

STEPS TO REMOVE YOUR OLD WINDOWS AND INSTALL THE NEW ONES

STEP #1 Install the insect screens or if you do not have them, tape a piece of plastic or paper over the outside of the window, this is to prevent you from losing the plastic washers over the side (don't ask how I know this).

STEP #2 Use your allen wrench to loosen the hinge pins and then procede to back them all the way out. Leave the window dogged shut for this . You may find it necessary to insert the smaller allen wrench into the end to apply a little outward pressure on the end of the hinge pin to get it to back out as once it is backed out of the threads it is still deep inside the hinge with no threads to back it the rest of the way out. NOTE: Occasionally you may break off a hinge pin because it was corroded into the threads - this is no big deal as you are throwing it all away.

STEP #3 Once you have all the pins out, lay a sheet or something under the window to catch the plastic washers when they fall out as you pull the windows out. Its amazing how you can lose the washers as they fall between cushions, etc.

STEP #4 Collect all the washers to reuse.

STEP #5 Take some paper towels or a rag and some solvent and clean up the residue from the gasket on the frame that remains with the boat.

STEP #6 If you have pitting in the frame where the gasket sealed - take a small wire brush to clean out the pits, mask off and fill the pits with thickened epoxy. Try to be neat and confine it to the area which will be covered by the new gasket.

STEP #7 Sand off the epoxy carefully.

STEP #8 Wipe off any sanding dust with a dry paper towel and then peel and stick the new gasket as shown in the photographs. The idea here is to run it flush with the inside edge of the frame but bring it out a little at each end to provide a bit of room for the little tabs on your insect screens to go. Start at the top, peel and stick as you go and when you get back to the join you will need to cut the gasket to length and glue the butt joint with superglue.

NOTES: It doesn't matter where the join is, I try to keep it from falling under a hinge. Don't close the window until the superglue has set (so you don't glue the gasket to the window). It is very important, that on the hinge side (top) the gasket is flush with the bottom edge of the opening - it is not as important on the other 3 sides. I keep it flush on the top and bottom and out a little on the ends.

INSTRUCTIONS FOR INSTALLING YOUR NEW PORT LIGHT WINDOWS

Tools you will need:

A 5/32" allen wrench for the hinge pins. It is helpful to use the type that has a ball end and if you are replacing a whole boat load of windows, it will be worthwhile to buy a flexible 1/4" bit holder to use with your battery drill. These can be purchased for just a few \$\$ from Harbor Freight. It is item #92631. You can also buy them at the hardware store.

(You will still need the regular allen wrench to set the friction of the new hinge pin).

You will also need a 1/4" hex to 5/32" hex insert bit to go in the flexible bit holder. I buy mine at Napa.

STEP #1 Time to instal the window. Insert it into the opening, and dog it shut. Install the nylon washers in the hinge. If necessary you can loosen the screws that hold the hinges to the acrylic a little and snug them up again when everything is in place. There is a small amount of adjustment in the hinge holes in case of small measurement errors.

NOTE: Don't over tighten the screws - they only need to be snug.

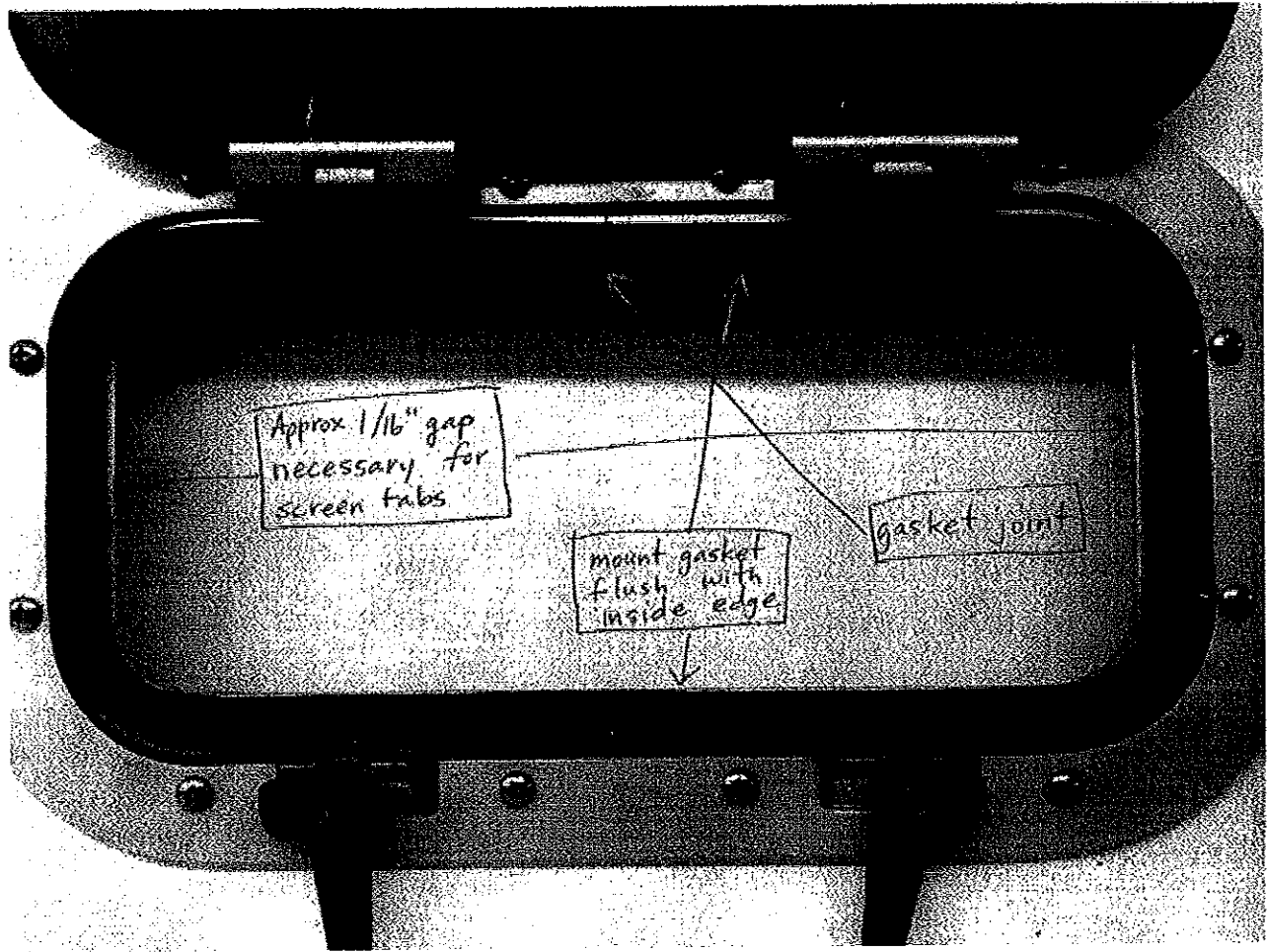
STEP #2 Instal the new hinge pins which were supplied with your window, don't use the old ones as they have threads that wear on the inside of the hinge.

NOTE: Please apply a dab of Anti-Seize, Tef-gel or similar to the threads to prevent future corrosion due to dissimilar metals.

STEP #3 Peel the protective paper, wipe off any fingerprints and dog it shut and your done.

NOTE: Dog the port closed and leave it closed for a day to help the adhesive on the gasket to stick properly.

Congratulations, you are done.



Installation of Rubber-Seals

Please use these
Helpful Suggestions
for a secure application

Follow these simple recommendations to accurately
secure your rubber seals

Severe installation conditions, such as elevated temperatures and tight radius applications may require additional measures to provide a secure application. (Temperature and radius guidelines vary by individual part)

RECOMMENDATIONS:

1 CLEAN SURFACE THOROUGHLY.

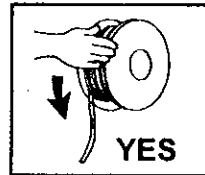
Must be clean, dry, and free of oil & grease.

**USE:**

- Denatured Alcohol
- Safety Solvent
- Trisodium Phosphate (TSP)

2 DO NOT STRETCH THE RUBBER SEAL FROM THE REEL.

Dispense product by turning the reel.



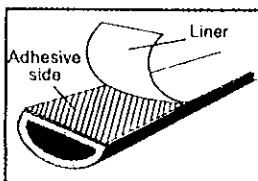
Regardless of what bonding surface you apply the gasket to, it must be clean and free of surface contaminants such as oils, grease, mold releases and dirt or dust in general. Most bonding failures are not due to the adhesive failing, but instead, the failure to properly clean the surfaces. Prior to applying any adhesives, clean the surface with Denatured Alcohol, Safety solvent, or TSP. For your particular use, it is advised to test all material to ensure the effectiveness of the product.

To ensure optimum performance, several important requirements should be noted prior to the installation of any Pressure Sensitive Adhesive (PSA) taped product. Be sure to store this product at 72°F (22 °C) and 50% relative humidity. DO NOT apply when temperatures are below 60° F nor above 100° F, as this may affect the performance of the tape.

PLEASE NOTE: Due to a constant effort to update Rubber Seal products, specifications are subject to change without notice, and without incurring obligation. Because the manufacturer can not anticipate or control the many different conditions which this information and their products may be used, they do not guarantee the applicability, accuracy or suitability of each product for their particular application. The products described here are sold without warranty, either expressed or implied. The buyer assumes all responsibility for loss and/or damage arising from the handling and use of these products.

3 AVOID GETTING ADHESIVE DIRTY.

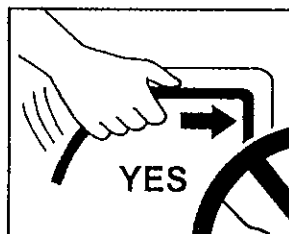
Peel Liner just prior to application.



NOTE:
Various adhesive tape grades available.
Contact your representative for details.

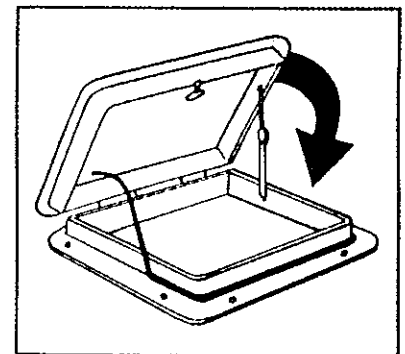
4 DO NOT STRETCH THE RUBBER.

Install the rubber seal around radius by 'stuffing', not stretching.



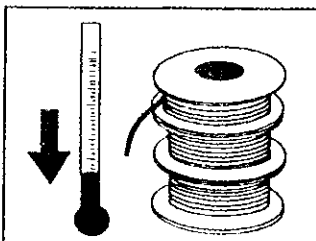
5 APPLY CLAMPING PRESSURE

(If possible) Immediately after application close unit, (i.e.: hatch, door)



6 STORAGE:

Always store on original reels and store in cool, dry & dust-free location.



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HELPFUL HINT:

To bond or splice rubber seal ends together, use:
'Instant Adhesive'
(Item# 4401TL)

Contact your representative to order.

