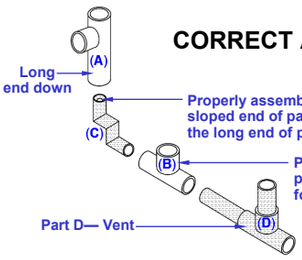
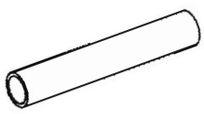
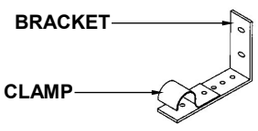
# *INSTALLATION INSTRUCTIONS*

**CostGard™** Condensate Drain Seal
RTU SYSTEM KIT MODEL# **CWC-014-030-77**

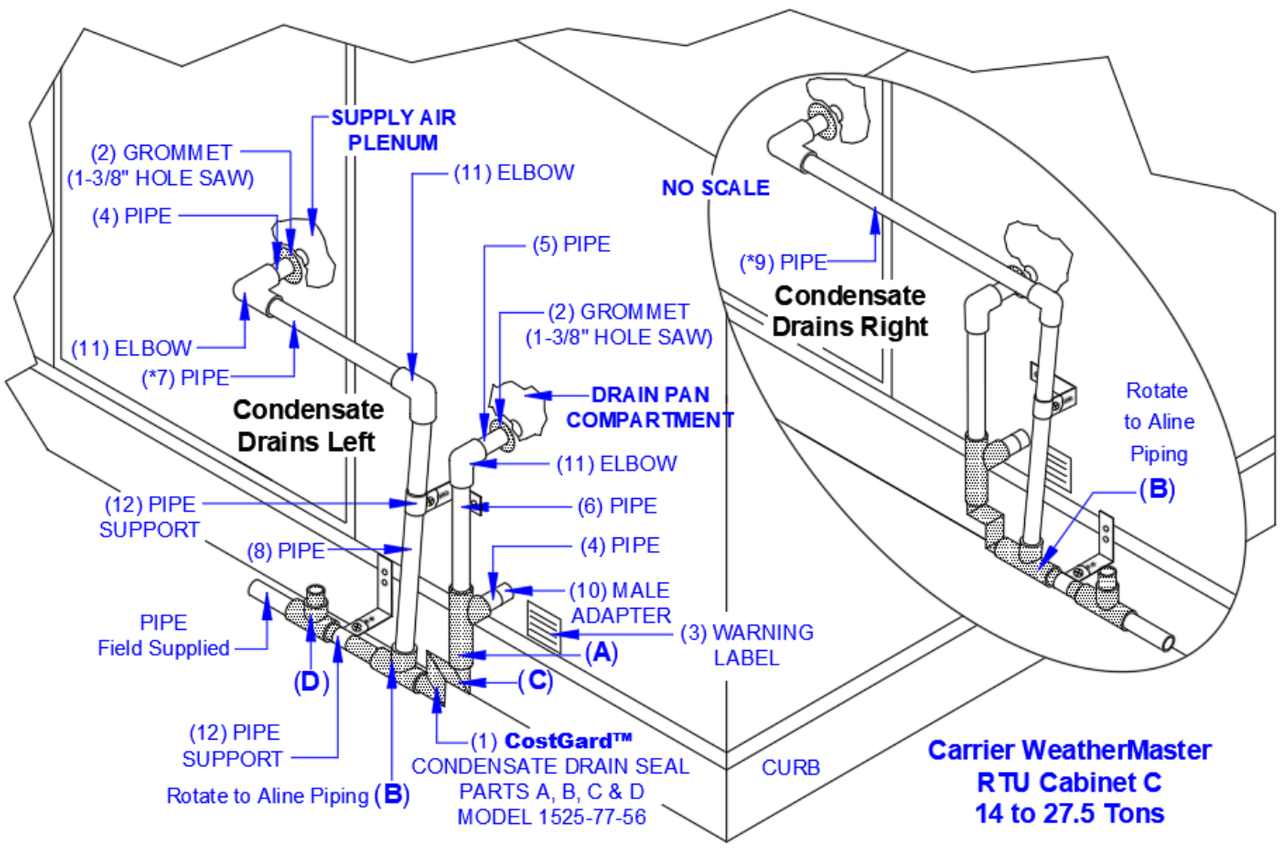
**NO TRAP REQUIRED**

| **CARRIER WeatherMaster RTU—C CABINET**<br>3/4" Drain – 14 TO 27.5 TON – 0-014-030 | | |
|---|---|---|
| 48/50F HC/TC | 017-030 | 15 to 27.5 Ton |
| 48/50 LC | 014-026 | 12.5 to 23 Ton |

## *PARTS LIST*

| Identification Symbol & Description | Part # | Qty | Part Name and/or Size |
|---|---|---|---|
|  **CORRECT ASSEMBLY** | 1 | 1 | **CostGard™ Condensate Drain Seal**<br>**Parts A, B, C & D** |
|  | 2 | 2 | **GROMMET – FOR 3/4 INCH PIPE PN. 2277** |
|  | 3 | 1 | **WARNING LABEL & INSTALLATION INSTRUCTIONS** |
|  **SCHEDULE 40 UV STABILIZED PVC PIPE** | 4<br>5<br>6<br>*7<br>8<br>*9 | 2<br>1<br>1<br>1<br>1<br>1 | **3/4 INCH PIPE—2-1/4 INCHES LONG**<br>**3/4 INCH PIPE—3-1/2 INCHES LONG**<br>**3/4 INCH PIPE—8-1/2 INCHES LONG**<br>**3/4 INCH PIPE—11-1/8 INCHES LONG**<br>**3/4 INCH PIPE—17-1/4 INCHES LONG**<br>**3/4 INCH PIPE—19-1/8 INCHES LONG**<br>***PIPING FOR DRAINING, LEFT #7 AND RIGHT #9** |
|  **SCHEDULE 40 UV STABILIZED PVC ADAPTER** (MIPT X SLIP) | 10 | 1 | **3/4 INCH MALE ADAPTER** |
|  **SCHEDULE 40 UV STABILIZED PVC 90° ELBOW** (SLIP X SLIP) | 11 | 3 | **3/4 INCH ELBOWS** |
|  **PIPE SUPPORT** (requires screws listed below) | 12 | 2<br>2 | **3/4 INCH CLAMPS**<br>**STEEL BRACKET - PIPE SUPPORTS #108** |
|  **SELF TAPPING SCREWS** | 13 | 7 | **#10-16 X 3/4" SELF TAPPING SCREWS** |

*NOTE: Pipe #7is used where condensate drains LEFT. Pipe #9 is used where condensate drains RIGHT.




Part numbers defined on parts list above. All pipes are numbered.



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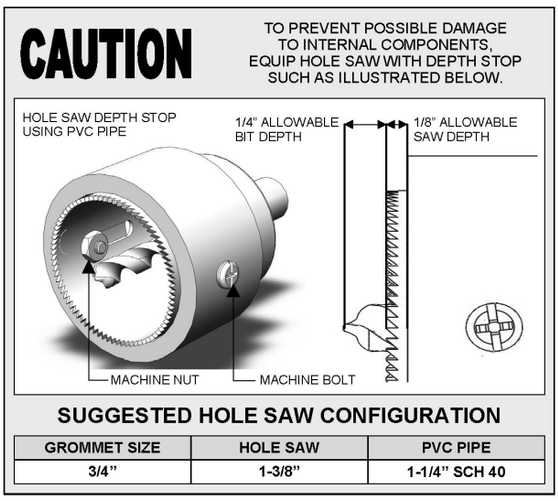
This kit includes all necessary components for installing the CostGard™ Condensate Drain Seal on Carrier WeatherMaster Cabinet C, 14 to 27.5 Ton RTU units. The components provided are listed on the back of this page.

**INSTALLATION**

**Step 1:** Open packages to check for missing or damaged parts. In case of discrepancies notify Trent Technologies, immediately.

**Step 2:** Identify the hole locations in the panels where installation pipes are to be connected, see Points A and B in the photographs to the right. If the HVAC unit is "CostGard™ Ready," the proper hole sizes are precut and protected with a removable cover. In this case, remove the covers and proceed to Step 4. Otherwise continue to Step 3.

**Step 3:** For units not "CostGard™ Ready," use a 1-3/8" hole saw and cut holes in the panels at the locations defined by the dimensions in Figure 1 to the right at points **A** and **B**.




**SUGGESTED HOLE SAW CONFIGURATION**

| GROMMET SIZE | HOLE SAW | PVC PIPE |
|---|---|---|
| 3/4" | 1-3/8" | 1-1/4" SCH 40 |

**Step 4:** Install grommets provided, in holes.

**Step 5:** Assemble the other components as illustrated on the back of this page and perform a dry fit of all parts. Please note that Parts "A," "B," "C," and "D" of the CostGard™ Condensate Drain Seal are not bonded. This design allows rotation to route condensate drainage either to the left or to the right and attaching the air supply piping.

Figure 2 shows the condensate draining to the left. To drain it to the right, simply rotate Part "C" of the CostGard™ Condensate Drain Seal to the right and use Pipe (#9) instead of Pipe (#7), as illustrated on the back of this page.

Once all components are assembled and the pipe is installed, attach the supports and ensure that each connecting joint is bonded securely with PVC cement.

**Step 7:** SYSTEM CHECK OUT

Check system operation as described in the Checkout Procedure below.

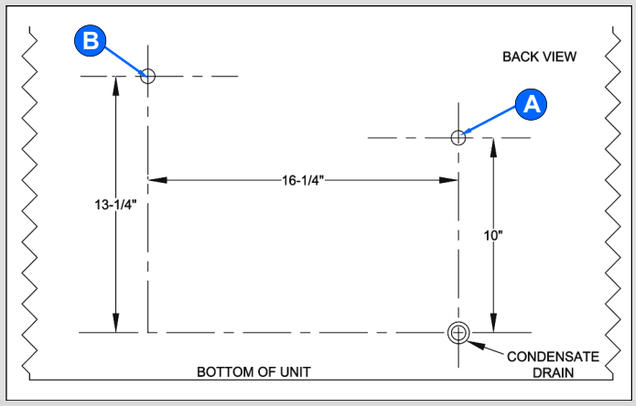



FIGURE 1 HOLE LOCATIONS - CWC

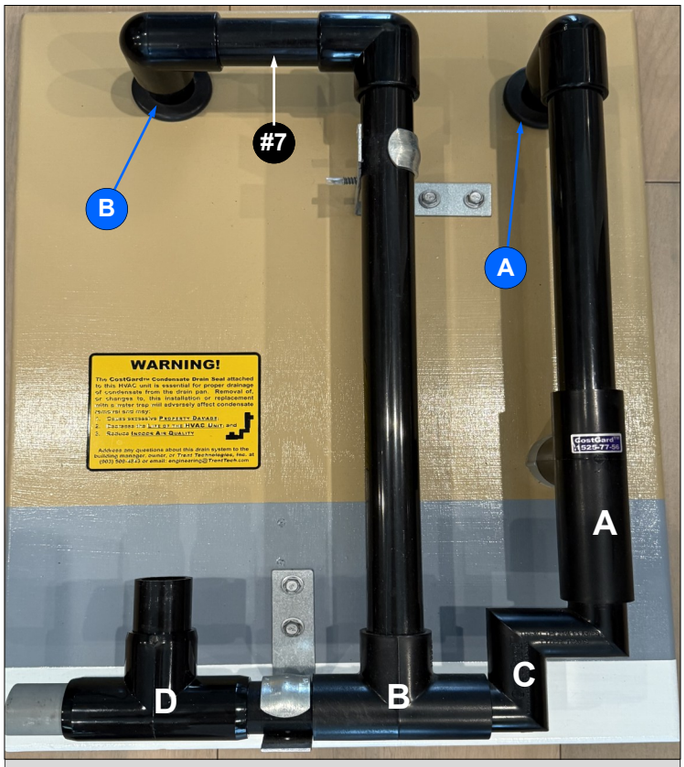



FIGURE 2 EXAMPLE: LEFT DRANING INSTALLATION

Contact Trent Technologies with questions regarding this installation.

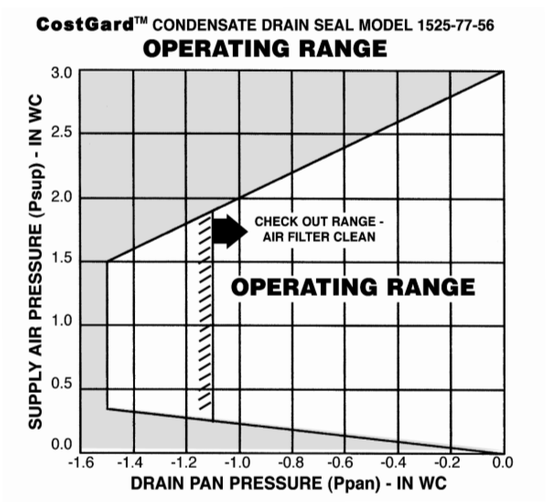
## CHECKOUT PROCEDURE

With the system operating, make the following measurements:

(1) Static pressure in the drain pan compartment, Point A.

(2) Static pressure in the supply air plenum, Point B.

If these pressure values fall within "checkout range-air filter clean," defined on the chart to the right, the system will operate properly. And, it will operate properly when the filter is dirty and ready to be changed (.50 inch wc pressure loss). If the measured pressures are not within the defined operating range, it may still be possible to use the CostGard™ Condensate Drain Seal Model 1525-77-56. Contact Trent Technologies for resolution.



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