

Hyper Tough AQ15013G

Hyper Tough AQ15013G 6.0A Angle Grinder Instruction Manual

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1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and care of your Hyper Tough AQ15013G 6.0A Angle Grinder. Please read this manual thoroughly before using the tool and keep it for future reference. Understanding and following these instructions will help ensure safe operation and prolong the life of your tool.

2. IMPORTANT SAFETY INFORMATION

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection for appropriate conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Specific Safety Rules for Grinders

- Always use a wheel guard that is properly secured and positioned for maximum safety.
- Ensure the accessory is correctly attached and tightened before use.
- Do not use damaged or incorrect grinding wheels. Always use wheels rated for the grinder's speed.
- Hold the tool firmly with both hands during operation.
- Keep hands clear of rotating accessories.
- Be aware of sparks and flying debris. Ensure bystanders are at a safe distance.

California Proposition 65 Warning

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are: Lead from lead-based paints, Crystalline silica from bricks and cement and other masonry products, and Arsenic and chromium from chemically treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

3. PRODUCT OVERVIEW

The Hyper Tough AQ15013G is a 6.0A angle grinder designed for various grinding and cutting tasks on metal or masonry. It features a powerful ball-bearing motor that provides smooth operation and an adjustable guard for enhanced safety.



Figure 3.1: Hyper Tough 6.0A Angle Grinder in its retail packaging, highlighting key features.

Components:

- **6.0A Motor:** Powerful motor for demanding tasks.
- **Die-cast Gear Housing:** Durable construction for long-term wear.
- **Top-mounted Slide Lock Switch:** For easy tool activation and continuous operation.

- **Spindle Lock:** Facilitates quick and easy wheel changes.
- **Adjustable Metal Wheel Guard:** Provides protection from sparks and debris, adjustable for different angles.
- **Screw-on Side Handle:** Can be mounted on either side for left or right-handed use.
- **4 1/2 inch Grinding Wheel:** One grinding wheel is included for immediate use.
- **Mounting Wrench:** Included for wheel installation and removal.
- **6 ft. Power Cord:** Provides ample reach.



Figure 3.2: The angle grinder displayed with its included accessories: side handle, wrench, and grinding wheel.



Figure 3.3: The Hyper Tough angle grinder with a 4 1/2 inch grinding wheel properly installed and the adjustable guard in position.



Figure 3.4: A close-up view of the included 4 1/2 inch (115mm) metal grinding wheel, showing its specifications and safety pictograms.

4. SETUP AND ASSEMBLY

Before operating the angle grinder, ensure it is properly assembled and all components are securely fastened.

1. **Attaching the Side Handle:** The side handle can be screwed into either of the two threaded holes on the gear housing. Choose the side that provides the most comfortable and secure grip for your dominant hand. Tighten the handle firmly by hand.
2. **Adjusting the Wheel Guard:** The metal wheel guard is adjustable. Loosen the guard clamp screw, rotate the guard to a position that best protects against sparks and debris for your specific task, then tighten the clamp screw firmly to secure the guard in place. Ensure the guard is always positioned between you and the rotating wheel.
3. **Installing/Changing Grinding Wheels:**
 - a. Ensure the tool is unplugged from the power source.
 - b. Press and hold the spindle lock button located on the top of the gear housing.
 - c. Using the included mounting wrench, loosen and remove the outer flange nut by turning it counter-clockwise.

- d. Place the desired 4 1/2 inch grinding or cutting wheel onto the spindle, ensuring it sits flush against the inner flange. The wheel should fit snugly without excessive play.
- e. Re-attach the outer flange nut and tighten it securely with the wrench while continuing to hold the spindle lock button. Do not overtighten.
- f. Release the spindle lock button and manually spin the wheel to ensure it is properly seated and rotates freely without wobbling.

5. OPERATING INSTRUCTIONS

Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves, before operating the angle grinder.

1. **Power Connection:** Ensure the tool's slide lock switch is in the "OFF" (rearward) position before plugging the 6 ft. power cord into a suitable 120V AC power outlet.
2. **Starting the Tool:** To start the grinder, slide the top-mounted lock switch forward. For continuous operation, push the switch further forward until it locks into place.
3. **Stopping the Tool:** To stop the grinder, release the slide lock switch. If the switch is locked for continuous operation, press the rear of the switch to release it, and the tool will power off.
4. **Grinding/Cutting Technique:**
 - a. Always hold the grinder firmly with both hands, one on the main handle and one on the side handle.
 - b. Allow the grinding wheel to reach full operating speed (11,500 RPM) before contacting the workpiece.
 - c. Apply light, even pressure. Do not force the tool, as this can lead to kickback, wheel damage, or motor strain.
 - d. Maintain a stable stance and keep bystanders clear of the work area.
 - e. Direct sparks and debris away from yourself, others, and flammable materials.
 - f. For cutting, use a cutting wheel and make shallow passes, gradually deepening the cut.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your angle grinder. Always unplug the tool before performing any maintenance.

- **Cleaning:** Regularly clean the tool's ventilation openings to prevent dust buildup and overheating. Use a soft brush or compressed air to clear debris. Do not use water or chemical solvents, as they can damage the tool.
- **Wheel Inspection:** Before each use, inspect the grinding or cutting wheel for cracks, chips, excessive wear, or any other damage. Replace damaged wheels immediately. Never use a wheel that is not in perfect condition.
- **Cord Inspection:** Periodically check the power cord for any signs of damage, such as cuts, fraying, or exposed wires. Do not use the tool if the cord is damaged; have it repaired by a qualified technician.
- **Brush Replacement:** Carbon brushes may wear down over time. If the tool experiences reduced power or intermittent operation, the brushes may need inspection or replacement. This should be performed by a qualified service center.
- **Storage:** Store the angle grinder in a dry, secure place where it is protected from moisture and extreme temperatures. Keep it out of reach of children and unauthorized users.

7. TROUBLESHOOTING

If you encounter issues with your Hyper Tough AQ15013G Angle Grinder, refer to the table below for common problems and solutions.

| Problem | Possible Cause | Solution |
|---|---|---|
| Tool does not start | No power supply; Faulty switch; Damaged power cord | Check power outlet and circuit breaker; Inspect power cord for damage; Ensure switch is fully engaged; Contact qualified service personnel if issues persist. |
| Excessive vibration during operation | Damaged or improperly installed wheel; Loose components (e.g., side handle, guard); Worn motor bearings | Inspect and replace wheel if necessary; Ensure wheel is correctly seated and flange nut is tightened; Check all components for tightness; If vibration persists, seek professional service. |
| Tool overheats quickly | Blocked ventilation openings; Overloading the tool; Continuous heavy use | Clean ventilation slots thoroughly; Reduce pressure on the workpiece; Allow the tool to cool down periodically during extended use. |
| Reduced power or intermittent operation | Worn carbon brushes; Loose electrical connections | Have carbon brushes inspected and replaced by a qualified technician; Check power cord connections. |

8. SPECIFICATIONS

Key technical specifications for the Hyper Tough AQ15013G 6.0A Angle Grinder:

Model: AQ15013G

Motor: 6.0 Amp

No-Load Speed: 11,500 RPM

Wheel Diameter: 4 1/2 inches (115mm)

Power Cord Length: 6 ft. (1.8 m)

Product Dimensions (L x W x H): 13.74 x 8.87 x 6.71 inches

Item Weight: 4.93 pounds

Voltage: 120V AC, 60Hz

9. WARRANTY AND SUPPORT

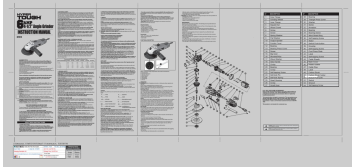
The Hyper Tough AQ15013G 6.0A Angle Grinder comes with a 2-year limited warranty. This warranty covers defects in material and workmanship under normal use. For warranty claims, technical support, or to locate an authorized service center, please refer to the contact information provided with your original purchase documentation or visit the official Hyper Tough website. Please retain your proof of purchase for warranty validation.

Related Documents - AQ15013G

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|  | <p>Hyper Tough 6 Amp 4-1/2" Angle Grinder Instruction Manual</p> <p>Instruction manual for the Hyper Tough 6 Amp 4-1/2" Angle Grinder, covering safety guidelines, specifications, operation, maintenance, and parts list.</p> |
|  | <p>Hyper Tough HT19-401-003-11 20V Max Cordless Chain Saw Quick Start Guide</p> <p>Quick start guide for the Hyper Tough HT19-401-003-11 20V Max Cordless Chain Saw, covering charging, battery installation, assembly, and safe operation procedures.</p> |
|  <p>Electronic Version of this Manual Available on Walmart.com</p> | <p>Hyper Tough 1.5AMP Detail Sander Instruction Manual</p> <p>Comprehensive instruction manual for the Hyper Tough 1.5AMP Detail Sander (Model AQ20021G), covering safety guidelines, operation, maintenance, specifications, and warranty information.</p> |
|  <p>Operating Instructions Safety Information</p> <p>Features and Benefits</p> <p>The Hyper Tough HT300 OBD2 Code Reader is designed to read and clear OBD2 codes from all OBD2 equipped vehicles. Check Engine, MIL, and other codes. Retrieve generic and manufacturer specific codes. Display Freeze Frame Data.</p> | <p>HYPER TOUGH HT300 OBD2 Code Reader User Manual</p> <p>This comprehensive user manual provides operating instructions and safety information for the HYPER TOUGH HT300 OBD2 Code Reader. Learn to troubleshoot 1996 and newer OBD2 vehicles, decode 'Check Engine' light problems, retrieve generic and manufacturer-specific codes, and display Freeze Frame Data.</p> |
|  <p>Electronic Version of this Manual Available on Walmart.com</p> | <p>Hyper Tough 2.0 Amp 1/4 Sheet Sander Instruction Manual</p> <p>Instruction manual for the Hyper Tough 2.0 Amp 1/4 Sheet Sander (Model AQ20019G), covering safety guidelines, tool anatomy, operation, installation, troubleshooting, maintenance, specifications, and warranty information.</p> |

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| <p>Hyper Tough 40V MAX 12" Cordless Self-Oiling Chainsaw - HT19-401-003-04 FAQs</p> <p>Get answers to common questions about the Hyper Tough 40V MAX 12" Cordless Self-Oiling Chainsaw (HT19-401-003-04). Learn about battery compatibility, chain assembly, oil usage, maintenance, and warranty details.</p> | <p>Hyper Tough 40V MAX 12" Cordless Self-Oiling Chainsaw: FAQs, Manual Info & Warranty</p> <p>Get answers to common questions about the Hyper Tough 40V MAX 12" Cordless Self-Oiling Chainsaw (HT19-401-003-04). Learn about battery compatibility, chain assembly, oil usage, maintenance, and warranty details.</p> |
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Documents - Hyper Tough – AQ15013G



[Hyper Tough 6 Amp 4-1/2" Angle Grinder Instruction Manual](#)

Instruction manual for the Hyper Tough 6 Amp 4-1/2" Angle Grinder, covering safety guidelines, specifications, operation, maintenance, and parts list.

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