

AEG SMT 355

AEG SMT 355 Corded Electric Chop Saw Instruction Manual

Model: SMT 355

INTRODUCTION

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your AEG SMT 355 Corded Electric Chop Saw. Please read this manual thoroughly before operating the tool to ensure safe and efficient use. Keep this manual for future reference.

The AEG SMT 355 is a powerful corded electric chop saw designed for cutting various materials including metal, stainless steel, and wood, with a maximum cutting depth of 115 mm.

GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This includes, but is not limited to:

- Wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the operating area.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the power plug from the power source before making any adjustments, changing accessories, or storing the tool.
- Secure the workpiece firmly before cutting.
- Use only cutting wheels designed for the AEG SMT 355 and suitable for the material being cut.

PRODUCT COMPONENTS

Familiarize yourself with the main components of your AEG SMT 355 chop saw.



Figure 1: Front view of the AEG SMT 355 Corded Electric Chop Saw, showing the cutting wheel, guard, handle, and base.



Figure 2: Rear view of the AEG SMT 355 Corded Electric Chop Saw, highlighting the motor housing and power cord connection.



Figure 3: Close-up view of the integrated vise and clamping mechanism on the AEG SMT 355, used for securing workpieces.

SETUP AND ASSEMBLY

1. **Unpacking:** Carefully remove the chop saw from its packaging. Inspect for any damage that may have occurred during shipping. Report any damage to your retailer immediately.
2. **Mounting:** For stability and safety, it is recommended to securely mount the chop saw to a workbench or a stable stand using appropriate fasteners. Ensure the mounting surface can support the weight of the tool and the forces generated during operation.
3. **Blade Installation (if not pre-installed):**
 - Ensure the tool is unplugged from the power source.
 - Lift the blade guard.
 - Press the spindle lock button to prevent the spindle from rotating.
 - Use the provided wrench to loosen and remove the blade retaining nut and outer flange.
 - Place the new 355 mm cutting wheel onto the spindle, ensuring the rotation arrow on the blade matches the direction of rotation indicated on the saw.
 - Reinstall the outer flange and blade retaining nut. Tighten securely with the wrench while holding the spindle lock.
 - Lower the blade guard.
4. **Vise Adjustment:** The integrated vise can be adjusted to secure various workpiece sizes. Loosen the locking handle, slide the vise jaw to the desired position, and tighten the handle firmly to secure the workpiece.

OPERATING INSTRUCTIONS

1. Workpiece Preparation:

- Ensure the workpiece is clean and free of debris.
- Mark the cutting line clearly.
- Place the workpiece firmly against the fence and secure it tightly with the vise mechanism. Ensure the workpiece is stable and will not shift during the cut.

2. **Power Connection:** Connect the chop saw to a suitable power outlet (230V, 50Hz). Ensure the power circuit can handle the 2300 Watts power consumption.

3. Starting the Saw:

- Hold the handle firmly.
- Press the trigger switch to start the motor. Allow the blade to reach full speed (3800 RPM) before beginning the cut.

4. Making a Cut:

- Slowly and steadily lower the rotating blade into the workpiece. Do not force the cut; let the saw do the work.
- Maintain a consistent downward pressure.
- Once the cut is complete, release the trigger switch and allow the blade to stop rotating completely before raising the saw arm.

5. **Stopping the Saw:** Release the trigger switch. The blade will stop rotating. Wait until the blade has completely stopped before moving the workpiece or making any adjustments.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chop saw.

- **Cleaning:** After each use, disconnect the power and clean the saw. Remove dust, chips, and debris from the motor vents, blade guard, and base using a brush or compressed air. Do not use solvents that could damage plastic parts.
- **Blade Inspection:** Regularly inspect the cutting wheel for wear, cracks, or damage. Replace worn or damaged blades immediately. Ensure the blade is always sharp and suitable for the material being cut.
- **Vise and Clamp:** Keep the vise mechanism clean and lubricated to ensure smooth operation.
- **Power Cord:** Inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified technician.
- **Carbon Brushes:** The motor's carbon brushes may need periodic inspection and replacement. Refer to a qualified service center for this procedure if you notice reduced power or excessive sparking.
- **Storage:** Store the chop saw in a dry, secure location out of reach of children and unauthorized users.

TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact a qualified service technician.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty power cord/plug; Defective switch; Overload protection tripped.	Check power connection and outlet; Inspect power cord; Contact service for switch replacement; Reset circuit breaker.

Problem	Possible Cause	Solution
Excessive vibration or noise	Loose blade; Damaged blade; Loose mounting bolts; Worn bearings.	Tighten blade nut; Replace damaged blade; Tighten mounting bolts; Contact service for bearing replacement.
Poor cutting performance	Dull or incorrect blade; Incorrect cutting technique; Workpiece not secured.	Replace with sharp, appropriate blade; Apply steady, even pressure; Secure workpiece firmly.
Motor overheats	Blocked ventilation slots; Overloading the motor; Continuous heavy use.	Clean ventilation slots; Reduce load; Allow motor to cool down.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model	SMT 355
Brand	AEG
Power Input	2300 Watts
No Load Speed	3800 RPM
Wheel/Blade Diameter	355 mm (14 inches)
Max. Cutting Depth	115 mm
Blade Material	High Speed Steel
Surface Recommendation	Metal, Stainless Steel, Wood
Power Source	Corded Electric
Item Weight	16.5 Pounds (approx. 7.48 kg)
Handle Material	Rubber
Package Dimensions	57.8 x 42.6 x 35.8 cm

WARRANTY AND SUPPORT

Specific warranty terms and conditions for the AEG SMT 355 Corded Electric Chop Saw are typically provided with the product at the time of purchase or can be found on the official AEG website for your region. Please retain your proof of purchase for warranty claims.

For technical support, service, or spare parts, please refer to the contact information provided by your retailer or visit the official AEG website for authorized service centers in your area. This manual does not contain specific contact details for support.



