Filter Kit Accessory for Small Rooftop Units Select 3 to 15 Ton Units

Installation Instructions

Part No. CRFLTTRK002A00, CRFLTTRK003A00, CRFLTTRK004A00, CRFLTTRK005A00, CRFLTTRK006A00

MODEL USAGE CHART

FILTER KIT PACKAGE	ROOFTOP UNIT MODEL		
CRFLTTRK002A00*	48/50FC 04-06	582K 04-06 / 559K 04-06	RGV/RAV 036-060
	50FCQ 04-05	547K 04-05	RHV 036-048
	48/50GC 04-05	581K 04-05 / 551K 04-05	RGW/RAW 036-048
	50GCQ 04	549K 04	RHW 036
	48/50HC 04	581J 04 / 551J 04	RGH/RAH 036
	50HCQ 04	549J 04	RHH 036
	48/50KC 04-05	582J 04-05 / 559J 04-05	RGX/RAX 036-048
	50KCQ 04	547J 04	RHX 036
	48/50LC 04	—	—
CRFLTTRK003A00	48/50FC 07	582K 07 / 559K 07	RGV/RAV 072
	50FCQ 06-07	547K 06-07	RHV 072-090
	48/50GC 06	581K 06 / 551K 06	RGW/RAW 060
	50GCQ 05-06	549K 05-06	RHW 048-060
	48/50HC 05-06	581J 05-06 / 551J 05-06	RGH/RAH 048-060
	50HCQ 05-06	549J 05-06	RHH 048-060
	48/50JC 04-06	—	—
	48/50KC 06	582J 06 / 559J 06	RGX/RAX 060
	50KCQ 05-06	547J 05-06	RHX 048-060
	48/50LC 05-06	—	—
	48/50TC 07	580J 07 / 558J 07	RGS/RAS 072
	50TCQ 07	548J 07	RHS 072
CRFLTTRK004A00	48/50HC 07	581J 07 / 551J 07	RGH/RAH 072
	50HCQ 07	549J 07	RHH 072
	48/50TC 08	580J 08 / 558J 08	RGS/RAS 089
CRFLTTRK005A00	48/50HC 08-12	581J 08-12 / 551J 08-12	RGH/RAH 090-120
	50HCQ 08-09	549J 08-09	RHH 090-102
	48/50LC 07	—	—
	48/50TC 09-14	580J 09-14 / 558J 09-14	RGS/RAS 100-150
	50TCQ 08-12	548J 08-12	RHS 090-120
CRFLTTRK006A00	48/50HC 14	581J 14 / 551J 14	RGH/RAH 150
	50HCQ 12	549J 12	RHH 120
	48/50LC 08-12	—	—
	48/50TC 16	580J 16 / 558J 16	RGS/RAS 180
	50TCQ 14	548J 14	RHS 150

* Not compatible with hot gas reheat, Humidi-Mizer, or Perfect Humidity units.

IMPORTANT: Read the entire instruction manual before attempting to install the accessory filter kit.

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure). Only trained, qualified installers and service technicians should install, start-up, and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and any other safety precautions that apply:

- Follow all safety codes
- Wear safety glasses and work gloves
- Use care in handling and installing this accessory

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.

⚠ CAUTION

PERSONAL INJURY 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 air conditioning equipment.

⚠ WARNING

ELECTRICAL SHOCK HAZARD

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

Before performing service or maintenance operations on unit, turn off main power switch to unit and install lockout tag. Ensure electrical service to rooftop unit agrees with voltage and amperage listed on the unit rating plate.

GENERAL

This kit is used to convert a 2 in. wide filter rack within a unit, to a 4 in. wide filter rack. See Table 1 for accessory kit contents. See Table 2 for field-supplied filter sizes. See Fig. 1 for kit configuration.

Table 1 — Accessory Kit Contents

ACCESSORY KIT NUMBER	PART #	DESCRIPTION	QTY
CRFLTTRK002A00	48TC004817	Filter Support Bracket	1
	48TC004818	Bottom Air Block Off	1
	48TC004819	Top Lid	1
	48TC004820	Bottom Lid	1
	48TC004821	Left Side Panel	1
	48TC004822	Right Side Panel	1
	48TC004823	Top Air Block Off	1
	—	Rivets	4
	—	#10 Screws (3/8 in.)	22
	—	Filter Size Label	1
CRFLTTRK003A00	48TC004835	Filter Support Bracket	1
	48TC004833	Bottom Air Block Off	1
	48TC004834	Top Lid	1
	48TC004831	Bottom Lid	1
	48TC004830	Left Side Panel	1
	48TC004829	Right Side Panel	1
	48TC004832	Top Air Block Off	1
	—	Rivets	4
	—	#10 Screws (3/8 in.)	26
	—	Filter Size Label	1
CRFLTTRK004A00	48TC004835	Filter Support Bracket	1
	48TM006400	Bottom Air Block Off	1
	48TM006401	Top Lid	1
	48TM006395	Bottom Lid	1
	48TM006396	Left Side Panel	1
	48TM006397	Right Side Panel	1
	48TM006398	Top Air Block Off	1
	—	Rivets	4
	—	#10 Screws (3/8 in.)	26
	—	Filter Size Label	1

Table 1 — Accessory Kit Contents (cont)

ACCESSORY KIT NUMBER	PART #	DESCRIPTION	QTY
CRFLTTRK005A00	48TM006424	Filter Support Bracket	1
	48TM006423	Bottom Air Block Off	1
	48TM006418	Top Lid	1
	48TM006421	Bottom Lid	1
	48TM006417	Left Side Panel	1
	48TM006420	Right Side Panel	1
	48TM006419	Top Air Block Off	1
	48TM006422	Middle Filter Track Support	1
	—	Rivets	4
	—	#10 Screws (3/8 in.)	28
	—	Filter Size Label	1
CRFLTTRK006A00	50TM002152	Filter Support Bracket	1
	50TM002151	Bottom Air Block Off	1
	50tm002146	Top Lid	1
	50TM002148	Bottom Lid	1
	50TM002147	Left Side Panel	1
	50TM002149	Right Side Panel	1
	50TM002150	Middle Filter Track Support	1
	50TM002145	Top Air Block Off	1
	—	Rivets	4
	—	#10 Screws (3/8 in.)	31
	—	Filter Size Label	1

Field-Supplied Filters

IMPORTANT: Filters are not provided with this kit and must be field-supplied.

Table 2 — Filter Sizes

KIT	FILTER SIZE (QTY)
CRFLTTRK002A00	16x20x4 (2)
CRFLTTRK003A00	16x25x4 (2)
CRFLTTRK004A00	20x24x4 (2)
CRFLTTRK005A00	16x20x4 (4)
CRFLTTRK006A00	16x20x4 (4) and 20x20x4 (2)

NOTE: Filters are to be field-supplied for each kit. Please note these are not the same size as the 2" throwaway filters that are provided with the standard units.

Required Tools

- 5/16 in. screwdriver with extender
- Rivet gun
- Awl and clamps (recommended)

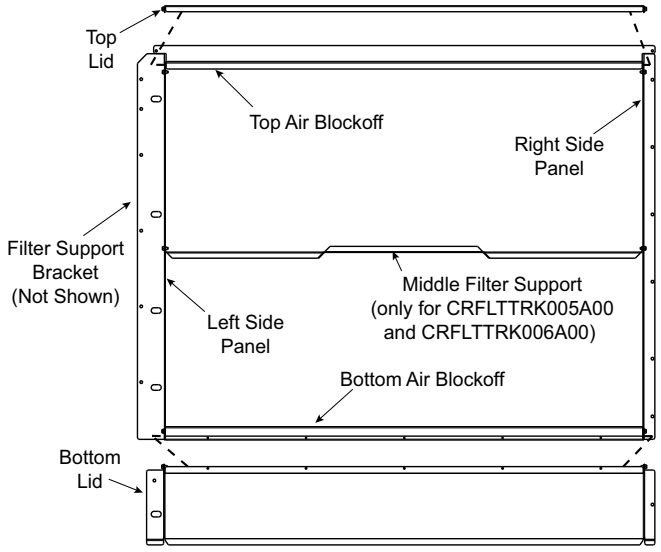


Fig. 1 — Kit Configuration

INSTALLATION

Prior to rack installation, assemble new 4 in. filter rack.

Filter Rack Assembly

1. Attach bottom lid to side rails using 2 screws, 1 screw per side (top hole). (See Fig. 2.)

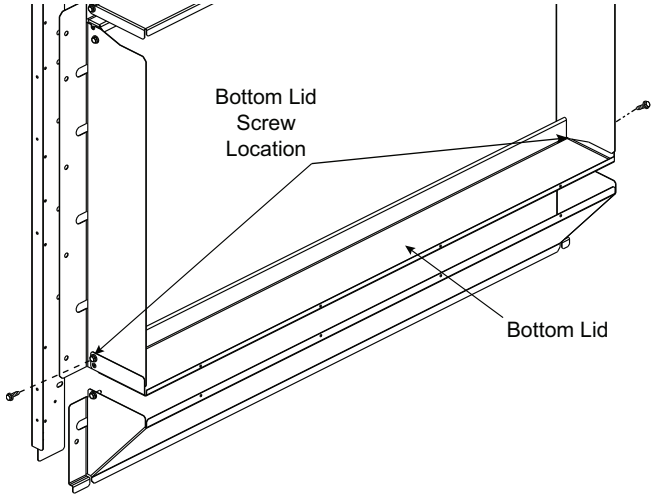


Fig. 2 — Bottom Lid Assembly

2. Attach bottom air block off to bottom lid and side rails using 2 screws, 1 screw per side (bottom hole). (See Fig. 3.)
3. Rivet bottom air block off to bottom lid in the 4 provided rivet locations. (See Fig. 3.)

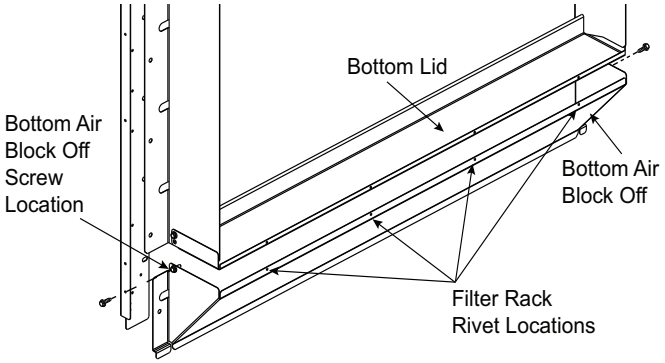


Fig. 3 — Bottom Air Block Off Assembly

4. Attach top air block off to side rails using 2 screws, 1 screw per side (bottom hole). (See Fig. 4.)
5. Attach top lid to side rails and top air block off using 2 screws, 1 screw per side (top hole). (See Fig. 4.)

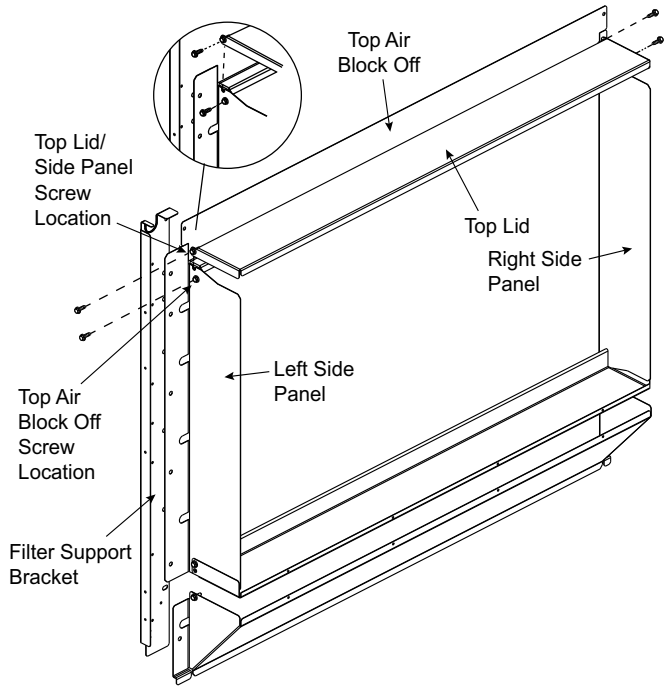


Fig. 4 — Top Air Block Off and Top Lid Assembly

6. For CRFLTTRK005A00 and CRFLTTRK006A00 ONLY:
   Attach middle filter support track using 2 screws, 1 screw per side. (See Fig. 5.)

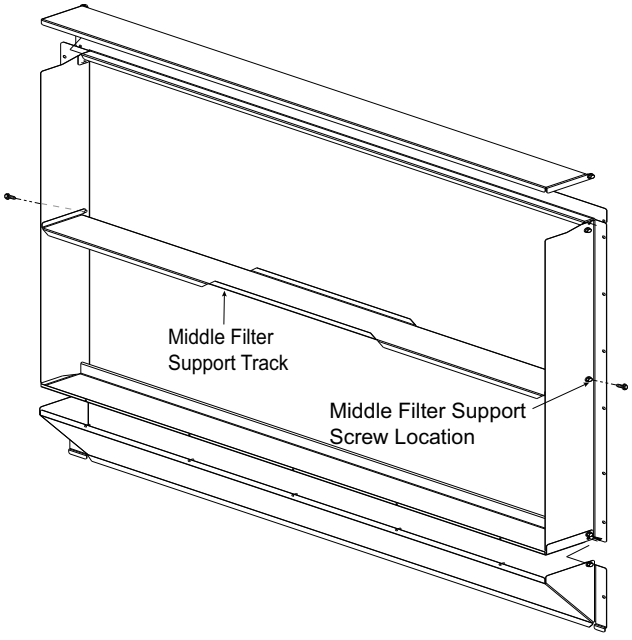


Fig. 5 — Middle Filter Support Track Assembly

Filter Support Bracket Assembly

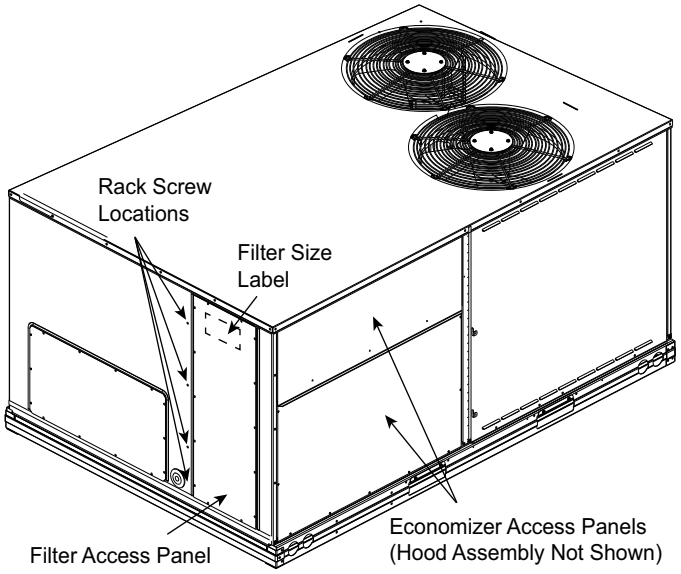
IMPORTANT: Instructions are based on smaller sized units. The number of screws may vary based on unit size. Screw locations are the same.

⚠ WARNING

ELECTRIC SHOCK HAZARD

Be sure all power is off to unit to avoid electrical shock.

1. Locate and remove filter access panel, economizer hood assembly, economizer and economizer access panel. (See Fig. 6.) Retain screws for later use.
2. Remove the screws holding the filter rack. (See Fig. 6.)



NOTE: Bottom panel may be covered by external economizer hood assembly.

Fig. 6 — Filter Support Bracket Assembly (Small Tonnage Unit Shown)

3. Remove filters and 2 in. filter rack.
4. Remove filter supporting bracket by removing the supporting screws on the outside of the unit and the screws on the inside of the unit. The number of screws will vary based on the unit size. Discard bracket and 2 in. filter track.
5. Install new filter support bracket. (See Fig. 7.) Ensure the hole at the top aligns with the hole in the bracket behind it. Attach screws on the outside of the unit. Attach screws on the inside of the unit.

   NOTE: Quantity of screws may vary.

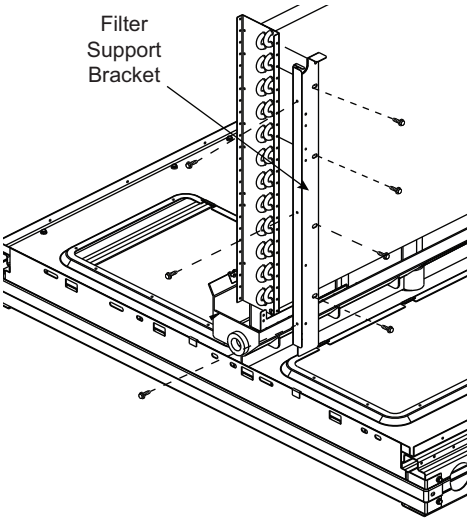


Fig. 7 — New Filter Support Bracket

6. CRFLTTRK004A00 Filter Kit Only:

   Remove the two screws and vertical return air blockoff panel. (See Fig. 8.)

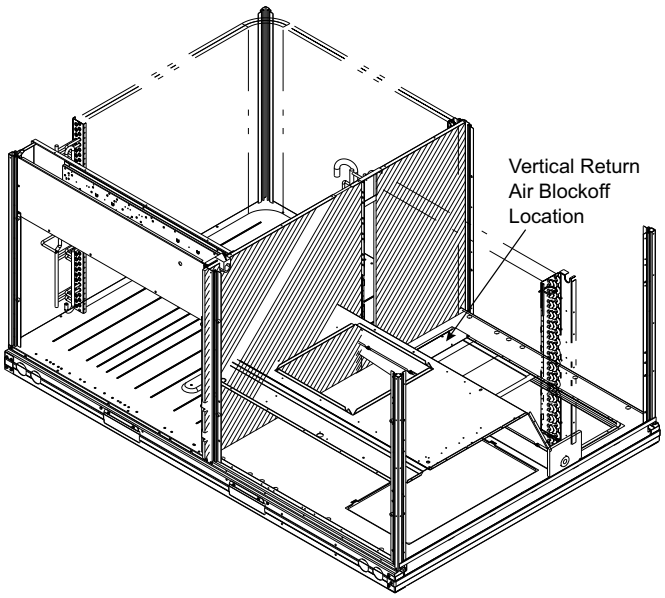


Fig. 8 — Vertical Return Air Blockoff Panel

Install 4-in. Filter Rack

1. Install pre-assembled 4 in. filter rack, and secure with provided screws. Quantity of screws may vary depending on unit size. (See Fig. 9.)

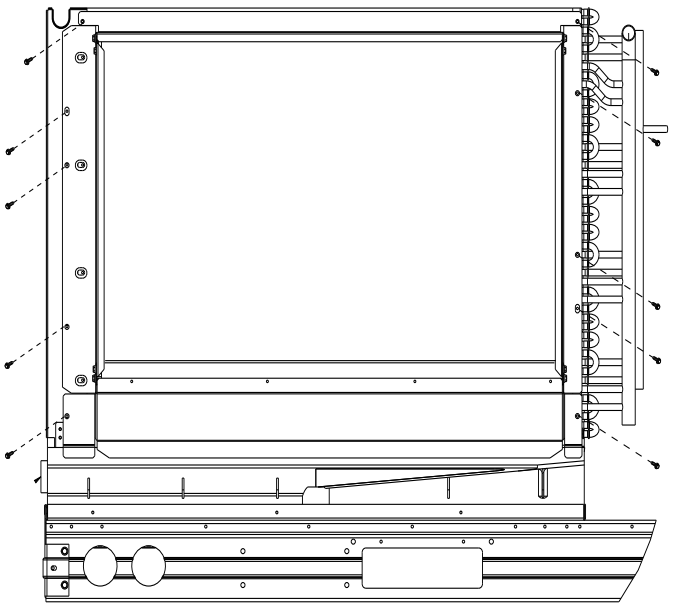


Fig. 9 — Filter Rack Installation

IMPORTANT: If economizer is installed, remove the shipping tabs in order to prevent the filters from catching during filter changes. (See Fig. 10.)

2. Install new 4 in. filters. See Table 2.

IMPORTANT: Slide filters behind the filter support bracket screws.

3. Re-install filter access panel, economizer hood assembly, economizer and economizer access panel using previously removed screws. (Refer to Fig. 6.)
4. Affix label size label to the filter access panel. (Refer to Fig. 6.)
5. Restore power to the unit.

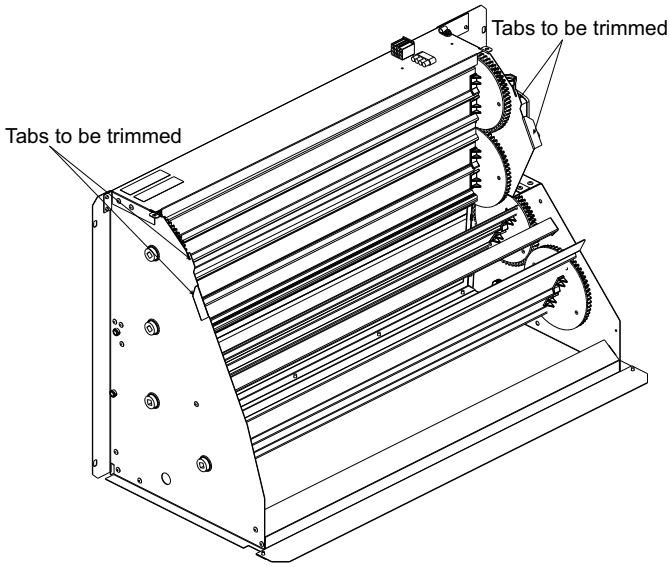


Fig. 10 — Economizer Tab Removal

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