Instruction Manual for Community Cruiser:

1024

(Part #: 50-HC-1024)
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Revised: 12/16/2015
AmTryke® therapeutic tricycles, owned and operated by National AMBUCS™ Inc., are designed for people with disabilities who are unable to operate a traditional bicycle. AmTryke tricycles or “trykes,” can be operated by feet, hands or both, and include a wide variety of models. The trykes can also be adjusted to fit the needs of different riders, including frame size, type of seat, trunk and leg supports.

AmTryke’s 1424 Community Cruiser Therapeutic Tricycle provides a good mobility option for larger riders and features an adjustable easy slide wheel chair seat for transfer of riders. Riders who are comfortable with the normal wheelchair position find this seat familiar and easy to adjust. This hand crank tryke operates easily and includes a 3-speed Shimano hub for ease in riding on gentle slopes and hilly terrain. A tight turning radius makes this tryke easy to maneuver. An adjustable foot platform provides secure foot positioning. This tryke also features a basket for shopping, a coaster brake for additional safe riding and a front hand brake.

1424 can be adapted with several accessories. See Optional Accessories in this manual for more information. You can also visit our website for most up to date information at www.ambucs.org.

About This Manual

Read this manual carefully before assembling your tryke or using it for the first time. This manual includes important information about safety, assembly and maintenance. Keep this manual in a safe place for information and for ordering accessories/parts.

AMBUCS/AmTryke reserves the right to make changes to the design and technology of AmTrykes. The assembly instructions are accurate as of the date of this manual’s printing.
Safety

Safety is very important to us. AmTryke products are designed in accordance with the latest safety standards and are constantly monitored for quality. We use information from this quality control to develop our products.

We urge all riders to seek the opinion of their health-care provider(s) before riding their tryke.

AmTrykes should be used for their intended purpose only.

Safe Riding Tips

Before riding, familiarize yourself how the tryke operates — it’s steering, braking and shift gears (if applicable). Adjust the seat, handlebars and pedals to fit the rider. Please see Fitting AmTryke for Rider section in this manual for more information.

Here are some tips about riding safety:

- AmTrykes should be used with close adult supervision.
- Riders must wear helmets. All our trykes include a free safety-rated helmet. The helmet must fit appropriately. A properly fitting helmet sits on the head comfortably — a helmet that sits high on the head is too small. Some movement is acceptable, but a helmet that moves a lot is too large. See the illustration below for reference:

<table>
<thead>
<tr>
<th>Correct Way to Wear Helmet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RIGHT</strong></td>
</tr>
<tr>
<td><strong>WRONG</strong></td>
</tr>
<tr>
<td>Wear the helmet flat atop your head, not tilted back at an angle.</td>
</tr>
<tr>
<td>Make sure the helmet fits snugly and doesn’t obstruct your vision. The chin strap should fit securely and the buckle stay fastened.</td>
</tr>
</tbody>
</table>

**NOTE:** Be careful not to pinch the skin when fastening helmet buckle.

For more information about finding the correct size helmet, see Helmet Sizing Chart on page 18.
• Riders must wear shoes. If shoes have laces, they must be tied properly.

||WARNING: NEVER ALLOW MORE THAN ONE RIDER ON AMTRYKE.||

• Most trykes are equipped with a steering pin and have three steering options available:
  o **Full steering**: No steering pin. This option allows riders to make sharp turns and is appropriate for riders who ride at slow speeds or in close quarters. Close adult supervision is required.
  o **Limited steering**: This option allows riders to turn 20 degrees in either direction, thus, reducing the risk of over-steering or tipping over.
  o **No steering**: This option allows for riding straight only. A supervising adult is required to turn the tryke.

• To avoid tipping the tryke over, approach wheelchair ramps or thresholds at a 90-degree angle.

||WARNING: DO NOT RIDE IN OR NEAR TRAFFIC, OR WHERE THERE IS A RISK OF FALLING OFF CURBS, STAIRS, POTHOLES OR OTHER HAZARDS.||

• Use caution on sloped parking lots, driveways and sidewalks. Avoid excess speed by having an adult restrain the tryke from behind on sloped surfaces. The trykes have many options for control features. Consult AmTryke to find out the best solution for your rider.

• Many riders do not have the motor skills required to be able to use the hand brake effectively.

||WARNING: DO NOT RESTRAIN TRYKE BY GRABBING HANDLEBARS OR HAND BRAKE — THIS MAY CAUSE IT TO TURN SHARPLY AND TIP OVER.||

• Depending on trunk stability, behavioral compliance and body awareness, some riders may need supports (e.g., lateral, head), belts (e.g. lap, shoulder), hip abductors or other specialized equipment. A physical therapist/health professional can assist you with any recommendations.

• Riders should only be allowed to ride trykes that are the appropriate size. If you are uncertain, refer to *AmTryke Sizing Charts* in this manual or contact a physical therapist.

• Before riding, always check that all tires are inflated properly.

• If parts are broken or missing, the tryke should not be used until repaired.
**Brakes**

If your tryke has brakes (front or coaster brakes) be careful when using the brakes. Operate the brakes gradually. If your tryke has front brakes (front caliper brake or both front caliper brake and rear disk brake) squeeze the brake lever(s) gradually until you feel brake(s) working. The left brake lever operates the front caliper brake and the right lever operates the rear brake. To stop your tryke, use both brakes. It is advisable to start braking by operating the rear brake slightly before the front brake.

**WARNING:** BE CAREFUL WHEN OPERATING BRAKES. SUDDEN BRAKING MAY CAUSE TRYKE TO TIP OVER.

**Shift Gears**

If your tryke has shift gears, use precaution when shifting gears. When shifting gears keep pedaling but reduce pedaling pressure. Do not try to change gears when pedals or wheels are not moving. Also, never change gears while back pedaling and do not force the gear shifter when changing gears.

**CAUTION:** USE CAUTION WHEN SHIFTING GEARS.
Assembly Instructions

Please refer to the following instructions on how to assemble your tryke. Study the instructions carefully before beginning assembly and follow the sequence shown in the instructions.

NOTE: AmTryke must be assembled by an adult.

Be careful when assembling your tryke. Make sure that your working area is free of possible sources of danger, such as tools lying around.

⚠️ WARNING: THERE IS ALWAYS A DANGER OF INJURY WHEN WORKING WITH TOOLS OR DOING MANUAL WORK.

Always dispose of packaging material properly. Do not let children play with plastic bags.

⚠️ WARNING: THERE IS A RISK OF SUFFOCATION WITH PLASTIC BAGS. KEEP PLASTIC BAGS AWAY FROM CHILDREN.

When assembling your tryke, bolt all parts together loosely at first and check that they have been put together correctly. Tighten lock nuts by hand until snug and then use proper tools to tighten nuts completely.

⚠️ CAUTION: CHECK THAT ALL SCREWS HAVE BEEN SECURELY TIGHTENED BEFORE USING YOUR TRYKE.

Getting Started

Your AmTryke is shipped in parts. Carefully remove and lay out all parts from the carton so that you don’t scratch or lose any parts or pieces. Check that you have all the necessary parts. If any parts are missing, please call us at 1-888-AMTRYKE for assistance.

Remove packaging material and discard. See the following photo to identify different parts:
Your AmTryke also includes the following hardware not shown in the picture above:

Basket hardware

Seat back hardware
You need the following tools for assembly (too see a picture of different tools, see page 19):

**TOOLS REQUIRED:**
- 8 and 10 mm wrench/socket
- 12 and 13 mm wrench/socket
- 14 and 15 mm wrench (incl.)
- 22 mm socket or adjustable wrench
- 7/32 and 5/32 Allen wrench
- Flat and Phillips head screwdriver

**Frames**

Start assembling your tryke by first attaching the rear frame onto the main frame.

Before attaching the rear frame to the front fork assembly, attach back wheels to it:

1. Remove the axle nut, washer and spacer from the axle.
2. Slide the axle through the rear frame from the right side to the left side of the tryke until the axle protrudes out of both sides.
3. Slide the wide spacer over the left axle side.

![Axle nut and Washer](image-url)
4. Remove the axle nut from the right side.
5. Slide the back wheels onto both sides. Put a washer on the axle first and then the axle nut. Use a 22 mm socket or adjustable wrench to tighten.
6. Install black axle nut covers over the nuts. Tap lightly with the palm of your hand to secure.

⚠️ CAUTION: BE CAREFUL NOT TO OVER TIGHTEN AXLE NUTS. DOING SO BINDS AXLE BEARINGS AND CREATES LOUD CREAKING OR CLICKING NOISE. UNTIGHTEN NUTS UNTIL WHEELS OPERATE QUIETLY.

To attach the rear frame onto the front fork assembly, slide the main frame assembly over the square mating tube on the rear frame. Insert the safety pin (silver) and threaded lever to secure the two pieces.
Handgrips

**NOTE:** The handgrip with the brake lever goes on the left crank arm and the handgrip with the shifter lever goes on the right crank arm.

To install the handgrips, stand in front of the tryke and carefully hand thread the left handgrip counterclockwise and the right clockwise onto the crank arms.

**TIP:** Pedal threads tighten toward front of bike.

When you are sure that they are threaded correctly, tighten with a 15 mm wrench or socket.

Optional Accessories

If you prefer having your gear shift at another location, we suggest our 1024 Remote Mounting 3-Speed Kit. This kit moves the brake and shifter under the 1024 seat on either the left or right side. It includes a Bar End Stub and 4 Zip Ties. Pictured below:

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**CAUTION:** BE CAREFUL WHEN THREADING PEDALS. DO NOT FORCE. PEDALS THREAD EASILY WHEN INSTALLED PROPERLY.
**Foot Platform**

To install the foot platform to the frame, begin by putting a thick washer over a large Allen bolt. Hold foot platform assembly to the underside of the frame and align holes. Start threading each Allen bolt with thick washer by hand until both are threaded enough to hold foot plate assembly in place. Use the Allen key provided to tighten the bolts until secure.

**Seat**

Start seat assembly by first putting together the seat:

1. Slide the backrest into the seat and align the holes.
2. Slide a large flat washer over an Allen bolt and through the seat belt grommet, and put the bolt through the hole in the backrest.
3. Put a small flat washer and nut on the other side of the bolt. Use a 13 mm wrench or socket to tighten the nut. (Repeat process on the other side).
Next, install the seat to the frame:

1. Remove four nuts from the bottom of the seat and place the seat on the rear frame with the threaded bolts protruding through the seat plate. **Four Thick Washers** should be placed on top of the **Seat Support**. It is important to note that these washers **MUST** be in place in order to slide seat forwards and backwards—once fully assembled. We recommend installing rear bolts first—this helps hold seat in place as you install the front bolts. Both sets require a 5mm Hex and 13mm Wrench to tighten properly.
**Basket**

To install the basket, follow these steps:

1. Attach the basket support using two short black Phillips screws, two nuts and two black brace brackets.
2. Attach the basket to the backside of the seat back using two clamps, two long lag bolts and two nuts.
3. Attach the basket support bar to the rear frame using two bolts and two nuts.

**Wheel Reflectors**

To install the wheel reflectors, place the reflectors in an area on the rim that is opposite the valve stem, behind a single spoke with two spokes on the opposite side. Align the front of spoke with the clot in the reflector. Insert the white pin with the slotted end going over the spoke into the hole in the reflector. Use a screwdriver to turn the white pin until it locks in place.
Fitting AmTryke for Rider

The 1424 model has been designed for larger riders and offers an adjustable easy slide wheel chair seat. Please see the information below for quick reference on rider requirements:

<table>
<thead>
<tr>
<th>1424</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rider’s height: Max. 72 inches</td>
</tr>
<tr>
<td>Arm length 22-26 inches</td>
</tr>
<tr>
<td>Leg length 22-41 inches</td>
</tr>
<tr>
<td><strong>Maximum weight: 250 lbs</strong></td>
</tr>
</tbody>
</table>

For more information on how to measure rider’s size correctly, see the AmTryke Sizing Chart on page 17.

Follow these instruction to adjust the tryke for the rider:

1. Loosen the lever underneath the seat and adjust the seat position by sliding it forward/back. Tighten the lever.
2. Adjust the pedal platform by loosening the knob. Retighten when done.
3. Adjust the height of the handlebar stem to fit the rider.

Optional Accessories

Most AmTryke models can be adapted with a variety of seating options and accessories, so that most riders can feel safe and secure. See the table below for accessories available for 1424:

<table>
<thead>
<tr>
<th>OPTIONAL ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheel chair seat bar ends</td>
</tr>
<tr>
<td>Safety flag</td>
</tr>
</tbody>
</table>

For a complete and updated list of available accessories, please visit our website at www.amtrykestore.org.
Troubleshooting
Here are some common troubleshooting issues with answers.

**Pedals/handles will not thread into crank arms.**
Check to make sure that the right pedal is used on the right side and the left pedal is used on the left side.

**Rear wheels make noise.**
Axle nut(s) is too tight. You need to loosen it slightly.

**Brakes squeal or rub against the tire.**
Brakes are adjusted too tight. Readjust.

**Cable wraps around crank arms.**
Only happens when pushing backward. Hold onto cable while doing so and direct the cables.

For other issues not answered here, please contact AmTryke at 1-800-838-1845 or email us at Amtryke@ambucs.org.

Maintenance
Maintenance is important to help keep your AmTryke in good working order for years to come. This section includes some general maintenance tips.

**Wheels and Tires**
Wobbly wheels cut braking power, so keep all wheels running true. Wheels can lose alignment over time when spokes stretch. Wheel alignment takes special tools and know-how, so have this done by a professional/bike shop.

Proper tire pressure is also very important. If tire pressure is too low, it can cause a flat and rolling resistance, and if tire pressure is too high, it can cause a tube to blow out. Keep tires inflated to the pressure marked on the tire. Correct pressure assures longest tire life. Repair tube punctures with a self-adhesive patch, follow instructions that came with the repair kit.

**Brakes**
Brake shoes wear out so inspect them at least every six months. Make sure that they are properly aligned on the wheel rim for maximum braking power. Make adjustments if necessary.

It is best to let a professional to replace brake shoes. If you, however, decide to replace them yourself, remove the old brake shoes and install new shoes in the brake arm. Tighten the brake shoe clamp bolt.
Chain

Clean the chain at least every six months, more often if you have been riding your tryke over sand and dirt, or through water and mud.

You do not have to remove the chain for cleaning. You may clean the chain with an environmentally safe chain cleaning product and brush. If you use a solvent (such as kerosene) then remove the chain (with a chain rivet tool) and immerse it in the solvent to avoid spilling/staining, particularly on the tires or brake shoes.

Before riding your tryke, always check that it is in proper working order. Check that all quick release lock levers, nuts and bolts are properly tightened, and that tires are properly inflated.

Maintenance Schedule

Follow this maintenance schedule to keep your AmTryke in safe operating condition.

<table>
<thead>
<tr>
<th>PART</th>
<th>TO DO LIST</th>
<th>WHEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>All handlebar bolts</td>
<td>Check tightness</td>
<td>Every 4 months</td>
</tr>
<tr>
<td>Brake cables</td>
<td>Check for slack, frayed cable</td>
<td>Every 6 months</td>
</tr>
<tr>
<td>Brake arms</td>
<td>Check mounting bolt tightness</td>
<td>Every 6 months</td>
</tr>
<tr>
<td>Brake levers</td>
<td>Check tightness on handlebars</td>
<td>Every 6 months</td>
</tr>
<tr>
<td>Brake shoes</td>
<td>Inspect for wear, alignment</td>
<td>Every 6 months</td>
</tr>
<tr>
<td>Chain</td>
<td>Check for wear, clean, relube or tension</td>
<td>Every 6 months</td>
</tr>
<tr>
<td>Pedals</td>
<td>Check tightness</td>
<td>Every 9 months</td>
</tr>
<tr>
<td>Rear axle nuts</td>
<td>Check tightness</td>
<td>Every 4 months</td>
</tr>
<tr>
<td>Tires</td>
<td>Check tire pressure</td>
<td>Weekly</td>
</tr>
<tr>
<td>Wheel alignment</td>
<td>Check wheels for out of trueness</td>
<td>Every 6 months</td>
</tr>
<tr>
<td>Seat post</td>
<td>Check tightness of levers</td>
<td>Weekly</td>
</tr>
<tr>
<td>Seat</td>
<td>Check tightness</td>
<td>Monthly</td>
</tr>
</tbody>
</table>
Warranty

All AmTrykes come with a three-year residential warranty and one-year institutional warranty. The warranty begins with the date of purchase by the consumer. Address all warranty questions to AmTryke LLC, P.O. Box 5127, High Point, NC 27262; 1-800-838-1845.

THIS LIMITED WARRANTY IS THE ONLY EXPRESS OR LIMITED WARRANTY APPLICABLE TO AMTRYKE LLC. THE LIMITED WARRANTY SET FORTH HEREIN MAY NOT BE EXTENDED, ENLARGED OR OTHERWISE MODIFIED BY ANY AMTRYKE DEALER, AGENT OR EMPLOYEE, AND AMTRYKE DOES NOT ASSUME ANY LIABILITY OR MAKE ANY WARRANTY EXCEPT AS STATED IN THIS LIMITED WARRANTY.

PARTS: AmTryke will repair or replace, at its option, defective parts for this tricycle at no charge, for a period of one year after the date of original purchase. Parts subject to normal wear and tear, including tires, tubes, seat, pedals and handgrips are not covered by this one year period. Parts subject to normal wear and tear, found to be defective by the purchaser within 30 days of purchase, including tires, tubes, seat, pedals and grips, will be replaced by AmTryke at no charge. This warranty does not include dealer service charges for parts replacement or shipping charges to or from AmTryke.

FRAME: All AmTryke frames and forks are guaranteed to be free from defects in materials and workmanship for a period of three years from the date of original purchase. A frame or fork found defective in materials or workmanship will be repaired or replaced at AmTryke’s option.

Useful Information

AmTryke LLC, owned and operated by National AMBUCS Inc., a national nonprofit service organization, was established in 1994. It is dedicated to creating mobility and independence for people with disabilities.

AMBUCS has provided over 16,000 AmTrykes to riders across the United States. AMBUCS chapters fundraise and provide trykes for people with financial need. Riders must be evaluated by a physical or occupational therapist to be eligible.

AmTryke Therapeutic Tricycle Program

The AmTryke Therapeutic Tricycle Program is about abilities, not disabilities. The program’s goal is to provide people with disabilities the opportunity to ride bikes. AmTryke has designed a wide range of models suitable for many diagnoses at low cost.

AmTryke builds foot and hand trykes, and combination hand/foot driven trykes. To ensure a proper fit, AmTrykes can be adapted in many ways,
including frame size, type of seat, trunk and leg support. As a therapeutic tricycle, AmTrykes help children improve motor skills and provide strength training. They are fun to ride and offer the opportunity for inclusive play. For adults, AmTrykes provide a new form of mobility, exercise and freedom to explore the community.

For therapists the trykes provide an age appropriate, safe, dynamic modality for improving balance, coordination and strength. The trykes can build endurance, self-confidence and provide another form of self-mobility aside from the assistive device that the person may routinely use (i.e., wheelchair, crutches, walker). The multiple adjustments and accessories of the trykes make them a valuable addition to the medical therapy units’ repertoire of therapeutic devices.

For parents and families the use of AmTryke fulfills the need of every child to have a bike. All children deserve a chance to have a bike just like their siblings and friends. Given a safe, stable platform, many riders, not previously considered, can ride just like their peers. AmTrykes are designed to look like bikes, not medical equipment, and to be age appropriate.

The AmTryke Road Trip brings the equipment to rehabs, clinics and therapy centers. Training or in-services are offered to teach therapists about the AmTryke program. These are often combined with bike days so families can bring their riders and receive free evaluations for AmTrykes.

**Donations**

National AMBUCS Inc. supports the AmTryke Therapeutic Tricycle Program through charitable contributions. Please help another child have the same joy your child is experiencing by becoming a Friend of AMBUCS. Your contribution of $25 or more will be used with other donations to buy a child on our Wish List an AmTryke. All contributions are tax deductible. For more information, contact:

**AMBUCS Resource Center**
P.O. Box 5127  
High Point, NC 27262  
1-888-AMTRYKE, Ext. 113  
ambucs@ambucs.org  
www.ambucs.org  
High Point, NC 27262

**Returns**

No goods may be returned for credit without prior authorization from AmTryke and items must be sent back within 30 days. AmTryke will not be responsible for errors on size or other specifications when you order by telephone.
If you need to return merchandise for exchange or credit, disassemble the item and pack it carefully in the original container to protect it from damage, and insure the shipment. Credit cannot be issued if merchandise is damaged in return. Claims for damages or shortages must be made within five days of receiving the merchandise.

**Please note:** If there is extensive damage to an item upon delivery, call AMBUCS Resource Center at 1-888-268-7953 ext. 114, 8:30a.m.-5p.m. EST Monday – Friday.

The address for UPS, FEDEX is:

**AMBUCS Resource Center**

**4285 Regency Drive**

**Greensboro NC 27410**

**Refunds**

After inspecting the returned merchandise, we will reimburse the purchase price of the item, less original shipping costs. You can expect a refund in the same form of payment originally used for purchase within 30 business days of our receiving the items. A restocking fee of $50.00 is charged for returned goods. You will be refunded the shipping cost if the return is a result of our error. For any questions, call us at 1-888-AMTRYKE or send email to amtryke@ambucs.org.
AmTrykeSizing Charts
Refer to the following charts for guidance on appropriate sizes for AmTrykes and helmets. See Rider’s measurements on the next page for guidance on how the length is measured.

http://www.ambucs.org/?s=sizing+chart

Tools
Refer to the photo below to identify different tools:

Tools (top row tools are included with your AmTryke)