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› MTD 925-1707D Replacement Dry Vented Top Battery Instruction Manual

## MTD Genuine Parts 925-1707D



# MTD 925-1707D Replacement Dry Vented Top Battery

Instruction Manual

## INTRODUCTION

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This manual provides essential instructions for the safe and effective setup, operation, and maintenance of your MTD 925-1707D Replacement Dry Vented Top Battery. This battery is designed as a replacement part for various MTD outdoor power equipment. Please read all instructions carefully before proceeding.



Image: MTD 925-1707D Dry Vented Top Battery. This image shows the battery as it is shipped, without electrolyte.

## SAFETY INFORMATION

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Always observe the following safety precautions when handling batteries and battery acid:

- Wear appropriate personal protective equipment, including safety glasses and acid-resistant gloves.
- Work in a well-ventilated area.
- Keep sparks, flames, and smoking materials away from the battery. Batteries produce explosive gases.
- Avoid contact with battery acid. If contact occurs, flush immediately with water and seek medical attention.

- Keep out of reach of children.

## SETUP: ADDING ELECTROLYTE AND INITIAL CHARGE

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This MTD 925-1707D battery is shipped **DRY** and contains **NO acid**. You must purchase battery acid (electrolyte) separately and add it before use. The required volume of acid is approximately 42 oz (two 21 oz containers).

### Materials Required:

- Battery acid (electrolyte) - *Sold Separately*
- Safety glasses
- Acid-resistant gloves
- Battery charger (compatible with lead-acid batteries)

### Procedure:

1. **Prepare the Area:** Work in a well-ventilated area, preferably outdoors, on a level surface. Place the battery on a protective mat or old newspapers.
2. **Remove Vent Caps:** Carefully remove the vent caps or strip from the top of the battery. Keep them in a safe place.
3. **Add Electrolyte:** Slowly and carefully pour the battery acid into each cell until the fluid level reaches the "UPPER" or "MAX" fill line indicated on the battery casing. Avoid overfilling.
4. **Allow to Settle:** After filling, allow the battery to sit for 30-60 minutes. This allows the acid to soak into the plates and any air bubbles to escape. Check the fluid levels again and add more acid if necessary to reach the fill line.
5. **Initial Charge:** Connect the battery to a compatible battery charger. Charge the battery according to the charger manufacturer's instructions until it is fully charged. A typical initial charge may take several hours.
6. **Reinstall Vent Caps:** Once charging is complete and the battery has cooled, securely reinstall the vent caps or strip.

## INSTALLATION

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Before installing the new battery, ensure the equipment's ignition is off and the parking brake is engaged. Refer to your equipment's owner's manual for specific battery compartment location and access.



Image: A Troy-Bilt riding mower, representative of equipment that may use this battery. The battery is typically located under the seat or hood.

1. **Remove Old Battery (if applicable):** Disconnect the negative (-) terminal first, then the positive (+) terminal. Carefully remove the old battery.
2. **Clean Battery Tray and Cables:** Clean any corrosion from the battery tray and cable terminals using a wire brush and a baking soda/water solution. Rinse with clean water and dry thoroughly.
3. **Position New Battery:** Place the new MTD 925-1707D battery securely in the battery tray.

4. **Connect Terminals:** Connect the positive (+) cable to the positive (+) battery terminal first. Tighten the connection. Then, connect the negative (-) cable to the negative (-) battery terminal and tighten. Ensure all connections are secure.
5. **Secure Battery:** If your equipment has a battery hold-down strap or clamp, secure the battery firmly to prevent movement during operation.

## OPERATION

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Once the battery is properly installed and fully charged, your equipment is ready for use. Refer to your equipment's owner's manual for specific starting procedures.

- Ensure all safety interlocks are engaged before attempting to start the engine.
- Turn the ignition key or press the start button as directed by your equipment's manual.

## MAINTENANCE

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Proper maintenance extends battery life and ensures reliable performance.

- **Check Electrolyte Levels:** Periodically check the electrolyte levels (every 1-3 months, or more frequently in hot climates). If levels are low, add **distilled water only** to the "UPPER" or "MAX" fill line. Do not add battery acid after the initial fill.
- **Clean Terminals:** Keep battery terminals clean and free of corrosion. Use a wire brush and a baking soda/water solution if corrosion is present. Apply a thin layer of dielectric grease to prevent future corrosion.
- **Keep Charged:** For optimal performance, keep the battery fully charged, especially during periods of non-use. A trickle charger or battery maintainer is recommended for long-term storage.
- **Storage:** If storing the equipment or battery for an extended period (e.g., over winter), remove the battery, clean it, fully charge it, and store it in a cool, dry place. Recharge periodically during storage.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Equipment does not start or cranks slowly.	Low battery charge; loose or corroded terminals; faulty starter/solenoid (equipment issue).	Recharge battery; clean and tighten terminals; consult equipment manual or service technician.
Battery does not hold a charge.	Battery sulfation; internal cell damage; faulty charging system (equipment issue).	Ensure proper initial electrolyte fill and charge; test battery with a load tester; consult equipment manual or service technician.
Corrosion on terminals.	Acid leakage; improper terminal connection; lack of maintenance.	Clean terminals thoroughly; ensure connections are tight; apply dielectric grease.

## SPECIFICATIONS

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- **Model Number:** 925-1707D
- **Type:** Dry Vented Top Battery
- **Product Dimensions:** 5 x 5 x 5 inches (approximate)
- **Item Weight (dry):** 0.01 ounces (approximate, before electrolyte fill)
- **Electrolyte Requirement:** Battery acid (sulfuric acid solution), approximately 42 oz. (sold separately)

## WARRANTY INFORMATION

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MTD Genuine Parts are manufactured to high-quality standards. For specific warranty details regarding your 925-1707D Replacement Dry Vented Top Battery, please refer to the warranty documentation included with your purchase or visit the official MTD website. Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

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If you require further assistance or have questions not covered in this manual, please contact MTD Customer Support. Have your model number (925-1707D) and purchase information ready when contacting support.

You can typically find contact information on the official MTD website or in your equipment's owner's manual.

