



# Ride Corbac™ and Corbac™ Tall Adjustable Back Support Owner's Handbook

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## ▶ **Warranty Policy Installation and Use Instructions Care and Maintenance**

### **Warranty Policy**

Your Ride Designs® Corbac™ Adjustable Back Support has been carefully constructed to meet your 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.

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.

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## Ride Corbac 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.

**WARNING:** 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 Corbac is not a substitute for good skin care including proper diet, cleanliness, and regular pressure relief techniques.



◀ The Ride Corbac teamed  
with the Ride Forward™ Cushion

## Installation and Use Instructions

It is recommended that a therapist or authorized Ride Designs supplier conduct the initial fitting of your back support. Your Ride Corbac is designed to enhance core trunk stability by providing posterior and lateral support to the lower trunk, lumbar spine, and pelvis (ie, the core). The Corbac Adjustable Mount uses straps to achieve the initial support for balance and alignment. The thoraco-lumbar-pelvic (TLP) supports provide additional posterior-lateral support and the Corbac's spacer mesh overlay provides a lightweight cushioning support to facilitate moisture vapor transport while reducing shear.

The Corbac consists of four components: 1) the adjustable mount, 2) two thoraco-lumbar-pelvic (TLP) supports, 3) the spacer mesh overlay and 4) four mounting clamps.

### Determine appropriate installation instructions

Before installation determine the configuration needed and proceed to the correct section of the handbook:

- If replacing sling back upholstery on a wheelchair WITHOUT push handles, go to section I.
- If replacing sling back upholstery on a wheelchair that has back canes with integrated push handles and existing threaded inserts, go to section II.
- If replacing sling back upholstery on a wheelchair with integrated push handles, but WITHOUT threaded inserts, go to section III.
- If installing Corbac over existing sling back upholstery, go to section IV.

### Corbac installation

#### I. Replace existing sling back upholstery on a wheelchair without push handles

1. Remove the existing wheelchair back upholstery.
2. Adjust back cane height (if applicable) for desired back support height.
3. Slide the Corbac adjustable mount onto the wheelchair back canes.
  - a. Remove the Corbac adjustable mount from the cardboard packaging. Do not unfold.
  - b. Locate the back cane pockets along the inside of the back panel and under the adjustment straps. Reflective tape identifies the opening of the cane pockets.
  - c. Slide Corbac adjustable mount cane pockets over the wheelchair back canes. (You may need to slightly loosen the adjustable mount straps.)



**WARNING:** Failure to use the back cane pockets can result in the Corbac sliding down the back canes creating significant potential for injury.

- d. Tighten the adjustment straps slightly. On some rigid model wheelchairs one or more of the bottom adjustment strap(s) may need to be located below the rigidizer bar.
- e. Pull down and attach privacy flap to seat sling allowing sufficient slack for your cushion to be placed against the back canes.
- f. Install your seat cushion ensuring proper location.
- g. Proceed to section V.

## II. Replace existing sling back upholstery on a wheelchair with push handles and existing threaded inserts.

1. Verify that the Corbac will be used without the original wheelchair back upholstery and that the rear canes are equipped with push handles and threaded inserts as shown in Figure 1.

2. Remove the Corbac adjustable mount from the cardboard packaging. Do not unfold.

3. Locate large pocket underneath the adjustment straps.

4. Slide the Corbac adjustable mount over the push handles of the wheelchair pushing the handles through the holes provided in the inside upper and lateral corners of the large pocket.

5. Align the grommets on the Corbac mount with the original threaded insert on the wheelchair.

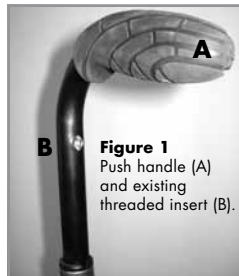
6. Insert screw from original wheelchair upholstery through the grommet and into the threaded insert, and tighten securely (Figure 2).

7. Tighten Corbac Mount tension straps lightly. On some rigid model wheelchairs, the bottom strap(s) may need to be located below the rigidizer bar.

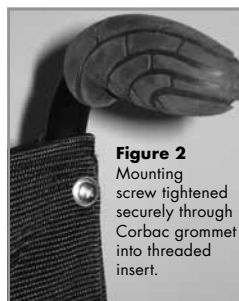
8. Pull down and attach privacy flap to seat sling allowing sufficient slack for your cushion to be placed against the back canes.

9. Install seat cushion ensuring proper location.

10. Proceed to Section V.



**Figure 1**  
Push handle (A)  
and existing  
threaded insert (B).



**Figure 2**  
Mounting  
screw tightened  
securely through  
Corbac grommet  
into threaded  
insert.

## 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 3).

2. Determine the cane diameter at the location where the top of the Corbac height will be positioned.



**Figure 3**  
Push handle  
without existing  
threaded insert.

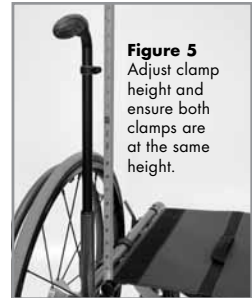
3. Use the following clamps for your cane diameter:

- 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 4). Adjust the clamp height to 3/4" below the final Corbac height and ensure both clamps are at the same height above the seat rails (Figure 5). 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 6).
- 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 7).
- 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. Install Corbac over existing sling back upholstery**

- 1. Leave existing sling back upholstery in place on wheelchair.
- 2. Install the Corbac adjustable mount.

- a. Remove the Corbac adjustable mount from the cardboard packaging. Do not unfold.
- b. Locate the large pocket underneath the adjustment straps.
- c. Slide the Corbac adjustable mount over the wheelchair's sling back upholstery. Ensure the existing sling upholstery is inserted into the large pocket. (You may need to slightly loosen the straps.)

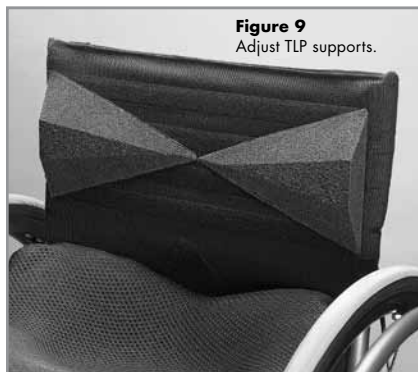
- d. Tighten straps lightly. On some rigid model wheelchairs, the bottom strap(s) may be located below the rigidizer bar.
- e. Pull down and attach privacy flap to seat sling allowing sufficient slack for your cushion to be placed against the back canes.
- f. Install seat cushion ensuring proper location.
- g. Proceed to section V.

## V. Fitting the Corbac

1. Transfer onto wheelchair.
2. Adjust straps on mount for optimal balance and trunk alignment (Figure 8).



**Figure 8** Adjust straps.

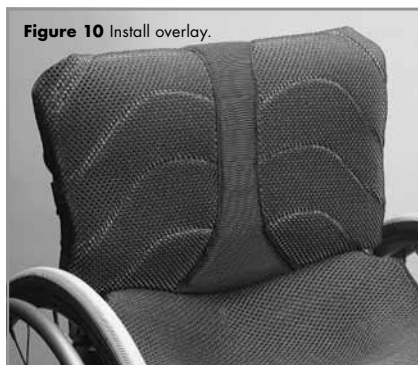


**Figure 9**  
Adjust TLP supports.

3. Adjust thoraco-lumbar-pelvic (TLP) supports (Figure 9).
  - a. Lean forward and place TLP supports (tips pointing inward) against your trunk at desired location in the lumbar-sacral region.
  - b. Lean back to attach wedges to the front surface of the adjustable mount via the hook and loop fastener.
  - c. The TLP supports can be moved up/down, in/out, and rotated. In some instances, they may extend beyond the width of the wheelchair frame and can be trimmed.
  - e. Continue to make adjustments to the TLP supports until the desired posture and comfort is achieved.

4. Install the spacer mesh overlay (Figure 10).

- a. Lean forward and pull the spacer mesh overlay over the adjustable mount and TLP supports.
- b. Attach the hook fastener at the inside bottom/front of overlay to the loop fastener on the front of the adjustable mount.



**Figure 10** Install overlay.

- c. Lean back and attach the four loop fastener straps of the overlay to the back of the adjustable mount straps.
- d. Pull the spacer mesh overlay back flap over the adjustable mount's straps. Loop fastener strips on the back flap will affix to the back side of the adjustable mount straps.
- e. Readjustment of TLP supports may be necessary once overlay is in place. Simply remove overlay, adjust position of the TLP supports, and re-install the overlay.

**WARNING:** Adjusting the forward and aft position of the backrest may alter your center of gravity within the wheelchair. A recessed back position may cause the wheelchair to tip backwards, 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. Similarly, a more forward back position may reduce the forward stability of the wheelchair.

**WARNING:** Do not use your Corbac without the spacer mesh overlay in place.

**WARNING:** Do not lift the wheelchair by the Corbac.

**WARNING:** Improper placement or securement of the Ride Corbac to your wheelchair may result in serious injury.

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

## **Initial wearing schedule**

Prior to prolonged sitting, it is advisable to use your Ride Corbac 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 greater than 30 minutes. As long as skin inspections do not show red areas persisting more than 30 minutes, you are safe to continue use. Skin checks should be made no less than daily, even after skin tolerance is established. Continue to perform routine intermittent pressure relief techniques (forward lean) as advised by your healthcare professional.

**WARNING:** If any redness associated with the use of the Corbac persists for greater than 30 minutes, cease using and contact your therapist or doctor immediately.

## **Follow-up**

It is recommended to 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.

## **Care and Maintenance of Your Ride Corbac**

### **Cleaning the Corbac spacer mesh overlay**

- Remove the spacer mesh overlay from the Corbac.
- Attach hook/loop fasteners to each other. Place in a zipper bag
- Machine or hand wash in warm water (regular detergent/no bleach).
- Hang dry.

## Cleaning the Corbac adjustable mount

Using a damp cloth or mild disinfectant, clean the privacy flap, TLP supports, and base components as needed.

CAUTION: Do not clean your Corbac with isopropyl alcohol or any other chemical solvents.

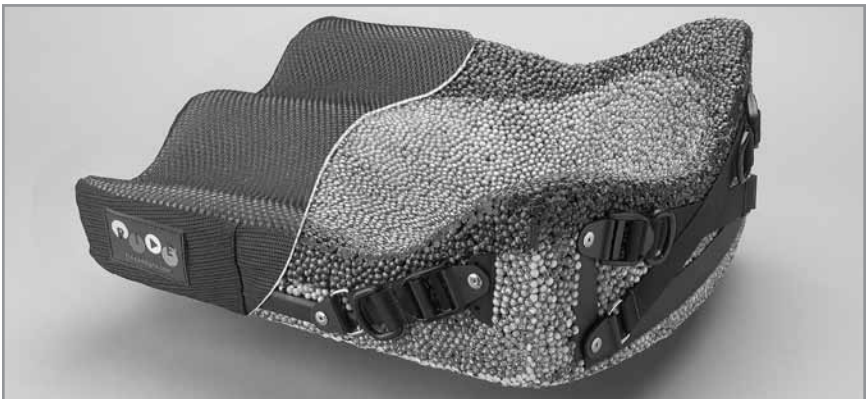
## The Ride Corbac back support works best when used with the Ride Forward™ or Ride Custom Cushion.

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.

Protected by one or more of the following US Patents: 7,373,678;  
7,216,388; 7,220,376; 6,990,744; 7,395,566; 7,140,057.

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