Installation Instructions

PART NO. CRFLUEDS001A00

IMPORTANT: Read these instructions completely before attempting to install this accessory.

PACKAGE CONTENTS

QTY	CONTENTS
1	Flue Stack
2	Mounting Brackets
6	10 -16 x 1 in. Self-Drilling Screws
1	Adapter Plate (Part no. 50HJ502222)
1	Adapter Plate (Part no. 50HJ502223)

MODEL USAGE

ACCESSORY PART NUMBER	USAGE
CRFLUEDS001A00	48FC*04-14
	48GC*04-12
	48HC*04-12
	48JC*04-06
	48KC*04-06
	48LC*04-07
	48TC*04-14
	582K*04-14
	581K*04-12
	581J*04-12
	582J*04-06
	580J*04-14
	RGV 036-150
	RGW 036-120
	RGH 036-120
	RGX 036-060
	RGS 036-150

NOTES:
1. This accessory can only be installed on units produced after January 1992.
2. Not all unit sizes may be available at this time.

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.

Untrained personnel can perform basic maintenance functions of cleaning coils and filters and replacing filters. All other operations should be performed by trained service personnel. When working on air-conditioning equipment, observe precautions in the literature, tags and labels attached to the unit, and other safety precautions that may apply.

Follow all safety codes, including ANSI (American National Standards Institute) Z223.1. Wear safety glasses and work gloves. Use quenching cloth for unbrazing operations. Have fire extinguisher available for all brazing operations.

It is important to 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, CAUTION, and NOTE. 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

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could cause personal injury or death.

Before performing service or maintenance operations on unit, always turn off main power switch to unit and install lock(s) and lockout tag(s). Unit may have more than one power switch.

⚠ WARNING

FIRE, EXPLOSION HAZARD

Failure to follow this warning could cause personal injury or death.

Before beginning any modification, close the main gas supply shutoff valve. Tag gas valve with suitable warning labels.

⚠ WARNING

FIRE, EXPLOSION HAZARD

Failure to follow this warning could cause personal injury or death.

Disconnect gas piping from unit when leak testing at pressure greater than 0.5 psig (3450 Pa). Pressures greater than 0.5 psig (3450 Pa) will cause gas valve damage resulting in hazardous condition. If gas valve is subjected to pressure greater than 0.5 psig (3450 Pa), it must be replaced before use. When pressure testing field-supplied gas piping at pressures of 0.5 psig (3450 Pa) or less, a unit connected to such piping must be isolated by closing the manual gas valve.

⚠ CAUTION

CUT HAZARD

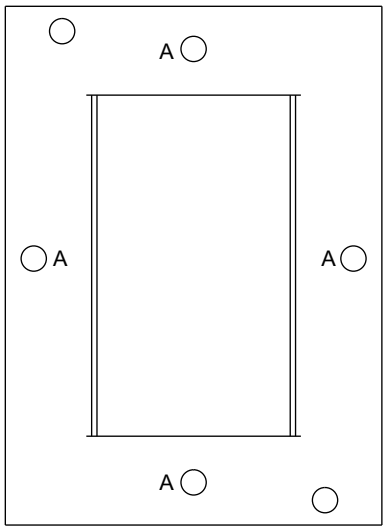
Failure to follow this caution may result in personal injury.

Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate protective clothing, safety glasses, and gloves when handling parts and servicing furnaces.

INSTALLATION

NOTE: These instructions apply to 3 to 12-1/2 ton units with R- 410A refrigerant only.

1. Remove first screw from bottom of center post on unit. Save screw for later use.
2. Small Chassis Units (length 74-3/8 in. [1888 mm])
   Install adapter plate (part no. 50HJ502223 — see Fig. 1) by sliding it over the existing flue duct. Secure the adapter plate using the screw removed by Step 1. Screw should be installed through hole in adapter plate.
   All Other Units
   Install adapter plate (part no. 50HJ502222 — see Fig. 1) by sliding it over the existing flue duct. Secure the adapter plate using the screw removed in Step 1. Screw should be installed through hole in adapter plate.
   NOTE: Part no. 50HJ502222 has larger diameter "A" holes than part no. 50HJ502223.
3. Attach mounting brackets to flue stack. See Fig. 2.
   Bracket A — Position as shown in Fig. 2. Remove fourth screw from top of flue stack and save. Fasten the bracket to the flue stack with screw that was just removed. The slotted portion of the bracket should be pointed away from the installer.
   Bracket B — Position as shown in Fig. 2. Remove top screw from the flue stack and save. Fasten the bracket to the flue stack with screw that was just removed. The slotted portion of the bracket should be pointed away from the installer.
4. Remove the two screws in the center post that are attached to the top cover. Remove the second screw from the bottom on the center post. Save all screws. See Fig. 3.
5. Mount the flue discharge deflector to unit by fastening the horizontal leg of the flue stack to the adapter plate using three supplied no. 10 self-drilling screws. Line up the slots in brackets A and B with the holes from the screws removed in Step 4. Reinstall screws from Step 4. (See Fig. 4.)



Part Number	Dia. "A"
50HJ502222	0.280 (7.11)
50HJ502223	0.154 (3.91)

NOTE: Dimensions are in inches. Dimensions in ( ) are in millimeters.

Fig. 1 — Adapter Plate—Diameter "A" Details

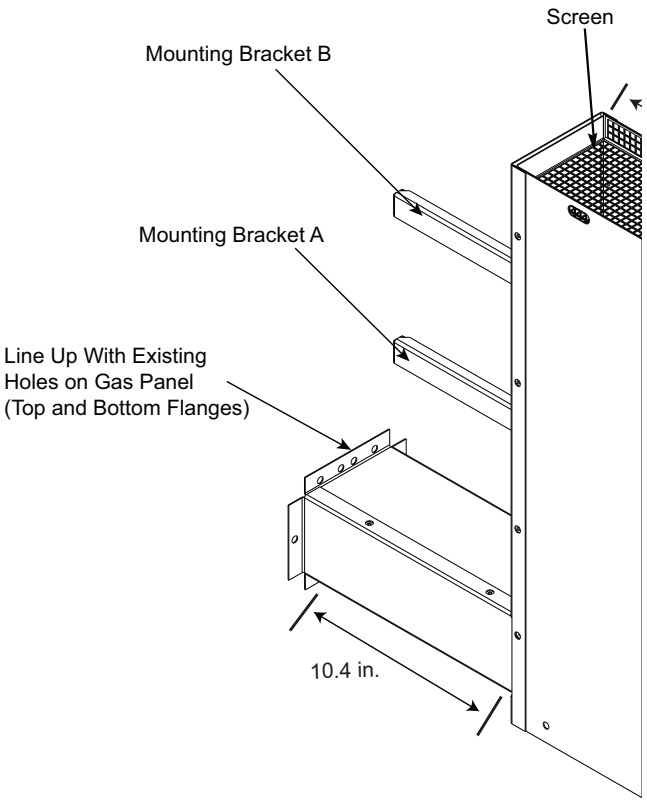


Fig. 2 — Flue Discharge Deflector Assembly

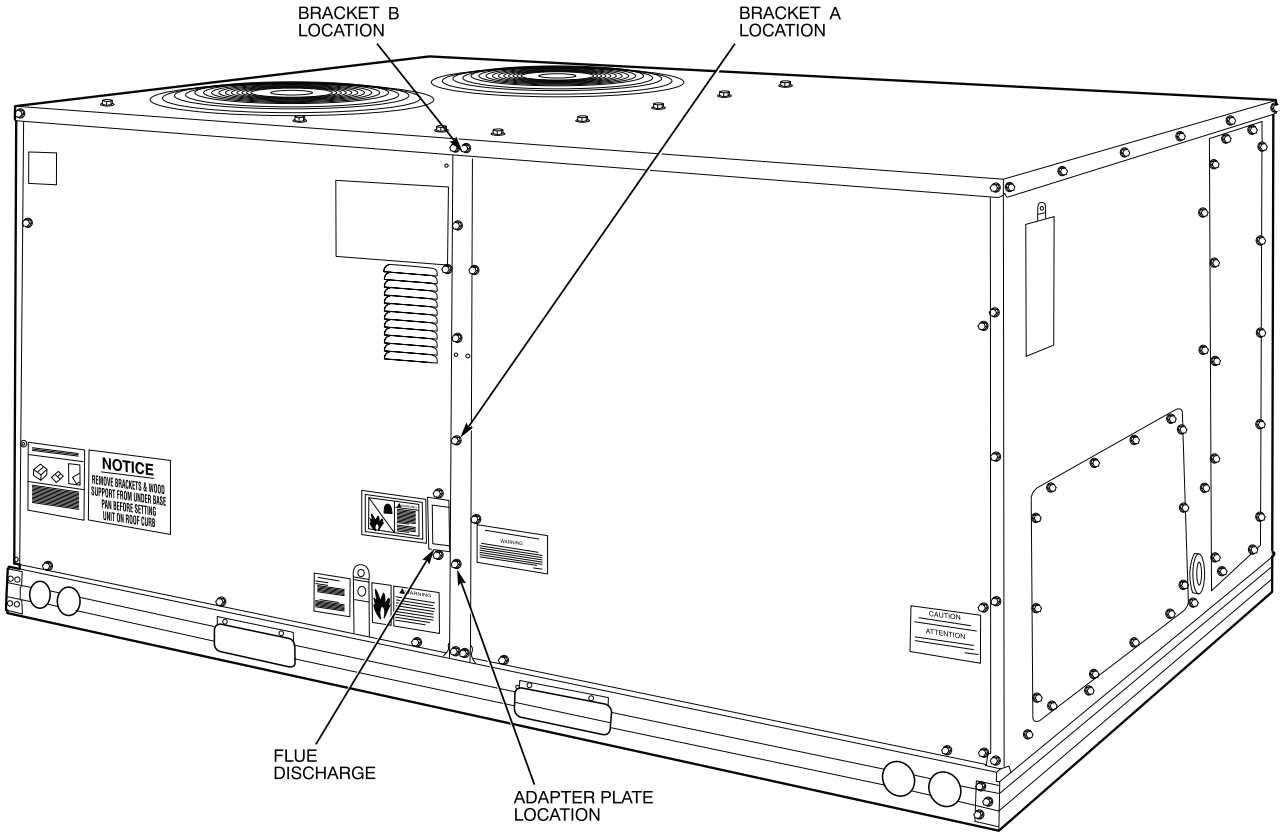


Fig. 3 — Flue Discharge Deflector Mounting Position

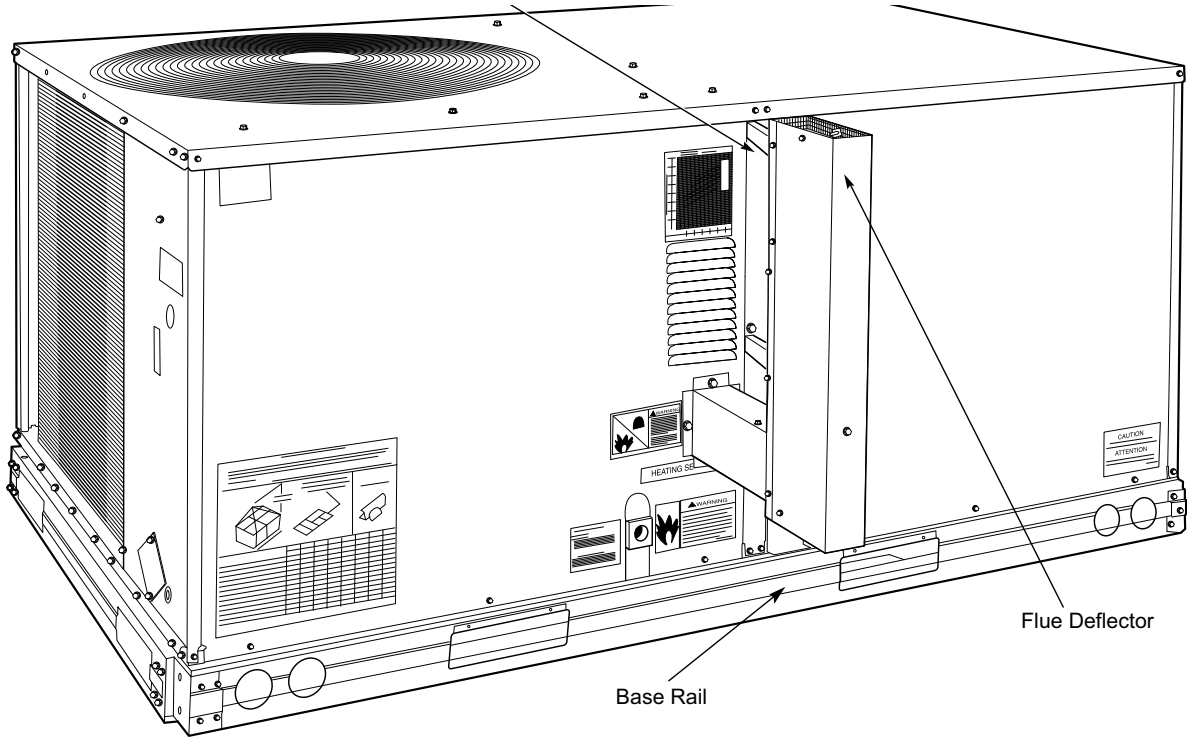


Fig. 4 — Installation of Flue Discharge Deflector on 3 to 12-1/2 Ton Units

SERVICE

Remove and clean screen periodically to ensure proper airflow and heating efficiency. Inspect full length of flue stack for any blockages which could impair flue performance. Inspect every fall, and periodically during heating season.

© 2022 Carrier

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

Catalog No. 04-53480284-01 Printed in U.S.A. Form IIK-CRFLUEDS01-07 Rev A Pg 4 2-22 Replaces: IIK-CRFLUEDS01-06