

# INSTALLATION INSTRUCTIONS STANDARD FILTER RACK FOR FAN COILS

NASA00101FR, NASA00201FR, NASA00301FR, NASA00401FR

## INTRODUCTION

These instructions cover the installation of filter racks on fan coils.

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

## SAFETY CONSIDERATIONS

Installing, starting up, and servicing air-conditioning equipment can be hazardous due to system pressures, electrical components, and equipment location (roofs, elevated structures, etc.).


Only trained, qualified installers and service mechanics should install, start-up, and service this equipment.

Untrained personnel can perform basic maintenance functions such as cleaning coils. All other operations should be performed by trained service personnel.

When working on the equipment, observe precautions in the literature and on tags, stickers, and labels attached to the equipment.

Follow all safety codes. Wear safety glasses and work gloves. Keep quenching cloth and fire extinguisher nearby when brazing. Use care in handling, rigging, and setting bulky equipment.

Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes and National Electrical Code (NEC) for special requirements. In Canada, refer to current editions of the Canadian Electrical Code, CSA 22.1.

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 these 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.



## 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 fan coil. Check accessories and cooling unit for additional electrical supplies that must be shut off during fan coil 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 fan coils installed in any orientation.

## INSTALLATION

**NOTE TO INSTALLERS:** This rack was designed to be installed in fan coil either prior to installation or into a unit already installed.

1. Remove the filter door at the return end of the fan coil.
2. Remove lower access panel from fan coil.
3. Remove the factory filter from the fan coil
4. Bend the L-shaped standard filter bracket from the kit to make the L less than 90 degrees. See **Figure 1**
5. Slide the bracket into the filter area of the fan coil until the bracket is all the way back and to the left of the cabinet.
6. Ensure the L bracket is firmly in place and tight against the left side and the back of the unit. No fasteners are needed to keep the bracket in place.
7. Insert a "standard sized" filter into the bracket. Accepts 12", 16", 20" or two 12" filters depending on the fan coil cabinet width. See **Table 1**
8. Replace lower access panel on fan coil.
9. Replace the filter door on the fan coil.



## 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 fan coil.

Figure 1

Filter Bracket

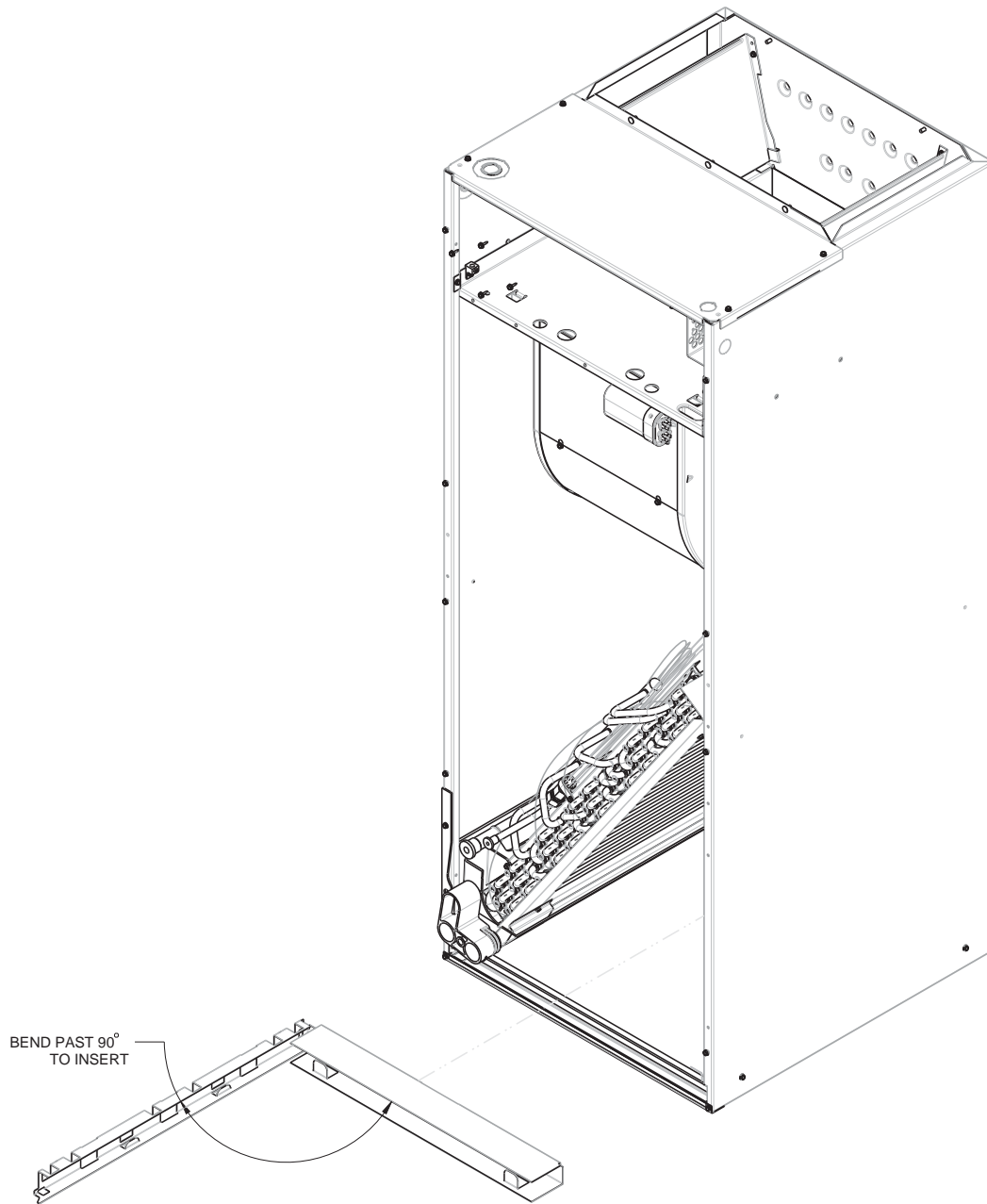


Table 1	Filter Kit Usage	
FILTER KIT	CABINET WIDTH USAGE	FITS STANDARD FILTER SIZE - in(mm)
NASA00101FR	14"	12 x 20 x 1 (305 x 508 x 25)
NASA00201FR	17"	16 x 20 x 1 (406 x 508 x 25)
NASA00301FR	21"	20 x 20 x 1 (508 x 508 x 25)
NASA00401FR	24"	12 x 20 x 1 (305 x 508 x 25) [qty 2]