

Supine Stander

E420 Product Manual



CE

 rifton®


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Key for EU users

Use this key to determine which sections of this Product Manual apply to your job.

 **Technical Users** For professionals who order and set up Rifton products.

 **Home Users** For clients and care-givers who use Rifton products on a regular basis.

 **Maintenance Personnel** For anyone who is responsible for service or re-ordering of Rifton products and parts.

WARNINGS

- Correct use of this product requires the prior approval and ongoing guidance of a qualified therapist or physician. Adult supervision is required at all times.
- Straps and supports are provided for the safety of the user. Their use must be closely supervised. The straps and supports need to be carefully adjusted for the comfort and security of the user and can never take the place of the care-giver.
- Straps and supports should be carefully adjusted for the comfort and security of the user. Make sure that all adjustment knobs are tight when in use.
- This device is designed for indoor use only.

IMPORTANT

- Please save this Product Manual. Additional copies are available at www.rifton.com
- Please refer to the Rifton product catalog for our full warranty, or visit www.rifton.com

To order replacement parts

1. Locate the serial number of the product on the small white label.
2. Have this number available when you call **800.571.8198** for your customer service representative.

Use only replacement parts supplied by Rifton Equipment.

Recommended Use

The E420 Supine Stander supports the user in the standing position. The Supine Stander differs from the tilt table in that it allows much greater control of head, trunk, pelvis, knees, and feet, while allowing variable weight-bearing. It is especially suitable for users who lack sufficient anti-gravity control of head and shoulder girdle.

For users who have sufficient head and upper trunk control, the headboard folds down to encourage independence.

The Supine Stander is recommended for children/adults 30" – 50" (75 cm – 125 cm) tall. Weight limit 100 lbs.

Checking your order

This product comes in a single carton, containing:

1. Supine Stander (includes: head pad, pair of head support blocks, body pad, chest strap, armrests, hip strap, pair of lateral support blocks, knee straps, and a foot board).
2. Accesories for the Supine Stander.
3. This product guide.

You may not have ordered all of the available accessories, but use the diagrams that follow to make sure your order is complete.

If your shipment is incomplete, please call Customer Service.

User and Item Dimensions

User Dimensions – Inches (cm)

Height	30–50 (76–127)
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Key User Dimension: Height

Select the appropriate Stander by the user's overall height.
Choose the model that allows for growth.

Important: User's weight must not exceed the maximum working load.

Item Dimensions – Inches (cm)

Board length and width	51 x 16½ (130 x 42)
Distance between lateral supports	7–13 (18–33)
Height when horizontal	28½ (72)
Height when vertical	54½ (138)
Base length and width	37½ x 27 (95 x 69)
Max. working load (lbs)	100 (45)

Headboard

Installing the Headboard

Lift the headboard, slide the cleat (A) into the frame slot, and tighten the cleat knob (B).

Installing the Head Support Blocks

1. Loosen the two knobs on the head support adjusting clamp (C).
2. Remove the support block with curved bracket (D), turn it right way up, and insert the bracket into the clamp.
3. Slide the curved bracket into the clamp past the safety dimples to desired spacing. Brackets will need to overlap if a spacing of less than 8" is required.
4. Tighten both knobs (C) to secure the head support block.
5. Repeat this procedure on the second head support block.

Adjusting the Headboard

Position the headboard by raising it up and sliding cleat (A) into the frame slot. Tighten the cleat knob (B). For users where the headboard is not needed, slide the cleat up, tighten the knob, and fold the headboard down.

Adjusting the Head Support Blocks

Loosen the two knobs on the clamp, slide the block to the desired position, and tighten the knobs securely. To completely remove the Head Support Blocks: Loosen the clamp knobs far enough to slide the bracket out past the safety dimples.

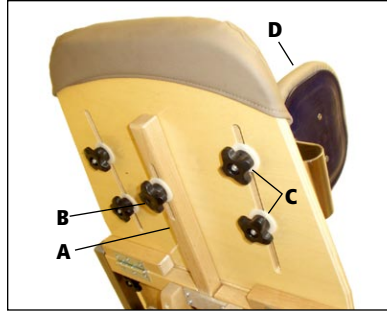


Figure 1

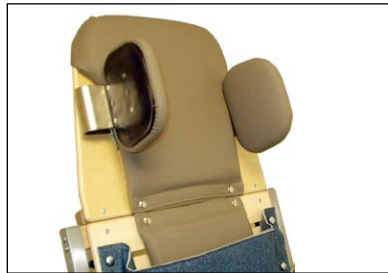


Figure 2. Headboard with Head Support Blocks installed

NOTE: If you are using the Supine Stander for a child whose head does not extend above the main board, remove the head support blocks and the two clamps. Remount the clamps in the top slots of the main board. Install the head support blocks as described above.

WARNINGS

The headboard must be in place before tilting the user to a horizontal position. When adjusting the headboard, make sure that the area where it contacts the main board is clear.

Mainboard

Adjusting the Mainboard

The hand crank (A) controls the transfer height adjustment and the tilt angle of the board. By turning the hand crank, the board will begin to tilt. Continue to turn the hand crank until the desired angle is reached.

Installing the Lateral Support Blocks

Lateral support blocks (B) ship not assembled onto the product. Follow the instructions below to install the lateral support blocks.

1. Remove knob and plastic washer, leaving rubber washer on support block.
2. Slide bolt of support block through slot in board.
3. Replace knob (C) and plastic washer on bolt on backside of board and tighten knob (C) firmly.

Adjusting the Support Blocks and Straps

Any support block or strap can be adjusted in and out or up and down. Loosen the appropriate knobs, slide the block or strap to the desired position, and tighten the knobs securely.

To completely remove a support block or a strap, loosen the clamp knobs far enough to slide the bracket out past the safety dimples, or loosen knobs completely and remove the block or strap. The block or strap can then be moved to a different set of clamps, and the knobs tightened securely.

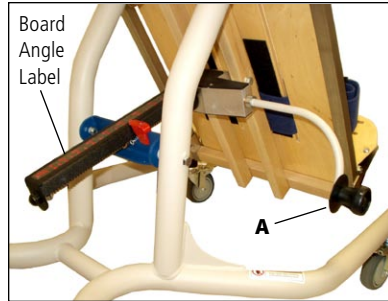


Figure 3

NOTE: The angle of the tilt is indicated on the board angle label. This can be used to track the angle setting for each user.

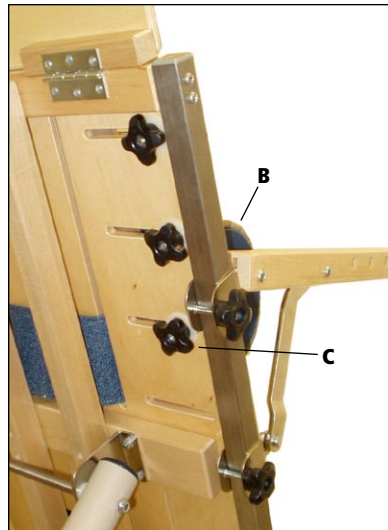


Figure 4

Adjusting the Hip Strap

It is possible to place the hip strap (A) in line with the lateral support block. Simply loosen the clamp knobs far enough to allow the hip strap bracket to lie on top of the Lateral Support Block. Make sure to tighten the clamp knobs securely.

Adjusting the Knee Straps

To adjust the height of the knee strap, pull the back of the strap away from the Velcro fastening on the backside of the main board, slide the strap to the desired height, and secure the Velcro fastening by pressing the strap against the board.

Adjusting the Arm Rests

To adjust the height of the armrest, loosen both knobs (B), slide the armrest to desired position, and tighten the knobs securely. To adjust the angle of the armrest, loosen the bottom knob only, lift or lower the front of armrest to desired position, and tighten the knob securely.

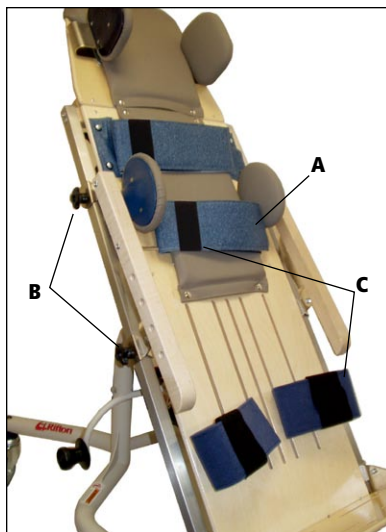


Figure 5

⚠ WARNINGS

- The strap safety closures (C) must be secured when in use.
- The armrest has a potential crush point. Care should be taken when adjusting the armrest with a user on the board. After adjusting, make sure that the knobs are tightened securely.

Installing the Adjustable Abduction Wedge

To assemble the adjustable abduction wedge to your product, perform the following steps:

1. Remove the knobs and one washer off each threaded stud.
2. Place abduction wedge in appropriate slot with one washer on each threaded stud between the abduction wedge and your product.
3. Put one washer on each of the threaded studs between knobs and product.
4. Thread on and tighten Knobs securely.

Adjusting the Adjustable Abduction Wedge

To adjust the amount of wedge abduction, raise one wing of the wedge to expose the adjustment screw (A). Turn screw out to increase abduction. Raise the second wing and adjust it in the same way.

Installing the Round Abduction Block

To assemble your round abduction block to your product, simply remove the knob and place where appropriate. Re-tighten knobs securely.

Adjusting the Round Abduction Block

Depending on the need of the user, the positioning of the round abduction block will vary greatly. Check the range of adjustment before positioning the user.

Installation Collar

To assemble your collar to your abduction block, simply wrap around and fasten snaps.

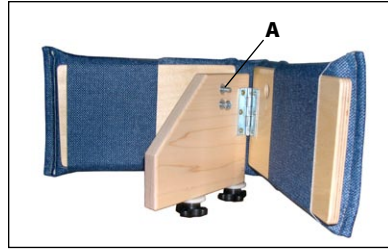


Figure 6. Adjustable Abduction Wedge



Figure 7. Round Abduction Block



Figure 8. Collar

Footboard

Installing the Sandals

Either large or medium sandals may be mounted to the footboard.

1. Insert carriage bolts with bushings through the bottom of the footboard.
2. Insert sandal base onto bolts and adjust sandal before tightening knobs (A) securely.
3. Place sandal onto base and lock into place with latch (B).

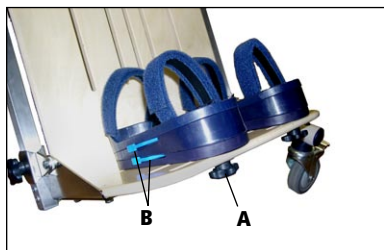


Figure 9

Adjusting the Sandals

To adjust the sandals, loosen the knobs (A), move the sandals to the desired position, and tighten the knobs. The sandal height can be built up, or a toe/heel angle achieved, by using one or more wedges. (see Figures 9 and 10)

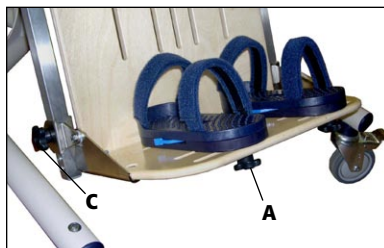


Figure 10

Installing the Sandal Wedges

To add a wedge, unlatch and remove the sandal from the base, place the wedge over the base and latch it into place; any number of wedges can be added. Put the sandal on top, and latch it as well.

Adjusting the Footboard

The footboard can be adjusted to accommodate users of varying heights. Loosen the clamp knobs (C), move the board to the desired height, and tighten the knobs securely. The footboard is best left as close as possible to the floor for user's security.

Adjusting the Casters

Swivel casters allow the item to be moved easily. The foot-operated brake locks both the wheel and the swivel simultaneously.

WARNINGS

- The footboard must be in place before tilting the user in to a vertical position.
- The footboard has a potential crush point. It must be placed in the use position, the height adjusted, and the knobs tightened securely, before placing the user on the board.

CAUTION

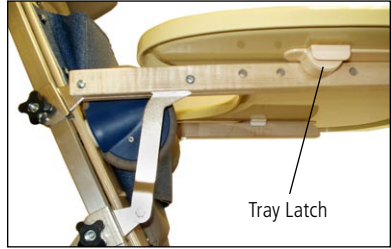
For safety, all four casters should be locked at all times, whether the item is occupied or unoccupied. Unlock the casters only when moving the Supine Stander from one location to another. To lock caster, depress the bottom part of brake; to unlock, push the top part of brake forward.

Installing the Tray

A clear or opaque tray may be fitted to the armrests. Position both arm rests at the same height and angle. Attach the tray by inserting the tray latches into the appropriate armrest holes.

Adjusting the Tray

The height and tilt adjustments of the tray are achieved the same way as the armrests. In and out adjustment is made by opening the tray latches and moving them to a different set of holes in the armrests.



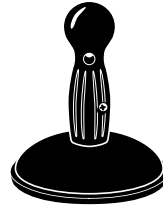
Hand Anchors

Recommended Use

The hand anchors are designed to be used on any of our available trays. They help give the child an anchor to control excessive movement of the arms and to encourage stabilization of the shoulder girdle. the child may hold on with both hands for stabilization training, or hold on with one hand and have the other hand free.

Operation

Tighten Suction Cup on clean smooth table or tray by pressing down on suction cup and turning handhold clockwise as shown. When Hand Anchor is secure it may be grasped by the user. To remove Hand Anchor, turn handhold counterclockwise. Note: Surface needs to be very smooth to get a strong seal. If suction cup does not hold well, wipe with a damp cloth or apply vaseline thinly around the rim of the rubber pad to enhance the vacuum.



WARNINGS

- Correct use of this product requires the prior approval and ongoing guidance of a qualified therapist or physician. Adult supervision is required at all times.
- This accessory is intended for use on Rifton Trays only.
- It is not to be used as a primary support or as a standing support.

Arm Anchors

Recommended Use

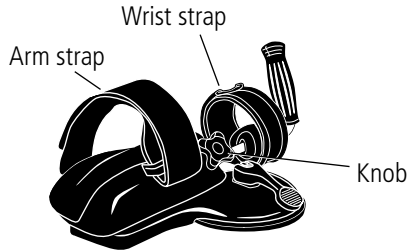
The Arm Anchor's intended use is to stabilize one arm on a table or tray. A pair can be used to stabilize both arms. Providing increased stability to the forearm, the Arm Anchor may be beneficial for head and trunk control while sitting, as well as allowing increased functional use of the other arm.

Adjustment

Arm and wrist straps can be adjusted and secured with hook and loop fasteners. Move hand hold backward and forward or rotate by loosening the knob.

Operation

Tighten suction cup on clean smooth table or tray by pressing down on suction cup and moving lever down. Place arm on Arm Anchor pad and secure it with arm and wrist straps. If suction cup does not hold well, wipe with a damp cloth or apply Vaseline thinly around the rim of the rubber pad to enhance the vacuum.



WARNINGS


- Correct use of this product requires the approval and ongoing guidance of a qualified therapist or physician. Adult supervision is required at all times.
- Not a Primary Support.
- Straps and supports are provided for the safety of the user, they need to be adjusted for the comfort and security of the user. Their use should be supervised.
- Not to be used as a standing support.

CAUTIONS


- Suction cup may release.
- Do not use on thin glass.

Operation


1. Lock all four casters.
2. Crank the Supine Stander to desired horizontal height for ease of transfer.
3. Slide the armrest and the Lateral support block away from the transfer area.
Open the chest, hip and knee straps.

 Make sure that both the headboard and footboard are in place before transferring the user.

4. Transfer the user onto the Supine Stander place the user in a horizontal position. Make final adjustments to all straps and close.
5. Adjust the head and Lateral Support Blocks.
6. Secure the user's feet in the sandals and make final adjustments for correct positioning.

 Make sure the safety closures on the straps are secure.

7. Adjust the armrests to the user's elbows and set to the appropriate angle.
8. Crank the Supine Stander to the desired angle as indicated on the board angle label.
9. Make any final adjustments that may be necessary now that the board is in a vertical position.

 Do a final check to make sure that everything is in place and that all knobs are tightened

10. A tray may now be mounted to the armrests.

Maintenance

Twice a year lubricate all four casters. Apply a drop of light oil to the ball bearings and to the axle on each side of the caster wheel.

Once a year, check the lubrication of the threaded rod. If it seems dry, apply a general purpose grease to the length of the rod.

Periodically inspect the entire Supine Stander and all accessories for cracks, breaks, loose or missing parts, and/or malfunctions. Remove the Supine Stander from service when any condition develops that might make operation unsafe. Please contact the Rifton Customer Service Department for advice.

Cleaning

Clean the Supine Stander, pads, and straps with mild detergent and water. Do not use excessive water on padded blocks. Do not use excessive water on wooden surfaces, they are not waterproof.

Clean trays with mild soap or detergent. Avoid abrasive cleaners and aromatic spirits. Disinfectants can be used, but no solvents. Never scrape with razor blades or other sharp instruments. Do not clean in hot sun or at elevated temperatures. Do not send through a dishwasher.

The components of the Arm Anchor can be removed for cleaning. Wipe clean with a damp cloth using soap and water or a mild disinfectant solution. Rinse with a damp cloth and water. Do not use excessive water. You may also use a commercial cleaning agent suitable for imitation leather.

Construction

- The frame is constructed of welded steel tubing with a durable baked-on finish. The gearbox is extruded aluminum with steel gears and acme thread.
- Nickel plating protects unpainted steel components from rust.
- Wooden components are made of durable hardwood plywood or solid maple and are finished with a clear finish. All edges and corners are rounded for safety and ease of cleaning.
- Pads and Support Blocks are made with urethane foam covered with a soft, easy to clean, vinyl.
- Casters have 4" wheels, ball-bearing swivels, and foot-operated locking brakes.
- Opaque Trays are formed from smooth, washable ABS.
- Clear Trays are constructed of rugged polycarbonate with an abrasion resistant top surface.

User modifications

We recognize that some clients may benefit from modifications made in the field. However, we cannot be responsible for customer-modifications to our products without our supervision, testing, or evaluation.

Rifton Contact Info



Online

www.Rifton.com

Sales@Rifton.com



Phone

800.571.8198

9-5 EST



Mail

Rifton Equipment

PO Box 260

Rifton NY 12471-0260



Fax

800.865.4674