Jabsco 37010 Series

Jabsco Motor/Pump Assembly for 37010 Series Electric Toilets

User Manual

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Jabsco Motor/Pump Assembly, specifically designed for 37010 Series Electric Toilets. This assembly is a critical component for marine sanitation systems, ensuring efficient waste maceration and discharge. Please read these instructions thoroughly before installation and use to ensure safe and optimal performance.

2. Safety Information

WARNING: Failure to follow these safety instructions could result in personal injury, damage to the product, or property damage.

- Always disconnect power before installing, servicing, or performing any maintenance on the motor/pump assembly.
- Ensure all electrical connections are made by a qualified technician and comply with local and national electrical codes.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection during installation and maintenance.
- Do not operate the pump dry. Ensure there is liquid flow through the system to prevent damage to internal components.
- This product is designed for marine sanitation systems. Do not use it for purposes other than its intended application.
- Keep children and unauthorized personnel away from the installation area.

3. Package Contents

Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, contact your supplier immediately.

- Macerator Housing
- 12V Motor
- Centrifugal Impeller
- Flexible Impeller Slinger
- Gaskets
- Seals

- Screws
- O-rings



Image 1: Jabsco Motor/Pump Assembly. This image displays the complete motor/pump assembly, including the motor, macerator housing, and associated components.

4. Setup and Installation

Installation of the Jabsco Motor/Pump Assembly requires careful attention to detail and proper plumbing and electrical connections. It is highly recommended that installation be performed by a qualified marine technician.

4.1 Pre-Installation Checks

- Ensure the vessel's power supply is disconnected at the main breaker.
- Confirm that the existing toilet system is drained and clean.
- Gather all necessary tools and additional plumbing/electrical supplies.

4.2 Installation Steps (General)

1. **Remove Old Assembly:** Carefully disconnect and remove the existing motor/pump assembly from the 37010 Series Electric Toilet, ensuring all waste lines are properly sealed to prevent spills.
2. **Prepare New Assembly:** Inspect the new Jabsco Motor/Pump Assembly for any shipping damage. Ensure all gaskets and O-rings are correctly seated.
3. **Mount Assembly:** Securely attach the new motor/pump assembly to the toilet base using the provided screws and ensuring a watertight seal with new gaskets.
4. **Connect Plumbing:** Connect the inlet and outlet waste lines to the appropriate ports on the macerator housing. Use marine-grade hose clamps to ensure secure and leak-free connections.
5. **Electrical Connections:** Connect the 12V motor to the vessel's electrical system. Ensure correct polarity and use appropriate gauge wiring and fusing as per marine electrical standards. Refer to the toilet's original manual for specific wiring diagrams.
6. **Test System:** Once all connections are made, restore power and perform a functional test with clean water to check for leaks and proper operation.

5. Operating Instructions

The Jabsco Motor/Pump Assembly operates in conjunction with your 37010 Series Electric Toilet. Refer to your toilet's specific operating manual for detailed usage instructions. Generally, the pump activates to macerate waste and discharge it when the flush mechanism is engaged.

- Ensure the toilet bowl contains sufficient water before flushing to aid in maceration and prevent dry running.
- Avoid flushing foreign objects (e.g., sanitary products, paper towels, harsh chemicals) that can damage the macerator or pump.
- Listen for unusual noises during operation, which may indicate a blockage or mechanical issue.

6. Maintenance

Regular maintenance ensures the longevity and reliable performance of your Jabsco Motor/Pump Assembly.

- **Seasonal Lay-up:** Before winterization or extended periods of non-use, flush the system with fresh water and then with a non-toxic antifreeze solution suitable for marine sanitation systems.
- **Impeller Inspection:** Periodically inspect the flexible impeller slinger for wear or damage. Replace if necessary.
- **Seal and Gasket Check:** Inspect all seals and gaskets for signs of deterioration or leaks. Replace as needed to maintain watertight integrity.
- **Cleaning:** Use marine-specific toilet cleaners. Avoid abrasive cleaners or those containing harsh chemicals that can damage rubber components.
- **Electrical Connections:** Annually check electrical connections for corrosion and tightness.

7. Troubleshooting

Before attempting any repairs, ensure power is disconnected. If you cannot resolve an issue, contact a qualified marine technician.

Problem	Possible Cause	Solution
Pump does not operate.	No power; Blown fuse; Faulty wiring; Motor failure.	Check power supply and circuit breaker. Inspect and replace fuse if necessary. Verify wiring connections. Consult a technician for motor issues.

Problem	Possible Cause	Solution
Pump runs but does not discharge.	Clogged discharge line; Damaged impeller; Air lock.	Check for blockages in the discharge line. Inspect and replace impeller. Ensure proper priming and remove any air locks.
Excessive noise during operation.	Foreign object in macerator; Worn bearings; Loose mounting.	Disconnect power and inspect macerator for foreign objects. Consult a technician for bearing issues. Tighten mounting screws.
Leaks from assembly.	Damaged gaskets or seals; Loose connections.	Inspect and replace worn gaskets or seals. Tighten all plumbing connections.

8. Specifications

- **Model:** Motor/Pump Assembly for Jabsco 37010 Series Electric Toilets
- **Part Number:** CW55767
- **UPC:** 671880032834
- **Power Source:** 12V DC (Corded Electric)
- **Product Dimensions (L x W x H):** Approximately 9" x 9" x 4" (Box Dimensions: 4"H x 9"W x 9"L)
- **Item Weight:** Approximately 4.95 lbs (2.25 kg)
- **Specific Uses:** Marine Sanitation Systems

9. Warranty and Support

For warranty information, technical support, or to purchase replacement parts, please contact Jabsco customer service or visit the official Jabsco website. Keep your purchase receipt as proof of purchase.
Jabsco Official Website: Visit the Jabsco Store on Amazon

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