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› Mighty Max Battery YTX7L-BS Motorcycle Battery Instruction Manual

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Model: YTX7L-BS

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Mighty Max Battery YTX7L-BS 12 Volt 6 AH, 100 CCA, Rechargeable Maintenance Free SLA AGM Motorcycle Battery. Please read these instructions carefully before installation and operation to ensure optimal performance and longevity of your battery.

The Mighty Max YTX7L-BS is a high-performance, sealed lead-acid (SLA) battery designed for various powersports applications, including motorcycles, scooters, ATVs, and UTVs. Its maintenance-free design and robust construction ensure reliable power in diverse conditions.



Figure 1: Mighty Max Battery YTX7L-BS, a 12V 6AH 100 CCA Sealed Lead Acid (SLA) AGM Motorcycle Battery.

2. SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

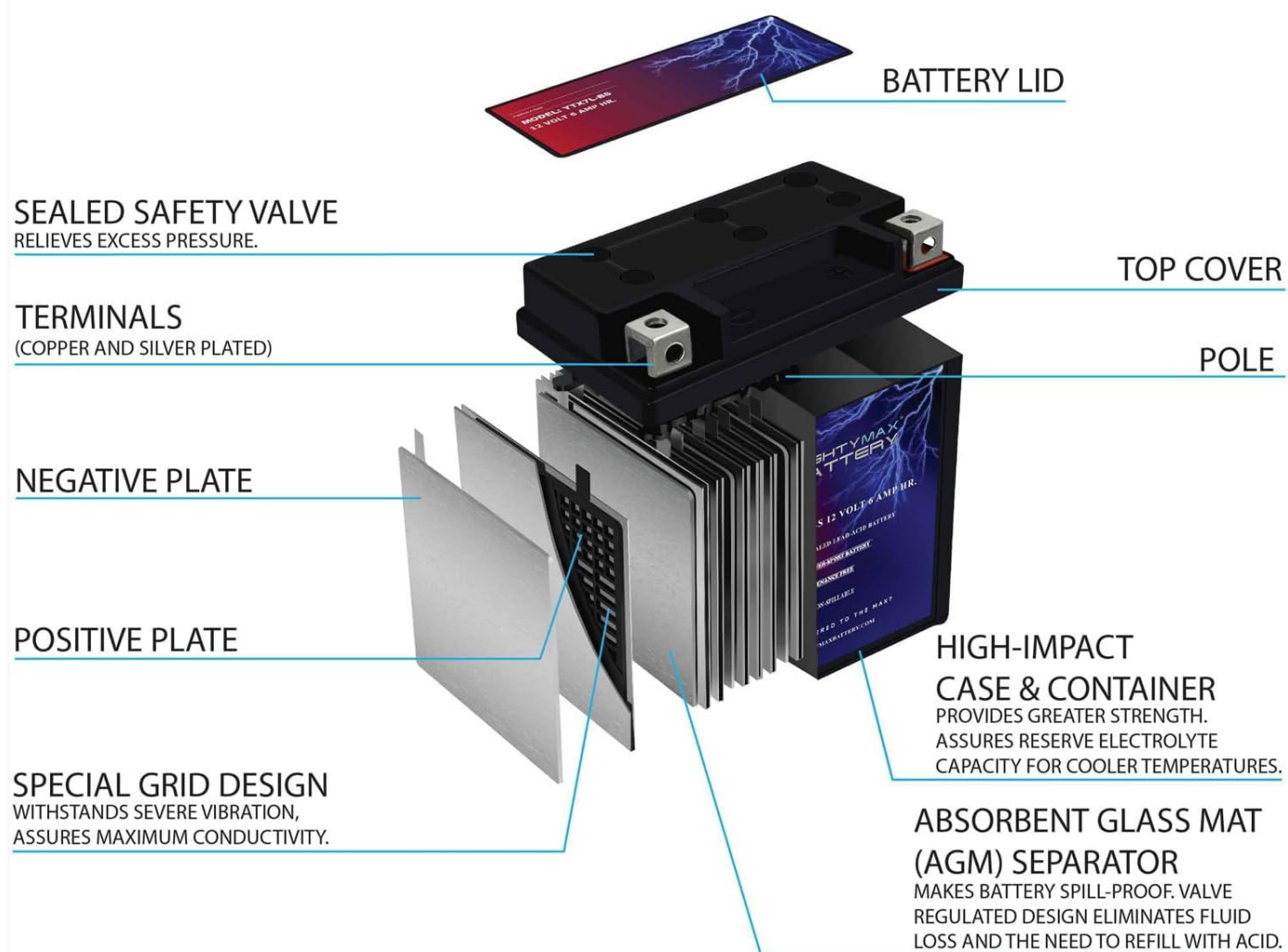
- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling batteries.
- Do not short-circuit battery terminals.
- Keep batteries away from open flames, sparks, and heat sources.
- Ensure proper ventilation when charging batteries.
- Do not attempt to open or modify the battery.
- Dispose of batteries according to local regulations.

3. PRODUCT FEATURES

The Mighty Max YTX7L-BS battery offers the following key features:

- **12V 6AH 100 Cold Cranking Amps (CCA):** Provides reliable starting power.
- **Sealed Lead Acid (SLA) / Absorbent Glass Mat (AGM) Technology:** Spill-proof design for safe operation and mounting in any position.
- **Maintenance-Free:** No need for water refills or electrolyte checks.
- **Vibration and Shock Resistant:** Durable construction for demanding applications.
- **Wide Operating Temperature Range:** Consistent performance in various environmental conditions.
- **Deep Discharge Recovery:** Designed to recover from deep discharges.

CONFIGURATION



This is a model representation of the components within battery.
It is not an actual depiction of said battery.



Figure 2: Internal components and configuration of the YTX7L-BS battery, highlighting the sealed safety valve, terminals, plates, high-impact case, and AGM separator.

4. SPECIFICATIONS

Parameter	Value
Model Number	YTX7L-BS
Voltage	12 Volts
Capacity (10-hour rate)	6 AH
Cold Cranking Amps (CCA)	100 CCA
Dimensions (L x W x H)	4.40 in x 2.75 in x 5.19 in (11.18cm x 6.99cm x 13.18cm)
Weight	5 pounds
Battery Cell Composition	Lead Acid
Terminal Type	Bolt Terminal
Polarity	Positive on Right, Negative on Left



Figure 3: Detailed dimensions of the Mighty Max Battery YTX7L-BS.

Your browser does not support the video tag.

Video 1: YTX7L-BS Specific Video. This video provides a visual overview of the YTX7L-BS battery model, including its features and design.

5. SETUP AND INSTALLATION

Before installation, ensure the battery is fully charged. Refer to the charging instructions in Section 6.

1. **Verify Compatibility:** Confirm that the YTX7L-BS battery dimensions and specifications match your vehicle's requirements.
2. **Safety First:** Turn off your vehicle's ignition and remove the key. Wear safety glasses and gloves.

3. **Remove Old Battery (if applicable):**

- Locate the battery compartment.
- Disconnect the negative (-) terminal first, then the positive (+) terminal.
- Carefully remove the old battery.

4. **Install New Battery:**

- Place the Mighty Max YTX7L-BS battery into the battery compartment. Ensure it fits securely.
- Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are tight.

5. **Secure Battery:** Use any existing straps or clamps to secure the battery in place, preventing movement during operation.

POSITIVE TERMINAL ON RIGHT SIDE



Figure 4: The positive terminal is located on the right side of the battery, and the negative terminal on the left.



Figure 5: Close-up of the bolt terminal, showing the connection point for vehicle cables.

6. OPERATING INSTRUCTIONS

The Mighty Max YTX7L-BS is a maintenance-free battery, meaning it does not require water additions. However, proper charging and usage are crucial for its lifespan.

- **Initial Charge:** Although batteries often arrive partially charged, it is recommended to fully charge the battery before its first use to maximize performance and lifespan.
- **Charging:** Use a compatible 12V battery charger designed for SLA/AGM batteries. Avoid overcharging, as this can damage the battery. Recommended charging parameters:
 - Constant Voltage: 14.4V
 - Limit Current: 1.4A
 - Charging Hours: 2-3 hours (for initial charge)

- **Regular Use:** For vehicles used regularly, the charging system of the vehicle will maintain the battery.
- **Storage Charging:** If the battery will be stored for an extended period, especially in cold climates, connect it to a trickle charger or maintenance charger to prevent self-discharge.

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Video 2: Mighty Max Battery Overview. This video provides a general overview of Mighty Max batteries, their features, and applications.

7. MAINTENANCE

While the YTX7L-BS is a maintenance-free battery, following these guidelines will help prolong its life:

- **Keep Terminals Clean:** Periodically inspect battery terminals for corrosion. Clean them with a wire brush and a mixture of baking soda and water if necessary. Ensure connections are tight.
- **Regular Charging:** If the battery is not in regular use, charge it every 3-6 months to prevent sulfation and maintain its capacity. A maintenance charger is ideal for this purpose.
- **Avoid Deep Discharges:** While the battery can recover from deep discharges, repeatedly allowing it to fully discharge will shorten its lifespan.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Ensure it is fully charged before storage.

8. TROUBLESHOOTING

If you encounter issues with your Mighty Max YTX7L-BS battery, consider the following:

- **Battery Not Holding Charge:**
 - Ensure the charging system of your vehicle is functioning correctly.
 - Check for parasitic drains on your vehicle's electrical system.
 - Verify that the battery charger is working and compatible.
 - If the battery has been deeply discharged for an extended period, it might be permanently damaged.
- **Engine Cranks Slowly or Not at All:**
 - Check battery voltage; it may need charging.
 - Inspect battery terminals for corrosion and ensure they are securely connected.
 - Ensure the battery is the correct size and CCA rating for your vehicle.
- **Swollen Battery Case:** This indicates severe overcharging or internal damage. Discontinue use immediately and replace the battery.

9. WARRANTY AND SUPPORT

The Mighty Max Battery YTX7L-BS comes with a **Full One Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the battery performs as specified under normal use.

For warranty claims, technical support, or any questions regarding your battery, please contact Mighty Max Battery customer service. Keep your proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question