Interstate Batteries MTX-48/H6

Interstate Batteries MTX-48/H6 12V 70Ah 760CCA SLI AGM Automotive Battery Instruction Manual

Model: MTX-48/H6 | Brand: Interstate Batteries

1. Introduction

This manual provides essential information for the safe and effective use of your Interstate Batteries MTX-48/H6 AGM Automotive Battery. This 12V 70Ah (Group Size H6, 48) battery features 760 Cold Cranking Amps (CCA) and is designed for cars, SUVs, sedans, and trucks, particularly those with start-stop vehicle technology. Its Absorbed Glass-Mat (AGM) design incorporates more lead, contributing to a longer service life compared to conventional batteries. The battery is maintenance-free and spill-proof due to its AGM and Valve Regulated Lead-Acid (VRLA) technology.



Figure 1: Interstate Batteries MTX-48/H6 AGM Automotive Battery (Front View)

2. Safety Information

Automotive batteries contain sulfuric acid and produce explosive gases. Improper handling can result in severe injury or property damage. Always follow these safety guidelines:

- **Wear Eye Protection:** Always wear safety glasses or goggles when working with batteries.
- **Wear Gloves:** Protect your hands from acid.
- **Ventilate Area:** Ensure adequate ventilation to disperse explosive gases.
- **No Smoking/Sparks:** Keep flames, sparks, and smoking materials away from the battery.
- **Avoid Contact:** Do not allow battery acid to contact skin, eyes, or clothing. In case of contact, flush immediately with water and seek medical attention.
- **Proper Lifting:** Batteries are heavy. Use proper lifting techniques or assistance to prevent injury.
- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. Setup and Installation

Proper installation is crucial for battery performance and safety. If you are unsure about any step, consult a qualified automotive technician.

3.1. Preparation

- Ensure the vehicle's ignition is off and all accessories are turned off.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.

- Gather necessary tools: wrench (typically 10mm and 13mm or 1/2 inch), battery terminal cleaner, and a battery terminal puller if needed.

3.2. Removing the Old Battery

1. **Disconnect Negative Terminal:** Locate the negative (-) battery terminal (usually marked with a minus sign and a black cable). Loosen the nut with a wrench and remove the cable. Ensure the cable does not touch any metal parts of the vehicle.
2. **Disconnect Positive Terminal:** Locate the positive (+) battery terminal (usually marked with a plus sign and a red cable). Loosen the nut and remove the cable.
3. **Remove Battery Hold-Down:** Unfasten any clamps or hold-down devices securing the battery in place.
4. **Lift Out Old Battery:** Carefully lift the old battery out of the battery tray. Be mindful of its weight.

3.3. Installing the New Battery

1. **Clean Battery Tray and Terminals:** Clean the battery tray of any corrosion or debris. Clean the battery cable clamps with a terminal cleaner.
2. **Place New Battery:** Carefully place the Interstate Batteries MTX-48/H6 AGM battery into the battery tray. Ensure it is seated securely.
3. **Secure Battery Hold-Down:** Re-fasten the battery hold-down device to secure the new battery.
4. **Connect Positive Terminal:** Connect the positive (+) cable to the positive (+) terminal of the new battery. Tighten the nut securely.
5. **Connect Negative Terminal:** Connect the negative (-) cable to the negative (-) terminal of the new battery. Tighten the nut securely.



Figure 2: Positive and Negative Terminals

3.4. Installation Video Guide

Video 1: Alfa Romeo C4 Battery Replacement - AGM Group 48 Battery (Courtesy of Uplus Battery US). This video demonstrates a similar Group 48 AGM battery installation process.

4. Operating Instructions

Your Interstate Batteries MTX-48/H6 AGM battery is designed for optimal performance in modern vehicles, especially those equipped with start-stop technology. AGM batteries offer several advantages:

- **Enhanced Cycling:** Provides better cycling times, crucial for vehicles that frequently shut off and restart their engines.
- **Faster Charging:** Recharges more quickly than conventional flooded batteries.
- **Consistent Power:** Delivers reliable power to meet your car's starting requirements and support all accessories and plug-ins.

4.1. Understanding AGM Technology

AGM (Absorbed Glass-Mat) technology utilizes a revolutionary design that suspends electrolyte in fiberglass mats instead of free-flowing liquid. This design contributes to the battery's spill-proof nature and vibration resistance.

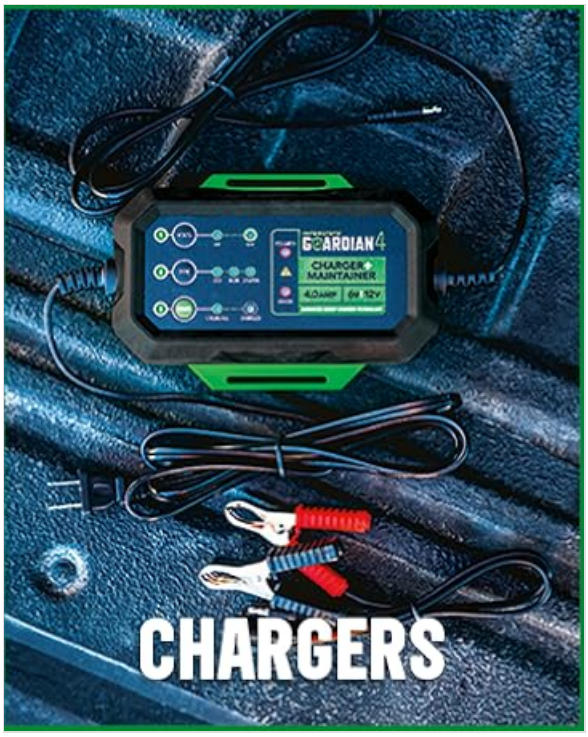


Figure 3: Illustration of Absorbed Glass-Mat (AGM) Battery Construction

4.2. AGM Battery Information Video

Video 2: Interstate - What's An AGM Battery? (Courtesy of Interstate Batteries). This video explains the benefits and technology behind AGM batteries.

5. Maintenance

The Interstate Batteries MTX-48/H6 is a maintenance-free AGM battery. This means it does not require regular water additions or electrolyte level checks. However, general care can 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 Secure Connections:** Verify that battery cables are tightly connected to the terminals.
- **Keep Battery Top Clean:** Wipe down the top of the battery to remove dirt and grime, which can sometimes create a conductive path and lead to self-discharge.
- **Avoid Deep Discharge:** While AGM batteries tolerate deeper discharges better than flooded batteries, consistently discharging below 50% can shorten overall lifespan.

6. Troubleshooting

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

- **Slow Cranking/No Start:**
  - Check battery terminals for corrosion and ensure they are tight.
  - Verify the battery's voltage with a multimeter. A fully charged 12V battery should read around 12.6V or higher.
  - If voltage is low, the battery may need charging. Use an AGM-compatible battery charger.
- **Battery Light On:**
  - This often indicates an issue with the vehicle's charging system (alternator) rather than the battery itself. Have the charging system inspected by a professional.
- **Swollen Battery Case:**
  - A swollen battery case can indicate overcharging or internal damage. This is a serious safety concern. Disconnect the battery immediately and have it inspected by a professional. Do not attempt to charge or use a swollen battery.

For persistent issues or complex problems, it is recommended to consult a certified automotive technician or Interstate Batteries customer support.

7. Specifications

Feature	Detail
Brand	Interstate Batteries
Model Number	MTX-48/H6
Voltage	12V
Capacity	70Ah
Cold Cranking Amps (CCA)	760 CCA
Group Size	H6, 48
Technology	SLI AGM (Absorbed Glass-Mat)
Item Weight	44.7 pounds
Product Dimensions	11 x 6.94 x 7.5 inches
Special Features	Shock-Absorbent
Terminal Type	Top Post
UPC	656489347503



Figure 4: Interstate Batteries MTX-48/H6 Battery Dimensions

8. Warranty Information

This Interstate Batteries MTX-48/H6 AGM battery includes a 36-month free replacement warranty. For specific terms and conditions, please refer to the warranty documentation provided with your purchase or contact Interstate Batteries customer support.

9. Support and Contact

For further assistance, technical support, or warranty claims, please contact Interstate Batteries directly. Visit their official website or refer to the contact information provided with your product packaging.

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