ELECTRIC TOILET BASE KIT

FEATURES
- High Capacity Macerator and Bowl Scavenger Pump
- Flexible Impeller Flush Pump
- Permanent Magnet Type Motor, Fully Enclosed, with Stainless Steel Shaft
- Complies with USCG 183.410 and ISO 8846 MARINE for Ignition Protection
- Simple Push Button Switch included
- All Corrosion Resistant Materials for Marine Use

SPECIFICATIONS
- 5/8” or 3/4” Inlet, 1” Outlet Back Flow Check Valve in Discharge
- 1” x 1-1/2” Hose Adaptor included to adapt to 1-1/2” waste plumbing.
- Thru Flow Approx. 1-1/2 Qts. per 5 Seconds of Operation

VARIATIONS
MODEL NO. DESCRIPTION
37010-0092* Toilet Conversion, 12 Volt EMC
37010-0097* Toilet Conversion, 24 Volt EMC
*This model is CE Marked and complies with EN50081-1 for suppression of electro-magnetic interference.

APPLICATION
The Jabsco electric toilet may be installed above or below the waterline. Flush pump is self-priming with a vertical lift up to 4 feet; discharge macerator pump can operate against a vertical head up to 4 feet. The 37010 series can be used to convert the Raritan PH or Compact, Wilcox-Crittenden “Head Mate”, Groco HC, Brydon No. 9127, 9128, or No. 59128 and virtually any other model marine toilet using the “standard” bowl configuration with a 3-3/4” diameter bolt circle, 4 hole pattern in the base. Check the dimensional drawing to be sure the bowl will fit the flange dimensions as shown.

The 37010 series includes the complete motorized base assembly, bowl gasket, four bolts and washers for bowl, two 5/8” to 3/4” pump port adaptors, 3/4” white hose, 1” to 1-1/2” discharge port adaptor, and momentary control switch.

ASSEMBLY
1. Overall height after conversion may increase up to 1” on some models, check to be sure adequate space is available if located under seats or bunks.
2. Screw 6mm machine screws with starlock washer under each head into nuts positioned in the hex recess on the top of the base to form bowl attachment studs (see exploded view).
3. Remove complete manual base assembly and mount bowl on Jabsco motorized base. NOTE: M6 x 50mm long machine screws supplied are suitable for most bowls; however some bowl flanges are heavier and longer machine screws must be used. Place plastic washers against bowl flange, positioning base for most convenient hose connection arrangement.
4. Connect pump outlet to rear bowl connection with 3/4” hose. Install the hose clamp on the pump discharge port only.
5. Position complete toilet assembly and fasten securely on flat surface. Be sure not to warp toilet base when tightening toilet base down.
6. Connect existing inlet hose to pump inlet port. A 5/8” to 3/4” sleeve adaptor is included for fitting to commonly used 3/4” inlet hose size. Make sure all connections are airtight and free of sharp bends or restrictions.
7. Connect 1” discharge hose to discharge port (1-1/2” hose when using 1-1/2” discharge adaptor) and make suitable connection to holding tank or other discharge system. Avoid sharp bends or restrictions.
8. For installation below the waterline, install a vented loop in the intake hose and position about 8” above the waterline at all angles of heel or trim. **A vented loop should also be used for discharge if connected to a thru-hull fitting.
9. For installations above water line, make a loop in discharge line about 8 inches above base of bowl to retain water in bowl. Some installations may need a
check valve in the intake line to aid primeability of flush water pump.

10. If thru-hull seacocks cannot be conveniently operated from toilet location, install suitable shut-off valves for inlet and discharge connections.

** In some installations when a vented loop is installed in the intake hose, the flushing pump primeability and flow characteristics are reduced and may adversely affect toilet function. To restore pump performance, connect a solenoid valve (Jabsco No. 37068-0000) to the vent air inlet to interrupt the air supply during the flush cycle. The brass port of the solenoid valve (remove plastic filter if attached) should be connected to the vent inlet with 3/16" hose and the solenoid wired in parallel with the toilet motor. See Diagram 1 for installation and wiring illustration.

** NOTICE: Correct motor polarity (orange to positive, black to negative) is important. Reverse polarity can damage motor and void warranty. Full voltage at the motor is required to properly operate Jabsco Electric Toilet. The toilet must be wired in a circuit independent of all other accessories.

** OPERATING INSTRUCTIONS

Make sure inlet and outlet seacocks are all open; push switch button to operate. Operate until bowl is completely flushed and discharge pump has scavenged water from bottom of bowl.

The Jabsco electric marine toilet will provide years of troublefree service if properly used. It will handle waste and toilet tissue. It will not handle rags, sanitary napkins or hard solid objects.

Clean toilet with mild non-abrasive cleaners without strong aromatics. Cleaners having high concentrations of aromatics, such as pine cleaners and strongly scented de-greasers, can cause the pump’s impeller to swell and possibly bind up.

If bowl does not pump out and begins to fill, partially close inlet valve until bowl is cleared and completely pumped out. Then operate for a few seconds with both valves open to clear entire toilet and discharge system. For maximum safety, when toilet is not in use or vessel is unattended, close both the inlet and discharge seacocks.

To drain for winter layup, close inlet valve and operate for a few seconds until all water is pumped out.

** DISASSEMBLY

Disconnect pump inlet and discharge hoses. Remove four screws, Key No. 23, pull out complete motor, pump and macerator assembly. Remove macerator housing from base. Remove discharge port, Key No. 9, and inspect joker valve. Unscrew chopper plate lock nut, Key No. 12, by

** WARNING: Flood hazard. Close inlet and outlet seacocks prior to disassembling toilet. Failure to do so can result in flooding which can cause loss of property and life.

** ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>AMP DRAW</th>
<th>FUSE SIZE 0'-10' (0 M-3 M)</th>
<th>10'-15' (3 M-4.6 M)</th>
<th>15'-25' (4.6 M-7.6 M)</th>
<th>25'-40' (7.6 M-12.2 M)</th>
<th>40'-60' (12.2 M-18.3 M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Vdc</td>
<td>16</td>
<td>#12 (4 mm²)</td>
<td>#10 (6 mm²)</td>
<td>#10 (6 mm²)</td>
<td>#8 (10 mm²)</td>
<td>#6 (16 mm²)</td>
</tr>
<tr>
<td>24 Vdc</td>
<td>8</td>
<td>#16 (1.5 mm²)</td>
<td>#14 (2.5 mm²)</td>
<td>#12 (4 mm²)</td>
<td>#10 (6 mm²)</td>
<td>#10 (6 mm²)</td>
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* Length of run is total distance from power source to product and back to ground.
turning counterclockwise, facing plate and remove chopper. Prevent shaft from turning by inserting a screwdriver in slot of shaft protruding from rear of motor. Loosen centrifugal impeller set screw and slide impeller off motor shaft.

Remove four flathead screws, Keys No. 17 & 18, wearplate, Key No. 21, shaft sealing sleeve, Key No. 20, gasket, Key No. 24; then slide pump assembly off motor shaft. Replace all worn or damaged parts, clean remaining parts.
REASSEMBLY INSTRUCTIONS

Press seal into body with lip facing impeller; be careful not to cock seal in bore. Install pump body on motor and position on register; lubricate impeller bore with pump grease. Install impeller, gasket and wearplate. Make sure gasket surfaces are clean and smooth. Tighten wearplate screws. Slide shaft sealing sleeve onto shaft and seat in its bore in wearplate. Relocate centrifugal impeller about 1/8” from wearplate and secure with set screw. Position macerator housing around centrifugal impeller then put chopper plate on end of shaft and secure with lock nut. Install O-ring in O-ring groove in wearplate surface (a little grease will help hold in place). Aligning key on top of macerator housing with slot in base, slide macerator assembly into base. Secure pump assembly with the four screws.