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Uetmulik HJA65 GM1450-RM

Uetmulik Richmat HJA65 GM1450-RM Actuator Motor Replacement Manual

Model: HJA65 GM1450-RM

Introduction

This manual provides essential information for the installation and use of the Richmat Model HJA65 GM1450-RM Actuator Motor Replacement. This motor is designed for specific lift chair applications, particularly compatible with MaxiComfort chairs. Please read these instructions carefully before proceeding with installation to ensure proper function and safety.

Product Overview

The Richmat Model HJA65 GM1450-RM is a replacement actuator motor. It features a 2-pin female plug designed to connect to a deputy motor. Verification of technical data and plug type is crucial for successful replacement.



Image 1: Close-up view of the Richmat HJA65 GM1450-RM actuator motor label. The label displays model number HJA65 GM1450-RM Ver.B, item number H1095-A65-001, serial number SN65A250800002, stroke 183mm, max load 4000N, input 24V, 2A, 3A Max, duty cycle 10% (Max 2min ON/18min OFF), and IP20 rating. It also shows UL and CSA certification marks.



Image 2: The Richmat HJA65 GM1450-RM actuator motor showing its integrated cable ending in a 2-pin female plug. This plug is essential for connecting to the deputy motor in the lift chair system.

Specifications

Before installation, verify that these specifications match your existing motor to ensure compatibility.

Model	HJA65 GM1450-RM
Stroke	183mm / 7.20 inches
Minimum Install Size	330mm / 12.99 inches
Max. Load	4000N
Input Voltage	24V
Current	2A (3A Max)

Duty Cycle	10% (Max 2min ON / 18min OFF)
Protection Class	IP20
Material	Aluminum
Item Weight	4.2 pounds
Manufacturer	Richmat



Image 3: Diagram illustrating the key dimensions of the Richmat HJA65 GM1450-RM actuator motor. The stroke is indicated as 183mm (7.20 inches) and the minimum installation size as 330mm (12.99 inches). These measurements are critical for ensuring proper fit and function in your lift chair.

Compatibility

This actuator motor is specifically designed as a replacement for Richmat Model HJA65 GM1450-RM. It is compatible with MaxiComfort chairs that utilize this specific motor model.

- **Model Match:** Ensure your existing motor is Richmat Model HJA65 GM1450-RM.
- **Plug Type:** The replacement motor features a 2-pin female plug. Confirm that your chair's wiring requires this specific plug type for connection to the deputy motor. If the plug end is different, this motor will not be compatible.
- **Technical Data:** Verify that the stroke (183mm/7.20 inches) and minimum install size (330mm/12.99 inches) match your current motor. Variations in these dimensions, even with the same model number, will prevent proper replacement.

Note: There are several versions of the HJA65 motor model. Different versions may have varying pin configurations, stroke lengths, and installation sizes. It is crucial to match all specifications precisely for successful replacement.

Installation Guidelines

Installation of this actuator motor should be performed by individuals with appropriate technical knowledge. Always disconnect power to the lift chair before beginning any replacement procedures.

1. **Safety First:** Unplug the lift chair from the power outlet to prevent electrical shock.
2. **Access the Motor:** Carefully recline the chair or position it to gain access to the existing actuator motor. This may involve tilting the chair or removing fabric panels.
3. **Disconnect Wiring:** Locate the wiring connections to the old motor. Disconnect the 2-pin plug from the deputy motor and any other power connections.
4. **Remove Old Motor:** Unbolt or unfasten the old actuator motor from its mounting brackets on the chair frame. Note the orientation and mounting points for the new motor.
5. **Install New Motor:** Position the new Richmat HJA65 GM1450-RM motor in the same location and orientation as the old one. Secure it firmly using the appropriate bolts or fasteners. Ensure the minimum install size of 330mm is maintained.
6. **Connect Wiring:** Connect the 2-pin female plug of the new motor to the corresponding male plug of the deputy motor. Ensure all other power connections are securely reattached.
7. **Test Functionality:** Once the motor is securely installed and wired, carefully plug the lift chair back into the power outlet. Test the chair's recline and lift functions to ensure the new motor operates smoothly and correctly.
8. **Final Assembly:** Reattach any removed fabric panels or covers.

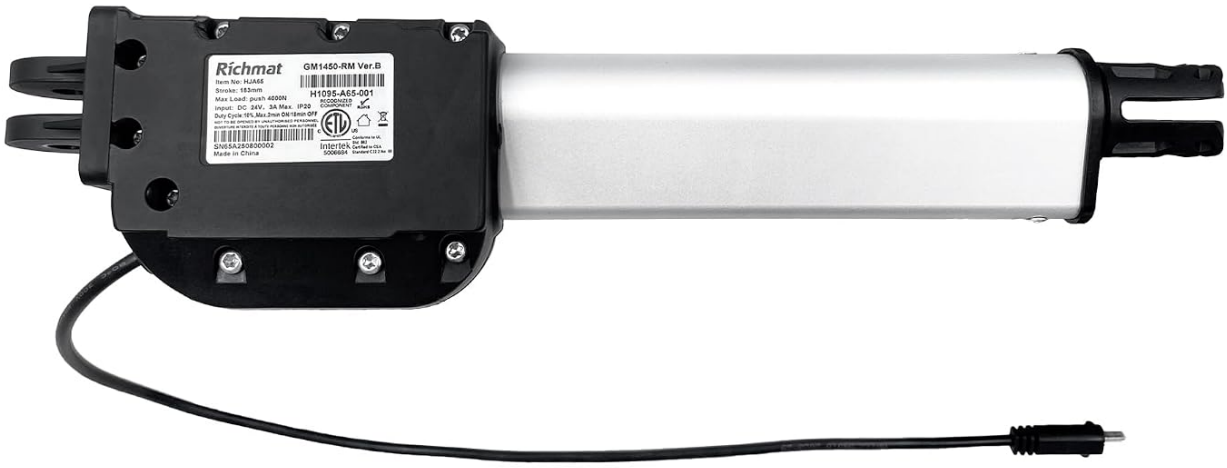


Image 4: A comprehensive view of the Richmat HJA65 GM1450-RM actuator motor, showcasing its full length and integrated cable. This image helps in understanding the overall structure and how it would fit into a lift chair mechanism.

Operation

Once the Richmat HJA65 GM1450-RM actuator motor is correctly installed, the operation of your lift chair will resume as normal. The motor responds to the chair's control unit to facilitate smooth lifting and reclining movements.

- Use the chair's standard remote control or integrated buttons to operate the lift and recline functions.
- Avoid exceeding the maximum load capacity of 4000N to prevent damage to the motor and chair mechanism.
- Adhere to the duty cycle of 10% (Max 2min ON / 18min OFF) to prevent overheating and extend the motor's lifespan. Continuous operation beyond this limit can lead to motor failure.

Maintenance

The Richmat HJA65 GM1450-RM actuator motor is designed for durability and requires minimal maintenance. However, periodic checks can help ensure its longevity and optimal performance.

- **Keep Clean:** Periodically inspect the motor and surrounding areas for dust, debris, or obstructions. Clean with a dry cloth.
- **Check Connections:** Ensure all electrical connections remain secure and free from corrosion.
- **Lubrication:** The motor is typically pre-lubricated. Avoid applying additional lubricants unless specifically recommended by the manufacturer, as this could attract dust.
- **Inspect for Damage:** Regularly check for any signs of physical damage to the motor housing, rod, or wiring.

Troubleshooting

If your lift chair is not functioning correctly after motor replacement, consider the following troubleshooting steps:

- **No Power:**
  - Ensure the chair is securely plugged into a working power outlet.
  - Check the circuit breaker or fuse for the outlet.
  - Verify all wiring connections to the motor and control unit are firm.
- **Motor Not Responding:**
  - Confirm the 2-pin female plug is correctly connected to the deputy motor.
  - Check the remote control or control buttons for damage or battery issues (if applicable).
  - Ensure the motor is not jammed by any obstructions in the chair mechanism.
- **Incomplete Movement or Grinding Noise:**
  - Verify that the stroke and minimum install size of the new motor precisely match the original. Incorrect dimensions can cause mechanical binding.
  - Check for any foreign objects obstructing the motor's movement or the chair's linkage.
  - Ensure the motor is securely mounted and not loose.
- **Overheating:**
  - If the motor feels excessively hot, it may be operating beyond its duty cycle. Allow it to cool down for at least 18 minutes before further use.
  - Reduce continuous operation to comply with the 10% duty cycle (Max 2min ON / 18min OFF).

If issues persist after troubleshooting, contact the seller or a qualified technician for assistance.

Additional Product Views



Image 5: Side view of the Richmat HJA65 GM1450-RM actuator motor, providing a perspective on its profile and mounting points.



Image 6: Top view of the Richmat HJA65 GM1450-RM actuator motor, showing the overall shape and how the rod extends.

Support

For further assistance, technical support, or warranty inquiries regarding your Uetmulik Richmat HJA65 GM1450-RM Actuator Motor, please contact the seller directly through the platform where the purchase was made. Provide your order details and a clear description of the issue for prompt support.
Manufacturer: Richmat
Brand: Uetmulik

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