

CostGard™ Condensate Drain Seal – MODEL LEAB-036-150-17
LENNOX ENERGENCE & LANDMARK 036-150 – 3 TO 12-1/2 TON

Bag 1

Bag 2 or Box

Bag 3

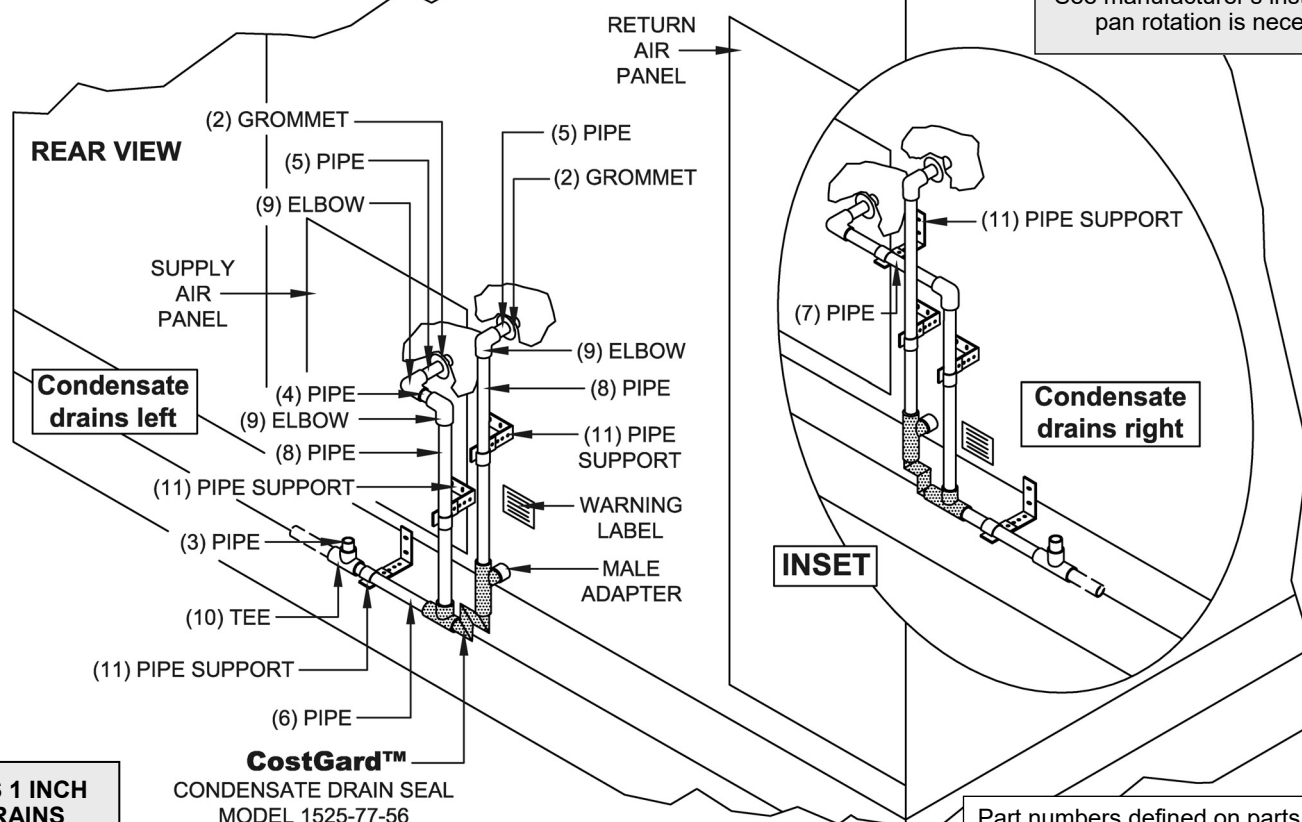
Bag 4

	Identification Symbol	Part #	Qty	Part Name and/or Size
Bag 1	<p>Insert Part A into the 1" male adapter.</p> <p>Long end down.</p> <p>WARNING! The CostGard™ Condensate Drain Seal is designed and engineered to prevent leaks and protect your HVAC system. It is not intended to be used in any other application. If you are not sure of the proper installation, please contact your local HVAC professional. Address any questions about safety or proper installation to: 1-800-854-2277.</p> <p>CostGard™ Condensate Drain Seal</p> <p>Warning Label</p> <p>Properly assembled when the internally sloped end of Part C is inserted into the long end of Part A.</p> <p>Rotate Part B until proper position is found (up to 60°).</p>	1	1	<p>CostGard™ Condensate Drain Seal Model: 1525-77-56 - Parts A, B, C 1" PVC Male Adapter Installation Instructions and Warning Label</p> <p>Important Notice: After installation of the CostGard™ Condensate Drain Seal is complete, the enclosed Yellow Warning Label must be attached to the HVAC unit as instructed on the back of each label.</p>
	<p>GROMMETS</p>	2	2	GROMMET – FOR 3/4 INCH PIPE - PN. 2277
Bag 2 or Box	<p>SCHEDULE 40 UV STABILIZED PVC PIPE</p>	3 *4 5 6 **7 8	1 1 2 1 1 2	3/4 INCH PIPE—1-1/2 INCHES LONG 3/4 INCH PIPE—2-1/2 INCHES LONG 3/4 INCH PIPE—3-3/4 INCHES LONG 3/4 INCH PIPE—5-1/2 INCHES LONG 3/4 INCH PIPE—9-1/4 INCHES LONG 3/4 INCH PIPE—17-1/4 INCHES LONG
	<p>* Pipe #4 is used where condensate drains LEFT. ** Pipe #7 is used where condensate drains RIGHT.</p>			
Bag 3	<p>SCHEDULE 40 UV STABILIZED PVC 90° ELBOW (SLIP X SLIP)</p>	9	3	3/4 INCH ELBOW
	<p>SCHEDULE 40 UV STABILIZED PVC SLIP TEE (SLIP X SLIP X SLIP)</p>	10	1	3/4" X 3/4" X 3/4" SLIP TEE
Bag 4	<p>BRACKET</p> <p>CLAMP</p> <p>PIPE SUPPORT (requires screws listed below)</p>	11	4	3/4 INCH CLAMP & #108 PIPE SUPPORT
	<p>SELF TAPPING SCREWS</p>	12	12	#10-16 X 3/4" SELF TAPPING SCREWS WITH NEOPRENE WASHERS
Screws—Bag 5 in Bag 4				

NO SCALE

NOTE:

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.



**FITS 1 INCH
DRAINS
ONLY**

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

INSTRUCTIONS

CostGard™ Condensate Drain Seal – MODEL LEAB-036-150-17
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**NO TRAP
REQUIRED**

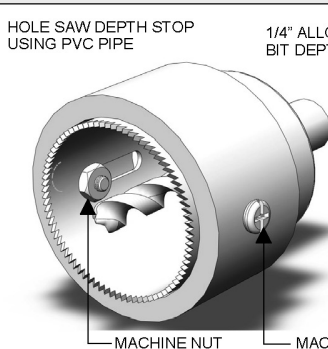
This kit contains all the components necessary for installing the CostGard™ Condensate Drain Seal on the Lennox Energence and Landmark Models 036-150 with 1” drains. A parts list is located on the backside of this page.

INSTALLATION

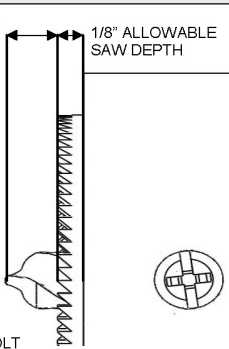
- Step 1:** Open packages to check for missing or damaged parts. In case of discrepancies, notify Trent Technologies immediately.
- Step 2:** Check condensate drain pan connection location. Lennox Energence and Landmark 036-150 allows for the drain pan to be positioned for condensate to drain from the 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

HOLE SAW DEPTH STOP USING PVC PIPE



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



SUGGESTED HOLE SAW CONFIGURATION

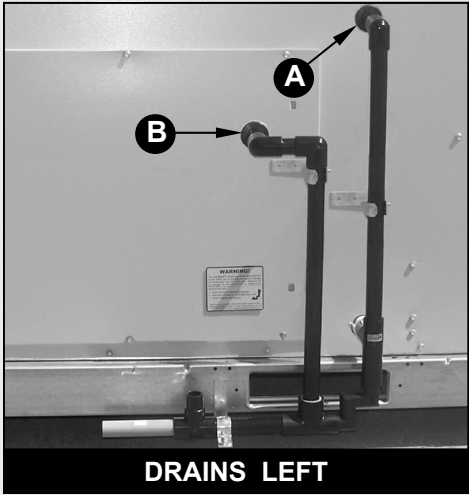
GROMMET SIZE	HOLE SAW	PVC PIPE
3/4"	1-3/8"	1-1/4" SCH 40

- Step 5:** Install grommets in each hole cut in Step 4.
- Step 6:** Assemble the numbered components as illustrated on the back of this page. Dry fit all parts together. Parts A, B, and C of the CostGard™ Condensate Drain Seal (See Bag 1 of 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. Only apply PVC cement to dry parts (free of moisture) after the proper rotation position is found. **Once the components are assembled and pipe supports are installed, ALL connecting joints MUST be bonded with PVC cement.**

Step 7: Attach yellow warning label (see Bag 1 of Parts List).

Contact Trent Technologies with questions regarding this installation.

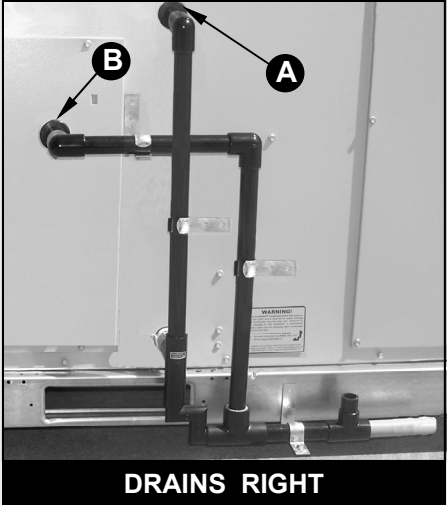
INSTALLATION PHOTOS - REAR VIEW



DRAINS LEFT

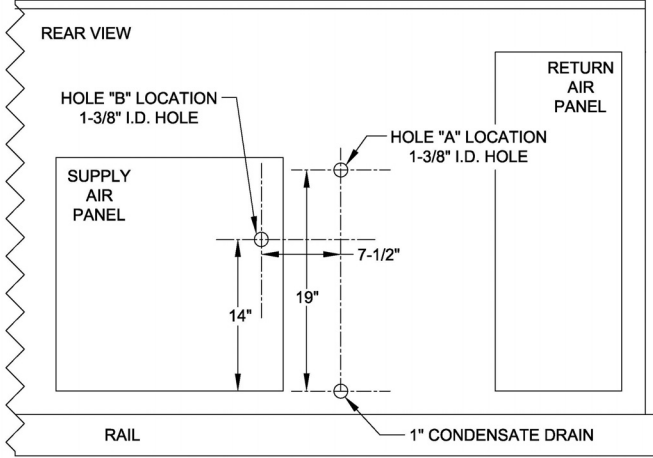
NOTE:
Position drain pan so that the drain is at the **REAR**.

See manufacturer's instructions if pan rotation is necessary.



DRAINS RIGHT

HOLE LOCATIONS - REAR VIEW



TO VERIFY CORRECT OPERATION:

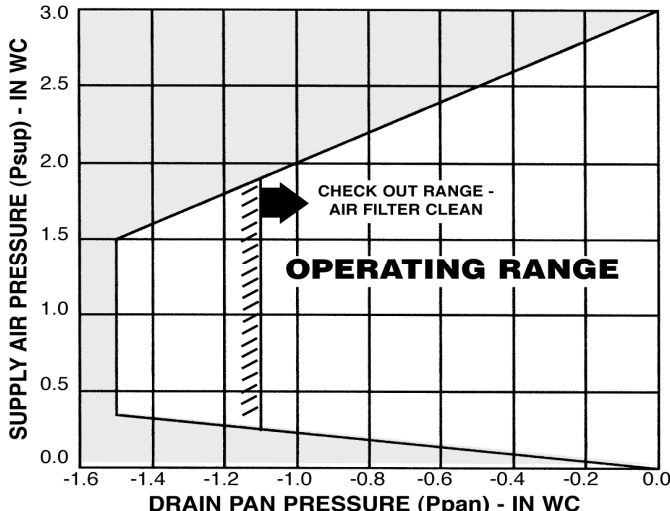
Make the following measurements with the system running:

- Static pressure in the drain pan compartment (not the return duct), and
- Static pressure in the supply air plenum.

If these pressure values fall within "check out 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.

CostGard™ CONDENSATE DRAIN SEAL MODEL 1525-77-56

OPERATING RANGE



SUPPLY AIR PRESSURE (Psup) - IN WC

DRAIN PAN PRESSURE (Ppan) - IN WC

OPERATING RANGE

CHECK OUT RANGE - AIR FILTER CLEAN