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Maclean MC-497

Maclean MC-497 Extendable Kitchen Lift Instruction Manual

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1. INTRODUCTION

The Maclean MC-497 Extendable Kitchen Lift is a modern and functional solution designed to optimize kitchen cabinet space. Its pull-out mechanism provides easy access to stored items, making it ideal for heavy kitchen appliances such as food processors, microwaves, blenders, or similar items. This lift is designed to enhance convenience and improve kitchen ergonomics, reducing strain on the back and shoulders often associated with lifting heavy objects.

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Maclean MC-497 kitchen lift. Please read all instructions carefully before assembly and use to ensure proper function and longevity of the product.



Image 1.1: The Maclean MC-497 Extendable Kitchen Lift mechanism, showing its robust construction and spring system.

2. SAFETY INFORMATION

Please observe the following safety guidelines to prevent injury and damage to the product:

- **Read all instructions:** Ensure you understand all assembly and operating instructions before installation and use.
- **Weight Capacity:** Do not exceed the maximum load capacity of 20 kg (44 lbs). The lift is designed for loads between 5 kg (11 lbs) and 20 kg (44 lbs).
- **Proper Installation:** Install the lift securely into a sturdy cabinet structure. Ensure all screws are tightened properly.
- **Spring Tension:** Adjust the spring tension according to the weight of the appliance placed on the lift. Incorrect tension can lead to uncontrolled movement.
- **Children and Pets:** Keep children and pets away from the lift during operation to prevent pinching or injury.
- **Maintenance:** Regularly inspect the lift for any signs of wear, damage, or loose components. Do not use if damaged.
- **Intended Use:** This product is designed for storing and accessing kitchen appliances within a cabinet. Do not use it for purposes other than its intended use.

3. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present and undamaged. If any parts are missing or damaged, contact your retailer for assistance.

- Maclean MC-497 Extendable Kitchen Lift mechanism (1 set)
- Mounting accessories (screws, Allen key)
- Assembly instructions (this manual)



Image 3.1: Included mounting accessories, consisting of various screws and an Allen key for assembly.

4. PRODUCT SPECIFICATIONS

Feature	Specification
Model	MC-497
Material	Alloy Steel
Color	Silver
Product Dimensions (L x W x H)	820 x 168 x 106 mm (32.3 x 6.6 x 4.2 inches)
Maximum Load Capacity	5 - 20 kg (11 - 44 lbs)
Mounting Type	Cabinet / Wall Mounting
Spring Tension Adjustment	6 levels

Dimensions (mm)

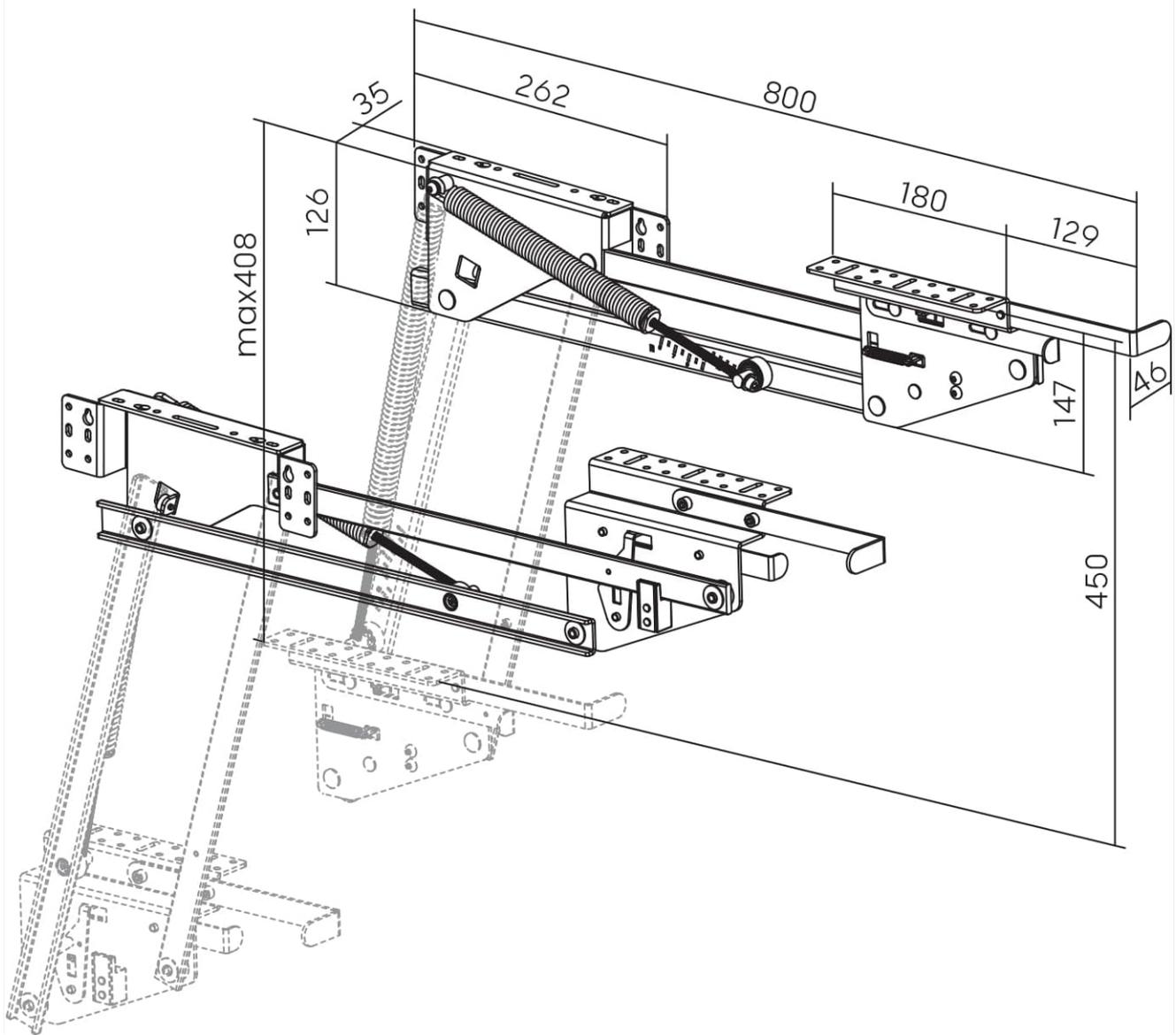


Image 4.1: Technical drawing showing detailed dimensions of the MC-497 lift in millimeters.

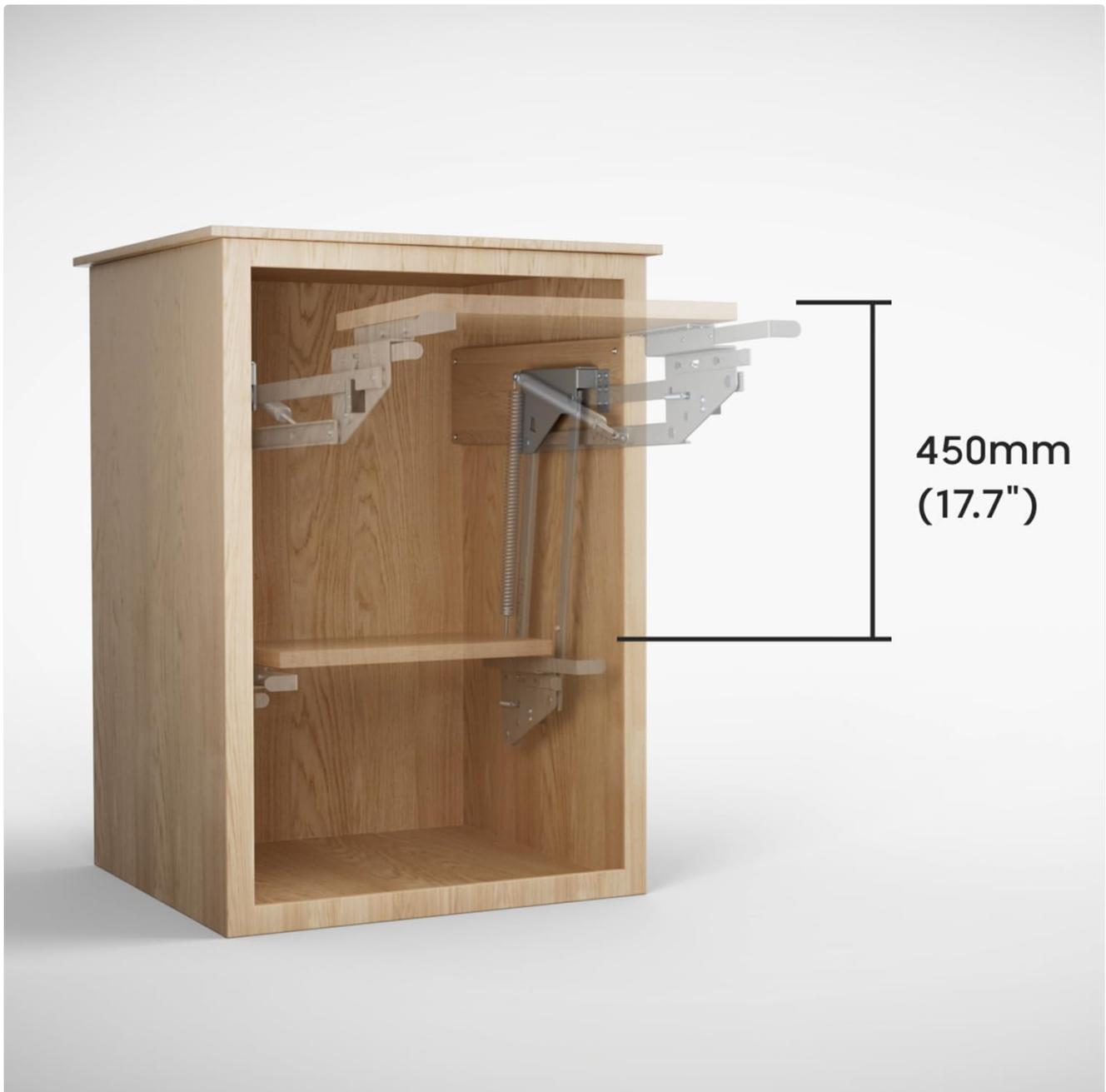


Image 4.2: Illustration of the lift installed in a cabinet, indicating a minimum cabinet height requirement of 450mm (17.7 inches).

5. SETUP & INSTALLATION

The Maclean MC-497 kitchen lift is designed for installation inside a kitchen cabinet. Ensure your cabinet meets the minimum dimensions required for proper fit and operation.

5.1. Pre-Installation Checks

- **Cabinet Compatibility:** Verify that your cabinet has sufficient internal depth and height. Refer to the dimensions in Section 4.
- **Structural Integrity:** Ensure the cabinet walls where the lift will be mounted are sturdy enough to support the weight of the lift and the appliance (up to 20 kg). Reinforce if necessary.
- **Tools Required:** You will need a drill, screwdriver, measuring tape, and a pencil for marking.

5.2. Installation Steps

1. **Positioning:** Determine the desired mounting height within your cabinet. The lift should be positioned to allow the appliance to be easily accessed when extended and fully stored when retracted.

2. **Marking Drill Holes:** Hold one side of the lift mechanism against the inner side wall of the cabinet at the desired height. Use a pencil to mark the positions for the mounting screws. Ensure the mechanism is level.
3. **Drilling Pilot Holes:** Drill pilot holes at the marked positions. Use a drill bit appropriate for your cabinet material and screw size.
4. **Mounting the Mechanism:** Secure the first side of the lift mechanism to the cabinet wall using the provided screws. Do not overtighten initially.
5. **Repeat for Second Side:** Repeat steps 2-4 for the second side of the lift mechanism, ensuring both sides are parallel and at the same height.
6. **Final Tightening:** Once both sides are mounted and aligned, fully tighten all mounting screws.
7. **Attach Shelf/Platform (if applicable):** If your appliance requires a separate shelf or platform, attach it to the lift mechanism according to its own instructions.



Image 5.1: The MC-497 lift mechanism securely installed inside a wooden cabinet, ready for use.

6. OPERATION

The Maclean MC-497 lift features a smooth pull-out and lift-up mechanism with adjustable spring tension to accommodate different appliance weights.

6.1. Placing an Appliance

Carefully place your kitchen appliance onto the lift's platform. Ensure it is centered and stable before operating the lift.

6.2. Lowering the Lift

To lower the lift, gently push down on the platform. The spring mechanism will assist in a controlled descent. Continue pushing until the lift is fully retracted into the cabinet.

6.3. Raising the Lift

To raise the lift, gently pull the platform upwards. The spring mechanism will assist in lifting the appliance smoothly to your desired working height. Ensure the lift locks securely in the extended position before releasing.

6.4. Adjusting Spring Tension

The lift features a 6-level spring tension adjustment. This allows you to fine-tune the resistance based on the weight of your appliance, ensuring smooth and effortless operation. Use the provided Allen key to adjust the tension mechanism located on the side of the lift. Increase tension for heavier appliances and decrease for lighter ones. Test the movement after each adjustment to find the optimal setting.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Maclean MC-497 kitchen lift.

- **Cleaning:** Wipe the metal surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Lubrication:** Periodically apply a small amount of silicone-based lubricant to the moving parts and pivot points to ensure smooth operation. Do not use oil-based lubricants that can attract dust.
- **Inspection:** Regularly check all mounting screws and connections to ensure they are tight. Inspect the springs and mechanism for any signs of wear, bending, or damage.
- **Damage:** If any part of the lift is damaged or appears to be malfunctioning, discontinue use immediately and contact customer support. Do not attempt to repair it yourself.

8. TROUBLESHOOTING

If you encounter issues with your Maclean MC-497 kitchen lift, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lift is difficult to raise or lower.	Incorrect spring tension for the appliance weight.	Adjust the spring tension (refer to Section 6.4). Increase tension for heavier loads, decrease for lighter loads.
Lift moves unevenly or makes noise.	Lack of lubrication; loose mounting screws; obstruction.	Lubricate moving parts (refer to Section 7). Check and tighten all mounting screws. Ensure no objects are obstructing the mechanism.
Lift does not stay in the extended position.	Spring tension too low; locking mechanism issue.	Increase spring tension. Inspect the locking mechanism for damage or obstruction.
Appliance wobbles on the platform.	Appliance not centered; platform not securely attached.	Ensure the appliance is centered on the platform. Check that the platform is securely attached to the lift mechanism.

If the problem persists after attempting these solutions, please contact Maclean customer support for further assistance.

9. WARRANTY & SUPPORT

Maclean products are designed for durability and reliability. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Specific warranty terms and duration may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or warranty inquiries, please contact your retailer or visit the official Maclean website. When contacting support, please have your product model number (MC-497) and purchase date available.

Manufacturer: Maclean

Model: MC-497