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> EFCUT 3-in-1 Gas Powered Wood Chipper Shredder Mulcher (7HP 212cc) Instruction Manual

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Model: EFCUT 3-in-1 Chipper Shredder

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your EFCUT 3-in-1 Gas Powered Wood Chipper Shredder Mulcher. Please read this manual thoroughly before assembly or operation to ensure proper use and to prevent injury or damage.

The EFCUT 3-in-1 Wood Chipper Shredder Mulcher is designed to process various types of organic yard waste, converting them into valuable mulch. It features a versatile design for chipping branches, shredding smaller twigs and leaves, and mulching with an optional vacuum kit.



Figure 1: EFCUT 3-in-1 Wood Chipper Shredder Mulcher with collection bag and processed debris.

2. SAFETY INFORMATION

Operating this equipment requires strict adherence to safety guidelines to prevent serious injury. Always prioritize safety.

General Safety Rules:

- Read and understand the entire manual before operating the machine.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, gloves, and sturdy footwear.
- Keep all bystanders, children, and pets at a safe distance (at least 50 feet/15 meters) from the operating area.
- Operate the machine only on a firm, level surface.
- Never operate the machine indoors or in poorly ventilated areas due to carbon monoxide hazards.
- Do not wear loose clothing, jewelry, or anything that could get caught in moving parts.
- Ensure all guards and safety devices are in place and functioning correctly before starting.

- Never place hands or feet into the hoppers or discharge chute while the engine is running.
- Turn off the engine and disconnect the spark plug wire before performing any maintenance, clearing clogs, or making adjustments.
- Do not attempt to chip or shred materials other than those specified in this manual (e.g., fresh greens, pine cones, palm fronds, petrified wood, vines are not suitable).
- Handle gasoline with extreme care. Store fuel in an approved container in a well-ventilated area away from ignition sources.

Fuel and Oil Safety:

- Use 87+ unleaded gasoline (NO ETHANOL recommended).
- Engine oil is NOT included with the product. Refer to the engine manual for recommended oil type and capacity (typically 0.13 gal/0.5L).
- Do not overfill the fuel tank (Max capacity: 0.73 gal/2.8L).
- Clean up any spilled fuel immediately.

3. SETUP AND ASSEMBLY

The EFCUT 3-in-1 Chipper Shredder requires some assembly before first use. Follow these steps carefully.

Tools Required:

- 13mm wrenches (two recommended)
- Socket wrench set (optional, for easier assembly)

Assembly Steps:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Attach Wheels:** Securely attach the wheels to the main frame using the provided hardware.
3. **Install Support Legs:** Fasten the support legs to the base of the unit.
4. **Mount Hoppers:** Attach the top hopper and side chute to the main body of the chipper. Ensure all bolts are tightened.
5. **Connect Discharge Bag:** Attach the debris collection bag to the discharge chute. Ensure it is securely fastened to prevent material from escaping.
6. **Add Engine Oil:** Before starting, fill the engine with the recommended oil (0.13 gal/0.5L capacity). Refer to the engine manual for specific oil type and filling instructions. **Do not operate without engine oil.**
7. **Add Fuel:** Fill the fuel tank with 87+ unleaded gasoline (NO ETHANOL recommended). Do not overfill.

Simple Setup Easy Move

✓ ***Straightforward Assembly***

Quick and effortless setup for immediate use

✓ ***Superior Design***

Move with ease despite its weight

 **123 lbs**



Figure 2: Product dimensions (27.5" x 27.5" x 39.4") and weight (123 lbs) for setup and placement considerations.



Figure 3: Overview of the chipper shredder, highlighting the sturdy handle, detachable leaf vacuum (sold separately), heavy-duty polyurethane wheels, angled housing design, and connectable discharge bag.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your EFCUT chipper shredder mulcher.

Starting the Engine:

1. Ensure the machine is on a level surface and the discharge bag is securely attached.
2. Check engine oil and fuel levels.
3. Move the fuel valve to the "ON" position.
4. Move the choke lever to the "CLOSED" position (for cold starts).
5. Move the throttle lever to the "FAST" position.
6. Pull the recoil starter handle firmly until the engine starts.
7. Once the engine starts, gradually move the choke lever to the "OPEN" position.
8. Allow the engine to warm up for a few minutes before beginning operation.

POWERFUL 7HP

Conquer extensive branches effortlessly



Reliable Gas-powered Engine

Efficient Outdoor Performance



Quick Recoil Starting

Easy Start-Up



Low Oil Alert Sensor

Effective Protection against Damage



Figure 4: Close-up of the 7HP 212cc engine, showing the recoil starter and low oil alert sensor.

Chipping and Shredding:

- **Side Chute (Chipping):** For branches and limbs up to 3 inches in diameter. Feed material slowly and steadily into the side chute. Do not force material.
- **Top Hopper (Shredding):** For smaller twigs, leaves, and brush with a maximum volume of 1/2 inch. Drop material into the top hopper.
- Maintain a steady feeding pace to prevent clogging.
- Avoid feeding wet material, as it can cause clogging.

3 Functions IN ONE convenient solution for your diverse needs



CHIPPING

Ideal for limbs and large branches

3" Max



SHREDDING

Perfect for twigs and leaves

1/2" Max Volume



VACUUM

Conveniently mulch leaves and debris

**Vacuum Kit Sold Separately*

Figure 5: Diagram illustrating the three functions: chipping (side chute, 3" max), shredding (top hopper, 1/2" max volume), and vacuum (optional, for mulching leaves and debris).



Figure 6: The top hopper, designed for easy loading of smaller materials like leaves and twigs.



Figure 7: The side chute, designed for fast feeding of branches up to 3 inches in diameter.



Figure 8: The adjustable discharge chute for directing processed material.

Stopping the Engine:

1. Allow the engine to idle for a few moments to cool down.
2. Move the throttle lever to the "SLOW" or "IDLE" position.
3. Move the engine switch to the "OFF" position.
4. Move the fuel valve to the "OFF" position.



Figure 9: A user feeding branches into the chipper shredder's side chute.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your EFCUT chipper shredder mulcher. Always turn off the engine and disconnect the spark plug wire before performing any maintenance.

Routine Checks:

- **Before Each Use:** Check engine oil level, fuel level, and inspect for loose fasteners or damaged parts.
- **After Each Use:** Clean the machine, especially the hoppers and discharge chute, to prevent buildup. Empty the debris bag.

Engine Maintenance:

- **Oil Change:** Refer to the engine manual for recommended oil change intervals.
- **Air Filter:** Clean or replace the air filter regularly, especially in dusty conditions.
- **Spark Plug:** Inspect and clean the spark plug periodically. Replace if worn.

Blade and Hammer Maintenance:

- The unit features two chipping knives and four shredder hammers.
- Inspect blades and hammers for sharpness and damage regularly. Dull or damaged components can reduce performance and increase engine strain.
- Replace worn blades and hammers as needed. Refer to the parts diagram for correct replacement procedures.

Advanced Cutting System

Satisfy your needs for volume **reduction with an impressive**

20:1 Reduction Ratio

▶ Robust Flywheel Design

Smooth and stable cutting

▶ 2 Chipping Knives

Cut through large wood with ease

▶ 4Y Shredder Hammers

Transform waste into fine shreds



Figure 10: Illustration of the robust flywheel design, two chipping knives, and four shredder hammers for efficient material reduction.

6. TROUBLESHOOTING

This section addresses common issues you might encounter and provides solutions. Always turn off the engine and disconnect the spark plug wire before attempting any troubleshooting or repairs.

Problem	Possible Cause	Solution
Engine does not start	No fuel; Low oil level; Choke not set correctly; Spark plug issue; Fuel valve off	Add fresh fuel; Fill engine oil to correct level; Adjust choke; Check/clean/replace spark plug; Turn fuel valve ON.
Machine clogs frequently	Feeding too fast; Wet material; Dull blades/hammers; Overloading	Feed material slower; Avoid wet material; Inspect and replace blades/hammers; Do not overload the machine.

Problem	Possible Cause	Solution
Reduced chipping/shredding performance	Dull blades/hammers; Engine running at low RPM; Incorrect material type	Inspect and replace blades/hammers; Ensure engine is at full throttle during operation; Only process recommended materials.
Excessive vibration	Unbalanced cutting components; Loose fasteners; Damaged impeller	Inspect blades/hammers for damage or imbalance; Tighten all fasteners; Contact customer support if impeller is suspected.

7. SPECIFICATIONS

Feature	Detail
Model	EFCUT 3-in-1 Chipper Shredder
Engine Type	7HP 212cc Horizontal 4-stroke Single Cylinder OHV Gas-powered Engine
Max Engine Speed	3600 RPM
Max Wood Diameter (Side Chute)	3 inches
Max Volume (Top Hopper)	1/2 inch
Reduction Ratio	20:1
Fuel Type	87+ Unleaded Gasoline (NO ETHANOL recommended)
Fuel Capacity	0.73 gal (2.8L)
Oil Capacity	0.13 gal (0.5L)
Product Dimensions (L x W x H)	27.5 x 27.5 x 39.4 inches
Item Weight	123 pounds
Certifications	EPA/CARB Certified

8. WARRANTY AND SUPPORT

EFCUT provides a 1-Year Warranty after product registration, covering machine construction. Consumable parts such as blades are excluded from this warranty.

For technical questions or support, please contact EFCUT Customer Support. Prompt assistance will be provided.

For more information or to register your product, please visit the official EFCUT website or refer to the contact information provided with your purchase.

