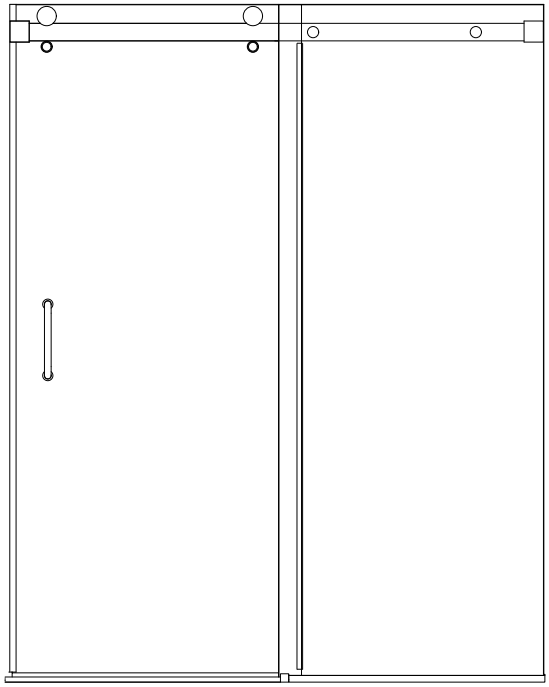
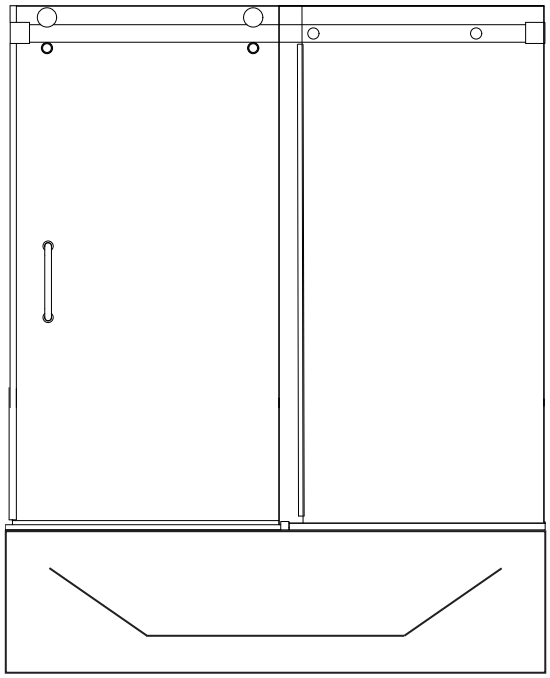
Installation Instructions for
3/8” Door Models: NBSE180/NBTE180 or LBSE180/LBTE180

FIRST STEPS - Identify the **model number** of your unit.

- Look on the white shipping label on the outer cardboard box.
- **Model number** on label should correspond to one listed above.



NBSE180/LBSE180



NBTE180/LBTE180

NOTE:

- Installation procedures are the same for tub or shower height units
- The images in this manual show an arrangement with the showerhead to the left. The same instructions apply for the opposite orientation where the examples would be reversed.

Required Tools

* Pencil or water soluble felt pen

* Hacksaw with 24 tooth blade

* Metal file (smooth sharp edges)

* Tape measure

* Clear 100% Silicone (recommended)

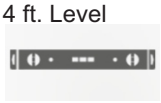
* #2 Phillips Screw driver

* 5/32” and 1/4” drill bit carbide for tile

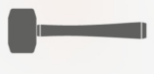
* Caulking gun

* Drill, electric or battery

* 4 ft. Level



* Rubber mallet



* Razor knife

Building Partners through Glass
HARTUNG GLASS INDUSTRIES

MM.5077
rev20251015

This installation sheet is a required component in Parts Bag BP.5013

READ ENTIRE MANUAL BEFORE INSTALLATION AND OPERATION

Warnings and General Shower Door Information

READ AND FOLLOW INSTRUCTIONS: Failure to follow all instructions, warnings and guidelines may result in serious injury or death, may cause water damage, and will void the terms of your warranty.

General Safety and Installation Policies

Before Installation:

- **Proper Size:** Ensure the enclosure is the proper size for your opening prior to beginning installation.
- **Safe Installation:** Some units may require two or more people to safely install the enclosure properly.
- **Packaging:** It is recommended to retain all packaging and other materials until installation is complete in the event of a return.
- **Inspect:** Installer should inventory all parts or components and inspect them for damage prior to beginning installation.
- **Sharp Edges:** Exposed ends of aluminum and other hard components can be rough, sharp or jagged due to the processes of cutting, drilling, notching, etc. Sharp ends must be deburred, smoothed or rounded by the installer before installation.
- **Safety equipment and tools:** Have all necessary safety equipment (glasses and gloves) and proper tools for the installation. The installer is responsible for determining the correct drill bit(s) for the installation.
- **New Tile:** We recommend that you allow at least 2 days (48 hours) for the tile cement and grout to dry before installing enclosure.

During Installation

- **Proper backing:** Shower doors are heavy. Therefore, glazing channels, fillers, hinges and headers blocks (structural components) should be secured to studs or solid backing beneath the tile or decorative substrate. Fasteners should screw directly into the backing. Wall anchors are provided primarily to separate screws from tile to reduce the possibility of cracking.

- **Tempered glass:** Glass can break. Shower door panels are tempered to ASTM C1048 specifications as required by building codes. Glass is tempered to greatly increase its strength and to make it fragment into smaller and lighter pieces reducing the possibility of injury in the event that the glass does break. Tempered glass will break and may cause bodily injury if you attempt to cut, drill, mill or alter it in any way. Care must be taken when handling tempered glass. Pay special attention to protect all edges of the glass from contact with hard surfaces.
- **Horizontal surfaces and installation holes:** Avoid drilling into the horizontal surfaces of tubs or showers unless it is required for the structural integrity of the unit. If you drill into horizontal surfaces, always generously caulk the holes, anchors, screws and on top of the screw head. If this is not done, or is done improperly, water damage can occur under the tile or substrate.
- **Weep holes in horizontal channels:** Drilling 3/8" weep holes on the inside of horizontal channels is recommended to allow any moisture build-up inside a channel to exit the channel. Due to varying installation conditions and installer's/owner's personal preference, however, we do not drill them in the factory.
- **Sliding and swinging glass doors**: A door may be improperly installed if it hits or scrapes against bathroom obstructions (toilets or cabinets) or any metal or glass components of the shower door itself. This could lead to glass breakage or serious injury. The installer must correct the deficiencies before allowing the door to be used.
- **Surface conditions:** Most shower door designs allow for out-of-square or unlevel installation. Generally, any outage more than 3/8” that was not identified during the ordering process is outside of these allowances and can result in an improper installation.

Caulking/Siliconing the Unit:

- Always clean all contact surfaces before caulking and use a high grade 100% silicone for best results.
- After installation, at a minimum, caulk the entire outside perimeter of the unit where the unit touches walls, sills, and step-ups, etc. Also caulk any vertical joints between metal components where water build-up inside of the channels could leak out.

After Installation:

- **Curing times:** Adhere to manufacturers’ recommended curing times for VHB tapes, silicones and any other adhesives, coatings or chemicals used during installation. Unless otherwise stated, it is recommended to wait 72 hours before using the enclosure.
- **Normal wear and tear:** Although these enclosures are designed to last for years, certain items (such as the polycarbonate seals and door sweeps) may need to be replaced as they show signs of aging and wear.

General Disclaimers

- **Shower Doors are not watertight:** Consumers should understand that a shower door is not watertight. The amount of water that can escape your shower can vary greatly based on shower/tub size, configuration of shower head(s), type of thresholds and drains and by the type of shower door itself. Heavy glass units with no or limited vinyl seals, for example, can allow water to escape under normal conditions. Doors with more metal and seals generally provide more water protection. Excessive water pressure or directing shower heads or hand held sprays directly at doors or joints is not a normal shower conditions and can result in leaks.
- **Towel bars, handles and accessories** are in no way considered to be grab bars or other bracing or fall prevention mechanisms. The intent of these accessories is to facilitate proper operation or enhance the esthetics and functionality of the unit.

Owners Manual:

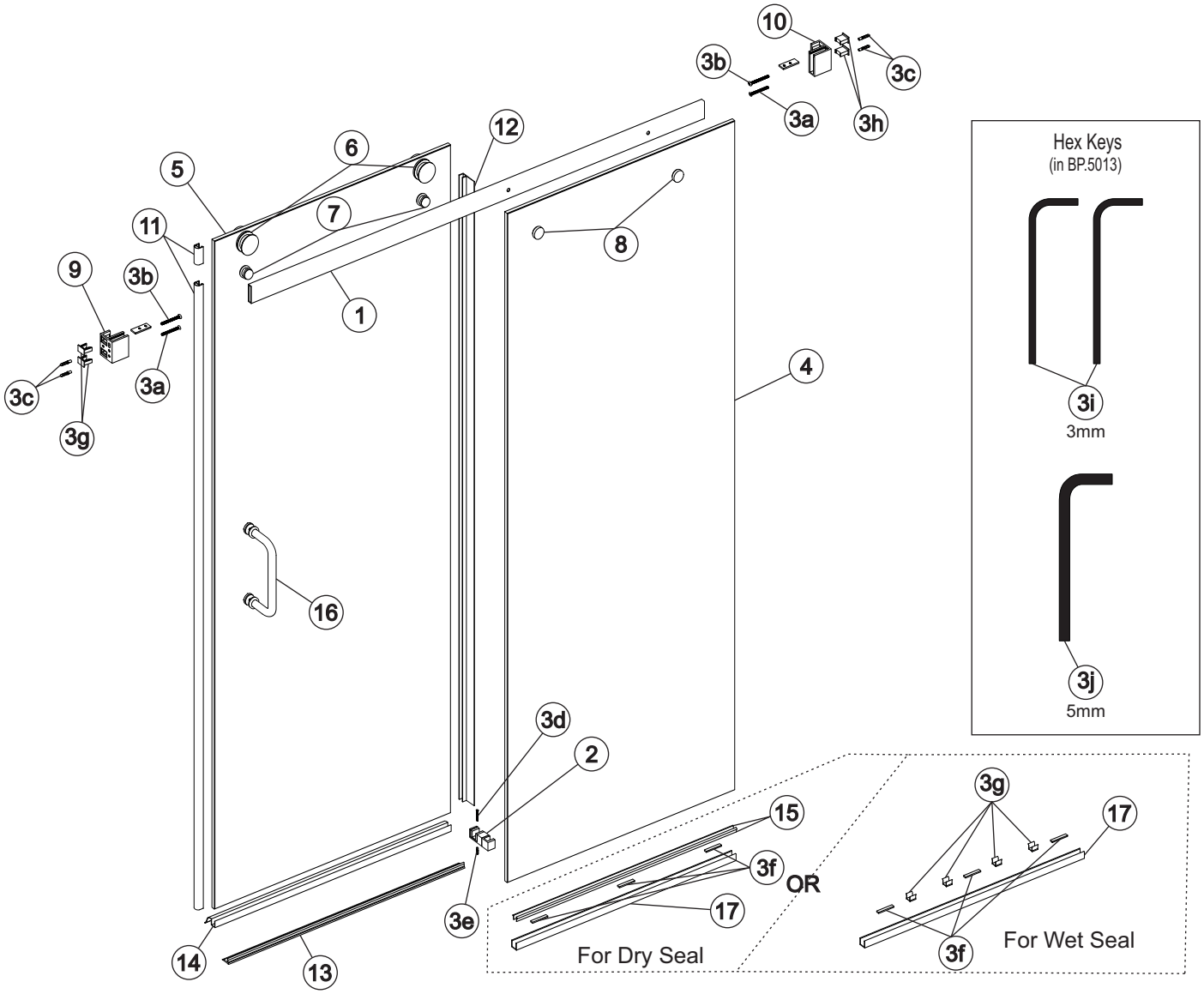
Refer to your Owners Manual for general installation and cleaning and care instructions. If a copy of the Owners Manual was not included, you can download one on the RESOURCES page of our website.

Questions or Comments:

1-800-843-3332

Parts Diagram for NSE180, NTE180, LSE180 or LTE180

(Install procedure is the same regardless of height of unit)

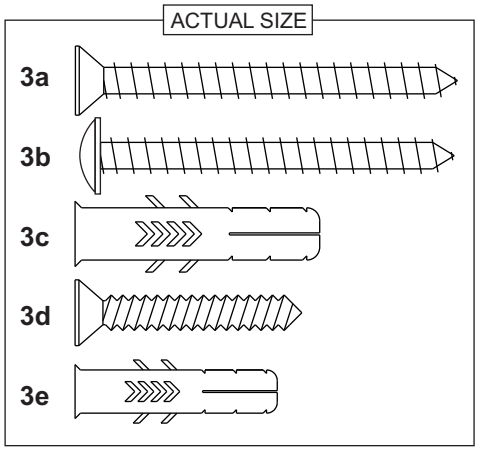


Parts List

ITEM	PART #	DESCRIPTION	QTY
1	HA.323X*	60 1/4" Header Bar	1
2	HA.3225	Center Guide	1
3	BP.5013	Install Bag	1
4	3/8" Glass	Fixed Panel	1
5	3/8" Glass	Sliding Panel	1
6	HA.3201	Roller	2
7	HA.3202	Anti-jump	2
8	HA.3227	Panel Connector	
9	HA.3222	Left Header Block	1
10	HA.3223	Right Header Block	1
11	VN.4305	Bulb Seal	1
12	VN.4306	Fin Seal	1
13	VN.4314	Soft Sill	1
14	VN.4308	Bottom Sweep	1
15	VN.4031	Snap Vinyl	2
16	HA.27XX	Handle	1
17	EX.1018	U-Channel	1

ITEM	PART #	DESCRIPTION	QTY
3a	in BP.5013	M5x60 Flat Head Philips Head	3
3b	in BP.5013	M5x60 Truss Head Philips Head	3
3c	in BP.5013	5mm Wall Anchor	7
3d	in BP.5013	M4x30 Flat Head Philips Head	2
3e	in BP.5013	4mm Wall Anchor	2
3f	in BP.5013	Assorted Setting Blocks	9
3g	in BP.5013	Centering Clips	2
3h	in BP.5013	Bumpers	2
3i	in BP.5013	3mm Hex L Key	2
3j	in BP.5013	5mm Hex L Key	1

**There are three potential part numbers for the header:*
HA.3236 - 53 1/4" with pre-drilled holes
HA.3237 - 60 1/4" with pre-drilled holes
HA.3238 - 83 7/16" with no holes



Extra screws and parts may be provided for your convenience

READ FIRST

Important Information about using Anchors and Screws:

When drilling into a vertical, horizontal or sloped surfaces of a tub, shower, wall or ceiling, follow these steps to help avoid **moisture damage**:

1. Drill hole and evacuate all debris
2. Insert silicone into the hole
3. If using an anchor:
   a. Insert anchor (cut anchor shoulder off if it interferes with part being attached)
   b. Insert silicone into anchor and any open gaps
4. Position part over hole/anchor, insert screw and tighten
5. Apply silicone around diameter of screw head and over the top of the screw

READ FIRST

Installation Steps for NSE180, NTE180, LSE180 or LTE180

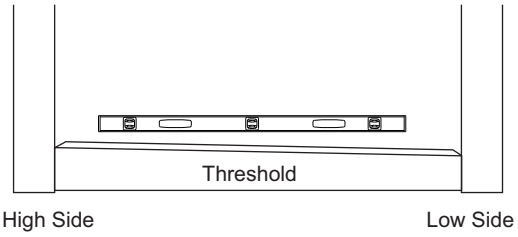
STEP 1 - EVALUATE INSTALLATION & THRESHOLD

a. Installation: these instruction assume the shower head is on the left side of the shower. If your shower head is on the right, the STEPS are the same, but part need to be reversed.

b. Threshold: with a level, determine the vertical threshold outage as shown in Illustration #1. Maximum recommended vertical threshold outage from side to side is ¼".

c Mark high side and low side of threshold. The first header block will be installed on the high side.

Illustration #1



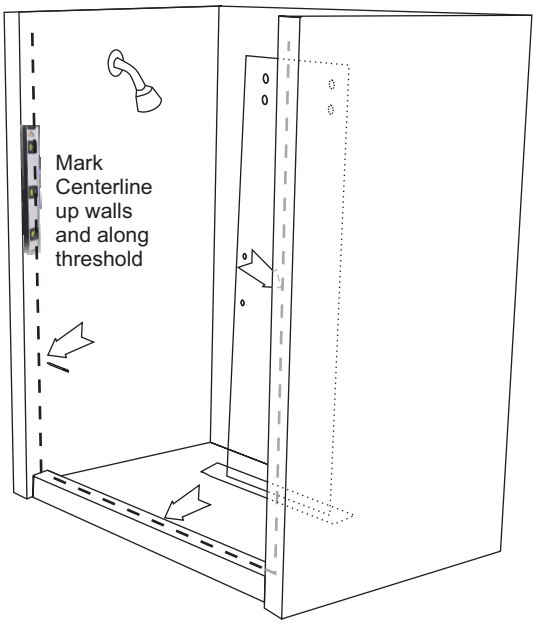
STEP 2 - CENTERLINE

a. To ensure proper placement of the unit, measure the depth of the threshold. If it is 2-5/8" or deeper, proceed to b. If narrower than 2-5/8", familiarized yourself with the information on Page 13.

b. Mark the location of the center of the threshold.

c. Draw overall unit centerline on threshold and walls. A laser or plumb-bob is handy to determine and mark the centerline.

Illustration #2



STEP 3 - HEADER BLOCK HEIGHT CALCULATION

a. Measure height of the Fixed Panel (ITEM #4):

_____

NOTE: stationary glass panel has 2 each 7/8" diameter holes toward the top of the panel (see right)

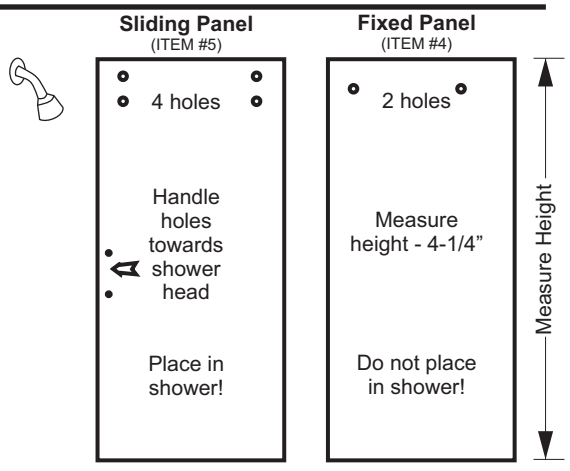
b. Subtract 4-1/4" from this measurement:

_____

c. This is the height from the threshold to the bottom of the Header Block (ITEM #9 or #10) in the following step.

d. At this time take the sliding glass panel (Illustration #2) and lean it against the back wall of the shower so the handle holes are facing the shower head. Be sure to place cardboard or a soft material between the glass and the floor.

Illustration #3



STEP 4 - MOUNT FIRST HEADER BLOCK

a. This unit has a left and right header block. Install the first block on the high-side of the shower (STEP 1). This installation sheet shows the showerhead on the left in the illustrations which happens to be the high-side wall as well.

Left Header Block (ITEM #9)

Right Header Block (ITEM #10)

b. Use measurement from STEP 3b and mark this distance up the high-side/shower head wall along the centerline. This is the location of the BOTTOM of the Header Block. See illustration #3 for alignment details.

c. Insert two Pinch Clips (ITEM #3g) into this Shower Head side Header Block

d. Take the opposite Header Block and insert two 20mm Bumpers (ITEM #3h) through the holes in the back side. See Illustration #4 for orientation of Pinch Clips and Bumpers. They should be flush to back of the Header Blocks.

NOTE: Refer to the "Proper Backing" bullet on Page 2.

d. Place the bottom of the first Header Block on the mark and center screw holes on the centerline.

e. Mark two Header Block hole locations on the wall. Note: 3rd hole between the pinch clips is optional.

f. Remove the Header Block and drill a hole at each mark with a 5/32" drill bit. Enlarge hole through the tile with a 1/4" carbide bit to ensure screw will not crack the tile.

g. Secure the Header Block with one Truss Head screw (ITEM #3b) in the top slot and one screw (ITEM #3a, Flat Head) in the bottom hole.

STEP 5 - HEADER LENGTH

a. Measure the width **W**, wall to wall, at the height of the header blocks **W**: _____

b. Calculate the header cut length **L** by subtracting 3/4" from **W**

L = **W** - 3/4" **L**: _____

c. Measure the header, and compare the header length to the desired header cut length **L**. If they are equal, continue to **STEP 6**. If not, consult page 14 of this booklet for additional steps.

Illustration #4

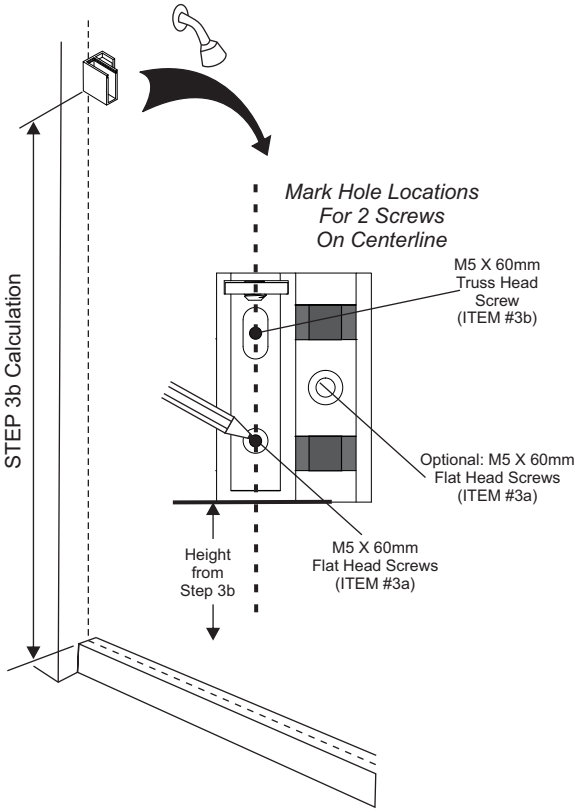


Illustration #5

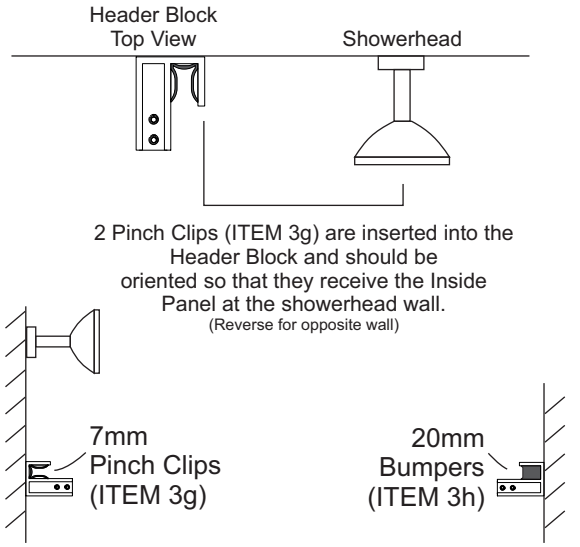
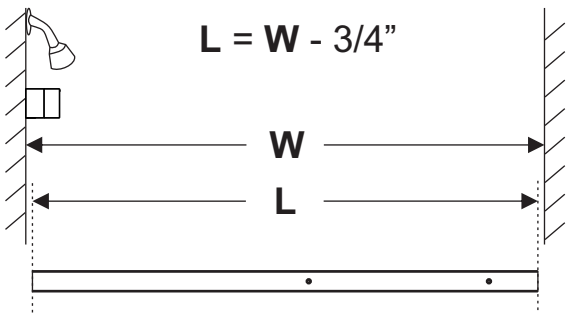


Illustration #6



STEP 6 - SECURE SECOND HEADER BLOCK

NOTE: Assistance is recommended for this step.

a. Hold the second Header Block on the opposite wall directly on the center line at the height of the first header block.

b. Insert Header Bar into the cavities of the two Header Blocks.

c. Using a level, position the loose Header Block until the Header Bar is level and the Header Block is centered on the centerline. Mark outline of the Header Block.

d. Set Header Bar aside. With the Header Block aligned in the outline, mark the center of the slot location on the wall.

e. Remove the Header Block. Drill a hole at this mark with a 5/32" bit and enlarge hole through the tile with 1/4" drill bit.

f. Ensure bumpers are inserted into the right Header Block, be sure to follow the orientation shown in Illustration #3.

g. Temporarily secure the Header Block with one M5 X 60mm THPH Screw (ITEM #3b, Truss Head) in the top slot.

h. Place the Header Bar back into the cavities of the Header Blocks and check if it is level. If needed, adjust the Header Block using the center slot. If needed mark the new location.

I. Remove the Header Bar and mark the bottom hole on the wall.

j. Remove the Header Block. Drill the bottom hole with a 5/32" drill bit and enlarge hole through the tile with 1/4" drill bit.

k. Secure the Header Block with the M5 Truss Head and a M5 X 60mm FHPH Screws (ITEM #3a).

STEP 7 - INSTALL PANEL CONNECTORS

a. Disassemble the Panel Connectors (ITEM #7) into its three major components as shown in Illustration #7

b. Attach items #7a and #7b to the holes drilled in the Header (ITEM #1) and securely tighten them with the 3mm Allen wrenches

c. Save #7c for STEP 10

Illustration #7

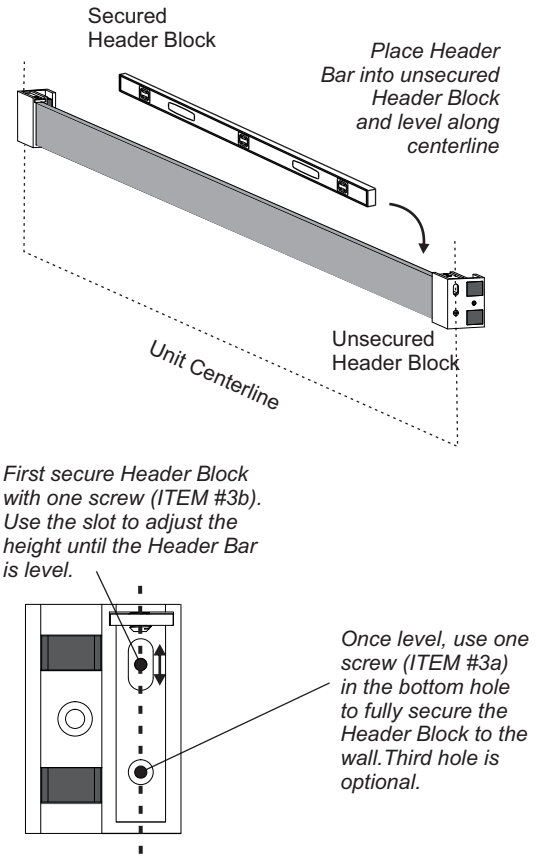
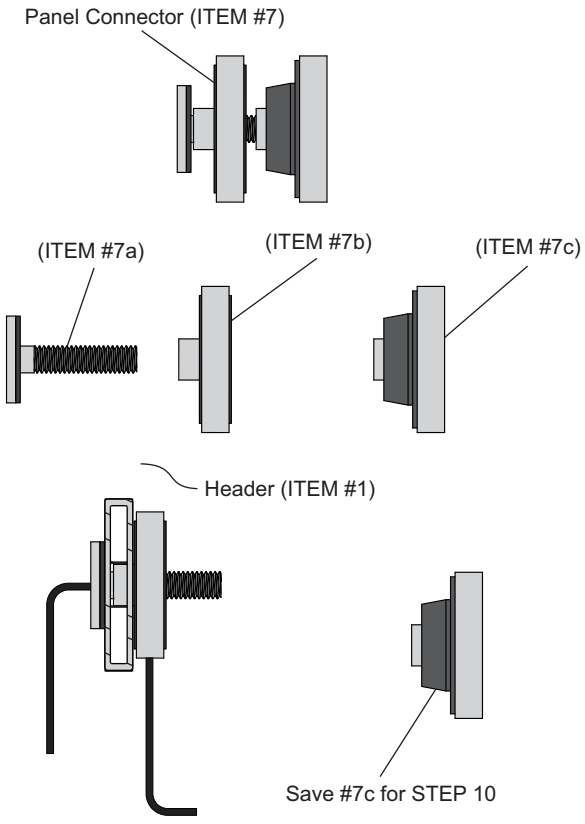


Illustration #8



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STEP 8 - PREPARE BOTTOM CHANNEL

a. Measure the width of the stationary panel (ITEM #4)

b. Subtract 3/4" from this measurement

c. Prepare the Bottom Channel (ITEM #17) by cutting its total length to the result of step 8b

NOTE: Choose glazing method at this point

- **DRY GLAZE (Vinyl):** Will use two pieces of Snap Vinyl after Glass Panel is in final position.

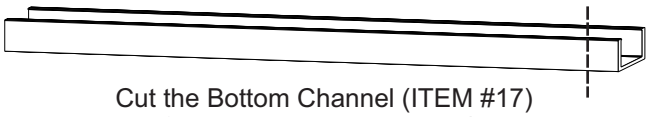
OR

- **WET GLAZE (Silicone):** In addition to the Setting Blocks, also insert three Centering Clips (8b) into the sill between setting blocks. You will have to silicone glaze both sides of the panel to the Bottom Channel after Panel is in final position.

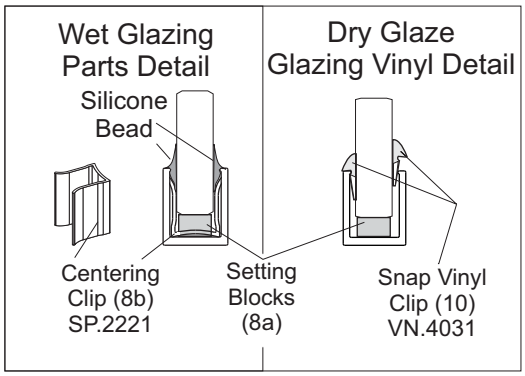
d. Position the Bottom Channel in front of the centerline and butt the end against the wall

e. Secure the Bottom Channel with blue painters tape to ensure it remains secure during the panel installation.

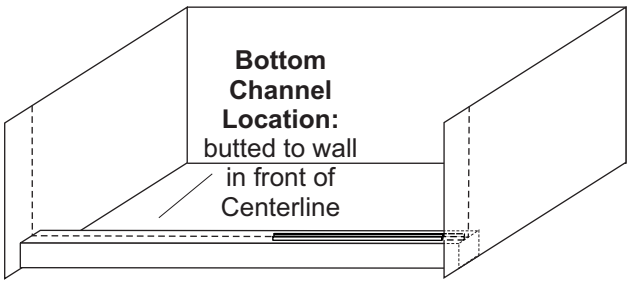
Illustration #9



Cut the Bottom Channel (ITEM #17)
Stationary Panel Width - 3/4"



Choose Glazing Method

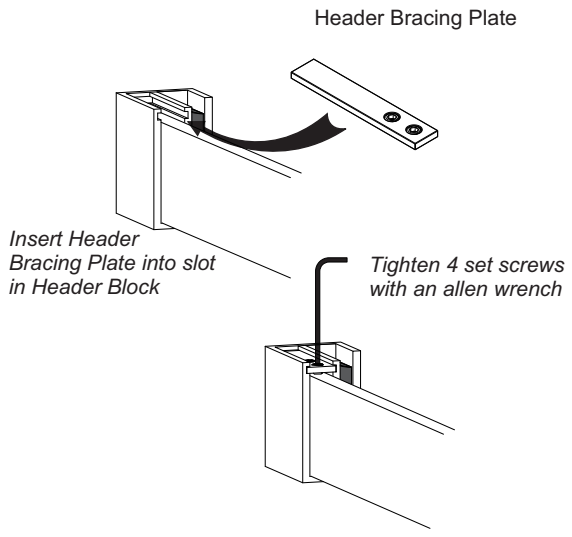


STEP 9 - SECURE HEADER BAR

a. Insert the Header Bar back into the cavities of the Header Blocks. So the spacing from the end of the bar to the wall is approximately the same at each end.

b. Insert the Header Bracing Plates in the Header Blocks. The Bracing Plates should remain loose until the stationary panel is securely in its final position, after STEP 10.

Illustration #10



STEP 11 - INSTALL CENTER GUIDE

a. Check that the Center Guide (ITEM #2) is in the correct orientation for the fixed panel. The Center Guide is reversible by loosening the set screw with the supplied Allen wrench, and rotating the “C” component. See illustration #12 for detail.

b. Place the center guide onto the threshold and insert the fixed panel into the “C” component. Mark the hole location (Illustration 13)

c. Installer must choose whether to use the recommended Bottom Sweep (ITEM #14) or not use it. The thinner black guide on the left is used with the sweep. The thicker right insert is used if no sweep is used. After choosing which insert is used, continue with step d.

NOTE: Using the Bottom Sweep is highly recommended because it greatly improves water protection. If the Bottom Sweep is not used it is easier for the water to escape the shower..

d. Review the **Read First - Anchors and Screws** instructions on Page 4 before proceeding.

e. Remove the Center Guide and drill a hole on the mark with a 1/4” drill bit.

f. Fill hole with silicone and insert M4 Wall Anchor (ITEM #3e)

g. Fill anchor with silicone.

h. Add silicone to bottom of Center Guide and set in place on threshold.

i. Add the guide insert chosen in step 8c to the Center Guide

j. Secure Center Guide with the M4 X 30mm screw (ITEM #3d)

Illustration #12

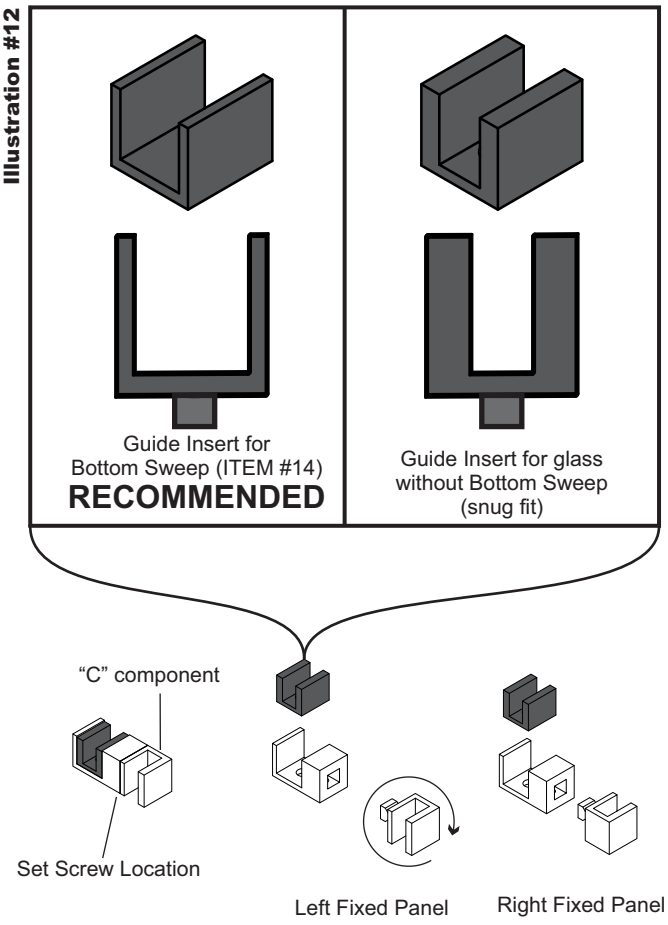
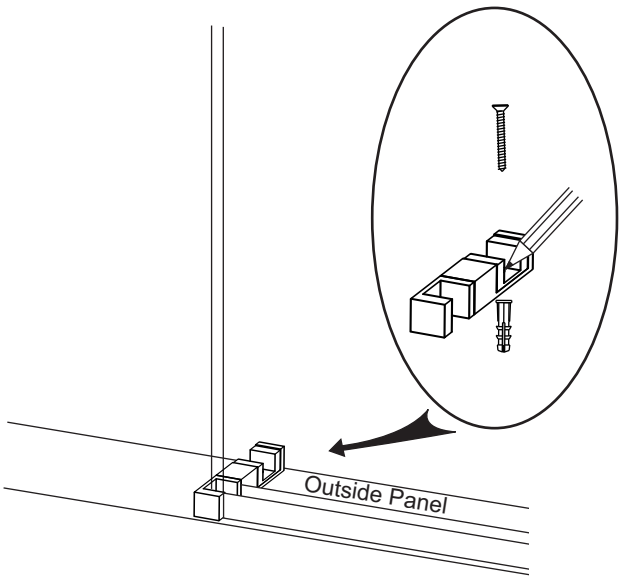


Illustration #13



STEP 10 - INSTALL FIXED PANEL

a. Set the Fixed Panel (ITEM #4) into the Bottom Channel (ITEM #17)

b. Holes should line up with the Panel Connectors (ITEM #7) already installed in the Header (ITEM #1). If the holes do not line up, you may have to raise or lower the Fixed Panel by adjusting the Setting Blocks (ITEM #3f)

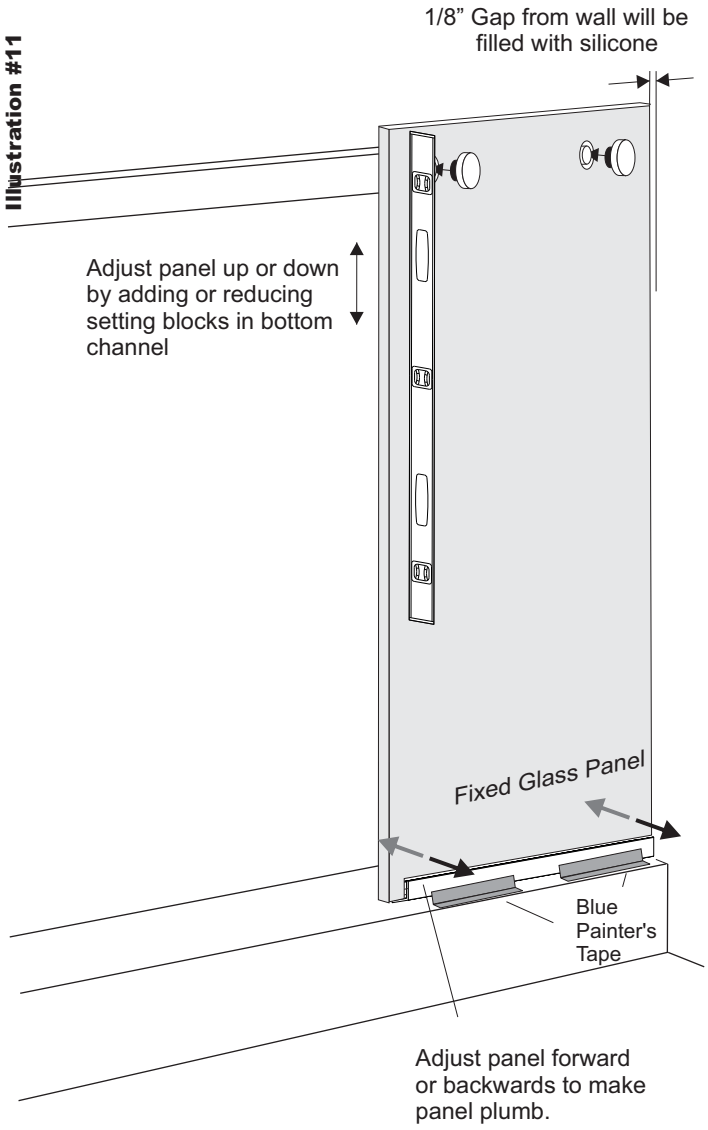
c. Space the panel so there is a 1/8” gap between it and the wall. This will be filled with silicone during the final steps of installation

d. After adjusting the panel, use the Panel Connector Caps (ITEM #7c) saved from STEP 7 to secure the Fixed Panel to the Header. Tighten securely with the supplied Allen wrenches

e. With the top of the Fixed Panel secured, loosen the blue painters tape. With the Bottom Channel loose, check if the Fixed Panel is plumb with a level. Make adjustments using a rubber mallet by tapping the bottom of the panel into position.

f. Once the Fixed Panel is plumb and properly spaced 1/8” from the wall, secure the Bottom Channel with the blue painters tape to ensure it does not move until the final steps of the installation.

Illustration #11



STEP 12 - INSTALL SLIDING PANEL

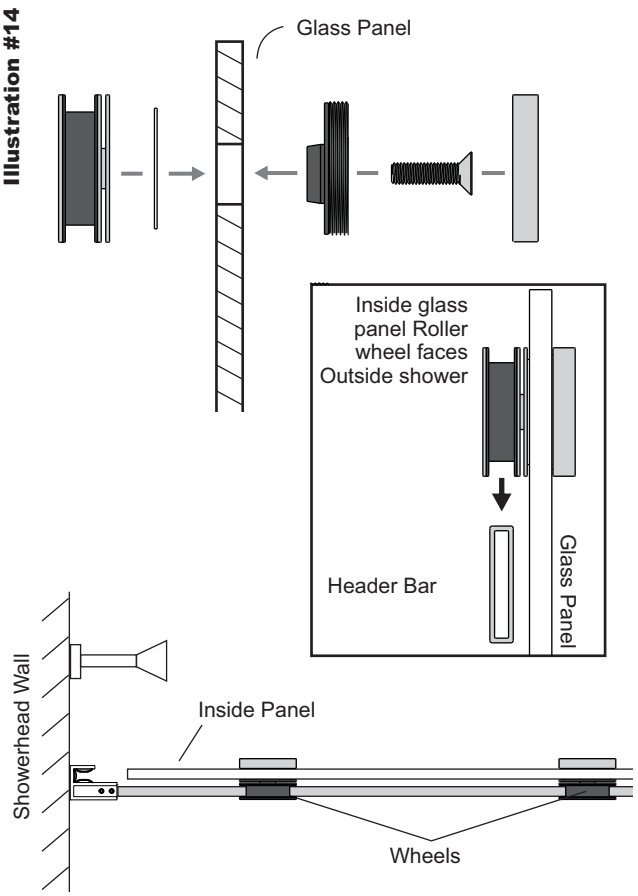
a. Mount two Roller assemblies (ITEM #6) as shown in Illustration #14. The side of the panel with the wheels will be oriented to the outside of the shower.

b. Using the Bottom Sweep (ITEM #14) provides maximum water protection, but this step is optional.

Trim the Bottom Sweep to the width of the glass panels. Install one around the bottom edge of the Inside Panel so that the tail is oriented towards the inside of the shower.

c. Hang Inside Panel on the inner rail of the Header Bar (ITEM #1).

Illustration #14



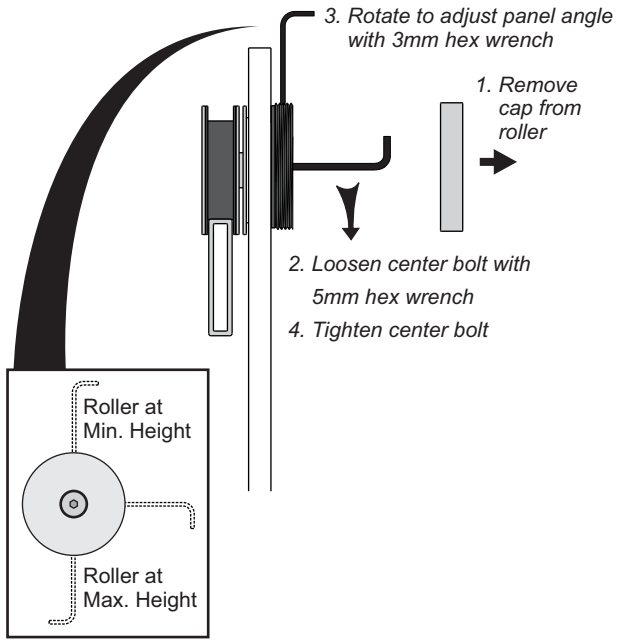
STEP 13 - ADJUST ROLLERS

a. Holding a level on top of the sliding glass panel, determine if it is level.

b. If sloped, adjust the Rollers (ITEM #6) as shown in Illustration #15 until the panels are level.

Illustration #15

ROLLER ADJUSTMENT



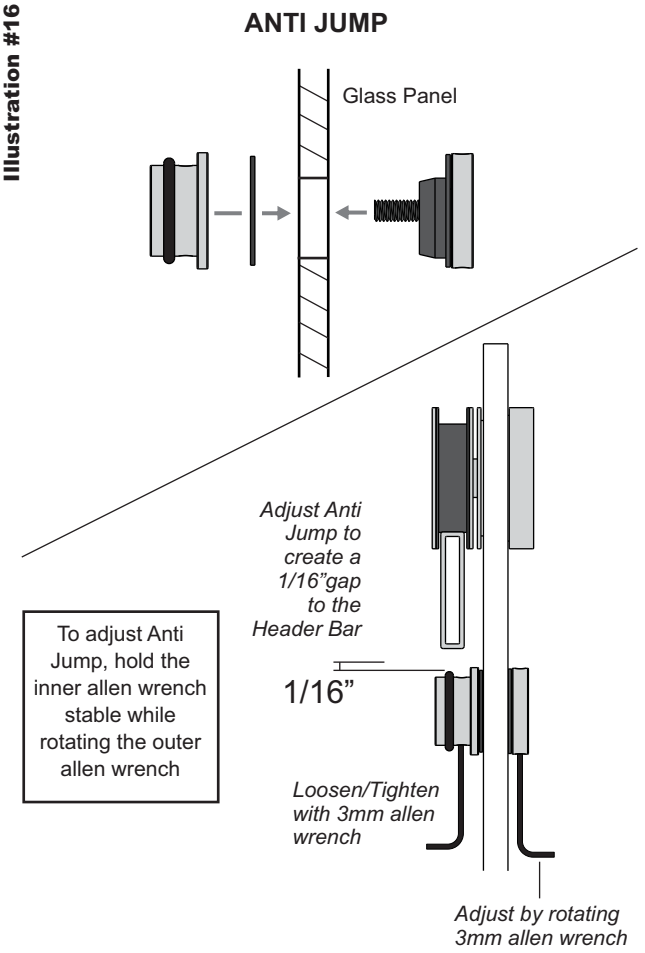
STEP 14 - INSTALL AND ADJUST ANTI JUMPS

a. Assemble two Anti Jumps (ITEM #7) onto each glass panel so that they are snug but not tight.

b. Rotate outer cam/cap with the provided 3mm hex keys as demonstrated in Illustration #16 to raise or lower Anti Jumps until they are approximately 1/16” from the bottom of the Header Bar.

c. While holding the outer cam/cap in position, tighten the Anti Jump against the glass.

Illustration #16



STEP 15 - INSTALL PULL AND VINYL

a. Cut two pieces of Bulb Seal (ITEM #11) to fit the height of the glass, below and above the header block. Install at the edge of the glass that will be closest to the wall at the closed position. Notch the Bulb Seal to fit around the Bottom Sweep.

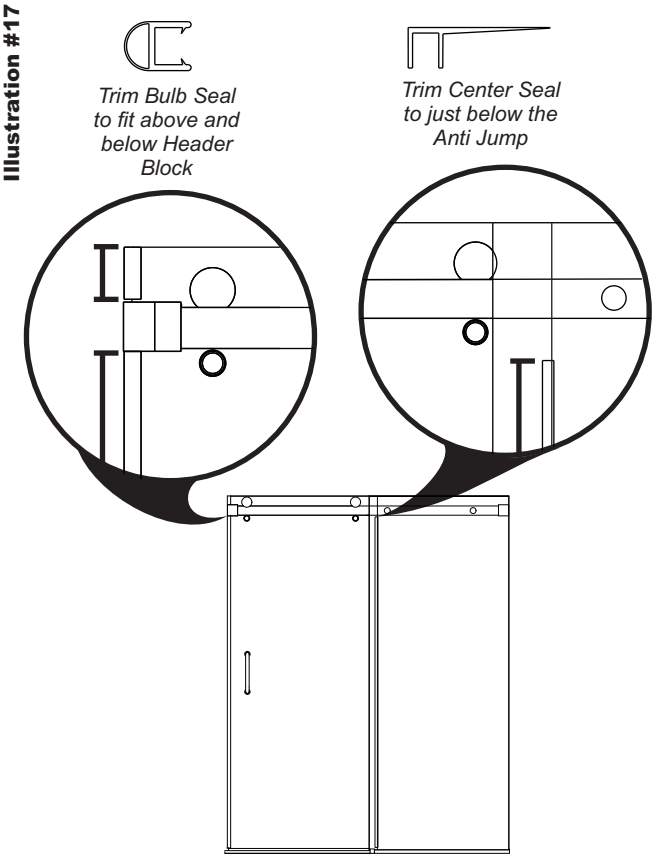
NOTE: The Bulb Seal is important to protect the glass from coming into contact the wall.

b. If there are gaps between the Bulb Seal and the wall due to uneven wall conditions, the Rollers can be adjusted to angle the glass panels parallel with the wall. This will help maximize the water protection. See Illustration #15 for instructions on Roller adjustment.

c. Optional: Trim the Center Seal (ITEM #12) to fit between the bottom of the glass and just below the Anti Jump. Install the Center Seal along the centermost edge of the inner glass panel when in the closed position. Notch the Center Seal at the bottom to fit around the Bottom Sweep

d. Disassemble the Handle (ITEM #16) and install onto the sliding glass panel. Ensure the Plastic hole grommet is inside the holes of the glass! Failure to do so could result in the panel chipping or breaking.

Illustration #17



STEP 16 - INSTALL SOFT SILL

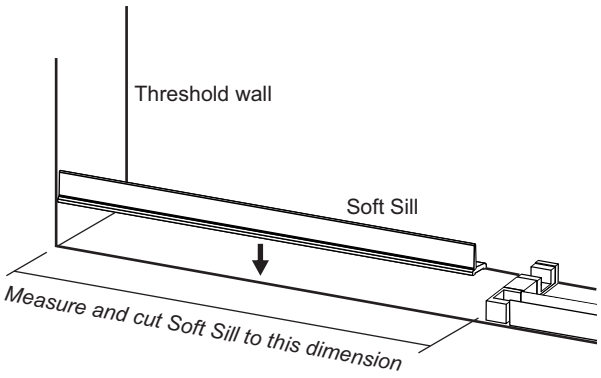
a. Measure the distance between the wall and the nearest side of the Center Guide, see Illustration #18.

b. Cut Soft Sill (ITEM #13) to this dimension.

NOTE: Clean adhesion surface with alcohol and dry thoroughly.

d. Peel the backing off the tape on the Soft Sill and stick in place on the threshold. The outer edge of the Soft Sill should line up with the outer face of the Center Guide.

Illustration #18

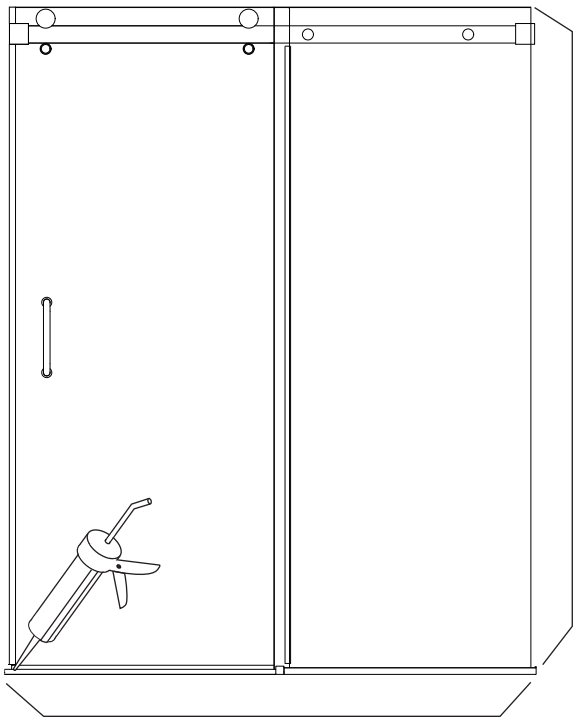


STEP 17 - SILICONE

a. Run a continuous bead of silicone along the bottom outside and inside of the Soft Sill crossing the Center Guide.

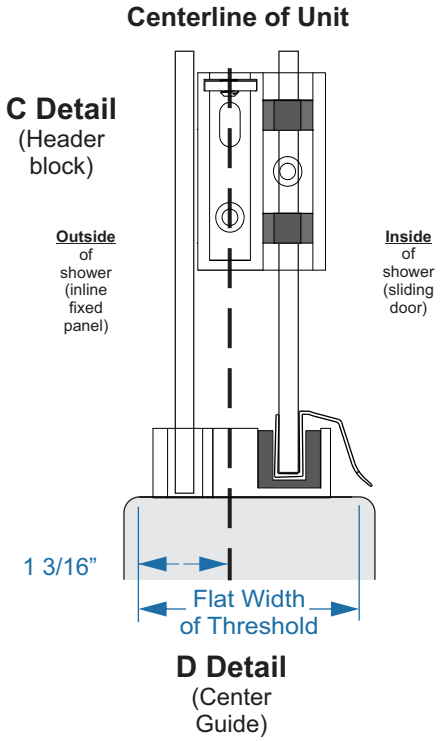
b. Allow silicone to cure for 24 hours before using the shower.

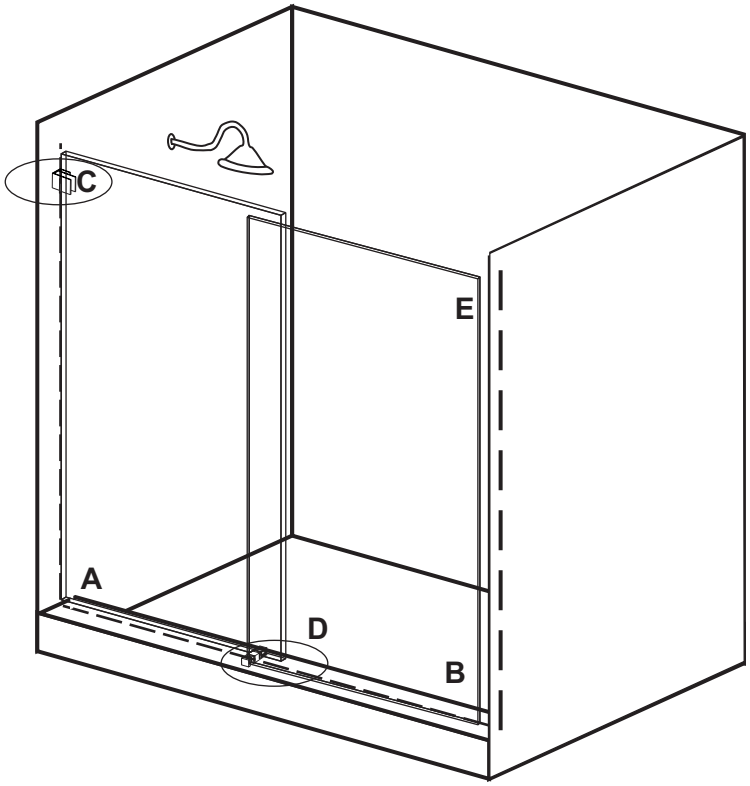
Illustration #19



Apply a Single Bead along inside and outside of Soft Sill and Center Guide

Placement and Measuring Guide for NBSE180/NBTE180 or LBSE180/LBTE180 Slider





Threshold Centerline (A to B)
- The “flat width” of the threshold does not including rounded edges
- Measure at least 1 3/16” from front to back of the flat to locate the Centerline of the unit. Draw this line from A to B.

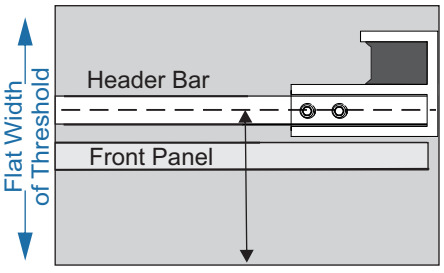
Vertical Centerline (A to C)
- Using a level, extend the Threshold Centerline vertically up Both walls
- Note the Header Block is installed on these centerlines (Detail C & E)

Center Guide (Detail D)
- The center guide will extend approximately 1 3/16” in front of the Threshold Centerline (A to B). This can deviate somewhat due to adjustments made during installation.

- **Alternate D Detail:** If the “flat” is less than 2 1/2”, the center guide will have to hang over the back. This is common for many molded shower pans. It can prohibit you from using the screws and anchors to secure the center guide. If there is not enough room to screw the center guide, use a high quality VHB tape and silicone to secure the center guide as shown to the right

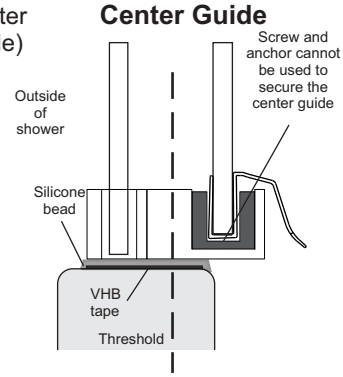
How to Measure:
- To provide proper Threshold dimension, measure from A to B. Use a level to check conditions. There should be no more than 1/4” deviation from A to B
- Measure the desired or standard height of your unit along A to B.

B Detail



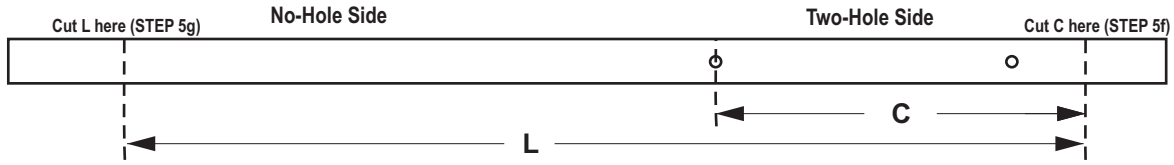
Alternate D Detail (Center Guide)

Overhanging Center Guide



Header Cutting Guide for NBSE180/NBTE180 or LBSE180/LBTE180 Slider

Illustration #20



STEP 5 (continued) - HEADER LENGTH

d. Measure the width of your Fixed Panel (ITEM #4)

See illustration #21

FP:_____

e. Subtract 4 1/8" from the width of the Fixed Panel (**FP**) to find **C**

FP - 4 1/8" = **C**:_____

f. Find **C** in illustration #20 above. Measure **C** from the pre-drilled hole in the header that is closest to the center of the header. Mark and cut the **C** location from the two-hole side of the header as shown in the illustration.

g. From the newly cut end on the two-hole side, mark and cut the distance **L** calculated in step 5b on the no-hole side. Continue on to step 6 on page 6.

Illustration #21

Fixed Panel
(ITEM #4)