

TOTO ST446EMA#01

TOTO ST446EMA#01 AQUIA IV Dual Flush Toilet Tank

USER INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your TOTO ST446EMA#01 AQUIA IV Dual Flush Toilet Tank. This tank is designed to pair specifically with compatible TOTO AQUIA IV toilet bowls. Please read these instructions thoroughly before beginning installation or use to ensure safe and efficient operation.



Image 1.1: The TOTO ST446EMA#01 AQUIA IV Dual Flush Toilet Tank, shown in Cotton finish. This image displays the exterior of the tank, featuring its clean lines and the dual flush button mechanism on the top lid.

2. Safety Information

- Always turn off the main water supply to the toilet before attempting any installation, maintenance, or repair.
- Handle ceramic components with care. Porcelain can be heavy and brittle; improper handling may result in breakage or injury.

- It is recommended that installation be performed by a qualified plumber or professional to ensure proper function and prevent water damage.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Do not use harsh chemicals or abrasive cleaners on any part of the toilet tank, as this may damage the finish or internal components.

3. Package Contents

Verify that all components are present and undamaged before beginning installation. The package for the TOTO ST446EMA#01 AQUIA IV Dual Flush Tank should include:

- TOTO ST446EMA#01 AQUIA IV Dual Flush Tank (Cotton finish)
- Internal flushing mechanism (pre-installed or separate)
- Tank-to-bowl bolts and washers
- Tank lid with dual flush buttons

Note: The toilet bowl, wax ring, and water supply line are typically sold separately and are not included with the tank.

4. Setup and Installation

This section outlines the general steps for installing the TOTO ST446EMA#01 tank onto a compatible AQUIA IV toilet bowl. Refer to the specific installation guide provided with your toilet bowl for detailed instructions.

1. **Prepare the Toilet Bowl:** Ensure the toilet bowl is securely installed to the floor and the wax ring is properly seated over the drain flange.
2. **Attach Tank-to-Bowl Gasket:** Place the large rubber gasket (spud washer) onto the threaded outlet at the bottom of the tank. Ensure it is seated correctly for a watertight seal.
3. **Position the Tank:** Carefully lift the tank and align the tank-to-bowl bolts with the holes on the back of the toilet bowl. Lower the tank onto the bowl, ensuring the gasket compresses evenly.
4. **Secure the Tank:** From underneath the toilet bowl, slide washers onto the tank-to-bowl bolts and hand-tighten the nuts. Alternate tightening each nut a quarter turn at a time to ensure even pressure and prevent cracking the porcelain. Do not overtighten.
5. **Connect Water Supply:** Connect the flexible water supply line from the shut-off valve to the fill valve inlet at the bottom of the tank. Hand-tighten, then use a wrench for a final quarter-turn. Do not overtighten.
6. **Restore Water Supply:** Slowly turn on the main water supply valve. Check for leaks at all connections. Allow the tank to fill.
7. **Test Flush:** Perform a test flush to ensure proper operation and check for any leaks.
8. **Install Tank Lid:** Place the tank lid, with the dual flush buttons, securely on top of the tank.

5. Operating Instructions

The TOTO AQUIA IV Dual Flush Tank features a water-saving dual flush mechanism. The two buttons on the tank lid correspond to different flush volumes:

- **Small Button (Partial Flush):** Press the smaller button for a reduced water volume flush, ideal for liquid waste. This conserves water.
- **Large Button (Full Flush):** Press the larger button for a full water volume flush, designed for solid waste.

Ensure the buttons are pressed firmly and released completely after each flush to allow the mechanism to reset properly.

6. Maintenance

Regular cleaning and periodic inspection will help maintain the performance and appearance of your toilet tank.

6.1. Cleaning the Exterior

- Use a soft cloth or sponge with mild, non-abrasive soap and water.
- Wipe down the exterior surfaces of the tank and the tank lid.
- Rinse thoroughly with clean water and dry with a soft cloth to prevent water spots.
- Avoid using abrasive cleaners, scouring pads, or chemical solvents, as these can damage the vitreous china finish.

6.2. Internal Component Inspection

- Periodically remove the tank lid and inspect the internal components (fill valve, flush valve, flapper/seal).
- Check for any signs of wear, corrosion, or mineral buildup.
- Ensure the flapper or flush valve seal is clean and seating properly to prevent leaks.
- Do not place chemical toilet bowl cleaners or tablets directly into the tank, as they can damage rubber and plastic components, voiding the warranty.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed or if solutions do not resolve the issue, contact a qualified plumber or TOTO customer support.

Problem	Possible Cause	Solution
Water runs continuously	Flapper/flush valve not sealing; fill valve malfunction; flush buttons stuck.	Check flapper/flush valve for obstructions or wear. Adjust fill valve water level. Ensure flush buttons move freely.
Weak or incomplete flush	Low water level in tank; partial obstruction in bowl or trapway.	Adjust fill valve to raise water level. Clear any obstructions in the bowl or trapway (refer to bowl manual).
Tank leaks at base	Loose tank-to-bowl bolts; damaged spud washer.	Carefully tighten tank-to-bowl bolts evenly. Inspect and replace spud washer if damaged.
Tank leaks at water supply connection	Loose connection; worn supply line washer.	Tighten water supply line connection. Replace the washer in the supply line if necessary.

Problem	Possible Cause	Solution
---------	----------------	----------

8. Specifications

The following are the technical specifications for the TOTO ST446EMA#01 AQUIA IV Dual Flush Toilet Tank:

Feature	Detail
Model Number	ST446EMA#01
Brand	TOTO
Color	Cotton
Material	Vitreous China
Product Dimensions (D x W x H)	16.13" x 14.5" x 14.5"
Item Weight	27.4 Pounds
Installation Type	Floor Mounted (tank to bowl)
Shape	Rectangular
UPC	739268363137
Included Components	AQUIA IV Dual Flush Tank with A. Flush Compatible - Cotton

9. Warranty and Support

TOTO products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty details, registration, or to obtain technical support, please refer to the warranty card included with your product or visit the official TOTO website. When contacting support, please have your model number (ST446EMA#01) and proof of purchase readily available.