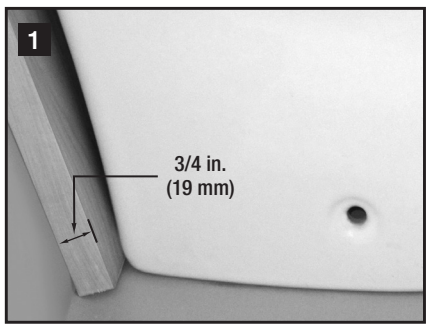
VACUFLUSH® 4848 TOILET INSTALLATION GUIDE

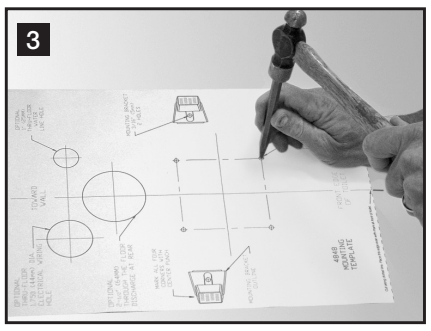
Toilet installation specifications

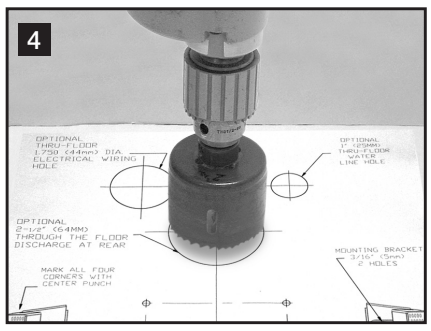
Electrical	Amp draw (average)	2 amps at 12 V DC; 1 amp at 24 V DC
	Fuse	2-amp internal fuse (resettable) *
Water Supply	Fitting	0.5 in. NPT
	Flow rate	2.0 gpm/7.6 lpm minimum required at toilet
Discharge	Size	1.5 in./38 mm ID PVC pipe or sanitation hose
	Horizontal run	50 ft./15 m maximum to vacuum source
	Vertical run	6 ft./1.8 m maximum to vacuum source
Required components	Electric flush switch	Dometic VFS or VFP switch (purchased separately)
	Vacuum source	VacuFlush vacuum generator or VacuFlush holding tank system (purchased separately)

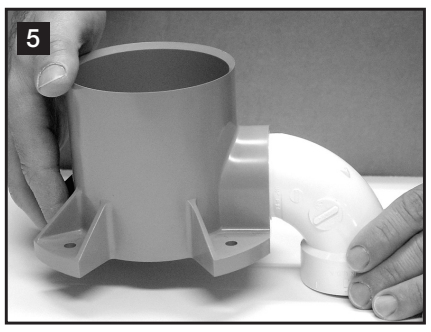
* Circuit board fuse resets by turning toilet's electrical power off, then back on.

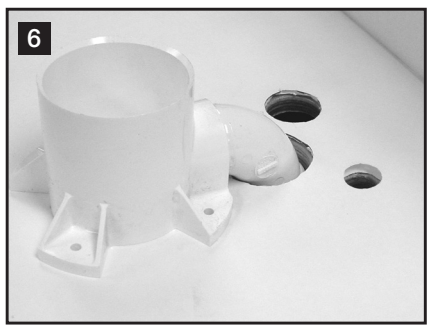
Specifications subject to change without notice.

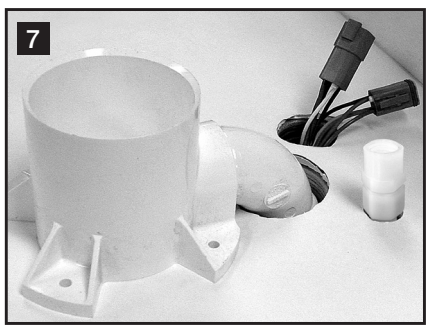


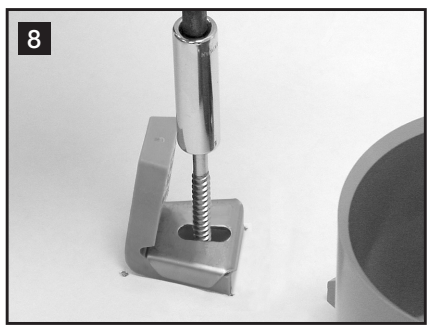


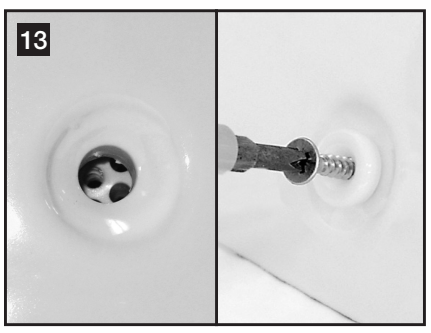






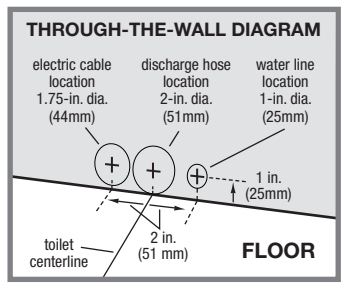






1. Carefully unpack toilet and place it in the approximate position intended. Assure that adequate clearance is available for opening the seat and lid. Check the front and sides of the toilet to insure that it will set flat against the floor.
2. Insert 0.75-in. (19 mm) spacer between toilet and wall, and reposition toilet against spacer (fig. 1), making sure back of toilet is parallel to back wall.
3. Mark floor at the bottom front of toilet (fig. 2). Remove toilet and spacer, then place floor mounting template where toilet was originally positioned, aligning front edge of template with mark on floor representing front edge of toilet.

Note
Choose an inlet configuration for the electrical wiring and water lines - through the rear wall or through the floor. Refer to the Through-the-Wall Diagram (shown at right) to plan access holes if that is the intended application.



4. Mark all hole centers through template (fig. 3). Also mark the locations of the corners of the toilet mounting brackets.
5. Remove template from floor. Drill all access and fastener holes as indicated on template (fig. 4). If electrical wires and water supply are being routed through the wall, be sure to drill those holes through the wall.
6. Determine the best location for the flush switch panel. It is recommended that the flush switch be near the toilet but not hidden by the toilet lid in the "up" position. Avoid a location susceptible to direct water spray. Cable provided with flush switch must reach from switch location to connection in toilet base. Follow instructions provided with flush switch to create access hole in wall.
7. Using PVC primer and solvent cement, solvent weld the desired outlet fittings to the discharge adapter (fig. 5). Allow to cure before handling.
8. Mount discharge adapter to the floor (fig. 6) with screws and flat washers provided. Complete the plumbing to vacuum tank or vacuum generator. Use 1.5-inch OdorSafe Plus flexible sanitation hose or 1½-inch PVC schedule 40 pipe.
9. Route 0.5-inch (13 mm) diameter water line from the fresh water source through the 1-inch (25 mm) hole in the wall or floor and attach a 0.5-inch NPT fitting (fig. 7).

Note
An accessible shut-off valve should be placed in the water line to the toilet for maintenance or repair.

10. **WITH ELECTRICAL POWER OFF,** route electrical cables/wiring from vacuum generator and power source through wiring access hole (fig. 7). (Refer to wiring diagram on separate toilet model's parts list. If wiring connector shown here is not being used, refer to wiring diagram to make proper connections).
11. Install flush switch according to its instructions and route electrical cable through the wiring access hole at the toilet (fig. 7). Leave enough cable to connect to toilet. The cable supplied with the VacuFlush switch should have ethernet cable connectors (not shown here).
12. Secure the toilet mounting brackets to the floor using the #14 x 2.5-inch (65 mm) hex washer head screws provided (fig. 8). Be sure to mount the brackets as shown on the template.

Note
Do not completely tighten hex-head screws to floor – allow brackets to slightly slide. Brackets will tighten when fastening toilet to brackets.

13. Set the toilet in front of the discharge adapter. Connect the flexible water hose to the 1/2-inch NPT fitting on the inlet water line. Connect the cable/wiring from vacuum generator and power source to the toilet's vacuum generator-power source cables/wiring (fig. 9). Connect the cable from the flush switch to the circuit board located in the toilet's base (fig. 10).

Caution!
DO NOT ATTEMPT TO SLIDE TOILET OVER THE FLANGE ADAPTER. THE TOILET MUST BE SET DOWN INTO THE DISCHARGE ADAPTER TO PREVENT POSSIBLE DAMAGE.

14. Lubricate the O-ring around the bottom of the toilet base with silicone grease. Pick up the toilet and insert plastic toilet base assembly into discharge adapter (fig. 11). Make sure mounting brackets on floor do not interfere with bottom of ceramic toilet, and that toilet sits flat on floor (fig. 12). If the mounting brackets interfere, adjust bracket position accordingly.
15. Making sure that toilet mounting holes align with brackets, 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. 13). Be sure to drive fasteners into mounting brackets at a downward angle.
16. Press the decorative screw covers over the flange bushings (fig. 14).
17. Turn on electrical and water supplies, and test toilet for proper operation..

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SEALAND

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OPTIONAL
THRU-FLOOR
1.750 (44mm) DIA.
ELECTRICAL WIRING
HOLE

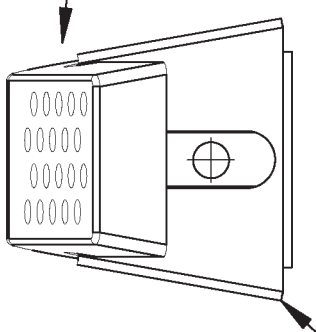
TOWARD
WALL

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

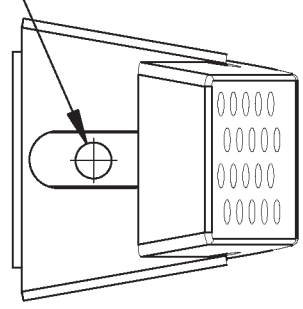
OPTIONAL
2-1/2" (64MM)
THROUGH THE FLOOR
DISCHARGE AT REAR

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

MARK ALL FOUR
CORNERS WITH
CENTER PUNCH



MOUNTING BRACKET
OUTLINE



FOUR 3/16" (5mm)
HOLES FOR
DISCHARGE CUP

4848
MOUNTING
TEMPLATE

FRONT EDGE
OF TOILET

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