



nirve

**ASSEMBLY
INSTRUCTIONS**

**TORQUE SPECIFICATIONS &
MAINTENANCE SCHEDULE**

15401 Assembly Lane, Huntington Beach, CA, USA 92649

www.nirve.com



Nirve Sports, Ltd.

15401 Assembly Lane

Huntington Beach, California 92649 USA

www.nirve.com

1-888-296-4783

Introduction

Congratulations on your purchase of a NIRVE premium quality bicycle. We are confident you will find your NIRVE bicycle to be at the highest level of design, quality, and workmanship that the bicycle world can offer.

NIRVE has assembled and adjusted your bicycle as completely and thoroughly as possible, while remaining shippable by conventional means. Depending on the model and size of the bike you purchased, there are different levels of final assembly required. Refer to the table of contents for the section that applies to your model.

IMPORTANT SAFETY NOTICES! **PLEASE READ CAREFULLY!**

ASSEMBLY: Please be aware that the following instructions are intended for the final assembly to be performed by an adult 18 years of age or older. If you are under the age of 18, do not assemble the bike without the help and supervision of a parent or an adult. These instructions include information pertaining only to those components which are either uninstalled, or that lack complete adjustment, as the bike comes out of the carton. Please read all instructions completely prior to assembly. Pay special attention to all warnings and notes and perform all listed tests. Failure to do so may result in irreparable damage to the bicycle and/or possible equipment failure, which may result in serious personal injury or death.

For more complete and specific adjustment and safety information, please refer to the NIRVE Owner's Manual, which is included in the small parts box. If for any reason, you feel that you are lacking sufficient instruction or tools for proper set-up and adjustment, please consult our website at www.nirve.com for further information. Do not hesitate to contact NIRVE technical support at 1-888-296-4783. Or visit your local professional bicycle dealer.

REFLECTORS: All Nirve bicycles come with four safety reflectors; one-front (white), one rear (red), and one for each wheel (white or yellow). **WARNING:** Reflectors only reflect light from other sources. They do not produce light on their own. Do not assume that other vehicles can see you simply because you have reflectors installed. Riding after dark is inherently dangerous. NIRVE recommends that you avoid riding after dusk. If you must ride after dark, NIRVE strongly recommends the use of an add-on headlight and taillight, which are available at your local bike shop. Defer to local laws on any and all bike riding requirements - night or day.

BEFORE RIDING: Read the Owner's Manual contained in the small parts box and make sure that you or your child understands all instructions, warnings, cautions and safety information. The Owner's Manual contains additional important safety information about your bicycle and bicycling safely. Failure to follow the instructions, warning and safety information contained in the Owner's Manual could result in serious personal injury or death.

NOTE: If at any time your bicycle is disassembled, please refer to the instructions listed for your bicycle model or consult our website at www.nirve.com, Nirve technical support at 1-888-296-4783, or visit your local professional bicycle dealer.

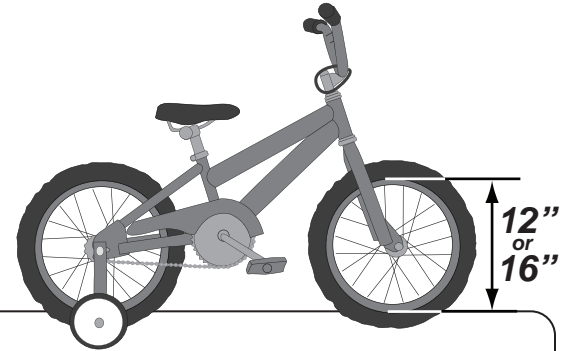
Nirve recommends you have your bike checked after assembly by a professional bicycle dealer.

WARNING!

Always wear an ANSI approved safety helmet. Never ride at night. If you must ride at night, be sure to use proper lighting equipment. Reflectors alone are not enough! Check with local authorities for lighting equipment regulations for your area. Failure to use approved safety equipment could result in serious injury or death.

NOTE

Please read all instructions completely prior to assembling your bicycle and read the Owner's Manual before operating your bicycle.



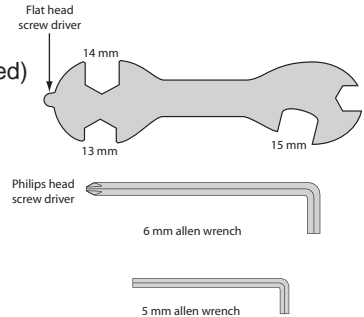
**12" and 16" Bicycle
Assembly Instructions**

Tools Required:

- 6mm allen wrench (included)
- Multi open-end wrench (included)

Items included in parts box:

- 2 Pedals (1 left, 1 right)
- 2 Training Wheels (set)
- Front and Rear Reflector kit
- 1 Owner's Manual
- 1 Assembly Manual
- 1 Stem pad



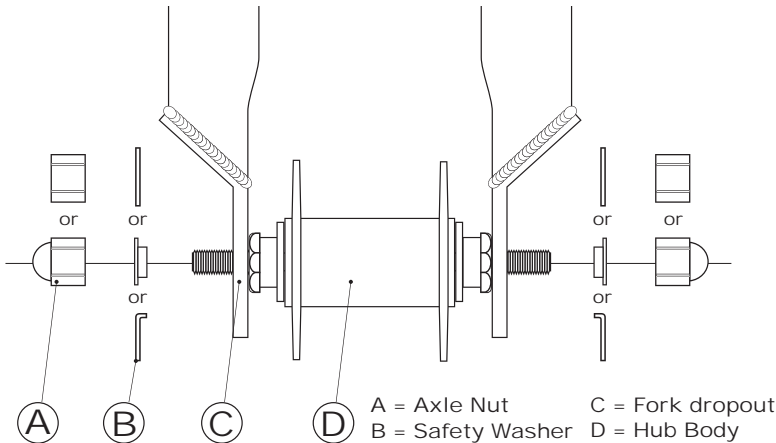
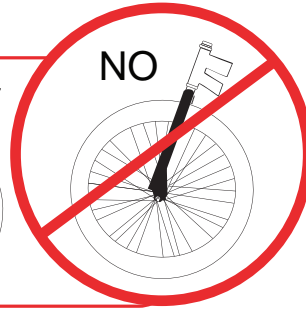
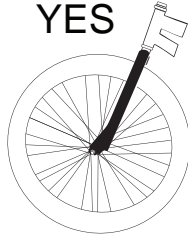
If any of the items listed above are not included in the small parts box DO NOT begin assembly. Please contact NIRVE technical support at 1-888-296-4783.



Install Front Wheel

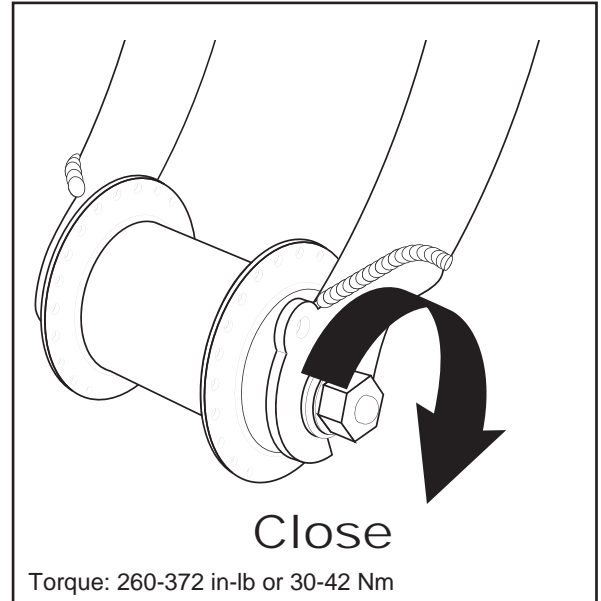
WARNING!

Front fork must be turned forward to function properly.



Step 1

Press wheel axle firmly to the top of the slots in the fork dropout. All hardware should be outside the fork dropout as shown. Fit Safety Washers properly into dropout's corresponding opening. Properly tighten all hardware.



Step 2

Spin front wheel to make sure that it is centered in the frame. Repeat Step 1 if necessary.

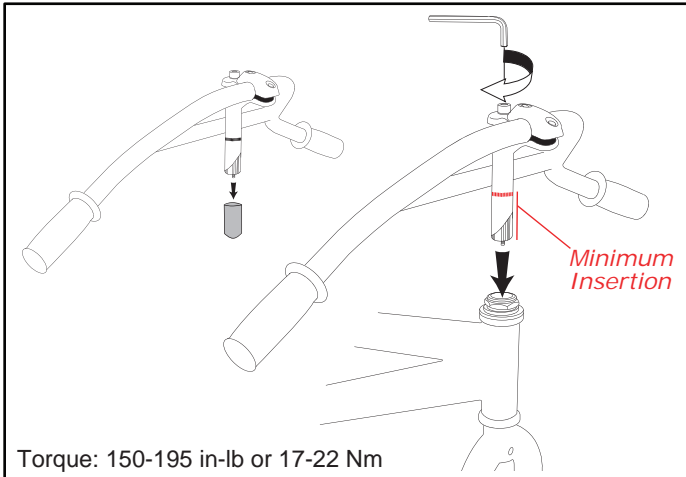


Handlebar & Stem Adjustment

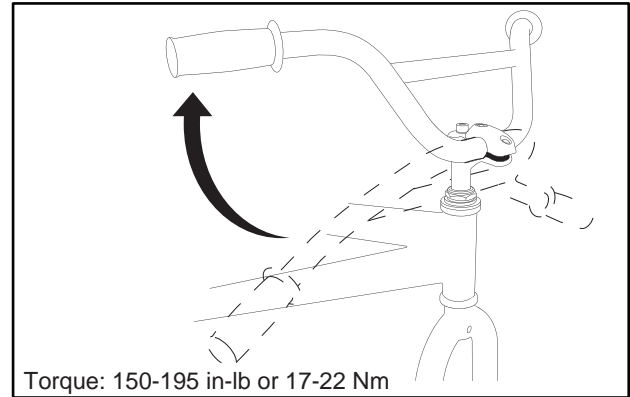
WARNING!

Stem must be inserted to at least the minimum insertion mark. Failure to do so could cause stem and handlebar assembly to twist or disengage from the fork column, possibly resulting in serious injury or death.

- Step 1**
- 1) Remove wedge cap from stem.
 - 2) Lightly grease stem shaft.
 - 3) Insert stem shaft into fork column and align with front wheel.
 - 4) Tighten Stem binder.

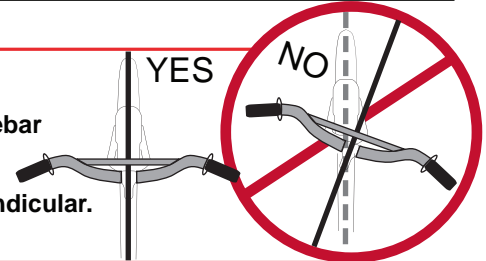


- Step 2**
- 1) Rotate handlebars up to desired riding position.
 - 2) Tighten handlebar anchor bolts.



WARNING!

Wheel and handlebar must be perpendicular.



TEST HANDLEBAR ASSEMBLY FOR TIGHTNESS

Stand facing the rear of the bicycle and straddle the front wheel holding it tightly between your legs. Try turning the handlebars side to side then up and down without allowing the front wheel to turn.

USE AS MUCH FORCE AS POSSIBLE!

If tightened sufficiently, the handlebar and stem should not move at all.

Repeat Step 1 and 2 if necessary.



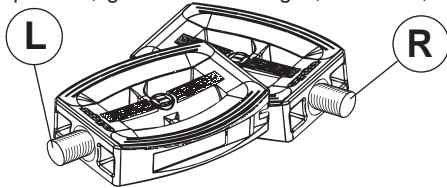
Install Pedals

NOTE

The right and left pedals are threaded in different directions and can not be interchanged. Damage will result to both pedals and crank arms if pedals are installed incorrectly

left, izquierda, gauche

right, derecho, droit

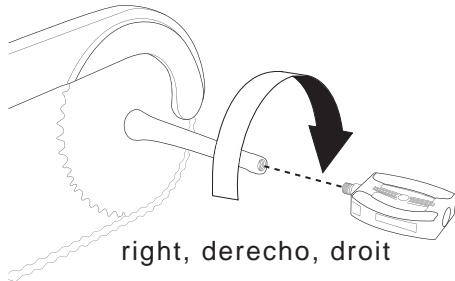


RIGHT PEDAL

STOP if resistance is encountered. Permanent damage may be caused if forced.

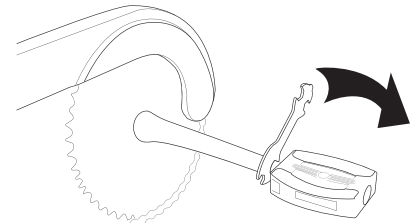
Step 1

Thread the right pedal (marked "R") into the crank arm by turning it **CLOCKWISE** until secure.



Step 2

Use supplied 15mm open-end wrench to turn right pedal **CLOCKWISE**. Completely tighten pedal.



right, derecho, droit

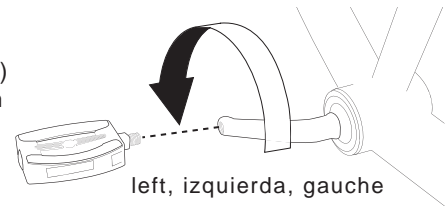
Torque: 307-354 in-lb or 35-40 Nm

LEFT PEDAL

STOP if resistance is encountered. Permanent damage may be caused if forced.

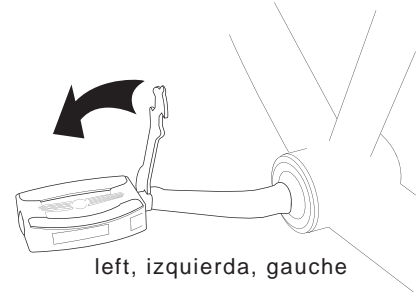
Step 1

Thread the left pedal (marked "L") into the crank arm by turning it **COUNTER-CLOCKWISE** until secure.



Step 2

Use supplied 15mm open-end wrench to turn left pedal **COUNTER-CLOCKWISE**. Completely tighten pedal.



left, izquierda, gauche

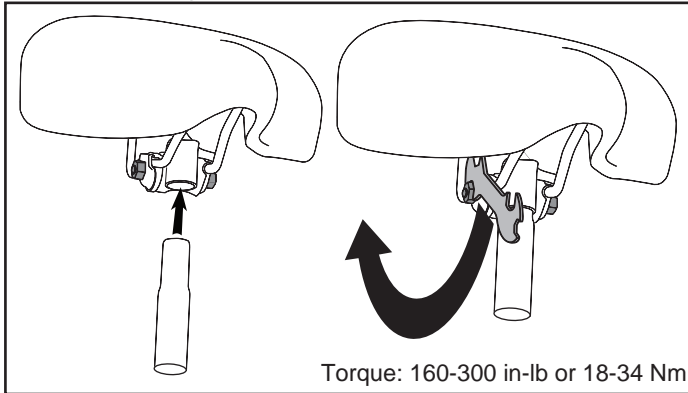
Torque: 307-354 in-lb or 35-40 Nm



Install Saddle

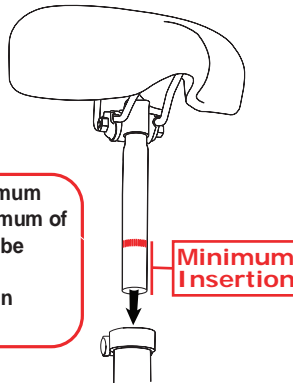
Step 1

Position saddle on seat post. Tighten seat binder nuts, alternating sides so that equal amounts of seat bolt are showing on each side.



Step 2

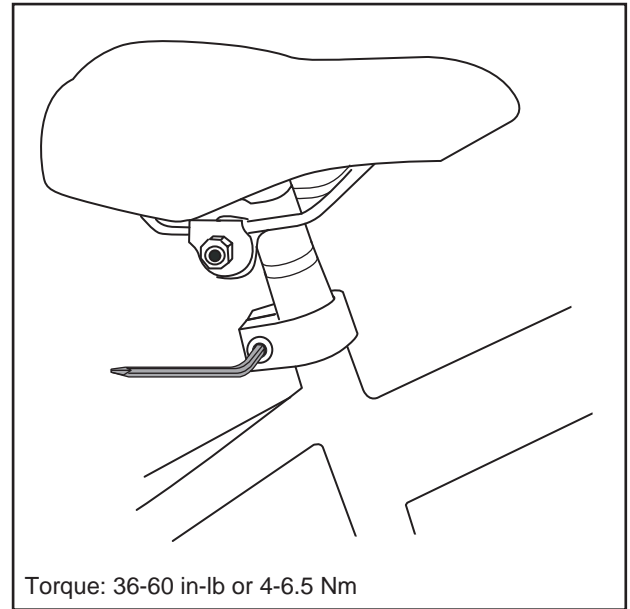
Insert seat post and saddle into bicycle seat tube to the desired height. If necessary, lightly grease post to ease entry.



WARNING!

The seat post is marked with a minimum insertion line. Failure to keep a minimum of 2-1/2 inches inserted into the seat tube and properly secured may cause equipment failure which may result in serious personal injury or death.

Step 3 Tighten binder when saddle is at desired height.



TEST SADDLE FOR TIGHTNESS

Stand facing the front of the bicycle and straddle the rear wheel holding it tightly between your legs. Try turning the saddle side to side then up and down without allowing the bicycle to move.

USE AS MUCH FORCE AS POSSIBLE!

If tightened sufficiently, the saddle should not move at all.

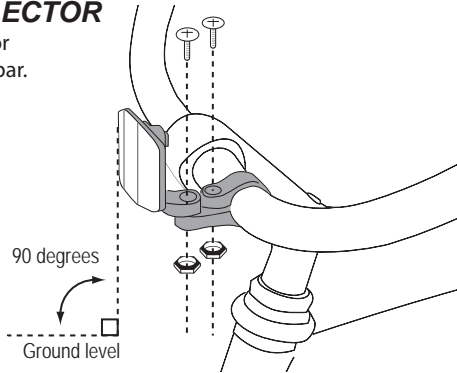
Repeat Steps if necessary.



Install Reflectors

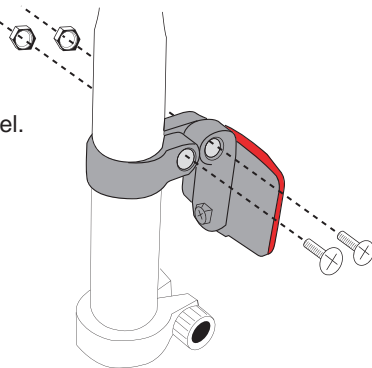
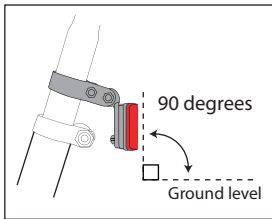
FRONT REFLECTOR

Install front reflector (clear) over handlebar. Reflector must be perpendicular to ground level.



REAR REFLECTOR

Install rear reflector bracket (red) on seat post. Reflector must be perpendicular to ground level.

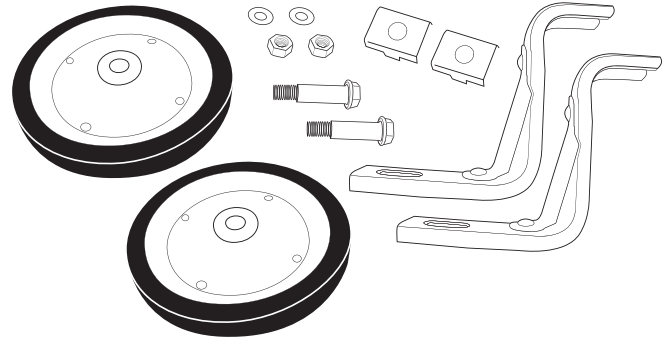


Tighten all hardware securely so the reflector does not rotate out of position.



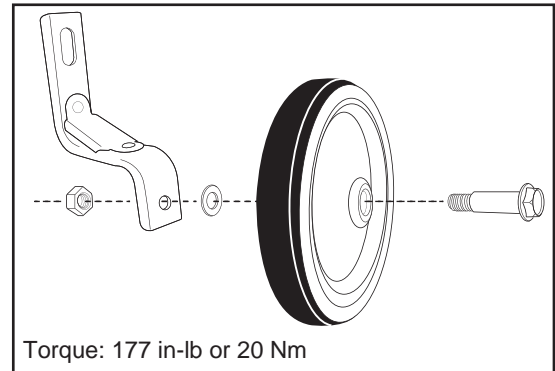
Install Training Wheels (optional)

Training Wheel Parts



Step 1

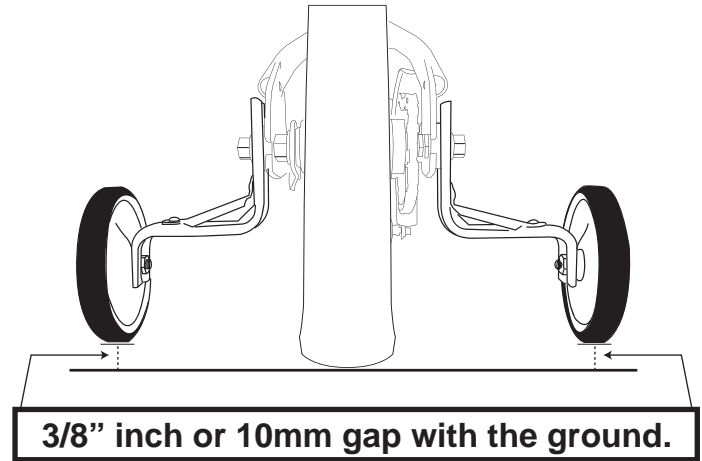
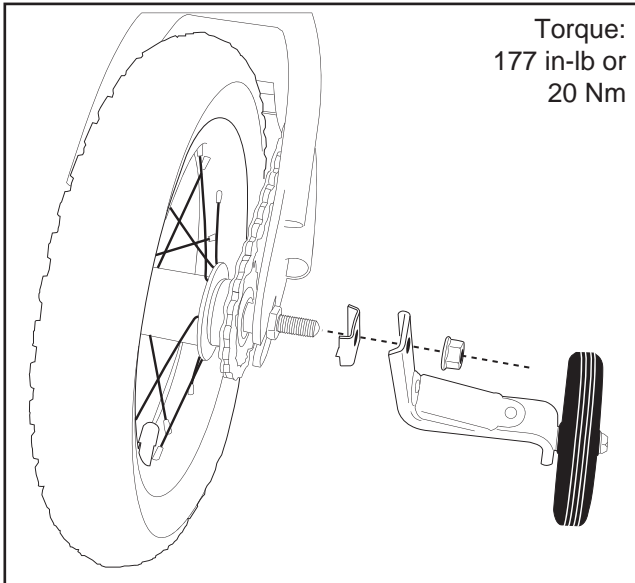
Attach the training wheel to support bracket.





Install Training Wheels (optional)

- Step 2** Attach the training wheel assembly to rear axle.
Repeat for left and right.



WARNING!

Check chain tension after training wheels are installed. The chain is too loose if it can be moved up or down more than 1/2" by hand. If you feel the chain is loose, loosen the axle nuts, pull wheel backwards until the chain is tight. Make certain the wheel is straight and aligned in the center of the frame tubes. Re-tighten axle nuts. Never attempt to check chain tension while riding or when pedaling the bicycle in any way.

Final Check

Check all bolts and fasteners for tightness according to the Torque chart on page 28.

Check the bolts and fasteners that you did NOT specifically assemble yourself.



FULLY READ AND COMPREHEND YOUR NIRVE OWNER'S MANUAL BEFORE YOU RIDE THIS BIKE. IF POSSIBLE, NIRVE ALWAYS RECOMMENDS THAT YOU HAVE YOUR BIKE ASSEMBLED BY A PROFESSIONAL BICYCLE MECHANIC.

If you experienced ANY problems while assembling your Nirve bicycle, contact Nirve right away:
www.nirve.com cs@nirve.com 1-888-296-4783

WARNING!

Test your bike in a controlled area before riding on the open street.

This bicycle is NOT designed for stunts or jumping.

Always wear a helmet and follow all state and local bicycle laws and regulations.

Never ride at night.

Never ride while intoxicated.

Fenders	
Fender Bolts	6-9 Nm (53-78in-lb)
Fender Brace Bolts	2.5-4 Nm (25-35in-lb)

Wheels	
Axle Nut	30-42 Nm (260-372in-lb)

Headset/Handlebar	
Threaded Headset Locknut	16-24 Nm (142-212in-lb)
Stem Expander Bolt (quill type)	17-22 Nm (150-195in-lb)
Handlebar Binder Bolt (quill type)	17-22 Nm (150-195in-lb)
Stem Binder Bolt (threadless)	13.5-16 Nm (120-144in-lb)
Compression Cap	2-3 Nm (20-26in-lb)
Stem Faceplate Bolts	13.5-19 Nm (120-168in-lb)

Pedals/Bottom Bracket	
Pedal	34.5-40 Nm (307-354in-lb)

Seat	
Seat Post Binder	4-6.5 Nm (36-60in-lb)
Seat Rail Binder	18-34 Nm (160-300in-lb)

Bike Basket	
Base Clip Bolts	2.5-4 Nm (25-35in-lb)
Mount Bracket Bolts	2.5-4 Nm (25-35in-lb)
Strut Bolts	2.5-4 Nm (25-35in-lb)

Derailleur/Shifting	
Shift Lever – Twist Grip	6-8 Nm (53-70in-lb)
Rear Derailleur Mounting Bolt	8-10 Nm (70-86in-lb)
Rear Derailleur Cable Pinch Bolt	4-5 Nm (35-45in-lb)
Rear Derailleur Pulley Wheel Bolt	3-4 Nm (27-36in-lb)

Training Wheels	
Support Bracket Bolt	20 Nm (177in-lb)

Brakes	
Disc Brake Rotor To Hub	4-7 Nm (36-60in-lb)
Disc Brake Caliper Mount	6-9 Nm (52-84in-lb)
Brake Caliper Mount to Frame (side/dual/centerpull)	8-9.5 Nm (70-85in-lb)
Brake Caliper Mount to Braze-on Linear Pull/Cantilever	5-7 Nm (44-60in-lb)
Brake Pad (Threaded Stud, Dual Pivot/Cantilever/Sidepull)	5-7 Nm (44-60in-lb)
Brake Pad (Smooth Stud, Cantilever)	8-9 Nm (70-78in-lb)
Brake Cable Pinch Bolt (Linear Pull/Cantilever)	6-8 Nm (53-69in-lb)
Brake Cable Pinch Bolt (Sidepull/ Dual Pivot/Centerpull)	6-8 Nm (53-69in-lb)
Brake Caliper Arm Pivot (Dual Pivot)	8-9.5 Nm (70-85in-lb)
Sidepull/Dual Pivot Brake Pad Bolt	5-7 Nm (44-60in-lb)
Cantilever Straddle Wire Pinch 5 x 0.8 Thread	4-5 Nm (35-43in-lb)
Brake Caliper Wire Pinch Linear Pull/Cantilever M6 x1 Thread	5.5-8.5 Nm (50-75in-lb)
Brake Lever (MTB type)	6-8 Nm (53-69in-lb)
Brake Lever (Drop Bar Type)	6-8 Nm (53-69in-lb)

Torque Specification Tables

WARNING! Your bicycle is subject to wear and high stress. Take the following precautions to avoid injury.

BEFORE EVERY RIDE	EVERY 30 DAYS	EVERY 6 MONTHS	ONCE A YEAR
<p>Check your tire pressure. Refer to the tire sidewall for recommended pressure. Check tire tread for wear, cuts, and debris.</p>	<p>Check chain for proper lubrication. If necessary lubricate with high quality chain lube available from your local bike shop. Do not over lubricate, wipe off any excess with a clean rag. DO NOT USE VEGETABLE BASED OILS TO LUBRICATE BICYCLE!</p>	<p>Clean bike using a sponge and mild soap and water solution. Dry bike and polish all metal surfaces with a high quality automotive wax. DO NOT USE A HIGH PRESSURE HOSE TO WASH BIKE. DOING SO WILL CONTAMINATE BEARING GREASE!</p>	<p>Take to your local professional bike shop for complete check up and tune up. Have dealer re-pack hubs, headset, and crank bearings with fresh high quality grease.</p>
<p>Check frame welds for signs of cracking. DO NOT RIDE BIKE IF THERE ARE ANY SIGNS OF CRACKS IN THE FRAME WELDS! DOING SO COULD CAUSE SERIOUS INJURY OR DEATH.</p>	<p>Check all nuts and bolts for proper tightness. Refer to Torque specifications for correct settings.</p>	<p>Check all control cables for wear and tear. Cable housing should not be kinked or broken. Inner cable should not be frayed or rusted. Replace if necessary.</p>	<p>Check tires for excessive wear or dry rot. Replace if necessary.</p>
<p>Check to make sure your axle nuts or quick release mechanism are properly tightened and secure. Check seat and handlebars for proper alignment and tightness. Refer to Torque specifications for correct settings.</p>	<p>Check crank and steering bearings for smooth operation with no looseness in working assemblies. Crank and steering bearings should be adjusted to work smoothly with no resistance or play. Visit your local bike shop if adjustment is necessary.</p>	<p>If equipped with a derailleur transmission, lubricate all derailleur pivots using high quality bicycle lube.</p>	
<p>Check brakes for proper function. Check brake pad thickness for excessive wear and correct alignment with rim surface if equipped with hand brakes.</p>	<p>Check pedal axles to be sure they have not worked loose. Tighten if necessary using a 15mm wrench. Refer to Torque specifications for correct settings.</p>		
<p>Spin wheels and check to make sure they run true and are not bent. Visit a bicycle shop for alignment if your wheels are out of true.</p>	<p>Wipe off bike and components of any accumulated road grime using clean soft cloth. Especially sand residue. Sand contains salt and promotes corrosion and premature component failure.</p>		
<p>Check chain adjustment for proper tension. Correctly adjusted chain will have between ¼" (7mm) and ½" (13mm) of deflection up or down from resting centerline.</p>	<p>Shake fenders gently by hand and check for rattles and general tightness. Tighten with 8mm box end wrench if necessary. DO NOT RIDE BIKE WITH LOOSE FENDERS. LOOSE FENDERS MAY FALL OFF AND JAM IN THE WHEEL CAUSING THE BIKE TO STOP SUDDENLY POTENTIALLY CAUSING RIDER INJURY!</p>		