

ENGLISH



Owner's Handbook:

Ride® Custom Back Support RCB200



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 back supports and cushions are designed to help reduce the incidence of pressure sores. However, no back support or cushion can completely eliminate sitting pressure or prevent pressure sores. Ride Custom Back 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
- 5mm allen wrench
- 2 clamp screws for 3/4" back canes

II. Installation

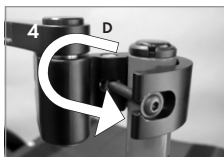
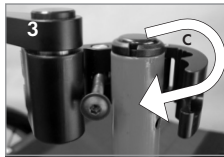
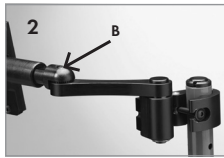
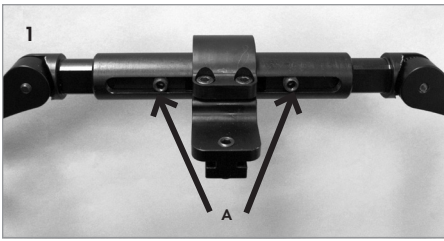
At left is a Ride Custom Back properly installed on wheelchair back canes with FlexLoc hardware.

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.

Note: The width adjustment screws (A, Illustration 1) are shown on the bottom side of the center tube. Your hardware may have been configured with the width adjustment screws accessible from the top side of the center tube. Either configuration allows for the width adjustment screws to be loosened to adjust the hardware 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 5mm allen wrench.

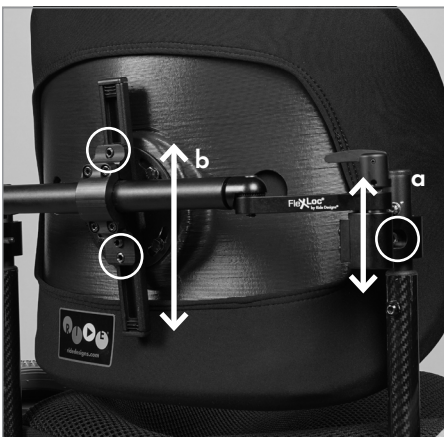
NOTE: The Decaf hardware comes preassembled with the correct clamping screw for 7/8" (2.2cm) and 1" (2.5cm) diameter tubing. If clamping to 3/4" (1.9cm) tubing, replace screws with shorter screws included with the hardware.

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 5mm allen wrench to loosen clamp screws and slide FlexLoc up/down on back canes,

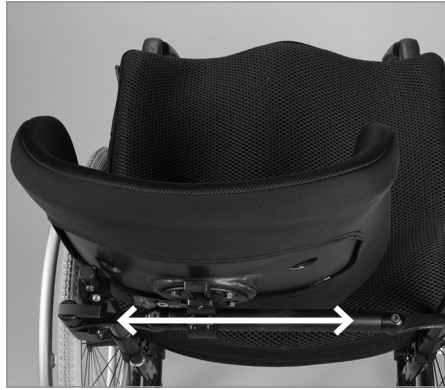
and/or

b. Use the 4mm allen wrench to loosen back height set screws and slide back up/down on track.



2. Adjust back angle and lateral position.

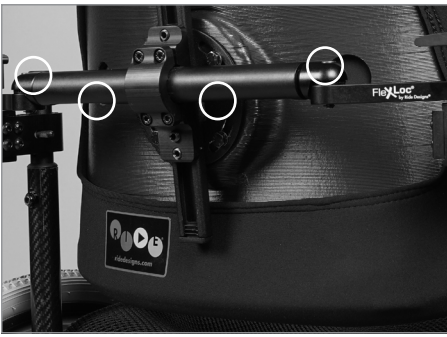
- a. Use the 4mm allen wrench to loosen back angle screws (4) and adjust back angle to desired orientation.
- b. Loosening of these screws also provides for lateral movement of center clamp along connecting tube for lateral adjustment of back support.



Lateral Position



Back Angle



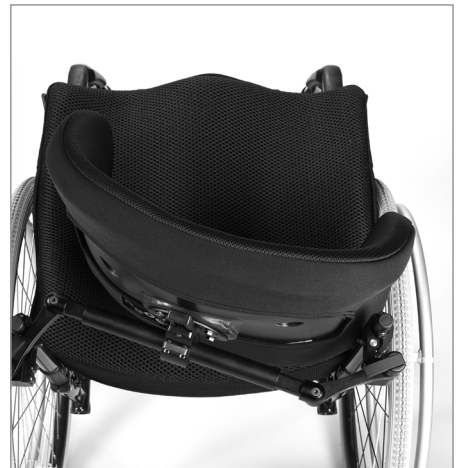
3. Adjust seat depth and vertical rotation.
 - a. Loosening of pivot screws and width adjustment set screws allows for seat depth and vertical rotation adjustment as shown.

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

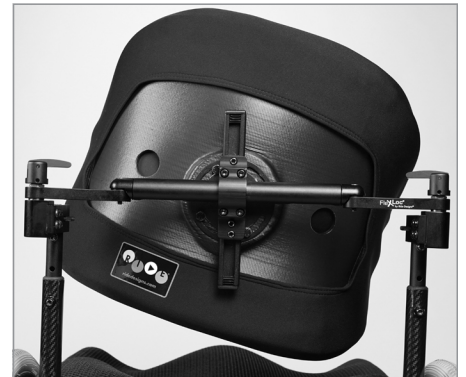


4. Adjust back rotation.

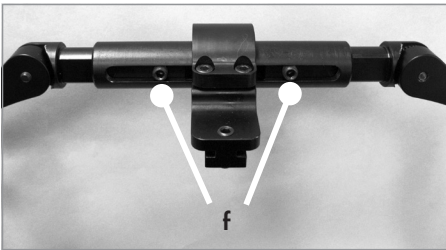
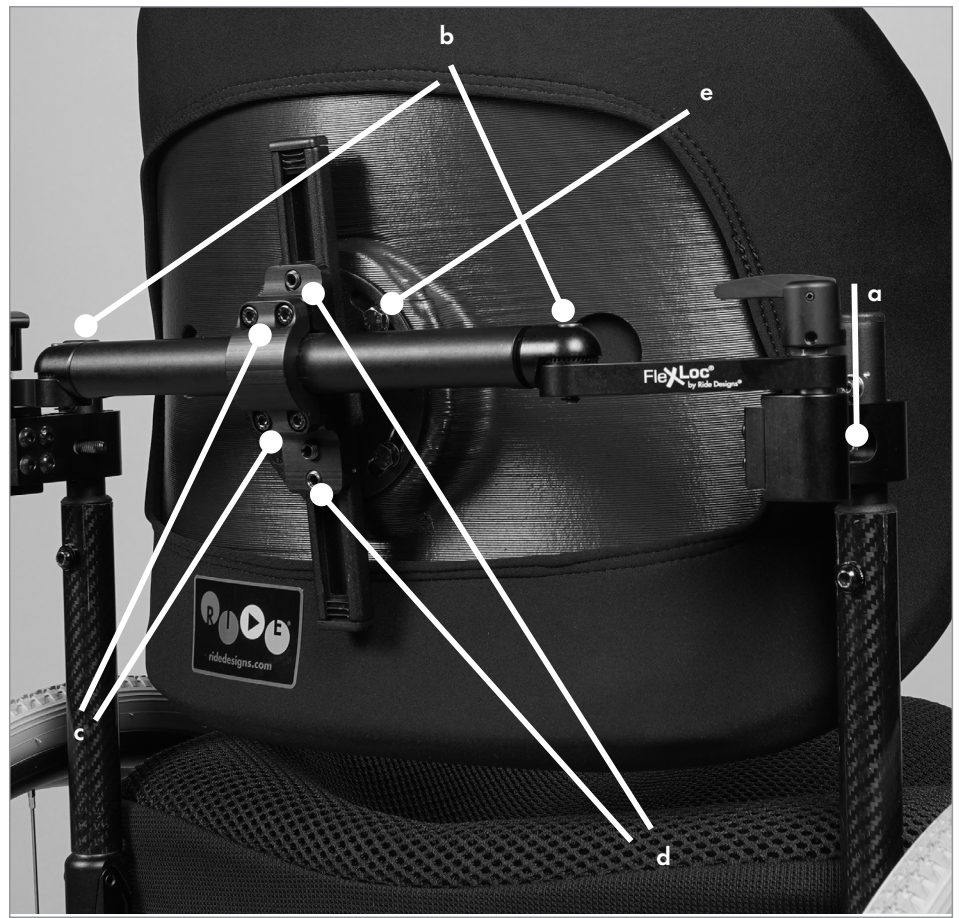
- a. Use the 10mm open end wrench to loosen four (4) back rotation bolts, and rotate back to desired orientation.

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

Visit www.ridedesigns.com for additional instructions.

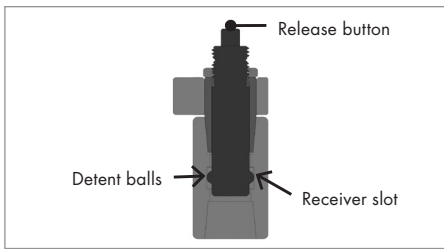


Back Rotation



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

- 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)



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.

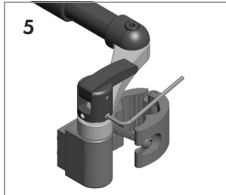
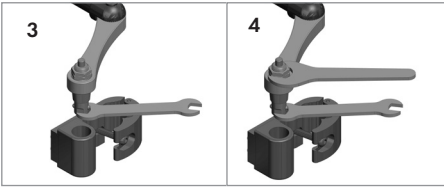
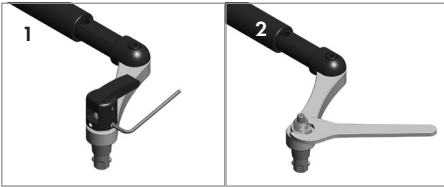
⚠ **WARNING:** Failure to adjust the quick release pin so that the detent balls fully engage in the receiver block slot could result in the backrest coming off of the wheelchair unintentionally, which could result in injury.

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.

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

Care and Maintenance of your Ride Custom Back

Cleaning the Ride Custom Back Cover

- Remove your Ride Custom Back cover by pulling it over the mesh fabric or foam, and the plastic shell.
- Wash the cover in warm water (regular detergent/no bleach). Hang dry or tumble dry on low heat.
- Wipe inner mesh fabric or foam surface with a damp cloth and mild disinfectant if needed.
- Replace cover over plastic shell and mesh fabric or foam insert.

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

Your Ride Custom Back support has undergone dynamic testing for use in a motor vehicle per RESNA WC-4:2012, Section 20 and ISO 16840-4. The Ride Custom Back support along with FlexLoc attachment hardware meets all applicable criteria for wheelchair back supports per section 5.1 of WC-4, Section 20 and ISO 16840-4.

 **Warning: Failure to heed these warnings and instructions could result in injury to the user or others.**

 If possible, the user should use an Original Equipment Manufacturer (OEM) car seat with OEM seat restraints.

 Although your Ride Custom Back support has been successfully tested for use in a motor vehicle, your wheelchair may not have been tested. Verify the wheelchair has been successfully tested to RESNA and ISO standards prior to using your Ride Custom Back Support in a motor vehicle.

 This product is rated for a maximum client weight of 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.

 Failure to use appropriate vehicle restraint can result in serious injury or death.

 The wheelchair tie-down and securement system must be positioned and installed per manufacturer's instructions. Verify the wheelchair securement system must be positioned and installed per manufacturer's instructions. Verify the wheelchair securement system has been successfully tested to RESNA and ISO standards prior to using your Ride Custom Back support in a motor vehicle.

 Remove and secure any wheelchair accessories such as trays during transport.

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.

Symbols Used in Product Labeling

Ride® Custom Back



Ride Designs
8100 SouthPark Way, C400
Littleton, Colorado 80120
USA



Sunrise Medical Limited
Thorne Road, Brierley Hill
West Midlands, DY5 2LD
UNITED KINGDOM



MDSS GmbH
Schiffgraben 41
30175 Hannover, Germany

Patents: ridedesigns.com/patents



RCB200



8129622



00850032423052



(01)00850032423052(21)8129622



2024-12-23

YYYY-MM-DD





Max



Cover materials

Spacer Fabric Cover: Front: Polyester
Back: Nylon fabric on 100% neoprene

Incontinence-Proof Cover:
Front: 100% Polyester with
Polyurethane Coating
Back: 80% Neoprene, 20% Nylon

Type:	Description:
CE	CE Mark
MD	This symbol means Medical Device
EC REP	EC Representative
UK RP	UK Responsible Party
UK CA	UK Conformity Assessed
      Max	Back width, back height, max weight
	Warning
SN	Serial Number
	Manufacturer
	Date of manufacture - YYYY-MM-DD
UDI	Unique Device Identifier

Back

It is mandatory to read the Owner's Handbook before use.

Cover Laundry Instructions:
Remove outer cover from shell and machine or hand wash warm water (40°C/104°F) with regular detergent. No bleach. Hang to dry. Do not iron. Do not dry clean.

010-118-A

www.ridedesigns.com

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.

Custom Product Fit and Function Guarantee & Return Policy

Ride Designs is committed to the success and quality of its products; therefore, we promise to manufacture all products according to the specifications on the original product order form and ensure satisfactory fit and function. To uphold this promise, all Ride Custom Products come with a 180-day Fit and Function Guarantee, effective from the product's initial shipping date and expiring 180 days thereafter.

If a product does not meet our customer's needs, Ride Designs will work with the customer's dealer to modify and adjust the product to achieve a desirable outcome. If modifications are unsuccessful, Ride Designs will decide if a remake is appropriate. If so, we will provide a remake, or the dealer may return the product for a 50% credit. If a remake is approved, Ride Designs will remake the product at no charge within the first 90 days or at 50% of the dealer's cost between 91-180 days.

For a remake, Ride Designs Customer Service must be contacted for prior approval and a return authorization. Remake approvals are at the sole discretion of Ride Designs. Changes in customer condition, including but not limited to weight fluctuations or surgical interventions, do not qualify for the Fit and Function Guarantee. Dealer delays or requests submitted after 180 days will not be accommodated.

Ride Custom Products may be returned for a 50% credit at any time during the 180-day guarantee period. Returns will only be accepted with a Return Authorization Number provided by Ride Designs Customer Service.



As the manufacturer, RIDE DESIGNS declares that this product conforms to the Medical Device Regulation (2017/745).

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

Installation Notes

[illegible]

Notice to the user and/or patient: any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.