

THETFORD Consumer Convenience Products

AQUA-KEM® Concentrated Holding Tank Deodorant

- Starts working instantly • Controls odors • Fresh pleasant scent • Compatible with all sanitation systems • Biodegradable • Septic tank safe • Child resistant cap • Helps keep holding tanks clean and fresh • 8 oz. and 32 oz. bottles

AQUA-KEM® TOSS-INS® Holding Tank Deodorant in Water-Soluble Packs

- Packaged in convenient pre-measured water-soluble packs • Goes to work instantly • Fresh pleasant scent • Specially formulated for RV and Marine holding tanks and all portable toilets • Biodegradable • Septic tank safe • 8 per can or 4 per Zip-Loc® Pouch

DRI-KEM® Dry Holding Tank Deodorant

- Non-dusting granules • Packaged in 2 oz. watertight foil packs • Goes to work instantly • Controls odors • Helps keep holding tanks clean and fresh • Biodegradable • Septic tank safe

AQUA ZYME® Enzymatic Waste Treatment Liquid

- Non-toxic, environmentally safe. Works naturally to break down holding tank waste. Totally safe for fresh water flush toilets, septic tanks and other waste treatment systems. Dissolves fats and oils in drain traps • Fresh outdoor fragrance • Biodegradable • 32 oz. bottle with calibrated indicator stripe

AQUA BOWL® Toilet Bowl Cleaner

- Non-abrasive, soft scour cleaner • Cleans and freshens portable and permanent toilet bowls without scrubbing • Freshens and cleans portable holding tanks for reuse and storage • Harmless to plastic and mechanical parts and seals • Works effectively on porcelain bowls for in-home use • 32 oz. bottles

AQUA K-7® Hard Surface Cleaner

- Highly effective, all purpose cleaner • Cleans many surfaces: plastic, vinyl, painted wood, metal, fiberglass, Formica® and more • Non aerosol pump spray • A handy cleaner for use in boats, campers and RV's — highly effective on greasy dirt • Ideal for cleaning kitchens, appliances, cabinets and many household items • 16 oz. bottles

AQUA SOFT® Rapid Dissolving Toilet Tissue

- Soft, snowy white tissue • Flushes easily from toilet bowl • Short fiber content assures rapid disintegration • Helps prevent messy clogs • Recommended for portable and permanent sanitation systems • 4 rolls per package



Electra Magic® RECIRCULATING TOILET By THETFORD

Thetford Electra Magic®: whisper-quiet. With Electra Magic, Thetford has revolutionized the recirculating toilet. You get all the space and watersaving advantages of recirculation...with none of the disadvantages.

Thetford's Electra Magic Recirculating Toilet System is a 100% self-contained sanitation system which requires no pressure water connection or holding tank installation (an optional holding tank may be installed to increase total capacity). The Electra Magic is operated by a simple D.C. hookup, available in a 12 Volt or a 24 Volt Model.

Thetford's unique dual filtration system puts an end to unpleasant clogging. The exclusive filter cone assures that only filtered fluid is delivered to the recirculating pump.

On the front of the Electra magic is the Prismagic Level Indicator (another Thetford exclusive) which shows at a glance the content level of the recirculating tank. It also shows you the correct charge level and exactly when to evacuate the toilet.

THETFORD CORPORATION

P.O. Box 1285,
Ann Arbor, Michigan 48106

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New
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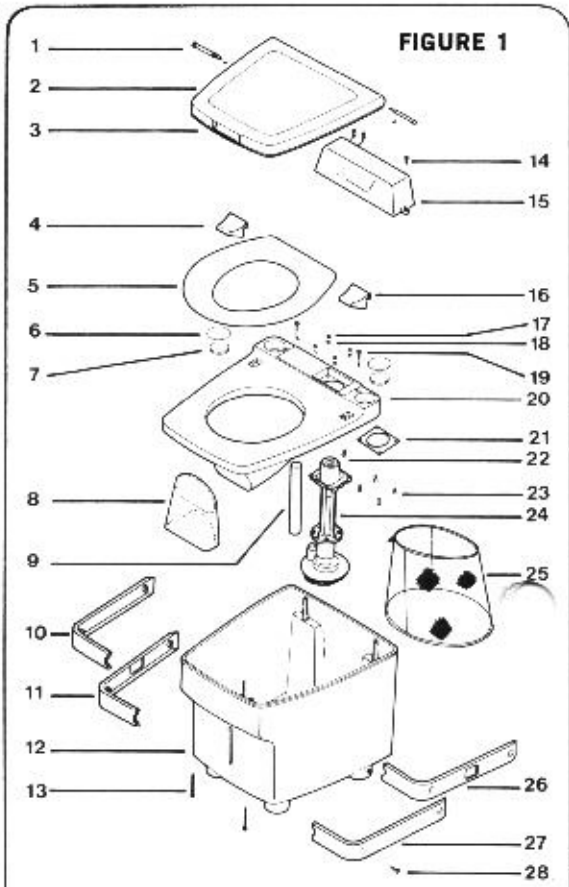


FIGURE 1

Key Part No. No.	Description	Key Part No. No.	Description
1	03921 Hinge Pin (2)	16	03905 Hinge—Right
2	03922 Retaining Ring (2)	17	03927 Nut (4)
3	03916 Seal Cover Assy.	18	03990 Lock Washer (4)
4	03953 Hinge—Left	19	03979 Screw—Rear (2)
5	03904 Seat and Bumper Assy.	20	03912 Cover and Bowl Assy.
6	03936 Cap (2)	21	03928 Gasket—Pump Mtg.
7	05656 Splash Guard (2)	22	03937 Screw—Hinge Mtg. (2)
8	03984 Vinyl Skirt Assy.	23	03925 Screw—Pump Mtg. (4)
9	03946 Inlet Tube	24	03960 Pump Assy. 12 Volt
10	12938 Base Molding Left Side	14083	Pump Assy. 24 Volt
11	12979 Base Molding Left Side w/Hole	25	05534 Filter Cone
12	12840 Main Housing Assy.	26	05048 Base Molding Right Side w/Hole
13	03943 Screw—Front (2)	27	05248 Base Molding Right Side
14	03923 Screw—Cover Mtg. (2)	28	03915 Screw—Molding Mtg. (2)
15	03924 Motor Cover Assy.		



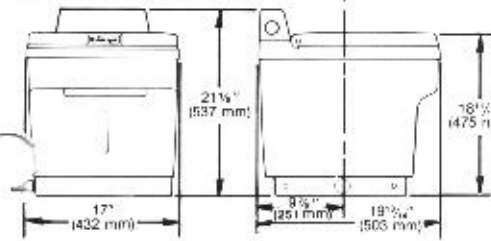
FIGURE 2 WITH VALVE

Models 03900 and 03920 are 12 Volt and 14095 is a 24 Volt Electra Magic. These Models include Slide-EZ Valve* for direct termination to holding tank.

Key Part

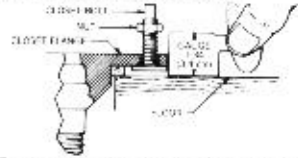
No.	Description
1	08536 Mtg. Bracket (2)
2	03911 Handle
3	03913 Retaining Ring
4	08757 Screw (4)
5	12836 Slide-EZ Valve
6	02" 25 Flange Seal
7	02890 Nut (2)
8	12525 Closet Bolt (2)

Dimensions

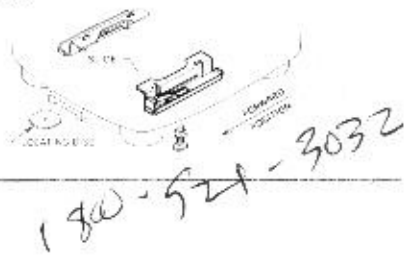


Installation

1. Install the two closet bolts in closet flange.
2. While holding bolt up so that head touches und side of closet flange, install one nut on each bolt a screw nuts down until they touch top of gauge gauge is misplaced, bottom surface of nuts shol be .34 in. (3.4 cm) above floor.



3. Turn Electra Magic upside-down and install clos flange seal on Slide-EZ-Valve with flat side again toilet.
4. Make sure white fork-shaped slides are in fore position.



- Place unit on closet flange and locate position for plastic locator disc by tracing around one of the front legs. Drill 5/32 dia. hole in floor and fasten disc to floor with flat sides oriented as shown. Use #10 screw provided. **Important. This disc prevents toilet from moving on floor.**
- Lower Electra Magic onto closet flange until nuts on closet bolts go through rectangular holes in metal brackets, seal rests on closet flange, and leg locates over locating disc.
- Insert a screwdriver or other long rigid instrument under toilet and with a sharp blow drive each slide back until it slides under nut and snaps into position.



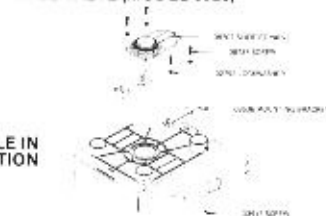
- If slides cannot be driven by one or two blows, remove toilet and adjust each nut one-half turn upward and repeat procedure from Step 4.
- If the toilet wobbles excessively, remove slides by catching tabs with a hooked instrument and pulling forward, as shown below. Lift toilet off, adjust each nut one-half turn downward and repeat procedure from step 4.



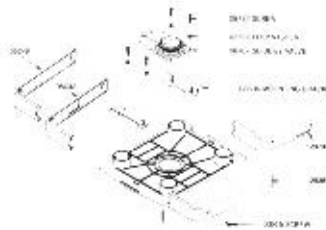
- The unit should now be firmly anchored to the floor.

MULTIPLE POSITIONS USING EXTENSION HANDLE VALVE (MODEL 3920)

HANDLE IN REAR POSITION



HANDLE IN SIDE POSITION



Accessories



REFILL PACKAGE 03947

Allows direct freshwater line hookup for recharging Electra Magic.

Holding Tank Hints

What about when you are hooked-up to a sewer line?

At a hookup to sewer line at campgrounds, leave the vehicle termination valve on the blackwater (toilet waste) holding tank *closed* until the tank is at least $\frac{3}{4}$ full. This allows sufficient water to build up in the tank to insure complete flushing of waste material into the outside sewer line.

Unlike the toilet at home which uses between 4-7 gallons (15.2-26.6 liters) of water per flush, the average RV toilet uses from 1 cup (8 oz./236.56 cc) to several quarts (liters) of water per flush, which is enough water to flush the waste from the toilet into the holding tank. If there is not sufficient water in the holding tank, waste materials may not evacuate properly when the termination valve is opened and clogging could eventually result.

To empty the blackwater holding tank, *open* the termination valve. When holding tank is empty, *rinse* with several gallons (liters) of fresh water. Be sure to *close* termination valve after emptying and rinsing out the holding tank.

How to control odors in the blackwater holding tank.

Be sure the vehicle termination valve is *closed*. Then add 8 oz. (236.56 cc) of Aqua Kem Concentrate, together with enough fresh water to cover the bottom of your empty holding tank. Variations in time periods, temperature or usage may require changes in concentration.

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To empty the blackwater holding tank, *open* the termination valve. When holding tank is empty, rinse with several gallons (liters) of fresh water. Be sure to *close* termination valve after emptying and rinsing out the holding tank.

How to control odors in the blackwater holding tank.

Be sure the vehicle termination valve is *closed*. Then add 8 oz. (236.56 cc) of Aqua Kem Concentrate, together with enough fresh water to cover the bottom of your empty holding tank. Variations in time periods, temperature or usage may require changes in concentration.

LIMITED ONE YEAR WARRANTY

Thetford Corporation warrants its products to the original owner for a period of one (1) year from the date of purchase. The warranty may provide for repair, exchange of parts or replacement of defective units as necessary, including labor, upon a condition that the necessary repairs, etc., are performed by Thetford Corporation. Units returned under this warranty will be inspected.

Damage which, in Thetford Corporation's judgement, occurred from mis-use, negligence, accident or any unreasonable use shall invalidate this warranty. In addition, where the product has been tampered with or altered in any manner or if the serial number or date of manufacture stamp has been effaced, altered or removed, this warranty is void.

Should an owner possess a unit believed to be defective, the owner must insure that the unit or easily removable part is returned to the place of purchase or Thetford Corporation for inspection. Thetford Corporation will determine whether or not the warranty claim is valid. If Thetford Corporation finds the unit or part to be defective, and is a proper warranty claim, repairs will be made free of charge and the unit or part will be returned prepaid to the owner. Your Thetford unit may be returned to Thetford Corporation, 800 Baker Road, Dexter, Michigan 48130. There is no other express warranty.

Implied warranties, including those of merchantability and fitness for particular purpose are limited to one (1) year from the date of purchase. All other implied warranties are excluded. This is an exclusive remedy. Liabilities for consequential damages and all other warranties are excluded. Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

DEALER'S NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

COLOR _____ DATE OF PURCHASE _____

TYPE OF USE:

MODEL _____ SIZE _____

MFG. _____

SIGNATURE _____

Operating Instructions

1. Initial Flush Charge

- Pour approximately three gallons (11.4 liters) of water in bowl (until water reaches the charge level (C) on indicator lens).
- Add **Aqua Kem[®] Concentrate**, **Dri-Kem[®]** or **Aqua Kem Toss Ins[™]** holding tank deodorant as per instructions on package.

2. To Flush

Depress flush button.
NOTE: Do not depress button when unit is empty.

3. To Evacuate

The Electra Magic Model is fitted with a termination valve on the bottom of the unit. Depending on the installation one of the following procedures should be followed:

- Without holding tank: attach discharge hose to outlet and open termination valve.
- With holding tank: open termination valve, this dumps contents of unit into the holding tank.

4. Evacuation Prior to Temporary Storage

- Completely evacuate unit as described above.
- Refill unit to bottom of bowl with fresh water.
- Add a cup (8 oz./236.56 cc) of Aqua Bowl[®] Cleaner.
- Cycle three times, by depressing flush button for 10 seconds each.
- Let stand a few minutes for cleaning action.
- Completely evacuate unit again.
- The unit is now ready for storage.

5. Winterizing

- For winter storage, evacuate unit as described in Step 4.
- For winter use, replace one half of the charge water with an approved plastic pipe anti-freeze.

Service and Parts

See warranty section for service information.

Refer to your local Thetford dealer for parts and service.

If it becomes necessary to send parts to a Thetford Certified Service Center for warranty consideration (c) to contact the factory, please include the following information:

- Your name and address.
- The product name, model, serial number, and color.
- The type of recreational vehicle or (Brand Name and year) on which the product is used.
- The reason for return.
- Proof of date of purchase.

Trouble-shooting

1. Symptom: Toilet wobbles.

Cause:

- Closet flange too high.
- Mounting surface uneven.

Cure:

- A. & B. Check closet flange height by laying straight edge across flange and measuring gap between straight edge and floor at four (4) leg locations. 1/4 to 7/16 inch (.62 to 1. cm) is recommended.

2. Symptom: Flushing action is weak or noisy.

Cause:

- Pump is running backwards (reversed wiring polarity).
- Cycling unit without enough charge water.
- Pump damaged by continuous dry operation.

Cure:

- The black wire is positive (hot) and the white wire is negative (ground).
- Charge to proper level (three gallons / 11. liters). Fill to charge level (c) on indicator lens.
- Replace pump assembly 03950 12 Volt or 1408 24 Volt (see fig. 1).

Please complete both sides, clip and mail to:

THETFORD CORPORATION
P.O. Box 1285 Ann Arbor, Michigan 48106

WARRANTY REGISTRATION CARD

ELECTRA MAGIC[®] by THETFORD

Yes I have tried Aqua-Kem Concentrate deodorant. No

Name _____

Address _____

City _____

State _____

Zip _____

Disassembly

1. Fuse Replacement

- Remove two (2) 03923 cover mounting screws and 03924 motor cover Assy. (Figure 1).
- The fuse is now readily accessible for checking or changing.

2. Switch Removal

- Disconnect lead wires from power source (Figure 1).
- Remove two (2) 03923 cover mounting screws and 03924 motor cover Assy. (Figure 1).
- Remove switch retaining nut and remove wires from switch terminals.

3. Pump Removal

- Complete steps 2A and 2B above.
- Completely evacuate unit.
- Remove cover and bowl assembly screws (two (2) 03979 in rear from top side and two (2) 03943 in front from bottom side) and remove 03912 cover and bowl assembly (Figure 1).
- Remove four (4) 03925 pump mounting screws (Figure 1).
- Disconnect 03946 flush tube from pump outlet (Figure 1).
- Remove pump assembly 03950 12 Volt or 14083 24 Volt (see fig. 1).

4. Slide-EZ Valve Removal

- Disconnect lead wires from power source (Figure 1).
- Completely evacuate unit.
Note: If you have a 03920 extension handle unit, cotter pin and extension handle must be removed at this point (Figure 2).
- Remove two (2) 03915 moulding mounting screws and remove two (2) base moldings (Figure 1).
- Remove slides by catching tabs with a hooked instrument and pulling forward.
- Lift Electra Magic from closet flange and invert unit.
- Remove four (4) 08737 screws and remove valve (Figure 2).

Electrical Hookup

Connect your 12 Volt or 24 Volt model Electra Magic directly to the appropriate D.C. Source as a separate circuit. Use minimum size #14 gauge wire. (Black wire to positive (hot), white to negative (ground)).

Important—Be sure polarity of power supply has been properly determined and correctly connected to lead wires before operating.

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