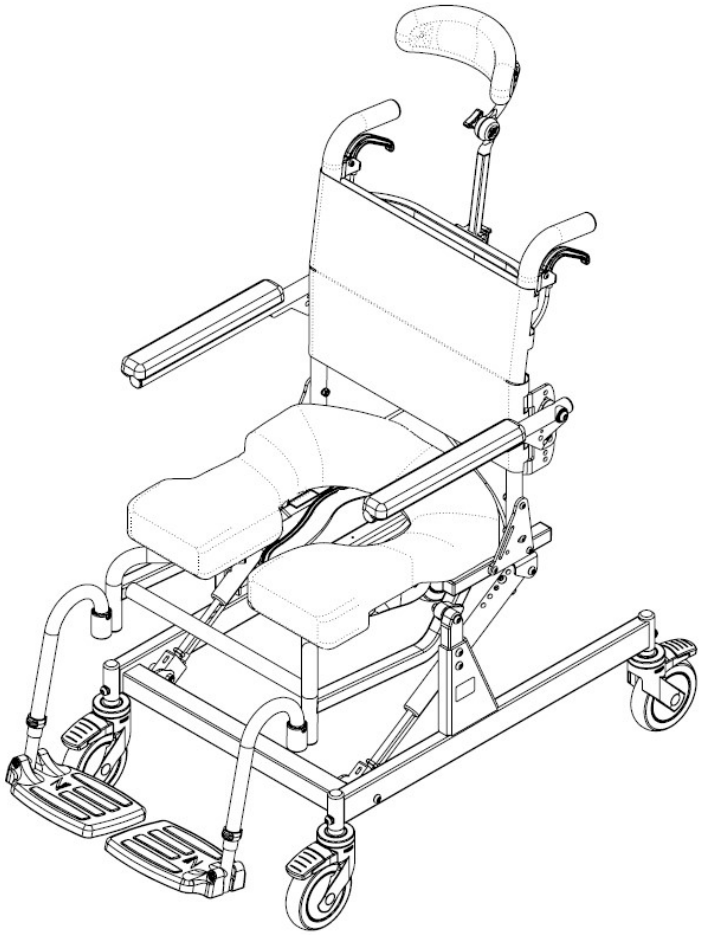
Mobile Shower Commode Chairs

Raz-AT (Z300S)

User and Dealer Manual



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UKRP	Advena Ltd. Pure Offices, Plato Close Warwick, CV34 6WE UK
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CE

BASIC UDI-DI: 628758RAZDESIGNINC2004V9

RTD036ENr04 Rev. Date: 2024-03-22

SAFETY PRECAUTIONS
Failure to comply may cause injury or damage!

It is important that the Raz Mobile Shower Commode Chair be properly assembled and that all adjustments be made carefully. Please ensure that the user(s), dealer(s) and attendant(s) have read this manual and thoroughly understood the safe operation of the Raz Shower Chair. Up-to-date manuals are available online at www.razdesigninc.com. For clarification of any section of this manual, contact your distributor or the manufacturer.

MANUFACTURER
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CE

CHAIR CLASSIFICATION BASED ON MAXIMUM USER WEIGHT	
AT	**185 Kg (407 lbs)**

SAFETY WARNINGS TO CONSIDER FOR USER PURPOSES

THIS DEVICE IS SUITABLE FOR TYPE A: HIGH USAGE (e.g. INSTITUTIONS) AND SHOULD NEVER BE USED FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED

Stability

The casters on all models are equipped with dual-locks. The step-on pedal activates both the roll lock and the swivel lock. ***It is essential that all casters on the shower chair be in an outward position before engaging the locks, for optimal forward, rearward and lateral stability.*** If equipped, disengage the optional directional caster lock before rotating the rear caster to the rearward position and applying the caster's dual-locks.

USERS MUST NOT lean forward while sitting in the Raz Mobile Shower Commode Chair as this may cause the chair to tip forward.

USERS MUST NOT wheel down a ramp without an attendant who can hold onto the chair during the descent.

CASTER LOCKS ARE NOT BRAKES! **Never use caster locks to slow down the shower chair when descending inclines as this could cause the chair to tip in the direction of travel.**

Lateral Stability

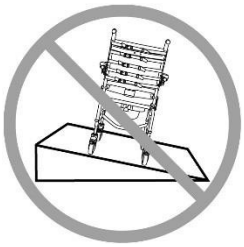
USERS MUST NOT lean over the edge of a Raz Mobile Shower Commode Chair as this could cause the chair to tip.

USERS MUST NOT attempt to pick up objects from the floor by leaning over and reaching – use a reacher or ask for assistance from an attendant.

USERS MUST NOT *position the Raz Mobile Shower Commode Chair on a side slope as this could cause it to tip****.***

Ramps and Other Inclines

Ramps and other surfaces that are not level (such as slopes into wheel- in showers) must be tested with an attendant to ensure that they don't compromise the chair's stability. A qualified healthcare professional should be consulted to assist with this process.



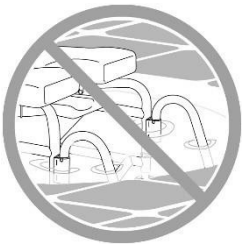
DO NOT push or pull the Raz-AT up or down an incline or ramp that exceeds a 1:12 grade (5° slope)**.**

DO NOT *allow any user to be propelled (pushed or pulled) in a Raz-AT except by an attendant.*

ALWAYS CHECK THAT THE RAZ-AT SHOWER CHAIR IS STABLE BEFORE IT IS OCCUPIED BY ANY USER AT ANY TIME.

Immersion

The Raz Shower Chair is not designed to be used as a pool chair. Do not immerse the shower chair in whole or in part, in water or any other liquid. Immersion may result in damage to the shower chair.



Chlorine Exposure

Suitable for use in wet areas, but not pools and similarly corrosive environments.

> ***DO NOT*** store the device near pools because chlorine in the air can cause rust to form on some of the chair's stainless steel components.

Transfers

The most dangerous part of using any shower chair is the transfer. Since every chair has different stability characteristics, it is essential to carefully review and test the transfer technique to ensure that the procedure is safe. Test transfers should be performed with an attendant who can prevent the chair from tipping or moving during the transfer. If you feel that the transfers cannot be repeatedly performed safely, contact a healthcare professional who is familiar with transfer techniques and options. Individuals who have not learned safe transfer skills must seek assistance during transfers and may require the use of a mechanical lift.

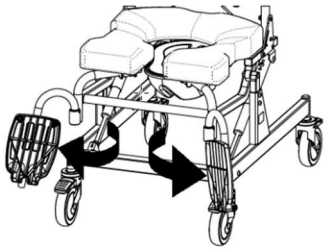
Transferring onto a Raz-AT Shower Chair

ALWAYS lock all four casters in an outward position (front casters positioned in the forward position/rear casters positioned to the rear) for maximum chair stability.

Transfers should never be attempted with the shower chair positioned on slippery surfaces. It is recommended that transfers be performed on clean, dry, non-slippery surfaces. Hard surface flooring such as tile, wood or concrete may not provide sufficient grip to keep locked casters and/or rear wheels from sliding. A fully-carpeted surface is optimal. Be aware that area rugs and shower mats can slide on floors and thereby present a hazardous surface.

DO NOT stand on any part of the frame of the Raz-AT Shower Chair.

NEVER use the footplates to assist in transfers. This could cause the chair to tip. The footrests should be swung to the side or removed entirely during transfers to provide unobstructed access to the shower chair.



Tilt Function
ALWAYS check the tilt function and ensure both locking gas springs and release cable assemblies are fully operational ***BEFORE*** the chair is occupied by the user.

A pelvic strap can act as an additional safeguard for the user. A pelvic strap may be ordered as an option with the Raz-AT.

DO NOT *attempt to tilt an occupant if the attendant is physically incapable of safely and smoothly operating the tilt function.*

NEVER leave the user unattended in a Raz-AT.

The Raz-AT ***is NOT*** *intended for use as a transportation device or a long-term seating system.*

IMPORTANT !

USERS SHOULD NEVER BE LEFT UNATTENDED IN A RAZ MOBILE SHOWER COMMODE CHAIR.

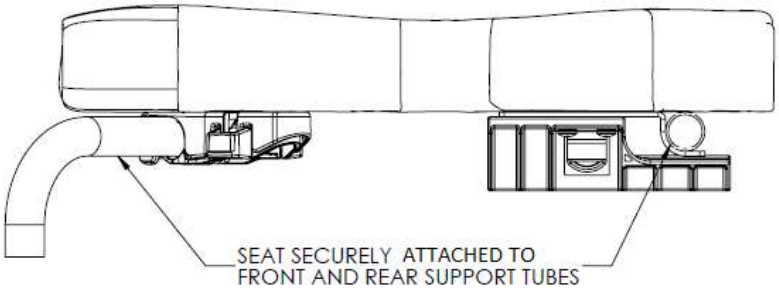
IMPORTANT !

DO NOT LIFT A RAZ MOBILE SHOWER COMMODE CHAIR AND OCCUPANT BY THE ARMRESTS OR FOOTRESTS!

IMPORTANT !

ALWAYS BE SURE THAT THE SEAT IS PROPERLY INSTALLED AND LATCHED BEFORE A USER IS TRANSFERRED ONTO THE CHAIR. THE REAR SEAT ATTACHMENT BRACKETS MUST BE FULLY HOOKED UNDER THE REAR SEAT SUPPORT TUBES. THE FRONT SEAT ATTACHMENT BRACKETS MUST BE SECURELY LATCHED AROUND THE FRONT SEAT SUPPORT TUBES. BOTH FRO NT AND REAR SEAT ATTACHMENT BRACKETS SHOULD BE SECURED IN PLACE BY TIGHTENING THE 8 SCREWS ON THE UNDERSIDE OF THE SEAT.

INSTRUCTIONS FOR THE PROPER REMOVAL AND INSTALLATION OF THE SEAT FOR CLEANING MUST BE PROVIDED TO THE USER AND / OR ATTENDANTS.



IMPORTANT !

THE RAZ-AT IS INTENDED FOR FOLLOWING USES:

- **AS AN AID FOR SHOWERING/BATHING, GOING TO THE TOILET, AND FOR OTHER ACTIVITIES ASSOCIATED WITH PERSONAL CARE AND PERSONAL HYGEINE;**
- **AS A SUPPORT FOR THE BODY OF THE USER IN A SEATED OR RECLINED POSITION;**
- **WITH OR WITHOUT THE ASSISTANCE FROM A CAREGIVER;**
- **OVER A STANDARD TOILET, OR AS A COMMODE WITH THE COMMODE PAN;**
- **IN INDOOR ENVIRONMENTS ONLY;**
- **IN BOTH TYPE A, HIGH USAGE (e.g. INSTITUTIONAL) ENVIRONMENTS AND IN HOME ENVIRONMENTS**

THE RAZ-AT DOES NOT PERFORM ANY THERAPEUTIC OR DIAGNOSTIC FUNCTIONS, AND IS NOT INTENDED FOR USE FOR ANY THERAPEUTIC OR DIAGNOSTIC PURPOSES. ALL PRODUCTS WITHIN THE RAZ FAMILY ARE NON-STERILE, REUSABLE, NON-INVASIVE, AND NON-IMPLANTABLE.

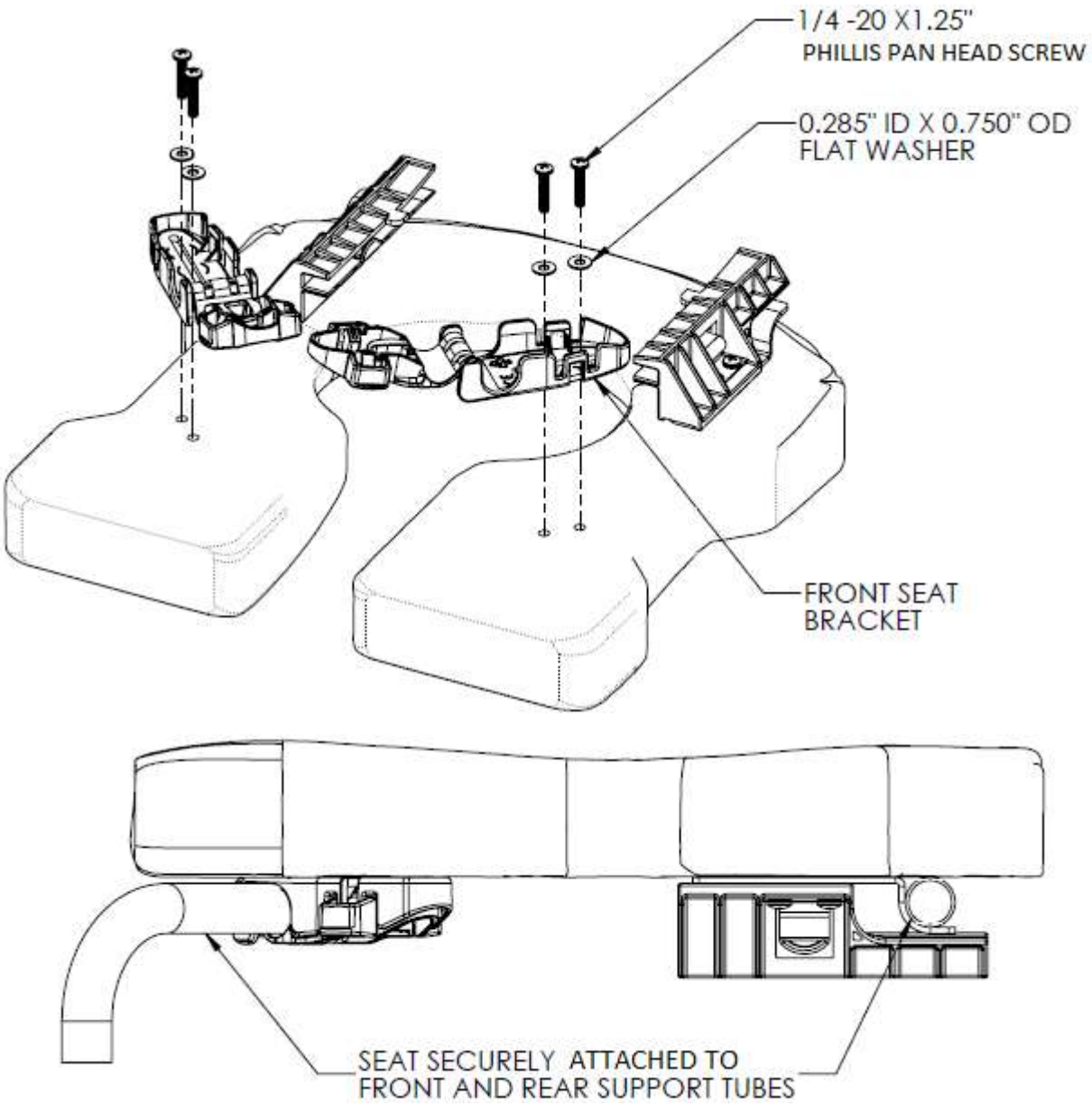
THE RAZ-AT IS INTENDED TO BE USED BY PEOPLE WITH MOBILITY IMPAIRMENTS, WHO MAY HAVE DIFFICULTY IN STANDING OR KEEPING THEIR BALANCE WHILE COMPLETING ACTIVITIES SUCH AS SHOWERING, TOILETING, OR PERSONAL HYGIENE. TYPICAL USERS HAVE LIMITED ENDURANCE AND POSTURAL CONTROL, AND MAY REQUIRE ASSISTANCE FROM A CAREGIVER FOR ACTIVITIES SUCH AS SHOWERING, TOILETING, OR PERSONAL HYGIENE. FOR PRODUCTS WITH RECLINE FUNCTION, USE OF THE RECLINE FUNCTION MAY BE CONTRA-INDICATED WHERE THE USER IS SENSITIVE TO SHEARING FORCES ON SEATED SURFACES WHEN OPENING THE SEAT-TO BACK-ANGLE.

LABELS OR SYMBOLS ON THE PRODUCT

PRODUCT DESIGNATION	RAZ-AT
MANUFACTURER ADDRESS	Raz Design Inc. 135 Railside Road Toronto, ON Canada M3A 1B7
AUTHORIZED REPRESENTATIVE DETAIL	EC REP UKRP CH REP
PRODUCT IDENTIFER (PI)	SN RAT-XXXXXX
UDI-DI	UDI 628758003007
MEDICAL DEVICE	MD
EUROPEAN CONFORMITY	CE
DATE OF MANUFACTURE	
MAXIMUM USER WEIGHT	
READ USER MANUAL	

FRONT SEAT BRACKET INSTALLATION (IF APPLICABLE)

TORONTO, CANADA



We have improved the design of our front seat brackets. Similar to the original design in its provision of stability, this design also provides improved durability and functionality.

Please refer to the above image for the installation procedure.

Note: Please install the Phillips Pan Head Screws by hand. The use of power tools may cause the bracket to deform.

After installation, ensure the brackets are secured onto the seat. Open and close the brackets to check for proper functionality.

Always be sure that the seat is properly installed and latched. The rear hooks must be fully engaged and the front brackets must be latched and locked around the front seat support tubes.

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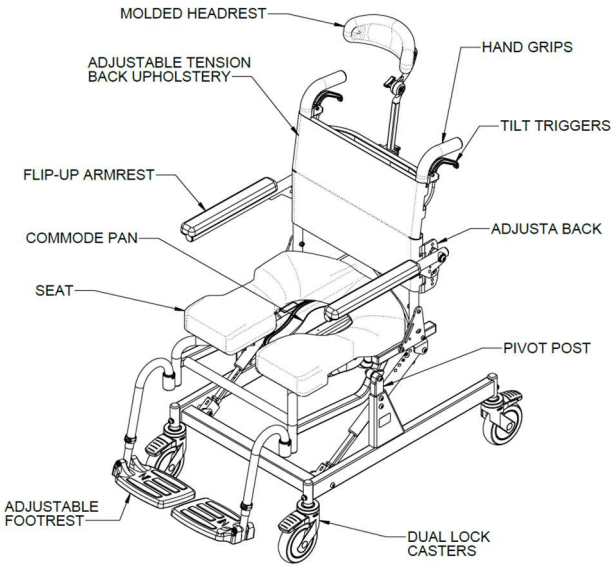
1.0 GENERAL INFORMATION

1.1 Raz-AT Mobile Shower Commode Chair Overview



1.2 Raz-AT Mobile Shower Commode Chair Specifications

Raz-AT SPECIFICATIONS	
WEIGHT CAPACITY	185 kg / 407 lbs
FRAME WIDTH (seat and back frame)	46 cm (18”)
OVERALL WIDTH	57 cm (22.5”)
OVERALL LENGTH (with footrests and not tilted)	100 cm (39.5”)
SEAT WIDTH (commode seat)	46 cm (18”)
SEAT DEPTH (front of back post to front of seat)	41-46cm, 48-53cm (16”-18”, 19”-21”)
CLEARANCE HEIGHT with pan brackets: without pan brackets:	43-53 cm (17”-21”) 45-55 cm (17.75”-21.75”)
ARMREST HEIGHT ABOVE SEAT (adjustable in ½” increments) 17” Adjusta-Back 20” and 24" Adjusta-Back	17-24cm (6.5”-9.5”) 19-27cm (7.5”-10.5”)
SEAT-TO-FLOOR HEIGHT	54-64 cm in 25mm increments (21.25”-25.25” in 1” increments)
PRODUCT WEIGHT (with footrests)	28 kg (61 lbs)
FRAME AND HARDWARE MATERIAL	Stainless Steel (Lifetime warranty against corrosion)
MINIMUM TURNING CIRCLE	109 cm(43”)

2.0 Raz-AT Assembly: INTENDED FOR DEALER USE ONLY

IMPORTANT NOTE: Use of power drivers is not recommended to prevent cold-welding of fasteners
TIPS:
- Apply a lubricant (liquid detergent, soap, lip balm, wax, etc.) to the threads prior to tightening the fasteners to reduce binding.

- Do not overtighten fasteners.

2.1 Caster Installation

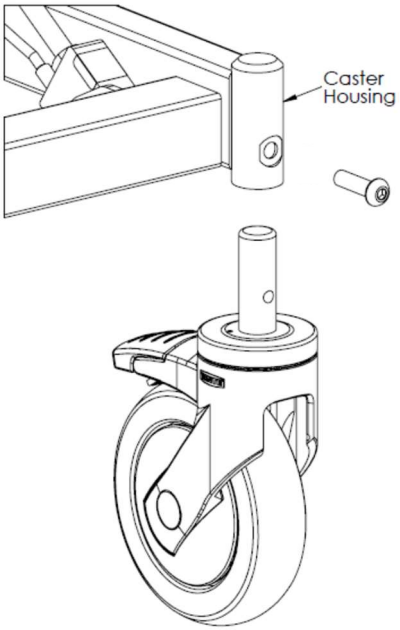
The Raz-AT chairs are shipped with casters not installed. Please follow the instructions below for caster installation.

Tool required: 5mm hex key

1. Remove the Raz-AT from the shipping carton.
2. Insert caster stem into caster housing on the base frame.
3. Align the threaded hole in the caster stem with the hole in the caster housing. (Tip: Apply the caster lock to facilitate aligning the hole)
4. Insert M8-1.25x30mm long button-head screw into the hole on the caster housing.

NOTE: Ensure each M8 s crew has medium strength thread locker solution on its threads before using.

5. Thread the M8 screw through the caster housing and into the caster stem.
6. Continue to thread the M8 screw until it is tight.
7. Repeat steps 1 to 5 until all four casters are secured in place.



2.2 Backrest Installation

Tools required: 5/32” hex key, 7/16” wrench

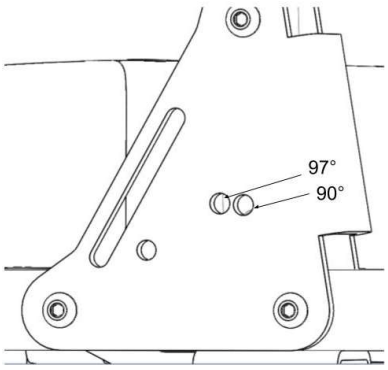
1. Lift the backrest to an upright position.
2. Insert an included 1½” long, hex socket button head screw through one of the two holes on the backrest plate, then push the screw through the backrest frame tube.

NOTE: Select the rear hole for a 90° backrest angle, front hole for a 97° backrest angle.

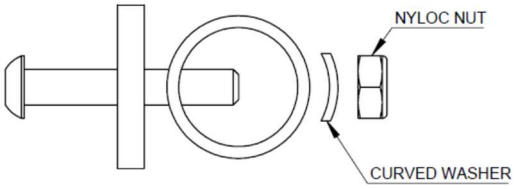
TIP: A Phillips screwdriver can be inserted through one of the plates and back posts to temporarily hold the back support in an upright position.

3. Attach the curved washer and locknut as shown below.
4. Tighten the assembly until the end of the screw extends 1 or 2 threads beyond the nylon locknut.
5. Repeat steps 2 to 4 for other backrest plate.

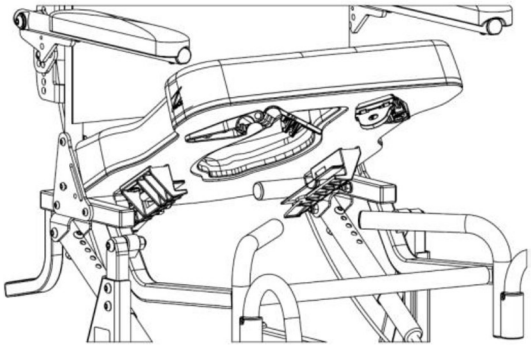
NOTE: Re-lubricate fasteners prior to tightening.



TOP VIEW OF BACKREST ASSEMBLY



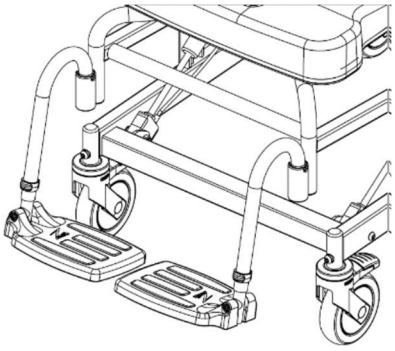
2.3 Raz Seat Installation



1. Ensure that the front brackets are in the open position. To open the front brackets, simply squeeze the tabs or the hinged portion of the bracket.
2. Slide the rear of the seat over the rear cross tubes as the front of the seat is lowered onto the frame. Check to make sure that the rear seat brackets hook below the cross tubes.
3. Continue lowering the front of the seat until the front seat brackets nestle onto the front seat support tubes.
4. Secure the seat in place by closing the front seat brackets. To close the seat bracket, snap the clamp back onto its other half around the front support tubes.
5. Reverse steps 1 to 4 to remove the seat from the frame.

*Please see page 4 for additional information.

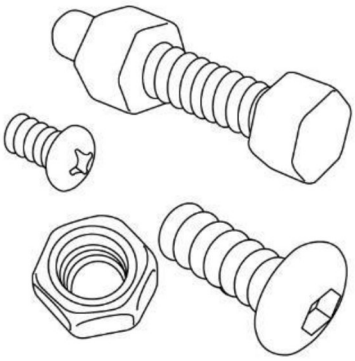
2.4 Adjustable Footrest Installation



1. Remove footrests from the inner accessory box.
2. Place the footrest hanger tubes into the receivers, welded at the front of the chair frame*. If the support tubes are directed forward, the pins on the tubes will engage with grooves in the receivers and lock in place.*

2.5 DEALER USE ONLY - Fastener Installation

All fasteners should be installed securely. Locknuts that are removed for any reason may need to be replaced rather than re-used. Check performance of nyloc nuts when re-attaching to screw. There should be significant detectable resistance when tightening. If not, replace the nyloc nut with a new one. It is advisable to check annually that all fasteners are secure.



3.0 ADJUSTMENTS: INTENDED FOR DEALER USE ONLY

IMPORTANT !

ADJUSTMENTS SHOULD NEVER BE ATTEMPTED WITH THE USER IN THE CHAIR.

3.1 Backrest Adjustment

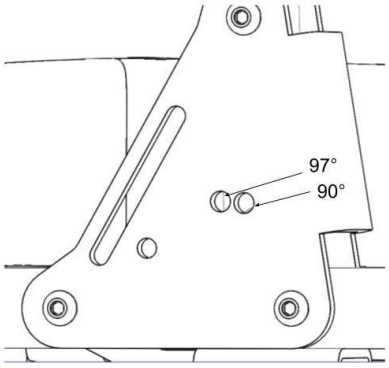
3.1.1 Backrest Angle Adjustment

Tools required: 5/32” hex key, 7/16” wrench

1. Loosen and remove the locknuts and curved washers inside both vertical backrest frame tubes.
2. Remove the middle ¼-20x1½” screw from the vertical backrest frame tube on both sides.
3. Rotate the backrest to one of the 2 positions on the backrest mounting plates.

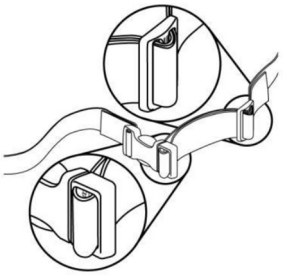
NOTE: Select the rear hole for a 90° backrest angle, front hole for a 97° backrest angle.

4. With the backrest in place, insert the screws through the selected holes on the backrest plates and push them through the frame tubes.
5. Fasten the other end of the screws with curved washers and locknuts.
6. Tighten the assembly with a hex key and wrench until the end of the screw extends 1 or 2 threads beyond the nylon locknut.



3.1.2 Adjustable-Tension Back Upholstery Adjustment

In order to adjust the back upholstery, each strap can be tightened or loosened in the buckles to achieve a wide range of positions.
For example, the second and third straps from the bottom can be tightened to create more pronounced support in the lumbar area of the back.

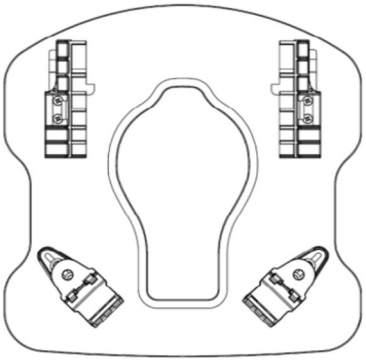


3.2 Seat Adjustment

3.2.1 Seat Depth Adjustment

The seat has approximately 2” of fore/aft adjustment.
Tool required: #2 Phillips screwdriver

1. Release the seat by opening the plastic front seat brackets.
2. Remove the seat by lifting up on the front edge and sliding the seat forward and away from the chair.
3. Loosen *(do not remove)* the eight screws attaching the front and rear seat brackets to the underside of the seat.
4. Return the seat to the chair frame, nestling the front seat clamps onto the front support tubes.
5. Slide/wiggle the seat to the desired position.
6. Tighten the screws just enough to hold the front seat brackets in place, making sure the seat is positioned squarely on the frame.
7. With the seat on the chair, slide the rear brackets back until they make firm contact with the rear cross tube, tighten the screws to hold the brackets in place.
8. Remove the seat *(steps 1 & 2)* and tighten all eight screws.
9. Secure the seat to the chair frame by following the seat installation steps in section 2.3.



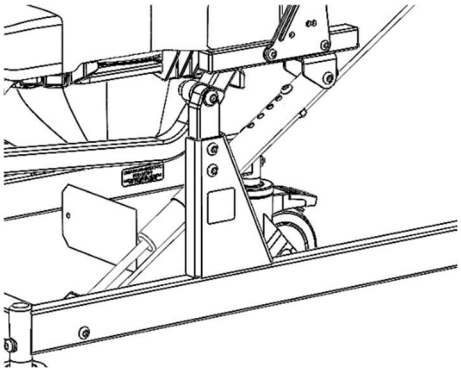
3.2.2 Seat Height Adjustment

To change the seat-to-floor height on a Raz-AT model, the seat frame is raised or lowered from the wheel base at the seat posts on both sides of the chair.

Tools required: 6mm hex key, 13mm wrench

1. Remove screws from the left and right seat posts on the chair.
2. Remove the screws from both gas strut extension tubes under the seat.
3. Raise or lower the chair to the height required for the user.
4. Adjust the seat to a position level to the ground.
5. Return the screws to their positions in the seat posts and gas springs on the chair.

Note: The screw on the gas strut extension tube will need to be relocated from its previous position in order to achieve a level seat.



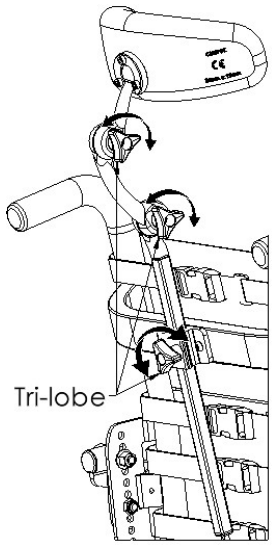
IMPORTANT !

INCREASING THE SEAT HEIGHT AND THE BACKREST ANGLE WILL DECREASE REARWARD STABILITY. IT IS ESSENTIAL THAT A STABILITY CHECK BE PERFORMED AFTER ANY OF THESE ADJUSTMENTS ARE MADE.

3.3 Molded Headrest Adjustment

Tool required: 5/32” hex key

1. Loosen the Tri-lobes on Molded headrest w/ Link Assembly and adjust the angle and height to user’s preference. Tighten the Tri-lobes fully to secure the angle and height of the molded headrest.
2. To change the angle of the headrest pad, loosen (do not remove) the three screws on the back of the Molded Headrest. Rotate the headrest around the end of the headrest mounting bar to suit user’s needs and tighten the screws to secure.
3. Ensure that all knobs and screws are tightened securely for the user’s safety.



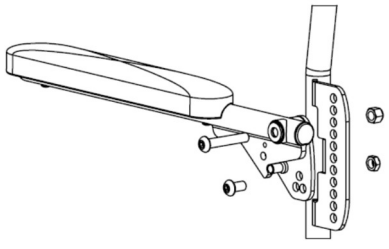
3.4 Armrest Adjustment – Adjusta-Back Option Only

3.4.1 Armrest Height Adjustment

The armrests are adjustable in height within a 3” range, in ½” increments *on the Adjusta-Back Option **only**.*

Tools required: 7/32” hex key, 9/16” wrench

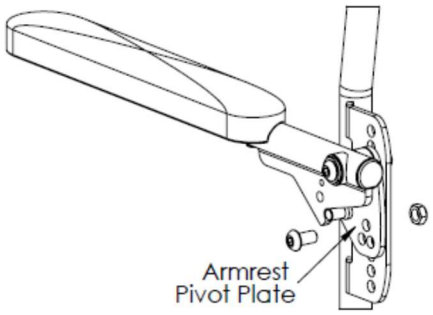
1. Loosen and remove the lower locknut.
2. Loosen and remove the upper locknut.
3. Keeping the armrest and armrest pivot plate assembly together, move the unit up or down on the armrest support weldment depending on the user’s needs.
4. Replace the locknut onto the upper screw.
5. Replace the locknut onto the lower screw.
6. Tighten screws and locknuts at the upper and lower.
7. Repeat steps 1 to 6 for the other armrest.



3.4.2 Armrest Angle Adjustment

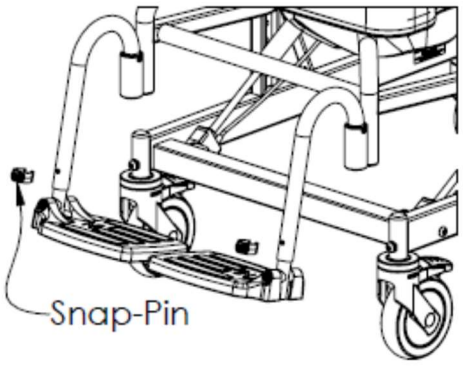
The armrest angle can be adjusted up 5° or down 5° if the backrest angle is adjusted from the 90° factory position.
Tools required: 7/32” hex key, 9/16” wrench

1. Loosen and remove the screw, washer and locknut on the bottom of the armrest pivot plate.
2. Keeping the upper screw in place, rotate the armrest assembly until the preferred position is reached by aligning one of the 3 holes (arranged in a triangle) on the armrest pivot plate with the holes on the armrest support weldment.
3. Insert the screw into the preferred position on the armrest pivot plate and attach the locknut.
4. Tighten the screw and locknut.
5. Repeat steps 1 to 4 for the other armrest.



3.5 Adjustable Footrest Adjustment

1. Remove a plastic snap-pin from one footrest hanger tube.
2. Adjust the footplate extension tube vertically to achieve the desired height in the footrest hanger tube.
3. Insert the snap-pin through the footrest hanger tube and the extension tube. Ensure that the snap-pin is completely through the tube and that the green plastic clip is snapped securely around the outside of the hanger tube.
4. Repeat steps 1 to 3 for the other footplate.



4.0 USE AND OPERATION

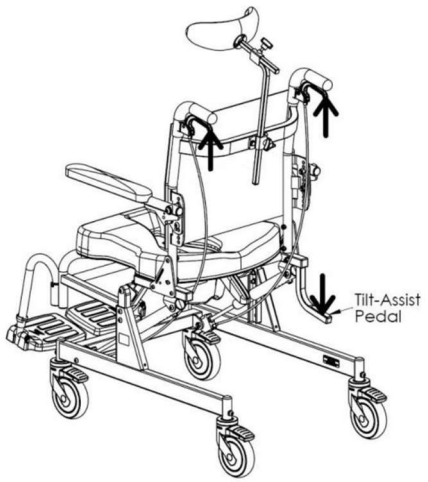
IMPORTANT !

ADJUSTMENTS SHOULD NEVER BE ATTEMPTED WITH THE USER IN THE CHAIR.

4.1 Tilt Function

The Raz-AT Shower Commode tilts up to 40° to provide comfort and relieve pressure for the user. Two gas spring struts facilitate this action and make the tilt smooth for the user and facilitate the tilting function for the attendant. To tilt the chair, the attendant must squeeze both tilt triggers and move the chair to the desired angle. To lock the chair in place, the triggers are simply released. Directly after purchase, the triggers and springs may seem stiff. This stiffness is normal and diminishes with use. Using the tilt-assist pedal will help to tilt the seat frame back. The tilt function must only take place when the casters are locked.

NOTE: When the chair is mounted at the lowest height setting the maximum potential tilt angle is 40°. The higher the chair is set, the fewer degrees the chair can be tilted back. (With a seat-to-floor height of 25" the chair can be tilted back 36°).

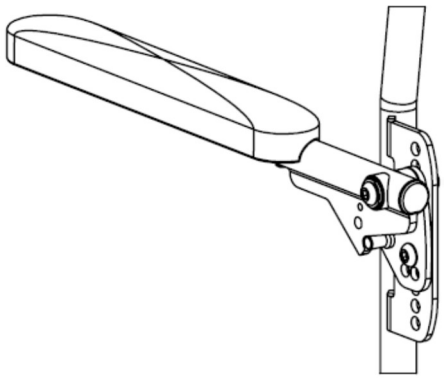


IMPORTANT !

DO NOT ATTEMPT TO TILT A RAZ SHOWER CHAIR IF THE ATTENDANT IS PHYSICALLY INCAPABLE OF SAFELY AND SMOOTHLY OPERATING THE TILT MECHANISM WITH A USER OCCUPYING THE CHAIR. ANY ATTENDANT MUST BE FAMILIAR WITH PROPER TILTING TECHNIQUES PRIOR TO ASSISTING A USER IN THE SHOWER COMMODE. A PELVIC STRAP IS RECOMMENDED FOR ANY USER AS AN EXTRA SAFETY PRECAUTION.

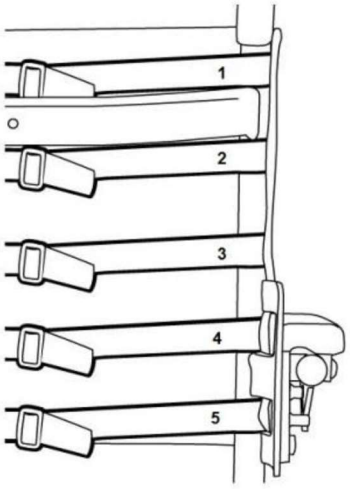
4.2 Adjusta-Back Backrest

The Adjusta-Back is adjustable in angle and has armrests that can be adjusted in height and angle. If optional armrest locks are included, they will lock automatically when flipped down. The Adjusta-Back can be ordered in either 15", 17", 20" or 24" back heights.



4.3 Adjustable-Tension Back Upholstery

The Adjusta-Back Backrests come with an Adjustable-Tension Back Upholstery that provides trunk support for optimal positioning and comfort. The upholstery is removable for machine washing and available in the 15” (4 straps), 17” (5 straps), 20” (6 straps), and 24” (7 straps) heights in accordance to the back height selected for the chair.



To install Adjustable-Tension Back Upholstery on a 17” high Adjusta-Back:

1.0 Place the fabric against the front of the backrest canes making sure that when wrapped around, the clips on the straps face away from the fabric and the loops point downwards.

2.0 The highest strap (1) is positioned above the crossbar.

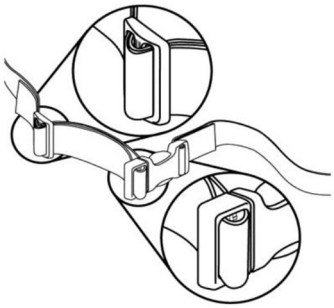
3.0 Second (2) and third (3) straps are positioned between the crossbar and backrest mounting plates. A 15” high back will only have a single strap at this location.

4.0 The fourth (4) and fifth (5) straps are fed through the slots in the armrest mounting plates.

5.0 A 20” high back includes a sixth strap, which is positioned below the armrest mounting plates.

6.0 Adjust all of the straps to meet the user’s needs.

NOTE: For the 24” Adjusta-Back, the two highest straps should be located above the backrest crossbar. The other five straps are located the same as the 20” Adjusta-Back.



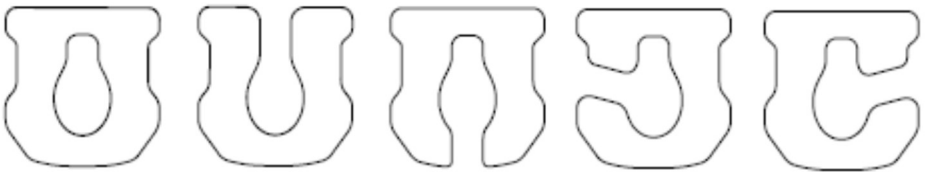
In order to adjust the back upholstery of the backrest, each strap can be tightened or loosened to achieve a wide range of positions. For example, the second and third straps from the bottom can be tightened to create more pronounced support in the lumbar area of the back.

To remove the Adjustable-Tension Back Upholstery, release the buckles on the straps.

4.4 Molded and Visco-Foam Interface Seats

The standard molded seats on Raz-AT Shower Chairs were designed to help stabilize the pelvis and are contoured for pressure reduction. The molded seats are made from soft, integral-skin foam and are available in four configurations: 16”-deep front open, 16”-deep bridged front, 19”-deep front open and 19”-deep bridged front. Also available as an upgrade in pressure reduction are Visco-Foam Interface seats. The Visco-Foam seats are available in 16” and 19” seat depths, each with 5 configurations: bridged front, front open, rear open, left open, and right open.

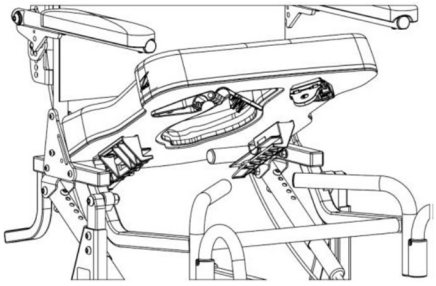
All seats feature the unique Ischial Pelvic Alignment System (IPAS) that provides 2” of fore and aft adjustment, locks in place for transfers and removes easily for cleaning. Optional spacers for anterior or posterior seat angle are available. All Raz chairs fit over most standard toilet bowls when the commode pan is not in place.



Bridged Front | Front Open | Rear Open | Left Open | Right Open

To install a Raz Seat:

1. Ensure that the front brackets are in the open position. To open the front brackets, simply squeeze the tabs on the hinged portion of the bracket.
2. Slide the rear of the seat over the rear cross tubes as the front of the seat is lowered onto the frame. Check to make sure that the rear seat brackets hook below the cross tubes.
3. Continue lowering the front of the seat until the front seat brackets nestle onto the front seat support tubes.
4. Secure the seat in place by closing the front seat brackets. To close the seat bracket, snap the clamp back onto its other half around the front support tubes.
5. Reverse steps 1 to 4 to remove the seat from the frame.
   *Please see page 4 for additional information.

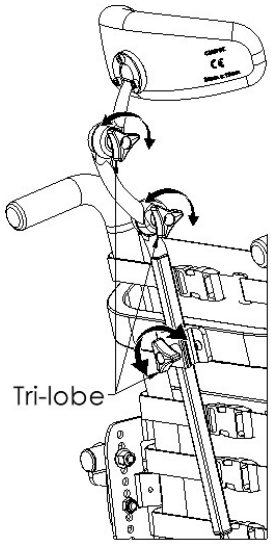


IMPORTANT !

NEVER ATTEMPT TO CHANGE THE SEAT HEIGHT WITHOUT THE HELP OF A QUALIFIED DEALER. HIGHER SEAT POSITIONS WILL REDUCE THE CHAIR’S STABILITY AND MAY RESULT IN TIPPING AND INJURY.

4.5 Molded Headrest

A Molded Headrest is included with all Raz-AT Shower Chairs. The Molded Headrest is shaped to cradle the head comfortably and is easy to clean. The Molded Headrest can be adjusted indefinitely forward and backwards within a 5” range and vertically within a 11½” range.



To adjust the Molded Headrest:

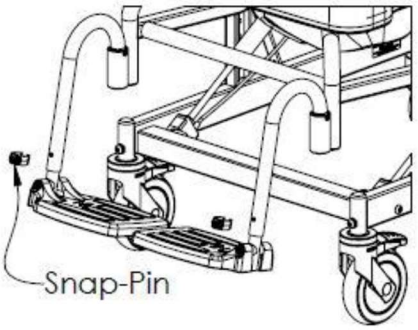
1. Loosen the Tri-lobes on Molded headrest w/ Link Assembly and adjust the angle and height to user’s preference. Tighten the Tri-lobes fully to secure the angle and height of the molded headrest.
2. To change the angle of the headrest pad, loosen (do not remove) the three screws on the back of the Molded Headrest. Rotate the headrest around the end of the headrest mounting bar to suit the user’s needs and tighten the screws to secure.
3. Ensure that all knobs and screws are tightened securely for the user’s safety.

4.6 Adjustable Footrests

Adjustable Footrests are standard on all Raz Shower Chairs. For transfers, the footrests can be flipped up, rotated away or removed entirely. Adjustable Footrests can be extended for users with longer legs with the optional footrest extension tube, a 2” longer tube that can be ordered for any Raz Shower Chair.

To insert the Adjustable Footrests:

1. Place the footrest hanger tubes into the footrest receivers.
2. If the hanger tubes are aligned forward, the pins on the tubes will engage with grooves in the receivers and lock in place.



To adjust the length of the Adjustable Footrests:

1. Remove the snap-pin from one footrest hanger tube.
2. Reposition the footplate to a length suitable for the user.
3. Insert the snap-pin through the footrest hanger tube and through the inner tube.

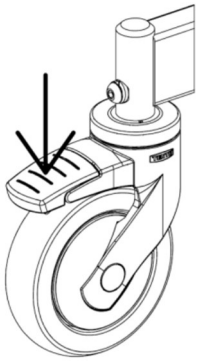
To rotate the Adjustable Footrests:

1. Lift the footrest hanger tubes to disengage the pins.
2. Rotate the footrests outward or inward.

To remove the Adjustable Footrests, lift the footrests out of the receiving sleeves on the frame.

4.7 Casters

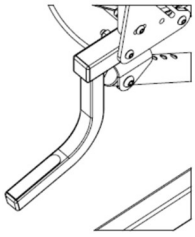
Each Raz Shower Chair caster is equipped with a dual-lock feature, which stops the caster from swiveling and rolling simultaneously. To engage the dual-lock, step on the end of the caster brake lever until it latches in the “on” position. To deactivate the dual-lock, step on the raised end of the lever until it releases.



ALWAYS *release the directional lock (if applicable) and swivel all four casters to their outward position for maximum stability before transferring or tilting a user.*

4.8 Tilt-Assist Pedal

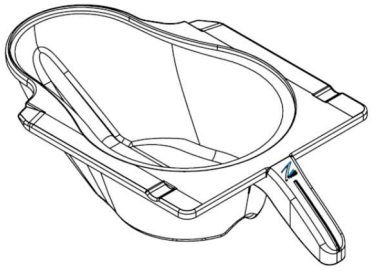
A Tilt-Assist Pedal is standard on the Raz-AT Shower Chair to facilitate tilting the chair for attendants.



4.9 Commode Pan

The Raz Commode Pan is designed with an elongated shape that fits directly under the seat to minimize back splash. A unique splash-reduction ridge is located at center of the pan. The high gloss surface facilitates cleaning and rinsing, while the pouring spout and handle facilitate emptying. Removal of the Commode Pan is achieved by sliding the pan rearward.

NOTE: When re-inserting the pan, ensure that the pan is guided into the green plastic brackets and pushed forward until it hits the stops.



IMPORTANT !

A QUALIFIED RAZ DEALER SHOULD BE CONTACTED TO CHECK ALL FASTENERS, CASTER AND WHEEL LOCKS, HARDWARE, AND ALL OTHER MOVING COMPONENTS AT LEAST ONCE PER YEAR.

IMPORTANT !

ANY ATTENDANT MUST BE FAMILIAR WITH PROPER TILTING TECHNIQUES PRIOR TO ASSISTING A USER IN THE SHOWER COMMODE. A PELVIC STRAP IS RECOMMENDED FOR ANY USER AS AN EXTRA SAFETY PRECAUTION.

5.0 CLEANING AND MAINTENANCE

5.1 Cleaning After Each Use

5.1.1 Commode Pan

1. Remove the commode pan and empty contents.
2. Wash the pan with a multi-purpose disinfectant cleaning solution. Use a soft brush if needed.
3. Rinse well before storage or re-use.

NOTE: A soapy hot water wash followed by a disinfectant spray can be substituted for a multi-purpose disinfectant cleaning solution.

5.1.2 Seat

1. Spray with a multi-purpose disinfectant cleaner and scrub with a soft brush as required.
2. Rinse with a water spray before storage or re-use.
   DO NOT IMMERSE the seat in water or cleaning solutions.
3. For a more thorough cleaning, remove the seat from the shower chair to allow better access to the underside of the seat and around the opening of the seat.

5.2 Cleaning As Needed

5.2.1 Adjustable-Tension Back Upholstery

1. Remove the plastic buckles and tri-glides from the back upholstery straps, paying attention to how the straps are wound through each component as they are removed.
2. Remove the back upholstery from the back frame and machine wash with a mild detergent in warm water on a normal or gentle wash cycle. Include other strap accessories such as the H-strap, pelvic and chest positioning straps.

3. Install the back upholstery and other positioning accessories on the chair and allow to dry. ***DO NOT dry the back upholstery in a clothes dryer or damage to the upholstery may occur.***
4. Assemble all plastic buckles and tri-glides onto straps.
5. Adjust the straps to the desired tension.

5.2.2 Frame, Armrests, Adjustable Footrests, and Other Components

1. Spray the frame and components with a multi-purpose disinfectant cleaner, scrub with a soft brushand rinse with water.
2. If necessary, spray the frame and components with a diluted (10 parts water to 1 part solution) calcium/lime remover (such as CLR), scrub with a soft brush and rinse thoroughly with water. ***DO NOT*** mix a calcium/lime removal solution with any other liquid or toxic fumes may occur.
3. ***DO NOT*** use chlorine bleach on any Raz components.

It is recommended to the user that a qualified Raz dealer check over all fasteners and subassemblies if there is cause for concern regarding the shower chair's performance.

Several times each year the shower chair and its components should be wiped down with a diluted calcium/lime removal solution to reduce deposits, followed by a hot water rinse.

To reduce the risk of mildew buildup, the entire chair should be wiped down with a soft dry cloth after the final rinse and before storage or use.

5.3 Suggested Cleaning Products

Task	Recommended Products
General Cleaning	Antibacterial Detergent
Tuberculocidal Surface Cleaner Intermediate Level Disinfectant	Oxiver TB (Virox Technologies Inc.) SepteFX 7D-11 (Titan Worldwide Inc.)
Calcium and Lime Deterrent	CLR

IMPORTANT !

DO NOT USE ABRASIVE SCRUBBING POWDERS OR SCOURING PADS ON THE RAZ SHOWER COMMODE CHAIR.

DO NOT SUBMERGE THE RAZ SHOWER CHAIR IN WATER.

RINSE THOUROUGHLY AFTER CLEANING TO ENSURE THAT ANY SOAP OR DETERGENT RESIDUE IS REMOVED.

DO NOT USE CLEANING PRODUCTS WITHOUT CONSULTING THE PRODUCTS' INSTRUCTIONS AND TAKING APPROPRIATE PRECAUTIONS FOR HUMAN EXPOSURE TO CHEMICALS.

6.0 LIMITED WARRANTY

This warranty is extended only to the original purchaser/user for Raz Mobile Shower Commode Chairs that have beenpurchased from a qualified Raz dealer.

This warranty gives you specific legal rights, but you may have additional legal rights depending on yourregion and country.

This warranty shall be extended to comply with state/provincial laws and requirements.

With regards to the original purchaser/user only, Raz Design warrants its base and back frame components to be free of defects in materials and workmanship for a period of two (2) years from the dateof purchase. All other components on the Raz Mobile Shower Commode Chair are covered for a period of one (1) year and are subject to normal wear and tear exclusions. If within such warranty period any such productshall be proven to be defective, the part will be repaired or replaced, at Raz Design's discretion. This warranty does not include any labor or shipping charges incurred in replacement, part installation, or repair of any such product.

For warranty service, please contact the dealer from whom you purchased your Raz Mobile Shower Commode Chair. In the event that you do not receive satisfactory warranty service, please contact Raz Design directlyusing the contact information located in either the beginning or the end of this manual. In your correspondence, please provide your dealer's name and address, the product type, the date of purchase,the chair's serial number (on a grey label located on the chair frame), as well as the nature of the productissue. Do not return products to the manufacturer without prior authorization.

Limitations and Exclusions:

The foregoing warranty shall not apply to serial numbered products if the serial number has been removed or defaced, and to products subjected to negligence or an accident. Improper operation, maintenance, or storage may void the warranty coverage on the Raz Mobile Shower Commode Chair.

The warranty does not apply to products modified without Raz Design's express written consent. This includes, but is not limited to, modification through the use of unauthorized parts or attachments, products damaged by reason of repairs made to any component by an individual or individuals who are not employed by a qualified Raz dealer, or to a product damaged by circumstances beyond Raz Design's control. Only Raz Design will have the authority to determine whether or not the circumstances are eligible for warranty coverage. The warranty will not apply to problems arising from normal wear or failure to adhere to the instructions contained in this manual.

The foregoing warranty is exclusive and in lieu of any other warranties, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose. The sole remedy for violations of any warranty whatsoever will be limited to repair or replacement of the defective product in compliance to the terms contained in this document.

The application of any implied warranty shall not extend beyond the duration of the express warranty provided herein. Raz Design will not be liable for any consequential or incidental damages to part or wholeof a Raz Mobile Shower Commode Chair.

Raz Design Inc. frame and hardware material are made of stainless steel for which we offer a lifetime warranty against corrosion. Please be advised this lifetime warranty is only extended to the original purchaser/user of Raz Shower Chairs that have been purchased from a qualified Raz dealer. Failure to comply with proper cleaning instructions may cause corrosion to the frame thereby voiding this warranty. Additionally, all claims of corrosion are subject to review and a request may be made for the return of the device in question, for thorough examination, before a replacement order can be processed.

7.0 CONTACTS

It is important that the Raz Mobile Shower Commode Chair be properly assembled and all adjustments be made carefully. Up-to-date manuals can be downloaded from www.razdesigninc.com. For clarification of any section of this manual, contact your distributor or the manufacturer.

MANUFACTURER
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Raz Design Inc.
135 Railside Rd. Toronto, ON, Canada, M3A 1B7
1.877.720.5678 / 416.751.5678
info@razdesigninc.com

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IMPORTANT !

PRODUCTS THAT CAN NO LONGER BE USED ARE TO BE DISPOSED OF SEPARATELY FROM HOUSEHOLD WASTE. THIS MUST BE DONE ACCORDING TO THE LOCAL AND NATIONAL REGULATIONS FOR ENVIRONMENTAL PROTECTION AND RAW MATERIAL RECYCLING. PLEASE LOOK AT YOUR LOCAL GOVERNMENT WEBSITE FOR FURTHER INFORMATION ON THE CORRECT DISPOSAL.

IF IT IS EVER FELT THAT ANY ASPECT OF THE RAZ SHOWER CHAIR IS IN NEED OF MAINTENANCE, CONTACT YOUR DEALER. ANY PROBLEMS THAT COULD AFFECT THE SAFE USAGE OF THE CHAIR MUST BE ATTENDED TO IMMEDIATELY. THE DEALER THAT PROVIDED THE SHOWER CHAIR MUST BE CONTACTED SO THAT REPAIRS CAN BE MADE PRIOR TO RESUMING USE OF THE CHAIR. IT MUST BE MADE CLEAR TO THE DEALER THAT THE SHOWER CHAIR IS IN NEED OF MAINTENANCE AND IS UNAVAILABLE FOR USE UNTIL REPAIRS HAVE BEEN UNDERTAKEN AND ALL PROBLEMS RESOLVED.

IF FOR ANY REASON, YOUR DEALER DOES NOT RESPOND TO YOUR SATISFACTION, PLEASE CONTACT RAZ DESIGN:
BY EMAIL info@razdesigninc.com
BY PHONE 1.877.720.5678 (North America)
1.416.751.5678 (Rest of World)