

AEG PST 500 X

AEG PST 500 X Jigsaw User Manual

Model: PST 500 X

INTRODUCTION

The AEG PST 500 X Jigsaw is a robust and versatile electric power tool designed for cutting various materials, primarily wood. Featuring a powerful 440-watt motor and the convenient Fixtec blade change system, this jigsaw offers efficient and precise cutting performance. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your AEG PST 500 X Jigsaw. Please read these instructions carefully before operating the tool and keep them for future reference.

GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric power tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Specific Jigsaw Safety:** Ensure the workpiece is securely clamped. Keep hands away from the cutting area. Wait for the blade to stop completely before setting the tool down.

PRODUCT OVERVIEW

Familiarize yourself with the components of your AEG PST 500 X Jigsaw.



Figure 1: Front view of the AEG PST 500 X Jigsaw, highlighting the motor housing and blade area.



Figure 2: Side view of the AEG PST 500 X Jigsaw, showing the handle and power cord connection.

Key Features:

- **Powerful 440 Watt Motor:** Provides ample power for various cutting tasks.

- **Fixtec Blade Change System:** Allows for quick and tool-free blade replacement.
- **Adjustable Base Plate:** Enables horizontal adjustments for bevel cuts up to 45 degrees.
- **Two-Stage Pendulum Action:** Selectable pendulum stroke for optimized cutting performance and cleaner results across different materials.
- **Dust Extraction Port:** For connecting a dust extraction system to keep the work area clean.

SETUP

1. Installing the Saw Blade

1. Ensure the jigsaw is disconnected from the power supply.
2. Locate the Fixtec blade clamp mechanism.
3. Push the blade clamp lever or button (refer to specific tool design) to open the clamp.
4. Insert the saw blade into the blade holder with the teeth facing forward. Ensure the blade is fully seated.
5. Release the blade clamp lever/button to secure the blade. Gently pull on the blade to confirm it is firmly locked in place.

2. Adjusting the Base Plate for Bevel Cuts

1. Disconnect the tool from the power supply.
2. Loosen the screws or lever that secure the base plate.
3. Tilt the base plate to the desired angle for bevel cuts (up to 45 degrees). Use the angle scale for precision.
4. Tighten the screws or lever firmly to secure the base plate in position.
5. Always perform a test cut on scrap material to verify the angle before cutting your main workpiece.

3. Connecting to Power

- Ensure the power switch is in the "OFF" position before plugging in the tool.
- Connect the power cord to a suitable 220 Volt AC power outlet.

OPERATING INSTRUCTIONS

1. Powering On/Off

- To start the jigsaw, press the power switch.
- To stop the jigsaw, release the power switch. Note: Some models may have a lock-on button for continuous operation, which must be disengaged to turn off the tool.

2. Selecting Pendulum Action

The two-stage pendulum action allows for faster cutting in softer materials and cleaner cuts in harder materials.

- **Higher Pendulum Setting:** For faster, more aggressive cuts in wood and softer materials. This setting may result in a rougher cut edge.
- **Lower/No Pendulum Setting:** For finer, cleaner cuts in wood, plastics, and metals. This setting is slower but provides better control and finish.
- Adjust the pendulum setting using the dedicated lever or dial on the tool.

3. Cutting Techniques

Always ensure the workpiece is securely clamped to prevent movement during cutting.



Figure 3: User demonstrating cutting a wooden board with the AEG PST 500 X Jigsaw.



Figure 4: Close-up of the AEG PST 500 X Jigsaw in action, performing a cut on wood.

- **Starting a Cut:** Place the front edge of the base plate flat on the workpiece. Start the tool and allow the blade to reach full speed before slowly guiding it into the material along your marked line.
- **Straight Cuts:** Maintain steady pressure and guide the tool smoothly along the cutting line. For long straight cuts, consider using a straight edge guide (not included).
- **Curve Cuts:** Use a narrower blade for tighter curves. Guide the tool slowly, allowing the blade to follow the

curve without forcing it.

- **Bevel Cuts:** After adjusting the base plate angle (as described in Setup), proceed with cutting as usual, ensuring the base plate remains flat on the workpiece.
- **Plunge Cuts:** For internal cuts without a pilot hole, tilt the tool forward so the front edge of the base plate rests on the workpiece. Start the tool, then slowly lower the rear of the base plate until the blade plunges through the material.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your jigsaw. Always disconnect the tool from the power supply before performing any maintenance.

- **Cleaning:** Regularly clean the ventilation openings and the blade area to prevent dust buildup. Use a soft brush or compressed air. Do not use water or solvents.
- **Blade Replacement:** Replace dull or damaged blades promptly. Refer to the "Installing the Saw Blade" section for proper procedure.
- **Power Cord:** Inspect the power cord for any damage before each use. If damaged, have it repaired by a qualified service technician.
- **Storage:** Store the jigsaw in a dry, secure place, out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; faulty power cord; faulty switch.	Check power outlet and cord. If problem persists, contact service.
Blade not cutting efficiently or binding.	Dull or incorrect blade; excessive feed pressure; incorrect pendulum setting.	Replace blade. Reduce feed pressure. Adjust pendulum setting.
Excessive vibration.	Loose blade; damaged blade; worn internal components.	Ensure blade is securely installed. Replace blade. If problem persists, contact service.
Inaccurate cuts.	Loose base plate; incorrect blade; workpiece not secured.	Tighten base plate. Use appropriate blade. Secure workpiece firmly.

SPECIFICATIONS

Feature	Detail
Brand	AEG
Model Number	4935428260 (PST 500 X)
Power Source	Corded Electric
Wattage	440 Watts
Voltage	220 Volts
Speed	3700 RPM
Stroke Length	15 mm

Feature	Detail
Blade Material	Aluminum, Metal, Steel
Recommended Surface	Wood
Cutting Angle	Up to 45 Degrees
Product Dimensions (L x W x H)	29L x 19B x 9H centimeters
Item Weight	2.88 Kilograms
Special Features	Saw blade included, Dust extraction connection
Certifications	CE

Note: The specification for "Included components: Battery" in the source data appears to be an error, as this is a corded electric tool and operates via an electrical cable.

WARRANTY AND SUPPORT

Warranty Information

The AEG PST 500 X Jigsaw comes with a **Limited Warranty**. Please refer to the warranty card included with your product for specific terms and conditions, including coverage duration and limitations.

Spare Parts Availability

Spare parts for this product are available in the EU for a period of **5 years** from the date of purchase.

Customer Support

For technical assistance, service, or warranty claims, please contact AEG customer support. Contact information can typically be found on the AEG official website or on the product packaging. When contacting support, please have your model number (PST 500 X or 4935428260) and purchase date available.