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ECHO 10-inch 80-Tooth Brush Cutter Blade User Manual

Model: 10-inch 80-Tooth Brush Cutter Blade

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of the ECHO 10-inch 80-Tooth Brush Cutter Blade. This blade is designed for use with compatible brush cutters, specifically recommended for heavy weeds, brush, and small trees up to 3 1/2 inches (89mm) in diameter. The blade features 80 teeth and has a 25mm arbor hole, ensuring efficient cutting performance for demanding tasks.

2. IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these safety instructions can result in serious personal injury or death.



Image: The ECHO 10-inch 80-Tooth Brush Cutter Blade, showing its design and printed safety warnings. The blade is circular with 80 teeth around its circumference and a central arbor hole. Text on the blade indicates its size, tooth count, and warnings in English, Spanish, and French regarding proper use and hazards.

General Safety Precautions:

- **Always wear proper eye, foot, and body protection** when operating equipment with this blade. Injury to operators or bystanders can occur from the rotating blade or flying debris.
- **Do not allow the blade to contact rocks, wire, metal, or other foreign objects** during operation. Such contact can cause damage to the blade or equipment, and create dangerous projectiles.
- If contact with foreign objects occurs, immediately **stop the engine** and inspect the blade for warping or cracks.
- **Discard the blade immediately if it is warped or cracked.** A damaged blade can shatter during use, causing severe injury.

Kickout Warning:

- Be aware of kickout. Serious personal injury can result if you do not follow the manufacturer's blade installation and operation instructions.
- Always ensure the blade is installed with the "THIS SIDE UP" marking facing upwards, as

indicated on the blade itself. This ensures correct rotation and optimal performance.

3. INSTALLATION AND SETUP

Proper installation is critical for safe and effective operation. Refer to your brush cutter's owner's manual for specific instructions regarding blade attachment and removal, as procedures may vary by model.

1. **Ensure the brush cutter engine is off and spark plug wire is disconnected** to prevent accidental starting.
2. **Wear heavy-duty gloves** to protect your hands from the sharp blade teeth.
3. **Align the blade with the brush cutter's arbor.** The blade has a 25mm arbor hole.
4. **Orient the blade correctly:** The side of the blade marked "THIS SIDE UP" (or similar directional arrows) must face upwards, towards the brush cutter's gearhead. This ensures the teeth are angled for proper cutting rotation.
5. **Secure the blade firmly** using the appropriate washers, nuts, or bolts as specified in your brush cutter's manual. Ensure all fasteners are tightened to the manufacturer's recommended torque specifications.
6. **Verify the blade is securely fastened and rotates freely** without wobble before starting the engine.

4. OPERATION

This blade is designed for cutting heavy weeds, brush, and small trees up to 3 1/2 inches (89mm) in diameter. Always operate your brush cutter according to its owner's manual and observe all safety warnings.

- **Clear the work area** of any debris, rocks, or objects that could be struck by the blade.
- **Maintain a firm grip** on the brush cutter handles and keep a balanced stance.
- **Keep bystanders and pets at a safe distance** (at least 50 feet or 15 meters) from the operating area.
- **Cut with a sweeping motion**, allowing the blade to do the work. Avoid forcing the blade through material.
- **Be aware of kickback:** The blade can suddenly kick back if it strikes a hard object or becomes pinched. Always be prepared for this reaction.
- **Do not use the blade for purposes other than its intended design.** This blade is not suitable for cutting large timber, metal, or other inappropriate materials.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your brush cutter blade.

- **Inspect the blade before each use** for any signs of damage, such as bends, cracks, missing teeth, or excessive wear.
- **Clean the blade after each use** to remove sap, debris, and dirt. Use a stiff brush and appropriate cleaning solution.
- **Sharpen the blade regularly** to maintain cutting efficiency. Follow specific sharpening instructions for 80-tooth brush cutter blades, or have it professionally sharpened. A dull blade can lead to poor performance and increased risk of kickback.
- **Store the blade in a dry, safe place** away from moisture and out of reach of children. Consider using a blade guard for storage.
- **Replace the blade** if it shows significant wear, damage, or cannot be properly sharpened.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Poor cutting performance	Dull blade; Incorrect blade orientation; Material too thick	Sharpen or replace blade; Reinstall blade with "THIS SIDE UP" facing correctly; Use appropriate tool for material.
Excessive vibration	Damaged or warped blade; Improperly installed blade; Loose fasteners	Inspect and replace damaged blade; Reinstall blade correctly; Tighten all fasteners to specifications.
Blade stops or jams frequently	Blade hitting foreign objects; Overloading the brush cutter; Dull blade	Clear work area; Do not force blade; Sharpen or replace blade.

7. SPECIFICATIONS

Blade Diameter: 10 inches (254 mm)

Tooth Count: 80 teeth

Arbor Hole

Diameter: 25 mm

Recommended

Use: Heavy weeds, brush, and small trees up to 3 1/2 inches (89 mm) diameter

Item Weight: 1.13 Pounds (0.51 kg)

Manufacturer: ECHO Incorporated

Country of Origin: Japan

Part Number: 695001-21431

8. MANUFACTURER INFORMATION AND SUPPORT

This product is manufactured by:

ECHO Incorporated

Lake Zurich, Illinois 60047

USA

For support, warranty information, or to purchase replacement parts, please contact your authorized ECHO dealer or visit the official ECHO website. Always refer to the specific model number of your brush cutter for compatibility and detailed instructions.

Note: Warranty terms and conditions are subject to the policies of ECHO Incorporated. Please retain your proof of purchase.