



## **Height Adjustable Back Adapter**

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Owner's Manual - Maintenance Guide

Height Adjustable Back Adapter  
for Quantum TB3/TB4 Wheelchairs

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**Stealth Products** is committed to 100% customer satisfaction. Your complete satisfaction is important to us. Please contact us with feedback or suggestions to help us improve the quality and usability of our products.

You may reach us at:



**Stealth Products, LLC**

104 John Kelly Drive, Burnet, TX 78611

Phone: (512) 715-9995

Fax: (512) 715-9954

Toll Free: (800) 965-9229

Toll Free: (800) 806-1225

info@stealthproducts.com

www.stealthproducts.com



 <b>MDSS GmbH</b> Schiffgraben 41 30175 Hannover Germany	 <b>SODIMED SA</b> Chemin Praz Devant 12 1032 Romanel sur-Lausanne Switzerland	<b>UK Authorized Representative</b>  <b>MDSS-UK RP</b> 6 Wilmslow Road, Rusholme Manchester M14 5TP United Kingdom
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General

Read and understand all instructions prior to the use of the product. Failure to adhere to instructions and warnings in this document may result in property damage, injury, or death. Product misuse or failure to follow instructions will void the warranty.

Immediately discontinue use if any function is compromised, if parts are missing or loose, or if any component shows signs of excessive wear. Consult with your supplier for repair, adjustment, or replacement.

All persons responsible for fitting, adjustment, and daily use of the devices discussed in these instructions must be familiar with and understand all safety aspects of the devices mentioned. In order for our products to be used successfully, you must read and understand all instructions and warnings, and maintain our products according to our instructions on care and maintenance.

The installation instructions will guide you through this product's options and possibilities.

Instructions are written with the expressed intent of use with standard configurations. They also contain important safety and maintenance information, as well as describe possible problems that can arise during use. For further assistance, or more advanced applications, please contact your supplier or **Stealth Products** at (512) 715-9995 or toll free at (800) 965-9229.

Always keep the operating instructions in a safe place so they may be referenced as necessary.

All information, pictures, illustrations, and specifications are based on the product information that was available at the time of printing. Pictures and illustrations shown in these instructions are representative examples and are not intended to be exact depictions of the various parts of the product.

## Important Information

### CAUTION

These products are designed to be fitted, applied, and installed exclusively by a healthcare professional trained for these purposes. The fitting, application, and installation by a non-qualified individual could result in serious injury.

## Warranty

Our products are designed, manufactured, and produced to the highest of standards. If any defect in material or workmanship is found, **Stealth Products** will repair or replace the product at our discretion. Any implied warranty, including the implied warranties of merchantability and fitness for a particular purpose, shall not extend beyond the duration of this warranty. **Stealth Products** does not warrant damage due to, but not limited to: Misuse, abuse, or misapplication of product, and/or modification of product without written approval from **Stealth Products, LLC**. Any alteration or lack of serial number, where applicable, will automatically void all warranty.

**Stealth Products, LLC** is liable for replacement parts only. **Stealth Products, LLC** is not liable for any incurred labor costs.

**Stealth Products** warrants against failure due to defective materials or workmanship:

**Covers: 2 years**  
**Hardware: 5 years**  
**Electronics: 3 years**

In the event of a product failure covered by our warranty, please follow the procedures outlined below:

Call **Stealth Products** at (512) 715-9995 or toll free at (800) 965-9229.

Request a Return Authorization (RA) form from the Returns Department and follow the documentation instructions.

You can download additional copies of this manual by accessing the Stealth website ([www.stlpro.site/stealth-docs](http://www.stlpro.site/stealth-docs)) and searching "Height Adjustable Back Adapter" in the search bar at the top of the page.

## Supplier Reference

<b>Supplier:</b>	
<b>Telephone:</b>	
<b>Address:</b>	
<b>Purchase Date:</b>	
<b>Model:</b>	

## Warning Labels

Warnings are included for the safety of the user, client, operator, and property. Please read and understand what the signal words **DANGER**, **WARNING**, **CAUTION**, **NOTICE**, and **SAFETY** mean, and how they could affect the user, those around the user, and property.



### **DANGER**

Identifies an **imminent** situation which, if not avoided, may result in **severe injury, death, and property damage**.



### **WARNING**

Identifies a **potential** situation which, if not avoided, may result in **severe injury, death, and property damage**.



### **CAUTION**

Identifies a **potential** situation which, if not avoided, may result in **minor to moderate injury and property damage**.

### **NOTICE**

Identifies important information not related to injury, but possible **property damage**.

### **SAFETY**

Indicates steps or instructions for safe practices, reminders of safe procedures, or important safety equipment that may be necessary.

## Limited Liability

**Stealth Products, LLC** accepts no liability for personal injury or damage to property that may arise from the failure of the user or other persons to follow the recommendations, warnings, and instructions in this manual.

**Stealth Products** does not hold responsibility for final integration of final assembly of product to end user. **Stealth Products** is not liable for user death or injury.

## Testing

Initial setup and driving should be done in an open area free of obstacles until the user is fully capable of driving safely.

### Intended Use

The **Height Adjustable Back Adapter** gives clinicians and facilities the ability to quickly change the height of a back support on a wheelchair, or remove and reinstall the back support, without requiring the use of tools. A small lever on either side of the back adapter releases the back support to slide along a sturdy dual rail guide and the adapter can lock at one-inch intervals, or be completely removed and then replaced on the guide. This allows a single chair to be quickly adapted for use by multiple clients and removes the down-time normally associated with adjusting the height of a back support.

### Features

- Tool-less height adjustment of the back support in one-inch increments or the back support can be quickly removed or reinstalled using the same levers.
- Accommodates back support widths from 12 to 28 inches.
- Adjustment levers can be locked with a set screw to reduce the risk of improper back support adjustments.



#### WARNING

Incorrect installation of the adapter interface or its accessories may cause damage to the hardware and/or injury to the user.

### Compatibility

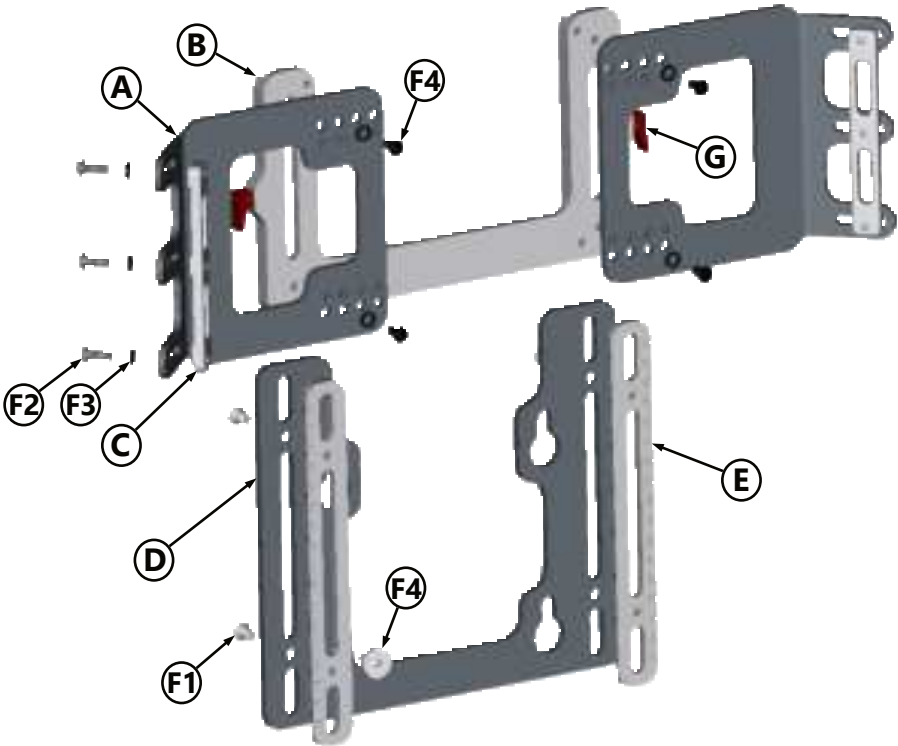
The **Height Adjustable Back Adapter** is compatible with Quantum TB3/TB4-type wheelchair systems.



#### CAUTION

The use of improper tools may cause damage to the device. Under- or over-tightening fasteners can cause components to fail, or cause discomfort for the user. The tools required to install additional accessories are detailed in the manuals provided with those accessories.

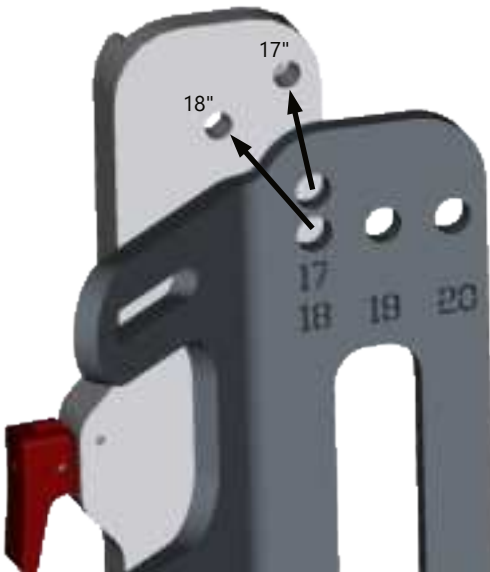
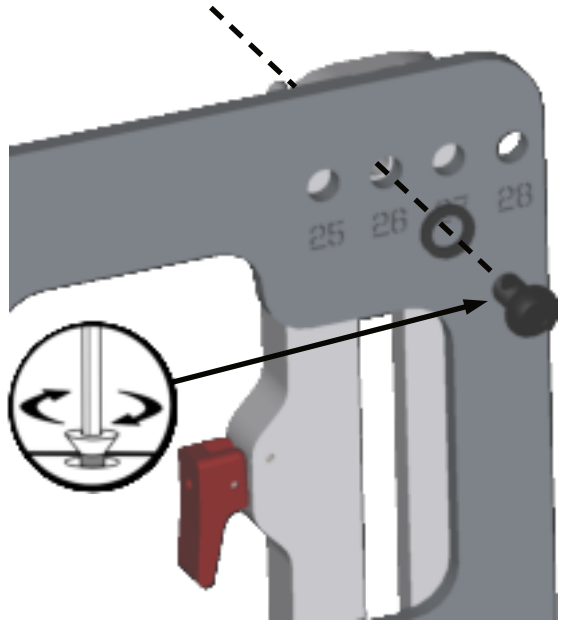
Parts Included



Description		Size	Qty	Torque Specification
A	Mounting Bracket, 45° Backs	BR5031 (12"-16")	2	-
		S: 17" - 20"		
		M: 21" - 24"		
		L: 25" - 28"		
B	Dual Rail Guide	-	1	-
C	Track Nut, 6"	-	2	-
D	Quantum Base Plate	-	1	-
E	Rail	-	2	-
F1	M6x12mm Flat Head Screw	-	4	10.3 N·m
F2	M6x16mm Button Head Screw	-	6	10.3 N·m
F3	M6 Flat Washer	-	10	-
F4	M6x12mm Button Head Screw w/Nylon	-	4	10.3 N·m
G	Latch Assembly	Lever	2	-
		Pin	2	-
		Spring	2	-
		Bushing	2	-

### Mounting the Bracket to the Back Adapter

1. The holes in the Mounting Bracket, 45° Backs (A) are identified by the number cut into the bracket beneath the screw holes. Select the holes in each bracket that match the width of your back support.
2. Align the holes in the bracket with the threaded holes in the Dual Rail Guide (B).
3. Insert the M6 x 1 x 12mm Button Head Screws with Nylon (F4) through an M6 Flat Washer (F3) and the mounting bracket through the holes chosen in Step 1 and thread them into the dual rail guide.
4. Tighten them to the torque value specified on Page 2.



**NOTE:** The holes for 17" and 18" are aligned horizontally on the small mounting bracket, but are further apart vertically.

To install the mounting bracket for 17" back supports, line up the top hole on the mounting bracket with the inner (higher) hole in the dual rail guide. The lower hole should line up with the inner hole on the bottom of the dual rail guide as well.

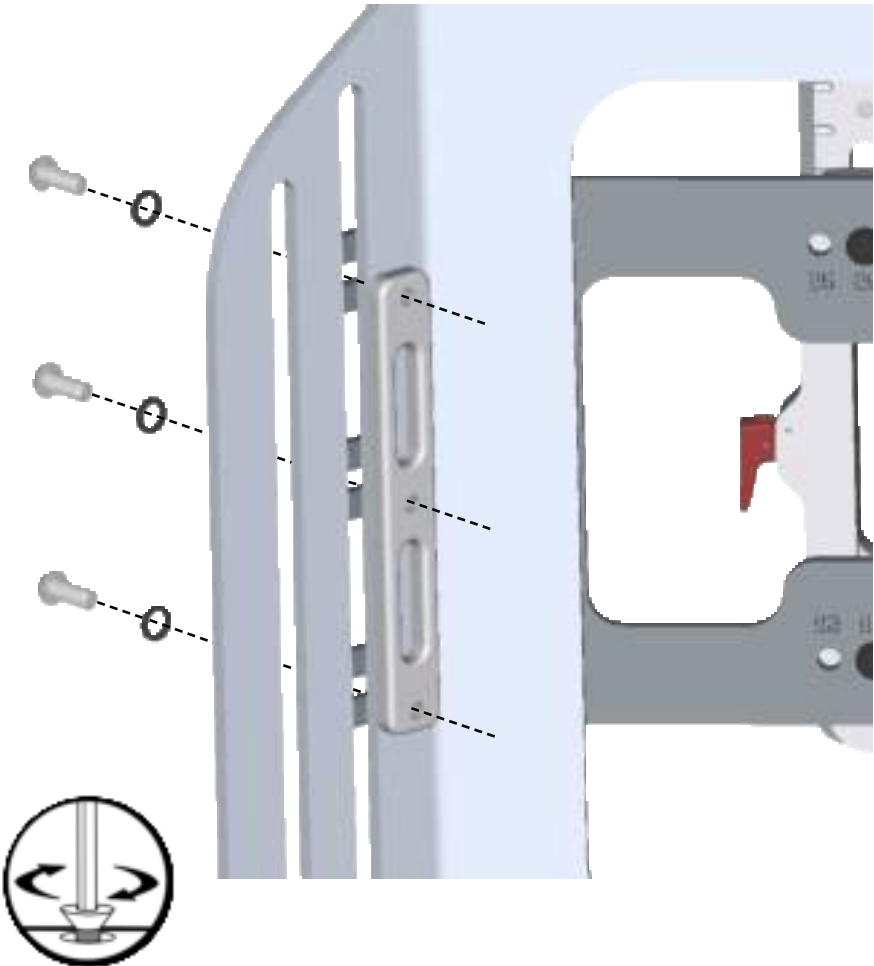
To install the mounting bracket for 18" back supports, line up the lower hole in the bracket with the outer hole on the dual rail guide.

Tighten the screws according to the values listed on Page 2.



## Mounting the Back Support to the Brackets

1. When the Mounting Bracket, 45° Backs (A) are both installed, the back support will fit between them and the three slots in the mounting brackets will line up with the slot in the back support designed for mounting hardware. Align the Track Nut, 6" (C) with the three slots in each mounting bracket and the slot in the Back Support.
2. Insert an M6 x 1 x 16mm Button Head Screw (F2) through an M6 Flat Washer (F3) and then through the mounting bracket and back support. Thread the button head screw into the track nut.
3. Repeat Step 2 for the other two button head screws.
4. Center the back on the mounting brackets and tighten the screws according to the values listed on Page 2.



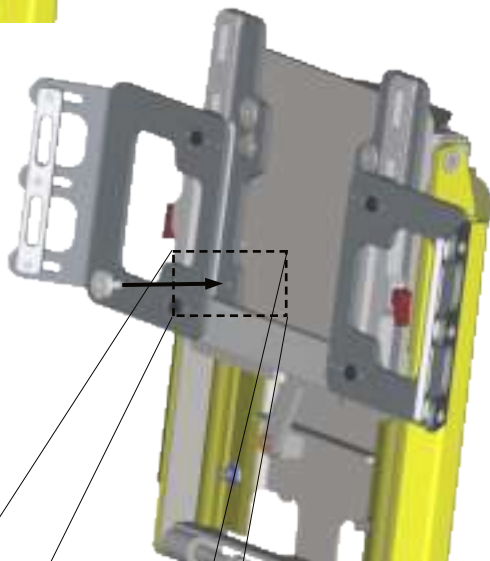
### Mounting the Back Adapter to the Chair

The chair back will have three studs and a threaded hole to accommodate the height adjustable back adapter.



1. Align the three keyholes in the back adapter with the three studs on the chair's back.

2. Insert the studs through the larger bottom of the keyholes and slide it down to secure the narrower top of the keyholes on the three studs.



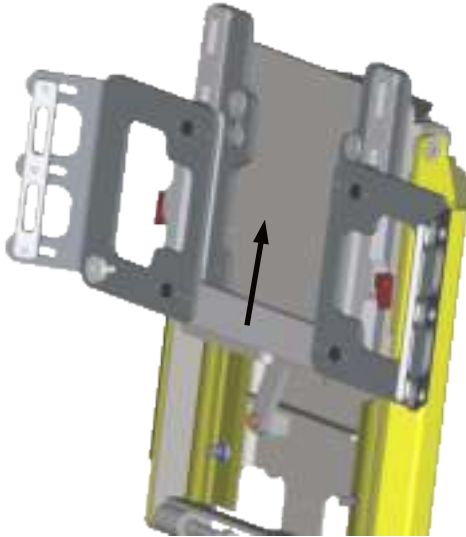
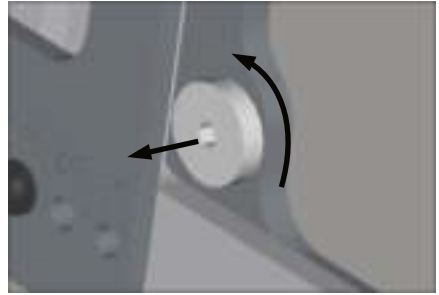
3. Place the thumbscrew in the bottom left hole and thread it into the threaded hole in the chair back. Tighten it to secure the back adapter on the power chair.



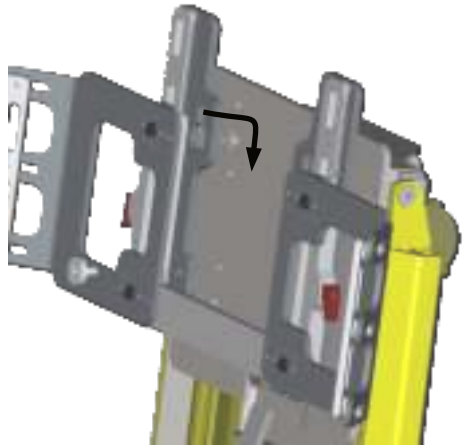
## Removal/Replacement

Removal of the **Height Adjustable Back Adapter** is the reverse of the installation procedure listed on the previous page.

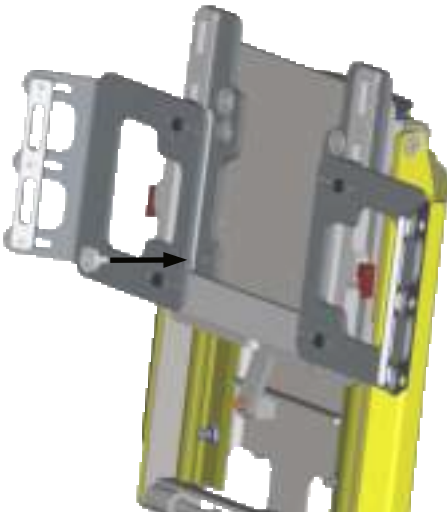
1. Remove the thumbscrew securing the adapter to the chair back.



2. Lift the back to free the keyholes from the studs and remove the back.



3. To replace the back, place the keyholes on the studs and slide the adapter towards the seat.

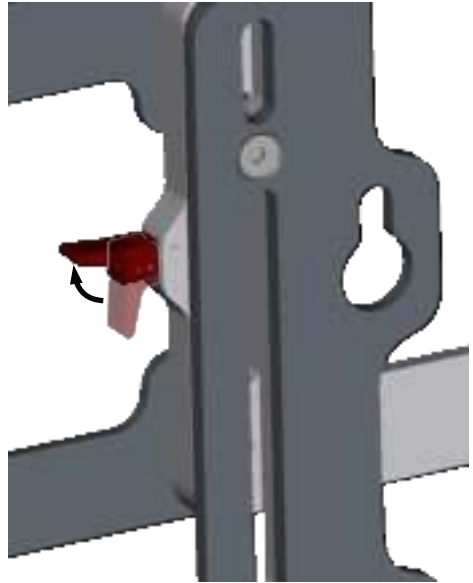
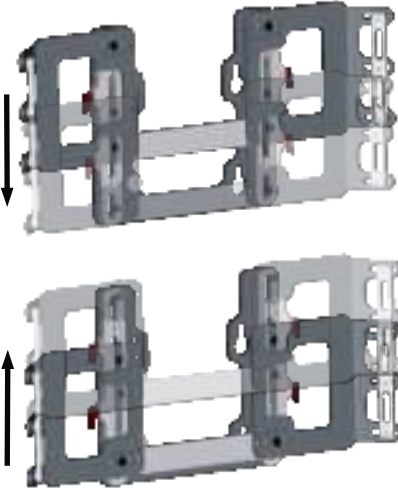


4. Insert the thumbscrew into the lower left hole and thread it into the back to secure the adapter in place.

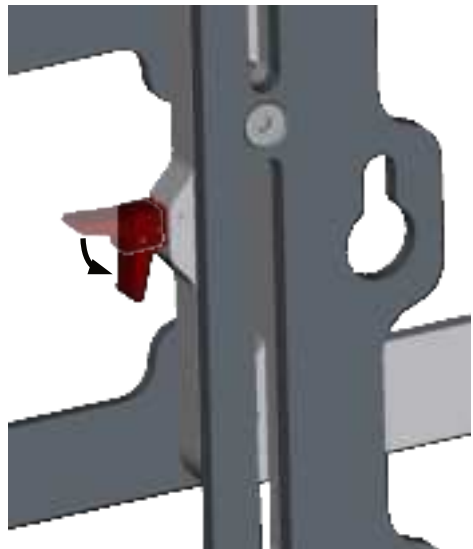
### Height Adjustment

The height of the back support in relation to the chair back can be set without tools, using the red latches located on the side of the Dual Rail Guide (B).

1. Lift the two Latches (G) until they reach the horizontal orientation, as shown in the image. In this position, the pins that secure the height setting are retracted and the back support is free to slide up or down the rails that are mounted on the Quantum Base Plate (D).



2. Move the back support up or down to the desired position. The back is adjustable in one-inch increments.

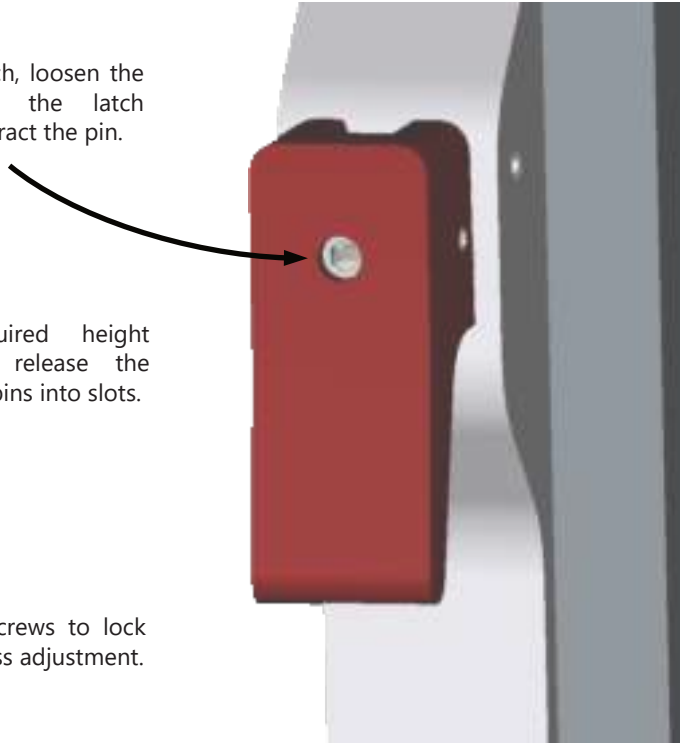


3. Release the Latches (G) to the vertical position. This will release the pins to latch into the slots cut into the rails and lock the back support in position. NOTE: Make sure the pins find a slot to lock into by moving the back support up or down in the desired direction until the pins click into slots. When the pins find a slot to go into, the latch will snug against the dual rail guide.

## Set Screw Locking Mechanism

The Latch Assemblies (G) have set screws that allow them to be locked in position, preventing further height adjustment without tools. Subsequent height adjustments will require the set screws to be loosened to allow the latches to retract the pins.

1. Using a hex wrench, loosen the set screw until the latch mechanism will retract the pin.
2. Make the required height adjustment and release the latches. Lock the pins into slots.
3. Tighten the set screws to lock out further tool-less adjustment.



### Dealer Assistance

During first time use by the client, it is advised that the dealer or service technician assists and explains the configuration to the customer (the user and/or the attendant). If needed, the dealer can make final adjustments.

### User Testing

It is important that the customer is fully aware of the installation of the **Height Adjustable Back Adapter** and how the product can be adjusted in order to gain the best positioning possible. As a dealer, proceed as follows:

- Explain and show the client how you have executed the installation, and explain the function.

Have the user test the position of the product:

- Is the **Height Adjustable Back Adapter** in the proper position for the client?
- Can the user safely operate the chair in the position in which they are seated?
- Is the placement of **Height Adjustable Back Adapter** in an optimal position for the client?

### Conditions of Use

The **Height Adjustable Back Adapter** is intended for use as installed by the dealer, in accordance to the installation instructions in this manual.

- The foreseen conditions of use are communicated by the dealer or service technician to the user and/or attendant during the first time use.
- If the conditions of use change significantly, please contact your dealer or a qualified service technician to avoid excessive wear and tear or unintended damage.

## Disinfection

Wipe gently with a cloth dampened with a household disinfectant.

## Maintenance

The following care and guideline instructions will keep the hardware and covers in good condition for a longer period of time and prevent damage.

- Periodically check and tighten any loose fasteners.
- Check all components for any signs of wear or breakdown.
- Gently remove dust and dirt from the hardware with a soft, damp cloth.



### CAUTION

Always check mounting hardware before using the adapter interface.



### CAUTION

#### **Maximum Weight Capacity:**

300 lbs. (136.08 kg)

### NOTICE

Improper installation or alterations of any kind  
will void this product's warranty.

### SAFETY

Repair or replace parts as needed.



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**Warranty Information**



**Home Page**



**Online User Manual**



Stealth Products, LLC · info@stealthproducts.com · www.stealthproducts.com  
(800) 965-9229 | (512) 715-9995 | 104 John Kelly Drive, Burnet, TX 78611