**Right-hand Air Discharge with Connection Duct - The coil must have a 3/4" slope from the rear of the cabinet to the drain.** The coil must be in the left to right configuration connection on the service access side of the furnace. The field-provided connection duct goes between the furnace and the coil. Field-provided screws secure the coil casing, connection duct, and the furnace together.

### Installation

#### Fabricating the Blowoff Shields

- 1 - Cut light gauge sheet metal into the dimensions shown in figure 1.
- 2 - The blowoff shield must have a 90° angle where it is bent. See figure 1.

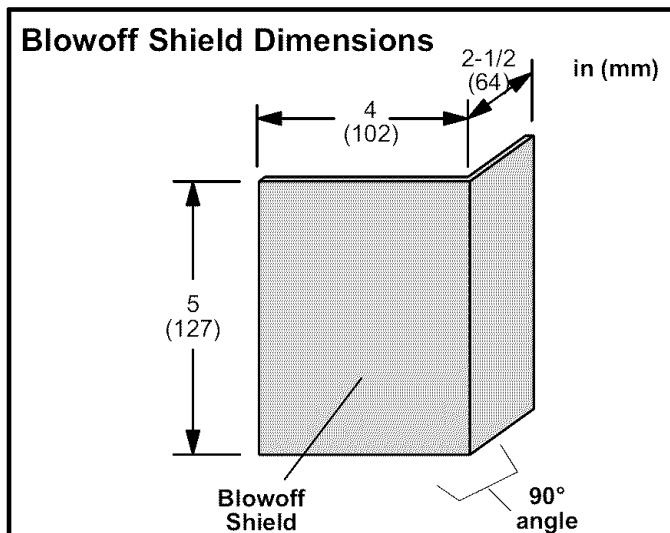


Figure 1

#### Installing the Blowoff Shields Inside the Coil Cabinet

- 1 - Insert the short end of the shields (2.5" 64 mm) into the space between the cabinet flange and the coil end covers. See figure 2.
- 2 - Force the shield down into the corner of the drain pan.
- 3 - Slope the coil cabinet toward the drain connection. The slope must be a minimum of 3/4" (19 mm) high. See figure 3.

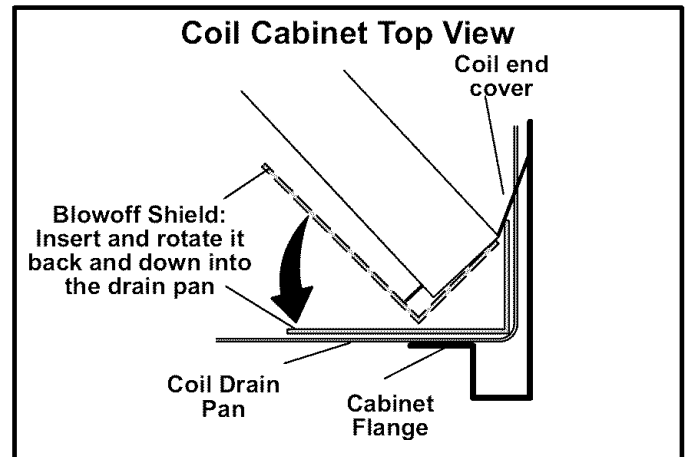


Figure 2

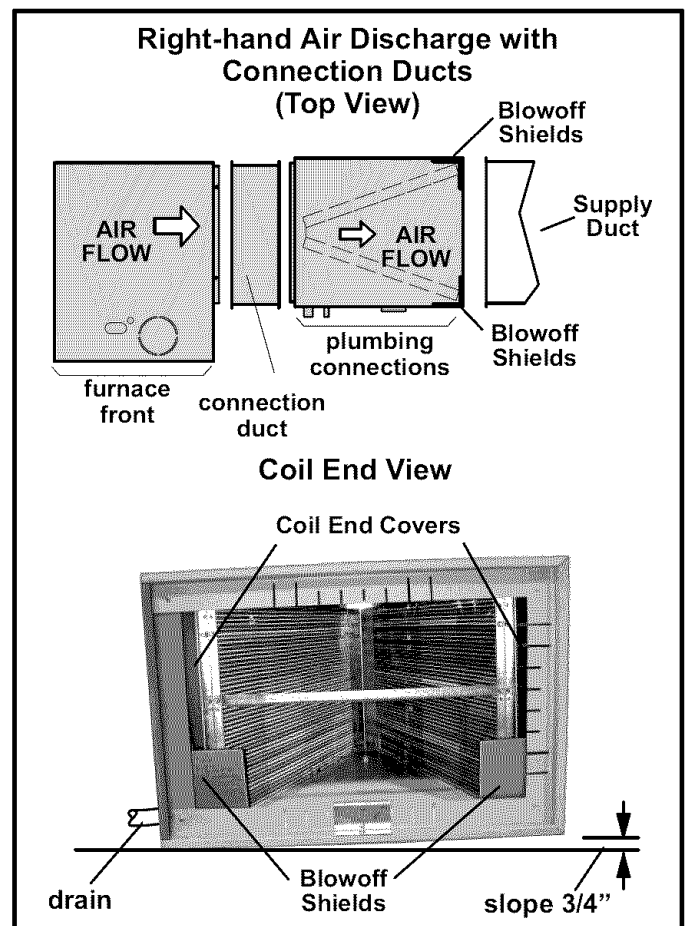


Figure 3



**Fabricating the Duct Flange**

- 1 - Cut and bend light gauge sheet metal into the dimensions shown in figure 4. The flange will be in the shape of a Z
- 2 - To make the flange will fit properly, you may have to cut notches as per the example in figure 4.

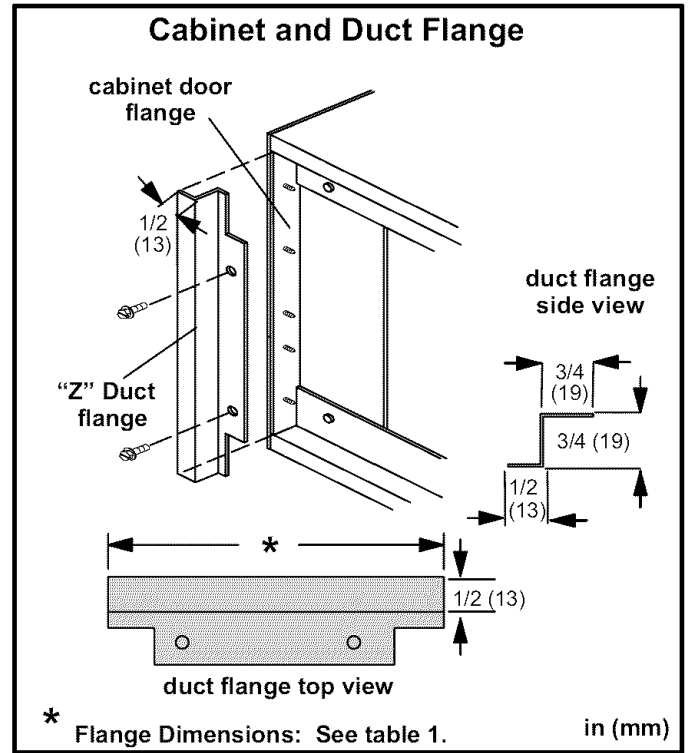
**Attaching the Duct Flange**

- 1 - Align the front edge of the Z-shaped duct flange with the cabinet flange. See figure 4.
- 2 - Fasten the Z-shaped flange to the cabinet flange with field provided #8 X 1/2" sheet metal screws.
- 3 - See table one for the correct size of the duct flange.

**Table 1  
Duct Flange Dimensions**

Coil Height	*Duct Flange Dimensions
A = 14.5	13 3/8" (340 mm)
B = 17.5	16 3/8" (416 mm)
C = 21.0	19 7/8" (505 mm)
D = 24.5	23 3/8" (594 mm)

Refer back to the coil installation instructions to finish installing the coil.



**FIGURE 4**