

Fruhdi MD140-02-L1-157-307

Fruhdi Recliner Lift Chair Motor Actuator Replacement Kit User Manual

Model: Limoss 450312 MD140-02-L1-157-307

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective installation, operation, and maintenance of your Fruhdi Recliner Lift Chair Motor Actuator Replacement Kit. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in injury or product damage.

- Always disconnect the recliner from the power source before performing any installation, maintenance, or troubleshooting.
- Ensure the maximum load capacity of the recliner chair is not exceeded. Refer to your chair's original manual for specific load limits.
- Install the motor actuator correctly and securely to prevent tipping or damage to the chair or the motor.
- Keep hands and loose clothing clear of moving parts during operation.
- This product is designed for adult use. Keep children and pets away from the mechanism during operation.

PACKAGE CONTENTS

Verify that all components are present in your replacement kit:

- Limoss MD140-02-L1-157-307 Motor Actuator (Part Number 450312)
- Limoss Round 2-Button 5-Pin Switch (Hand Control)
- Limoss Power Supply (Model MC120)
- US Version AC Cable Cord



Image: Overview of the Limoss motor actuator, power supply, hand control, and AC cable.

SPECIFICATIONS

Feature	Specification
Model Name	MD140-02-L1-157-307
Part Number	450312
Manufacturer	Limoss
Stroke	307mm / 12.09 inches
Minimum Install Dimension	157mm / 6.18 inches
Maximum Load (Push/Pull)	3000N
Power Supply Model	MC120
Hand Control Connection	5-Pin

Power Supply Connection	2-Pin
Item Weight	6.93 pounds
Package Dimensions	25 x 7 x 4 inches

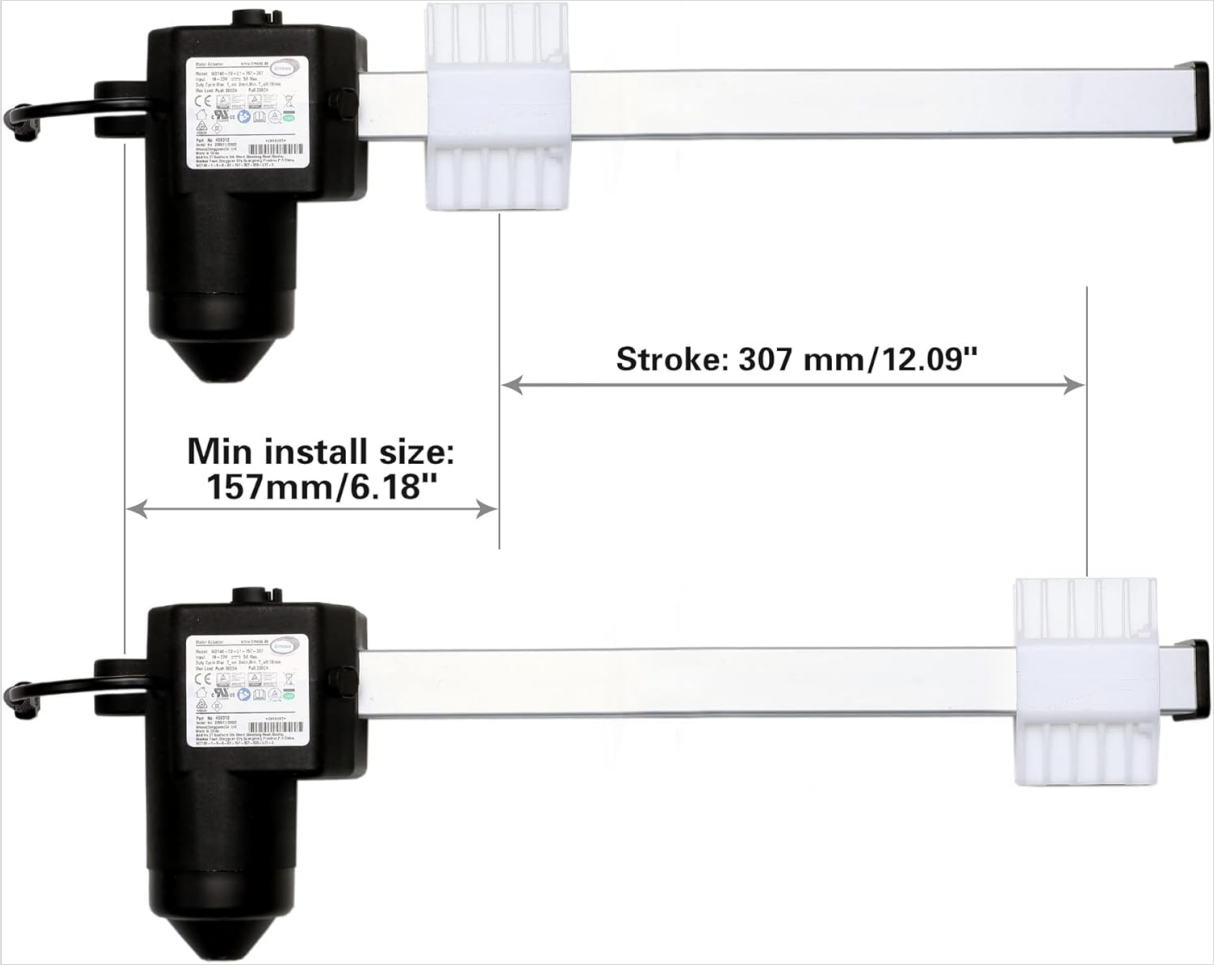


Image: Diagram showing the stroke (307mm/12.09 inches) and minimum install size (157mm/6.18 inches) of the motor actuator.

SETUP AND INSTALLATION

This replacement kit is designed for easy installation. However, if you are unsure about any steps, consult a qualified technician.

1. **Prepare the Chair:** Position the recliner chair in an accessible area. Ensure it is stable and will not tip during the installation process.
2. **Disconnect Power:** **Crucially, unplug the recliner chair from the wall outlet before proceeding.**
3. **Identify and Remove Old Motor:** Locate the existing motor actuator under the chair. It is typically secured by 4 bolts and a connecting pin. Carefully remove these fasteners. Disconnect the old hand control and power supply cables from the motor. Remove the old motor.
4. **Install New Motor Actuator:** Position the new Limoss MD140-02-L1-157-307 motor actuator in the same location as the old one. Secure it using the 4 bolts and the connecting pin. Ensure all connections are tight and the motor is stable.
5. **Connect Hand Control:** Plug the 5-pin connector from the new hand control into the corresponding port on the motor actuator.

6. **Connect Power Supply:** Plug the 2-pin connector from the power supply (Model MC120) into the motor actuator. Then, connect the AC cable cord to the power supply.
7. **Test Functionality:** Once all connections are secure, plug the recliner chair back into a wall outlet. Use the hand control to test the motor's movement. Ensure the chair reclines and lifts smoothly without obstruction.

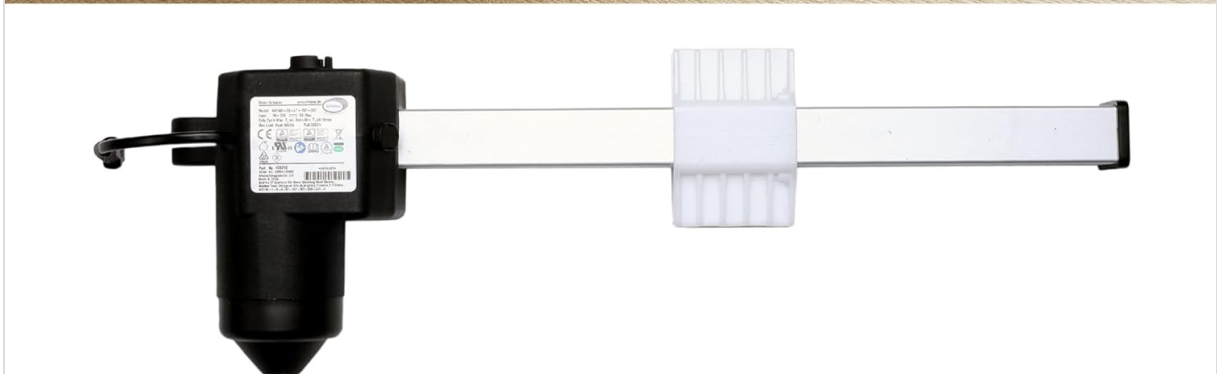


Image: A recliner chair demonstrating the typical location for motor actuator installation.





Image: The round 2-button, 5-pin hand control for operating the recliner.



Image: The Limoss Model MC120 power supply unit.



Image: The US version AC power cable cord.

OPERATING INSTRUCTIONS

The recliner lift chair is operated using the provided 2-button, 5-pin hand control.

- **To Recline:** Press and hold the button marked with a downward arrow or recline symbol. The chair will smoothly move into a reclined position. Release the button when the desired position is reached.
- **To Lift/Return to Upright:** Press and hold the button marked with an upward arrow or lift symbol. The chair will return to an upright position or lift to assist in standing. Release the button when the

desired position is reached.

Avoid pressing both buttons simultaneously. Do not force the chair into a position; allow the motor to operate smoothly.

MAINTENANCE

Proper maintenance ensures the longevity and smooth operation of your motor actuator.

- **Cleaning:** Wipe clean the motor actuator and surrounding components with a dry or slightly damp cloth. Do not use abrasive cleaners or immerse the motor in water.
- **Inspection:** Periodically inspect all cables and connections for signs of wear, fraying, or damage. Ensure all bolts and pins securing the motor are tight.
- **Lubrication:** The motor actuator is factory-lubricated and generally does not require additional lubrication. If you notice unusual noise or stiffness, consult a professional.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Chair does not move	No power to the unit	Check if the power cord is securely plugged into the wall outlet and the power supply. Ensure the power supply is connected to the motor.
Chair moves slowly or intermittently	Loose connection or obstruction	Inspect all cable connections for tightness. Check for any objects obstructing the motor or chair mechanism.
Unusual noise during operation	Mechanism friction or motor issue	Ensure no parts are rubbing. If the noise persists, contact customer support.
Hand control unresponsive	Faulty hand control or connection	Check the 5-pin connection to the motor. If still unresponsive, the hand control may need replacement.

If these troubleshooting steps do not resolve the issue, please contact Fruhdi customer support for further assistance.

WARRANTY AND SUPPORT

For information regarding warranty coverage or to obtain technical support, please refer to the original purchase documentation or contact Fruhdi customer service directly. When contacting support, please have your product model number (MD140-02-L1-157-307) and part number (450312) available. You can visit the Fruhdi Store for more information:[Fruhdi Store on Amazon](#)

