

Mini Pacer Gait Trainer

K610 Product Manual



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Key for users

Use this key to determine which sections of this product manual apply to you.

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

 **Home Users** For 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

WARNING



- Thoroughly read and understand the information in this product manual before attempting to use this product. If the procedures and instructions in this product manual are not followed, serious injury or death could occur.
- A qualified professional must assess the appropriateness and safety of all equipment for each user.
- This product is intended for use by children with unreliable judgment. Adult supervision is required at all times.

continued...

WARNING



- To prevent falls and injuries:
 - Do not use this product on rough and uneven terrain, around swimming pools, or near stairways.
 - Ensure the appropriate use of straps and supports at all times. Straps and supports are provided for the safety of the user and must be carefully adjusted for comfort and security.
 - Tighten all adjustment knobs before use and immediately after making any adjustments.
 - Position accessories so that the child's weight is centered between the casters.
- Do not use this product for child's outside the height and weight limits specified in this manual.
- To prevent structural failure, which may result in serious injury or death:
 - Inspect this product and accessories regularly for loose or missing screws, metal fatigue, cracks, broken welds, missing attachments, general instability or other signs of excessive wear.
 - Immediately remove this product from use when any condition develops that might make operation unsafe.
 - Do not use Rifton components or products for any purpose other than their intended use.
- Adequately supervise use of the Pacer to prevent:
 - Excessive movement and speed
 - Sudden stops from hitting a curb, cracks, or debris
- Use adequate accessories to ensure that user's feet remain within boundaries of the Pacer frame.
- Use special care and supervision when using the Pacer under conditions which might affect stability, including:
 - Uneven ground
 - Ramps, slopes, or hills
 - Children who experience strong involuntary movements or seizures

Recommended use

The Pacer gait trainer is a Class 1 medical device. It is designed to help a child with disabilities to learn to walk. For a child lacking active use of their trunk and leg muscles, the Pacer provides necessary support during gait training and requires little or no weight-bearing.

The mini Pacer is recommended for children with elbow height of 15½"–20½" (39–52 cm). The maximum working load for the mini Pacer is 50 lbs (23 kgs).

User and item dimensions

| User Dimensions - inches (cm) | | K610 mini |
|---|---|-----------------|
| Elbow height | | 15½-20½ (39-52) |
|  | Key user dimension: elbow height Measure the vertical distance from the bent elbow to the floor while the user is standing upright. Choose the gait trainer that allows for growth. | |
| Item dimensions - inches (cm) | | |
| Arm prompt height | | 15½-20½ (39-52) |
| Overall width | | 20½ (52) |
| Overall length | | 22½ (57) |
| Chest prompt height (top edge) | | 17½-22½ (44-57) |
| Frame height | | 12½ (32) |
| Frame weight - lbs (kg) | | 10¼ (4.6) |
| Max. working load - lbs (kg) | | 50 (23) |
| Chest prompt circumference - inches (cm) | | 14-28 (36-71) |

Check your order

The Pacer frame and accessories you specified in your order are shipped together in a single carton (except for the guide bar). Use the diagrams in this manual to make sure your order is complete.

If your shipment is incomplete or in any way damaged on arrival, please call Customer Service.

Basic item

Frame

Adjustments

Figure 6a: All height adjustments are made by raising and lowering the prompts. The frame is fixed and does not adjust.



Figure 6a

Casters

Adjustments

Figure 7a:

The **Swivel lock** prevents the caster from swiveling.

- To **engage the swivel lock**: press button (A).
- To **disengage**, press button (B).

Locking all four casters will keep the child traveling in a straight line.

Locking the rear casters (those behind the child) will help stabilize the child, while still allowing for turning.

To **engage the caster brake** (C), press the lower part of the brake pedal. To release the brake, press the upper part of the brake pedal.

To **engage caster drag** rotate dial (E).

Directional lock (F) allows the caster to turn in one direction only, which is helpful for children who may involuntarily roll backward while trying to walk. To engage the directional lock:

- Push lever (F) down until it snaps into place.
- When the directional lock is engaged, the caster will make a clicking noise while moving forward and lock when pushed backward.

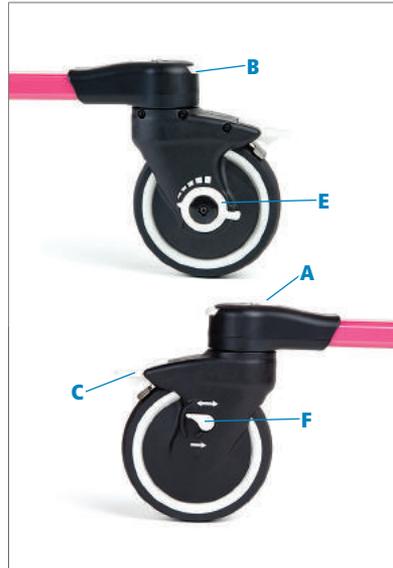


Figure 7a

Accessories

Odometer

Figure 8a: The odometer displays distance traveled. To reset the display to 0, press button (A). To display total lifetime distance traveled, press and hold button (A) for one second. Lifetime distance will be displayed in kilometers or thousands of feet, depending on unit setting.

To switch between feet or meters, press and hold button (A) until units change (approximately 10 seconds).



Figure 8a

Clamps

Attaching

Figures 8b and 8c: Most accessories attach to the frame with clamps and posts:

1. Loosen knob (B) and swing it down.
2. Swing band (C) up.
3. Place clamp (D) around oval bar.
4. Swing knob up.
5. Tighten thoroughly.

Placement of accessories on the frame will vary according to the position and abilities of the child and the number of accessories used.

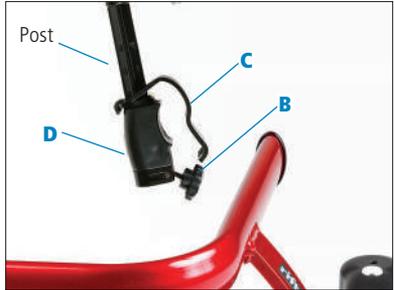


Figure 8b

Hand loops

Attaching

Figure 8d: It is recommended that hand loops are attached forward of the main frame uprights. This creates stable positioning and leaves room for other accessories.



Figure 8c



Figure 8d

Figure 9a: For slimmer children, the clamps for any accessory can be installed on the inside of the top bar. This way the prompts will be positioned closer to the child.

Figure 9b: Hand loop clamps can also be attached on the outside of the top bar.

Adjustments

Figure 9a:

Loosen knob (A) to:

- Completely remove the hand loop and clamp.
- Or slide the hand loop closer or farther from the child along the top bar.

To adjust height of hand loop:

- Press button (B) and slide post up or down to desired position.
- Release button (B) and push hand loop to engage post.

To tilt hand loop:

Loosen knob (C) and tilt hand loop to desired position. Tighten knob to secure.

To reposition the entire hand loop:

- **Figures 9a and 9b:** Completely remove the hand loop from the Pacer. Attach inside or outside the top bar.
- **Figure 9a:** Press button (B) and completely remove the post, rotate the post to the desired position, insert it back into clamp and slide to desired height (see page 12).



Figure 9a Mounted inside of top bar



Figure 9b Mounted outside of top bar

Arm prompts

Attaching

⚠️ WARNING To prevent tipping and resulting injury, do not position arm prompts on the front of the top bar (see Figure 10a).

Figures 10b and 10c: It is recommended that arm prompts are attached just forward of the main frame uprights. This creates stable positioning and leaves room for other accessories.

Figure 10b: Arm prompt clamps can be attached on the outside of the top bar.

Figure 10c: For slimmer children, the clamps for any accessory can be attached on the inside of the top bar. This way the prompts can be positioned closer to the child.

(To reposition clamps and posts see pages 8 and 12.)



Figure 10a



Figure 10b Attached outside of top bar



Figure 10c Attached inside of top bar

Adjustments

Figures 11a and 11b:

Loosen knob (A) to:

- Slide arm pad toward or away from the child.
- Rotate up or down.
- Rotate in or out.
- Move the arm pad backward or forward.

To adjust the height of arm prompt:

1. Press button (B) and slide post to desired position.
2. Release button and push post to engage it.

To adjust the handhold:

1. Loosen knob (C).
2. Slide handhold forward or back for different forearm lengths.
3. Rotate the handhold from side to side.

Arm strap (D) and wrist strap (E) secure the child's arm in the arm prompt.

Using the wrist strap prevents the child's arm from inadvertently coming out of the arm prompt.

To reposition the entire arm prompt:

1. Loosen knob (F).
2. Slide arm prompt to desired position on the frame.

Or completely remove the arm prompt from the Pacer by pressing button (B) and pulling out the post.



Figure 11a



Figure 11b

Figure 12a:

Arm prompt posts can be removed and repositioned to adjust the width between arm prompts.

Arm prompt clamps can be removed and repositioned to further adjust the width between arm prompts.

- Steps 1 and 2 show the clamp on the inside of the top bar.
- Step 3 shows the clamp on the outside of the top bar, which increases the width between arm prompts.
- For instructions on how to remove and reattach the clamps, see page 8.

Figure 12b:

Take time to familiarize yourself with the adjustments on each arm prompt.

Arm prompts can:

1. Rotate around horizontal section of post.
2. Rotate 360° around the vertical post.
3. Slide in and out on horizontal section of post.
4. Clamp holding post can be moved along top bar.
5. Post has four positions at 90° each.

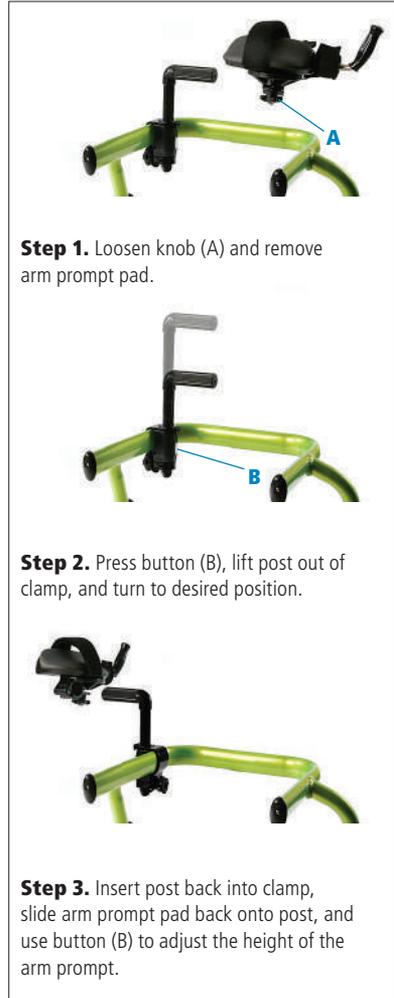


Figure 12a



Figure 12b

Chest prompt

Attaching

⚠️ WARNING To prevent tipping, falls and resulting injury or death:

- Position chest prompt so that the child's center of gravity is centered between the casters.
- Tighten all adjustment knobs on chest prompt prior to use.

Figure 13a: Attach chest prompt directly behind the main frame uprights. The front of the chest prompt has a containment loop to keep the pads together. The back opens for easy access.

Adjustments

To adjust width of chest prompt:

- Place clamps on the inside or the outside of the top bar (see previous pages).
- Loosen knobs (C) to slide sides of chest prompt in or out.
- Retighten knobs.

To rotate chest prompt:

- Loosen knobs (C) completely.
- Rotate prompt to desired position.
- Retighten knobs.

To adjust height of chest prompt:

- Press buttons (B) and slide posts to desired height.
- Release buttons (B) and push posts to engage them.

Reposition or remove entire chest prompt:

- Loosen knobs (A).
- Slide chest prompt backward or forward and retighten knobs (A).
- To remove clamps, see page 8.



Figure 13a

Straps (D) can be adjusted independently to tighten or loosen the chest prompt or to adjust the forward leaning angle of the child. Chest prompt opens front and back. This allows the child to be placed in the anterior or posterior position (see pages 22 – 25).

Hip positioner

Attaching

⚠️ WARNING To prevent tipping and resulting injury, do not position prompts at the rear ends of the top bar (see Figure 14a).

Figure 14b: The hip positioner is designed to encourage forward-leaning. Attach this accessory with its two clamps and handholds near the back of the top bar, and straps with buckles (A) in front of the frame uprights.

To attach the front of the hip positioner:

- Use buckles (A), to attach the straps at the optimal location for positioning. Locations for strap attachment may include any secure position along the top bar of the frame in front of main uprights, at the base of the clamps/accessories in use, or at the chest prompt cross bar.

To attach rear of hip positioner:

- Attach rings (B) to the handholds.



Figure 14a



Figure 14b

Adjustment

Figure 15a:

To adjust position of handholds on frame:

- Loosen knob (A).
- Slide handholds and clamps to desired position on frame.

To adjust rear height of hip positioner:

- Press button (B) and raise handholds to desired height.
- Release button (B) and push down handholds to engage them.

To raise and lower hip positioner use strap adjusters (C) at back and (D) at front.

Children are usually more comfortable with the rear of the hip positioner lower than the front. To achieve this, shorten front straps (D) and attach them as high as possible.



Figure 15a

Hip positioner pad

Assembly

Figures 16a and 16b:

1. Push the rear straps of the **hip positioner** through the crossed over straps and pull the **pad** into place.
2. Snap front and side flaps of **pad** together around the **hip positioner**. Make sure both snaps are securely fastened.
3. Attach hip positioner on Pacer.



Figure 16a



Figure 16b Underside of hip positioner with pad

Pelvic support

Attaching

⚠️ WARNING To prevent tipping and resulting injury, do not position prompts at the rear ends of the top bar (see Figure 17a).

Figure 17b:

The pelvic support provides weight-bearing assist. It is an alternative to the hip positioner. Attach this accessory with its two clamps and handholds near the back of the top bar, and straps with buckles (A) in front of the frame uprights.

To attach front of pelvic support

- Use buckles (A) to attach the pelvic support at the optimal location for positioning. Locations for strap attachment may include any secure position along the top bar of the frame in front of main uprights, at the base of the clamps/accessories in use, or at the chest prompt cross bar.

To attach rear of pelvic support

- Attach rings to handholds (B).



Figure 17a



Figure 17b

Adjustment

Figure 18a:

To adjust rear height of pelvic support:

- Press buttons (B) and slide handholds to desired height.
- Release buttons (B) and push down on handholds to engage them.

To adjust position of handholds on frame:

- Loosen knob (A).
- Slide handholds and clamps backward or forward on the frame.

To raise and lower pelvic support:

- Use strap adjusters (C) and (D) at the back or front of pelvic support.



Figure 18a

Ankle prompts

Attaching

Figure 19a:

- Insert the ankle prompt latches into slots at the bottom of pacer frame tubes. The white tooth should snap securely into the tube.
- To remove press the white button on the latch and release the tooth from the slot.



Figure 19a

Adjustments

Figure 19b:

1. To secure, loosen, or tighten the strap around the ankle of the child, use the buckle adjuster (A).
2. Strap (B) can be adjusted to help guide the stride of the child.
3. To limit or increase the stride of the child, squeeze and slide the spring adjusters (C) along the rods.



Figure 19b

Tray

⚠ WARNING To prevent tipping and resulting injury:

- Do not use the tray as a restraint or body support.
- Directly supervise child's use of the tray.
- Do not place more than 10 lb. (4½ kg) on tray.

Attaching

1. **Figure 20a:** For maximum stability attach the tray centered at the front of the top bar.
2. The maximum weight that can be placed on the tray is 10 lbs (4 ½ kg).

Adjustment

Figures 20a and 20b:

To adjust angle of tray:

- Loosen knob (C).
- Change the tilt angle of the tray.
- Rotate the tray from side to side.

To adjust the height of the tray:

- Press button (B).
- Slide post to desired height.
- Release button (B) and push tray up/down to engage post.

To reposition entire tray on Pacer frame:

- Loosen knob (A).
- Slide the clamp with tray along the top bar.

To remove insert (D):

- Push fingers up through holes in tray (G).
- Re-install insert (D) by placing tabs (E) in slots (F) and pressing down on front edge of insert until it snaps in place.



Figure 20a



Figure 20b

Guide bar

⚠️ WARNING To prevent injury, adult supervision is required at all times. Always remove guide bar when not in use.

Attaching

1. **Figure 21a:** For maximum stability attach the guide bar centered at the front of the top bar.
2. Guide bar is attached by tightening knob (A) to clamp it on.



Figure 21a

Adjustments

1. **Figure 21b:** Rotate guide bar until it is behind the child for pushing or in front for pulling by caregiver.
2. **Figure 21a:** Tighten knob (A) to make guide bar stay at the desired height when the handle is released.



Figure 21b

Operation

Once the accessories are attached and adjusted approximately, the child can be placed in the Pacer in either an anterior or posterior position.

Anterior positioning

⚠ WARNING To prevent tipping and resulting injury:

- Position prompts so that the child's center of gravity is centered between the casters.
- Use adequate accessories to ensure that child's feet remain within boundaries of the Pacer frame.
- Do not position arm prompts or handloops at the extreme ends of the top bar.

Forward facing

Figures 22a and 22b: This shows normal positioning. Note that the chest prompt has no tilt and the slightly forward-leaning angle of the child is achieved by locating the hip positioner / pelvic support behind the shoulders.

1. Apply the caster brakes to immobilize the Pacer.
2. Approximate the adjustments of:
 - chest prompt
 - arm prompts
 - hip positioner or pelvic support
3. Unfasten:
 - Hip positioner or pelvic support rings at rear of Pacer
 - Buckles at the rear of the chest prompt
 - Straps of arm prompts and ankle prompts



Figure 22a



Figure 22b

4. Place the child in the Pacer
 - Fasten the rear buckles of the chest prompt.
5. Pull the hip positioner or pelvic support between the child's legs and connect the rings to the handholds (or fasten buckles if preferred).
6. Secure the child's forearms with the arm prompt straps, or place the child's hands on the hand loops.
7. Secure the ankle prompt straps around the child's ankle.
8. Release the caster brakes.



Figure 23a

Forward-leaning

Figure 23a: This shows how a more pronounced forward-leaning position is achieved. Note the chest prompt tilt and the location of the hip positioner behind the child's shoulders. The front hip positioner straps are attached to the chest prompt posts. The hand loop clamps are attached to the front of the top bar.

1. To adjust the child's forward-leaning angle:

- Use the chest prompt tilt adjustment.
- Keep the top of the chest prompt away from the armpits to avoid pressure and discomfort.

2. Adjust hip positioner or pelvic support:

- Adjust height of handhold posts.
- Use straps to adjust hip positioner or pelvic support angle and to position child's pelvis in the desired forward-leaning angle in relation to the chest prompt.

3. Adjust arm prompts or hand loops:

- To adjust the width, height and angle of the arm prompts (see pages 10-12).
- To adjust hand loops (see pages 8 and 9).

4. Adjust ankle prompts:

- Adjust straps and spring adjusters to guide the stride of the child (see page 19).

5. Adjust the tray position and angle (see page 20).

6. Release the caster brakes.

Posterior positioning

Figure 25a: Children can be positioned in the Pacer facing the rear (open end) of the frame. This is called posterior positioning, and allows advanced users to move freely without obstructions below or in front of them.

Children positioned posteriorly generally require less support and fewer accessories.

- Arm prompts or handloops should be attached as close to main frame uprights as possible. Refer to the warnings on pages 3 and 4 for important safety information.
- Chest prompt (if used) opens front and back for easy transfers during posterior positioning.



Figure 25a

To change to posterior configuration:

1. **Apply the caster brakes** to immobilize the Pacer.
2. **Turn accessories** to face open end of Pacer frame and reattach to the top bar.
3. **Reset swivel locks** in opposite direction if needed (see page 7).
4. **If any other prompts are required** follow anterior positioning instructions in reverse (see Pages 22 – 24).
5. **Release caster brakes.**

For more details on accessories, function and recommended uses, go to:

Maintenance 🗝️

This product is designed and tested for an expected life of 5 years when used and maintained in accordance with this manual. At all times, users must ensure that the product remains in a safe and useable condition, including regular maintenance and inspections as specified in this manual.

To prevent structural failure, which may result in serious injury or death:

- Inspect this product and accessories regularly for loose or missing screws, metal fatigue, cracks, broken welds, missing attachments, general instability or other signs of excessive wear.
- Immediately remove this product from use when any condition develops that might make operation unsafe.
- Do not use Rifton components or products for any purpose other than their intended use.
- Replace or repair components or products that are damaged or appear to be unstable.
- Use only Rifton authorized replacement parts. Order information for replacement parts is provided on the back of this product manual.

Do not use petroleum-based or solvent-based lubricants on casters, but lubricate when necessary with silicone spray or graphite.

Cleaning 🧑 🏠 🗝️

As needed, clean with disinfectant wipes or a solution of up to 10% bleach. Do not use excessive amounts of water.

The straps with hook and loop closures may be laundered. Engage the closures before washing. Do not iron.

Wash casters with water after outdoor use. Avoid mud and sand.

Warranty Statement 🧑 🏠 🗝️

If a Rifton product breaks or fails in service during the first year, we will replace it free of charge.

Materials 🧰

- Steel hardware items (nuts, bolts, screws, etc) are typically zinc or nickel plated, or stainless steel.
- Upholstery items (pads, support blocks, padded prompts, etc) are typically polyurethane foam with a fire-retardant cover made from expanded vinyl.
- Frames are typically steel or aluminum tubing, welded together, and coated with a baked-on paint finish. Some frame components may also be stainless steel.
- Straps are typically made of polypropylene or nylon webbing.
- Plastic components are typically injection molded from a variety of industrial resins.

All materials are latex, lead and phthalates free.

User modifications 🧑🏠🧰

⚠️ WARNING To prevent serious injury or death, do not modify or alter Rifton products or components, or use Rifton products or components in conjunction with products from other manufacturers. Rifton does not accept responsibility for any modifications or alterations made to our components or products after they leave our premises. Customers modifying or altering our components or products, or using them in conjunction with products from other manufacturers, do so at their own risk.