



## **ELECTRIC SHEAR**

**MODEL H2867**

## **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.



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



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



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.



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 operation.
3. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
4. **DO NOT USE IN DANGEROUS ENVIRONMENT.** Do not 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 WORKSHOP CHILD PROOF** with padlocks, master switches, or by removing starter keys.
7. **DO NOT FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
8. **USE THE RIGHT TOOL.** Do not force tool or attachment to do a job for which it was not designed.
9. **DO NOT USE UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.**

# WARNING

## Safety Instructions For Power Tools

- 10. 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

AMP RATING	LENGTH		
	25ft	50ft	100ft
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

- 11. 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.
- 12. 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.
- 13. SECURE WORK.** Use clamps or a vise to hold work when practical. It is safer than using your hand and frees both hands to operate tool.
- 14. DO NOT OVERREACH.** Keep proper footing and balance at all times.
- 15. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16. DISCONNECT TOOLS** before servicing and changing accessories.
- 17. REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
- 18. USE THE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury.
- 19. 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.
- 20. NEVER LEAVE TOOL RUNNING UNATTENDED.** Turn the power off, and do not leave tool until it comes to a complete stop.
- 21. NEVER ALLOW UNTRAINED USERS TO RUN THIS TOOL WHILE UNSUPERVISED.**
- 22. IF YOU ARE UNSURE OF THE INTENDED OPERATION, STOP USING THE TOOL.** Seek formal training or research books or magazines that specialize in power tools.

# INTRODUCTION

## Commentary

We are proud to offer the Grizzly Model H2867 Electric Shear. This model 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.

This shear features a 2.4 amp motor,  $\frac{5}{32}$ " width of cut and 4500 strokes/min, cuts up to  $\frac{1}{16}$ " mild steel,  $\frac{3}{64}$ " stainless steel, is double insulated, 110V and weighs  $3\frac{1}{2}$  lbs.

We are pleased to provide this manual with the Model H2867. It was written to encourage safety considerations and guide you through general operating procedures and maintenance. This manual represents our effort to produce the best documentation possible.

The specifications, details, and photographs in this manual represent the Model H2867 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.  
1203 Lycoming Mall Circle  
Muncy, PA 17756

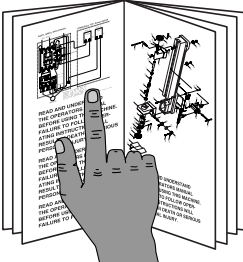
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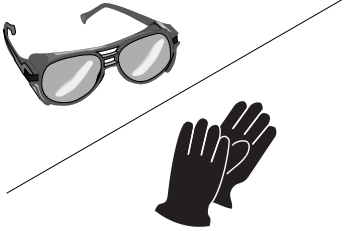
**! WARNING**



**Read the manual before assembly and operation. Become familiar with this tool, its safety instructions, and its operation before beginning any work. Serious personal injury may result if safety or operational information is not understood or followed.**

# OPERATION

## WARNING



Operating this shear can propel objects into the air, causing immediate eye damage. To protect yourself, always wear American National Standards Institute (ANSI) approved safety glasses or goggles when operating this equipment. To protect your hands, always wear leather hand protection when operating this shear.

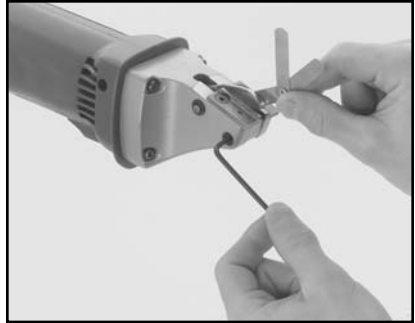


Figure 1. Setting gap with shims.

## Test Run

Your Model H2867 has a slide style ON/OFF switch as shown in **Figure 2**. Before performing any cutting operations, turn the shear ON and listen for any unusual noises. If everything appears to be in working order, you are ready to begin cutting.

## Adjustments

Your Model H2867 includes a set of three thickness shims: 0.005", 0.008" and 0.013". These shims are used to set the gap size between the side of the shear jaw and the moving cutter. Depending on the thickness of the material you intend to cut, one of the three thickness shims is used to set the desired gap. The following is a general guideline for correct adjustment:

Sheet Metal	Shim
• 25 Gauge	0.005"
• 19 Gauge	0.008"
• 16 Gauge	0.013"

Use the supplied Allen® wrench to adjust the gap of the cutting jaws as shown in **Figure 1**.

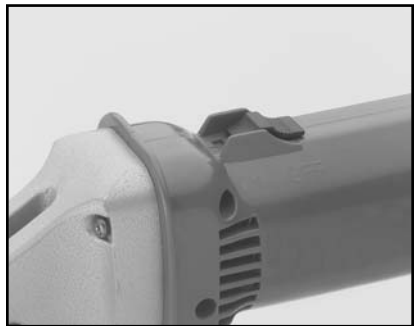


Figure 2. ON/OFF switch.

## Operation

If you are cutting a large dimension of sheet metal, use a large flat working surface such as a workbench to support the work as shown in **Figure 3**. Once the cut lines have been determined, turn the shears ON and begin the cut.



**Figure 3.** Cutting large stock.

If you need to trim small pieces of sheet metal, use the shear in a stationary position while pulling the metal through the shears, towards your body as shown in **Figure 4**. Avoid letting your fingers get too close to the moving jaws.

If everything is in proper adjustment and working order, there should be a spiral trail of sheet metal exiting the shear as you make your cut.



**Figure 4.** Cutting small stock.

# MAINTENANCE

## Oiling Shear

Periodically oil your new Grizzly shear to help maintain its useful life. Place one drop of light machine oil in the shear jaws (as shown in **Figure 5**) before every use. Wipe off any excess oil to avoid dust build-up.

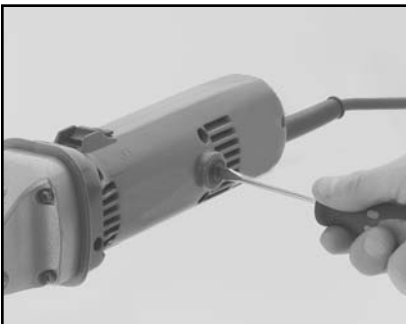


**Figure 5.** Lubricating shear.

## Changing Brushes

Over time, the motor brushes will become worn and loaded with carbon deposits. This will dramatically lower the performance of the electrical motor.

An extra pair of brushes has been included. To change the brushes, unscrew the small caps on the sides of the shear body as shown in **Figure 6**.



**Figure 6.** Removing brushes.

Slide the old brushes out of the slots and replace with the fresh set as shown in **Figure 7**. Screw the caps back into the shear body and the shear is ready for use.



**Figure 7.** Replacing brushes.

## Cleaning Shear

Use a good solvent to clean the jaw assembly of the shear. Avoid getting solvent on the plastic body of the shear as it may damage the plastic. Always be sure that the shear is dry before using it again.

Do not allow dust, chips, sand, etc. into the air vent holes. This could lead to motor failure and premature bushing failure.



**Never use use gasoline or other flammable liquids to clean this tool. Vapors in the tool may ignite, causing the tool to explode. Ignoring this warning may lead to serious personal injury or even death!**



# NOTES

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# 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 Authorization 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.  
1203 Lycoming Mall Circle  
Muncy, PA 17756  
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 # \_\_\_\_\_ Order # \_\_\_\_\_

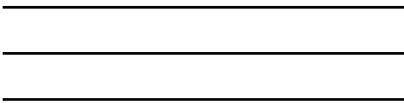
The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. Of course, all information is strictly confidential.

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- 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 +
- What is your age group?  
 20-29  50-59  
 30-39  60-69  
 40-49  70 +
- How long have you been a woodworker?  
 0 - 2 Years  8 - 20 Years  
 2 - 8 Years  20+ Years
- How would you rank your woodworking skills?  
 Simple  Advanced  
 Intermediate  Master Craftsman
- 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 \_\_\_\_\_
- How many of your woodworking machines are Grizzly? \_\_\_\_\_
- 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 \_\_\_\_\_
- How many of the machines checked above are Grizzly? \_\_\_\_\_
- 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 \_\_\_\_\_
- What machines/supplies would you like Grizzly Industrial to carry?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- What new accessories would you like Grizzly Industrial to carry?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- What other companies do you purchase your tools and supplies from?  
\_\_\_\_\_  
\_\_\_\_\_
- Do you think your purchase represents good value?  
 Yes  No
- Would you recommend Grizzly to a friend?  
 Yes  No
- 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
- Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Send a Grizzly Catalog to a friend:

Name_____
Street_____
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FOLD ALONG DOTTED LINE



Place  
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