

## KaiDi KDYJT006-20

# KaiDi KDYJT006-20 Power Lift Recliner Actuator Motor Replacement Instruction Manual

Model: KDYJT006-20

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your KaiDi KDYJT006-20 Power Lift Recliner Actuator Motor. Please read this manual thoroughly before installation and retain it for future reference.

## 2. SAFETY INFORMATION

- Always disconnect power to the recliner before attempting any installation, maintenance, or repair.
- Ensure all connections are secure and correctly oriented to prevent electrical hazards.
- Do not operate the actuator beyond its specified load capacity (Max Load 800N).
- Avoid operating the actuator continuously beyond its rated duty cycle (2 minutes ON, 18 minutes OFF, 10%).
- Use only the specified KD Power Supply.
- Keep hands and loose clothing clear of moving parts during operation.
- If you are unsure about any step, consult a qualified technician.

## 3. WHAT'S IN THE BOX

- 1 x KaiDi KDYJT006-20 Power Lift Recliner Actuator Motor

*Note: Power supply and remote control are typically sold separately or are part of the existing recliner system.*

## 4. SETUP AND INSTALLATION

**Important:** Before proceeding, ensure the recliner is unplugged from the power outlet.

1. **Identify the Old Actuator:** Locate the existing actuator motor under your recliner. Note how it is

mounted and connected.

2. **Disconnect Power and Remote:** Carefully disconnect the 2-pin round power connector and the 5-pin remote port connector from the old actuator.
3. **Remove Old Actuator:** Unbolt or unclip the old actuator from its mounting points on the recliner frame. Keep any mounting hardware.
4. **Compare Actuators:** Compare the new KaiDi KDYJT006-20 actuator with the old one. Verify that the stroke length (266mm) and mounting points are compatible.
5. **Install New Actuator:** Mount the new actuator into the recliner frame using the original hardware or suitable replacements. Ensure it is securely fastened.
6. **Connect Power and Remote:**
  - Connect the **2-pin round power connector** from your power supply to the corresponding port on the new actuator.
  - Connect the **5-pin remote port connector** from your hand control to the corresponding port on the new actuator.
7. **Cable Management:** Route all cables safely to prevent pinching or damage during recliner operation.



Figure 1: KaiDi KDYJT006-20 Actuator Motor with its power and remote connectors. This image shows the overall appearance of the actuator and its wiring.



Figure 2: Close-up view of the product label on the KaiDi KDYJT006-20 actuator, displaying model number, specifications, and safety warnings. Verify these details match your requirements.



Figure 3: Detailed view of the 5-pin remote control connector and the 2-pin round power connector. Ensure these match your existing recliner's connections.

## 5. OPERATING INSTRUCTIONS

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1. **Power On:** Once the actuator is securely installed and all connections are made, plug the recliner's power cord into a wall outlet.
2. **Test Operation:** Use the recliner's hand control to slowly extend and retract the actuator. Observe for smooth movement and listen for any unusual noises.
3. **Full Range of Motion:** Test the recliner through its full range of motion to ensure the actuator operates correctly and does not bind or interfere with any parts of the recliner mechanism.
4. **Duty Cycle:** Remember the duty cycle of 2 minutes ON and 18 minutes OFF. Avoid continuous operation to prevent overheating and damage.

## 6. MAINTENANCE

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- **Regular Inspection:** Periodically inspect the actuator and its mounting points for any signs of wear, damage, or loose connections.
- **Cleaning:** Keep the actuator free from dust and debris. Wipe with a dry cloth. Do not use liquid cleaners directly on the motor or electrical components.
- **Lubrication:** The actuator is generally maintenance-free regarding internal lubrication. Do not attempt to lubricate internal components unless specifically instructed by the manufacturer.
- **Cable Check:** Ensure all cables are intact and not frayed or pinched.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Actuator does not move.	No power to the recliner. Loose or incorrect power connection. Faulty hand control. Actuator motor failure.	Check if the recliner is plugged in and the outlet has power. Verify the 2-pin power connector is securely attached. Test with a known working hand control if available. Contact customer support if motor failure is suspected.
Actuator moves slowly or with difficulty.	Overload on the recliner. Binding in the recliner mechanism. Low voltage from power supply.	Reduce weight on the recliner. Inspect the recliner mechanism for obstructions or damage. Ensure the power supply is providing adequate voltage (29V DC).
Unusual noises during operation.	Loose mounting hardware. Internal actuator issue. Interference with recliner frame.	Check and tighten all mounting bolts. Inspect for any parts rubbing against the actuator. If noise persists, discontinue use and contact support.

## 8. SPECIFICATIONS


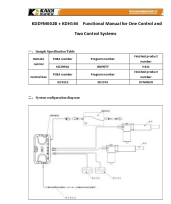
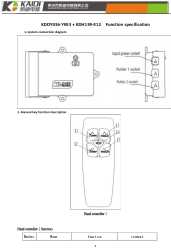
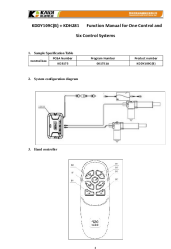

Feature	Detail
Model	KDYJT006-20
Stroke Length	266mm
Speed	36mm/s
Max Load	800N
Rated Input Voltage	DC 29V
Power Connection	2-pin round connector
Remote Connection	5-pin port connector
Duty Cycle	2 minutes ON, 18 minutes OFF (10%)
Manufacturer	Kaidi

## 9. WARRANTY AND SUPPORT

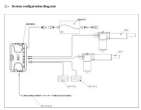
For warranty information or technical support, please refer to the documentation provided with your original recliner or contact the retailer from whom you purchased this replacement actuator. Ensure you have your model number (KDYJT006-20) and purchase details available when contacting support.

For further assistance, you may visit the KaiDi Store on Amazon:[KaiDi Store](#)

## Related Documents - KDYJT006-20

	<p><a href="#">KAI DI KDDYM002A+ KDHM003A+ Function Specification</a></p> <p>This document details the function specification for KAI DI KDDYM002A+ and KDHM003A+ control systems, including system connection diagrams, hand controller functions, pairing and unpairing methods, and important operational notes.</p>
	<p><a href="#">KDDYM002B + KDH144 Functional Manual: Electric Bed Control System</a></p> <p>This functional manual provides detailed instructions for the KAI DI KDDYM002B and KDH144 control systems, covering specifications, system configuration, hand controller functions, pairing, clearing, factory resets, and precautions for electric bed applications.</p>
	<p><a href="#">KDDY036-Y003 + KDH139-012 Function Specification</a></p> <p>Function specification and operating instructions for the KDDY036-Y003 + KDH139-012 control box system, detailing connection diagrams, manual key functions, pairing methods, and important safety considerations.</p>
	<p><a href="#">KDDY109C(B) + KDH281 Function Manual for One Control and Six Control Systems</a></p> <p>This manual provides detailed instructions for the KDDY109C(B) control box and KDH281 hand controller, covering system configuration, hand controller functions, pairing, factory resets, and precautions for use with electric beds.</p>
	<p><a href="#">KAI DI KDDYM002A+ KDHM003A+ Function Specification</a></p> <p>This document details the function specification for KAI DI KDDYM002A+ and KDHM003A+ control systems, including system connection diagrams, hand controller functions, pairing and unpairing methods, and important operational notes.</p>

Model	Hand Controller	Hand Controller	Hand Controller
KDDYM002B	KDH144	KDH144	KDH144
KDDYM002B	KDH144	KDH144	KDH144
KDDYM002B	KDH144	KDH144	KDH144



## [KDDYM002B + KDH144 Functional Manual: Electric Bed Control System](#)

This functional manual provides detailed instructions for the KAIDI KDDYM002B and KDH144 control systems, covering specifications, system configuration, hand controller functions, pairing, clearing, factory resets, and precautions for electric bed applications.