

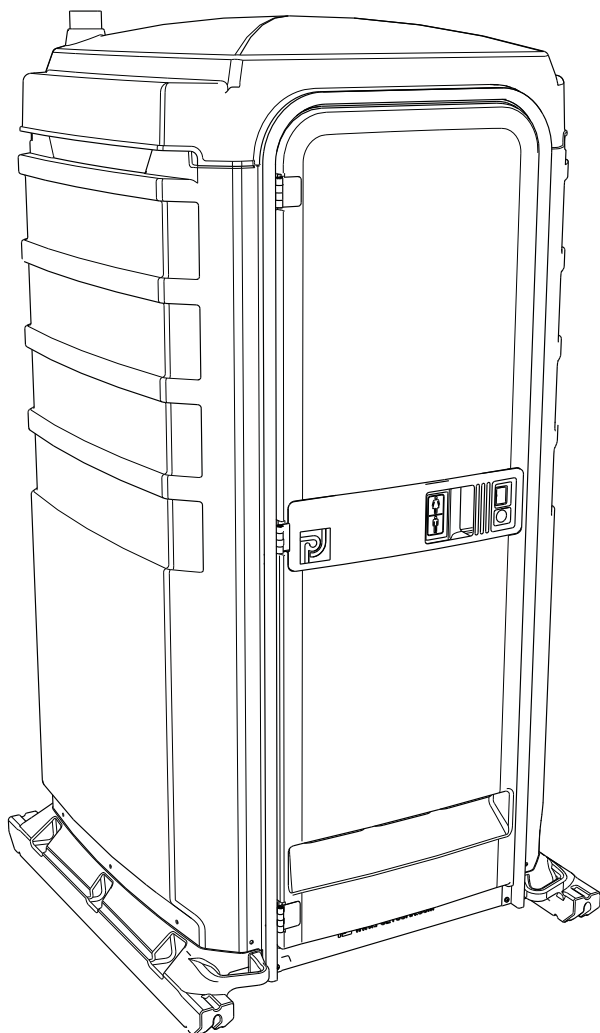


SH1 Fleet™ Shower Series

Cold Water Shower Model

Assembly Manual

U.S. PATENTS: 5,500,960 - 5,500,962 - 5,560,050 - 6,199,222 D 360,471



SPECIFICATIONS

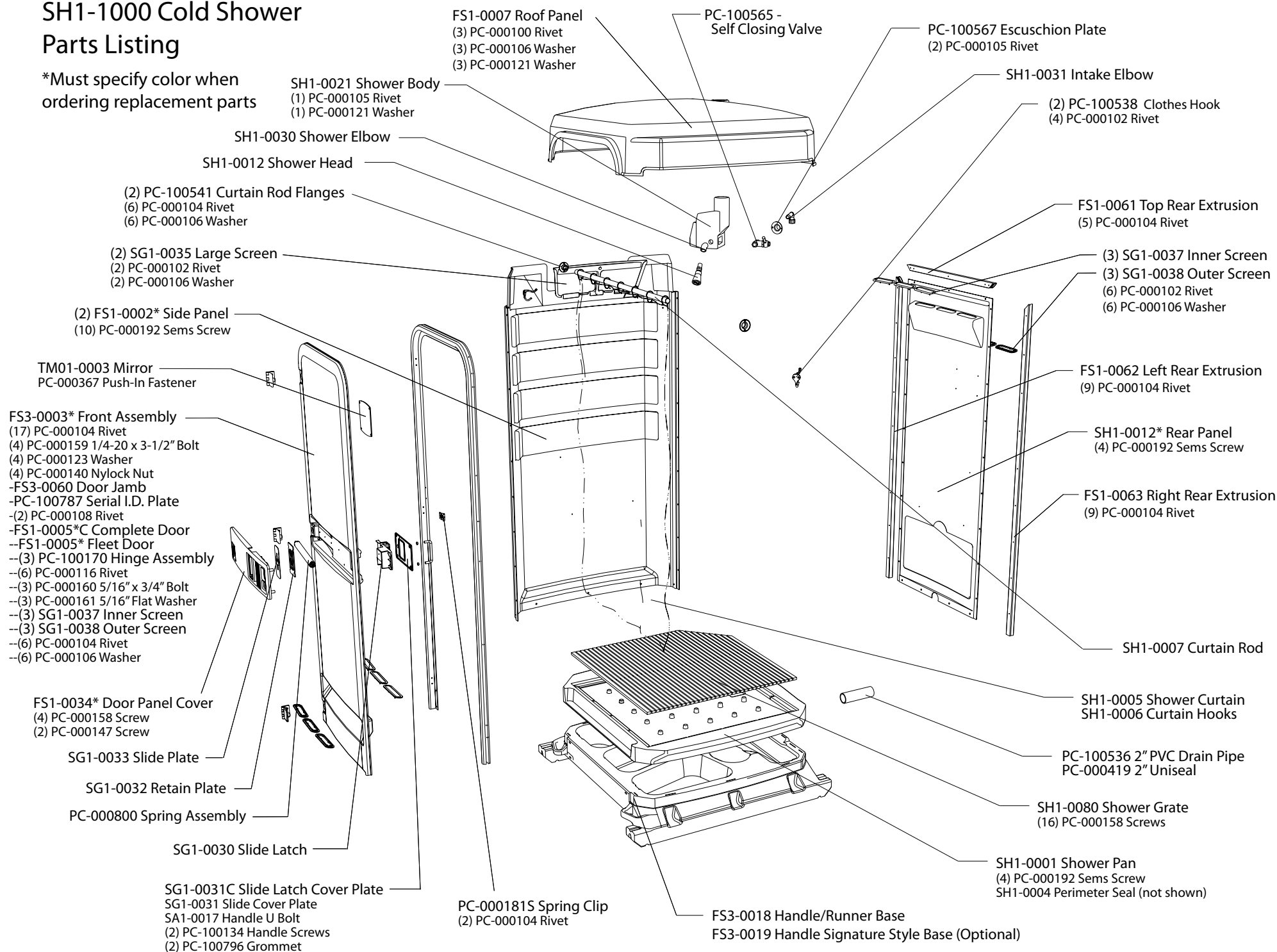
DIMENSION	IMPERIAL	METRIC
Exterior Height	91 in	231 cm
Interior Height	83 in	211 cm
Exterior Width	47 in	119 cm
Interior Width	45.7 in	116 cm
Exterior Length (Runner Base)	48 in	122 cm
Exterior Length (Optional Signature Style Handle Base)	47 in	119 cm
Interior Length	43 in	109 cm
Weight	195 lb.	88 kg
Door Frame Height (ID)	75 in	191 cm
Door Frame Width (ID)	26 in	66 cm
Side Panel Decal Area	6 in X 37 in	15 cm X 94 cm
Door Decal Area	22.5 in X 29 in	57 cm X 74 cm

TerraBound Solution Inc.
20020 Hickory Twig Way
Spring, TX 77388
TOLL FREE: 1-877-857-2915
www.terraboundsolutions.com

SH1-1000 Cold Shower

Parts Listing

*Must specify color when ordering replacement parts



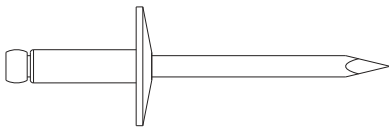
GENERAL OVERVIEW

- These instructions are for showers shipped unassembled. Please retain these instructions for maintenance and repair purposes.
- The **SH1-1 Model** shower assembly will require two people.
- All references to left, right, front and rear are as viewed from the front of the shower.
- Review the entire instruction manual prior to assembly.
- Please follow the instructions in the order they are presented.
- When using air operated screw drivers or impact wrenches, be sure that the torque setting does not exceed 28 inch pounds. Also, when using a battery-operated drill, set it to the lowest torque setting.
- We strongly suggest that these showers, as with all portable structures, be transported and handled with care. Dropping the shower when loading and unloading could cause damage to the door jamb and other components.

~~TOOLS REQUIRED FOR ASSEMBLY~~

- Rivet Gun
- Standard Slotted Screwdriver
- Phillips Crosshead Screwdriver
- Vise-Grips
- Pliers
- Teflon Tape
- (2) Tapered Awls
- Drill with a 13/64" and 1" Drill Bit
- Socket Wrench with a 7/16" socket

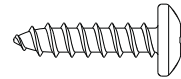
FULL SCALE FASTENER DRAWINGS



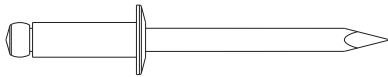
(3) PC-000100 - Rivet



(4) PC-000140 Lock Nut



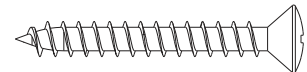
(2) PC-000147
3/4" Long SM Screw



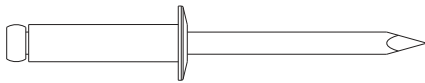
(6) PC-000102 - Rivet



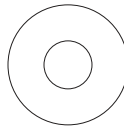
(11) PC-000106 - Washer



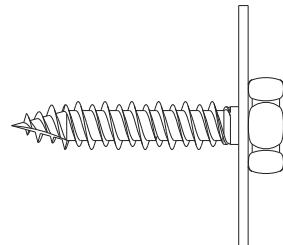
(4) PC-000158
1-1/2" Long SM Screw



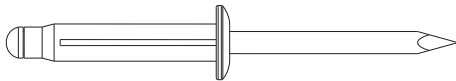
(48) PC-000104 - Rivet



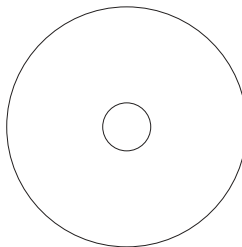
(4) PC-000123 - Washer



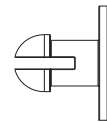
(18) PC-000192 Sems



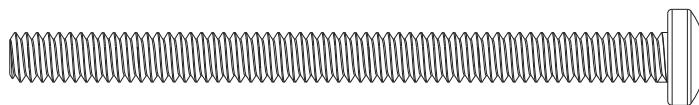
(3) PC-000105 - Rivet



(4) PC-000121 - Washer



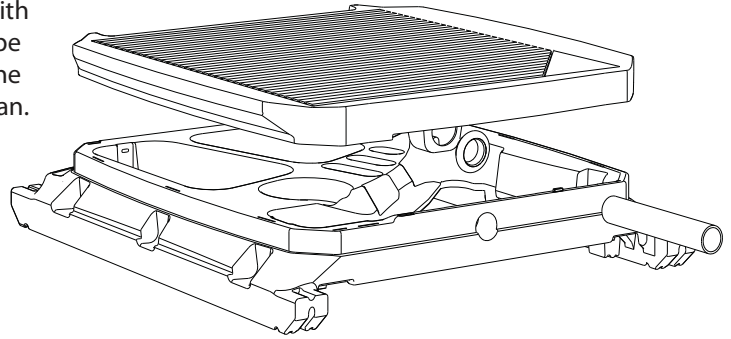
(4) PC-000367 - Nylon
Push-In Fastener



(4) PC-000159 - Screw

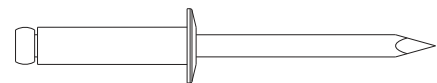
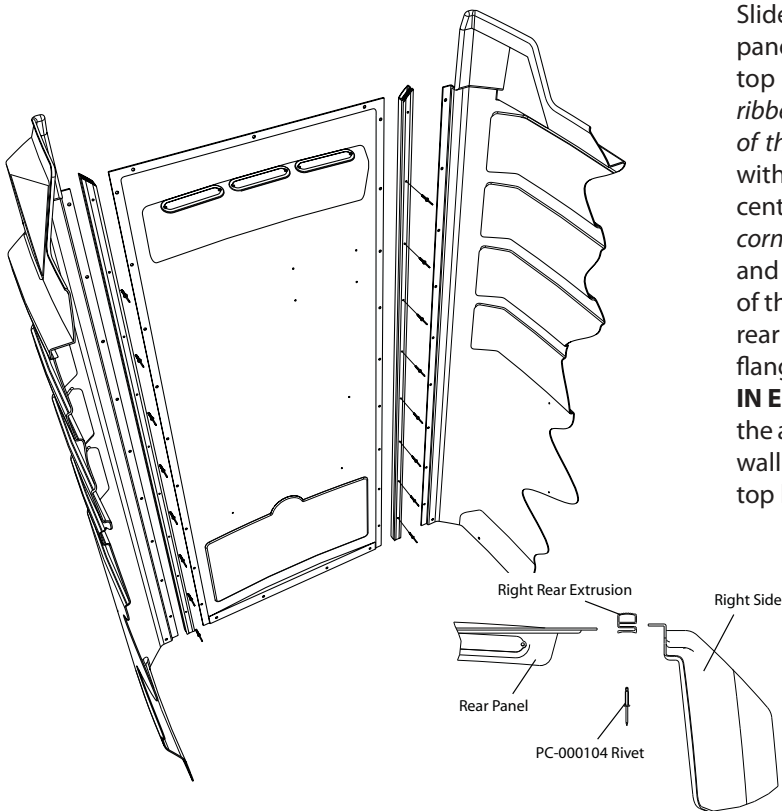
Step 1: Shower Pan to Base

Insert the PC-000419 Uni-Seal into the hole at the bottom of the shower sump. Place the shower pan on the base, with the drain going towards the rear. Take the 2" drain pipe supplied, and insert it through the hole in the rear of the unit and into the Uni-seal in the bottom of the shower pan. A lubricant, such as dish soap would help in getting the pipe completely inserted into the uni-seal.



Step 2: Sidewall Panels to Rear Extrusions and Rear Wall Panel

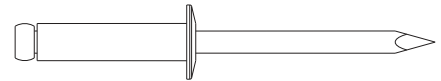
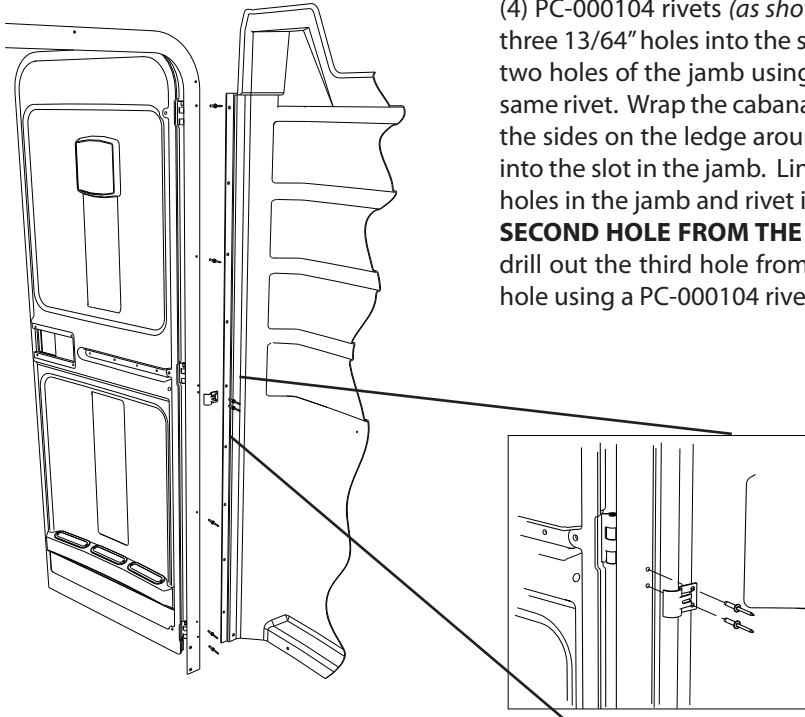
Slide a plastic rear extrusion onto each side of the rear panel making sure that the mitered ends are towards the top of the rear panel (*where the fly screens are, and the ribbed side of the extrusions are facing toward the outside of the shower*). Line up the holes in the rear extrusions with the holes in the rear wall panels. Insert awls into the center holes. Slide the right side wall panel (*with hatch in corner*) into the corresponding slot of the rear extrusion and remove the awl from that rear extrusion. Line up all of the holes and rivet from the inside, the rear extrusions, rear wall panel and side wall panel together using small flange, rivets, PC-000104. **DO NOT RIVET THE TOP HOLE IN EITHER OF THE EXTRUSIONS AT THIS TIME.** Remove the awl in the left extrusion and rivet together the left side wall panel, left rear extrusion, and rear panel, leaving the top hole for later.



PC-000104 Rivet
(16) Used in this step

Step 3: Sidewall Panels to Door Jamb

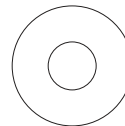
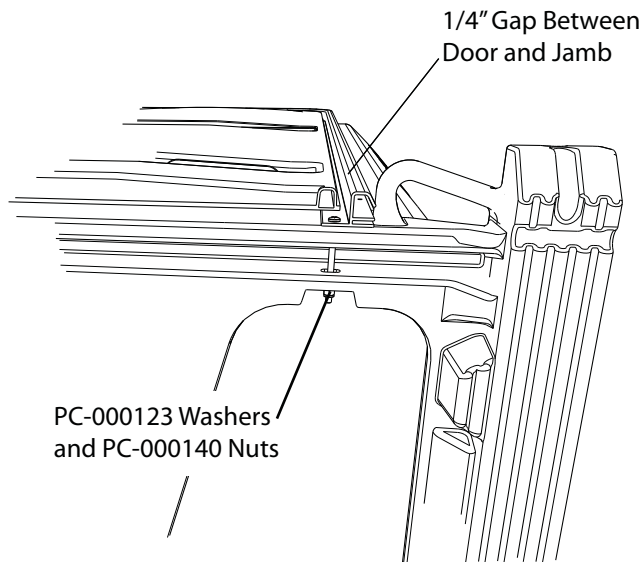
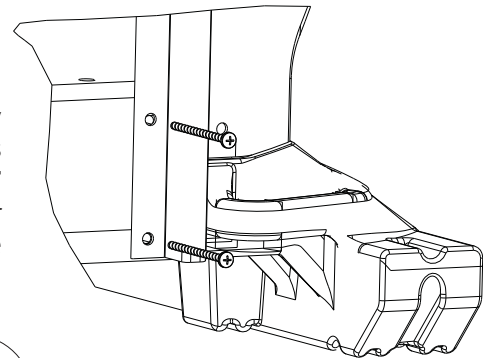
Insert the edge of the left side panel into the slot on the left side of the door jamb. Line up the holes in the jamb with the corresponding holes in the side panel. Rivet the second and third holes from the bottom as well as the top two holes using (4) PC-000104 rivets (*as shown on the left*). Using holes in the jamb as a guide, drill three 13/64" holes into the side panel. Rivet the PC-000181S cable clip at the center two holes of the jamb using (2) PC-000104 rivets. Rivet the bottom hole using the same rivet. Wrap the cabana around the base of the unit resting the bottom edge of the sides on the ledge around the base. Slide the edge of the right side wall panel into the slot in the jamb. Line up the holes in the side panel with the corresponding holes in the jamb and rivet in place using (4) PC-000104 rivets. **DO NOT RIVET THE SECOND HOLE FROM THE TOP AT THIS TIME.** Using a drill with a 13/64" drill bit, drill out the third hole from the top as well as the bottom hole. Rivet the bottom hole using a PC-000104 rivet.



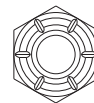
PC-000104 Rivet
(14) Used in this step

Step 4: Cabana to Base

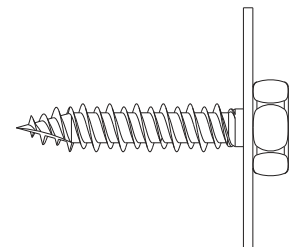
Insert (4) PC-000159 bolts through the holes at the bottom of the jamb and into the slots in the base. On the back-side of the unit, center the rear panel on the base. Fasten the rear panel to the base using (4) PC-000192 sems. Gently lay the unit on it's back. Place (4) PC-000123 washers and (4) PC-000140 nuts on the PC-000159 bolts at the front of the base, but **DO NOT TIGHTEN AT THIS TIME.** Close the door and tighten the bottom bolts (*making sure that there is a 1/4" gap between the latch side of the door and the jamb*). Open the door and tighten the top bolts.



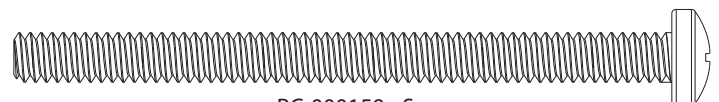
PC-000123 - Washer
(4) Used in this step



PC-000140 Lock Nut
(4) Used in this step

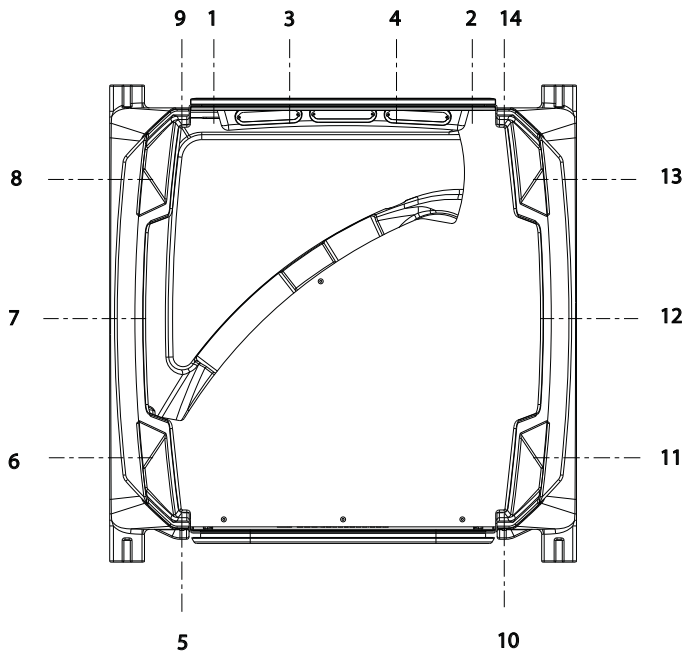


PC-000192 Sems
(4) Used in this step

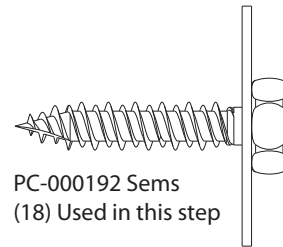


PC-000159 - Screw
(4) Used in this step

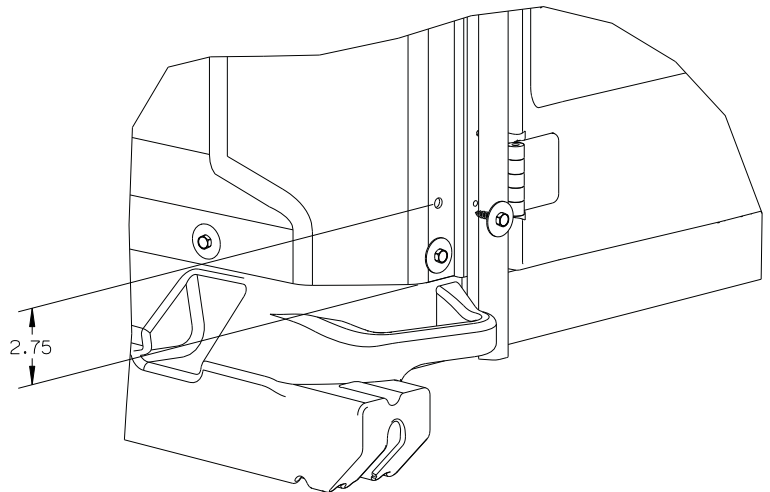
Step 4: Cabana to Base Cont.



Carefully stand the unit upright. Starting with the left of the unit, drive a PC-000192 sems screw through the pre-drilled hole in the front of the side panel. **BE SURE NOT TO OVERTIGHTEN AND STRIP OUT THE PLASTIC.** Continue around the left side of the unit, until you reach the rear extrusion. Repeat this process with the right side of the unit, starting with the front.

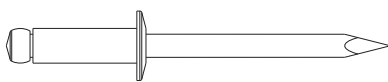


Fasten the shower pan in place by driving in (4) PC-000192 Lag screws on either side of the door jamb and on either side of the rear extrusions as shown in the figure to the right. **BE SURE NOT TO OVERTIGHTEN AND STRIP OUT THE PLASTIC.**

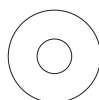


Step 5: Screen Installation

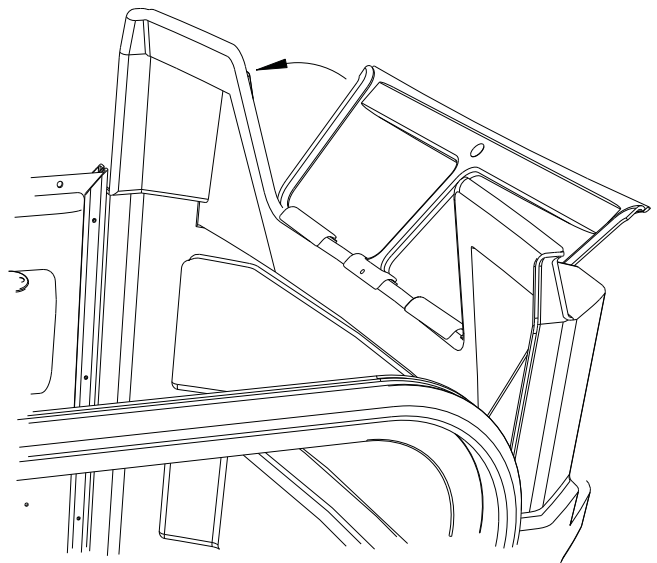
Take a SG1-0035 large fly screen and place the bottom curved flanges onto the top of the right side panel (*as shown on the right.*) Tilt the top of the fly screen up into place. Using the hole in the bottom, middle flange as a guide, drill a 13/64" hole through the side panel. Rivet in place using a PC-000102 rivet from the inside with a PC-000106 back-up washer on the outside. Repeat this step with the left side.



PC-000102 Rivet
(2) Used in this step

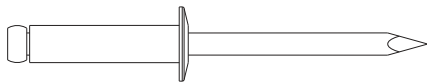
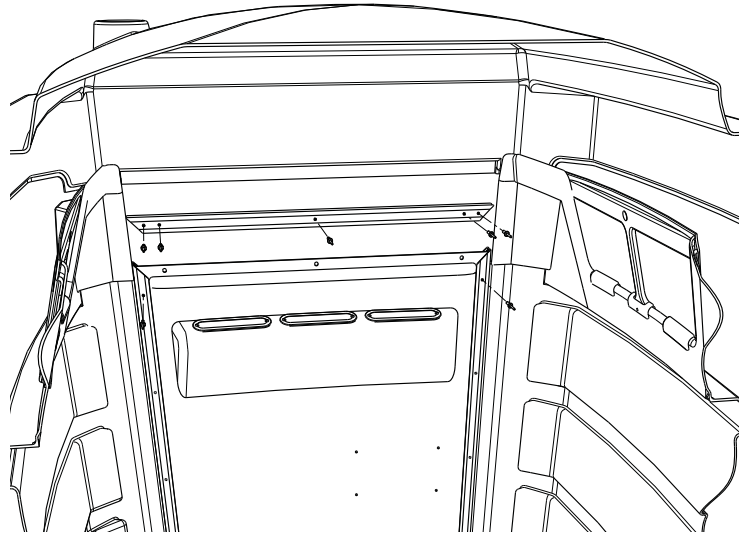


PC-000106 Washer
(2) Used in this step

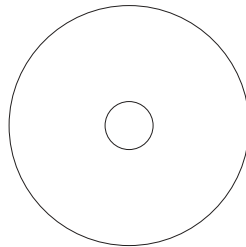


Step 6: Roof Installation

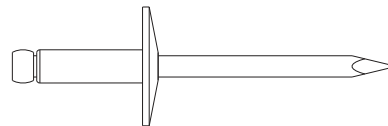
Place the FS1-0061 top extrusion on the top edge of the rear panel so that the miters line up with the left and right extrusions, and that the grooved surface is facing the outside. Place the roof on the top of the unit with the arch in the roof going into the groove in the top of the jamb. Put the rear edge of the roof in the groove in the top rear extrusion. With someone pushing down on the back of the roof, use the holes in the rear extrusion as a drill guide, drill five 13/64" holes into the roof. **MAKE SURE TO ONLY DRILL THROUGH THE ROOF AND NOT THROUGH THE BACK OF THE TOP REAR EXTRUSION.** Rivet the top holes in both the left and right rear extrusions as well as the five holes of the top rear extrusion using (7) PC-000104 rivets. Push down on the front of the roof while using the holes in the jamb as a drill guide, drill five 13/64" holes through the roof. Rivet in place using (5) PC-000104 rivets. Locate the holes in the top of each of the side panels. Push out on the top of the side panel, and using a 13/64" drill bit, drill a hole through the hole in the top of the side, and through the roof. Rivet in place using a PC-000100 rivet on the inside with a PC-000121 washer and a PC-000106 back-up washer on the topside of the roof. Repeat for all the holes in the top of the side panels but do not fasten the one closest to the hole for the vent stack at this time.



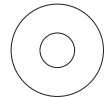
PC-000104 Rivet
(12) Used in this step



PC-000121 Washer
(3) Used in this step



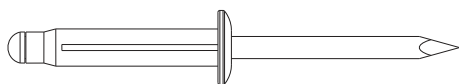
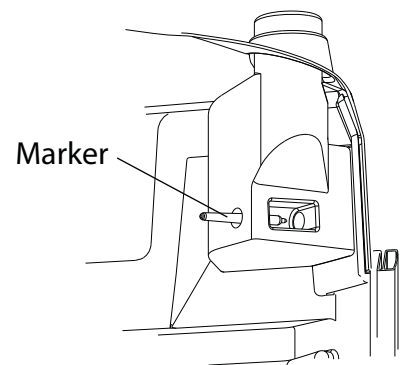
PC-000100 Rivet
(3) Used in this step



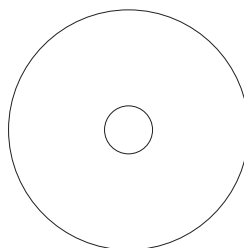
PC-000106 Washer
(3) Used in this step

Step 7: Shower Assembly Installation

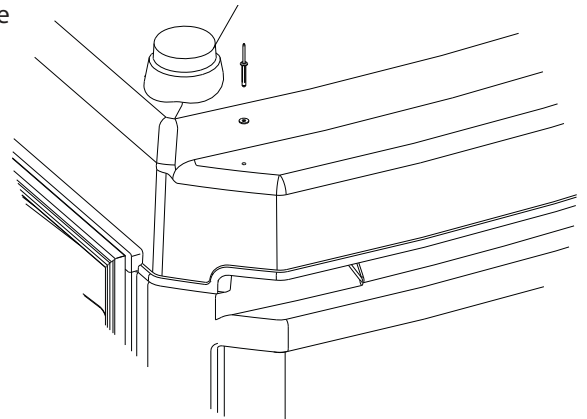
On the inside of the unit, push the top of the shower assembly plastic body up into the vent stack hole in the left rear corner of the roof. Using a black felt tipped marker, mark the spot where the hole in the shower body lines up with the top of the side panel. Remove the shower body from the vent stack hole, and drill a 1" hole through the side and roof in the location just marked. Place the shower body back up into the vent stack hole, and make sure that the hole that was drilled lines up with the molded through hole in the shower body. With someone holding the shower body in place, drill a 13/64" hole through the hole in the top of the roof (that was drilled in step 6), and into the shower body. Rivet in place using a PC-000105 rivet with a PC-000121 washer behind the head of the rivet.



PC-000105 - Rivet
(1) Used in this step

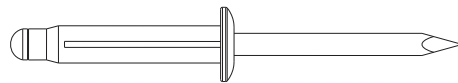
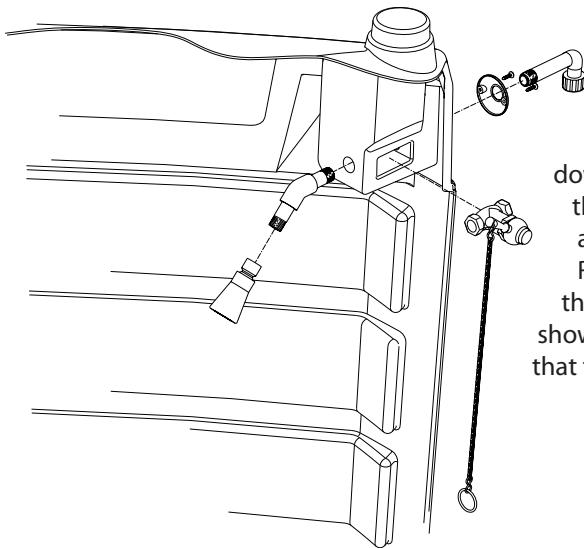


PC-000121 Washer
(1) Used in this step



Step 7: Shower Assembly Installation Cont.

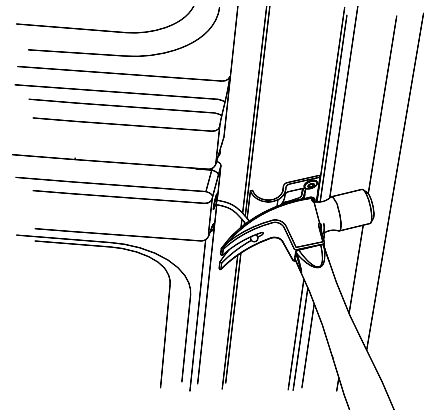
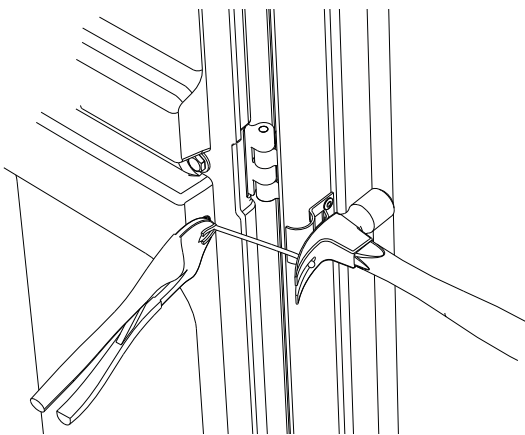
Refer to the diagram on the left for the placement of the plumbing parts. Insert the PC-100565 shower valve into the molded in recess in the shower body. Wrap some Teflon tape around the threads on the SH1-0031 Shower Intake pipe and the SH1-0030 Shower head assembly. From the outside of the unit, place the PC-100567 Escutcheon plate over the end of the SH1-0031 Shower Intake pipe and thread the intake pipe through the hole and into the shower valve. Make sure that the hose connection is pointing down and that the connection is tight. Fasten the Escutcheon plate to the outside of the unit by drilling two holes into the roof, side panel, and shower body through the two molded through holes in the plate. Rivet in place using (2) PC-000105 rivets. On the inside of the unit, thread the Shower head assembly through the molded in hole of the shower body and into the shower valve. Tighten all the way, making sure that the shower head points down.



PC-000105 - Rivet
(2) Used in this step

Step 8: Spring Installation

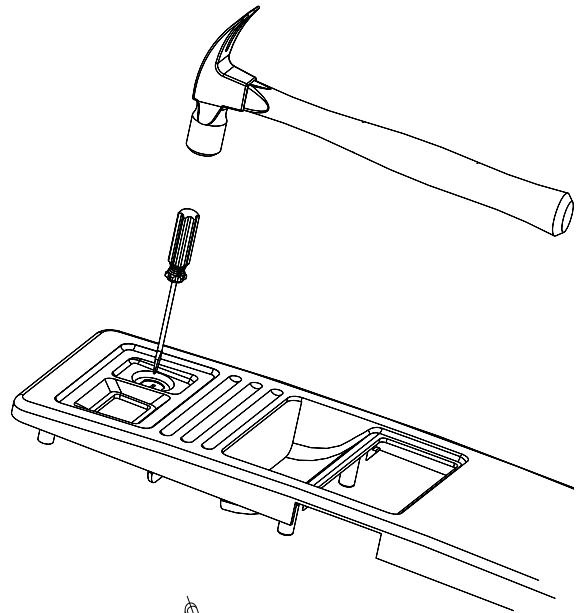
From the front of the door, insert the cable end of the spring assembly into the 1/2" hole in the door. Make sure that the 1/2" boss in the end cap of the spring assembly is pushed through the hole. On the inside of the unit, place the top of a hammer against the PC-000181S spring cable clip (as shown on the right). Place the end of the spring cable in the claw of the hammer.



Open the door while holding the hammer in position. Hold the door open with your foot, and clamp a vice-grips pliers on the cable where it comes out of the door. **BE SURE TO CLAMP DOWN TIGHT.** Remove the cable from the claw of the hammer, close the door, and place the end of the cable into the slot of the cable clip. Open the door, and remove the vice-grips.

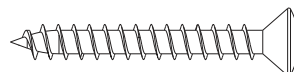
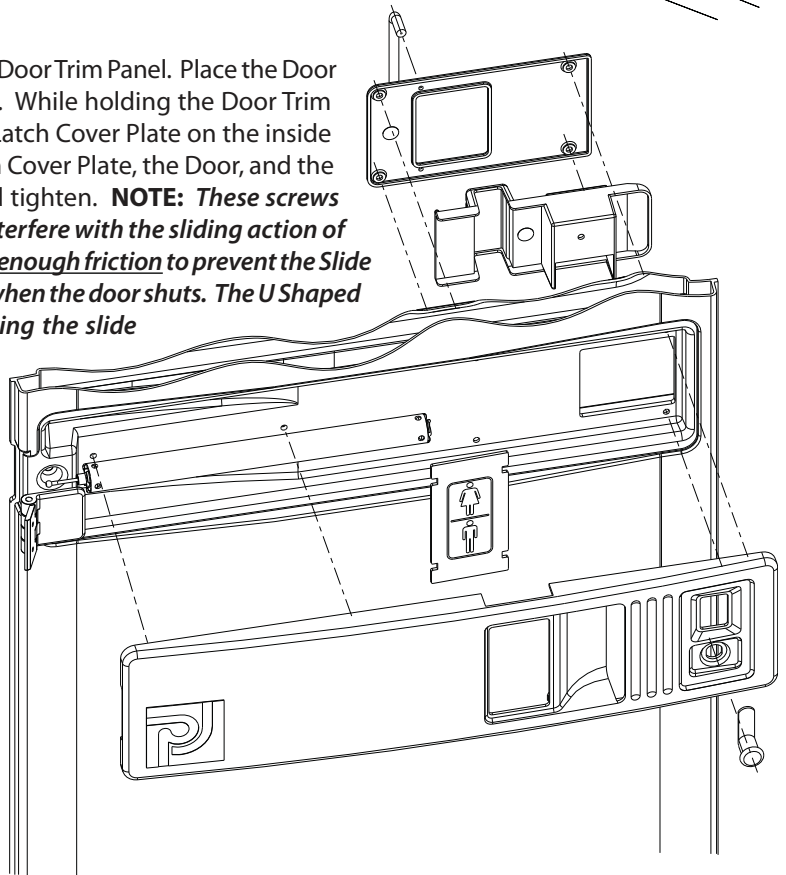
Step 9: Optional Lock Installation

Place the tip of a screwdriver in the lock area of the Door Trim Panel (as shown on the right). Strike the handle end of the screwdriver with a hammer to "knockout" the plastic filling the hole for the lock. Remove the nut from the end of the lock, and insert the lock through the hole of the Door Trim Panel from the outside. Re-insert the nut back on the lock and tighten down. Insert the key and turn the lock to the right and remove the key (this is the locked position which is needed at this point to check the lock for proper installation with the Slide Latch mechanism which is installed in the next step). **NOTE: Turning the key upright is the neutral or normal use position which allows the Slide Latch to move into the "Open/In-Use" position when persons are inside the shower. Turning the key to the left is the open position and the key can not be removed until either in the "Open/In-Use" or "Locked" position.**

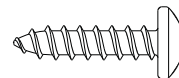


Step 10: Door Panel /Slide Latch Installation

Snap the Unisex Indicator Plate into the back of the Door Trim Panel. Place the Door Trim Panel into the recess in the front of the door. While holding the Door Trim Panel in position, place the Slide Latch and Slide Latch Cover Plate on the inside of the door and line up the holes of the Slide Latch Cover Plate, the Door, and the Door Trim Panel. Insert (4) PC-000158 screws and tighten. **NOTE: These screws should be tightened to the point where they will interfere with the sliding action of the Slide Latch and then backed off slightly, leaving enough friction to prevent the Slide Latch from sliding into the "In-Use/Open" position when the door shuts. The U Shaped handle prevents persons from inadvertently moving the slide latch to the "In-Use" position when exiting the restroom.** Insert the flip "Male-Female" Indicator Plate into the slot on the top edge of the Door Trim Panel (above where the Unisex Indicator Plate is located). Insert (2) PC-000147 screws into the holes toward the hinged side of the door, line up with the holes in the Door Trim Panel, and tighten. If the optional lock is installed, unlock the lock by inserting the key into the lock and turning to the left and back to the upright position which is the neutral or normal use position and remove the key (this allows the Slide Latch to move into the "Open/In-Use" position when persons are inside the shower). Turn the key to the right and remove the key for the locked position. Turning the key to the left indicates the open position and the key can not be removed until either in the "Open/In-Use" or "Locked" position. **IMPORTANT: The punched 1/4" hole in the center of the Slide Latch where the "In-Use/Open" stamp is imprinted complies with code enabling the door to be unlocked from outside the shower in the event of distress and a person inside were unable to unlock the door. A POINTED OBJECT INSERTED INTO THE HOLE AND MOVING THE SLIDE LATCH TO THE LEFT WILL ALLOW THE DOOR TO BE OPENED PROVIDING THE DOOR HAS NOT BEEN LOCKED WITH THE KEY.**



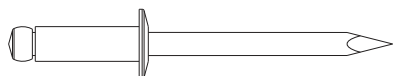
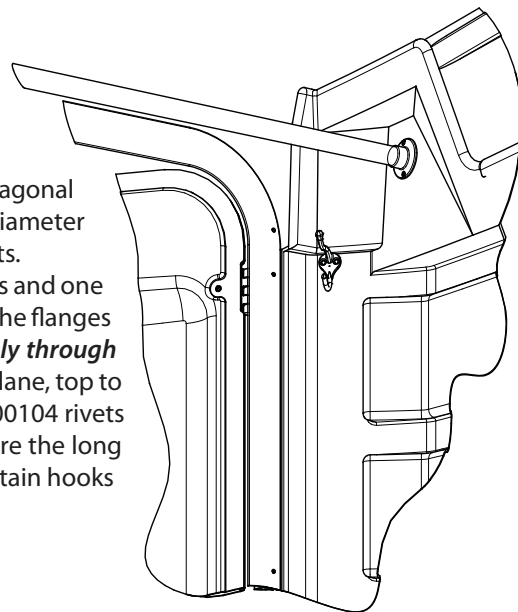
PC-000158 Screw
(4) Used in this step



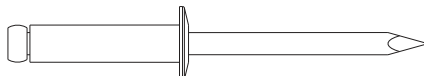
PC-000147 Screw
(2) Used in this step

Step 11: Clothes Hooks, Shower Curtain and Hanging Rod

Using the PC-100538 coat hook as a drill guide, hold it up against the top diagonal corners (*left and right as shown*) towards the door and drill two 13/64" diameter holes. Rivet each hook in place from the outside with (2) PC-000102 rivets. The shower curtain rod is a three-piece assembly consisting of two flanges and one 1" diameter x 39 3/4" long tube. Position the flanges on the long tube. Use the flanges as a drill guide and drill three 13/64" diameter holes. ***Be sure to drill only through the side panel, and not through the roof.*** Make these holes on a vertical plane, top to bottom, for more strength. Rivet in place from the inside using (3) PC-000104 rivets per flange with (3) PC-000106 back-up washers on the outside. Make sure the long tube is level. Drill and rivet the other flange in place. Add the shower curtain hooks to the shower curtain; slip them over the curtain rod and snap in place.



PC-000102 Rivet
(4) Used in this step



PC-000104 Rivet
(6) Used in this step



PC-000106 Washer
(6) Used in this step

General Use and Maintenance

Locking/Unlocking the Unit (Optional)

If this unit is equipped with an optional exterior lock, it can be locked to prevent unwanted usage in the evening or weekend hours when no one is onsite. This is done by turning the lock to the right and removing the key. When it comes time to unlock the unit, insert the key and turn all the way to the left, and then back to the upright position.

Hooking Up the Fresh Water Connection

To connect the fresh water to the unit, connect a garden hose to a pressurised fresh water supply, and to the fresh water connection coming out of the top rear of the unit.

Hooking Up the Waste Water Connection

The waste water drains through the 2" PVC pipe coming out of the rear of the unit. We recommend the use of a Fernco 2" rubber coupler to connect to a pipe that will carry the waste water away from the shower unit. The waste water storage must be lower than the unit, otherwise the waste water will back up into the unit.

CLEANING AND MAINTENANCE

- Use a mild soap to clean all surfaces and component parts.
- The mirror is acrylic, do not use solvent based cleaners, use only a mild liquid soap. To maintain a gloss, use a flannel cloth with a good plastic cleaner or polish (*such as "Johnson's Pledge"*).
- Minor scratches and abrasions can be lightly sanded or scrubbed with a mild abrasive cleaner (*such as "Soft Scrub"*) that contains calcium carbonate, hypochlorate bleach and detergents. Be sure to follow the cleaning product directions since these ingredients may cause hazardous gases when mixed with other chemicals. Rinse the cleaned area and buff with a conventional wax.
- Some light scratches may also be hidden by using an industrial hot air gun.
- To keep the interior smelling fresh, spray the interior with a deodorant spray.

For a source of cleaning, deodorizing and paper products contact:

**TerraBound Solution Inc.
20020 Hickory Twig Way
Spring, TX 77388
TOLL FREE: 1-877-857-2915
www.terraboundsolutions.com**

We highly recommend membership in the Portable Sanitation Association International (PSAI); the worldwide authority on portable sanitation services. The PSAI, "Portable Sanitation Industry Certification Program" manual contains a wealth of information on standards and service procedures. For more information contact the PSAI:

**PORTABLE SANITATION ASSOCIATION INTERNATIONAL (PSAI)
7800 METRO PARKWAY, SUITE 104
BLOOMINGTON, MINNESOTA 55425 USA
800-822-3020 / 612-854-8300 FAX 612-854-7560
www.psa.org**