

Installation Instructions for the Estate Collection

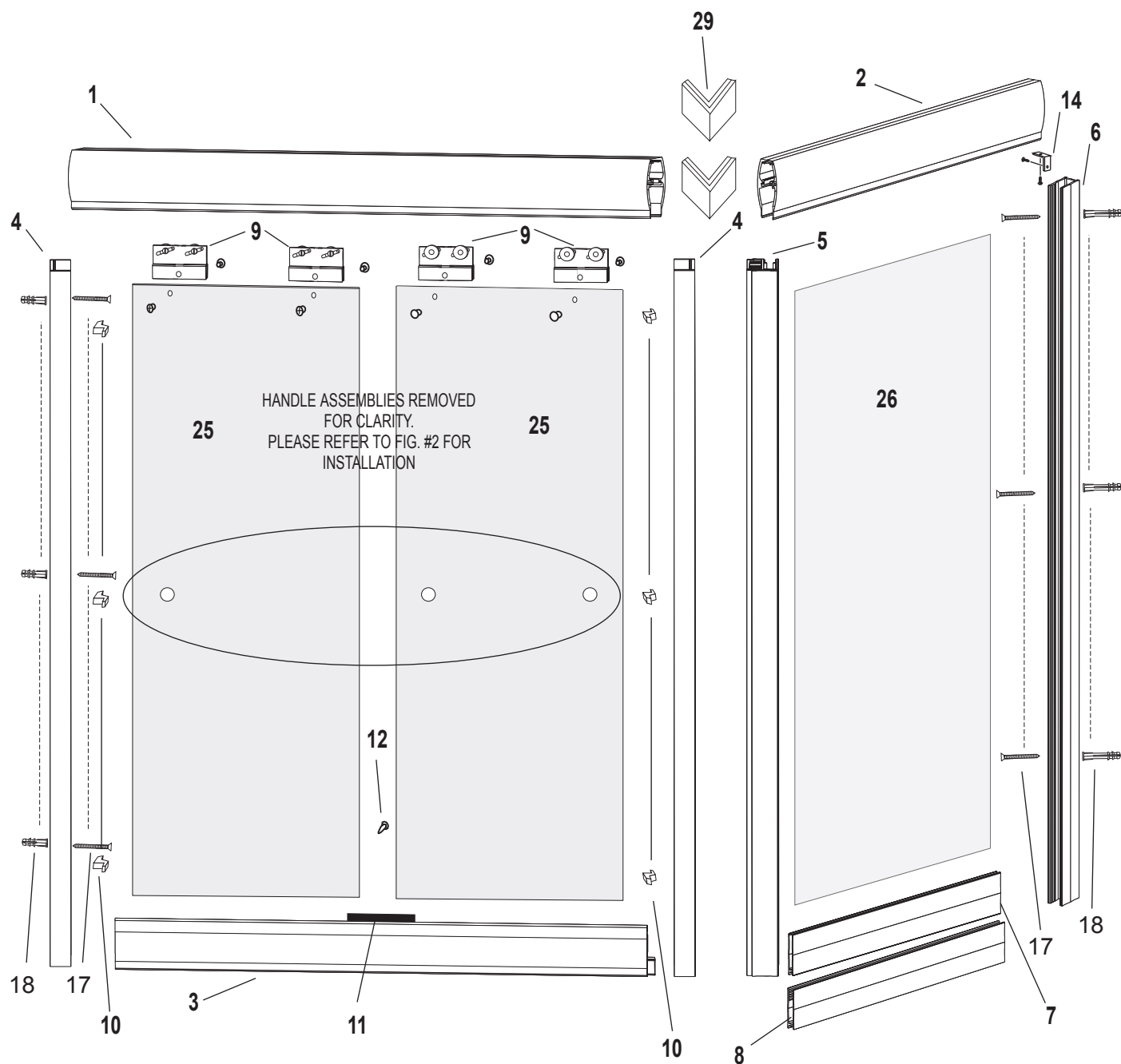
Model: ETE90/ESE90 (Two Panel Sliding Enclosure w/90° Return Panel.)

Drawing #: 6153

Rev. Date: 12-06-05



FIG. #1 - Shower Door Assembly



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FIG. #2 - Top View

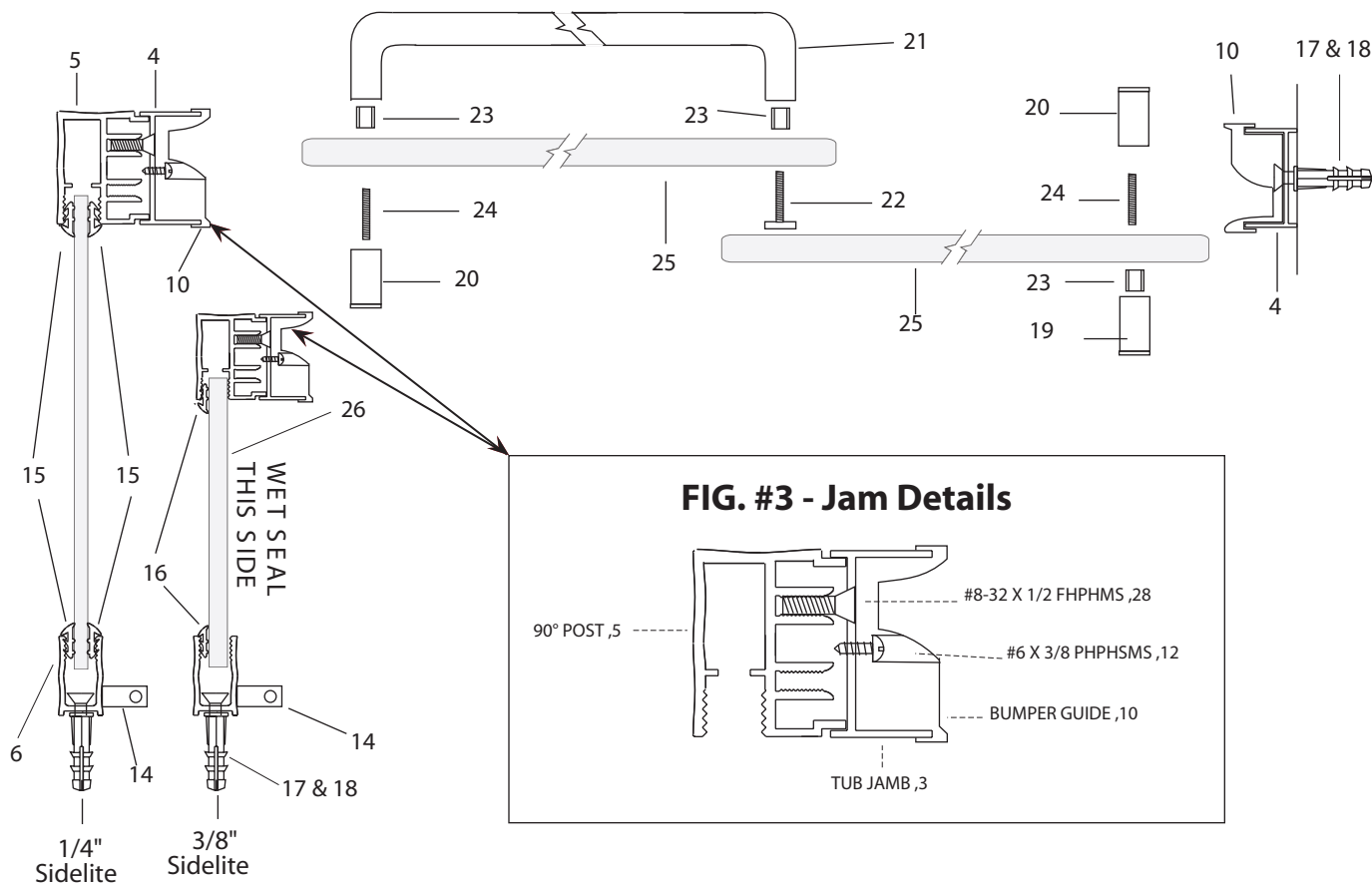


FIG. #3 - Jam Details

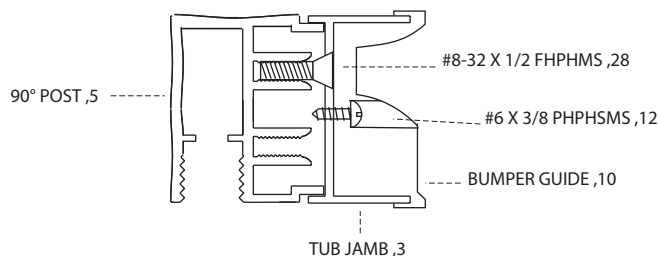


FIG. #4 - Tub Header/Wall Channel

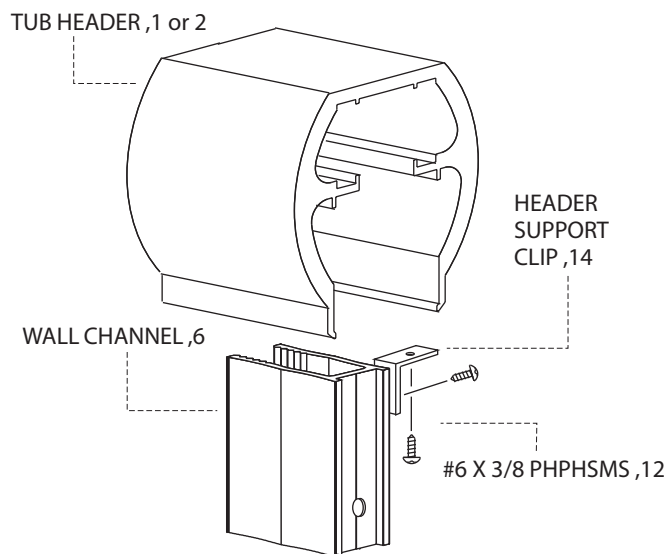
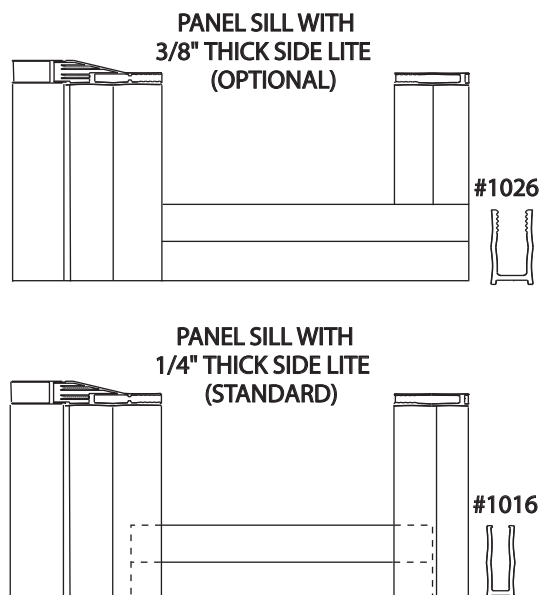


FIG. #5 - Panel Sill



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Rev. Date: 12-06-05



FIG. #6 - Hanger Bracket Assembly

SPECIAL NOTE:

If for some reason the rollers need to be reversed to the opposite side of the glass, the entire hanger bracket assembly must be removed and reinstalled. The rollers must remain on the same side of the bracket that they are assembled.

Screw heads are all on the same side.

Nylon rollers are all on the same side.

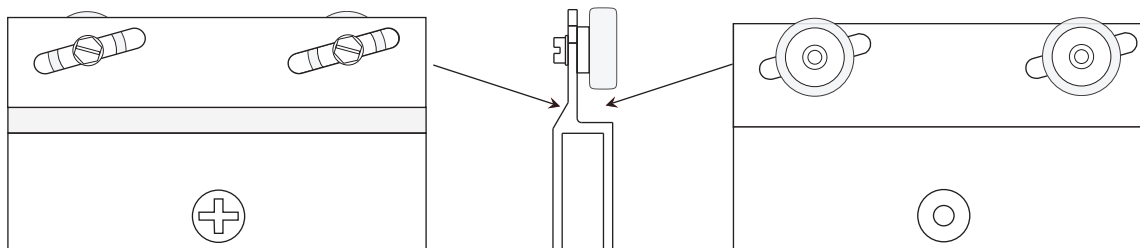
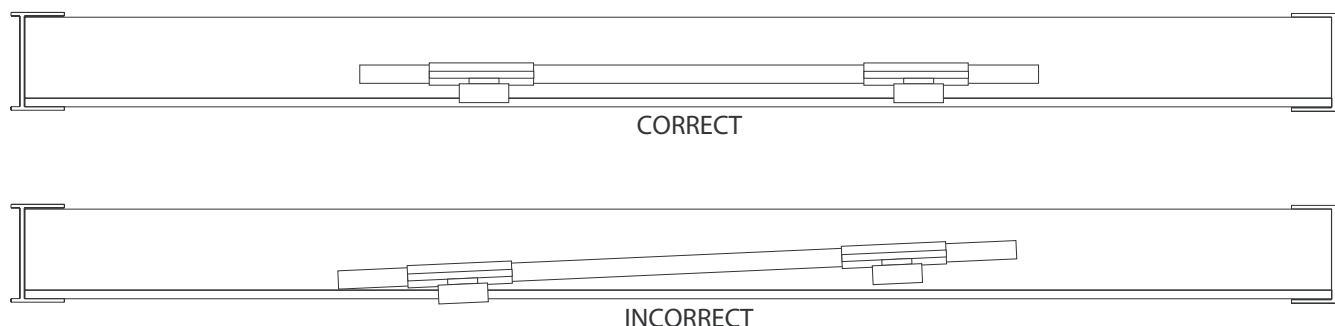


FIG. #7 - Top View - Looking down at the sill with panel installed in header.



6153 ETE90 / ESE90 Parts List

Item #	Part#	Description	Qty.
1	1052	Tub Header	1
2	1052	Tub Header	1
3	1062	Stay Clean Sill	1
4	1051	Tub Jamb	2
5	1004	90° Tub Post	1
6	1026	Wall Channel	1
7	1016	Panel Sill (1/4" side lite)	1
8	1026	Panel Sill (3/8 side lite)	1
9	2275	Hanger Bracket	4
10	2223	Bumper Guide	6
11	2207	Center Guide	1
12	2102	#6 X 3/8 PHPHMS	10
13	2203	Setting Block	1
14	2019	Header Support Clip	1
15	4013	VS-3 Glazing Vinyl (1/4" side lite)	4

	Part#	Description	Qty.
16	4033	VS-20 Glazing Vinyl (3/8" side lite)	3
17	2101	#8 X 1-1/2 FHPHMS	6
18	2217	3/16" Wall Anchor	6
19	2384	Knob	1
20	2385	Knob W/ Bumper	2
21	xxxx	Towel Bar	1
22	xxxx	Back Up Plate	1
23	xxxx	Grommet	3
24	xxxx	Threaded Stud	2
25	xxxx	Slider Glass Panels	2
26	xxxx	Side Lite Glass Panel	1
27	4032	TF-3 T-Fin	1
28	2103	#8-32 X 1/2 FHPHMS	3
29	2013	Tub Header Clips	4
30	2215	Adjustment Wrench	1

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These installation instructions must be followed to ensure proper operation of the door and to reduce the risk of serious injury. Any deviation from these instructions can result in a serious safety hazard.



All exposed ends of aluminum that are rough, sharp or jagged due to the metal being cut, drilled or damaged should be deburred, smoothed or rounded by the installer before installation. Failure to do so could result in serious injury to the user of the enclosure.

Any part of the sliding glass panels hitting any unprotected bathroom obstruction or metal or glass component of the shower door itself, may indicate improper installation and could lead to serious injury. Installers must correct the deficiencies before allowing the door to be used.

SPECIAL NOTE:

Drilling holes and anchoring horizontal sills and curbs to thresholds and tub decks is discouraged. Using masking tape or double-sided tapes to hold these components down during installation is recommended to minimize the potential for water leaking underneath flooring. These instructions do not recommend drilling holes on horizontal surfaces.

STEP 1 - CENTERLINE:

Locate as accurately as possible the centerline, (C/L), of the shower and mark it with a water soluble marker. In most installations the Stay Clean Sill, (ITEM #3), is installed over and parallel to the C/L. Center the Tub Jamb with only 3- holes in it, (ITEM #4), over the centerline and against the slider side wall. Using a level, plumb the jamb, then mark the bottom hole location only, using the predrilled factory hole as a template. Drill the single bottom hole using a 3/16" drill bit, (use carbide tipped drill bits if going into tile, marble or any type of masonry material). Insert one Wall Anchor, (ITEM #18), into the hole, then secure the Tub Jamb with 1- #8 X 1-1/2" FHPHSMS, (ITEM #17) installing the screw through a Bumper Guide, (ITEM #10). NOTE: Tighten screw so that it is snug, but so that the Tub Jamb may be moved side to side at the top. This will allow for final adjustment later. Use two or three strips of masking tape across the Tub Jamb to the wall to hold the jamb from moving during installation.

STEP 2 - STAY CLEAN SILL:

Measure the combined widths of the slider glass panels and subtract 7/16". This is the installed length of the Stay Clean Sill. (Example: Two 30" wide panels equals 60" combined width, subtract 7/16" = 59-9/16"). At this time, calculate measurement, and cut Stay Clean Sill, (ITEM #3), to this length. Next, find the exact middle of the Stay Clean Sill. Using the factory hole in the Center Guide, (ITEM #11), as a template, mark the hole onto the Stay Clean Sill and drill with a #32 wire gauge drill bit. NOTE: Do not attach Center Guide at this time. Set the sill assembly on the shower or tub base by inserting the Stay Clean Sill into the legs of the Tub Jamb and align over centerline. Temporarily hold sill in place with masking tape. Take the second Tub Jamb that has 6- holes in it, (ITEM #4), and attach it to the 90° Tub Post, (ITEM #5), by orienting the 3- large holes to the outside of the shower, and attaching with 3- #8-32 X 1/2 FHPHSMS, (ITEM #28). Attach 3- Bumper Guides, (ITEM #10), to the Tub Jamb by first orienting the guides to receive the outside sliding panel and securing with #6 X 3/8 PHPSMS, (ITEM #12) into the 3- remaining small holes. See (Fig. #2 & 3).

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STEP 3 - PANEL SILL (1/4" Side Lite):

Measure the width of the Side Lite Panel, and add 3/4" to this measurement. Cut the Panel Sill, (ITEM #7) to this dimension. Temporarily set the 90° Post assembly in place over the end of the Stay Clean Sill. Please note that the Panel Sill as well as the Wall Channel that has yet to be installed will set outside of the centerline. Insert the Panel Sill into the 90° Post and align all parts to the wall to determine location of the Wall Channel. Attach the Header Support Clip, (ITEM #14), flush to the end of the Wall Channel, (ITEM #6), as shown in (FIG. #2 & 4). Secure clip with one #6 X 3/8" PHPSMS, (ITEM #12), after this is done, insert Wall Channel, (ITEM #6) over open end of the Panel Sill and against the wall. Plumb Wall Channel and secure to wall by drilling three 3/16" holes and attach with three #8 X 1 1/2 FHPHMS and anchors (ITEM 17 & 18).

STEP 4 - PANEL SILL (3/8" Side Lite):

Temporarily place 90° Tub Post, (ITEM #5), with Tub Jamb attached, in position at the end of the Stay Clean Sill. Please note that the Panel Sill fits between the 90° Post and the wall, NOT between the 90° Post and the Wall Channel. At this time, measure between the post and the wall and cut the Panel Sill, (ITEM #8), to size. Realign the Stay Clean Sill, the 90° Tub Post, and the Panel Sill to determine the location of the Wall Channel. Please note that the Panel Sill as well as the Wall Channel that has yet to be installed, will set outside of the centerline. Remove the 90° Post without disturbing the Panel Sill. Temporarily hold the panel sill in place with masking tape. Set the Wall Channel, (ITEM #6), on top of the Panel Sill, and against the wall, then plumb with a level. Mark the channels predrilled hole locations on the wall and drill with a 3/16" drill bit. Insert three Wall Anchors, (ITEM #18), then realign the channel with the holes and secure with three #8 X 1-1/2" FHPHMS, (ITEM #17).

STEP 5 - WALL CHANNEL:

Please Note: The actual installation of the unit begins at the side lite panel wall. After the Wall Channel is secure, apply sealant to the inside of the Panel Sill to plug each end then insert a Setting Block, (ITEM #13), into the Panel Sill to protect the bottom of the glass panel. Please note that the Setting Block is oversized so that it may be re-cut into as many blocks as is deemed necessary. Remove masking tape from the Panel Sill and set the 90° Glass Panel into the Panel Sill and into the Wall Channel. Temporarily hold the post and glass panel in a plumb position by inserting 1 or 2 inches of Glazing Vinyl into the top of both posts. NOTE: Do not cut vinyl at this time.

STEP 6 - TUB HEADERS:

Using a level, plumb the 90° Tub Post in both directions. Using the post combination plumb, measure from the outside corner of the post to the wall. Add 9/16th" to this measurement, and mark it on the header section. Repeat this procedure at the opposite wall and header. All dimensions are measured from the tip of the 45° miter. Be sure to select the header that is mitered in the correct direction for the side you are measuring. At this time, cut the header to length by cutting the butt end opposite the miter to achieve the finished length. Repeat this procedure for the second header section.

Assemble the right and left header sections with 4- 90° Tub Header Clips, (ITEM #29), by drilling through the roller channels of the headers into the Header Clips while holding the miters together. Use an 1/8" bit. The holes should be located so that when the screws are installed, they will force the clips apart from one another. Secure with 4- #6 X 3/8" PHPSMS screws, (ITEM #12). Set headers in place over the vertical posts. Secure the header assembly to the vertical posts from the inside of the shower by screwing through the factory hole in the Header Support Clip, into the bottom of the roller channel of the header with a #6 X 3/8" PHPSMS screw (ITEM #12). See (FIG. #4). Center the 90° Glass Panel between the posts and finish glazing with 4- VS-3 Glazing Vinyl, (ITEM #15), for the verticals only and "Wet Seal" the Panel Sill at the bottom with silicone caulking. FOR 3/8" THICK SIDELITE: Glaze the outside verticals and bottom with Clear VS-20, (ITEM #16), then "Wet Seal" the inside with silicone caulking. See (FIG. #2)

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STEP 7 - SLIDING PANELS:

Make sure that the Tub Jamb with only one screw in it is snug, but still is able to move side to side. Hang the outside panel only in place in the Header. Make sure that the rollers are firmly seated in the Header roller channel. Slide it all the way towards the fully secured Tub Jamb.

STEP 8 - PANEL ALIGNMENT:

Standing outside of the shower, hold the Header at the top where it meets the unsecured Tub Jamb. BE VERY CAREFUL TO KEEP CONTROL OF THE HEADER SO THAT THE SLIDING GLASS PANELS CAN NOT FALL. Slowly, move the sliding panel to the middle of the opening. Adjust the header side to side, seeking a point where the outside face of the panel laying against the vertical leg of the Stay Clean Sill, exactly parallels it. The full width of the glass panel must contact the T-Fin of the Stay Clean Sill. Now the panel is tracking on the same line as the Stay Clean Sill (FIG. #7). Mark the position of the Tub Jamb onto the wall. Slide the panel back to the secured Tub Jamb and remove the sliding panel and set it a safe place. Move the Tub Jamb back to the marked location on the wall and mark the final two hole locations. Remove the Tub Jamb and drill the holes with a 3/16" drill bit. Insert two Wall Anchors, (Item #18). Realign the Tub Jamb and secure with three, #8 X 1-1/2 FHPHMS, (Item #17), attaching a Bumper Guide, (Item #10), with each screw. See (Fig. #1). Make sure the Bumper Guides are oriented to accept the proper panel. Install both of the sliding glass panels as you did earlier in this step, then install the Center Guide, (Item #11).

STEP 9 - TOWEL BAR AND KNOBS:

The inside sliding panel, when closed, must be at the shower head wall so that it can deflect water away from the overlap of the panels at the center of the enclosure. Thus, the outside panel must be away from the shower head wall when closed. For the pull assemblies, start by sliding the glass panels to their proper closed position. You will notice that the center hole is inaccessible because of the overlap in the panels. Make it accessible by sliding each panel to the opposite wall. Now the hole is at the outside edge. Begin installing the pull assemblies with the panels in this position. Start by installing the Back up Plate through the exposed hole on the outside panel, place one Plastic Spacer in the hole followed from the inside with a Back Up Plate into the corresponding hole in the Towel Bar on the outside of the panel. Slide the panels back to their proper positions and simply follow the detailed drawing in (Fig. #2) for proper orientation and assembly.

STEP 10 - PANEL ADJUSTMENT:

If either panel is skewed or rubs against the sill, adjust the panels by loosening the hex nut on any of the Hanger Brackets with the Adjustment Wrench, (Item #30), provided in the parts kit, and compensate the panels for the wall conditions. NOTE: The panels need not be removed from the header to adjust. Attach the header assembly to the Tub Jambs by drilling, from the inside of the shower, through the header into the Tub Jambs with a #32 wire gauge drill bit. Secure with two #6 X 3/8" PHPHMS, (Item #12).

STEP 11 - CAULKING:

Apply caulk at the joint where the Tub Jambs meet the Stay Clean Sill. Apply caulk at the joints where the Panel Sill meets both vertical posts. Apply a bead of caulk along the entire inside of the enclosure where it meets the walls and base.