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Thetford 34120

Thetford 34120 Waste Ball Seal Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation and maintenance of the Thetford 34120 Waste Ball Seal. This product is designed to restore the sealing function of your RV toilet's waste ball, preventing leaks and odors. Please read these instructions carefully before proceeding with installation.

COMPATIBILITY

The Thetford 34120 Waste Ball Seal is compatible with the following Thetford toilet models:

- Aqua Magic Style Plus
- Aqua Magic Style Lite
- Aqua Magic Style II
- Aqua Magic Residence

WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- 1 x Waste Ball Seal
- 1 x Base Gasket
- 4 x Nylon Washers
- 1 x Instruction Sheet (this manual)

SAFETY INFORMATION

Always exercise caution when working with plumbing. Ensure the RV's water supply is turned off and pressure is relieved before starting any work. Wear appropriate personal protective equipment, such as gloves, to maintain hygiene. Keep small parts away from children.

Proposition 65 Warning: This product may contain materials cautioned by California Proposition 65. For more information, consult the manufacturer's website.

INSTALLATION GUIDE

Follow these steps for a quick and easy installation of your new waste ball seal:

Tools Required:

- Basic hand tools (wrenches or sockets, screwdriver)
- Bucket or towels for water collection
- Cleaning supplies
- Silicone grease or petroleum jelly (optional, for lubrication)

Step-by-Step Installation:

1. Prepare the Toilet:

Turn off the water supply to the RV toilet. Flush the toilet to relieve any remaining water pressure and drain the bowl. Use a sponge or towel to remove any standing water from the bowl.

2. Remove the Toilet from its Base:

Locate the bolts that secure the toilet bowl to its base. Depending on your model, there may be two or four bolts, or a combination of bolts and a twist-lock mechanism. Carefully unfasten these bolts and lift the upper portion of the toilet (the bowl) from the base. Be prepared for residual water to spill.



Image: The Thetford 34120 Waste Ball Seal. This image shows the new waste ball seal, which is a critical component for preventing leaks in your RV toilet.

3. Remove the Old Seal:

Once the bowl is separated, you will see the old waste ball seal. Carefully remove the old seal. Note its orientation for reference, though the new seal is designed for easy alignment.

4. **Clean the Sealing Area:**

Thoroughly clean the area where the seal sits on both the bowl and the base. Remove any debris, mineral deposits, or residue that could compromise the new seal's effectiveness.

5. **Install the New Waste Ball Seal:**

Place the new Thetford 34120 Waste Ball Seal into the designated groove. Ensure it is seated correctly and lies flat. Some users find applying a thin layer of silicone grease or petroleum jelly to the seal can aid in installation and prolong its life, improving the seal's flexibility and reducing friction.

6. **Reassemble the Toilet:**

Carefully lower the toilet bowl back onto the base, aligning it with the bolts. Ensure the new seal remains properly seated during this process. Secure the bolts firmly, but do not overtighten, as this can damage the toilet components.

7. **Install the Base Gasket (if removed):**

If you removed the base gasket (the seal between the toilet base and the floor), ensure it is properly positioned before securing the toilet to the floor flange. Use the provided nylon washers with the mounting bolts if applicable.

8. **Test for Leaks:**

Turn the water supply back on. Fill the toilet bowl with water and observe for any leaks around the waste ball seal and the base. Flush the toilet several times to ensure proper operation and sealing.

MAINTENANCE

To ensure the longevity and optimal performance of your Thetford Waste Ball Seal, consider the following maintenance tips:

- **Regular Cleaning:** Clean the toilet bowl and waste ball area regularly with non-abrasive, RV-safe toilet cleaners. Avoid harsh chemicals that can degrade rubber seals.
- **Lubrication:** Periodically apply a small amount of silicone grease or petroleum jelly to the waste ball seal. This helps keep the rubber pliable and maintains a tight seal, preventing drying and cracking.
- **Check for Debris:** Ensure no foreign objects or excessive toilet paper accumulate around the waste ball, as this can prevent it from closing completely and lead to leaks.
- **Winterization:** During winterization, ensure the toilet system is properly drained and protected from freezing temperatures, which can damage seals.

TROUBLESHOOTING

If you experience issues after installing the new waste ball seal, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Toilet bowl does not hold water / Leaks	Seal not seated correctly Debris on the seal Seal is dry or damaged Waste ball not closing fully	Re-check seal alignment and re-install if necessary. Clean the seal and waste ball area thoroughly. Apply silicone grease or petroleum jelly to the seal. Inspect the waste ball mechanism for obstructions.
Odor from toilet	Waste ball seal not holding water Improper tank ventilation	Ensure the bowl holds water to create a water seal. Refer to "Toilet bowl does not hold water" solution. Check RV's black tank ventilation system.

SPECIFICATIONS

Feature	Detail
Model Number	34120
Brand	Thetford
Item Weight	3.52 ounces
Product Dimensions	10.2 x 7 x 1.5 inches
Manufacturer Part Number	34120
First Available Date	August 4, 2011

WARRANTY INFORMATION

Thetford products are manufactured to high-quality standards. For specific warranty details regarding the 34120 Waste Ball Seal, please refer to the official Thetford website or contact their customer support directly. Keep your proof of purchase for any warranty claims.

SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Thetford customer support. You can typically find contact information on the official Thetford website or on the product packaging.

Thetford Official Website: www.thetford.com