



Manuals.plus /

› **Technical Precision** /

› Technical Precision AX-82ZE-0 Replacement Battery for Swisher Z-MAX ZT2560 Zero-Turn Mower - User Manual

Technical Precision AX-82ZE-0

Technical Precision AX-82ZE-0 Replacement Battery User Manual

For Swisher Z-MAX ZT2560 Zero-Turn Mowers

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, installation, and maintenance of your Technical Precision AX-82ZE-0 replacement battery. This battery is designed as a direct replacement for the 230CCA battery in Swisher Z-MAX ZT2560 zero-turn mowers. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

Always observe the following safety precautions when handling and installing batteries:

- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Do not short-circuit the battery terminals. This can cause severe burns, fire, or explosion.
- Keep sparks, flames, and smoking materials away from the battery. Batteries can produce explosive gases.
- Do not attempt to open or disassemble the battery. It is a sealed, maintenance-free unit.
- Ensure proper ventilation when charging or working near batteries.
- Dispose of old batteries responsibly according to local regulations.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The Technical Precision AX-82ZE-0 is a 12-volt, 230CCA sealed lead-acid battery designed for reliable starting power in compatible zero-turn mowers. It is a maintenance-free unit, ensuring consistent performance without the need for fluid checks.



Figure 1: Technical Precision AX-82ZE-0 Replacement Battery. This image shows the top and side view of the battery, highlighting its sealed design, terminals, and carrying handle. The label indicates it is a YB12350 (12V35AH) Maintenance-free Sealed Lead-acid Battery with constant voltage charge specifications.

4. SETUP AND INSTALLATION

Follow these steps for safe installation of the replacement battery:

- 1. Preparation:** Ensure the mower's ignition is off and the parking brake is engaged. Remove the key.
- 2. Locate Old Battery:** Identify the location of the existing battery in your Swisher Z-MAX ZT2560 mower. Refer to your mower's owner's manual for specific instructions on accessing the battery compartment.
- 3. Disconnect Old Battery:**
 - First, disconnect the negative (-) terminal (usually black cable).
 - Next, disconnect the positive (+) terminal (usually red cable).
 - Carefully remove any hold-down clamps or straps securing the old battery.
- 4. Remove Old Battery:** Lift the old battery out of the compartment. Be aware of its weight.
- 5. Clean Battery Tray:** Clean any corrosion or debris from the battery tray and terminals.
- 6. Install New Battery:** Place the Technical Precision AX-82ZE-0 battery into the battery tray, ensuring it is seated securely.
- 7. Connect New Battery:**
 - First, connect the positive (+) terminal (red cable) to the positive (+) post on the new battery. Tighten securely.
 - Next, connect the negative (-) terminal (black cable) to the negative (-) post on the new battery. Tighten securely.
 - Apply a thin layer of anti-corrosion grease to the terminals if desired.
- 8. Secure Battery:** Reinstall any hold-down clamps or straps to prevent the battery from moving during operation.
- 9. Test:** Attempt to start the mower to confirm proper installation.

Note: Always refer to your Swisher Z-MAX ZT2560 mower's specific service manual for detailed battery replacement procedures.

5. OPERATING THE BATTERY (MOWER OPERATION)

This battery is designed to provide starting power for your zero-turn mower. Once installed, its operation is integrated with the mower's electrical system.

- **Starting the Mower:** Follow your mower's manufacturer instructions for starting the engine. The battery provides the necessary power for the starter motor.

- **Charging:** The mower's charging system will automatically recharge the battery during operation. If the mower is stored for extended periods, it is recommended to use a compatible trickle charger to maintain battery health.
- **Cold Weather:** Battery performance can be reduced in extremely cold temperatures. Ensure the battery is fully charged before operating in cold conditions.

6. MAINTENANCE

The Technical Precision AX-82ZE-0 is a maintenance-free battery, meaning it does not require water additions. However, general care is still important:

- **Keep Clean:** Periodically inspect the battery and terminals for dirt, debris, or corrosion. Clean with a damp cloth and a solution of baking soda and water if corrosion is present. Rinse with clean water and dry thoroughly.
- **Terminal Connections:** Ensure terminal connections remain tight. Loose connections can lead to poor performance and heat buildup.
- **Storage:** If the mower will be stored for an extended period (e.g., off-season), disconnect the battery or use a battery maintainer/trickle charger to prevent deep discharge. Store in a cool, dry place.
- **Avoid Deep Discharge:** Repeated deep discharges can shorten battery life. Ensure the battery is recharged promptly after use.

7. TROUBLESHOOTING

If you experience issues with your battery, consider the following common problems and solutions:

- **Mower Does Not Start / Cranks Slowly:**
 - Check battery terminals for tightness and corrosion. Clean and tighten if necessary.
 - Ensure the battery is fully charged. If not, charge it using a compatible battery charger.
 - Verify the mower's safety interlocks are engaged (e.g., parking brake, PTO disengaged).
 - If the battery is old, it may need replacement.
- **Battery Not Holding Charge:**
 - Check the mower's charging system (alternator/stator, voltage regulator). Consult your mower's service manual or a qualified technician.
 - Ensure the battery is not being drained by parasitic loads when the mower is off.
 - The battery may have reached the end of its service life.
- **Corrosion on Terminals:**
 - Clean terminals with a wire brush and a baking soda/water solution. Rinse and dry.
 - Apply anti-corrosion grease to prevent future buildup.

If problems persist after troubleshooting, consult a qualified technician or contact Technical Precision customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Technical Precision
Model Number	AX-82ZE-0
Voltage	12 Volts
Cold Cranking Amps (CCA)	230 CCA
Battery Type	Sealed Lead-Acid (SLA), Maintenance-Free
Specific Uses	Replacement battery for Swisher Z-MAX ZT2560 Zero-Turn Mowers
Special Feature	High Efficiency, Instant On
Indoor/Outdoor Usage	Outdoor
Included Components	1 x Replacement Battery

9. WARRANTY INFORMATION

This Technical Precision battery comes with a **1-year manufacturer warranty**. For warranty claims or detailed information, please retain your proof of purchase and contact Technical Precision customer support.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting guidance, or warranty inquiries, please contact Technical Precision customer support. Refer to the packaging or the Technical Precision website for the most current contact information.

When contacting support, please have your product model number (AX-82ZE-0) and purchase details ready.