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› Limoss 450314 Power Recliner Replacement Motor Actuator User Manual

Limoss MD120-02-L1-317-157

Limoss 450314 Power Recliner Replacement Motor Actuator User Manual

Brand: Limoss | Model: MD120-02-L1-317-157 | Part No: 450314

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Limoss 450314 MD120-02-L1-317-157 Power Recliner Replacement Motor Actuator. This motor is designed specifically for replacing part #450314 in power recliners and sofas. It features a 2-pin flat round power transformer connection and a 5-pin hand control plug connection.

Before proceeding with installation or purchase, it is crucial to verify that this motor is the correct replacement part for your furniture. Always check your existing motor's label for the part number.



Figure 1: Limoss 450314 Power Recliner Replacement Motor Actuator.

2. IMPORTANT SAFETY INFORMATION

- Always disconnect power to the furniture before attempting any installation, maintenance, or repair.
- Ensure all connections are secure and properly seated to prevent electrical hazards.
- Do not operate the motor if any wires are frayed, damaged, or exposed.
- Keep hands, hair, and loose clothing clear of moving parts during operation.
- The maximum weight capacity for furniture using this motor is **250 lbs**. Do not exceed this limit.
- This product is intended for indoor use only.

3. PRODUCT FEATURES

- Direct replacement for Limoss Part #450314.
- Compatible with Limoss Model MD120-02-L1-317-157.
- Features a 2-pin flat round power transformer connection.
- Equipped with a 5-pin hand control plug connection.
- Durable metal construction.

4. SETUP AND INSTALLATION

Before installing your new motor, it is highly recommended to watch the instructional video provided by the seller. This video covers critical pre-purchase and installation checks.

Your browser does not support the video tag.

Video: View Before Ordering 450314 Motor. This video provides essential guidance on verifying compatibility and troubleshooting common issues before replacing the motor.

Pre-Installation Checks:

1. **Troubleshoot your SWITCH and POWER SUPPLY:** These are the two most common issues with power furniture. Before purchasing or replacing the motor, ensure that your existing switch and power supply are functioning correctly. You may need to test them or replace them first.
2. **Match Motor Part Number:** Verify that the part number on your existing motor matches the replacement part number 450314. The model number MD120-02-L1-317-157 is compatible with this part.



Figure 2: Close-up of the motor label, highlighting the part number 450314 and model number MD120-02-L1-317-157. Ensure these match your existing motor.

For additional verification, you can check the serial number on the motor label. For this specific motor, a relevant link is [0363255](#).

Installation Steps:

1. **Disconnect Power:** Unplug the recliner from the wall outlet.
2. **Remove Old Motor:** Carefully detach the old motor from the recliner frame. Note how it is mounted and connected.
3. **Disconnect Wiring:** Disconnect the 2-pin flat round power transformer connection and the 5-pin hand control plug connection from the old motor.



Figure 3: The 2-pin flat round power transformer connection.



Figure 4: The 5-pin hand control plug connection.

4. **Install New Motor:** Mount the new Limoss 450314 motor onto the recliner frame in the same manner as the old one.
5. **Connect Wiring:** Connect the 2-pin flat round power transformer plug and the 5-pin hand control plug to the corresponding ports on the new motor. Ensure they click securely into place.
6. **Test Operation:** Plug the recliner back into the wall outlet and test the functionality of the motor using the hand control.

5. OPERATING INSTRUCTIONS

The Limoss 450314 motor actuator enables the reclining and extending functions of your power furniture. Operation is typically controlled via a hand control unit connected to the motor.

- Press and hold the appropriate button on your hand control to extend the footrest or recline the backrest.
- Release the button to stop the movement at your desired position.
- Press and hold the opposite button to retract the footrest or return the backrest to its upright position.

Refer to your recliner's specific user manual for detailed operating instructions of the furniture itself.

6. MAINTENANCE

- **Cleaning:** Wipe clean with a dry or slightly damp cloth. Do not use abrasive cleaners or immerse the motor in water.
- **Inspection:** Periodically inspect the motor and all connections for any signs of wear, damage, or loose wiring.
- **Lubrication:** The motor is factory-lubricated and generally does not require additional lubrication. If unusual noises or stiffness occur, consult a qualified technician.

7. TROUBLESHOOTING

If your recliner is not operating correctly after motor replacement, consider the following common issues:

Problem	Possible Cause	Solution
Motor does not respond.	No power to the unit, faulty power supply, or faulty hand control switch.	Check if the recliner is plugged into a working outlet. Test the power supply unit (transformer) with a multimeter if possible, or try a known working power supply. Test the hand control switch. This is a common failure point. Consider replacing the switch if it's suspected to be faulty. Ensure all connections (2-pin and 5-pin) are securely plugged in.
Motor makes noise but does not move.	Motor is jammed, or internal gears are stripped.	Inspect the mechanism for any obstructions. If the motor hums but doesn't move, it might be overloaded or internally damaged.
Motor moves slowly or intermittently.	Insufficient power, loose connection, or motor nearing end of life.	Check power supply output. Ensure all connections are tight. Verify the weight on the recliner does not exceed the maximum capacity.

If troubleshooting steps do not resolve the issue, contact the seller or a qualified technician for further assistance.

8. SPECIFICATIONS

Attribute	Detail
Brand	Limoss
Part Number	450314
Model Number	MD120-02-L1-317-157
Input Voltage	18-35V
Max Current	5A Max

Attribute	Detail
Duty Cycle	Max. T_on: 2min, Min. T_off: 18min
Max Load (Push/Pull)	1500N (approx. 337 lbs)
Power Connection	2 Pin Flat Round
Hand Control Connection	5 Pin Plug
Item Weight	4.29 pounds
Package Dimensions	13.5 x 10.24 x 3.66 inches
Material	Metal
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact the seller, Enro Services, or the manufacturer, Limoss, directly. It is advisable to retain your purchase receipt for any warranty claims.

Always contact support if you have any doubts or require assistance to avoid unnecessary returns or damage to your product.

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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