

Installation Instructions

Coastal Filter

KAACF

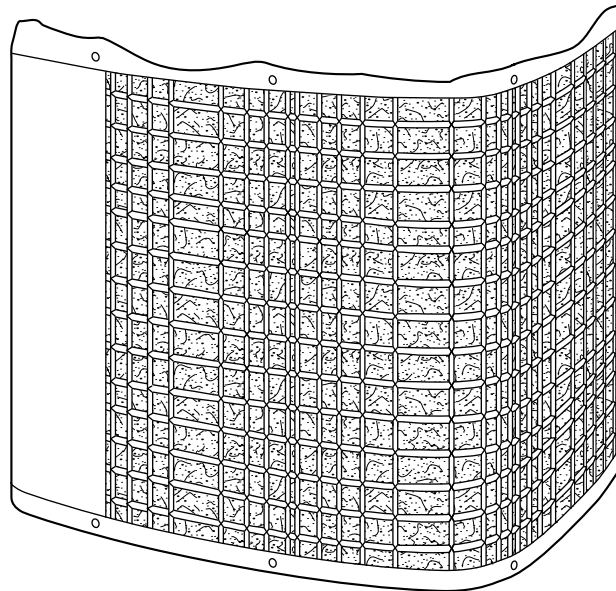


Fig. 1—Coastal Filter Installation

A91325

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

SAFETY CONSIDERATIONS

Installing and servicing air conditioning equipment can be hazardous due to system pressures and electrical components. Only trained personnel should install or service air conditioning equipment.

Untrained personnel can perform basic maintenance functions, such as cleaning coils, or cleaning and replacing filter(s). All other operations should be performed by trained service personnel. When working on air conditioning equipment, observe precautions in the literature and on tags and labels attached to the unit.

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

⚠ WARNING: Before beginning any installation or modification, be sure the main electrical disconnect switch is in the OFF position. TAG THE DISCONNECT SWITCH WITH A SUITABLE WARNING LABEL. Electrical shock can cause personal injury or death.

⚠ CAUTION: Application of coastal filters to heat pumps should be limited to those areas where prolonged subfreezing temperatures will NOT occur.

INTRODUCTION

This instruction covers installation of coastal filter on all split-system air conditioners and heat pumps, except horizontal discharge units. See Table 1 for kit part numbers, contents, and usage.

DESCRIPTION AND USAGE

The coastal filter kit is designed to protect condenser coil from damage caused by corrosive conditions in coastal areas. See Table 1 for contents of kits.

INSTALLATION

1. Measure height of unit and locate matching unit configuration and height in Table 2. Note letter in Top Rib column. (See Fig. 2.)

Example: Unit height measures 21-7/8 in. Table 2 indicates letter B in Top Rib column.

2. Remove filter(s) from carton and note letters along sides of filter(s). Find proper letter and cut along top edge of rib. This rib will now be the new top edge of the filter.

3. Place filter(s) on a flat surface. Using a straight edged screwdriver, apply pressure to tab area to ensure snapping tabs are properly locked in place. (See Fig. 3.)

NOTE: Cube Units Only: Additional cutting will be necessary for proper fit. Refer to Table 2. From either end of assembled panels, cut along outside edge of 1 side only of lettered rib as shown in Table 2.

Example: In Table 2 the small cube base unit shows letter K in the Side Rib column. Cut 1 edge only along outside edge of letter K rib. This rib will now be the outside edge of the filter. At this point the filter panels should be ready to install.

Table 1—Coastal Filter Kit

KIT PART NO.	USAGE	QUANTITY	CONTENTS
KAACF0701SML	Units with 3-sided and 4-sided Coil—Small Base	2	Large Filters Instruction
		1	
KAACF0801MED	Units with 3-sided Coil—Medium Base	2	Large Filters Small Filter Instruction
		1	
		1	
KAACF0901LRG	Units with 3-sided Coil—Large Base	3	Large Filters Small Filter Instruction
		1	
		1	
KAACF1001MED	Units with 4-sided Coil—Medium Base	1	Large Filter Small Filters Instruction
		2	
		1	
KAACF1101LRG	Units with 4-sided Coil—Large Base	2	Large Filters Small Filters Instruction
		2	
		1	

4. Loosen screws securing base pan and top cover to inlet grille.

5. Loosen screws securing side panels to coil tube sheet.

6. Beginning at either end of coil, position filter behind side panel, top cover and base pan flanges, and against tube sheet. Other end of filter will extend around unit to opposite sheet metal side panel. Tighten side panel screws to hold filter in place.

NOTE: Tapered bottom edge of filter must be placed in base pan to ensure that no salt is trapped between base pan and filter during cleaning.

7. Place filter between grille and base pan flange and tighten base pan screws to secure filter.

8. Insert top edge of filter between grille and top cover and tighten top cover screws to secure filter.

9. Insert remaining end of filter behind side panel and tighten side panel screws.

Table 2—Filter Sizing

UNIT TYPE	UNIT HEIGHT (IN.)	TOP RIB	SIDE RIB	FILTER HEIGHT (IN.)
Units with 3-sided Coil All Size Bases	21-7/8	B	—	19-1/2
	25-7/8	D	—	23-1/2
	31-7/8	G	—	29-1/2
	37-7/8	No Trim	—	35-1/2
Units with 4-sided Coil Small Base (18 in.)	20	A	M	17-1/2
	22	B	M	19-1/2
	24	C	M	21-1/2
	26	D	M	23-1/2
	28	E	M	25-1/2
Units with 4-sided Coil Medium Base (22-1/2 in.)	20	A	K	17-1/2
	24	C	K	21-1/2
	28	E	K	25-1/2
	32	G	K	29-1/2
Units with 4-sided Coil Large Base (30 in.)	22	B	L	19-1/2
	26	D	L	23-1/2
	32	G	L	29-1/2
	34	H	L	31-1/2
	38	No Trim	L	35-1/2

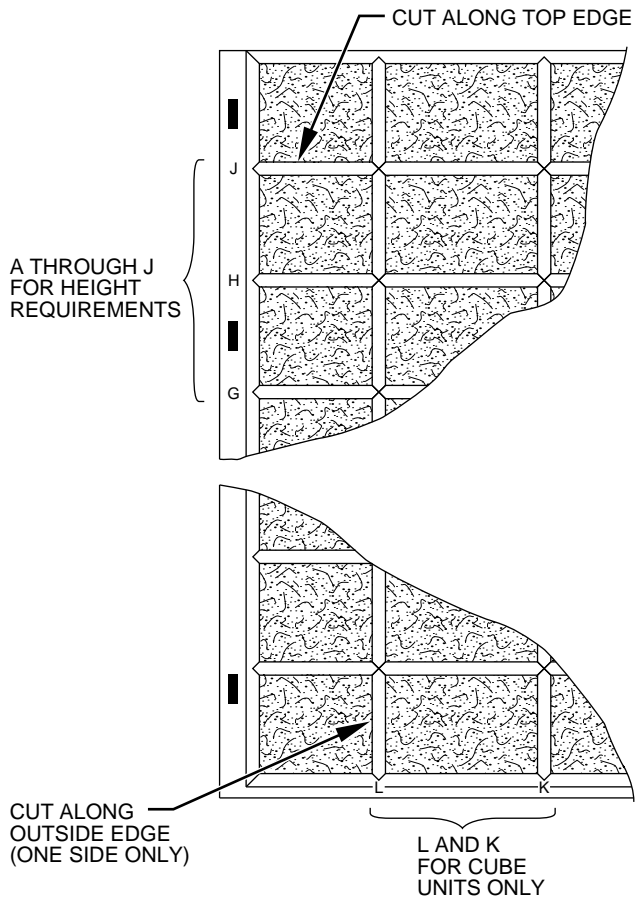


Fig. 2—Location of Letters

A93356

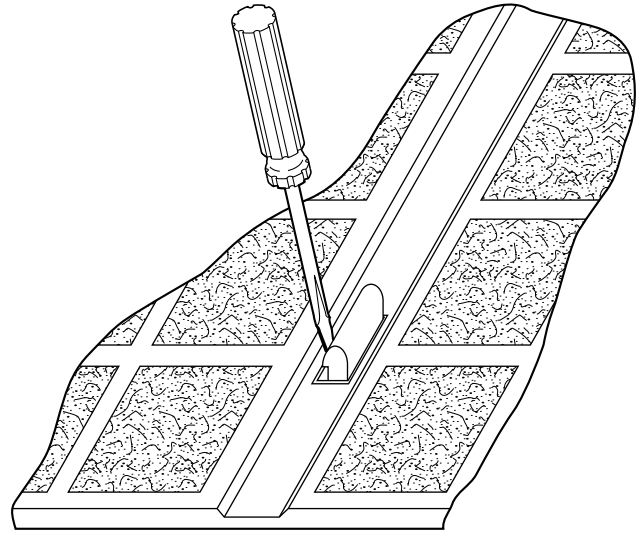


Fig. 3—Location of Snaps

A93357

CARE AND MAINTENANCE

The materials used in this filter are selected for long life but cleaning the filter will extend the life. Washing the filter with a garden hose using a soft spray will remove contaminants that will cause the filter to get brittle and crumble with time. For beach applications the filter should be washed every month. For applications close to the ocean washing twice per year may be enough. If corrosion is a severe problem in your area wash the filter more often.

SERVICE TRAINING

Packaged Service Training programs are an excellent way to increase your knowledge of the equipment discussed in this manual, including:

- Unit Familiarization
- Maintenance
- Installation Overview
- Operating Sequence

A large selection of product, theory, and skills programs is available, using popular video-based formats and materials. All include video and/or slides, plus companion book.

Classroom Service Training plus "hands-on" the products in our labs can mean increased confidence that really pays dividends in faster troubleshooting, fewer callbacks. Course descriptions and schedules are in our catalog.

CALL FOR FREE CATALOG 1-800-962-9212

Packaged Service Training Classroom Service Training

A94328