

Installation Instructions

Barometric Relief Damper

Foundation™ Packaged Rooftop Units

3 to 5 Tons

Model Number:
BAYBARO320*

Used With:
E/GB*036-060
E/GD*036-060

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.

August 2024

ACC-SVN198D-EN

Introduction

Read this manual thoroughly before operating or servicing this unit.

Warnings, Cautions, and Notices

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.

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.

⚠ 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.**

⚠ 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.

⚠ WARNING

R-454B Flammable A2L Refrigerant!

Failure to use proper equipment or components as described below could result in equipment failure, and possibly fire, which could result in death, serious injury, or equipment damage.

The equipment described in this manual uses R-454B refrigerant which is flammable (A2L). Use ONLY R-454B rated service equipment and components. For specific handling concerns with R-454B, contact your local representative.

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General Information

Inspection

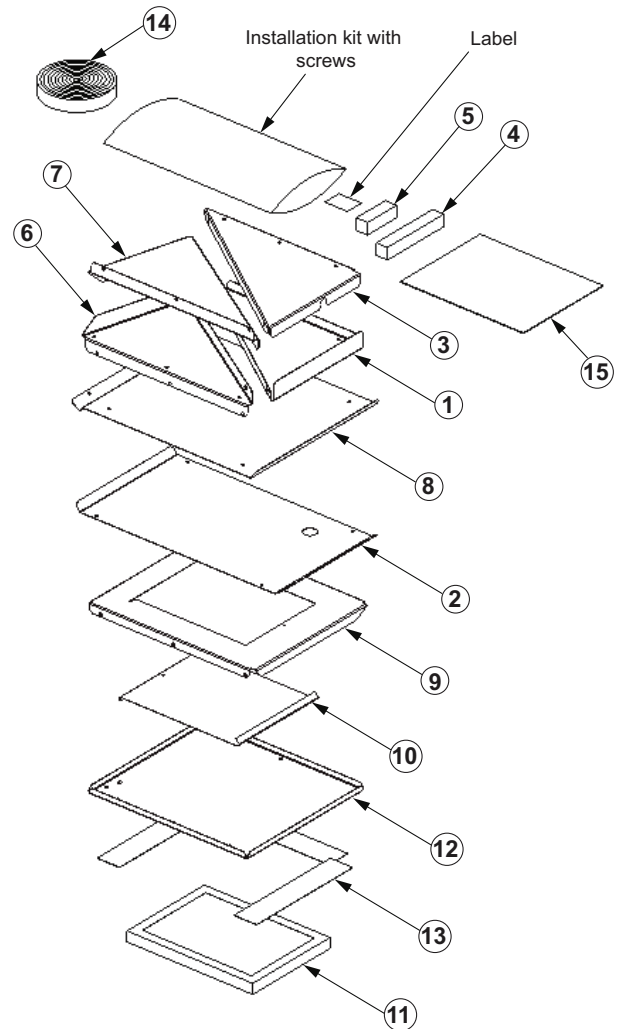
1. Check carefully for shipping damage. If any damage is found, report it immediately, and file a claim against the transportation company. Replace damaged parts with authorized parts only.
2. Compare the order number on the shipping label with the accessory identification information on the ordering and shipping documents to verify that the correct accessory has been received.

Parts List

Table 1. Parts list

Item Number	Description	Qty
1, 2, 3, 4, 5	Internal hood parts	1
6, 7, 8, 9, 10, 11	Outer hood parts	1
12	Insulated, top block-off panel	1
14	Roll of gasket	1
Installation bag containing:		
15	Installation Instructions	1
11	Kit installed label (field installed kit only)	1
4, 5	1-inch x 1-inch x 6-inch gasket	2
	3/4-inch long #10 Screws	35

Figure 1. Parts (field installed kit)



Installation

⚠ WARNING

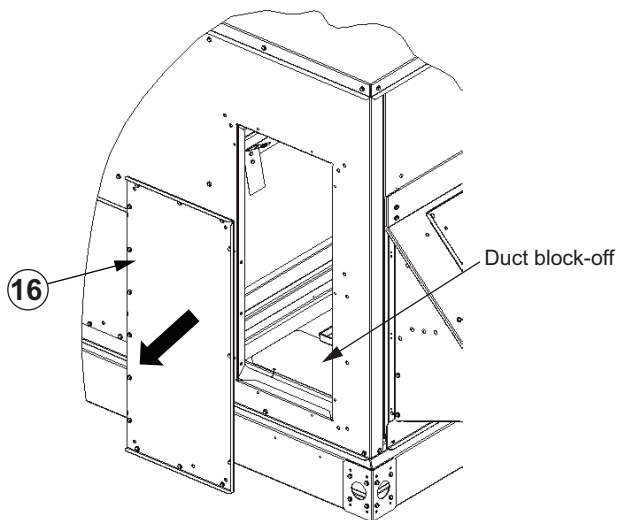
Hazardous Service Procedures!

Failure to follow all precautions in this manual and on the tags, stickers, and labels 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 following instructions: Unless specified otherwise, disconnect all electrical power including remote disconnect and discharge all energy storing devices such as capacitors before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. When necessary to work with live electrical components, have a qualified licensed electrician or other individual who has been trained in handling live electrical components perform these tasks.

1. Remove horizontal access panel (item 16) and duct block-off from the unit.

Figure 2. Remove horizontal access panel



2. Remove packaging material and parts from box.
3. Build internal hood assembly (See [Figure 3, p. 5](#)):
 - a. Attach 2 to 1 and 3 using four screws.
 - b. Apply gasket 4 and 5 to 1 and 3 respectively as shown in [Figure 4, p. 5](#).

Figure 3. Internal hood assembly

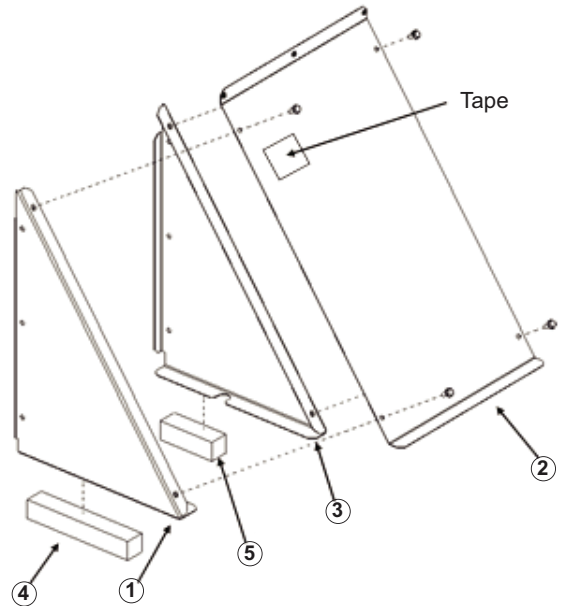
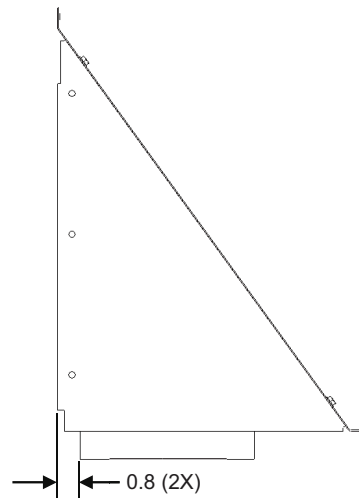


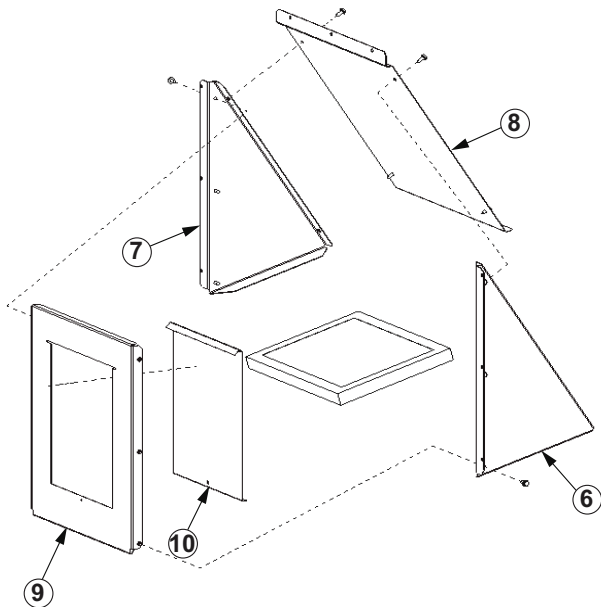
Figure 4. Bottom gasket installation



4. Build outer hood assembly as shown in [Figure 5, p. 6](#):
 - a. Insert 10 through notch of 9.
 - b. Attach 6 and 7 to LH and RH of 9 using six screws.
 - c. Place 11 on the bottom flanges of 6 and 7.
 - d. Attach 8 to 6 and 7 using four screws.

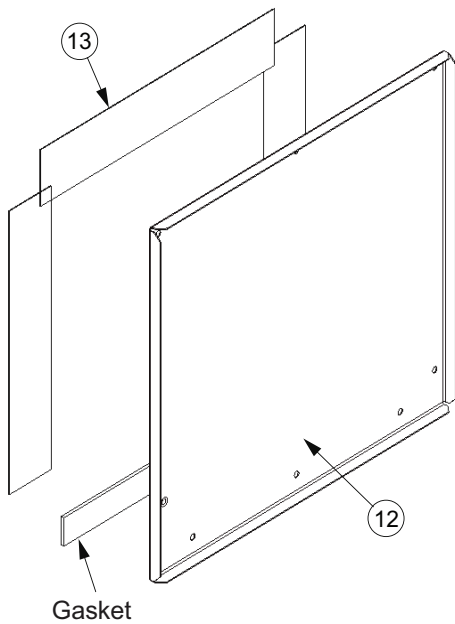
Installation

Figure 5. Outer hood assembly



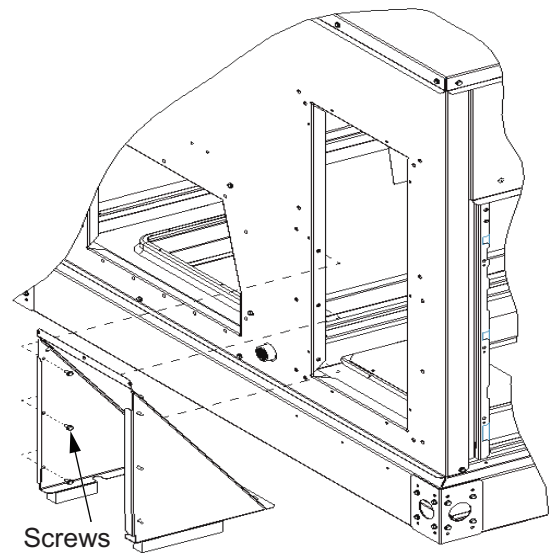
5. Build top block off assembly as shown in [Figure 6, p. 6](#):
 - a. Apply gasket 14 to the bottom of 12.
 - b. Apply 13 to prevent insulation from coming off.

Figure 6. Top block-off assembly



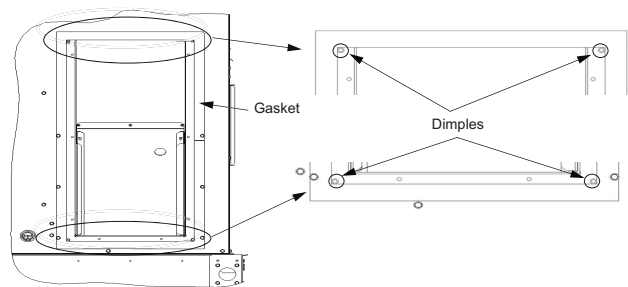
6. Using six screws secure the internal hood assembly built in [Step 3](#) to side flanges of return opening. See [Figure 7, p. 6](#).

Figure 7. Attach internal hood assembly to unit



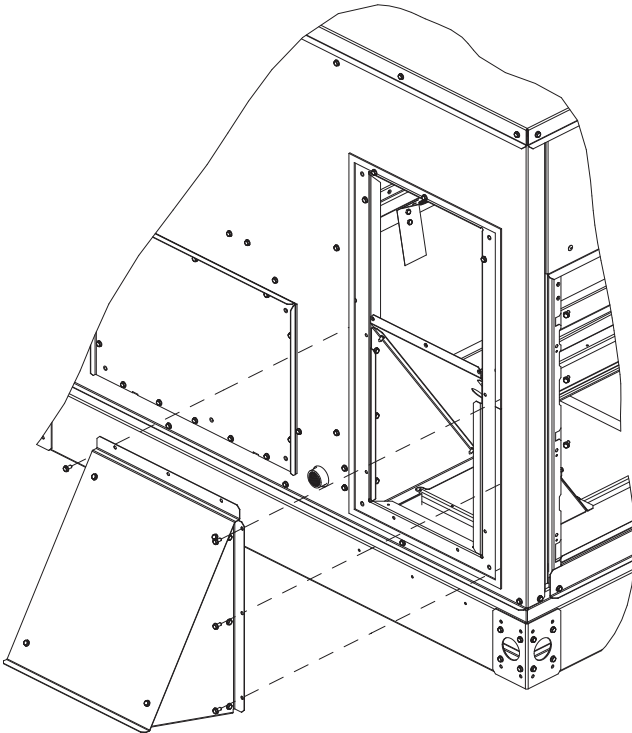
7. Apply gasket 14 to return opening around the dimples as shown in [Figure 8, p. 6](#)

Figure 8. Apply gasket



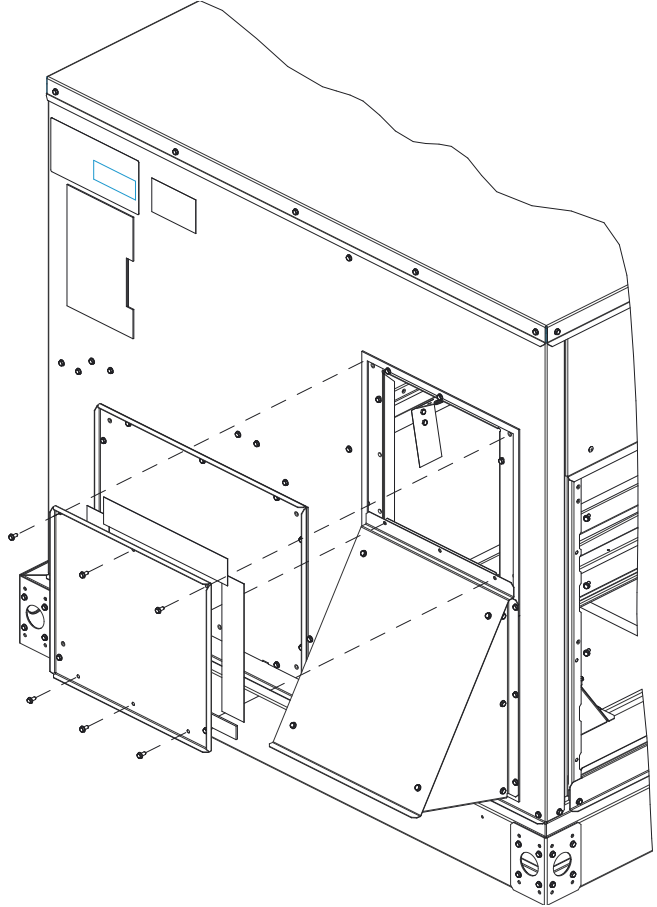
8. Attach outer hood assembly built in [Step 4](#) to unit using six screws as shown in [Figure 9, p. 7](#).

Figure 9. Attach outer hood assembly to unit



9. Attach top block-off assembly built in [Step 5](#) to unit using six screws. See [Figure 10, p. 7](#).

Figure 10. Attach top block-off assembly



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