

Grizzly Industrial, Inc.®

2000 LB ELECTRIC WINCH

MODEL H0937

INSTRUCTION MANUAL



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1821 VALENCIA ST., BELLINGHAM, WA 98227

**WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE
OR FORM WITHOUT THE WRITTEN APPROVAL OF GRIZZLY INDUSTRIAL, INC.**

PRINTED IN CHINA

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

General Safety Instructions

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 winch before operation.
3. **KEEP CHILDREN AWAY.** All children should be kept at a safe distance from winch.
4. **DO NOT USE UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.**
5. **NEVER ALLOW UNTRAINED USERS TO RUN THIS WINCH WHILE UNSUPERVISED.**
6. **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.
7. **ALWAYS USE SAFETY GLASSES.** Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
8. **IF YOU ARE UNSURE OF THE INTENDED OPERATION, STOP USING THE WINCH.**

WARNING

Safety Instructions For The Grizzly Winch

1. Be sure the battery is in good condition. Avoid contact with battery acid.
2. Always wear ANSI approved eye protection when operating winch.
3. Run the engine while operating the winch to avoid wearing down battery.
4. Do not stand in line with cable while the winch is operating. If the cable breaks it will whip back along this line.
5. Keep all loose clothing, hair, jewelry and hands away from operating winch.
6. Use a spotter to help ensure safety when using the winch. Be sure the spotter is out of the way of the vehicle and the cable before operating the winch.
7. Do not attempt to exceed the pulling limits of the winch.
8. Never use the hand crank to assist the winch while running. This will damage the winch and could cause personal injury.
9. Be sure the cable is not damaged.
10. Do not use the winch if the cable is frayed.
11. Do not replace the cable with one of lesser strength.

INTRODUCTION

Commentary

We are proud to offer the Grizzly Model H0937 2000 Lb. Electric Winch. This model is part of a growing Grizzly family of fine machinery. 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 H0937 features convenient, portable power for pulling boats, stuck vehicles, and other heavy items. The 2000 lb. pulling capacity can be powered by a 12V battery to eliminate the need for an extension cord. The winch also has a built in carrying handle and quick attach mounting plate.

We are pleased to provide this manual with the Model H0937. 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 H0937 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

Phone: (570) 546-9663

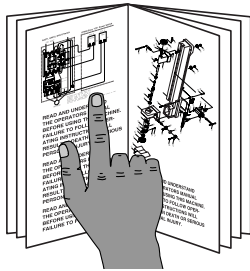
Fax: (800) 438-5901

E-Mail: techsupport@grizzly.com

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



WARNING



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

PARTS IDENTIFICATION

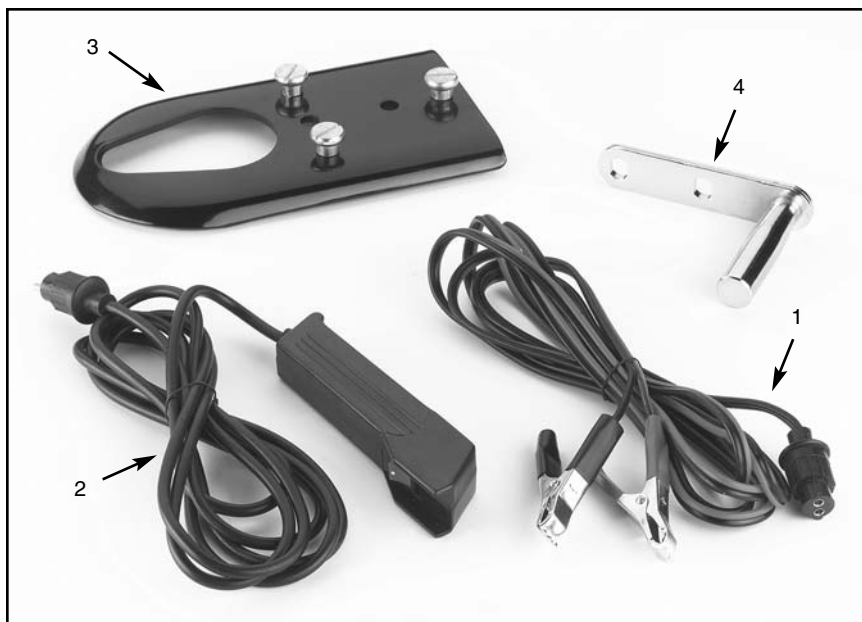


Figure 1: Parts layout.

1. Power cable, fitted with a water resistant plug and alligator clips.
2. Remote switch with a water resistant plug for safe operation.
3. Mounting bracket for a trailer hitch.
4. Emergency crank handle.

INSTALLATION

WARNING

Important Wiring Reminders

1. Always connect the positive (+/RED) cable to the positive (+/RED) battery post and the negative (-/BLACK) cable to the vehicle frame.
2. Never run the battery dead while using the winch.
3. Running your vehicle while operating the winch will prevent the battery from running dead; however, avoid standing in front or behind the running vehicle. Serious personal injury could occur if the gear became engaged.
4. Never use a battery that is leaking acid or is badly corroded.
5. Always wear ANSI approved safety glasses when operating the winch or working near the 12V battery.
6. Always connect the red alligator clip to the battery FIRST, followed by the black alligator clip to the vehicle frame.

Failure to comply with these and other warnings could result in serious personal injury.

Wiring Your Grizzly Winch

Your winch may be permanently or temporarily wired to a power source.

TEMPORARY WIRING

1. Remove the plug socket cover from the side of the winch body. Plug the power cable into the corresponding plug socket on the winch. Route the power cable from the winch to your battery, being careful to avoid getting it tangled with the other wires or causing a tripping hazard.

2. Connect the red alligator clip to the positive (+/RED) terminal of your battery. Use only a 12V battery source that is in good working condition. Connect the black alligator clip to the frame of your vehicle to establish a ground connection.
3. Plug the remote control switch into the second plug socket on the side of the winch. This remote switch allows the winch to be operated from a safe distance.
4. Set the remote control aside in a safe place until the winch is ready to operate.

PERMANENT WIRING

The winch can be permanently wired to your vehicle or trailer in one of two ways.

Example 1:

The included power cable can be used for a permanent wire set-up; however, the alligator clips must be cut from the power cable. Replace the red alligator clip with a suitable connector to allow hook up to the positive 12V power source and replace the black alligator clip with a 14 A.W.G. ring tongue connector. Connect the red positive power cord to the positive 12V power source and the black ring tongue connector to the frame of the vehicle. Connect the power cable plug into the plug socket on the side of the winch.

Example 2:

New 14 gauge wiring can also be used for connecting the winch permanently to the 12V DC electrical system. The winch plug sockets are not used in this configuration; instead, the power cable is attached directly to the solenoid within the winch body. Remove the plastic body from the winch and locate the two wires on the back side of the power cable plug socket. These two wires will terminate at the sol-

enoid. Connect the new power cable to the corresponding solenoid terminals shown in **Figure 2**, making sure to leave the existing wires hooked up. This allows the winch to be operated with the original power cable and a separate 12V battery if your vehicle battery is not working.

NOTICE

If holes are drilled into metal to route the power cable, be sure to use rubber grommets to protect the cable from being cut on the sharp metal.

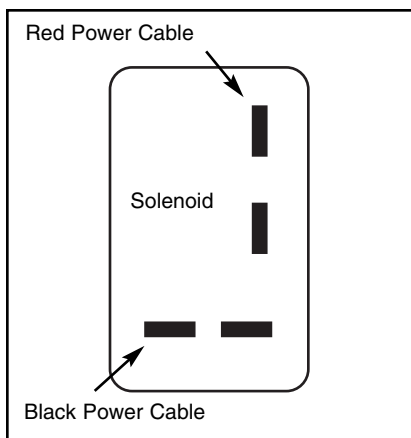


Figure 2: Solenoid connections.

Mounting Your Grizzly Winch

The Model H0937 is designed to be mounted temporarily to the trailer hitch mounting plate; however, you may also mount the winch permanently.

TEMPORARY MOUNTING

1. Attach the (3) plate stud bolts to the mounting plate using the supplied hex nuts. Tighten securely.
2. Index the heads of the mounting plate studs into the keyhole slots on the back of the winch.

3. Attach the mounting plate assembly to your trailer hitch by inserting the trailer hitch ball through the shaped hole in the mounting plate.

PERMANENT MOUNTING

1. Select a mounting location on your bumper, boat trailer, truck bed, or some other suitable location.
2. Place the winch in the desired mounting location and mark the location of the mounting holes with a scribe or some other marking tool.
3. Drill out the holes for mounting the winch.
4. Using hardened steel bolts of at least $\frac{3}{8}$ " diameter, mount the winch to the vehicle.

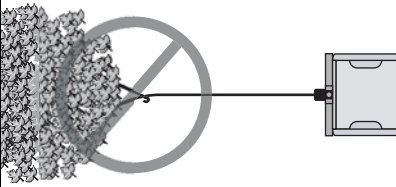
NOTICE

This winch creates 2000 lbs. of pulling force. Be sure the mounting location is capable of withstanding this amount of force. Reinforcement or modification may be required depending on the mounting location. Failure to comply with this notice could result in damage to your vehicle and/or property.

Using Your Grizzly Winch

1. Place the vehicle in Neutral. Never winch a vehicle while it is in Gear or Park. This could damage the transmission of the vehicle. Put your emergency brake ON and block the wheels with suitable chocks.
2. To pull out the cable, turn the clutch knob counterclockwise to loosen it, then pull out the amount of cable you need. Always leave at least three turns of cable on the winch to prevent it from slipping off under initial tension.
3. Hook onto the pulling object using a pulling point, tow strap, or chain.

!WARNING



Never wrap the cable around the object and attach the hook to the cable itself. This can cause damage to the object and can fray or kink the cable. Should the cable or pulling object fail, serious personal injury could occur.

4. Retighten the clutch knob.
5. Stand clear of the cable. Use the remote control to turn the winch ON and begin retracting the cable.

USING THE HAND CRANK

1. Turn the clutch knob clockwise until it is hand tight. Do not force it or over-tighten it.
2. Place the end of the hand crank over the flattened end of the threaded shaft on the left side of the winch.
3. Rotate the hand crank clockwise to tighten the cable. Continue to turn until the cable has been completely retracted.

!WARNING

Never use the hand crank to assist the operating winch. This will damage the winch and may cause serious personal injury.

Maintaining Your Grizzly Winch

1. Occasionally lubricate the cable with a light machine oil.

2. Grease the gears every 6 months. Separate the left and right housing to expose the gears. Use a good quality waterproof grease.

!WARNING

Occasionally examine the cable for any fray or other damage. Damage to the cable can significantly reduce the pulling capacity and will increase the likelihood of breaking under load. This could cause serious personal injury.

Pulling Capacity

This winch has a pulling capacity of 2,000 lbs. Applying this capability to a practical sense, you can:

- Move a load from a “dead” stop of up to 2,000 lbs. on level ground.
- Move a water-born craft of up to 4,800 lbs.
- Maintain movement of a wheeled vehicle of up to 6,000 lbs.

Pulling capacity is reduced as the incline increases. For example, maintaining vehicle movement capacity is reduced from 6,000 lbs. on flat ground to 1,100 lbs. on a 45° incline. Please refer to **Figure 3** for estimated pulling capacity (maintaining vehicle movement) on various inclines.

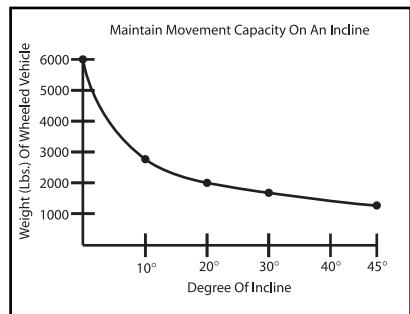


Figure 3: Pulling capacity chart.

NOTES

NOTES

WARRANTY AND RETURNS

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
Fax: (800) 438-5901

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 # _____ Serial # _____

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 _____

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 _____

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 +

11. What machines/supplies would you like Grizzly Industrial to carry?

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

12. What new accessories would you like Grizzly Industrial to carry?

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 _____

13. What other companies do you purchase your tools and supplies from?

7. How many of your woodworking machines are Grizzly? _____

14. Do you think your purchase represents good value?
 Yes No

15. Would you recommend Grizzly to a friend?
 Yes No

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 _____

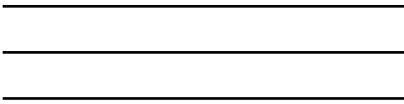
16. Would you allow us to use your name as a reference for Grizzly customers in your area? **Note: We never use names more than three times.**
 Yes No

17. Comments: _____

Send a Grizzly Catalog to a friend:

Name_____
Street_____
City_____State_____Zip_____

FOLD ALONG DOTTED LINE



Place
Stamp
Here



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P.O. BOX 2069
BELLINGHAM, WA 98227-2069



TAPE ALONG EDGES--PLEASE DO NOT NAIL

