



Ride Custom Back Dynamic Strap Mount Owner's Handbook

▶ **Warranty Policy** **Installation and Use Instructions**

Warranty Policy

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 due to accidents, neglect, misuse, operation beyond capacity, parts damaged by improper installation, substitution of parts not approved by Ride Designs, not following these care and maintenance instructions, or any alteration or repair by others that, in Ride Designs' judgment, materially or adversely affects your Ride Custom Back.

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 for Ride Custom Backs attached to wheelchair using the Dynamic Strap Mount.

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Ride Custom Back 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: Denotes important things to remember when using this product.

WARNING: Indicates a potentially dangerous situation which, if not heeded, could result in serious injury.

CAUTION: Failure to heed cautions may result in damage to your product.

NOTE: Ride Designs is not liable for damage to property or personal injury arising out of unsafe use of this product. Ride Designs is also not liable for any property damage or personal injury arising out of the failure of any person and/or user to follow the instructions or recommendations set forth in 1) this manual, or 2) any other instructions or recommendations contained in related literature issued by Ride Designs, or 3) contained on the product itself.

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 may cause slight variations between the illustrations and explanations in this manual and the product you have purchased.

The Dynamic Strap Mount

Intended for the more active user, the Dynamic Strap Mount is a lightweight alternative to the heavier duty Adjustable and Removable Multi-axial Hardware. The Dynamic Strap Mount safely secures the Ride Custom Back to the wheelchair, but allows for a limited amount of dynamic trunk movement, thereby reducing the impression of restriction so often associated with custom back supports. It is intended for use on lightweight, rigid and folding wheelchairs.

WARNING: Installing a back support on a wheelchair may affect the center of gravity of the wheelchair and may cause the wheelchair to tip backwards or forwards, potentially resulting in injury. Always assess for the potential need for anti-tippers or amputee axle adapter brackets to be added to your wheelchair to help increase stability.

WARNING: Failure to accurately assess and adjust the fit of the Ride Custom Back may result in serious injury to the user.

Dynamic Strap Mount Available Sizes

<u>Part Number</u>	<u>Fits Wheelchair Widths</u>
DSM-1400	14"
DSM-1500	15"
DSM-1600	16"
DSM-1700	17"
DSM-1800	18"
DSM-1920	19" - 20"

Installation and Use Instructions

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.

Installation of Dynamic Strap Mount onto Wheelchair

There are two mounting configurations for the Dynamic Strap Mount:

- I. Replacing sling back upholstery on a wheelchair **WITHOUT** push handles.
- II. Replacing sling back upholstery on a wheelchair **WITH** push handles.

I. Installation on a wheelchair **WITHOUT** push handles (Figure 1)

Note: If the wheelchair back cane height is not adjustable **AND**, after installation per step 1 and 2 below, the Dynamic Strap Mount is not at the desired height, install per instructions in section II or section III.



1. With existing back upholstery removed, adjust the cane height such that the canes are 1" to 3" lower than the overall height of the Ride Custom Back.



2. Install the Dynamic Strap Mount onto the wheelchair by first inserting the bottom strap around the canes, then inserting the canes into the Dynamic Strap Mount back cane pockets, identified by silver reflective tape (Figure 2). If installed correctly, the Dynamic Strap Mount will not drop below the top of the canes.

3. Pull down and attach the privacy flap to the seat, allowing sufficient slack for the cushion to be placed against the back canes.



4. Adjust the height of the two mounting hangers such that the bottom of the hangers are at or slightly above the level of the top of the wheelchair seat rails. To adjust the hangers, remove the retainer screws (one per hanger) located just below the silver reflective tape on the back of the Dynamic Strap Mount (Figure 3). Slide the hangers up or down in 1/2" increments until the desired height is achieved (Figure 4). Reinsert and tighten the retaining screws.



5. Verify that both brackets are at the same height before continuing.

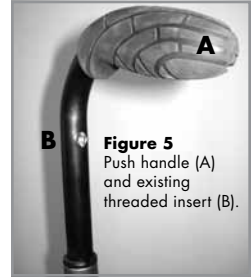
6. Proceed to Section IV.

II. Installation on a wheelchair WITH push handles and existing threaded inserts.

Follow these instructions to replace existing sling back upholstery on a wheelchair with push handles and existing threaded inserts as shown in Figure 5.

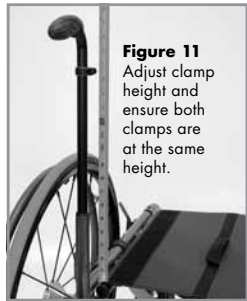
NOTE: If no existing threaded inserts are present, then a Push Handle Mount Accessory (available through Ride Designs) is required for safe installation as outlined in section III.

1. With existing back upholstery removed, adjust the cane height such that the threaded inserts are 2" to 4" lower than the overall height of the Ride Custom Back. If back cane height is not adjustable to achieve this, then proceed to section III below.
2. Install the Dynamic Strap Mount onto the wheelchair by first inserting the bottom strap around the canes, then inserting the cane push handles through the holes provided in the inside upper and lateral corners of the Dynamic Strap Mount back cane pockets, identified by silver reflective tape (Figure 6 and 7).
3. Permanently attach the Dynamic Strap Mount to the canes using the original upholstery screws installed through the grommets located in the upper back corners of the mount (Figure 8).
4. Pull down and attach the privacy flap to the seat, allowing sufficient slack for the cushion to be placed against the back canes.
5. Adjust the height of the two mounting hangers such that the bottom of the hangers are at or slightly above the level of the top of the wheelchair seat rails. To adjust the hangers, remove the screws (one per hanger) located just below the silver reflective tape on the back of the Dynamic Strap Mount (Figure 3). Slide the hangers up or down in ½" increments until the desired height is achieved (Figure 4). Reinsert and tighten the retaining screws.
6. Verify that both brackets are at the same height before continuing.
7. Proceed to section IV.



III. Replace sling back upholstery on a wheelchair that has back canes with integrated push handles but without existing threaded inserts.

1. Verify that the Corbac will be used without the wheelchair back upholstery and that the rear canes are equipped with push handles but without existing threaded inserts (Figure 9).
2. Determine the cane diameter at the location where the top of the Corbac height will be positioned.
3. Use the following clamps for your cane diameter:
 - 1" cane Large clamps without shims
 - 7/8" cane Large clamps with shims
 - 3/4" cane Small clamps with shims
4. With the clamp's screw inserts towards the back side of the wheelchair, install the clamps by spreading the clamps over the canes (Figure 10). Adjust the clamp height to $\frac{3}{4}$ " below the final Corbac height and ensure both clamps are at the same height above the seat rails (Figure 11). Do not install the screws at this time.
5. Install the Corbac adjustable mount.
 - a. Remove the Corbac adjustable mount from the cardboard packaging and detach spacer fabric overlay. Do not unfold. Locate the large pockets underneath the adjustable straps.
 - b. Slide the Corbac adjustable mount over the wheelchair push handles and clamps, pushing the handles through the holes provided in the inside upper and lateral corners of the large pocket (Figure 12).
 - c. Align the adjustable mount grommet holes with the clamps and insert the 10-32 screws provided. Adjust the clamp rotations to match the desired curvature of the adjustable mount. Tighten the screws securely (Figure 13).
 - d. Tighten straps lightly. On some rigid model wheelchairs, the bottom strap(s) may be located below the rigidizer bar.
 - e. Pull down and attach the privacy flap to seat allowing sufficient slack for your cushion to be placed against the back canes.
 - f. Install seat cushion ensuring proper location.
 - g. Proceed to section V.

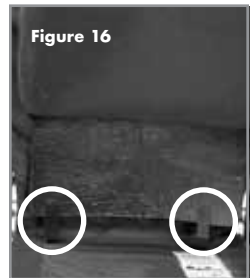


IV. Installation of Ride Custom Back onto Dynamic Strap Mount

1. Position the attached Dynamic Strap Mount overlay onto the adjustable strap mount by first centering the front flap tabs around the canes. Once centered, attach the tabs onto the corresponding hook and loop attachment located on the 4" webbing (Figures 14 and 15). Attach the bottom of the front flap onto its corresponding hook and loop strip.



2. Install the Ride Custom Back onto the Dynamic Strap Mount by first inserting the Ride Custom Back reference tab into the two aluminum brackets (Figure 16).



3. Install client's cushion and, with the client sitting in the wheelchair, verify the back height is correct.

a. To raise the Ride Custom Back height, remove the retaining screws (one per bracket) located just below the silver reflective tape on the back of the Dynamic Strap Mount (see Figure 3). Slide the brackets up in 1/2" increments until the desired height is achieved (see Figure 3). Reinsert and tighten the retaining screws.

b. To lower the Ride Custom Back height, cut the bottom of the Ride Custom Back reference tab by the desired decrease in height.

4. With the client sitting on his cushion, raise the back overlay panel and adjust the three adjustable straps for desired back orientation (Figure 17). Re-attach the back overlay panel.



Select method for completing the installation of the Ride Custom Back (RCB) onto the Dynamic Strap Mount:

1. Removable RCB Mounting
2. Permanent RCB Mounting

Removable Ride Custom Back Mounting

1. Install 2" hook and loop with pressure sensitive adhesive (included) onto the Ride Custom Back at a location that will mate with the corresponding hook and loop on the front/top surface of the Dynamic Strap Mount. Reinstall the Ride Custom Back into the two (2) brackets and, once the back is centered, push the top of the Ride Custom Back against the Dynamic Strap Mount engaging the hook and loop fastener.

Permanent Ride Custom Back Mounting

Note: Ensure the Ride Custom Back height and orientation is correctly adjusted before permanently attaching it to the Dynamic Strap Mount.

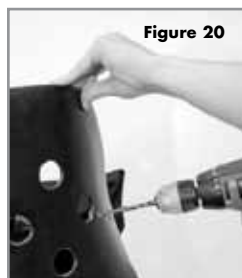
1. With the client sitting against the Ride Custom Back, mark through the two grommets located 2" from the top of the Dynamic Strap Mount and 4" in from the sides, from the back of the Dynamic Strap Mount onto the Ride Custom Back outer shell (Figure 18).



2. Remove the Ride Custom Back from the wheelchair. Remove the Ride Custom Back inner cushion assembly from the outer shell by removing two (2) screws located on the outer shell (Figure 19). This will expose the inner surface of the Ride Custom Back shell.



3. Drill through the shell at the marked locations using a 19/64" drill bit, and insert (2) 1/4" weld nuts (included) from the inside surface of the shell (Figures 20 and 21).



4. Reinstall the Ride Custom Back inner cushion assembly.

5. Reinstall the Ride Custom Back onto the Dynamic Strap Mount brackets. Permanently mount the Ride Custom Back by installing two (2) 1/4"-20 x 5/8" screws (included) through the Dynamic Strap Mount grommets and into the installed weld nuts (Figure 22). Tighten screws securely.



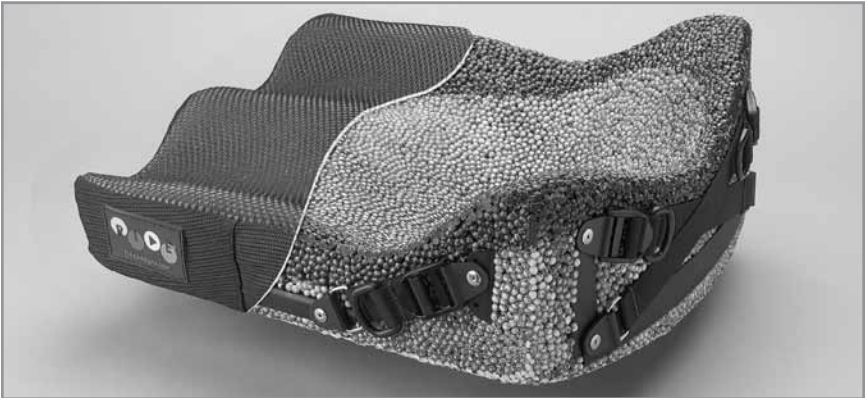
The Ride Custom Back support works best when used with the Ride Forward™ or Ride Custom Cushion.

The Ride Forward cushion is most appropriate for people with mild to moderate risk for skin breakdown.

For people at higher risk for skin breakdown, and/or more challenging postural control needs, the **Ride Custom Cushion** is the ultimate in postural support and skin care. It is specifically contoured to support a person's unique size, shape, posture and functional requirements.



▲ The Ride Forward™ Cushion



▲ The Ride Custom Cushion*

*Cut away view of spacer mesh integrated cushion cover.