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Torin ATRG4001-20B

Torin ATRG4001-20B 20 Gallon Electric Solvent Pump Automotive Parts Washer Instruction Manual

Model: ATRG4001-20B | Brand: Torin

1. Introduction

This manual provides essential instructions for the safe and effective operation and maintenance of your Torin ATRG4001-20B 20 Gallon Electric Solvent Pump Automotive Parts Washer. This unit is designed for cleaning various engine and gearbox parts using a circulating solvent system. Constructed from high-quality steel with a corrosion-resistant coating, it offers durability and efficient cleaning performance.
Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper usage and to prevent injury or damage to the equipment.

2. Safety Information

Always prioritize safety when operating any machinery. Failure to follow these safety guidelines may result in serious injury or property damage.

- **Read All Instructions:** Before operating the parts washer, read and understand all instructions and warnings in this manual.
- **Appropriate Solvents:** Use only non-corrosive, water-based cleaning solutions. Refer to the "Solvent Selection" section for details. Never use flammable liquids such as gasoline, diesel, toluene, or mineral spirits.
- **Electrical Safety:** Ensure the power supply matches the unit's requirements. Do not operate with damaged cords or plugs. Keep electrical connections dry.
- **Fire Safety Devices:** The unit includes internal fire safety devices, such as a heat-resistant cover with a fuse, designed to close automatically to prevent fire accidents. Do not bypass or modify these safety features.
- **Switch Protection:** The switch features a waterproof cover to enhance safety during operation.
- **Ventilation:** Operate the parts washer in a well-ventilated area to avoid inhalation of solvent fumes.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, gloves, and protective clothing, to prevent contact with cleaning solutions.
- **Stable Surface:** Place the parts washer on a stable, level surface to prevent tipping.
- **Unplug When Not in Use:** Disconnect the power supply before performing any maintenance, cleaning, or when the

unit is not in use.

- **Children and Bystanders:** Keep children and unauthorized persons away from the operating area.

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3. Package Contents

Upon unpacking, verify that all components are present and undamaged:

- Torin ATRG4001-20B Parts Washer Unit
- Removable Internal Shelves
- High-Flow Electric Submersible Pump (integrated)
- Flexible Metal Nozzle
- Filter
- Basket
- Instruction Manual (this document)



Figure 1: Key components of the Torin ATRG4001-20B Parts Washer. This image highlights the high-flow pump, the drain valve, the internal filter, the parts basket, the self-locking fuse mechanism for the lid, and the flexible metal nozzle for directing solvent flow.

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4. Setup and Assembly

The Torin ATRG4001-20B parts washer requires minimal assembly. Follow these steps to prepare your unit for operation:

1. **Unpack Components:** Carefully remove all parts from the packaging. Retain packaging for future storage or transport.
2. **Assemble Stand:** Attach the four legs to the main washer tank using the provided hardware. Ensure all bolts are securely tightened for stability. The unit is equipped with self-supporting legs.
3. **Position the Washer:** Place the assembled parts washer on a firm, level surface in a well-ventilated area, away from ignition sources.
4. **Install Internal Components:** Place the filter and removable internal shelves into the tank as desired. The basket can be used for smaller parts.
5. **Connect Power:** Ensure the power switch is in the "OFF" position. Plug the power cord into a grounded electrical outlet that meets the unit's voltage requirements.



Figure 2: The Torin ATRG4001-20B Parts Washer fully assembled, showcasing its red finish and integrated stand.

5. Operating Instructions

5.1 Solvent Selection

Choosing the correct cleaning solution is critical for safety and performance. This parts washer is designed to work exclusively with **non-corrosive, water-based cleaning solutions**. Using incompatible solvents can damage the unit and pose severe safety risks.

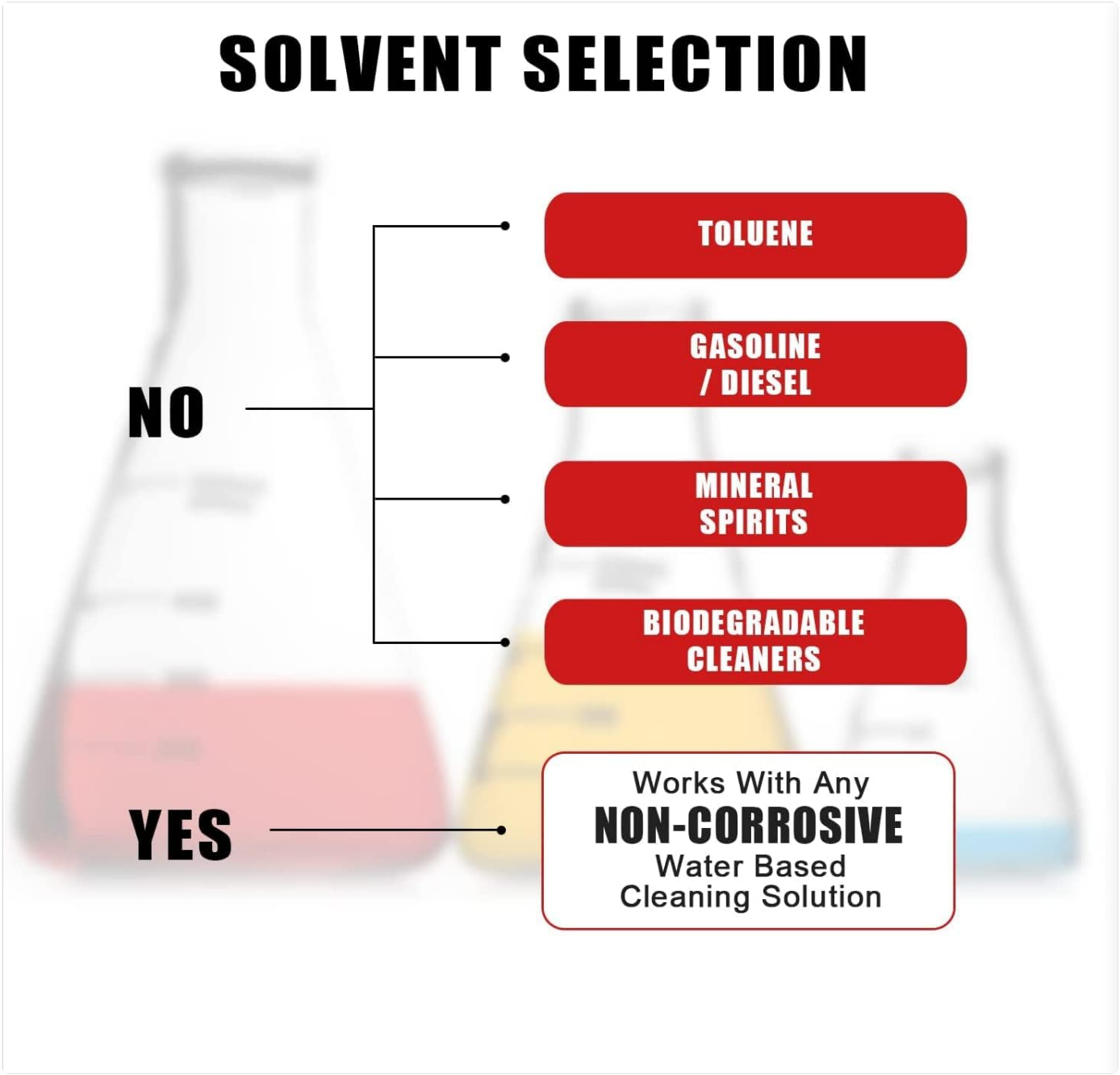


Figure 3: Solvent Selection Guide. Only use non-corrosive, water-based cleaning solutions. Avoid toluene, gasoline/diesel, mineral spirits, and certain biodegradable cleaners that may be corrosive or incompatible.

5.2 Filling the Tank

1. Ensure the drain valve is closed.
2. Carefully pour the selected non-corrosive, water-based cleaning solution into the tank. Do not overfill; ensure the liquid level is below the top edge of the tank to prevent splashing. The tank has a 20-gallon capacity.

5.3 Cleaning Parts

1. Place the parts to be cleaned on the removable internal shelves or in the basket.
2. Close the lid securely. The lid features a self-locking fuse mechanism for safety.
3. Turn the power switch to the "ON" position. The electric submersible pump will activate, circulating the solvent at a rate of 5 gallons per minute.
4. Direct the flexible metal nozzle towards the parts to be cleaned. The continuous flow of solvent will help remove oil, grease, and grime.
5. For stubborn deposits, use a brush (not included) to scrub parts while the solvent circulates.

6. Once cleaning is complete, turn the power switch to the "OFF" position.
7. Allow excess solvent to drain from the parts before removing them from the washer.



Figure 4: Effect Comparison. This image demonstrates the cleaning effectiveness of the parts washer, showing various automotive components before and after being cleaned.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your parts washer.

- **Solvent Replacement:** Replace the cleaning solution regularly, especially when it becomes heavily contaminated with dirt and debris.
- **Draining the Tank:** To drain the tank, place a suitable container under the drain valve and open the valve. Dispose of used solvent according to local environmental regulations.
- **Cleaning the Filter:** Periodically remove and clean the internal filter to maintain optimal pump performance and solvent circulation.
- **Cleaning the Tank:** After draining, wipe down the interior of the tank and the removable shelves to remove any residue.
- **External Cleaning:** Keep the exterior of the unit clean and free of spills. Use a damp cloth to wipe surfaces.
- **Storage:** When not in use for extended periods, drain the tank, clean the unit, and store it in a dry, protected area.

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7. Troubleshooting

This section addresses common issues you might encounter with your parts washer.

Problem	Possible Cause	Solution
Pump does not start	No power supply; Power switch is OFF; Pump motor fault.	Check power connection and outlet; Ensure switch is ON; Contact customer support if motor is faulty.
Weak solvent flow	Clogged filter; Low solvent level; Kinked nozzle hose.	Clean or replace filter; Add more solvent; Straighten nozzle hose.
Poor cleaning performance	Contaminated solvent; Incorrect solvent type; Parts too dirty.	Replace solvent; Ensure use of non-corrosive, water-based cleaner; Pre-scrape heavily soiled parts.
Lid does not close properly	Obstruction; Damaged hinge/fuse mechanism.	Remove obstruction; Inspect hinges and self-locking fuse for damage.

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8. Specifications

Feature	Detail
Brand	Torin
Model	ATRG4001-20B
Capacity	20 Gallons
Pump Flow Rate	5 Gallons per Minute

Feature	Detail
Construction Material	High-strength Steel with Corrosion-resistant Coating
Item Weight	50.7 pounds (approx. 22.99 kg)
Product Dimensions (L x W x H)	30.51 x 21.26 x 34.45 inches (approx. 77.5 x 54 x 87.5 cm)
Power Source	Electric (Submersible Pump)
Safety Features	Internal fire safety devices, heat-resistant cover with fuse, waterproof switch cover.

9. Warranty and Support

The Torin ATRG4001-20B Parts Washer comes with a limited one-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical assistance, or to inquire about replacement parts, please contact Torin customer support. Keep your purchase receipt as proof of purchase.
Please note that the warranty does not cover damage caused by misuse, neglect, unauthorized modifications, or the use of incompatible cleaning solutions.

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