

# Small Rooftop Units (3 to 12½ Tons) Split System Units (6 to 10 Tons) Accessory Hail Guard Package

Cancels: IIK 548-36-51      IIK 548-36-55  
11/15/02

## Installation Instructions

Part Numbers: CAHAILGD001A00, CAHAILGD002A00, CAHAILGD003A00,  
CRHAILGD002A00, CRHAILGD003A00, CRHAILGD004A00,  
CRHAILGD005A00, CRHAILGD009A00, CRHAILGD012A00

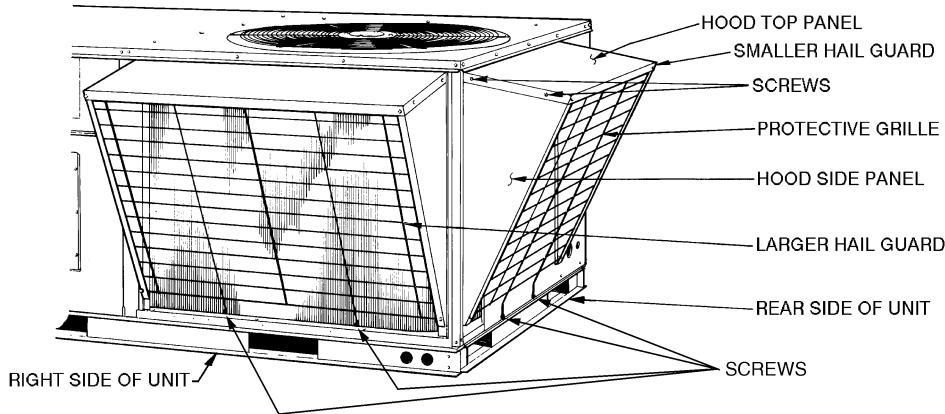
### GENERAL

Accessory hail guard (Fig. 1) components are shipped in a single carton. Package usage and contents are shown in Table 1.

**Table 1 — Package Usage and Contents**

HAIL GUARD PACKAGE NO.	UNIT	SIZE	PACKAGE CONTENTS
CAHAILGD001A00	Split System Standard Efficiency Condensing Unit and Heat Pump	7½ to 10 Ton	1 — Hood Top (35-in. x 15-in.) 1 — Hood Top (32-in. x 15-in.) 1 — Hood Top (23-in. x 15-in.) 1 — Grille (34½-in. x 35-in.) 1 — Grille (31½-in. x 35-in.) 1 — Grille (22½-in. x 35-in.) 6 — Hood Sides 39 — ¾-in. no. 10 screws
CAHAILGD002A00	Split System Standard Efficiency Condensing Unit	6 Ton	1 — Hood Top (32-in. x 11½-in.) 1 — Hood Top (35-in. x 11½-in.) 1 — Grille (32-in. x 27-in.) 1 — Grille (35-in. x 27-in.) 4 — Hood Sides 23 — ¾-in. no. 10 screws
CAHAILGD003A00	Split System High Efficiency Condensing Unit and Heat Pumps	6 to 10 Ton	2 — Hood Tops (32-in. x 11½-in.) 1 — Hood Top (28-in. x 11½-in.) 1 — Hood Top (24-in. x 11½-in.) 2 — Grilles (31¾-in. x 27-in.) 1 — Grille (27¾-in. x 27-in.) 1 — Grille (23¾-in. x 27-in.) 8 — Hood Sides 36 — ½-in. No. 10 Screws 2 — ½-in. No. 10 Self-Drilling Screws
CRHAILGD002A00	Standard Efficiency Small Rooftops	7½ and 8½ Ton	1 — Hood Top (43-in. x 15-in.) 1 — Hood Top (44-in. x 15-in.) 1 — Grille (43-in. x 35-in.) 1 — Grille (44-in. x 35-in.) 4 — Hood Sides 22 — ¾-in. no. 10 screws
	High Efficiency Small Rooftops	7½ Ton and 8½ Ton (50 Hz)	
	High Efficiency Small Rooftops Serial Numbers Below 4602G	8½ Ton	
CRHAILGD003A00	Standard and High Efficiency Small Rooftops	10 and 12½ Ton	1 — Hood Top (43-in. x 18½-in.) 1 — Hood Top (44-in. x 18½-in.) 1 — Grille (43-in. x 43-in.) 1 — Grille (44-in. x 43-in.) 4 — Hood Sides 26 — ¾-in. no. 10 screws
	High Efficiency Small Rooftops Serial Numbers 4602G and Above	8½ Ton (60 Hz)	
CRHAILGD004A00	Standard Efficiency Small Rooftops (20-in. Outdoor Coil) Serial Numbers Prior to 3600G	3 to 6 Ton	2 — Hood Tops (27½-in. x 8¼-in.) 1 — Hood Top (44½-in. x 8¼-in.) 2 — Grilles (27½-in. x 19½-in.) 1 — Grille (44½-in. x 19½-in.) 6 — Hood Sides 25 — ½-in. no. 10 screws 20 — ½-in. no. 10 self-drilling screws
CRHAILGD005A00	Standard Efficiency Small Rooftops Serial Numbers 3600G and Above	3 and 4 Ton	
	High Efficiency Small Rooftops	3 to 5 Ton	
	High Efficiency Small Rooftops Serial Numbers Below 3002G	6 Ton	2 — Hood Top (23½-in. x 11½-in.) 2 — Grille (23¼-in. x 27-in.) 4 — Hood Sides 24 — ¾-in. no. 10 screws
	High Efficiency Heat Pumps Serial Numbers Below 0902G	6 Ton	
CRHAILGD009A00	Standard Efficiency Small Rooftops Serial Numbers 3600G and Above	5 and 6 Ton	1 — Hood Top (23½-in. x 11½-in.) 1 — Hood Top (32-in. x 11½-in.) 4 — Hood Sides 1 — Grille (23¼-in. x 27-in.) 1 — Grille (31¾-in. x 27-in.) 24 — ¾-in. no. 10 Screws
CRHAILGD012A00	High Efficiency Heat Pump Serial Numbers 0902G and Above		2 — Hood Top (23½-in. x 15-in.) 4 — Hood Sides 2 — Grilles (22¾-in. x 35-in.) 22 — ¾-in. no. 10 Screws
	High Efficiency Small Rooftop Serial Numbers 3002G and Above	6 Ton	

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



**Fig. 1 — Hail Guard Installed on Unit (Typical Rooftop Unit Shown)**

## ASSEMBLY

### All Packages Except CAHAILGD003A00

1. Remove hail guard from packaging.
2. Assemble hoods. Attach 2 side panels to each top panel, using 2 screws for each panel (package CAHAILGD002A00, CRHAILGD002A00, CRHAILGD004A00, CRHAILGD005A00, CRHAILGD009A00 and CRHAILGD012A00) or 3 screws for each panel (package CAHAILGD001A00 and CRHAILGD003A00). (See Fig. 1.)
3. *All packages except CRHAILGD004A00:*  
Install the grilles to the inside of the hood assembly, using 4 screws for each grille. (Catch the corner of the grille between the hood side panel and screw.) See Fig. 2, Detail 'A.'

#### Package CRHAILGD004A00:

Place upper grille tines through holes in hood top. Place side grille tine offset through slot in hood sides. (See Fig. 2, Detail 'C'.)

4. *Package CAHAILGD001A00:*
  - a. Attach the larger hail guard to the rear of the unit through the 4 clearance holes in the unit top cover using screws provided. See Fig. 2, Detail 'B.' Attach the bottom of the grille to the holes in the base rail through eyelets in grille using screws provided.
  - b. Attach the two remaining hail guards to the sides of the unit. Remove screws from top cover and slide the lip of the hood top under the unit top cover. Replace the screws in the top cover. See Fig. 2, Detail 'B.' Using screws provided, attach hail guards to unit through clearance holes. Attach the bottom of the grille to the holes in the base rail through eyelets in grille using screws provided. See Fig. 3 for final assembly reference.

#### Package CAHAILGD002A00:

- a. Attach the smaller hail guard to the rear of the unit. Remove screws from the top cover and slide the lip of the hood top under the top cover. Replace the screws in the top cover. See Fig. 2, Detail 'B.' Attach the bottom of the grille to the holes in the base rail with a screw through each eyelet of the grille.
- b. Attach the larger hail guard to the right side of the unit with 2 screws through the clearance holes in the top cover. See Fig. 2, Detail 'B.' Attach the bottom of the grille to the base rail with a screw through each eyelet of the grille. See Fig. 3 for final assembly reference.

#### Package CRHAILGD002A00 and CRHAILGD003A00:

- a. Attach the larger hail guard to the rear of the unit. Remove screws from the top cover and slide the lip of the hood top under the top cover. Replace the screws in the top cover. See Fig. 2, Detail 'B.' Attach the bottom of the grille to the holes in the base rail with a screw through each eyelet of the grille.
- b. Attach the smaller hail guard to the right side of the unit with 2 screws through the clearance holes in the top cover. See Fig. 2, Detail 'B.' Attach the bottom of the grille to the base rail with a screw through each eyelet of the grille. See Fig. 3 for final assembly reference.

#### Package CRHAILGD004A00:

- a. Attach the larger hail guard to the rear of the unit. Remove screws from top cover and slide the lip of the hood top under the unit top cover. Replace the screws in the top cover. See Fig. 2, Detail 'B.' Attach the bottom of the grille to the holes in the base rail through eyelets in grille using screws provided. Attach the bottom of hood sides to the unit with self-drilling screws provided.

- b. Attach the remaining hail guard(s) to the side(s) of the unit. Remove screws from top cover and slide the lip of the hood top under the unit top cover. Replace the screws in the top cover. See Fig. 2, Detail 'B.' Using screws provided, attach hail guards to unit through clearance holes. Attach the bottom of the grille to the holes in the base rail through eyelets in grille using screws provided. Attach the bottom of hood sides to the unit with self-drilling screws provided. See Fig. 3 for final assembly reference.

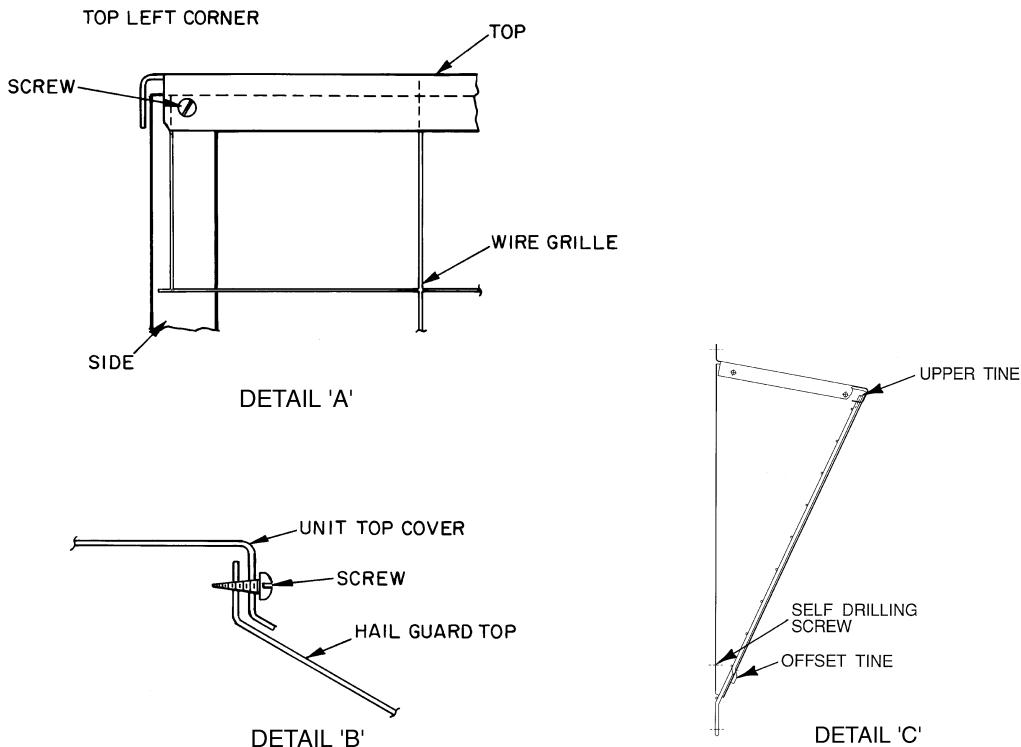
#### Package CRHAILGD005A00, CRHAILGD009A00 and CRHAILGD012A00:

Attach one hail guard to the rear and one hail guard to the right side of the unit through the two clearance holes in the unit top cover using screws provided. See Fig. 2, Detail 'B.' Attach the bottom of the grille to the holes in the base rail through eyelets in grille using screws provided. See Fig. 3 for final assembly reference.

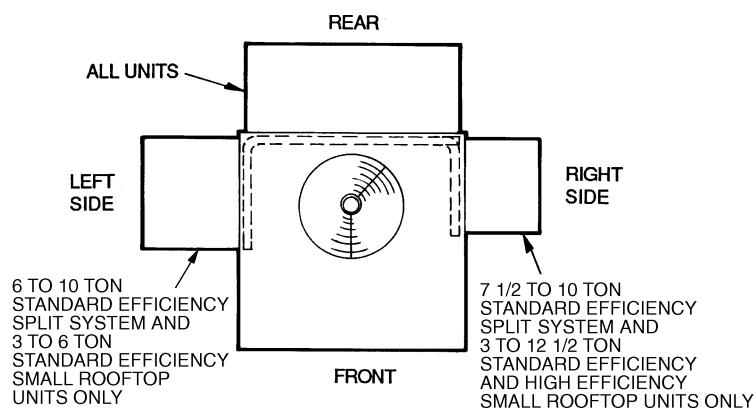
## CAHAILGD003A00 Hail Guard Packages (Fig. 4)

1. Remove hail guard from packaging.
2. Assemble hoods. Attach 2 side panels to each top panel, using 2 screws provided for each panel. (See Fig. 1.)

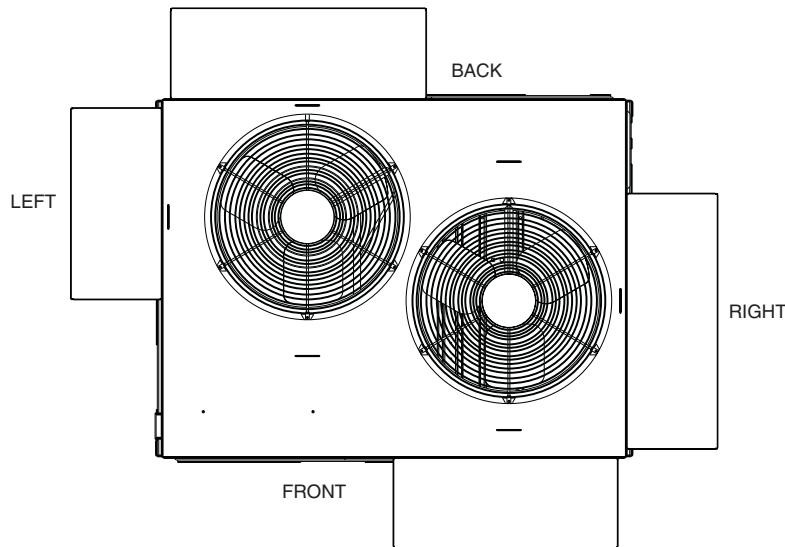
3. Install the grilles to the inside of the hood assembly, using 2 screws for each grille. (Catch the corner of the grille between the hood side panel and screw.) See Fig. 2, Detail 'A.'
4. Remove screws from coil supports on the front, right, and left sides of the unit. Loosen screws on the panels on the right and back sides of the unit. See Fig. 5.
5. Attach the smaller hail guard to the left side of the unit. Attach hood side to corner post through the engagement holes with screws provided. Attach other hood side to unit panel with 2 self-drilling screws provided. Attach the bottom of the grille to the holes in the coil support through each eyelet of the grille with screws removed in Step 4.
6. Attach the two larger hail guards to the right and back sides of the unit. Slide hood sides under screws loosened on panels and tighten. Attach other hood side to corner post through engagement holes with screws provided. Attach the bottom of the grille to the base rail with a screw through each eyelet of the grille. See Fig. 5.
7. Attach the remaining hail guard to the front of the unit. Attach hood sides to corner posts through engagement holes with screws provided. Attach the bottom of the grille to the base rail with a screw through each eyelet of the grille. See Fig. 5 for final assembly reference.



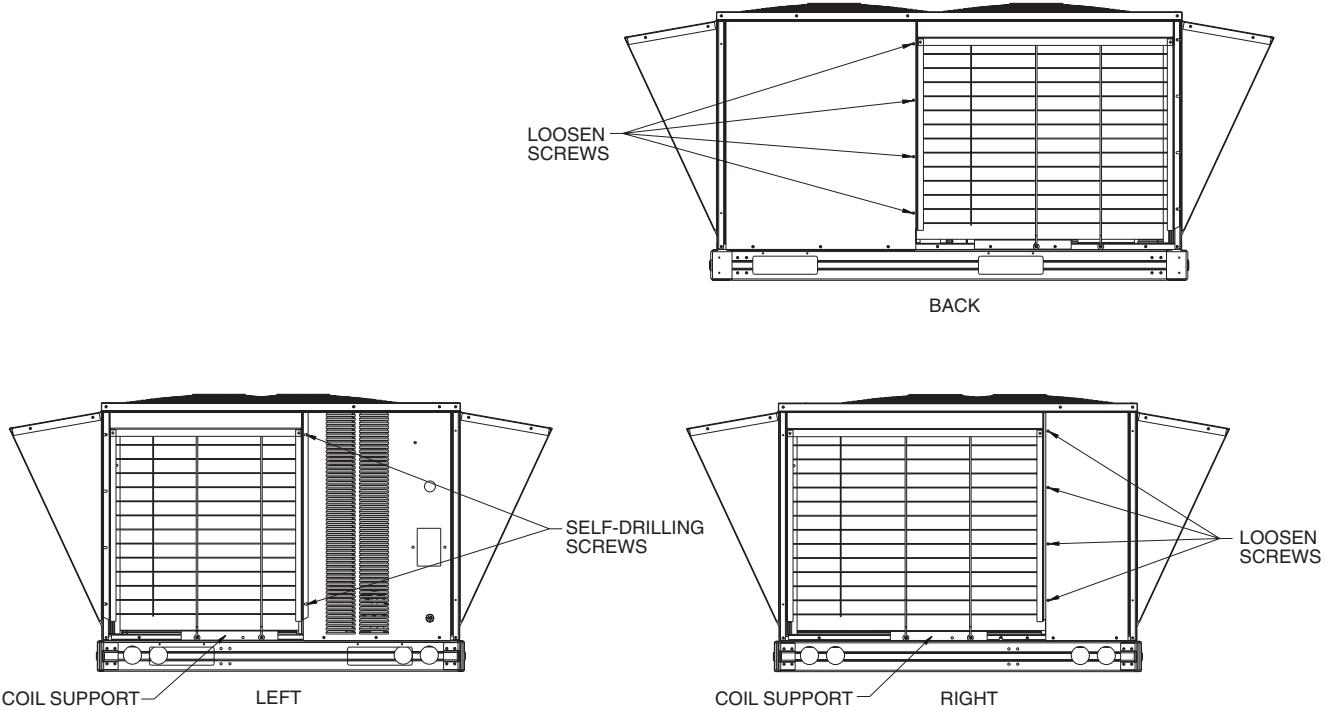
**Fig. 2 — Installation Details**



**Fig. 3 — Typical Top View of Unit with Hail Guards Installed  
(Standard Efficiency Split System Condensing Units  
and Heat Pumps and Small Rooftop Units)**



**Fig. 4 — Typical Top View of Unit with Hail Guards Installed  
(High Efficiency Split System Condensing and Heat Pump Units)**



**Fig. 5 — Assembly Details (High Efficiency Split System Condensing  
and Heat Pump Units)**