

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Camco](#) /

› [Camco Rhino Camper/RV Sewer Macerator Pump System Model 39040 User Manual](#)

## Camco 39040

# Camco Rhino Camper/RV Sewer Macerator Pump System Model 39040 User Manual

Instructions for Setup, Operation, and Maintenance

## 1. INTRODUCTION

The Camco Rhino Camper/RV Sewer Macerator Pump System is designed to simplify RV waste disposal. Utilizing VortexCore Technology, this system pulverizes sewer waste into 1/8-inch particles, allowing for efficient pumping through a standard 3/4-inch ID garden hose. This provides flexibility for waste disposal over longer distances or uphill, reducing reliance on traditional RV sewer hoses and campground dump stations.



Image 1.1: The Camco Rhino Macerator Pump System, showcasing the pump unit and its retail packaging.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before operating this product. Failure to follow these instructions may result in property damage, injury, or death.

- Always wear appropriate personal protective equipment, such as gloves and eye protection, when handling RV waste.
- Ensure all connections are secure and leak-free before operating the pump.
- Do not operate the pump if any part is damaged or appears to be malfunctioning.
- Keep children and pets away from the operating area.
- The pump is designed for 12V DC power. Do not connect to other power sources.
- Avoid running the pump dry for extended periods, as this can cause damage.
- Dispose of RV waste in accordance with local regulations and environmental guidelines.

## 3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Camco Rhino Camper/RV Sewer Macerator Pump System
- 1 x 4-in-1 Adapter with Clear Rinse Cap and Hose Connector
- 1 x 15-foot Water Hose
- 1 x Power Cord with On/Off Switch
- 1 x Power Cord Extender
- 1 x 30-foot Power Cord with Battery Clamps
- 1 x Backflow Preventer
- 1 x Vented Carry Bag
- Storage Caps



Image 3.1: A visual representation of all components included in the Camco Rhino Macerator Pump System kit.

## 4. SETUP INSTRUCTIONS

---

Follow these steps to set up your macerator pump system:

1. **Connect to RV Sewer Outlet:** Attach the 4-in-1 adapter to your RV's sewer outlet. The adapter is designed to fit 4-inch, 3 1/2-inch, and 3-inch sewer outlets. Ensure a tight and secure connection to prevent leaks.
2. **Attach Macerator Pump:** Connect the macerator pump unit to the 4-in-1 adapter. Twist to lock it into place.
3. **Connect Discharge Hose:** Attach a 3/4-inch ID standard garden hose (not included, unless using the included 15-foot water hose for rinsing) to the pump's discharge port. Route the hose to your desired disposal location (e.g., septic tank, sewer cleanout, portable tank). The system is capable of pumping up to 10 feet vertically.
4. **Connect Power:** Use the provided 30-foot power cord with battery clamps to connect the pump to a 12V DC power source, such as your RV battery. Ensure correct polarity (red to positive, black to negative). Alternatively, use the power cord with the on/off switch and extender for shorter connections.
5. **Prepare for Rinsing (Optional):** If you plan to rinse your tanks, connect the 15-foot water hose to the clear rinse cap on the 4-in-1 adapter and to a freshwater source.



Image 4.1: A user connecting the macerator pump to the RV's waste outlet.

**Built for Superior Performance**

**Dimensions:  
11 1/2" (L) x 5 1/2" (W) x 5 1/2" (H)**



12V DC/8A MAX



REDUCES WASTE TO  
1/8 PARTICLES



FLOW RATE  
12 GAL PER MINUTE



10-FT VERTICAL PRIME



HIGH TEMPERATURE  
PROTECTION



SELF-PRIMING PUMP



FRESH WATER INLET  
WITH FLOW CONTROL



3-INCH GARDEN HOSE  
CONNECTOR

Image 4.2: The macerator pump in operation, demonstrating its ability to pump waste over distances and uphill.

## 5. OPERATING INSTRUCTIONS

Once the system is set up, follow these steps for waste disposal:

1. **Open RV Waste Valve:** Ensure the RV's black water tank valve is open.
2. **Activate Pump:** Turn on the macerator pump using the on/off switch on the power cord. The self-priming 12V DC motor will begin to operate, pulverizing and pumping the waste. The pump has a flow capacity of 12 gallons per minute (GPM).
3. **Monitor Operation:** Allow the black water tank to empty completely. The pump is designed with run-dry protection, high-temperature protection, and low-noise operation.
4. **Rinse Tank (Optional):** After emptying the black tank, close its valve. Open the gray water tank valve to flush the system. For a more thorough rinse, use the freshwater inlet with flow control on the 4-in-1 adapter to introduce clean water into the black tank while the pump is running.
5. **Duty Cycle:** Note that the pump has a recommended duty cycle of 5 minutes on, followed by 10 minutes off, to prevent overheating and ensure longevity.

6. **Deactivate Pump:** Once all tanks are empty and rinsed, turn off the macerator pump.
7. **Close RV Waste Valves:** Close all RV waste tank valves.

# READY TO INSTALL

with **ALL** the Accessories  
you Need for Better Dumping!

## Includes:



4-in-1 adapter + clear rinse cap with hose connector



15-ft water hose



30-ft power cord with clamps



Power cord extender



Power cord with ON/OFF switch



Vented carry bag



Back-flow preventer



Storage caps

Image 5.1: Examples of flexible waste disposal options, including home septic, portable tanks, and sewer cleanouts.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your macerator pump system:

- **Rinse After Each Use:** Always rinse the pump and hoses thoroughly with clean water after each use to prevent buildup and odors. The freshwater inlet with flow control facilitates this process.
- **Inspect Connections:** Regularly check all connections, including the 4-in-1 adapter and hose connections, for wear, damage, or leaks. Replace worn components as necessary.
- **Clean Backflow Preventer:** Periodically inspect and clean the backflow preventer to ensure it functions correctly and does not leak.
- **Storage:** After cleaning, disconnect all components. Store the pump and accessories in the provided vented carry bag in a cool, dry place, away from direct sunlight and extreme temperatures. Use the storage caps to

protect openings.

## 7. TROUBLESHOOTING

If you encounter issues with your macerator pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump not turning on	No power, loose connection, faulty switch	Check 12V power source, ensure battery clamps are secure, inspect power cord and switch for damage.
Pump runs but no waste is discharged (aeration)	Air leak in suction line, pump running too fast (over-voltage)	Ensure all inlet connections are airtight. If using a power supply, verify it provides a stable 12V; higher voltage (e.g., 13.8V) can cause aeration. Consider a PWM 12V motor controller if necessary.
Leaks at connections	Loose connections, worn gaskets/O-rings, damaged backflow preventer	Tighten all connections. Inspect and replace any damaged gaskets or O-rings. Check the backflow preventer for cracks or improper seating.
Reduced flow or clogging	Obstruction in pump or hose, excessive solids	Ensure black tank is adequately diluted. Disconnect power and inspect the pump inlet and discharge hose for blockages.
Pump overheats	Extended continuous operation, restricted flow	Adhere to the 5 minutes on / 10 minutes off duty cycle. Ensure discharge hose is not kinked or obstructed. Allow pump to cool down.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	39040
Dimensions (L x W x H)	11.5" x 5.5" x 5.5" (approximate)
Item Weight	7.43 pounds
Power Requirement	12V DC / 8A Max
Flow Rate	12 GPM (Gallons Per Minute)
Vertical Prime	Up to 10 feet
Waste Particle Size	Pulverizes to 1/8-inch particles
Certifications	CSA listed, Lead-free content certified to NSF/ANSI 372

## Goodbye RV Black Water Hoses & Campground Dump Stations!



No need for RV sewer hoses or trips to the dump station. Drain your RV black water tank at home, into a portable tank, septic tank, or sewer clean-out port.

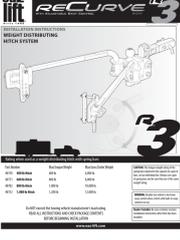
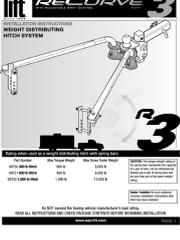
Image 8.1: Detailed overview of the macerator pump's features and dimensions.

### 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official Camco website or contact Camco customer service directly. Keep your purchase receipt for warranty claims.

**Camco Website:** [Visit the Camco Store on Amazon](#)

© 2024 Camco. All rights reserved.

	<p><a href="#">Camco Battery Box Installation Instructions</a></p> <p>Step-by-step instructions for installing a Camco battery box, including safety precautions for lead-acid batteries. Instructions are provided in English, French, and Spanish.</p>
	<p><a href="#">Eaz-Lift ReCurve R3 Weight Distributing Hitch System Installation Instructions</a></p> <p>Comprehensive installation guide for the Eaz-Lift ReCurve R3 Weight Distributing Hitch System with Adjustable Sway Control. Covers parts list, ball mount adjustment, hook-up bracket installation, and sway control activation and maintenance. Includes limited warranty information from Camco.</p>
	<p><a href="#">Eaz-Lift ReCurve R3 Weight Distributing Hitch System Installation Guide</a></p> <p>Comprehensive installation instructions, parts list, usage guide, and warranty information for the Eaz-Lift ReCurve R3 Weight Distributing Hitch System with Adjustable Sway Control.</p>
	<p><a href="#">Camco Eaz-Lift Scissor Jacks Installation and Operation Manual</a></p> <p>Comprehensive guide for installing and operating Camco Eaz-Lift Scissor Jacks, including safety warnings, tools required, and step-by-step instructions for both bolt-on and weld-on installations. Also features information on other Camco products and a limited warranty.</p>
	<p><a href="#">Eaz-Lift Sway Control Installation and Operation Manual - Camco</a></p> <p>Comprehensive installation and operating instructions for the Camco Eaz-Lift Sway Control system, including safety warnings, parts list, step-by-step installation guide, and adjustment procedures for safe trailer towing.</p>
	<p><a href="#">Eaz-Lift Sway Control Installation and Operation Guide</a></p> <p>Comprehensive guide for installing and operating the Eaz-Lift Sway Control system for trailers, including parts list, safety warnings, and adjustment procedures.</p>

