

Crown CR-GC150

Crown CR-GC150 12V Deep Cycle Golf Cart Battery Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use, installation, maintenance, and troubleshooting of your Crown CR-GC150 12V Deep Cycle Golf Cart Battery. Please read this manual thoroughly before using the battery and retain it for future reference.

2. PRODUCT OVERVIEW

The Crown CR-GC150 is a 12-volt deep cycle flooded/wet lead-acid battery designed for superior performance, durability, and reliability. It is suitable for various deep cycle applications including golf carts, marine vessels, RVs, solar energy systems, floor scrubbers, and other industrial uses. This battery is a direct replacement for the Trojan T-1275 model.

Key features include:

- **Voltage:** 12 volts
- **Capacity:** 150Ah (20 Hr Rate)
- **Reserve Capacity (RC) @ 75 Amps:** 103 Minutes
- **Weight:** 81 lbs
- **BCI Group:** GC12
- **Chemistry:** Lead Acid (Flooded/Wet)
- **Case Material:** Polypropylene
- **Terminals:** SAE Automotive Post and Threaded Stud
- Durable and reliable construction for consistent performance.
- One-piece solid cast design for lower internal resistance.
- Dense TBLS (tetra basic lead sulfate) content in positive plate for longer life.
- Utilizes heavy, thick plates for more power and extended life.



Image: Four Crown CR-GC150 12V Deep Cycle Golf Cart Batteries, showcasing their robust design.

3. SAFETY INFORMATION

WARNING: Batteries contain sulfuric acid and produce explosive gases. Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and protective clothing when handling batteries.

- Keep batteries away from open flames, sparks, and smoking materials.
- Ensure adequate ventilation when charging or using batteries.
- Avoid contact with battery acid. In case of contact, flush immediately with water and seek medical attention.
- Do not tip the battery. Keep vent caps tight and level.
- Always disconnect the negative (-) terminal first and reconnect it last to prevent accidental short circuits.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 Warning).

4. SPECIFICATIONS

Feature	Specification
Part Number	CR-GC150
Replaces	Trojan T1275
Voltage	12 volts
Weight	81 lbs
BCI Group	GC12
Chemistry	Lead Acid (Flooded/Wet)
Case Material	Polypropylene

Feature	Specification
Terminals	SAE Automotive Post and Threaded Stud
Capacity (20 Hr Rate)	150Ah
Reserve Capacity (RC) @ 75 Amps	103 Minutes
UPC	850041312613

5. SETUP AND INSTALLATION

Proper installation is crucial for battery performance and safety. Always refer to your equipment's specific manual for detailed installation instructions.

- 1. Inspection:** Before installation, visually inspect the battery for any signs of damage, cracks, or leaks.
- 2. Ventilation:** Ensure the battery compartment is well-ventilated to prevent the buildup of explosive gases.
- 3. Mounting:** Secure the battery in an upright position to prevent movement or tipping during operation.
- 4. Connections:** Clean battery terminals and cable connectors thoroughly before making connections. Connect cables in the correct polarity: positive (+) to positive (+) and negative (-) to negative (-). Tighten all connections securely to prevent arcing and overheating.
- 5. Terminal Protection:** Cover terminals with insulating caps to prevent accidental short circuits.



Image: Top view of a Crown CR-GC150 battery, illustrating the six removable fill caps and the SAE automotive post and threaded stud terminals for proper connection and maintenance.

6. OPERATING INSTRUCTIONS

The Crown CR-GC150 is a deep cycle battery, designed to be discharged and recharged repeatedly. Follow these guidelines for optimal performance:

- Initial Charge:** Fully charge the battery before its first use.
- Regular Charging:** Recharge the battery after each use, especially after significant discharge. Avoid leaving the battery in a discharged state for extended periods.
- Charger Compatibility:** Use a charger specifically designed for 12V flooded lead-acid deep cycle batteries.
- Avoid Over-Discharge:** While deep cycle batteries are designed for deep discharges, consistently discharging them below 50% can shorten their lifespan.
- Temperature:** Battery performance is affected by temperature. Cold temperatures reduce capacity, while high temperatures can shorten lifespan.

Your browser does not support the video tag.

Video: An overview of the Crown CR-GC150 12V Deep Cycle Golf Cart Battery, highlighting its features and applications.

7. MAINTENANCE

Regular maintenance is essential for maximizing the lifespan and performance of your flooded lead-acid battery.

1. **Check Electrolyte Levels:** Periodically check the electrolyte (water) levels in each cell. This should be done monthly or more frequently depending on usage and temperature.
2. **Refill with Distilled Water:** If electrolyte levels are low, add only distilled water to each cell. Do not use tap water or battery acid. Fill to the indicator ring or approximately 1/8 inch below the bottom of the vent well. Do not overfill.
3. **Clean Terminals:** Keep battery terminals clean and free of corrosion. Use a wire brush and a solution of baking soda and water to clean any corrosion. Rinse with clean water and dry thoroughly. Apply a thin coat of petroleum jelly or anti-corrosion spray to the terminals.
4. **Keep Battery Clean:** Wipe down the battery top and sides with a damp cloth to remove dirt and grime.
5. **Vent Caps:** Ensure all vent caps are securely tightened after checking and refilling.

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Video: Demonstrates the importance of regular maintenance for flooded lead-acid batteries, specifically showing how to check and refill water levels to prolong battery life. This applies to the Crown CR-GC150.

8. TROUBLESHOOTING

If you encounter issues with your Crown CR-GC150 battery, consider the following common problems and solutions:

- **Battery Not Holding Charge:**
 - Check charger functionality and ensure it's appropriate for lead-acid batteries.
 - Verify electrolyte levels and add distilled water if low (refer to Maintenance section).
 - Inspect terminals and connections for corrosion or looseness. Clean and tighten as necessary.
 - If the battery is old, it may have reached the end of its service life.
- **Reduced Run Time:**
 - Ensure the battery is being fully charged after each use.
 - Check for excessive load on the battery (e.g., additional accessories).
 - Verify electrolyte levels and specific gravity in each cell.
- **Corrosion on Terminals:**
 - Clean terminals regularly as described in the Maintenance section.
 - Ensure proper ventilation to dissipate gases that contribute to corrosion.

For persistent issues or if you suspect a battery fault, consult a qualified battery technician or contact customer support.




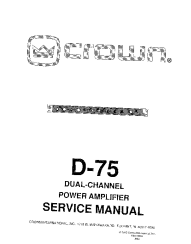

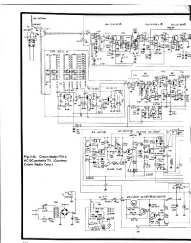
9. WARRANTY AND SUPPORT

The Crown CR-GC150 battery typically comes with a 12-month warranty. Please refer to your purchase

documentation for specific warranty terms and conditions.

For technical assistance, warranty claims, or further inquiries, please contact the seller or manufacturer directly. Ensure you have your purchase details and battery model number available when contacting support.

Related Documents - CR-GC150

	<p>Crown V-HFM3 Series High-Frequency Modular Chargers</p> <p>Discover the Crown V-HFM3 Series, a versatile, smart, and efficient modular battery charger designed for forklift fleets. Learn about its advanced intelligence, energy savings, flexibility, and seamless connectivity for lead-acid and lithium-ion batteries.</p>
	<p>Crown SP 3580F Stockpicker: Specifications and Features</p> <p>Detailed specifications and key features of the Crown SP 3580F Four-Point Stockpicker, a versatile material handling equipment designed for warehouse operations. Includes dimensions, load capacity, performance data, and advanced system controls.</p>
	<p>Crown D-150A II Power Amplifier Owner's Manual</p> <p>Comprehensive owner's manual for the Crown D-150A II stereo power amplifier, detailing its features, installation, operation, and technical specifications for professional audio use.</p>
	<p>Crown D-75 Dual-Channel Power Amplifier Service Manual</p> <p>This service manual provides comprehensive technical information for the Crown D-75 Dual-Channel Power Amplifier, including specifications, schematics, maintenance procedures, and troubleshooting guides for experienced technicians.</p>
	<p>Crown WP 3000 Series Operator Manual: Safety and Operation Guide</p> <p>Official operator manual for the Crown WP 3000 Series walkie pallet truck. Contains essential safety instructions, operational procedures, parts identification, and maintenance guidelines for certified users. Learn to operate your Crown pallet truck safely and efficiently.</p>
	<p>Crown 7TV-2 AC-DC Portable TV Schematic Diagram</p> <p>Detailed schematic diagram for the Crown Model 7TV-2 AC-DC portable television, illustrating RF, IF, audio, and power supply circuits with component designations.</p>

