

Fruhdi 450626

Fruhdi Limoss 450626 Motor Actuator Replacement Kit Instruction Manual

Model: 450626 / MD141-27-L1-157-333

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Fruhdi Limoss 450626 Motor Actuator Replacement Kit. This kit is designed to replace the Limoss Part Number 450626, Model MD141-27-L1-157-333 motor, commonly found in various recliner lift chairs. Please read this manual thoroughly before proceeding with installation or operation to ensure proper function and safety.

2. SAFETY INFORMATION

- Always disconnect power to the recliner chair before attempting any installation, maintenance, or repair.
- Ensure all electrical connections are secure and free from damage.
- Keep hands and loose clothing clear of moving parts during operation.
- Do not operate the recliner if any components are damaged or if the wiring is frayed.
- This product is intended for adult use only. Keep children and pets away from the recliner during operation and maintenance.
- If you are unsure about any step, consult a qualified technician.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 1x Limoss Recliner Motor Actuator Replacement Model 450626
- 1x Limoss Round 2 Button 5 Pin Switch Remote Control
- 1x Limoss Lift Chair Power Supply Replacement Transformer Model MC120
- 1x Limoss US Version AC Cable Cord



Image 3.1: All components included in the Fruhdi Limoss 450626 Motor Actuator Replacement Kit.

4. SPECIFICATIONS

Feature	Specification
Part Number	450626
Model	MD141-27-L1-157-333
Stroke	333mm / 13.11 inches
Minimum Install Dimension	160mm / 6.3 inches
Maximum Installation Dimension	493mm / 19.41 inches
Maximum Load (Push/Pull)	750N
Input Voltage	18-35V
Max Current	5A
Duty Cycle	Max. T _{on} : 2min, Min. T _{off} : 18min
Power Supply Connection	2 Pin
Hand Control Connection	5 Pin
Item Weight	5.79 pounds

Feature	Specification
Package Dimensions	25 x 7 x 4.4 inches



Image 4.1: Detailed view of the motor actuator label with technical specifications.

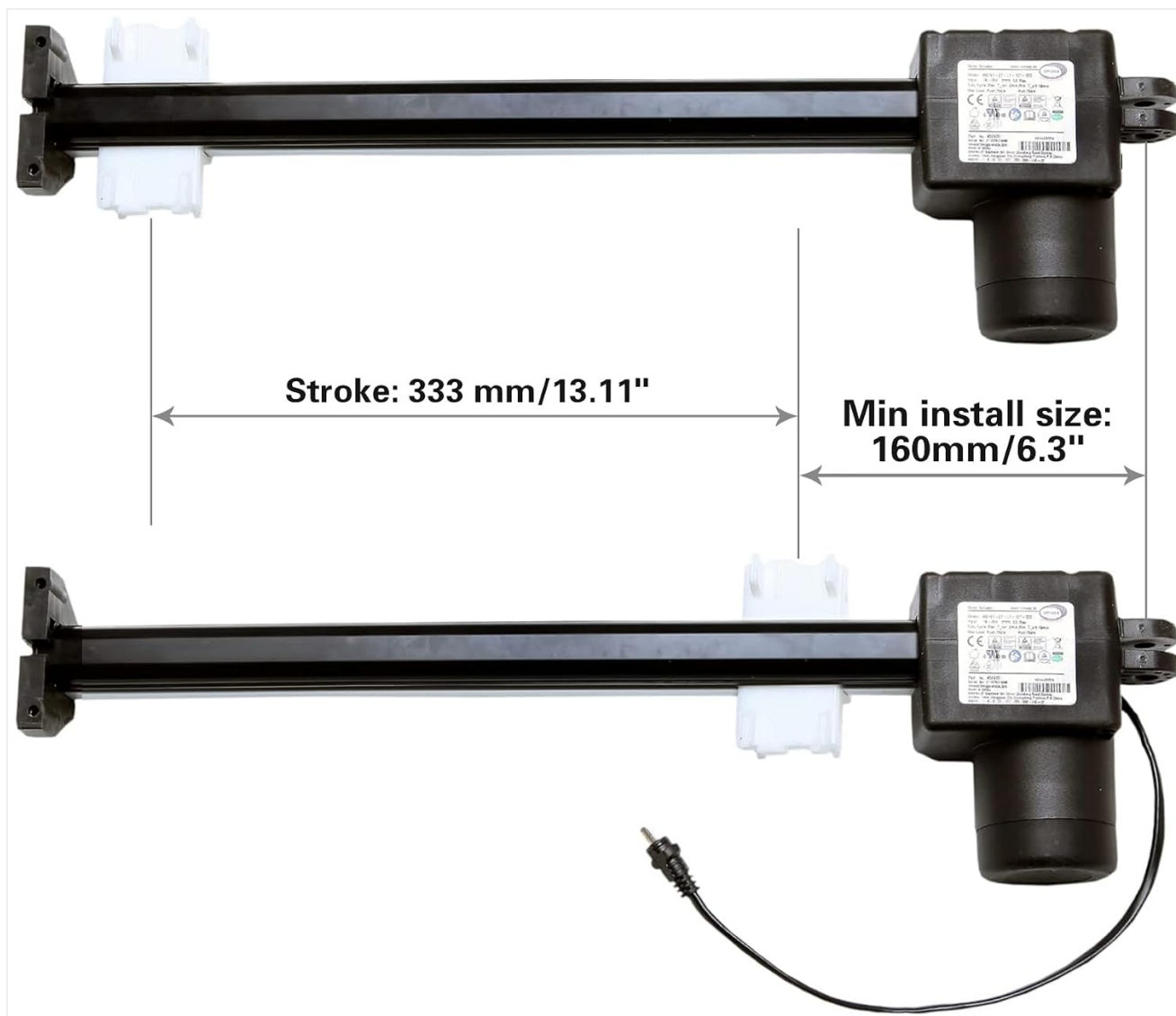


Image 4.2: Actuator dimensions, including stroke and minimum installation size.

5. SETUP AND INSTALLATION

This replacement kit is designed for easy installation. However, proper steps must be followed to ensure correct function and safety.

1. **Preparation:** Before beginning, ensure the recliner chair is unplugged from the power outlet. Position the chair to allow easy access to the existing motor actuator. It may be helpful to turn the chair upside down or tilt it back.
2. **Identify Existing Components:** Locate the current motor actuator, power supply, and hand control. Note how they are connected. Verify that your existing motor matches the Limoss Part Number 450626 or Model MD141-27-L1-157-333.
3. **Disconnect Old Components:**
 - Disconnect the 2-pin power supply transformer connection from the motor.
 - Disconnect the 5-pin hand control plug connection from the motor.
 - Carefully remove the old motor actuator from its mounting points. Typically, this involves removing upper screws (often Phillips head or hex head) that secure the actuator. Removing lower bolts may not be necessary.
4. **Replace Hand Control (if necessary):** If replacing the hand control, gently pry the old switch out after removing its attachment screws. Tie a string to the old switch's attachment plug and pull the wire through the

opening. Then, tie the string to the new switch's attachment plug and pull it back through the entry and exit hole to guide the new wiring.

5. **Install New Motor Actuator:** Position the new Limoss 450626 motor actuator in the same location as the old one. Secure it using the appropriate screws. Ensure the minimum install dimension of 160mm (6.3 inches) is maintained for proper operation.

6. **Connect New Components:**

- Connect the new 5-pin hand control plug to the motor actuator.
- Connect the new 2-pin power supply transformer to the motor actuator.
- Connect the AC cable cord to the power supply transformer and then to a wall outlet.

7. **Test Functionality:** Once all connections are secure, plug the recliner back into a power outlet. Use the hand control to test the full range of motion (up and down) of the recliner. Ensure smooth operation without any binding or unusual noises.



Image 5.1: The Limoss 450626 Motor Actuator, ready for installation.



Image 5.2: Illustrative image of a recliner chair, indicating the typical location for motor actuator installation.

6. OPERATING INSTRUCTIONS

The recliner's movement is controlled by the 2-button 5-pin switch remote control.

- **To Recline/Extend:** Press and hold the appropriate button on the hand control to extend the footrest and recline the chair.
- **To Return to Upright Position:** Press and hold the other button on the hand control to retract the footrest and return the chair to its upright position.
- Release the button at any desired position to stop the movement.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and smooth operation of your recliner's motor actuator.

- **Cleaning:** Keep the motor actuator and surrounding areas free from dust and debris. Use a dry cloth for cleaning. Do not use liquid cleaners directly on electrical components.
- **Connection Checks:** Periodically inspect all electrical connections (power supply, hand control) to ensure

they are secure and free from corrosion or damage.

- **Wiring Inspection:** Check the power cord and all internal wiring for any signs of fraying, cuts, or pinching. Replace damaged wiring immediately.
- **Lubrication:** The motor actuator is generally maintenance-free regarding internal lubrication. Avoid applying lubricants unless specifically instructed by the manufacturer, as this can attract dust and interfere with operation.

8. TROUBLESHOOTING

If your recliner is not operating correctly, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Recliner does not move.	No power to the unit.	Ensure the power cord is securely plugged into a working wall outlet. Check the connection between the power supply and the motor actuator.
Recliner moves intermittently or slowly.	Loose connection or insufficient power.	Check all electrical connections. Ensure the power supply is functioning correctly. The motor's duty cycle (2 min on, 18 min off) might be exceeded; allow it to cool down.
Unusual noise during operation.	Obstruction or loose mounting.	Inspect the area around the motor actuator for any obstructions. Verify that the motor actuator is securely mounted and all screws are tightened.
Hand control not responding.	Faulty hand control or connection.	Check the 5-pin connection between the hand control and the motor actuator. If possible, test with a known working hand control.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Fruhdi Limoss 450626 Motor Actuator Replacement Kit, please contact the manufacturer directly. Refer to your purchase documentation for specific warranty terms and contact details.

Brand: Fruhdi

For further assistance, you may visit the Fruhdi store on Amazon:[Fruhdi Store](#)