



# HEAVY-DUTY ½" ELECTRIC DRILL

MODEL H0777

## INSTRUCTION MANUAL



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1821 VALENCIA ST., BELLINGHAM, WA 98227

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PRINTED IN CHINA



# **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 chemical are:**

- **Lead from lead-based paints.**
- **Crystalline silica from bricks, cement and other masonry products.**
- **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.**

# SAFETY

## WARNING

### For Your Own Safety Read Instruction Manual Before Operating This Equipment

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

#### DANGER

Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

#### WARNING

Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

#### CAUTION

Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.

#### NOTICE

This symbol is used to alert the user to useful information about proper operation of the equipment.

## WARNING

### Safety Instructions For Power Tools

1. **KEEP ALL SAFETY DEVICES IN PLACE** and in working order.
2. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning on.
3. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
4. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or where any flammable or noxious fumes may exist. Keep work area well lighted.
5. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
6. **MAKE WORK SHOP CHILD PROOF** with padlocks, master switches, or by removing starter keys.
7. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
8. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.

# **WARNING**

## **Safety Instructions For Power Tools**

- 9. USE PROPER EXTENSION CORD** for the tool. Make sure your extension cord is in good condition. Conductor size should be in accordance with the chart below. The amperage rating should be listed on the motor or tool nameplate. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Your extension cord must also contain a ground wire and plug pin. Always repair or replace extension cords if they become damaged.

Minimum Gauge for Extension Cords

| <b>AMP<br/>RATING</b> | <b>LENGTH</b> |             |              |
|-----------------------|---------------|-------------|--------------|
|                       | <b>25ft</b>   | <b>50ft</b> | <b>100ft</b> |
| 0-6                   | 18            | 16          | 16           |
| 7-10                  | 18            | 16          | 14           |
| 11-12                 | 16            | 16          | 14           |
| 13-16                 | 14            | 12          | 12           |
| 17-20                 | 12            | 12          | 10           |
| 21-30                 | 10            | 10          | No           |

- 10. WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
- 11. ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
- 12. SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.
- 13. DON'T OVERREACH.** Keep proper footing and balance at all times.

- 14. MAINTAIN TOOLS WITH CARE.**

Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

- 15. DISCONNECT TOOLS** before servicing and changing accessories, such as blades, bits, cutters, and the like.

- 16. REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.

- 17. USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury.

- 18. CHECK DAMAGED PARTS.**

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

## **CAUTION**

No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment or poor work results.

# INTRODUCTION

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## Commentary

We are proud to offer the Grizzly Model H0777 Heavy-Duty ½" Electric Drill. The Model H0777 is part of a growing Grizzly family of fine power tools. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation and proof of Grizzly's commitment to customer satisfaction.

The Model H0777 is a powerful electric drill capable of boring through wood, metal and plastics with a variable speed up to 2500 RPM. The sturdy side handle aids in the tough jobs and can be adjusted for right or left hand use. A number of accessories for sanding, polishing, and buffing for the Model H0777 are also available through the Grizzly catalog.

We are pleased to provide this manual with the Model H0777. It was written to encourage safety considerations and guide you through general operating procedures and maintenance. It represents our effort to produce the best documentation possible.

The specifications, details, and photographs in this manual represent the Model H0777 as supplied when the manual was prepared. However, owing to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly. If you have any comments regarding this manual, please write to us at the address below:

Grizzly Industrial, Inc.  
% Technical Documentation  
P.O. Box 2069  
Bellingham, WA 98227-2069

Most importantly, we stand behind our tools. If you have any service questions or parts requests, please call or write us at the location listed below.

Grizzly Industrial, Inc.  
2406 Reach Road  
Williamsport, PA 17701  
Phone: (570) 546-9663  
Fax: (800) 438-5901

E-Mail: [techsupport@grizzly.com](mailto:techsupport@grizzly.com)  
Web Site: <http://www.grizzly.com>

## CAUTION

**To operate this, or any power tool, safely and efficiently, it is essential to become as familiar with its characteristics as possible. The time you invest before you begin to use your Model H0777 will be time well spent. DO NOT operate this machine until you are completely familiar with the contents of this manual. Make sure you read and understand all of the safety procedures. If you do not understand something, DO NOT operate the machine.**

# OPERATIONS

## Changing Bits

1. Remove the chuck key from the holder on the power cord.
2. Insert the chuck key into one of the three holes located on the side of the chuck.
3. Turn the chuck key counterclockwise. This will cause the three chuck jaws to open. When the chuck jaws are at the approximate diameter of the bit or driver, insert the shank end of the bit or driver into the jaw opening.
5. Turn the chuck key clockwise until the jaws close tightly around the bit or driver. Never "power tighten" which is holding the chuck while running the drill. This can cause serious injury to the operator's hands. Check for tightness periodically while using the tool.
6. To release the bit or driver, insert the chuck key and turn counter-clockwise.

### WARNING

Operating this equipment has the potential to propel debris into the air which can cause eye injury. Always wear safety glasses or goggles when operating equipment. Be certain the safety glasses you wear meet the appropriate standards of the American National Standards Institute (ANSI).

### WARNING

Operating this equipment has the potential for flying debris to cause eye injury. Always wear safety glasses or goggles when operating equipment. Everyday glasses or reading glasses only have impact resistant lenses, they are not safety glasses. Be certain the safety glasses you wear meet the appropriate standards of the American National Standards Institute (ANSI).

### WARNING

Like all power tools, there is danger associated with the Model G9909. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this tool with respect and caution to lessen the possibility of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

### WARNING

The Model H0777 was specifically designed for boring holes. **DO NOT MODIFY AND/OR USE THIS MACHINE FOR ANY OTHER PURPOSE.** Modifications or improper use of this tool will void the warranty. If you are confused about any aspect of this machine, **DO NOT** use it until you have answered all your questions. **Serious personal injury may occur.**

# MAINTENANCE

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## Guidelines and Tips

Regular periodic maintenance on your Model H0777 Heavy-Duty ½" Electric Drill will ensure its optimum performance. Make a habit of inspecting your drill each time you use it.

**Avoid overloading the drill.** Always use sharpened drill bits. Do not apply excessive pressure to the drill while using. If the speed drops abnormally, decrease pressure immediately. If the bit stops abruptly or becomes blocked, release the trigger at once.

**Ensure the safety of the workplace.** Clear the work area of all parts and debris that may cause injury by flying objects. Securely fix the object to be drilled or fastened in a vise or otherwise clamp to avoid injury. Do not attempt to hold workpiece by hand.

**Inspect the drill before use.** Run the drill before using to ensure all parts are running smoothly and there are no abnormal sounds or sparks. If any defect is found, have unit serviced.

**Know your worksite.** Only drill as deep as necessary. Check behind walls for wires, other electrical hazards, or plumbing.

## Maintenance

Continuous use of a worn or damaged bit will not only decrease working efficiency, but also overload the motor, so the bit must be frequently checked. Replace the bit if it is worn or damaged.

Periodically check all screws to be sure they are tight. If any screw is loose, tighten immediately.

Regularly clean your drill and make sure that no dust or grime builds up in the motor ventilation holes. If these holes become blocked, the motor will wear down faster than necessary. A good way to clean ventilation holes is to blow them out with compressed air. Just be sure to wear safety glasses when you do this.

A damp cloth is ideal for cleaning the drill body. Avoid excessive moisture, especially in areas around the ventilation holes. Also, avoid the use of solvents while cleaning the drill body. Solvents may damage the plastic.

Store tool in a dry place when not in use. Moisture in the internal parts of the drill may cause electrical problems.

Finally, leave lubrication and repair to qualified service professionals. This will ensure that you get years of faithful service from your Grizzly Heavy-Duty ½" Electric Drill.

# WARRANTY AND RETURNS

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Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number", which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

Grizzly Industrial, Inc.  
2406 Reach Road  
Williamsport, PA 17701  
Phone: (570) 546-9663  
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E-Mail:  
techsupport@grizzly.com

Web Site: <http://www.grizzly.com>

Thank you again for your business and continued support. We hope to serve you again soon.

# WARRANTY CARD

Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone Number \_\_\_\_\_ E-Mail \_\_\_\_\_ FAX \_\_\_\_\_  
Model # H0777 Heavy-Duty 1/2" Electric Drill Order # \_\_\_\_\_

The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. Of course, all information is strictly confidential.

1. How did you learn about us?  
☐ Advertisement ☐ Friend  
☐ Catalog ☐ Card Deck  
☐ World Wide Web  
☐ Other \_\_\_\_\_
2. What is your annual household income?  
☐ \$20,000-\$29,999 ☐ \$60,000-\$69,999  
☐ \$30,000-\$39,999 ☐ \$70,000-\$79,999  
☐ \$40,000-\$49,999 ☐ \$80,000-\$89,999  
☐ \$50,000-\$59,999 ☐ \$90,000 +
3. What is your age group?  
☐ 20-29 ☐ 50-59  
☐ 30-39 ☐ 60-69  
☐ 40-49 ☐ 70 +
4. How long have you been a woodworker?  
☐ 0 - 2 Years ☐ 8 - 20 Years  
☐ 2 - 8 Years ☐ 20+ Years
5. How would you rank your woodworking skills?  
☐ Simple ☐ Advanced  
☐ Intermediate ☐ Master Craftsman
6. What stationary woodworking tools do you own? Check all that apply.  
☐ Air Compressor ☐ Panel Saw  
☐ Band Saw ☐ Planer  
☐ Drill Press ☐ Power Feeder  
☐ Drum Sander ☐ Radial Arm Saw  
☐ Dust Collector ☐ Shaper  
☐ Spindle Sander ☐ Jointer  
☐ Table Saw ☐ Lathe  
☐ Mortiser ☐ Wide Belt Sander  
☐ Horiz.Boring Machine  
☐ Vacuum Veneer Press  
☐ Other \_\_\_\_\_
7. How many of your woodworking machines are Grizzly? \_\_\_\_\_
8. Which benchtop tools do you own? Check all that apply.  
☐ 1"x42" Belt Sander ☐ 6" - 8" Grinder  
☐ 5" - 8" Drill Press ☐ Mini Lathe  
☐ 8" Table Saw ☐ 8" - 10" Bandsaw  
☐ Scroll Saw ☐ Disc/Belt Sander  
☐ Spindle/Belt Sander ☐ Mini Jointer  
☐ 10"-12" Thickness Planer  
☐ Other \_\_\_\_\_
9. How many of the machines checked above are Grizzly? \_\_\_\_\_
10. Which portable/hand held power tools do you own? Check all that apply.  
☐ Belt Sander ☐ Orbital Sander  
☐ Biscuit Joiner ☐ Palm Sander  
☐ Circular Saw ☐ Portable Planer  
☐ Detail Sander ☐ Saber Saw  
☐ Drill/Driver ☐ Reciprocating Saw  
☐ Miter Saw ☐ Router  
☐ Other \_\_\_\_\_
11. What machines/supplies would you like Grizzly Industrial to carry?  
☐ 12" Table Saw ☐ Radial Arm Saw  
☐ 12" Jointer ☐ Panel Saw  
☐ Brass Hardware ☐ Lumber  
☐ Paint & Finishing Supplies  
☐ Contractor's Supplies  
☐ Combination Planer/Jointer  
☐ Other \_\_\_\_\_
12. What new accessories would you like Grizzly Industrial to carry?  
☐ Builders Hardware ☐ Hand Tools  
☐ Fasteners  
☐ Wood Components  
☐ Other \_\_\_\_\_
13. What other companies do you purchase your tools and supplies from?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
14. Do you think your purchase represents good value?  
☐ Yes ☐ No
15. Would you recommend Grizzly to a friend?  
☐ Yes ☐ No
16. Would you allow us to use your name as a reference for Grizzly customers in your area? **Note: We never use names more than three times.**  
☐ Yes ☐ No
17. Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Send a Grizzly Catalog to a friend:

|             |            |          |  |
|-------------|------------|----------|--|
| Name_____   |            |          |  |
| Street_____ |            |          |  |
| City_____   | State_____ | Zip_____ |  |

FOLD ALONG DOTTED LINE

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**GRIZZLY INDUSTRIAL, INC.**  
**P.O. BOX 2069**  
**BELLINGHAM, WA 98227-2069**

TAPE ALONG EDGES--PLEASE DO NOT STAPLE