

# Homeowners Guide

## Pressure Assisted Toilets

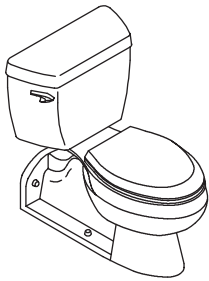
K-3493



K-3505



K-3554



**M** product numbers are for Mexico (i.e. K-12345**M**)

Los números de productos seguidos de

**M** corresponden a México (Ej.

K-12345**M**)

Français, page "Français-1"

Español, página "Español-1"

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THE BOLD LOOK  
OF **KOHLER®**

# IMPORTANT INFORMATION

## SAVE THESE INSTRUCTIONS



**WARNING: Risk of injury or water damage.** Contents of vessel under pressure can cause severe injury. Do not open or service before reading service instructions. Turn off water supply and flush the unit to release pressure before attempting any service.



**CAUTION: Risk of product damage.** Do not use any oils or lubricants on the Pressure Lite™ system.



**CAUTION: Risk of product damage.** The fittings in this toilet require no adjustment (except for possible gap clearance adjustment and winterizing). The fittings in this toilet are preset. Any adjustment or modifications of the product are not normal usage and void the warranty.



**WARNING: Risk of injury or product damage.** Handle vitreous china products very carefully. Vitreous china can break and chip if you overtighten bolts and nuts.

**NOTICE:** For service and warranty on the Sloan Flushmate vessel and related components, see the Sloan Flushmate Owner's Service Manual.

**Follow all local plumbing codes.**

## Thank You For Choosing Kohler Company

Thank you for choosing the Bold Look of Kohler. Kohler craftsmanship offers you a rare combination of proven performance and graceful sophistication that will satisfy you for years to come. The dependability and beauty of your Kohler toilet will surpass your highest expectations. We're very proud of our products here at Kohler and we know you will be too.

Please take a few minutes to study this Homeowners Guide. Pay special attention to the Care and Cleaning instructions.

All information in this manual is based upon the latest product information available at the time of publication. At Kohler, we constantly strive to improve the quality of our products. We reserve the right to make changes in product characteristics, packaging or availability at any time without notice.

## Your Kohler Toilet

Your Kohler toilet combines outstanding function, comfort, and performance with remarkable style and class.

This Kohler toilet was designed to use only 1.4 gallons (5.3 L) of water for each flush. This ensures that your toilet will provide exceptional performance that is comparable to our previous 3.5 gallon (13.2 L) models. Your toilet exceeds ASME performance standards for low-consumption toilets. It was designed with a large, glazed trapway to keep waste moving without blockage.

Crafted from a clay mixture that is fired at an intense heat to vitrify the clay and fuse the glaze, your Kohler toilet is scratch- and abrasion-resistant. Its surface won't stain, discolor, rust, or fade. Every component in your Kohler toilet is specifically designed to increase the toilet's useful life.

## How to Use This Manual

This manual is designed to help you troubleshoot and repair any problems that may develop with the operation of the toilet. If a problem occurs:

- ☐ Refer to the Troubleshooting section to determine a probable cause.
- ☐ Follow the maintenance and repair instructions in this manual to correct the problem.
- ☐ Check the Service Parts section to determine the part numbers for any replacement parts necessary.
- ☐ Use the information on the back cover of this manual to contact Kohler Company to order parts, or for help if you cannot correct the problem.

## Care and Cleaning

**NOTE:** See the special instructions before you clean Artist Edition products.

Clean the outside surface of your vitreous china toilet with mild soap and warm water. Wipe the entire surface completely dry with a clean, soft cloth. You may use soft abrasive cleaners when necessary to clean your toilet. Do not use strong abrasive cleaners, as they will scratch and dull the surface. Wipe any splashes of cleaner solutions from plastic or plated surfaces immediately. Use toilet bowl cleaners on the inside of the bowl only.

## Care and Cleaning (cont.)

If the surface becomes excessively dirty, use a general purpose cleaner such as: Fantastik® All Purpose, Lysol® Basin, Tub and Tile Cleaner, Soft Scrub® Multi Purpose, Scrub Free® Disinfectant Bathroom Cleaner, Clorox Clean-Up®, Spic and Span Liquid, Comet® Liquid Bathroom Cleaner, Scrubbing Bubbles® Bathroom Cleaner, Bar Keeper's Friend®, or Bon Ami®.

Over time, hard water deposits may clog toilet rim holes and trapways. To clean, use a commercial cleaner that is recommended for removing hard water deposits. Follow the cleaner manufacturer's instructions.



**WARNING: Risk of property or product damage.** Do not use in-tank cleaners in your toilet. Products containing chlorine (calcium hypochlorite) can seriously damage fittings in the tank. This damage can cause leakage and property damage.

Kohler Company shall not be responsible or liable for any tank fitting damage caused by the use of cleaners containing chlorine (calcium hypochlorite).

**For Artist Edition toilets:** Do not use bristle brushes or abrasive sponges to clean the surface of your Artist Edition toilet. They will scratch the decorated surface. Gold and Platinum used on decorative products are like fine jewelry. Use only warm water to clean, and dry with a soft cloth. Do not let cleaners sit or soak on Artist Edition surfaces. Rinse and wipe the toilet surface to prevent soap buildup. If the surface of your Artist Edition toilet becomes excessively dirty, use Glass Plus® or a liquid dish soap with water.

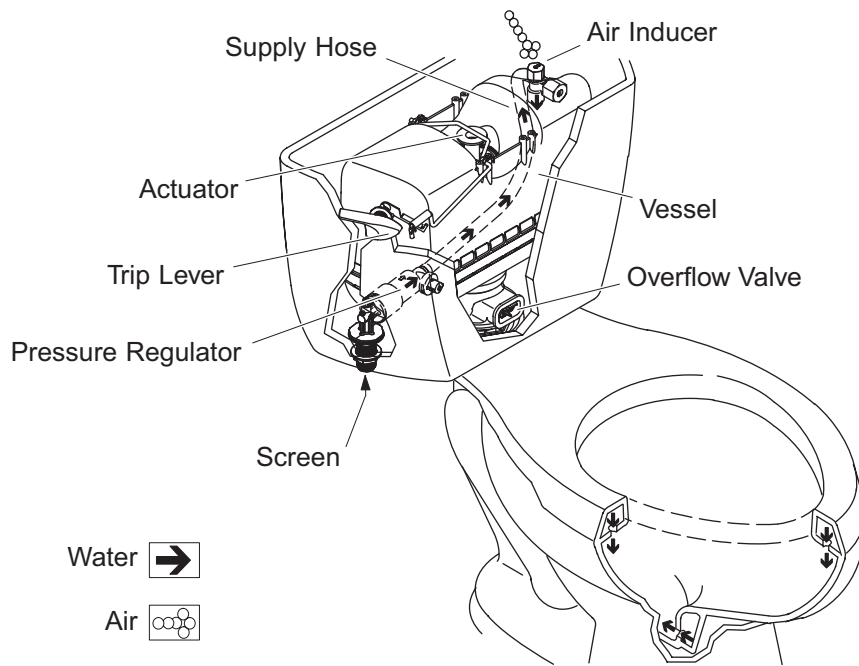
**Toilet Seats:** Avoid using abrasive cleaners, detergents, disinfectants or cleaning products in aerosol cans.

Do not allow abrasive chemicals or cosmetics (such as fingernail polish or aftershave) to come in contact with the toilet seat, as they can damage the finish.

Use a soft sponge or cloth to clean the toilet seat. Rinse the seat clean and dry with a soft towel. Let the seat air dry and ensure that the hinge area dries completely.

Clean the seat with dishwashing liquid and water or with any of the following products: Gel Gloss®, Scrub Free® Mildew Stain Remover, Formula 409® All Purpose Cleaner, Mr. Clean® Lemon Fresh, Cinch®, Glass Plus®, or Fantastik® All Purpose.

Painted wood seats require special care and cleaning. Use only mild a detergent such as dishwashing soap.



## Operation

The vitreous china bowl and tank direct the flushing water flow, and house the Pressure Lite system.

The vessel contains the complete operating cartridge assembly, and is the container for the pressurized 1.4 gallons (5.3 L) of water used for each flush.

The control components consist of the pressure regulator and the air inducer. These components work with the incoming, pressurized, supply-line water to provide a regulated pressure flush to the toilet bowl.

A complete flush cycle is two separate functions.

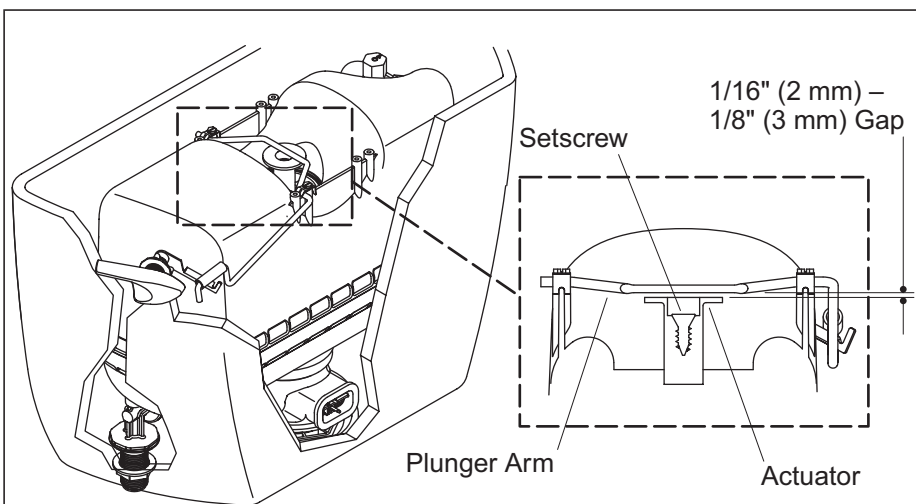
When the trip lever is operated, the vessel plunger assembly is pressed, allowing pressurized water to be directed to the bowl for complete flushing action. As the water level in the vessel drops the plunger will close, stopping water flow to the bowl.

A checkpoint built into the vessel assembly allows any discharge of water into the vitreous china tank to drain directly into the bowl.

After flushing, a charge cycle takes place. Supply line water flows into

**Operation (cont.)**

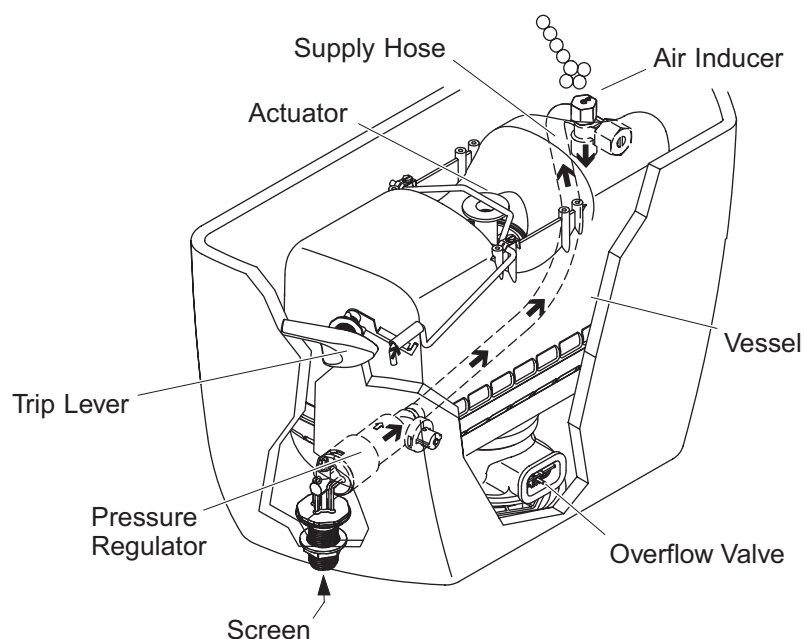
the vessel through the screen and pressure regulator. The water then flows across the air inducer, which mixes a small amount of air with the water, filling the vessel until a pressure of approximately 35 psi (2.5 Kg/cm squared) is reached. The toilet will be ready for the next flush within 60 to 90 seconds. If the toilet is not ready for the next flush within that time, please refer to the Troubleshooting section.



### Gap Clearance

- If the toilet does not activate, the gap between the actuator and the plunger arm may need to be reset. Make sure the trip lever handle is installed, and the trip lever nut is tight. This is a left-hand thread; turn counterclockwise to tighten.
- Make sure the water supply is on, and the supply line water has stopped flowing into the toilet.
- Loosen the setscrew. Turn the actuator until there is a 1/16" (2 mm) - 1/8" (3 mm) gap between the actuator and the plunger arm. Turn the actuator clockwise to increase the gap.
- Tighten the setscrew after the gap is properly adjusted.

**NOTE:** Loss of gap clearance adjustment could cause leakage into the toilet bowl due to the plunger not sealing properly. This condition could cause a continual flow of water. If the problem is not corrected after adjustment, refer to the Troubleshooting section.



## Winterizing Your Toilet

- ☐ Turn off the water.
- ☐ Drain the tank by flushing. Press the actuator down for approximately one minute to drain the water from the vessel assembly.
- ☐ Disconnect the water supply line to the toilet.
- ☐ Remove the supply shank, and drain the water from the tank.
- ☐ Press the actuator one more time, then pull the actuator up to allow air into the vessel.
- ☐ Add antifreeze to the toilet bowl water to prevent freezing. Use recreational-type antifreeze commonly used in campers, motor homes, and boats.
- ☐ To restart the toilet, first reconnect the water supply line to the toilet. Then turn on the water supply, and let the system pressurize for at least one minute.
- ☐ Check for leaks, and retighten any leaking connections.



## Winterizing Your Toilet (cont.)

**NOTE:** Refer to the Sloan Flushmate® Owner's Service Manual for more information.

### One-Year Limited Warranty

#### For the U.S.A. and Canada Only

KOHLER® plumbing fixtures, faucets and fittings are warranted to be free of defects in material and workmanship for one year from date of installation.

Kohler Co. will, at its election, repair, replace or make appropriate adjustment where Kohler Co. inspection discloses any such defects occurring in normal usage within one year after installation. Kohler Co. is not responsible for removal or installation costs.

To obtain warranty service, contact Kohler Co. either through your Dealer, Plumbing Contractor, Home Center or E-tailer, or by writing Kohler Co., Attn.: Customer Service Department, 444 Highland Drive, Kohler, WI 53044, USA, or by calling 1-800-4-KOHLER from within the USA, 1-800-964-5590 from within Canada and 001-877-680-1310 from within Mexico.

**Implied warranties including that of merchantability and fitness for a particular purpose are expressly limited in duration to the duration of this warranty, Kohler Co. disclaims any liability for special, incidental or consequential damages.** Some states/provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of special, incidental or consequential damages so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state/province to state/province.

**This is our exclusive written warranty.**

#### Notes:

1. There may be variation in color fidelity between catalog images and actual plumbing fixtures.
2. Kohler Co. reserves the right to make changes in product characteristics, packaging or availability at any time with out notice.

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## **One-Year Warranty**

### **For Mexico Only**

KOHLER CO.

It is recommended that at the time of purchase, you verify that all accessories and components are complete in this package.

This Kohler product is warranted to be free of defects in material and workmanship for one (1) year from the date of purchase as shown on the invoice or receipt.

1. Kohler Co. will only service its commercialized products through its authorized distributors.
2. To obtain warranty service, please present the invoice and corresponding warranty.
3. Through its authorized distributors, Kohler Co. promises to repair the defective product or provide a new replacement or an equivalent model (in those cases that the model has been discontinued) when the product is beyond repair, without any charge to the consumer.
4. The time of repair will not exceed six (6) weeks commencing on the date the product is received.
5. It is recommended that the consumer save the invoice or receipt as additional protection, as it may substitute the warranty in the case that there is a discrepancy in the validity of the warranty.

### **EXCEPTIONS AND RESTRICTIONS**

The Warranty will not be valid in the following cases:

1. When the product is not operated in accordance with the instructions concerning use and operation set forth in the owner's manual or installation instructions, and when the recommendations and warnings included are not observed.
2. When the product has been modified or dismantled partially or totally; or has been used in a negligent fashion and as a consequence has suffered damages attributable to the consumer, individual, or hardware not authorized by Kohler Co.
3. This warranty does not cover the damages as a result of disaster such as fire or acts of God, including flooding, earthquake, or electric storms, etc. To obtain a list of distributors in your area where you can exercise your rights under this warranty, please call 001-877-680-1310.

KOHLER CO., KOHLER, WI 53044 U.S.A.

### **IMPORTER:**

INTERNACIONAL DE CERÁMICA, S.A. DE C.V.

## One-Year Warranty (cont.)

AV. CARLOS PACHECO NO. 7200

CHIHUAHUA, CHIH., MEXICO C.P. 31060

TEL: 52 (14) 29-11-11

## Troubleshooting Guide

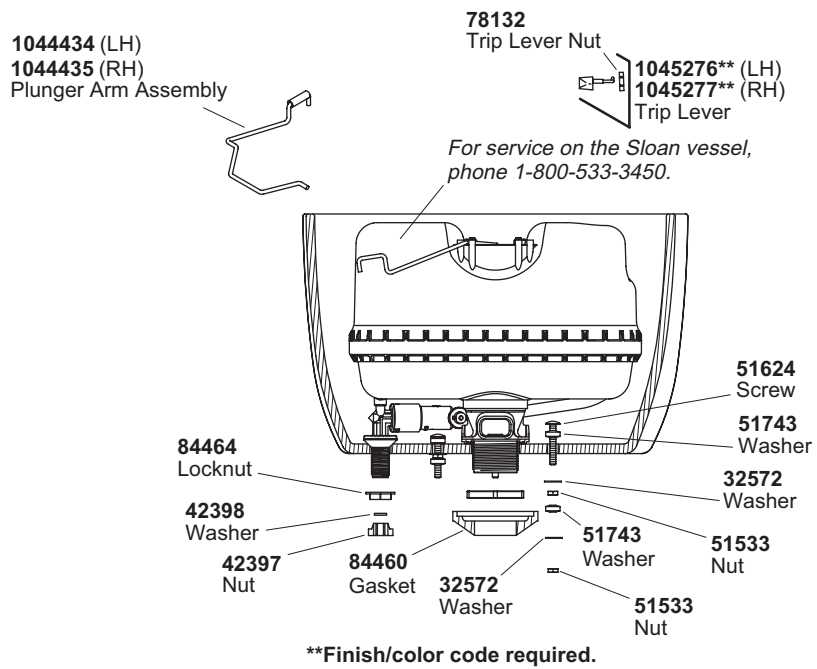
### Troubleshooting Tips

**NOTE:** This troubleshooting guide is for general aid only. For warranty service, contact your dealer or wholesale distributor.

### Troubleshooting Table

Symptoms	Recommended Action
1. Poor flush.	<ul style="list-style-type: none"><li>A. Clean under the bowl rim.</li><li>B. Plunge the bowl, auger the trap, and auger the drain to clear any blockage.</li><li>C. Adjust the gap between the actuator and plunger arm to approximately 1/8" (3 mm).</li><li>D. Fully open the supply stop.</li><li>E. Clean the screen with a medium to hard bristle brush. Replace the screen if necessary. (Phone 1-800-533-3450 for assistance.)</li><li>F. Clean or replace the flow regulator.</li><li>G. Refer to installer/dealer for assistance.</li></ul>
2. No flush.	<ul style="list-style-type: none"><li>A. Fully open the water supply stop.</li><li>B. Tighten the nut (turn counterclockwise to tighten).</li><li>C. Hook the plunger arm over the trip arm.</li><li>D. Clean the screen. (Phone 1-800-533-3450 for assistance.) Replace the screen if necessary</li><li>E. Clean or replace the flow regulator.</li><li>F. Replace inlet components. (Phone 1-800-533-3450 for assistance.)</li></ul>
3. Bowl water continues to flow or tank fill water will not shut off.	<ul style="list-style-type: none"><li>A. Adjust the gap between the actuator and plunger arm to approximately 1/8" (3 mm).</li></ul>

Troubleshooting Guide (cont.)	
Symptoms	Recommended Action
	<b>B.</b> Repair or replace the plunger arm (refer to installer/dealer for assistance). <b>C.</b> Replace the lower supply group.
For additional assistance, also refer to the Sloan Flushmate® Owner's Service Manual supplied with the tank.	



## Service Parts