

Installation Instructions

Barometric Relief Damper Packaged Rooftop Units

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| Model Number: | Used With: |
| BAYBARM010* | Precedent™ B or F cabinet (digit 30 = B/F) T/YSC060EDK, T/YZC036E*R, T/YHC036E*R, T/YHC037E*R, WSC060EDK, WSC060EDR, T/YSC036-060G*R, WSC036-048H, D/WHC036H |
| BAYBARM011* | Precedent™ C, D or E cabinet (digit 30 = C/D/E) T/YSC072-120F/H*R, T/YSC072-120EDK, T/YHC047-067E*R, T/YHC072-120E/F*R, T/YZC048-120E/F*R, WSC072-120E*R, WSC072-090BDK, T/YHC048-060F*R, 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.

April 2020

ACC-SVN52Q-EN

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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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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.

Model Number Description

All products are identified by a multiple-character model number that precisely identifies a particular type of unit. Its use will enable the owner/operator, installing contractors, and service engineers to define the operation, specific components, and other options for any specific unit. When ordering replacement parts or requesting service, be sure to refer to the specific model number and serial number printed on the unit nameplate.

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Parts List

- 1 - Barometric Relief Hood
- 1 - Duct Cover with Barometric Relief Cutout
- 1 - Barometric Relief Blade
- 1 - Mist Eliminator
- 1 - Rain Shield
- (8)¹ or (9)² - Screws (B or F Cabinet, digit 30=B/F)
- (10)¹ or (11)² - Screws (C, D or E Cabinet, digit 30=C/D/E)

Unpacking/Assembling Damper Shipped with Unit

Note: This instruction covers installation of BAYBARM010* and BAYBARM011*.

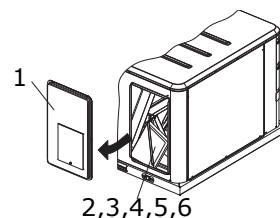
WARNING

Hazardous Voltage!

Failure to disconnect power before servicing could result in death or serious injury. Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized.

- See Figure 1 through Figure 7.
- Remove 1 and pull off the clear film covering it.
- Remove the packaged assembly of 2, 3, 4, 5, and 6.

Figure 1. Accessing components in storage location

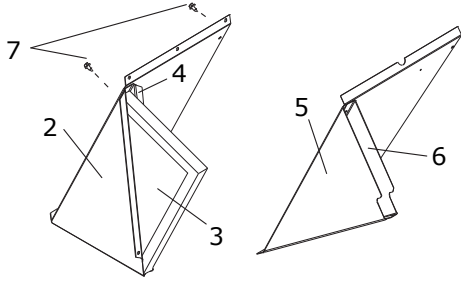


- Barometric Relief Damper shipped with unit.
- Barometric Relief Damper accessory kit

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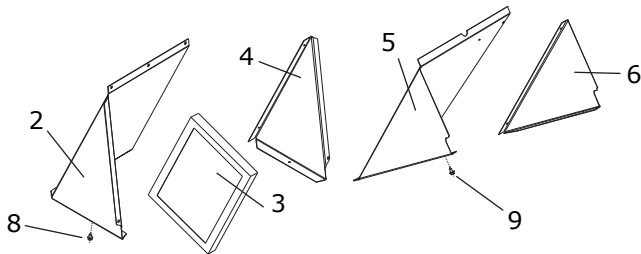
4. Remove the two screws 7 that hold 2,3, and 4 to 5 and 6.

Figure 2. Removing the two screws



5. Remove the screw 8 holding 2,3, and 4 together.
6. Remove the screw 9 holding 5 and 6 together.

Figure 3. Remove individual screws

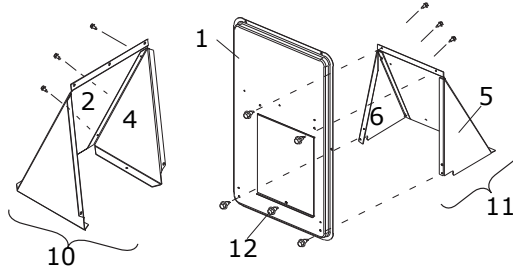


7. Attach 2 to 4, and 5 to 6. The results are the assembled rain shield 10 and internal hood 11 shown in [Figure 4](#).
• Use two screws for (T/W/YSC033-063, T/YHC037E except WSC060H, D/WHC048-060H units).

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• Use three screws for (T/YHC047-067E, T/YHC048-060F, WSC060-120H, D/WHC048-120H, T/W/Y072-120 units).
8. Remove screw 12.
9. Attach 11 to 1 as shown.

Figure 4. Rain shield/Internal hood



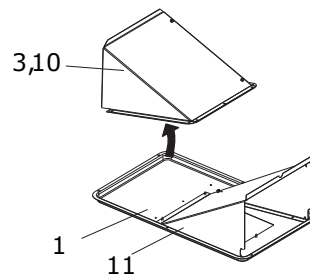
Unpacking/Assembling Damper Shipped Separately

Note: This instruction covers installation of BAYBARM010* and BAYBARM011*.

See [Figure 5](#) and [Figure 6](#).

1. Separate 10 (and 3) from the assembly of 1 and 11.

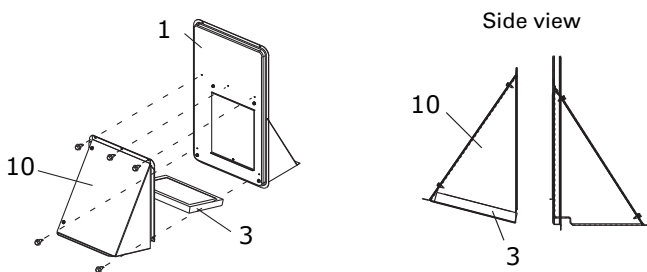
Figure 5. Damper assembly



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2. Insert 3 in to 10 and make sure that 3 is properly seated.
3. Attach 10 to 1 as shown.

Figure 6. Side view of damper assembly



Install Damper Into Unit

⚠ WARNING

Hazardous Voltage!

Failure to disconnect power before servicing could result in death or serious injury. Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized.

Important: If there is an economizer:

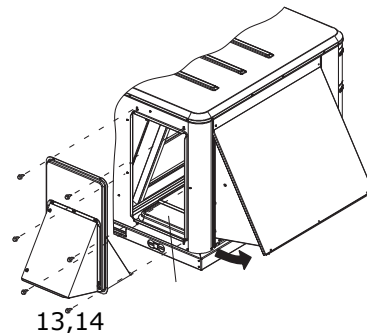
- There may be a duct blockoff plate already installed or ready to be installed in the opening 13. The blockoff plate must be removed if a barometric relief damper is used. Remove it or do not install it.
- Make sure the economizer is in the open position 14 before installing the barometric relief damper.

See [Figure 7](#).

1. If necessary, remove the existing duct cover from the unit.
2. Attach the assembly to the unit using six screws.

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Figure 7. Duct blockoff plate



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