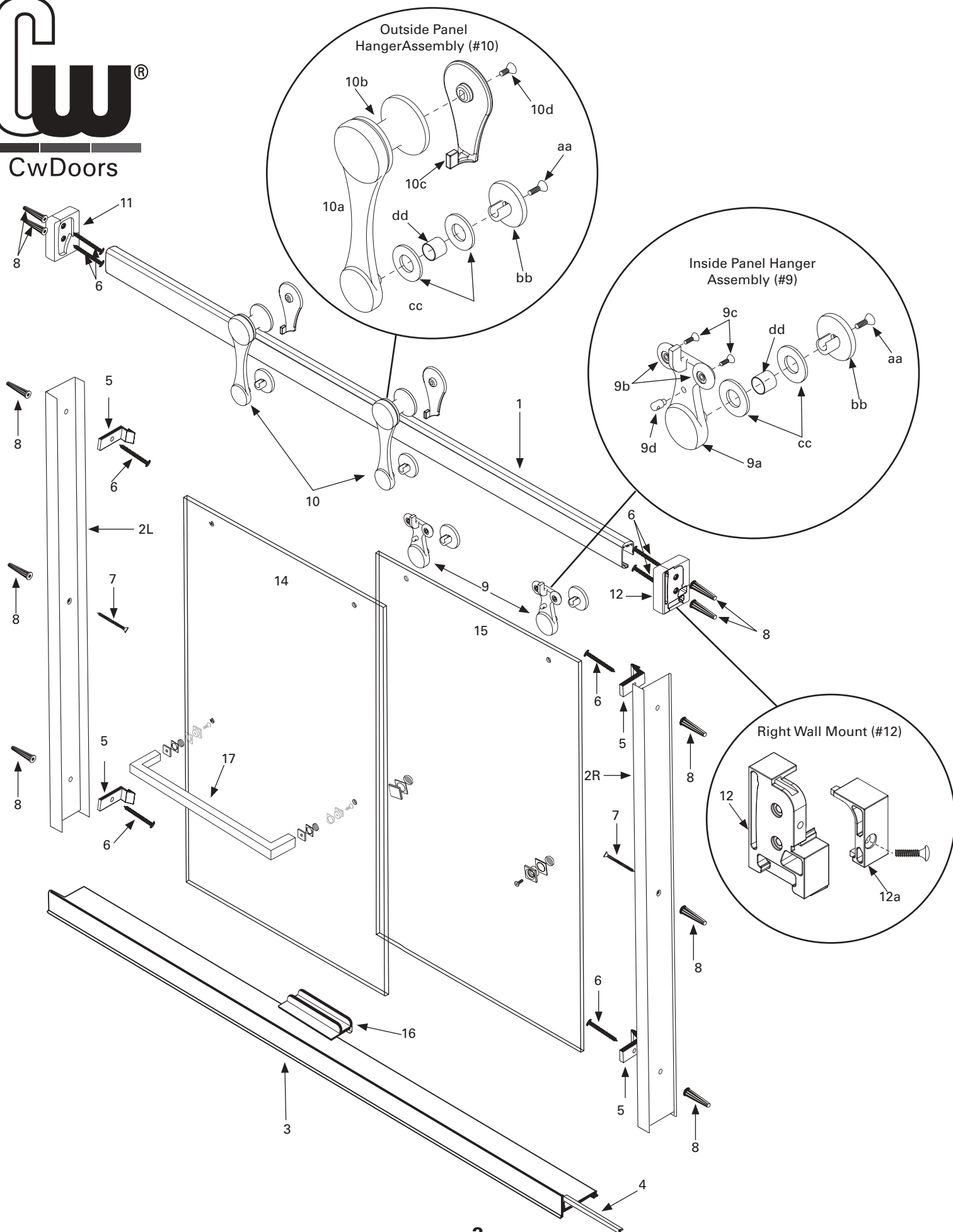


Surfliner™

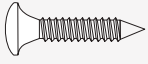
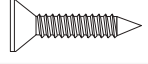
Illustrated Installation

Instructions





Parts List

NO.	QTY.	PART #	PART DESCRIPTION
Header Assembly			
1	1	ALUM-7730*	Header
2L	1	ALUM-7750*	Left Wall Jamb (stamped "L")
2R	1		Right Wall Jamb (stamped "R")
3	1	ALUM-7760*	Curb
4	1	VINY-1185CL*	Clear Panel Glide Strip (pre-installed)
5	4	HARD-2045	Panel Locator/Bumper
6	8	FAST-1365*	#8 x 1-1/2" PH SMS Screw 
7	2	FAST-1250*	#8 x 1-1/2" FH SMS Screw 
8	10	FAST-1440	Screw Anchor
9			Inside Panel Hanger Assembly
9a	2	HARD-3030*	Inside Panel Hanger Bracket
9b	4	HARD-2065BL	Wheel, Ball Bearing
9c	4		#8-32 x 1/2" HFH Screw
9d	2	HARD-3035*	Inside Panel Anti-Jump
10	2	HARD-2085*	Outside Panel Hanger Assembly (pre-assembled)
10a	2		Outside Panel Bracket
10b	2		Outside Panel 44mm Wheel
10c	2	HARD-3000*	Outside Panel Anti-Jump
10d			#8-32 x 1/2" HFH Screw
aa	4		#10-32 x 3/4" HFH Screw
bb	4	HARD-3005*	Adjustable Cam
cc	8**	HARD-3010	1/4" (6mm) Gasket
		HARD-3015	5/16" (8mm) Gasket
		HARD-3020	3/8" (10mm) Gasket
dd	4	HARD-3025	Cam Bushing
11	1	HARD-3055*	Left Wall Mount Bracket
11a	1	HARD-3050*	Left Wall Mount Latch
12	1	HARD-3045*	Right Wall Mount Bracket
12a	1	HARD-3040*	Right Wall Mount Latch
ee	2		Screw
ff	2		Screw
Glass			
14	1		Outside Door Panel
15	1		Inside Door Panel
16	1**	HARD-2000*	1/4" (6mm) Center Guide
		HARD-2005*	5/16" (8mm) Center Guide
Hardware			
17	1**	TBC-SLN3-20SK*	Solana Towel Bar Combo (shown)
		TBC-VCT5-20BK*	Victoria Towel Bar Combo
		TBC-CTN3-20BK*	Canton Towel Bar Combo
	1**	TBC-OMN1-20BK*	Omni™ 20" Towel Bar Combo

*When reordering the part please indicate the SIZE and/or FINISH

**Based on your selection



Congratulations on purchasing your new Cw® tub/shower enclosure. Now that you have opened the package, we want you to verify that you have all the necessary hardware supplied with your enclosure.

Please read and understand these instructions in their entirety prior to assembly, installation and operation.

Use a level to check that the tub/shower sill is reasonably level – not more than 1/8" out of level from side to side. If the sill is out of level more than 1/8", you will need to order a custom-mitered filler that fits under the Curb. This will level the Curb correctly. In the absence of leveling the Curb with a mitered filler, and depending upon the out of level amount, the Panels may not stay in a closed or open position.

Use a level to check that the walls of the enclosure are plumb – not more than 3/8" out of plumb. If the walls are out of plumb by more than 3/8", you will need to order a custom-mitered filler that fits behind the Wall Jamb. In the absence of a plumb Wall Jamb, and depending upon the out of plumb amount, the Panels may not close correctly.

To order custom-mitered filler for your Curb or Wall Jamb, please contact customer service at your point of purchase.

Before beginning assembly of the product, make sure all parts are present. Compare parts with the checklist and package contents list. If any parts are missing or damaged, do not attempt to assemble the product. Contact our Customer Service department with any questions or concerns you may have about this product at 661.257.1177.

Tool Checklist (Included):

- 3 Hex keys

Tool Checklist (Not Included):

- Level
- Electric drill
- 1/8" drill bit (for fiberglass stall)
- 3/16" masonry drill bit (for tile stall)
- Pencil
- Fine metal file
- Miter box & hacksaw with 32 tooth blade
- Caulking gun and clear tub/tile silicone
- Wire cutters
- Tape measure
- Painters tape
- Safety glasses and safety gloves

CAUTION: Do NOT cut tempered glass or allow the corners of the Panels to strike the tub/tile, each other, any hard surface, wall or floor, as these actions may cause damage and the tempered glass will shatter. Keep the corner protectors on the glass during installation. Using safety glasses and safety gloves is highly recommended.

Step 1 Preparing Your Opening

A. Before you remove the existing enclosure and all of its parts, check that your newly purchased enclosure is the correct size (See **Figure 1**).

1. Measure the finished opening width at the top (a) and bottom (b). Your new tub or shower enclosure should have a width equal to or greater than the largest measured width of your opening.

2. Measure the finished opening height from the tub or shower sill (c) to the top of your tub or shower surround/tile (d). The height of your tub or shower enclosure should not exceed the top of your tub or shower surround/tile.

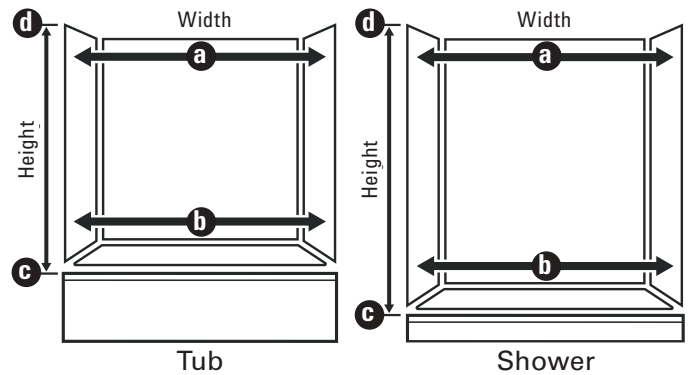


Figure 1

B. After determining that your newly purchased enclosure is the correct size, remove the existing enclosure and all of its parts.

C. Remove all screw anchors from the wall.

D. Clean silicone sealant or caulking and any other contaminants from the tub/shower and wall surfaces. Fill any remaining holes with silicone for waterproofing.

Note: Unless otherwise stated, views and directions given in these instructions – left, right, front, back, etc. – are from outside the enclosure, facing the tub/shower.

Step 2 Installing the Curb

Note: If your tub/shower enclosure has a curve in the corners at the side walls, be sure to measure the distance from wall to wall ABOVE the curves.

A. Using the tape measure, measure between right and left walls along the flattest part of the tub sill/shower dam. Write this dimension down.

B. Using the tape measure, find the center of the tub sill/shower dam (See **Figure 2**). Make a mark where the center is, and add 1" to this mark. Place a new mark on the front of tub sill/shower dam on both the right and left sides.

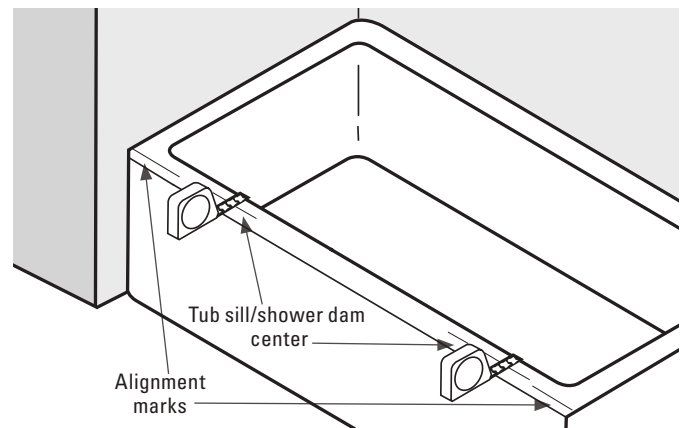


Figure 2

C. Locate the Curb. Remove the Panel Glide Strip from the Curb (See **Figure 3**).

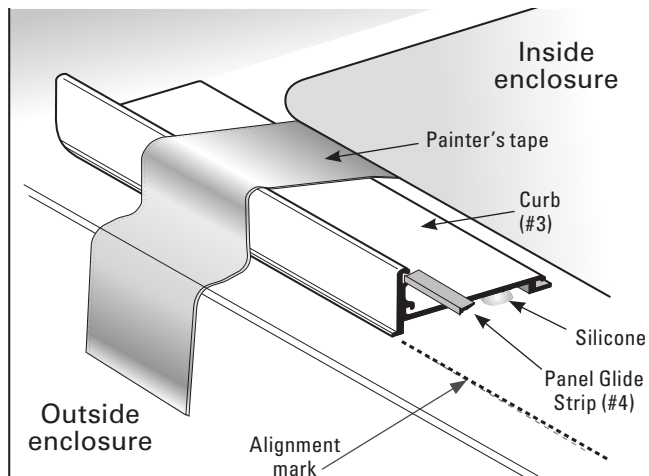


Figure 3

D. Using the measurement from **Step 2A**, cut the Curb to this length. Use the miter box and hacksaw to make a straight cut. If your tub/shower has curved corners, use a fine metal file to round off and shape the ends of the Curb to fit the rounded corners.

E. Locate the Panel Glide Strip (See **Figure 2**). Using the wire cutters, cut it 3/4" shorter than the Curb. Re-install the Panel Glide Strip into the Curb so that the ends of Panel Glide Strip are evenly spaced at each end of the Curb.

F. Cut two pieces of painter's tape 12" long. Next, use the caulking gun and apply a thick bead of silicone sealant (approximately 3/8" in diameter) to the bottom surface of the Curb as indicated in **Figure 3**. Position the Curb on the tub sill/shower dam. Use the two strips of painter's tape to temporarily secure the Curb in place. **DO NOT** place the tape within 2" of the wall.

Note: The tape will help provide a positive seal to the tub sill/shower dam while also holding the Curb in place for the following steps, ensuring the silicone adheres and seals the unit.

Step 3 Installing the Wall Jamb

Note: The Surfliner™ comes with two Wall Jamb. One is notched for the left wall, the other is notched for the right wall. Each Wall Jamb is marked clearly on the bottom back side: "L" for left, "R" for right.

A. Locate the left Wall Jamb.

B. Place the left Wall Jamb against the left wall and slip the bottom of the Wall Jamb over the Curb. Use a level, held against the side of the Wall Jamb to align it vertically straight up and down as shown in **Figure 3A**.

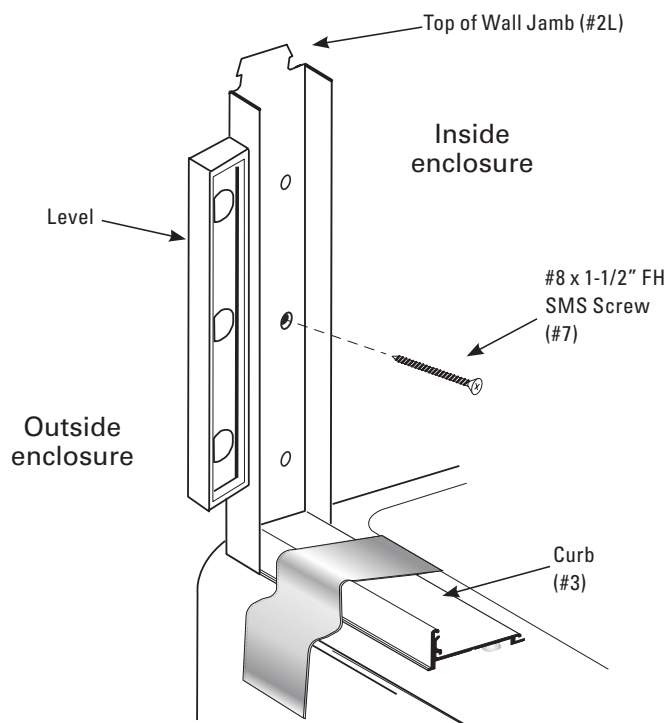


Figure 3A

C. Use a pencil to mark the position of each of the three pre-drilled holes in the left Wall Jamb. Set the Wall Jamb aside for the moment.

D. Using either a 1/8" drill bit (for a fiberglass enclosure) or a 3/16" masonry drill bit (for tile) drill three holes where you made the marks. If installing in a tiled enclosure, gently tap a Screw Anchor into each hole. **DO NOT** use the Screw Anchors for a fiberglass enclosure.

E. Place the Wall Jamb back over the Curb and against the wall and secure with a single #8 x 1 1/2" FH SMS Screw in the MIDDLE hole only.

F. Repeat **Steps 3A-D** for the right Wall Jamb, marked on the bottom with an "R."

Step 4 Installing the Panel Locator/Bumper

See **Figure 4** to position the Panel Locators. Secure with #8 x 1-1/2" PH SMS Screws.

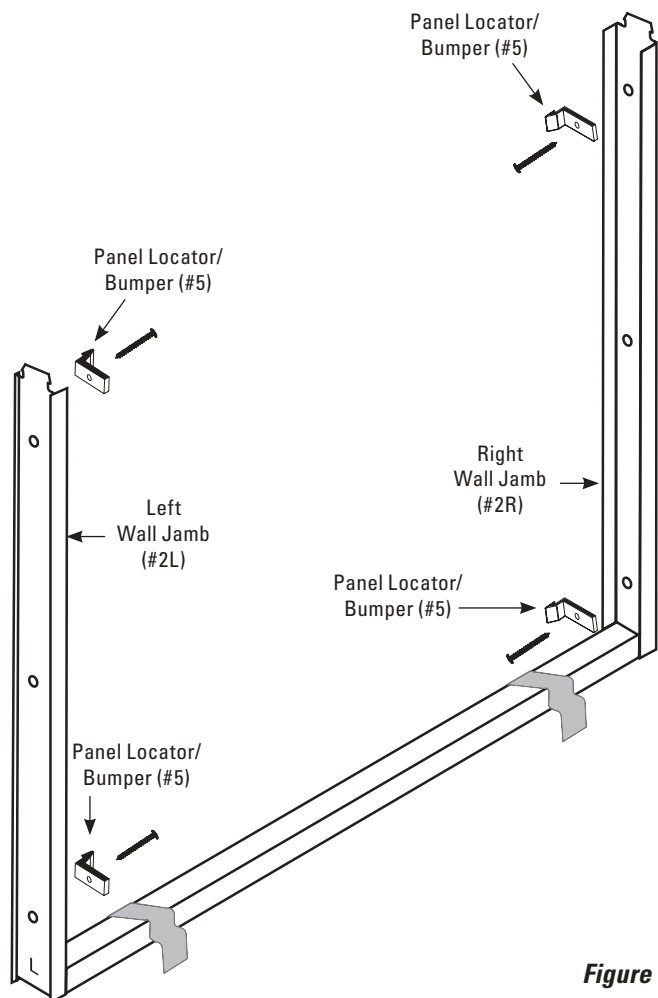


Figure 4

Step 5 Installing the Wall Mount Brackets

A. Remove the Latch from Wall Mount Bracket (See **Figure 5**).

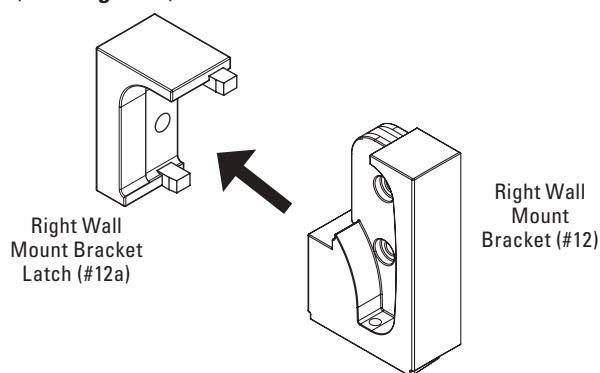


Figure 5

B. Place Right Wall Mount Bracket on top of the right Wall Jamb. Use pencil to mark the location of the two holes (See **Figure 6**). Set the Wall Mount Bracket aside for the moment.

C. Using either a 1/8" drill bit (for a fiberglass

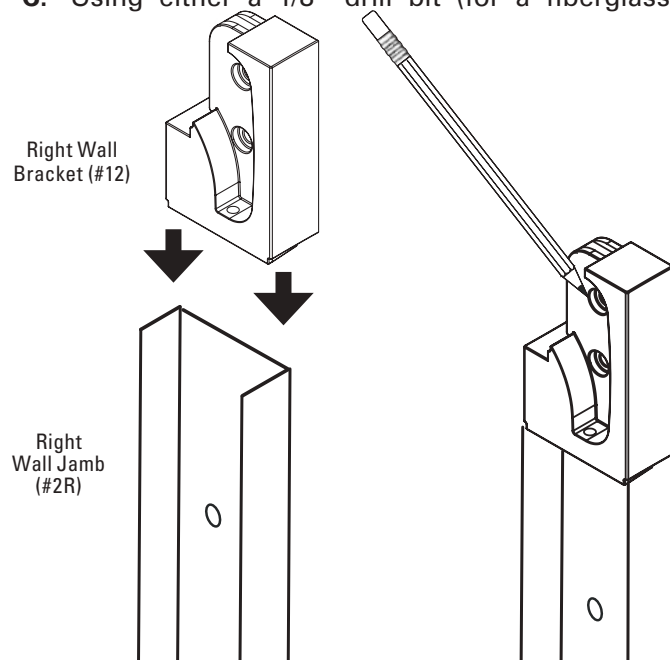


Figure 6

enclosure) or a 3/16" masonry drill bit (for tile) drill three holes where you made the marks. If installing in a tiled enclosure, gently tap a Screw Anchor into each hole. DO NOT use the Screw Anchors for a fiberglass enclosure.

D. Place Right Wall Mount Bracket back on top of Right Wall Jamb and secure with #8 x 1 1/2" PH SMS Screws (See **Figure 7**).

E. Repeat Steps 5, A-D for left Wall Mount Bracket.

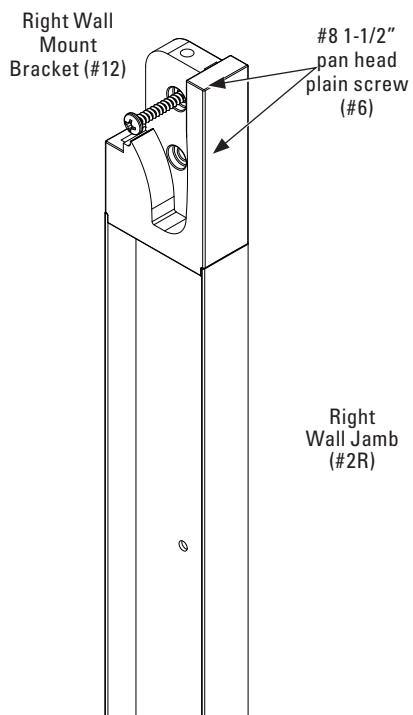


Figure 7

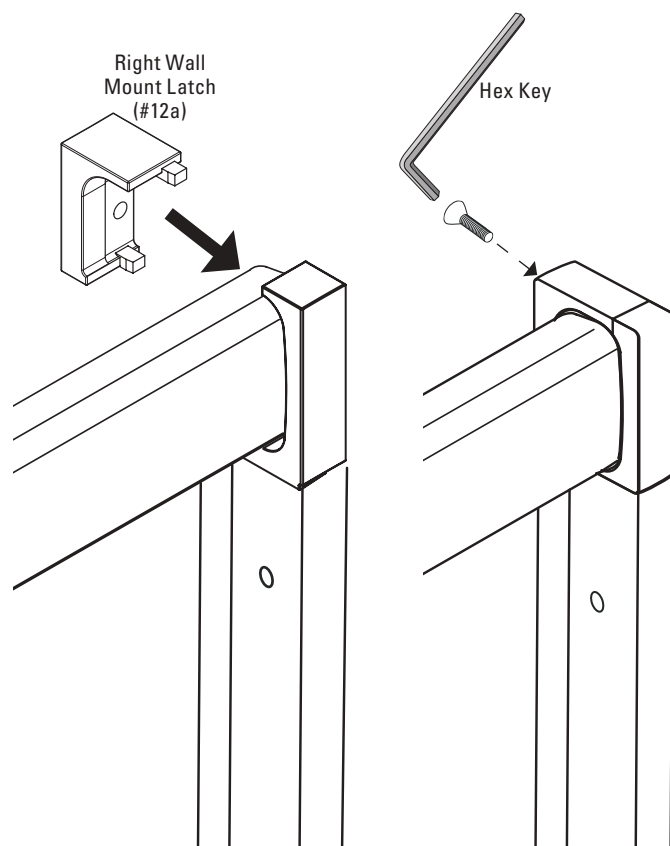


Figure 8

E. Tighten the small screw on the bottom of each Wall Mount Bracket using the Hex Key (See **Figure 8a**).

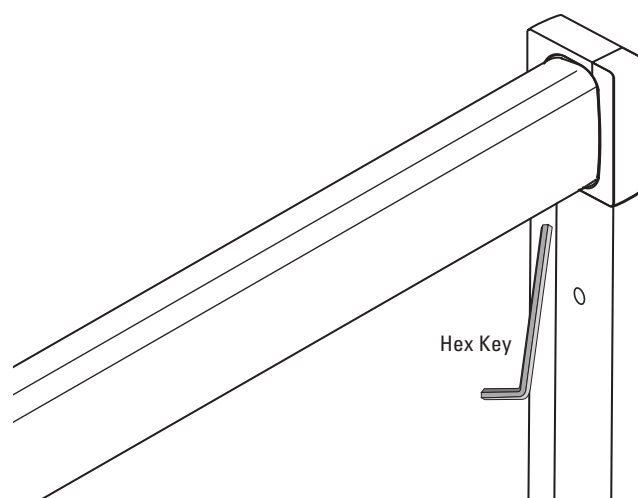


Figure 8a

Step 6 Installing the Header

- A.** Using the tape measure, measure the width from inside the Right and Left Wall Mount Brackets.
- B.** Locate the Header. Using the miter box and hacksaw cut the header to the length you just measured.
- C.** Insert the Header into the Wall Mount Brackets.
- D.** Reattach the Latches on the Wall Mount Brackets with the #10-32 Hex FH Screws. Using the Hex Key, tighten the screws on each Wall Mount Bracket (See **Figure 8**).

Step 7 Installing the Inside Panel

A. Attaching the Inside Panel Hanger Assembly. First, find Inside Panel Hanger Assembly and Disassemble

1. Insert Cam Bushings into the hole at the top of the Inside Glass Panel.

Note: There are two Glass thicknesses available; 1/4" (6mm) or 5/16" (8mm). If you purchased 5/16" (8mm) Glass locate the 5/16" (8mm) package that includes the thinner Gaskets to be used with your unit.

2. Place a Gasket over the end of the Adjustable Cam and insert the Adjustable Cam through the hole from the smooth side of the inside Glass Panel.

3. Place another Gasket on the Inside Panel Hanger Bracket and attach the Inside Panel Hanger Bracket with Wheels to the Adjustable Cam (See **Figure 9**). Insert a #10-32 x 3/4" HFH screw through the Cam and tighten with the Hex Key. Do not over tighten.

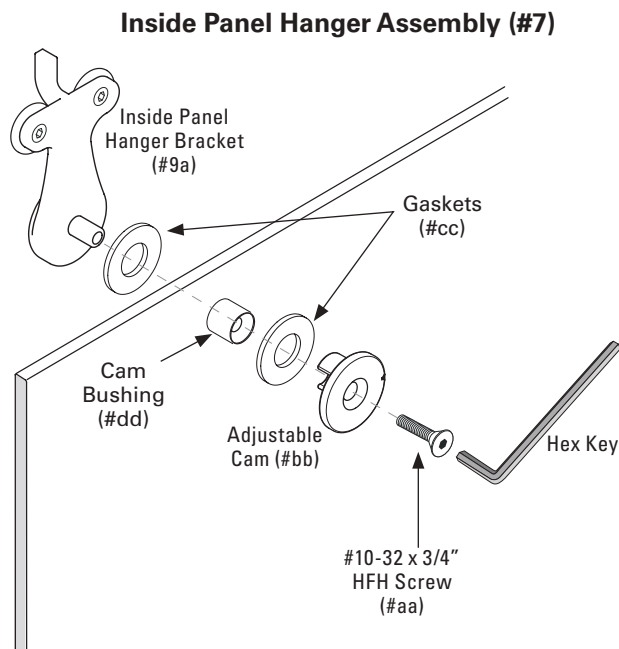


Figure 9

Note: View is from inside of tub/shower or back of glass

4. Locate four Ball Bearing Wheels, and the four #8-32 x 1/4" HFH Screws. Using the phillips screwdriver, attach two wheels to Inside Panel Hanger Bracket.

5. Repeat **Step 7A 1-4** with second Inside Panel Hanger Assembly through the other hole at the top of the Inside Panel.

B. Hanging the Inside Panel in the C-Rail Header
Installing the Glass Panels may be easier if you have someone assisting you. Always wear gloves and safety glasses whenever handling glass.

Note: Take extra care in handling the Glass Panels. DO NOT allow the corners of the Panels to strike the tub/tile, each other, any hard surface, wall or floor, as these actions may cause damage and the tempered glass will shatter. Keep the corner protectors on the Glass during installation.

1. Remove the Inside Panel Anti-jump Screw from Inside Panel Hanger Bracket. (See **Figure 12** on Page 9)

2. Hold the Inside Door Panel so that the Wheels are facing you. Standing outside and facing the tub/shower enclosure, lift the Inside Door Panel up and over the Curb and then insert the Inside Panel Hanger Brackets up into the Header and gently set the Wheels into the track of the Header. Make sure the Panel rolls freely (See **Figure 10**).

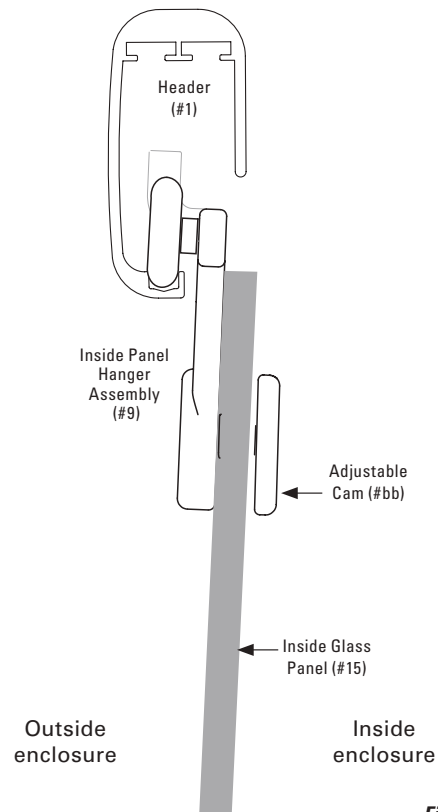


Figure 10

3. The Inside Door Panel can be adjusted by loosening the screw in either of the Adjustable Cams, and inserting the Hex Key into the side of the Adjustable Cam to turn it. This moves the Panel up or down in the Hanger Assembly (See **Figure 11**).

4. Tighten the screw in each Adjustable Cam with the Hex Key after aligning the Inside Panel.

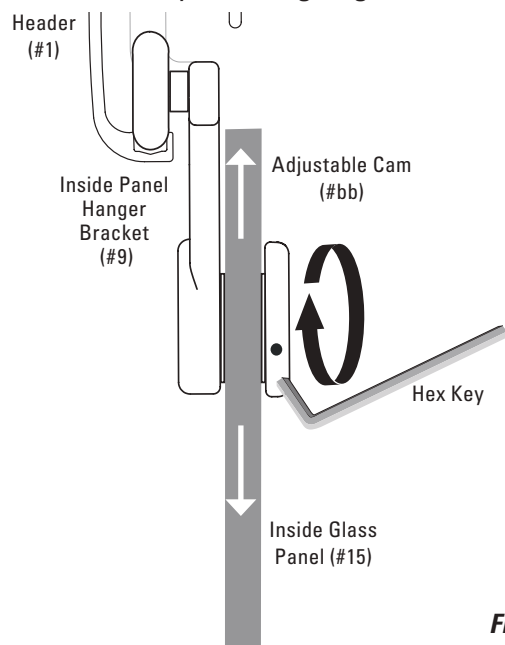


Figure 11

Do not over tighten.

5. After the Inside Panel is aligned and the Adjustable Cam screws are tightened, insert the Anti-Jump into the hole in the Inside Panel Hanger Bracket as shown in **Figure 12** and tighten with the smaller Hex Key.

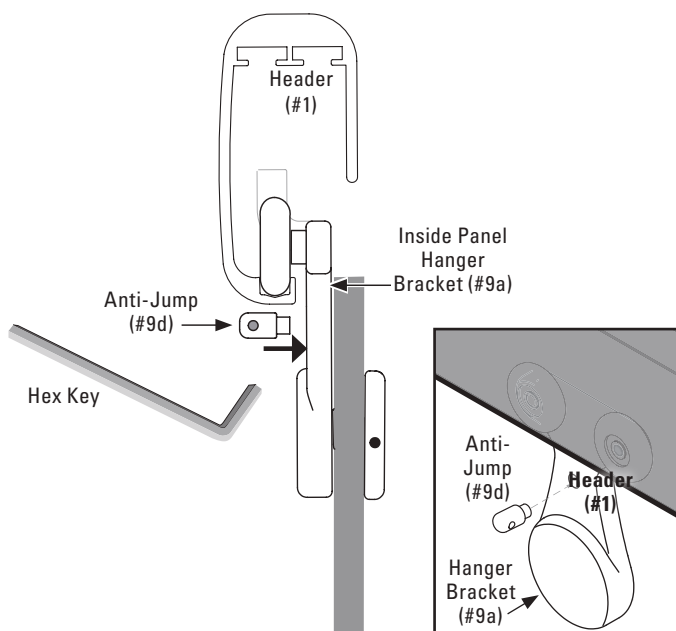


Figure 12

6. Make sure the Inside Door Panel is level and rolls freely all the way from one end of the Header to the other.

Step 8 Installing the Center Guide

WARNING! DO NOT ATTEMPT TO LOCK THE CENTER GUIDE IN PLACE UNTIL YOU ARE READY TO INSTALL IT! Once the Center Guide is in place the shower Door Panels will be extremely difficult to remove, and adjusting or removing the Center Guide will be nearly impossible.

Note: There are two Glass thicknesses available; 1/4" (6mm) or 5/16" (8mm).

Glass Thickness	Center Guide
1/4" (6mm)	HARD-2000
5/16" (8mm)	HARD-2005

A. Locate your Center Guide(s). If you received two Center Guides, select the color that best matches your finish.

B. Make sure that the surface of the Curb is completely clean of oil, dust, debris or other contaminants. With a tape measure, measure from Wall Jamb to Wall Jamb and, with a pencil, mark the center point of the Curb on the inside edge of the Curb or lightly on the tub sill/shower dam or tile where it will be visible and easy to remove. Remember, you will want to be able to see the pencil mark after you insert the Center Guide into the groove in the Curb so that you can center the Center Guide.

C. Remove the corner protectors from the Glass.

D. Slide Door Panel to one side. Peel the paper backing off the two-way tape on the bottom of the Center Guide. Without letting the adhesive tape touch the Curb, carefully insert the front edge of the Center Guide into the groove on the Curb (See **Figure 13a**).

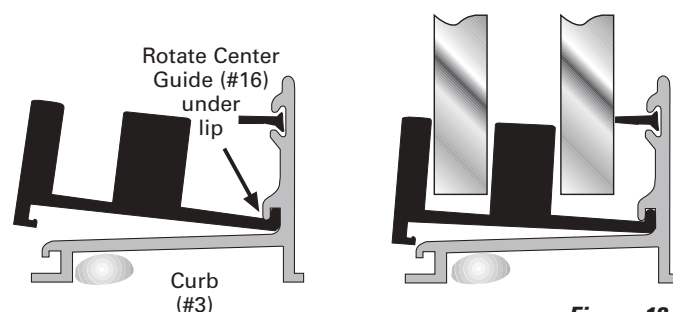


Figure 13a

E. Slide the Center Guide under the Door Panel. Center the Center Guide on the pencil mark you made (See **Figure 13b**). Press the Center Guide onto the Curb and lock it into position by pressing firmly on the back edge of the Center Guide as shown in **Figure 13c**. You should feel it lock into place. If the Center Guide does not lock into position easily, it may be necessary to press firmly on one end to start the process and work along the back of the Center Guide in order to lock it into place.

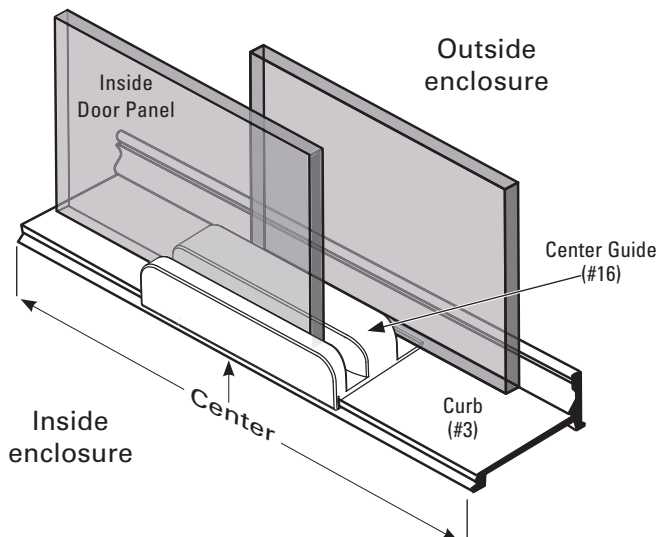


Figure 13b

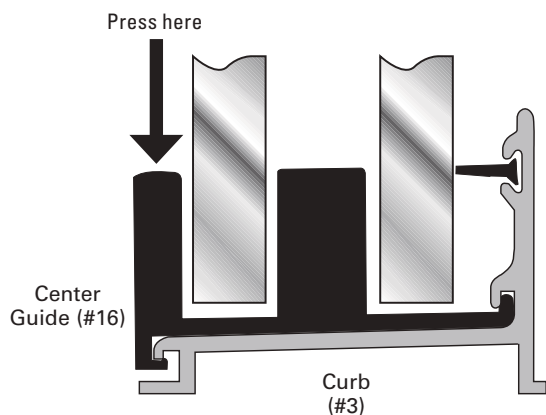


Figure 13c

Note: **Figures 13a, b, and c** are shown with Outside Panel for reference only

Step 9 Installing the Outside Door

A. Attaching the Outside Panel Hanger Assembly

1. Insert Cam Bushings into the hole at the top of the Outside Glass Panel.

Note: There are two Glass thicknesses available; 1/4" (6mm) or 5/16" (8mm). If you purchased 5/16" (8mm) Glass locate the 5/16" (8mm) package that includes the thinner Gaskets to be used with your unit.

2. Place a Gasket over the end of one Adjustable Cam and insert the Cam through the hole (See **Figure 14**).

Note: Make sure the Adjustable Cam is on the smooth side of the Outside Door Panel.

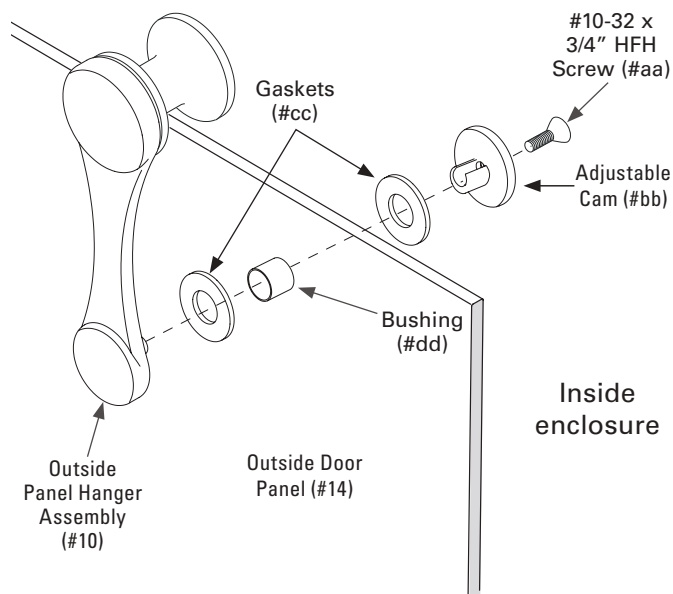


Figure 14

3. Place another Gasket on the Outside Panel Hanger Bracket and attach the Outside Panel Hanger Bracket to the Adjustable Cam through the Outside Door Panel (See **Figure 14**).
4. Insert the #10 - 32" x 3/4" HFH Screw through the Adjustable Cam and tighten with the Hex Key. Do not over tighten.
5. Repeat **Step 9A 1-4** with second Outside Panel Hanger Assembly through the other hole at the top of the Outside Panel.

B. Hanging the Outside Panel on the Header

Installing the Door Panels may be easier if you have someone assisting you. Always wear gloves and safety glasses whenever handling glass.

Note: Take extra care in handling the Glass Panels. DO NOT allow the corners of the Panels to strike the tub/tile, each other, any hard surface, wall or floor, as these actions may cause damage and the tempered glass will shatter. Keep the corner protectors on the Glass during installation.

1. Remove Outside Panel Anti-Jump

2. Hold the Outside Door Panel so that the Wheels are facing away from you. Standing outside and facing the tub/shower enclosure, lift the Outside Door panel up and over the Curb and then lower the Outside Panel Assembly over the Header and at the same time ensure the bottom of the Outside Door Panel is inserted into the Center guide. make sure the Panel rolls freely (See **Figure 15**).

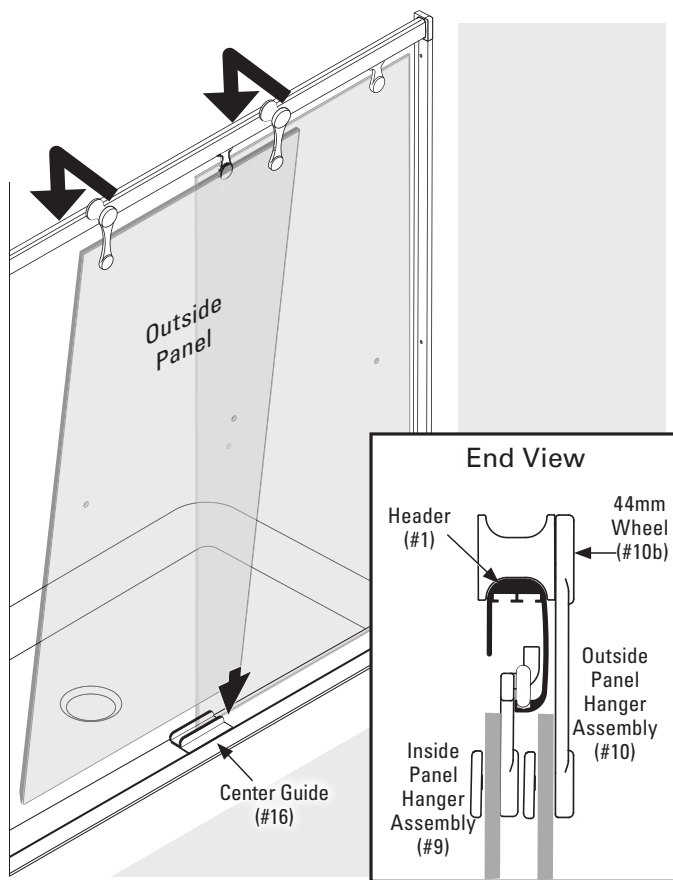


Figure 15

3. Hook the Anti-Jump under the Header on one Outside Panel Bracket (See inset, **Figure 16**).

4. Repeat **Step 9, B3** with second Outside Panel Hanger Assembly. This will secure the Outside Panel to the Header. Do not over tighten the screw.

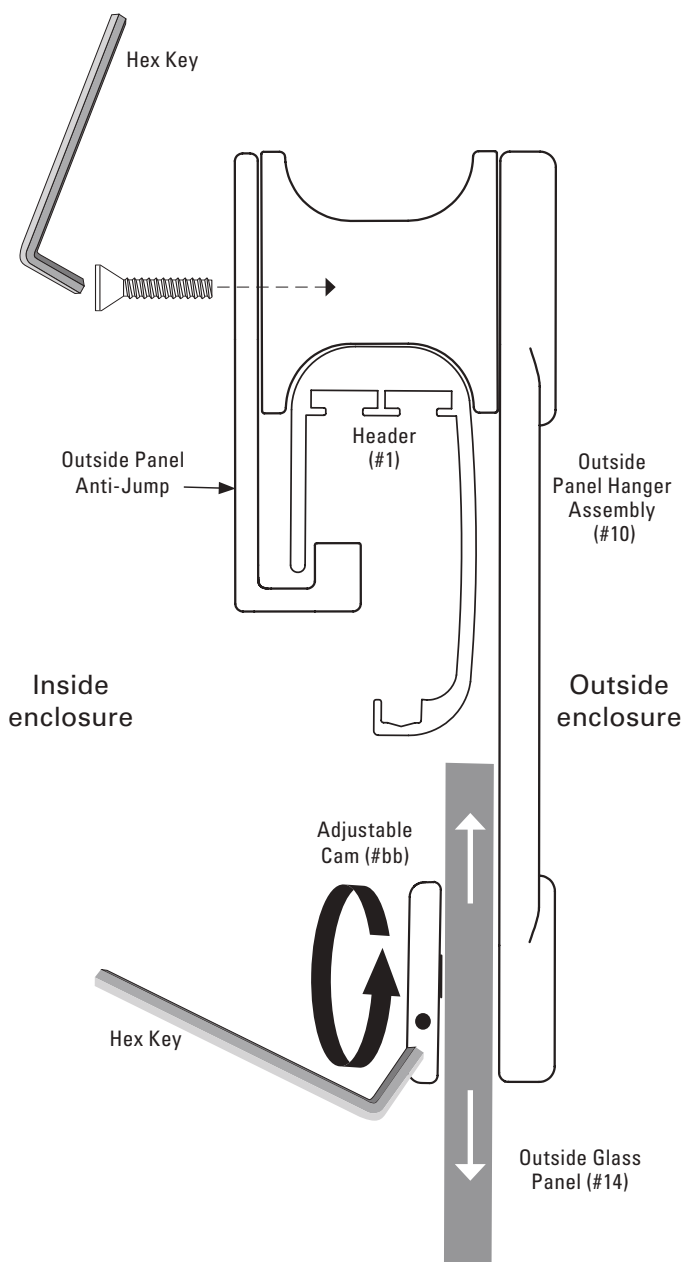


Figure 16

C. Adjusting the Outside Panel

The Outside Door Panel can be adjusted like the Inside Door Panel, by loosening the screw in each Adjustable Cam, from inside the enclosure.

1. Insert the Hex Key into the side of the Adjustable Cam to turn it and move the Outside Panel up or down in the Assembly (See **Figure 16**).
2. Tighten the screw in each Adjustable Cam after adjusting the Outside Door Panel. Do not over tighten
3. Carefully make sure the Outside Door Panel rolls freely all the way from one end of the Header to the other, bi-passing the Inside Door Panel.

Step 10 Installing the Towel Bar and Knob with Recessed Finger Pulls

Before you begin, refer to **Figure 17** to determine the correct orientation of hardware for your installation. The Inside Door Panel with Knob will slide to the wall nearest the shower head. The Outside Door Panel with Towel Bar will slide to the opposite wall.

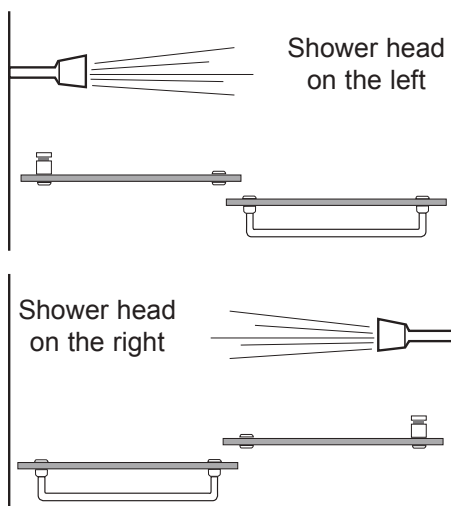


Figure 17

A. Installing the Towel Bar to the Outside Panel

1. Locate the Towel Bar Kit parts for the Outside Door including a Towel Bar, two Towel Bar Adapters, two Recessed Finger Pulls, four Washers and two Bushings. Refer to **Figure 18-19** to help identify these parts for your hardware style.
2. Slide both Door Panels to the wall opposite the shower head. Now slide the Outside Door Panel 5-6" toward the shower head. This will give you clearance to perform the next step.
3. Keeping the Towel Bar Adapters attached to the ends of the Towel Bar on both sides, detach both Recessed Finger Pulls, keeping one Washer and the Bushing on the Recessed Finger Pulls.
4. From inside the shower, insert the Recessed Finger Pull with one Washer and Bushing through the hole on the Outside Door Panel, so that the end sticks out from the front side of the Glass Panel.
5. Place the other Washer over the exposed end of the Recessed Finger Pull, and screw it into one end of the Towel Bar "finger tight."

Note: The Solana™ Towel Bar comes with Screws which go through the Recessed Finger Pulls to attach them to the Towel Bar. Slightly tighten the Screws with a phillips screwdriver.

6. Repeat **Step B, 2-4** through the other hole of the Outside Door Panel to complete installation of the Towel Bar (See **Towel Bar Assembly, Figure 18**).
7. Tighten both sides of the Towel Bar/Recessed Finger Pull.

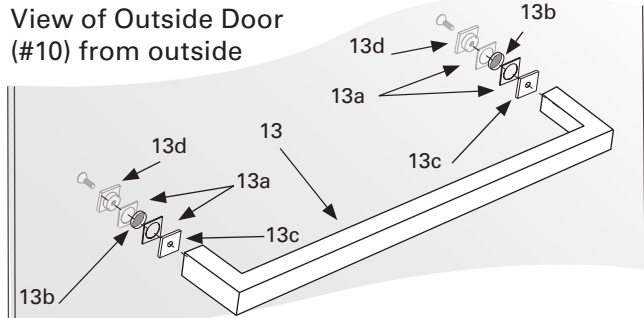
Towel Bar Assembly

NO.	QTY.	PART DESCRIPTION
13	1	Towel Bar
13a	4	Washer
13b	2	Bushing
13c	2	Towel Bar Adapter
13d	2	Recessed Finger Pull

Note: The Inside Door Knob Assembly is included in the Towel Bar Combo. All Part Numbers can be found on the Parts List on Page 3.

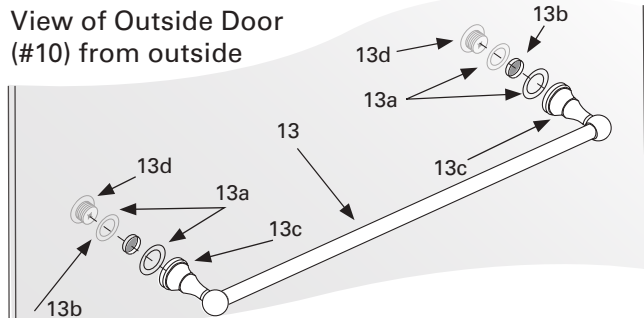
Solana™ Towel Bar

View of Outside Door
(#10) from outside



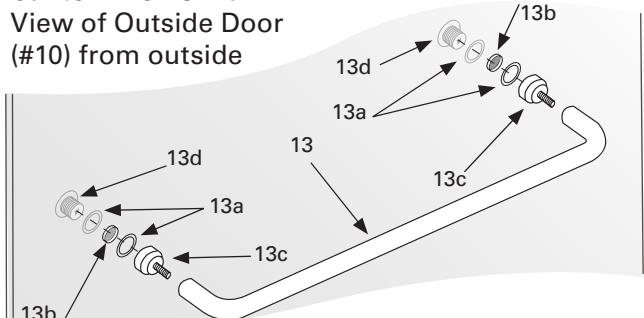
Victoria™ Towel Bar

View of Outside Door
(#10) from outside



Canton™ Towel Bar

View of Outside Door
(#10) from outside



Omni™ Towel Bar

View of Outside Door
(#10) from outside

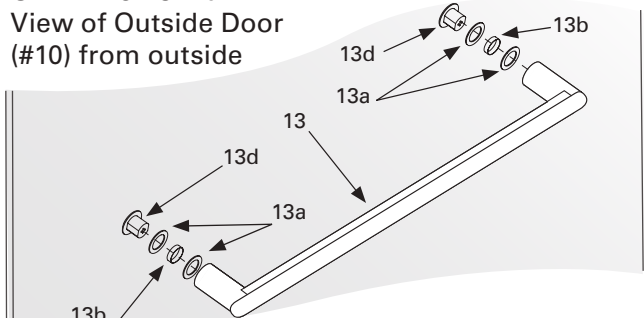


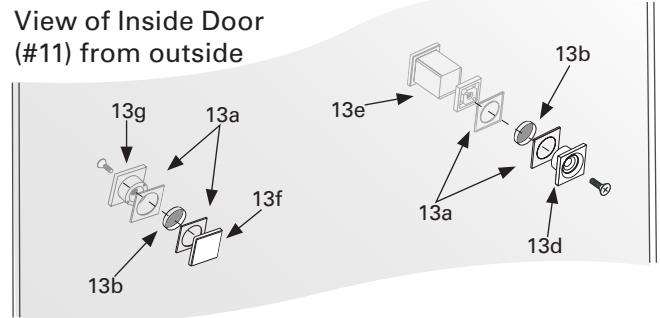
Figure 11

Knob and Recessed Finger Pull Assembly

NO.	QTY.	PART DESCRIPTION
13a	4	Washer
13b	2	Bushing
13d	1	Recessed Finger Pull
13e	1	Knob
13f	1	End Cap
13g	1	Recessed Finger Pull

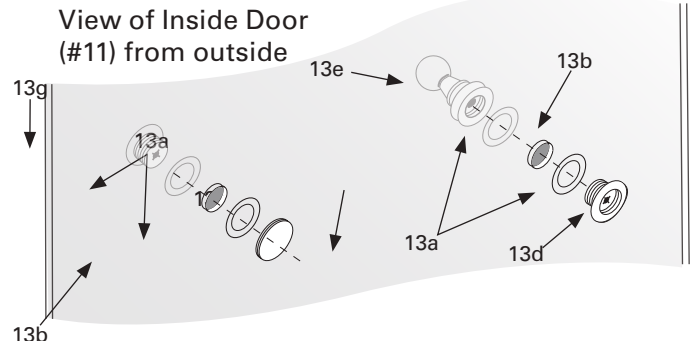
Solana™ Knobs

View of Inside Door
(#11) from outside



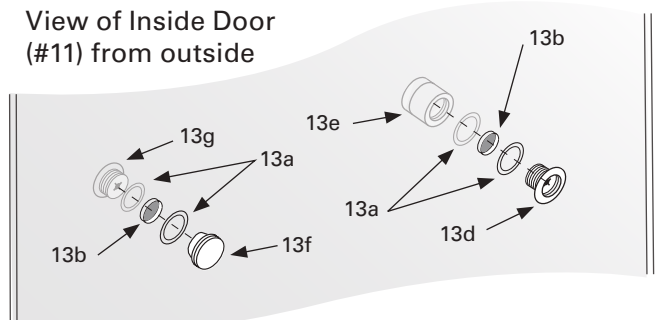
Victoria™ Knobs

View of Inside Door
(#11) from outside



Canton™ Knobs

View of Inside Door
(#11) from outside



Omni™ Knobs

View of Inside Door
(#11) from outside

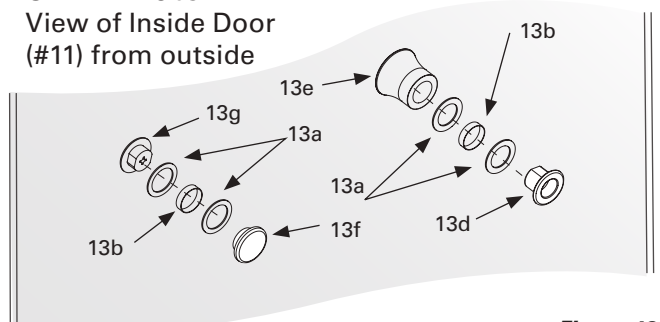


Figure 12

C. Installing the Knob and Pull on the Inside Door Panel

1. Slide the Inside Door Panel towards the shower head about 5" to 6" for the next step.
2. Locate the Knob and Recessed Finger Pull. Refer to **Figure 19** to help identify the parts.
3. Unscrew the Knob from the Recessed Finger Pull and insert the Recessed Finger Pull with one Washer and the Bushing through the hole in the Inside Door Panel nearest the shower head.
4. Attach the Knob with the other Washer to the Recessed Finger Pull by screwing "finger tight." Knob should face the inside of the shower (See **Figure 20**).

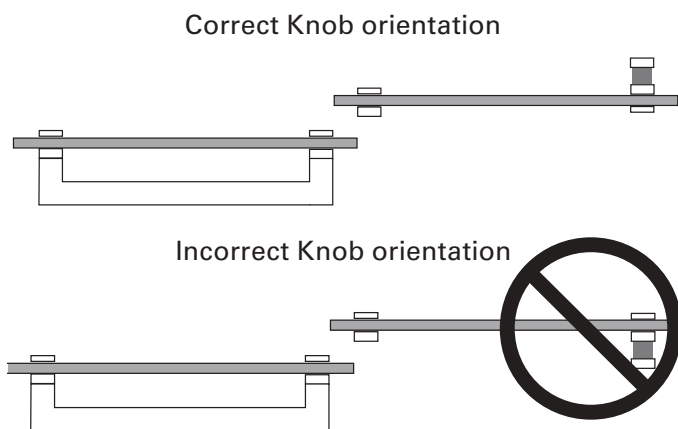


Figure 20

Note: The Solana Knob comes with screw which goes through the Recessed Finger Pull and into the Knob. Tighten with phillips screwdriver.

D. Installing the End Cap and Pull on the Inside Door Panel

1. Gently slide the Inside Door Panel towards the wall with the shower head and ensure that the Knob is installed correctly (See **Figure 20**).
2. Place a Washer on the last Recessed Finger Pull and insert it with the Bushing from inside the tub/shower so that threaded end sticks out the front of the Inside Door Panel.
3. Place another Washer over the threaded end of the Recessed Finger Pull and screw on the End Cap "finger tight."

Step 11 Silicone Sealing the Enclosure

Using a caulking gun and clear silicone, seal inside your shower enclosure in the following areas:

- At the bottom of the Left and Right Wall Jamb inside where the Curb and Wall Jamb meet.
- Inside of the shower from the top of the Header, down the Wall Jamb to the sill of your opening.
- Inside of the shower from wall to wall, along the Curb where the Curb and sill meet.

Note: Silicone sealant must cure before you use your new enclosure. Silicone curing will vary. Please follow curing instructions on the tube.

Step 12 Cleaning the Door Panels

If your unit has the benefit of **CwShield™ Glass Protection**, following the detailed maintenance instructions below will ensure many years of satisfaction.

- After each use: Use a small plastic bowl or pitcher (a handheld tub/shower sprayer will also work) to carefully pour clean water along the top edge of the glass in a stream as you move across the panel, being careful not to pour the water out through any gaps that may exist in the enclosure. The majority of the soapy residual water will drain off. Use a small hand towel to pat dry the few remaining droplets.
- Once a month: Each month after use, wet a nylon "light scrubber" and go over the wet glass, rubbing in a circular motion over all the glass. You should feel any "sticky" places return to "slick" again. Then carefully pour the water along the top edge of the glass in a stream as you move across the panel, just as you do after each use.
- Never use harsh chemicals, as they will harm the CwShield™ Protective Coating.

For units without CwShield™ Glass Protection, we recommend cleaning the glass and enclosure hardware with a mild, non-abrasive cleaner designed for mirror and/or glass. Avoid using scouring cleansers as this will scratch and mar the beautiful finish on the enclosure.

Thank you for making Cw® a part of your home.
For additional inspiration and to learn more
about our extensive line of products, we invite
you to visit our website at CwDoors.com.



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