

Simbi Owner's Manual



Warning: Please read this entire manual before riding your Simbi.
Failure to do so could result in serious injury or even death.

Contents

1.	OVERVIEW	3
A.	Thank You	3
B.	General Warning	3
C.	Important Symbols and Terms	4
D.	Related Manuals	4
2.	UNPACKING	5
A.	Box Contents	5
B.	Initial Inspection	5
C.	Registration	8
3.	ASSEMBLY	9
A.	Quick Assembly Overview	9
B.	Step 1 - Attach Front Wheel.....	10
C.	Step 2 - Attach Handlebar	12
D.	Step 3 - Attach Pedals.....	14
E.	Step 4 - Inflate Tires.....	16
F.	Step 5 - Attach Seat	17
G.	Step 6 - Attach Additional Reflectors.....	20
4.	OPERATION.....	21
A.	Before Riding – Important Safety Information	21
5.	MAINTENANCE	23
A.	Inspecting	23
B.	Brake Adjustments	23
C.	Gears.....	25
D.	Pedals.....	25
E.	Wheels.....	26
F.	Lubrication	26

G.	Cleaning	27
H.	Storage	27
I.	Baby your Simbi	28

6.	SIMBI LIMITED WARRANTY	29
A.	Warranty Information	29
7.	TORQUE MEASUREMENT TABLES	30
A.	Technical Torque Measurements	30
8.	SUPPORT	32
A.	Simbi Contact Information	32
9.	INDEX	33
10.	TABLE OF FIGURES	34
11.	INDEX OF TABLES	35

1. OVERVIEW

A. Thank You

Thank you for purchasing a Simbi Bicycle by Fezzari®. Simbi bicycles are handmade of the finest components. Simbi was founded on the premise that discerning customers will embrace products of superior performance, quality, and value. We hope you appreciate your Simbi experience. We want this to be the most rewarding purchase you have ever made. If you have any feedback, comments, or questions, we look forward to hearing from you.

B. General Warning

In order to use and enjoy your Simbi bicycle safely and to get the best durability and performance, please read this manual carefully before riding.

The information contained in this manual is to be used as a guideline for safe operation and is not intended to replace any safety rules or laws that may be in force in your area.

Even if you have ridden a bicycle for years, it is important for every person to read this manual before you ride your new bicycle.

New information will be made available on the Simbi website (www.SimbiBicycles.com) as it is available.

Assembly and adjustments of your Simbi take special tools and skills, so please read carefully.

C. Important Symbols and Terms

Bicycling can be a hazardous activity even under the best of circumstances. Properly maintaining your Simbi is your responsibility and will help reduce the risk of injury. This manual contains many symbols, terms, and formatting to call attention to warnings and cautions.



The **Warning** sign indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.



The **Caution** sign indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury.

►**Note:**

The **Note** sign indicates text that provides helpful or other important information.

BOLD

Bold lettering indicates important text and points to note.

Please read and follow all Warnings and Cautions in this manual.

D. Related Manuals

Some of the Simbi components may have separate manuals that provide additional information. These manuals were included with your Simbi or may be online at www.SimbiBicycles.com. Please read and follow the information in these manuals.

2. UNPACKING

A. Box Contents

Following is a list of all packaging contents shipped with your Simbi:

- Simbi Bicycle Frame (with rear wheel attached)
- Saddle and Seatpost
- Handlebars
- Front Wheel
- Box containing:
 - Pedals (left and right)
 - Front Wheel Axle
 - Tools needed to assemble your Simbi
 - 4mm, 5mm, and 6mm Allen Wrenches (for installing and adjusting handlebars, brakes, and seatpost)
 - 15mm Wrench (for attaching pedals)
 - Component manuals
 - Extra parts

B. Initial Inspection

All major parts are identified in

Figure 1. Please familiarize yourself with these parts prior to assembling or riding your Simbi. Please check your Simbi along with the parts and components thoroughly for any damage that may have been sustained during shipping. Be careful to avoid scratching the frame when untying or unpacking the bicycle and components.

If you find that something is missing or damaged, please contact the Simbi Customer Support Team at (888) 833-9927.



Figure 1 - Names and Locations of Parts

For your information, Figure 2 references commonly-used terms for the frame parts of your Simbi.

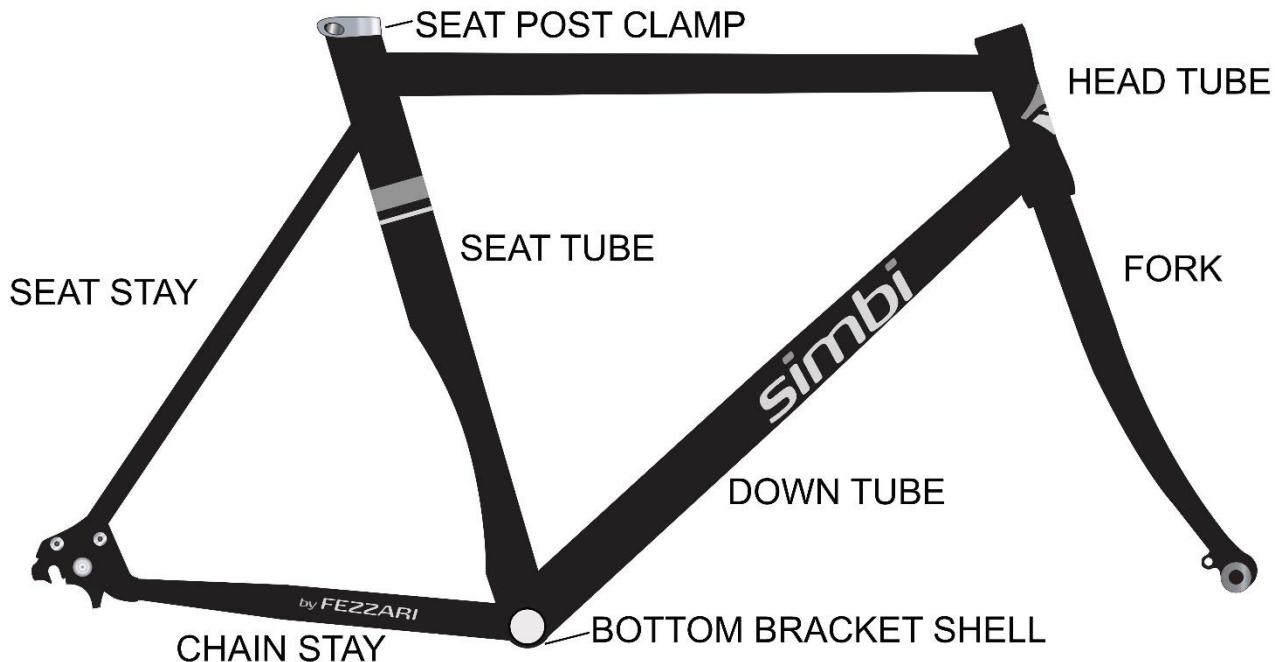


Figure 2 - Names of Frame Parts

C. Registration

The serial number of your bicycle frame is attached to the underside of the down tube or underneath the bottom bracket shell (see Figure 2 and **Error! Reference source not found.**). This information is required for you to register your bike. We must have this registration before we can process a warranty claim. Please fill out the warranty registration form online at www.SimbiBicycles.com. Your Simbi must be registered before a warranty claim can be processed.

3. ASSEMBLY

A. Quick Assembly Overview

►Note: **All references to “left” and “right” in this manual are relative to riding position on the bicycle.**

Your Simbi comes with tools needed for assembly.
Assembly is generally a 5 or 6 step process (note: you don't necessarily need to do these in this order):

- ▶ Step 1 - Attach Front Wheel
- ▶ Step 2 - Attach Handlebar
- ▶ Step 3 - Attach Pedals
- ▶ Step 4 - Inflate Tires
- ▶ Step 5 - Attach Seat

- ▶ Step 6 - Attach Additional Reflectors

If you have any problems or questions with
assembly

Call (888) 833-9927
or visit www.SimbiBicycles.com.

B. Step 1 - Attach Front Wheel

- (1) **Loosen axle bolts** (See Figure 3). Loosen the axle bolts so that the fork wheel will install onto the fork.

Step 1: Attach Front Wheel
Part 1 of 3

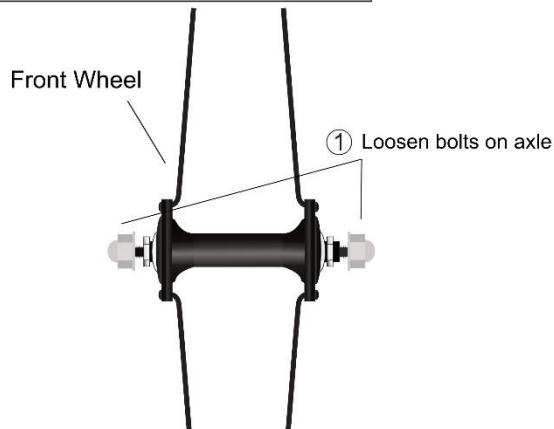


Figure 3 – Loosen Axle Bolts

- (2) **Slide wheel into front fork** (See Figure 4). With the steering fork facing forward (angling

away from bike), insert the wheel between the fork blades so that it firmly touches the inside of the fork ends. Make sure that the washers are next to the nut. There is a matching hole on the fork for the washer to hook into.

The wheel should be put in so that the tread direction is forward (usually on the sidewall there's an arrow pointing which way the tire rolls).

Step 1: Attach Front Wheel
Part 2 of 3

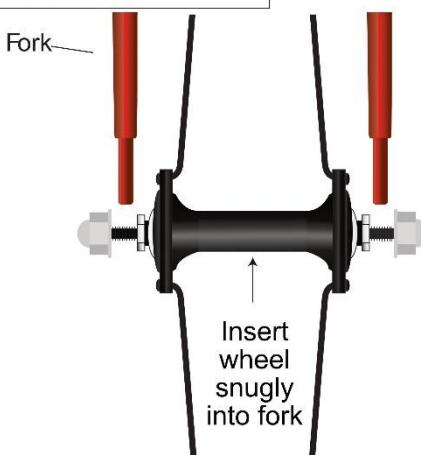


Figure 4 – Slide Wheel into Fork

- (3) **Fasten wheel securely in fork** (See Figure 5). Tighten the bolts snugly with a wrench.

WARNING Failure to properly adjust the quick release mechanism can cause the wheel to wobble or disengage. This could cause you to lose control and fall, resulting in serious injury or death.

Step 1: Attach Front Wheel
Part 3 of 3

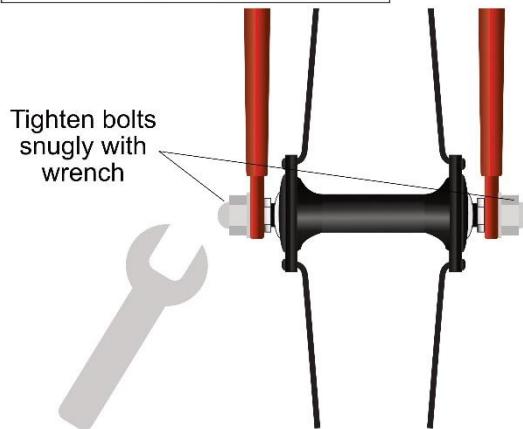


Figure 5 – Fasten Wheel Securely in Fork

- (4) **Test for proper installation.** Spin the wheel to make sure that it is centered in the frame. Pick up the bike, and sharply hit the top of the tire with the heel of your hand. The wheel must not come off, be loose, or move from side to side.

C. Step 2 - Attach Handlebar

Attach the handlebar and stem to the frame as shown below.

- (1) **Insert the Stem into the frame past the minimum insertion line and then tighten the bolt snugly with an Allen wrench (See Figure 6).**

Step 1: Attach Handlebars - Part 1

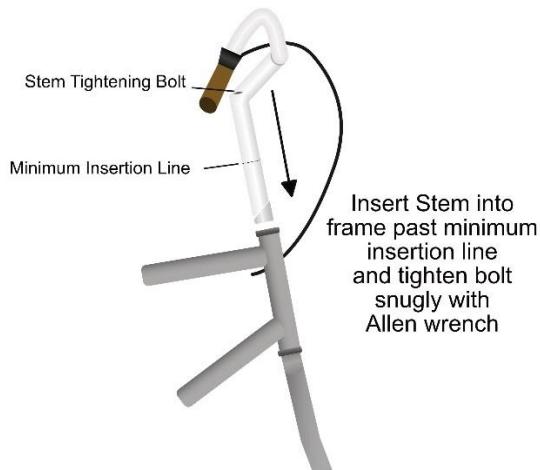


Figure 6 – Attach Handlebars to Frame

WARNING The stem's Minimum Insertion Mark must not be visible above the top of the headset. If the stem is extended beyond the Minimum Insertion Mark the stem may break or damage the frame, and could cause you to lose control and fall.

- (2) **Loosen the Handlebar Bolt and rotate the handlebars upward. Then tighten the Handlebar Bolt again. (See Figure 7).**

Step 1: Attach Handlebars - Part 2

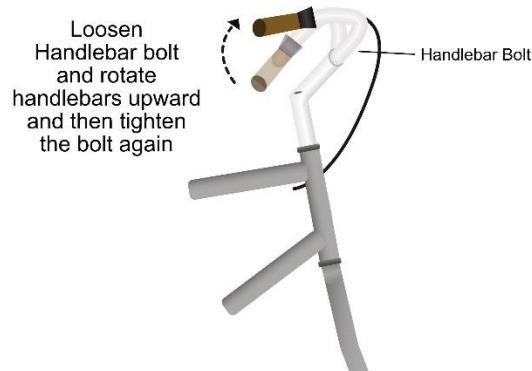


Figure 7 – Handlebar Adjustment

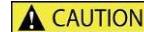
(3) Test for proper installation.

- i. Make sure stem is centered over the front wheel and bolts are tight.
- ii. Make sure Handlebar is aligned properly and Handlebar Bolts are tightened.
- iii. Ensure that the front fork and stem will turn easily and smoothly from side to side without your handlebar slipping.

►Note: If you do not fully understand any of the above steps or if you think the handlebar is not tightened properly, please contact the Simbi Customer Support Team (see page 32).

WARNING An insufficiently tightened stem bolt or handlebar binder bolt, may compromise steering action, which could cause you to lose control and fall. Place the front wheel of the bicycle between your legs and attempt to twist the handlebar/stem assembly. If you can twist the stem in relation to the front wheel, turn the handlebars in relation to the stem, or turn the bar end extensions in relation to the handlebar, the bolts are insufficiently tightened.

CAUTION Loose or damaged handlebar grips or extensions can cause you to lose control and fall.



CAUTION Make sure all wires and cables are free from obstruction and not wrapped around the stem or front fork.

D. Step 3 - Attach Pedals

The pedals have different threads based on which crank arm they should be connected to. The pedals are marked with "L" for left and "R" for right. Left and right are determined from the riding position on the bicycle.

CAUTION **Left and Right Pedals are threaded in opposite directions. Do not try to force the wrong pedal onto the crank arm as it will strip the threading.**

►Note: **Each pedal is marked with "L" for Left or "R" for Right.**

►Note: **Left and right are relative to riding position on your bike.**

►Note: **An easy way to remember how to tighten your pedals is to tighten both pedals towards the front of your bike.**

- (1) Align the pedal axle with the threaded hole in its respective crank arm. Secure the pedal in the crank by hand. The right pedal is installed by turning the pedal axle clockwise and the left pedal is installed by turning the pedal axle counter-clockwise.

- (2) After the pedals can no longer be turned by hand, use the pedal wrench included in your tool kit and tighten the pedals securely. The shoulder of each pedal should fit snugly against the crank arm.

Step 3: Attach Pedals

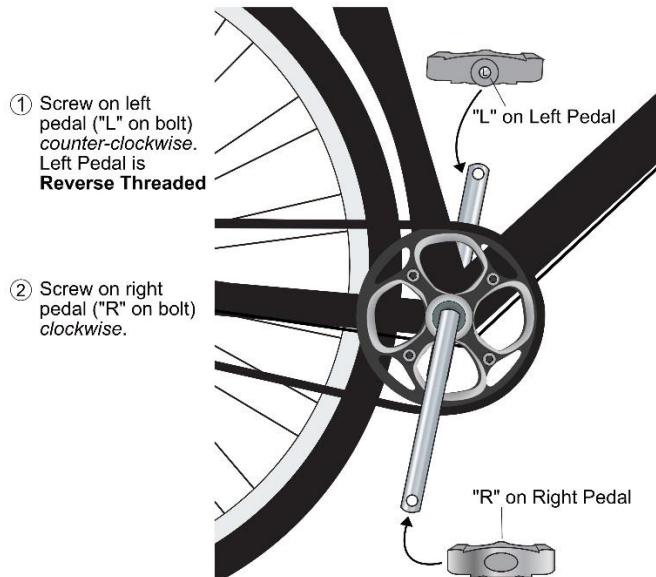


Figure 8 – Pedal Installation

CAUTION Sometimes noises coming from your pedals are because you have not sufficiently tightened the pedal onto the crank. Riding with a pedal not sufficiently tightened can damage your crank and pedals and could cause serious injury.

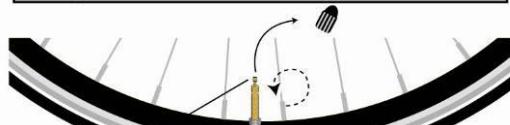
E. Step 4 - Inflate Tires

Check the inflation of the tires. Make sure that the tires are inflated according to the pressure indicated on the tire sidewall. Tire pressure should not exceed what is indicated on the sidewall.

 **CAUTION** **Inflate tires only to the pressure indicated on the tire sidewalls. Do not over-inflate.**

(1) Presta Valve Tire Inflation (See Figure 9).

Step 4: Inflate Tires (Presta Valve)



To inflate, twist tip counter-clockwise and then inflate with Presta Valve Pump.

Figure 9 – Presta Valve Tire Inflation

(2) Schrader Valve Tire Inflation (See Figure 10).

Step 4: Inflate Tires (Schrader)



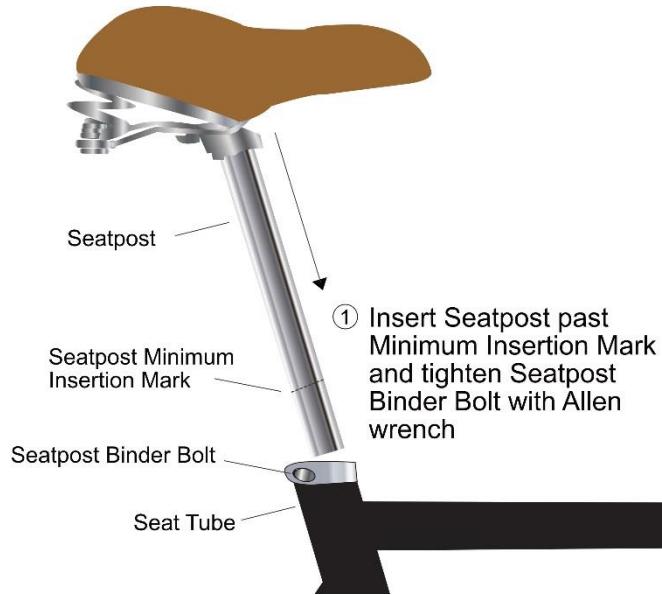
Figure 10 – Schrader Valve Tire Inflation

►Note: For best results, use a pump with a built-in pressure gauge. Check www.SimbiBicycles.com for high quality pumps and other accessories.

Step 6 - Attach Additional Reflectors**F. Step 5 - Attach Seat****i. Seatpost Installation**

Install the seat post into the seat tube. To adjust the seat height:

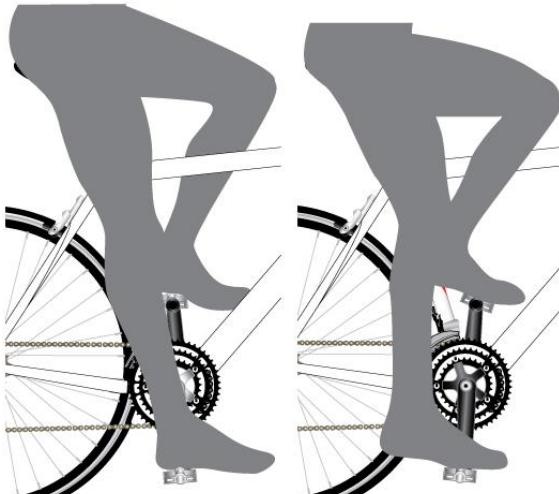
- (1) **Insert Seatpost into Seat Tube** (see Figure 11). Make sure you insert the seatpost past the Seatpost Minimum Insertion Mark and Tighten securely.

Step 5: Attach Seat**Figure 11 – Seatpost Installation**

WARNING Riding with an improperly tightened seat post can allow the saddle to turn or move and cause you to lose control and fall.

Step 6 - Attach Additional Reflectors

- (2) **Adjust Seatpost Height (Recommended)**
 (See Figure 12). Exact saddle height is largely a matter of personal preference. Below is a recommended way to adjust seatpost height.



(1) To adjust saddle height properly, place heel on pedal and extend leg completely.

(2) When riding, you should have a slight bend in your knee when it is extended.

Figure 12 – Recommended Saddle Height Adjustment

- i. Sit on the saddle in riding position without shoes while someone holds the bicycle upright.
- ii. Position the crank arms so they are parallel to the seat tube.
- iii. Loosen the seatpost binder bolt, or quick-release.
- iv. Place your heel on the pedal and extend the seatpost until your leg is straight. For proper riding position, when wearing shoes and with the ball of your foot on the pedal, you should have a slight bend in your knee.
- v. Make sure the minimum insertion mark (See Figure 11) on the seatpost is not visible above the bike frame. A minimum of 2 1/2 inches (64 mm) of seatpost must remain in the frame.
- vi. Re-tighten the seatpost quick-release, or bolt. For a seatpost binder with a quick-release lever, the mechanism works the same as a wheel quick-release. Adjust the lever tension, and make sure it is in the closed position (see Figure 5 on page 11).

Step 6 - Attach Additional Reflectors

ii. Saddle Adjustment

Seat angle (tilt) and fore-aft positioning is largely a matter of preference.

- (1) **Adjust Forward/Backward and Up/Down Position** (See Figure 13). Loosen the Seat Fixing Bolt and adjust angle and fore-aft position. Most people prefer a horizontal saddle. Make sure to tighten completely. When properly tightened, the seat post cannot be rotated in the frame.



WARNING Extended riding with a poorly adjusted saddle, or one that does not properly support your pelvic area, can cause short-term or long-term injury to your nerves and blood vessels. If your saddle causes pain or numbness, re-adjust the saddle position. If after adjustment your saddle still causes pain or numbness, try further positioning or replacing the saddle with one that fits you better.

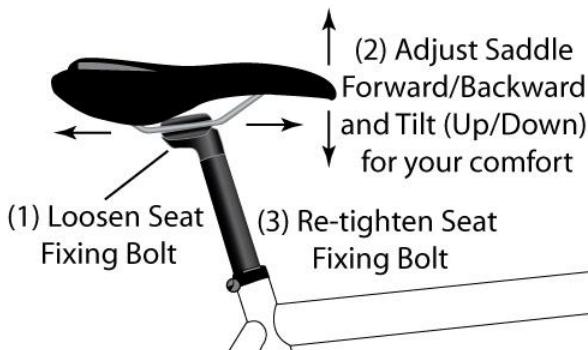


Figure 13 – Saddle Adjustment

Step 6 - Attach Additional Reflectors

G. Step 6 - Attach Additional Reflectors

Additional reflectors are included in the box for attaching to the handlebar and seatpost. Attach these to the middle of the front handlebar and on the seatpost so that they are visible to traffic.

⚠ CAUTION If you ride on public roads, you must equip your Simbi with the appropriate safety devices according to the laws of where you are riding. Consult your local community for bicycle riding laws, including lights, helmets, reflectors, where you can and can't ride, and other rules you must follow.

⚠ CAUTION Riding bicycles at night or at dusk can be extremely dangerous. You should ride on designated, well-lit bike paths. Reflectors alone are generally not adequate for night-riding. You should also get a front and rear light. See www.SimbiBicycles.com for high quality lights and other accessories.

4. OPERATION

A. Before Riding – Important Safety Information

► Note: **The information contained in this manual is to be used as guidelines for safe operation and is not intended to replace any safety rules or laws that may be in force in your area.**

Make sure all of your quick releases are locked and secure. Make sure all parts, components, and accessories are in good working order. Here's a simple safety check that you should do every time before you ride your Simbi:

► Frame

- **Inspect** – thoroughly inspect frame for any signs of damage.

► Wheels

- **Check bolts on wheels** – make sure they are secure and seated properly.
- **Check Tires & Tubes** – make sure they are inflated according to the pressure recommended on the tire sidewall. Check for any wear or tear. Replace damaged tires before riding. Note: tire pressure can

decrease as much as 5 to 10 psi per week. Check tire pressure regularly. Ensure that the valve cap is installed correctly. (See Figure 9 and Figure 10 on page 16.)

- **Check Rims and Spokes** – Inspect for damage.

► Saddle & Seatpost

- **Check Height and Angle** – make sure they are adjusted correctly. (See Figure 12 on page 18, and Figure 13 on page 18, and the accompanying text.)

- **Check Alignment** – make sure the saddle is parallel to the bike's center line and clamped tight enough so that you can't twist it out of alignment.

► Handlebars

- **Check Alignment** – make sure handlebar stem is parallel to the bike's center line and clamped tight enough so that you can't twist it out of alignment. (See Figure 6 on page 12.)

- **Check Handlebar Grips** – Make sure the handlebar grips are secure and in good condition.

► Brakes

- **Check Braking** – check for proper operation. Squeeze the brake levers. Are control cables seated and securely engaged? Do the brake pads contact the wheel rim squarely and make full contact with the rim? Do the brake pads touch the wheel rim within an inch of brake lever movement? Can you apply full braking force at the levers without having them touch the handlebar? If not, your brakes need adjustment. (See page 23, Brake Adjustments).

► Gears

- **Check Shifting** – if gears don't shift smoothly or make clicking noises, they may need to be adjusted. (See page 24,

Gears.) To understand how to shift the gears on your Simbi better, please see the supplemental owners manual for the shifters. For more information, visit www.SimbiBicycles.com.

Replace any worn or damaged parts before riding your bicycle. Riding with damaged parts could cause severed injury or even death.

⚠ WARNING Always ride with a certified CPSC-certified bicycle helmet. Riding without a helmet can cause serious injury or death.

5. MAINTENANCE

Periodically, you may need to adjust some components on your Simbi for safety and best performance.

A. Inspecting

Check the tightness of key components. Put a wrench on every important bolt and tighten it slightly to see if it has loosened:

- ▶ Check the seat and seatpost bolts
- ▶ Check the wheel bolts
- ▶ Check the stem and handlebar bolts
- ▶ Check the brake and shift lever bolts
- ▶ Check spoke tension (look for loose spokes)
- ▶ Tighten pedal screws
- ▶ Tighten bolts that hold accessories (water bottle holders)

B. Brake Adjustments

i. Common Brake Adjustments

Over time it is common for cables to stretch. There are two ways to adjust your brakes.

First way: Loosen the bolt shown in Figure 14 and squeeze the brake pads in towards the rim. Then tighten the bolt. Test the brakes by spinning the wheel and applying the hand brake. The brakes shouldn't be rubbing on the rim and also should firmly stop the wheel.

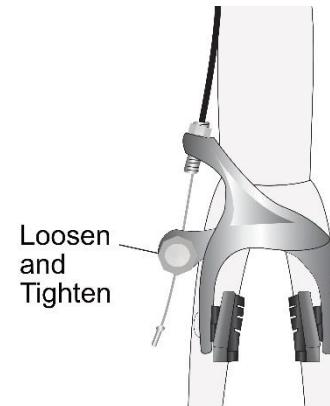


Figure 14 –Brake Adjustments

Second way: on some models, there is a barrel adjuster on the brake lever (see Figure 26). Turn the adjusting barrel counterclockwise by hand and check the setting by squeezing the levers.



WARNING Improperly adjusting your brakes could cause them to malfunction and could result in serious injury.

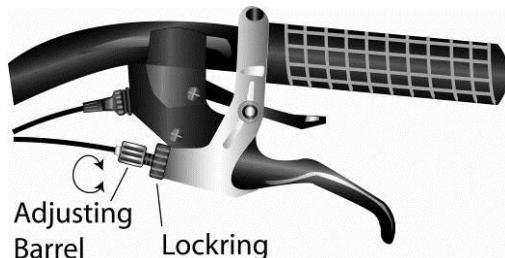


Figure 15 –Brake Adjustments

When your brakes wear out, the barrel adjuster won't work. You'll need to turn the barrel adjusters all the way in (clockwise) and replace the brake pads. If the cable has stretched too far, you need to loosen the clamp bolt and tighten the cable.

For more information on adjusting and maintaining your brakes, please visit www.SimbiBicycles.com.

►Note: Please contact us at
www.SimbiBicycles.com for more information on
adjusting and maintaining your brakes.

C. Gears

For gearing For bicycle models equipped with an internally geared hub (like the Shimano Nexus twist grip system), please refer to the separate owners manual for the particular product, and also refer to www.SimbiBicycles.com.

D. Pedals

Make sure that your pedals are securely fastened to the cranks. Remember that the left pedal is reverse-threaded (counter-clockwise) and the right pedal is threaded clockwise.

If your pedals develop squeaks, apply lubricant in the moving parts and wipe off any excess, and make sure that they are tightened.



Sometimes noises coming from your pedals are because you have not sufficiently tightened the pedal onto the crank. Riding with a pedal not sufficiently tightened can damage your crank and pedals and could cause injury.

►Note: **An easy way to remember how to tighten your pedals is to tighten both pedals towards the front of your bike.**

E. Wheels

i. Tires & Tubes

All bicycle tires are somewhat porous and allow air to seep out over time. Low tire pressure makes riding more difficult, and can damage your rims, tires, and tubes. Low tire pressure also causes your tires to wear out quicker. Use a good pump with a built-in gauge and inflate it to the tire manufacturer's recommended pressure, which is located on the sidewall of the tire.

► Note: **Inflate tires to the tire manufacturer's recommended pressure, located on the tire's sidewall.**

► Note: **Tire pressure can decrease as much as 5 to 10 psi per week. Check tire pressure regularly. Ensure that the valve cap is installed correctly.**

ii. Spokes and Wheels

Check for loose spokes, which can cause a wheel to go out of true. To adjust spokes and wheels, take your bicycle to a certified bicycle mechanic. You can also go to www.SimbiBicycles.com for more information.

 **WARNING** **Loose spokes can cause a wheel to go out of true and collapse, which could cause serious injury or death.**

F. Lubrication

A bicycle has several moving parts that must be lubricated regularly for optimal performance and to prevent rust and excessive wear. Use a light bicycle lubricant. Be careful to wipe off any excess lubricant, which can attract dirt and dust. You can easily lubricate the following yourself, and should do it regularly:

- ▶ **Any Pivots on Brakes** (places where parts move) – apply two to three drops of lubricant on these places. Make sure to wipe off any excess.
- ▶ **Pedals** – if pedals seem stiff to rotate, or make noise, apply lubricant in the moving parts, and wipe off any excess.

G. Cleaning

Regular and proper cleaning of your Simbi will keep it looking newer longer, protect the finish, and make it perform better. If your Simbi gets dirty or muddy (as in the case of mountain bikes), prop your bike upright and spray it down with a hose. DO NOT blast water sideways at the bicycle. This could cause water to get into the pedals, bottom bracket, or hubs, which could compromise the bearings, grease, and components inside. Spray water from above the bicycle, and try not to spray directly on parts with grease.

You can wash your bike with a bucket of warm water and mild dishwashing soap. Use a sponge, and for hard to reach spaces use a soft bristled brush, like a soft toothbrush. Dry the bike with a soft cloth afterwards.

Make sure to re-lubricate parts afterwards; otherwise they may rust if left with water.

You can use any liquid car wax on your Simbi.

H. Storage

Always store your Simbi indoors. The indoor environment will protect the bike from moisture in outside air that over time will corrode the metal parts. It will also protect your Simbi from extended exposure to sunlight, or salt if you live near an ocean.

One of the easiest ways to store your Simbi is with a bicycle hook. You can hang it from the front wheel, or upside down by both wheels. You should not hang your mountain-bike upside down by both wheels because this may cause the oil in the front shock to separate.

►Note: **Hang your bicycle indoors with a bicycle hook by the front wheel or by both wheels. See www.SimbiBicycles.com for bike hooks and other storage accessories.**

 **CAUTION** **Do not hang your mountain-bike upside down by both wheels because this may cause the oil in the front shock to separate.**

I. Baby your Simbi

Your Simbi was made with high performance components, and is highly durable. You can ride hard, but ride smart. Learn to ride with a light technique as some of the best bikers do and your Simbi's usable life will be extended. This will save you time in maintenance, greatly reduce your chance of injury, and ensure that your bike will run trouble free much longer.

6. SIMBI LIMITED WARRANTY

A. Warranty Information

SIMBI BICYCLE LIMITED LIFETIME WARRANTY

Simbi warrants the frame and rigid fork of each new Simbi brand bicycle and Simbi brand frameset to be free from defects in material and workmanship for as long as the original purchaser owns the bicycle. Paint finish and all other original components, and all Simbi brand repair parts, replacement parts, and accessories, are warranted to be free from defects in material or workmanship for a period of one year from the original date of purchase.

LIMITED REMEDY

Unless otherwise provided, the sole remedy under the above warranty, or any implied warranty, is limited to the replacement of defective parts with those of equal or greater value at the sole discretion of Simbi. You will be responsible for labor costs associated with warranty replacements. IN NO EVENT SHALL SIMBI BE RESPONSIBLE FOR DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, DAMAGES FOR PERSONAL INJURY, PROPERTY DAMAGE, OR ECONOMIC LOSSES, WHETHER BASED ON CONTRACT, WARRANTY,

NEGLIGENCE, PRODUCT LIABILITY, OR ANY OTHER THEORY.

EXCLUSIONS

THE ABOVE WARRANTY, OR ANY IMPLIED WARRANTY, DOES NOT COVER NORMAL WEAR AND TEAR. ALL WARRANTIES ARE VOID IF THE BICYCLE IS MODIFIED FROM ITS ORIGINAL CONDITION OR THE BICYCLE IS USED FOR OTHER THAN NORMAL ACTIVITIES, INCLUDING, BUT NOT LIMITED TO, FAILING TO FOLLOW THE OWNER'S MANUAL OR USING THE BICYCLE FOR COMMERCIAL ACTIVITIES OR IN COMPETITIVE EVENTS, INCLUDING BUT NOT LIMITED TO BICYCLE RACING, BICYCLE MOTOCROSS RACING, STUNT RIDING, RAMP JUMPING OR SIMILAR ACTIVITIES, AND TRAINING FOR SUCH ACTIVITIES OR EVENTS. SIMBI MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THAT OF THE EXPRESS WARRANTIES STATED ABOVE.

WHAT YOU SHOULD DO

Contact Simbi Customer Support at
www.SimbiBicycles.com.

7. TORQUE MEASUREMENT TABLES

A. Technical Torque Measurements

Be careful to follow the directions in this manual and securely tighten each bolt. For reference, the following tables list recommended torque levels for various components when using a torque wrench:

Table 1 – Maximum Torque Levels for Parts

Component	Screw connection	Torque (Nm)*
Disk Brake	Caliper bolt (fixed to frame or fork)	6
	Brake lever clamp screw	4
	Disk (rotor) fixation bolt	4
	Reservoir cover screw	<1
Stem	Handlebar clamp screw M5	10-12
	Handlebar clamp screw M6	14-16
	Cone clamp screw in stem of fork	19
	Headset clamp bolts	10-16
Seat post	Saddle bolt (two bolt system)	9-11
	Saddle bolt (one bolt system)	16-19
	Saddle Clamp	12
Bottle Cage	Screws	5

*Nm = Newton meters

Table 2 - Recommended Torque Levels for Other Screwed Connections

Component	Screw Connection	Torque (Nm)
Crankset	Crank fixing bolt (grease-free square-head)	35 - 44
	Crank fixing bolt (greased octalink)	35 - 50
	chainwheel bolt	8 - 11
Bottom bracket	Sealed cartridge in housing	35-50
	Fixed cup (cone) and lock ring	49 - 78
Clipless pedal	axle	10-12
Shoe	Cleat screws	5 - 8
	Spike	4
Brake	Fixing bolt on frame mounting (V-brake)	5 - 9
	Pivot bolt Caliper brake	8 - 10
	Cable anchor nut	6 - 8
	Brake pad fixing bolt	5 - 7
	Fastening bolt for cartridge brake pad lining	1 - 2
Rear gear changer (Rear derailleur)	mounting bolt (hanger bolt)	8 - 10
	Cable anchor bolt	4 - 6
	Roller cage bolt	3 - 4
Front gear changer (Front derailleur)	Mounting bolt	5 - 7
	Cable anchor bolt	5 - 7
Brake- and gear-lever	Mounting bracket bolt (Allen key)	6 - 8
	Mounting bracket bolt (screwdriver)	2.5 - 3
	Limit stop mounting bolt (frame!) (screwdriver)	1 .5 - 2
	Shifter fastening bolt	5
Hub	Locknut for adjusting quick-release hub bearing	10 - 25
Freewheel Hub	Freewheel body fixing bolt	35 - 49
	Freewheel body fixing nut	35 - 44
	Sprocket cluster lock ring	40

8. SUPPORT

A. Simbi Contact Information

For all current contact information, please visit us at www.SimbiBicycles.com.

**Questions? Problems?
For Customer Support,
Call (801) 471-0440**

9. INDEX

Assembly	Inspecting, 23	Shimano
Box Contents, 5	Inspection	Torque Levels, 31
Barrel adjuster. <i>See</i> Brake	Before Riding, 21	Spokes, 26
Adjustments and Gear Adjustments	Initial, 5	Storage, 27
Brakes	Lubricant, 25, 26	Tire Inflation
Adjustments, 22, 23	Lubrication, 26	Road Bike, 16
Checking Brakes, 22	Maintenance, 23	Schrader Valves, 16
Campagnolo	Operation, 21	Tires, 26
Torque Levels, 31	Pedals, 14, 25	Inflation, 16
Cleaning, 27	Saddle Adjustment, 19	Inspection, 21
Contact Information, 32	Safety	Tools, 5, <i>See</i> Assembly
Front Wheel Installation, 10	Helmets, 22	Torque Levels, 30, 31
Gears	Reflectors, 20	Tubes, 21, 26
Adjustments, 25	Safety check, 21	Unpacking, 5
Handlebar Installation, 12	Schrader Valves, 16, <i>See</i> Tire	Warranty
Handlebars	Inflation	Registration, 8
Check Alignment, 21	Seatpost Height, 18	Wheels, 26
Check Grips, 21	Seatpost Installation, 17	Inspection, 21

10. TABLE OF FIGURES

Figure 3 - Names and Locations of Parts.....	6
Figure 5 - Names of Frame Parts	7
Figure 9 – Loosen Axle Bolts	10
Figure 10 – Slide Wheel into Fork	10
Figure 11 – Fasten Wheel Securely in Fork.....	11
Figure 12 – Attach Handlebars to Frame.....	12
Figure 13 – Handlebar Adjustment.....	12
Figure 19 – Pedal Installation.....	14
Figure 20 – Presta Valve Tire Inflation.....	16
Figure 21 – Schrader Valve Tire Inflation.....	16
Figure 22 – Seatpost Installation	17
Figure 23 – Recommended Saddle Height Adjustment.....	18
Figure 24 – Saddle Adjustment	19
Figure 25 –Brake Adjustments	23
Figure 26 –Brake Adjustments	24

11. INDEX OF TABLES

Table 1 – Maximum Torque Levels for Parts	30
Table 2 - Recommended Torque Levels for Other Screwed Connections	31