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# Owner's Handbook:

# Ride® Java® Cushion

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## **Ride Designs®**

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**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 Designs® Java® Cushion is an adjustable wheelchair cushion that has been carefully constructed to meet your 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 user weight is 350 pounds (160kg).


## 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, 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 may 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, distributor, or [www.ridedesigns.com](http://www.ridedesigns.com) 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.


 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 Designs back supports and cushions are not a substitute for good skin care including proper diet, cleanliness, and regular pressure relief techniques.


 Installing a cushion on a wheelchair may affect the center of gravity of the wheelchair and 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.


 Improper placement or securement of the Ride Java Cushion to your wheelchair may result in injury. Your wheelchair must have complementary hook fastener on the sling or solid seat to properly secure the cushion.

 Use of the Ride Java Cushion without all components correctly assembled, including the cover, base, top foam layer, and any additional Java accessories may result in injury to the user.

 Failure to accurately assess and adjust the fit of the Ride Java Cushion may result in injury to the user.

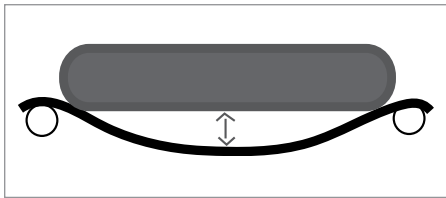
 The Ride Java Cushion materials work optimally at room temperature. Do not leave the cushion in temperatures below 40° F (5° C) for prolonged periods of time.

 Always allow the Ride Java Cushion to come to room temperature before use. Sitting on excessively warm or cold surfaces can cause skin damage.

 Wheelchair configuration, and correct foot and back support fit are critical for successful use of any wheelchair cushion. Failure to properly attend to these items may result in injury to the user.

## Installation and Use Instructions

It is recommended that a supplier or therapist certified by Ride Designs conducts the initial fitting of your cushion. Your Ride Java Cushion, in conjunction with its unique cover, is designed to off-load or suspend your bony prominences and isolate forces to areas of your body tolerant of shear and pressure. Two Ride Gauges are included with your Ride Java Cushion to test for "bottoming out." The Ride Gauge is a one-time-use assessment tool and will be used as outlined below during the delivery/fitting of your Ride Java Cushion.



## Preparing the wheelchair for your Ride Java Cushion

Your Ride Java Cushion is designed to work equally well on both sling style or solid seat inserts.

NOTE: If your sling seat presents with a gap between the cushion bottom and sling upholstery, the upholstery must be tightened or replaced.

⚠ The Ride Java Cushion must not extend more than 1" (2.54 cm) beyond the front of your wheelchair's sling or solid seat to avoid damage to the cushion.



## Install, evaluate, and adjust your Ride Java Cushion

The Ride Java Cushion's skin protection characteristics are adjustable through two mechanisms: Ride CAM® Wedges for ischial tuberosity clearance, and optional well inserts for adjustment of ischial loading. The adjustments can be done at any time to adjust for change over time. The adjustments are fully reversible, without any harm to the Java Cushion.

⚠ Ensure sufficient tissue protection is achieved by using Ride CAM wedges as needed to create at least ½" (1.27 cm) clearance below your ischial tuberosities following the instructions below. Always fit and adjust the Java Cushion for ischial tuberosity clearance prior to adding well inserts for ischial tuberosity support. Failure to fit and adjust for ischial tuberosity clearance could result in injury.

1. Unzip the cover of your Ride Java Cushion (Illustration 1).
  2. Place one Ride Gauge™ in the ischial well inside the cover of your cushion (Illustration 2), and close the zipper.
  3. Place the back corners of the cushion against the back canes of the wheelchair (Illustration 3).
  4. Affix the cushion to the wheelchair by aligning the loop/hook fastener patch on the bottom of the cover with the hook/loop fastener patch on the wheelchair sling or solid seat. Firmly press the cushion into the hook and loop fasteners ensuring the cushion is securely fastened to the wheelchair.
  5. Transfer onto your cushion without displacing the gauge. You may hear a crunching sound as the gauge compresses under your weight. Feel free to propel your wheelchair, pop a wheelie, etc. for a short trial period.
  6. Carefully transfer out of your wheelchair without disturbing the gauge.
  7. Unzip the cover, look at the gauge and locate the impression left by your ischial tuberosities and tailbone. Using your finger, press into the lowest impression of the gauge to ensure that there is at least ½" (1.27 cm) of foam remaining which indicates sufficient clearance of these bony prominences has been achieved (Illustration 4).
  8. If you have less than ½" (1.27 cm) of clearance at the ischial tuberosities it will be necessary to use the Ride CAM wedges included with your cushion. Your Ride Java Cushion comes with two CAM wedges.
  9. Remove your cushion from your wheelchair, unzip the cover, and insert Ride CAM Wedges (Illustration 5) into the horizontal slots located in the back corner edges of the cushion (Illustration 6). Any combination of wedges can be used, provided the total does not exceed two wedges on either or both sides. CAM wedges can be used symmetrically to increase ischial tuberosity clearance or unilaterally for pelvic obliquity.
- Additional Ride CAM Wedges are available through your authorized Ride Designs rehab technology supplier or authorized distributor. Ride CAM Wedges are a one-size-fits-all accessory. Insert the wedges fully into the slots, then trim excess wedge material off, flush to the cushion sides, using scissors or electric knife.
10. Place the cushion onto your wheelchair and repeat steps 2 through 9 until adequate clearance at your ischial tuberosities is achieved. These adjustments can be made over time to maintain the fit and safety of the Ride Java Cushion.



If you are unable to achieve adequate clearance of the ischial tuberosities, then the Ride Java Cushion is not an appropriate cushion choice and a Ride Custom Cushion (USA only) should be considered. Contact Ride Designs or your certified Ride Designs supplier for more information about the Ride Custom Cushion.

⚠ Routine evaluations and adjustments must be made to ensure adequate clearance at your ischial tuberosities due to weight gain or slight cushion compression that can occur over the life of the product. Failure to routinely evaluate and adjust for ischial tuberosity clearance can result in injury.

NOTE: Your cushion may have been ordered with well inserts, or they can be ordered separately through your authorized Ride Designs rehab technology supplier or authorized distributor.



11. Upon completion of the Ride CAM adjustment for ischial tuberosity clearance, the optional Java well insert and spacer can be added to further alter the skin protection characteristics of the cushion (Illustration 7).

NOTE: Ride Designs recommends the use of the Java Cushion without well inserts for the greatest degree of pressure relief and heat/moisture management. Java well inserts introduce subtle contact and envelopment of the ischial tuberosities which may be desirable to improve the general "feel" of the cushion, and/or provide gentle support to hemorrhoid tissue.

12. Unzip the cover of the Java Cushion and fold the top of the cover forward to expose the ischial well relief.



13. Place the top insert, identified as the component with the "wings" that extend laterally towards your greater trochanters, into the well with the concave groin relief area oriented towards the front of the cushion (Illustration 8).

14. Replace the outer cushion cover and fully close the zipper.

15. Return the cushion to the chair and sit on the cushion to assess its feel with the insert in place.

16. If additional support is preferred, unzip cover, remove top well insert, and place the 1" (2.54 cm) bottom well insert spacer into the well with the concave groin relief area oriented towards the front of the cushion. Place the top ischial insert on top of the 1" (2.54 cm) spacer matching the orientation of the groin relief contour (Illustration 9).

17. Return the cushion to the chair and sit on the cushion to assess its feel with the insert AND spacer in place.

18. Upon completion of all cushion adjustments, if necessary, trim protruding material from accessories to improve fit of the cover. Install cover.



### Optional Accessories

Other accessories to personalize the fit of your Java Cushion are available and can be purchased through your authorized Ride Designs rehab technology supplier:

#### Ride CAM® Wedge Kit

In addition to the Ride CAM Wedges being useful for adjustment of the Java Cushion for ischial tuberosity clearance, they can also be used to help correct a pelvic obliquity. In the presence of a flexible and correctable pelvic obliquity, up to two CAM Wedges can be used on the low side of the obliquity to promote a more level pelvis.

#### Medial and Lateral Thigh Support Inserts

Medial and Lateral thigh support wedges are interchangeable and can be inserted between the top foam component and rigid base. If needed, these wedges can help control and prevent the abduction (spreading of your legs) and adduction (closing of your legs) when sitting on the Java Cushion (Illustration 10). Thigh support wedges are a one size fits all accessory. Secure the the wedges on the top of the cushion base below the top foam layer by aligning the hook and loop fasteners (Illustration 11) and, if necessary, trim the excess wedge material with scissors, electric or serrated edge knife.



### Well Insert

Java Cushion well inserts introduce subtle contact and envelopment of the ischial tuberosities which may be desirable to improve the general "feel" of the cushion, and/or provide gentle support to hemorrhoid tissue.

### Initial Wearing Schedule

Prior to prolonged sitting, it is advisable to sit in your cushion for short periods of time. Make sure to visually check any area that contacts the cushion after each period of use. Any reddened area should fade within 10-30 minutes.






⚠ Contact your doctor or therapist if the redness persists for greater than 30 minutes as this can be an indicator of initial skin breakdown and risk of injury.

As long as skin inspections do not show red areas persisting more than 30 minutes, extend the length of sitting time gradually (half to one hour each day). Continue skin checks after each increased sitting time. Two to four hour periods are the general recommended maximum time in the sitting position. Skin checks should be made no less than daily, even after skin tolerance is established. Continue to perform routine intermittent pressure relief techniques (either manual lifts or weight shifts using power tilt) as advised by your healthcare professional.

### 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 the Java Cushion

Laundry Care Symbols	
	Machine wash warm water (60° C)
	Do not bleach
	Drip dry
	Do not dry clean
	Do not iron

#### Cleaning the Java Cushion outer cover

- Remove your Ride Java Cushion from the wheelchair.
- Remove the outer cover from the cushion. Zip cover closed.
- Machine or hand wash in warm water (60°C/140°F, regular detergent/no bleach).
- Hang dry.

#### Cleaning the Java Cushion top foam layer with moisture barrier

⚠ Always clean Java Cushion top foam layer by hand. Never fully submerge the top foam layer with protective moisture barrier in any liquid. Moisture barrier covering has venting features on the underside of the top foam layer that could allow fluid absorption by the internal foam and lead to contamination and premature aging of the foam insert.

⚠ Do not attempt to remove the moisture barrier from the top foam layer. Removal of the moisture barrier will result in premature aging of the cushion and will void the warranty.

⚠ Regularly inspect the moisture barrier for tears and perforations when cleaning your Java Cushion. In the event of an accidental puncture of the moisture barrier, contact your authorized Ride Designs provider for a patch kit. Use of the cushion with a compromised moisture barrier could lead to further product damage and premature aging.

- Using a household disinfectant cleaner, spray soiled areas of outer moisture barrier and wipe clean using disposable towels.
- Allow to air dry.

## Cleaning the Java Cushion base

- Submerge and swish the Java cushion base in a sink or tub of warm (60°C/140°F) soapy water (using a mild detergent) or a diluted bleach solution (~¼ cup bleach per gallon of water). As an alternative, pour cleaning solution prescribed above into a sturdy plastic bag large enough to hold your cushion base. Put your cushion base in the bag and gently shake and roll the bag to ensure that the cleaning solution covers all surfaces of the cushion base. Ensure the cushion base remains fully saturated for a minimum of five minutes. Remove the cushion base from the bag.
- Rinse the cushion base thoroughly with clean water using a hand held shower or sink sprayer.
- Gently shake or tap excess water from your cushion base. Stand or lean base structure against a wall on an absorbent material such as a terry cloth towel and allow moisture to drain from cushion to dry, preferably overnight. To accelerate the drying process you may place your cushion base in front of a fan.

## Cleaning the CAM Wedges, lateral wedges and well inserts

Follow cleaning instructions for the Ride Java Cushion base.

## Assembling the Ride Java Cushion after cleaning

- Once all components are dry, install top foam layer back onto the cushion base. If applicable, ensure that the Ride CAM and medial/lateral thigh supports are re-installed in their original locations.
  - Insert the assembled cushion into the outer cover by placing the front edge of the cushion into the cover towards the carrying handle, then stretch the rear corners of the cover over the rear corners of the Java Cushion. Flip the cushion and cover assembly over and press down firmly on front edges of the cushion to get zipper started, then zip both zipper ends together to completely close.
  - Place the cushion on your wheelchair and ensure that the back corners of the Java Cushion contact the back canes.
- ⚠ Failure to heed these instructions could result in damage to the Java Cushion:
- Do not rub your cushion surface vigorously with a cloth or brush when cleaning.
  - Do not fold or bend your cushion when placing in cover.
  - When not in use, do not store heavy or sharp objects on your cushion.
  - Do not clean your cushion with isopropyl alcohol or any other chemical solvents.
  - Do not use a high pressure hose to clean any portion of the Java Cushion.

## 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 Java Cushion 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.

Your cushion 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 or distributor. A copy of the Bill of Sale issued to the purchaser of the product may be required prior to processing a warranty claim.



## The Ride Java Cushion works best when used with a Ride Designs Back support

The Java Back's patented biomechanically accurate design enables the fitter to quickly, easily, and independently optimize pelvic support and balance the trunk in a way that mimics the normal rhythm and movement of the body. The user experiences comfort and stability at rest, and no interference with function and mobility. Java Back supports are available in a wide range of heights, widths, and depths.

For people with more challenging postural control needs, consider the Ride Custom Cushion and Back supports (US only), the ultimate in postural support and skin care.

## Installation Notes

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Patents: [www.ridedesigns.com/patents](http://www.ridedesigns.com/patents)  
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