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Echo 99944200131

Echo 8-inch Steel Brushcutter Blade Instruction Manual

Model: 99944200131

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Echo 8-inch Steel Brushcutter Blade (Model: 99944200131). This blade is designed for clearing dense brush and small saplings when used with compatible Echo trimmers. It features 22 teeth and a 20 mm bore for secure attachment.

Please read this manual thoroughly before installation or operation. Adherence to these instructions will ensure proper function, prolong the life of your blade, and prevent potential injury.



Image 1: Front view of the Echo 8-inch Steel Brushcutter Blade, displaying key specifications and safety markings.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. Always observe the following safety precautions:

- **Read All Manuals:** Always consult your trimmer's owner's manual for specific instructions regarding blade attachment and operation.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including eye protection (safety glasses or goggles), hearing protection, heavy-duty gloves, long pants, and sturdy, non-slip footwear.
- **Engine Off:** Before performing any installation, maintenance, or inspection, ensure the trimmer engine is completely off and the spark plug wire is disconnected to prevent accidental starting.
- **Inspect Blade:** Before each use, inspect the blade for cracks, bends, dullness, or any other damage. Do not use a damaged blade.
- **Clear Work Area:** Ensure the work area is clear of bystanders, children, and pets (minimum 15 meters or 50 feet). Clear away any loose debris that could be thrown by the blade.
- **Maintain Control:** Always maintain a firm grip on the trimmer handles. Operate the trimmer at a comfortable and controlled speed.
- **Avoid Hard Objects:** Do not strike rocks, metal, or other hard objects with the blade, as this can cause damage to the blade or trimmer, and may result in kickback or injury.
- **Blade Orientation:** Ensure the blade is installed with the correct side facing up, as indicated on the blade itself.

3. SETUP AND INSTALLATION

Proper installation is critical for safe and efficient operation. Refer to your trimmer's owner's manual for detailed instructions specific to your model.

Required Tools:

- Wrench (typically included with your trimmer)
- Heavy-duty gloves

Installation Steps:

1. **Prepare Trimmer:** Turn off the trimmer engine and disconnect the spark plug wire. Place the trimmer on a stable, flat surface.
2. **Remove Existing Attachment:** If an existing cutting attachment (e.g., string head or old blade) is present, follow your trimmer's manual to safely remove it.
3. **Position Blade:** Place the Echo brushcutter blade onto the trimmer's drive shaft, ensuring the central bore aligns correctly. The blade is marked with "This Side Up" to indicate the correct orientation.
4. **Secure Blade:** Install the blade washer, nut, and any other securing hardware as specified in your trimmer's manual. Tighten the nut securely using the appropriate wrench. Ensure the blade is firmly seated and does not wobble.
5. **Final Check:** Verify that all components are correctly installed and tightened. Reconnect the spark plug wire.



Image 2: Back view of the Echo 8-inch Steel Brushcutter Blade, illustrating the mounting bore.

4. OPERATING INSTRUCTIONS

Once the blade is securely installed and all safety checks are complete, you can begin operation.

1. **Start Trimmer:** Follow your trimmer's starting procedure. Allow the engine to warm up for a few moments.
2. **Maintain RPM:** Operate the trimmer at a consistent, high RPM for optimal cutting performance and to prevent blade stalling.
3. **Cutting Technique:** Use a sweeping motion to cut through brush. Approach material from the side, allowing the blade to cut through gradually. Avoid forcing the blade through thick material.
4. **Kickback Awareness:** Be aware of potential kickback, especially when the blade tip strikes a hard object or when cutting with the upper quadrant of the blade. Maintain a firm stance and grip.
5. **Work Safely:** Always maintain a safe distance from the cutting area and ensure bystanders are clear.
6. **Stop Operation:** If the blade becomes jammed or you encounter an obstruction, immediately release the throttle and turn off the engine. Disconnect the spark plug wire before attempting to clear the obstruction.

5. MAINTENANCE

Regular maintenance will ensure the longevity and performance of your brushcutter blade.

- **Cleaning:** After each use, clean the blade thoroughly to remove sap, dirt, and debris. A stiff brush and mild detergent can be used. Dry the blade completely to prevent rust.
- **Inspection:** Regularly inspect the blade for signs of wear, cracks, bends, or missing teeth. A damaged blade can be dangerous and should be replaced immediately.
- **Sharpening:** The 22-tooth design allows for effective cutting. If the blade becomes dull, it can be re-sharpened. This process is similar to sharpening a chainsaw chain and requires specific tools and expertise. It is recommended to have the blade professionally sharpened or to use a specialized blade sharpener designed for this type of blade. Improper sharpening can unbalance the blade, leading to vibration and potential damage.

- **Storage:** Store the blade in a dry place, away from moisture, to prevent rust. Consider applying a light coat of oil to the blade for long-term storage. Keep it out of reach of children.

6. TROUBLESHOOTING

If you encounter issues with your brushcutter blade, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Blade not cutting effectively	Dull blade, incorrect cutting angle, insufficient engine RPM	Sharpen or replace blade, adjust cutting technique, ensure trimmer is at full throttle
Excessive vibration	Bent or damaged blade, loose mounting nut, debris caught in blade	Inspect and replace damaged blade, tighten mounting nut, clear debris (with engine off)
Blade warping or bending	Impact with hard objects (rocks, metal), overheating from prolonged use in dense material	Avoid striking hard objects, take breaks during heavy use, replace warped blade

If troubleshooting steps do not resolve the issue, consult a qualified service technician.

7. SPECIFICATIONS

- **Model Number:** 99944200131
- **Material:** Alloy Steel
- **Diameter:** 8 inches (20.32 cm)
- **Bore Diameter:** 20 mm (0.787 inches)
- **Number of Teeth:** 22
- **Color:** Black
- **Item Weight:** Approximately 0.33 Pounds (5.3 ounces)

8. COMPATIBILITY

This Echo 8-inch Steel Brushcutter Blade (Model: 99944200131) is compatible with various Echo trimmer models, including but not limited to:

- SRM-210
- SRM-225
- SRM-230
- SRM-260
- SRM-265
- SRM-280
- SRM-311
- SRM-340
- SRM-400
- SRM-410

Always consult your specific trimmer's owner's manual to confirm compatibility and ensure proper installation procedures for brushcutter blades.

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