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Hyper Tough AQ85000G

Hyper Tough AQ85000G 8-Volt Lithium Ion Rotary Tool

Instruction Manual

1. INTRODUCTION

Thank you for purchasing the Hyper Tough AQ85000G 8-Volt Lithium Ion Rotary Tool. This versatile cordless tool is designed for a wide range of applications, including cleaning, cutting, sharpening, grinding, engraving, sanding, polishing, and carving. Its compact design and powerful lithium-ion battery make it an essential tool for various projects.



Figure 1: Hyper Tough AQ85000G Rotary Tool and Charger. The image shows the red and black rotary tool alongside its black power adapter.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Before operating the tool, read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool.
- **Work area safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when necessary.
- **Tool use and care:** Do not force the power tool. Use the correct power tool for your application. It will do the job better and safer at the rate for which it was designed. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery tool use and care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, please contact customer support.

- Hyper Tough AQ85000G 8-Volt Lithium Ion Rotary Tool
- Battery Charger
- 40-Piece Accessory Kit (including diamond-point bit, sanding bands, grinding wheel, polishing wheel, sanding drum, cut-off wheels, wire and nylon brushes, etc.)
- Instruction Manual

4. SETUP

4.1 Charging the Battery

The rotary tool is powered by an 8-volt, 2,000mAH lithium-ion battery. For optimal performance and battery life, fully charge the battery before first use.

1. Locate the charging port on the rotary tool.
2. Connect the charger plug into the charging port.
3. Plug the charger into a standard electrical outlet.
4. The battery indicator lights on the tool will illuminate to show charging progress. Refer to the tool's display for charge status.
5. Once fully charged, disconnect the charger from the tool and the outlet.

4.2 Installing Accessories

The tool comes with a variety of accessories for different tasks. Ensure the tool is turned off before changing accessories.

1. Press and hold the spindle lock button located near the collet. This prevents the spindle from rotating.
2. Unscrew the collet nut counter-clockwise until it is loose enough to insert an accessory.
3. Insert the shank of the desired accessory fully into the collet.
4. While still holding the spindle lock button, tighten the collet nut clockwise until the accessory is securely held. Do not overtighten.

5. Release the spindle lock button.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Speed Control

The Hyper Tough rotary tool features easy push-button speed control.

- To turn the tool **ON**, press the power button (). The tool will start at its lowest speed setting.
- To **increase speed**, press the '+' button. The speed ranges from 5,000 RPM to 30,000 RPM. Indicator lights will show the current speed setting (5, 10, 15, 20, 25, 30 x 1000 RPM).
- To **decrease speed**, press the '-' button.
- To turn the tool **OFF**, press the power button () again.

5.2 Applications

The 40-piece accessory kit allows for diverse applications. Always select the appropriate accessory and speed for the material and task.

- **Cleaning & Polishing:** Use wire brushes or polishing wheels for cleaning surfaces or bringing a shine to metals and plastics.
- **Sanding:** Attach sanding bands or discs for smoothing rough edges, shaping, or preparing surfaces for finishing.
- **Grinding & Sharpening:** Utilize grinding wheels for sharpening tools, deburring, or shaping hard materials.
- **Cutting:** Employ cut-off wheels for precise cuts in various materials. Ensure proper safety guards are in place if applicable.
- **Engraving & Carving:** Use diamond-point bits or carving bits for detailed work on wood, metal, glass, or plastic.

Always test on a scrap piece of material first to determine the optimal speed and pressure for your specific task.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your rotary tool.

6.1 Cleaning

- Always disconnect the tool from the charger before cleaning.
- Wipe the tool's exterior with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Use a soft brush or compressed air to clear dust and debris from the ventilation slots and around the collet area.

6.2 Battery Care

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store the battery in a completely discharged state for extended periods. Charge it periodically if not in use.
- Avoid dropping or subjecting the battery to strong impacts.

6.3 Accessory Replacement

Replace worn or damaged accessories promptly to maintain performance and safety. Follow the "Installing Accessories" steps in Section 4.2 to replace accessories.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool does not turn on.	Battery is discharged.	Charge the battery fully.
Tool loses power during operation.	Battery is low or accessory is jammed.	Recharge battery. Check for obstructions and clear if necessary.
Accessory wobbles or falls out.	Accessory not properly secured or collet is worn.	Ensure accessory shank is fully inserted and collet nut is tightened. Replace collet if worn.
Tool overheats.	Prolonged heavy use or blocked ventilation.	Allow tool to cool down. Clear ventilation slots. Reduce load.

8. SPECIFICATIONS

- **Model:** AQ85000G
- **Brand:** Hyper Tough
- **Voltage:** 8 Volts
- **Power Source:** Cordless-electric
- **Battery Type:** Lithium Ion (2,000mAh)
- **Minimum Rotational Speed:** 5,000 RPM
- **Maximum Rotational Speed:** 30,000 RPM
- **Dimensions (L x W x H):** 11.5 x 8.2 x 3 inches (approximate)
- **Weight:** 0.6 Kilograms (approximate package weight)
- **UPC:** 889526159825

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or visit the official Hyper Tough website. Keep your purchase receipt as proof of purchase for any warranty claims.

