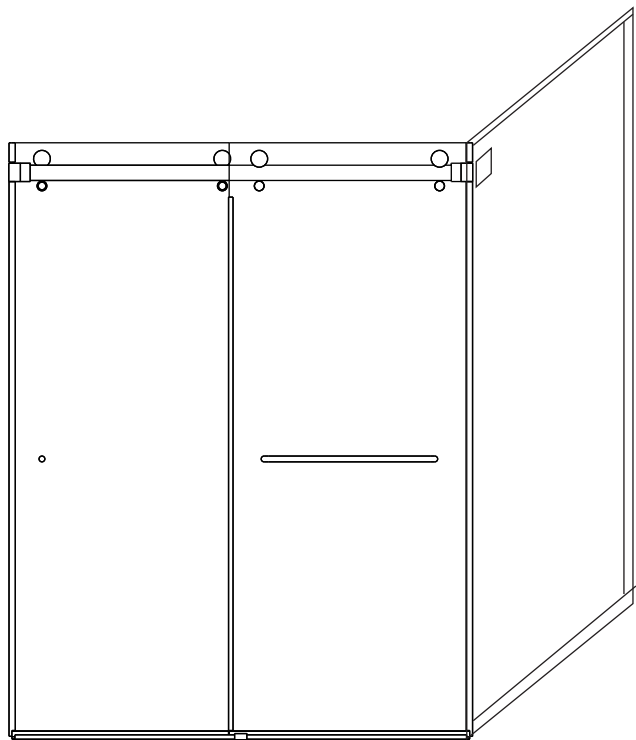


Installation Instructions for

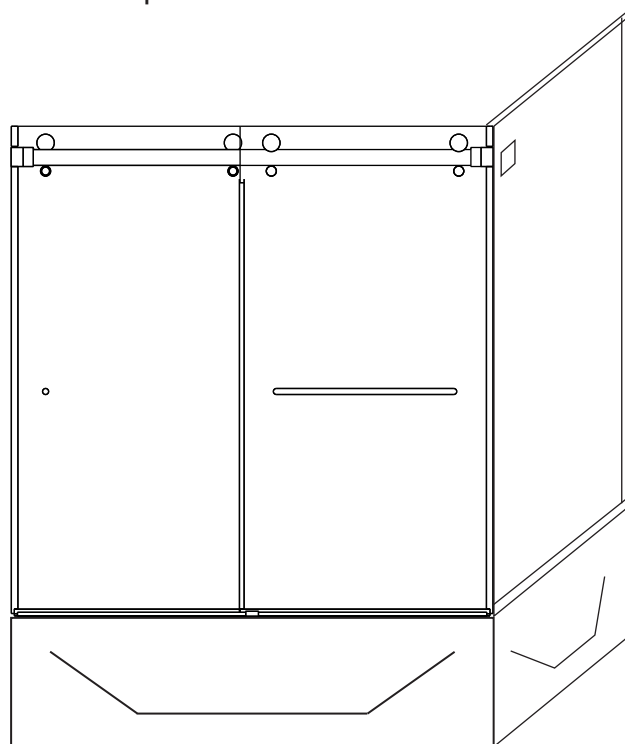
3/8" Door Models: **NBSE90/NBTE90 or LSBE90/LBTE90**

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.



NBSE90/LBSE90



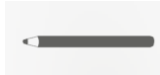
NBTE90/LBTE90

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

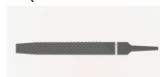
- * Pencil or water soluble felt pen



- * Hacksaw with 24 tooth blade



- * Metal file (smooth sharp edges)



- * Tape measure



- * Clear 100% Silicone (recommended)



- * #2 Phillips Screw driver



- * 3/16", 1/4", 3/8" drill bits (carbide for tile)



- * Caulking gun



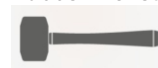
- * Drill, electric or battery



- * 4 ft. Level



- * Rubber mallet



- * Razor knife



P/N MM.5074
rev060920

READ ENTIRE MANUAL BEFORE INSTALLATION AND OPERATION

Warnings and General Shower Door Information



**SAFETY
WARNINGS:**



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.

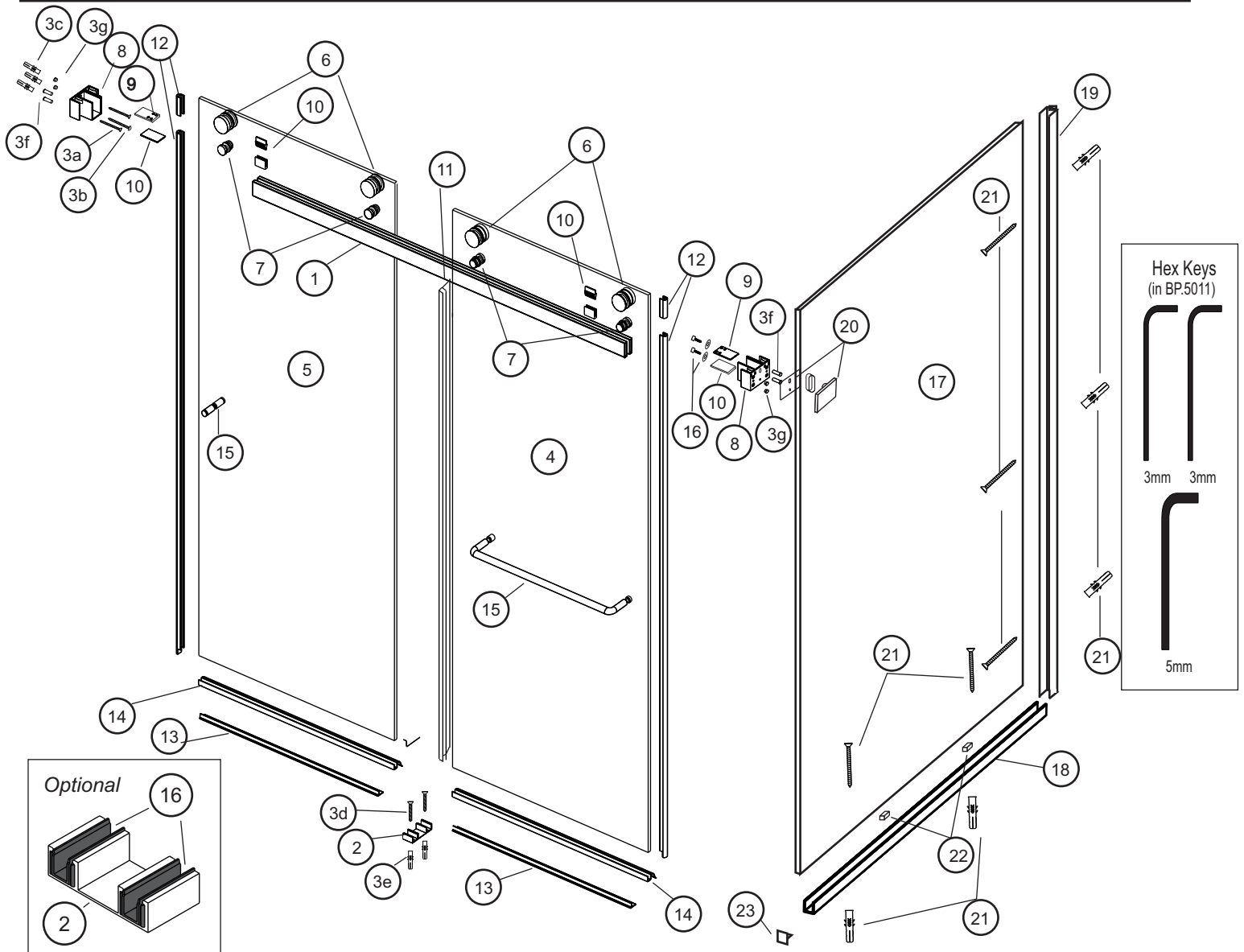
Questions or Comments:

1-800-843-3332

Parts Diagram for NBSE90, NBTE90, LSE90 or LBTE90

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

Page 3

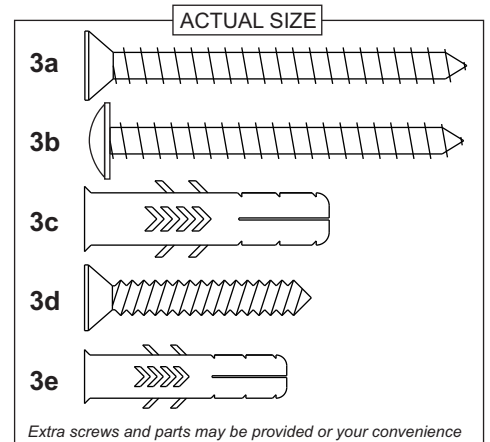


Parts List

ITEM	PART #	DESCRIPTION	QTY
1	HA.3230	59 1/2" Bar Header *	1
2	HA.3212	Center Guide	1
3	BP.5011	Part Bag	1
3a	in BP.5011	M5 X 60mm FHPH Screw	6
3b	in BP.5011	M5 X 60mm THPH Screw	3
3c	in BP.5011	M5 Wall Anchor	9
3d	in BP.5011	M4 X 30mm FHPH Screw	3
3e	in BP.5011	M4 Wall Anchor	3
3f	in BP.5011	7mm Stopper	5
3g	in BP.5011	30mm Stopper	5
3h	in BP.5011	Header Wedge Stabilizer	2
Not Shown	in BP.5011	M6-1.0X5mm Set Screw	4
Not Shown	in BP.5011	Pinch Clips	2
4	3/8 Glass	Outside Panel	1
5	3/8 Glass	Inside Panel	1

*If bar is longer than 59 1/2", the Part Number is HA.3231

ITEM	PART #	DESCRIPTION	QTY
6	HA.3201	Roller	4
7	HA.3202	Anti Jump	4
8	HA.3211	Header Block	2
9	HA.3210	Header Bracing Plate	2
10	HA.3206	Header Shim	4
11	VN.4306	Center Seal	1
12	VN.4305	Bulb Seal	4
13	VN.4314	Soft Sill	2
14	VN.4308	Bottom Sweep	2
15	HA.27XX	Towel Bar and Knob	1
16	HA.3215	Center Guide Inserts	2
17	1/2" Glass	90° Panel	1
18	EX.1015	Panel Sill	1
19	EX.1015	Wall Channel	1
20	HA.3214	90° Adaptor Kit	1



Extra screws and parts may be provided for your convenience

ITEM	PART #	DESCRIPTION	QTY
21	BP.3027	Screw Kit	1
22	BP.3028	Clear Setting Blocks	1
23	HC.2015	1/2" Channel End Cap	1

Installation Instructions

All Models

Page 4

READ
FIRST

Anchors and Screws:

When drilling, anchoring or screwing into a vertical, horizontal or sloped surface of a tub, shower, wall or ceiling, follow these steps otherwise **moisture damage can occur**:

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

STEP 1 - BOTTOM SILL

- a. To ensure proper placement of the unit, familiarized yourself with the information on page 10.
- b. With a level, determine the vertical threshold outage as shown in Fig. #1. Maximum recommended vertical threshold outage from side to side is 1/4".
- c. Mark the centerline onto the threshold and up the shower head wall using a water soluble marker or pencil. Fig #2
- d. Prepare Bottom Channel:
 - Measure the width of the Glass Panel and add 3/8".
 - Cut the Bottom Channel, Item #18 to this length.
- e. Re read note on **Horizontal surfaces and installation holes** on page 2 of this manual and **Read First - Anchors and Screws** instructions above and decide how to anchor bottom sill to threshold.
- f. If using screws, drill 3/16" holes in aluminum bottom sill, mark screw hole locations on threshold and follow **Read First - Anchor and Screw** instructions.
- g. Read and follow instructions in **Weep holes in horizontal channels** on page 2.
- h. Insert two 1/8" Clear Setting Blocks, Item #22.
- e. **Note:** due to the 1/2" thickness of the 90° panel wet glazing the panel with silicone is required. Fig #3

STEP 2 - WALL CHANNEL

- a. Drill 3 holes in Wall Channel, Item #19 and set in place on top of the panel sill. Use a level to plumb it and mark holes on wall. Remove channel. Fig #5
- b. Attach wall channel using anchors and/or screws and follow **Read First - Anchors and Screws** instructions.
- c. Apply silicone into the bottom channel where it meets the wall to seal up the end and keep water from running out the back end.

Fig #2

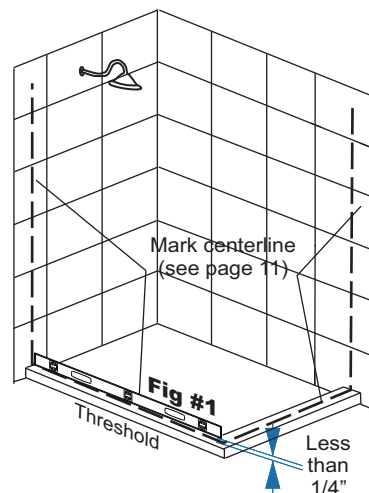


Fig #3

Wet Glazing Parts Detail

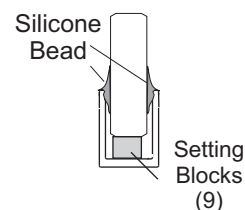


Fig #4

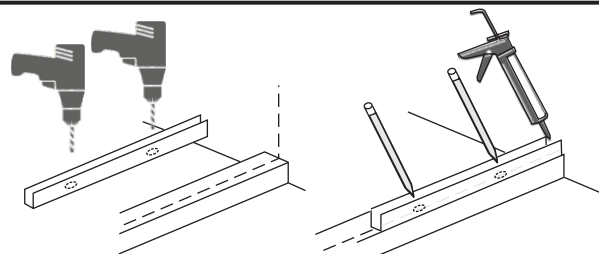
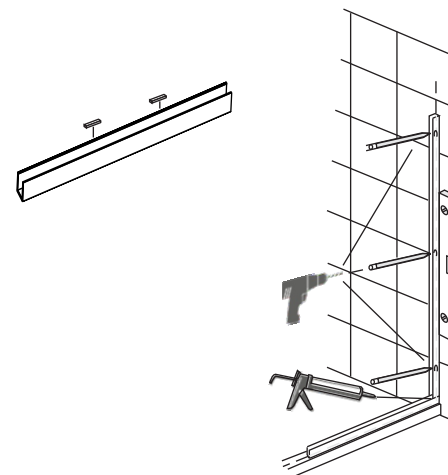


Fig #5



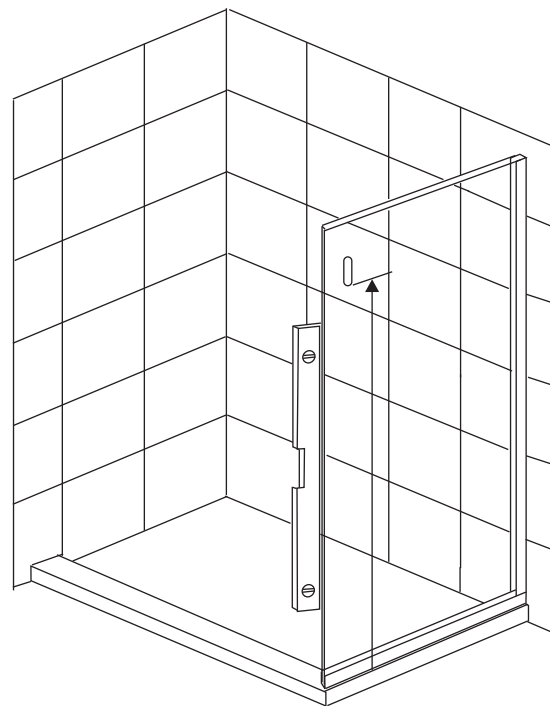
STEP 3- SETTING PANEL

- Set Panel in place into the Bottom Channel and Wall Channel.
- Plumb the exposed edge of the panel by using the setting blocks that are supplied to jack up the bottom corners as required.
- Measure from the top of the threshold to the bottom radius of the slot in the return panel. This measurement should be: The Overall Height of the unit minus 4 3/4". Fig.#6
- Wet Glaze: Run a bead of silicone in the gap between the glass and the inside of the channels on both sides. Silicone channel end clip Item #23 in place on the end of the channel

Final Seal: Run a bead of silicone along the joint on both sides where the metal channels meet the threshold, and wall.

Allow the silicone to cure for 24 Hours before proceeding.

Fig. #6

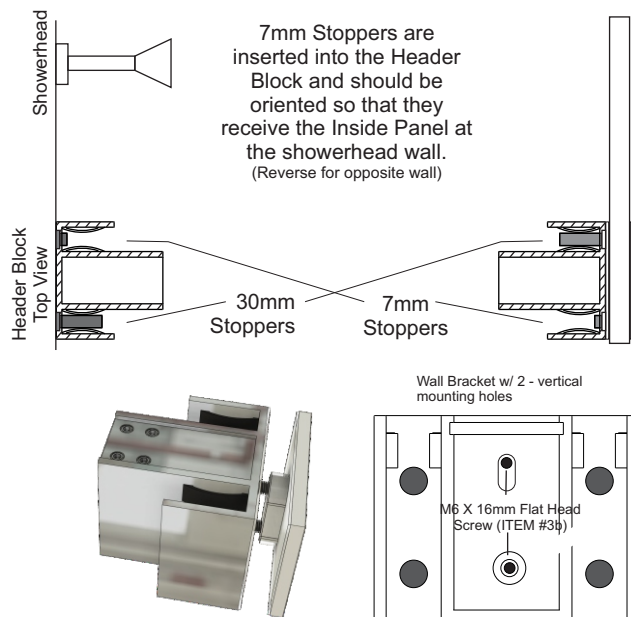


STEP 4 - INSTALLING HEADER BLOCK ON RETURN PANEL

- Install the 90° Bracket plate into the slot on the return panel making sure that the plastic gaskets are in place between the plate and the glass.
- Insert two 7mm Stoppers and two 30mm Stoppers through the holes in the backside of each Header Block. See Fig #7 for Stopper orientation. All bumpers should be flush to back of the Header Block. Fig. #7
- Install 2 - M6 X 16mm screws into the header block and screw it to the 90° Plate, See Exploded view on page 3.
- Temporarily place the Center Guide on the threshold center location. Check that the Center Guide will set fully on the threshold and not hang over the edge.

Note: If your threshold width is less than 3-in, or the center guide hangs over the edge, please review the Special Conditions on page 12

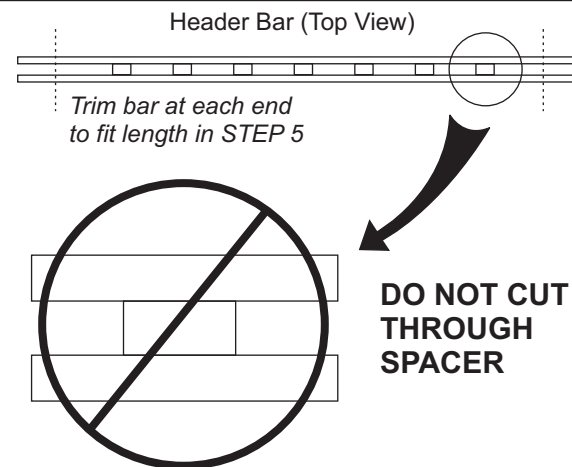
Fig. #7



STEP 4 - CHECK HEADER BAR LENGTH

- Your Header Bar may already be cut to size. To check, measure wall to face of return panel just below the Header Blocks and subtract 3/4".
- If your header is not this length, find the difference between the overall length of the Header Bar and your measurement. Remove half of this difference from each end of the Header Bar Fig. #8

Fig. #8



Installation Instructions

All Models

Page 6

STEP 5 - INSTALL SECOND HEADER BLOCK

NOTE:

- Refer to the "Proper Backing" bullet on Page 2. 
- Assistance is recommended for these next steps.
- a. Hold the second Header Block on the wall directly across from the header block on the return panel.
- 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 1/4" drill bit and insert a M5 Wall Anchor.
- f. Insert Stoppers into the Header Block, be sure to follow the orientation shown in Fig #7.
- g. Temporarily secure the Header Block with one M5 X 60mm THPH Screw (ITEM #3b).
- 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 locations of the outer Header Block holes on the wall.
- j. Remove the Header Block. Drill a hole at these marks with a 1/4" drill bit and insert M5 Wall Anchors.
- k. Secure the Header Block with two M5 X 60mm FHPH Screws.

STEP 6 - 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. Refer to the instructions on page 10 on how to install the optional Header Wedge Stabilizers.
- c. Insert the Header Bracing Plates in the Header Blocks. Tighten set screws with the supplied hex wrench Fig. #10.

Fig #9

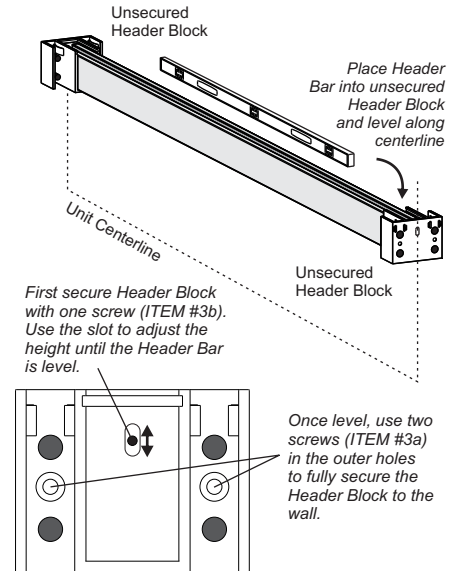


Fig #10

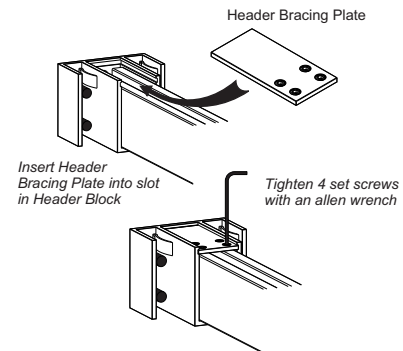


Fig #12

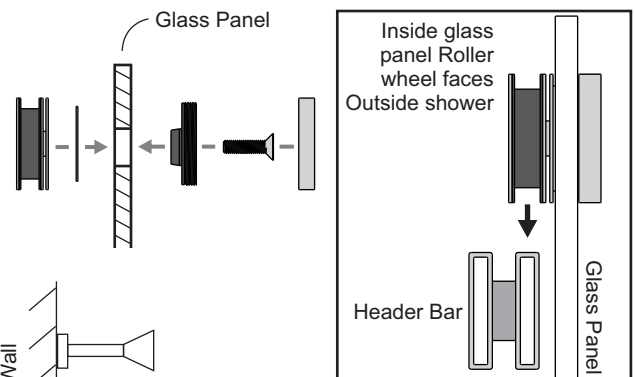
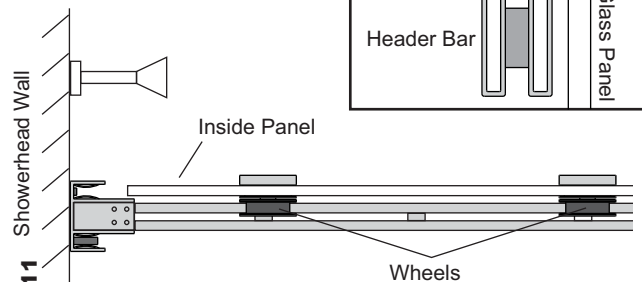


Fig #11



STEP 7 - INSTALL SLIDING PANELS

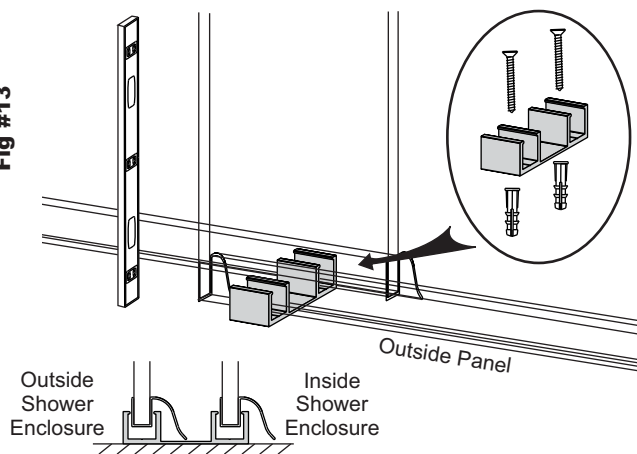
- Starting with the Inside Panel, mount two Roller assemblies as shown in Fig #12. The side of the panel with the wheels will be oriented to the outside of the shower.
- Using Bottom Sweeps (ITEM #14) provides maximum water protection.

**** If water protection is not as important, you can eliminate the vinyl and use plastic inserts (ITEM #16) and fit them into the Center Guide as shown at the bottom of Fig #8. ****

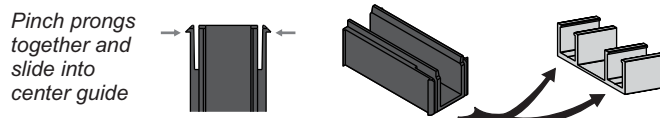
Otherwise, trim two pieces of the Bottom Sweep to the width of the glass panels. Install one around the bottom edge of the Inside Panel so that the tail is oriented towards the inside of the shower.

- Hang Inside Panel on the inner rail of the Header Bar.
- Mount both wheels onto the Outside Panel and install the other Bottom Sweep using the same procedure as above. The wheels and the tail of the vinyl should be oriented to the inside of the shower.
- Hang Outside Panel on the outer rail of the Header Bar.

Fig #13



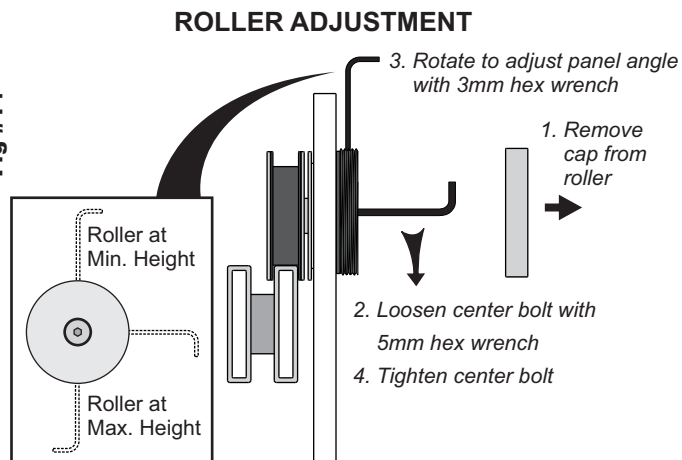
NOTE: The above method provides maximum water protection, but if it is preferred to remove the bottom sweeps then two plastic center guide inserts must be used to protect the glass panels.



STEP 8 - INSTALL CENTER GUIDE

- Move both panels to the middle of the Header Bar.
- Slide the Center Guide under both panels then close both panels and align the center guide to the middle of the overlap in the panels See Fig #13
- Use a level to make sure panels are plumb and adjust the Center Guide front to back to achieve best result.
- Mark Center Guide edges or outline on the threshold.
- Remove the Glass Panels. Ensure the Center Guide is still in place and mark the holes of the Center Guide on the threshold.
- Remove the Center Guide and drill a hole at each mark with a 1/4" drill bit.
- Fill holes with silicone and insert M4 Wall Anchors.
- Add silicone to bottom of Center Guide and set in place on threshold.
- Secure Center Guide with two M4 X 30mm Screws and then carefully reinstall Glass Panels.

Fig #14



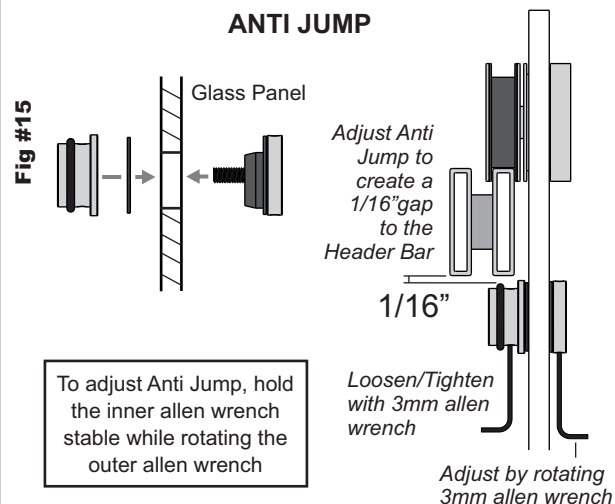
Installation Instructions

All Models

Page 8

STEP 9 - INSTALL AND ADJUST ANTI JUMPS

- Assemble two Anti Jumps onto each glass panel so that they are snug but not tight.
- Rotate outer cam/cap with the provided 3mm hex keys as demonstrated in Fig #15 to raise or lower Anti Jumps until they are approximately 1/16" from the bottom of the Header Bar.
- While holding the outer cam/cap in position, tighten the Anti Jump against the glass.



STEP 10 - INSTALL TOWEL BAR, PULLS, AND VINYL

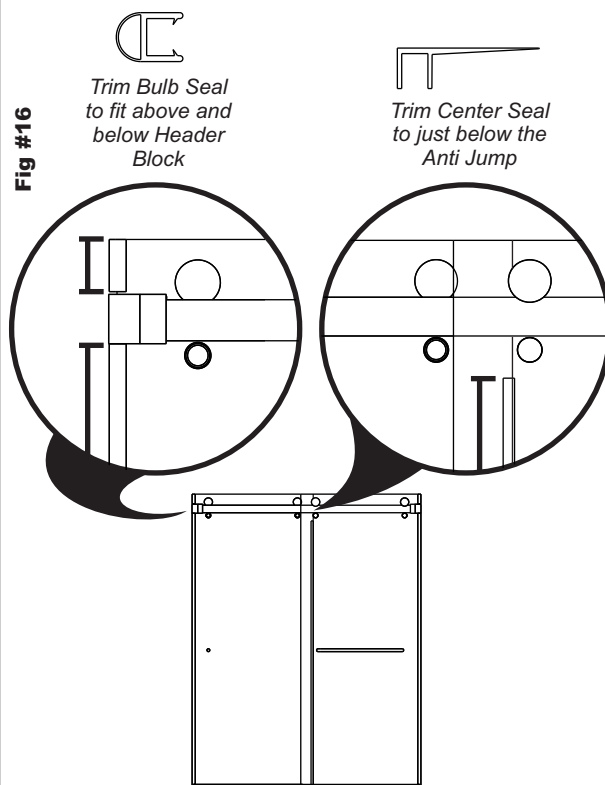
- Cut two pieces of Bulb Seal (ITEM #12) to fit the height of the glass, below and above the header block. Install on either panel at the edge of the glass that will be closest to the wall at the closed position. Notch the Bulb Seal to fit around the Bottom Sweep. Repeat for the other panel.

NOTE: The bulb seal is important to protect the glass from coming into contact the wall

- 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 Fig #15 for instructions on Roller adjustment.
- Optional: Trim the Center Seal (ITEM #11) 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.

NOTE: The Center Seal may hit the knob of the inside panel.

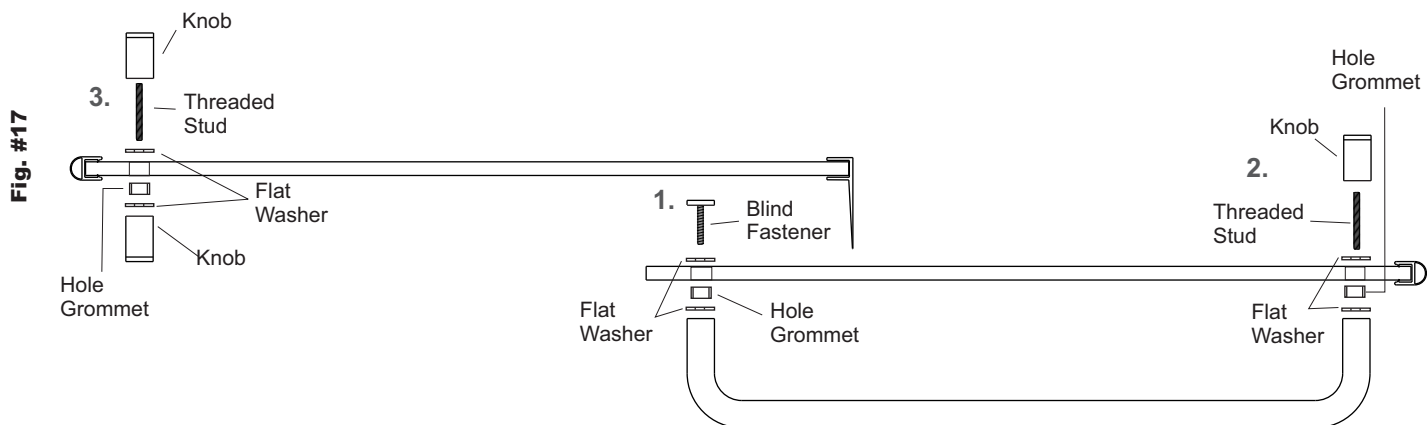
- Disassemble the Tower Bar and reassemble it in place on the outer glass panel. See below Fig #17 for proper sequence.
- Disassemble the Knob and reassemble it in place on the inner glass panel.
- Ensure that the plastic hole grommet is inside the holes of the glass. Failure to do so could result in the panel chipping or breaking.



Installation Instructions

All Models

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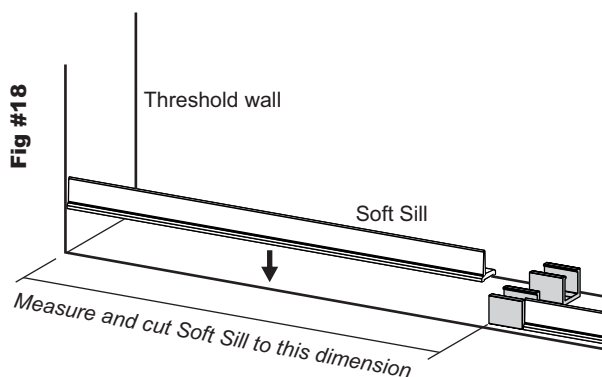
STEP 11 - INSTALL SOFT SILL

- Measure the distance between the wall and the nearest side of the Center Guide, see Fig #18.
- Cut Soft Sill to this dimension.
- Repeat for the other side of the Center Guide.

NOTE: Clean adhesion surface with alcohol and dry thoroughly.

- 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.
- Repeat for second piece of Soft Sill.

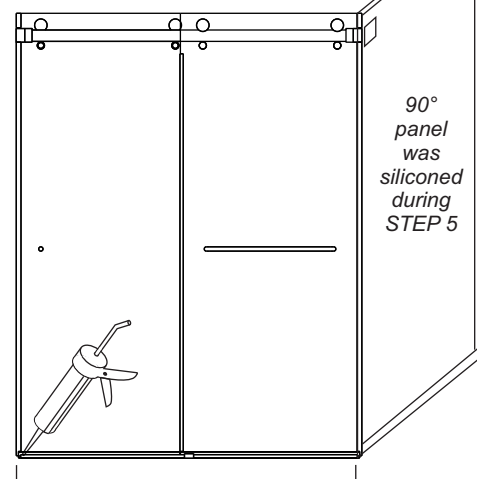
Fig #18



STEP 12 - SILICONE

- Run a continuous bead of silicone along the bottom outside and inside of the Soft Sill crossing the Center Guide.
- Allow silicone to cure for 24 hours before using the shower.

Fig #14

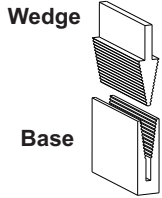


Apply a Single Bead along inside and outside of Soft Sill and Center Guide

Optional: HA.3208 Header Wedge Stabilizer

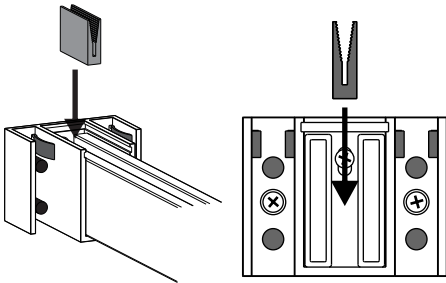
Page 10

Header Wedge Stabilizer

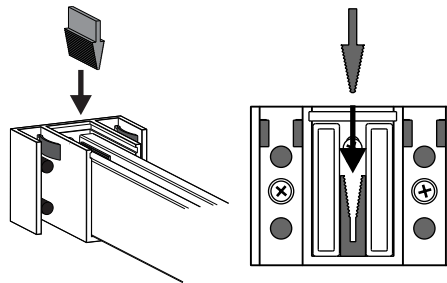


The Header Wedge Stabilizer consists of a Base and a Wedge. It is an optional accessory that can be used:

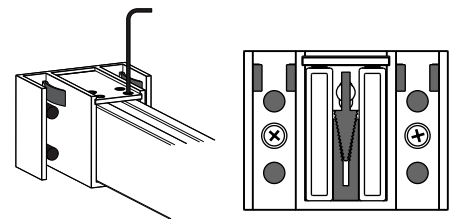
- If the ends of the header bar rails are bowed inwards and are loose against the sides of the header block.
- To help reduce roller noise and potential distortion of the header bar.



STEP 1: Insert Base between the rails of the Header Bar.



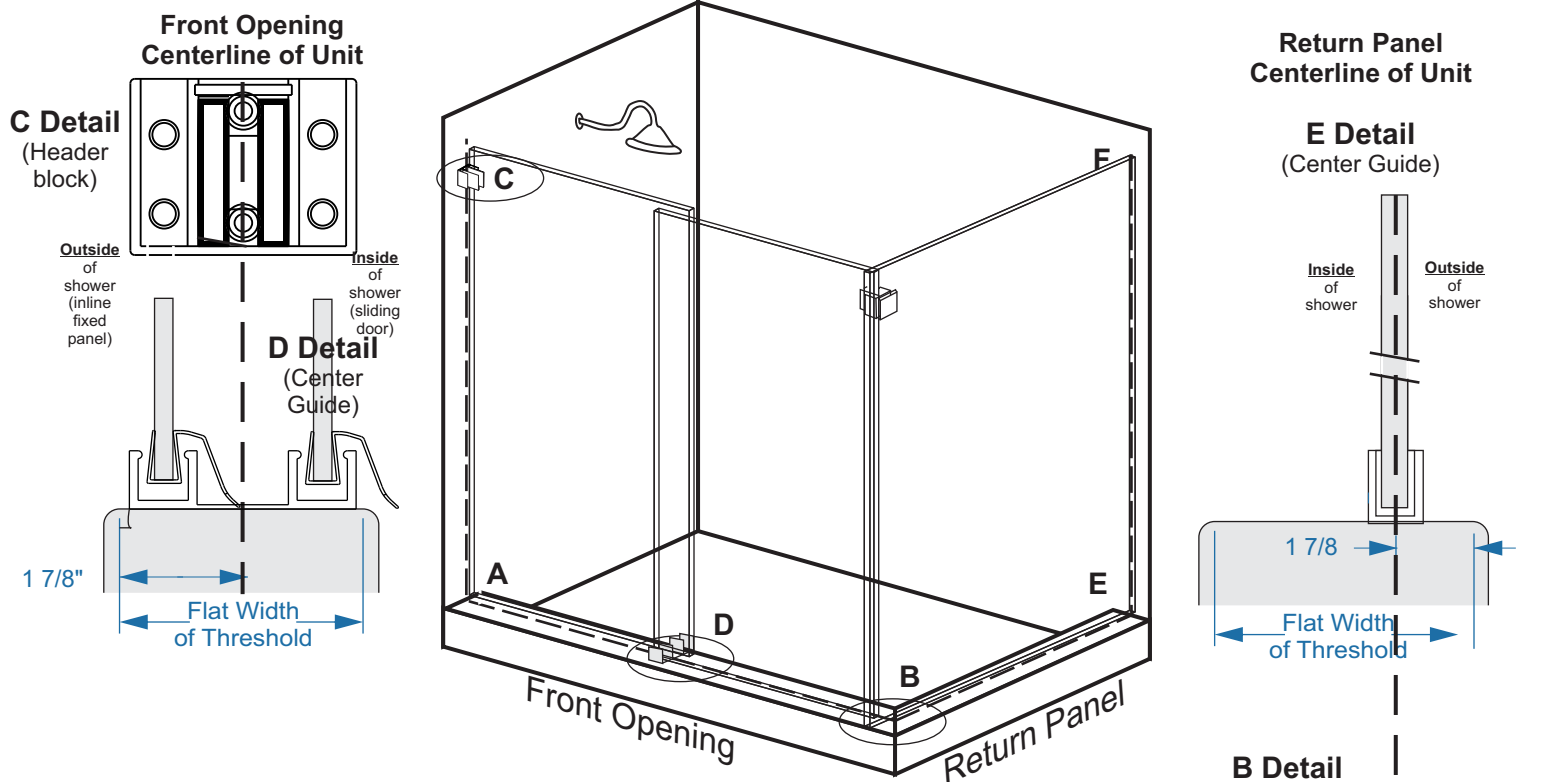
STEP 2: Push the Wedge into the Base until it forces to the rails of the Header Bar against the sides of the header block.



STEP 3: Insert the Header Bracing plate into the slot of the Header Block and tighten the set screws

Placement and Measuring Guide for NBSE90/NBTE90 or LBSE90/LBTE90 Bypass Slider with 90° Panel

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Front Opening Centerline (A to B)

- The "flat width" of the threshold does not include rounded edges
- Measure 1 7/8" from the front start of the flat to locate the Front Opening Centerline of the unit. Draw this line from A to B.

Vertical Centerline (A to C)

- Using a level, extend the Front Opening Centerline vertically up the wall
- Note the Header Block is installed on this centerline (Detail C)

Center Guide (Detail D)

- The center guide will extend approximately 1 1/8" in front of the Front Opening Centerline (A to B). This can deviate somewhat due to adjustments made during installation.
- **Alternate D Detail:** If the "flat" is less than approximately 3 1/4", the center guide may hang over the back. This is common for many molded shower pans. It can prohibit you from using both screws and anchors to secure the center guide. Use one screw and anchor and high quality VHB tape and silicone to secure the center guide as shown to the right

Return Panel Centerline (B to E)

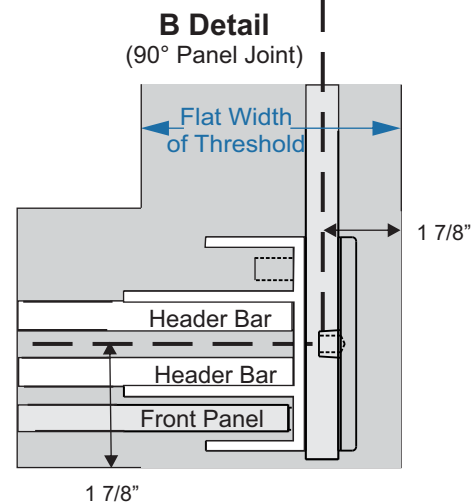
- Measure 1 7/8" from the front start of the flat to locate the Return Panel (RP) Centerline of the unit
- Extend line B to E the length of the Return Panel

Vertical Centerline (E to F)

- Using a level, extend the RP Centerline vertically up the wall
- Note the Wall Channel used to glaze glass panel will be centered on the centerline

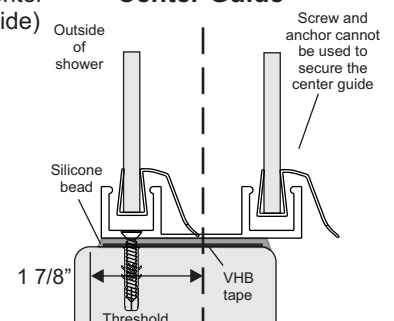
How to Measure:

- To provide proper Front Opening 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
- Return Panel dimension is B to E. There should be no more than 1/4" deviation from B to E
- Measure the desired or standard height of your unit along A to C and E to F



Alternate D Detail (Center Guide)

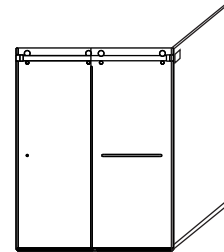
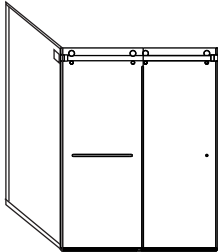
Overhanging Center Guide



90° Panel Specifications

Specifications for 1/2" thick 90° glass panel

- Panel must be 1/2" tempered glass
- 90° Panel Height: Overall Height of Unit - 1/4"
- 90° Panel Width: Return Centerline (see page 12) + 1 1/4"
- Flat Polish: Top and Exposed Vertical Edges
- Cut-out for 90° Panel Adaptor (HA.3214.XXX): See below



90° Panel at Left Side of Slider

90° Panel at Right Side of Slider

