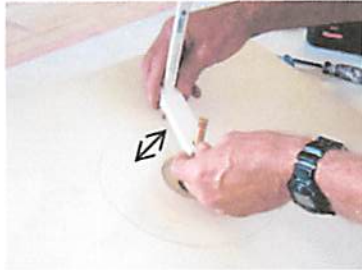


# Installation instructions for the Suicide Resistant Shower Handle



**Step #1**  
Remove knob & cover



**Step #2**  
Using the scoring template, trace the circle for the base ring. Please make sure when tracing the circle, the template bar is parallel the surface.



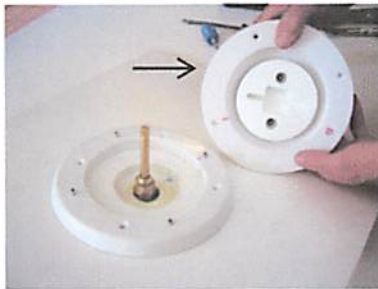
**Step #3**  
After using the base ring to mark the location for the mounting bolts, drill the four holes using a 5/8" drill bit. **Note:** This is for hollow wall applications using toggle bolts. If installing the base ring to a wooden stud, recommend using 3" screws. Never use plastic mollys anchors for installation purposes.



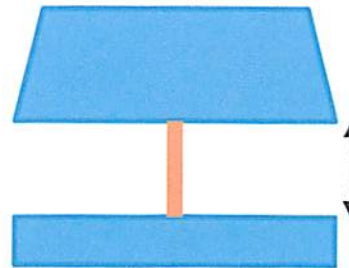
**Step #4**  
Pre-insert all toggle bolts through the base ring



**Step #5**  
Apply appropriate adhesive (see chart) to the bottom of the base ring as shown. Install the base ring by inserting the toggle bolts into the wall and tighten in place. **Note:** Remember when attaching the base ring to the wall, ensure it is lined up with the base ring circle that was drawn earlier.

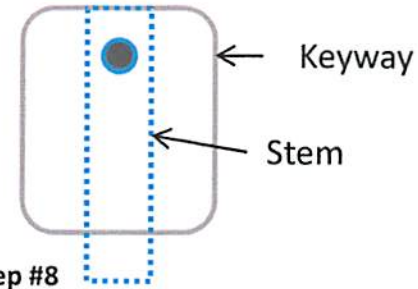
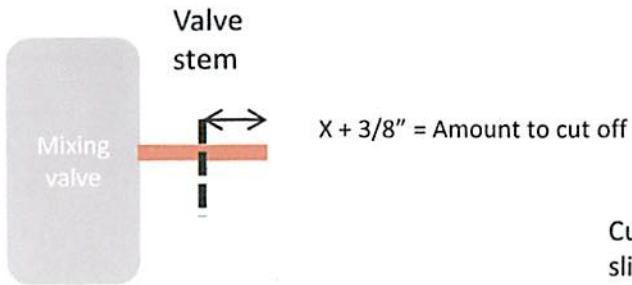


**Step #6**  
Take the top half of the shower handle and place on top of the existing valve stem. Accurately measure the distance between the two pieces. We recommend having one person holding the handle while the another takes the measurement. Be sure the top piece is parallel to the base. Also take the measurement when the valve is in the closed position because it will be at its farthest extension from the wall.



**Step #7**  
Take the measured distance and add 3/8". This will give the amount to cut off the valve stem.

Shower side view



Step #8

Cut off the extra stem using a hacksaw. Once you cut off the excess stem, slide the 1" keyway over the stem until the end is flush. Mark the location for keyway bolt. Please note the keyway bolt hole is positioned at the end of the stem. Please note you might need to use a file to remove the burr before proceeding to the next step.



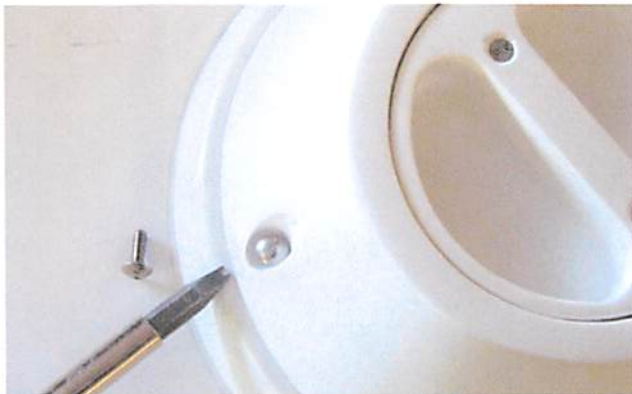
Step #9

Slide the bolt through the keyway and valve stem and secure with the nut. Cut off the excess bolt material and ensure the bolt head and nut are flush with the key way



Step #10

Line up the manufactures marks that are on the base ring and the valve handle and install the top piece to the base ring. Make sure the guide bolts are lined up. **Note:** Recommend having one person hold the valve assembly while the another installs the attachment screws.



Step #11

Using the tamper-resistant screws that were provided, install the four screws into the guide bolts. Once secured properly, test the shower handle to ensure it operates smoothly.

*If you have any questions about the installation, please do not hesitate to call Norva Plastics Inc.*

Step #12

Fill in any gaps with adhesive around the base ring. For non-uniform walls with large gaps, use packing material before applying the adhesive.

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