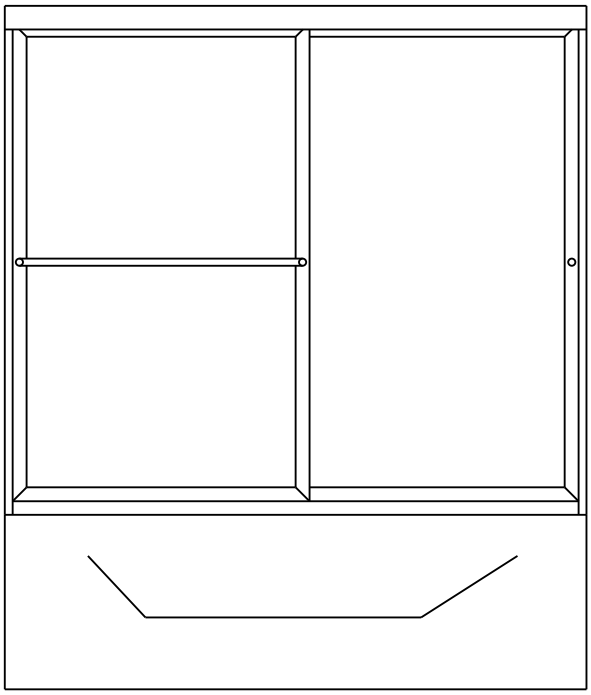
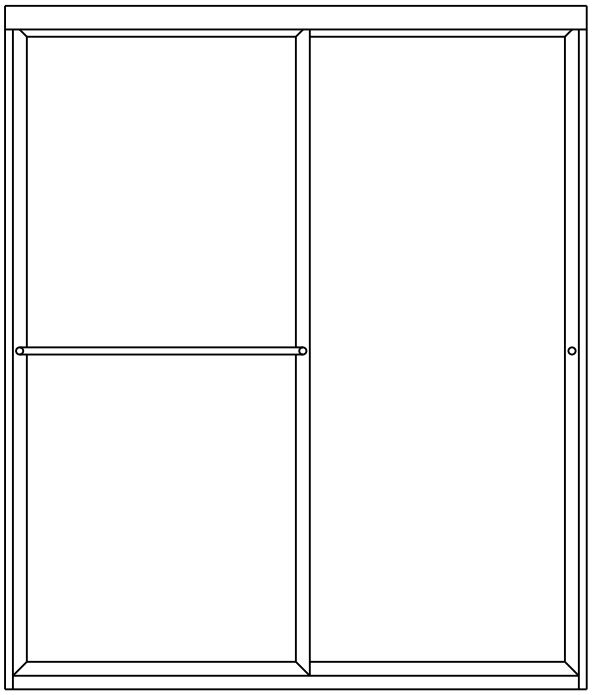
Installation Instructions for
BTE/BSE or FTE/FSE
3/16” Framed Sliders

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.



BTE
FTE



BSE
FSE

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)

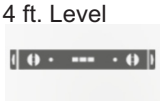
* #2 Phillips Screw driver

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

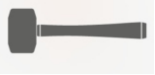
* Caulking gun

* Drill, electric or battery

* 4 ft. Level



* Rubber mallet



* Razor knife

Building Partners through Glass
HARTUNG
GLASS INDUSTRIES

P/N MM.5057
rev061920

This installation sheet is a required component of HA.3541

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

3/16” FRAMED SERIES BY-PASS TUB AND SHOWER ENCLOSURES

PLEASE READ THOROUGHLY BEFORE STARTING INSTALLATION

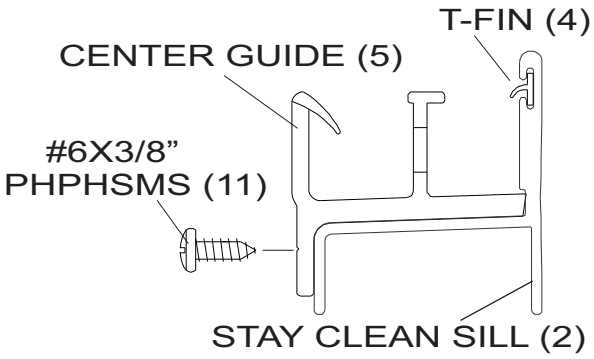
Item	Part #	Description	QTY
1	1040	Tub Header	1
2	1062	Stay Clean Sill	1
3	1051	Tub Jamb	2
4	4032	TF-2B T-Fin	1
5	2207	Center Guide	1
6	2214	Rollers	4
7	7106	Sliding Glass Framed Panels	2
8	2223	Bumper Guides	4
9	2101	#8 x 1-1/2 FHPHSMS	6
10	2217	Wall Anchor	6
11	2102	#6 x 3/8 PHPHSMS	3

STEP 1

CENTERLINE & TUB JAMBS

Locate as accurately as possible the centerline of the shower or tub rim and mark it with a water soluble marker. In most installations, the Stay Clean Sill (Item #2) is installed directly over and parallel to the centerline. Measure the wall to wall distance, 0/100” above the tub rim to allow for any radius or obstructions in the corners. From this measurement, deduct 1/2” and cut the Stay Clean Sill to length. Mark the center of the Stay Clean Sill for the Center Guide(#5). Use the Center Guide’s hole for a template and mark the location onto the sill. Drill the installation hole with a 1/8” drill bit. See illustration #1. Do not attach the Center Guide at this time. Install the T-Fin(4) into the Stay Clean Sill with the fin pointing down. Flush cut at the ends.

ILLUSTRATION #1



STEP 2

TUB JAMBS:

The Tub Jambs (3) should be installed starting at the shower head wall. Set the Tub Jamb on the centerline of the shower base and against the wall. Plumb the jamb, and using the factory holes as a template, mark the holes onto the wall. Drill the holes with a 3/16” drill bit (carbide bit for masonry). Insert anchors(10) into the holes. Secure the Tub Jamb to the wall with three #8x1-1/2” FHPHSMS (9), attaching a Bumper Guide(8) with the top and bottom screws. See Illustration #2. Be sure to orient the Bumper Guides to accept the proper sliding panel. The inside panel will need to close on the side of the shower head. Set the Stay Clean Sill into place in the opening of the secured Tub Jamb at the base. Position and plumb the second Tub Jamb onto the opposite wall, but mark only the bottom hole. Remove the Jamb and drill the hole with the 3/16” drill bit. Insert one Wall Anchor and secure the Tub Jamb with one #8 X 1-1/2” FHPHSMS (9) and Bumper Guide (8). This will allow the Tub Jamb and Header assembly to move for the final adjustment later.

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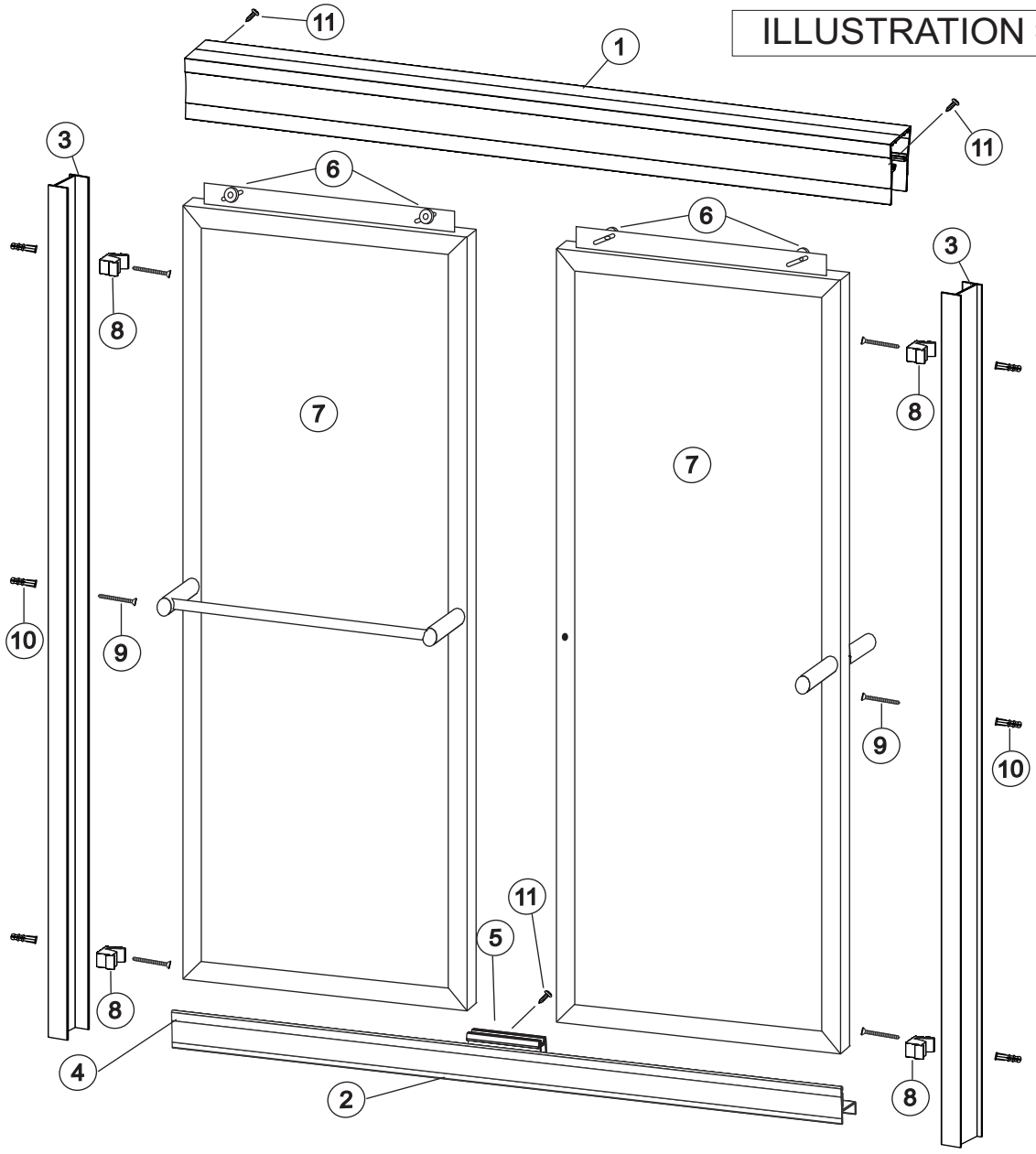
ILLUSTRATION #2



3/16” FRAMED SERIES BY-PASS TUB AND SHOWER ENCLOSURES

STEP 3
TUB HEADER:

Measure wall to wall at the top of the Tub Jambs and deduct 1/16” and cut Tub Header (1) to length. Mark where the header will attach to the Tub Jambs from the inside of the shower according to illustration (#3). Remove the Header and drill 1/8” holes at the marked locations. Set the Tub Header in place over the Tub Jambs but do not secure at this time. Screw size is a #6x3/8” PHPHSMS (11), see illustration #4.

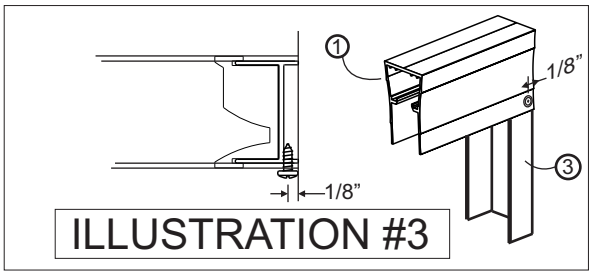
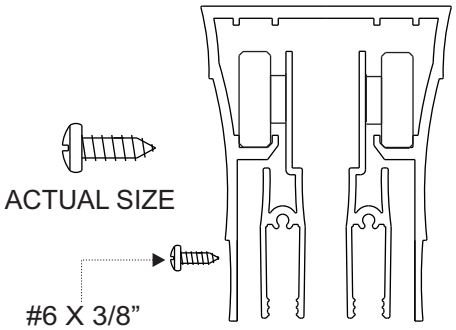


ILLUSTRATION #3

ILLUSTRATION #4



STEP 4
PANEL INSTALLATION:

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 panels in place in the Header starting with what will be the inside panel. Slide it all the way toward the fully secured Tub Jamb. Install the outside panel, making sure that the rollers on both panels are fully seated into the tracks in the header. Finish by installing the Center Guide (5) and securing it with one #6x3//8” PHPHSMS (11).

STEP 5
PANEL ALIGNMENT:

Standing outside 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 panels, one at a time, back and forth and into the Tub Jambs, while adjusting the header side to side, seeking a point where the panels pocket perfectly into both Tub Jambs. At this point both Tub Jambs are at identical positions on the wall. Mark the position of the Tub Jamb onto the wall. Slide both panels back to the secured Tub Jamb and remove the Center Guide. Remove both sliding panels and set them in a safe place. Move the Tub Jamb back to the marked location of the wall and mark the final two hole locations. Move the Tub Jamb out of the way just far enough to reveal the marked holes, then drill the holes with a 3/16” drill bit, and insert two Wall Anchors (10). Realign the Tub Jamb and secure with two #8 X 1-1/2” FHPHSMS (11). Reinstall both of the sliding glass panels as you did earlier in the last step, then reinstall the Center Guide.

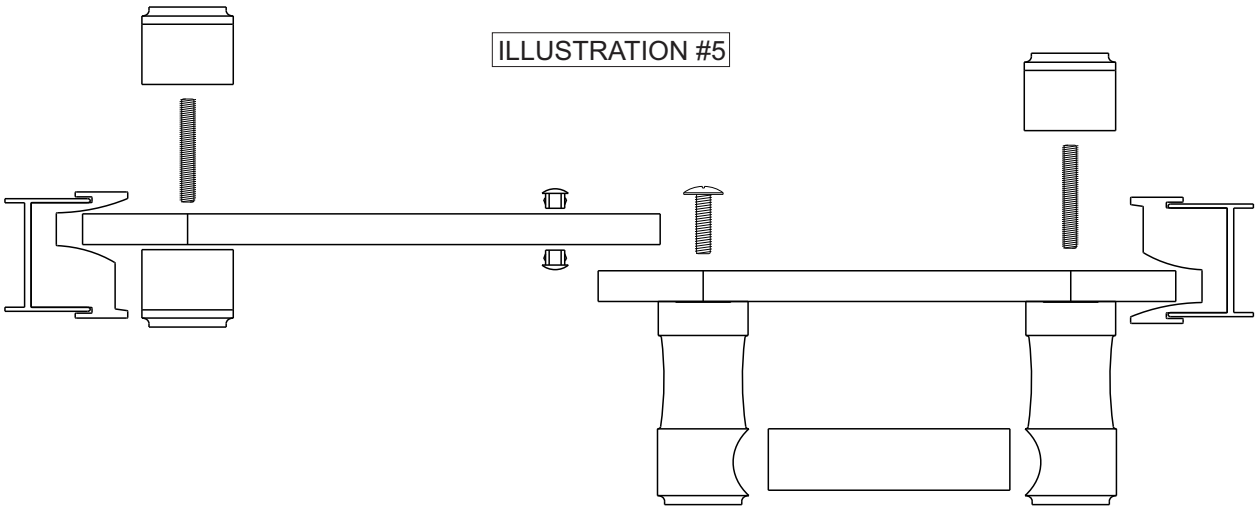
3/16” FRAMED SERIES BY-PASS TUB AND SHOWER ENCLOSURES

STEP 6
TOWEL BAR & PULLS

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. See the instructions included with the towel bar kit to install the towel bar & pulls.

This top view shows the towel bar and pull locations for a shower head that is on the left wall. If the shower head is on the right the panels would be reversed.

ILLUSTRATION #5



STEP 7
PANEL ADJUSTMENT

If either of the sliding panels 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, provided in the parts kit. Be sure to re-tighten the screws. **NOTE: The panels can be adjusted while still hanging in the header.** Secure the Header to the Tub Jambs by drilling through the holes drilled in the header in step #3 and into the tub jambs with a 1/8” drill bit. Then insert #6 X 3/8” PHPHSMS (Item#11) through the holes in the header and tub jambs from the inside of the shower. Tighten with a #2 phillips screwdriver or reduce the torque on the drill to prevent damage to the screws.

STEP 8
SEALANT

Apply a bead of sealant along the entire outside of the enclosure where it meets the wall and base. Pay special attention at the bottom corners where the Tub Jambs meet the Stay Clean Sill. These joints must be totally sealed for a leak proof installation.

NOTE: You may have unused items leftover depending on the desired configuration selected. For installation and technical support please reference the shipping document, the box the product was shipped in, or call the store where you purchased the product.