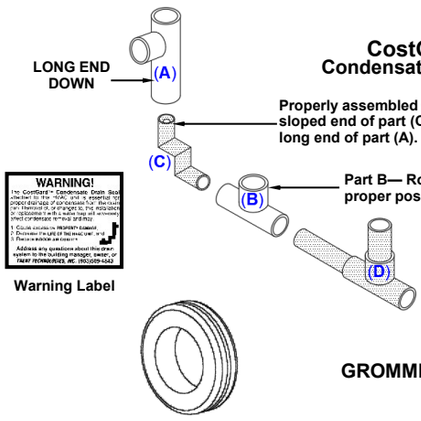
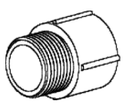
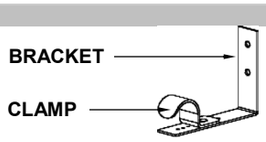
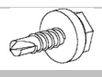
INSTALLATION INSTRUCTIONS

CostGard™ Condensate Drain Seal
RTU SYSTEM KIT MODEL# **YP-037-150-17**

NO TRAP REQUIRED

YORK RTU - SUN PRO / PREDATOR 1.0” Drain – 3 TO 12.5 TONS – 037-150		
KT/KB/KJ 037-150	ZR/ZT/ZF/XP 078-150	DM/DH 078-150
ZH/ZJ 037-150	WP/ BP 078-150	DR/DJ 078-150

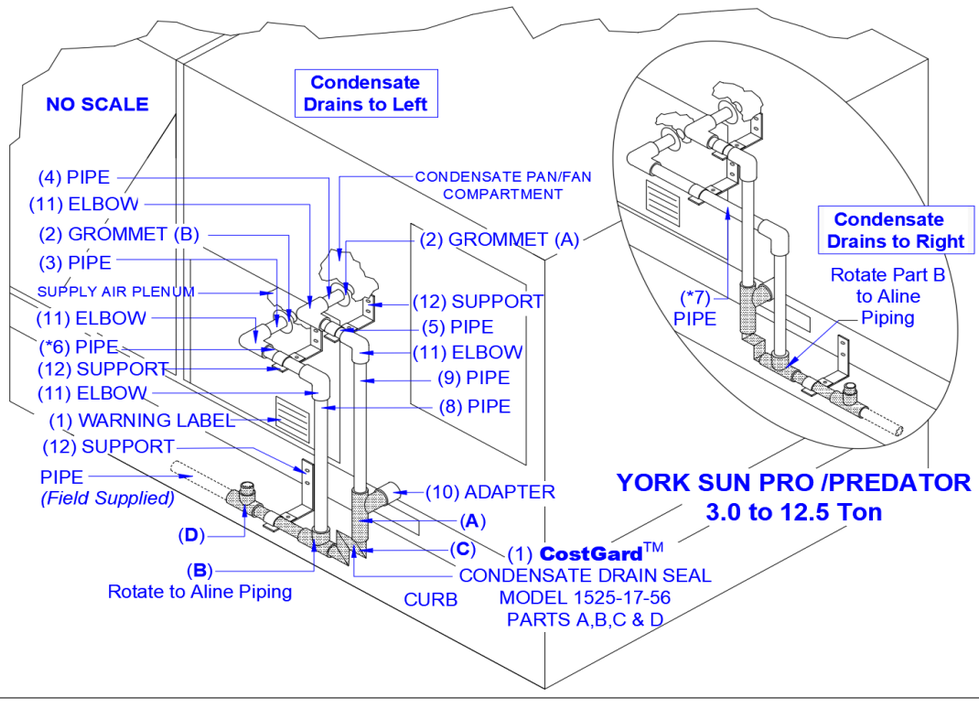
PARTS LIST

Identification Symbol & Description	Part #	Qty	Part Name and/or Size
 Warning Label **CostGard™ Condensate Drain Seal** Properly assembled when the internally sloped end of part (C) is inserted into the long end of part (A). Part B— Rotate until proper position is found.	1	1	**CostGard™** Condensate Drain Seal Model: 1525-17-56 - Parts A, B, C & D Installation Instructions and **Warning Label** **Important:** After installation of the **CostGard™** Condensate Drain Seal is complete, the enclosed Yellow Warning Label must be attached to the HVAC unit.
	GROMMETS A & B	2	2	**GROMMET – FOR 3/4 INCH PIPE - PN. 2277**
	**SCHEDULE 40 UV STABILIZED PVC PIPE**	3 4 5 *6 *7 8 9	1 1 1 1 1 1 1	**3/4 INCH PIPE—3-1/2 INCHES LONG** **3/4 INCH PIPE—4-1/2 INCHES LONG** **3/4 INCH PIPE—6 INCHES LONG** **3/4 INCH PIPE—8-1/2 INCHES LONG** **3/4 INCH PIPE—16-1/4 INCHES LONG** **3/4 INCH PIPE—18 INCHES LONG** **3/4 INCH PIPE—23-3/4 INCHES LONG** ***NOTE:** **Pipe #6 is used where condensate drains LEFT.** **Pipe #7 is used where condensate drains RIGHT.**
	**SCHEDULE 40 UV STABILIZED PVC MALE ADAPTER** (MIPT X SLIP)	10	1	**1.0 INCH MALE ADAPTER (MODIFIED)** *(Tall with 7/8” Insert)*
	**SCHEDULE 40 UV STABILIZED PVC 90º ELBOW** (SLIP X SLIP)	11	4	**3/4 INCH ELBOW**
	**PIPE SUPPORT** (requires screws listed below)	12	3	**SHORT #108 SUPPORT BRACKET** **3/4 INCH CLAMP**
	**SELF TAPPING SCREWS**	13	10	**#10-16 X 3/4” SELF TAPPING SCREWS**

NOTE:
The condensate drain pan has been positioned so that the condensate drain is at the REAR.

See manufacturer’s instructions if pan rotation is necessary.

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



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ZH/ZJ 037-150	WP/ BP 078-150	DR/DJ 078-150

This kit contains all the components necessary for installing the CostGard™ Condensate Drain Seal on the York Sun Pro/ Predator Models 3 to 12.5 Ton. The components provided are listed on the backside of this page.

INSTALLATION STEPS:

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

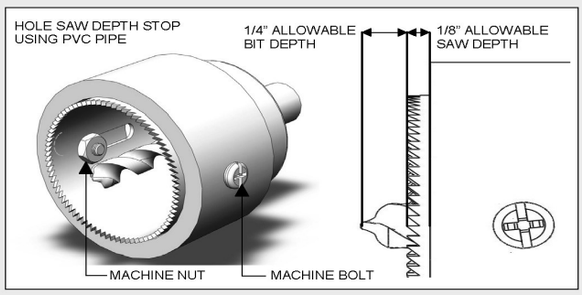
Step 2: Check condensate drain pan connection location. Predator and Sun Pro models allow for the drain pan to be positioned for condensate to drain from the front or the rear. This installation requires the connection be positioned in the **REAR**. Rotate the pan if necessary.

Step 3: 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 5. Otherwise continue to Step 4.

Step 4: 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 on the drawing 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.



SUGGESTED HOLE SAW CONFIGURATION

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

Step 5: Install grommets provided, in holes.

Step 6: Assemble the other components as illustrated on the back of this page, and dry fit all parts together. Note that Parts "A", "B" and "C" of the CostGard™ Condensate Drain Seal (See Parts List) are not bonded. This is to allow rotation for routing, draining condensate to either the left or right, and attaching the air supply piping. Apply PVC cement only after the proper rotation position is found. The photograph above and to the right shows the condensate draining to the left. For drainage to the right, rotate part “C” of the CostGard™ Condensate Drain Seal (See Parts List) to the right and use pipe “7” instead of pipe “6”, as shown in the illustration on the back of this page. Once the components are assembled and pipe supports are attached, each connecting joint must be bonded with PVC cement.

Step 7: SYSTEM CHECK OUT

Check system operation as described in the Checkout Procedure below.

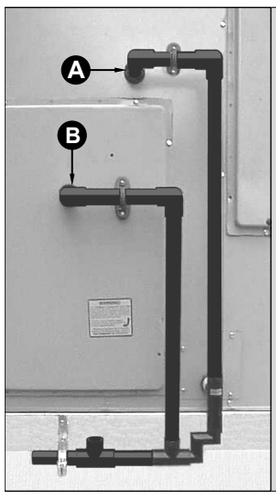


PHOTO - INSTALLATION REAR VIEW
Condensate Draining Left

NOTE:
The condensate drain pan has been positioned so that the condensate drain is at the REAR.

See manufacturer’s instructions if pan rotation is necessary.

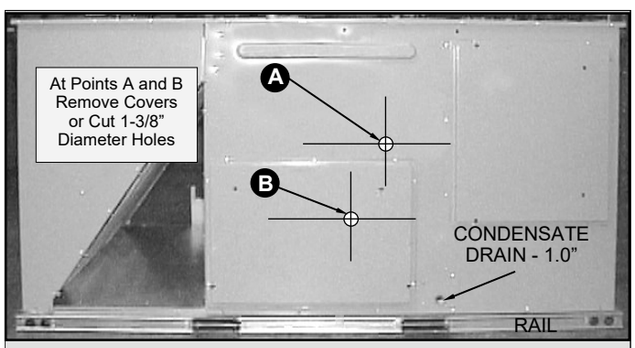


PHOTO - REAR VIEW
HOLE LOCATIONS — 1-3/8” HOLE SAW

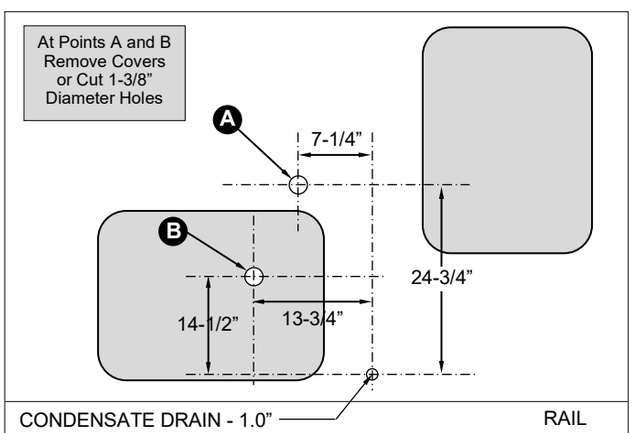


ILLUSTRATION - REAR VIEW
HOLE LOCATIONS — 1-3/8” HOLE SAW

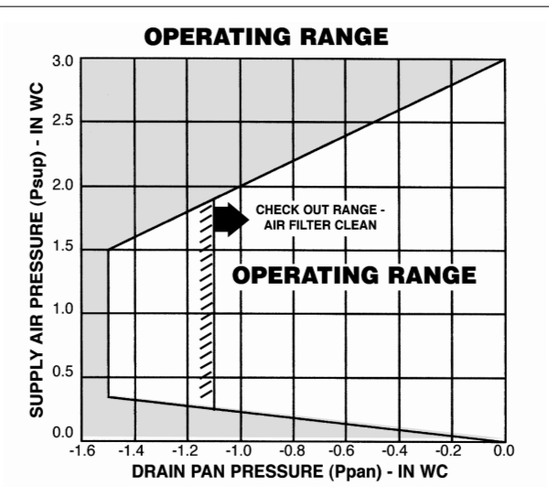
Contact Trent Technologies with questions regarding this installation.

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 1525-17-56. Contact Trent Technologies for resolution.



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