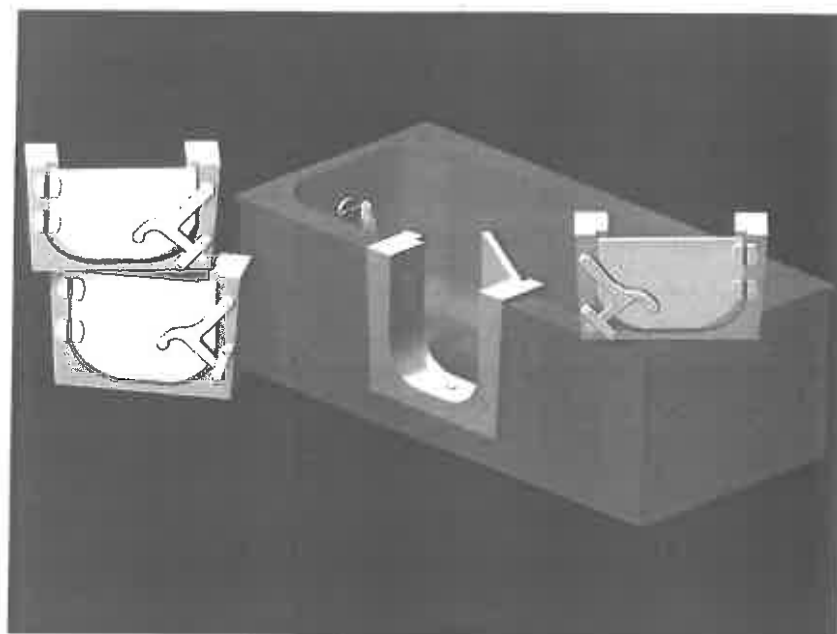




Bathtub Conversion Kit

Installation Manual



Safety Bath
1280 2nd Ave S, Lethbridge, AB, T1J 0E6 Canada



www.dixsystems.com



www.dixsystems.ca

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HELP!

If you have any problems with our product, or if you are missing parts or have damaged parts, ***DO NOT CALL THE STORE WHERE YOU PURCHASED THE KIT.*** Call one of our friendly and knowledgeable Customer Service Representatives at 1-877-826-6666. The call is free, and our office is staffed by people who can assist you in a fast and friendly manner.

Please note that ***WE DO NOT WARRANT THE INSTALLATION***, but we will be pleased to advise you on any installation problems you may have encountered.

WARRANTY:

Safety Bath Door Insert Kit Warranty

Your Safety Bath Product is warranted to be free from defects in materials and workmanship for a period of twelve (12) months from the date of retail sale to the original purchaser. This warranty will not apply to any damage or personal injury due to neglect, misuse, accident, or improper installation.

Safety Bath includes lifetime warranty on the door seal.

All warranty claims must be pre-approved by Safety Bath

DISCLAIMER:

This Safety Bath Door Insert Kit is quality constructed from tough, durable components for maximum durability and to provide the end user with years of trouble-free service.

However, the installation of this product is not warranted. Failure of this device due to improper installation techniques, inadequate or incorrect sealant, or other installation deficiency will void warranty.

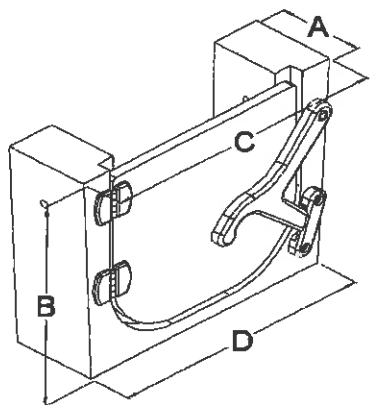
Safety Bath will not be responsible for personal or property damage caused by failure of this device due to improper installation.

For more information, please call Safety Bath at 1-877-826-6666



Door Insert Kit Sizes

Safety Bath offers its Door Insert Kits in three sizes to fit virtually every standard bathtub as out-lined in the table below:



| Door Kit | A | B | C | D |
|----------|----|-----|-----|-----|
| 8x12 | 8" | 12" | 20" | 20" |
| 8x16 | 8" | 16" | 20" | 20" |
| 10x14 | 8" | 14" | 20" | 20" |

Silicone Set Time—Very Important!

Since this Door Insert Kit relies on silicone sealant as its primary means of sealing the insert to the bathtub, as well as holding the insert in place, it is imperative that the silicone sealant be allowed to fully cure before using the bathtub. This can take as long as 48 hours, depending on the silicone used, as well as the temperature and humidity in the bathroom.

Tools And Materials Required

- ♦ Pencil or Dry Erase Marker
- ♦ Caulking Gun
- ♦ Measuring Tape
- ♦ 1" Masking Tape
- ♦ Spreader Bar / Adjustable Inside Clamp
- ♦ Reciprocating Saw, Jigsaw, or Rotary Cutter (depending on bathtub material)
- ♦ Power Drill
- ♦ Drill Bits
- ♦ Robertson #2 Screwdriver or Long Drill Driver Bit
- ♦ 6" Torpedo Level
- ♦ Saw Blades—Depending Upon Bathtub Material
- ♦ Coarse Sandpaper
- ♦ Clear Silicone Caulk—Choose a Caulk Which Has Excellent Bonding Characteristics ♦ Drop Cloth

Congratulations and thank you for purchasing a Safety Bath Door Insert Kit!

Installation of the Door Insert Kit is straight-forward and relatively simple. However, in order for the kit to perform properly, *the steps in this manual must be carefully followed.*

Failure to follow instructions may result in insert failure, personal injury, and property damage.

Upon opening the Door Insert Kit package, you will find the following:

- ♦ Door Insert Kit
- ♦ Dual Sided Template
- ♦ Warranty Card
- ♦ Phenolic Stiffener Kit
- ♦ Hardware Kit

1. First task is to make sure the Door Insert Kit you received is the correct kit for your bathtub. Illustration 2 shows the 3 critical dimensions to consider when installing a Door Insert Kit:

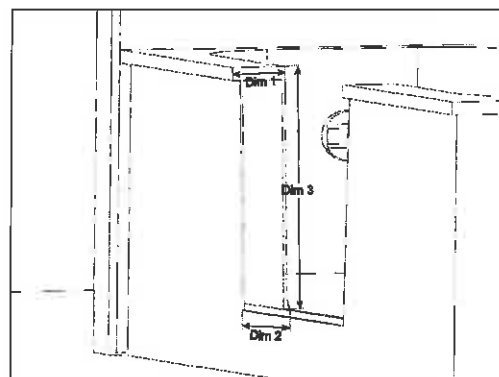


Illustration 2 - Critical Bathtub Wall Dimensions

Dim 1 - Section width at *widest point of bathtub wall*.

Dim 2 - Section width of bathtub wall where bottom of Door Insert Kit will rest.

Dim 3 - Height of bathtub wall where insert will be placed. *Note that the door insert should not extend below the start of the curve at the bottom of the inside of the tub.*

2. Next, double-check the Door Insert Kit you received. Illustration 3 shows the three critical dimensions. Refer to illustration on page 3 for insert kit sizes.

Please note that DIMENSION C on your Door Insert Kit may actually be slightly less than the values in the above table. This is normal, as the Door Insert Kit will relax when not installed in a bathtub.

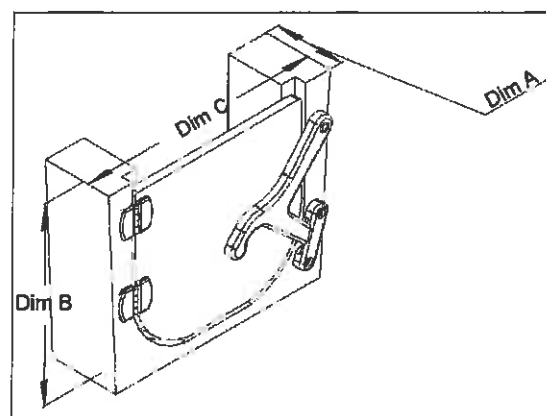


Illustration 3 - Door Insert Kit Dimensions

A - Depth of insert - This dimension must be at least $\frac{1}{2}$ " greater than either Dim 1 or Dim 2 (*whichever is greater*) in illustration 2.

B - Height of insert - This dimension must be $\frac{1}{2}$ " - 1" greater than Dim 3 in illustration 2.

C - Width of insert - Note that this dimension may have changed slightly during shipping. Once insert is installed, it will return to its nominal size.

3. Illustrations 4a and 4b, Below, show a correct sized Door Insert Kit.

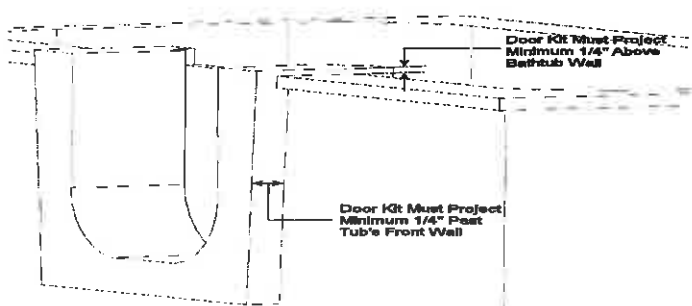


Illustration 4a - Ensuring Door Insert Kit Is Correct Size

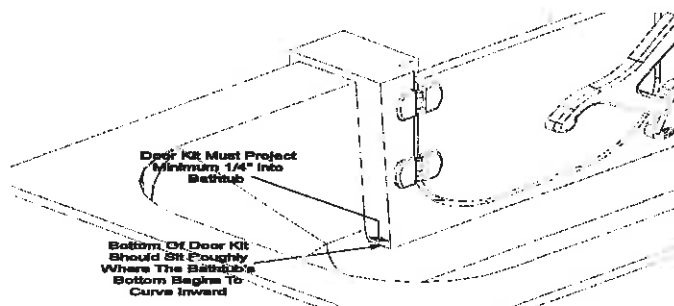


Illustration 4b - Correct Sizing And Positioning Of Door Insert Kit

4. Another thing to consider is whether you will be using Safety Bath's optional Custom Safety Seat. This high quality seat folds away when not in use, and is constructed of rigid high density polyethylene for maximum durability and ease of cleaning.

When using the Safety Seat, the door insert must be located at least 14 1/2" away from the back edge of the bathtub.

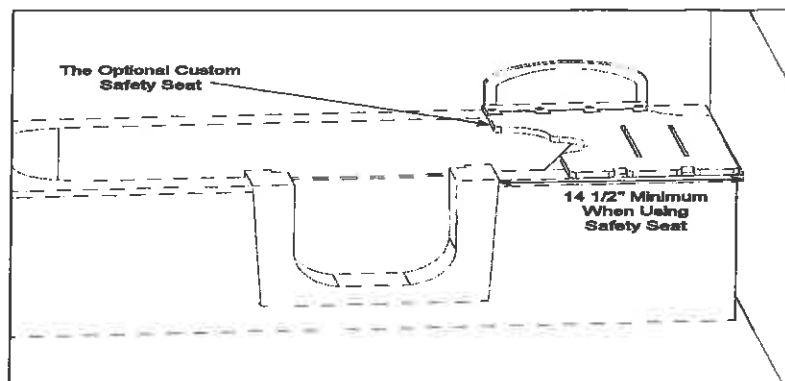


Illustration 5 - Optional Safety Seat Positioning

5. Once it is verified that the Door Insert Kit supplied is suitable, Place the door insert kit on the tub in the area where it is to be installed. Mark the edges of the door kit on the tub then remove the door kit and tape the area that is to be cut out and removed with the masking tape. Using the template, line up on side with one of edges that has been marked, place the template flush against the tub and trace around it. Then flip the template over and trace the inside of the tub.
6. Set the template on the bathtub where the door kit will be installed.

Refer to illustration 4a, previous page. Safety Bath recommends the top of the door insert should project 1/4" - 1/2" above the top of the bathtub wall.

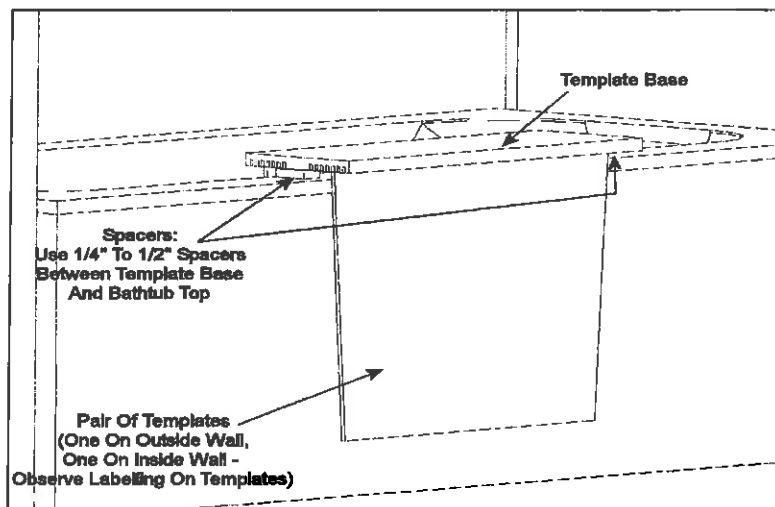


Illustration 7 - Using The Templates

7. With the template positioned and leveled, trace around the two wood template pieces with a pencil or marker. Remove the template and draw the two lines on the top of the bathtub wall by connecting the lines you drew using the template.

8. Now that the lines have been drawn using the template, The masking tape will reduce the chances of chipping the bathtub's surface during cutting. If the lines aren't visible enough, use a black felt marker to re-draw the lines. Then carefully cut out the area where the insert will fit using a jigsaw or reciprocating saw. Cut inside the lines, and leave the lines intact. It is easier to sand or trim a little excess material later than to try to fill in a hole that has been cut too large.

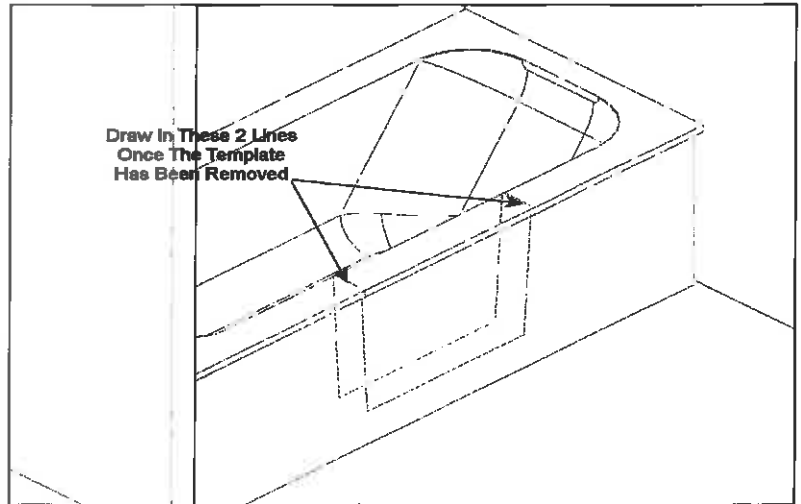


Illustration 8 - Lines To Be Cut

Drilling starter holes in the area to be removed may make it easier to start cutting.

9. Remove piece from bathtub and test fit Door Insert Kit. Insert should rest on bottom of cut out. Make sure to check door operation while test-fitting insert to make sure door opens and closes smoothly. You can also measure across the top of the insert (Dimension A, Illustration 3, page 6), and compare to the nominal size of your insert model as per table on page 3.

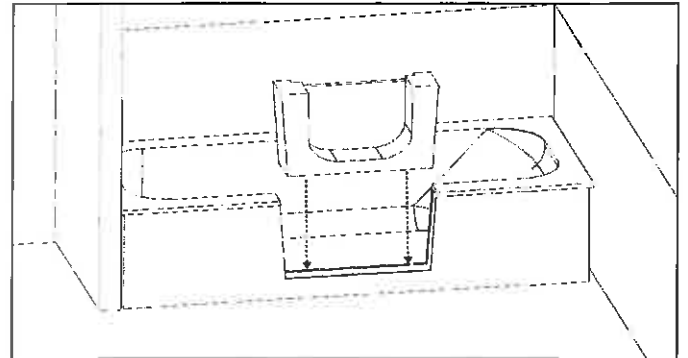


Illustration 8 - Test-Fitting Door Insert Kit

10. Trim away any part of the bathtub's wall to allow for a good fit between the door insert and the bathtub. Once a good fit has been achieved, gently sand or de-burr the edge of the cut-out, being careful not to damage the finished faces of the bathtub's wall.
11. Included with your Door Insert Kit are blocking pieces made of white phenolic material. This material is resistant to mold and mildew, and will not be damaged by moisture. To ensure that the silicone adheres to these filler pieces, they should be sanded with coarse sand-paper slightly to remove the gloss from the surface which will be receiving silicone.
12. The largest of the phenolic pieces is the bottom filler. Measure bottom of bath-tub wall cavity and cut phenolic material to fit inside the cavity. You may want to insert a screw to use as a handle to remove the piece while trial-fitting it. The filler pieces are to be inserted into the bathtub wall cavities.
- Also included are 4 small blocking pieces to be used between the floor and the bottom filler piece.

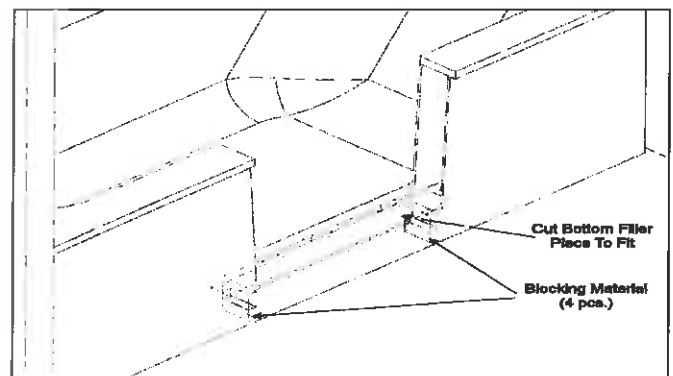


Illustration 9 - Bottom Filler Piece

13. The two remaining phenolic pieces are for the side fillers. These will need to be cut to fit inside the sides of the front wall cavities. With the bottom filler in place, position a side piece against one of the cut out edges and trace around the outline of the bathtub's wall. Repeat for the second side piece. Using a jigsaw, carefully cut out the two pieces. Cut on the inside of the traced line to allow for the thickness of the bathtub's wall. Trial fit each piece. Make any corrections needed until piece fits snug-ly into side cutout. Repeat for the second side piece.

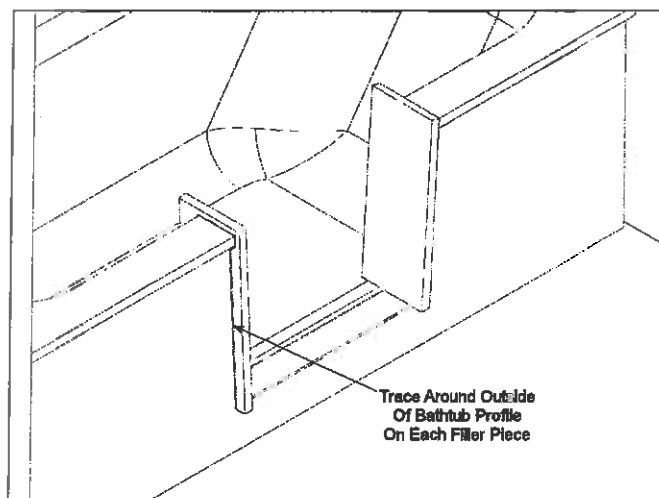


Illustration 10 - Side Filler Pieces

14. Now that all the filler and blocking pieces are cut, trial fitted, and sanded for silicone adhesion, it's time to secure them in place. **Use a top-grade, clear silicone with excellent adhesion quali-ties, and quick set time.** Start with the bottom filler. Make sure the inside wall of the bathtub is clean and roughed up a bit for best silicone adhesion. Apply liberal amounts of silicone to the bottom filler piece and the bathtub where the filler piece will sit and carefully set in place. Remove any excess silicone, and make sure any small gaps between the bathtub wall and the filler piece are filled with silicone.

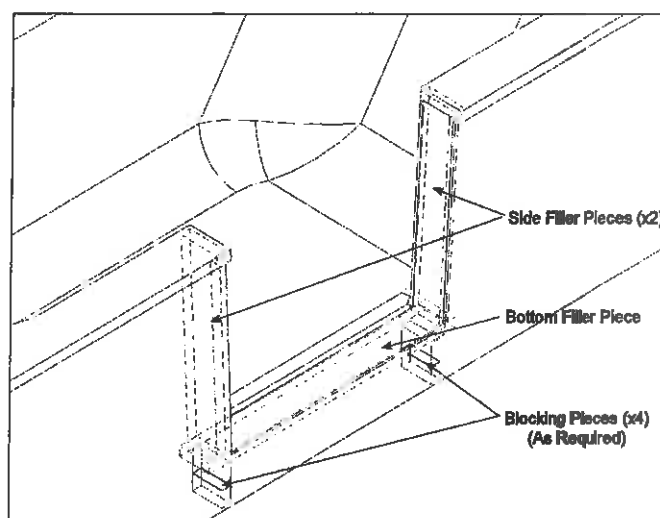


Illustration 11 - All Filler Pieces In Place

15. Once the bottom piece is satisfactory, do the same with both side filler pieces, once again us-ing a generous amount of silicone, and filling in any small gaps with silicone. Remove any excess silicone from the three filler pieces where the insert will sit.

If the door kit installation isto be completed in one day, the Door Insert wilhave to be secured in place before the silicone holding the blockingpieces in place cures completely. Thisrequires mechanical fasteners (screws) to be inserted through the bathtub walls and into the blocking pieces to hold them in place. Continue to Step 16.

If time allows,however, you may leave the silicone holding the blocking piecesin place to set up over night. This eliminates the need for screws to be installed through the bathtub walls, and makes for a cleaner-looking installation. Proceed to Step 18.

16. Pre-drill 4 - 3/16" holes in bathtub front as per illustration 12, right. Using 4 stainless screws and 4 plastic re-tainers, secure the side filler pieces to the bathtub. Snap on 4 white plastic trim caps for a finished appearance.

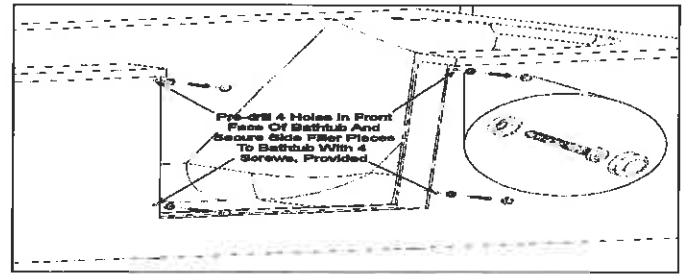


Illustration 12 - Securing Side Filler Pieces To Bathtub

17. The side filler pieces must also be secured on the inside of the bathtub using similar method as the outside. *Use only 2 screws on the interior of the bathtub. Be sure to drill pilot holes above the water line.*

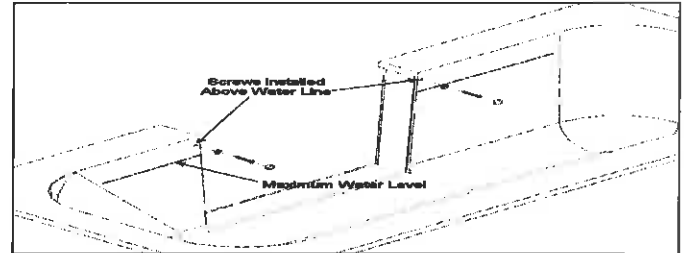


Illustration 13 - Interior Screws To Secure Side Filler Pieces

18. With the filler pieces securely in place, set the Door Insert Kit in place and once again check door operation and insert fit. With dry erase marker or pencil trace the tub profile onto the insert.

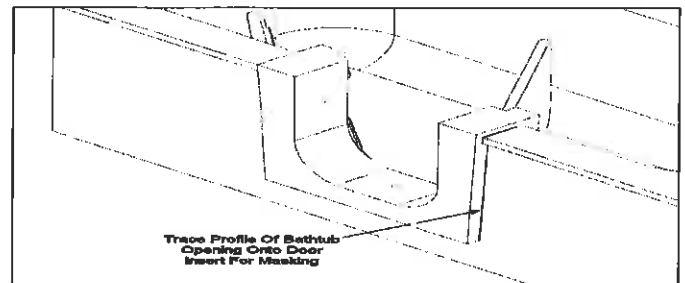


Illustration 14 - Marking Insert For Silicone Masking

19. Remove Door Insert Kit from bathtub. Using minimum 1" masking tape, tape off the insert for a neater final silicone job. Keep the masking tape about 1/4" outside of the traced lines to facilitate a 1/4" finish bead of silicone.
20. Before final installation of the Door Insert Kit, make sure the faces of the filler pieces have been sanded with coarse sandpaper for better adhesion to the silicone. Wipe off with a damp cloth and allow to dry.
21. Apply a continuous, generous bead of high quality clear silicone to bottom and side filler pieces as per illustration 15, right. Keep bead of silicone about 1/2" back from the edge of the filler pieces. Allow to air dry for 10 - 15 minutes (or as per instructions on silicone).

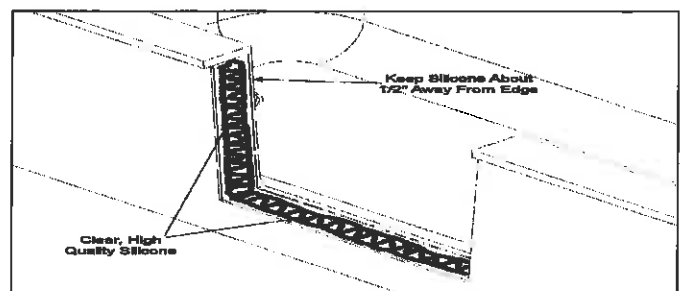


Illustration 15 - Applying Silicone To Filler Pieces

22. Carefully slide Door Insert Kit into place and check that kit is centered, pushed down, and that any excess silicone is removed to allow for finish silicone bead.

23. Using an inside spreader clamp or similar device, spread the Door Insert Kit frame against the cut edges of the bathtub and phenolic stiffeners.

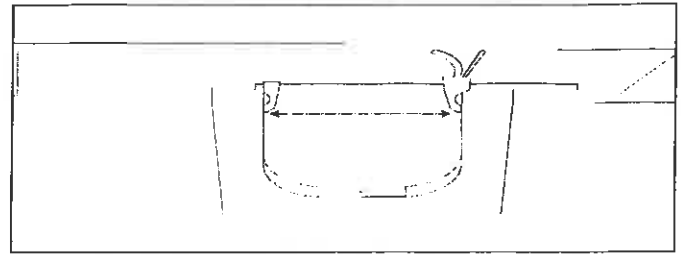


Illustration 16 - Using Inside Spreader Clamp To Secure Kit Into Position

24. To ensure that your Door Insert Kit stays in place permanently, the insert is secured to the three filler pieces using three stainless screws, provided. The holes made in the door insert are then filled with plastic plugs. Three 1/2" holes through the surface layer of the door insert have been pre-drilled at the factory. Three stainless screws with #2 Robertson heads have also been started. Screw the three stainless screws into the filler pieces, being careful not to overtighten the screws.

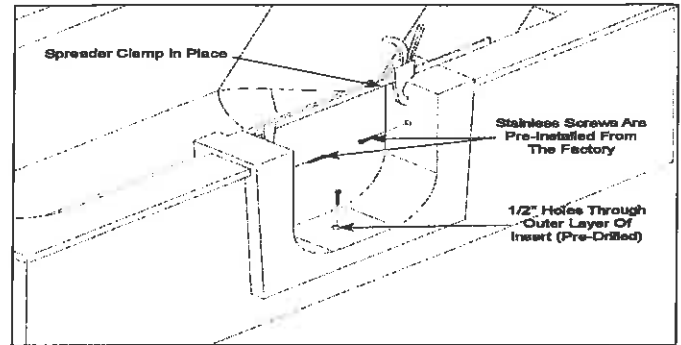


Illustration 17 - Screwing Door Kit Insert To Filler Pieces

Do not remove the clamp until the Door Kit has been securely fastened to the phenolic stiffeners.

25. Remove the spreader clamp. Cover the 1/2" holes in the outer surface of the insert with the three plastic hole plugs provided.

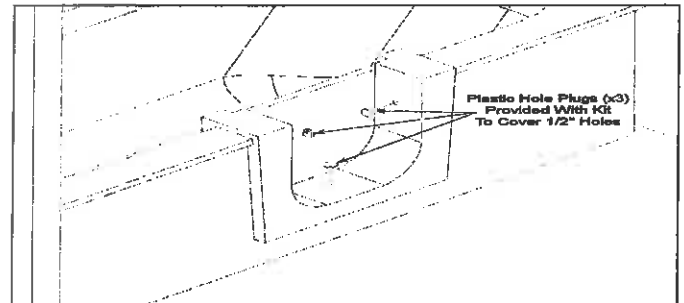


Illustration 18 - Inserting Hole Plugs To Cover Screw Holes

26. Apply finish bead of color-matching caulk around edge of insert where insert meets the bathtub. The masking tape applied in step 17 will help keep this bead of silicone neat. Once the caulk is applied, remove the masking tape and allow the caulk to cure.

27. Allow the caulk to cure for 36 - 48 hours before filling tub with water, and at least 24 hours before showering. Consult caulk manufacturer's instructions for further curing time information.

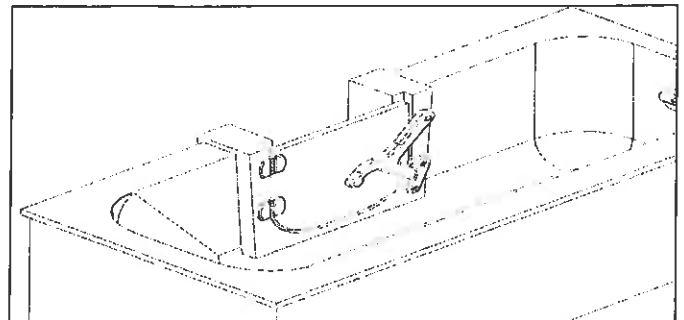


Illustration 19 - The Completed Installation

