

Installation Instructions

Carrier Replacement Conversion Kit

Foundation™ Packaged Rooftop Units

15 to 25 Tons

Model Number: BAYCARR001*
Used With: E/GCC180-300

 **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.

4

Inspection

Check carefully for shipping damage. If any damage is found, report it immediately, and file a claim against the transportation company.

Parts List

Table 1. Parts list

Quantity	Description
4	Duct alignment brackets
—	Screws

General




Read these instructions and become familiar with the four duct alignment bracket assemblies before installation. There are two bracket assemblies for the left side and two for the right side shown in [Figure 1](#) and [Figure 2](#). The footprint of the unit is wider and longer than the roof curb. The duct alignment brackets provide the required clearance (0.25 inches) to the roof curb. The installation requires the brackets to be connected to the base, so access to the base is required. It is recommended to do the installation with the unit supported on blocks at corners at least 6 inches high from the ground.

1

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 against unsafe practices.
-  **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.

2

Warnings

 **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/national electrical codes.


 **WARNING**

Personal Protective Equipment (PPE) Required!
Failure to wear proper PPE for the job being undertaken could result in death or serious injury. Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, **MUST** follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- Before installing/servicing this unit, technicians **MUST** put on all PPE required for the work being undertaken (Examples; cut resistant gloves/sleeves, butyl gloves, safety glasses, hard hat/bump cap, fall protection, electrical PPE and arc flash clothing). **ALWAYS** refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.
- When working with or around hazardous chemicals, **ALWAYS** refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labeling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.
- If there is a risk of energized electrical contact, arc, or flash, technicians **MUST** put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, **PRIOR** to servicing the unit. **NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**

3

Warnings

 **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.

Copyright

This document and the information in it are the property of Trane, and may not be used or reproduced in whole or in part without written permission. Trane reserves the right to revise this publication at any time, and to make changes to its content without obligation to notify any person of such revision or change.

Trademarks

All trademarks referenced in this document are the trademarks of their respective owners.

Revision History

Model number update in Used With information.

5

Figure 1. Left side alignment bracket assembly

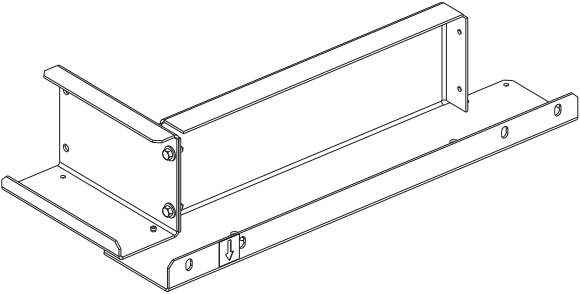
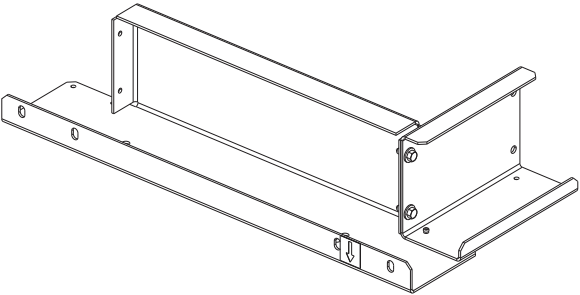


Figure 2. Right side alignment bracket assembly

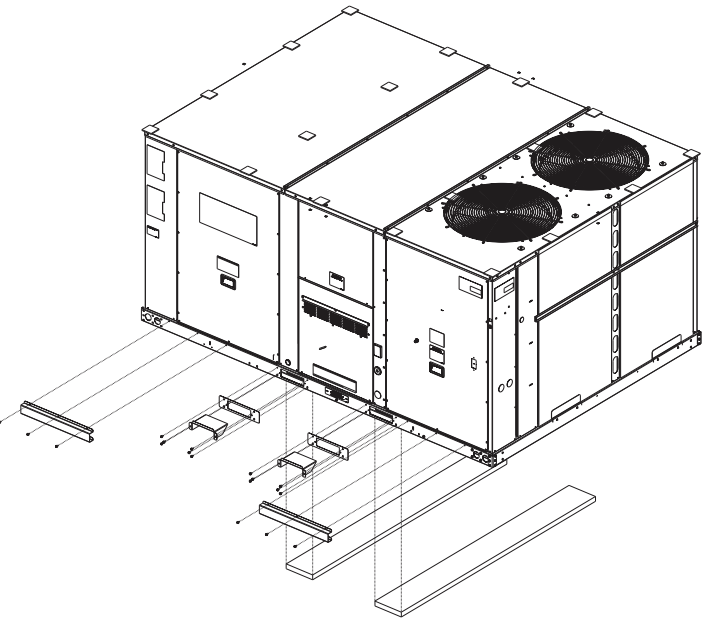


6

Installation

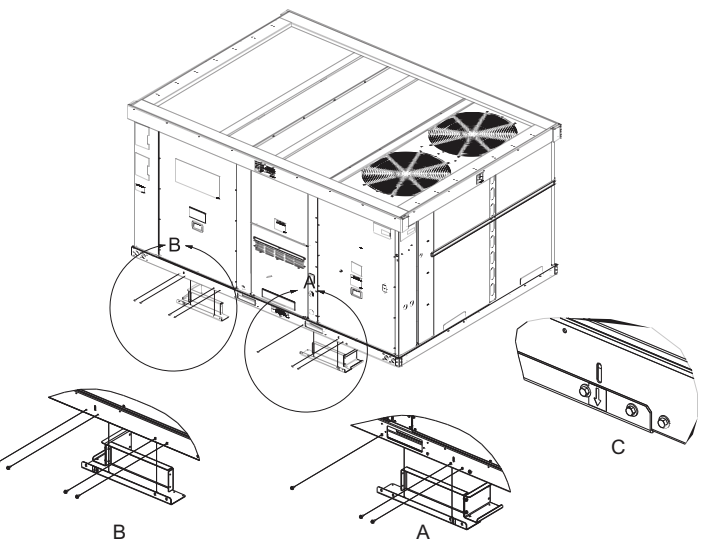
- Remove the fork bracket, front base plate, base board and the base shipping bracket as shown in [Figure 3](#). These parts can be discarded.

Figure 3. Remove parts



- 7
- Install the four duct alignment brackets as illustrated on [Figure 4](#) (details A and B). Align the label located on the brackets with the slots on the base rail, as illustrated in [Figure 4](#), detail C. The brackets on the right side use three screws and the ones on the left side use four screws.

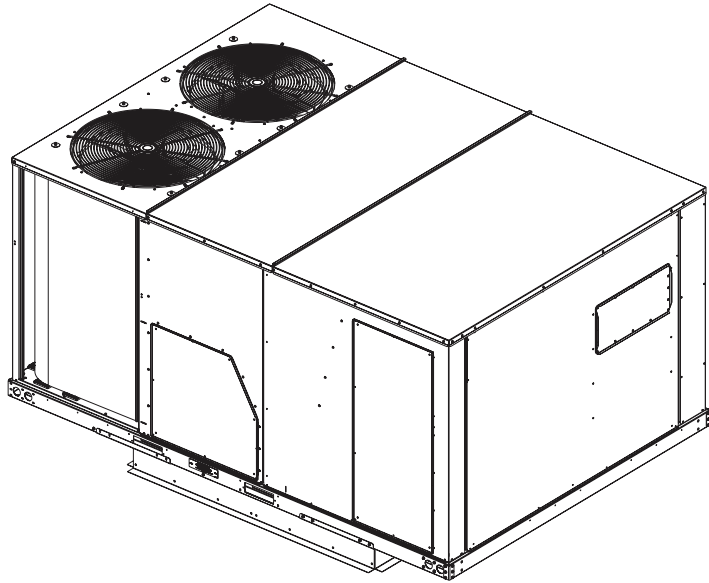
Figure 4. Install four duct alignment brackets



8

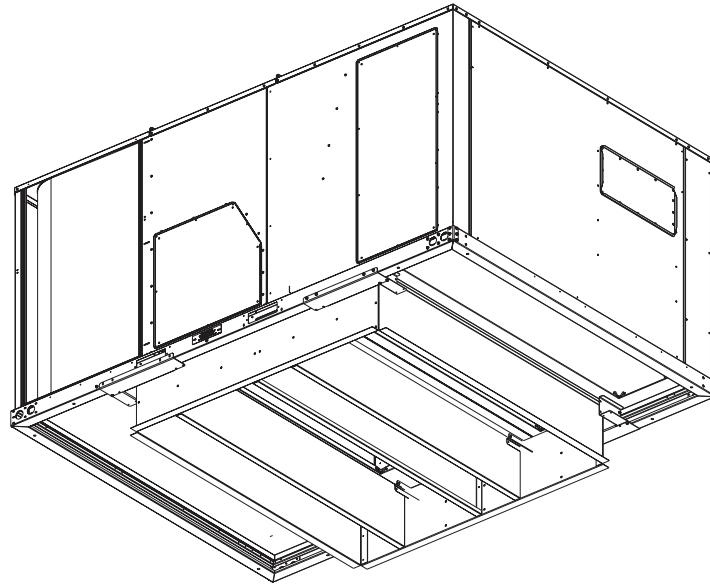
3. Follow the instructions in the IOM for unit rigging. Use the installed brackets for alignment when installing the unit on the curb. The unit tends to tilt on the compressor end (refer to IOM for center of gravity information). Use that end to align the curb alignment brackets with the curb.
4. [Figure 5](#) and [Figure 6](#) show different views of the unit installed on the roof curb. [Figure 7](#) shows the cross section of the duct alignment bracket and the roof curb.

Figure 5. Unit on roof curb (top view)



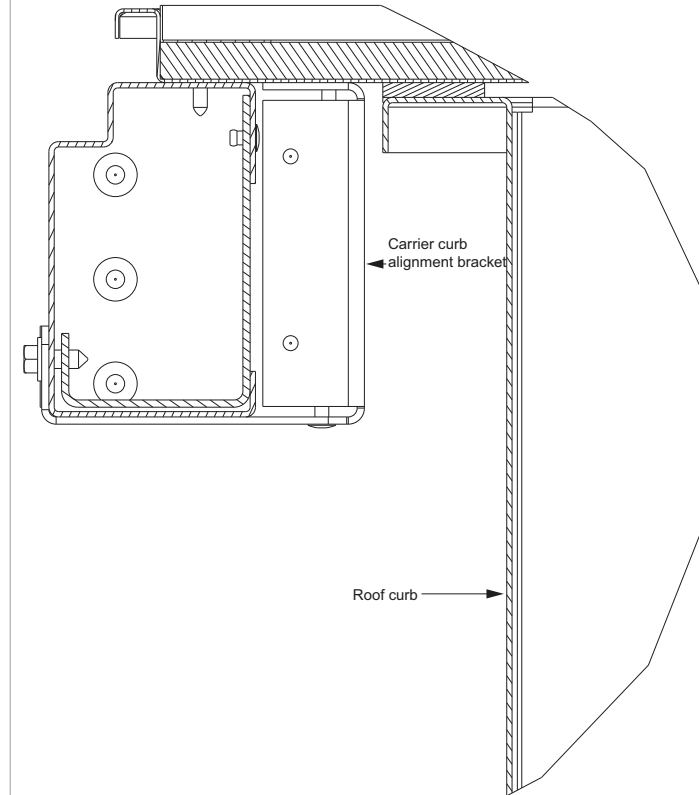
9

Figure 6. Unit on roof curb (bottom view)



10

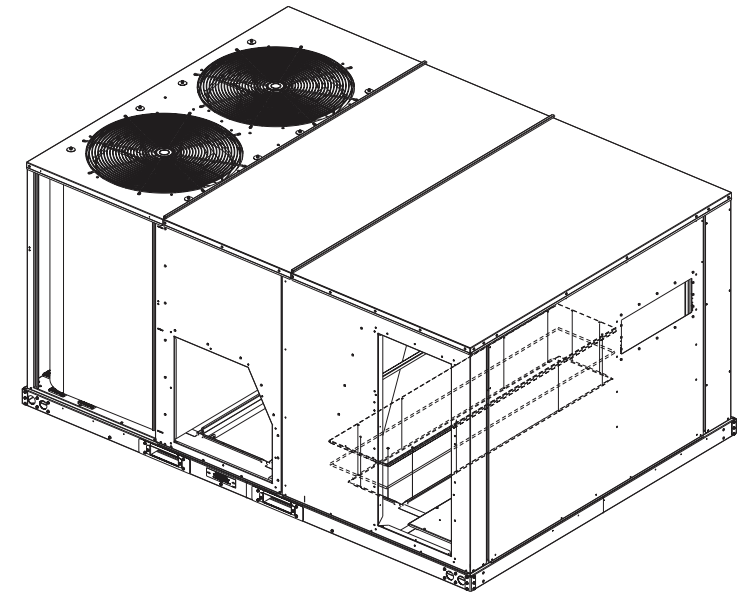
Figure 7. Cross section of the alignment bracket and roof curb



11

5. Remove the horizontal return duct cover panel and filter access panel to gain access to the return duct cover. Move the return duct cover from one duct opening to the other. See [Figure 8](#).

Figure 8. Switch return duct cover panel to carrier configuration



6. Replace the horizontal return duct cover panel and filter access panel.

Trane and American Standard create comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or americanstandardair.com.

Trane and American Standard have a policy of continuous product and product data improvement and reserve the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

ACC-SVN160D-EN 03 Dec 2022
Supersedes ACC-SVN160C-EN (Apr 2020)

©2022