

# VacuFlush® 4806 Toilet INSTALLATION GUIDE

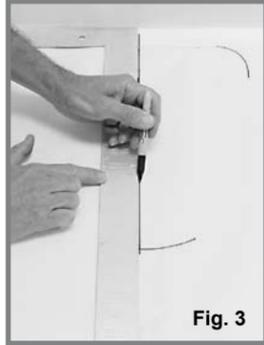
## Toilet Requirements:

- 2 GPM (7.6 lpm) or larger water pump.
- 1/2-inch (12.7 mm) water line terminating in 1/2-inch MPT fitting (to connect to toilet water supply hose).
- 12 VDC or 24 VDC through 2-amp fuse or circuit breaker. Use 18-gauge stranded copper wire.

STEP 1: Carefully unpack toilet and place it in the position intended. Center the toilet in the selected position and assure that adequate clearance is available for opening the seat and lid. Check the front and sides of the toilet to insure that it will set flat against the floor. Determine the best location for the flush switch panel (see Step xx). It is recommended that it be close to the toilet but not hidden by the toilet lid in the "up" position. Avoid a location susceptible to direct water spray.

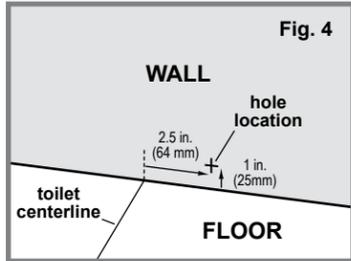
STEP 2: Mark the floor at the rear corners and the front center of the ceramic bowl. Remove the ceramic bowl and set aside (figs. 1, 2).

STEP 3: Measure the distance between the rear corner marks on the floor and divide by 2 to find the centerline. Using a carpenter's square, draw a centerline on the floor that intersects the mark for the front center of the bowl (fig. 3).



STEP 4: Choose an inlet configuration for the electrical wiring and water line hole location: (a) through the rear wall, or (b) through the floor.

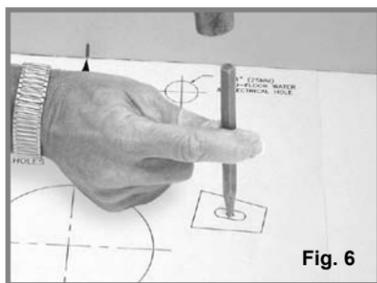
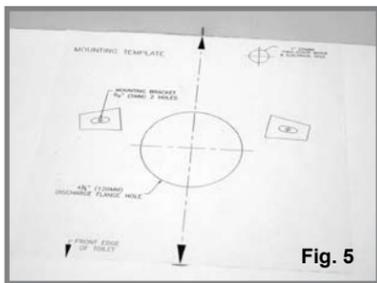
STEP 5: For electrical wiring and water line **through the rear wall**, measure up 1 inch (25mm) and 2.5 inches (64mm) to the right of the centerline (fig. 4). Mark the hole location.



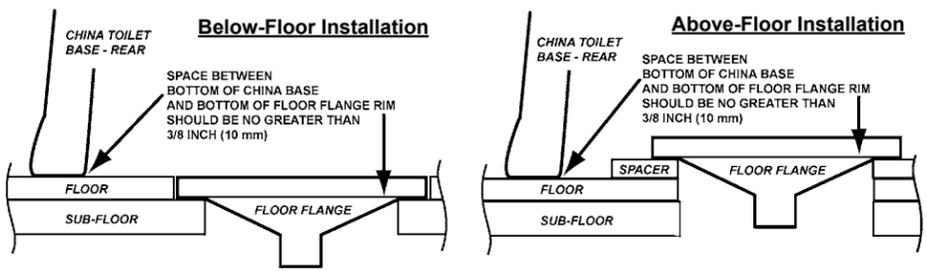
This location is for the water and electrical supply line hole in through-the-wall installations.

STEP 6: Align the 4806 toilet mounting template along the centerline mark with the front edge of the template flush with the mark for the front edge of the toilet bowl (fig. 5). Tape the template to the floor.

STEP 7: Using a center punch, mark the center locations for the discharge flange hole, mounting bracket holes, the four corners of each mounting bracket, and the center of the water line/electrical wiring hole (if routing these through the floor) (fig. 6). Remove the template from the floor.

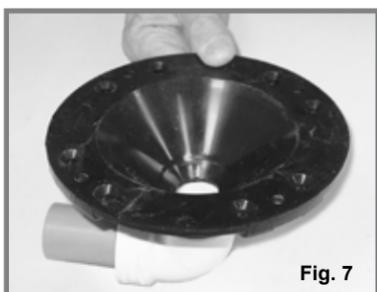


**IMPORTANT: The preferred floor flange installation method is to mount the flange directly on the finished floor. However, if the bottom of floor flange and bottom of ceramic toilet must be mounted at different heights, the floor flange must be mounted within 3/8-inch (10 mm) of the bottom of the toilet (see illustrations below) or leakage will result.**



STEP 8: Cut out the 4-3/4-inch (120mm) diameter discharge flange hole. Drill the two 3/16-inch (5mm) holes mounting bracket fastener holes. Where required (floor or wall), drill the 1-inch (25mm) diameter water line and electrical hole.

STEP 9: **VERTICAL DISCHARGE HOSE** – Using PVC primer and solvent cement, attach the hose adapter directly into the discharge flange outlet. Allow to cure before handling. **HORIZONTAL DISCHARGE HOSE** – Using PVC primer and solvent cement, attach the elbow directly to the discharge flange outlet. Then attach the hose adapter into the elbow (fig. 7). Allow to cure before handling.

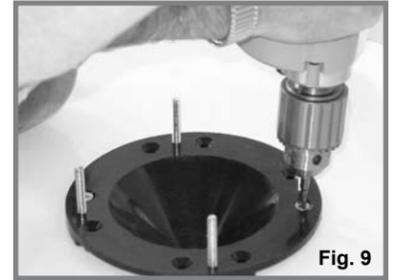


STEP 10: Insert the discharge flange into the hole with the elbow pointing in the direction of the discharge plumbing. Mark the floor through the eight countersunk mounting holes. Remove the flange and drill the eight pilot holes with an 11/64-inch (4mm) drill bit.

STEP 11: Route the vacuum hose from the vacuum generator or vacuum tank up through the discharge flange hole. Lubricate the inside of the hose with liquid dishwashing soap and install the hose onto the adapter. Secure the connection with two stainless steel hose clamps (fig. 8).

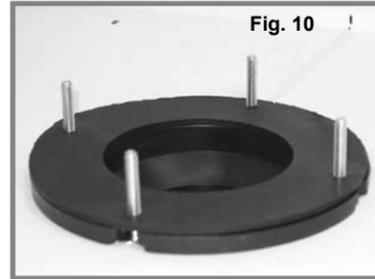
STEP 12: Insert four T-bolts into the discharge flange from the underside.

STEP 13: Insert the discharge flange and connected hose or pipe into the discharge hole and secure to the floor with the eight #12x1-1/2-inch flat head screws provided (fig. 9).



STEP 14: Install the flange gasket over the T-bolts (fig. 10).

STEP 15: Install floor flange adapter with words "THIS SIDE UP" facing up. Tighten adapter to floor flange using four flat washers and hex nuts. Tighten in criss-cross pattern (fig. 11).

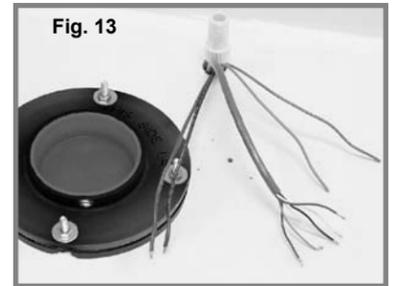
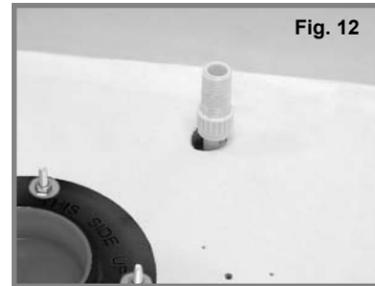


STEP 16: Route 1/2-inch (13mm) diameter water line from the fresh water source through the 1-inch (25mm) hole in the wall or floor and attach a 1/2 male NPT adapter (fig. 12). **Note:** A shut-off valve should be placed in the water line to the toilet for maintenance or repair.

STEP 17: There are several flush switch assembly options. Two types fit either VIMAR or GEWISS panels and housings. The switch assembly is shipped in a separate carton.

The GEWISS panel uses two switches ("Flush" and "Add Water" switches). The VIMAR panel uses one switch for both functions. Instructions are included with each flush switch assembly.

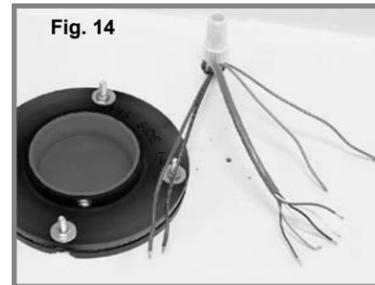
Install flush switch in desired location and route electrical cable through the 1-inch (25mm) hole. Leave 12-inches (305mm) of cable to connect to the toilet (fig. 13).



STEP 18: **WITH POWER OFF** route both positive (+) and negative (-) 18 gauge or larger stranded copper wires to the toilet from the DC distribution panel through a 2-amp fuse or circuit breaker. Leave at least 12 inches (305mm) of wire above the floor (fig. 14) or through the wall. See wiring diagrams.

STEP 19: Route the three 18 gauge wires to the toilet from the "Tank Full" relay (mounted on vacuum generator or TankWatch indicator panel) and the "Low" and "High" vacuum signals from the vacuum switch on the vacuum generator or vacuum tank. Leave at least 12 inches (305mm) of wire above the floor (fig. 14) or through the wall. See wiring diagrams.

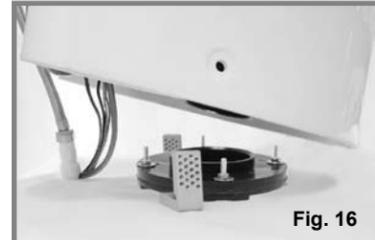
STEP 20: Secure the toilet mounting brackets to the floor using the #14 x 2 1/2-inch (65mm) hex washer head screws provided. Be sure to mount the brackets as shown on the template (fig. 15).



STEP 21: Set the toilet in front of the discharge adapter. Connect the flexible water hose to the 1/2-inch male NPT fitting on the inlet water line. Connect the flush switch cable to the toilet cable. Connect the "Tank Full", "Low Vacuum" and "High Vacuum" signal wires to the toilet wiring harness. Connect the toilet electrical power input wires. See wiring diagrams for additional information.

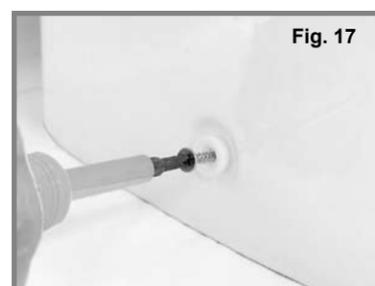
**IMPORTANT – DO NOT ATTEMPT TO SLIDE THE TOILET OVER THE DISCHARGE ADAPTER. THE TOILET MUST BE SET DOWN INTO THE ADAPTER TO PREVENT POSSIBLE DAMAGE.**

STEP 22: Lubricate the O-ring around the bottom of the toilet base with liquid soap or silicone spray or grease. Pick up the toilet and insert plastic base assembly into discharge adapter. Make sure mounting brackets on floor do not interfere with bottom of ceramic toilet (fig. 16). If the mounting brackets interfere, loosen mounting screws and adjust bracket location accordingly.



STEP 23: Insert the two plastic flange bushings into the toilet mounting holes and secure the toilet to the mounting brackets with the two flat head wood screws provided (fig. 17).

STEP 24: Press the decorative screw covers over the flange bushings (fig. 18).



SEE REVERSE SIDE FOR WALL SWITCH INSTALLATION AND TOILET SYSTEM WIRING DIAGRAM.

# VacuFlush® 4800 Toilet Series WALL SWITCH INSTALLATION

VacuFlush 4800 series toilets feature a wall flush switch to control the “Flush” and “Add Water” functions. Follow the instructions below for standard SeaLand wall switch installation.

**STEP 1:** Select a location for the flush switch and optional vacuum status panel (if status panel is being installed). Eight feet of cable (2.4 m) is provided to reach the toilet base. You may need to supply more wire, depending on how far you locate the flush switch from the toilet.

**STEP 2:** Cut an opening 1-1/4” wide x 1-5/8” high (see 4800 Series Wall Switch Template). If installing the optional vacuum status panel, cut another opening of the same size close enough to switch opening so that the wires can be connected.

**STEP 3:** If installing the flush switch (and optional status panel) in a shallow wall, you may need to use the spacer between the wall and the switch assembly cover to allow space for the wire connectors. If so, route the cable through the spacer before proceeding to the next step.

**STEP 4:** If installing optional vacuum status panel, make wiring connections from status panel to flush switch by connecting the green and red wires (see Wall Flush Switch Diagram), as well as the black wire from status panel to the black wire of flush switch (see System Wiring Diagram below). If spacers are used, route status panel wires through spacers.

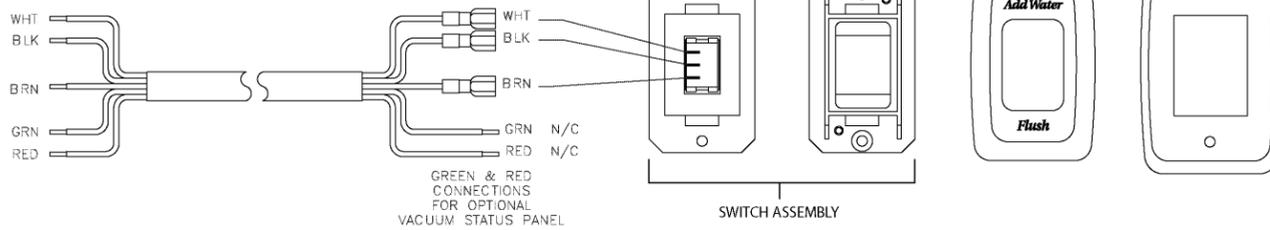
**STEP 4:** Route the five-conductor cable through wall cut-out and on to toilet. Cable can be routed with water supply line and power wires. Allow a minimum of 12 inches (305 mm) of cable at toilet for easy wiring.

**STEP 5:** Fasten the switch assembly (and spacer if required) to the wall with the #6x1” screws (included). Make sure to install with the label “THIS SIDE UP” on top – otherwise, the “Flush” and “Add Water” functions will be reversed. If installing optional status panel, fasten it to wall with black fasteners provided.

**STEP 6:** Snap cover onto switch assembly to complete switch installation on wall.

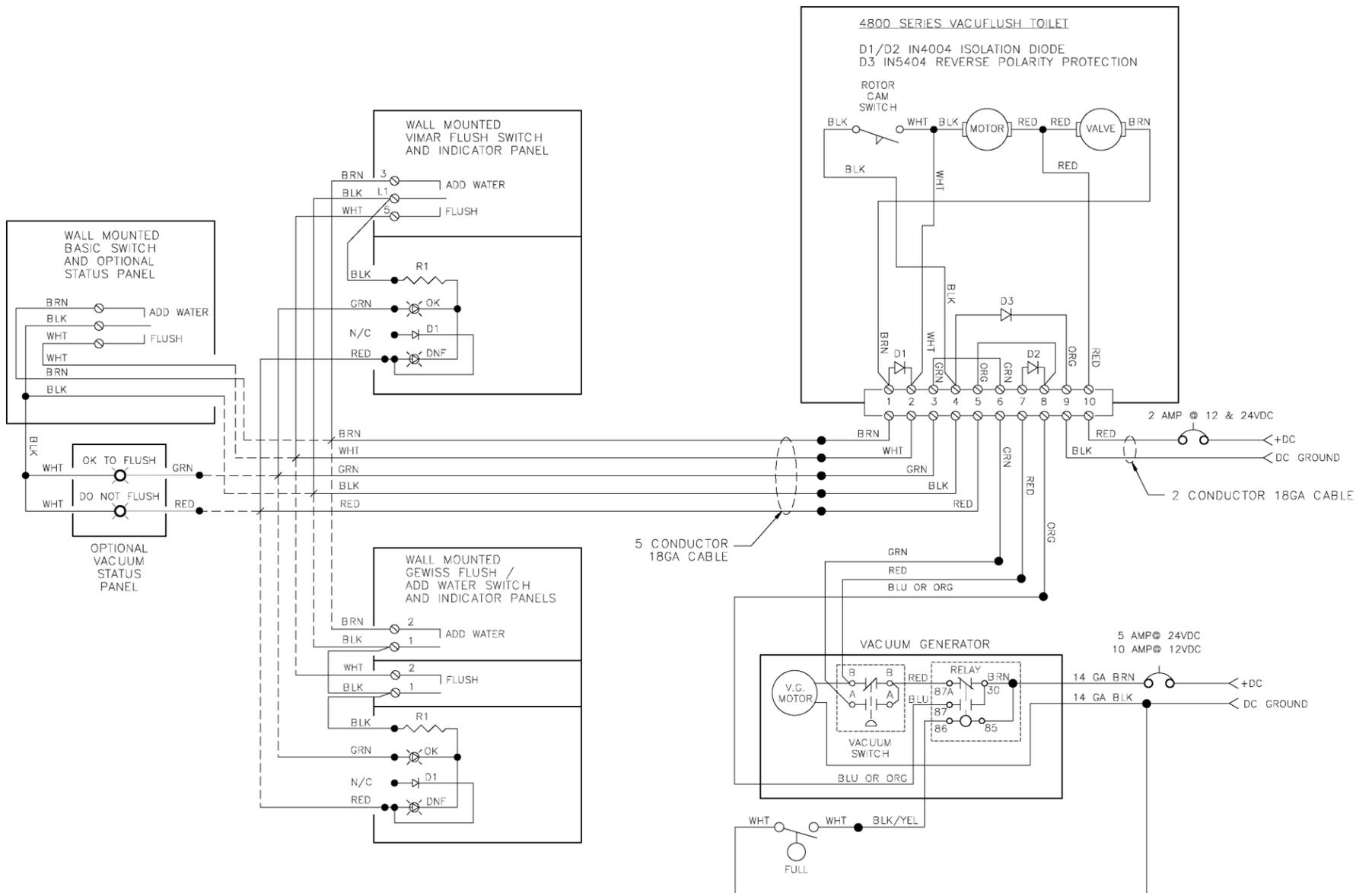
**STEP 7: WITH THE ELECTRICAL POWER OFF,** connect the wires from the flush switch (and optional status panel) to the five-conductor cable at the toilet.

## WALL FLUSH SWITCH DIAGRAM



To install other popular marine wall switches (Vimar, Gewiss), follow the instructions supplied by the switch manufacturer and the wiring diagram below.

## VacuFlush® 4800 Toilet Series SYSTEM WIRING DIAGRAM



**Dometic Sanitation Corporation**  
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 Big Prairie, OH 44611-0038 USA  
 SeaLand Product Hotline 1-800-321-9886  
 (8:00 a.m. - 5:00 p.m. ET)

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BACK OF 4806 FLOOR MOUNTING TEMPLATE

# 4806 MOUNTING TEMPLATE

TOWARD WALL

OPTIONAL  
1" (25MM)  
THRU-FLOOR WATER  
& ELECTRICAL HOLE

MARK ALL FOUR  
CORNERS WITH  
CENTER PUNCH

MOUNTING BRACKET  
3/16" (5mm)  
2 HOLES

MOUNTING BRACKET  
OUTLINE

4 3/4" (120mm)  
DISCHARGE  
FLANGE HOLE

FRONT EDGE  
OF TOILET

Cut along dotted line. Place this edge even with mark at front of toilet.

## 4800 Toilet Series Basic Wall Switch Template

