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> GreatNeck BC24 24-Inch Bolt Cutter: User Manual

Great Neck BC24

GreatNeck BC24 24-Inch Bolt Cutter: User Manual

Model: BC24 | Brand: Great Neck

1. INTRODUCTION

The GreatNeck BC24 24-Inch Bolt Cutter is a robust hand tool designed for cutting various materials such as chain, wire, rods, and bolts. It features drop-forged, hardened alloy steel jaws for consistent cuts and tubular steel handles for leverage. This manual provides essential information for the safe and effective operation, maintenance, and care of your bolt cutter.



Image 1.1: The GreatNeck BC24 24-Inch Bolt Cutter, showcasing its overall design with orange handles and steel jaws.

2. SAFETY INFORMATION

Always prioritize safety when using any hand tool. Failure to follow these safety guidelines may result in injury or damage to the tool.

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Wear Hand Protection:** Use appropriate gloves to protect your hands from sharp edges and pinch points.
- **Inspect Tool Before Use:** Before each use, check the bolt cutter for any signs of damage, wear, or loose components. Do not use a damaged tool.
- **Secure Workpiece:** Ensure the material to be cut is stable and securely held to prevent movement during cutting.
- **Do Not Overload:** Do not attempt to cut materials beyond the tool's rated capacity. Forcing the tool can cause damage to the jaws or injury.
- **Maintain a Firm Grip:** Hold the handles firmly with both hands to maintain control during the cutting action.
- **Clear Work Area:** Keep your work area clear of obstructions and bystanders.

- **Store Safely:** Store the bolt cutter in a dry, secure place, out of reach of children.

3. SETUP

The GreatNeck BC24 Bolt Cutter is designed for immediate use. No complex assembly is required. However, a quick inspection and potential adjustment are recommended before first use and periodically thereafter.

3.1 Initial Inspection

- Unpack the bolt cutter and remove any packaging materials.
- Visually inspect the jaws for any chips, cracks, or deformities.
- Check that the handles are securely attached and the grips are intact.
- Ensure all bolts and fasteners are tight.

3.2 Jaw Adjustment (If Necessary)

The jaws are designed to be adjustable and replaceable. If the jaws do not meet properly or if there is excessive play, they may need adjustment.

1. Locate the adjustment bolts near the pivot point of the jaws.
2. Using an appropriate wrench, loosen the locking nuts slightly.
3. Turn the adjustment bolts to bring the jaws closer together or further apart until they meet evenly and securely.
4. Tighten the locking nuts to secure the adjustment.

**DROP FORGED
HARDENED ALLOY
STEEL JAWS FOR
STRENGTH**



**EASILY ADJUSTABLE
AND REPLACEABLE
JAWS**

Image 3.1: Close-up view of the drop-forged hardened alloy steel jaws, highlighting the adjustable and replaceable design.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective cutting with your GreatNeck BC24 Bolt Cutter.

1. **Prepare the Work Area:** Ensure the area is well-lit, clear of debris, and that you have stable footing.
2. **Select Appropriate Material:** Confirm the material to be cut is within the bolt cutter's capacity. The BC24 is suitable for chain, rod, and heavy wire.
3. **Position the Jaws:** Open the handles and place the material as deep as possible into the jaws, close to the pivot point. This maximizes leverage and cutting efficiency.
4. **Apply Pressure:** With a firm, two-handed grip on the cushioned handles, slowly and steadily close the handles, applying even pressure until the material is cut. Avoid sudden jerking motions.
5. **Release and Inspect:** Once the cut is complete, release the handles and carefully remove the cut material. Inspect the cut edges for sharpness and the jaws for any damage.

4.1 Cutting Different Materials

- **Rods/Rebar:** Position the rod perpendicular to the jaws for a clean cut.



Image 4.1: The bolt cutter jaws positioned to cut a metal rod, demonstrating proper placement for maximum leverage.

- **Chains:** Place a single link deep into the jaws. Ensure no other links interfere with the cutting action.

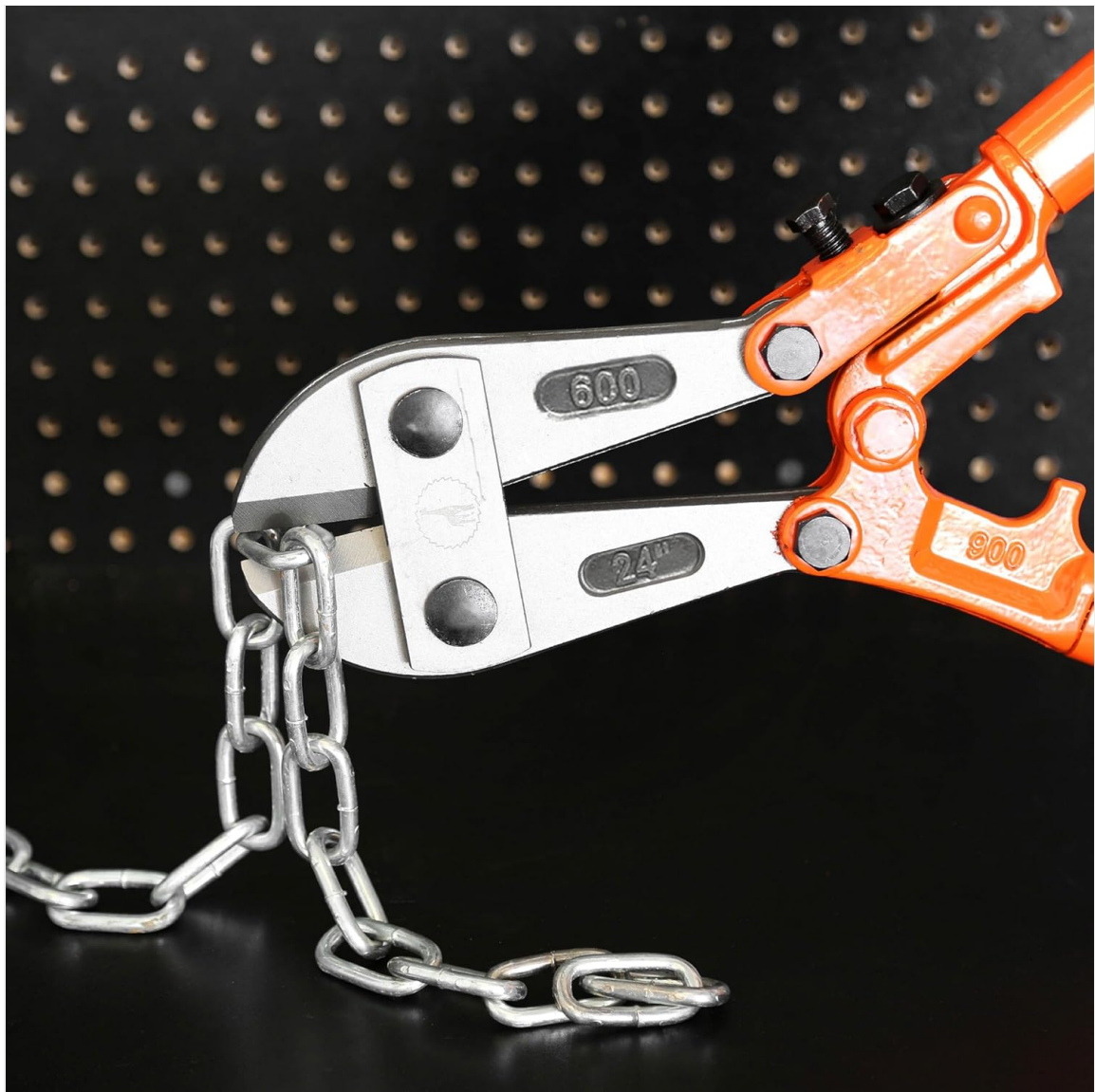


Image 4.2: The bolt cutter jaws engaged with a metal chain link, illustrating how to cut chain effectively.

- **Heavy Wire:** For multiple strands, ensure all strands are within the cutting capacity and positioned correctly.



Image 4.3: The bolt cutter jaws cutting a piece of heavy wire, showing the precision of the cutting edges.

COMPOUND CUTTING ACTION FOR GREAT CUTTING POWER



Image 4.4: A user demonstrating the compound cutting action of the bolt cutter, highlighting the two-handed grip on the ergonomic handles.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your GreatNeck BC24 Bolt Cutter.

- **Cleaning:** After each use, wipe down the jaws and handles with a clean, dry cloth to remove any debris, dust, or moisture.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and jaw mechanisms to ensure smooth operation and prevent rust.
- **Jaw Inspection:** Regularly inspect the cutting edges for dullness, nicks, or damage. Severely damaged jaws should be replaced.
- **Blade Replacement:** The jaws of the GreatNeck BC24 are replaceable. If the cutting edges become too dull or damaged to be effective, replacement jaws can be installed by loosening the retaining bolts, removing the old jaws, and securing the new ones. Ensure proper alignment during installation.
- **Storage:** Store the bolt cutter in a dry environment to prevent corrosion.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Difficulty cutting material	Dull or damaged jaws, material too hard/thick, insufficient leverage.	Inspect jaws for damage; replace if necessary. Ensure material is within capacity. Position material deeper in jaws. Apply more steady pressure.
Jaws do not meet evenly	Misalignment of jaws, loose adjustment bolts.	Adjust the jaw alignment using the adjustment bolts (refer to Section 3.2). Tighten all fasteners.
Stiff or squeaky operation	Lack of lubrication, rust, dirt/debris in pivot points.	Clean the tool thoroughly. Apply a light machine oil to all pivot points and moving parts.
Handles feel loose	Loose handle fasteners.	Check and tighten all bolts securing the handles.

7. SPECIFICATIONS

Feature	Detail
Model Number	BC24
Overall Length	24 Inches
Blade Material	Drop Forged, Hardened Alloy Steel
Handle Material	Tubular Steel with Cushioned Rubber Grips
Color	Orange
Special Features	Adjustable and Replaceable Jaws

Feature	Detail
Power Source	Hand Powered
Product Dimensions	23"L x 5.8"W x 1.7"H (Approximate)
Item Weight	1 Pounds (Approximate)



Image 7.1: The GreatNeck BC24 Bolt Cutter illustrating its 24-inch overall length.

8. WARRANTY & SUPPORT

8.1 Warranty Information

The GreatNeck BC24 24-Inch Bolt Cutter is covered by a **GreatNeck Limited Lifetime Warranty**. This warranty covers defects in material and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your purchase or visit the official Great Neck website.

8.2 Customer Support

For technical assistance, parts replacement, or warranty claims, please contact Great Neck customer support. Contact information can typically be found on the product packaging or the official Great Neck website. When contacting support, please have your model number (BC24) and purchase date available.

Website: www.greatnecksaw.com