



LZR



USER MANUAL
VERSION 1.0

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Please read this manual carefully before using the product. The manual contains important instructions for the safe use and longevity of your bike.

If you need any type of support or warranty information for your LZR, please contact ONYX before returning it back to where you purchased the bike. The ONYX Support Team is ready to help you via phone or email. You can also visit our website for more info.

Phone: 1.310.800.2531 (M-F 9am-5pm PST)

Email: info@onyxmotorbikes.com

Web: onyxmotorbikes.com

LZR PRO 900W



LZR 500W





ASSEMBLY PREP

To prepare for the assembly of your LZR, first take out all pieces of the LZR from the box and remove all packaging. Also, open the small parts box and remove all tools, parts, and everything else that's inside of it. Note that the assembly process is the same for both the LZR PRO 900w and the LZR 500W.



Platform Pedals



Y-Wrench



Charger



15mm Wrench



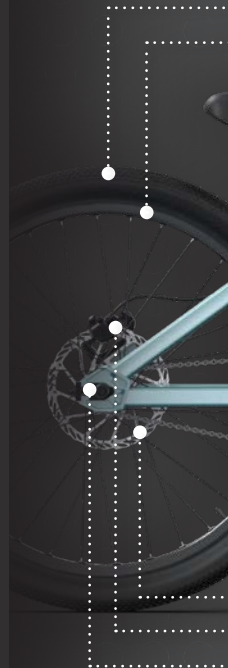
Spoke Reflectors



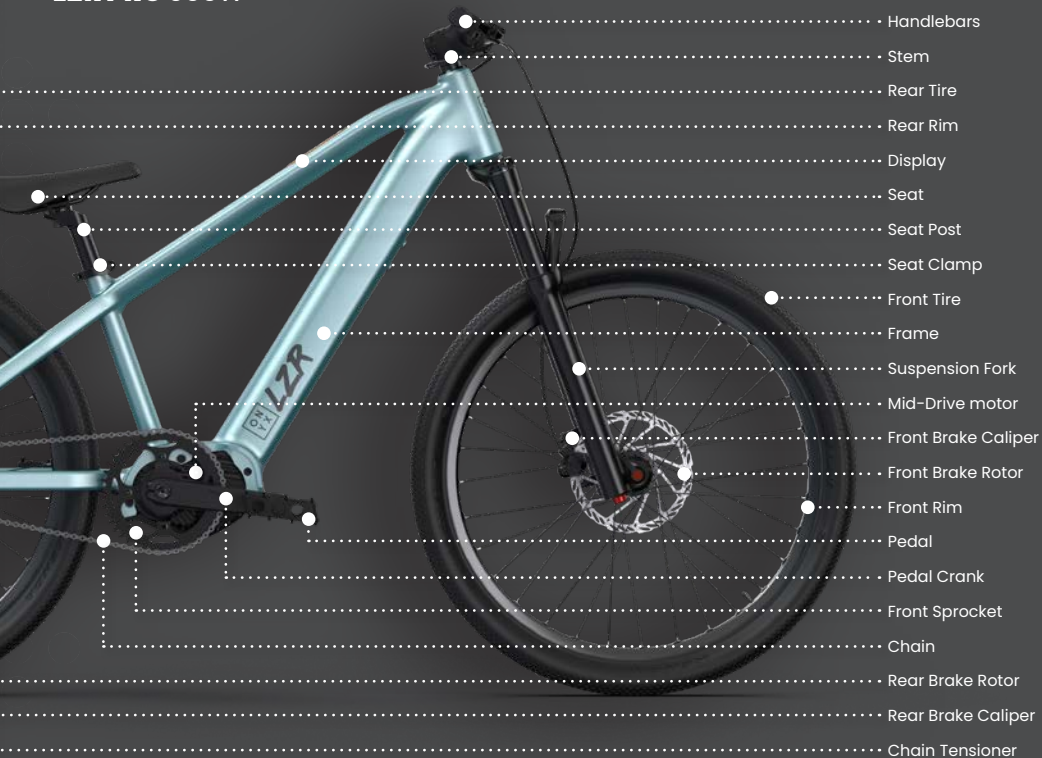
F/R Reflectors



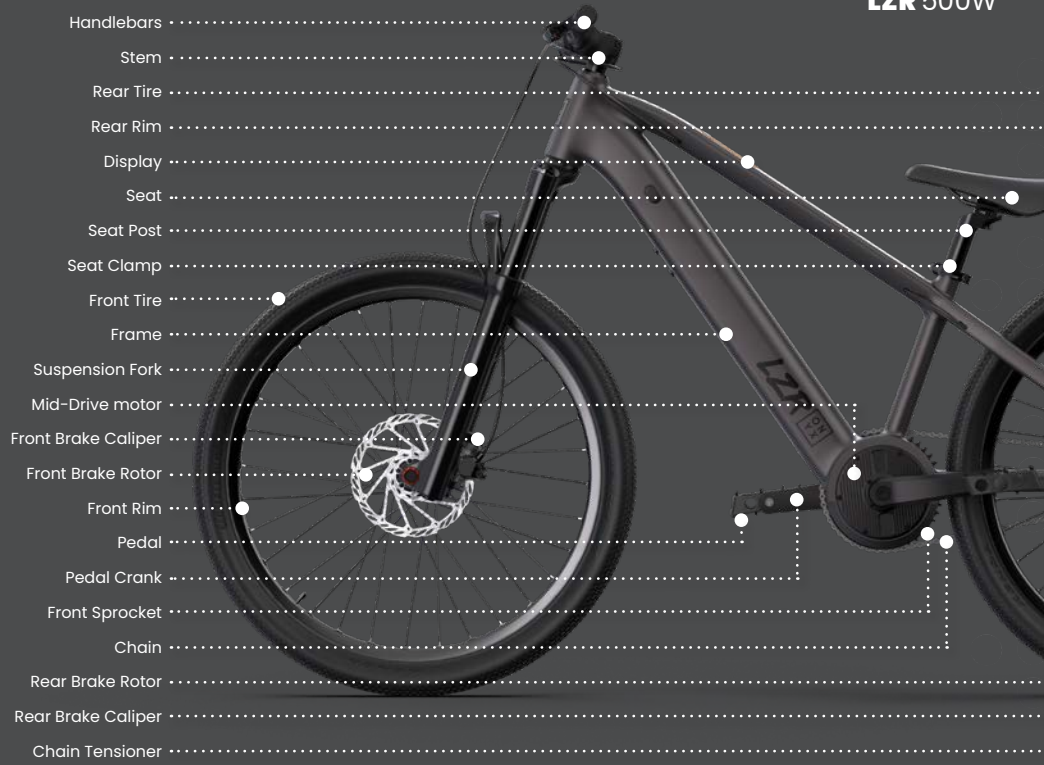
Manual



LZR PRO 900W



LZR 500W



Handlebars

Stem

Rear Tire

Rear Rim

Display

Seat

Seat Post

Seat Clamp

Front Tire

Frame

Suspension Fork

Mid-Drive motor

Front Brake Caliper

Front Brake Rotor

Front Rim

Pedal

Pedal Crank

Front Sprocket

Chain

Rear Brake Rotor

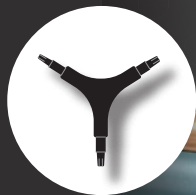
Rear Brake Caliper

Chain Tensioner



INSTALL THE HANDLEBAR

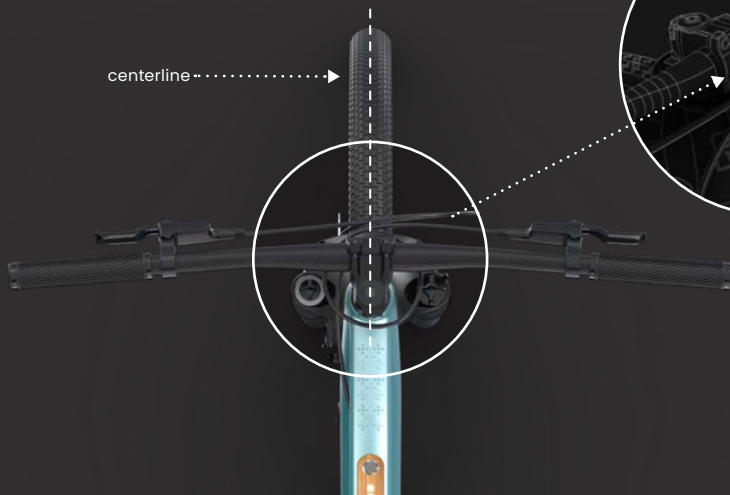
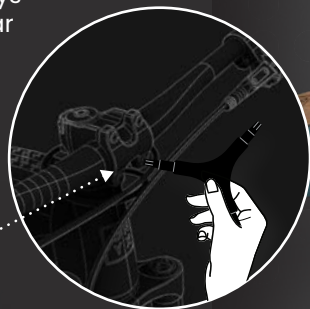
Remove the four screws from the stem. Use the Y-Wrench Allen Key Tool to remove the screws on the front of the stem.





INSTALL THE HANDLEBAR

Install the handlebar lined up properly with the tire and frame, insert each of the four screws, and loosely thread them in a crisscross pattern until the bar does not move. Align and center the bars then tighten the four screws on the stem to clamp the handlebars tight so there is no twisting or other movement possible. Always use a crisscross pattern when clamping the handlebar to the stem.





INSTALL THE FRONT WHEEL

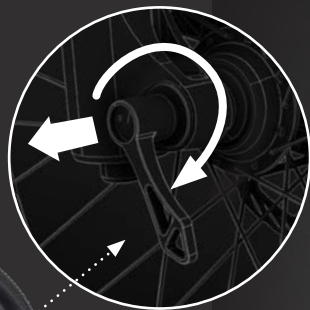
Be sure to remove the plastic front caliper brake pad spacer and the front wheel axle before starting this step. Align the front wheel hub to the holes on the forks. The brake rotor should be aligned so that it fits inside the front brake caliper where you just removed the plastic brake pad spacer.





INSTALL THE FRONT WHEEL

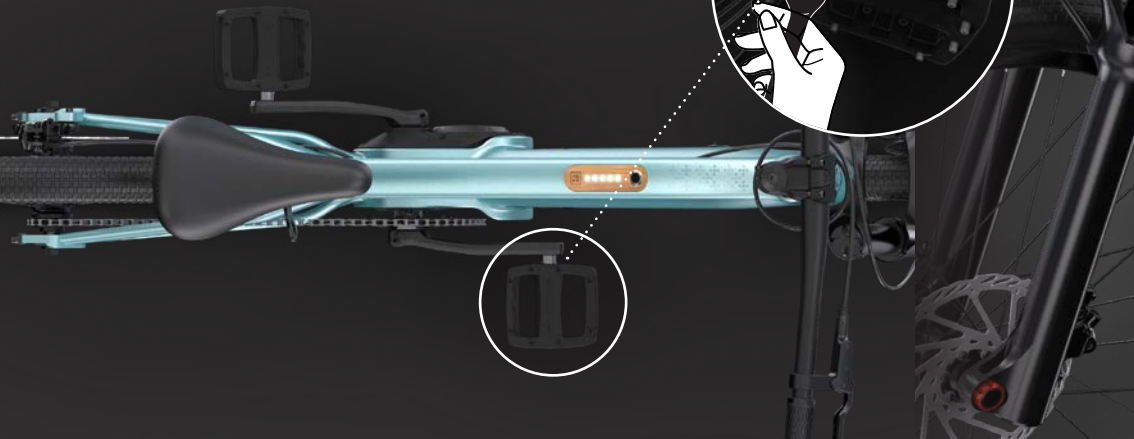
Once the hub is aligned with both sides of the fork, install the axle through the fork and hub and tighten. Once the axle is tight and you can pull on the lever away from the forks and re-adjust the angle of the lever.





ATTACH THE PEDALS

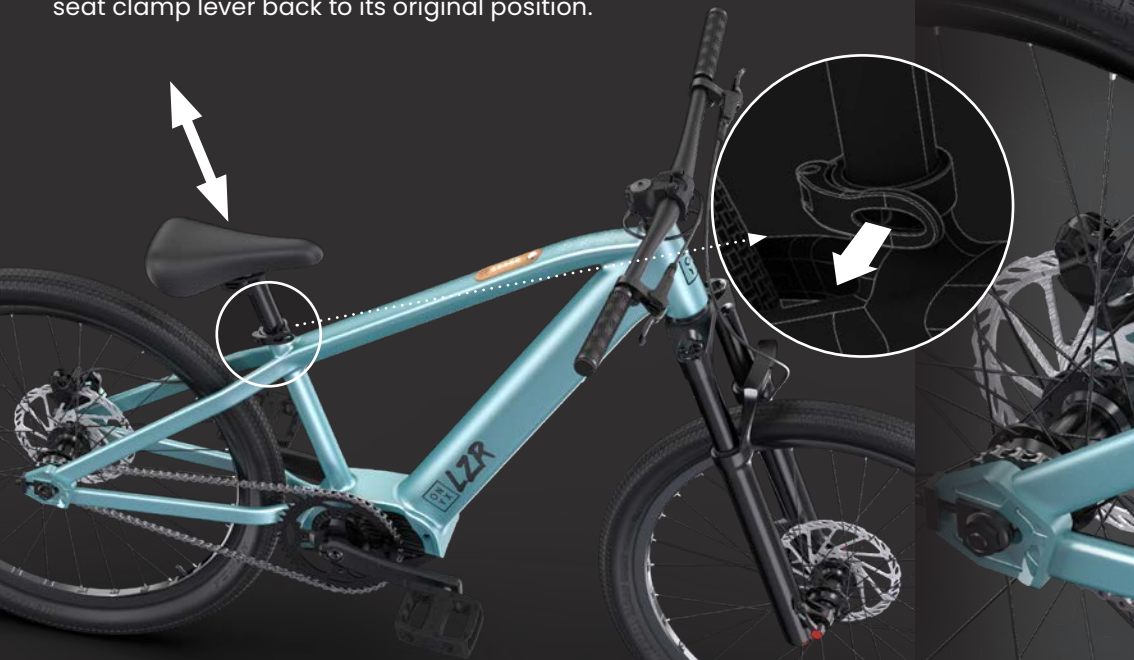
Install the left and right pedals by screwing them into the pedal crank arms. Pay attention to which pedal is being installed on each side. The left pedal is reverse threaded so it is tightened counter-clockwise. You can tell the two pedals apart by looking for the “R” on the right pedal and “L” on the left. After the pedals are screwed on by hand, use the 15mm open end of the wrench to give the pedals a final tightening.





ADJUST THE SEAT HEIGHT

To adjust the seat height, open the seat clamp lever and raise or lower the seatpost to where it feels comfortable. Once in a comfortable position, close the seat clamp lever back to its original position.





POWER ON/OFF

After long pressing the power button on the wood display for a few seconds the indicators will flash on and display the first pedal assist mode. After a moment the display will show the battery level and you are ready to ride. To power off, long press the power button again for a few seconds and the unit will turn off once you let go and the LED indicator lights turn off.

BATTERY LEVELS:



20%

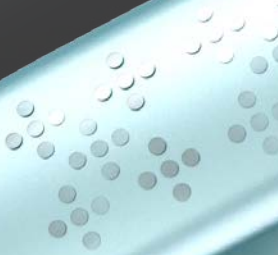
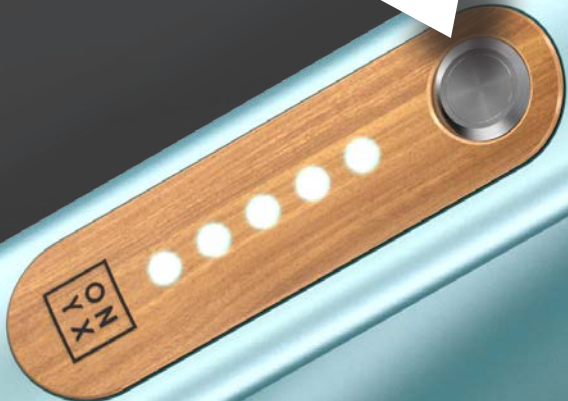
40%

60%

80%

100%

**LONG-PRESS TO
POWER ON/OFF**



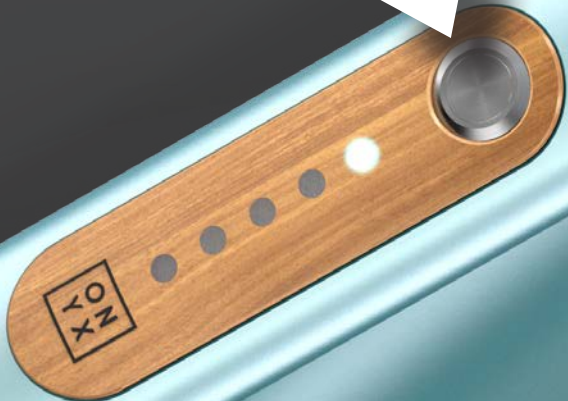
PEDAL ASSIST MODES

To switch between the 5 power levels of pedal assist, simply toggle the modes using the power button. A momentary press will move up from level 1 to level 5 with level 5 being at the very top of the LED indicators.

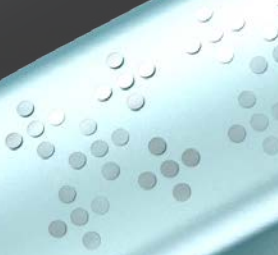
ASSIST MODES:



**SHORT-PRESS TO
SWITCH MODES**



YO
XZ



OPERATION + SAFETY INSTRUCTIONS

For your personal safety, you must pay attention to the following safe use of the LZR:

It is recommended to always wear a helmet when riding.

Do not exceed the maximum load of 300 lbs (136.1 kg) and no more than one rider at a time.

When riding in rain or snow, it will take longer to slow the vehicle. Be aware of braking earlier than normal.

Try to avoid riding in severe weather such as heavy rain, snow, or wind.

For your personal safety, you must pay attention to the following safe use of electric bicycles:

Do not park the LZR in building halls, evacuation stairs, or walkways.

Do not charge or park the LZR in residential buildings.

Keep away from combustibles when charging and do not leave charging for an extended period of time.

The battery should be used and maintained correctly in accordance with the method required by this manual. The battery should not be disassembled without authorization and should be recycled by professional experts.

The charger should be used and maintained correctly in accordance with the LZR.

Carefully read the warning labels and instructions of the charger before use. When replacing the charger, it should be purchased from ONYX directly.

Before washing the LZR, you should read and understand the part of the manual "Precautions for washing".

When adjusting the handlebars or saddles, care should be taken not to expose the safety marks of the handlebars and saddles.

Always check your LZR before riding. If there are any issues found, please seek professional assistance with solving the issue or repair.

Always check whether the front and rear brakes work normally.

Always check that handlebars, front and rear wheels, and all other parts of the LZR are tightened properly.

Precautions while riding:

Pay attention and observe all pedestrians, vehicles, obstacles, and others using the road at all times.

Do not drive under the influence of alcohol.

Anyone who suffers from diseases such as hypertension, hernia, concussion, epilepsy, and cardiovascular disease should not ride the LZR.

Do not follow motor vehicles too closely (because they may slow down or turn at any time), and always pay attention to the brakes.

Do not touch things on the road with your feet while riding.

While riding at high speed, be sure to brake the bike slowly and do not brake suddenly under any circumstances.

When driving at night, slow down, drive with caution, and use the lights of the vehicle.

Try to ride in designated bicycle lanes or the edge of the road and in the direction of traffic flow. Stop at stop signs, slow down, and watch traffic at intersections.

Jackets, boots, trousers, gloves, etc. are effective protective clothing to prevent abrasions if an accident were to occur while riding. It is recommended to wear them to protect yourself.

Do not wear loose clothing to avoid the risk of entanglement in the moving parts of the LZR.

Please wear appropriate safety equipment according to the type of riding you plan to do. It is best to wear a pair of sports sunglasses, which can reduce the damage of ultraviolet rays to the eyes and protect the eyes from tree branches and flying rocks or stones.

Please perform regular maintenance and inspection of your LZR.

Please do not replace any parts yourself to avoid damage.

If any parts are damaged while riding that affect safety, please stop riding immediately.

You should not listen to music while riding (because when you listen, it distracts your attention, and you cannot hear the sound of horns or other sounds of motor vehicles, which is very dangerous)

If you have any problems while riding, please resolve the problem if possible or contact ONYX customer care for help.

Precautions for washing the LZR:

When washing the LZR, do not directly pour water on the motor and the front and rear axles to prevent water from affecting the performance and life of the product. When washing the LZR, do not use a strong steam or high-pressure water spray.

After washing the vehicle or riding through water, pay special attention to the working conditions of the brakes. The braking capability may be reduced in these circumstances.

MAINTENANCE + TROUBLE SHOOTING

Inspection of handlebar + front & rear wheel:

Move the LZR up, down, front, back, left and right to check whether the handlebars and the axle of the front and rear wheels are tightened properly, whether the handlebars are tightened properly, and whether there is any abnormal rubbing or damage happening between parts

Push the LZR back and forth to check whether the front and rear wheels rotate smoothly and without any abnormal noise or rubbing.

Carefully check the entire vehicle before riding and if you find any issues, please contact a professional for repair or contact ONYX customer care for help.

Inspection of power circuit:

Turn on the power, operate the pedal assist level switch, check that all assist levels are selectable.

Inspection of front + rear brakes:

Pull the front and rear brake levers, and confirm whether the brakes are working when the distance between the brake lever and the handlebar is $\frac{1}{2}$ inch.

When the brake is in a tightly gripped state, the brake pad and the brake disc should be contacting evenly.

The brake pads and brake discs should be replaced at the same time

Seat adjustment:

Proper seat adjustment is to sit on the seat with the toes of both feet touching the ground.

Damage or contamination of reflectors:

Check whether the reflectors are dirty or damaged. If they are, clean or replace them.

The fixed state of wheel axles:

Confirm the front and rear axles of the wheels are not shaking or loose.

Inflation, wear, and damage of tires:

Confirm whether the tire inflation is appropriate. Improper inflation can cause punctures and loosening of parts of the LZR. In addition, determine whether there is a high amount of wear or any foreign objects or nails in either of the tires. If so, do not ride before fixing the issue or repairing the tire(s).

Adjustment of pedals or other moving parts:

The pedals should rotate smoothly. If either is loose, please tighten.

Charge port:

Check to make sure the charge port is not damaged.

Check to make sure there are no foreign objects in the charge port.

Check that the port is not deformed and the port cover is not damaged.

LIMITED MANUFACTURER'S WARRANTY

The LZR comes with a limited manufacturer's warranty and is covered from any defects or issues that are outside of normal wear & tear within the warranty period and terms outlined at onyxmotorbikes.com

Do not modify the LZR as it will void your warranty and introduce potential safety issues. Read and understand all safety warnings listed on the product label and in this manual.

Proof of purchase must be verified before any warranty claim is filed.

Warranty terms only apply to the original owner.

If you need any type of support or warranty information for your LZR, please contact us before returning it back to where you purchased it. The ONYX Customer Care Team is ready to help you via phone or email and you can also visit onyxmotorbikes.com for more info.

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Federal Communications Commission (FCC) Compliance Statement for USA

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy; if not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by powering the equipment off and on, the user is encouraged to try to correct the interference by using any of the following measures:

Reorienting or relocating the receiving antenna.

Increasing the separation between the equipment and receiver.

Connecting the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

Prop 65 Warning

This product can expose you to chemicals including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to:

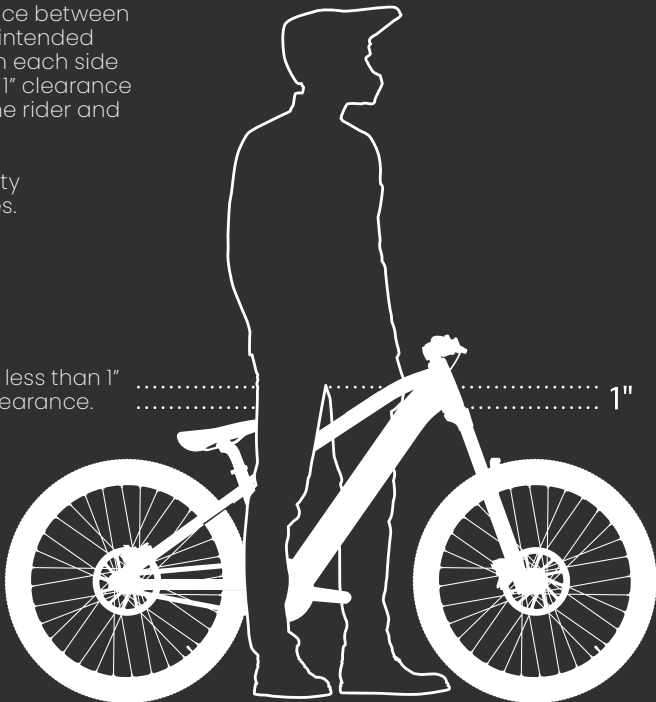
<http://www.p65warnings.ca.gov>.

Proper Frame Sizing

There must be at least 1" of clearance between the top tube and the crotch of the intended rider while standing with one leg on each side of the ONYX LZR. If there is less than 1" clearance then the ONYX LZR is too large for the rider and should not be used.

*Meets U.S. consumer product safety commission regulations for bicycles.

*Not less than 1"
of clearance.









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