

1. BEFORE YOU BEGIN

HOW TO USE THESE INSTRUCTIONS

Please read these instructions carefully to familiarize yourself with the required tools, materials, and installation sequences. Follow the sections that pertain to your particular installation. This will help you avoid costly mistakes. In addition to proper installation, read all operating and safety instructions.

All information in these instructions is based on the latest product information available at the time of publication. Kohler Co. reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.

These instructions contain important care, cleaning, and warranty information – please leave for the consumer.

INSTALLER HAZARD NOTIFICATION



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

NOTE: Follow all local plumbing codes.

PRODUCT PROPERTIES

- Distance from the rim to the water surface is 4-7/8".
- 2-1/4" passageway.
- For roughing-in and overall dimensions, **see Fig. #1.**
- Fixture dimensions are nominal and conform to tolerances by ANSI standards (A112.19.2).

PRODUCT REQUIREMENTS

- Since all toilets do not have the same supply rough-in, you may have to change the location of the supply stop to install this toilet.
- Closet flange must be 12" on-center from wall.
- Seat post holes are on 5-1/2" centers.
- This toilet is designed to flush using 3.5 gallons when the tank refill time is adjusted to between 50 and 55 seconds. Tank refill time is measured from the moment the flapper ball reseats to the time water stops flowing through the refill tube. Slightly longer refill time may be necessary to compensate for permanent or temporary low water pressure. To adjust the refill time, **see "To Adjust Refill Time", on Page 5.**

ORDERING INFORMATION

Wellworth™ Waterguard® Toilet (elongated) . . . K-3520-C
Wellworth™ Waterguard® Toilet (round) K-3521-C

When specified:

3/8" supply K-7638
Floor bolts (pr.) 21401

NOTE: For service parts ordering information, see separate Service Parts document enclosed with product.

MATERIALS REQUIRED

- Closet flange
- Toilet gasket (wax seal)
- Toilet T-bolts (2) 5/16" diameter
- Toilet setting compound (optional)
- Toilet supply shut-off valve, 3/8" required

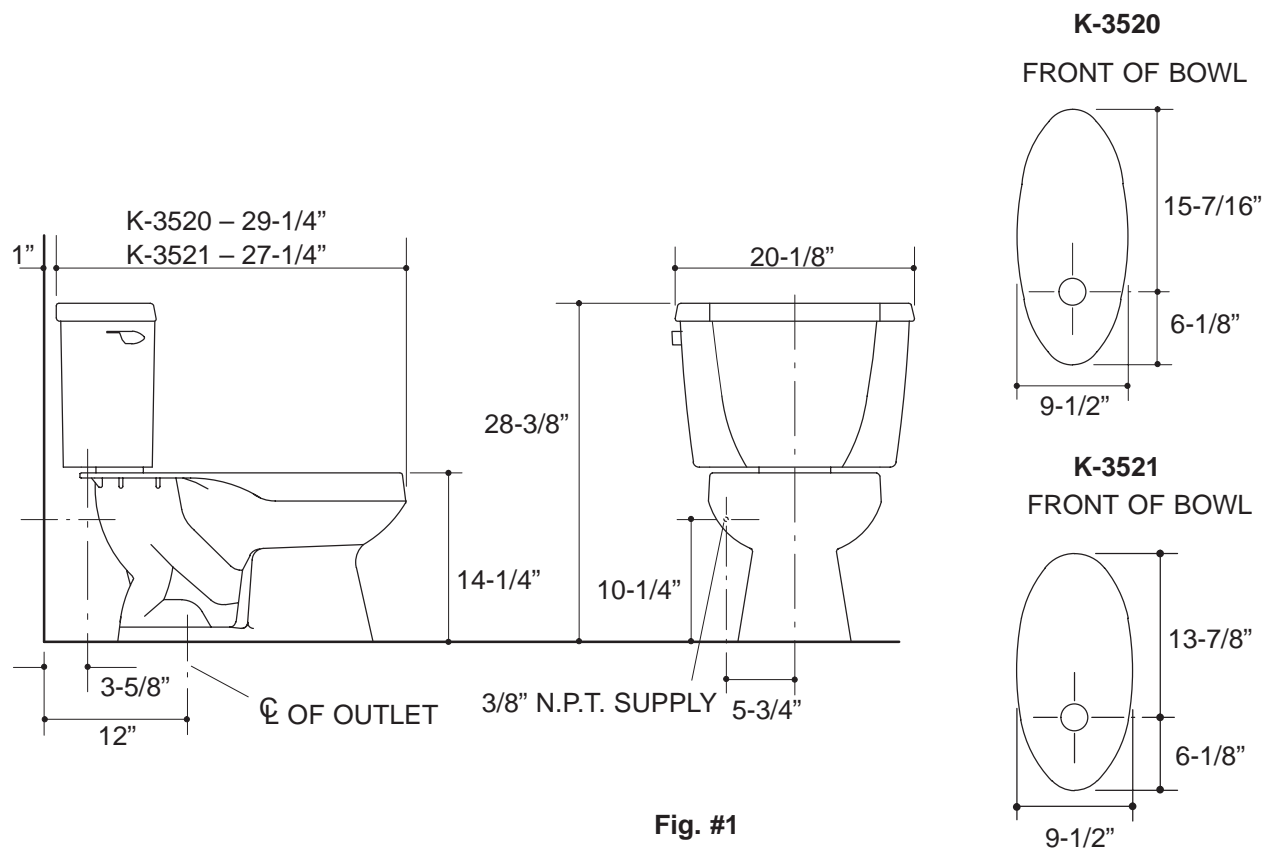
TOOLS REQUIRED

- 10" adjustable wrench
- 12" pipe wrench
- Screwdriver
- Tape Measure
- Tubing cutter
- Level
- Putty knife
- Hacksaw/metal file (for shortening T-bolts)

NOTE: Site preparation may require additional tools.

2. SITE PREPARATION

ROUGHING-IN DIMENSIONS



REMOVE EXISTING TOILET

NOTE: Carefully inspect the new fixture for any sign of damage before removing the existing toilet.

Turn off the water supply.

Flush the toilet, and sponge out all remaining water from the tank and bowl.

Disconnect the supply valve, and remove the old tank and bowl.

Remove the old gasket from the floor and closet flange with a putty knife.

Remove the old T-bolts (the T-shaped bolts in the closet flange), and discard.

CAUTION: Risk of hazardous gases. If the new toilet is not installed immediately, temporarily stuff a rag in the closet flange.

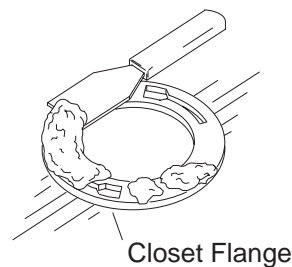


Fig. #2

ROUGH-IN PLUMBING

Turn off the water supply.

Install or relocate the supplies and outlets as necessary to conform to the roughing-in dimensions. For shut-off valve location, see Fig. #3.

3. INSTALLATION

INSTALL NEW SHUT-OFF VALVE

For supply installation, refer to the instructions packed with the supply stop.

Locate the supply shut-off valve so it is 10-1/4" above the floorline, and 5-3/4" to the left of the centerline of the closet flange.

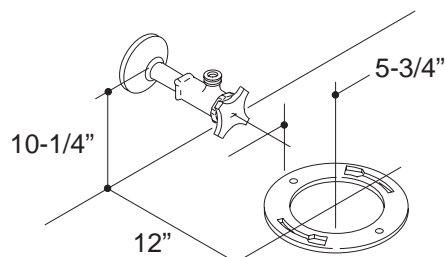


Fig. #3

Install new 5/16" diameter T-bolts.

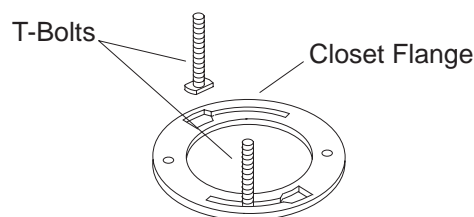


Fig. #4

INSTALL TOILET GASKET

Position the toilet upside down on padding.

Firmly attach the gasket around the toilet outlet. If you are using a gasket with an integral plastic sleeve, position the gasket with the sleeve facing away from the toilet.

If desired, place a 1/4"-thick bead of toilet setting compound around the toilet base.

NOTE: If a rag or other plug was placed in the closet flange, remove the rag before setting the toilet.

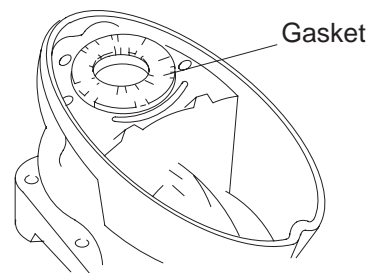


Fig. #5

ALIGN AND SET TOILET

Carefully align and lower the toilet over the closet flange and T-bolts.

CAUTION: Risk of external leakage. Do not lift or rock the toilet after placement. A new gasket must be reapplied if you break the watertight seal.

Apply full body weight to the toilet rim to set the seal.

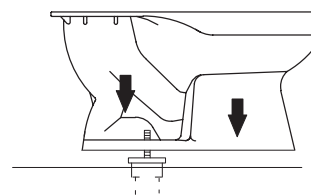


Fig. #6

SECURE TOILET

Assemble the bolt cap bases, washers, and nuts on the exposed T-bolts.

CAUTION: Risk of personal injury or product damage. Overtightening may cause breakage or chipping.

Hand tighten the nuts, then tighten them an additional 1/2-turn with a wrench. If the T-bolts extend more than 1/4" from the top of the nut, cut off the excess with a hack-saw, and file the cut edges. Wipe away any residue. Install the bolt caps.

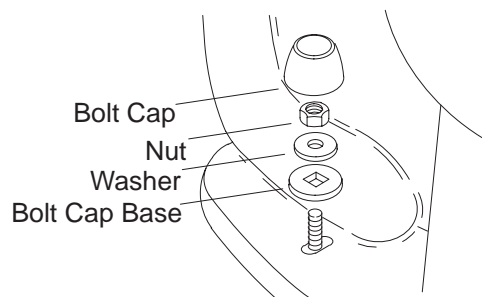


Fig. #7

INSTALL TANK

Make sure the three tank bolts extend completely through the holes in the gasket. Set the tank onto the bowl, using the tank bolts as a guide. Center the gasket on the inlet of the bowl. Assemble the washers and brass nuts onto the bolts.

Alternately tighten the three brass nuts so the top of the tank and the top of the bowl are both level. Be sure the brass nuts are tight enough to achieve a watertight seal.

CAUTION: Risk of product damage. Overtightening may cause breakage or chipping of the vitreous china bowl or tank.

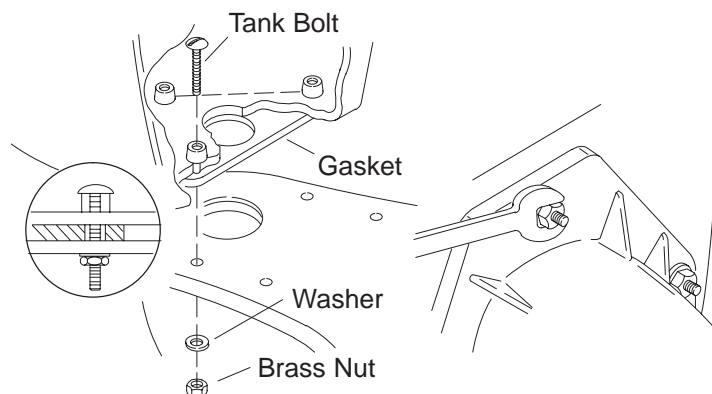


Fig. #8

CONNECT SUPPLY SHUT-OFF VALVE

NOTICE: Read this section carefully before performing these steps.

For installation of the supply shut-off valve, refer to the installation instructions packed with the valve. Carefully bend the tubing to fit.

Cut the end of the tubing 1/4" longer than the distance between the supply shut-off valve and the supply shank. Remove any burrs from the inside of the tubing.

Slip the coupling nut, compression nut, and ferrule onto the tubing. Insert the tubing into the supply shut-off valve and the supply shank, positioning the seal washer (supplied) or the compression washer (not supplied), as shown. Handtighten the coupling nut, and then tighten the compression nut.

WARNING: Risk of property damage. Do not overtighten any of these nuts, or you may deform connections and cause leakage. **Do not use tools to tighten plastic nuts.**

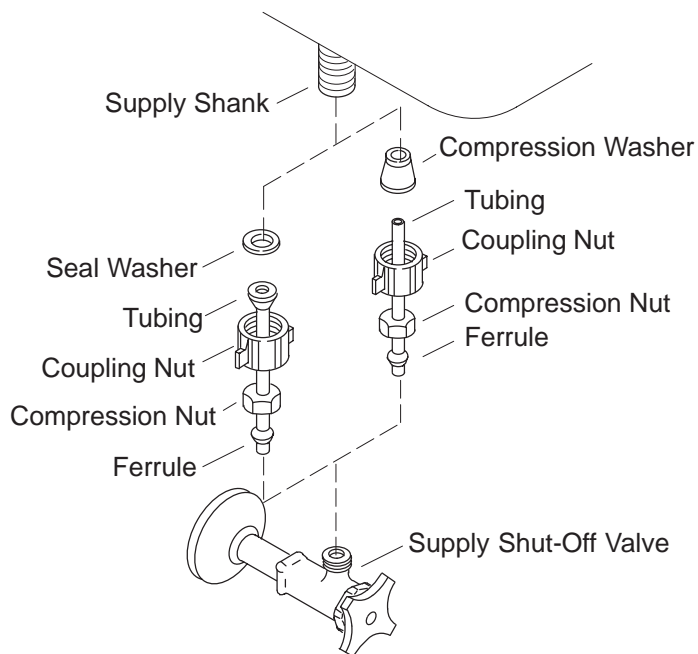


Fig. #9

CHECK FOR LEAKS

Turn on the shut-off valve, and check for leaks. If the connections are squarely assembled, a slight re-tightening of the nuts will stop any leaks. Check all connections for leaks for several days. The nuts under the bolt caps may also require retightening.

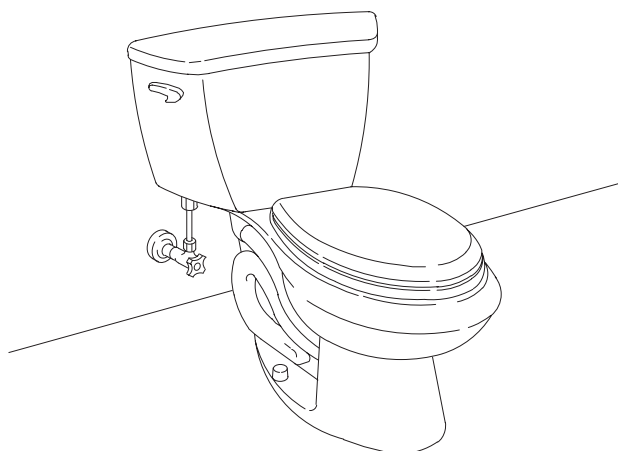


Fig. #10

4. ADJUSTMENTS

TO ADJUST WATER LEVEL

Make sure the refill tube is inserted into the overflow tube. Check that the water level is at the water line inside the toilet tank. If the level is off, hold the middle of the float rod, and carefully bend the rod up or down as needed.

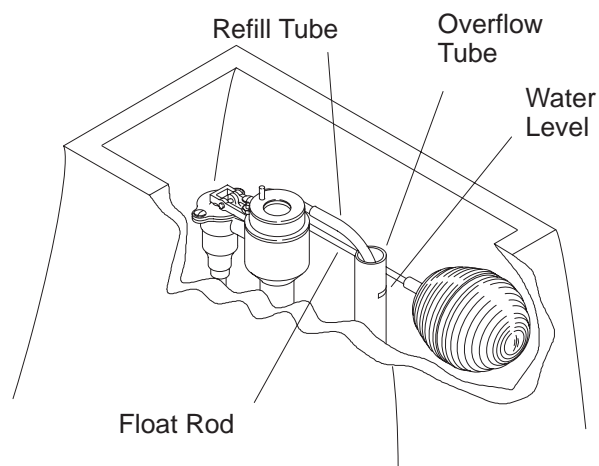


Fig. #11

TO ADJUST REFILL TIME

To adjust the refill time, first loosen the locknut. Turn the timing screw clockwise to increase the refill time; counter-clockwise to decrease the time. After adjustment, tighten the locknut.

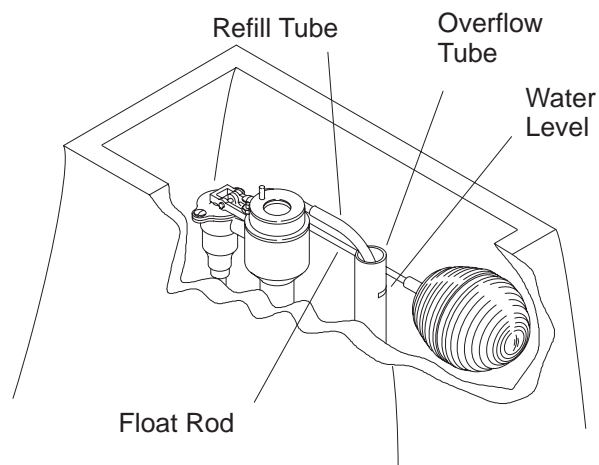


Fig. #12

5. TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. Poor flush or poor rim wash.	A. Low tank water level. B. Undersize supply. C. Supply stop not fully open. D. Low bowl water level. E. Volume control not properly adjusted F. Clogged trapway or rim holes. G. Clogged soil pipe or vents.	A. Adjust tank water level screw. B. Install 1/2" supply. C. Fully open supply stop. D. Adjust bowl water level. E. Increase flow by turning upward. F. Unclog trapway or clean rim holes. G. Unclog soil pipe or vent pipe.
2. Excessive noise.	A. Plunger needs lubrication. B. Plunger needs replacing.	A. Lubricate plunger with silicone lubricant B. Replace plunger.
3. Valve does not shut off and water is flowing into the overflow. NOTE: After tank is filled to water level line, turn off supply stop; see if water level drops.	A. Defective plunger. B. Water level too high in tank. C. Leaky float ball. D. Leaky float valve seat.	A. Replace plunger. B. Lower water level to below rimfeed hose. C. Replace float ball. D. Replace seat washer.
4. Bowl seal does not recover. NOTE: May be caused by temporarily reduced water pressure.	A. Seal screw needs adjusting. B. Clogged soil pipe or vents.	A. Adjust seal screw. B. Unclog soil pipe or vent pipe.
5. Toilet flushes by itself.	A. Line pressure surges activate float valve. B. High water pressure.	A. Install pressure surge suppressor. B. Install pressure regulator.
6. Toilet overflows.	A. Toilet is clogged.	A. Use plunger to unclog toilet.

6. IMPORTANT CONSUMER INFORMATION

CONSUMER RESPONSIBILITIES

If you live in a hard water area, make certain that the holes in the toilet rim are kept clean to ensure proper bowl flushing. Toilet bowl cleaners should be used at least once a week. Use a long-handled brush to clean the rim holes, and to clean as far into the trap as possible to prevent mineral deposits from forming.

Most toilet bowl cleaners are not harmful to the vitreous china surface of the toilet bowl. Please follow the bowl cleaner manufacturer's instructions carefully.

Do not use abrasive cleansers or solvents.



WARNING: Do not use in-tank cleaners. 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).

REQUESTING SERVICE

Please take a moment to familiarize yourself with the Kohler Warranty, its benefits, and limitations. Kohler Co. and its distributors support you with one of the largest Service Networks of its type. Here's what you need to do if you require service:

FIRST: Contact the dealer or contractor who sold and installed the product. They should be able to solve any problems you may have.

SECOND: If your dealer or contractor cannot solve the problem, they will contact or supply you with the name of the local Kohler Distributor and the:



KOHLER TECHNICAL SPECIALIST

THIRD: If you are unable to obtain warranty service through either your contractor or Kohler Co. distributor, please write us directly at Kohler Co., Attn: Customer Service Department, 444 Highland Drive, Kohler, WI 53044 U.S.A.

FOURTH: Include all pertinent information regarding your claim, including a complete description of the product, model numbers, colors, finishes, and the date the product was installed. Include a description of the problem, and a photocopy of your invoice for the products involved. Also give us the name of the contractor and distributor.

LIMITED ONE-YEAR WARRANTY

Kohler plumbing fixtures and fittings are warranted free of manufacturing defects.

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 installation costs.

To obtain warranty service, contact Kohler Co. either through your Dealer or Plumbing Contractor or by writing Kohler Co., Attn: Customer Service Department, 444 Highland Drive, Kohler, WI 53044 U.S.A., or by calling **1-800-4-KOHLER** from within the U.S.A.

Implied warranties, including that of merchantability and fitness for a particular purpose, are expressly limited in duration to the duration of this warranty. To the extent permitted by law, Kohler Co. disclaims all implied warranties including merchantability and fitness for a particular purpose. Kohler Co. disclaims any liability for special, incidental, or consequential damages.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so this limitation and exclusion may not apply to you. This warranty gives you specific legal rights. You may also have rights which vary from state to state.

This is our exclusive written warranty.

KOHLER CO., KOHLER, WISCONSIN 53044

