



**Sun Bicycles
Unicycle Supplemental
Owner's Manual**

CONGRATULATIONS

Congratulations on the purchase of your new Sun Bicycles unicycle. This supplement provides complete instructions for the assembly and operation of your new unicycle. Before riding your new unicycle please read the owner's manual completely. This supplement is not intended as a comprehensive repair or maintenance book. All repair and maintenance should be performed by a Sun Bicycles Dealer or other qualified service technician. Please refer to www.sun.bike to locate a dealer in your area.

This manual covers assembly guidelines for Sun Unicycles which include the Classic, Flat Top, Flat Top OR, Extreme and XL models.

[FIND A DEALER](#)

sun.bike/retailers

[START A CONVERSATION](#)

sun.bike/contact-us

[FIND US ONLINE](#)

sun.bike

CONTENTS

Introduction and Index.....	Page 2-3
What's in the box.....	Page 4
Identifying the parts of your unicycle.....	Page 5
Five steps of unicycle assembly.....	Page 6
Installing the saddle and seat post.....	Page 7
Installing the wheel assembly.....	Page 8
Installing the pedals.....	Page 9
Inflating the tire.....	Page 10
Adjusting the saddle height.....	Page 11
General Maintenance.....	Page 12-13
Warnings.....	Page 14
Warranty.....	Page 15-18
Notes.....	Page 19

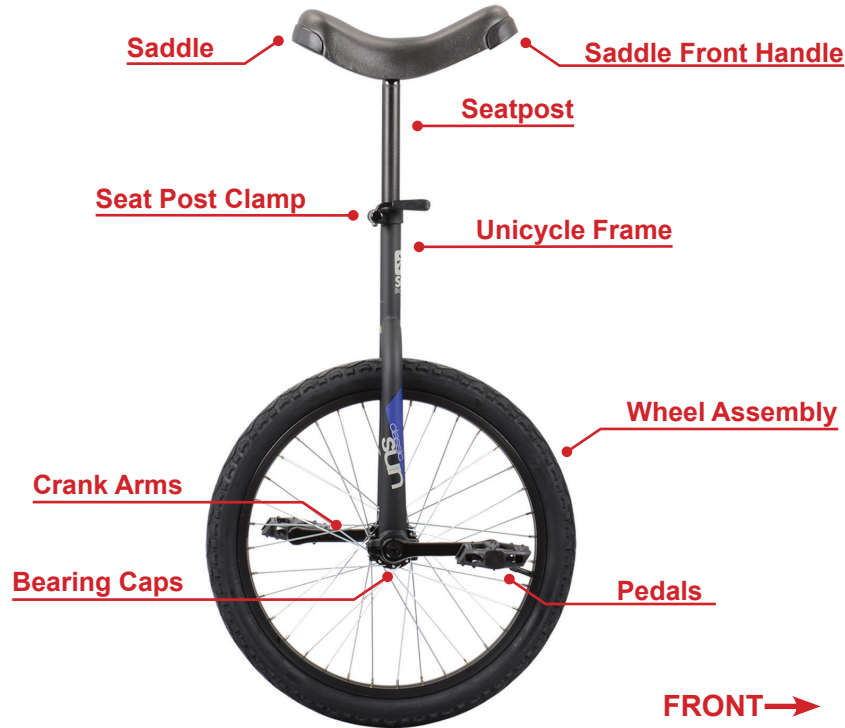
WHAT'S IN THE BOX

CHECKLIST:

1. Unicycle Frame with Seat Post Clamp
2. Saddle and Seat Post
3. Wheel Assembly
4. Pedal Set
5. Bearing Caps with Hardware



PARTS OF YOUR UNICYCLE



FIVE STEPS OF UNICYCLE ASSEMBLY

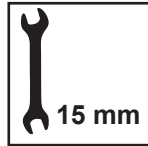
Once you've removed everything from the box, take a quick inventory. Some components come preassembled for your convenience. Everything shown in the previous image should be included; If there's anything missing contact your dealer immediately.

Your unicycle can now be easily assembled in about 15 minutes by following these next steps. The following tools may be required for this process:

5mm hex key
6mm hex key



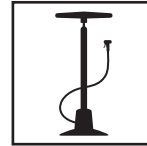
15mm Wrench
(or adjustable)



10mm Wrench
(or adjustable)



Tire pump
Air gauge



Grease



HOW TO INSTALL THE SADDLE AND SEAT POST



The seat post clamp is pre-installed on the unicycle frame. Install seat post into unicycle frame with at least 80mm of insertion. The MINIMUM INSERTION mark on seat post must be completely covered by the unicycle frame. The seat post clamp should be to the rear, the grab handle on the saddle should be to the front. Tighten quick-release style clamps with medium to firm hand pressure, tighten bolt-on clamps to 5-6Nm.

TOOLS NEEDED:

5mm Allen key
6mm Allen key

Actual tools needed will vary depending on model

HOW TO INSTALL THE WHEEL ASSEMBLY



Position the wheel assembly with the right crank arm facing you. Position the unicycle with the SUN logo facing your right. Seat the wheel bearings into the frame bearing cups, then install the bearing caps onto the bottom of the unicycle frame. Tighten both left and right bearing caps evenly, also keeping caps level with the frame as you tighten. If the wheel bearings bind, loosen the bearing caps slightly until binding is gone and the wheel spins freely.

TOOLS NEEDED:

5mm Allen key
6mm Allen key
10mm wrench

Actual tools needed will vary
depending on model

HOW TO INSTALL THE PEDALS



Identify the left and right pedals by the stamping in each end, L / R. The left pedal and crank has a left-hand thread, the right pedal and crank has a right-hand thread. Lubricate pedal threads with grease and start threading pedals by hand. They should begin without effort when installed on the correct side. Tighten securely with 15mm pedal wrench or similar. Installing pedals on the wrong side will destroy these threads, causing irreparable damage.

TOOLS NEEDED:

15mm pedal wrench
heavy grease

HOW TO INFLATE THE TIRE



Using the air valve on the wheel and a manual air pump, inflate your tire according to your type of riding. Each tire will have maximum and minimum air pressures listed on the sidewall. Do not ride above or below the tire's rated pressures. Use higher pressures for smooth streets or longer rides and lower pressures for offroad and lower-traction surfaces.

TOOLS NEEDED:

Manual air pump
Pressure gauge

HOW TO ADJUST THE SADDLE



For longer distance rides raise the saddle to get a full leg extension when pedaling. For training or off-road riding you may want to lower the saddle slightly for more maneuverability. Tighten quick-release style clamps with medium to firm hand pressure. Turn the tension adjusting nut clockwise while keeping the cam lever from rotating to increase clamping force or counterclockwise to decrease the clamping force; tighten bolt-on clamps to 5-6Nm.

TOOLS NEEDED:

5mm Allen key
6mm Allen key

Actual tools needed will vary depending on model

MAINTENANCE

SADDLE

- Take a moment before each ride to check for any unusual movement. Tighten anything that feels loose and check for any damage.
- Check the saddle for movement before each ride by securing the wheel between your legs and trying to twist the saddle and seat post in the frame. If there's any movement you should tighten the quick release or seat post clamp bolts before riding.

CRANKS

- Creaking while riding can be a sign that the crank arms are loose on the hub spindle. If you hear creaks or feel any unusual movement from the crank arms, stop riding your unicycle immediately! Loose crank bolts will destroy the crank arms and the hub spindle. They must be tight! Damage from loose crank bolts is not covered under the Sun Bicycles warranty.

PEDALS

- Loose pedals can also cause creaks and an unsteady feeling when pedaling. Stop riding immediately! Loose pedals will destroy the crank arms. They must be tight! Damage from loose pedals is not covered under the Sun Bicycles warranty.
- If your pedals have come loose it's most likely because the wheel has been installed backward in the unicycle frame. Check that the left pedal is to your left and that the right pedal is to your right when riding. If not, the wheel is installed backward. Go back over the "How to Install the Wheel Assembly" and "How to Install the Pedals" pages found earlier in this manual.

MAINTENANCE

BEARINGS

- Does your unicycle wheel not spin freely? It's a common problem on unicycles. Check the wheel bearing caps for tightness. If the wheel bearing cap is too tight you'll need to loosen the bearing caps evenly until the wheel spins freely. Recheck this adjustment after a short ride to be sure the caps aren't too loose. Riding with overtightened caps will destroy the bearings!
- Worn or damaged bearings can be replaced using specialty bearing pullers. Contact your local Sun Bicycles dealer if you need this service performed.
- Bearing damage from overtightening is not covered under the Sun Bicycles warranty.

WHEEL

- Pings or creaks can be caused by loose or damaged spokes. Always visually inspect your unicycle before each ride. Spin the wheel, looking for any wheel wobble or unusual movements from the wheel and tire. It's good to have your local Sun Bicycles dealer true and re-tension the wheel when you see any type of rim wobble.
- Extreme use can lead to rim damage. Be aware of obstacles and the stresses they put on both you and your unicycle. If the terrain is hard on you, it's harder on your unicycle!

TIRE

- Regular tire rotation can provide longer tire life. Unicycle pedaling creates two distinct wear spots on the tire. Deflate and move the tire about 45 degrees forward on the rim for a fresh patch of rubber opposite the pedals. Please contact your local Sun Bicycles dealer if you still have any unanswered questions regarding maintenance of your Sun Bicycles unicycle.

WARNINGS

SEATPOST

- Never ride with the seatpost extended above the minimum insertion line.
- Never ride with the seatpost clamp loose. Learn the proper operation of quick release levers.
- If saddle and seatpost feel loose you should check the bolt torque on the seat post clamp or check the quick release to ensure it is in the closed / locked position and sufficiently tight. When closing a quick release it should require firm pressure using the palm of your hand. If it's loose, open the quick release and tighten the thumb screw on the other side of the lever a bit. Try tightening again until it requires firm pressure to close.

WHEEL

- If wheel doesn't spin freely, loosen the lower bearing caps slightly.
- Bearings damaged by overtightening the bearing caps will not be covered under warranty.
- Recheck bearing caps after your first few rides.
- Check the wheel often for loose spokes, re-tension or replace spokes as necessary. A unicycle wheel takes more load than the two wheels of a normal bicycle.

TIRE

- Never over or underinflate your unicycle tire, follow maximum and minimum ratings printed on each tire's sidewall.
- Check tire often for holes, cuts, bubbles, unusual tread wear or other signs of damage. Repair or replace the tire as necessary.

WARRANTY

LIMITED WARRANTY

All Sun Bicycles (Sun) bicycles sold through, and assembled by an authorized Sun dealer are subject to the following terms, conditions and limitations. J&B Importers, Inc. grants each original buyer of a Sun bicycle a non transferable warranty subject to the following limitations, terms and conditions that states when new this bicycle is free of defective materials and workmanship.

Lifetime Summary Coverage (Subject to limitations, terms and additional conditions as explained below)

- All Sun alloy and steel frames are warranted for the lifetime of the original retail buyer
- If at the time of warranty, Sun does not have available an equivalent frame, the consumer may be offered a complete bike at a discounted price.

One (1) Year Summary Coverage (Subject to limitations, terms and additional conditions as explained below)

- All Sun forks, parts and components including e-bike motor & electronic parts (except wear items such as tires and inner tubes) are warranted for 1 year from the date of purchase of the original retail buyer.
- E-bike lithium polymer battery is warranted for 1 year from the date of purchase of the original retail buyer with the following exceptions. The battery warranty does not include damage from power surges, use of unapproved chargers (only original equipment charger is approved), improper maintenance, or normal wear.

Commercial Use Summary Coverage (Subject to limitations, terms and additional conditions as explained below)

- All Sun alloy and steel frames, if used for commercial purposes are warranted for one (1) year from the date of purchase of the original buyer.
- All original Sun forks, parts and components (except wear items such as tires, tubes and grips) on bicycles, if used for commercial purposes are covered for thirty (30) days from the date of purchase of the original buyer.

WARRANTY

LIMITED WARRANTY DOES NOT COVER

- Improper assembly
- Improper maintenance
- Normal wear and tear
- Installation of components, parts, or accessories not originally intended for or compatible with the bicycle as sold
- Damage or failure due to accident, misuse, abuse, or neglect
- Labor charges for part replacement or changeover
- Paint/finish

ADDITIONAL CONDITIONS

This Limited Warranty is made only to the original owner of this new Sun bicycle or frameset purchased from a Sun dealer, and it shall remain in force only as long as the original owner retains ownership of the Sun bicycle or frameset. This Limited Warranty is not transferable. In order to exercise your rights under this limited warranty, the bicycle or frameset must be presented to a Sun dealer, together with a receipt, bill of sale or other appropriate written proof of purchase which identifies the bicycle or frameset by serial number. Should this bicycle or any part be determined by Sun to be covered by this warranty, it will be repaired or replaced, at the sole option of Sun, which will be conclusive and binding. The original owner shall pay all labor charges connected with the repair or replacement of all parts. Claims made outside the USA may be subject to fees and additional restrictions. This limited warranty does not apply to normal wear and tear or 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 to be equipped with a motor of any kind, 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.

WARRANTY

USEFUL PRODUCT LIFE CYCLE

Every Sun bicycle or 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 bicycle or frameset. Any one or a combination of these conditions may result in an unpredictable failure of a Sun bicycle or frameset that would not be covered by this warranty. All Sun bicycles or framesets should be periodically checked by a Sun 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 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.

WARRANTY

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.

Rev. Date 11/20/14

NOTES



Distributed by J&B Importers, Inc.
11925 SW 128th Street, Miami, FL
33186

Email: info@sun.bike | Online: sun.bike