



Model Year 2025 First Edition  
**Cyberbike Assembly Guide**



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2025 Cyberbike Assembly Guide Version 1.2

**Note: Secure your keys. You have 2, and they are difficult to replace. They are necessary for both removing AND installing your battery.**

### Introduction:

This is an assembly guide only. It does not include installation of optional accessories such as lighting, seats, or fenders. This information is available through our support page, scanning the QR code above, or visiting [www.cyberbike.com/downloads](http://www.cyberbike.com/downloads). You must also refer to the Owners Manual for a plethora of information both necessary and useful, and you may also want to view supplemental assembly videos and manuals found on our Youtube Channel Support Page at [www.cyberbike.com/pages/downloads](http://www.cyberbike.com/pages/downloads) or visiting the Cyberbike Youtube.

In addition to carefully following all assembly procedures, know this: **When your electric bike is turned on, it is *ON***, so that means you need to be ready for any torque applied to the pedal, and do not attempt to service the eBike in any way with the power turned on! Certain authors of certain Cyberbike manuals have been known to damage their fingers in the chainring while neglecting such warnings. Allegedly.

**NOTE: Be careful of sharp staples on box!** We recommend wearing work gloves for all assembly and maintenance tasks. At Cyberbike, safety is very serious. Please refer to a professional if you are—IN ANY WAY— not certain of your capabilities to perform the following instructions. Always make sure you have the latest revision by visiting [Cyberbike.com/downloads](http://Cyberbike.com/downloads).



Welcome, and thank you for choosing Cyberbike, the eBike that Shreds! The engineers and management at Cyberbike have decades of experience in Design, Development and Manufacturing in the Bicycle, Motorcycle, and Automotive industries. That experience is what led to all that that lies ahead for you in the enjoyment of your new Cyberbike.

Please fully review the instructions below before enjoying your first ride. If you are not mechanically inclined and experienced or in any way doubt your capabilities to follow these instructions, it is important that a qualified bicycle mechanic/technician assemble and tune your eBike before riding, and be employed to properly MAINTAIN your Cyberbike going forward. With proper care and maintenance, your Cyberbike will provide many years of enjoyable transportation and adventure.

**Don't be afraid to consult a professional— by asking questions you will learn a lot from the experts, and this knowledge will make your ownership experience more enjoyable and satisfying.**



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Remember, this is a motorized vehicle, and you and anyone you allow to ride your Cyberbike are fully responsible to ensure that it is in safe operating condition. These vehicles require regular inspection and maintenance, and you should check for the operability and condition of all key components **before every ride**, or throughout the day when riding on rough terrain. These systems that you are responsible for include drive chain, gears, cables, and shifters, tires, wheels, braking systems, seating, and all related hardware and controls. Cables stretch and bolts loosen over time and use; parts wear. **Inspect your bike regularly!** Repair any crash or incidental damage before riding again.

Please wear the appropriate protective gear for your type of riding- a quality helmet and gloves at the very minimum- and adhere to all local, state, and federal regulations applicable to your ride.

**We endorse gear from Kali Protectives.**

**Safety means fun! Enjoy your Cyberbike!**

## **Torque Specifications and Hardware Safety**

Thank you for choosing Cyberbike, the eBike that Shreds! To ensure your safety and the proper functioning of your electric bicycle, it's essential to follow the torque specifications provided in this manual and exercise diligence when assembling and maintaining your bike. Please read and understand the following guidelines regarding torque specifications and hardware safety:

### **1. Torque Specifications:**

**General Torque Guidelines:** This assembly manual includes general torque specifications for various hardware components on your Cyberbike. These specifications are provided as guidelines to help ensure the correct tightness of fasteners.

**Manufacturer's Recommendations:** Please note that specific bicycle components may have their own torque recommendations provided by the component manufacturer. Always consult these manufacturer guidelines when available.

**Using a Torque Wrench:** We strongly recommend using a torque wrench to tighten all hardware to the specified torque values accurately. This helps prevent over-tightening, which can damage threads, or under-tightening, which can result in loose components.

**Locktite and Threadlocker:** In many cases we use thread-locking chemicals and it may be advisable to use thread-locking compounds such as Locktite to secure critical fasteners when reinstalling or servicing your bike. Always follow the instructions provided by the thread-locking compound manufacturer.

### **2. Hardware Safety and Maintenance:**



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**Regular Inspections:** After initial assembly, it is essential to periodically inspect your Cyberbike for loose or damaged hardware. Even with proper torque specifications, vibrations and usage can cause fasteners to loosen over time.

**Key Hardware Components:** Certain hardware components, such as handlebar clamps, stem bolts, brake lever mounts, and other critical parts, should be assembled to exact torque specifications to ensure rider safety. These components play a crucial role in the bike's stability and rider control.

**Safety Disclaimer:** While we provide guidelines and recommendations for torque specifications, it is the rider's responsibility to verify that all hardware is securely tightened and to conduct regular safety checks. Failure to maintain proper hardware tightness can result in accidents, injury, or damage to the bike.

**Professional Assembly:** If you are not confident in your ability to assemble and maintain your Cyberbike correctly, we recommend seeking professional assistance from a qualified bicycle mechanic.

By adhering to these torque specifications and hardware safety guidelines, you can enhance your safety while riding the Cyberbike and prolong the life of your bicycle. Always prioritize rider safety and follow recommended maintenance practices. Failure to do so may lead to accidents, injury, or damage to your bike, for which we cannot be held responsible.

If you have any questions or concerns about the assembly or maintenance of your Cyberbike, please contact our customer support team for assistance. Your safety and satisfaction are our top priorities.

### **Handlebar Mounts (Stem and Other Accessories):**

Handlebar mounts, including stem faceplates, and other accessories may utilize M5 or M4 screws. For M5 aluminum screws, torque within the range of 3.7 to 4.4 foot-pounds (ft-lb). For M4 screws, torque specifications range from 2.9 to 3.7 foot-pounds (ft-lb).

### **Handlebar-Mounted Hydraulic Disc Brake Levers:**

Hydraulic disc brake levers play a vital role in ensuring safe braking, thus it's essential to adhere to the specified torque settings. For M5 screws utilized in brake levers, torque them within the range of 3.7 to 4.4 foot-pounds (ft-lb).

### **Shifter Levers:**

When dealing with shifter levers, the torque settings for M4 screws vary based on the brand and model of the shifter. For M4 screws, adhere to the torque range of 2.9 to 3.7 foot-pounds (ft-lb), ensuring secure installation.



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### Suspension Hardware:

All Cyberbike rear suspension mounting hardware employs M6 screws. It is recommended to torque these screws within the range of 6.6 to 7.4 foot-pounds (ft-lb), with or without the application of a thread-locking agent for added security.

## Assembly

**Note: Secure your keys. You have 2, and they are difficult to replace. They are necessary for both removing AND installing your battery.**

Many of these instructions may be found in video form on our website and Youtube Channel. Check [Cyberbike.com/techtips](https://www.cyberbike.com/techtips) for the latest versions of these and other useful instructions.

### Step 1: Unboxing and Front Wheel Assembly Removal

**Tools required:** Strong wire cutter or scissors.

**Caution: Be mindful of sharp staples on the box.**

Carefully open the box, ensuring not to damage its contents or yourself on any sharp staples.

Locate the zip-ties securing the front wheel to the main assembly within the box.

Using a strong wire cutter or scissors (avoiding razor knives), carefully clip the zip-ties to release the front wheel. Take care not to damage any components during this process.

Alternatively, you may choose to completely open the box to access the contents.

Once the front wheel is released, remove it from the box and set it aside for later assembly. Take care to avoid damaging the brake disk or any other components exposed outside the box.

Once the front wheel is set aside, locate and clip any zip-ties securing the seat post/seat assembly.



### **Step 2: Removing the Bike Assembly from the Box**

**Tools required:** Strong wire cutter or scissors.

Remove the bike assembly from the box, ensuring to support the handlebars which are usually loosely zip-tied to the main frame assembly.

We recommend using a bike stand to mount the main "Seat Tube" portion of the frame, just above the rear suspension linkage. This ensures stability during assembly.

Alternatively, you can lay out a pad or blanket to prepare the bike for assembly. If a bike stand is not available, manually support the bike while performing the next steps. Alternatively, you can enlist the help of another person to assist with holding the bike steady during assembly.

Take care not to strain yourself and prioritize safety throughout this process.

### **Step 3: Handling the Battery**

**Tools required:** Strong wire cutter or scissors.

#### **A. Removing and Securing the Key:**

Clip the keys off the handlebar using a strong wire cutter or scissors. The key is **necessary** for removing and installing the battery, but is not required to operate the bike.

**Note:** The battery can be easily charged while on the bike, so unless you're swapping batteries or charging separately, there's no need to remove it. For security, separate the keys and store them in a safe place. Some users prefer to use a zip tie to re-secure one key to the handlebar for easy access.

**Important:** Never ride the bike with the key in the lock, as this can result in the bike shutting down unexpectedly and/or damage the locking mechanism.



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### B. Removing and Reinstalling the Battery:

If you wish to remove the battery for charging or to reduce the weight of your Cyberbike during transportation, follow these steps:

- a. Insert the key into the lock and turn it counterclockwise. The battery will release partially with a click.
- b. While supporting the battery, push the release button to lower the battery directly down and forward.

To reinstall the battery, align the battery connector terminals rearwards towards the motor before lifting the front portion of the battery and engaging it to lock into place. You will need to turn the key while clicking the battery into place near the forward end of the battery tube.

**Battery Charging:** Charge your battery fully using the included smart charger. **Note:** Storing your eBike battery for long periods with the battery fully charged or fully discharged will lessen its life somewhat. Batteries typically don't ship fully charged for this reason but should provide many miles of riding right out of the box if you can't wait to enjoy your new Cyberbike!

### Step 4- Leftover Packaging Removal

**Tools required:** Strong wire cutter or scissors

Clip remaining ties, removing all remaining foam packaging and protection,.. Be careful not to scratch your paint. Some small scratches and paint defects may occur in the manufacturing and transportation of your Cyberbike. Because Cyberbikes are designed for more rugged terrain than many, lesser eBikes, minor scratches come with the territory! We do offer matching touch paint in our parts store at [Cyberbike.com](http://Cyberbike.com)

### Step 5: Handlebars



**Tools required:** Strong wire cutter or scissors; 4mm Hex/Allen wrench; Torque wrench

**Note:** If your bike is not on a bike stand, these steps may be done with the bike on its side, laying on a blanket or pad until installing the front wheel and using the included side-stand. (We don't recommend using grass because the hardware may get lost.)

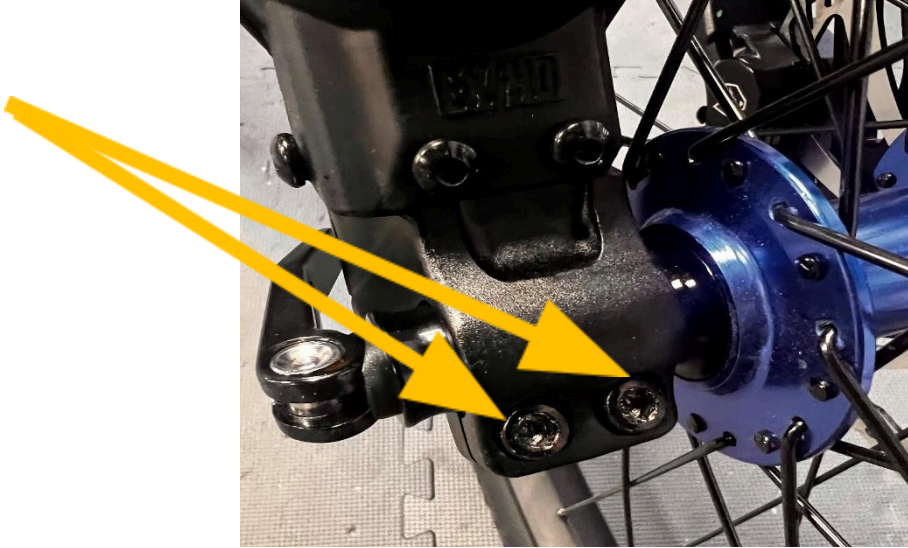
Remove the (4) 4MM Hex/Allen bolts holding the front handlebar clamp on the Stem and secure them in a safe location. You will reinstall them in a moment, so keep close at hand. **Don't lose them.** Place the handlebar into the stem and roughly center it. Replace the outer clamp, reinstalling the 4 bolts that you didn't lose. If you didn't lose them, skip ahead. If you lost them, you now must drag your sorry ass to the hardware store and get "M5 x 20mm stainless hex head bolts" for the steering stem on your Cyberbike, when you'd rather be riding your new Cyberbike! Call our support line for further ridicule. Just kidding, we've all done it. These screws should be easily found at any reputable hardware store, take one you didn't lose so you can ensure you're getting the right size.

Next, align the handlebar with markings inside the "window" on the steering stem cap and tighten the 4 bolts you didn't lose to approximately 4 Nm, or 3 foot pounds. We realize many people do not own a torque wrench, but your Cyberbike *is* a motorized vehicle. Therefore, proper torque of important hardware and components is necessary to ensure maximum safety. Your local bike shop or mechanic will also be a good source of service, assembly and maintenance if you are not sure what you are doing. **Again, don't be afraid to consult a professional— by asking questions you will learn a lot from the experts, and this knowledge will make your ownership experience more enjoyable and satisfying.**

### **Step 6: Front Wheel installation**

**Tools required:** Strong wire cutter or scissors. 5MM Allen Head/ Socket Head wrench (for Raptor)

**PLEASE NOTE, YOU MUST TIGHTEN AXLE CLAMPS USING 4 ALLEN HEAD BOLTS, 2 ON EACH SIDE OF AXLE, AFTER INSTALLING AND TIGHTENING FRONT AXLE.**



A great feature found on all 2025 Cyberbikes is the “Boost” axles. It is the latest in performance hardware, an integral part of the chassis of your Cyberbike. Combined with the wider, tubeless-ready wheels; high performance, all weather Maxxis Forekaster tires; and Wolf 34mm diameter forks with myriad suspension adjustments, your Cyberbike matches specs with some of the most expensive All-trail eMTBs in the segment.

To install your front wheel and axle into the forks, first remove all packaging material and recycle it (just kidding, that foam isn’t recyclable, but we try to re-use as much as possible and are quite successful with that effort. Otherwise our packaging would be an environmental disaster.) Hey, you’re not running a two-stroke motocross bike this weekend, you’re on an eBike, so you are a part of the Solution. Be proud!

**AGAIN- WATCH OUT FOR SHARP STAPLES ON THE BOX! You should be wearing your work gloves, anyway.**



### Installing the Front Wheel:

Once the packaging is removed, unscrew the front axle from the front fork and remove the brake caliper spacer. **Note:** the 2024 assembly video in the downloads section of our support page shows the location of these parts (stay tuned for the 2025 version!). Now, insert the wheel between forks and align the holes on the

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wheel/spacers with the holes in the forks. **CAREFULLY** align the brake rotor (located on the wheel) into the front brake caliper (on the fork) from the right (non-disk) side. It should fit easily, but **if there is slight rubbing when spinning the front wheel, we will adjust the brake caliper** (see below, only if necessary). Rotate the axle using its crank handle (handle can be pulled out, counter-rotated and re-engaged to tighten). Rotate the crank handle clockwise by hand until tight.

**For Raptor model make sure you tighten your axle clamps, there are four bolts, 2 for each clamp and these are tightened after installing and securing the front axle. These are unique to the heavy-duty, motocross-type inverted front forks on your Raptor and provide unmatched control and rigidity.**



### Adjusting Brake Calipers:

Now is the time to make sure your brake calipers are aligned, by using the oval screws on the mounting brackets. If your wheel is mounted and tightened correctly and straight, and you get what seems to feel like intermittent rubbing on the disk, the slotted mounting points on the brake calipers allow you to loosen the caliper mount slightly, engage the brake lever, and position the caliper to clear the brake disk slightly between the brake pads and either side of the brake rotor. Tighten and

recheck for alignment. A little rubbing is natural, especially when new, but if you hear a coarse or grinding sound when the wheel turns, immediately check this important system. **Do not ride until you are certain it is adjusted and operating correctly. See these pictures or consult a professional before riding if you are not certain about the adjustment or operation of your brakes.**



## **Step 7: Pedal installation**

**Tools required:** 16mm or adjustable crescent wrench

**The first (and arguably, most important) step in pedal installation is identifying which is the left vs. right pedal.** There will be a small “L” or “R” on the pedal that will tell you which is which. Install pedals by threading into cranks—**they are not identical! The left pedal threads counterclockwise.** Use a large allen head from the inside (Preferable) or a wrench from the outside to thread and tighten the pedal. Many customers have stripped out their left crank’s pedal threads. Then they call and tell us it came that way. We say, “sorry” and send a new crank at no charge. Don’t do that, we have like 20 extra right cranks now.

Tighten fully using your 16mm wrench from the outside, **or the pro method of using a 10mm allen from the inside if you have our Cyberbike Pro pedals, available in our Parts Store at [Cyberbike.com/parts](https://www.cyberbike.com/parts)**

## **Step 8: Seat, Cable routing and personal adjustments**

If you’ve never had a dropper seat before, you will probably find this feature to be a significant improvement in performance and convenience. For 2025, all Cyberbike First Editions come with a dropper seat already installed, but sometimes they need an adjustment, which can be a bit tedious, so we have produced an Oscar-winning short video that better explains this. For instructions on the operation and installation of the dropper post, please visit the “Tech Tips” link at the Cyberbike Support page, or by scanning above QR code

Once complete, you will want the seat height so your legs should not be quite fully extended (approx 10 degree bend) when the pedal is at the bottom lowest of the rotation of the crank. It is also a personal choice.



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### Step 9: Personalize your cockpit

**Tools that may be required:** 2.5, 3, 4, and/or 5mm Hex/Allen wrench

This next step is where you adjust the position of the brake levers and control module on the bars, and adjust the reach of the brake levers for your own liking. Your Cyberbike offers customizable positioning of levers and controls, along with the seating. You may loosen, adjust, then retighten the pinch bolts and clamps which hold on your grips, levers, control head (power and settings buttons) display. **Adjusting your “cockpit” to fit your size and comfort zone is important to maximizing your control of your Cyberbike!**

## Wolf and Cyberbike Hydraulic Brake Documentation

### 1. Pad Break-in Procedure

To ensure optimal performance and rider safety please abide by the following instructions.

#### Pad Types

**Semi-Metallic (Red Backed):** The semi metallic compound will bed in quickly operate with minimal noise but may wear quickly in wet conditions compared to a full metallic compound. These pads are best for riders looking for minimal noise, riders in dry conditions, or riders looking for optimal modulation.

**Full Metallic or Sintered (Copper Backed):** These pads may generate more noise when cold. Once heated up during use they should be relatively quiet. These pads will offer more bite, higher optimal operating temperature, and longer pad life over semi-metallic pads. Metallic pads are optimal for riders looking for maximum braking performance, riders in wet conditions, riders looking for maximum pad life, or riders looking for more bite/power.

#### Rotor Types

**1-piece:** Offered in 6 bolt only these rotors offer a lower cost and lower weight in 140/160mm configurations. In the 180/203mm configurations these rotors will be heavier and less stiff compared to a 2-piece rotor.

**2-piece:** Offered in both 6 bolt and centerlock. Due to the alloy center carrier 2-piece rotors will offer riders the lowest possible operating heat and be the stiffest rotor option possible. In addition, these will be the lightest option for 180/203/223mm rotors.

#### Pad/Rotor Bed in Procedures



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1. Before beginning it is important to note TRP/Tektro rotors use a harder steel that may require a slightly more extensive bed in process than other manufacturers but they offer longer life. Please also note the pad type used as metallic pads require a longer bed in process before being ready to ride. Proper pad/rotor bedding is key to brake performance over the life of the pads and rotors. Failure to follow these procedures will result in poor brake performance for the life of the pads.
2. The following procedures are for new rotors and metallic pads. If using semi-metallic pads or used rotors, the bed in procedure may be quicker. For optimal brake performance it is best to follow complete instructions.
3. Begin by installing rotor and pads. Be careful not to touch the braking surface of the rotor or pad to avoid contamination. Also the rotor may heat up during the bedding process do not touch the rotor as it could be hot resulting in a burn or bodily harm. If a used rotor is being matched with new pads be sure to clean the rotor with isopropyl alcohol and clean shop towel before installing pads.
4. Once pads and rotors are installed take your bike to a flat area clear of obstacles. Then pedal your bike up to 15mph (24kph). Brake using the front brake only until you decelerate to 5mph (8kph) and release the brake. Be careful not to engage the brake hard enough to stop the front wheel or lift the rear wheel off the ground. Stopping the wheel with the brake engaged will hold a hot pad to a hot rotor and can cause pad glazing which reduces brake performance. Repeat this process for 10 up to 20-25 times or until full brake power is achieved. Remember you are trying to gently brake in your brake pads without cooking them.
5. Once you have successfully bedded in the front brake repeat the process with the rear brake. When decelerating with the rear brake be careful not to stop the wheel from spinning or skid intentionally so as to lose control. Hydraulic brakes are powerful!

### **Source:**

<https://trpcycling.com/wp-content/uploads/2018/03/Pad-and-Rotor-Bedding.pdf>

## **2. Brake Caliper Adjustment**

**This should be done when initially installing the bike. It may take you more than one attempt to get perfect alignment, It is your responsibility to properly adjust or have professionally adjusted your brakes. It is also your responsibility to know your limitations of a motor vehicle that, when powered by you and or the mid-drive electric motor, along with the forces of gravity and centrifugal forces, result in serious power. Your brakes on your Cyberbike are also very capable, but you still must learn to apply, modulate and control them**

### **Ready to ride?**

Wait! Have you read your operators' manual? There are instructions in there on how to better– and more safely– enjoy your Cyberbike, you should read it before shredding.

**First and foremost Let's go over how to operate the brakes and power systems of your Cyberbike.** The most important part of your bike, once it is assembled correctly and ready-to-ride, is the braking systems, and it is



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critical that you know and are fully comfortable operating these powerful hydraulic disk brakes, and that they are adjusted and operating. Quiz question: what's most important? If you said, "brakes," you are correct. You may now turn on your bike!

**Caution:** when the bike is on and the power level is at "1", "2", "3", "4" or "5", rotating the crank at all via the pedal, ANY AMOUNT, will result in forward movement from the powerful motor system on your Cyberbike. Be ready! and get accustomed to it. Make sure you fully inform anyone who might touch your Cyberize of these details, for everyone's safety.

OK, now, let's turn on your Cyberbike by holding down the power button on your control head, mounted on the left handle bar. Your Cyberbike should start at "0" power level, and this is a good place to start, if not level "1". You will be tempted to focus on the voltage display, the power settings or your speed on the display. Your safest and best performance will be with "EYES UP" at all times, and "level pedals" whenever coasting or navigating turns and trails.

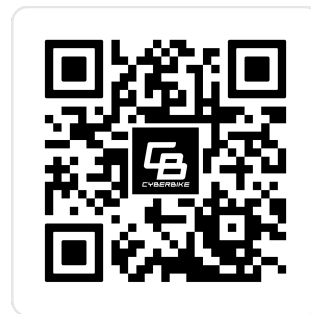
We thank you for choosing Cyberbike, and look forward to your valued feedback.  
Ride safe and have fun!

## Maintenance.

### There are many aspects to eBike Maintenance, here are a few:

1. Try to not store your battery for long periods fully charged or depleted, 40% is optimal for storage 2. Avoid storage in excessive heat or cold. Remember your Cyberbike battery will perform a little less efficiently in temperature extremes.
3. Keep your brake rotors clean of oils and debris. Contamination may require replacement of brake pads.
4. You or your bike mechanic should regularly check all hardware, along with brake systems
5. Do not ride with damaged brakes, wheels, gearing, shifting components, or with damaged controls, or to wires or electrical components. This is important.
6. Spokes. Adjusting spokes and truing the wheel are best left to professionals until you are adept at such maintenance.
7. For more advanced derailleur adjustments, we recommend Park Tools excellent online videos for self-service.
8. We recommend an appropriate torque wrench for bicycle service, along with a variety of other useful– and sometimes necessary– tools for proper Cyberbike maintenance

Thank you for choosing Cyberbike



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