

FR KDYJT018-51

FR Kaidi KD Replacement Motor KDYJT018-51 Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your FR Kaidi KD Replacement Motor, model KDYJT018-51. This motor is designed for use in lift chairs and electric recliners. Please read this manual thoroughly before attempting any installation or operation.

IMPORTANT SAFETY INFORMATION

- **Disconnect Power:** Always unplug the lift chair or recliner from the power outlet before attempting any installation, maintenance, or repair.
- **Qualified Personnel:** Installation and repair should only be performed by individuals familiar with electrical components and furniture mechanisms. If unsure, consult a professional.
- **Inspect Components:** Before installation, carefully inspect the motor and all associated cables for any signs of damage. Do not install damaged components.
- **Correct Voltage:** Ensure the power supply matches the motor's specifications (DC 29V).
- **Cable Management:** Route all cables carefully to prevent pinching, fraying, or entanglement with moving parts.
- **Children and Pets:** Keep children and pets away from the chair during installation and operation to prevent injury.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x FR Kaidi KD Replacement Motor (KDYJT018-51)
- 1 x Attached Power Cable with Connector

SETUP AND INSTALLATION

This section outlines the general steps for replacing a lift chair or recliner motor. Specific procedures may vary depending on your furniture model.

Step 1: Preparation

- Unplug the chair from the wall outlet.
- Position the chair to allow easy access to the motor and mechanism, often by tilting it onto its front or side.
- Identify the existing motor and its connections.

Step 2: Removal of Old Motor

- Carefully disconnect all electrical connections from the old motor (e.g., hand control, power supply).
- Locate and remove the pins or bolts securing the old motor to the chair frame and the reclining mechanism. Keep these fasteners for reuse if they are in good condition.
- Gently remove the old motor from the chair.

Step 3: Installation of New Motor

- Align the new KDYJT018-51 motor with the mounting points on the chair frame and the reclining mechanism.
- Insert the pins or bolts to secure the motor. Ensure they are fully seated and secured with retaining clips or nuts.
- Connect the power cable from the new motor to the chair's power supply and hand control. Ensure all connections are firm and correct.



Image 1: The FR Kaidi KD Replacement Motor KDYJT018-51, showing its full length and connection points. This motor is designed for lift chairs and electric recliners.

Step 4: Testing

- Before fully reassembling the chair, plug it back into the wall outlet.
- Use the hand control to test the motor's functionality. Ensure the chair reclines and lifts smoothly without any unusual noises or binding.
- Once confirmed operational, unplug the chair again and secure any loose cables or covers.

OPERATING INSTRUCTIONS

The FR Kaidi KD Replacement Motor KDYJT018-51 operates in conjunction with your lift chair or recliner's existing hand control. Simply use the buttons on your hand control to extend or retract the footrest and recline or lift the chair. Ensure the chair is placed on a level surface and there are no obstructions in its path of movement.

MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your motor.

- **Regular Inspection:** Periodically inspect the motor and its connections for any signs of wear, damage, or loose fasteners.
- **Cleaning:** Keep the motor free from dust and debris. Use a dry cloth to wipe down the exterior. Do not use liquid cleaners directly on the motor.
- **Lubrication:** The motor itself is generally maintenance-free. However, the chair's reclining mechanism may require periodic lubrication as per the chair manufacturer's instructions.
- **Cable Check:** Ensure all cables are securely routed and not pinched or frayed.

TROUBLESHOOTING

If you encounter issues with your motor, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Motor does not respond	No power to the chair; Loose electrical connection; Faulty hand control; Motor failure	Check power outlet and chair's power cord; Verify all connections are secure; Test with a known good hand control (if available); Contact customer support if motor is suspected faulty.
Motor makes grinding noise	Obstruction in mechanism; Motor or mechanism wear	Inspect for obstructions and remove; Lubricate chair mechanism if needed; If noise persists, motor may need replacement.
Chair moves slowly or intermittently	Low voltage; Overload; Worn motor	Ensure proper power supply; Do not exceed chair's weight capacity; Motor may be nearing end of life.

SPECIFICATIONS

The following are the technical specifications for the FR Kaidi KD Replacement Motor KDYJT018-51:

- **Model:** KDYJT018-51
- **Max Load:** 800N
- **Stroke:** 335 mm
- **Speed:** 48mm/s
- **Rating Voltage:** DC 29V
- **Power:** 75W (or 76W as per label)

- **Duty Cycle:** 10% Max 2min ON / 18min OFF
- **Item Weight:** Approximately 6 pounds
- **Product Dimensions:** Approximately 21 x 3 x 6 inches



Image 2: Close-up view of the FR Kaidi KD Replacement Motor KDYJT018-51 label, displaying detailed specifications such as model number, max load, stroke, speed, voltage, and power.

WARRANTY AND SUPPORT

For warranty information or technical support regarding your FR Kaidi KD Replacement Motor KDYJT018-51, please refer to the retailer or manufacturer's official website, or contact their customer service

department directly. Keep your purchase receipt as proof of purchase.