

Introduction:

Notice: Please check your crank bolts. These should be secured with a torque wrench and lock-tite or another blue threadlocker. In our ongoing commitment to ensuring the safety and performance of our products, we are issuing this service bulletin to inform all 2024 Cyberbike owners of the importance of inspecting and tightening specific crank bolts on your eBike. One of the most important tasks when performing this final assembly and throughout the ownership of your Cyberbike is to confirm the integrity and tightness of key hardware. It has come to our attention that some crank bolts were not torqued sufficiently at the factory. Therefore, there is a possibility of loosening of certain crank bolts over time. To mitigate any potential safety hazards and ensure optimal performance, we strongly recommend that all Cyberbike owners perform the following inspection and tightening procedure:

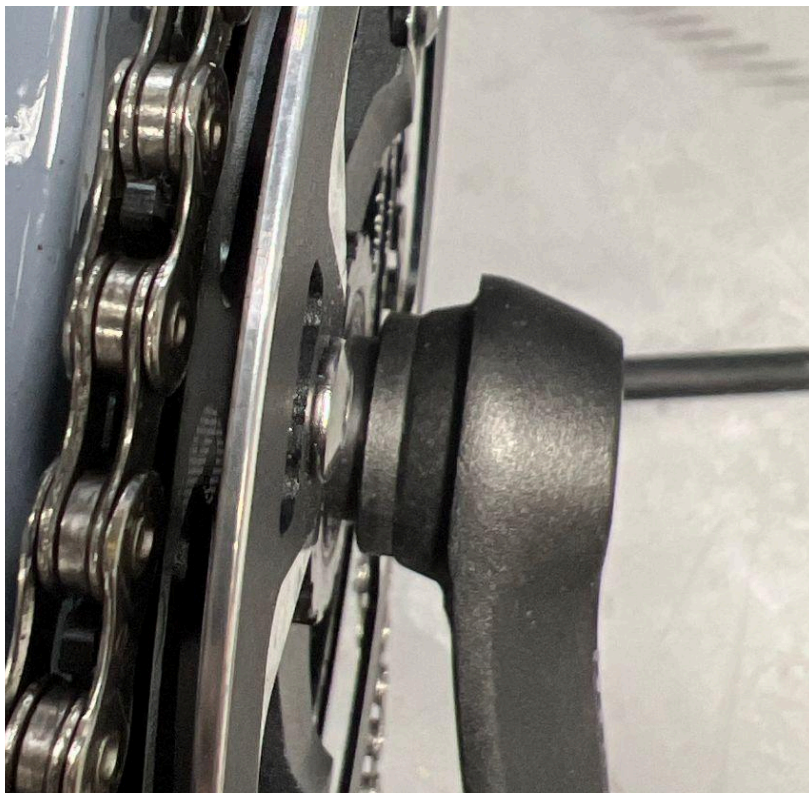
Procedure (see images below):

- Obtain a calibrated torque wrench.
- Locate the crank bolts on your Cyberbike. These bolts are used to secure the crank arms to the motor.
- Using the appropriate 8mm Allen wrench, carefully tighten each crank bolt to approximately 40 Nm/30 ft-lbs of torque. Ensure that you apply the torque evenly and gradually to avoid damage to components. You will see the crank seat more fully as the bolt is tightened on the somewhat conical shaft of the motor spindle. Blue Lock-tite or similar threadlocking agent is recommended but required if bolts are tightened to the efficient torque.
- While this is the only such issue currently noted, after tightening the crank bolts, also double-check the tightness of other critical fasteners and components on your Cyberbike, including suspensions linkage. Like any motorcycle or bicycle, you should periodically check the critical hardware.
- If you encounter any difficulties during the inspection or tightening process or if you have any questions regarding this service bulletin, please do not hesitate to contact our customer support team for assistance.
- Your safety and product enjoyment are our top priorities, and we appreciate your cooperation in ensuring that your Cyberbike remains in optimal working condition. Thank you for choosing Cyberbike.

Incorrect:



Correct:





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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 or emailing support@cyberbike.com for fast and personalized assistance from the Cyberbike Customer Support Team



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.

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



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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.

Loctite and Threadlocker: In many cases we use thread-locking chemicals and it may be advisable to use thread-locking compounds such as Loctite 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:

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.



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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):

M5 screws are commonly used for handlebar mounts, stem faceplates, and other accessories. Torque specifications for M5 aluminum screws typically range from 5 Nm to 6 Nm. Some stem and handlebar mounted controls hardware will use For M4 threads, and for M4 screws, use 4nM to 5 Nm

Handlebar-Mounted Hydraulic Disc Brake Levers: Hydraulic disc brake levers are critical components, and it's crucial to follow the torque specifications. Torque settings for M5 screws used in brake levers 5 Nm to 6 Nm (42 in-lb to 53 in-lb).

Shifter Levers: For shifter levers, the torque settings for M4 screws will depend on the specific brand and model of the shifter. For M4 screws, again, use 4-5 Nm

Suspension Hardware. All Cyberbike rear suspension mounting hardware uses M6 screws and the recommended torque setting with or without thread locking agent is 9 to 10 Newton-meters (Nm).

Assembly

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.

Tools required: Strong wire cutter or scissors

Be careful of sharp staples on box! The first thing to do when you open the box is, using a wire cutter, clip the zip-ties which hold the front wheel and brake disk to the main assembly while it is still in the box. Alternatively, you may completely open the box. Remove the wheel and set aside. Do the same for the seat post/seat assembly by clipping the ties. Be careful to not damage the brake disk while it is exposed off the bike.

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Step 2:

Tools required: Strong wire cutter or scissors

Again being cautious of those damn staples (your author cut himself), remove the bike assembly from the box, careful to support the handlebars which should be loosely zip-tied to the main frame assembly. We recommend a bike stand, which you may use to mount the main "Seat Tube" portion of the frame, just above the rear suspension linkage. Alternatively, lay out a pad or blanket to prepare the bike for assembly, or support manually while performing step 5 below, or recruit another set of hands to assist.

Step 3:

Tools required: Strong wire cutter or scissors

A.) Clip the keys off the handlebar. The key is required only for *removing* the battery, and is not necessary to operate the bike. The battery may be easily charged while on the bike, so unless swapping batteries or removing the battery to charge separately, there is no need to remove the battery at all. For the most security, separate the keys and keep them in a safe place. Many people use a zip tie to re-secure one key to the handlebar, so it is always available. **DO NOT RIDE THE BIKE WITH THE KEY IN THE LOCK, THIS CAN RESULT IN THE BIKE SHUTTING DOWN UNEXPECTEDLY, AND/OR DAMAGE THE LOCKING MECHANISM.**

B.) If you do wish to remove the battery for charging, or to reduce the weight of your Cyberbike during set-up, follow these steps: Insert the key into the lock, turn counter clockwise. The battery will release one click. Then, turn the release lever while supporting the battery to lower the battery directly down and forward. To reinstall the battery, start by aligning the battery connector terminals rearwards towards the motor before lifting the front portion of the battery and angling to lock into place. Charge your battery fully using the included smart charger. Remember, as with most Lithium Ion batteries, storing your eBike battery for long periods with the battery fully charged or fully discharged will lessen its life somewhat. Batteries never ship fully charged for this reason, but should provide several miles of riding right out of the box if you don't want to wait to enjoy your new Cyberbike!

Step 4

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!

Step 5: Handlebars

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

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

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installing the front wheel and using the included sidestand. (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. You will reinstall them in a moment. Don't lose them. Put them in a pocket or in a tray. Don't lose them. Place the handlebar, centered into the stem and replace the outer clamp. Reinstall 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 adjustable stem on the Mullet, when you'd rather be riding your new Cyberbike. You dumbass, I told you not to lose them. Call our support line for further ridicule. Just kidding, we've all done it.

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

A great feature found on all 2024 Cyberbikes is the "Boost" axles. It is the latest in performance hardware, really an integral part of the chassis of your Mullet Pro. 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 Mullet 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 still be wearing your work gloves, anyway.

Your front wheel spacers are installed in your front wheel hubs. They may have become disengaged during shipping. If so, replace them in the wheel as shown. Remove spacers by clipping zip ties and reassembling them on either side of the hub. We get a lot of questions on this: it's a tight fit! You may need to gently pull the forks apart to get the wheel in, and if you've squeezed the brake handle you may need to gently pry apart the brake disks with a large, flat plastic scraper or other similarly-shaped tool. Make sure the captive nut is retained in the rotor-side of the fork.

The stepped spacer fits through the large washer, which then sits FLUSH against the wheel bearing. Don't worry about the

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alignment of the internal tube, and you may have to straighten it. The bearings may need to seat after the first time you install the wheel, but this will happen as you tighten the axle. Here are some detailed pictures to help:



3



Now, insert the wheel between forks and align the holes on the wheel/spacers with the holes in the forks. CAREFULLY align the brake rotor into the front brake caliper. from 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 using handle (handle can be pulled out, counter-rotated and re-engaged to tighten) Rotate crank handle clockwise by hand until tight.



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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 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 and **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.**



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Step 7: Pedal installation

Tools required: 16mm or adjustable crescent wrench

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

Tighten fully using your 16mm wrench from the outside, **or the pro method of using a 10mm allen from the inside.**

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. Installation is not long, but 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 top of any page at www.cyberbike.com.

Once complete, you will want the seat height so your legs should not be quite fully extended (approx 10 degree bend) when the



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pedal is at the bottom lowest of the rotation of the crank. It is also a personal choice.

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

- 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**



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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 in 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 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 up to 20-25 times or until full brake power is achieved.**
- 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.**

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 you responsibility to proper 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 ready 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 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.



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

Maintenance.

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.

