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> Fruhdi Mulin ML18D07 ML18-055A Power Recliner Motor Kit Instruction Manual

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INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Fruhdi Mulin ML18D07 ML18-055A Power Recliner Motor Kit. This kit is designed as a replacement actuator for power recliners and lift chairs. Please read these instructions carefully before installation and use.

SAFETY INFORMATION

Always unplug the power supply before performing any maintenance or troubleshooting. Do not exceed the maximum weight recommendation of 224.809 pounds to ensure stability and safety. Keep the power cord away from heat sources and sharp objects to prevent damage. Always follow the manufacturer's instructions for safe operation and maintenance.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x Mulin Recliner Motor Actuator Replacement Model ML18D07 ML18-055A
- 1x Mulin Round 2 Button 5 Pin Switch Remote Control
- 1x Mulin Lift Chair Power Supply Replacement Transformer Kit (Batteries not included)
- 1x Mulin 4.26ft US Version AC Cable Cord



Image: The complete Fruhdi Mulin ML18D07 ML18-055A Power Recliner Motor Kit, showing the linear actuator, 2-button remote, power supply, and AC power cord.

INSTALLATION INSTRUCTIONS

Step 1: Disconnect Power

Before beginning any installation, ensure the recliner or lift chair is unplugged from the wall outlet to prevent electrical hazards.

Step 2: Remove Old Components

Carefully disconnect the existing motor, hand control, and power supply from your recliner. Note the routing of cables and mounting positions for easier reinstallation of the new components.

Step 3: Install New Motor Actuator

Position the new ML18D07 ML18-055A motor actuator in the same location as the old unit. Secure it using the existing mounting points on the recliner frame. Ensure the motor is firmly attached and can move freely without obstruction.

Back View:



Top View:



Bottom View:



Image: Various views (back, top, bottom) of the ML18D07 ML18-055A motor actuator, illustrating its mounting points and overall structure for proper installation.

Step 4: Connect Components

Connect the new components as follows:

- Connect the 5-pin round plug from the hand control to the corresponding 5-pin port on the motor.
- Connect the 2-pin flat plug from the power supply to the corresponding 2-pin port on the motor.
- Connect the AC cable to the power supply, then plug the power supply into a standard wall outlet.



Image: Close-up view of the ML18D07 ML18-055A motor showing the 5-pin round connector for the hand control and the 2-pin flat connector for the power supply, indicating proper connection points.

Step 5: Test Operation

Once all connections are secure, plug the recliner into a power outlet and test the functionality using the hand control. Ensure smooth and complete movement in both directions.

OPERATING INSTRUCTIONS

The included 2-button hand control operates the recliner's movement:

- Press and hold the **"UP"** button to extend the motor, moving the recliner to an upright or lifted position.
- Press and hold the **"DOWN"** button to retract the motor, moving the recliner to a reclined position.

Release the button at any desired position to stop movement.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your motor kit:

- **Cleaning:** Keep the motor and surrounding areas free from dust and debris. Use a dry cloth for cleaning.
- **Cable Inspection:** Periodically check all cables and connections for signs of wear, fraying, or damage. Ensure connections are secure.
- **Lubrication:** The motor actuator is factory-lubricated and generally does not require additional lubrication. Avoid applying lubricants unless specifically instructed by the manufacturer.

TROUBLESHOOTING

If your recliner is not operating correctly, perform the following checks before seeking further assistance:

- **No Movement:**
 - Ensure the power cord is securely plugged into both the wall outlet and the power supply.
 - Verify that the power supply is correctly connected to the motor.
 - Check the 5-pin hand control connection to the motor for security.
 - Test the wall outlet with another appliance to confirm it has power.
- **Intermittent Movement:**
 - Inspect all cable connections for looseness.
 - Check for any obstructions preventing the motor from moving freely.
- **Unusual Noise:**
 - A slight operational hum is normal. Excessive or unusual noise may indicate an issue. Ensure the motor is securely mounted and not rubbing against any part of the chair frame.

If issues persist after these checks, consult a qualified technician.

SPECIFICATIONS

Feature	Detail
Model	ML18D07 ML18-055A
Stroke	328 mm / 12.91 inches
Minimum Install Dimension	164 mm / 64.56 inches
Max. Load	1000N
Speed	45mm/s
Input	DC 28V 2A
Output	48W
Material	Aluminum
Manufacturer	Mulin

IMPORTANT NOTE

This motor is specifically model ML18D07 ML18-055A and is not a direct replacement for ML18D07 ML18-055B or ML18-055D. Always verify your existing motor's model number before ordering to ensure compatibility.