

# Sun Bicycles

## HT-3 Hand-Trike Owners Manual



**J&B Importers, Inc.**  
11925 SW 128 ST • Miami, Florida • 33186 • 305-238-1866  
[www.jbimporters.com](http://www.jbimporters.com) • [www.sunbicycles.com](http://www.sunbicycles.com)



Install and adjust fork.



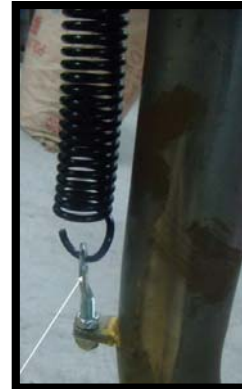
Install spring bracket and eye bolt



Note that spring bracket goes into UPPER hole in fork.



Install spring and use a screwdriver as shown (be careful, screwdriver can be sharp) to insert eyebolt into frame bracket. You will need help to install the nut. Use caution, the spring is very strong.



Note proper orientation of eyebolt.



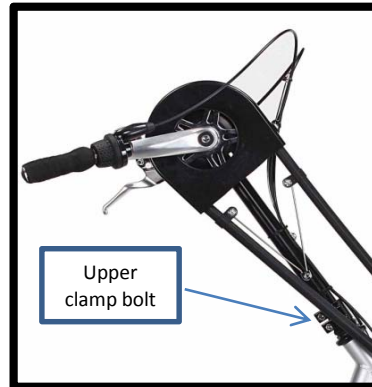
Install crank and stem assembly.



Route chain as shown.



Install and tighten securely the hand pedal assemblies using a standard pedal wrench.



Adjust chain tension by pulling the stem out and tightening the upper clamp bolt.





Install rear wheels, with washer behind the axle nut. **Note:** the axle nuts must **NOT** be too tight. Their should be up to 1mm of side to side movement of the hub on the axle.



Install seat rails onto frame with the included hardware, and tighten securely.



Install foot rest in appropriate position for the rider onto the frame. Use included hardware, and tighten securely.

## PLEASE READ THIS MANUAL BEFORE RIDING YOUR HAND-TRIKE

### **CONGRATULATIONS!**

Congratulations on your Sun Bicycles purchase. You have selected one of the most comfortable and advanced cycles on the market. Please read this manual before riding your Sun Bicycles HT-3. In this manual you will find many topics covered.

We included in the preparation of this manual **WARNINGS** and **INFORMATION** for your safety.

**GENERAL WARNING:** Riding a Hand-Trike can be hazardous. When on a Hand-Trike you could have an accident resulting in injury or even death. This manual makes an effort to give you enough information that could prevent riding into danger. We cannot cover all contingencies but hope to make you an informed and aware rider.

- Municipal bicycle regulations also apply to tricycles. Most states and municipalities have regulations. It's up to you to research those regulations and become informed. Your dealer may be able to help you with this information. Since you will be sharing the road at times with other vehicles a good rule to follow is "If you can't do it with a car or bicycle, don't

- A trike's widest point is behind you, if the front goes by an obstacle there is no guarantee that the rear wheels will also clear. When riding, you must give clearance to the edge of the road or sidewalk. Stay clear of potholes and be aware that you can lose control if any wheels should drop into a hole or ditch.
- Always ride defensively. Watch out for the unexpected. This means everything from cars to children, pets and rough road surfaces. Be prepared to avoid danger. **ALWAYS WEAR A BICYCLE HELMET.** We recommend buying your helmet from a dealer that can fit and instruct you on the correct way to wear a helmet. Protecting your head is your primary safety responsibility.
- Always wear a CPSC approved bicycle helmet.

#### **CHECKLIST BEFORE RIDING:**

- Check your tires for proper air pressure. If you need to inflate them do not inflate over the recommended air pressure on the side wall of your tires. If using a compressor or the air hose at a gas station, be very careful not to blow the tire off the rim. Check the hardness of the tire and stop inflating to check the air pressure. Do not over inflate. Do not ride on flat or underinflated tires. Riding on flat or underinflated tires can cause injury, as well as, damage to the tire, tube and wheels of your Hand-Trike.
- Test your brakes and make sure they stop the trike. If you have any doubts do not ride your trike and see your dealer. All Hand-Trikes are equipped with front "coaster" brake and front "caliper" parking brake as standard equipment. Under no circumstance should the brakes be removed. When stopping your Hand-Trike always use the front coaster brake for a safe smooth stop.
- Check that the handlebar is tight and that the ends are plugged. Now check the saddle for tightness.
- Safety check: Apply your parking brake and rock your Hand-Trike back and forth. If you hear or feel a movement coming from the fork or front wheel or any other part of the trike, **DO NOT RIDE** it, have your dealer or qualified mechanic check the Hand-Trike.

#### **PRECAUTIONS:**

- A trike does not handle like a bicycle; therefore, you cannot lean into a turn. All wheels must be on the ground at all times. Do not make sudden changes of direction, you could unbalance the trike and have an accident.

**WARNING:** Avoid riding over curbs. Watch for and avoid potholes, gratings and other road hazards. Walk your Hand-Trike over railroad tracks, stairs, ditches or other such rough conditions. Do not attempt to ride up or down an incline with an ice or oil film. Failure to do so may result in tire failure, loss of control, or other mechanical failures and may result in a serious or fatal accident.

- We suggest you practice riding in a quiet area to get the feel of the trike.
- When beginning to ride, stay at a slow speed. You must acclimate yourself to the handling and turning of this three wheeler. If you feel insecure, slow down, and proceed at a slower pace. With practice, you will get comfortable riding and stopping.
- Never ride with your ears covered with earphones or anything else that would prevent hearing. Hearing your surroundings is important for your safety.
- We recommend that you not ride at night, or at times of reduced visibility. If you should ride at night or during reduced visibility, you must outfit your trike with a front white light and a rear red light. Relying solely on reflectors is not adequate protection. Most municipalities require lights for night riding. Your bicycle dealer can help you in selecting the correct lighting system for your needs.
- Avoid riding on rainy days since you don't have the same control, handling, and stopping power as on a dry day.
- Always ride with the flow of traffic, never against traffic

**WARNING: DO NOT EVER Carry A CHILD, PERSON OR PET on your Hand-Trike!** They could be seriously injured by the turning wheel and/or the moving parts. The trike is made for one person and is not built to hold a passenger. **DO NOT EVER** stand on the seat or frame of the Hand-Trike. **DO NOT EVER** carry any items that may obstruct your view or prohibit you from operating your Hand-Trike properly.

- Weight capacity is 300 lbs.

### **GETTING STARTED:**

- Please note that proper fitting to the individual rider is the responsibility of the dealer.
- Hand-Trike users should NOT be transported in any vehicle while seated in the Hand-Trike.
- Restraints and seat positioning straps are recommended but not included. It is the dealers' obligation to determine if a seat positioning strap is required to ensure the safe operation of this Hand-Trike. Various types of restraints are available from your local medical supply dealers. Serious injury could occur in the event of a fall from your Hand-Trike.

### **Adjustment:**

- The Hand-Trike must be properly adjusted to fit the rider.
  1. The hand-crank must be adjusted so the rider has a clear view in front of him/her.
  2. The riders elbow must be slightly bent when the rider is sitting upright and hand is on the hand-pedal at its farthest extension.
  3. Feet must be secured flat on the foot rests with provided restraints and the knees should have slight bend.
  4. There should not be any interference with the crank, hands or knees while rotating hand-pedals and/or making a turn with your Hand-Trike.
  5. The end-user is responsible for regular upkeep and maintenance of the Hand-Trike to keep it in safe operating condition.
  6. Sun Bicycles is not responsible for failure, damage or injury caused by improper operation or maintenance of the Hand-Trike by the end-user.

### **Operating Information:**

1. Always wear your helmet while riding your Hand-Trike.
2. Always check your brakes before riding your Hand-Trike.
3. Always check to make sure your tires are properly inflated before riding your Hand-Trike.
4. Always check that all hardware is properly tightened before riding your Hand-Trike.
5. Always keep hands, fingers and loose clothing away from the chain while pedaling.
6. Always keep children away from any moving parts of your hand trike.
7. Never carry any children, adults or pets as passengers on your Hand-Trike.

### **Transfer:**

- The rider needs to determine their own safety limits. Practice transferring to and from the Hand-Trike with a qualified health care professional before attempting use of the Hand-Trike on your own. Before attempting to transfer in or out of your Hand-Trike, make sure to reduce the gap distance as much as possible. Position the Hand-Trike on level ground, as close as possible to what you are transferring into or out of. The object you are transferring into or out of MUST also be secured before attempting any transfer.

### **Finish Protection and Maintenance:**

- Surface finish can be protected by applying and maintaining a coat of high quality, non-abrasive wax or polish (automobile wax is suitable).
- The stainless steel (if equipped) used in your Hand-Trike is resistant to corrosion in most atmospheric conditions; however, certain extreme environments may cause oxidizing of surfaces. We recommend either maintaining a coat of wax or periodic polishing with a non-abrasive pad (e.g. typical dish cleaning pad). We recommend storing your Hand-Trike away from direct sunlight.

**WARNING:** Never wax, polish, or lubricate the sidewall of the rims or brake shoes. Never attempt to adjust or clean the internal gear hub with reversing brake. This should only be performed by a bicycle professional

**Limited Warranty:**

J&B Importers, Inc. ("Sun Bicycles"), a Florida Corporation located at 11925 SW 128th St., Miami, FL 33186, makes the following Limited Warranty concerning Sun Bicycles:

**LIMITED 90-DAY WARRANTY ON COMPLETE BICYCLE**

Subject to the following limitations, terms and conditions, Sun Bicycles warrants to the original owner of each new Sun Bicycles bicycle that this bicycle when new is free of defective materials and workmanship. This warranty shall expire 90 days from the date of the original purchase from a Sun Bicycles dealer and is conditioned upon the bicycle being operated under normal conditions and use, and properly maintained. This warranty is void if the bicycle was not purchased new from or not properly assembled by a Sun Bicycles dealer.

**LIMITED LIFETIME WARRANTY ON STEEL BICYCLE FRAMES AND LIMITED FIVE (5) YEAR WARRANTY ON ALL OTHER BICYCLE FRAMES**

Also subject to the following limitations, terms and conditions, Sun Bicycles warrants to the original owner for the lifetime of the original owner of each new steel framed Sun Bicycles that the bicycle frame when new is free of defective materials and workmanship. Sun Bicycles' limited warranty for all other bicycle frames, including aluminum based bicycle frames, shall expire five (5) years from the date of purchase from a Sun Bicycles dealer. The lifetime limited warranty and the five (5) year limited warranty are conditioned upon the bicycle being operated under normal conditions and use, and properly maintained. This limited warranty does not apply to paint/finish or components attached to the bicycle/frameset such as front forks, wheels, drive train, brakes, seat post, handlebar and stem or any suspension related parts or components. Paint/finish, components attached to the bicycle such as front forks, wheels, drive train, brakes, seat post, handlebar and stem or any suspension related parts or components are covered under the limited 90 day warranty. This warranty is void if the bicycle was not purchased new from or not properly assembled by a Sun Bicycles dealer.

**ADDITIONAL CONDITIONS**

This Limited Warranty is made only to the original owner of this new Sun Bicycles bicycle purchased from a Sun Bicycles dealer, and it shall remain in force only as long as the original owner retains ownership of the Sun Bicycles bicycle. This Limited Warranty is not transferable. In order to exercise your rights under this limited warranty, the bicycle must be presented to a Sun Bicycles dealer, together with a receipt, bill of sale or other appropriate written proof of purchase which identifies the bicycle by serial number. Should this bicycle, or any part be determined by Sun Bicycles to be covered by this warranty, it will be repaired or replaced, at Sun Bicycles sole option, which will be conclusive and binding. The original owner shall pay all labor charges connected with the repair or replacement of all parts. Under no circumstances does this limited warranty include the cost of travel or shipment to and from a Sun Bicycles dealer. Such costs, if any, shall be borne by the original owner. This limited warranty does not apply to normal wear and tear, nor to claimed defects, malfunctions or failures that result from abuse, neglect, improper assembly, improper maintenance, alteration, collision, crash or misuse. This bicycle has not been designed, engineered, distributed, manufactured, or retailed for uses in trick riding, ramp riding, jumping, aggressive riding, riding on severe terrain, riding in severe climates, riding with heavy loads, commercial activities, or any similar activities; such uses may damage the bicycle, and can cause serious injury to the rider, and in all cases will void this warranty.

**USEFUL PRODUCT LIFE CYCLE**

Every Sun Bicycles bicycle and frameset has a useful product life cycle. The length of that useful product life cycle will vary with the construction and materials of the bicycle or frameset, the maintenance and care the bicycle or frameset receives over its useful product life cycle, and the type and amount of use the bicycle or frameset is subject to. Uses in competitive events, trick riding, ramp riding, jumping, aggressive riding, riding on severe terrain, riding in severe climates, riding with heavy loads, commercial activities and other types of non-standard use can dramatically shorten the useful product life cycle of a Sun Bicycles bicycle. Any one or a combination of these conditions may result in an unpredictable failure of a Sun Bicycles bicycle that would not be covered by this warranty. All Sun Bicycle bicycles should be periodically checked by a Sun Bicycles dealer, for indicators of stress and/or potential failure, including cracks, deformation, corrosion, paint peeling, dents, and any other indicators of potential problems, inappropriate use, or abuse. These are important safety checks and very important to help prevent accidents, bodily injury to the rider and shortened useful product life cycle of a Sun Bicycles bicycle.

THIS IS AN INTEGRATED AND FINAL STATEMENT OF SUN BICYCLES LIMITED WARRANTY. SUN BICYCLES DOES NOT AUTHORIZE OR ALLOW ANYONE, INCLUDING ITS DEALERS, TO EXTEND ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, FOR SUN BICYCLES. NO OTHER REPRESENTATION, AND NO STATEMENT OF ANYONE BUT SUN BICYCLES, INCLUDING A DEMONSTRATION OF ANY KIND BY

ANYONE SHALL CREATE ANY WARRANTY REGARDING THIS BICYCLE. ALL OF THE REMEDIES AVAILABLE TO THE ORIGINAL OWNER ARE STATED HEREIN. IT IS AGREED THAT SUN BICYCLES' LIABILITY UNDER THIS LIMITED WARRANTY SHALL BE NO GREATER THAN THE AMOUNT OF THE ORIGINAL PURCHASE PRICE AND IN NO EVENT SHALL SUN BICYCLES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

**DISCLAIMER**

All other remedies, obligations, liabilities, rights, warranties, express or implied, arising from law or otherwise, including but not limited to, any claimed implied warranty of merchantability, any claimed implied warranty arising from course of performance, course of dealing or usage of trade, and any claimed implied warranty of fitness, are disclaimed by Sun Bicycles and waived by the original owner. Some states, jurisdictions, countries, provinces, do not allow some or all of the limitations set for herein, or the exclusion or limitation of incidental or consequential damages. If any provision is found unenforceable, only that provision shall be stricken and all others shall apply. This limited warranty does provide the original owner with certain legal rights and recourse and the original owner may possess other rights or recourse, depending on the state, jurisdiction, country or province.