

AIVOLT SDEG17

AIVOLT SDEG17 1800W Electric Wood Chipper Shredder Mulcher Instruction Manual

Model: SDEG17 | Brand: AIVOLT

1. INTRODUCTION

Thank you for choosing the AIVOLT SDEG17 1800W Electric Wood Chipper Shredder Mulcher. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new tool. Designed for efficient yard waste management, this electric chipper helps transform branches, leaves, and brush into valuable mulch for your garden. Please read this manual thoroughly before use and keep it for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, gloves, and sturdy footwear.
- Keep hands, feet, and clothing away from all moving parts, especially the feeding chute and discharge opening.
- Ensure the work area is clear of bystanders, children, and pets.
- Operate the chipper on a firm, level surface.
- Never feed material larger than the specified maximum cutting diameter (45mm or 1.77 inches).
- Always use the provided pusher to feed material into the hopper. Never use your hands or feet.
- Disconnect the power supply before performing any maintenance, cleaning, or when clearing a jam.
- Do not operate the chipper in wet conditions or on wet ground.
- Regularly inspect the machine for damage or wear before each use.

3. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your AIVOLT Wood Chipper:

- **Hopper:** The top opening where material is fed.
- **Motor Housing:** Contains the 1800W electric motor.
- **Cutting Blades:** Internal blades that shred material.
- **Collection Bag:** Attaches below the discharge to collect shredded material.
- **Wheels and Stand:** Provides stability and mobility.
- **Pusher:** Tool used to safely push material into the hopper.
- **On/Off Switch:** Controls power to the unit.
- **Safety Locking Knob:** Secures the hopper and prevents operation when open.



Figure 3.1: The AIVOLT 1800W Electric Shredder positioned in a garden environment, ready for use.



Figure 3.2: An exploded diagram illustrating the various components of the AIVOLT Wood Chipper, including the transport handle, locking knob, hopper, support stand, on/off switch, 5.5-inch wheels, and the powerful cutting mechanism.

4. SETUP

Follow these steps to assemble and prepare your wood chipper for operation:

1. **Assemble the Stand:** Attach the support stand legs to the main unit using the provided hardware. Ensure all connections are secure.
2. **Attach the Wheels:** Secure the wheels to the stand. The wheels provide mobility for easy transport around your yard.
3. **Install the Collection Bag:** Hook the 50L collection bag onto the designated clips beneath the discharge chute. Ensure it is securely attached to prevent debris from scattering.
4. **Connect Power:** Plug the power cord into a suitable outdoor-rated extension cord, then into a grounded electrical outlet. Ensure the connection is secure and protected from moisture.
5. **Secure the Hopper:** Close and secure the hopper with the safety locking knob. The machine will not operate if the hopper is not properly locked.

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Video 4.1: This video demonstrates the general assembly process for an electric wood chipper, including attaching the stand and wheels, and connecting the power. While the model may vary, the fundamental steps are similar.



Sturdy Housing

Rustproof, dent-resistant polypropylene housing ensures durability,

Sharp Dual-Edge Blades

Enhances shredding efficiency and extends equipment longevity

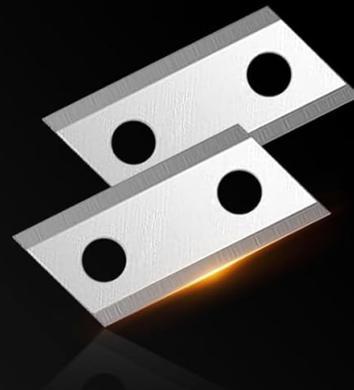


Figure 4.1: A view of the chipper's internal blade compartment, showing the ease of access for maintenance and the inclusion of two extra backup blades.

5. OPERATING INSTRUCTIONS

Before operating, ensure all safety precautions are followed and the unit is properly assembled.

1. **Pre-Operation Check:** Verify that the collection bag is securely attached, the hopper is locked, and there are no loose parts or obstructions.
2. **Start the Chipper:** Press the ON button to start the motor. Allow the motor to reach full speed before feeding material.
3. **Feed Material:** Slowly feed branches, twigs, and leaves into the hopper. Ensure the material is dry and free of dirt or stones.
4. **Use the Pusher:** For safety and efficiency, always use the provided pusher to guide material into the cutting chamber. Never use your hands or feet.
5. **Monitor Material Size:** The AIVOLT SDEG17 can handle branches up to 45mm (1.77 inches) in diameter. Do not force oversized material into the chipper.

6. **Empty Collection Bag:** When the collection bag is full, turn off the chipper, disconnect power, and carefully remove and empty the bag.
7. **Shut Down:** After use, turn off the chipper and disconnect it from the power supply.



Figure 5.1: A close-up view of the chipper's feeding chute, clearly indicating the maximum branch cutting diameter of 1.77 inches (45mm).



Figure 5.2: The AIVOLT Wood Chipper actively shredding branches, showcasing the effectiveness of its 15 AMP motor in producing fine wood chips.



Figure 5.3: A person safely feeding branches into the chipper's hopper, demonstrating the correct method of operation.



Figure 5.4: Hands displaying the finely shredded wood chips, illustrating the output quality suitable for mulching or composting.

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Video 5.1: This video illustrates the operation of an electric wood chipper, including feeding branches, the shredding process, and the collection of wood chips.

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Video 5.2: Demonstration of an electric wood chipper processing branches, highlighting the use of the pusher for safe feeding.

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Video 5.3: This video demonstrates the mulching of leaves using an electric shredder, showing how it reduces bulk for composting or disposal.

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Video 5.4: An electric 15-Amp wood chipper shredder in use, processing various types of yard waste into mulch.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AIVOLT Wood Chipper.

- **Cleaning:** After each use, disconnect the power and clean the unit. Remove any accumulated debris from the hopper, cutting chamber, and discharge chute. Use a brush or compressed air.
- **Blade Inspection:** Regularly inspect the cutting blades for sharpness and damage. Dull or damaged blades can reduce efficiency and strain the motor. Replace blades as needed.
- **Carbon Brush Replacement:** The motor's carbon brushes may need replacement over time. Refer to the video below for guidance.
- **Storage:** Store the chipper in a dry, secure location away from moisture and extreme temperatures.

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Video 6.1: This video demonstrates how to replace the carbon brushes on an electric wood chipper, a key maintenance step for ensuring motor longevity and performance.

7. TROUBLESHOOTING

Here are some common issues and their solutions:

Problem	Possible Cause	Solution
Chipper does not start	No power supply; Hopper not locked; Circuit breaker tripped.	Check power connection; Ensure hopper is securely locked; Reset circuit breaker.
Material not shredding efficiently	Dull blades; Oversized material; Wet material.	Replace or sharpen blades; Reduce material size; Use dry material.
Unit clogs frequently	Feeding too fast; Wet or green material; Oversized material.	Feed material slowly; Allow green material to dry slightly; Reduce material size. Disconnect power and clear obstruction with a tool.
Excessive vibration or noise	Loose components; Damaged blades; Unbalanced cutting mechanism.	Check all fasteners; Inspect and replace damaged blades; Contact customer support if issue persists.

8. SPECIFICATIONS

Feature	Detail
Brand	AIVOLT
Model Number	SDEG17
Motor Power	1800W (15-Amp)
Max Cutting Diameter	45mm (1.77 inches)
Collection Bag Capacity	50 Liters
Product Dimensions	48.26 x 43.18 x 104.14 cm
Product Weight	9.42 kg
Manufacturer	Ningbo Energy Power Tools Co., Ltd
Country of Origin	China

9. WARRANTY AND CUSTOMER SUPPORT

Your AIVOLT SDEG17 Wood Chipper is backed by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical assistance, parts, or warranty claims, please contact AIVOLT customer support through the retailer where the product was purchased or visit the official AIVOLT website for contact information.