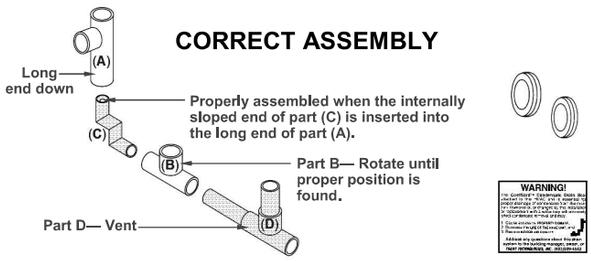
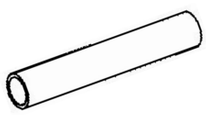
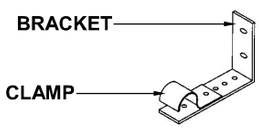
INSTALLATION INSTRUCTIONS

CostGard™ Condensate Drain Seal
RTU SYSTEM KIT MODEL# **CWA-003-016-77**

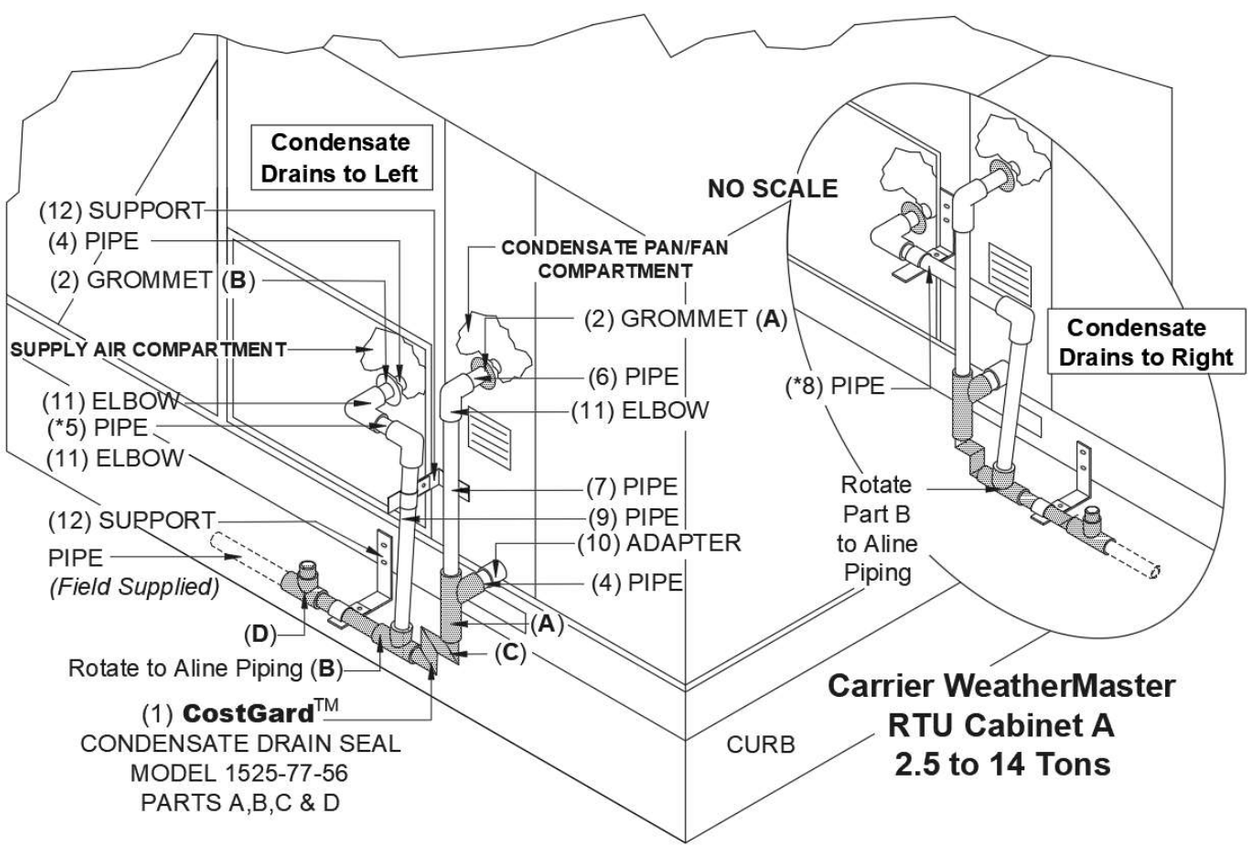
NO TRAP REQUIRED

CARRIER WeatherMaster RTU—A CABINET 3/4" Drain – 2.5 TO 14 TONS – 003-016			
48/50FC 004-007	48/50KC 004-006	48/50 GE 008-014	48/50HJ 004-014
48/50GC 004-006	48/50LC 004-012	48/50HC 004-014	48/50TF 004-014
48/50HE 003-006	48/50TC 004-016	48/50TM 004-014	CWA-003-016-77

PARTS LIST

Identification Symbol & Description	Part #	Qty	Part Name and/or Size
	1	1	**CostGard™** Condensate Drain Seal 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 *5 6 7 *8 9	2 1 1 1 1 1	3/4 INCH PIPE—2-1/4 INCHES LONG 3/4 INCH PIPE—2-1/2 INCHES LONG 3/4 INCH PIPE—3-1/2 INCHES LONG 3/4 INCH PIPE—8-1/2 INCHES LONG 3/4 INCH PIPE—10-1/2 INCHES LONG 3/4 INCH PIPE—11-3/4 INCHES LONG *PIPING FOR LEFT OR RIGHT DRAINAGE
 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 2	3/4 INCH CLAMPS STEEL BRACKET - PIPE SUPPORTS #108
 SELF TAPPING SCREWS	13	7	#10-16 X 3/4" SELF TAPPING SCREWS

*NOTE: Pipe #5 is used where condensate drains LEFT. Pipe #8 is used where condensate drains RIGHT.



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

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48/50HE 003-006	48/50TC 004-016	48/50TM 004-014	CWA-003-016-77

This kit includes all necessary components for installing the CostGard™ Condensate Drain Seal on Carrier WeatherMaster Cabinet A, 2.5 to 14 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**.

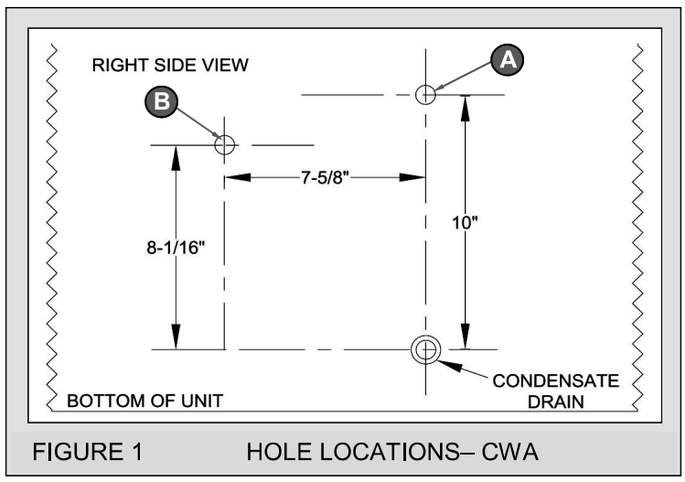
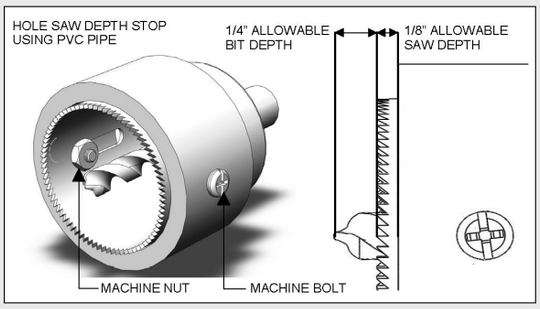


FIGURE 1 HOLE LOCATIONS– CWA

CAUTION

TO PREVENT POSSIBLE DAMAGE TO INTERNAL COMPONENTS, EQUIP HOLE SAW WITH DEPTH STOP SUCH AS ILLUSTRATED BELOW.



SUGGESTED HOLE SAW CONFIGURATION

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

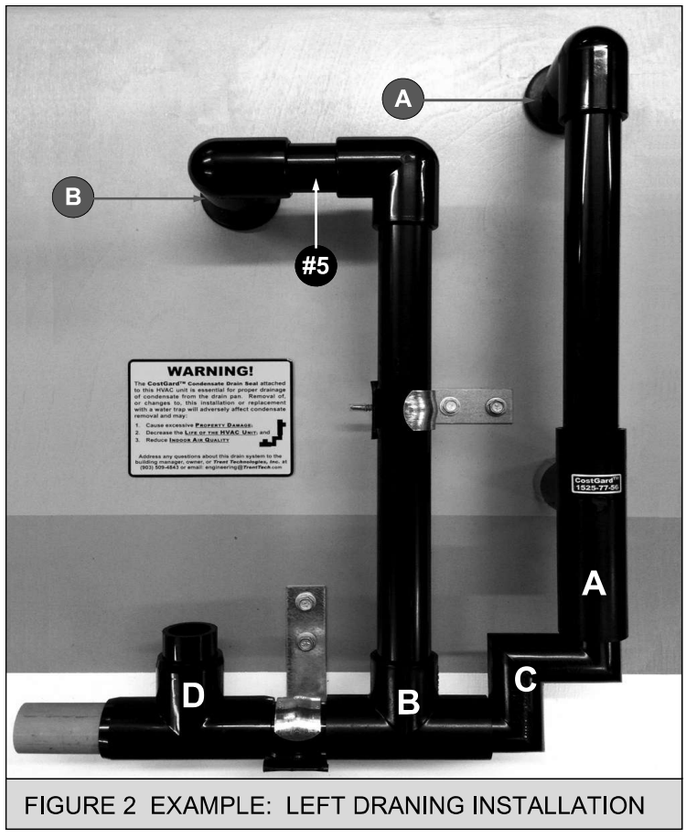


FIGURE 2 EXAMPLE: LEFT DRANING INSTALLATION

Step 4: Install grommets provided, in holes.

Step 5: Assemble the other components as illustrated on the back of this page, and dry fit all parts together. Note that Parts "A", "B", "C", and "D" of the CostGard™ Condensate Drain Seal are not bonded. This allows rotation for routing, draining condensate to either the left or the right, and attaching the air supply piping.

Figure 2 shows the condensate draining to the left. For drainage to the right, rotate part "C" of the CostGard™ Condensate Drain Seal. Use pipe (8) instead of pipe (5) as shown in the illustration 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.

Contact Trent Technologies with questions regarding this installation.

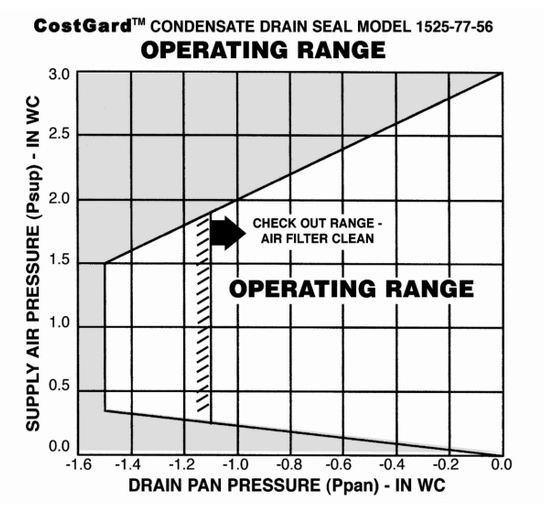
CHECKOUT PROCEDURE

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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