

Installation Instructions

Quick Adapt Roof Curb

Adapts the Precedent™ Unit to a Carrier HJ Series

Roof Curb

Model Number:	Used With:
BAYQACB500*	Precedent B/F cabinet (digit 30 = B or F) to Carrier 74x47 T/YSC036-060G, T/YHC036E, T/YHC037E, T/YZC036E, WSC036-048H, D/WHC036H
BAYQACB501*	Precedent C/D cabinet (digit 30 = C or D) to Carrier 74x47 T/YSC072-120E/F/H, T/YHC047-074E/F, T/YZC048-072, WSC072-090E, WSC060-120H, D/WHC048-102H
BAYQACB502*	Precedent C/D/E cabinet (digit 30 = C, D or E) to Carrier 88x59 T/YSC072-120E/F/H, T/YHC047-120E/F, T/YZC048-120, WSC072-120E, WSC060-120H, D/WHC048-120H

SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

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WARNING

Proper Field Wiring and Grounding Required!
Failure to follow code could result in death or serious injury. All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state electrical codes.

WARNING

Personal Protective Equipment Required!
Installing/servicing this unit could result in exposure to electrical, mechanical and chemical hazards. Before installing/servicing this unit, technicians MUST put on all Personal Protective Equipment (PPE) recommended for the work being undertaken. ALWAYS refer to appropriate SDS sheets and OSHA guidelines for proper PPE. When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS sheets and OSHA guidelines for information on allowable personal exposure levels, proper respiratory protection and handling recommendations. If there is a risk of arc or flash, technicians MUST put on all necessary Personal Protective Equipment (PPE) in accordance with NFPA70E for arc/flash protection PRIOR to servicing the unit. Failure to follow recommendations could result in death or serious injury.

WARNING

Follow EHS Policies!
Failure to follow instructions below could result in death or serious injury.

- All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.
- Non-Trane personnel should always follow local regulations.

Inspection

Compare the order number on the shipping label with the accessory identification information on the ordering and shipping documents to verify that the correct accessory has been received.

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Warnings, Cautions, and Notices

Read this manual thoroughly before operating or servicing this unit. Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

- WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- CAUTION** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert
- NOTICE** Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants-including industry replacements for CFCs such as HCFCs and HFCs.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

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General

This installation guide describes installation procedure required to properly install the adapter curb. Each adapter curb package ships with the required gasketing material. Sheet metal screws must be furnished by the installing contractor.

Note: Do not add any combustible, or other material that does not comply with UL 1995 standards.

Model Number	Used With ^(a)	On Roof Curbs	Replacing
BAYQACB500*	T/YSC036-060G, T/YHC036E, T/YHC037E, T/YZC036E, WSC036-048H, D/WHC036H	Carrier PN - CRRFCURB01A01	Carrier48HJ* 004-007
BAYQACB501*	T/YSC072-120E/F/H, T/YHC047-074E/F, T/YZC048-072, WSC072-090E, WSC060-120H, D/WHC048-102H	Carrier PN - CRRFCURB01A01	Carrier48HJ* 004-007
BAYQACB502*	T/YSC072-120E/F/H, T/YHC047-090E/F, T/YHC092-102F, T/YZC048-102, WSC072-120E, WSC060H-120, D/WHC048-102H, T/YHC092-120E ^(b) , T/YHC120F ^(b) , T/YZC120 ^(b) , WSC120E ^(b) , WHC120H ^(b)	Carrier PN - CRRFCURB03A01	Carrier48HJ* 008-012

(a) Through-the-base options (TBUE and TBUG) are not compatible with use of this roof curb adapter.

(b) These units are constructed with a larger footprint (digit 30 = E). Special attention should be made to ensure correct installation. Refer to unit IOM manual for proper placement of HVAC unit to adapter.

Table 1. Static drop through adapter

BAYQACB 500*	CFM	ΔP	BAYQACB 501*	CFM	ΔP	BAYQACB 502*	CFM	ΔP
	960	0.035		1200	0.047		1920	0.123
	1080	0.069		1320	0.153		2160	0.145
	1200	0.095		1440	0.252		2400	0.167
	1320	0.114		1520	0.314		2640	0.189
	1440	0.129		1600	0.375		2700	0.195

Table 1. Static drop through adapter (continued)

BAYQACB 500*	CFM	ΔP	BAYQACB 501*	CFM	ΔP	BAYQACB 502*	CFM	ΔP
	1520	0.137		1700	0.447		2880	0.212
	1600	0.145		1800	0.517		3000	0.225
	1700	0.155		1900	0.584		3200	0.248
	1800	0.165		1920	0.598		3300	0.260
	1900	0.178		2000	0.651		3600	0.302
	2000	0.194		2100	0.716		4000	0.372
	2100	0.214		2160	0.756		4400	0.463
	2200	0.239		2200	0.782		4800	0.580
	2300	0.271		2300	0.848			
	2400	0.311		2400	0.916			
				2640	1.086			
				2880	1.276			

Installation

WARNING

Curb Failure!

Failure to follow these requirements could result in death, serious injury, and property damage. Do not make any structural modifications, alterations or additions to the Quick Adapt Roof Curb. Doing so could cause the curb to collapse upon unit installation.

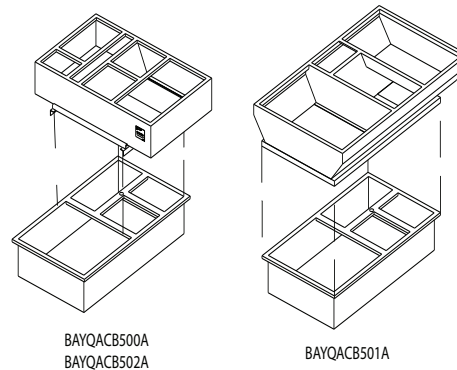
WARNING

Proper Adapter Curb Placement Required!

Failure to follow recommendations could result in death or serious injury. Use extreme caution when lifting and placing the unit on top of the curb. Ensure the adapter curb is sitting correctly on top of the existing curb before placing the unit on top of it. The adapter curb is not yet secured and could collapse under the unit weight resulting in the unit falling off the curb. Remain at a safe distance from the curb while the unit is put in place.

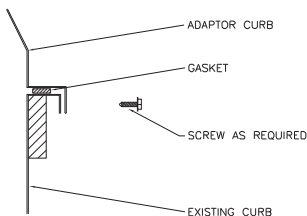
1. Remove existing unit.
 2. Remove gasket or other sealer from existing curb.
 3. Verify that the existing duct supports are flush with the top of the curb.
- Note:** If duct supports are below the top of the curb, extend them to be flush with the top using field supplied materials.
4. Place new gasket, supplied with the adapter curb on top of the existing curb and duct supports.
 5. Place the duct transition section of the adapter curb on top of the existing curb.

Figure 1. Curb installation



6. Verify that all duct transitions are sealed between the existing curb and the adapter curb.
7. Place the new gasket (supplied in kit) on top of the adapter curb and around duct transitions.
8. Place new unit on top of the adapter curb.
9. Securely fasten adapter curb to existing curb through perimeter flange. Use field supplied screws as required by job conditions.

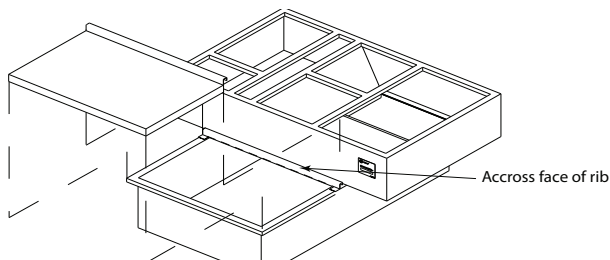
Figure 2. Fasten adapter



For BAYQACB501* skip to Step 15.

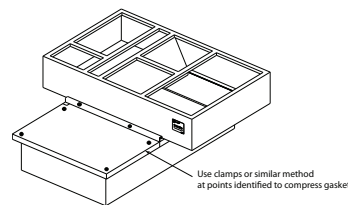
10. Place gasket material to transition duct section to areas shown in Figure 3.
11. Place the cub cover section of the adapter curb on the existing curb as shown in clamp cover section to roof curb and duct transition section to compress gasket.

Figure 3. Curb cover



12. Clamp cover section to roof curb and duct transition section to compress gasket. See Figure 4.

Figure 4. Curb cover in place



13. Securely fasten curb cover section of adapter curb to existing curb through perimeter flange. Use field supplied screws as required by job conditions. See Figure 2.
14. Remove any clamps or devices used in Step 12 to compress gasket.

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