

Geberit Tessera™ Toilet System

INSTALLATION INSTRUCTIONS

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Notice to Installers

Please leave this manual with the facility manager after completing the Tessera™ Toilet System Installation. This document contains information necessary for routine maintenance and servicing.

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FAUCETS** 

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Geberit Tessera™ Toilet System

Installation & Maintenance Instructions



PRODUCT OVERVIEW

The Tessera™ in-wall Toilet System uses siphonic action to get the job done cleanly and efficiently with only 1.6 gallons per flush. The high density polyethylene tank is well insulated to prevent condensation. The in-wall installation system has three key advantages. First, the flush tank is in the wall which minimizes noise levels. Second, the wall-hung bowl saves up to 9" of space compared to floor-mounted models. Finally, the toilet base is eliminated making cleaning underneath quick and easy. The concealed tank and carrier ship as a single unit, a fully factory assembled fixture, ready for fast and easy installation.

The Tessera™ in-wall Toilet System consists of:

- Tank & Carrier 111.336.00.1
- Wall Hung Bowl 111.870.XX.1
- Flush Actuator Plate 111.760.XX.1
- Closed Front Toilet Seat 113.050.XX.1

FEATURES

- Steel, powder-coated carrier
- Die-cast zinc actuator:
Dim. 9-5/8" (245 mm) wide; 6-1/2" (165 mm) high
- 3" DWV discharge connection
- Carrier adjustable range from 15"-19" (381-483 mm) bowl height
- Water consumption 1.6 GPF / 6 LPF
- Easy cleaning of surrounding areas
- Tank insulated to prevent condensation

IN COMPLIANCE WITH

- ASME 112.19.2
- ASME 112.6.2
- CSA B125
- ASSE 1002



AVAILABLE OPTIONS

- White wall-hung bowl 111.870.DY.1
- Bone wall-hung bowl 111.870.AA.1
- Biscuit wall-hung bowl 111.870.FF.1
- White closed front seat 113.050.DY.1
- Bone closed front seat 113.050.AA.1
- Biscuit closed front seat 113.050.FF.1
- Tile cushion pad 156.055.00.1
- Remote Flush Actuator 115.941.XX.1
- Access panel (drywall) 115.767.11.1
- Access panel kit (tile/marble) 461.043.00.1

HOW TO ORDER

Contact your local Geberit dealer or visit our website for more information at www.us.geberit.com

TECHNICAL SUPPORT

For additional technical assistance call 1-800-832-8783 or 1-800-225-7217, or visit our website at www.us.geberit.com

PRODUCT SPECIFICATION

- The 2 bolt bowl complies with ASME A112.19.2 Vitreous China Plumbing Fixture Standard.
- The carrier has an adjustable height to accommodate 15"-19" (381-483 mm) rim height, per ADA.
- The unit uses 1.6 GPF / 6 LPF.
- Flush actuator plates are die-cast zinc and plated to preserve the material's integrity.
- Actuators are available in a wide variety of finishes.

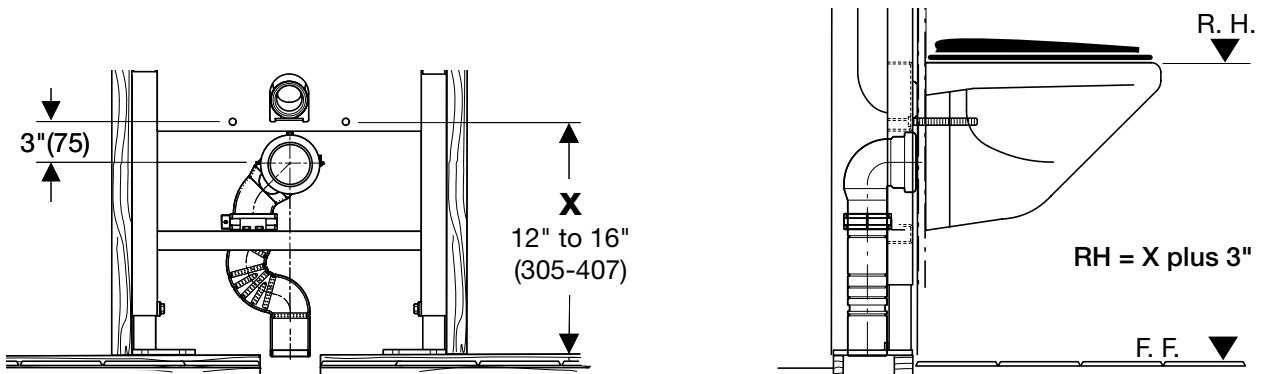
INSTALLATION REQUIREMENTS

- Tank and carrier system shall be placed within standard 2"x6" (minimum) wall studs (wood or metal) placed with 19 3/4" (500 mm) clearance.
- For use on Installations with vertical discharge only. DO NOT CUT DISCHARGE PIPE.
- 3" DWV vertical waste line connection.
- Water supply shall be 1/2" copper, recommended water pressure from 25 PSI to 90 PSI.
- Materials suitable for wall construction include Gypsum-green board, cement board, or tile backer board. Wall thickness not to exceed 2".
- When installing remote actuator, use of access panel kit (461.043.00.1 or 115.767.11.1) is recommended.
- When mounting bowl on tile or marble, use of a tile cushion pad (156.055.00.1) is recommended.
- All installations must conform to local and national plumbing, building and fire codes.

- Actuators available in a variety of finishes:
 - Polished Chrome .21
 - Satin Chrome .GH
 - PVD Polished Brass .GG
 - Satin Brass .CH
 - PVD Polished Nickel .IB
 - PVD Brushed Nickel .ID
 - Pewter .98
 - PVD Oil Rubbed Bronze .HM
 - Polished Brass/Chrome .GL
 - White .11
 - Biscuit .FF
 - Bone .AA

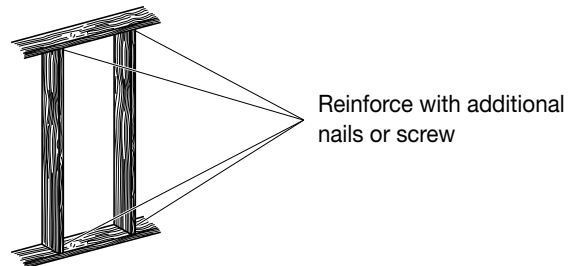
TANK & CARRIER INSTALLATION

- 1** **IMPORTANT!** The finished Rim Height (RH) for the bowl must be determined *prior to* installing the carrier. Please take into account the seat height for final height dimensions.
NOTE: When determining *X* include the dimension for the finished floor covering.

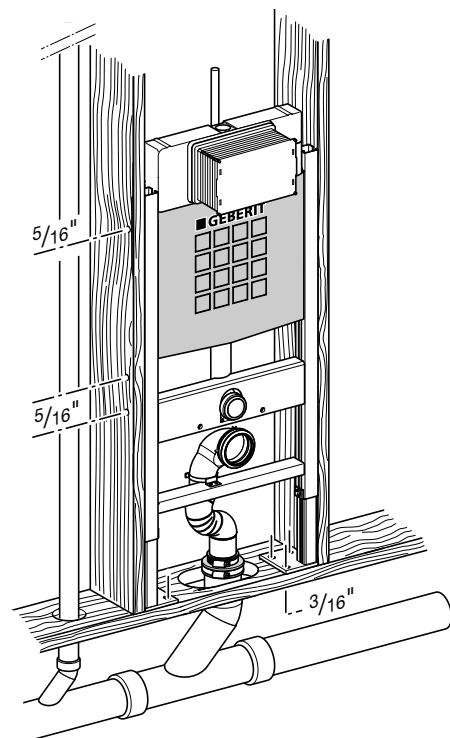


- 2** The 2 x 6 framework must be secured firmly to the floor and ceiling for proper installation. Locate the supporting studs and reinforce with additional nails or screws.

Make sure rough opening(s) are properly plumbed and square.



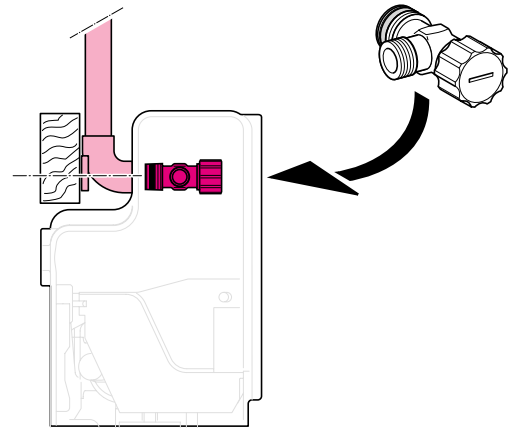
- 3**
1. Ensure that the carrier has been set to RH specification.
 2. Cut opening through sole plate and floor to clear passage for discharge fitting at required location.
 3. Place the carrier assembly in the prepared opening.
 4. **THE CARRIER FRAME MUST BE FLUSH WITH THE FRONT OF THE SUPPORTING STUDS** to provide maximum support for the wall surface material (applied later).
 5. Mark the 6 anchor hole locations on the sole plate and the 6 bolt hole location (3 each side) on the studs.
 6. Remove the carrier assembly from the studs.
 7. Drill six (6) 3/16" pilot holes into the sole plate, drill six (6) 5/16" bolt holes into the studs where marked.
 8. Install tank & carrier unit into the frame work and secure with hardware as provided.
 9. Connect discharge fitting to 3" DWV drain pipe in vertically position with coupling and stainless hose clamps as provided. (DO NOT CUT OR MODIFY DISCHARGE FITTING) Any modification to the discharge fitting will result in loss of bowl siphon.



TANK & CARRIER INSTALLATION

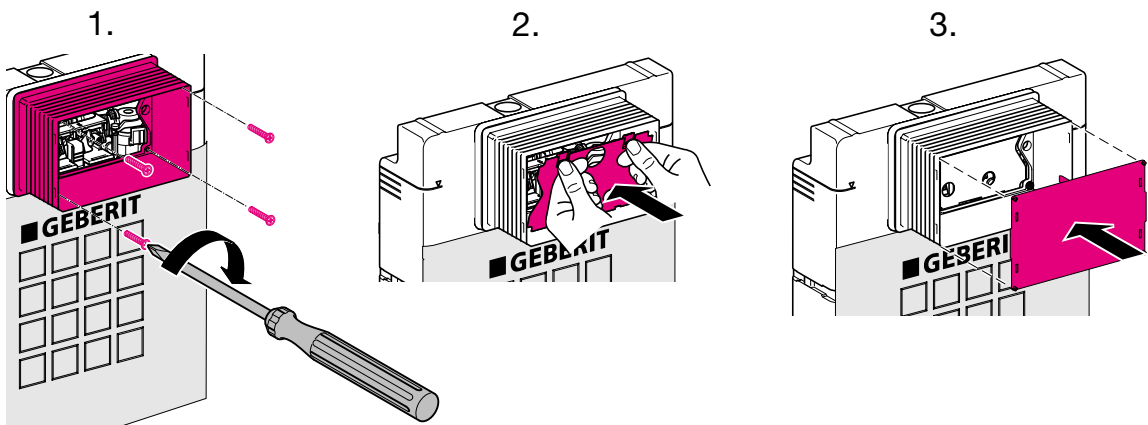
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1. Water supply specification, 1/2" copper - supply pressure 25 - 90 PSI.
2. Extend drop ear elbow supply side with 1/2" x 6" copper nipple, secure elbow to cross brace (2" x 4" x 19³/₄") and install in back of the tank reset section.
3. Remove tank door, install 1/2" NPT shut off valve through tank opening. Keep valve in shut off position, do not connect fill valve supply hose until the installation is completet.



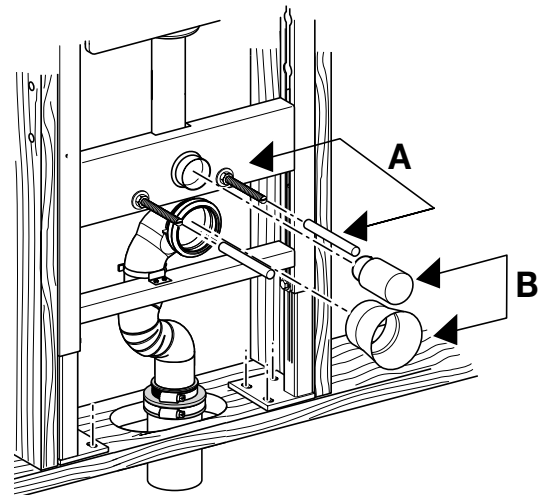
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1. Attach and secure mud guard onto tank access window.
2. Install tank access cover plate (snap in).
3. Install blue mud guard cover (snap on).



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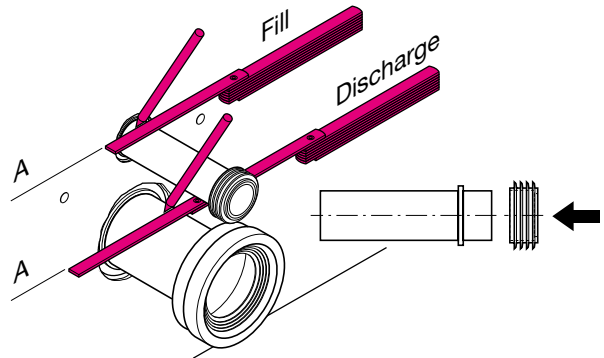
1. Install two (2) 1/2" x 6" threaded rods A (supplied) into the tank & carrier frame extending approximately 4" from frame.
2. Install protective clear plastic sleeves (provided) on to threaded fixture rods.
3. Install protective pipe plugs B (provided) in the opening of the flush pipe and discharge fitting.



WALL HUNG BOWL INSTALLATION

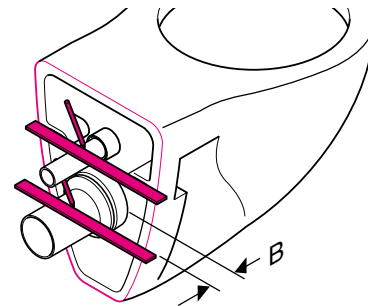
1

1. Remove the plugs from the fill and discharge openings of tank & carrier assembly.
2. Install the bowl inlet adapter and discharge adapter fully into their respective opening.
3. Assemble the gaskets onto the inlet adapter and discharge adapter.
4. Place a straight edge flush against the wall and across the fill pipe and mark dimension A. Repeat for discharge adapter.
5. Remove inlet and discharge adapters from tank & carrier assembly.



2

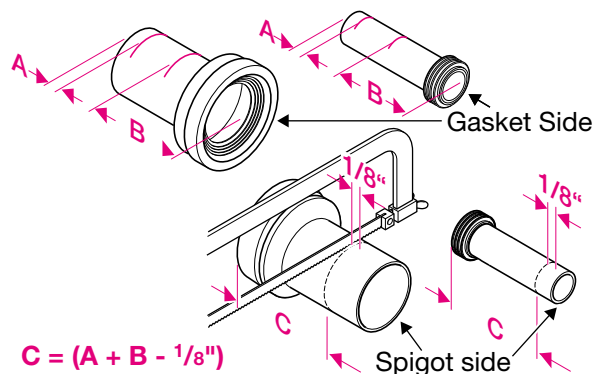
1. Install the inlet and discharge adapters, with gaskets, fully into the bowl.
2. Measure and mark dimension B on both pipes.
3. Remove pipes and gaskets from bowl.



Measure from edge of bowl

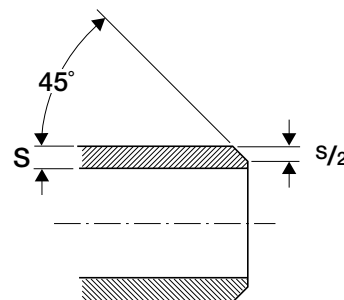
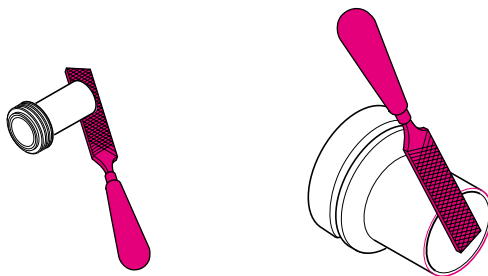
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1. Add dimensions A and B, then subtract 1/8" to get dimension C.
2. Use the C dimension and mark a line on each pipe, measuring from the gasket side.
3. Cut off the excess on the spigot side of each pipe.



4

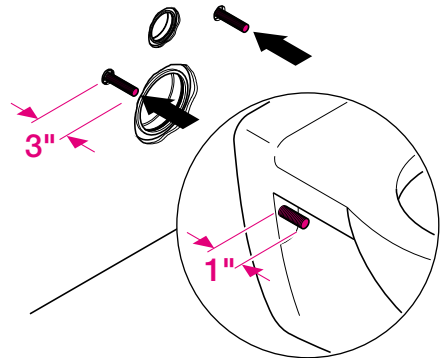
Bevel the rough and sharp edges to prevent damage to the seal rings in the wall spigot's.



WALL HUNG BOWL INSTALLATION

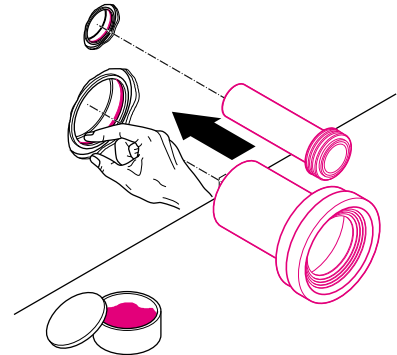
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1. Remove clear plastic sleeves from threaded rods.
2. Adjust rods to protrude 3" from finished wall surface.
3. Secure rods to carrier frame using hex nuts (provided).



6

1. Lubricate rubber seals with lubricant provided. **Do not use plumbers putty or Silicone sealant.**
2. Install both adapters into appropriate wall side hub.

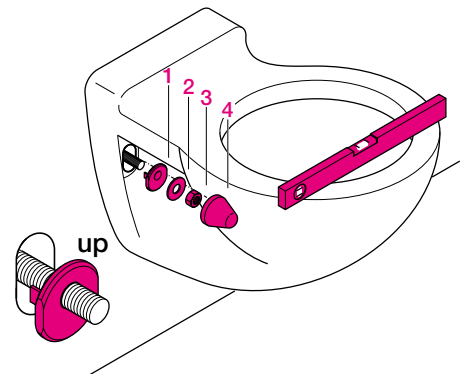


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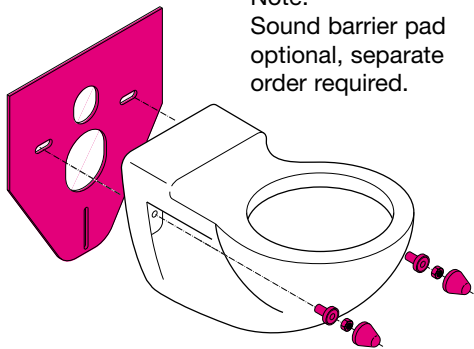
1. Place the bowl onto the fixture rods.
2. Install cap retainers (1), washers (2) and nuts (3). Secure bowl with nuts, handtight only.

Note: Cap retainers (1) should be installed with the larger end facing up.

3. Level the bowl, then tighten nuts. **DO NOT OVERTIGHTEN NUTS.**
4. Snap caps over cap retainers (4).

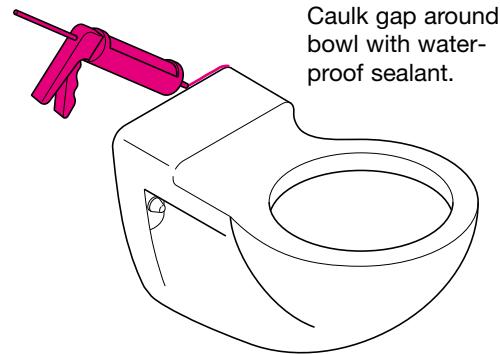


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Note:
Sound barrier pad optional, separate order required.

9



Caulk gap around bowl with water-proof sealant.

ACCESS PANEL-FLUSH ACTUATOR INSTALLATION

1

1. Remove mud guard cover.
2. Trim off excess material to be flush with wall.
3. Discard cover and excess material.

2

Lift out cover plate.

3

1. Purge supply line, connect braided hose to stop valve.
2. Insert refill tube into overflow funnel and fill tank with water.
3. Flush tank and observe refilling, Tank water level WL must be 3/4" below over flow level OFL.

4

1. Adjust fill valve if needed (factory set)

5

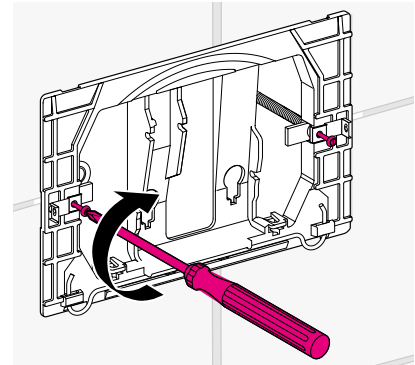
1. Reset cover plate in tank opening interlock with two (2) bracket slots on bottom
2. Snap in place on top.

6

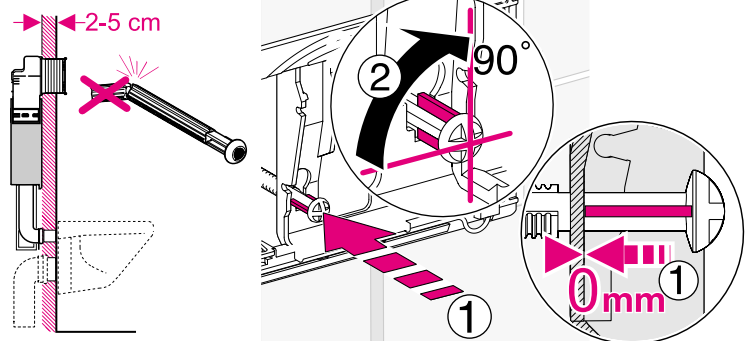
1. Install two (2) threaded lock pins (part of actuator assembly).
2. Adjust lock pin length to be flush with finished wall, turn to lock in place.

ACCESS PANEL-FLUSH ACTUATOR INSTALLATION

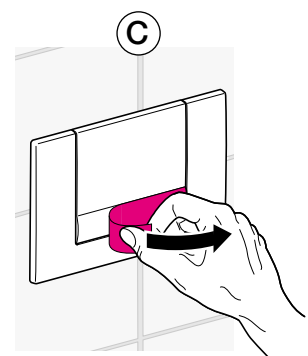
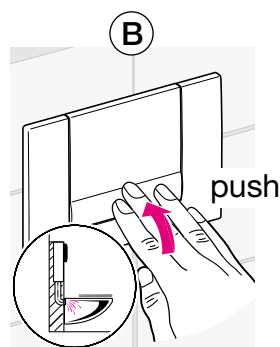
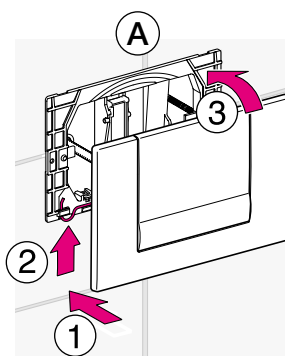
- 7**
1. Place actuator frame onto front of box with spring at the bottom facing outward.
 2. Secure frame onto lock pins with two (2) self-tapping screws provided.



- 8**
1. Insert actuator push rod into rocker bushing so that taps are in contact with the actuator frame surface.
 2. Install rod and turn clockwise to lock it into the bushing.



- 9**
1. To complete the installation attach the actuator plate on to spring at lower side push up and snap the upper edge onto frame.
 2. Secure actuator plate to frame, test for function.
 3. Remove protective foil.



Geberit Tessera™ Toilet System

Installation & Maintenance Instructions



PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
WATER CONTINUES TO RUN INTO THE BOWL AFTER FLUSH CYCLE IS COMPLETE	Flush valve is not seated properly.	Remove actuator or access panel to reach flush valve. Pull out flush valve check seat gasket for proper attachment. Reinstall valve test for function.
	The water level is too high in the tank. Water overflows into overflow tube.	Remove actuator or access panel. Turn fill valve adjustment rod counter clockwise to lower water level in tank.
	Water is spraying from top of fill valve from refill tube.	Remove actuator or access panel. Replace fill valve.
UNCOMPLETED FLUSH CYCLE	Actuator rod is improperly installed.	Remove actuator plate reset actuator rod following directions on page 9 position 8.
WASTE IS NOT REMOVED FROM BOWL	Water in tank is less than 1.6 GAL - 6.0 LTR.	Remove actuator or access panel. Turn fill valve adjustment rod clockwise to increase water level in tank.
	Bowl trap way or drain line is clogged.	Plunge toilet bowl, if no result, use snake as needed.
BOWL IS BECOMING LOOSE	Hex nuts are not tightened appropriately.	Remove bolt caps, tighten hex nuts that bowl is firmly attached to wall.
	Improper wall surface used to mount bowl. Gypsum-green board, cement board, tile backer board or ceramic tile surface are recommended materials for mounting.	Dismount bowl, rebuild wall with material as recommended. PREVENT ANY SPACE BETWEEN CARRIER FRONT AND WALL MATERIAL
REMOTE ACTUATOR UNCOMPLETED FLUSH CYCLE	- Excess length of air tube used in installation; tube is too long to allow sufficient air to reach from push button to lifter assembly.	Remove tank access cover, turn off water supply stop and flush tank. Check for and adjust excess tubing.
	- Air tube is kinked or pinched. - Air tube connections loose.	- Remove kinks in air tubing - Reset air tube connections
	- Lifter assembly is misaligned - Lifter assembly does not sufficiently move when actuator is pushed.	- Remove lifter assembly from flush valve and replace as whole.

CHICAGO FAUCETS WARRANTY / GEBERIT BRAND PRODUCT

Geberit Tessera™ Toilet System

Chicago Faucets will either replace or repair the defective equipment or refund the purchase price, at its option, if an inspection by Chicago Faucets or its authorized representative discloses any manufacturing defects in material or workmanship during this period. Chicago Faucets will not be liable for any labor or other expenses not specifically stated above, and disclaims any responsibility for incidental or consequential damages. Warranties implied by law, including that of merchantability, are expressly limited to the period of this warranty. This limitation and exclusion does not apply in those states that do not allow limitations on the duration of implied warranties. Or the exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.



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