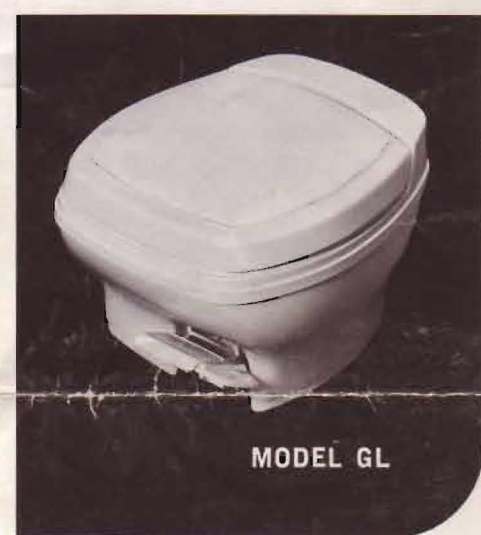




MODEL GH



MODEL GL

aqua magic®

OWNER'S MANUAL

- Specifications
- Installation
- Disassembly
- Operating Instructions
- Maintenance
- Winterizing
- Trouble-Shooting
- Service
- Warranty



PO Box 1285

Ann Arbor, Michigan 48106

aqua magic®

THE FINEST RECREATIONAL TOILET MADE

Features Thetford's Revolutionary New "Micro Rinse" Flushing Principle

- Fresh Water Rinse
- Proven gas-tight, odor-tight teflon impregnated sealing mechanism
- Modern Styling
- Padded Seat
- Code Approved
- Highest Quality Standards
- Buyer's Warranty
- Lightweight
- Durable High Impact Polyethylene
- Self Cleaning
- Freeze Proof

The Aqua Magic is a fresh water, permanently installed sanitation system. It uses the Micro Rinse flushing principle—which utilizes high velocity water injection, micrometrically measured to produce a "swirl effect" in the bowl, that literally scours the bowl with each flush.

With the Micro Rinse principle, the Aqua Magic is so efficient that it will give more

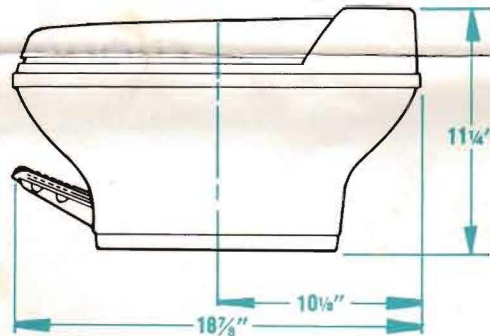
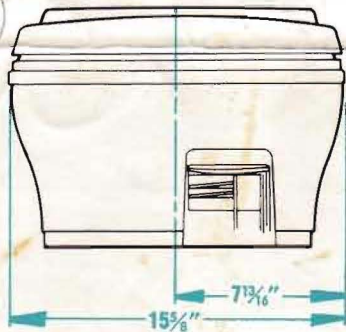
flushes per given holding tank capacity than any other toilet on the market.

A self cleaning, odor-tight, gas-tight, teflon seal closes off the holding tank when the unit is not in use. Since each and every flush uses fresh water, no mandatory chemical additives with their associated schedules are needed.

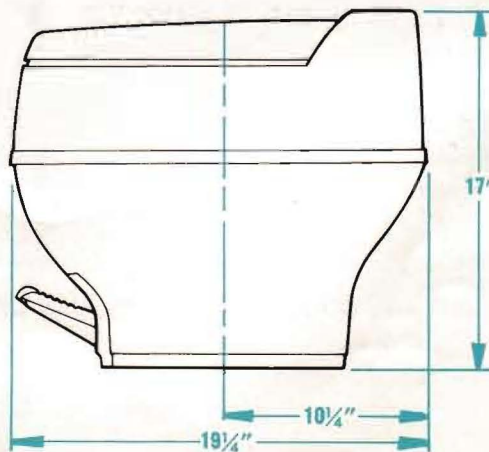
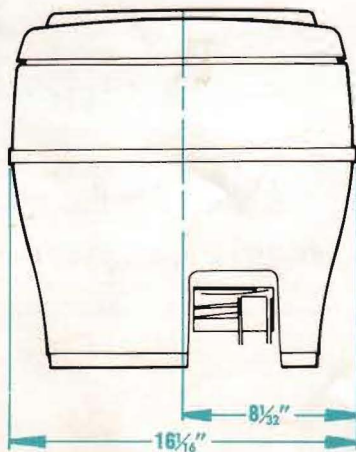
SPECIFICATIONS

Material: Polyethylene

HALL
Model GL



Model GH



MODEL GL

HALL

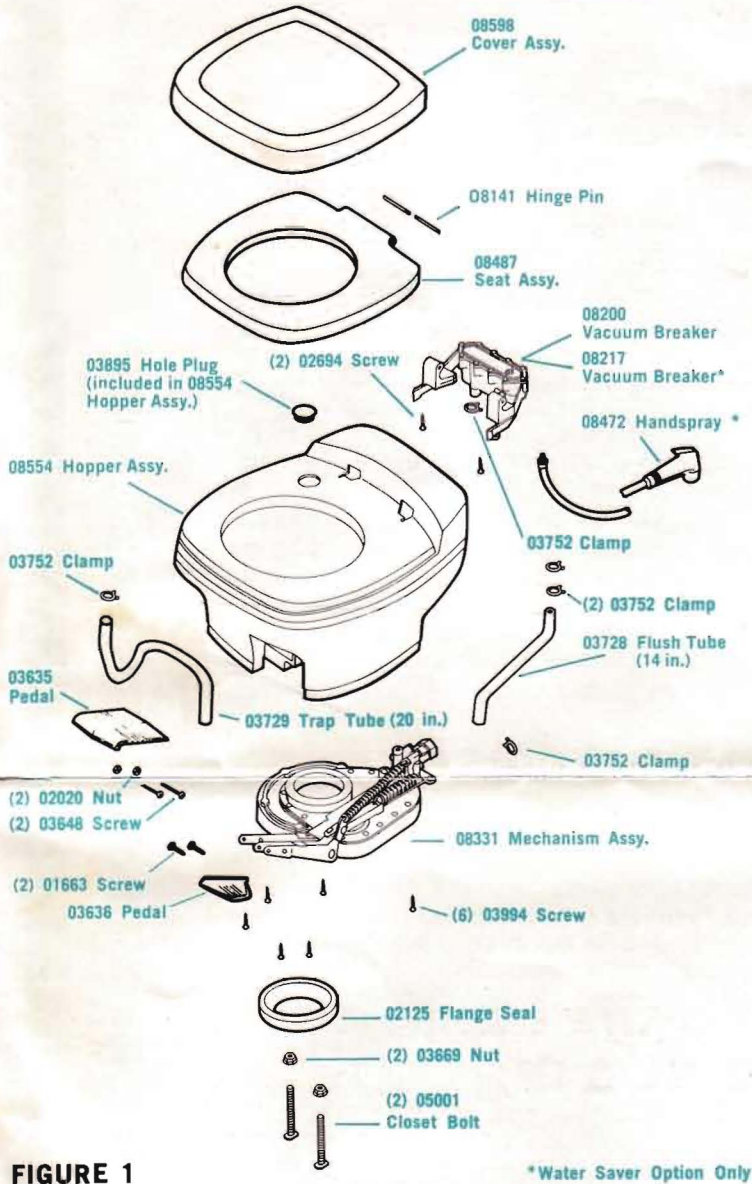


FIGURE 1

MODEL GH

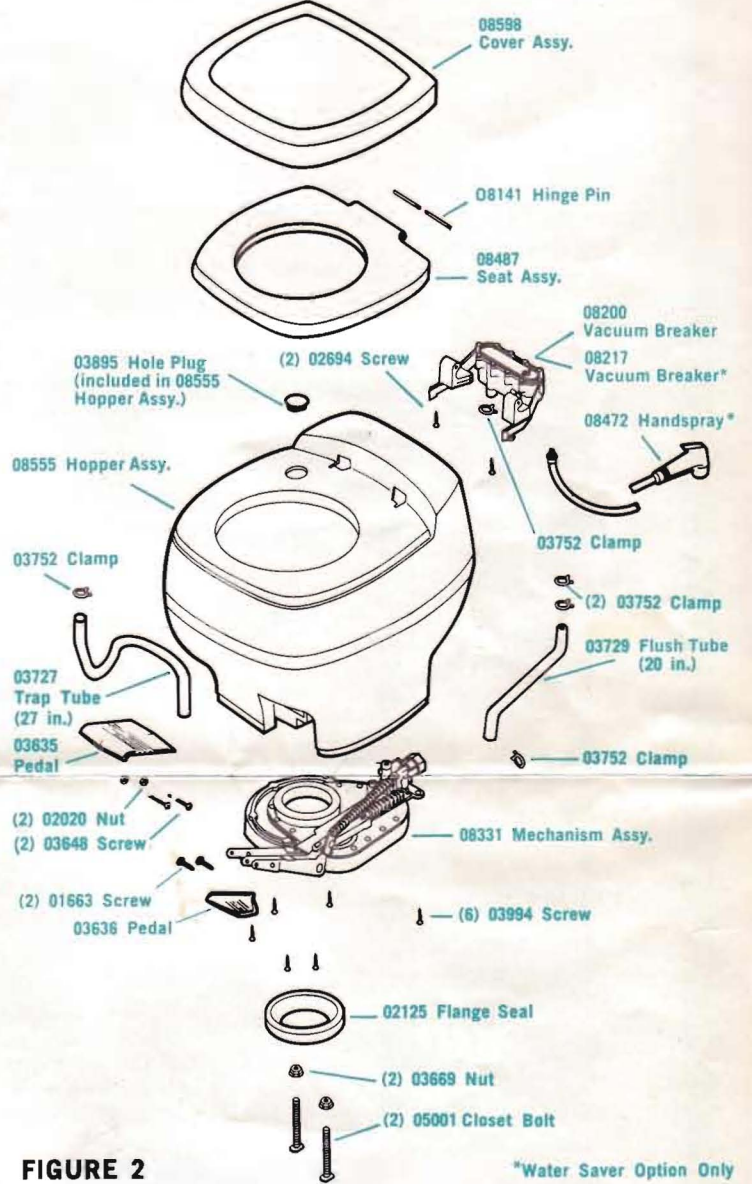


FIGURE 2

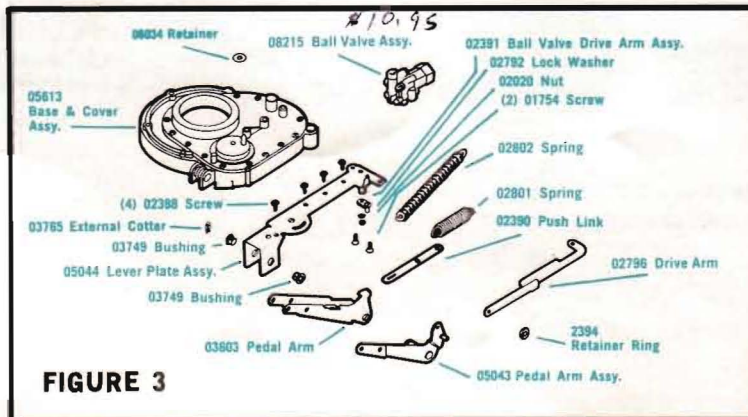


FIGURE 3

INSTALLATION

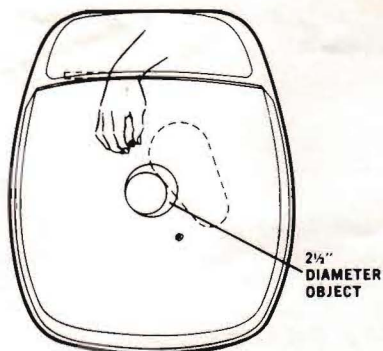


FIGURE 4

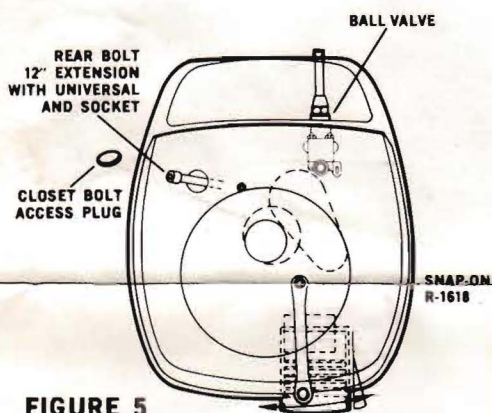


FIGURE 5

1. Closet Flange Seal
 - a. Place closet flange seal over the mechanism ring found on the under side of the toilet.
2. Rear Bolt Nut
 - a. You assemble the rear closet bolt flange nut by reaching with your right hand through the rear access hole (shown in Figure 4). The header points on the closet bolts will help start the nut. Tighten the nut until the base of the toilet contacts the floor.

Note: If the space around the toilet does not permit the above method, access to the rear nut can be gained by removing the access plug (shown in Figure 5). Plug is removed by pressing down on the plug's edge closest to the bowl. You assemble the rear closet bolt flange nut by reaching through the access hole with a socket, a universal and a 12" extension. The flange nut may be held in the socket with a small dab of sealer.

3. Front Bolt
 - a. Depress the pedal and insert a round object such as a soft drink bottle into the outlet located at the bottom of the bowl. Release the pedal slowly until the blade touches and holds the object. The object will hold the pedal down and provide access to the front flange bolt.
 - b. Assemble the front flange nut. Tighten nut until the base of the toilet contacts the floor. This stabilizes the toilet installation and provides an odor-tight seal to the closet flange.
4. Water Line Connection
 - a. Water line connections are $\frac{3}{8}$ "-18 pipe thread. Turn fitting in hand tight plus three additional full turns or until hex on fitting hits metal cap on valve, whichever occurs first. Do not solder metal fittings while they are connected to the plastic control valve.

DISASSEMBLY OF THE AQUA MAGIC GALAXY MODELS GL & GH

General Information:

The Aqua Magic disassembles into four main subassemblies (see Figures 1 or 2).

1. The seat and cover.
2. The vacuum breaker.
3. The mechanism assembly.
4. The hopper assembly.

1. Removal of the seat and cover.

With seat and cover in the open position, remove retaining rings from pins with needle nose pliers. Insert the blade of a screwdriver into the groove and extract pins. If necessary, tap screwdriver with a hammer.

2. Removal of the vacuum breaker.

First remove seat and cover. Turn the toilet

up-side-down. To remove water lines from vacuum breaker base, pinch hose clamps with a pair of pliers and slide them up the water line. Water lines may be pulled off. Remove two screws from hinge post lugs, flex lugs inward and move vacuum breaker approximately $\frac{1}{2}$ inch toward rear of toilet. Lift vacuum breaker out of toilet.

3. Removal of the mechanism assembly.

Turn the toilet up-side down. Remove the six screws that are now visible. Lift up mechanism to gain access to water line hose clamps. Pinch hose clamps with a pair of pliers and slide them up the water line. Pull water lines off of mechanism. See Figure 3 for available service parts.

4. Service and replacement of hopper assembly.

Hopper assembly may be serviced or replaced by removing the above 3 assemblies.

OPERATING INSTRUCTIONS

1. To add water to bowl.
Step on small pedal until water reaches desired level, then release pedal.
2. To Flush.
Step on large pedal until water swirls, then release pedal.

MAINTENANCE

No routine maintenance is required.

If the bowl sealing blade does not operate freely after extended use, it may be restored to its original, smooth operating condition by applying a light film of Silicone spray to the blade.

To clean the Aqua Magic, use Thetford Aqua Bowl or any other high grade, non-abrasive cleaner. Do not use highly concentrated or high acid content household cleaners. They may damage the rubber seals.

WINTERIZING

1. By Draining
Completely drain the toilet water supply line. Leave any water supply valves open. Depress foot pedal and insert a round object such as a soft drink bottle into the outlet located at the bottom of the bowl. Release the foot pedal slowly until the blade touches and holds the object. This will hold the water control valve open and prevent any residue water from being trapped there when frozen.
2. By non-toxic Anti-Freeze
Use non-toxic anti-freeze to winterize trailer fresh water plumbing system.

TROUBLE-SHOOTING

1. Symptom:
Water keeps running into the bowl.
Cause:
The blade in the bottom of the bowl is not closing completely, which in turn keeps the water control valve partially open. The groove into which the blade seats when completely closed is clogged with foreign material.
Cure:
Insert the end of a coat hanger or similar object into the sealing groove and remove the foreign material. Avoid damaging the rubber seal while cleaning.
 2. Symptom:
Toilet leaks. There is water on the floor. Specify the symptom. Determine if water is leaking from:
 - a. The vacuum breaker
 - b. The water control valve
 - c. Bowl to mechanism seal (if this is the problem, the water would not stay in the bowl).
 - d. Closet flange base seal.
 3. Symptom:
Foot pedal operates harder than normal or the blade sticks.
Cure:
Apply a light film of Silicone spray to blade.
- a) The vacuum breaker—if the vacuum breaker leaks when flushing the toilet, replace the vacuum breaker.
 - b) If the vacuum breaker leaks when the toilet is not in operation, replace the water control valve.
 - c) Leaks at the bowl to mechanism seal—remove mechanism, and replace mechanism seal.
 - d) Leaks at closet flange area—check front and rear closet flange nuts for tightness. If leak continues remove the toilet, check the closet flange height. The height should be between 1/4" and 7/16" above the floor. Adjust closet flange height accordingly and replace closet flange seal.

SERVICE

Any parts being sent to a Thetford Certified Service Center for warranty consideration must include the following information:

1. Your Name and Address
2. The product name, model and serial number
3. The type of recreational vehicle or boat [Brand Name] on which the product is used.
4. The reason for return.
5. Proof of date of purchase.

WARRANTY

You have just purchased one of the finest recreational products made. It is warranted subject to the following terms and conditions:

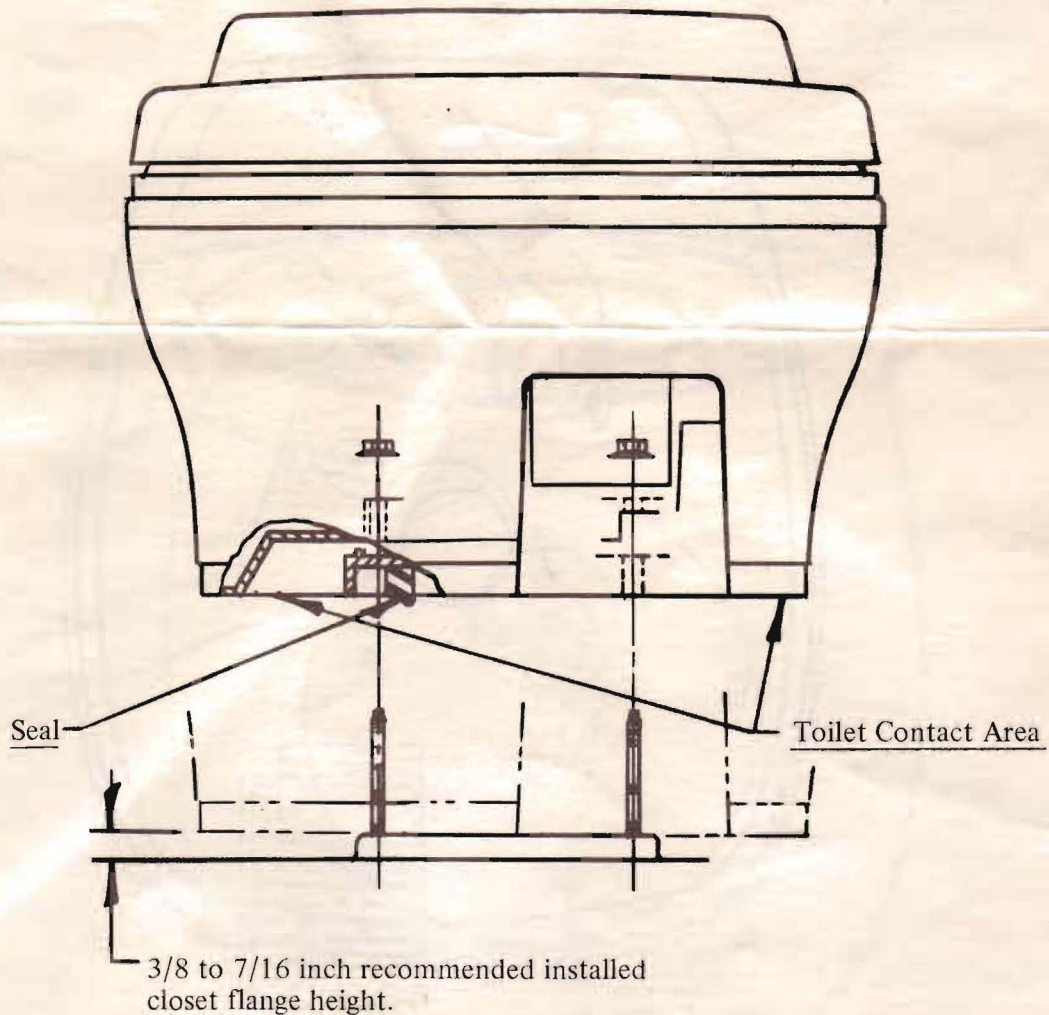
1. Thetford products are warranted to the original owner for a period of one (1) year from the date of purchase. The warranty may provide for repair, exchange of parts or replacement of defective unit as necessary, including labor, upon the condition that the necessary repairs, etc. are performed through a Thetford Certified Service Center.
2. Units returned under this warranty will be inspected. Damages which in Thetford's judgment occur from misuse, negligence, accident or any other unreasonable use shall invalidate this warranty. In addition where the product has been tampered with or altered in any way or if the serial number or date of manufacture stamp has been effaced, altered or removed, this warranty is void.
3. Should an owner possess a unit believed to be defective he must insure that said unit or easily removable part is returned to a Thetford Certified Service Center for inspection. The Service Center will determine whether or not the warranty claim is valid. If the Thetford Certified Service Center finds the unit or part defective and is a proper warranty claim, repairs will be made free of charge and returned prepaid to the owner. Your Thetford unit or part may be returned to Thetford Corporation, P.O. Box 1285, Ann Arbor, Michigan, in lieu of returning such to a Thetford Certified Service Center.
4. No other express warranty is given and no person or representative is authorized to make any warranties or assume any liability by words or action which shall constitute a warranty other than what is contained herein.
5. This warranty is expressly in lieu of any other expressed or implied warranties, including any implied warranty of merchantability or fitness and any other obligation on the part of Thetford, unless void by local law.

Consult your Dealer List for your nearest Thetford Certified Service Center.



A. CLOSET BOLT AND SEAL INSTALLATION

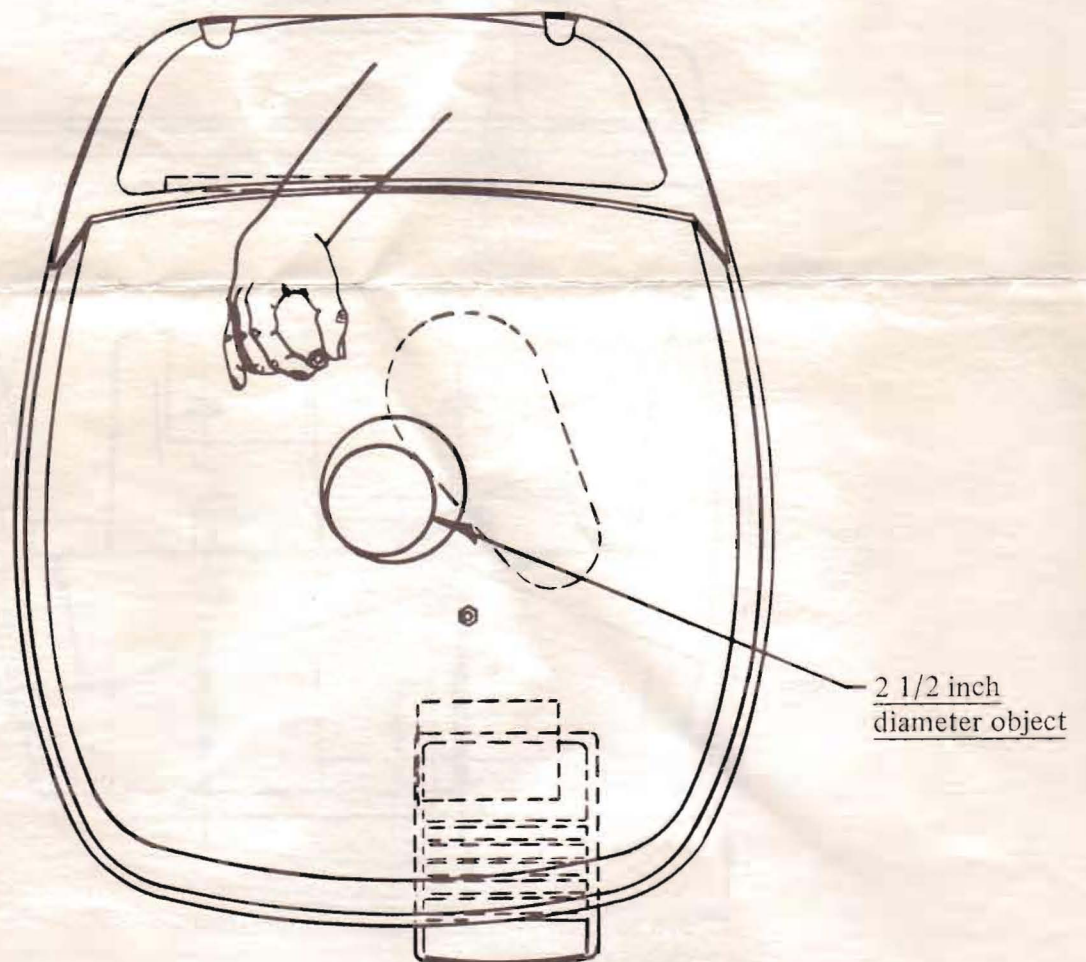
1. Install seal on mechanism as shown.
2. Install closet bolts on flange.
3. Align closet bolts with holes in mechanism and push toilet down firmly to compress flange seal.



Lay a straight edge across closet flange and measure distance to floor at toilet contact area to check flange installation. Too much gap may cause the flush mechanism to bind. Too little gap may prevent a good seal.

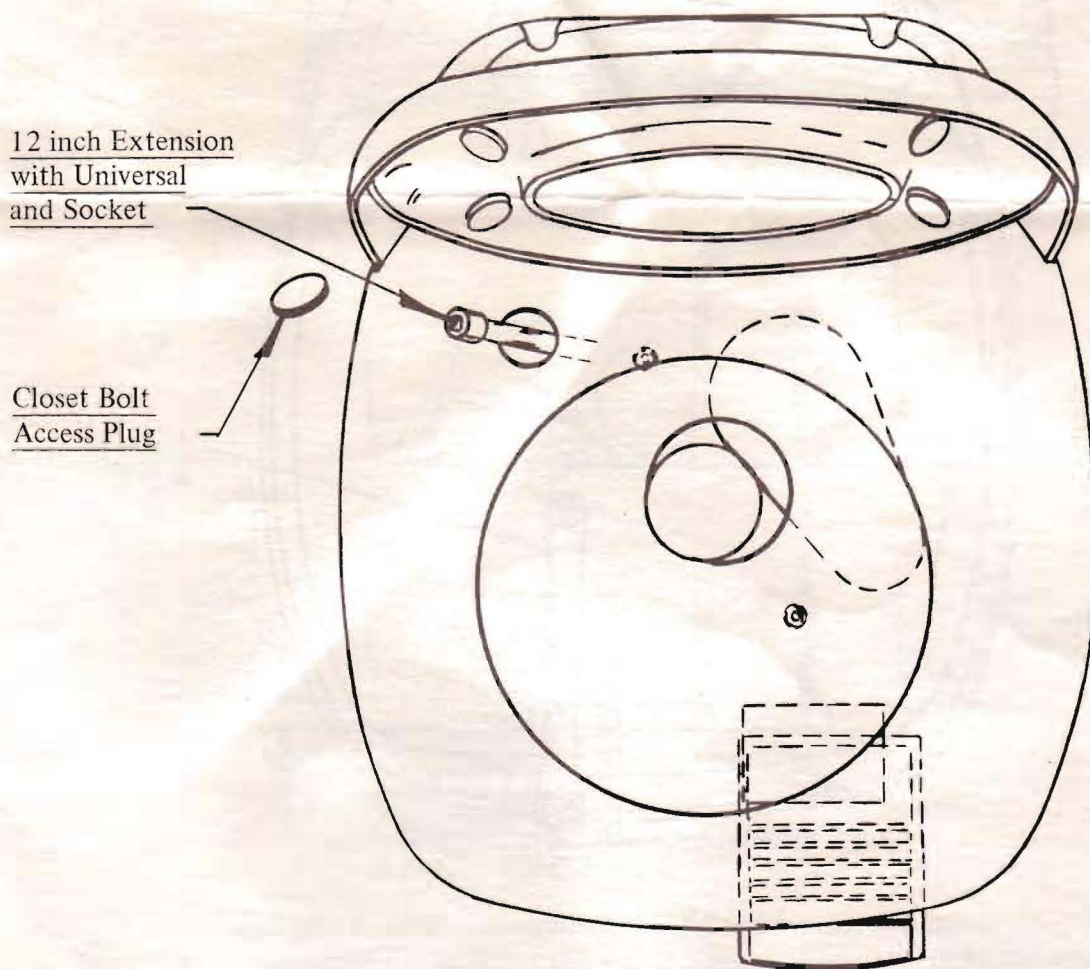
B. FLANGE NUT ASSEMBLY

1. Assemble rear closet bolt flange nut by reaching through rear access hole with right hand. The header points on the closet bolts will assist in starting the nut. Hold toilet down firmly and run nut down finger tight.
2. Depress pedal and insert a $2\frac{1}{2}$ inch diameter object in the outlet. Release pedal slowly to catch object with blade. This will hold pedal in down position, providing access to front closet bolt.
3. Assemble front flange nut. Hold toilet down firmly and run down finger tight.



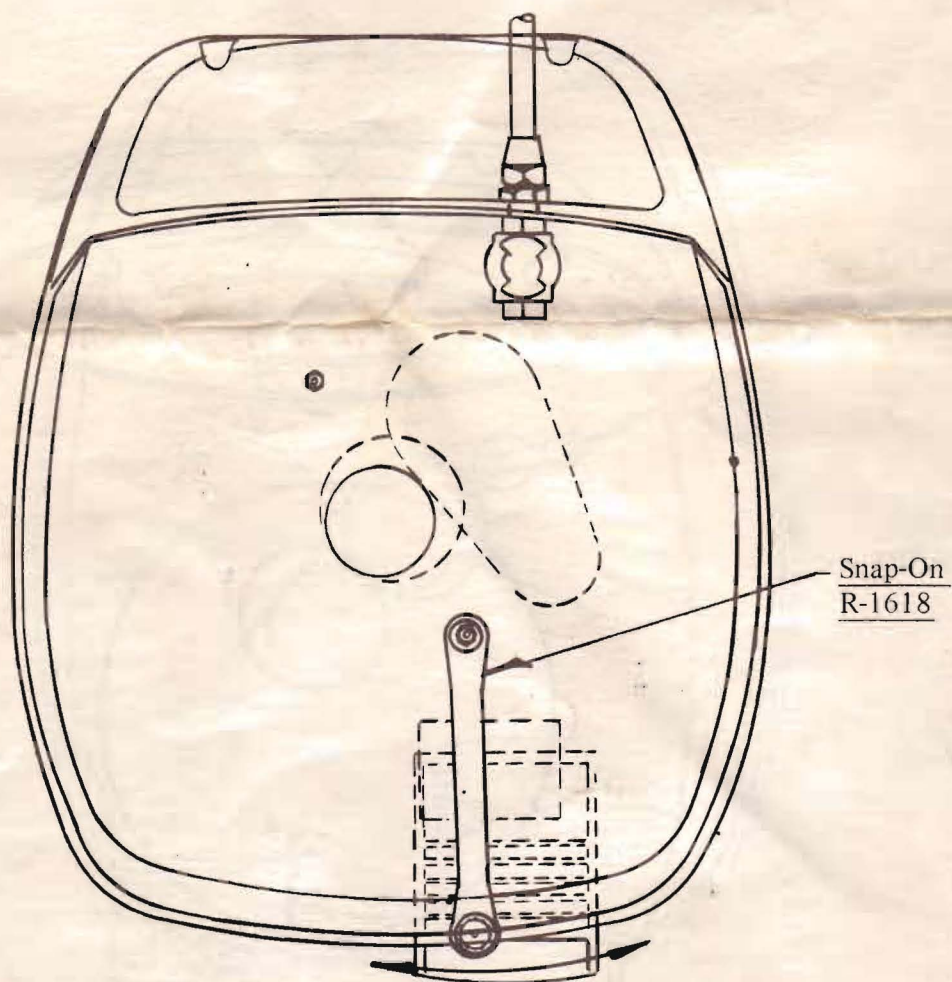
C. ALTERNATE METHOD OF ATTACHING REAR CLOSET BOLT FLANGE NUT

1. Remove access plug from toilet top.
2. Assemble rear closet bolt flange nut by reaching through access hole located on top of water closet with a socket, universal, and 12 inch extension. The flange nut may be held in the socket with a small dab of sealer.



D. TIGHTENING OF CLOSET BOLTS AND WATER LINE CONNECTIONS

1. A 12 point 1/2 inch ratchet box end wrench such as the Snap-On R-1618 is an efficient tool for running down the flange nuts.
2. Tighten nuts until base of toilet contacts floor. This will stabilize toilet installation and provide an odor tight seal to the closet flange.
3. Water connection is a 3/8-18 pipe thread. Install pipe nipple or flare connector finger tight plus 1 to 1 1/2 turns. Protect from over tightening when fastening flare nut or additional plumbing. Do Not solder fittings while connected to plastic ball valve.



4. Depress pedal and remove the 2 1/2 inch diameter object. Toilet installation is now complete.

E. TOILET REMOVAL

1. Reverse above procedures.