

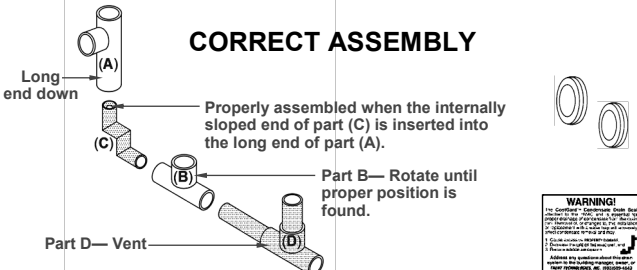
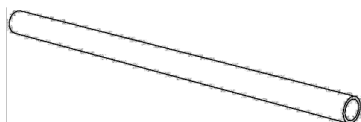
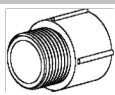



INSTALLATION INSTRUCTIONS

CostGard™ Condensate Drain Seal
RTU SYSTEM KIT MODEL# YPZ-04-14-77

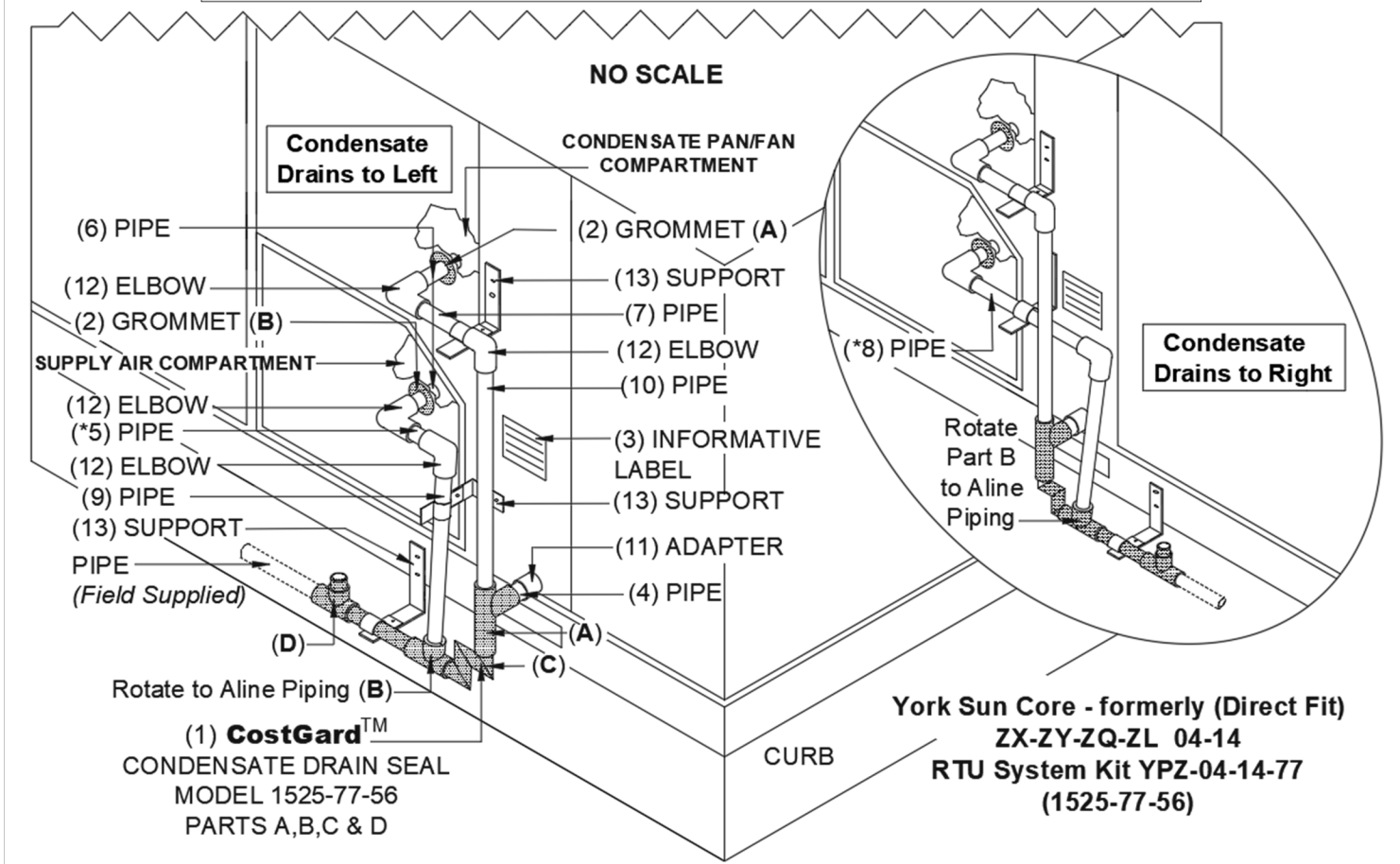
NO TRAP REQUIRED

YORK SUN CORE RTU— (DIRECT FIT) 3/4" Drain – 3.0 TO 12.5 TONS – 04-014				
ZY04	ZY 05/06	ZX08	ZX 09/12	ZX14
ZQ 04/05	ZXA7	ZY07	ZY 08/09	ZY12
	ZQ06	ZYA7	ZL 08/09	ZL 12/14

PARTS LIST

Identification Symbol & Description	Part #	Qty	Part Name and/or Size
 <p>CORRECT ASSEMBLY</p> <p>Long end down</p> <p>Part (A)</p> <p>Part (C)</p> <p>Part (B)</p> <p>Part (D) — Vent</p> <p>Properly assembled when the internally sloped end of part (C) is inserted into the long end of part (A).</p> <p>Part B— Rotate until proper position is found.</p> <p>WARNING!</p> <p>1. Do not attempt to install the seal on a pipe that is not properly supported.</p> <p>2. Do not attempt to install the seal on a pipe that is not properly aligned.</p> <p>3. Do not attempt to install the seal on a pipe that is not properly secured.</p> <p>4. Do not attempt to install the seal on a pipe that is not properly sealed.</p> <p>5. Do not attempt to install the seal on a pipe that is not properly insulated.</p> <p>6. Do not attempt to install the seal on a pipe that is not properly protected.</p> <p>7. Do not attempt to install the seal on a pipe that is not properly maintained.</p> <p>8. Do not attempt to install the seal on a pipe that is not properly monitored.</p> <p>9. Do not attempt to install the seal on a pipe that is not properly tested.</p> <p>10. Do not attempt to install the seal on a pipe that is not properly certified.</p>	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
 <p>SCHEDULE 40 UV STABILIZED PVC PIPE</p>	4	1	3/4 INCH PIPE—1-1/2 INCHES LONG
	*5	1	3/4 INCH PIPE—3-1/4 INCHES LONG (DRAINS LEFT)
	6	2	3/4 INCH PIPE—3-1/2 INCHES LONG
	7	1	3/4 INCH PIPE—6-7/8 INCHES LONG
	*8	1	3/4 INCH PIPE—10-1/2 INCHES LONG (DRAINS RIGHT)
	9	1	3/4 INCH PIPE—12 INCHES LONG
	10	1	3/4 INCH PIPE—13-3/4 INCHES LONG
			*PIPING FOR LEFT OR RIGHT DRAINAGE
 <p>SCHEDULE 40 UV STABILIZED PVC ADAPTER (MIPT X SLIP)</p>	11	1	3/4 INCH MALE ADAPTER
 <p>SCHEDULE 40 UV STABILIZED PVC 90° ELBOW (SLIP X SLIP)</p>	12	4	3/4 INCH ELBOWS
 <p>BRACKET</p> <p>CLAMP</p> <p>PIPE SUPPORT (requires screws listed below)</p>	13	3	3/4 INCH CLAMPS
	3		STEEL BRACKET - PIPE SUPPORTS #108
 <p>SELF TAPPING SCREWS</p>	14	9+1	#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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RTU SYSTEM KIT MODEL# YPZ-04-14-77

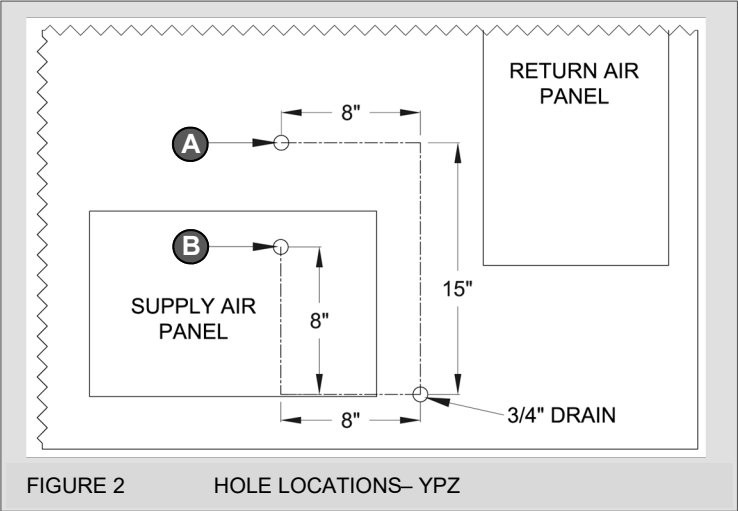
NO TRAP REQUIRED

YORK SUN CORE RTU— (DIRECT FIT) 3/4" Drain – 3.0 TO 12.5 TONS – 04-014				
ZY04	ZY 05/06	ZX08	ZX 09/12	ZX14
ZQ 04/05	ZXA7	ZY07	ZY 08/09	ZY12
	ZQ06	ZYA7	ZL 08/09	ZL 12/14

This kit includes all necessary components for installing the CostGard™ Condensate Drain Seal on York Sun Core 3.0 to 12.5 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 drawing 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.



CAUTION

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

HOLE SAW DEPTH STOP USING PVC PIPE

1/4" ALLOWABLE BIT DEPTH

1/8" ALLOWABLE SAW DEPTH

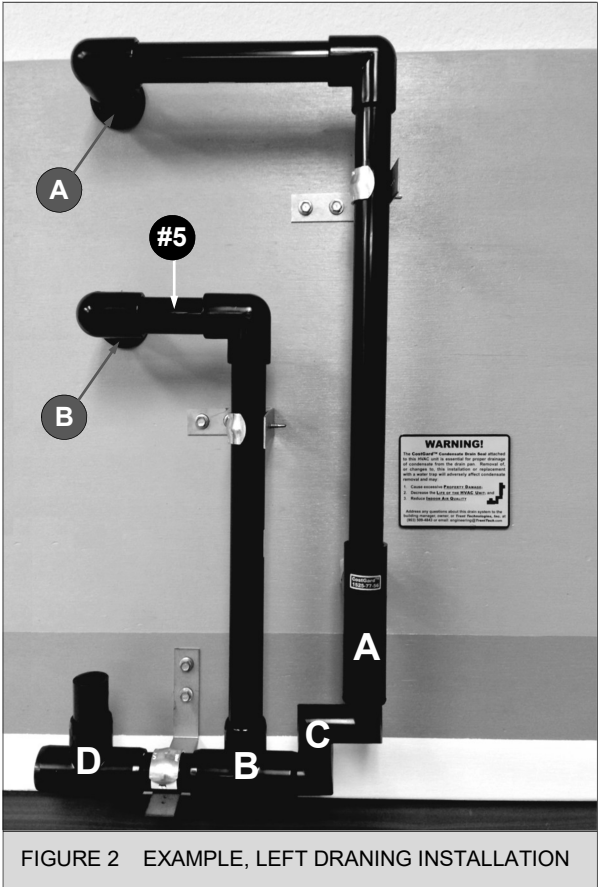
MACHINE NUT

MACHINE BOLT

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 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.

