

R120, R130 & R140

# Tricycle

R120, R130 & R140 Product Manual



CE





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## Key for EU 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.

## Check your order

Tricycle main frame, handlebar assembly, backrest assembly, front guide bar (if ordered), accessories for the tricycle, and this product manual ship together.

Rear steering bar (if ordered) and stationary stand (if ordered) ship in separate cartons.

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

**If your shipment is incomplete or in any way damaged on arrival, please call Customer Service, 800.571.8198.**

## **WARNINGS**

- Thoroughly read and understand the information in this manual before attempting to use this product. If the procedures and instructions in this manual are not followed, serious injury could occur.
- A qualified professional must assess the appropriateness and safety of all equipment for each user.
- Correct use of this product requires the prior approval and ongoing guidance of a qualified therapist or physician.
- This product is intended for use by children of immature judgment. Adult supervision is required at all times.
- Do not use this product on rough and uneven terrain, around swimming pools, or near stairways.
- Straps and supports are provided for the safety of the user and must be carefully adjusted for comfort and security. The use of straps and supports must be supervised at all times.
- Restraints – Using straps, trays or supports to restrict a child’s movement is considered behavioral restraint, which may raise ethical and legal issues for your facility. Rifton Equipment is not intended for this use.
- Tricycles are inherently unstable. All tricycle use must be carefully supervised.
- Rider should always wear shoes and a protective helmet and fasten all safety belts.
- The tricycle may not be appropriate for children with strong involuntary movements, poor body balance, or limited head control.

## **IMPORTANT**

- Please save this product manual. Additional copies are available at [www.rifton.com](http://www.rifton.com)
- Please refer to the Rifton product catalog for our full warranty, or visit [www.rifton.com](http://www.rifton.com)

## Recommended use

The tricycle can be used for recreation and play for children and adolescents with disabilities. Chain drive from pedals to rear wheel offers the following advantages:

- Pedaling is slightly forward of the seat instead of at front wheel as with many other tricycles. This provides a more efficient, comfortable and natural posture.
- Steering is separate from pedaling, reducing the coordination needed to pedal and steer the tricycle.

## User and item dimensions

User dimensions – inches (cm)	R120 small	R130 medium	R140 large
Inside leg length	17–22 (43–56)	22–28 (56–71)	25–35 (64–89)



### Key user dimension: inside leg length

The extended leg should reach from seat to pedal comfortably when both feet and torso are strapped into place.

**Important:** User's weight must not exceed the maximum working load. Rifton Tricycles are not intended for children with strong reflexes or poorly developed trunk balance and head control. Consult your child's therapist before ordering.

Item dimensions – inches (cm)	R120 small	R130 medium	R140 large
Overall height	37 (94)	40 (102)	53 (135)
Overall length	45 (114)	52 (132)	65 (165)
Overall width	27 (69)	27 (69)	31 (79)
Wheel diameter	13 (33)	15 (38)	19 (48)
Seat center to extended pedal	17–22 (43–56)	22–28 (56–71)	25–35 (64–89)
Gear ratio (approximate)	1:1	1:1	1:1
Item weight – lbs (kg)	47 (21)	56 (25)	65 (29)
Max. working load – lbs (kg)	150 (68)	160 (73)	200 (91)

Tray dimensions – Inches (cm)	small	large
Inside dimensions	8½ x 12½ (22 x 32)	11½ x 13½ (29 x 34)
Max. working load – lbs (kg)	10 (5)	15 (7)

## Frame

### Trunk support system

#### Recommended use

The trunk support system aids users who have difficulty remaining upright while sitting. It can be used to correct excessive leaning toward one side.

#### Attaching

1. Remove knob (A) and clamp channel (B) from trunk support.
2. Place assembly on backrest tubes in the position shown, with the bolt facing the rear (see Figure 6a).
3. Place clamp channel (B) and knob (A) on the bolt and tighten securely.
4. Repeat procedure for lower ring attachment bar (H).

#### Transfers and adjustments

1. Push oval release button (D) to remove lateral supports (C).
2. Remove one or both lateral supports and reinstall them facing the rear.
3. Seat the user on the tricycle, and re-position the lateral supports using the oval release buttons (D) to make any necessary adjustments to the lateral supports.
4. If desired, clip on butterfly harness (G) using the ring attachment points (E and F) and adjust strap lengths with strap adjusters (I).

#### **WARNING**

- This accessory is intended for use on Rifton tricycles only.

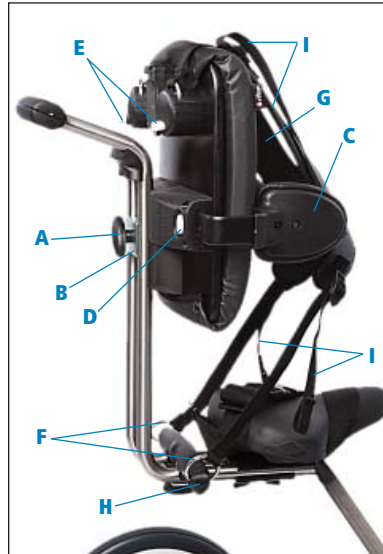


Figure 6a

#### **WARNINGS**

1. ALWAYS check that the butterfly harness is positioned correctly. Adjust straps for comfort and safety to avoid strangulation hazard
2. ALWAYS use the seatbelt with the butterfly harness. The absence of a seatbelt may result in falls or strangulation.
3. ALWAYS use lateral supports with the butterfly harness. Absence of lateral supports may put pressure on the user's neck and pose a strangulation hazard.

## Backrest pad

### Attaching

1. Remove knob and clamp channel (A) below seat.
2. Slide backrest tubes out.
3. Turn backrest upright (see Figure 7a) and attach with clamp channel and knob (A) below seat.
4. Attach additional backrest pad if needed.

### Adjusting

Backrest pad adjusts vertically 12" (30.5 cm) above seat with knob (C), and 3½" (9 cm) horizontally with knob (A).

## Seat

### Adjusting

Seat position adjusts vertically using knob (D). To adjust seat height, loosen knob (D) move seat to desired position, then partially tighten knob (D). Move the seat up and down slightly to engage the pin in the nearest seat post hole. Tighten knob (D) securely (see Figure 7b).

**Note:** Always adjust seat height before the rider is seated.

## Parking brake

The parking brake (E) stabilizes the tricycle stable while the rider is getting on or off. It is for use on flat surfaces only. Brake can be operated by hand or foot (see Figure 7c).



Figure 7a



Figure 7b

### **⚠ WARNING**

Do not adjust front of backrest tube beyond the forward edge of clamp (F) (see Figure 7b).



Figure 7c

## Handlebar and handbrake\*

\* Hand brake not available on small tricycle.

### Recommended use

A conventional handlebar or loop handlebar can be used with your Rifton tricycle. Hand brake (C) allows the user to slow and stop the tricycle.

### Adjusting the loop handlebar

Rotate handlebar toward or away from rider by loosening the two oval knobs (B). Secure in required position by tightening both knobs.

Handlebar adjusts vertically  $3\frac{5}{8}$ " (9.2 cm) with knob (A).

### Adjusting the conventional handlebar

Handlebar adjusts  $3\frac{5}{8}$ " (9.2 cm) in height with knob (A).

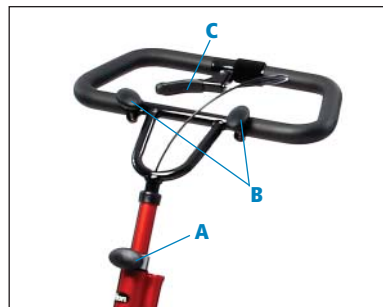
### Operating the hand brake

The hand brake (C) allows the user to slow and stop the tricycle.

For the loop handlebar ONLY: The hand brake can be positioned anywhere on the loop handlebar using the hook and loop strap provided.



Conventional handlebar



Loop handlebar

### WARNING

- This accessory is intended for use on Rifton tricycles only.



## Accessories

### Headrest

Two headrests are available for use with the trunk support system only. One is flat the other contoured.

#### Attaching

Press white oval button (A) and insert metal headrest bar into slot (see Figure 9a). Release button to engage headrest and click into place.

#### Adjusting

Press white oval button (A) and raise or lower headrest. Release button to engage and click into place.

To adjust depth and angle of headrest, loosen both black knobs (B). Move headrest to desired position and tighten both knobs securely.

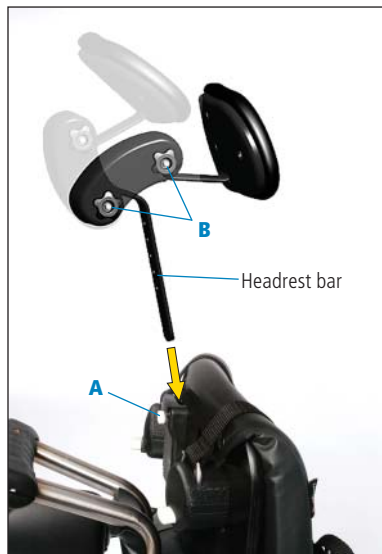


Figure 9a

## Rear steering bar

### Recommended use

The rear steering bar allows the caregiver to guide the tricycle from behind (see Figure 10a).

**Note:** Before attaching check the size numbers on the short tube of the rear steering bar to make sure the size of the rear steering adapter and tricycle number are the same.  
(R120 Rustler, R130 Ranger, R140 Wrangler)

### Attaching

1. Attach the support bar (A) to the backrest tubes. The clamp channel and oval adjustment knob (B) should face the rear.
2. Snap the push rod (C) into the guide loop (D).
3. Use the clamp knob (E) to open the clamp (F), and then place it over the handle bar U-tube and tighten it.

**Note:** The handle bar must be above the lowest position when attaching the clamp (F). With the clamp in place the handlebar can be fully lowered again.

### Adjusting

To raise or lower the support bar (A) loosen knob (B) place in desired position and tighten knob (B) again.



Figure 10a

**⚠ CAUTION:** A very low handlebar position and high support tube position may result in interference between the push-tube and handlebar during left turns. Check for adequate clearance before use and adjust if necessary (see Figure 10b).



Figure 10b

### **⚠ WARNING**

- This accessory is intended for use on Rifton tricycles only.

## Front guide bar

### Recommended Use

The front guide bar allows the care-giver to guide and move the tricycle at the front (see Figure 11a).

**Note:** The clamp cannot be attached with the handlebar in the lowest position. Once the clamp is in place the handlebar can be fully lowered.

### Attaching

1. Loosen knob (A) to open clamp.
2. Attach front guide bar to handlebar as shown.
3. Tighten knob (A).



Figure 11a

### **WARNING**

- This accessory is intended for use on Rifton tricycles only.

## Abductor

### Recommended use

The abductor is for children who require knee separation or abduction.

### Attaching

Place abductor onto tubes with large end of bracket facing down. Bracket fits snugly onto slanted frame tubes (see Figure 12a).

#### **WARNING**

- This accessory is intended for use on Rifton tricycles only.



Figure 12a

## Communication tray

### Recommended use

The communication tray provides a surface for personal communication devices and other activities. Communication sheets can be placed under the false bottom and electronic devices can be secured to the tray. The tray is easily removed when not in use (see Figure 12b).

### Attaching and adjusting

1. Attach tray to the handlebar by loosening the tray knob (E) and placing it over the handlebar in location shown.
2. Tighten knob (E) while holding the tray at desired angle.
3. To attach a communication sheet, push through holes in bottom of tray to remove cover. Insert sheet and replace cover.



Figure 12b

#### **WARNING**

- This accessory is intended for use on Rifton tricycles only.

#### **CAUTION**

- The tray is not designed to be used as a restraint or for body support.

## Stationary stand

### Recommended use

The stationary stand converts your tricycle into a stationary trainer, for learning the basic motions of pedaling (see Figure 13a-13c).

### Attaching

1. Place the stand on the floor in the desired location.
2. Lift the tricycle's rear axle into the correct notch on the stand (see Figure 13b). Use the lowest position for the R120 (Rustler), the middle for the R130 (Ranger), and the highest for the R140 (Wrangler) Rifton tricycle.

**Note:** The stand should be centered laterally on length of the rear axle (see Figure 13c).

### **WARNING**

- This accessory is intended for use on Rifton tricycles only.



Figure 13a



Figure 13b



Figure 13c

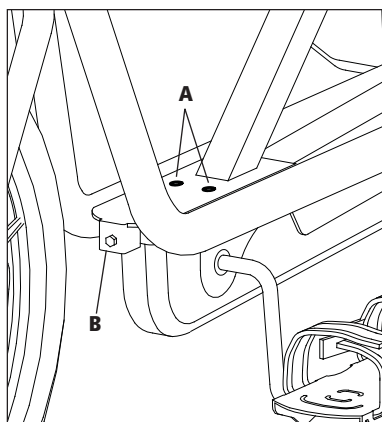
## Maintenance

**Periodically inspect** for cracks, breaks, loose or missing parts, and/or malfunctions. Remove the product from service when any condition develops that might make operation unsafe.

**Chain is oiled** in factory. If maintenance to chain is required, remove pan by pulling upward on the back of the pan, then remove screw from the side of the chain guard. Retain the screw. Remove chain guard by pulling upward to release from axle. After servicing the chain, the chain guard and screw must be replaced. Snap pan back into place.

**Chain tension** is factory set. Should it need tightening, do the following:

1. Slightly loosen the two cap screws (A) on top of crank case using a hex head wrench.
2. Use the same size wrench to tighten the cap screw (B) at the front of the plate until slack is removed from chain. Do NOT overtighten.
3. Re-tighten the two cap screws on top of crank case.



## Cleaning

Clean upholstery with soap and water or cleaner designed for imitation leather. Web straps can be laundered, but beware of lint sticking to hook and loop. Tray may be washed with mild soap and water. Wash handgrips with soap and water.

## 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 fire-retardant 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.
- Tires are tubeless, filled with polyurethane foam, and do not require inflation.
- Straps are typically made of polypropylene or nylon webbing.
- Wooden components are typically birch plywood, solid maple, or laminated hardwood veneers, finished with a clear polyurethane lacquer.
- Tabletops are typically high-pressure laminate (Formica).
- Plastic components are typically injection molded from a variety of industrial resins.

All materials are latex, lead and phthalates free.

## User modifications

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

## Rifton Contact Info



### Online

[www.Rifton.com](http://www.Rifton.com)  
[Sales@Rifton.com](mailto:Sales@Rifton.com)



### Phone

**800.571.8198**  
9-5 EST



### Mail

Rifton Equipment  
PO Box 260  
Rifton NY 12471-0260



### Fax

**800.865.4674**

## 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.**