



Installation Instructions

Part No. CRFLUEDS018A00, CRFLUEDS019A00

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

Table 1 — Package Contents

ACCESSORY PACKAGE NO.	DESCRIPTION	PART NUMBER	QTY
CRFLUEDS018A00	Top Assembly	48VA002196	2
	Inner Duct Assembly (Upper)	48VA002219	2
	Inner Duct Assembly (Lower)	48VA002220	2
	Outer Duct Covering (Upper)	48VA002189	2
	Outer Duct Covering (Lower)	48VA002188	2
	Inner Duct Assembly Bracket	48VA002381	2
	Outer Duct Assembly Bracket	48VA002382	2
	Duct Assembly	48VA002221	2
	Upper Mounting Brackets	48VA002202, 48VA002383	4
	Lower Mounting Brackets	48VA002200, 48VA002384	4
	Support Brackets	48VA002204	8
	Screws - 1/4-14 x 5/8	AL56ZA003	103
	CRFLUEDS019A00	Top Assembly	48VA002196
Inner Duct Assembly (Upper)		48VA002219	3
Inner Duct Assembly (Lower)		48VA002220	3
Outer Duct Covering (Upper)		48VA002189	3
Outer Duct Covering (Lower)		48VA002188	3
Inner Duct Assembly Bracket		48VA002381	3
Outer Duct Assembly Bracket		48VA002382	3
Duct Assembly		48VA002221	3
Upper Mounting Brackets		48VA002202, 48VA002383	6
Lower Mounting Brackets		48VA002200, 48VA002384	6
Support Brackets		48VA002204	12
Screws - 1/4-14 x 5/8		AL56ZA003	264

Table 2 — Model Usage

ACCESSORY PART NUMBER	USAGE
CRFLUEDS018A00	48K 20-50 Ton
CRFLUEDS019A00	48K 60 Ton

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/CSA-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.

DANGER

ELECTRICAL SHOCK HAZARD

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

Before performing service or maintenance operations on unit, turn off main power switch to unit and install lock(s) and lockout tag(s). Ensure electrical service to rooftop unit agrees with voltage and amperage listed on the unit rating plate. Unit may have more than one power switch.

INSTALLATION

⚠ 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 result in death, serious personal injury and/or property damage.

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

⚠ CAUTION

CUT HAZARD

Failure to follow this caution may result in personal injury.

When removing access panels or performing maintenance functions inside your unit, be aware of sharp sheet metal parts and screws. Although special care is taken to reduce sharp edges to a minimum, be extremely careful when handling parts or reaching into the unit.

NOTE: These instructions apply to 48K 20-60 ton units with R-454B refrigerant only.

1. Remove screws from top cover panel and middle skin panel of the unit. See Fig. 1 and 2 for screw locations. Save screws for later use.
2. Assemble upper mounting brackets (part no. 48VA002202 and 48VA002383) and lower mounting brackets (part no. 48VA002200 and 48VA002384). See Fig. 3 and 4 for mounting bracket assembly and locations. Install mounting brackets to the units by reusing the existing screws. Each flue stack uses 2 brackets. See Fig. 1 and 2 for mounting positions.
3. Assemble the inner duct assemblies together using the inner duct assembly bracket (part no. 48VA002381) and the screws provided. See Fig. 5 for inner duct assembly.
4. Assemble outer layer of flue using duct coverings (part no. 48VA002382, 48VA002189, and 48VA002188). See Fig. 6 for completed flue assembly.
5. Assemble the flue stack deflector with support brackets and mount the accessory to the mounting brackets installed in step 2. See Fig. 6 for flue deflector installation and assembly.
6. Repeat Steps 1-5 one more time for 20-50 ton units, and repeat Steps 1-5 two more times for 60 ton units.

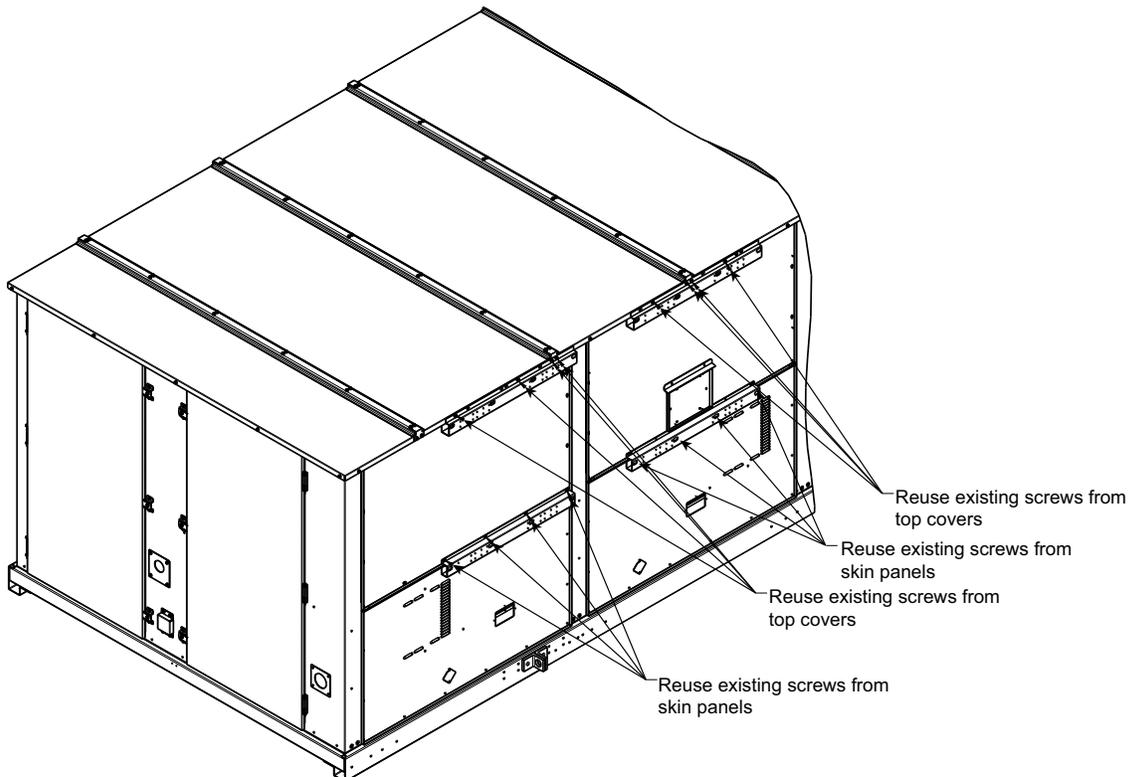


Fig. 1 — Flue Vent Extension Mounting Position

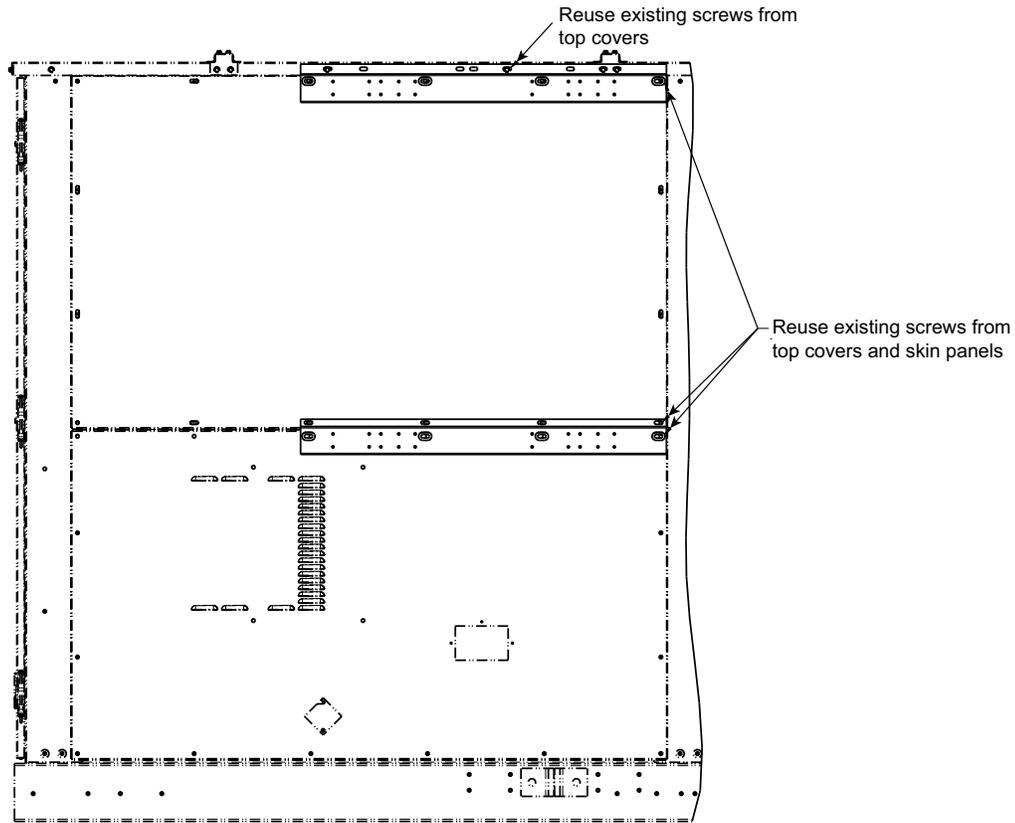


Fig. 2 — Mounting Bracket for Flue Vent Extension

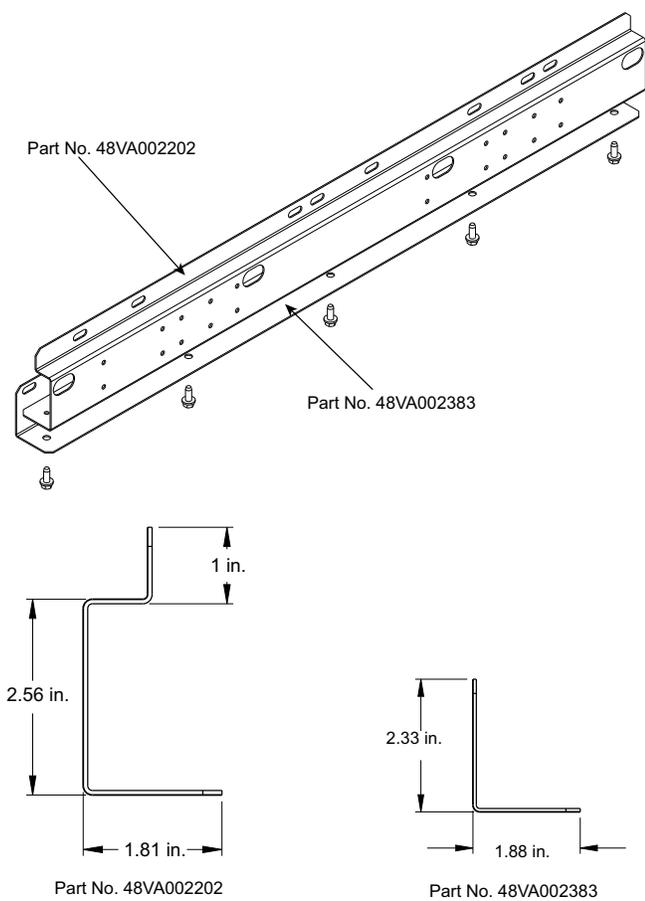


Fig. 3 — Upper Mounting Brackets and Dimensions

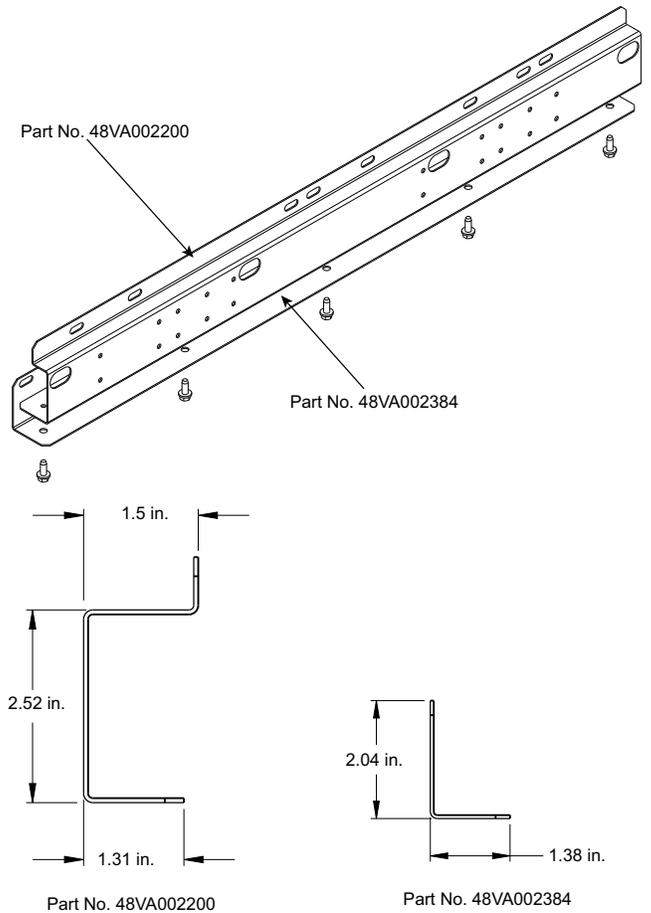


Fig. 4 — Lower Mounting Brackets and Dimensions

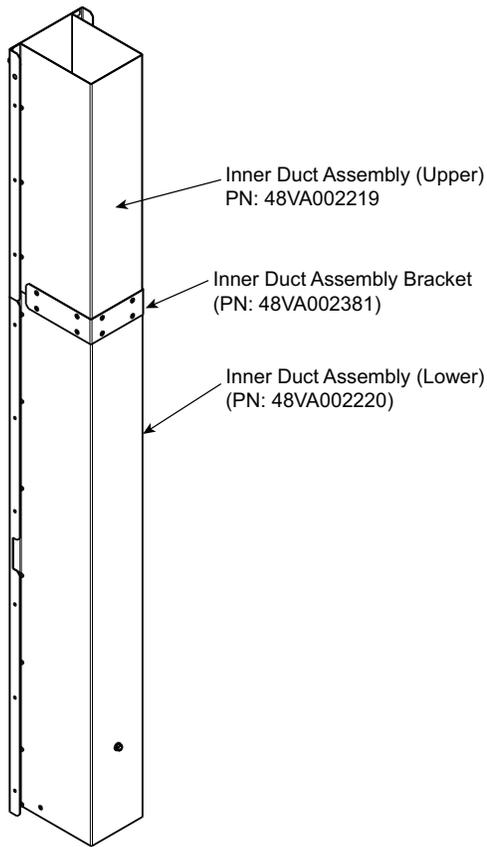


Fig. 5 – Inner Duct Assembly

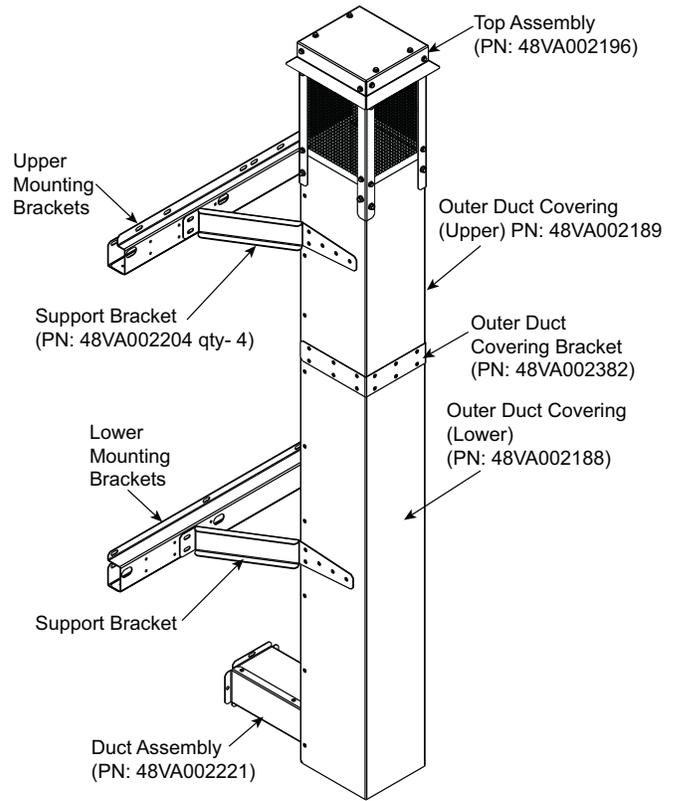


Fig. 6 – Flue Discharge Deflector Assembly

SERVICE

Remove and clean screen periodically to ensure proper air-flow 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. Refer to Fig. 6 and 7 completed installation.

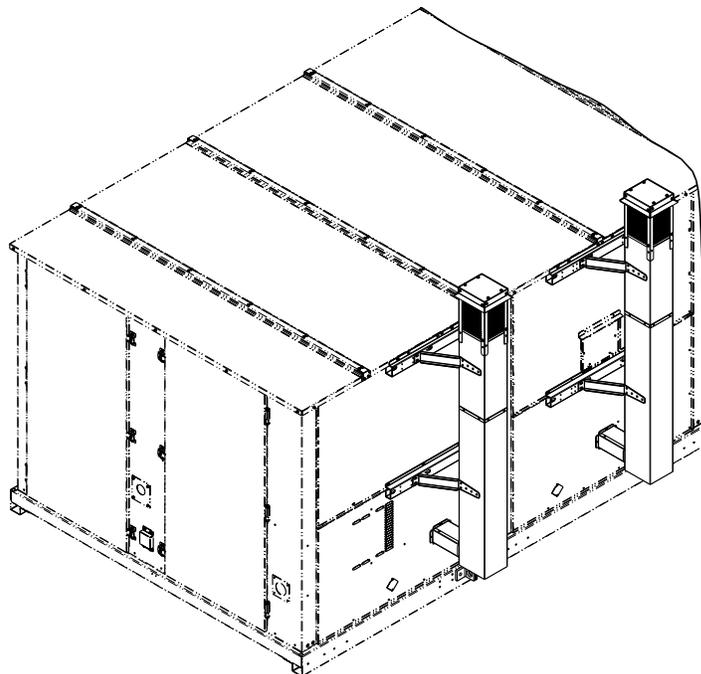


Fig. 7 – Installation of Flue Discharge Deflector Completed (48K 20-50 Ton)