

# Installation Instructions

**IMPORTANT:** Read and become familiar with all instructions before beginning installation.

## PACKAGE CONTENTS AND USAGE


ACCESSORY PART NO.	USAGE	CONTENTS
<b>CRGASSER005A00</b>	48PD05-06 48PG03-14	1 - 3/4-in. Gas Plate 1 - 3/4-in. x 1/2-in. Bushing 2 - No. 10 Screws
<b>CRGASSER006A00</b>	48PG16-28 48HG014-028 48HJ020-028 581A210-300	1 - 1-in. Gas Plate 2 - No. 10 Screws

## SAFETY CONSIDERATIONS

Installation and servicing of air-conditioning equipment can be hazardous due to system pressure and electrical components. Only trained and qualified service personnel should install, repair, or service air-conditioning equipment.

When working on equipment, observe precautions in the literature, tags and labels attached to the unit, and other safety precautions that may apply.

Follow all safety codes. Wear safety glasses and work gloves.

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 a hazard 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

### ELECTRICAL SHOCK, FIRE AND EXPLOSION HAZARD

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

Before performing service or maintenance operation on unit, turn off main power switch to unit. Shut off gas supply before shutting off main power. Tag gas shut off and power disconnect switch with a suitable warning label.

## GENERAL

Thru-the-curb gas service connection accessory packages reduce the number of penetrations in the roof. When the thru-the-curb gas accessory package is purchased, the gas adapter fitting allows the gas line to come through the side of the roof curb. A reducing bushing is provided with the CRGASSER005A00 accessory to change the size from 3/4-in. to 1/2-in. if needed.

## INSTALLATION

Make sure the roof curb is installed and leveled in accordance with its installation instructions.

The thru-the-curb gas service connection accessory package must be used with a roof curb that has a pre-cut opening in the curb and nailer. This opening allows the gas connections to pass through the roof curb. Refer to Table 1 for roof curbs that can be used with a thru-the-curb gas connection accessory package.

**Table 1 – Accessory Roof Curb Data**

PACKAGE NO.	DESCRIPTION	APPLICATION USAGE
<b>CRRFCURB020A00</b>	14-in. Roof Curb	2 to 6 Tons
<b>CRRFCURB032A00</b>	24-in. Roof Curb	
<b>CRRFCURB031A00</b>	14-in. Roof Curb	7-1/2 to 12-1/2 Tons
<b>CRRFCURB033A00</b>	24-in. Roof Curb	
<b>CRRFCURB034A00</b>	14-in. Roof Curb	15 Tons
<b>CRRFCURB035A00</b>	24-in. Roof Curb	
<b>CRRFCURB018C00</b>	14-in. Roof Curb	18 to 25 Tons
<b>CRRFCURB019C00</b>	24-in. Roof Curb	

## Prepare Unit for Installation

The accessory thru-the-curb gas service connection package must be installed before the unit is set on the roof curb. Gas connection can be made up to the connector, but gas and electrical connections to the unit must be field installed after the unit is installed on the roof curb.

## Install Gas Plate

The thru-the-curb gas service connection is installed on the roof curb using the 2 screws provided. (See Fig. 1.) If required for a 1/2-in. FTP gas line, install the bushing provided with the accessory.

## Install Gas Piping

Unit is equipped for use with type of gas shown on nameplate. Refer to local building codes, or in the absence of local codes, to the current version of NFPA 54/ANSI Z223.1 National Fuel Gas Code (NFGC). In Canada, installation must be in accordance with the CAN1.B149.1 and CAN1.B149.2 installation codes for gas appliances. For natural gas applications, gas pressure at unit gas connection must not be less than 5.0-in. wg or greater than 13.0-in. wg while unit is operating. For liquid propane and high heat applications, the gas pressure must not be less than 5.0-in. wg or greater than 13.0-in. wg at the unit connection.

Size gas supply piping for 0.5-in. wg maximum pressure drop. Do not use supply pipe smaller than unit gas connection.

Pipe the gas line to the gas valve connection. Be sure to include a union, drip leg, and manual shut off.

Support gas piping. See Fig. 2 for typical pipe guide and locations of external, manual gas shutoff valve. Once installed, leak check all gas fittings.

## Install the Unit on the Roof Curb

Follow all appropriate instructions required to install the rooftop unit on the roof curb. See installation instructions provided with the roof curb and unit for more specific information.

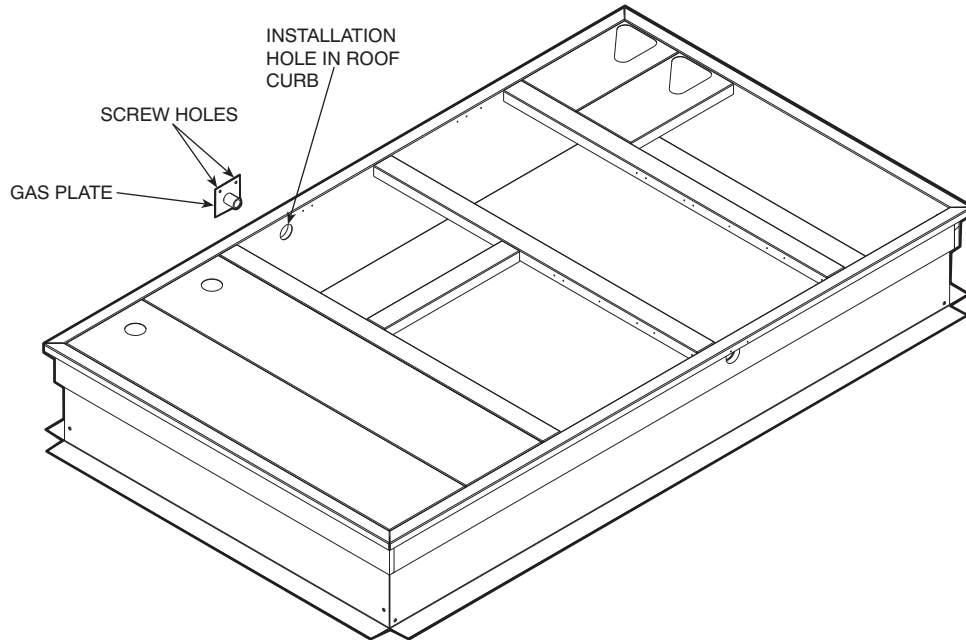


Fig. 1 - Gas Plate Installation (CRRFCURB031A00 Shown)

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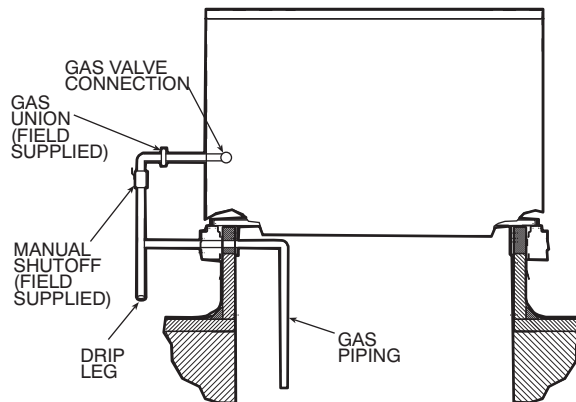


Fig. 2 - Thru-the-Curb Gas Service Connections

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