Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Part Synergy O10-H6

Part Synergy 12V 800 CCA AGM Battery (Model O10-H6) User Manual

Introduction

This manual provides essential information for the safe and effective use of your Part Synergy 12 Volt 800 Cold Cranking Amps (CCA) Absorbed Glass Mat (AGM) battery, Model O10-H6. Please read these instructions carefully before installation and operation to ensure optimal performance and longevity of your battery.



Image 1: The Part Synergy 12V 800 CCA AGM Battery, featuring a yellow top and gray casing, with top terminals visible. This image displays the overall product design.

Safety Information

Automotive batteries contain sulfuric acid and produce explosive gases. Failure to follow these safety precautions can result in serious injury or property damage.

- **Eye Protection:** Always wear safety glasses or a face shield when working with batteries.
- **Ventilation:** Ensure adequate ventilation when charging or working near batteries to disperse explosive gases.
- **No Sparks/Flames:** Keep sparks, flames, and lit cigarettes away from batteries.
- **Acid Contact:** Avoid contact with battery acid. If contact occurs, flush immediately with water and seek medical attention.
- **Tools:** Use insulated tools to prevent short circuits. Do not place tools on top of the battery.
- **Children:** Keep batteries out of reach of children.
- **Disposal:** Dispose of old batteries responsibly at an authorized recycling center.

Setup and Installation

1. **Preparation:** Ensure the vehicle's ignition is off and all accessories are disconnected. Wear appropriate safety gear.
2. **Disconnect Old Battery:**
    - First, disconnect the negative (-) terminal cable (usually black).
    - Then, disconnect the positive (+) terminal cable (usually red).
    - Remove any battery hold-down clamps.
    - Carefully lift and remove the old battery.
3. **Inspect and Clean:**
    - Inspect the battery tray for corrosion or damage. Clean with a wire brush and baking soda solution if necessary.
    - Ensure battery cables are clean and free of corrosion.
4. **Install New Battery:**
    - Place the Part Synergy battery into the battery tray, ensuring it is seated securely.
    - Secure the battery with the hold-down clamp to prevent movement.
5. **Connect Cables:**
    - First, connect the positive (+) terminal cable (red) to the positive post of the new battery. Tighten securely.
    - Then, connect the negative (-) terminal cable (black) to the negative post of the new battery. Tighten securely.
    - **Important:** Connecting cables in the wrong order can cause sparks and damage to the vehicle's electrical system.
6. **Final Check:** Ensure all connections are tight and the battery is stable.



Image 2: A close-up view of the top terminals on the Part Synergy battery, showing the positive (red) and negative (black) posts for cable connection.

Operating Instructions

The Part Synergy 12V 800 CCA AGM battery is designed for reliable starting power and consistent performance in various automotive applications. As an AGM battery, it offers enhanced vibration resistance and spill-proof operation.

- **Initial Charge:** While typically shipped fully charged, it is recommended to verify the battery's voltage before first use. If below 12.6V, a full charge is advised.
- **Vehicle Operation:** The battery will be charged by the vehicle's alternator during normal operation.
- **Storage:** If the vehicle or battery will be stored for an extended period, disconnect the battery or use a trickle charger to maintain charge and prevent deep discharge.

Maintenance

This Part Synergy AGM battery features a low-maintenance design. However, periodic checks can help ensure its longevity and performance.

- **Terminal Cleaning:** Periodically inspect battery terminals and cables for corrosion. Clean with a wire brush and battery terminal cleaner if necessary. Ensure connections remain tight.
- **Battery Tray:** Keep the battery tray clean and dry.
- **Voltage Check:** For optimal performance, check the battery's open-circuit voltage every few months, especially during periods of inactivity. A fully charged 12V battery should read approximately 12.6V or higher.
- **Charging:** If the battery voltage drops significantly, recharge it using a charger compatible with AGM batteries. Avoid overcharging.



Image 3: A side view of the Part Synergy battery, highlighting its robust casing and the "OPTIMA BATTERIES" branding, indicating its durable construction.

Troubleshooting

If you experience issues with your battery, consider the following common troubleshooting steps:

- **Engine Cranks Slowly or Not at All:**
  - Check battery terminal connections for tightness and corrosion.
  - Verify battery voltage. If low, the battery may need recharging or replacement.
  - Ensure the alternator is functioning correctly to charge the battery.
- **Lights Dim or Electrical Accessories Malfunction:**
  - This often indicates a low battery charge. Recharge the battery.
  - Inspect for parasitic drains on the electrical system when the vehicle is off.
- **Battery Not Holding a Charge:**
  - Ensure the charging system (alternator) is working correctly.
  - The battery may have been deeply discharged multiple times, reducing its capacity.
  - If the battery is old, its lifespan may be nearing its end.

If these steps do not resolve the issue, consult a qualified automotive technician.

Specifications

Feature	Specification
Brand	Part Synergy

Feature	Specification
Model Number	O10-H6
Voltage	12 Volt
Cold Cranking Amps (CCA)	800 Amp
Electrolyte Style	AGM (Absorbed Glass Mat)
Terminal Type	Top Terminals
Length	10.94 inches
Width	6.89 inches
Height	7.48 inches
Universality	Semi-Universal
Special Features	Eco-Friendly & Sustainable, Low Maintenance Design, Marine-Grade Durability



Image 4: An angled view of the Part Synergy battery, providing a visual reference for its overall size and form factor, which is important for fitment.

Warranty and Support

For information regarding the warranty of your Part Synergy battery, please refer to the warranty documentation included with your purchase or visit the official Part Synergy website. For technical support or further assistance, please contact Part Synergy customer service directly.
Manufacturer: OPTIMA BAT. PART (as per product specifications)
Brand: Part Synergy

© 2025 Part Synergy. All rights reserved. Information subject to change without notice.

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

Open the live page

https://manuals.plus/asin/B0F7HZ2HBZ

More documents and user manuals: **https://manuals.plus/**