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iDili 24-0416-0034

iDili Car Seat Forward Backward Moving Lifting Base

INSTRUCTION MANUAL

Model: 24-0416-0034 (HS-HD01S)

1. Introduction

Thank you for choosing the iDili Car Seat Forward Backward Moving Lifting Base. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new product. Please read this manual thoroughly before use and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of the lifting base.

2. Safety Information

Always prioritize safety when handling and installing this product. Failure to follow these safety guidelines may result in injury or damage to the product or vehicle.

- **Read All Instructions:** Before installation or operation, carefully read and understand all instructions provided in this manual.
- **Professional Installation Recommended:** If you are unsure about any step of the installation process, it is highly recommended to seek assistance from a qualified professional.
- **Secure Fasteners:** Ensure all bolts, nuts, and other fasteners are securely tightened according to specifications. Periodically check for looseness.
- **Pinch Points:** Be aware of moving parts during operation. Keep hands and fingers clear of pinch points to prevent injury.
- **Weight Limits:** Do not exceed the maximum weight capacity of the lifting base. Refer to the specifications section for details.
- **Vehicle Compatibility:** Verify that this lifting base is compatible with your specific vehicle type (Truck, RV, Commercial Vehicle) before attempting installation.
- **Material Handling:** The product is made of steel and has a significant weight. Use proper lifting techniques or seek assistance to avoid strain or injury during handling.

3. Product Overview

The iDili Car Seat Forward Backward Moving Lifting Base is designed to provide adjustable height and position for vehicle seats, enhancing comfort and accessibility. Constructed from durable steel, it features a robust mechanism for smooth

operation.



Figure 3.1: The iDili Car Seat Forward Backward Moving Lifting Base, showcasing its robust steel construction and adjustment handle.

Key Features:

- Made of pure steel for durability and strength.
- Five-speed adjustment for customizable height settings.
- Simple operation mechanism for ease of use.
- Easy to install with integrated slide rails.
- Designed for forward and backward seat movement.

4. Specifications

Detailed specifications for the iDili Car Seat Forward Backward Moving Lifting Base.

Attribute	Value
Name	Lifting base with slide rails
Model	HS-HD01S (Part Number: 24-0416-0034)
Material	Steel
Overall Size (L x W x H)	42cm x 34cm x 10cm (folded)
Height Range	10cm - 15.5cm
Net Weight	6.6 KG
Gross Weight	7 KG

Attribute	Value
Packing Size	45cm x 35cm x 12cm
Application Scenario	Truck, RV, Commercial Vehicle
Adjustment Type	Left Hand Adjustment

Dimensions:



Figure 4.1: Top view dimensions, indicating a length of 310mm for the rails and a base width of 270mm.



Figure 4.2: Side view dimensions, illustrating the maximum extended height of 155mm.



Figure 4.3: Top-down view with overall base dimensions, including 285mm and 340mm widths.

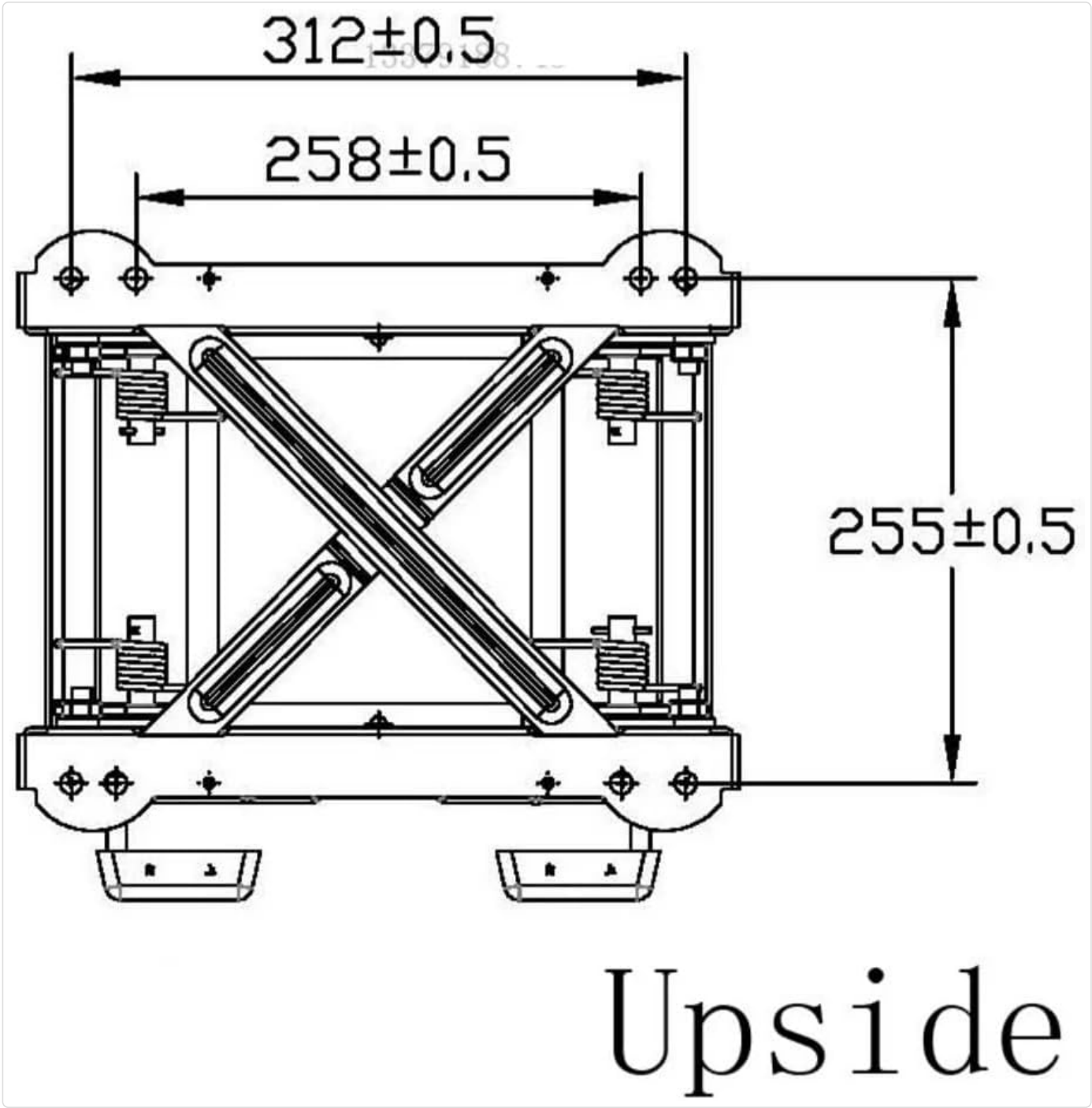


Figure 4.4: Technical drawing of the upside mounting plate, showing bolt hole spacing and overall dimensions (312mm x 255mm).

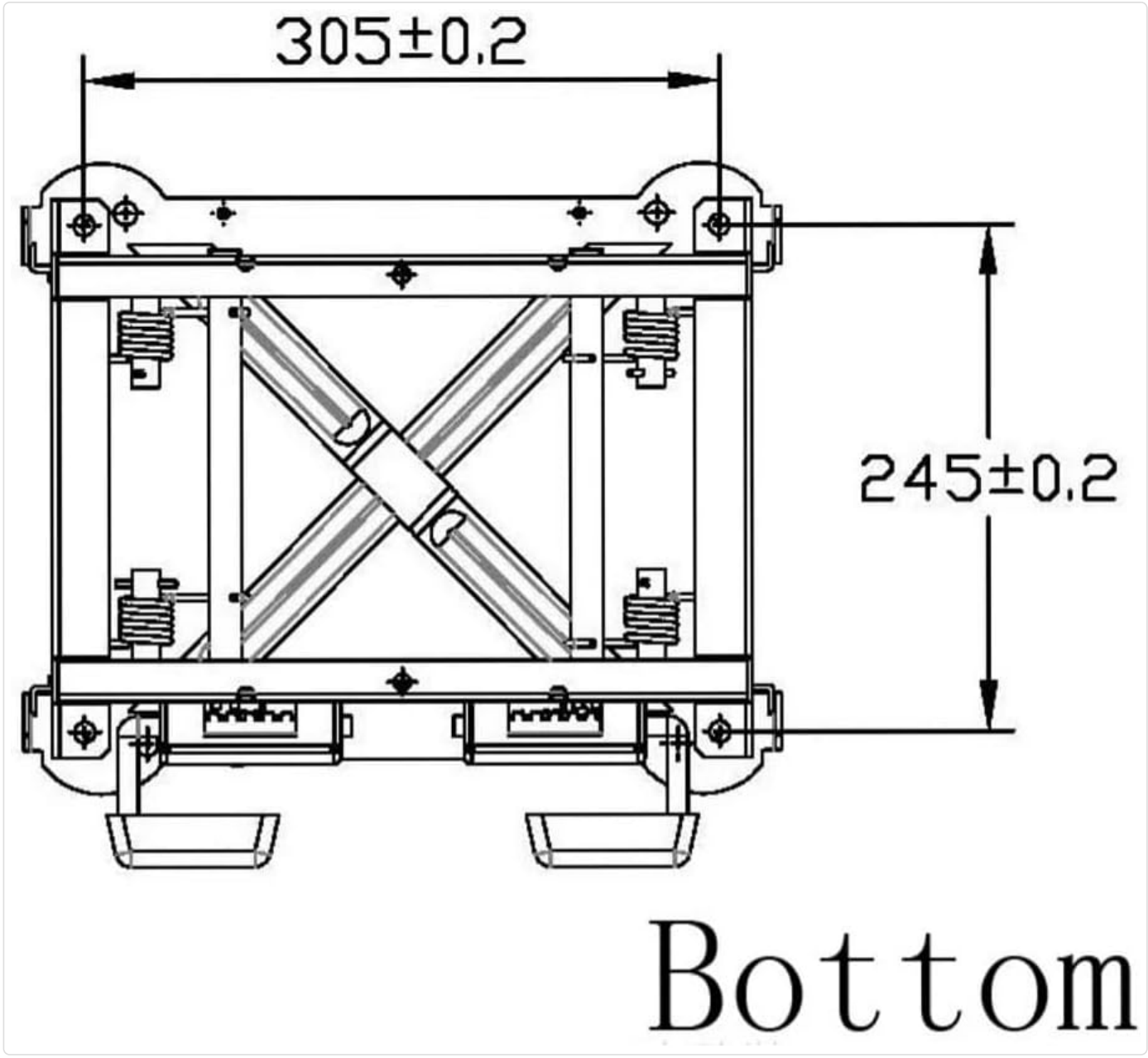


Figure 4.5: Technical drawing of the bottom mounting plate, showing bolt hole spacing and overall dimensions (305mm x 245mm).

5. Setup and Installation

The iDili Car Seat Lifting Base is designed for easy installation, coming with integrated slide rails. However, due to the critical nature of vehicle seating, professional installation is highly recommended to ensure safety and proper function.

General Installation Steps (Consult a professional if unsure):

1. **Preparation:** Ensure the vehicle is turned off and the battery is disconnected if working near electrical components. Gather all necessary tools (not included).
2. **Remove Existing Seat:** Carefully unbolt and remove the existing car seat from its mounting points. Keep all original hardware organized.
3. **Position the Base:** Place the iDili lifting base onto the vehicle's seat mounting points. Ensure proper orientation (Left Hand Adjustment).
4. **Secure the Base:** Align the mounting holes of the lifting base with the vehicle's mounting points. Use appropriate high-strength bolts and washers (not included, or reuse original if compatible and safe) to secure the base firmly to the vehicle floor. Tighten all fasteners to the vehicle manufacturer's torque specifications.

5. **Mount the Seat:** Attach your car seat to the top rails of the iDili lifting base. Ensure all mounting points are aligned and secured with appropriate hardware.
6. **Final Check:** After installation, thoroughly check all connections and fasteners to ensure they are tight and secure. Test the base's movement and locking mechanisms before regular use.

Note: Specific vehicle models may require additional adapters or modifications. Always refer to your vehicle's service manual for seat removal and installation procedures.

6. Operating Instructions

The iDili Car Seat Lifting Base offers simple operation for adjusting your seat's position and height.



Figure 6.1: The lifting base with the left-hand adjustment handle visible.

Adjusting Height (Five-Speed Adjustment):

1. Locate the adjustment handle on the left side of the base.
2. To raise or lower the seat, pull the handle upwards or push it downwards, depending on the desired direction of

movement.

3. The base features a five-speed adjustment mechanism, allowing you to incrementally change the height. Release the handle at the desired height, and the mechanism will lock into place.

Forward and Backward Movement:

1. To move the seat forward or backward, locate the release levers, typically at the front of the base (indicated by grey tabs in product images).
2. Lift the release levers to disengage the locking mechanism.
3. Slide the seat to the desired forward or backward position.
4. Release the levers to lock the seat firmly in its new position. Ensure the seat is fully locked before use.

7. Maintenance

Regular maintenance helps ensure the longevity and safe operation of your iDili Car Seat Lifting Base.

- **Cleaning:** Wipe down the steel components with a damp cloth to remove dust and dirt. Avoid abrasive cleaners or solvents that could damage the finish.
- **Lubrication:** Periodically apply a small amount of silicone-based lubricant to the moving parts, such as the slide rails and pivot points, to ensure smooth operation and prevent squeaking. Do not over-lubricate.
- **Inspection:** Regularly inspect the base for any signs of wear, damage, or corrosion. Check all bolts and fasteners for tightness and re-tighten if necessary. Pay close attention to the springs and locking mechanisms.
- **Damage:** If any part of the base appears damaged or compromised, discontinue use immediately and contact the manufacturer or a qualified technician for repair or replacement. Do not attempt to repair damaged components yourself unless you are qualified.

8. Troubleshooting

This section addresses common issues you might encounter with the iDili Car Seat Lifting Base.

Problem	Possible Cause & Solution
Base is difficult to adjust (stiff movement).	• **Lack of Lubrication:** Apply a silicone-based lubricant to the slide rails and pivot points. • **Dirt/Debris:** Clean the rails and moving parts to remove any accumulated dirt or debris. • **Misalignment:** Ensure the base is installed correctly and not under undue stress. Re-check mounting.
Base does not lock securely in position.	• **Obstruction:** Check for any foreign objects preventing the locking mechanism from fully engaging. • **Damaged Mechanism:** Inspect the locking levers and internal components for damage. If damaged, professional repair or replacement may be necessary. • **Improper Operation:** Ensure the levers are fully released after adjustment.

Problem	Possible Cause & Solution
Unusual noises (squeaking, grinding) during adjustment.	• **Lack of Lubrication:** Lubricate all moving parts as described in the Maintenance section. • **Loose Fasteners:** Check and tighten all mounting bolts and fasteners. • **Component Wear:** If noises persist after lubrication and tightening, it may indicate wear on internal components. Consult a professional.
Seat feels wobbly or unstable.	• **Loose Mounting Bolts:** Immediately check and tighten all bolts securing the base to the vehicle and the seat to the base. • **Damaged Base:** Inspect the base for any cracks, bends, or structural damage. Discontinue use if damage is found. • **Incorrect Installation:** Review installation steps or consult a professional to ensure the base is correctly and securely mounted.

If you encounter a problem not listed here, or if the suggested solutions do not resolve the issue, please contact iDili customer support or a qualified technician.

9. Warranty and Support

For information regarding the product warranty, including terms, conditions, and duration, please refer to the warranty card included with your purchase or visit the official iDili website. Warranty claims typically require proof of purchase.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue with your iDili Car Seat Lifting Base, please contact iDili customer support through the following channels:

- **Website:** Visit the official iDili website for FAQs, support resources, and contact forms.
- **Email:** Refer to your product packaging or the iDili website for customer service email addresses.
- **Phone:** Check the iDili website for available customer service phone numbers.

When contacting support, please have your product model number (24-0416-0034 or HS-HD01S) and proof of purchase readily available to expedite the process.

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