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AlveyTech D25-4256



AlveyTech Hi/Low Drive Shaft for Drive Medical Hospital Bed

INSTRUCTION MANUAL

Model: D25-4256

1. Product Overview

The AlveyTech Hi/Low Drive Shaft (Model 15005S / D25-4256) is a critical replacement component designed for Drive Medical hospital beds. Its primary function is to efficiently transfer the rotational motion from either a hand crank or an electric motor to the bed's transition box, enabling the smooth raising and lowering of the bed for user comfort and care.



This image displays the AlveyTech Hi/Low Drive Shaft, a crucial component for Drive Medical hospital beds. The shaft is long and rectangular, with a series of numbered holes along its length, indicating its precise design for transferring motion.

2. Important Safety Guidelines

Adhering to these safety guidelines is crucial for safe installation and operation:

- Always ensure compatibility with your existing bed before installation. Refer to the compatibility section.
- Be cautious of sharp edges during handling and installation to prevent injury.
- Keep fingers and other body parts clear of moving parts during operation and testing.
- Disconnect power to the bed before beginning any installation or maintenance procedures.
- If you are unsure about any step, consult a qualified technician or the bed manufacturer's manual.

3. Compatibility

This Hi/Low Drive Shaft is specifically designed for compatibility with the following Drive Medical hospital bed models:

- Drive Medical Full Electric Bed (Model 15005)
- Drive Medical Full Electric Low Height Bed (Model 15005L)

This part is a direct replacement for Drive Medical compatible part number: 15005S.

4. Installation Guide

Replacing the Hi/Low Drive Shaft requires careful attention to detail. If you are not comfortable performing this installation, it is recommended to seek professional assistance.

1. **Preparation:** Ensure the hospital bed is unplugged from its power source. Position the bed in a way that allows safe and easy access to the existing drive shaft mechanism, typically underneath the bed frame.
2. **Locate Existing Shaft:** Identify the current Hi/Low drive shaft. It connects the motor/hand crank mechanism to the bed's lifting components.
3. **Removal:** Carefully detach the existing drive shaft. This may involve removing pins, bolts, or clips that secure it in place. Note the orientation and connection points for reassembly.
4. **Installation of New Shaft:** Align the new AlveyTech Hi/Low Drive Shaft with the connection points. Insert and secure any pins, bolts, or clips removed during the old shaft's removal. Ensure all connections are firm and properly seated.
5. **Testing:** Once the new shaft is securely installed, carefully reconnect the bed to its power source. Test the bed's raising and lowering functions using both the hand crank (if applicable) and the electric motor controls. Observe for smooth operation, unusual noises, or any resistance. If issues arise, disconnect power and re-inspect the installation.

5. Operation

The AlveyTech Hi/Low Drive Shaft facilitates the vertical movement of the hospital bed. Once installed, its operation is integrated with the bed's existing control system:

- **Electric Operation:** When the bed's electric controls are activated to raise or lower the bed, the motor engages the drive shaft, which then transfers the necessary rotation to the bed's lifting mechanism.
- **Hand Crank Operation:** For models equipped with a hand crank, manual rotation of the crank directly engages the drive shaft, allowing for manual adjustment of the bed's height.

Ensure the bed is clear of obstructions before operating the Hi/Low function.

6. Maintenance and Care

To ensure the longevity and optimal performance of your AlveyTech Hi/Low Drive Shaft, consider the following

maintenance tips:

- **Regular Inspection:** Periodically inspect the drive shaft and its connection points for any signs of wear, damage, or corrosion. Check for loose fasteners.
- **Cleaning:** Keep the area around the drive shaft clean and free from dust, debris, or foreign objects that could impede its movement. Use a dry cloth for cleaning.
- **Lubrication:** The drive shaft is generally designed for low maintenance. Consult your specific hospital bed's manual regarding lubrication requirements for its moving parts. Avoid over-lubrication, which can attract dirt.
- **Avoid Overloading:** Do not exceed the weight capacity of the hospital bed, as this can put undue stress on the drive shaft and other components.

7. Troubleshooting Common Issues

If you encounter problems with your bed's Hi/Low function after installing the drive shaft, consider these common troubleshooting steps:

Problem	Possible Cause	Solution
Bed does not raise or lower	Shaft not properly connected or aligned.	Disconnect power, re-inspect all connection points for the drive shaft. Ensure it is fully seated and secured.
Unusual noises (grinding, squeaking) during operation	Lack of lubrication, wear on components, or obstruction.	Disconnect power. Inspect the shaft and surrounding mechanisms for obstructions or signs of wear. Consult bed manual for lubrication points.
Bed moves unevenly	Shaft bent or damaged, or issues with other bed components.	Disconnect power. Visually inspect the drive shaft for any bends or damage. If damaged, replacement may be necessary. Consult a professional.

If troubleshooting steps do not resolve the issue, please contact AlveyTech customer support or a qualified service technician.

8. Product Specifications

Specification	Detail
Product Dimensions	45 x 3 x 1 inches
Item Weight	5.35 Pounds
Item Model Number	D25-4256
Manufacturer	AlveyTech
ASIN	B07VQL24FP
Color	Brown
Assembly Required	No (for the shaft itself, but installation into bed is required)

9. Warranty and Customer Support

AlveyTech is committed to providing high-quality parts that our customers can depend on. While specific warranty details for this component are not provided in this manual, we encourage you to visit the official AlveyTech website or contact our customer support for information regarding product warranties, returns, or technical assistance.

AlveyTech Mission: Our mission is to provide top-notch parts that our customers can depend on. We are committed to innovation, constantly updating our product line to incorporate the latest advancements in technology and design.

For further assistance, please refer to the contact information available on the AlveyTech official website or your purchase documentation.



Thank you for choosing AlveyTech. We look forward to serving you and helping you get the most out of your powersports and mobility equipment.

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This manual is for informational purposes only. AlveyTech is not responsible for any damage or injury resulting from improper installation or use of this product.