

ENGLISH



Owner's Handbook:

Ride® Custom Back Support



Ride Designs®
a branch of Aspen Seating, LLC

8100 SouthPark Way, C400
Littleton, Colorado 80120 USA

toll-free (U.S. Only): 866.781.1633
phone: 303.781.1633
www.ridedesigns.com

Supplier: This manual must be transferred to the end user of this product as it contains important information for proper use of this product.

User: Carefully read this entire manual prior to using this product and keep for future reference.

Intended Use and Installation Instructions

Intended Use

Your Ride® Custom Back Support has been carefully constructed to meet your unique posture and skin integrity needs and has been designed to be mounted to multiple wheelchair styles and sizes to aid in supporting and positioning of wheelchair users.

Weight Capacity

Maximum client weight capacity is 250 pounds (113kg) for Ride Custom Backs attached to wheelchair using one FlexLoc® mounting hardware kit. Maximum client weight capacity is 300 pounds (136kg) for Ride Custom Backs attached to wheelchair using two FlexLoc mounting hardware kits.

General Product Safety

Safe application of this product depends upon your good judgment and common sense, as well as that of your provider, caregiver, and/or healthcare professional, and your attentiveness in following the warnings, cautions, notes, and instructions in this manual.

NOTE: We have compiled this manual from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products might cause slight variations between the illustrations and explanations in this manual and the product you have purchased. Always contact your nearest authorized Ride Designs supplier or distributor for the latest literature and information.

⚠ **WARNING:** Failure to heed these instructions could result in damage to the product or injury to the user

⚠  Please read this instruction manual before using this product.

⚠ This product should be installed and fitted by a qualified and competent healthcare professional. Failure to accurately assess and adjust the fit of the Ride Custom Back Support could result in injury to the user.

⚠ All Ride Designs support surfaces are designed to help reduce the incidence of pressure sores. However, no back support can completely eliminate sitting pressure or prevent pressure sores. The Ride Custom Back support is not a substitute for good skin care including proper diet, cleanliness, and regular pressure relief techniques.

⚠ Installation of any back rest on your wheelchair might alter your center of gravity within the wheelchair. A recessed back position might cause the wheelchair to tip backwards, potentially resulting in injury. Always assess the need for anti-tippers or amputee axle adapter brackets to be added to your wheelchair to help increase stability. Similarly, a more forward back position might reduce the forward stability of the wheelchair, increasing risk of tipping forward, with potential for injury

⚠ Do not use your Ride Custom Back without the foam insert and cover in place.

⚠ Failure to properly place and secure the Ride Custom Back to your wheelchair might result in injury.

⚠ Do not lift the wheelchair by the Ride Custom Back.

Installation Instructions

⚠ Improper attachment of the Ride Custom Back to your wheelchair may result in serious injury. Your Ride Custom Back must be attached with Ride Designs approved interface hardware.

⚠ If your weight exceeds 250 pounds, or if your back height exceeds 28", or if you have severe extensor tone or spasticity, then two hardware sets are needed, one mounted in the lower third of the back height, the second in the upper third of the back height. Failure to double up on hardware mounting could lead to product failure and possibly severe injury.

⚠ If installing the Ride Custom Back onto anything other than round tubular wheelchair back canes, contact Ride Designs for alternative mounting options and instructions.

⚠ No one should be seated in the wheelchair during the initial hardware installation.

NOTE: Fastener torques not to exceed 75 in. - lbs. (8.5Nm) unless otherwise specified. If torque is specified for a piece of hardware, it is recommended that a torque meter (not included) should be used to ensure proper torque setting.

The FlexLoc Mounting Hardware

Intended for mounting of the Ride Custom Back onto wheelchair back canes, the FlexLoc hardware is adjustable through six axes. The FlexLoc safely secures the Ride Custom Back yet is removable by flipping two levers on the optional quick release pins. It is intended for use on any wheelchair with tubular back canes, but does not allow the chair to fold unless removed.

Adapter mounting plates are available for a variety of other wheelchair interfaces. Contact Ride Designs for information regarding mounting of FlexLoc on wheelchairs without tubular back canes.

Available Sizes

There are four sizes of FlexLoc mounting hardware available.

Part Number	Size	Fits Wheelchair Widths
FL-MS	Small	10" - 14"
FL-MM	Medium	15" - 18"
FL-ML	Large	19" - 21"
FL-MX	Extra Large	22" - 24"



FlexLoc Installation Instructions

For more complete instruction, refer to web-based instructions at www.ridedesigns.com.

⚠ WARNING: Improper attachment of the Ride Custom Back to your wheelchair may result in serious injury. Your Ride Custom Back must be attached with Ride Designs approved interface hardware and mounts.

I. Tools and Hardware

The following tools are included to install and adjust the FlexLoc hardware.

- 4mm allen wrench
- 10mm open end wrench
- 5/8" open end wrench
- 2.5mm allen wrench
- 2 clamp screws for 3/4" back canes

II. Installation

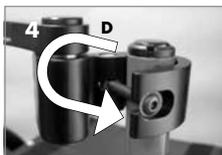
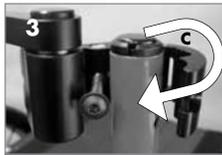
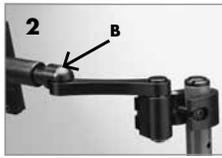
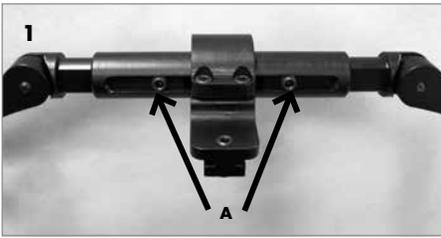
At left is a Ride Custom Back properly installed on wheelchair back canes with FlexLoc hardware.

NOTE: This picture depicts a typical installation of the standard fixed mount (non-removable) FlexLoc onto a wheelchair with conventional back canes. A quick release option (as shown in series of three images at left) is available for an upcharge through Ride Designs.

A variety of alternatives to this configuration are possible. Contact Ride Designs toll free at 866.781.1633 to explore solutions to your unique interface challenge.

NOTE: If Quick Release pin comes out of alignment, pin engagement can be adjusted.





Attach FlexLoc® hardware to wheelchair back canes

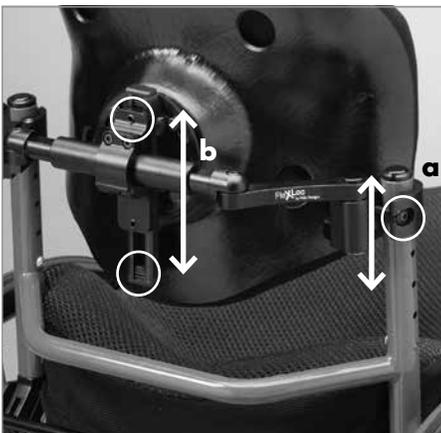
1. Loosen width adjustment set screws (A, Illustration 1) and pivot screws (B, Illustration 2) so that the FlexLoc hardware can be adjusted in width to match wheelchair width.
2. Swing clamp hinge (C, Illustration 3) around back cane.
3. Swing clamping screw (D, Illustration 4) into clamp hinge and gently tighten with 4mm allen wrench.

NOTE: The Decaf hardware comes preassembled with the correct clamping screw for 7/8" (2.2cm) and 1" (2.5cm) diameter tubing. If clamping to 3/4" (1.9cm) tubing, replace screws with shorter screws included with the hardware.

4. Repeat steps 2 and 3 on opposite side of wheelchair.
5. Gently snug all fasteners:

- Two clamp screws (D, Illustration 4)
- Two pivot screws (B, Illustration 2)
- Four back angle screws (E, Illustration 5)
- Two width adjustment set screws (A, Illustration 1)

You are now ready to adjust the hardware for back fitting.



Adjusting FlexLoc for back fit

1. Adjust back height.
 - a. Use the 4mm allen wrench to loosen clamp screws and slide FlexLoc up/down on back canes,
 - and/or
 - b. Use the 4mm allen wrench to loosen back height set screws and slide back up/down on track.



2. Adjust back angle.

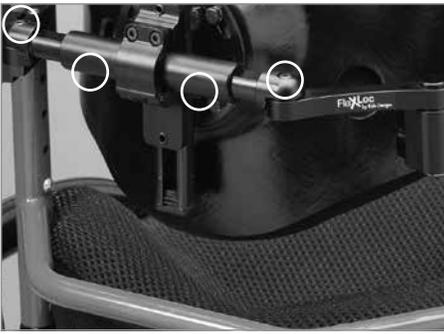
- a. Use the 4mm allen wrench to loosen back angle screws (4) and adjust back angle to desired orientation.
- b. Loosening of these screws also provides for lateral movement of center clamp along connecting tube for lateral adjustment of back support.



Lateral Position



Back Angle



3. Adjust seat depth and vertical rotation.

- a. Loosening of pivot screws and width adjustment set screws allows for seat depth and vertical rotation adjustment as shown.

NOTE: Pivot screws must be loosened sufficiently to separate teeth to allow movement.

⚠ CAUTION: Only loosen pivot screws until teeth are disengaged. If either pivot screw is backed off too much it will damage the retainer clip.



Seat Depth



Vertical Rotation



4. Adjust back rotation.

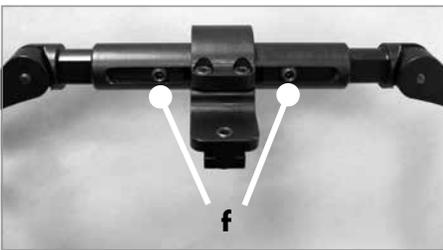
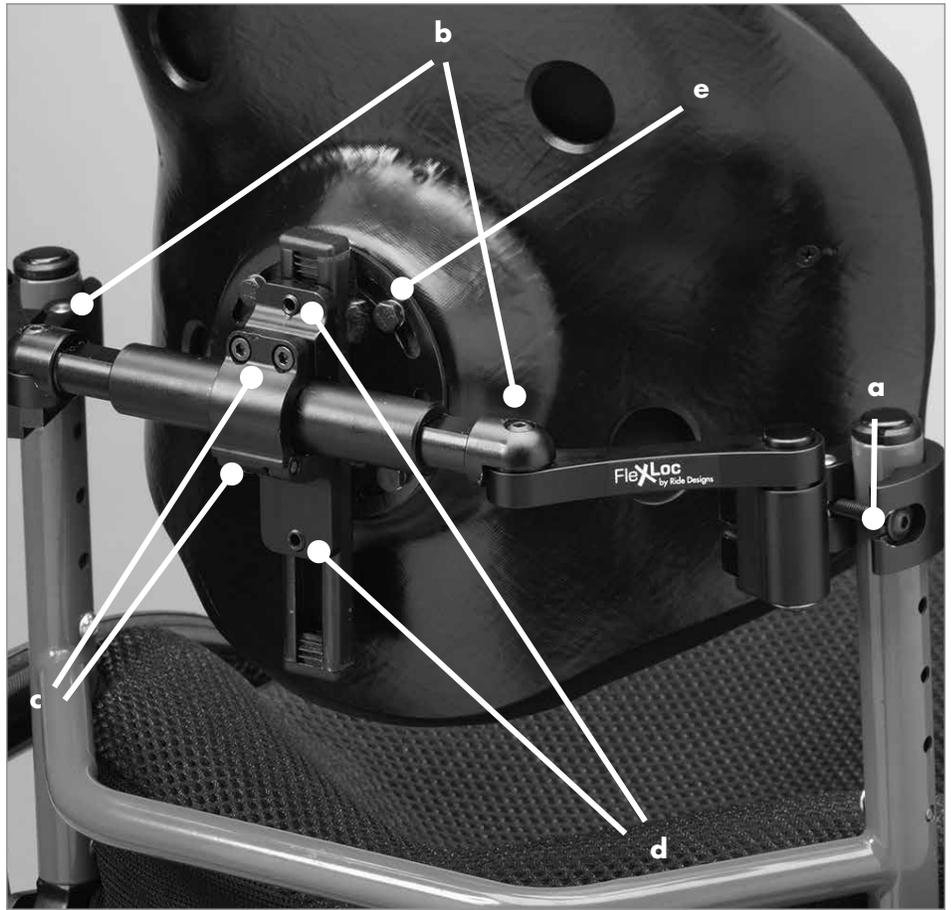
- a. Use the 10mm open end wrench to loosen four (4) back rotation bolts, and rotate back to desired orientation.

Once adjustments are completed, ensure all fasteners are securely tightened.

Visit www.ridedesigns.com for additional instructions.



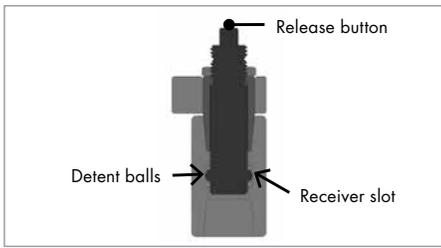
Back Rotation



5. Use the 4mm allen wrench to tighten all fasteners.

- a. Clamp screws (2)
- b. Pivot screws (2)
- c. Back angle screws (4)
- d. Back height set screws (3)
- e. Back rotation bolts, 10mm (4)
- f. Width adjustment set screws (2)

You are now ready to adjust the hardware for back fitting.



Quick Release Adjustment

Note: Only required if your Ride Custom Back is equipped with quick release hardware and pin comes out or requires adjustment.

1. Using a 2.5mm Allen wrench, loosen all three set screws and remove lever arm assembly (Illustration 1).
2. Using a 5/8" (16mm) open end wrench, loosen the hex nut (Illustration 2). Do not loosen nut past the groove in the pin.
3. Adjust pin by twisting pin a quarter turn at a time with a 7/16" (11mm) wrench until detent balls engage and disengage properly (Illustration 3).

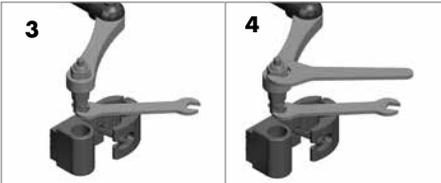
⚠ **WARNING:** Ensure pin with detent balls cannot be pulled out of receiver block without pressing the release button.

⚠ **WARNING:** Failure to adjust the quick release pin so that the detent balls fully engage in the receiver block slot could result in the backrest coming off of the wheelchair unintentionally, which could result in injury.

4. Once the pin has been adjusted properly, tighten the hex nut using the 5/8" (16mm) open end wrench while holding pin body with a 7/16" (11mm) wrench (Illustration 4).
5. Reinstall lever arm assembly using the 2.5mm allen wrench making sure the three set screws align with the groove in the pin (Illustration 5).

Once adjustments are completed, ensure all fasteners are securely tightened.

Visit www.ridedesigns.com for additional instructions.



Ensure all Fasteners are secure

Recheck all of the fasteners and tighten them securely.

Initial wearing schedule

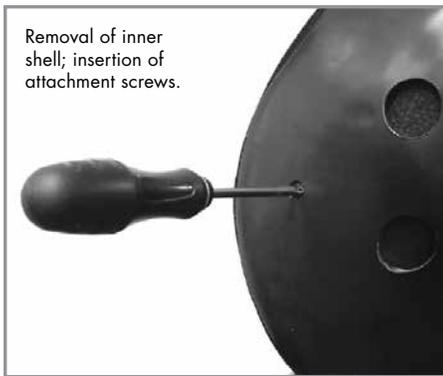
Prior to prolonged sitting, you should use your Ride Custom Back for a short period of time and visually check any area that contacts the back support. Any reddened area should fade within 10-30 minutes. Contact your doctor or therapist if redness persists for longer than 30 minutes. As long as skin inspections do not show red areas persisting more than 30 minutes, you are safe to continue use. Make a careful skin check at least daily, even after skin tolerance is established. Continue to perform routine intermittent pressure relief techniques (forward lean) as advised by your healthcare professional.

⚠ If any redness associated with the use of the Ride Custom Back persists for longer than 30 minutes, cease using and contact your therapist or doctor immediately.

Follow-up

We recommend you have your seated posture and skin integrity checked by your healthcare professional at least annually, or whenever you experience a change in your weight, posture, or general condition that could impact your ability to sit safely, comfortably, and functionally.

Retighten all of the fasteners regularly, and periodically check the hardware for security and wear.



Care and Maintenance of your Ride Custom Back

Cleaning the Ride Custom Back Cover

- Remove your Ride Custom Back inner support shell with foam insert and cover by removing the two Phillips head screws located on the sides of the back support as shown at left.
- Remove the cover from the foam and inner shell. Wash the cover in warm water (regular detergent/no bleach). Hang dry or tumble dry on low heat.
- Wipe inner foam surface with a damp cloth and mild disinfectant if needed.
- Replace cover over inner shell and foam insert. Ensure small holes in cover align such that the threaded inserts in the inner shell are exposed.
- Secure inner shell with foam insert and cover with the two screws previously removed.

Laundry Care Symbols

	Machine wash warm water (40° C)
	Do not bleach
	Drip dry
	Do not dry clean
	Do not iron

Cleaning the Ride Custom Back shell and hardware

Using a damp cloth or mild disinfectant, clean the shell, and mounting hardware as needed.

⚠ CAUTION: Do not clean your Ride Custom Back with isopropyl alcohol or any other chemical solvents.

Motor vehicle safety

⚠ RISK OF INJURY: The Ride Custom Back has NOT been dynamically tested for use in a motor vehicle. Do not rely on a Ride Custom Back for safe impact support in a motor vehicle. Serious injury or death could occur during a motor vehicle accident without proper Original Equipment Manufacturer (OEM) vehicle safety features being utilized.

1. Always transfer out of your Ride Custom Back and into Original Equipment Manufacturer vehicle seat and restraints for motor vehicle travel.

Maintenance

The Ride Custom Back and hardware should be routinely checked every 6 months minimum for loose, missing or damaged hardware and proper functionality. Inspect and tighten all hardware according to this manual. Contact your authorized Ride Designs supplier regarding any damaged or missing components.

⚠ Do NOT continue to use your product with any loose, missing or damaged components.

Product Life

The maximum intended usage of this product is four years.

Reuse

⚠ RISK OF INJURY: Consult an authorized Ride Designs dealer before transferring to another user. Do NOT use product if any damage is found.

Disposal

♻ Recycle components and materials per local, state, and national regulations.

Warranty Policy

Your Ride® Custom Back has been carefully handcrafted to meet your unique posture and skin integrity needs. This Limited Warranty is effective for 24 months from the date of delivery to the original purchaser. If any defect in material or workmanship is found, Ride Designs® will repair or replace the component, at our discretion. This limited warranty does not cover daily wear and tear or damage that is a result of mishandling, misuse, neglect, or not following the care and maintenance instructions.

Your back cover is under warranty for 90 days. The warranty includes damage due to workmanship, material defects or errors caused by the manufacturer. This warranty does not apply to cigarette burns, damage to the cover by sharp objects that may cause tears, or damage as a result of not following the washing instructions.

Claims and repairs should be processed through your nearest authorized Ride Designs rehab technology supplier. A copy of the Bill of Sale issued to the purchaser of the product may be required prior to processing a warranty claim.

Maximum client weight capacity is 250 pounds (113kg) for Ride Custom Backs attached to wheelchair using one FlexLoc® mounting hardware kit. Maximum client weight capacity is 300 pounds (136kg) for Ride Custom Backs attached to wheelchair using two FlexLoc mounting hardware kits.

Ride Custom Products 90 Day 'Fit and Function' Guarantee

Ride Custom Cushions and Backs are backed by a two year manufacturer's limited warranty.

Additionally, Ride Designs guarantees that Ride Custom Cushions and Backs are fabricated to the specifications contained in the original Ride Custom Cushion and Back Order Forms, and that the fit and function is satisfactory. If for any reason, within the first 90 days of delivery to you, the product outcome is not satisfactory, Ride Designs will work with the provider to modify and adjust the product to remedy the deficiency. If adjustments and modifications are unsuccessful, Ride Designs and the supplier will determine if a remake is appropriate or the supplier can choose to return the product for partial credit.

Please note that the fit and function guarantee does not cover errors by the provider during the ordering process.

Ride Designs will not accept any returns without a Return Authorization Number supplied by Ride Designs Customer Service to the certified Ride Designs provider.



The Ride Custom Back support works best when used with a cushion from Ride Designs

Whether standard or custom, Ride cushions offer skin-safe solutions that enhance the postural stability and control of the Ride Custom Back.

Achieve an excellent level of skin protection and functional performance with the super-lightweight Ride Custom Cushion 2 (left).

Consider the Java® Cushion (center left) for its adjustability and ease of fitting, along with superior performance in sitting stability and skin protection.

The Ride Forward™ Cushion (bottom left) is softer and most appropriate for people with mild to moderate risk for skin breakdown.

Installation Notes



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MDSS GmbH
 Schiffgraben 41
 30175 Hannover, Germany