TOTO ST786EA

TOTO Drake Transitional Toilet Tank ST786EA User Manual

Model: ST786EA

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your TOTO Drake Transitional 1.28 GPF Toilet Tank, Model ST786EA. This tank is designed for use with compatible TOTO Drake toilet bowls and features WASHLET+ Auto Flush compatibility. Please read this manual thoroughly before beginning installation or use to ensure proper function and longevity of your product.

The TOTO Drake tank is engineered for efficient flushing with a 1.28 gallons per flush (GPF) rate, meeting EPA WaterSense®, California's CEC, and CALGreen requirements. It is designed to work with TOTO's TORNADO FLUSH® system, which provides a powerful, rimless, and hole-free bowl wash.

2. Safety Information

- Always shut off the main water supply before attempting any installation or maintenance.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Handle ceramic components with care to prevent chipping or breakage.
- If you are unsure about any step of the installation process, consult a qualified plumber.
- Ensure all connections are secure and leak-free before restoring water supply.

3. Package Contents

Verify that all components are present before beginning installation:

- TOTO Drake Transitional Toilet Tank (ST786EA)
- Tank-to-bowl gasket
- Tank-to-bowl hardware

- Toilet bolt caps
- Left-hand chrome trip lever (pre-installed)

Items NOT Included (Purchased Separately):

- Compatible TOTO Drake toilet bowl
- Wax ring or other bowl-to-floor seal
- Toilet mounting bolts
- Water supply lines
- Toilet seat (SoftClose or WASHLET bidet seat recommended)

4. Setup and Installation

This section outlines the general steps for installing the toilet tank. Refer to the specific installation guide provided with your compatible TOTO Drake toilet bowl for complete instructions.

4.1 Pre-Installation

- Ensure you have a compatible TOTO Drake toilet bowl.
- Gather all necessary tools (e.g., adjustable wrench, screwdriver, level).
- Shut off the water supply to the toilet area.
- Remove any existing toilet components if replacing an old unit.

4.2 Tank Installation Steps

1. **Prepare the Bowl:** If installing a new bowl, secure it to the floor flange using a wax ring and toilet mounting bolts (not included). Ensure the bowl is level and stable.
2. **Attach Gasket:** Place the tank-to-bowl gasket onto the flush valve opening at the bottom of the toilet tank. Ensure it is seated correctly.
3. **Position Tank:** Carefully align the tank over the bolt holes on the back of the toilet bowl. Lower the tank onto the bowl, ensuring the gasket forms a seal and the bolts pass through the tank.
4. **Secure Tank:** From underneath the bowl, hand-tighten the tank-to-bowl hardware (washers and nuts) onto the bolts. Alternate tightening each nut gradually to ensure even pressure and prevent cracking the ceramic. Do not overtighten.
5. **Connect Water Supply:** Connect the water supply line (not included) from the shut-off valve to the fill valve inlet on the bottom of the tank. Hand-tighten, then use a wrench for a final quarter-turn. Do not overtighten.
6. **Restore Water:** Slowly turn on the water supply valve. Check all connections for leaks. Allow the tank to fill.
7. **Test Flush:** Flush the toilet several times to ensure proper operation and check for any leaks.
8. **Install Bolt Caps:** Place the decorative bolt caps over the tank-to-bowl hardware.



Image: TOTO Drake Toilet Tank showing approximate dimensions (13" H x 18" W x 8" D).

4.3 WASHLET+ Auto Flush Compatibility

This tank is designed for compatibility with TOTO WASHLET+ bidet seats that feature auto-flush functionality. When paired with a compatible WASHLET+ unit, the toilet can automatically flush after use. Refer to your WASHLET+ installation guide for specific connection and setup instructions.

5. Operating Instructions

The TOTO Drake Transitional Toilet Tank operates with a standard left-hand chrome trip lever. To flush the toilet, simply press down on the trip lever. The 1.28 GPF TORNADO FLUSH system will activate, efficiently cleaning the bowl.





Image: Front view of the TOTO Drake Toilet Tank in Cotton White, featuring the chrome trip lever on the left side.

6. Maintenance

6.1 Cleaning

- Clean the exterior of the tank with a soft cloth and mild, non-abrasive cleaner.
- Avoid using harsh chemicals, abrasive pads, or cleaners containing bleach, as these can damage the finish.
- For internal tank cleaning, use a toilet bowl cleaner designed for in-tank use, following the product's instructions.

6.2 Leak Checks

- Periodically inspect the tank-to-bowl connection and water supply line for any signs of leaks.
- If a leak is detected, shut off the water supply immediately and tighten connections or replace worn components as necessary.

6.3 Internal Components

- The internal fill valve and flush valve mechanisms are designed for durability. If issues arise, consult the troubleshooting section or contact TOTO support.
- Avoid using in-tank drop-in cleaners that contain harsh chemicals, as they can damage rubber and plastic components, voiding your warranty.

7. Troubleshooting

This section addresses common issues you might encounter with your toilet tank.

Problem	Possible Cause	Solution
Toilet runs continuously	Flapper not sealing, fill valve out of adjustment, or float ball interference.	Check flapper for debris or wear. Adjust fill valve water level. Ensure float ball moves freely.
Weak flush	Low water level in tank, clogged rim jets (on bowl), or partially closed water supply valve.	Adjust fill valve to increase water level. Clean rim jets (refer to bowl manual). Fully open water supply valve.
Tank leaks at base	Loose tank-to-bowl bolts, worn tank-to-bowl gasket, or cracked ceramic.	Tighten tank-to-bowl bolts evenly (do not overtighten). Replace gasket if worn. If ceramic is cracked, replacement may be necessary.
Tank does not fill	Water supply valve closed, clogged fill valve, or kinked supply line.	Open water supply valve. Inspect fill valve for obstructions. Straighten supply line.

8. Specifications

- **Model Number:** ST786EA#01
- **Color:** Cotton White
- **Material:** Ceramic
- **Product Dimensions (Approximate):** 8"D x 18"W x 13"H
- **Item Weight:** 34 Pounds
- **Flush Volume:** 1.28 Gallons Per Flush (GPF)

- **Installation Type:** Floor Mounted (tank mounts to compatible bowl)
- **Compatibility:** Designed for TOTO Drake bowls, WASHLET+ Auto Flush compatible
- **Certifications:** EPA WaterSense®, CEC, CALGreen compliant
- **Included Components:** Toilet Tank, Tank-to-Bowl Gasket, Tank-to-Bowl Hardware, Toilet Bolt Caps

9. Warranty and Support

TOTO products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official TOTO website. For technical assistance, replacement parts, or further inquiries, please contact TOTO Customer Service:

- **Website:** www.totousa.com
- **Phone:** Refer to the TOTO website for current contact numbers.

When contacting support, please have your product model number (ST786EA) and date of purchase available.

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