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Okin JLDQ.14.B.301.153F03

Okin Refined-R Motor Instruction Manual

Model: JLDQ.14.B.301.153F03

Brand: Okin

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the Okin Refined-R Motor, Model JLDQ.14.B.301.153F03. This electric actuator is designed as a replacement part for adjustable bed frames, ensuring proper functionality and compatibility with various Okin JLDQ.14.B series motors.



Figure 1: The Okin Refined-R Motor JLDQ.14.B.301.153F03, showing its main body, connecting cable, and mounting points. This is the primary component for adjusting bed positions.

TECHNICAL SPECIFICATIONS

Understanding the specifications of your Okin Refined-R Motor is crucial for proper installation and operation.

Feature	Value
Model Number	JLDQ.14.B.301.153F03
Appearance	Black (PA), Silver White (Aluminum)
Stroke	153 mm
Minimum Dimensions (Shrink)	301 mm
Maximum Dimension	454 mm
Load (Push Force)	3000 N
Load (Pull Force)	0 N
Operation Frequency	On 1 min / Off 8 min
Item Weight	4.4 pounds
Package Dimensions	13.8 x 5.9 x 3.9 inches



Figure 2: A close-up view of the motor's identification label, clearly indicating the model number JLDQ.14.B.301.153F03 and other technical data such as voltage and duty cycle. This label is essential for verifying the correct replacement part.

Product Features

- **Made of:**
1 motor and 1 connector
- **Appearance:**
black(PA), silver white
(aluminum)
- **Stroke:** 333 mm
- **Minimum install dimension:**
157 mm
- **Maximum install dimension:**
490 mm



Figure 3: A graphic illustrating key product features including material composition (1 motor and 1 connector), appearance (black PA, silver white aluminum), stroke (153 mm), minimum install dimension (301 mm), and maximum install dimension (454 mm). An adjustable bed frame is shown in the background to demonstrate the motor's application.

INSTALLATION GUIDE

Proper installation ensures the safe and effective operation of your Okin Refined-R Motor.

Compatibility Check:

- This motor is specifically designed to replace Okin model JLDQ.14.B.301.153F03.
- It is also compatible with JLDQ.14.B.301.153F04, F08, F09, F10, F12, and F13 models, with minor differences that do not affect functionality.
- Before installation, verify your existing motor's brand and model number to ensure compatibility.
- Ensure your bed frame's minimum installation dimension, stroke, and plug type match the requirements of this actuator.

Installation Steps:

1. **Disconnect Power:** Always begin by disconnecting the adjustable bed frame from the main power supply to prevent electrical hazards.
2. **Remove Old Motor:** Carefully unmount and disconnect the old actuator motor. Pay attention to how

it was connected and oriented within the bed frame.

3. **Connect New Motor:** Connect the new Okin JLDQ.14.B.301.153F03 motor. The motor set includes one motor and one connector specifically designed for the control box of the electric adjustable bed. Ensure the connector is firmly seated.
4. **Mount Motor:** Securely mount the new motor in the designated position on your bed frame. Ensure all mounting points are fastened correctly.
5. **Test Functionality:** Reconnect the bed frame to the power supply. Test all functions of the adjustable bed (head up/down, foot up/down) to ensure the motor operates smoothly and correctly.

For control box of electric adjustable bed

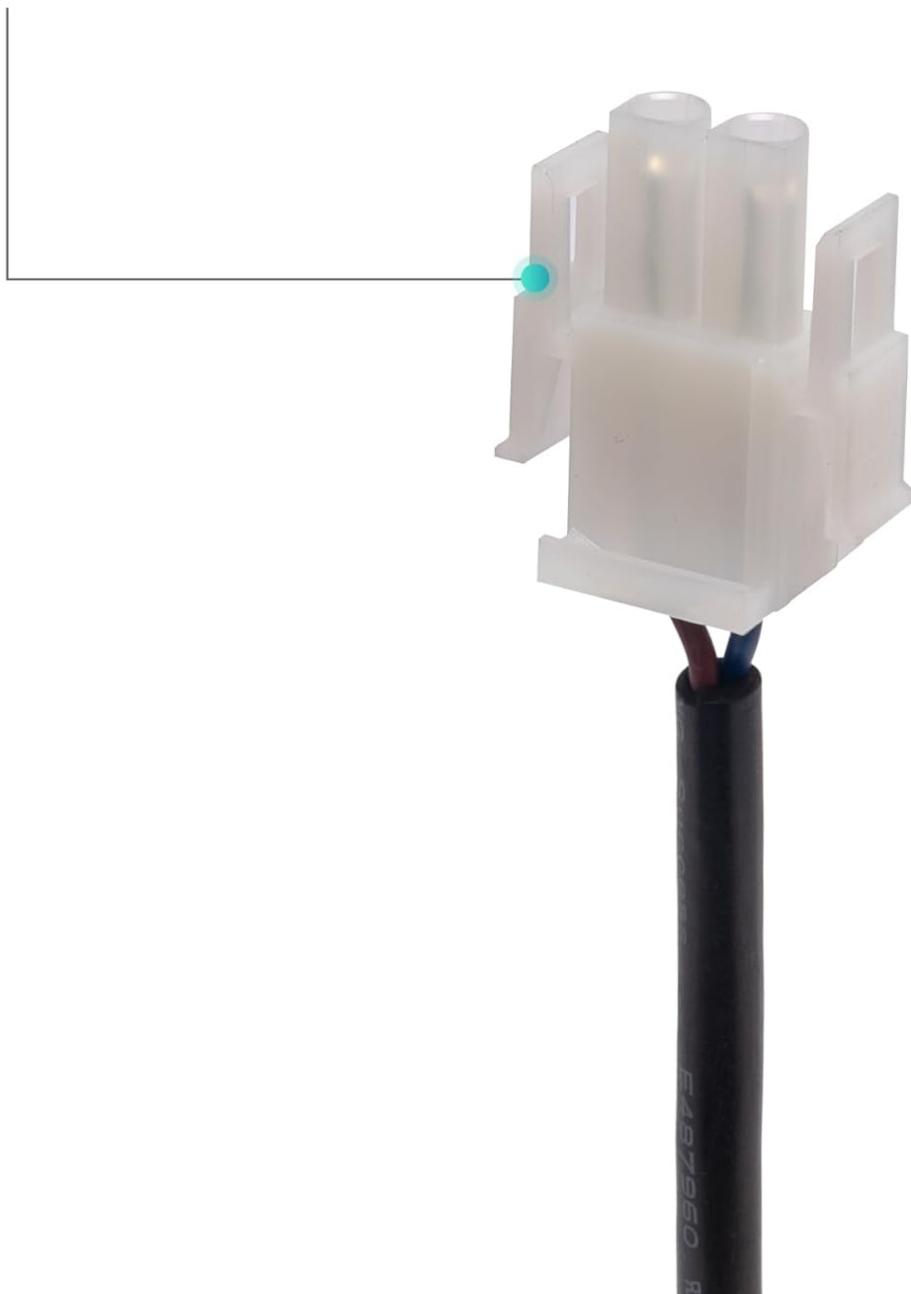


Figure 4: A detailed view of the motor's connector, which is designed to plug into the control box of an electric adjustable bed. This ensures proper electrical connection and communication for motor operation.

OPERATION

The Okin Refined-R Motor functions as the primary actuator for your adjustable bed frame, enabling smooth and controlled movement of the bed sections. Once installed and connected to the bed's control box, the motor responds to commands from your bed's remote control or integrated panel.

Key Operational Aspects:

- **Movement:** The motor provides the necessary push and pull force to adjust the bed's head and foot sections, allowing for various comfort positions.
- **Duty Cycle:** This motor is designed for intermittent operation. Its specified duty cycle is "On 1 min / Off 8 min." This means the motor can operate continuously for up to 1 minute, after which it requires an 8-minute rest period to prevent overheating and ensure longevity. Avoid continuous operation beyond this specified duty cycle.
- **Safety:** The motor operates on a 24-29V DC circuit, which is classified as a Class 2 circuit, indicating a low voltage and reduced risk of electrical shock.

MAINTENANCE

Regular maintenance is crucial for extending the lifespan and ensuring the reliable operation of your Okin Refined-R Motor.

- **Cleaning:** Keep the motor and surrounding areas free from dust, lint, and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners directly on the motor or its electrical components.
- **Inspection:** Periodically inspect the motor, its connecting cables, and the plug for any signs of wear, fraying, damage, or loose connections. Address any issues promptly.
- **Lubrication:** The motor is factory-lubricated and generally does not require additional lubrication during its service life. If you notice unusual noises or stiffness in operation, consult a qualified technician. Do not attempt to lubricate internal components yourself.
- **Environmental Conditions:** Ensure the motor is used in a dry environment. It is intended for indoor use only and should not be exposed to moisture or extreme temperatures.

TROUBLESHOOTING

If you experience issues with your adjustable bed after installing the Okin Refined-R Motor, consider the following troubleshooting steps before seeking professional assistance:

- **No Movement or Power:**
 - **Check Power Supply:** Ensure the bed frame is properly plugged into a working electrical outlet. Test the outlet with another device.
 - **Check Switch:** Verify that any power switches on the bed frame, power strip, or remote control are in the "on" position.
 - **Check Connections:** Confirm that the motor's connector is securely plugged into the control box. A loose connection can prevent operation.
- **Intermittent Operation:**
 - **Duty Cycle:** If the motor has been operated continuously for more than 1 minute, it may have entered its rest period. Allow the motor to cool down for at least 8 minutes before attempting further operation.
- **Unusual Noises:**
 - **Obstructions:** Check for any physical obstructions preventing the bed's movement or interfering with the motor's operation.
 - **Mounting:** Ensure the motor is securely mounted and not loose. Loose mounting can cause

vibrations and noise.

- **Compatibility Issues:**

- **Model Verification:** Double-check that the motor model (JLDQ.14.B.301.153F03 or compatible variants) matches your bed's requirements as specified in the "Installation Guide" section.

SUPPORT AND CONTACT INFORMATION

For further assistance, technical support, or inquiries regarding your Okin Refined-R Motor, please contact Okin customer service. We are committed to providing support before and after your purchase.

For more information about Okin products and to explore our full range of offerings, please visit the official Okin Store on Amazon:

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