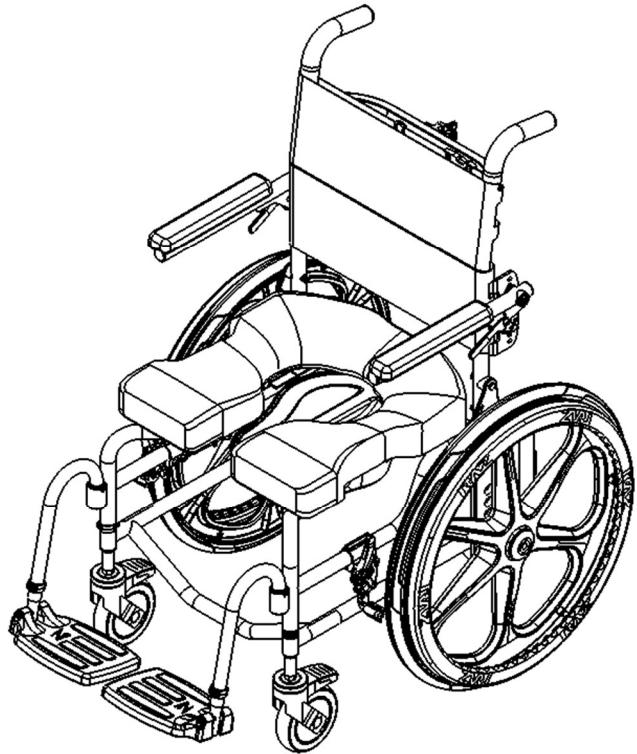
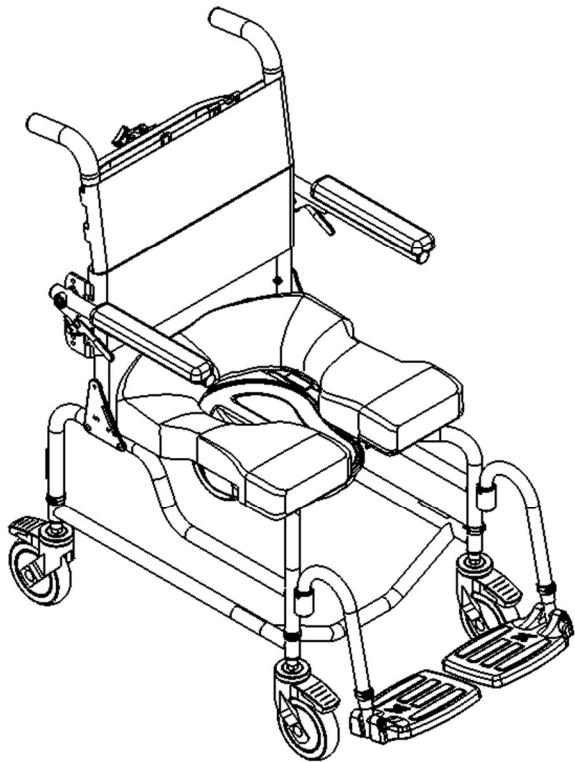




Mobile Shower Commode Chairs

**Raz-AP(Z100)
Raz-SP(Z200)**

User and Dealer Manual



EC REP	Advena Ltd. Tower Business Center 2nd Flr, Tower Street Swatar, BKR 4013 Malta
UKRP	Advena Ltd. Pure Offices, Plato Close Warwick, CV34 6WE UK
CH REP	Senectovia Medizinaltechnik AG In der Luberzen 1, 8902 Urdorf, Switzerland



BASIC UDI-DI: 628758RAZDESIGNINC2004V9

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 Mobile Shower Commode 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

Raz Design Inc.

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info@razdesigninc.com



CHAIR CLASSIFICATION BASED ON MAXIMUM USER WEIGHT

AP / SP	185 kg (407 lbs)
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SAFETY WARNINGS TO CONSIDER FOR RETAIL 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 lever 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 so 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 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.

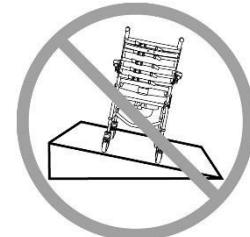


Lateral Stability

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

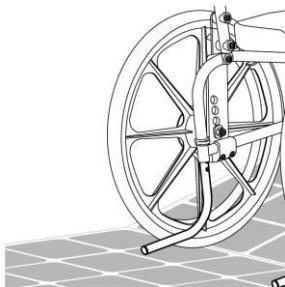
USERS MUST NOT attempt to pick up objects from the floor by leaning over and reaching – a reacher or assistance from others should be employed.

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



Rearward Stability

USERS MUST NOT wheel up an incline on a Raz-SP without ensuring the optional rear anti-tippers are in place. The optional anti-tippers must be ordered with the Raz-SP and properly installed before wheeling on uneven surfaces.



Anti-Tippers

Anti-tippers are an option for Raz Shower Commode Chairs. These are recommended when the chairs are used on uneven surfaces such as ramps or sloped floors, when used by lower-limb amputees, when the rear wheels are moved forward from the factory-set position, or when rearward stability is compromised.

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 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-AP 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-AP Shower Chair in any other manner, than by an attendant.



IMPORTANT !

THE REARWARD STABILITY OF THE RAZ-SP IS AFFECTED BY THE MOUNTING LOCATION OF THE REAR WHEELS, THE PHYSICAL AND CLINICAL CHARACTERISTICS OF THE USER AND THE ANGLE OF THE BACK SUPPORT. THE NEED FOR ANTI-TIPPERS SHOULD HAVE BEEN DETERMINED AT THE TIME OF THE PRESCRIPTION OF THE RAZ-SP WITH CONSIDERATION OF THE USER'S PHYSICAL ATTRIBUTES AND ENVIRONMENT. ANTI-TIPPERS MAY BE ORDERED AS A RETROFIT AT ANY TIME IF IT IS DETERMINED THAT THEY ARE REQUIRED.

Immersion

The Raz Mobile Shower Commode Chair is not designed to be used as a pool chair. Do not immerse the shower chair in water or any other liquid, whole or in part. 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 may cause rust in 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 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 a mechanical lift.

Transferring onto a Raz-AP

ALWAYS lock all four casters with the front casters in the forward position, for maximum chair stability.



Transferring onto a Raz-SP

ALWAYS lock both front casters forward and fully apply both wheel locks to securely engage the rear wheels.

The wheel locks are designed to prevent the self-propelling wheels from rotating. The dual-locks on the casters are designed to prevent the casters from rotating and the caster forks from swiveling. Caster locks and wheel locks **DO NOT and CANNOT** prevent the shower chair from sliding/moving if the floor is slippery. A slippery floor can be caused by dust, water, soap, or any substance that does not allow the casters/rear wheels to grip the floor securely.

Transfers should never be attempted with the shower chair positioned on slippery surfaces.

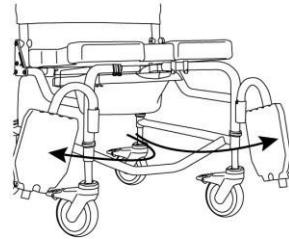
It is recommended that transfers be performed on clean, dry, non-slippery surfaces. Hard surface flooring such as tile, wood, or concrete may not provide sufficient grip to keep locked casters and/or rear wheels from sliding. A fully carpeted surface is optimal. Be aware that area rugs and shower mats can slide on floors and thereby present a hazardous surface.



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

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

The Raz Mobile Shower Commode Chair **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 SHOWER CHAIR.

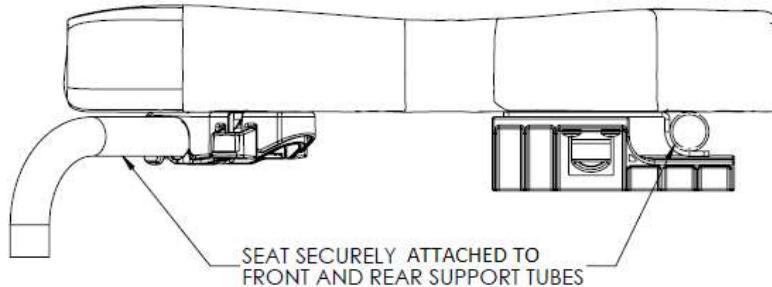
IMPORTANT !

DO NOT LIFT A RAZ MOBILE SHOWER COMMODE CHAIR AND OCCUPANT BY THE ARM SUPPORTS OR FOOT SUPPORTS!

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 FRONT 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-AP AND RAZ-SP ARE INTENDED FOR THE FOLLOWING USES:

- AS AN AID FOR SHOWERING/BATHING, GOING TO THE TOILET, AND OTHER ACTIVITIES ASSOCIATED WITH PERSONAL CARE AND PERSONAL HYGIENE;
- AS A SUPPORT FOR THE BODY OF THE USER IN A SEATED 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-AP AND RAZ-SP DO NOT PERFORM ANY THERAPEUTIC OR DIAGNOSTIC FUNCTIONS AND ARE 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-AP AND RAZ-SP ARE 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.

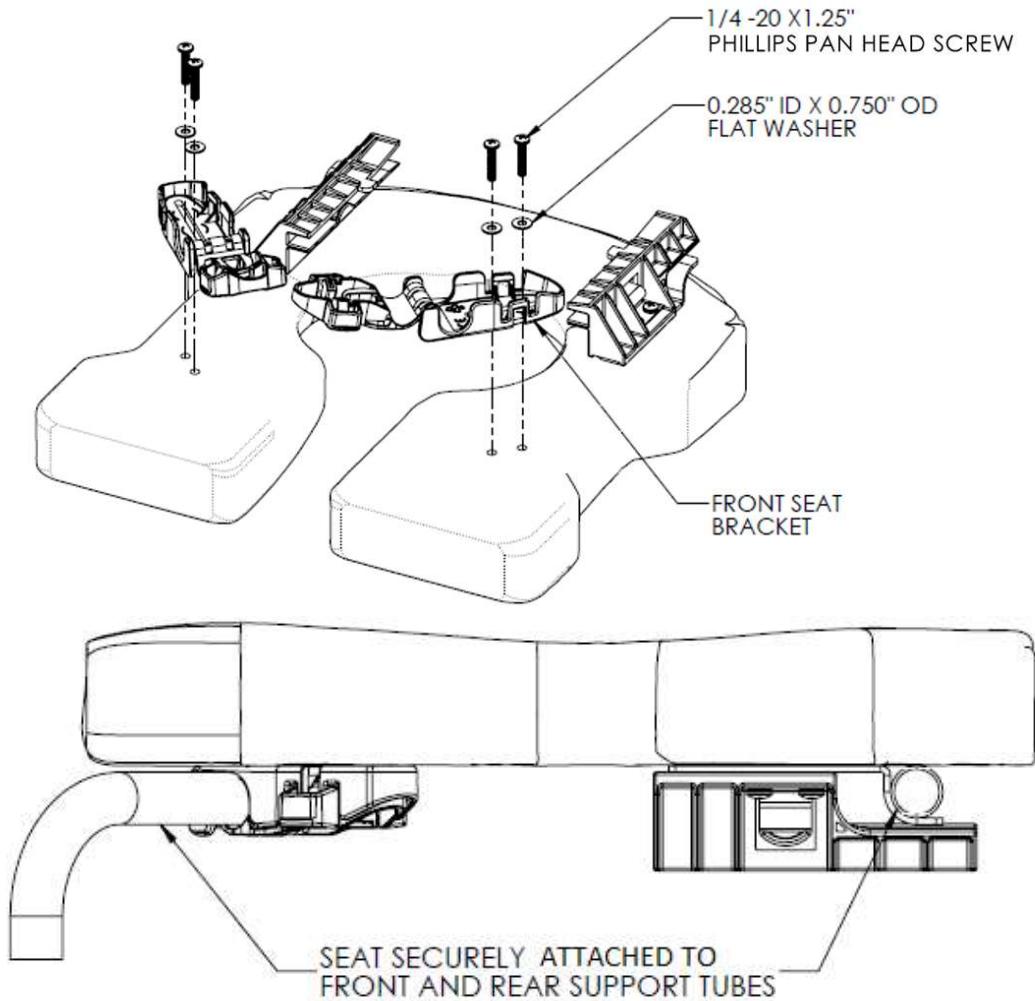
LABELS OR SYMBOLS ON THE PRODUCT

PRODUCT DESIGNATION	RAZ-AP / RAZ-SP
MANUFACTURER ADDRESS	 <p>Raz Design Inc. 135 Railside Road Toronto, ON Canada M3A 1B7</p>
AUTHORIZED REPRESENTATIVE DETAIL	 <p>UKRP</p> 
PRODUCT IDENTIFIER (PI)	 <p>RAS-XXXXXX</p>
UDI-DI	 <p>AP: 628758001003 SP: 628758002000</p>
MEDICAL DEVICE	
EUROPEAN CONFORMITY	
DATE OF MANUFACTURE	
MAXIMUM USER WEIGHT	
READ USER MANUAL	

FRONT SEAT BRACKET INSTALLATION (IF APPLICABLE)



TORONTO, CANADA



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.

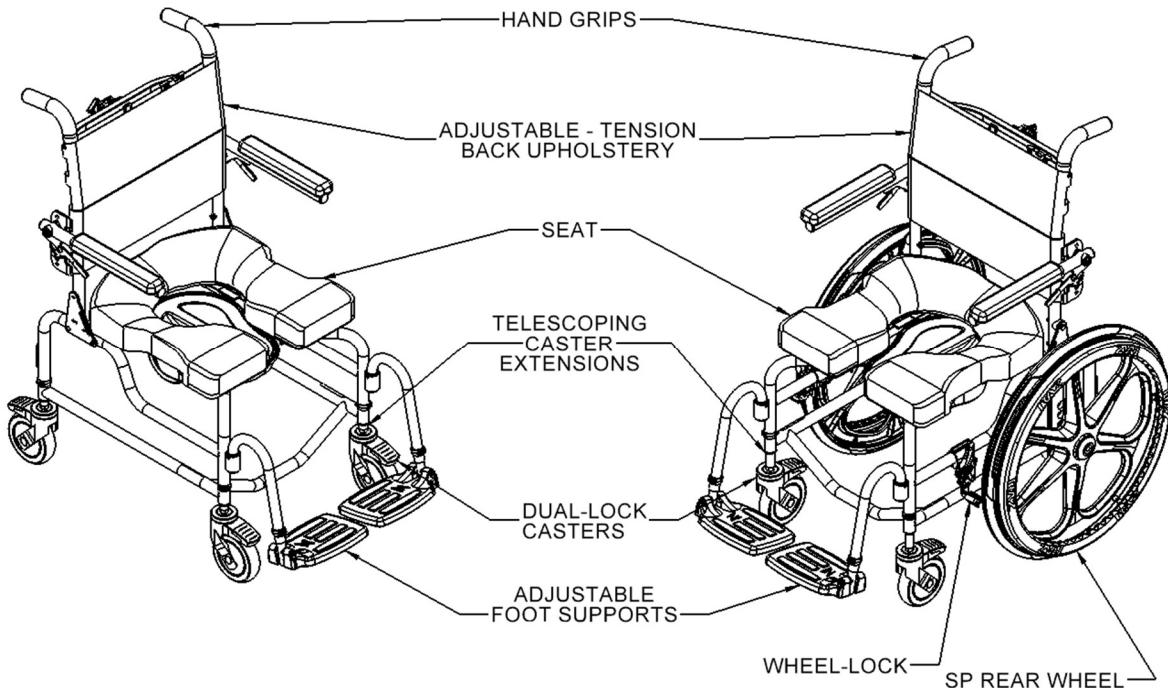
Always be sure that the seat is properly installed and latched. The rear hooks must be fully engaged with the rear seat support tubes and the front brackets must be latched and locked around the front seat support tubes.

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1.0 GENERAL INFORMATION

1.1 Raz-AP/SP Mobile Shower Commode Chairs Overview



1.2 Raz-AP/SP Mobile Shower Commode Chairs Specifications

SPECIFICATIONS	Raz-AP	Raz-SP (22" Wheels)	Raz-SP (24" Wheels)
WEIGHT CAPACITY	185 kg (407 lbs)	185 kg (407 lbs)	185 kg (407 lbs)
FRAME WIDTH seat and back frame	46 cm (18")	46 cm (18")	46 cm (18")
OVERALL WIDTH	58 cm (22.75")	65 cm (25.5")	65 cm (25.5")
OVERALL LENGTH with foot supports	86 cm (34")	100 cm (39.5")	103 cm (40.5")
SEAT WIDTH (commode seat)	46 cm (18")	46 cm (18")	46 cm (18")
SEAT DEPTH front of the back post to the front of the seat	43 or 51 cm (17" or 20")	43 or 51 cm (17" or 20")	43 or 51 cm (17" or 20")
CLEARANCE WIDTH	41 cm (16")	41 cm (16")	41 cm (16")
CLEARANCE HEIGHT with pan brackets	39-49 cm (15.25"-19.25")	39-49 cm (15.25"-19.25")	39-46 cm (15.25"-18.25")
CLEARANCE HEIGHT without pan brackets	41-51 cm (16"-20")	41-46, 51 cm (16"-18",20")	41-48 cm (16"-19")
ARM SUPPORT (ARMREST) HEIGHT ABOVE SEAT 17" high Adjusta-Back	17-24 cm (6.5"-9.5") in 1.25 cm (½") increments	17-24 cm (6.5"-9.5") in 1.25 cm (½") increments	17-24 cm (6.5"-9.5") in 1.25 cm (½") increments
SEAT-TO-FLOOR HEIGHT	51-61 cm (20"-24") in 2.5 cm (1") increments	51-56, 61 cm (20"-22", 24") in 2.5 cm (1") increments	51-58 cm (20"-23") in 2.5 cm (1") increments
PRODUCT WEIGHT with foot supports	17 kg (38 lbs)	21 kg (47 lbs)	22 kg (49 lbs)
FRAME AND HARDWARE MATERIAL	Stainless Steel (Lifetime warranty against corrosion)		
MINIMUM TURNING CIRCLE	93 cm (36.75")	152 cm (60")	152 cm (60")

2.0 SET-UP: INTENDED FOR DEALER USE ONLY

IMPORTANT NOTE: If the threads are not lubricated, cold-welding of fasteners can occur.

- Apply a lubricant (liquid detergent, soap, lip balm, wax, etc.) to the threads before tightening the fasteners to reduce the possibility of cold welding.
- Do not overtighten fasteners.

IMPORTANT !

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

2.1 Back Support

2.1.1 Back Support Installation – SP Model

Tools required: (x2) 7/16" wrenches

1. Remove the shower chair from the shipping carton.
2. Place a coved spacer on the outsides of both vertical back support frame tubes. Align the spacer with the hole on the bottom of the frame.
3. Lift the back support to an upright position to trap the coved spacers between the back support mounting plates and the back support frame tubes.

TIP: For a one-person assembly, place one coved spacer on the back support tube just below the pivot point of the back support frame, partially lift the back support to secure it in place, place the second coved spacer on the other back support tube, and lift the back support to an upright position.

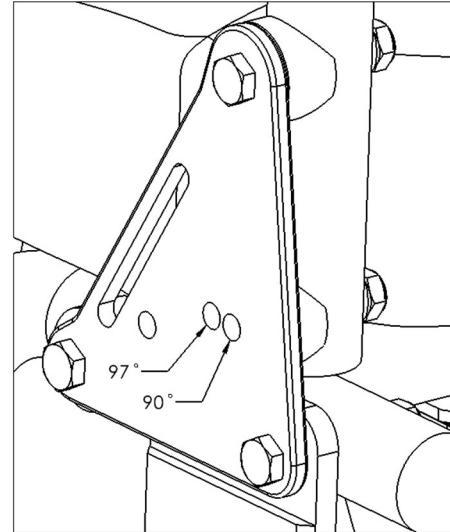
4. Insert a hex head cap screw through one of the three holes on the back support plate and then push through the coved spacer and the frame tube.

NOTE: Select the rear hole for a 90° back support angle or the front hole for a 97° back support angle.

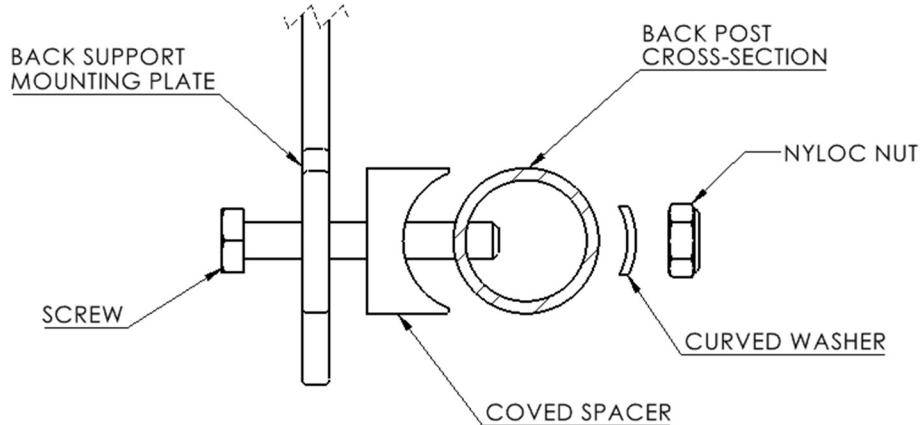
TIP: Temporarily position the back support upright by inserting a Phillips screwdriver through one plate and frame tube.

5. Attach the curved washer and locknut as shown below.
6. Tighten the assembly with the wrenches until the end of the screw extends 1 or 2 threads beyond the nylon locknut.
7. Repeat steps 4 to 6 for the other frame tube.

NOTE: Re-lubricate fasteners prior to tightening.



TOP VIEW OF THE BACK SUPPORT INSTALLATION



2.1.2 Back Support Installation – AP Model

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

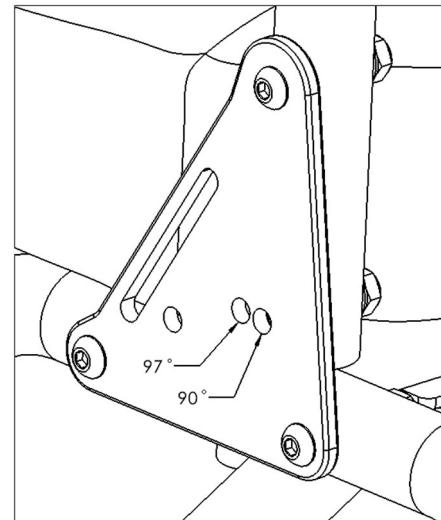
1. Remove the shower chair from the shipping carton.
2. Lift the back support upright to align the holes.
3. Insert a button head cap screw through one of the two holes on the back support plate and then push through the frame tube.

NOTE: Select the rear hole for a 90° back support angle or the front hole for a 97° back support angle.

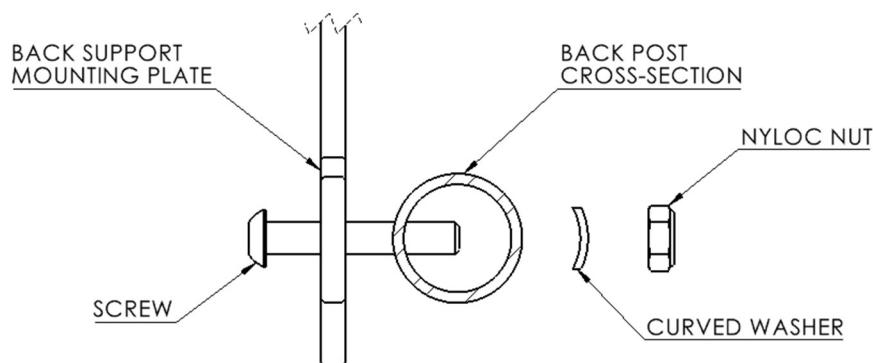
TIP: Temporarily position the back support upright by inserting a Phillips screwdriver through one plate and frame tube.

4. Attach the curved washer and locknut as shown below.
5. Tighten the assembly with the hex key and wrench until the end of the screw extends 1 or 2 threads beyond the locknut.
6. Repeat steps 3 to 5 for the other frame tube.

Note: Re-lubricate fasteners prior to tightening.



TOP VIEW OF THE BACK SUPPORT INSTALLATION



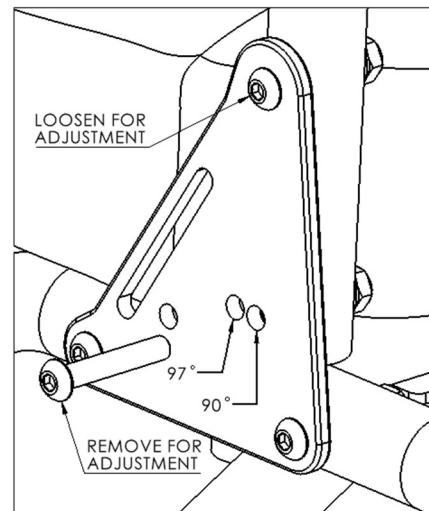
2.1.3 Back Support Angle Adjustment

Tools required: for AP 5/32" hex key and 7/16" wrench;
for SP (x2) 7/16" wrenches.

1. Loosen (do not remove) the locknuts, washers, and coved spacers (SP models) on both vertical back support frame tubes.
2. Remove the lower screws and washers from the vertical back support frame tubes.
3. Leaving the inner coved spacers in place (SP models), rotate the back support to one of the 2 positions on the back support mounting plates.

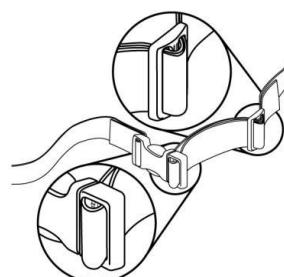
NOTE: Select the rear hole for a 90° back support angle or the front hole for a 97° back support angle.

4. With the back support in place re-insert the screws through the selected holes on the back support mounting plates.
5. Fasten the screws with curved washers and locknuts.
6. Tighten the assembly with the tools.



2.1.4 Adjustable-Tension Back Upholstery Adjustment

In order to adjust the back upholstery of the back support, 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.



2.2 Casters

IMPORTANT !

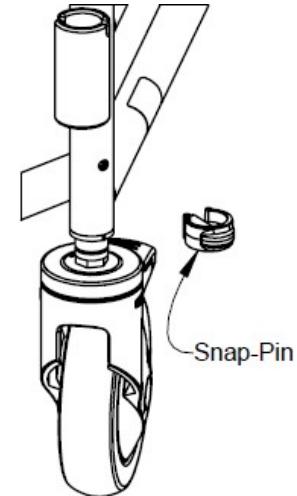
ALL CASTER STEMS MUST BE ADJUSTED TO THE SAME HEIGHT. NEVER ATTEMPT TO CHANGE THE FRAME ANGLE BY ALTERING THE CASTER POSITION. UNEQUAL CASTER POSITIONS WILL REDUCE THE CHAIR'S STABILITY AND MAY RESULT IN TIPPING.

2.2.1 Caster Installation

1. Remove the casters from the accessory box.
2. Insert the caster extension tube into the lower frame receiver tube at the desired position.
3. Line up the hole on the frame and to the caster extension tube. Rotate the caster extension tube to line up the holes if needed.
TIP: Locking the caster first makes this easier.
4. Insert the snap-pin through the frame and the caster extension tubes. Ensure that the pin is inserted completely through the tube and that the green plastic clip is snapped securely around the outside of the frame tube.
5. Repeat steps 2 to 4 for all casters in the assembly.

NOTE: If the directional caster lock option was ordered with the AP chair, one of the four casters must have the lock mounted to the caster stem. The caster with the directional lock on must be mounted facing forward in one of the rear caster positions.

NOTE: For Raz-SP, the casters must be mounted in holes corresponding to the rear wheel height to level the chair frame. Refer to the table below for the initial installation of casters.



Factory Setting - Caster Extension Setting for SP Model	
22" Rear Wheel	Lowest hole on caster extension tube
24" Rear Wheel	Second lowest hole on caster extension tube

2.2.2 Seat-To-Floor Height Adjustment – Casters – both AP and SP

The Raz-AP Model has four telescopic caster extensions providing a height adjustment range of 4". The SP Model has two front caster extensions providing a height adjustment range of 3" when used with 24" rear wheels and a 4" range when used with 22" rear wheels.

1. Remove the snap-pin holding the caster extension tube in place, from the chair frame.
2. Slide the caster assembly to the desired position.
3. Align the holes in the caster extension tube with the frame holes and insert the snap-pin.
TIP: Locking the caster makes this easier.
4. Ensure that the pins are completely through the frame tube and that the green plastic clips are snapped securely around the frame tubes.
5. Repeat steps 1 to 4 for all other casters on the chair.

IMPORTANT !

THE HIGHER THE CHAIR IS ADJUSTED; THE MORE PRONE IT WILL BE TO TIPPING. CASTERS MUST NEVER BE ADJUSTED TO DIFFERENT HEIGHTS. AN UNLEVEL CHAIR CAN BE DANGEROUS FOR THE USER.

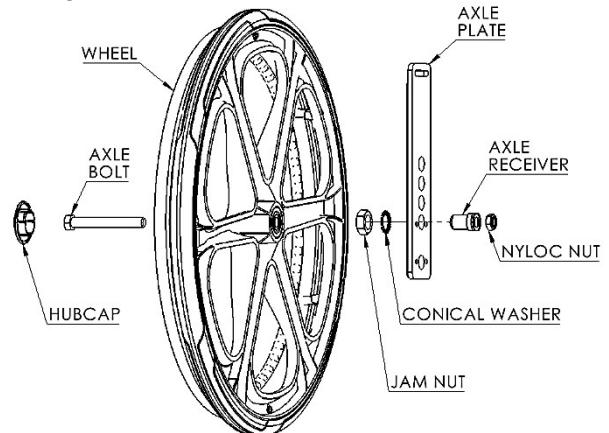
CASTERS SHOULD ALWAYS BE INSTALLED AT THE LOWEST POSITION POSSIBLE WHILE MEETING THE USER'S NEEDS. ANY POSITION ABOVE THIS WILL RESULT IN A CHANGE IN THE CENTER OF MASS, WHICH COULD CAUSE INJURY OR PRODUCT DAMAGE. IT IS HIGHLY RECOMMENDED THAT A QUALIFIED HEALTHCARE PROFESSIONAL ASSIST IN A STABILITY CHECK OF THE CHAIR IN ANY ALTERED HEIGHT CONFIGURATION.

2.3 Rear Wheels – SP only

2.3.1 Wheel Installation with Standard Axle Bolt – SP only

Tools required: 3/4" wrench, 3/4" socket wrench

1. Remove both wheels from the shipping carton.
2. Remove the axle bolts and nyloc nuts from the carton divider.
3. Remove the hubcap from a wheel.
- TIP:** Use a flathead screwdriver to pry open the cap.
4. Insert the axle bolt through the wheel hub and into the axle receiver.
5. Thread the nyloc nut onto the axle bolt and tighten it until the wheel assembly is secure. *Do not overtighten as the wheel must spin freely.*
6. Reinstall the hubcap by pressing it onto the wheel hub until it clicks.
7. Repeat steps 3 to 6 for the other wheel.



2.3.2 Seat-To-Floor Height Adjustment – Rear Wheels – SP only

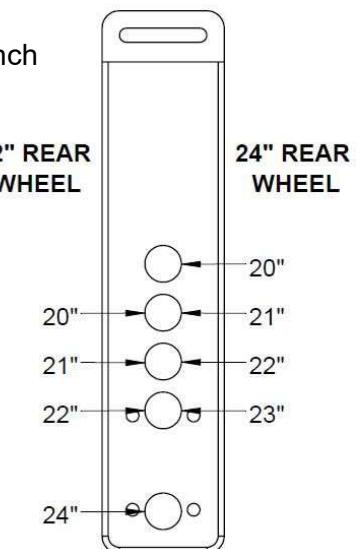
Tools required: 3/4" socket wrench, 3/4" wrench, 1" open wrench, 1 1/8" wrench

TIP: Refer to the image in the section above.

1. Remove the hubcap from the wheel by prying it open.
2. Remove the axle bolt, nyloc nut, and wheel from the axle receiver.
3. Remove the axle receiver from the axle plate.
4. Insert the axle receiver into the desired hole.

NOTE: Refer to the image on the right for available seat-to-floor height.

5. Insert the conical washer and jam nut onto the axle receiver.
6. Insert the axle bolt through the wheel hub and into the axle receiver. Thread and tighten the nyloc nut onto the axle bolt until the wheel assembly is secure. *Do not over-tighten as the wheel must spin freely.*
7. Reinstall the hubcap by pressing it onto the wheel hub until it clicks.
8. Adjust the wheel locks.
9. Repeat steps 1 to 8 for the other wheel. Pull both wheels to confirm that they are firmly in place.

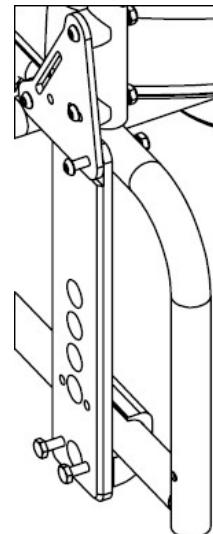


2.3.3 Fore/Aft Adjustment of Rear Wheels – SP only

The 22" and 24" wheels have a fore/aft adjustment range of 6".

Tools required: 3/4" socket wrench, 3/4" wrench, (x2) 7/16" wrenches, 5mm hex key

1. Loosen the wheel locks using a 5mm hex key.
2. Remove the hubcap of one wheel by prying it open. Loosen and remove the axle bolt and locknut, and set aside the wheel assembly.
- TIP:** Laying the chair on one side simplifies this procedure.
3. With the wheel detached, loosen (do not remove) the lower back button head screw on the back support mounting plate.
4. Loosen (do not remove) the lower axle plate clamp screws.
5. Adjust the axle plate, noting the precise position to mirror the axle plate for the other wheel.
6. Tighten the clamp screws on the bottom of the axle plate and the button head screw on the back support mounting plate.
7. Reinstall the wheel, axle bolt, and locknut.
8. Tighten the axle bolt and locknut until they are secure.
9. Reinstall the hubcap by pressing it onto the wheel hub until it clicks.
10. Repeat steps 1 to 9 for the other wheel. Take extra care to align the wheels properly.
11. Refer to the next page (section 2.4) to re-adjust the wheel locks.



IMPORTANT!

INCREASING THE SEAT HEIGHT, MOVING THE REAR WHEELS FORWARD, AND INCREASING THE BACK SUPPORT ANGLE WILL SIGNIFICANTLY DECREASE REARWARD STABILITY. A STABILITY CHECK MUST BE PERFORMED AFTER ANY OF THESE ADJUSTMENTS ARE MADE. STABILITY CHECKS SHOULD BE PERFORMED WITH AN ATTENDANT BEHIND THE CHAIR AND ANTI-TIPPERS PROPERLY INSTALLED AND ADJUSTED.

2.4 Wheel Lock Set-Up – SP only

The Raz wheel locks have a unique pivoting brake shoe that digs into the tire increasingly as the wheel rotation force increases. This allows the lock to engage with less force than conventional wheel locks.

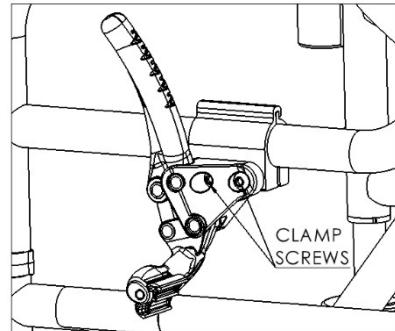
Tool Required: 5mm hex key

1. Loosen (do not remove) the two clamp screws.
2. Engage the wheel lock by pushing the handle away from the wheel.
3. Slide it towards the wheel until the shoe touches the tire.
4. Disengage the wheel lock and slide it towards the wheel by 10mm.
5. Tighten the clamp screws and test the wheel lock. If needed, further adjust the wheel lock to fine-tune its position.

To test the wheel lock, rotate the wheel to confirm that the shoe rotates and digs into the tire with enough force to prevent rotation of the wheel.

DO NOT adjust such that the shoe digs into the tire with the force necessary with conventional wheel locks.

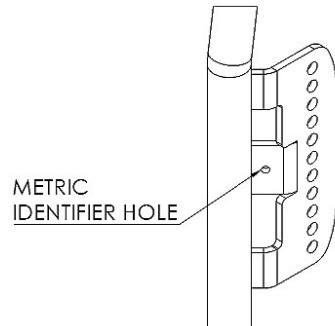
6. Repeat steps 1-5 for the other side.



2.5 Arm Support Adjustment – Adjusta-Back Option Only

Tools required differ by hardware. Make sure the correct tools are selected for secure installation. The metric frame has an identifier hole.

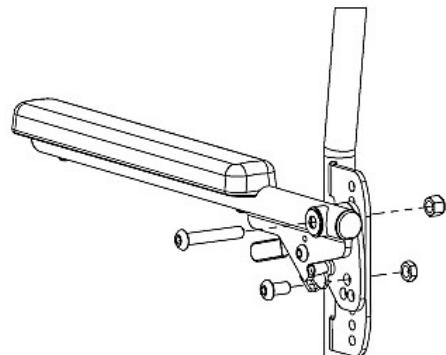
- for Imperial 3/8" hardware: 7/32" hex key, 9/16" wrench;
- for Metric M8 hardware: 5mm hex key, 13mm wrench.



2.5.1 Arm Support Height Adjustment

The arm supports are adjustable in height within a 3" range, in $\frac{1}{2}$ " increments *on the Adjusta-Back Option only*.

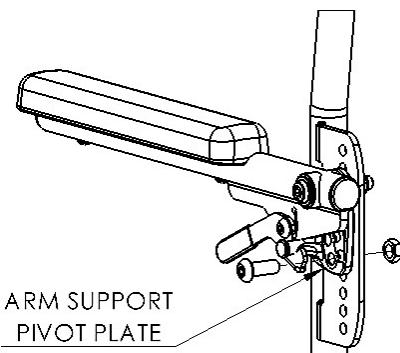
1. Loosen and remove the lower locknut.
2. Loosen and remove the upper locknut.
3. Keeping the arm supports and arm support pivot plate assembly together, move the unit up or down on the arm support mounting weldment depending on the user's needs.
4. Reinstall the locknuts onto the respective screws.
5. Tighten screws and locknuts at the top and bottom.
6. Repeat steps 1 to 5 for the other arm support.



2.5.2 Arm Support Angle Adjustment

The arm support angle can be adjusted up 5° or down 5° if the back support angle is adjusted from the 90° factory position.

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

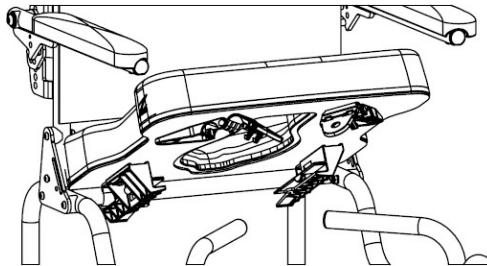


2.6 Raz Seats

2.6.1 Seat Installation

1. Ensure that the front brackets are in the open position. To open the front brackets, simply squeeze the tabs or 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. Ensure 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.

*See page 5 for additional information.



2.6.2 Ischial Pelvic Alignment System (IPAS) – Adjustment

The seat has approximately 5 cm (2") of fore/aft adjustment allowing optimal positioning of the seat aperture around the user's Ischial Tuberosities.

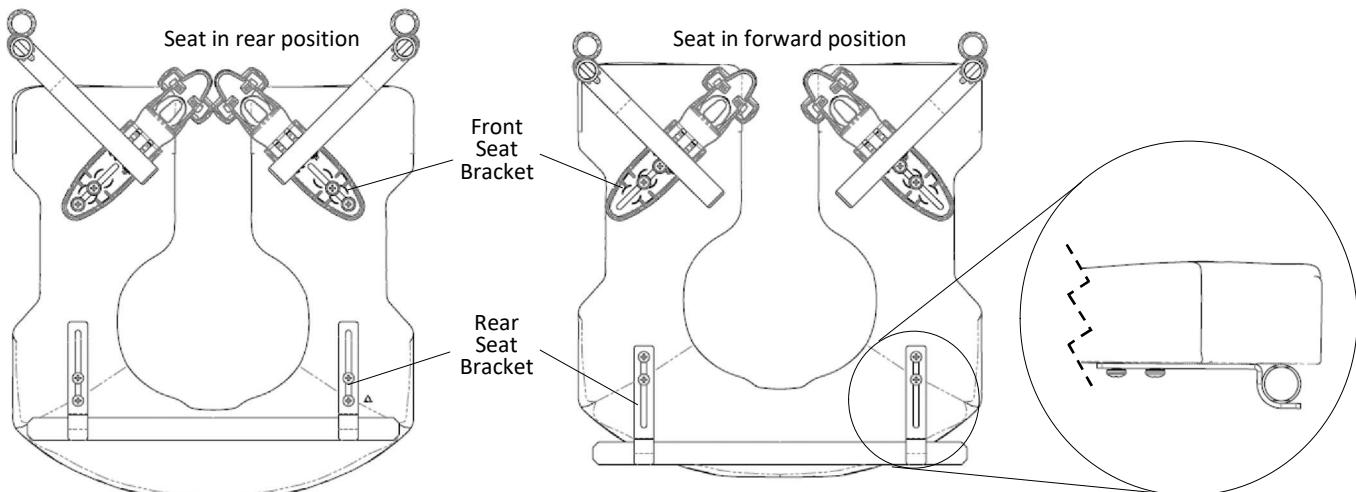
Tool Required: #2 Phillips screwdriver

1. Release the seat by opening the front seat brackets.
2. Lift the front of the seat and pull upward and then forward to remove the seat from the chair.
3. Loosen (but do not remove) the eight screws attaching the front seat brackets and rear seat brackets to the underside of the seat.

Note: For clarity, the rear seat brackets are shown below without commode pan brackets.

4. Place the seat back in position on the frame and close the front seat brackets around the front seat support tubes.
5. Slide/wiggle the seat to the desired position.
6. Ensure rear seat brackets are firmly positioned against the rear seat support tube.
7. Tighten all eight screws attaching the front and rear seat brackets to the seat to prevent further movement of the seat.

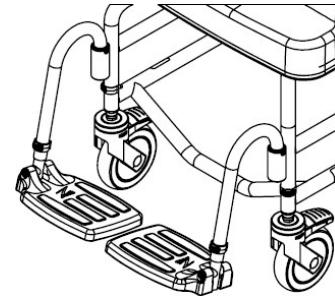
Note: Ensure the front and rear seat brackets are securely latched around the front and rear seat support tubes before allowing a user to transfer into the chair.



2.7 Adjustable Foot Supports

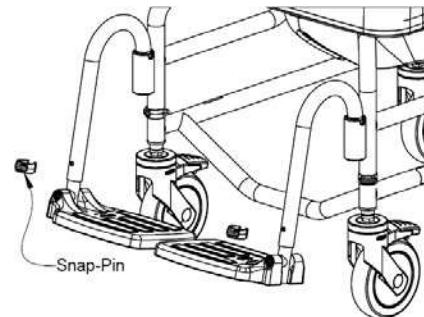
2.7.1 Foot Support Installation

1. Remove the foot supports from the inner accessory box.
2. Place the foot support 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.*



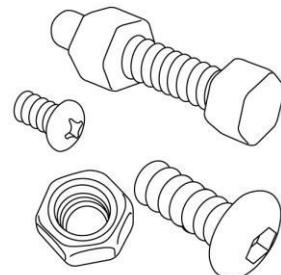
2.7.2 Foot Support Adjustment

1. Remove the plastic snap-pin from one foot support hanger tube.
2. Adjust the footplate extension tube vertically to achieve the desired height in the foot support hanger tube.
3. Insert the snap-pin through the foot support hanger and the extension tubes. 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.



2.8 DEALER USE ONLY - Fastener Installation

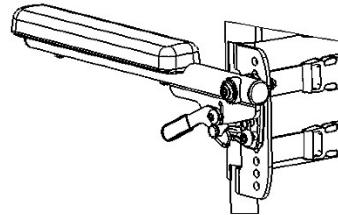
All fasteners should be installed securely. Locknuts removed for any reason may need to be replaced rather than re-used. Check the performance of nyloc nuts when re-attaching to the screw. There should be significant detectable resistance when tightening. If not, replace the nyloc nut with a new one.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



3.0 USE AND OPERATION

3.1 Flip-Up Arm Supports

The Adjusta-Back is adjustable in angle and has arm supports that can be adjusted in height and angle. The arm supports can flip up to allow for ease of transfer, and lock automatically (if the optional lock is included) when flipped down.

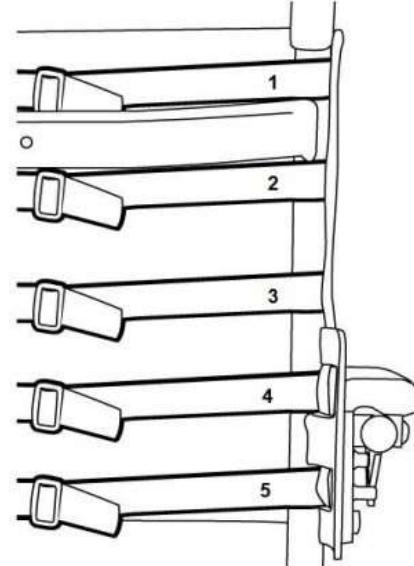


3.2 Adjustable-Tension Back Upholstery

The Adjusta-Back back supports include Adjustable-Tension Back Upholstery providing trunk support for optimal positioning and comfort. The upholstery is removable for machine washing and available in 15" (4 straps), 17" (5 straps), 20" (6 straps), and 24" (7 straps) heights in accordance with the back height selected for the chair.

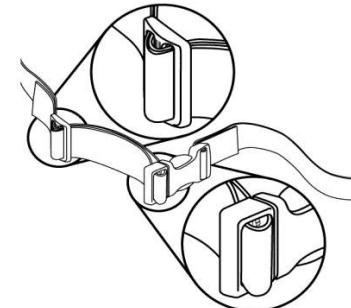
To install Adjustable-Tension Back Upholstery on a 17" high Adjusta-Back:

1. Place the fabric against the front of the back support canes ensuring that when wrapped around, the clips on the straps face away from the fabric and the loops point downwards.
2. The highest strap (1) is positioned above the crossbar.
3. Second (2) and third (3) straps are positioned between the crossbar and back support mounting plates. A 15" high upholstery will only have a single strap at this location.
4. The fourth (4) and fifth (5) straps are fed through the slots in the arm support mounting plates.
5. A 20" high upholstery includes a sixth strap, which should be positioned below the arm support mounting plates.
6. Adjust all of the straps to meet the user's needs.



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

In order to adjust the back upholstery of the back support, 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.

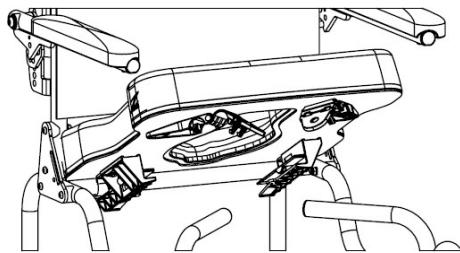


To remove the Adjustable-Tension Back Upholstery, release the buckles on the straps.

3.3 Raz Seats

To install a Raz Seat:

1. Ensure that the front brackets are in the open position. To open the front brackets, simply pry open.
2. Slide the rear of the seat over the rear cross tubes as the front of the seat is lowered onto the frame. Ensure 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.



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.

IMPORTANT !

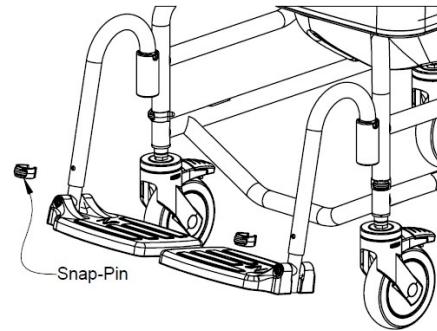
FRAME AND SEAT ADJUSTMENTS SHOULD BE PERFORMED ONLY BY TECHNICIANS FROM QUALIFIED RAZ DEALERS. NEVER ATTEMPT TO CHANGE THE FRAME ANGLE BY CHANGING THE CASTER POSITION. THE FRAME SHOULD ALWAYS BE LEVEL. IMPROPER CASTER POSITIONS MAY REDUCE THE CHAIR'S STABILITY AND RESULT IN TIPPING. THIS HAS THE POTENTIAL TO CAUSE SERIOUS HARM TO THE USER AND/OR DAMAGE TO THE CHAIR.

3.4 Adjustable Foot Supports (Footrests)

Adjustable footrests are standard on all Raz Mobile Shower Commode Chairs. The footrests can be flipped up, rotated away, or removed entirely for transfers. 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.

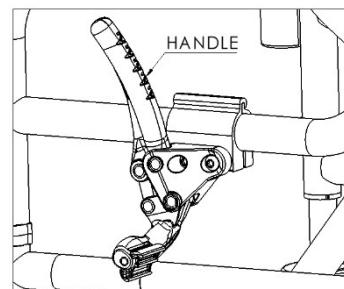
To rotate the Adjustable Footrests:

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.

3.5 Wheel Locks – SP only

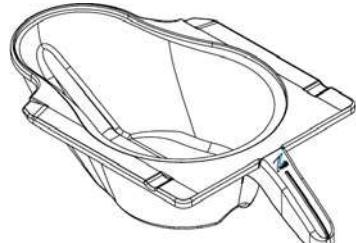
The Wheel locks on a Raz-SP Mobile Shower Commode Chair can be engaged by pushing the handles forward. This stops the rear wheels from rotating. *For maximum stability, BOTH wheel locks MUST be engaged.* To disengage the wheel locks, pull the handles backward.



3.6 Commode Pan

The Raz Commode Pan is designed with an elongated shape that fits directly under the seat to minimize backsplash. A unique splash-reduction ridge is located at the 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.



3.7 Casters

Each Raz Mobile Shower Commode 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.

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.

4.0 CLEANING AND MAINTENANCE

4.1 Cleaning After Each Use

4.1.1 Commode Pan

1. Remove the commode pan and empty the 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 disinfecting cleaning solution.

4.1.2 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 seat's underside and around the seat's opening.

4.2 Cleaning As Needed

4.2.1 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, and pelvic and chest positioning straps.
3. Install the back upholstery and other positioning accessories on the chair and allow it 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.

4.2.2 Frame, Arm Supports, Adjustable Foot Supports, and Other Components

1. Spray the frame and components with a multi-purpose disinfectant cleaner, scrub with a soft brush, and 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 result. **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 on a continuing basis or if there is cause for concern about 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 in order to reduce deposits, followed by a hot water rinse.

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

4.3 Suggested Cleaning Products

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

IMPORTANT !

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

DO NOT SUBMERGE THE RAZ MOBILE SHOWER COMMODE CHAIR IN WATER.

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

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

5.0 LIMITED WARRANTY

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

This warranty gives you specific legal rights, but you may have additional legal rights depending on your region 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 date of 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 product shall 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 directly using the contact information located at 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, and the chair's serial number (on a grey label located on the chair frame), as well as the nature of the product issue. 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 the repair or the replacement of the defective product in compliance with 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 whole of 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 the Raz Mobile Shower Commode Chair that has 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 a thorough examination, before a replacement order can be processed.

6.0 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

Raz Design Inc.
135 Railside Rd. Toronto, ON, Canada, M3A 1B7
877.720.5678 / +1.416.751.5678
info@razdesigninc.com



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 THE 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 877.720.5678 (North America)
+1.416.751.5678 (Rest of World)