



TOOLS AND SUPPLIES

You can determine which tools and materials are necessary by reading the complete installation instructions and examining the job you have to do.

These tools and supplies are recommended:

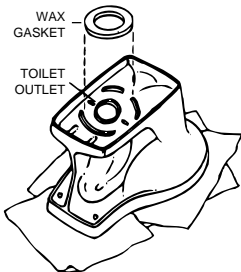
- Large sponge □ Basin or Bucket
- Screwdriver □ Scraper/Putty Knife
- Hacksaw □ Tape Measure
- Adjustable wrench □ Wax ring gasket
- Newspaper or drop cloth □ Ink marker or pencil
- Setting compound □ Level □ Toilet seat
- 3/8" I.P.S. water supply and shut-off valve (if new installation)

REMOVING OLD TOILET

1. Turn off the water supply, then flush to empty tank. Use a sponge & basin to soak up any water left in the tank or bowl.
2. Disconnect the supply line from the toilet tank.
3. Disassemble tank from bowl by removing lock nuts from the underside of the tank.
4. Pry off the bolt caps, remove nuts that secure the toilet to the floor. Use a rocking motion to remove the old toilet.
5. Scrape the old wax gasket from the floor flange.

INSTALLING YOUR NEW TOILET

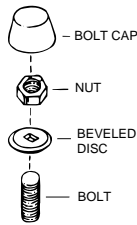
1. If this is a new bathroom, install a 3/8" I.P.S. water supply and shut-off valve. (Refer to the rough-in drawing available on website www.eljer.com or contact Eljer customer service at 1-800-423-5537).
2. Before installing new wax gasket, TEMPORARILY install flange T-bolts, set toilet, and place discs and nuts onto bolts. Mark bolt length needed for bolt cap clearance. Remove toilet and pre-cut the bolts to length.
3. Carefully turn the toilet bowl upside down onto a thick layer of newspaper to protect the finish. Place a new wax gasket on toilet outlet. A bead of setting compound may be applied to the base if desired.
4. Install two flange T-bolts in the floor flange.



SETTING THE BOWL

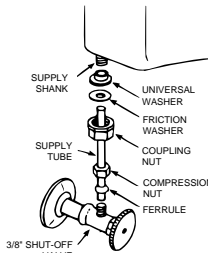
1. Carefully lower toilet so the T-bolts will protrude through holes in base. (May require help to align).
2. Apply full body weight to rim of bowl for

proper gasket seal.
 3. Place discs (bevel side up) and nuts onto T-bolts and tighten nut. **DO NOT OVERTIGHTEN** as breaking or chipping of china may result. Press bolt caps onto discs.



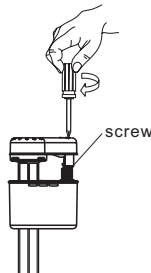
WATER CONNECTION

1. Before connecting the water supply, flush the line into a bucket to remove any debris.
2. Place the coupling nut, friction washer and universal washer onto the plain end of supply tube as shown. NOTE: The same universal washer will be used to make the flanged slip-joint connection for a 1/2" O.D. supply.
3. Temporarily make connection to tank supply shank, finger-tight. Mark at shut-off valve the tube length needed and add 1/4". (This will insert down into shut-off valve).
4. Remove supply tube and cut to length including the extra 1/4". Remove any burrs from inside the cut end. Slip compression nut and ring (ferrule) onto the shut-off valve end of the tubing.
5. Connect supply tube to supply shank once more and finger-tighten. Tubing may be pushed up into tank supply to allow the extra 1/4" to be inserted into shut-off valve.
6. Tighten both the coupling nut at the tank and the compression nut at the shut-off valve. Make sure float valve does not rotate while tightening the coupling nut.
7. Turn on water supply and shut-off valve. Check for leaks. An additional tightening adjustment on leaking connections normally will stop the leak.



ADJUSTMENTS

1. Before making any adjustments, be sure that the refill tube is properly inserted into the overflow pipe on the flush valve to provide full water seal in the bowl.
2. Turn the water level adjustment screw clockwise to raise or counter-clockwise to lower the water level to the water-line mark on the tank or flushvalve.



FLUSH VALVE ADJUSTMENT

FLAPPER ADJUSTMENT

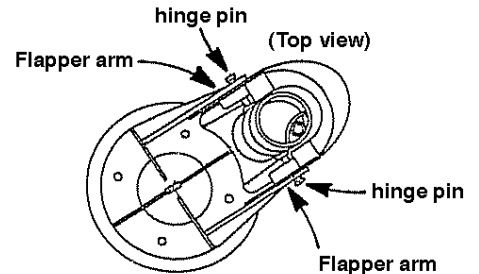
The length of the chain that connects the lever arm to the flapper may need to be adjusted. (Move the hook to another link.)
 A) TOO MUCH SLACK may not permit the flapper to lift far enough to properly activate the flush valve.
 B) NOT ENOUGH SLACK in the chain may keep the flapper from closing properly.

TO REMOVE FLAPPER

1. Remove the beaded chain from the holding slot on the hook or remove the hook itself from the lever arm.
2. Place finger tips under the flapper arms near the hinge pins and pull firmly upward to loosen. It may be easier to loosen each arm separately.
3. The flapper can now be lifted and removed.

TO REMOVE FLUSH VALVE

4. To remove flush valve, loosen the screws visible once the flapper has been removed.



TROUBLESHOOTING: FLOAT VALVE DOES NOT FULLY SHUT OFF

- Flapper may be defective or warped.
- Parts in top of float valve may be worn.
- Flapper may not be closing completely due to obstruction or too tight a chain. (See Adjustments)
- Water level may be too high. (See Adjustments)

CARE & CLEANING

IMPORTANT! USE OF ANY TOILET CLEANERS THAT ARE APPLIED IN THE TOILET TANK VOID THE WARRANTY FOR ELJER TOILETS. In-tank cleaners can damage the rubber, metal and/or plastic components of tank parts causing leaks and hindering toilet performance.

Everyday cleaning of Eljer china products may be accomplished by using an antibacterial liquid dishwashing soap and water. For stubborn stains, use AJAX® or Comet® sparingly. Read and follow all label directions. In all cases, rinse thoroughly with plenty of water and dry the fixture. In areas with hard water, a buildup of mineral deposits or lime may make the finish of the product appear dull. To remove lime buildup on vitreous china products, KRC-7® liquid cleaner may be used. Read and follow all label directions. In all cases, rinse thoroughly with plenty of water and dry the fixture.

To clean bowls, use TOILET BOWL CLEANERS THAT ARE APPLIED TO THE TOILET BOWL and a nylon brush when necessary. Use of a metal brush will create metal marks in the bowl.

REPAIR PARTS

To obtain repair parts, contact Eljer Customer Service at 1-800-42ELJER (1-800-423-5537) or www.eljer.com.



LIMITED WARRANTY

ELJER, INC. ("Eljer", "we", "us", "our") warrants to the original consumer/purchaser that the products covered below are free from defects in material and workmanship limited by time, remedy and the disclaimers indicated below.

PRODUCTS

WARRANTY PERIOD

(commences upon date purchased for its intended purpose)

<ul style="list-style-type: none"> All cast iron products with porcelain enamel finish EnduroCAST® products 	Limited lifetime for products purchased after April 30, 1994, to the original consumer/purchaser only, except that (a) porcelain enamel finish of all cast iron products and (b) all bathing vessels, slip resistant, Perma-Mat finish are covered for one (1) year after the product's original purchase date.
<ul style="list-style-type: none"> Polished Brass and Chrome finish on faucets (other than non-metallic) 	Limited lifetime for products purchased after March 1, 2001, to the original consumer/purchaser only, in residential applications.
<ul style="list-style-type: none"> All Vitreous China products in residential installations 	Limited lifetime for products purchased after January 1, 2000, to the original consumer/purchaser only, except that (a) component parts (including, but not limited to: the ballcock, flapper flush valve, pressure vessel, tank handle, float rod and float ball, tank bolts) are covered for one (1) year after the product's original purchase date.
<ul style="list-style-type: none"> Control cartridge(s) of all single control and two handle washerless faucets 	Limited lifetime as to no leak, no drip to the original consumer/ purchaser only, in residential applications.
<ul style="list-style-type: none"> Quorum solid surface products 	Ten (10) years
<ul style="list-style-type: none"> Enameled steel plumbing products All Vitreous China products in commercial installations Finish on faucets and accessories, other than polished brass, polished chrome or gold Premiere Series acrylic whirlpool baths, including motors/pumps 	Two (2) years
<ul style="list-style-type: none"> Contractor Series acrylic whirlpool and soaking baths, including motors/pumps All toilet seats Gold finish on fittings (faucets) and accessories Faucet performance and finish in industrial, commercial or business use Hand-forged and precious metal fixtures 	One (1) year

IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED ALTOGETHER, OR TO THE FULL EXTENT PERMITTED BY LAW.

This limited warranty does not cover:

- damage to the finish of fittings or accessories caused by the use of cleaning solvents/chemicals or improper cleaning methods.
- damage to any products based on or resulting from installation or repair, misuse or abuse (including, but not limited to excessive operating conditions), or alteration or adjustment, whether performed by a contractor, service company or yourself.
- damage resulting from failing to reasonably clean, care for or maintain a product.
- any products we sell that have been moved or removed from their original installation site.
- damage resulting from the use of chloramines, excessive concentrations of chlorine in public water supplies or the use of tank type cleaners.
- damage to solid surface products caused by prolonged exposure to, or direct contact with cooking accessories in excess of 350° F.

If you believe that a product fails to meet the above limited warranty, you must notify us at 1-800-898-4048 (selection #3) prior to expiration of the applicable warranty period set forth above. Notification should include a description of the product, model number and how the product fails to meet the above warranty. Upon receipt of your claim under this limited warranty and evidence of the date of purchase, and after inspection by an authorized Eljer representative, at our option and in our sole discretion, we will either repair or replace the product with an Eljer product of the same or similar type and size; provided, however, that we will not pay any costs (labor or otherwise) associated with either removing a previously installed product, installing a replacement product, or transportation or return of a product. If, as determined by Eljer, repair or replacement of the product is not commercially practical or cannot be completed in a timely manner, we will refund the actual purchase price paid for the product upon verification by providing a copy of your invoice, receipt or bill of sale. The total Eljer liability will never exceed the actual purchase price paid for the product. NOTE: There could be variation in color between catalog images, color chips, and actual plumbing fixtures. These images and color chips should never be used as a basis for color confirmation, as they are provided only as approximate representatives of colors to be used in a general way to establish the color decor desired.

ELJER WILL NOT BE LIABLE FOR ANY OTHER LOSS OR EXPENSE(S) NOT SPECIFICALLY DESCRIBED ABOVE, AND DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE 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.