

# INSTRUCTIONS - UMLA/UMLVA DOWNFLOW FLOOR BASE FOR COMBUSTIBLE FLOOR INSTALLATIONS

Kit # 550003032

Installation shall be completed by qualified agency.

## ⚠ WARNING

Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this instruction and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation is verified per Installation, Operation & Maintenance Manual provided with boiler.

## ⚠ WARNING

Fire hazard. Maintain structural strength of floor. Floor shall be even and level. Minimum clearances to combustible materials as specified in furnace Installation, Operation and Maintenance Manual shall be maintained. Failure to follow these instructions could result in death or serious injury.

**Installation shall conform to requirements of authority having jurisdiction or in absence of such requirements:**

- Canada - CAN/CSA - B139, Installation Code for Oil-Burning Equipment.
- United States - National Electrical Code, NFPA31, Standard for the Installation of Oil-Burning Equipment.

### Kit 550003032 Contents

1	109009437	Downflow Floor Base
1	240011036	Instructions Sheet

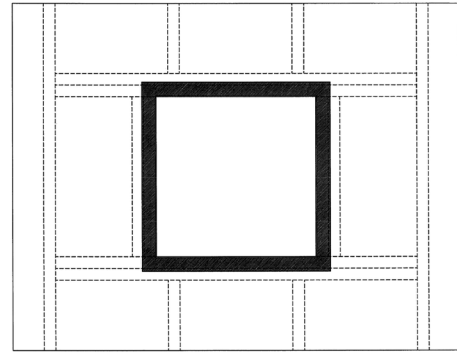
When UMLA/UMLVA furnace is installed in downflow configuration on a wooden floor, furnace may be mounted on this floor base to ensure appropriate clearances to combustible floor.

Downflow floor base provides a means of maintaining the supply air plenum clearance to combustible floor and means of mating supply air plenum to the furnace.

### Installation Instructions:

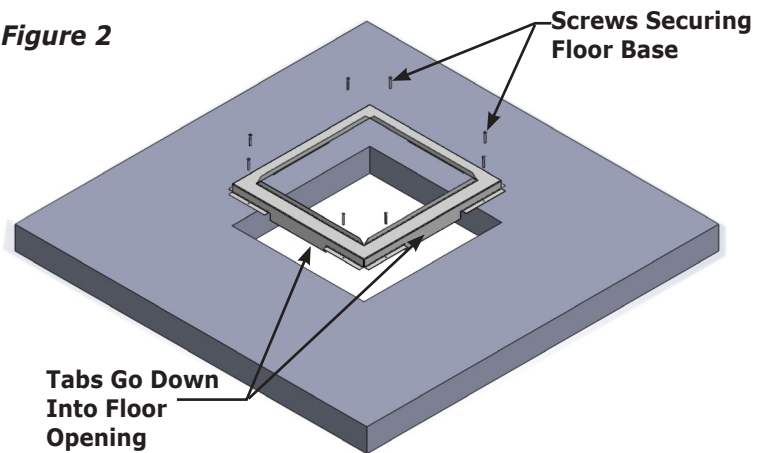
1. Provide rough opening of 22½" x 23½" for nominal 18" x 19" supply plenum.
2. If installing on wood floor over joists with 12" or 16" centers, framing modifications are necessary. Edges of the rough size opening must be well supported by the joist framing to take the weight of the furnace. Follow local building codes with respect to framing modifications. See Figure 1.

Figure 1



3. Insert downflow floor base in the floor opening with four (4) 9-1/2" wide tabs facing down. Tabs ensure 2" minimum clearance between combustible floor and supply air plenum. See Figure 2.

Figure 2



4. Fasten downflow floor base to floor with eight (8) #8 x 1½" wood screws, two on each side, through holes provided.
5. Downflow floor base will support the supply air plenum. Fold ¾" x 90° flange on all four sides at top of plenum (i.e. the plenum inlet) to support plenum and provide a seat for furnace/plenum connection.
6. Insert plenum into downflow floor base with folded plenum flange opening up. Flanges will rest on floor base.
7. Furnace is installed in downflow position on the plenum flange opening. Plenum is now locked in place between floor base and furnace. Ensure a good fit between furnace plenum attachment and plenum flange opening.
8. Seal furnace/plenum connection using appropriate industry approved methods to provide an airtight joint between furnace and supply air plenum.
9. Fasten downflow floor base, supply air plenum and furnace plenum attachment together with #8 x ¾" self drilling sheet metal screws.



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