

INSTALLATION INSTRUCTIONS

BOTTOM FILTER RACK

NAHB00501FF, NAHB00601FF, NAHB00701FF, NAHB00801FF

INTRODUCTION

These instructions cover the installation of bottom filter racks on an upflow, gas furnace. For use on 80% 33.3 inch (846mm) and 90%+ 35 inch (889mm) multipoise, gas furnaces.


NOTE: Read the entire instruction manual before starting the installation.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury, or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Have a fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes, the current editions of the National Fuel Gas Code (NFGC) NFPA 54/ANSI Z223.1 and the National Electrical Code (NEC) NFPA 70.

In Canada, refer to the current editions of the National Standards of Canada CAN/CGA-B149.1 and .2 Natural Gas and Propane Installation Codes, and Canadian Electrical Code CSA C22.1.

Recognize safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words **DANGER**, **WARNING**, and **CAUTION**. These words are used with the safety-alert symbol. **DANGER** identifies the most serious hazards which **will** result in severe personal injury or death. **WARNING** signifies hazards which **could** result in personal injury or death. **CAUTION** is used to identify unsafe practices which **may** result in minor personal injury or product and property damage. **NOTE** is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.



WARNING

FIRE, EXPLOSION, ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury, death and/or property damage.

The ability to properly perform maintenance on this equipment requires certain knowledge, mechanical skills, tools, and equipment. If you do not possess these, do not attempt to perform any maintenance on this equipment other than those procedures recommended in the User's Manual.



WARNING

FIRE, EXPLOSION, ELECTRICAL SHOCK AND CARBON MONOXIDE POISONING HAZARD

Failure to follow instructions could result in personal injury, death or property damage.

Improper installation, adjustment, alteration, service, maintenance, or use can cause carbon monoxide poisoning, explosion, fire, electrical shock, or other conditions, which could result in personal injury or death. Consult your distributor or branch for information or assistance. The qualified installer or agency must use only factory-authorized kits or accessories when servicing this product.



WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before installing, modifying, or servicing system, main electrical disconnect switch must be in the OFF position and install a lockout tag. There may be more than one electrical supply to the furnace. Check accessories and cooling unit for additional electrical supplies that must be shut off during furnace servicing. Lockout and tag switch with a suitable warning label. Verify proper operation after servicing.

DESCRIPTION AND USAGE

This filter rack is designed for use with multipoise gas furnaces to provide bottom inlet of return air. The filter rack comes with a washable filter which can be easily removed as shown in **Figure 2**.

INSTALLATION

NOTE TO INSTALLERS: This rack was designed to be installed in two different ways:

- Mount rack to platform and slide furnace onto rack or
- Mount rack directly to furnace.

NOTE: It is recommended for mounting rack directly to furnace, that the installer line up filter rack on bottom of furnace and pre-drill holes in the bottom flange of furnace.

- Take filter out of filter rack.
- Put furnace on its back.
- Remove two (2) screws from bottom plate and remove plate.
- Remove bottom closure panel.
- Put bottom plate back on.
- Slide extended flanges on back and sides of rack over furnace casing. Rack should be installed flush with back.



CAUTION

CUT HAZARD

Failure to follow this caution may result in personal injury. Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate clothing, safety glasses and gloves when handling parts and servicing furnaces.



WARNING

FIRE AND EXPLOSION HAZARD

Failure to follow this warning could result in personal injury or death. Turn off gas and electrical supplies to unit and install lock out tag before beginning any installation or modification. Follow operating instructions on label attached to furnace.

Table 1	Dimensional Drawing – inch (mm)		
KIT NO.	FURNACE WIDTH	A	B
NAHB00501FF	14–3/16 (360.4)	11–3/8 (289)	14–1/4 (362)
NAHB00601FF	17–1/2 (444.5)	14–5/8 (371.5)	17–5/8 (447.7)
NAHB00701FF	21 (533.4)	18–1/8 (460.4)	21–1/8 (536.6)
NAHB00801FF	24–1/2 (622.3)	21–5/8 (549.3)	24–5/8 (625.5)

