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› BEAMNOVA 4.6 FT Bed Lift Mechanism Instruction Manual

BEAMNOVA WJ0B01M640-0FBA

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Model: WJ0B01M640-0FBA

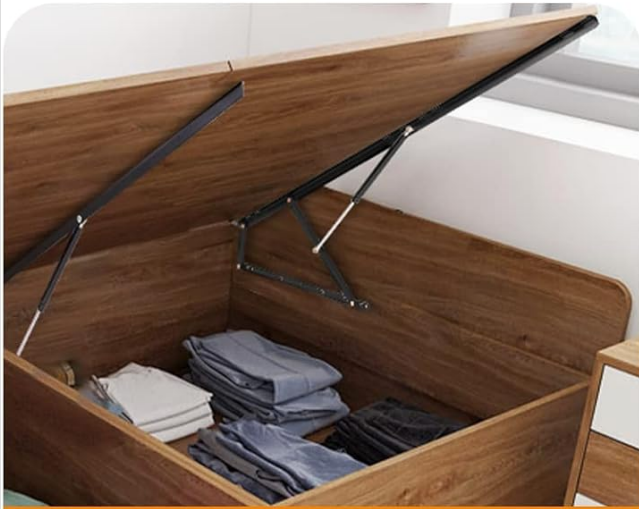
1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BEAMNOVA 4.6 FT Bed Lift Mechanism. This product is designed to convert your bed into a storage solution, providing easy access to under-bed space. Please read these instructions carefully before beginning installation or operation to ensure proper function and safety.

The BEAMNOVA 4.6 FT Bed Lift Mechanism is constructed from heavy-duty steel, offering robust support and durability. It is designed for beds with a combined mattress and bed board weight between 176-264 lbs (80-120 kg). Beds outside this weight range are not compatible and may result in improper operation or damage.

Widely Used

• • •



Locker



Storage Bed



Tatami Bed



Sofa Bed

Figure 1: Various applications of the BEAMNOVA Bed Lift Mechanism.

2. SAFETY INFORMATION

- **Weight Compatibility:** This lift mechanism is designed for a combined mattress and bed board weight of 176-264 lbs (80-120 kg). Using it with weights outside this range can lead to malfunction, jamming, or bending of the mechanism.
- **Professional Installation Recommended:** If you are not experienced with DIY projects, consider seeking professional assistance for installation.
- **Secure Fastening:** Ensure all bolts and nuts are securely tightened during installation. Loose connections can compromise stability and safety.
- **Even Pressure:** When lowering the bed, always apply even pressure with both hands near the corners of the footboard. Applying pressure only in the center may cause uneven force and make it difficult to lower, potentially leading to jamming.
- **Clear Area:** Keep the area around the bed clear during operation to prevent obstructions or injury.
- **Children and Pets:** Keep children and pets away from the bed lift mechanism during operation to prevent

accidents.



Figure 2: Weight compatibility chart for the bed lift mechanism.

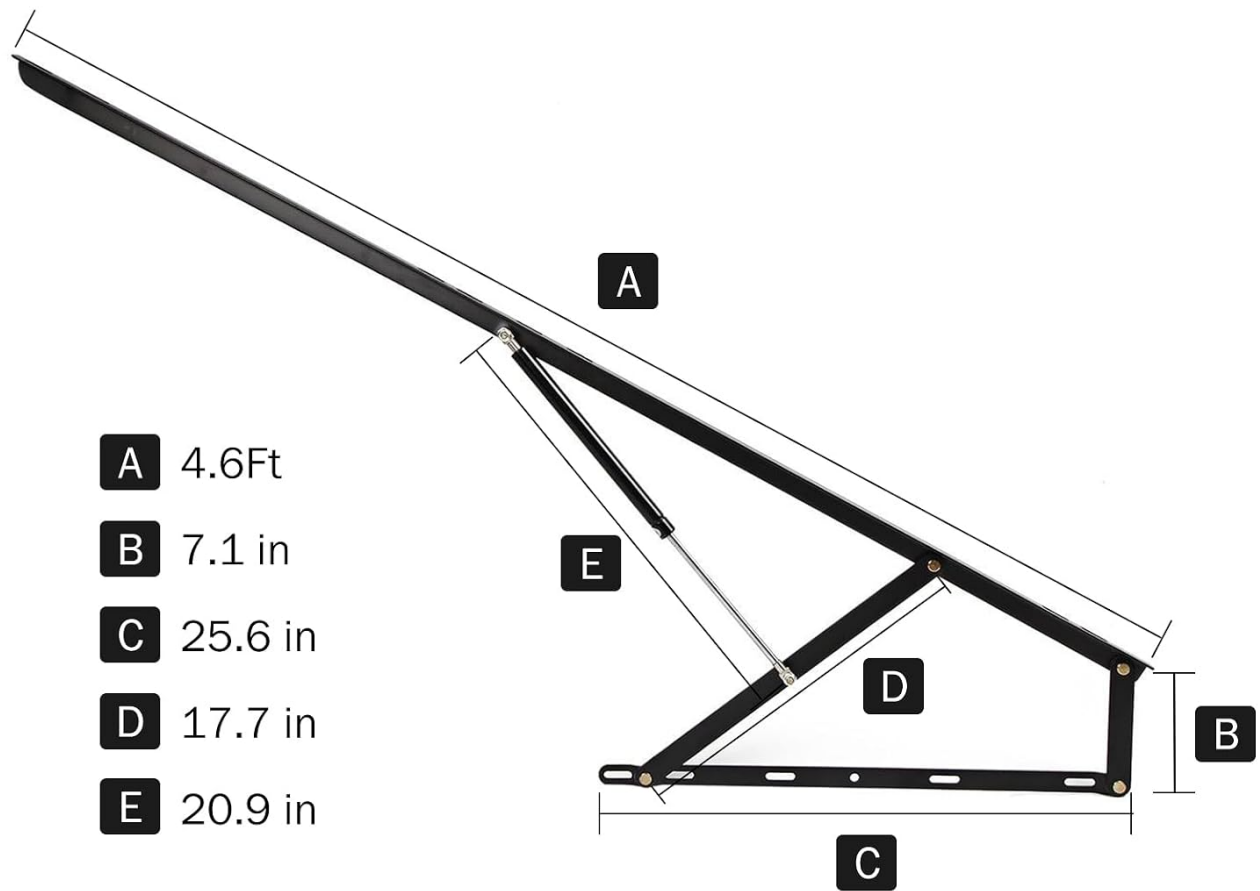
3. SETUP AND INSTALLATION

Improper installation may cause the lift mechanism to jam or fail. Please follow these instructions carefully, referring to the provided diagrams and videos.

3.1. Pre-Installation Checks

- Verify your bed frame is sturdy and capable of supporting the mechanism and mattress weight.
- Ensure the combined weight of your mattress and bed board falls within the 176-264 lbs range.
- Confirm your bed is longer than 5 feet (1.5 meters) for proper operation.
- Gather all included components: a pair of brackets, a pair of pneumatic poles (gas springs), and mounting screws. Additional lag bolts/screws and washers may be needed depending on your bed frame.

SIZE DETAIL



Can be oriented to open from the side of the bed, or the end of the bed.

Figure 3: Size details and dimensions of the bed lift mechanism.

3.2. Installation Steps

1. **Positioning the Mechanism:** The mechanism can be installed at the side or end of the bed (not the center). Determine your preferred opening direction.
2. **Mounting the Brackets:** Extend the mechanism so that the top rail (which will mount to your bed board/bunkie) and the bottom rail (which mounts to your bed frame) are parallel. Mount the bottom rail to your bed frame in a location that provides the desired height for storage. Ensure both rails are parallel to the ground and square with each other for a flat bed surface.
3. **Attaching the Bed Board:** Once the brackets are securely mounted to the bed frame, attach your bed board or bunkie to the top rails of the mechanism. Drill holes on the bed plate with an electric drill and install screws and nuts to secure it.
4. **Installing Gas Springs:** Lift the bed board/bunkie up, extending the hinges. Then, carefully attach the gas springs (pneumatic poles) in place. The gas springs are designed to be stiff; this is normal and required for proper function. Install the hydraulic rod with the thin end down, and tighten the screws.
5. **Final Weight Application:** After installing the gas springs, place your mattress on top of the bed board. The weight of the mattress will help offset the stiffness of the gas springs, allowing the mechanism to move properly.



Multi-layer Metal Painting Process

Not easy to peel off or rust

Thickened Bracket

Thick steel plate, strong & durable, of large loading capacity



Figure 4: Components of the bed lift mechanism.

3.3. Installation Videos

For a visual guide, please refer to the following official installation videos:

Your browser does not support the video tag.

Video 1: How to install BEAMNOVA 5 FT Bed Lift Mechanism Gas Spring Set Heavy Duty for Storage Box Bed. This video demonstrates the installation process for a similar BEAMNOVA bed lift mechanism.

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Video 2: BEAMNOVA 5 FT Bed Lift Mechanism Black Gas Spring Set Heavy Duty for Storage Box Bed Sofa Storage. This video provides another perspective on installing the bed lift mechanism.

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Video 3: BEAMNOVA Bed Lift Mechanism Heavy Duty Gas Spring Set for Storage Bed Sofa Box. A third video resource for installation guidance.

4. OPERATION

4.1. Lifting the Bed

To lift the bed, apply a firm, upward pull. The gas springs will assist in lifting the bed board and mattress once initial resistance is overcome. It may require effort from two people, especially with heavier mattresses, to initiate the lift. Once lifted, the mechanism is designed to hold the bed in the raised position.

4.2. Lowering the Bed

To lower the bed, apply even downward pressure with both hands near the corners of the footboard. Avoid pressing only in the center, as this can cause uneven force and make it difficult to lower the bed smoothly. The gas springs will provide resistance, ensuring a controlled descent.



Figure 5: Correct operation method for lowering the bed.

5. MAINTENANCE

- **Cleaning:** Wipe the metal components with a dry cloth to remove dust and debris. Avoid using harsh chemicals that could damage the painted finish.
- **Inspection:** Periodically inspect all mounting points and connections to ensure they remain tight and secure.

Re-tighten any loose screws or bolts.

- **Gas Spring Check:** Check the gas springs for any signs of oil leakage or damage. The gas springs feature a precise oil seal to prevent leakage.
- **Lubrication:** No regular lubrication is typically required for the gas springs or pivot points, as they are designed for smooth operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Mechanism jams or fails to lift/lower smoothly.	Improper installation; uneven force during operation; weight incompatibility.	Review installation steps, ensuring all components are correctly aligned and secured. Always apply even pressure when operating. Verify mattress and bed board weight is within 176-264 lbs.
Bed is difficult to lower or stays in the raised position.	Gas springs are too stiff for the current load; insufficient weight on the bed.	Ensure the combined weight of the mattress and bed board is within the specified 176-264 lbs range. The gas springs require sufficient weight to compress and operate correctly.
Gas spring appears seized or does not function.	Manufacturing defect; damage during transport or installation.	If a gas spring is not suitable for weight-bearing or shows signs of leakage, it may need replacement. The design allows for easy replacement by unscrewing two screws without removing the entire bracket. Contact customer support for assistance.
Hydraulics do not align when fully down.	Incorrect initial alignment during installation.	Ensure the top rail (for the bed board) and the bottom rail (for the frame) are parallel when the mechanism is in the fully lowered position. Adjust mounting points as necessary.

7. SPECIFICATIONS

Feature	Detail
Model Number	WJ0B01M640-0FBA
Brand	BEAMNOVA
Material	Heavy-duty Steel
Color	Black
Product Dimensions (L x W x H)	59.84" x 6.1" x 1.97" (4.6 FT length)
Maximum Weight Recommendation	176-264 lbs (combined mattress and bed board)
Compatible Mattress Sizes	Twin, Full, Queen, King (for beds longer than 5 feet)

Feature	Detail
Form Factor	Pair of end-lift mechanisms, 4.6 ft length, side/end opening
Special Feature	Foldable, Hydraulic Bed Lifting Set, Gas Spring
Included Components	Storage Box (referring to the kit for creating a storage box bed)
Care Instructions	Wipe with Dry Cloth

8. WARRANTY AND SUPPORT

For any questions, concerns, or issues regarding your BEAMNOVA 4.6 FT Bed Lift Mechanism, please contact BEAMNOVA customer support. While specific warranty details are not provided in this manual, BEAMNOVA is committed to customer satisfaction. Please retain your proof of purchase for any warranty claims or support inquiries.

You can typically find contact information on the BEAMNOVA official website or through the retailer where you purchased the product.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

