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Alphasew L-Bracket 110V 90W 7000RPM Motor

Alphasew White Home Sewing Machine Motor Instruction Manual

Model: L-Bracket 110V 90W 7000RPM Motor

INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Alphasew White Home Sewing Machine Motor. Please read this manual thoroughly before using the product and retain it for future reference.

This motor is designed for domestic sewing machines, featuring an L-type bracket for easy attachment. It is compatible with many older machine models, including Singer HA-1, 15, 66, 99, and 99K class machines.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of electric shock, fire, or injury to persons:

- Always disconnect the motor from the electrical outlet before cleaning, servicing, or making any adjustments.
- Do not operate the motor with a damaged cord or plug. If the cord or plug is damaged, it must be replaced by a qualified service person.
- Keep hands, hair, and loose clothing away from all moving parts.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- This motor is designed for 110 Volt AC power supply only. Ensure your power source matches this requirement.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Alphasew White Home Sewing Machine Motor with L-Bracket and plug

- New drive belt
- Extra motor brushes

SETUP AND INSTALLATION

Follow these steps to properly install your new sewing machine motor:

1. **Prepare the Sewing Machine:** Ensure your sewing machine is unplugged from the power outlet. Remove any existing motor or belt if present.
2. **Mount the Motor:** Locate the screw hole below the handwheel of your sewing machine. Position the L-bracket of the new motor so that its mounting hole aligns with the screw hole on the machine. Secure the motor firmly using the appropriate screw (typically the one removed from the old motor or provided with your sewing machine).
3. **Install the Drive Belt:** Loop the new drive belt around the motor pulley and the handwheel of your sewing machine. Ensure the belt is taut but not overly tight, allowing for smooth rotation without excessive strain on the motor or machine.
4. **Connect Power:** Plug the motor's power cord into a standard 110 Volt AC electrical outlet.



Image: The Alphasew White Home Sewing Machine Motor, showing its L-bracket for mounting and the drive belt. This motor is designed to attach to the sewing machine body, typically below the handwheel.

OPERATING INSTRUCTIONS

Once the motor is installed and connected to power:

- **Power On:** The motor is typically activated via a foot pedal (not included with the motor, but part of the sewing machine's original setup). Press the foot pedal to start the motor.
- **Speed Control:** The speed of the motor is controlled by the pressure applied to the foot pedal.
- **Motor Rotation:** This motor is designed to run counterclockwise. Ensure your sewing machine's handwheel rotates in the correct direction when the motor is engaged.
- **Power Off:** Release the foot pedal to stop the motor. For extended periods of non-use, unplug the motor from the electrical outlet.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your motor.

- **Cleaning:** Periodically wipe the exterior of the motor with a dry, soft cloth to remove dust and lint. Do not use liquid cleaners or immerse the motor in water.
- **Belt Inspection:** Regularly check the drive belt for signs of wear, cracking, or stretching. A worn belt can slip and reduce motor efficiency. Replace the belt if necessary (a new belt is included with your motor).
- **Motor Brushes:** The motor brushes are consumable parts that wear down over time. If the motor experiences intermittent power, reduced speed, or excessive sparking, the brushes may need replacement. Refer to your sewing machine's manual for specific instructions on accessing and replacing motor brushes. Extra motor brushes are included with your purchase.
- **Lubrication:** This motor is typically sealed and does not require user lubrication. Do not attempt to lubricate internal components.

TROUBLESHOOTING

If you encounter issues with your motor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Motor does not run.	Not plugged in. Power outlet issue. Foot pedal malfunction. Worn motor brushes.	Ensure motor is securely plugged into a live outlet. Test the outlet with another appliance. Check foot pedal connection and function. Inspect and replace motor brushes if worn.
Motor runs slowly or intermittently.	Loose or worn drive belt. Worn motor brushes. Low voltage.	Adjust or replace the drive belt. Inspect and replace motor brushes. Ensure the power supply is stable 110V.
Unusual noise or vibration.	Loose mounting. Worn belt. Internal motor issue.	Check and tighten motor mounting screws. Inspect and replace the drive belt. If the issue persists, contact customer support.

SPECIFICATIONS

Brand	Alphasew
Model Type	Domestic Sewing Machine Motor with L-Bracket
Voltage	110 Volts
Frequency	50/60 Hz
Power (Horsepower)	90 Watts
Current	0.9 Amps
Speed	7000 RPM
Power Lead Length	18 inches
Motor Rotation	Counterclockwise
Item Weight	8 Ounces
Compatible Machines	Most older machines including Singer HA-1, 15, 66, 99, 99K class machines

WARRANTY AND SUPPORT

For warranty information or technical support, please contact Alphasew customer service. Keep your purchase receipt as proof of purchase.

For further assistance, please refer to the contact information provided by your retailer or on the official Alphasew website.