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Recliner-Handles MTR043

Recliner-Handles Replacement Linear Actuator Motor MTR043 User Manual

1. Introduction

This manual provides instructions for the installation, operation, and maintenance of the Recliner-Handles Replacement Linear Actuator Motor, model MTR043. This motor is designed as a compatible replacement for linear actuators in various lift chairs and electric recliners, specifically those requiring a 333mm stroke. It is compatible with part numbers KDPT005-38, KDPT007-02, and KDPT005-002.

2. Safety Information

- **Disconnect Power:** Always unplug the lift chair or recliner from the electrical outlet before attempting any installation, maintenance, or troubleshooting. Failure to do so can result in electric shock or injury.
- **Qualified Personnel:** Installation and repair should ideally be performed by individuals with experience in electrical and mechanical systems.
- **Inspect Components:** Before installation, inspect all components for damage. Do not install damaged parts.
- **Proper Tools:** Use appropriate tools for installation to prevent damage to the motor or chair.
- **Avoid Pinch Points:** Be aware of moving parts during operation and installation to avoid pinching fingers or clothing.

3. Package Contents

Verify that all components are present and undamaged upon opening the package.

- 1 x Recliner-Handles Linear Actuator Motor (MTR043)

4. Setup and Installation

Follow these steps carefully to replace the linear actuator motor in your lift chair or electric recliner.

1. **Disconnect Power:** Ensure the chair is unplugged from the wall outlet.
2. **Position the Chair:** Carefully turn the chair over or tilt it back to access the underside where the motor is located.

It may be helpful to have assistance.

3. **Locate the Old Motor:** Identify the existing linear actuator motor. Note how it is mounted and connected.
4. **Disconnect Electrical Connections:** Unplug the motor's power cable and any control cables from the chair's control box or power supply. Pay attention to the type of connectors used.

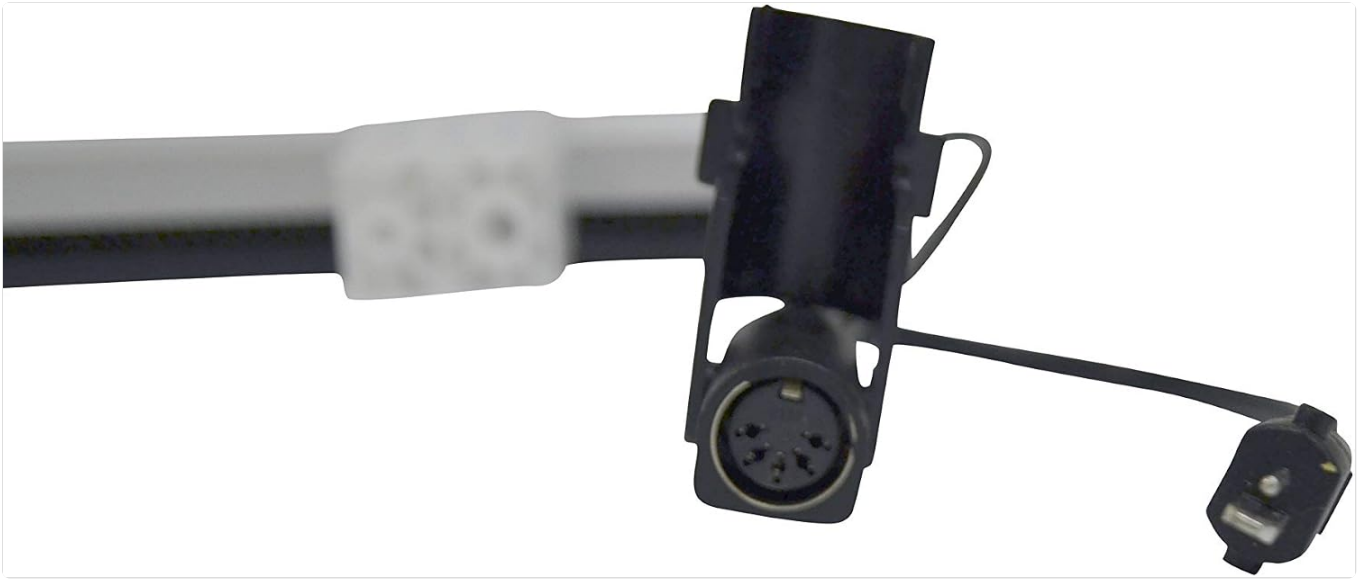


Figure 1: Electrical connectors for the linear actuator motor. Ensure these match your existing connections.

5. **Remove Mounting Pins/Bolts:** The motor is typically secured by pins or bolts at both ends. Remove these fasteners carefully. Keep track of any washers or spacers.
6. **Remove Old Motor:** Once disconnected electrically and mechanically, carefully remove the old motor from the chair frame.
7. **Install New Motor:** Position the new Recliner-Handles MTR043 motor in the same location as the old one. Align the mounting points.



Figure 2: The Recliner-Handles MTR043 Linear Actuator Motor.

8. **Secure Mounting Pins/Bolts:** Reinsert the mounting pins or bolts to secure the new motor to the chair frame. Ensure they are tightened appropriately, but do not overtighten.
9. **Reconnect Electrical Connections:** Plug the new motor's power and control cables into the corresponding ports on the chair's control box or power supply. Ensure connections are firm and secure.

10. **Test Operation:** Carefully return the chair to its upright position. Plug the chair back into the electrical outlet. Test the chair's functions (recline, lift) to ensure the new motor operates correctly and smoothly.
11. **Final Check:** Observe the motor's movement and listen for any unusual noises. Ensure all cables are clear of moving parts.

5. Operating Instructions

The Recliner-Handles MTR043 linear actuator motor functions as an integral part of your lift chair or electric recliner's mechanism. Its operation is controlled directly by the chair's existing hand control or integrated buttons. Pressing the appropriate buttons on your chair's control will extend or retract the motor's rod, thereby moving the chair into the desired position (e.g., recline, lift, or upright).

6. Maintenance

- **Cleaning:** Keep the motor free from dust and debris. Wipe the exterior with a dry or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the motor and its connections for any signs of wear, damage, or loose wiring. Ensure mounting pins/bolts remain secure.
- **Lubrication:** The internal components of the linear actuator are typically pre-lubricated and sealed. External lubrication is generally not required. If unusual noises occur, consult a qualified technician.

7. Troubleshooting

Problem	Possible Cause	Solution
Motor does not operate	No power to the chair; Loose electrical connection; Faulty hand control; Motor malfunction.	Check if the chair is plugged in; Verify all electrical connections are secure; Test with a known working hand control (if possible); If issues persist, contact support.
Motor makes unusual noise	Obstruction in mechanism; Worn internal components; Loose mounting.	Inspect for any objects obstructing the motor's movement; Check mounting bolts for tightness; If noise continues, professional inspection may be required.
Chair moves slowly or intermittently	Low power supply; Overload; Partial electrical connection.	Ensure the power supply is adequate; Do not exceed the chair's weight capacity; Check all electrical connections for looseness or corrosion.

8. Specifications

- **Model:** MTR043
- **Type:** Linear Actuator Motor
- **Stroke Length:** 333mm (13.11 inches)
- **Max Load:** 800N
- **Voltage:** DC 28V
- **Material:** Metal
- **Color:** Black

- **Compatible Replacements:** KDPT005-38, KDPT007-02, KDPT005-002
- **Item Weight:** Approximately 4.3 Pounds
- **Item Dimensions:** Approximately 22 x 5 x 7 inches

9. Warranty and Support

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or assistance with troubleshooting, please contact the Recliner-Handles customer service department through your purchase platform or the official brand website.

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