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> MineCtrl RMT Linear Actuator R812301156333 User Manual

## MineCtrl R812301156333

# MineCtrl RMT Linear Actuator Model R812301156333 User Manual

Replacement Motor for Power Recliners and Lift Chairs

## 1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your MineCtrl RMT Linear Actuator Model R812301156333. This linear actuator is designed as a replacement motor for various power recliners and lift chairs, ensuring smooth and precise movement. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## 2. SAFETY INFORMATION

**WARNING: Exceeding the maximum load of 1000N (approximately 225 lbs or 102 kg) could result in serious injury or damage to the product. Always ensure a stable base for the chair during installation and operation.**

- Always disconnect power before performing any installation or maintenance.
- Ensure all connections are secure before restoring power.
- Keep hands and loose clothing clear of moving parts during operation.
- This product is intended for indoor use only.

## 3. PRODUCT OVERVIEW AND SPECIFICATIONS

The MineCtrl RMT Linear Actuator Model R812301156333 is engineered for durability and performance, providing reliable movement for your power recliner or lift chair. It features specific connection types for compatibility with various furniture brands.



Figure 1: MineCtrl RMT Linear Actuator Model R812301156333, showing the motor body and linear shaft.

### Key Specifications:

- **Model:** R812301156333
- **Stroke:** 333mm (13.11 inches)
- **Minimum Install Dimension:** 156mm (6.14 inches)
- **Speed:** 48mm/s
- **Max. Load:** 1000N (approximately 225 lbs)
- **Power Transformer Connection:** 2 Pin Flat Round
- **Hand Control Plug Connection:** 5 Pin
- **Material:** ABS and Aluminum
- **Net Weight:** Approximately 1.8kg (4.0 pounds)



Figure 2: Detailed view of the 2-pin flat round power transformer connection and 5-pin hand control plug connection.

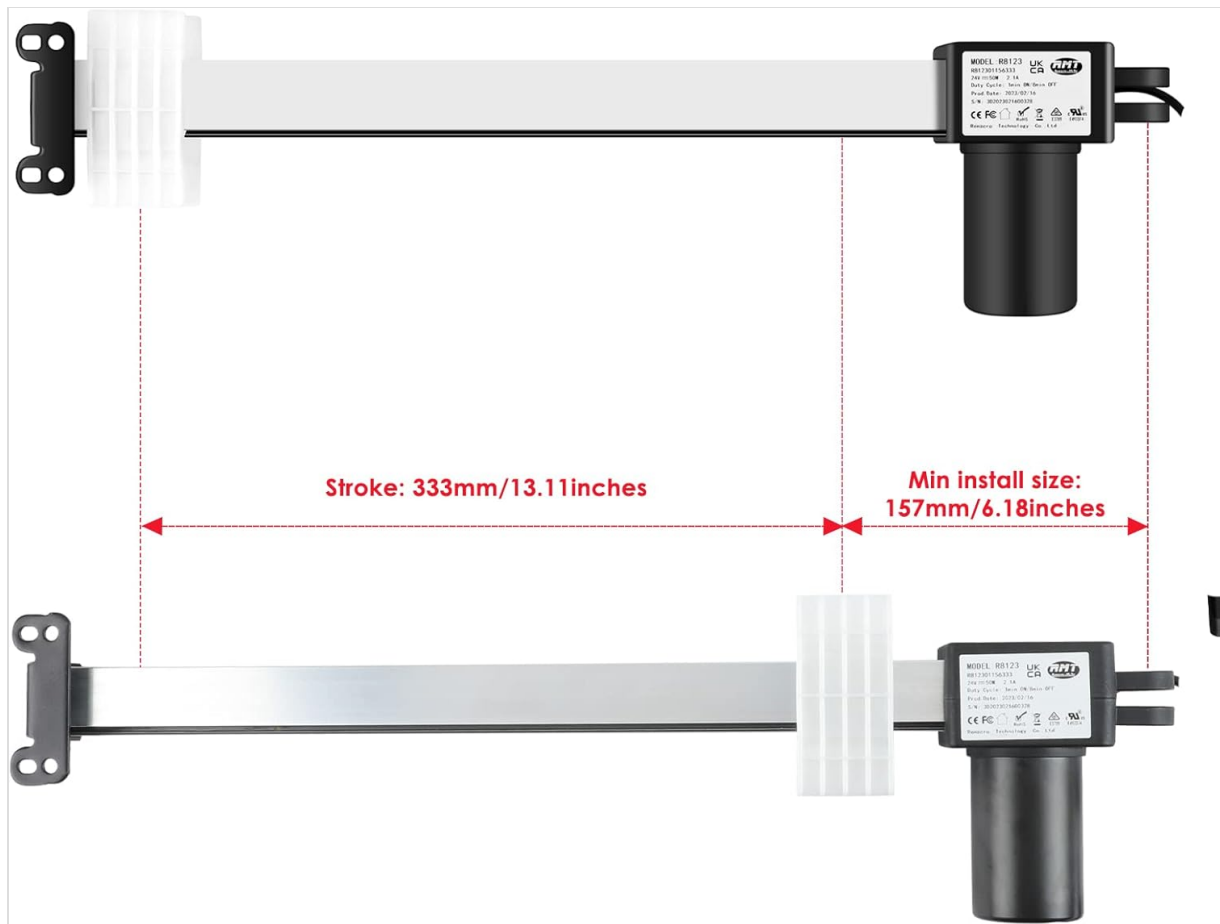


Figure 3: Dimensions of the linear actuator, highlighting stroke and minimum installation size.

## 4. INSTALLATION

Before beginning installation, ensure you have identified the correct replacement motor by verifying the model number (R812301156333) and connection types (2-pin flat round for power, 5-pin for hand control) against your existing motor. This motor is not compatible with other R8123 variations such as R8123C2040333, R8123D2040333, R812321156204, R812322039333, R8123203933, and R8123K2S40333.

### Installation Steps:

1. **Disconnect Power:** Unplug the recliner or lift chair from the power outlet.
2. **Access Motor:** Carefully turn the chair over or access the underside to expose the existing linear actuator.
3. **Remove Old Motor:**
  - Disconnect the 2-pin flat round power transformer connection and the 5-pin hand control plug connection from the old motor.
  - Remove any pins or bolts securing the old motor to the chair's frame.
  - Carefully extract the old motor.
4. **Install New Motor:**
  - Position the new MineCtrl RMT Linear Actuator Model R812301156333 into the mounting brackets on the chair frame.
  - Secure the motor using the appropriate pins or bolts. Ensure it is firmly attached.
  - Connect the 2-pin flat round power transformer to the motor.
  - Connect the 5-pin hand control plug to the motor. Ensure all cables are routed safely and will not be pinched by moving parts.
5. **Test Functionality:** Before fully reassembling the chair, plug it back into power and test the motor's

operation using the hand control. Verify that the footrest extends and retracts smoothly.

6. **Final Assembly:** Once confirmed operational, complete any remaining assembly of the chair.

*Note: If the motor does not align perfectly during installation, you can use the hand control to slightly extend or retract the shaft to match the mounting points before inserting the pins.*

## 5. OPERATION

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The MineCtrl RMT Linear Actuator operates in conjunction with your recliner's hand control. Simply press the appropriate buttons on your hand control to extend or retract the footrest and adjust the chair's position. The actuator is designed to provide smooth and precise movement.

- Ensure the chair is on a level surface before operation.
- Avoid placing excessive weight on the footrest when extended.
- Do not obstruct the movement of the actuator or chair mechanisms.

## 6. MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your linear actuator.

- **Cleaning:** Wipe clean the exterior of the actuator with a dry or slightly damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the motor and its connections for any signs of wear, damage, or loose wiring.
- **Lubrication:** The internal components of the linear actuator are factory-lubricated and generally do not require additional lubrication. If unusual noises or stiffness occur, consult a qualified technician.

## 7. TROUBLESHOOTING

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If your recliner or lift chair is not operating correctly after installing the new actuator, consider the following troubleshooting steps:

- **No Movement:**
  - Check if the chair is properly plugged into a working power outlet.
  - Verify that all electrical connections to the motor and hand control are secure.
  - Ensure the power supply unit is functioning correctly. You may need to test it with a multimeter if you suspect it's faulty.
- **Partial Movement or Jerky Operation:**
  - Inspect the motor and chair mechanism for any obstructions.
  - Ensure the motor is correctly mounted and not binding.
  - Check for any loose connections in the hand control or power supply.
- **Unusual Noises:**
  - Listen for the source of the noise. It could indicate a mechanical issue or an obstruction.
  - If the noise persists and affects operation, discontinue use and consult a technician.

*Before replacing any motor, always troubleshoot the switch/remote control and power supply to confirm the motor is the source of the issue.*

## 8. WARRANTY AND SUPPORT

For detailed warranty information and customer support regarding your MineCtrl RMT Linear Actuator Model R812301156333, please refer to the official MineCtrl website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.