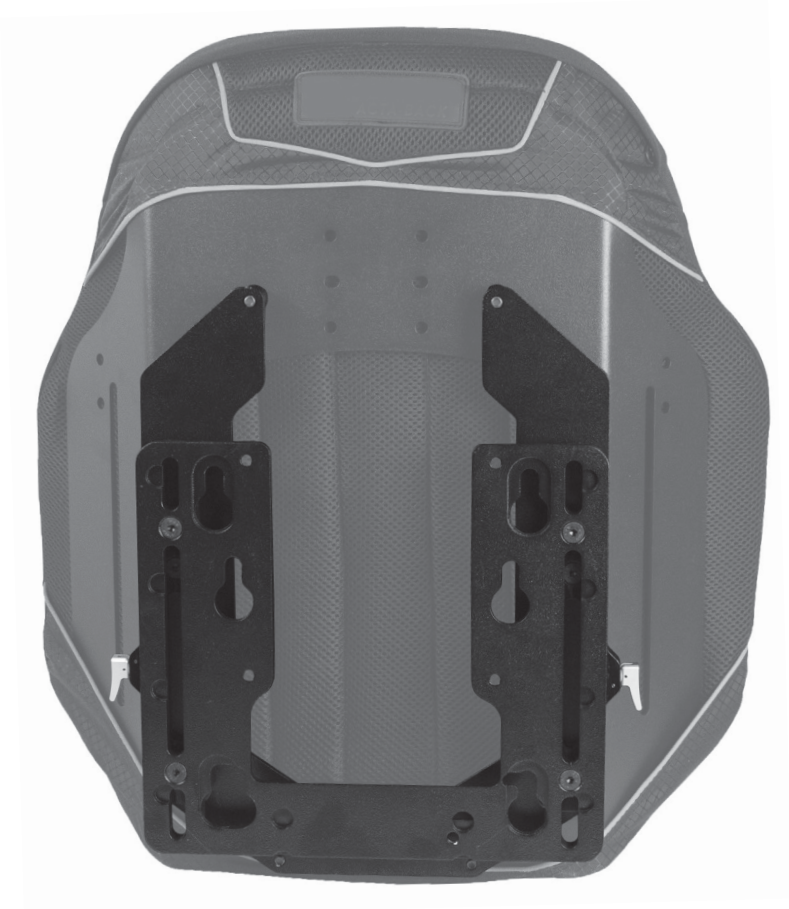


# Compass® Power Mount Hardware

OPERATION MANUAL

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**permobil**

## Intended Use

Compass Power Mount Hardware is intended to attach compatible Comfort back supports to compatible power wheelchairs. Compatible Comfort back supports are: ACTA-Relief, ACTA-BACK, ACTA-EMBRACE and Tru-Shape.

**⚠ Compatibility:** The Compass Power Mount Hardware is NOT intended for use with other manufacturers' back supports or for attachment to wheelchairs other than those specified in this manual.

*The medical products featured in this document are intended to be only one part of an overall care regimen that includes all seating and mobility equipment and therapeutic interventions. A clinician who is experienced in seating and positioning should identify this care regimen after evaluating the individual's physical needs and overall medical condition.*

*A clinician who is experienced in seating and positioning should determine whether the product is appropriate for the individual's particular seating needs. The product's intended use statement alone should not be relied upon to make that determination.*

## Important Safety Information

### ⚠ WARNINGS:

- This product is designed for the intended user and intended use only. Any modifications could potentially endanger the user and cause discomfort or damage.
- Ensure that the product does not interfere with any other wheelchair components. Interference could jeopardize effectiveness and user safety as well as cause damage.
- Avoid sharp objects.
- DO NOT modify this product. Doing so will void its warranty and may lead to personal injury or alter the effectiveness of the product by increasing the risk factors for skin breakdown and/or instability.
- Follow all instructions and safety information provided with the product and provided by the manufacturer of your wheelchair or other accessories.
- Understanding how to care for your product is the key to safe and proper use. Share this information with all caretakers to help them meet your healthcare needs and ensure your safety.
- Permobil cannot be held responsible for damages or injury due to misuse of the product or failure to follow instructions provided in this manual. Please contact us if you require further assistance in understanding cautions, warnings, or instructions for using or maintaining your product.
- Installing alternate parts to your wheelchair may change the intended structure and function of the equipment. Be sure to assess the need for additional safety features for your wheelchair, such as anti-tip bars or other available options in order to maintain stability during use. Use this manual in conjunction with the user manual that came with your wheelchair to ensure safety guidelines are being met.
- It is necessary to fully articulate power recline features to ensure there is no possible equipment interference after installation. Do so slowly while watching closely.
- Never use the equipment to maneuver a wheelchair or anything that it is attached to. It is never to be used as a handle, lift, guide, or support for anything other than the intended use.

### ⚠ WARNINGS:

- Never use the equipment unless all components are fully functional. For information on assistance with any issues, refer to the "Warranty" section in this manual.
- To prevent injury, damages, or voided warranty DO NOT make any alterations to the equipment. Modifications in attempt to interface with any other products than those listed in this manual potentially compromise the safety of the user and voids the warranty.
- When possible, DO NOT use during transport. Repeated or excessive force (braking or crash) could potentially change adjustment or cause extra wear, shortening the life of the product. DO NOT use the equipment if it has been in a crash.
- Caregivers: It is necessary to learn from a healthcare provider how to properly adjust the equipment for the user's specific positioning needs and goals.
- DO NOT place anything in between the user and the product. Additional materials may reduce the effectiveness of the product and increase risk factors for skin breakdown and instability.
- ATTENTION! Make sure that the equipment is securely mounted to a wheelchair system and is adjusted properly each time it is in use. Check all hardware for wear, breakage, and tightness weekly. Re-tighten loose screws/bolts following the instructions in this manual. DO NOT continue to use the equipment if any part cannot be tightened or is broken.
- IMPORTANT! TIGHTEN SECURELY BEFORE USE: For all instructions in this manual, all fasteners should be tightened securely, as instructed. If a torque wrench is available, tighten to 9.6 Nm (85 lb-in).

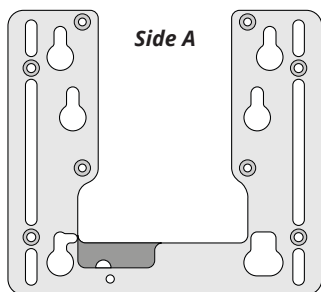
### ⚠ CAUTIONS:

- Check packaging and inspect all parts for damage before use. DO NOT USE if damaged. Check regularly for loose components and tighten as necessary. For information on assistance with damaged parts, refer to the "Warranty" section in this manual.

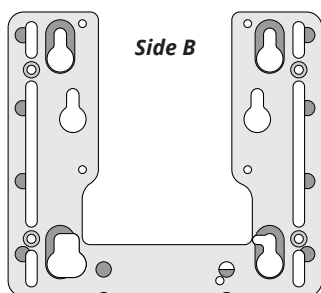
**Parts Detail**

Note: If converting from manual mounting hardware to Compass Power mounting hardware, a different cover will be required. Contact Customer support to request the correct cover for use with Compass Power Mount Hardware.

**Mounting Bracket**

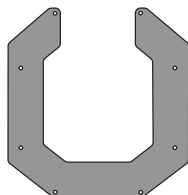


Side A

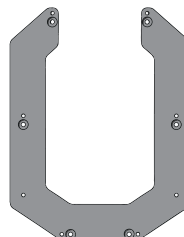


Side B

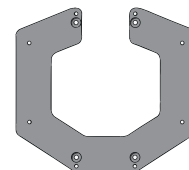
**Shell Bracket  
ACTA-EMBRACE 12L-22L**



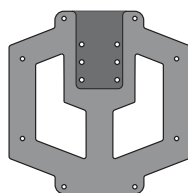
**Shell Bracket  
ACTA-BACK 16L-22L  
Tru-Shape 22H-30H**



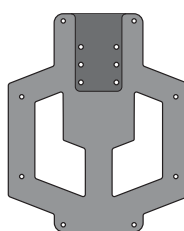
**Shell Bracket  
ACTA-BACK 12L-14L  
Tru-Shape 18H-21H**



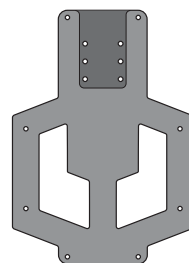
**Shell Bracket  
ACTA-Relief 12L**



**Shell Bracket  
ACTA-Relief 14L**



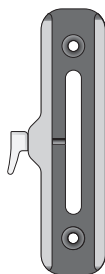
**Shell Bracket  
ACTA-Relief 16L**



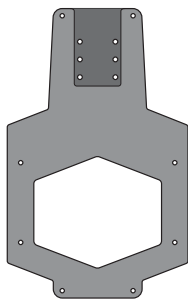
**Male Track**



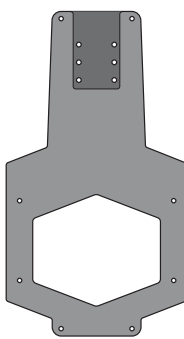
**Female Track**



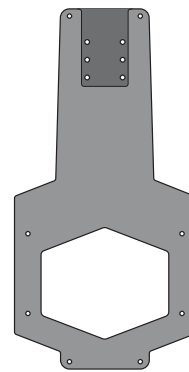
**Shell Bracket  
ACTA-Relief 18L**



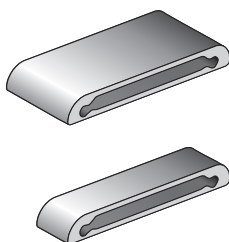
**Shell Bracket  
ACTA-Relief 20L**



**Shell Bracket  
ACTA-Relief 22L**



**Spacer  
ACTA-Relief 2" Shell (top)  
ACTA-Relief 1" Shell (bottom)**



**Spacer  
ACTA-BACK  
ACTA-EMBRACE  
Tru-Shape**



**Track Spacer  
ACTA-Relief**



**Wide Adapter Plate  
Quickie**



## Compatibility and Height

Compass Power Mount Hardware is compatible with the wheelchairs listed below, using only the seating systems specified. The power bases listed are a reference for what is available with the compatible seating systems.

POWER BASES AVAILABLE

Permobil with Corpus 3G Seating System	Quickie with 3.7 Power Recline Seating System	Quantum with Tru-Balance 3 Seating System	Rovi with Motion Concepts Seating System
M400 Corpus	QM-710™ SC	Q6 Edge	<i>Note: A Recessed Planar Interface Plate must be installed on the wheelchair.</i>
M300 Corpus	QM-710 MPC	Q6 Edge X	
C350 Corpus	QM-715™ HD MPC	Rival	
F3 / M3 Corpus	QM-720™ MPD		X3
F5 / M5 Corpus	PULSE™ 6 SC		
	PULSE 6 MPC		

Each wheelchair manufacturer has a suggested “back gap” for setting the height of the back support on the wheelchair. This allows for the power wheelchair components to articulate as intended. Please see the height guide charts below\*.

*Note: This section does not apply to the Tru-Shape, for which the back height is measured instead of the “back gap”.*

POWER MOUNT HEIGHT GUIDE	
BACK HEIGHT	30" (76.2cm)
	28" (71.2cm)
	26" (66.0cm)
	24" (60.9cm)
	22" (55.9cm)
	20" (50.8cm)
	18" (45.7cm)
	16" (40.6cm)

Quantum without recline		
Recommended CC Back Support Length		
BACK GAP = 3"	22 L	ADJUSTMENT = -3", +5"
	20 L	
	18 L	
	16 L	
	14 L	
	12 L	

Quantum with recline		
Recommended CC Back Support Length		
BACK GAP = 7"	22 L	ADJUSTMENT = -3", +5"
	20 L	
	18 L	
	16 L	
	14 L	
	12 L	

\*Rovi suggested back gap is 4" (10.2cm) for tilt systems and 6" (15.2cm) for recline systems. Recommended CC Back Support Length and Adjustment information depends on where the holes are drilled in the Recessed Planar Interface Plate during installation.

BACK HEIGHT = Overall dimension from the seat base to the top edge of the back support.

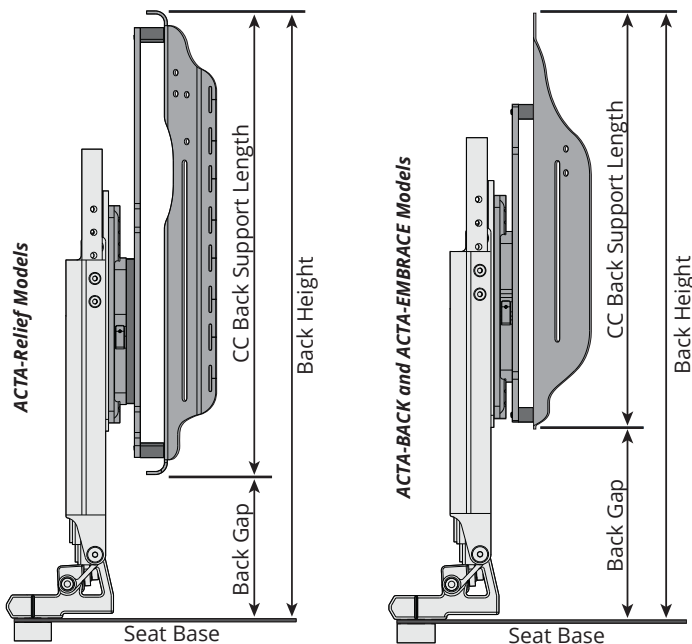
BACK GAP = Manufacturer recommended dimension from the seat base to the bottom edge of the back support. Recommended gap is identical for all back supports.

ADJUSTMENT = Available height adjustment range after recommended back gap. (½" increments)

POWER MOUNT HEIGHT GUIDE	
BACK HEIGHT	30" (76.2cm)
	28" (71.2cm)
	26" (66.0cm)
	24" (60.9cm)
	22" (55.9cm)
	20" (50.8cm)
	18" (45.7cm)
	16" (40.6cm)

Permobil		
Recommended CC Back Support Length		
BACK GAP = 6"	22 L	ADJUSTMENT = -4", +4"
	20 L	
	18 L	
	16 L	
	14 L	
	12 L	

Quickie		
Recommended CC Back Support Length		
BACK GAP = 7"	22 L	ADJUSTMENT = -2", +6"
	20 L	
	18 L	
	16 L	
	14 L	
	12 L	



## Seat Depth

### ACTA-Relief and ACTA-Relief LTS

### ACTA-BACK, ACTA-BACK Deep, ACTA-BACK Contour, ACTA-BACK LTS, ACTA-EMBRACE, ACTA-EMBRACE LTS, and Tru-Shape

**SEAT DEPTH USED** = the distance from the base mounting plate to the rear face of the back support shell. This is the distance required for the *Compass Power Mount Hardware* assembly, including spacers. Back support foam thickness varies by model and size and therefore is not included in seat depth used.

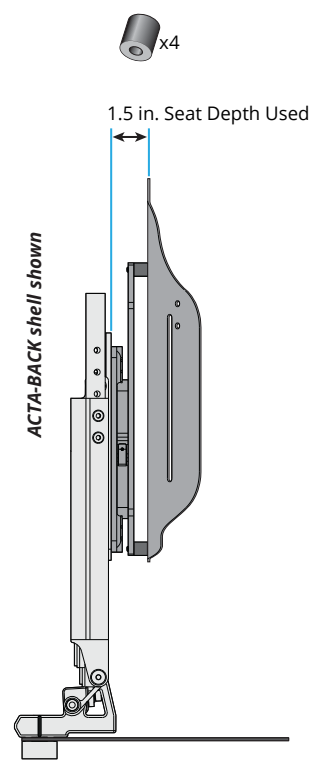
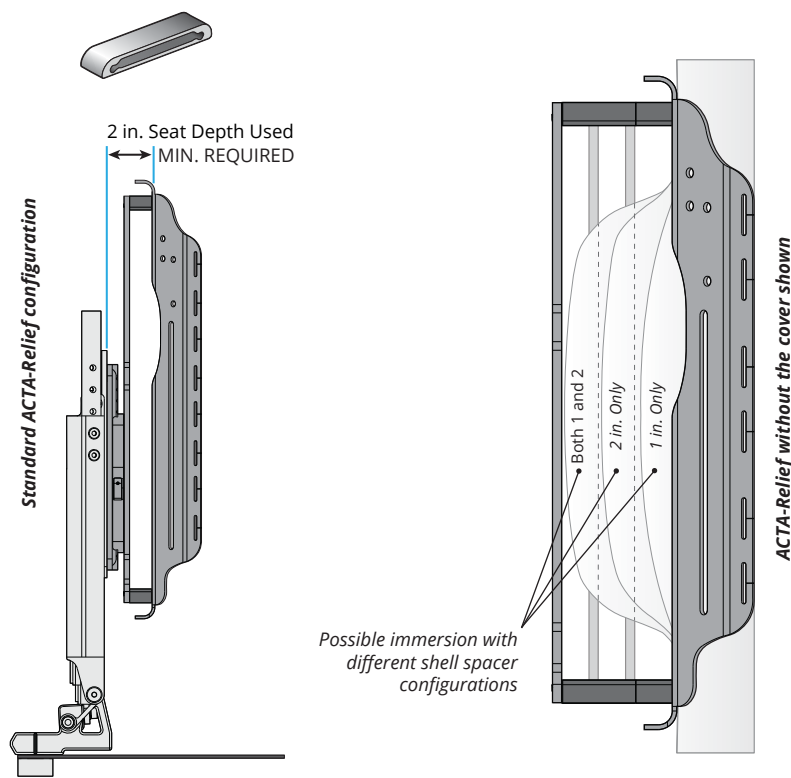
**ACTA-Relief** requires the use of at least a 1" spacer to connect the back support shell and shell bracket. 2" of seat depth is used in this configuration which is standard when shipped with a back support. This allows for the user to still immerse through the shell of the ACTA-Relief back support effectively reducing the amount of seat depth used from that listed.

Extra spacers may be used to increase the available immersion. The possible shell spacer configurations include 1" spacers only, 2" spacers only, or 1" and 2" spacers combined.



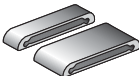


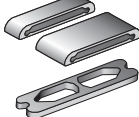
When using a head support with ACTA-Relief, an extra track spacer may be needed for clearance. This spacer requires an additional .356" of seat depth.

**ACTA-BACK** and **ACTA-EMBRACE** (including **Deep**, **Contour** and **LTS**) back supports require the use of four spacers to connect the back support shell to the hardware shell bracket. 1.5" of seat depth is used.

See assembly section if attaching *Compass Power Mount Hardware* to an ACTA-BACK or ACTA-EMBRACE back support.



#### ACTA-Relief Seat Depth Used (SDU) for all spacer configurations

2 in. (SDU)  1 in. Spacer	3 in. (SDU)  2 in. Spacer	4 in. (SDU)  1 + 2 in. Spacers
2.356 in. (SDU)  1 in. Spacer + Track Spacer	3.356 in. (SDU)  2 in. Spacer + Track Spacer	4.356 in. (SDU)  1 and 2 in. Spacers + Track Spacer

See assembly section when using shell spacers.

See assembly section when using track spacers.

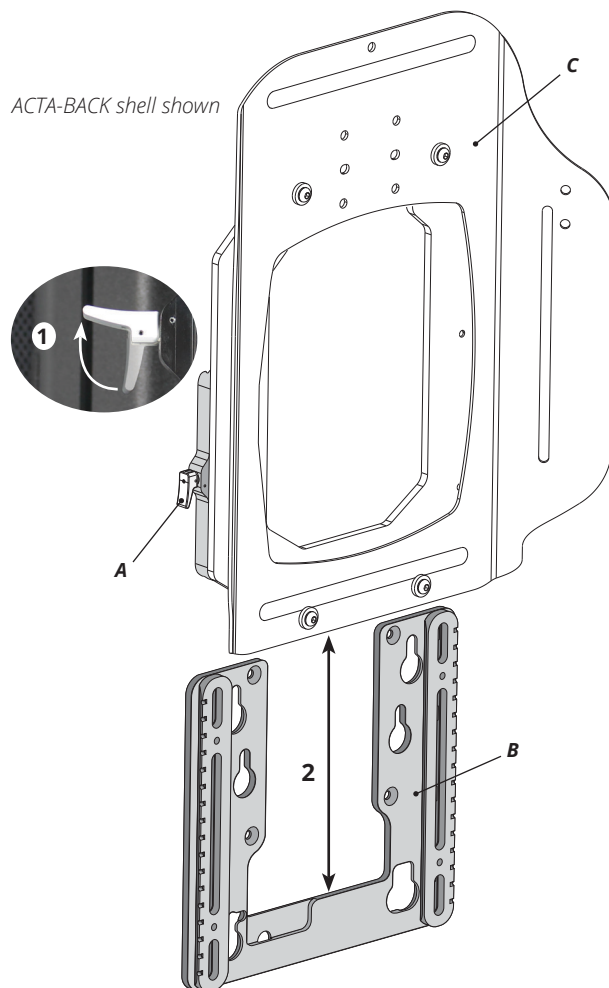
CONVERSION CHART	
.356"	= 0.9 cm
1"	= 2.5 cm
1.5"	= 3.6 cm
2"	= 5.1 cm
2.356"	= 6.0 cm
3"	= 7.6 cm
3.356"	= 8.5 cm
4"	= 10.2 cm
4.356"	= 11.1 cm
5"	= 12.7 cm
6"	= 15.2 cm
7"	= 17.8 cm

## Installation - Pre-Assembled

**Use the following instructions if Compass Power Mount Hardware is already assembled and attached to the back support. For all Acta-Series and Tru-Shape back supports.**

Compass Power Mount Hardware is usually provided pre-assembled, attached to the back support, and ready for use with the wheelchair designated during the ordering process. If the assembly is not ready for installation due to any of the reasons shown below, follow the instructions specified before continuing with the installation process.

Issue	Instructions in this manual
The hardware assembly is not attached to a back support.	<i>Assembly - ACTA-Relief Shell Spacers</i>
	<i>Assembly - ACTA-BACK and ACTA-EMBRACE Shell Bracket</i>
The hardware is not configured for the power wheelchair.	<i>Installation - Mounting Bracket and Track Alignment</i>
The hardware assembly requires posterior depth adjustment.	<i>Assembly - ACTA-Relief Shell Spacers</i>
	<i>Assembly - ACTA-Relief Shell Bracket and Track Spacer</i>
Parts are being replaced.	<i>Installation - Mounting Bracket and Track Alignment</i>
	<i>Assembly - ACTA-Relief Shell Bracket and Track Spacer</i>
	<i>Assembly - ACTA-BACK and ACTA-EMBRACE Shell Bracket</i>
The hardware has binding issues.	<i>Cleaning and Alignment - Tracks</i>



**⚠ IMPORTANT!** The back support shell is shown without a cover. The cover should be on the back support during installation.

**⚠ WARNING: DROPPING RISK:** To avoid risk of personal injury or damage to the product, make sure to support the mounting bracket while releasing, as it may slide easily, and will drop if unsupported.

- 1 Flip the release levers (A) out on both sides of the hardware assembly to release the mounting bracket (B).
- 2 Slide the mounting bracket (B) down and set the back support (C) with the remaining hardware aside. See the next page to verify orientation of the mounting bracket (B) and to make sure it is set up for installation on the desired power wheelchair.

## Installation - Mounting Bracket and Track Alignment

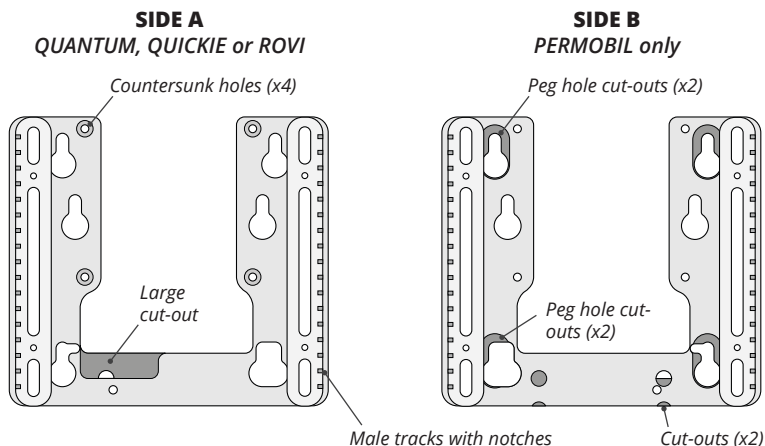
### Verify and/or switch the mounting bracket orientation; or replace the mounting bracket and male track parts.

If the mounting bracket is already set up for the wheelchair, see the Installation instructions on the next two pages.

If the mounting bracket orientation needs to be switched, follow steps 3a - 8a on this page.

The mounting bracket should be set up for the power wheelchair that was selected when the product was ordered.

To determine whether to use **SIDE A** or **SIDE B** of the mounting bracket, look for the location of the male track pieces that have notches, as shown here.

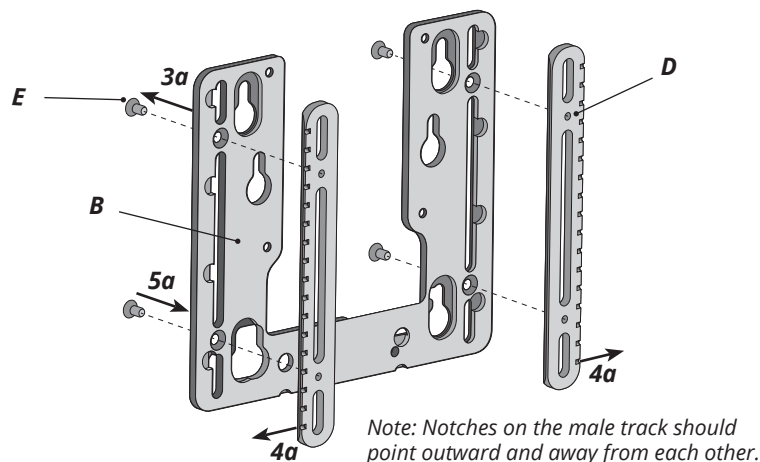


### To adjust the mounting bracket:

- 3a** From the back side of the mounting bracket (B), unscrew the four flat head screws (E) with the hex key.
- 4a** Move the male tracks (D) to the opposite sides of the mounting bracket.
 

*Note: The notches on the male tracks must be visible and run along the outer edge of the mounting bracket.*
- 5a** Reassemble the mounting bracket (B) and the male tracks (D) using the screws (E).

**! IMPORTANT!** The screws should be evenly tightened for the best alignment.

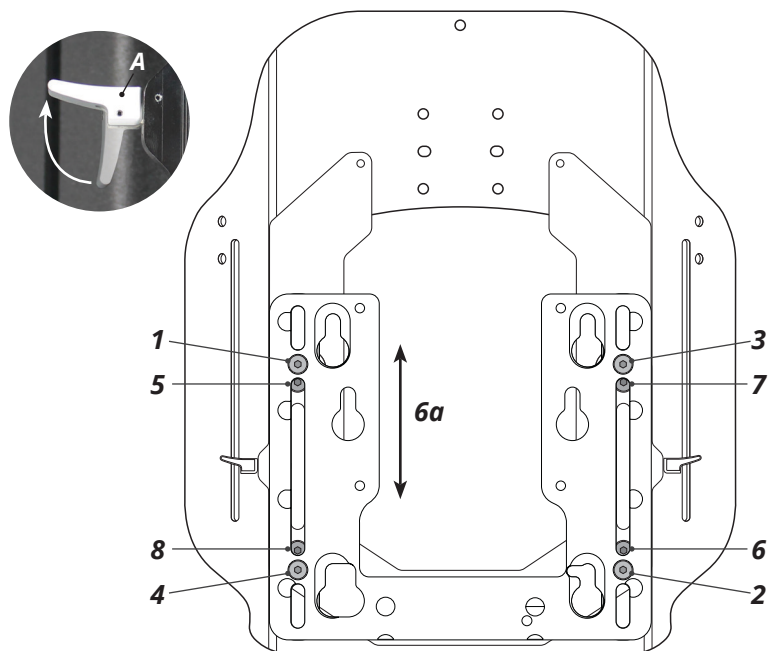


### To check track alignment:

- 6a** With both release levers (A) in the open position, slide the male tracks into the female tracks of the hardware assembly. It should slide up and down easily.
- 7a** If the hardware assembly does not slide easily, locate the eight screws on the rear face of the track assembly. Gently loosen all eight screws.
- 8a** Tighten screws 1 through 8 in the order shown.

Repeat steps until the assembly slides easily, and then continue with the installation instructions on the next two pages.

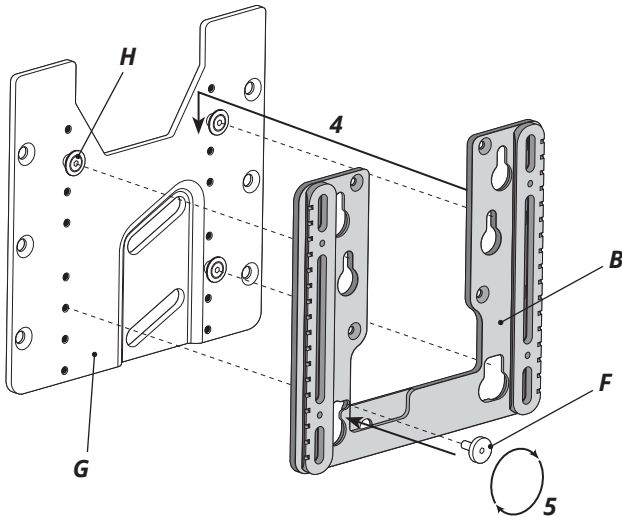
*If needed, see the instructions on cleaning and lubricating track pieces, see "Cleaning and Alignment - Tracks" in this manual.*



## Installation - Quantum, Permobil and Rovi

### Installing the base mounting plate to the different brands of wheelchairs.

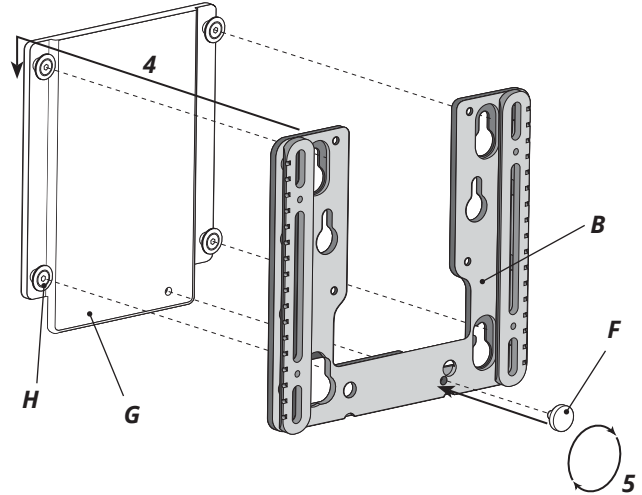
**Quantum** (Tools are not required for installation.)



- 3 Remove the threaded knob (F) from the base mounting plate (G).
- 4 Line up the three pegs (H) with the mounting bracket (B) and slide it down on the pegs.
- 5 Insert the threaded knob (F) and tighten to secure.

Continue with "Installation - Back Support Assembly," step 7.

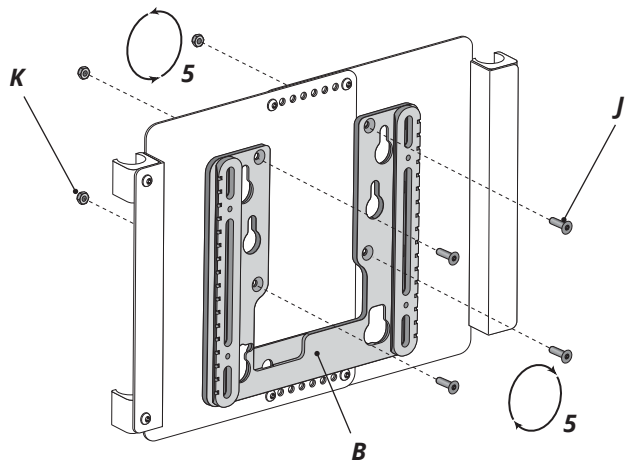
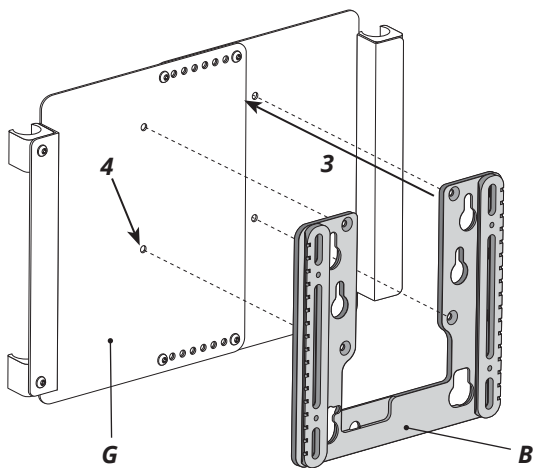
**Permobil** (Tools are not required for installation.)



- 3 Remove the threaded knob (F) from the base mounting plate (G).
- 4 Line up the four pegs (H) with the mounting bracket (B) and slide it down on the pegs.
- 5 Insert the threaded knob (F) and tighten to secure.

Continue with "Installation - Back Support Assembly," step 7.

**Rovi** - (10mm wrench and drill with 1/4" drill bit are required for installation. Hex key is provided.)



Note: A Recessed Planar Interface Plate must already be installed on the wheelchair and will be referred to as a "base mounting plate" in these instructions.

If needed, refer to the instructions provided with wheelchair for installation of the Recessed Planar Interface Plate.

- 3 Line up the back support against the base mounting plate (G) where desired, and mark the location of the four countersunk holes on the mounting bracket (B).
- 4 Ensure that the holes are level, and then drill four 1/4" holes in the base mounting plate (G) where marked.
- 5 Use the provided longer flat head screws (J) and the lock nuts (K), and fasten securely with the hex key and the 10mm wrench.

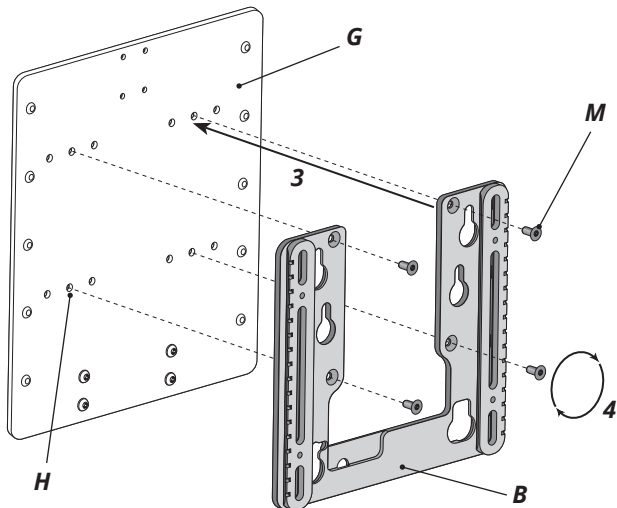
Continue with "Installation - Back Support Assembly," step 7.



## Installation - Quickie

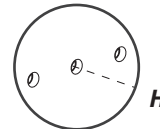
### Installing the base mounting plate to the wheelchair.

**Quickie** - (The provided hex key is required for installation.)



- Align the four countersunk holes on the mounting bracket (B) with the threaded holes (H) on the base mounting plate (G), as shown.

*Note: Only the center threaded holes (H) on the base mounting plate (G) will correctly align with the mounting bracket (B).*



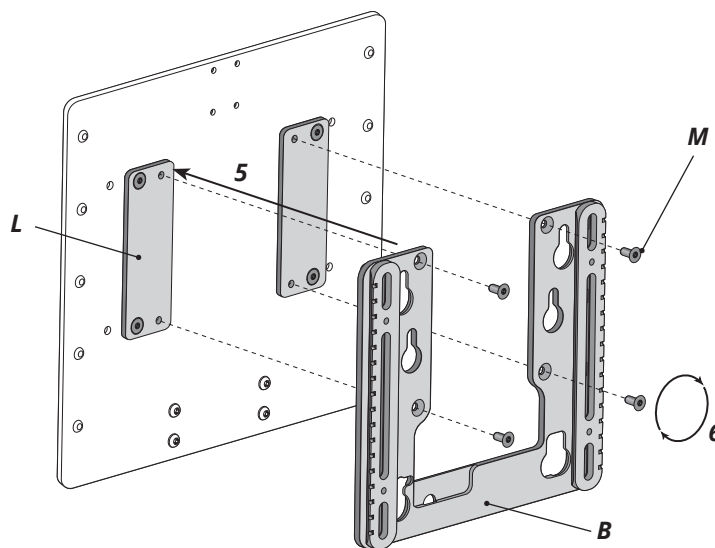
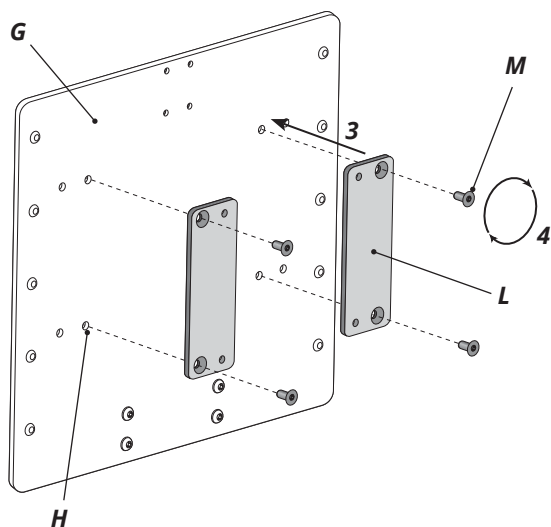
- Use the provided 12mm flat head screws (M), and fasten securely with the hex key.

Continue with "Installation - Back Support Assembly," step 7.

**Quickie 20W and up** - (The provided hex key is required for installation.)

\*Note: Quickie Wide Adapter Plates use an additional 1/4" (6.4mm) of seat depth.

Contact Customer Support for Quickie Wide Adapter Plate and fasteners, if needed.



- Align the two countersunk holes on each of the adapter plates (L) with the inside threaded holes (H) on the base mounting plate (G), as shown.

- Attach, using the four 12mm flat head screws (M) and the hex key.

*Note: The threaded holes on the adapter plates should face in toward each other.*

- Align the four countersunk holes on the mounting bracket (B) with the threaded holes on the adapter plates (L), as shown.

- Use the four additional 12mm flat head screws (M), and fasten securely with the hex key.

Continue with "Installation - Back Support Assembly," step 7.

## Installation - Back Support Assembly

### Installing the back support assembly.

**WARNING:** DO NOT allow wires or other components to run through the support/hardware system at any time.

- 7 From behind the wheelchair, hold the back support and hardware assembly on each side at the release levers (A) with the release levers in the open position, as shown at right.

*Note: Holding the back support this way allows it to be lowered evenly for better alignment.*

- 8 Line up the female tracks (P) with the male tracks (not shown) on the mounting bracket installed on the wheelchair, and slide the assembly down.
- 9 Once the back support is close to the desired position, lower the release levers until they click and are completely engaged.

**IMPORTANT!** If a lever is not fully engaged (shown in the center image below), move the back support assembly slightly up or down until the lever clicks into place and is completely engaged (shown in the right-hand image below).

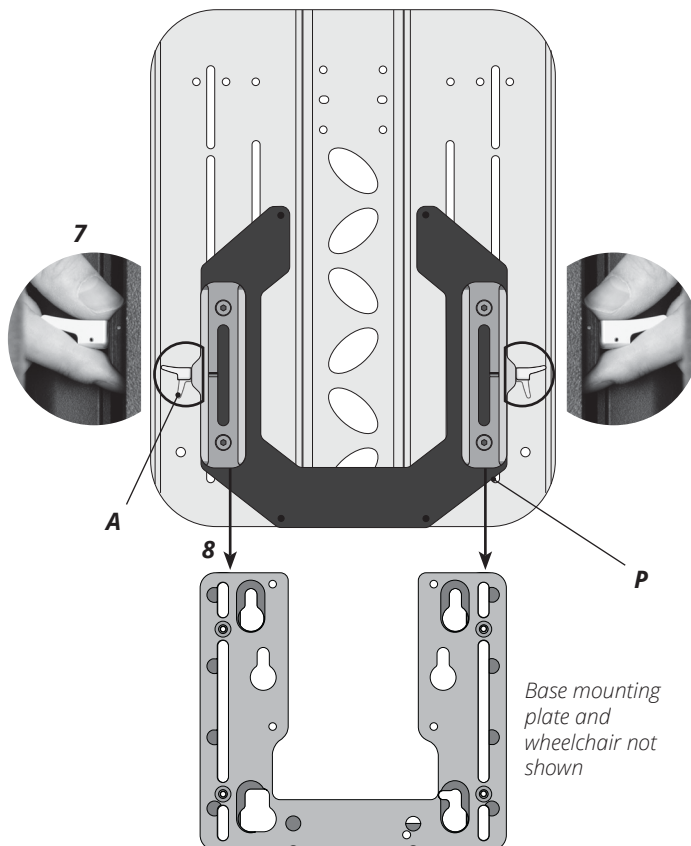


Not fully engaged



Completely engaged

ACTA-EMBRACE without the cover shown (rear view)



If the tracks appear to be misaligned or if binding occurs, see "Cleaning and Alignment - Tracks" in this manual.

### Setting the back support height.

*Note: Each wheelchair manufacturer has a suggested "back gap" for setting the height of the back support on the wheelchair. Refer to the height recommendations and then evaluate the patient needs to set a final back support height.*

*Note: The patient may be seated during step 10.*

- 10 Flip the release levers open and then slide the back support up or down to the desired height. Close the levers. Before continuing, check the full range of articulation on the wheelchair. See the warning below.

**WARNING:** To prevent injury or damage, the full range of articulation on the wheelchair MUST be checked for any possible interference or unwanted movement of seating components.

- 11 To lock the release levers in the closed position: Using the hex key, turn the set screw on the release levers until it makes contact.



**CAUTION:** DO NOT remove the set screw. When the release levers are not locked, make sure the set screw is flush with the release lever surface.

### Recommended Back Gap

The Back Gap is the manufacturer-recommended dimension from the seat base to the bottom edge of the back support.

For more information, see "Compatibility and Height" in this manual.

Wheelchair Model	Recommended Back Gap
Quantum without recline	3" (7.6 cm)
Quantum with recline	7" (17.8 cm)
Quickie	7" (17.8 cm)
Permobil	6" (15.2 cm)
Rovi Recline System	6" (15.2 cm)
Rovi Tilt System	4" (10.2 cm)

## Back Support Adjustments

Using the adjustable support features on Acta-Series back supports. All support systems can be adjusted for changes in condition at any time.

**Using Moldable Stays on all ACTA-BACK and ACTA-EMBRACE back supports:**



Rear view, showing Moldable Stay pockets (ACTA-BACK shell)



Examples of how Moldable Stays can be shaped.

**WARNING:** The bottom edge of the Moldable Stays MUST reach the bottom of the pocket and MUST rest against the back support shell. If they do not, they may push through the back shell opening and will NOT provide the intended support.

1 With the user seated, identify the gaps between them and the back support or areas that require positioning.

*Suggestion: Use the moldable stays in an offset placement to accommodate for rotation.*

2 Unzip the top of the cover and remove the moldable stays from the inner pockets.

3 Shape the moldable stays with your hands or with a firm surface. Note that the black end is in the bottom when shaping.

4 Insert the moldable stays in the pockets that are appropriate for the shape desired. Have the user rest against the back support.

5 Repeat the process as needed to achieve the desired goals.

*Suggestion: The Moldable Stays can be adjusted regularly, as needed, when conditions or positioning needs change.*

**Using the BOA Closure System on ACTA-Relief Back Supports:**

1 With the user seated, pull the reel to release tension.

*Suggestion: Pop the BOA reels open from the side like a bottle opener, using an index finger hooked under the reel while the thumb pushes on the top of the opposite side of the reel.*

2 Let the user sink into the back support so the cables form around them, and then push in the reel to engage the system.

3 Turn each reel until the desired shape is achieved. The cables will pull with even tension and conform to the user's shape.

4 Repeat the process as needed to achieve the desired goals.

*Suggestion: Adjust regularly, as needed, when conditions or positioning needs change.*

*ACTA-Relief Setup: Ideally, the lowest BOA cable should be located at the user's pelvis. The second cable from the bottom should support the lumbar region. The top one or two cables (whichever is applicable) can then be adjusted to the user's needs and comfort.*

**Adjusting wings on ACTA-EMBRACE back supports:**

Please contact Customer Support for additional wings, if needed.



Front view ACTA-EMBRACE shell



Flipped wing orientation

*Note: The user will need to transfer out of the wheelchair before this adjustment is made.*

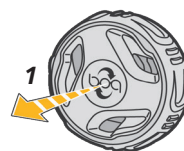
1 When using Compass Power Mount Hardware, wings are attached to the anterior side of the shell. To access the wing fasteners, remove the cover from the back support.

2 Loosen the fasteners to make height and medial-lateral adjustments or to rotate the wings.

*Note: Lateral trunk supports are attached to the wings and provide additional adjustments.*

3 Additional slots are available on most ACTA-EMBRACE shells for greater range of adjustment or for offset positioning. As needed, remove the fasteners and move the wings to the desired slot.

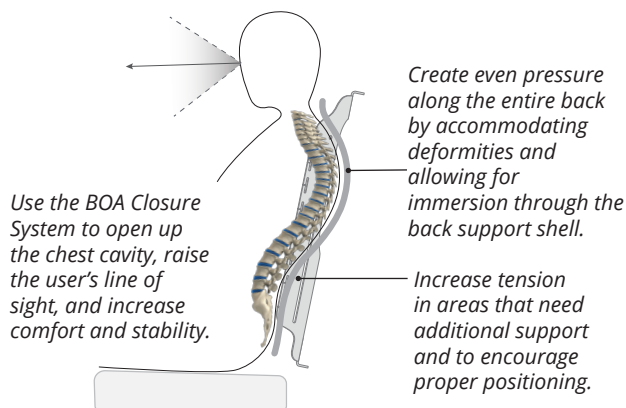
*Suggestion: Use wings in the flipped orientation by removing the fasteners and moving them to the opposite sides of the shell. Additional wings may be added to achieve a 3-point lateral support. Mix and match wing sizes as desired.*



PULL to release.



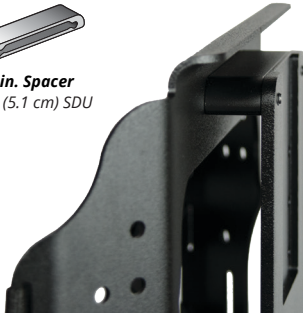
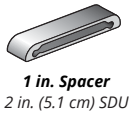
PUSH to engage.  
TURN to tighten.



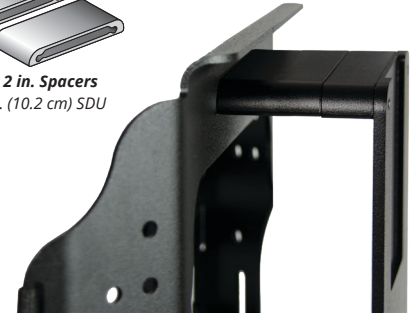
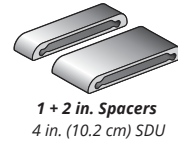
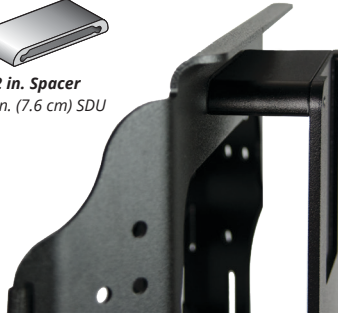
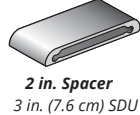
## Assembly - ACTA-Relief Shell Spacers

For ACTA-Relief and For ACTA-Relief LTS. Compass Power Mount Hardware requires a certain cover style for the back support. If converting a back support from manual wheelchair hardware to Compass Power Mount Hardware, contact Customer Support for the correct cover.

SDU = Seat Depth Used



Standard ACTA-Relief configuration

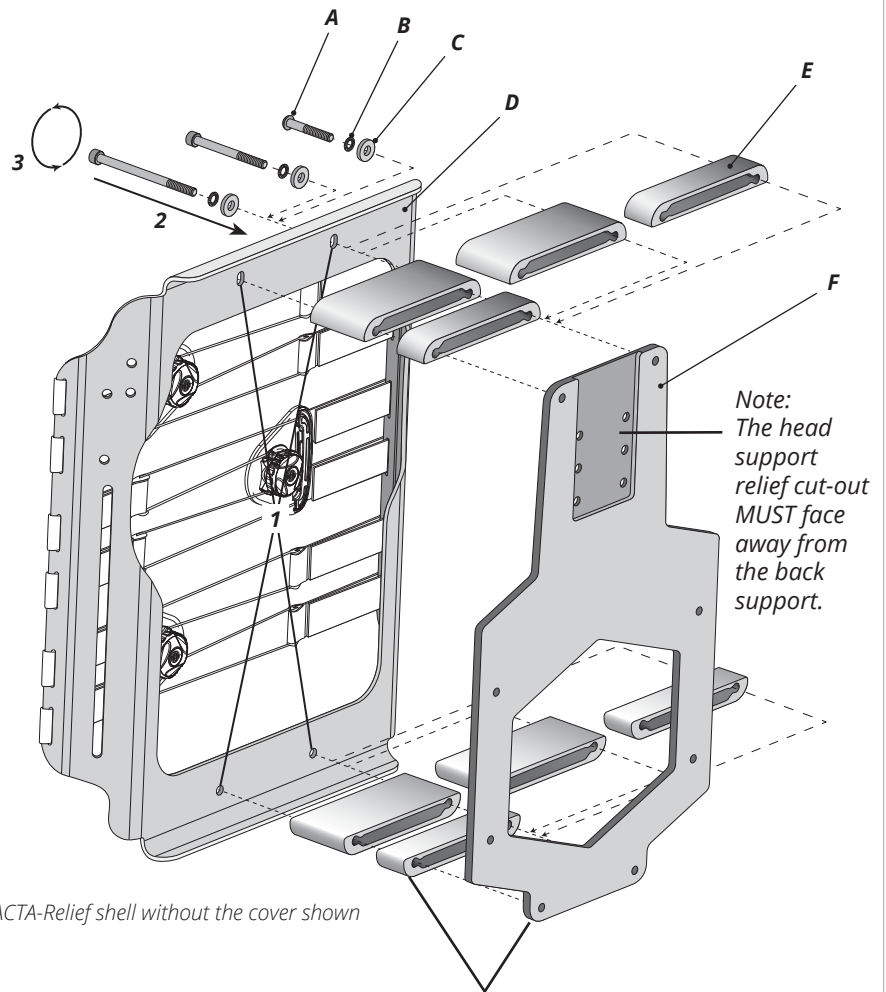


### Attaching the shell bracket and spacers to the back support:

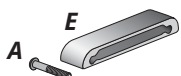
- 1 Remove the cover from the back support and locate the four holes on the shell (D) for attaching the power mount hardware. If already assembled, unscrew the four bolts (A) to use as alternate spacers.
- 2 Line up the bolt (A), the safety washer (B), the flat washer (C), the back support shell (D), and the spacer (E) with the shell bracket (F).

*Note: The bolt (A) and the spacer (E) will vary, depending on the desired configuration. Use the longer bolts with deeper spacers.*

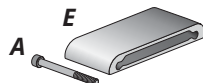
- 3 Lightly fasten and continue with the other three holes using the hex key. After all points are attached, tighten securely.
- 4 Replace the cover on the back support.



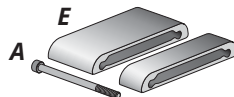
ACTA-Relief shell without the cover shown



40 mm button head bolt (A)  
1 inch shell spacer (E)



65 mm socket head bolt (A)  
2 inch shell spacer (E)



90 mm socket head bolt (A)  
1 and 2 inch shell spacers (E)

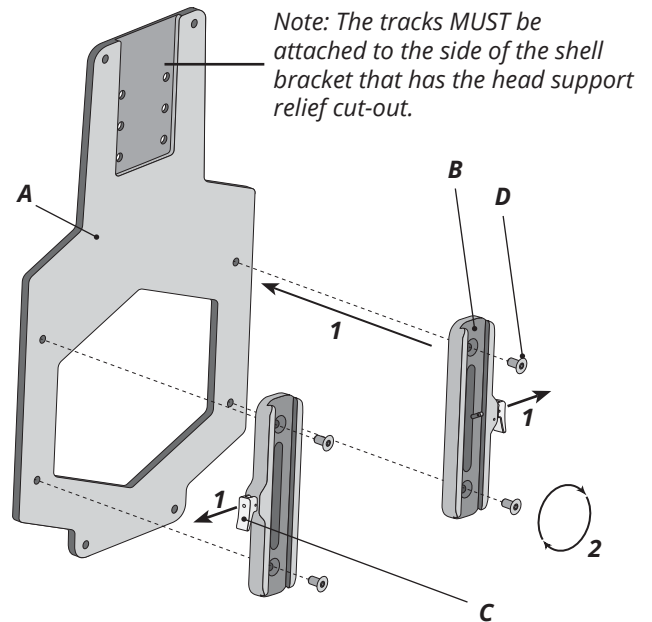
## Assembly - ACTA-Relief Shell Bracket and Track Spacer

For ACTA-Relief and ACTA-Relief LTS. Track spacers for Compass Power Mount Hardware are to be used on ACTA-Relief only when using a head support and when additional clearance is needed. Refer to the instructions provided with the head support for installation of the head support and hardware.

### Attaching the female tracks to the shell bracket:

- 1 Line up the holes on the shell bracket (A) with the female track (B). Make sure that the release levers (C) point out and away from each other.
- 2 Fasten securely, using the screws (D). Make sure that the screws are evenly tightened for correct alignment.

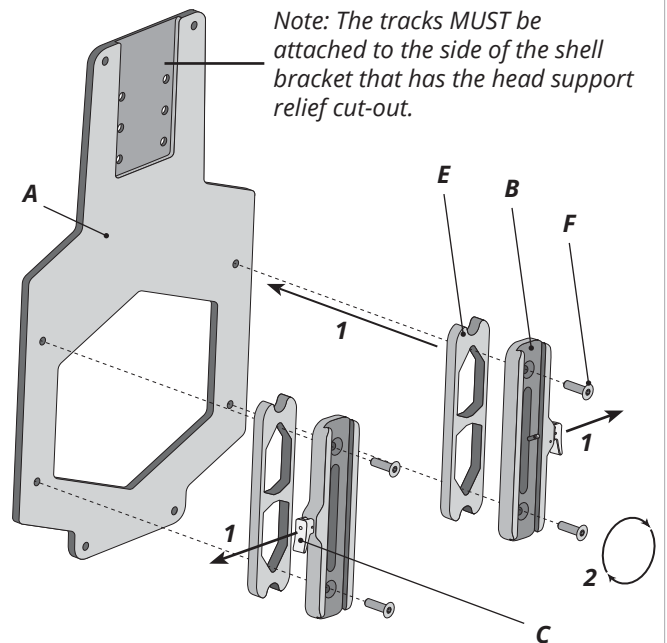
**WARNING:** After installation is complete, check for alignment with the mounting bracket. See "Cleaning and Alignment - Tracks" in this manual.



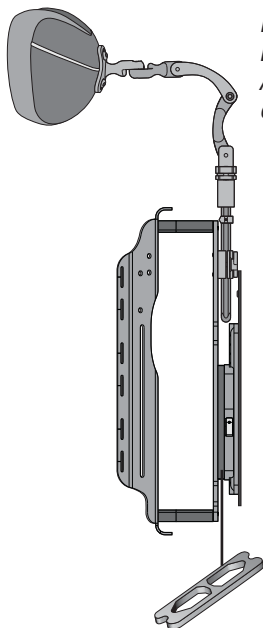
### \*Adding track spacers to the shell bracket:

- 1 Line up the holes on the shell bracket (A) with the track spacer (E) and the female track (B). Make sure that the release levers (C) point out and away from each other.
- 2 Fasten securely, using the alternate flat head screws (F) provided. Make sure that the screws are evenly tightened for correct alignment.

**WARNING:** After installation is complete, check for alignment with the mounting bracket. See "Cleaning and Alignment - Tracks" in this manual.



ACTA-Relief with BodiLink Head Support



*If using a head support, track spacers\* may be required for clearance. All parts, fasteners, and tools required to adjust spacing are provided.*

### Possible spacer configurations:

Track spacers use .356" (9 mm) of seat depth

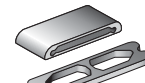
SDU = Total Seat Depth Used

2.356 in. (6.0 cm) SDU



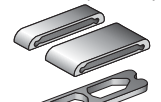
1 in. Spacer + Track Spacer

2.356 in. (6.0 cm) SDU



2 in. Spacer + Track Spacer

2.356 in. (6.0 cm) SDU



1 and 2 in. Spacers + Track Spacer

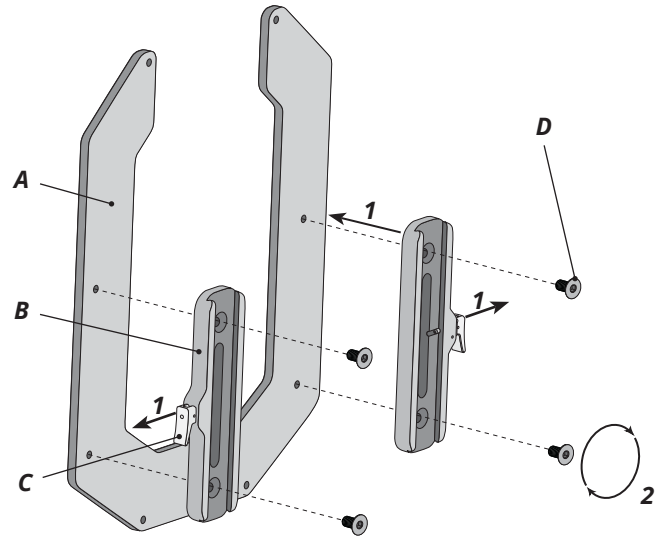
## Assembly - ACTA-BACK and ACTA-EMBRACE Shell Bracket

Follow these instructions only if the hardware is not already assembled and attached to the back support. Compass Power Mount Hardware requires a specific cover style for the back support. If converting a back support from manual wheelchair hardware to Compass Power Mount Hardware, contact Customer Support for the correct cover.

### Attaching the female tracks to the shell bracket:

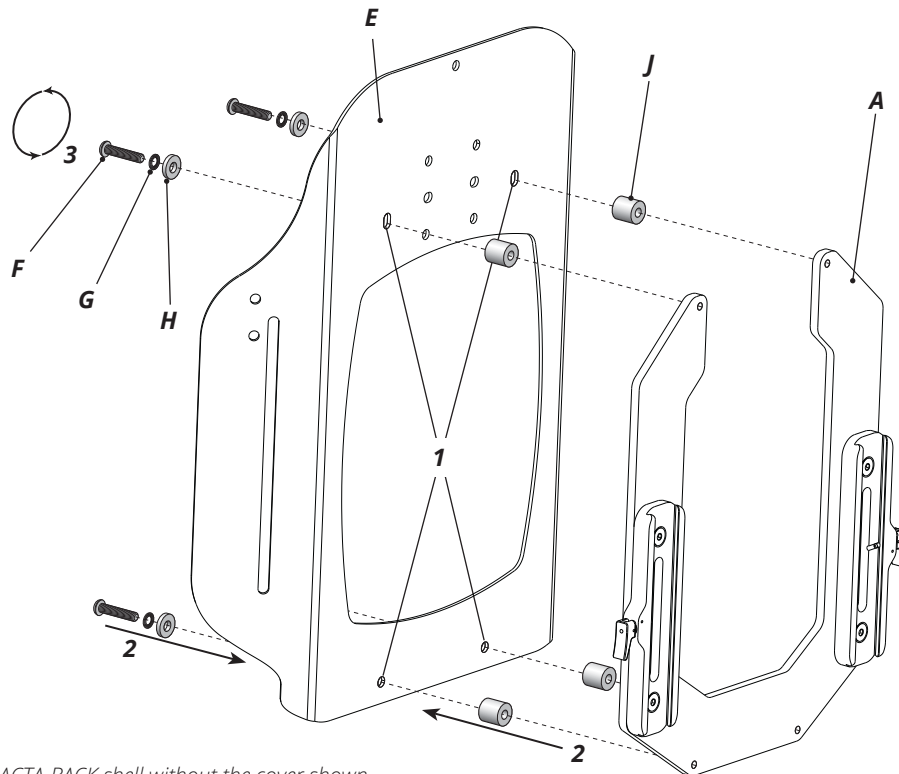
- 1 Line up the holes on the shell bracket (A) with the female track (B). Make sure that the release levers (C) point out and away from each other.
- 2 Fasten securely, using the screws (D). Make sure that the screws are evenly tightened for correct alignment.

**⚠ WARNING:** After installation is complete, check for alignment with the mounting bracket. See "Cleaning and Alignment - Tracks" in this manual.

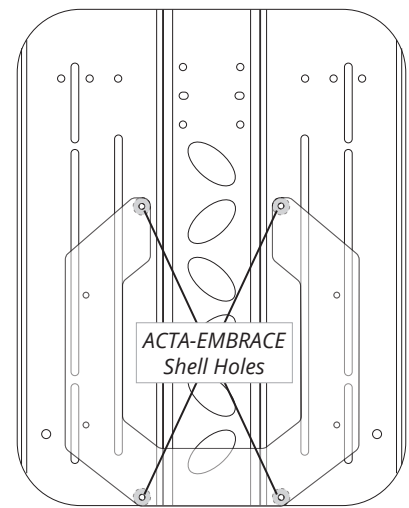


### Attaching the shell bracket to the back support:

- 1 Remove the cover and locate the four holes on the back support shell (E) for attaching the power mount hardware.  
*Note: On ACTA-BACK and ACTA-EMBRACE shells, the two bottom holes are round and the two top holes are oblong.*
- 2 Line up the bolt (F), the safety washer (G), the flat washer (H), the back support shell (E), and the spacer (J) with the shell bracket (A).
- 3 Lightly fasten, using the hex key, and continue with the other three holes. After attaching at all points, tighten securely.



ACTA-BACK shell without the cover shown



Rear view ACTA-EMBRACE shell

## Assembly - Tru-Shape Shell Bracket

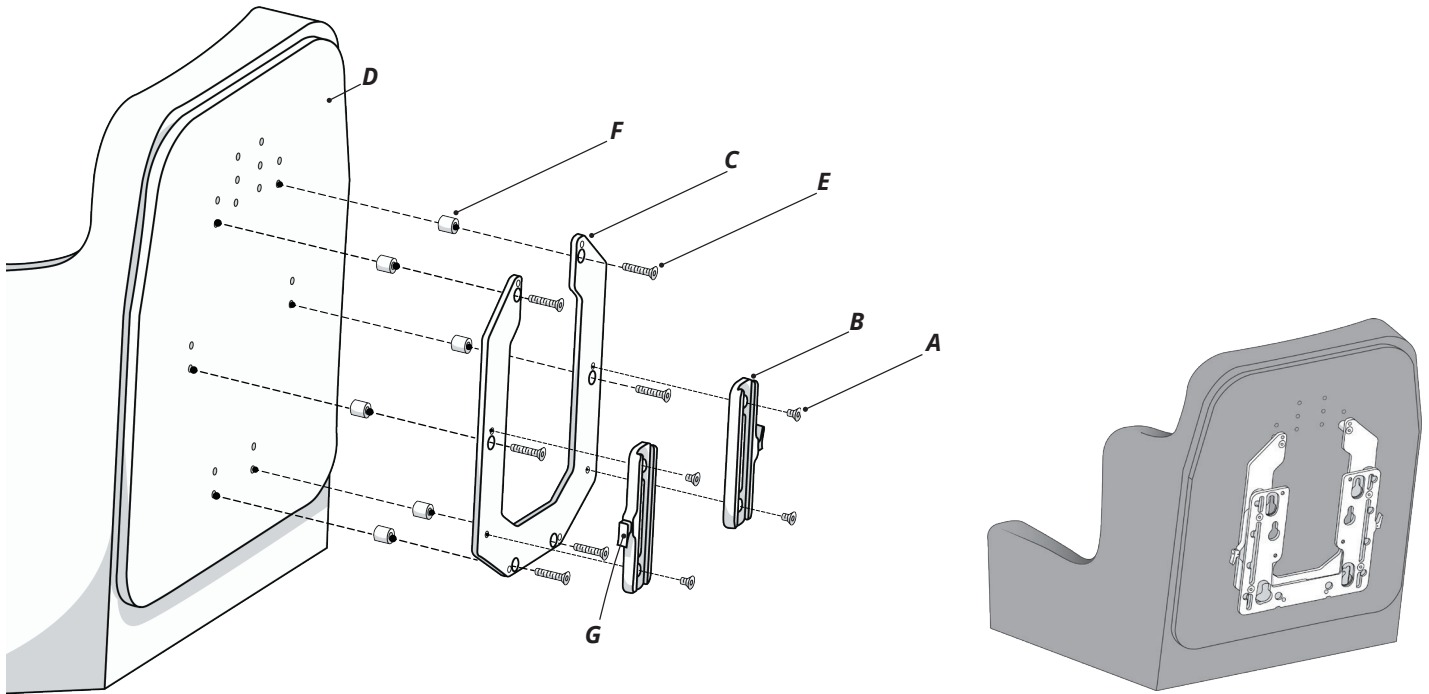
The hardware may already be attached to the back support. Follow these instructions if the hardware is not already attached to the back support or if reattachment is required.

### Notes about installation:

- The Tru-Shape back support wood plate includes multiple sets of T-nut patterns. It may be necessary to use different T-nuts, depending on the back height of the Tru-Shape (especially on Quickie chairs). After installation, confirm that sufficient back adjustment in the track assembly is available.
- The shell bracket for Tru-Shape is available in two sizes. The small shell bracket uses four screws; the large shell bracket uses six screws. The required screws are provided.

- 1 Remove the female tracks (B): On each side, remove the two screws (A) that attach the female track (B) to the shell bracket (C).
- 2 Attach the shell bracket to the back support wood plate (D):
  - a. Locate the countersunk holes (four or six) on the shell bracket (C).
  - b. Line up the screw (E), the shell bracket (C), and the spacer (F) with the back support wood plate (D).
  - c. Use the hex key to lightly fasten all screws. After all screws are engaged, tighten securely.
- 3 Attach the female tracks to the shell bracket (C):
  - a. On both sides: Line up the holes on the shell bracket (C) with the female track (B). Make sure that the release levers (G) point out and away from each other.
  - b. Using the screws (A), attach the female tracks to the shell bracket. Make sure that the screws are evenly tightened for correct alignment.

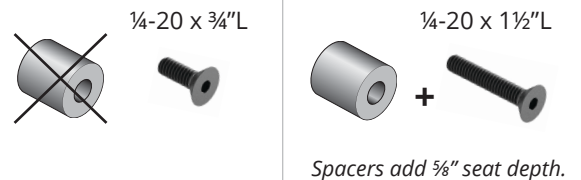
**WARNING:** After installation is complete, check for alignment with the mounting bracket. See "Cleaning and Alignment - Tracks" in this manual.



### Removing Spacers for Additional Seat Depth:

If additional seat depth is needed, attach the hardware to the Tru-Shape Back without using the spacers. Use the  $\frac{3}{4}$ " flathead screws instead of the  $1\frac{1}{2}$ " flathead screws.

**WARNING:** Removing the spacers from the attachment assembly may result in interference, which may jeopardize effectiveness and user safety and cause damage. Before use, check for component / wheelchair interference.



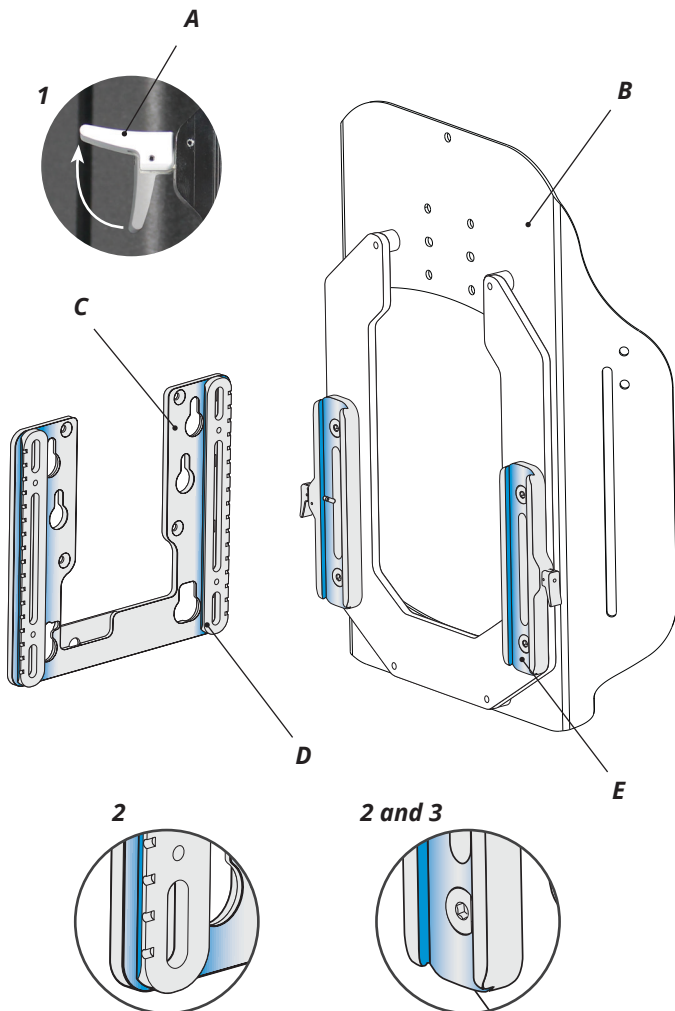
## Cleaning and Alignment - Tracks

Frequent sliding of the track pieces may cause wear and binding and may require cleaning and lubrication. Follow the track alignment instructions when track pieces are assembled, altered, or appear to be binding.

### Cleaning and lubricating tracks:

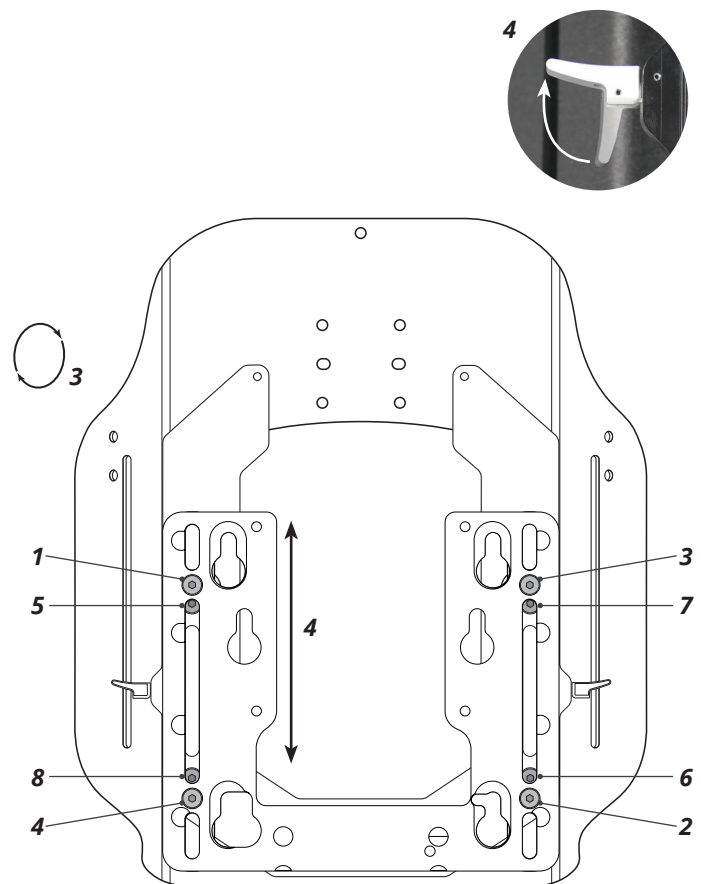
*Note: The following may be completed with the hardware mounting bracket installed on the wheelchair.*

- 1 Open the release levers (A) and slide the back support (B) apart from the mounting bracket (C), as shown below.
- 2 Use a clean, dry, cloth to wipe away debris along the outside of the male tracks (D) and the inside female tracks (E).
- 3 Using a cloth or cotton swab, apply a light lubricant to the inside edges of the female tracks (E).
- 4 Slide the mounting bracket (C) and the back support assembly (B) together, and run both tracks together the full length, allowing the lubricant to spread.
- 5 Reset the back support height and close the release levers (A).



### Track alignment:

- 1 Start with the back support and hardware assembly removed from the wheelchair.
- 2 From the rear face of the hardware, gently loosen the eight screws in the track assembly.
- 3 For the best results, tighten the screws 1 through 8 in the order shown below.
- 4 To check for track alignment: With the release levers in the open position, slide the tracks up and down.
- 5 Repeat steps 2-4 if needed until the assembly slides easily.
- 6 Install the hardware on the wheelchair. See "Installation - Pre-assembled" in this manual.




ACTA-BACK shell without the cover shown



## Cleaning

### WARNINGS:

- Follow all manufacturer bleach container and germicidal disinfectant safety guidelines.
- Before transferring to a new user, the product must be completely cleaned and disinfected.
- Periodically, check the cover and components for damage and wear, and replace if necessary. Some wear with regular use is expected.

 **CAUTION:** Frequent heat drying and bleaching will cause fabric to break down. Air drying and cleaning without bleach are recommended whenever possible to help extend the life of the cover.

### SURFACE CLEANING AND DISINFECTING COMFORT-TEK FABRIC ONLY

Spray with common household or commercial antibacterial cleansers or disinfectants. Wipe with a damp, water-only cloth after disinfecting. Let dry completely before use.

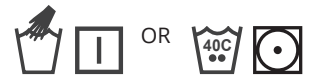


### CLEANING AND DISINFECTING ALL FABRICS

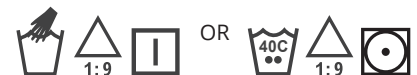
#### CAUTIONS:

- Remove hook fastener pieces from the cover before cleaning and disinfecting. Hook fasteners may snag the fabric, causing changes in the appearance (but not the effectiveness) of the fabric.
- Before cleaning or disinfecting, remove the cover from the support pad and hardware (including foam and moldable stays if applicable).


**Cleaning - All Fabrics:** When possible, hand wash in warm water with mild soap, rinse thoroughly with clean water, and air dry (let dry completely before use). Or machine wash using common laundry detergent and tumble dry low. DO NOT steam clean or autoclave. DO NOT iron.




**Disinfecting - All Fabrics: Follow the cleaning instructions.** Hand wash in warm water, using 1 part household liquid bleach per 9 parts warm 40°C/104°F water. Rinse thoroughly with clean water. Let dry completely before use. Or machine wash in hot water and bleach. Tumble dry low.



### SUPPORT FOAM

 **WARNINGS:** DO NOT use contaminated foam with multiple users. Disinfectants are NOT effective on porous surfaces such as foam. Replacement foam components may be purchased separately.


 **CAUTIONS:** DO NOT submerge the foam in any liquid, including water. The foam should not be exposed to light for any extended period of time. Light will cause discoloration of the foam.

*Note: Discoloration will not affect the functional features. There is no need to attempt to "clean" discoloration caused by light exposure.*

Soiled foams should be replaced. Remove the cover. Wipe lightly with a damp cloth. DO NOT use soap. Let dry completely before replacing the cover.



### CLEANING AND DISINFECTING HARDWARE

 **CAUTION:** Before cleaning or disinfecting, remove the cover support pad from the hardware.











**Cleaning:** Hand wash in warm (40°C/104°F) water with soap and a sponge. Rinse with clean water and wipe dry with a clean cloth. Dry completely before use.



**Disinfecting:** Wipe gently with a cloth dampened with a household disinfectant. Rinse with clean, warm water. Wipe dry with a clean cloth. Dry completely before use.



### Care Symbols

 Wipe with a damp cloth.	 Hand wash.	 Dry flat.	 Line dry.
 Hand wash warm.	 Tumble dry low.	 Do not tumble dry.	 Bleach (1 part bleach: 9 parts water).
 Machine wash warm, normal.	 Machine wash hot, normal, at the temperature shown.		

## Maintenance

### Inspection

Inspect all components of the equipment weekly.

Check and tighten all fasteners and adjustment points.

Inspect all materials for wear such as stretching, fraying, fractures, and bends. Some wear with regular use is expected.

Components that show excessive wear should be replaced. For information on replacements, refer to the "Warranty" section in this manual.

### Reuse

You must re-fit the support to the new user or after extended periods of non-use by the same user. Refer to the adjustment and use instructions in this manual.

Before transferring to a new user, the product must be completely cleaned and disinfected. Refer to the cleaning and disinfecting instructions in this manual.



**WARNING:** The Tru-Shape back support is designed for use by one person only. Re-use is NOT permitted.

### Storage

Assembly or individual parts should not be stored in extreme hot or cold temperatures. Only store in a clean and dry place at room temperature.

Do not allow exposure to direct sunlight for prolonged periods of time. This could age the product more rapidly and decrease its effectiveness.

Do not store where there is risk of open flame or spark.

### Disposal

Dispose of the product and/or components in accordance with the applicable regulations in your jurisdiction.



**CAUTION!** DO NOT INCINERATE as a means of disposal.

### Replacement Parts

Contact Customer Support for information on replacement or individual parts available. Appropriate tools and fasteners will be provided with extra and replacement parts.

## Warranty

This product is covered by the *Permobil Lifetime Guarantee*. If a manufacturing defect should occur, discontinue use immediately.

If a manufacturing defect should occur, the product will be replaced at no cost to the buyer. Register your product at [permobil.com](http://permobil.com) to activate the Lifetime Guarantee.

Wear from regular use is not considered a manufacturing defect. Replacement parts are available by contacting your supplier, distributor, or retailer.

Any alterations made to the product or defects caused by irregular use voids the warranty. Compatibility with the product is only guaranteed with the Permobil products listed in this manual. Modifications in attempt to interface with any other products voids the warranty.

### Warranty Replacement Procedure

Warranty claims should be filed by the original purchaser. End-users will need to contact the DME Supplier, Distributor or Retailer from whom the product was purchased. In the event the original dealer is not available, any authorized Permobil DME supplier, distributor or retailer will provide assistance.

DME suppliers, distributors or retailers with warranty issues will need to contact Customer Support by phone or email and provide the original purchase order number, sales order number, or invoice number whenever possible. A Return Merchandise Authorization (RMA) will be issued by Customer Support so a warranty replacement order or quote can be processed.