

CYCLEBOARD

INITIAL SETUP

& Owners Manual



X-QUAD 3000

REVOLUTIONIZE YOUR OUTDOOR ADVENTURE

www.cycleboard.com

Visit www.cycleboard.com/manuals & download the complete owner's manual for your specific model.

⚠ Reminder: Please read the entire owners manual & all safety / warning labels thoroughly before attempting to operate your specific model.

For complete guide & how-to-videos, scan the QR code with your Smart phone or visit: cycleboard.com/helpdesk



Package Contents

The X-Quad and wheels, motors and hardware will ship separately in two different boxes. **The main box will include:**

- X-Quad 3000
- Quick Start Guide
- 60V 3.5ah Smart Charger Base
- Standard 3-Prong Power Cable

The second box will include:

- 2 Front Wheels
- 2 Rear Wheel/Motors
- 1 Front Hardware Bag
- 1 Rear Hardware Bag

Please inspect the contents for any damage that may have occurred during shipping. If anything has been damaged, contact us for replacement or repair.

Unpack your X-Quad Boxes

When you open your X-Quad you should see the protective foam and wrapping. Start removing the protective foam padding and plastic covering the X-Quad and the front and rear suspension. Remove all 4 fenders and place them aside. Remove the two inner boxes. One will be empty and the other will contain your charger, and quick start guide, and rear handle.

Unpack the secondary box containing your front wheels / drum brakes, rear wheels / motors, and the front and rear hardware bags.

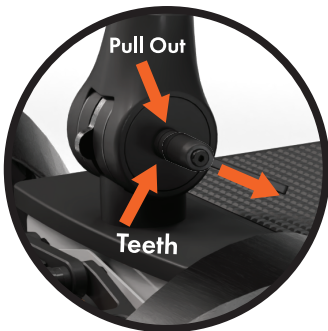
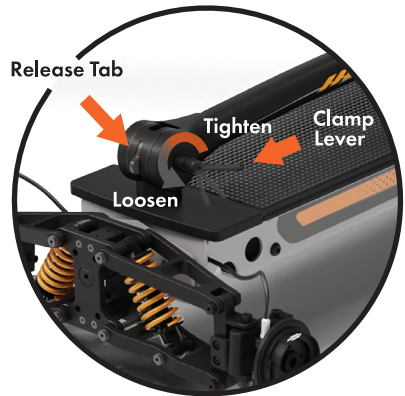
Unfold / Raise the Handle

Now that you have the top layer of protective wrapping and foam removed, you can now lift the handle and prepare to install the handle bar top.



Locate the clamp lever on the front of your X-Quad, where the base of the handle meets the deck. You should see a small release tab / button on the base of the handle.

Loosen the clamp lever by rotating it forward. Then press the release tab downward and raise the handle to the upright position. Lift handle until you feel it lock into place. Tighten the clamp lever on the left side by rotating it clockwise until it is “very” tight & snug.



The clamp lever is **SPRING LOADED** which allows the rider to position the lever to their desired location. To rotate the clamp lever forward or backward **WITHOUT** tightening or loosening it, pull the clamp lever to the left away from the base of the handle. This engages the spring & disengages the teeth.

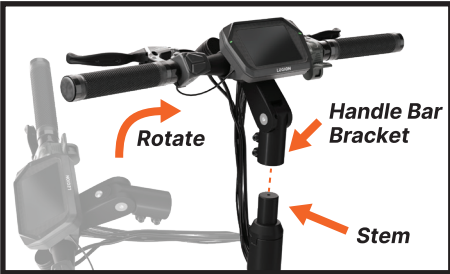
Note: If the release tab is difficult to press, gently shift the handle back & forth while pressing the release tab.

REVERSE these steps to fold the handle back down.

Installing your Handle Stem

Raised Handle View →

Once the handle has been raised, it should look like the image to the right. You are now ready to install your handle bar to the stem.



1. Align Handle Bar & Stem

Taking the hanging attached handle bar, rotate and align the bottom of the handle bar bracket to the top of the handle stem.

2. Loosen Adjustment Bolt

Using a hex wrench, loosen the adjustment bolt on the underside of the LCD. Once the bolt is removed the handle bar angle can be freely adjusted.



3. Adjust Handle Bars

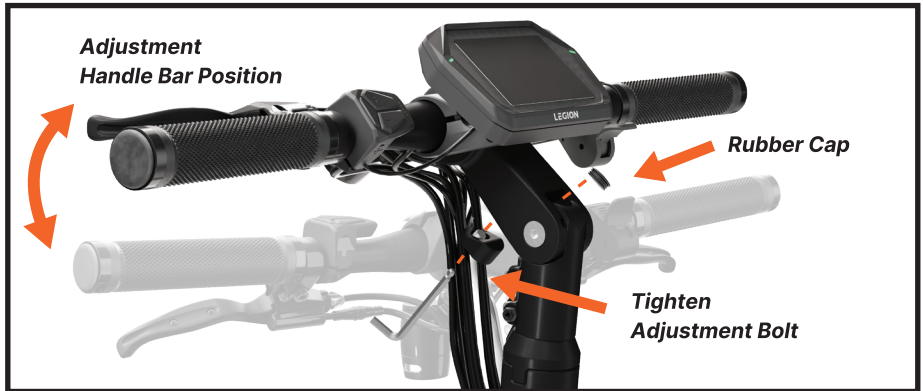
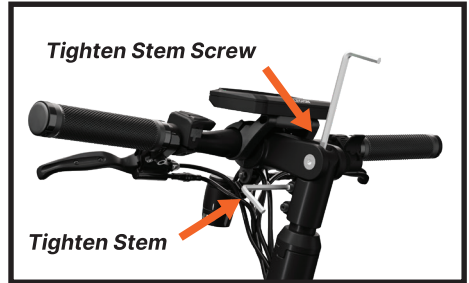
Remove the adjustment bolt and cover, then adjust the handle bar so that it lay parallel to the ground. You should now be able to see inside the top of the handle stem.

4. Tighten Main Stem Screw

Using a hex wrench, tighten the main stem screw inside the opening on the top of the handle bar. Mind the position of your handle bar before fully tightening down.



Once you have your handle adjusted correctly, tighten the front two stem bolts. Locate the plastic cap inside the front hardware bag and place it over the opening to prevent any dirt from entering.



6. Re-install Adjustment Bolt / Adjust Handle Bars

Now that the handlebar has been secured to the stem, you can now adjust the handlebar to your desired position. You can do so by moving the handlebar up (closer to you) or down (farther away from you).

Place the adjustment bolt back under the handlebar where you removed it originally. Adjust the handlebars to your desired position, then tighten fully. Remove any other protective wrapping on the handle and from inside the box.

Note: For those who like to use the X-Quad for Golf, we recommend flipping your handle stem so it angles towards the rider to allow more room for your bag in the front while using the golf bag mount.

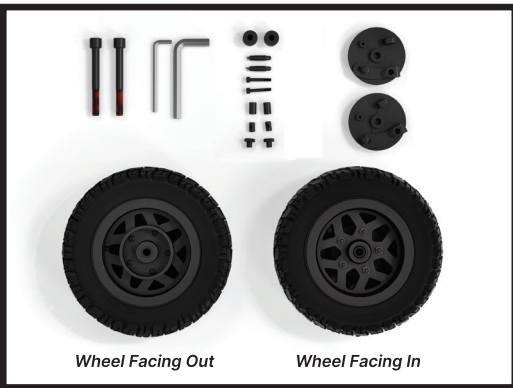
X-Quad Front Drum Brake & Wheel Installation

Lower your handle back down and remove the X-Quad from the packaging. Carefully lift the X-Quad from the box, keep the front and back protective foam attached to keep the suspension protected.



It is recommended to place the X-Quad chassis on a lifted surface to make it easier to install the rest of the items for your board. **Tip:** The box can be used as a stand by placing the X-Quad across the top with the front slightly hanging off.

We also recommend using more than one person to lift the board, as the X-Quad has significant weight and can cause injury.



Items Needed

- 2 Front Wheels
- 2 Drum Brakes
- 2 Wheel Bolts
- Hex Wrenches
- Front Hardware Bag

The hardware for your front brakes will come in 1 of 2 bags with your X-Quad. Included in the front hardware bag is:

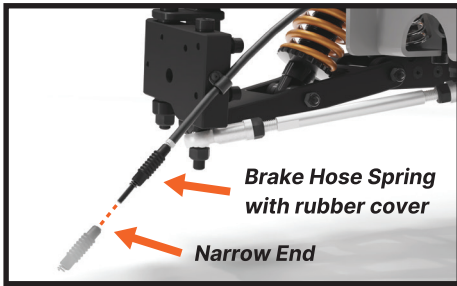
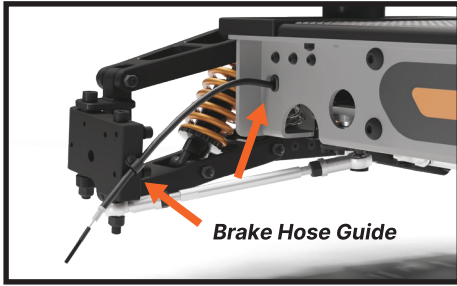
- 2 Front Wheel Bolts with Red Loctite
- 2 Wheel Bolt Spacers (Large)
- 2 Brake Hose Springs with Rubber Covers
- 2 Mounting Screws
- 2 Mounting Spacers (Small/Long)
- 2 Metal Pins with Center Holes
- 2 Brake Hose Screws

Installing the Left Drum Brake

Locate the brake hose on the left side of the front of the X-Quad Chassis.

Feed the brake hose through the brake hose guide located on the front suspension arm.

Take one of the brake hose springs with rubber covers and feed the narrow end first onto the end of the brake hose.



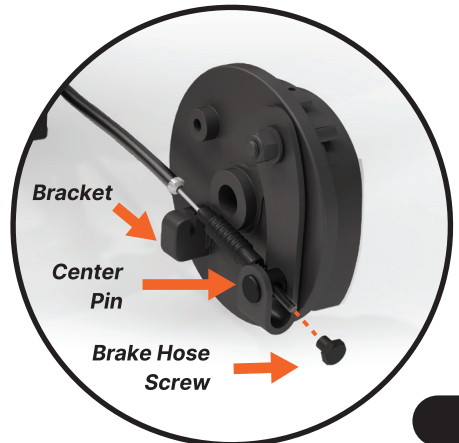
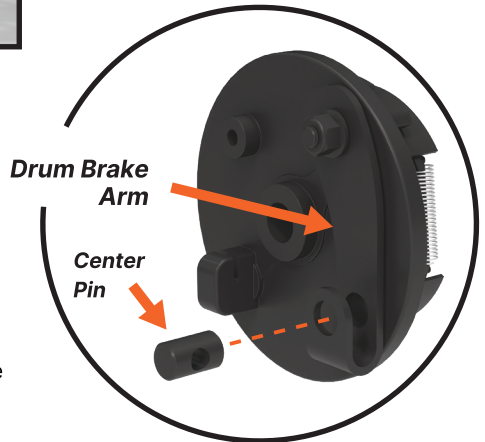
Using the metal pin with center hole and a drum brake, insert the pin into the arm of the brake, it should slide into the circular hole at the end of the arm.

Make sure that you are using the correct drum brake before installing the brake hose onto the brake.

The brake arm should be vertical and in the front when installed on the steering arm.

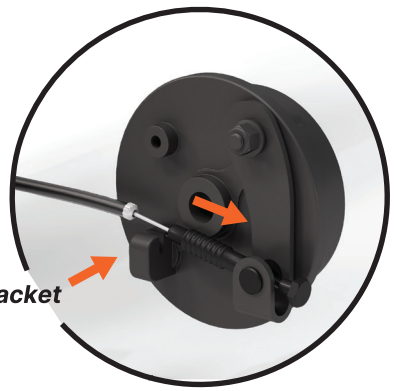
Taking your drum brake, feed the end of the brake hose with the rubber spring on it into the center hole of the pin that is now inside the brake drum arm.

Take the brake hose screw and slightly screw it onto the end of the hose.



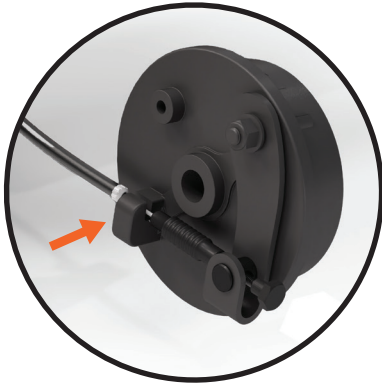
Pull the spring and rubber cover down slightly to expose the narrow metal end on the hose.

Slide the expose wire and metal piece into the bracket on the drum brake.



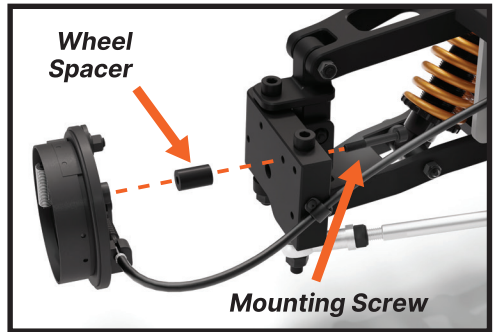
Bracket

Take one of the mounting screws and small / long spacers from your hardware set. Feed the screw through the hole in the wheel mount.



Place the spacer over the screw and slightly tighten it to the drum brake.

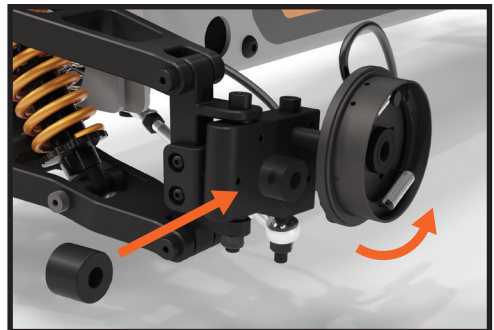
Rotate the drum brake out of the way of the hole, position the spacer behind the drum brake over the wheel bolt hole.



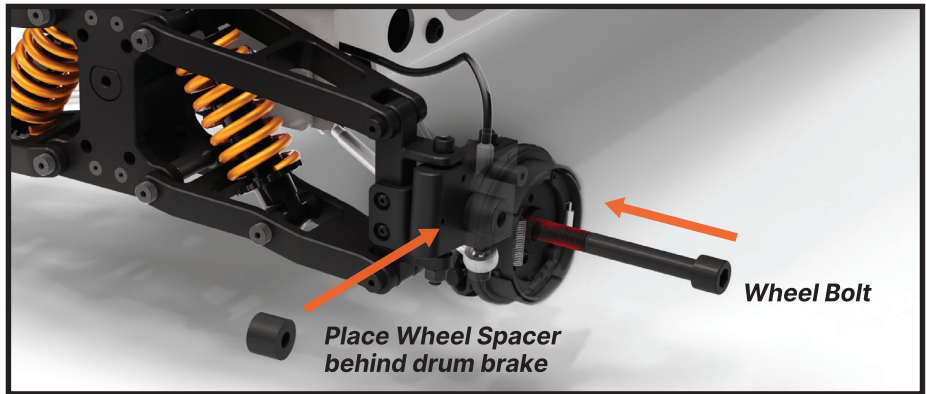
**Wheel
Spacer**

Mounting Screw

If it does not fit, loosen the mounting screw holding the drum brake in place.



A easier way to ensure the spacer is correct aligned with the hole when mounting the front wheel is to insert and slightly tighten the wheel bolt without the front wheel, then fully tighten down the drum brake from the mounting screw. This will ensure that your wheel bolt goes in smoothly and correctly aligns with the threads of the hole.



Remove the wheel bolt from the hole once the drum brake and spacer have been fully secured and tightened down.



Installing the Left Wheel

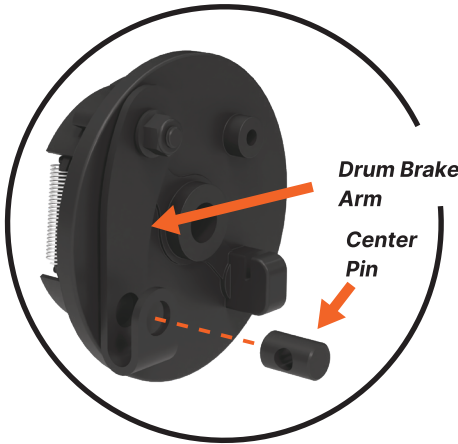
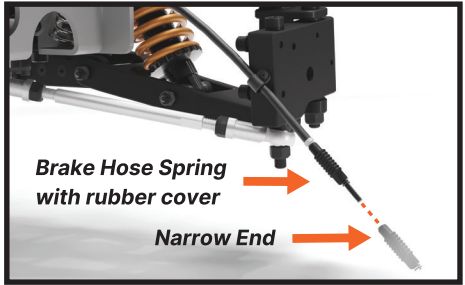
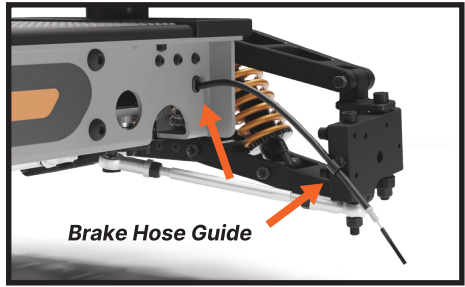
Insert the wheel bolt into the outside of your wheel, align it with the hole on the drum brake and then using a hex wrench, tighten it down the wheel until snug.

Installing the Right Drum Brake

Locate the brake hose on the right side of the front of the X-Quad Chassis.

Feed the brake hose through the right brake hose guide located on the front suspension arm.

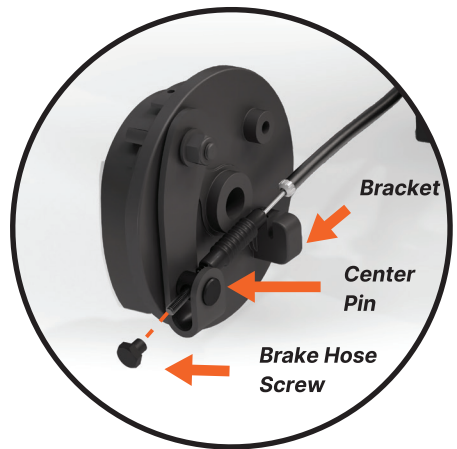
Take the remaining brake hose spring and feed it onto the end of the brake hose.



Taking the metal pin with center hole and a drum brake, insert the pin into the arm of the brake.

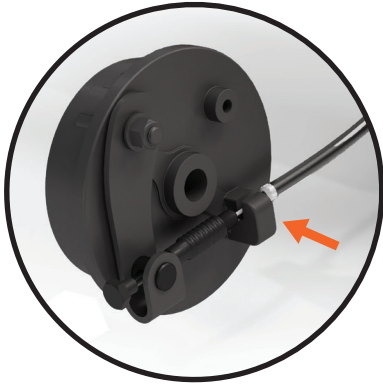
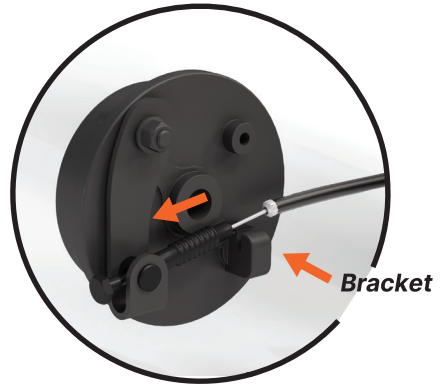
Feed the end of the brake hose into the center hole of the pin inside the brake drum arm.

Tighten brake hose screw slightly onto the end of the hose.



Pull the spring and rubber cover down slightly to expose the narrow metal end on the hose.

Slide the expose wire and metal piece into the bracket on the drum brake.

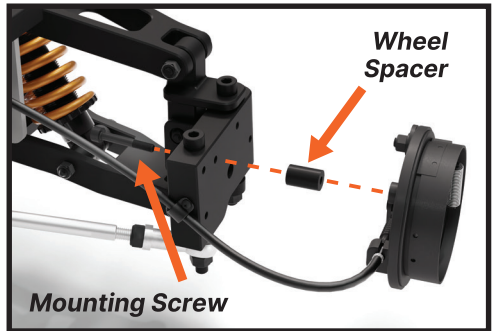


Take the mounting screw and spacer from the hardware set. Feed the screw through the hole in the wheel mount.

Place the remaining spacer over the screw and slightly tighten it to the drum brake.

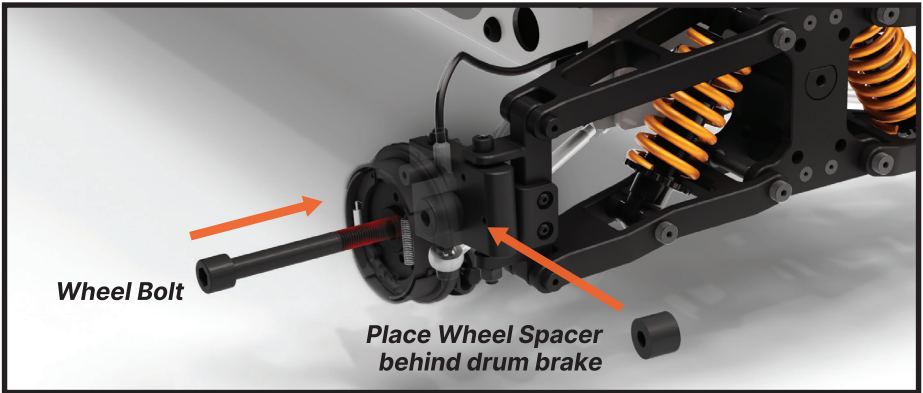
Rotate the drum brake out of the way of the hole, position the spacer behind the drum brake over the wheel bolt hole.

If it does not fit, loosen the mounting screw holding the drum brake in place.



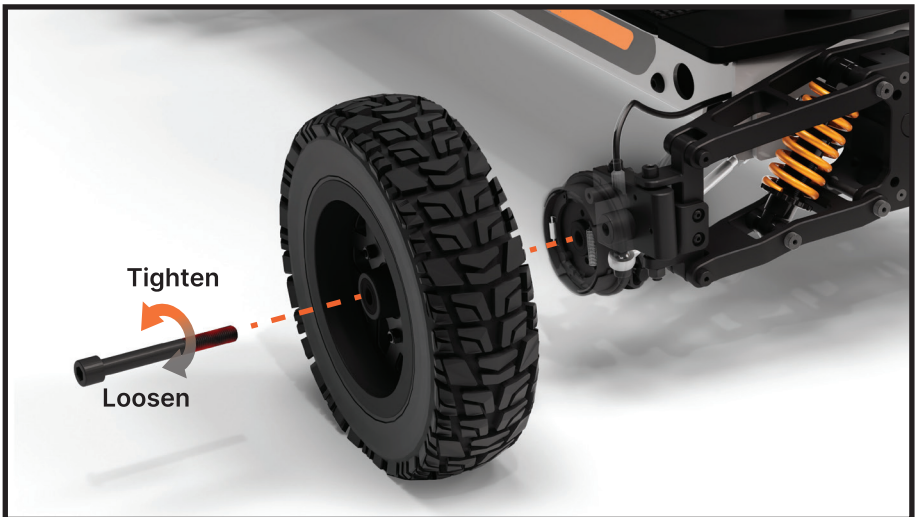
Again, an easier way to ensure the spacer is correct aligned with the hole when mounting the front wheel is to insert and slightly tighten the wheel bolt without the front wheel, then fully tighten down the drum brake from the mounting screw. This will ensure that your wheel bolt goes in smoothly and correctly aligns with the threads of the hole.

Remove the wheel bolt from the hole once the drum brake and spacer have been fully secured and tightened down.

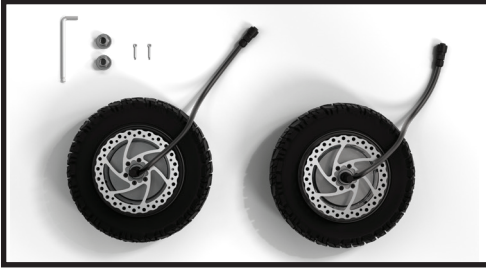


Installing the Right Wheel

Insert the wheel bolt into the outside of the right wheel, align it with the hole on the drum brake and then using a hex wrench, tighten it down the wheel until snug.



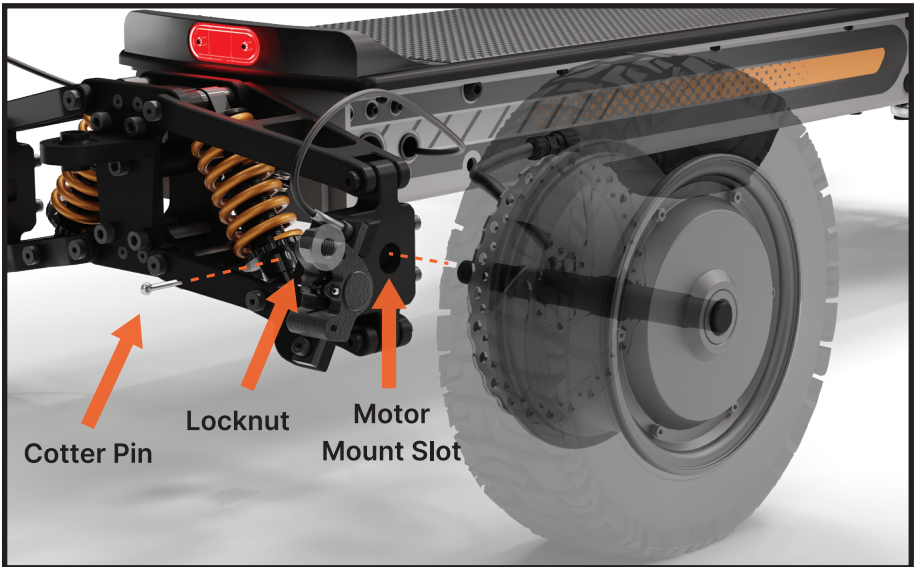
X-Quad Rear Tire / Motor Installation



Items Needed

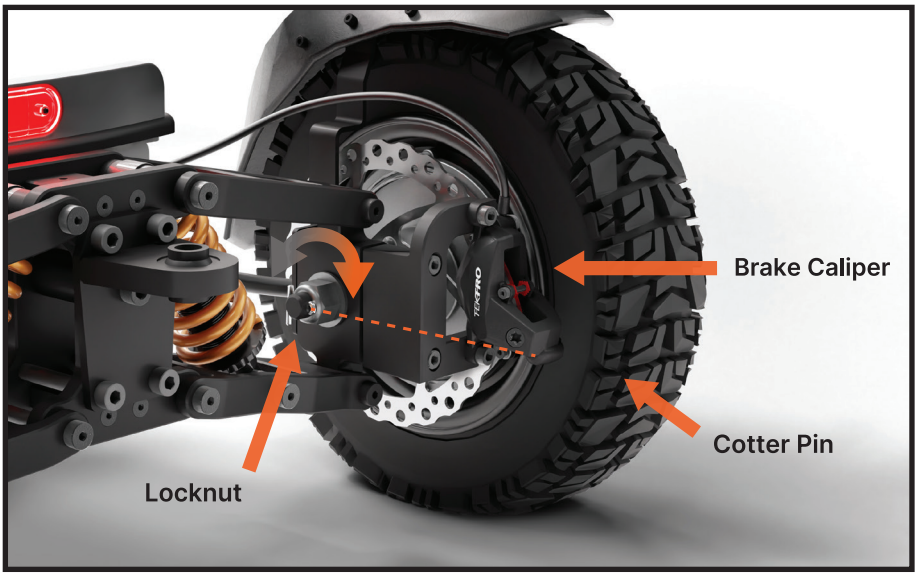
- 2 Rear Wheels w/ Hub Motors
- 2 Locks Nuts
- 2 Cotter Pins
- Hex Wrench

Once your front wheels have been installed, it is time to mount your rear motors. This will require a few extra steps, so please read through this section carefully to ensure that all instructions have been properly followed and your rear motors have been installed correctly.



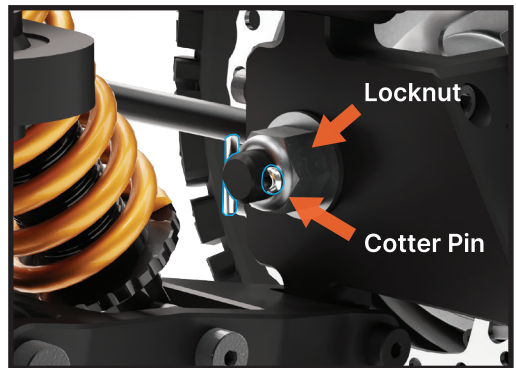
Propping the rear of your X-Quad up slide the axle of your rear wheel / motor into the motor mount slot. Ensure you slide the axle all the way through the slot to ensure the lock nut can thread onto the bolt fully.

Note: Ensure that the motor cable is facing in the forward direction, it will not reach to the connectors inside if they are facing the rear direction.



Once the axle has been fully inserted into the motor mount slot, thread the included locknut onto the axle bolt until it is hand tight. Using a crescent wrench, firmly secure the locknut.

Once the locknut is tight, insert the included cotter pin into the small hole on the end of the axle. Bend each end of the cotter pin to ensure the locknut stays secure while riding. Now that the rear wheel has been installed, check the brake disc placement by spinning the wheel.



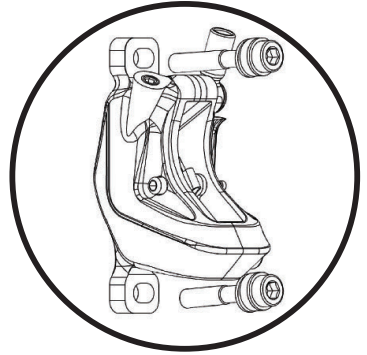
If it is not spinning freely and your brakes seem to be rubbing, you will need to make an adjust to the brake calipers.

Note: See **page 28** for instructions on how to adjust your brakes calipers.

Installing the Brake Calipers

Once the rear motors have been mounted, you are now ready to install the rear calipers.

Remove the plastic piece holding the brake pads apart. Slide the rear caliper over the brake disc and align the mounting holes. Using a 4mm Hex wrench, tighten the rear brake caliper M5 mounting bolts.

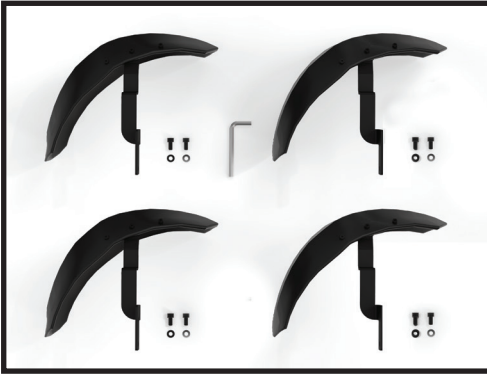


With the bolts slightly loosened, squeeze the brake lever. The caliper will correctly center itself to the rotor when squeezing the brake lever. Keeping the brake lever depressed, tighten the caliper mounting bolts. Final tightening torque: 6 - 8Nm.



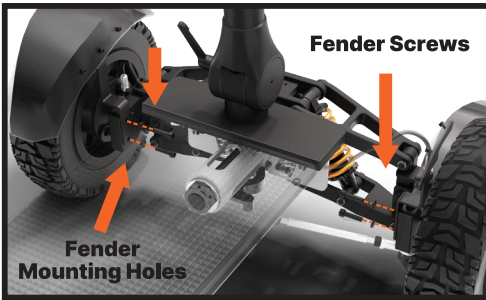
REPEAT these steps to mount the other rear brake caliper.

Installing the Front & Rear Fenders



Items Needed

- 2 Front Fenders
- 2 Rear Fenders
- 2 Front Washers & Nuts
- 2 Rear Washers & Nuts
- Hex Wrench



Front Fenders

Locate the front fender mounting holes near your front wheels. Using a hex wrench, insert the included screw into the mounting holes.

Tighten & repeat for the other side.

Rear Fenders

Locate the rear fender mounting holes, they are near the front inner side of the rear tires.

Using the hex wrench, insert the washer and nuts. Tighten & repeat for the other side.

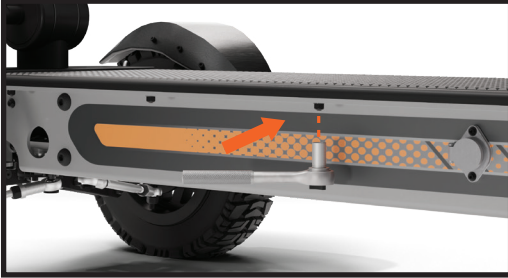


Note: Be sure not to over tighten the bolts on the fenders as they can strip.

Removing the Top Deck

Items Needed

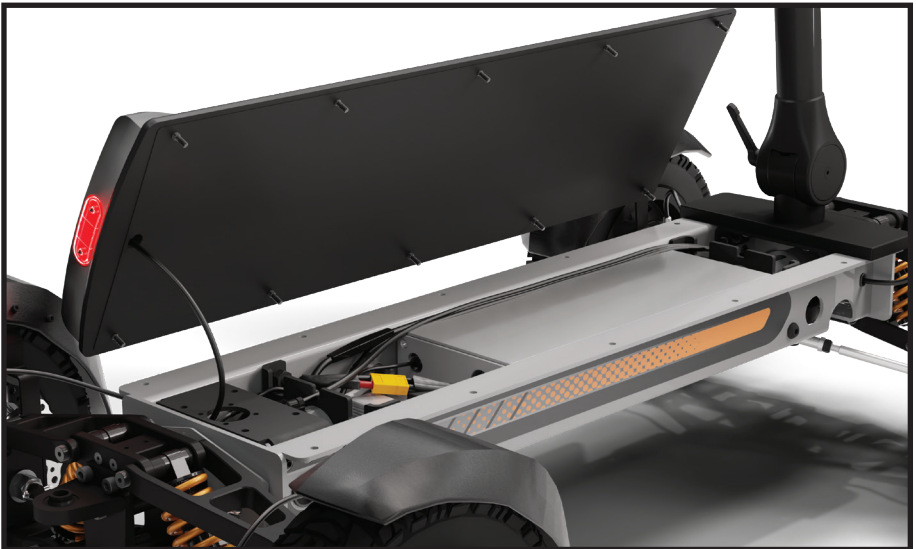
- 8mm Wrench or 8mm Socket & Ratchet



In order to remove the top deck of the X-Quad, you will need to remove 5 lock nuts from each side of the deck, 10 lock nuts in total. Using a 8mm wrench or socket and ratchet,

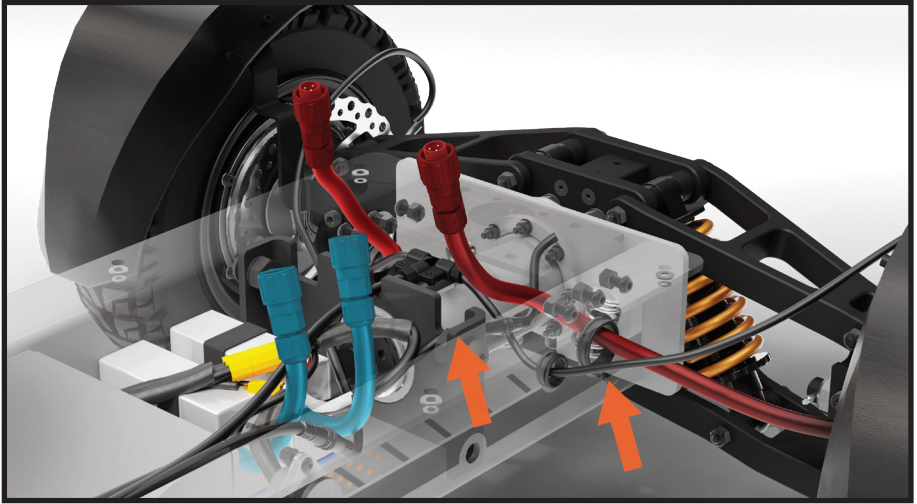
Loosen the 5 lock nuts from each side of the deck. Once the 10 lock nuts have been removed, you can freely lift the deck away from the chassis.

Note: The deck top is connected to the chassis by 1 wire for the rear tail light, be cautious not to pull the deck too far to avoid damage to the connector and wire.

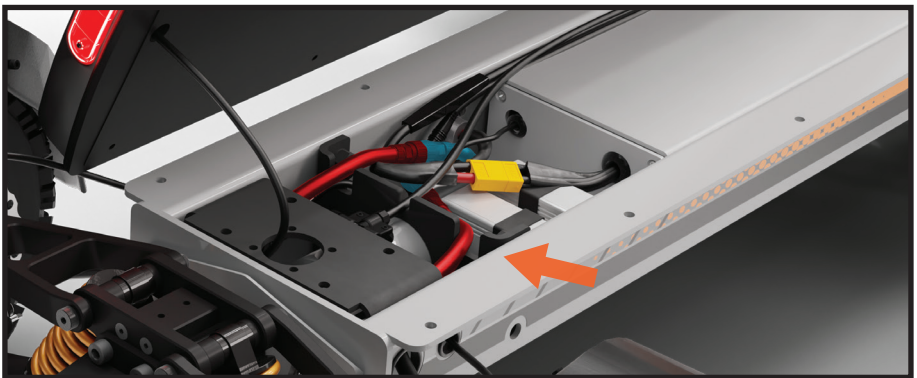


Installing the Motor Cables

Now that you have removed the top deck, you are ready to connect the motor cables. Feed the motor cables through the large hole in the side of the chassis. (Shown in Red). There should be a rubber guard around the hole that you are feeding the cable through. Feed the motor cable under the brake cable and through the opening on the inner plate.




Once you have fed the cables through, locate the adjacent controller cable (Shown in Blue), the cables ends are identical to the motor cables. Each controller is marked as Left or Right, connect the correct motor cable to the corresponding controller cable.



Note: Ensure the motor cables are below the rear brake cable splitter and are snugly in place and out of the way to ensure they will not be compressed by the deck.

X-Quad LCD Display

To power on your X-Quad, long press the top right button  (power) for 2 seconds on your LCD Remote. You will see your LCD power on.

If you do not see the LCD power on, please check your connectors & make sure your X-Quad has a charge.



Your LCD will inform you of your current speed, ride mode, battery info, your total miles ridden (odometer), date / time, and speed mode (1-5). Using the **+** & **-** buttons, toggle through 5 different speed modes (1-5). Hit the **-** button when in speed mode 0 to initiate reverse. For riding at night, use the **Lights** button to turn the headlight on / off.

Understanding your Screen

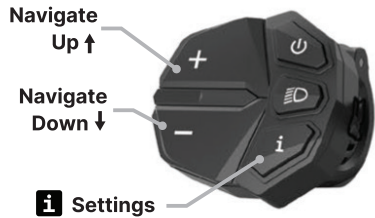


Accessing Settings Menu

With your LCD powered on and your speed at 0, long press the settings **i** button for 2 seconds on your LCD remote to enter the main settings page.

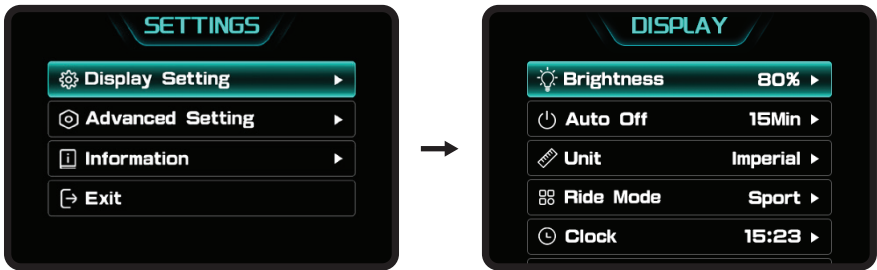
Menu Navigation

To navigate your LCD, use the gear up **+** and gear down **-** buttons on your LCD remote. Use the settings **i** button to enter your selection once inside the settings menu.



Main Settings Menu

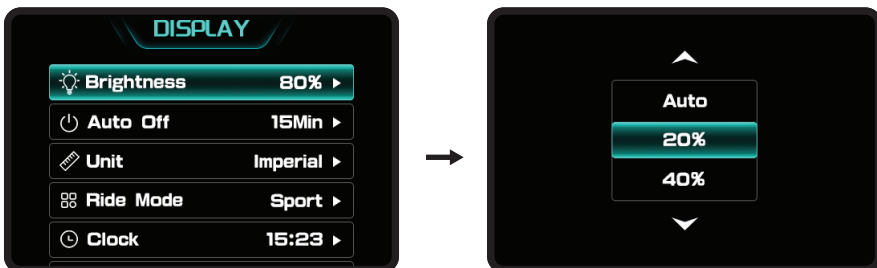
Enter the main settings menu by long pressing the settings button on the LCD remote (shown on the right). Enter the Display settings menu by pressing the settings **i** button.



Inside the display settings you will be able to change and customize your X-Quad to your preference for the best overall experience while riding.

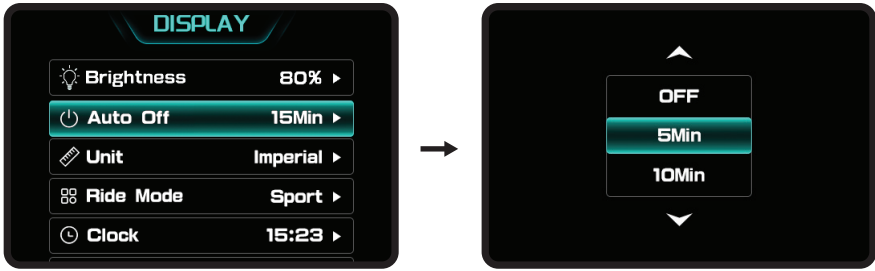
Update Brightness

Update the brightness of your LCD for your riding preference. Lowering the LCD brightness can help save on battery while riding.



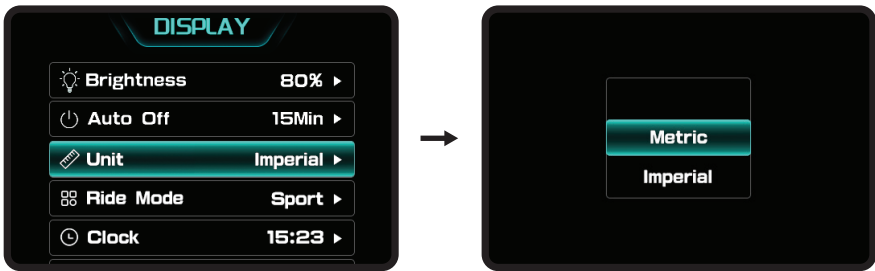
LCD Auto Shut Off

Here you can update the time it take for your LCD to shut off when there is no activity.



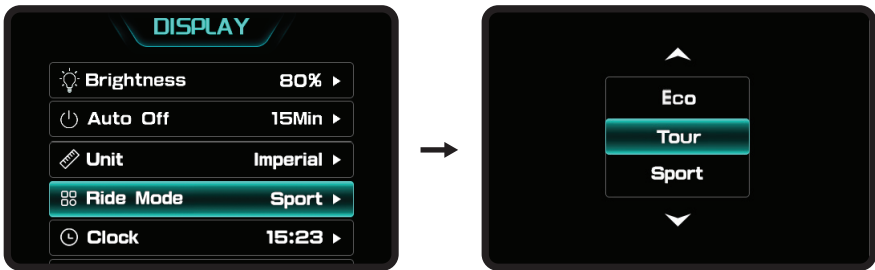
Change Units - MPH / KPH

Choose your preferred unit of measurement to be shown on your display while riding.



Change Ride Modes

Change your ride mode for your best ride experience and environment.

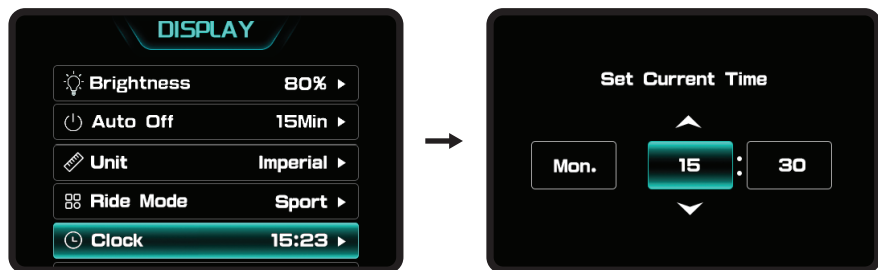


Ride Modes

Mode 1: Eco (best for battery life) Power: 0-20 MPH in 10 seconds	Mode 2: Tour (best for cruising) Power: 0-20 MPH in 6.5 seconds
Mode 3: Sport (best for offroading) Power: 0-20 MPH in 4 seconds	Mode 4: Golf (best for golf course) Speed: 14 MPH Top speed

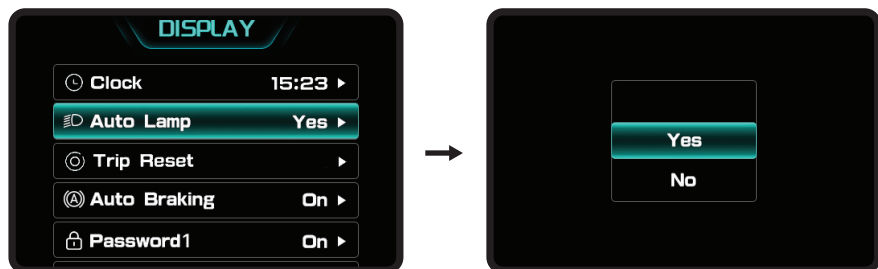
Set Time / Date

Update your time and date to stay current and informed directly on your LCD.



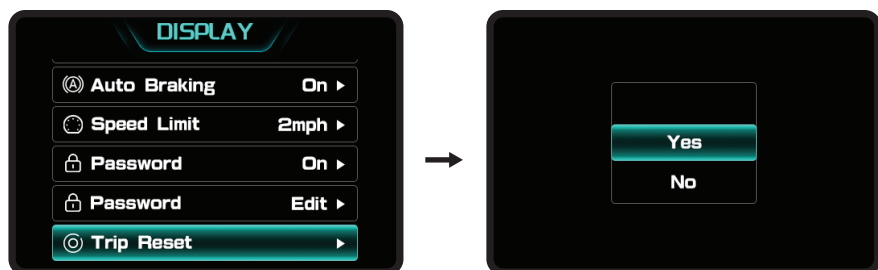
Auto Lamp

Turn your headlight on automatically when you power on your LCD.



Trip Reset

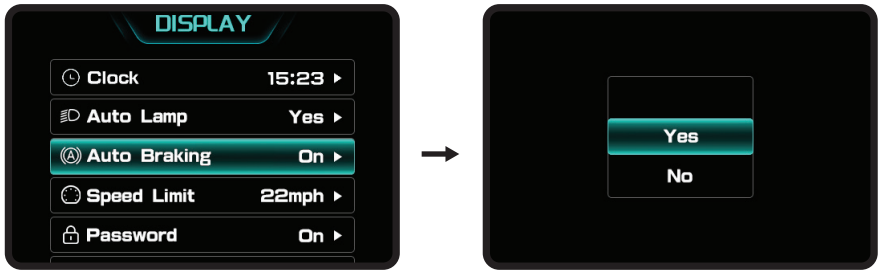
Reset your odometer and overall miles.



Auto Braking

By default, auto braking (electronic braking) is enabled each time you power on your board and automatically applies a slight braking force when you let off the throttle or pull the hand brake levers lightly. You can temporarily dis-engage auto braking in your display settings as shown in the figure. When enabled, the auto braking icon on your display is **WHITE** and when dis-abled the icon is **RED** (A).

Note: It is possible to permanently dis-engage auto braking by connecting the two extra connectors from the controllers together (1 from each controller), however we highly recommend not doing this as auto-braking is a safety feature that helps prevent inadvertent throttling that can lead to accidents.

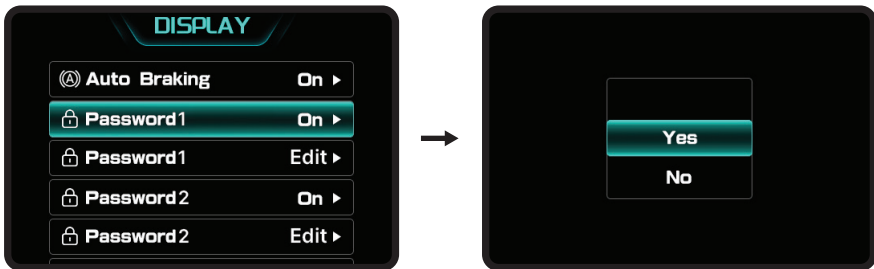


Understanding Passwords

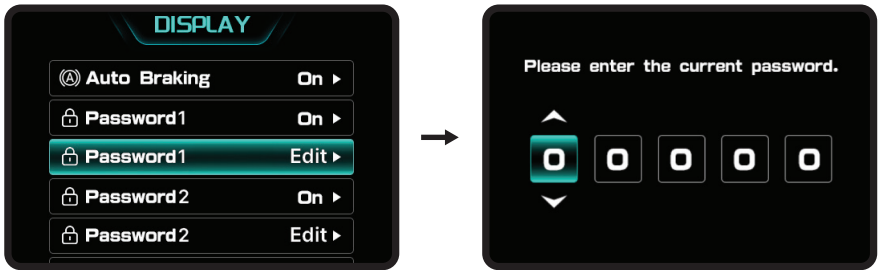
Setting a password for your X-Quad is always a great idea for added security right at your finger tips. Once a password has been set, you will not only be able to lock your board from turning on, but also lock your ride mode, top speed, and more.

The X-Quad has 2 different passwords that can be set in the display settings menu.

Password 1



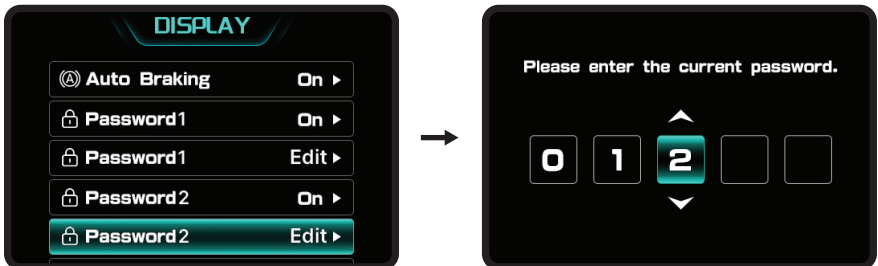
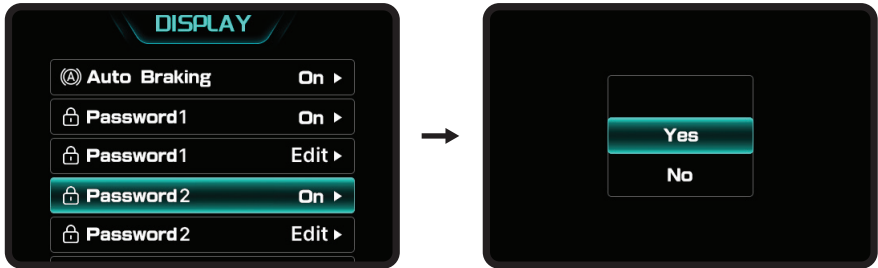
“**Password1**” is used for locking your display and board from turning on. This will prompt you to enter a password when powering on your display.



Password 2

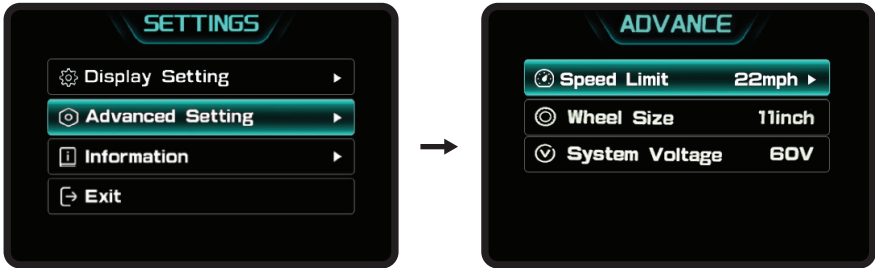
“**Password2**” is used for locking your setting and ride parameters.

For example, if you wish to lock your X-Quad in Golf Mode and set a top speed of 10 mph, you would edit those settings within the settings menu and then set a “**Password2**” for your board. Golf mode will now be locked in and the max speed will be set to 10mph.



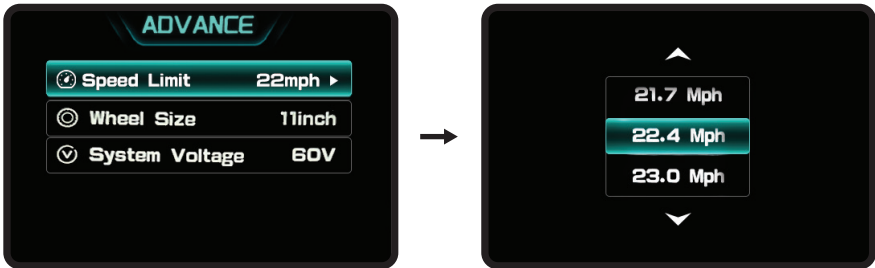
Advanced Settings

Enter the advanced settings menu by long pressing the settings button on the LCD remote and navigating down with the **←** button. Enter your selection by pressing the settings **i** button.



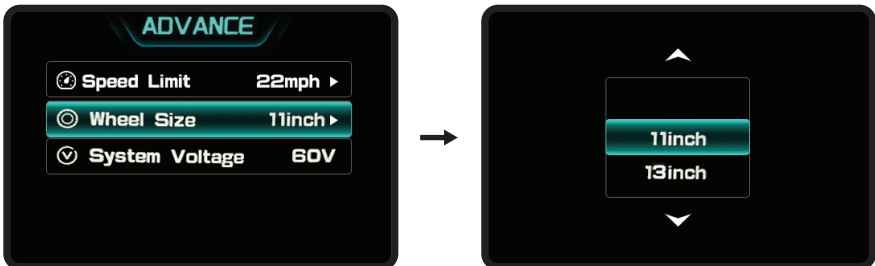
Set Speed Limit

Set a speed limit for your X-Quad, so no matter what ride mode you are in, you will not exceed your set speed limit.



Set Wheel Size

Set a speed limit for your X-Quad, so no matter what ride mode you are in, you will not exceed your set speed limit.



Error Code Definitions

Diagnose error codes on your LCD to better help our support team understand the issue you are experiencing or troubleshoot yourself.

ERROR 04	The governor handle not back in place.	Check whether the governor handle is back in place or not.
ERROR 05	Faulty governor handle	Check the governor handle
ERROR 07	Over voltage protection	Check battery voltage
ERROR 08	Motor Hall signal line failure	Check the motor module
ERROR 09	Motor phase line failure	Check the motor module
ERROR 10	Controller temperature so high as up to the protection point	Check the controller
ERROR 11	Motor temperature so high as up to the protection point	Stop riding
ERROR 12	Fault in the current sensor	Check the controller
ERROR 13	Faulty battery temperature	Check the battery
ERROR 14	Faulty temperature sensor inside the controller	Check the controller
ERROR 15	Faulty temperature sensor of the controller	Check the controller
ERROR 21	Faulty speed sensor	Check the speed sensor
ERROR 22	BMS communication failure	Check the battery pack
ERROR 23	Lamp failure	Check the lamps

ERROR 24	Faulty lamp sensor	Check the lamp sensor
ERROR 25	Faulty torque signal of the torque sensor	Check the torque
ERROR 26	Faulty speed signal of the torque sensor	Check the torque
ERROR 30	Communication failure	Check the controller connectors

Battery Information

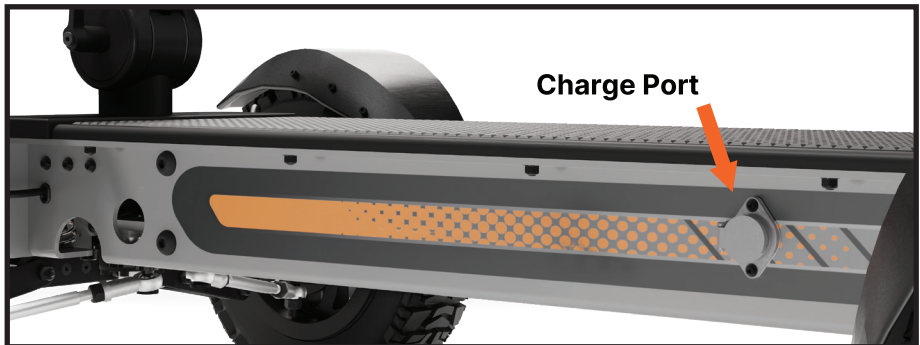
The X-Quad utilizes a 60V 30ah battery which requires a 3.5 Amp Smart Charger that operates on 100v-240v standard home AC power outlet.



Cell Type	16S6P LG Samsung Lithium cells
Voltage	60V 30ah
Watt Hours	1800Wh
Weight	Aprox. 21Lbs
Water Rating	IP67 water ingress rating
Charge Time	Aprox. 8 Hours

Charging your X-Quad

To charge your battery, locate the charging port on the left rear side of the X-Quad.



Insert the Charger

Turn the X-Quad off before charging or before conducting any maintenance or assembly procedures. Open the charge port cover & insert the charger, making sure that the pins on the charger cable align with the pin holes inside the charge port. Plug the other end of the charger into a standard 110V or 220V wall outlet.

Note: Fully charge your X-Quad battery before the first use.



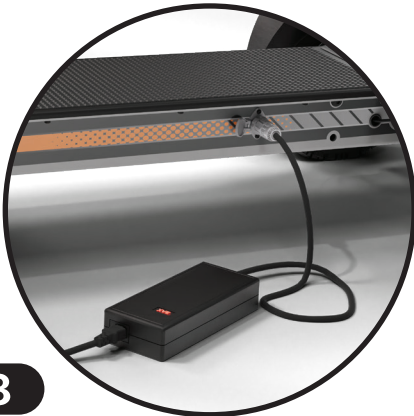
Charger LEDs Indications

Your charger has a built in LED to indicate the two charging modes.

The light will turn **RED** when the board is **accepting charge** & will turn **GREEN** when **fully charged**.



● **RED** = Charging ● **GREEN** = Charged



Avoid Over Charge

Once plugged in, ensure the light on the charger is red to indicate the board is accepting the charge.

Don't leave the charger plugged in for an extended period of time to avoid potential overcharging.

Battery / Charger Use and Care

Included with your new X-Quad is a 60V lithium-ion battery and a 3.5amp lithium-ion battery charger. Your X-Quad battery is designed for high capacity charging and a long lifespan; however, improper use will damage the battery and decrease its charge strength and capacity.


Range


- Up to 50 mile range on a full charge*


Charge Times


- Up to 8.5 hours if fully depleted

Note: Actual range will vary based on things like; rider weight, speed, terrain, wind, hills, tire pressure, the amount of carving the rider does, etc.

 **WARNING:** IMPROPER USE, STORAGE, HANDLING OR DISPOSAL OF A BATTERY OR THE CHARGER CAN RESULT IN FIRE, ELECTROCUTION, SERIOUS INJURY OR EVEN DEATH.

 **WARNING:** TO PREVENT THE CONNECTOR FROM SPARKING, PLUG THE CHARGER CONNECTOR INTO THE CHARGE PORT OF THE X-QUAD (LOCATED AT THE LEFT SIDE OF THE CHASSIS FRAME) BEFORE PLUGGING THE CHARGER INTO AN OUTLET.

 **WARNING:** TO REDUCE THE RISK OF IGNITION OR EXPLOSION, ALWAYS USE CHARGER WITH ADEQUATE VENTILATION AND IN NONCOMBUSTIBLE CONDITIONS.

 **WARNING:** DO NOT DISABLE THE GROUND PRONG OR ANY OTHER PRONG ON YOUR THREE-PRONG PLUG. DOING SO INCREASES THE RISK OF ELECTROCUTION, FIRE AND PERSONAL INJURY OR DEATH.

DO NOT MODIFY OR TAMPER WITH THE BATTERY CHARGER OR CHARGING PORT IN ANY WAY and evaluate them before each use for any potential damage. If you see any damage, do not use the charger or port and contact CycleBoard for repair or replacement parts.

Battery and Charger Maintenance

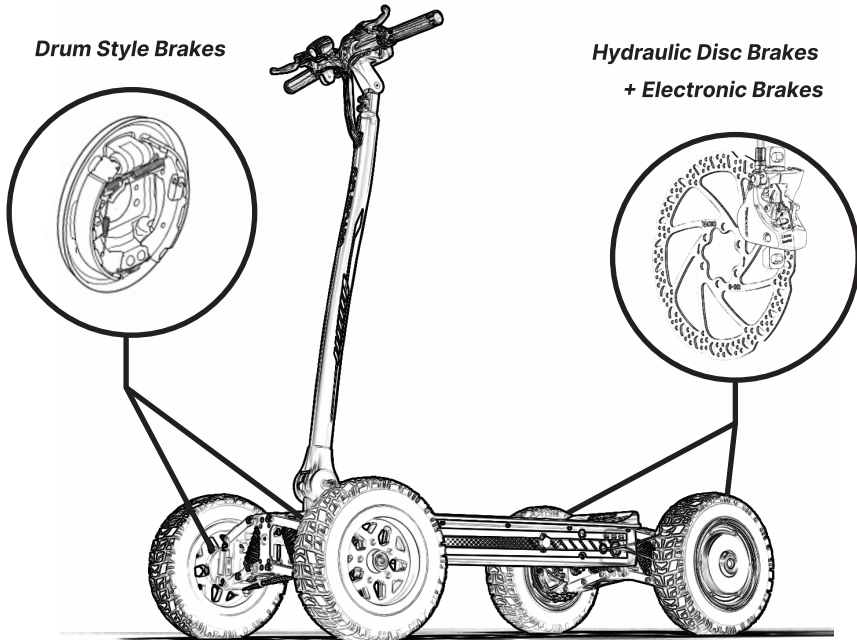
After much use, your battery's charge holding capacity will decrease. However, if your battery does not hold sufficient charge even for a short trip, contact **CYCLEBOARD** to order a replacement. The charger supplied with your X-Quad should be regularly examined for damage to the cord, plug, and other parts. In the event of damage, do not charge the X-Quad until the charger has been repaired or replaced. If the charger emits unusual sounds or odors, immediately stop using it and contact **CYCLEBOARD** customer service.

- Make sure X-Quad power button is turned **OFF** when unit is not in use. If the power button is left on for an extended period of time, the battery may reach a stage at which it will no longer hold a charge.
- Use only the provided charger, as a lithium ion battery requires a specially designed charger. (Use of an unapproved charger could result in overheating or fire.)
- Unplug charger from wall outlet and disconnect from your X-Quad when not in use.
- Never store the X-Quad with the battery in a discharged state. (If you will not use your X-Quad for an extended period, charge it fully at least once per month)
- Recharge the battery before it becomes completely discharged. (When completely discharged, battery capacity will be reduced.)
- Store X-Quad in a cool, dry place.
- Electrical equipment may generate heat. Keep away from combustible materials.
- **DO NOT** leave X-Quad charging unattended.
- **DO NOT** store or subject the X-Quad, battery or charger to extremely high temperatures such as in direct sunlight, near a fire, or confined spaces without ventilation, etc.
- **DO NOT** store the X-Quad or charger in extremely low temperatures.
- **DO NOT** immerse the X-Quad or charger in water or other liquids.
- **DO NOT** place the X-Quad or charger near flammable or corrosive substances.
- The charger is **NOT** weather proof. Keep dry and away from water, other liquids and fire.
- **DO NOT** use the battery or charger to power devices other than your X-Quad.
- **DO NOT** exceed recommended charging time.
- **DO NOT** attempt to disassemble, repair or modify the battery or charger.
- **DO NOT** put the X-Quad or battery in water, salt or acidic solutions.
- Follow proper battery disposal procedure: Recycle lithium-ion batteries. Do not throw away in regular trash or attempt to incinerate.

Braking

Your X-Quad is equipped with 4-wheel braking. The **front wheels use drum style brakes** which are difficult to fully lock the front wheels to reduce the possibility of going over the handlebars. The **rear wheels use hydraulic disc brakes** which can lock the rear wheels.

There is also **electronic braking to the rear wheels/motors** and letting off the throttle (with auto-braking enabled) or pulling either hand brake lever will engage the electronic braking to the rear wheels.



⚠ WARNING: STOPPING DISTANCES WILL VARY DEPENDING ON THE SPEED, WEIGHT OF THE RIDER, CONDITION OF YOUR TIRES, GROUND SURFACE YOU ARE RIDING ON, SLOPE AS WELL AS THE CONDITION OF YOUR BRAKES. ALWAYS ANALYZE THE CONDITIONS AND FAMILIARIZE YOURSELF WITH YOUR STOPPING DISTANCES BEFORE RIDING OR ALLOWING OTHERS TO RIDE. AVOID BRAKING ABRUPTLY TO AVOID SKIDDING AND LOSS OF TRACTION IN THE REAR WHEELS WHICH COULD LEAD TO POSSIBLY LOSS OF CONTROL.

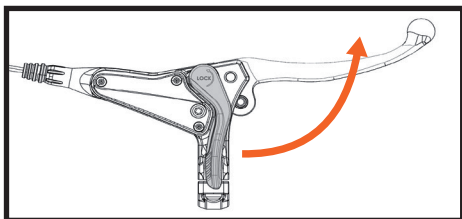
⚠ WARNING: THE REAR BRAKE DISCS WILL BE HOT AFTER RIDING. WAIT UNTIL THEY HAVE COOLED OFF BEFORE TOUCHING THEM OR ATTEMPTING TO MAKE A BRAKE ADJUSTMENT.

Parking Lock Lever

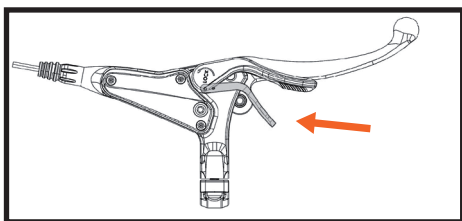
Each X-Quad 3000 comes equipped with a parking lock lever. This lever can be used to park the X-Quad on a hill, keep the board still while loading or unloading cargo, keep the board still while getting on and off, used while storing your board, etc.



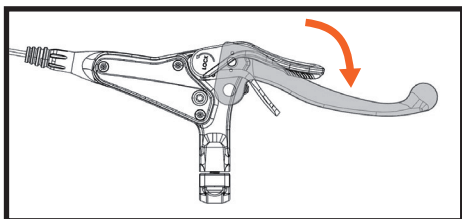
Setting the Parking Lock Lever



With the X-Quad at a complete stop, rotate the larger of the two levers away from the handlebar. The smaller lever will accompany the larger one to an extent.

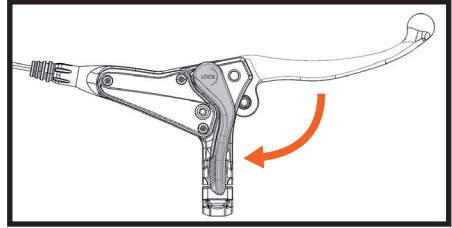
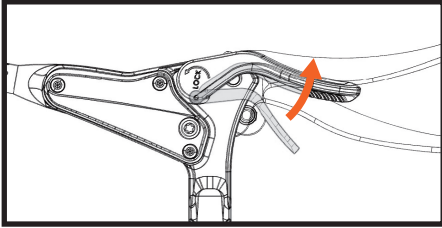


Rotate the two levers until you hear a click and cannot rotate them further. The smaller lever will pop away from the larger lever. Next squeeze the brake lever until you hear it click.



The parking lock lever has a built-in ratcheting mechanism to allow locking to occur at different thresholds. This will allow for the lock to be set even with worn-in pads and rotors.

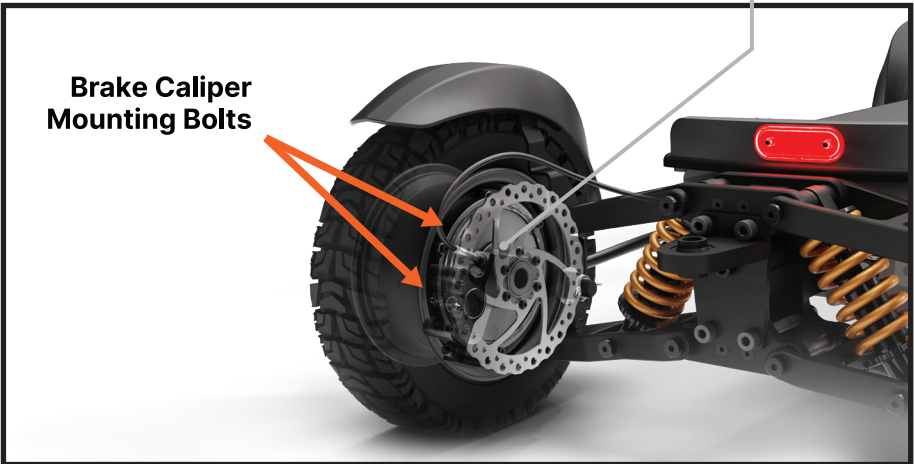
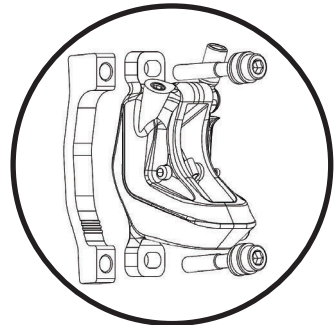
Releasing the Parking Lock Lever



In order to disengage the parking lock, rotate the smaller lever toward the larger lever until they are nested. Then rotate both levers back toward the handlebar. Exercise caution when doing so, as the board will be able to move once again.

Adjusting your Rear Brake Calipers

Using a 4mm Hex wrench loosen the rear brake caliper M5 mounting bolts. With the bolts slightly loosened, squeeze the brake lever. The caliper will correctly center itself to the rotor when squeezing the brake lever. Keeping the brake lever depressed, tighten the caliper mounting bolts. Final tightening torque: 6 - 8Nm.



Pad and Rotor Bed-In Procedure

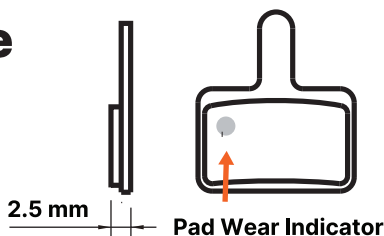
Bedding in your new pads and rotor is critical to the performance of the brakes. Properly bedding-in your pads and rotors will ensure the highest performance and best operating conditions.

Accelerate your Board to a moderate speed and apply the brakes. Slow the board to a walking speed and then release the brakes. Repeat this process 15 - 20 times to transfer the pad material to the braking surface of the rotor. You will feel the brakes becoming more powerful throughout this process. Then accelerate your board to a higher speed and apply more pressure to the brake lever until at a walking speed. Release the lever and repeat this process 10 - 15 times. Allow the brakes to cool before continue to ride.

Note: Do not come to a complete stop at any time during this process. Doing so can lead to uneven pad material deposition and can affect performance of the brakes while riding.

General Maintenance

Pad Replacement: Pads should be replaced if they become contaminated or have less than 2.5 mm thickness.



Before Riding: Check the pads for wear or contamination. Check hose for cracking, wear or deformation. Replace if necessary. Check the brake system is operating correctly.

After Riding: Remove any mud or contamination from rotor slot on the caliper. Clean the caliper with a cloth.

At Regular Intervals: Check the oil level in the reservoir. Lubricate the brake lever pivot with grease. Check to make sure that all the bolts are tightened to the correct torque specifications.

Bleeding the Rear Brakes

You should always bleed the system after you have shortened or replaced the hose or have opened the system to the air at any time. Additionally, if the brake action feels spongy, you may improve performance by bleeding the brake system.

CAUTION: Use only **TEKTRO** hydraulic disc brake fluid with **TEKTRO** hydraulic disc brake. Other brake fluid may not be compatible and may damage system.

Items Needed

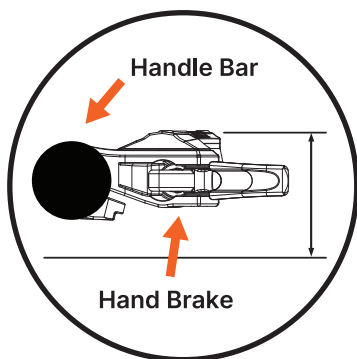
- 3 mm Hex Wrench
- 4 mm Hex Wrench
- 5 mm Hex Wrench
- T15 Torx Wrench
- **TEKTRO** Bleed Kit
- Clean Towel or Rag
- Isopropyl Alcohol
- **TEKTRO** Mineral Oil

Note: The **TEKTRO** bleed kit must be purchased separately, the X-Quad does not come standard with a bleed kit included.



Secure X-Quad

Secure the X-Quad so that it is not able to roll around, as you will be working near the tires and do not want it to be mobile while performing maintenance.

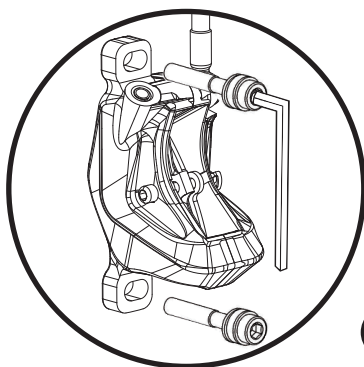


Adjust Hand Brake

Using a 4mm hex wrench, loosen the rear hand brake lever and position it so that it lay parallel with the ground.

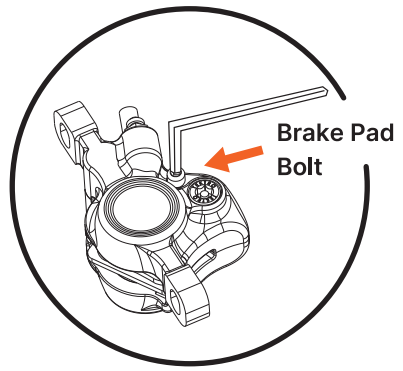
Remove Rear Calipers

Remove the rear calipers by loosening the two mounting bolts using a 5mm hex wrench.



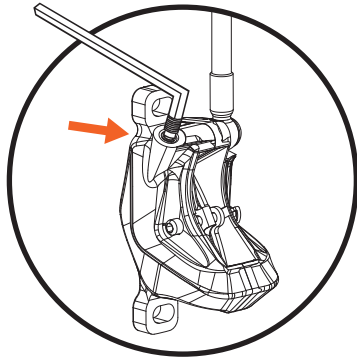
Remove Brake Pads

Now that the calipers have been removed, use a 3mm hex wrench to loosen the bolt holding the brake pad in place located on the side on the caliper. Removing the brake pads from the calipers ensures that there is no contamination during the brake bleeding process.



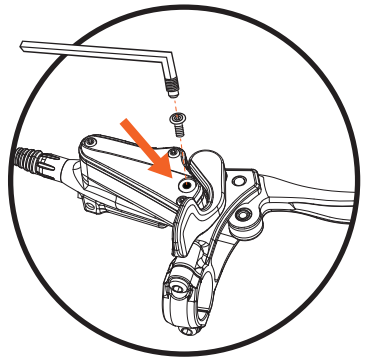
Prepare Syringes and Oil

Prepare your two syringes with the included plastic tubing and the appropriate bleed fitting. Fill the syringes halfway with TEKTRO mineral oil. To remove any air bubbles, hold the syringe vertically with the tip up and tap. Place them on a towel until ready for use.

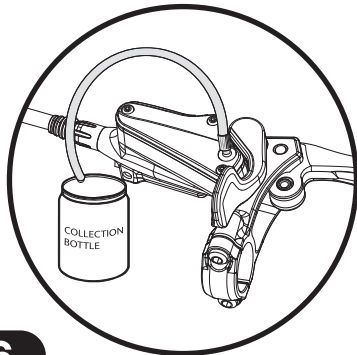


Remove Bleed Port Screws

Using a T15 Torx, remove the caliper bleed port screw located just below the top mounting slot on each caliper.



Using the T15 Torx, remove the handle brake lever bleed port screw, located on the top of the brake handle.



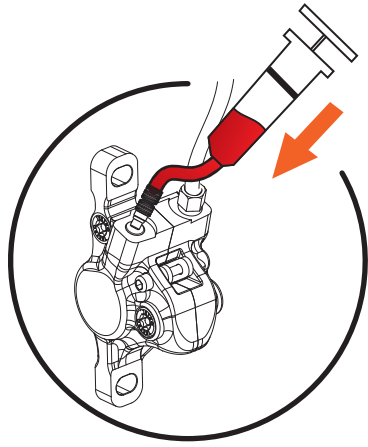
Attach Hose to Hand Brake

Install one of the included bleed fittings into the bleed port on the hand brake. Firmly attach the other long plastic tube over the bleed fitting, placing the other end into a clean, dry empty bottle, plastic bag, or attach another empty syringe.

Bleeding your Brakes

Install the prepared syringes and fluid onto each calipers bleed port.

Having a second person help, start filling the brakes with new mineral oil by slowly pushing the plunger of the syringes. Air bubbles may come out of the reservoir on the handle. Continue pushing fluid until you no longer see bubbles coming out of the tube.



Remove Fittings and Tubing from Hand Brake

Remove the collection container, plastic tubing, and bleed port fitting from the hand brake lever reservoir. Re-install the bleed port screw using the T15 Torx. Tighten to 2-4Nm.

Remove Syringes from Calipers

With the bleed port screw re-installed you may now remove the syringes and bleed fitting tubing from the calipers. Re-install the bleed screws using the T15 Torx. Tighten to 0.8-1.2Nm.

Clean / Adjust Hand Brake Lever and Caliper

Using a towel and the isopropyl alcohol, wipe off any excess oil from the hand brake lever and the caliper bodies. Using a 4mm hex wrench, re-adjust the hand brake lever back to your optimal position.

Re-install Brake Pad, and Caliper

Re-install the brake pads and the pad screws using the 3mm hex wrench into the side of the calipers. Re-install the brake calipers to the mounting brackets using the 5mm hex wrench and two screws. Rotate your wheels to ensure rotors are not rubbing on brake pads. If so, then perform a brake caliper adjustment, found on page 22.

Adjusting your LCD

Adjusting your LCD can be done in two different ways. One by adjusting the screws on the brackets holding the LCD onto the handle bar. Or by adjusting the angle of the LCD on the bracket.



Adjusting the Bracket

To adjust the bracket position on the handle bar, loosen the two screws on that hold the LCD bracket onto the handle bar. Adjust position as desired.

Adjusting the LCD

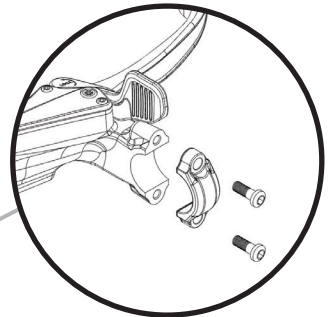
To adjust the angle of the LCD on the bracket itself, locate the two screws located on the side of the LCD bracket. There may be a rubber cap covering the screw holes that you will need to remove.



Once the rubber end caps have been removed, you can use a small screw driver to loosen the screws holding the LCD angle in place. Once loose, you will be able to adjust the LCD freely. Once you find your desired position, repeat the steps in reverse to tighten.

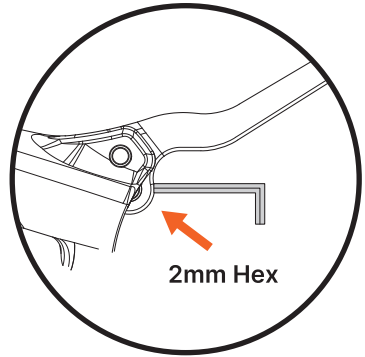
Adjust Brake Handles

Using your 4 mm medium sized hex wrench, adjust the top & bottom hand brake lever clamp screws to your optimal braking position on each one of the two hand brakes on each side. Once you find your desired position, tighten the screws to secure them in place.



Adjusting Lever Reach

The reach of the lever can be adjusted to accommodate different riders preferences. To move the lever blade closer to the handlebar, use a 2mm hex wrench and thread the reach adjuster bolt counter-clockwise. To move the lever blade further away, thread the adjuster bolt clockwise.



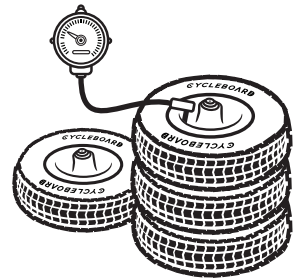
Pre-Ride Checklist

Before riding always make sure to thoroughly check your X-Quad & ensure it is safe to operate. Check all parts, including nuts, bolts, cables, fasteners, frame, brakes, etc. to ensure everything is secure & ready to go. Squeeze the brake lever to ensure positive braking action. Visually inspect the frame for cracks or damage. Broken frames are very rare, but are possible from unintentional hitting of a curb or other objects.

Pro Tip: Inspecting your X-Quad **EVERYTIME** before & after you ride helps to increase the life span of your board & decrease future problems.

Wheels & Tires

Periodically inspect your tires for excess wear. Confirm tires are properly inflated & always check your wheel bolts are tight.



Note: Front tires with uneven wear can cause dangerous conditions such as speed wobble & should be replaced right away.

Laws, Regulations, & Insurance

Always check & obey your cities local laws or regulations, as they vary from place to place. **DO NOT** assume that your existing insurance policies necessarily provide coverage for use of this product. Check with your insurance company for information regarding insurance.


Your First Ride

On your first ride we recommend a open area away from cars, pedestrians, cyclists, & potential hazards in order to practice & familiarize yourself with how to ride.

How to Get Started

Press the power button on the LCD 2-3 seconds until the screen turns on. If you have a password set, enter your password to enter the main screen. By default, the X-Quad comes shipped in Eco Mode. To change this, refer to the settings section in this manual.



For new riders it is recommended to start off in speed mode 1. To start your X-Quad, you will need to hold down the Gear Down  button and then hold down the thumb throttle. **The X-Quad will not move unless the Gear Down button is being held down.** This is a added safety feature.



 + **Throttle**

Steering your X-Quad

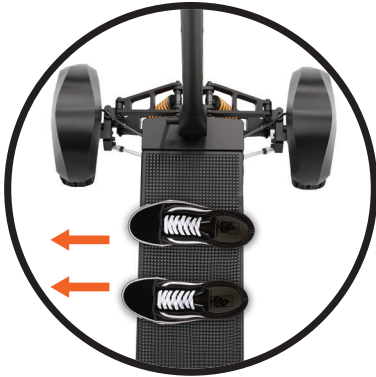
Steering the X-Quad is achieved by shifting your body weight from side to side or from heel to toe. How you ride is up to you, but these are the two most common styles. **SKI STANCE** or **SNOWBOARD STANCE**.

The handlebars **DO NOT TURN** like a traditional scooter.



Ski Stance

SKI STANCE: Place both feet side by side. Steering is achieved by dropping your hip & pushing the handlebars to the side you are steering towards.



Snowboard Stance

SNOWBOARD STANCE: Place one foot forward & one foot back. Steering is achieved by shifting your weight from heel to toe, using your body weight to lean into the turns.

Pro Tip: Hold the hand brakes while figuring out your stance to keep the X-Quad from rolling. We recommend trying both stances until you find what's most comfortable for you.

Practice Makes Perfect

Remember, always wear a HELMET & practice safe handling when riding. This is a motorized product & riders must familiarize themselves with the characteristics & proper use of the product. Remember practice makes perfect and the more you ride, the safer you will be. Familiarize yourself with your X-Quad and really practice your riding. It is not "just like any other 2-wheel scooter" & it is not "just like a tricycle" since the handlebars do not turn. The motors drive the rear wheels & riders must learn, practice & understand the proper use of this product to best, & safely, enjoy it. DO NOT exceed 10 mph or ride down hills until you have practiced riding the X-Quad for at least 8 hours of cumulative riding time or feel comfortable doing so and have mastered steering the board.

REMEMBER: RIDE AT YOUR OWN RISK & USE COMMON SENSE WHILE RIDING

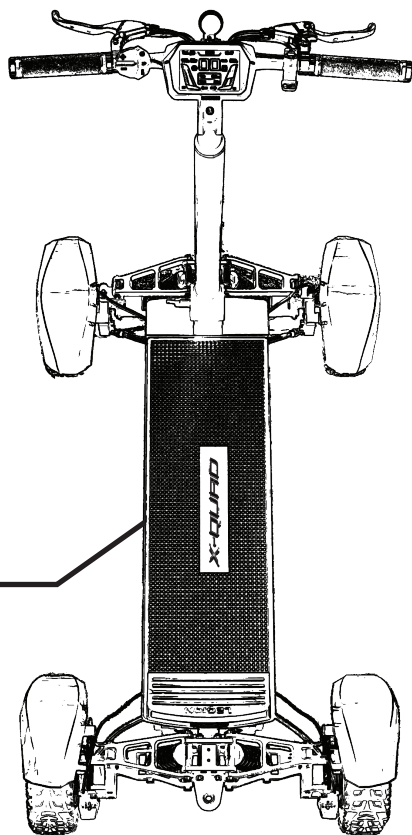
⚠️ WARNING: RIDING THE X-QUAD MAY BE A DANGEROUS ACTIVITY & MAY RESULT IN SERIOUS INJURY OR DEATH, EVEN WHEN USED WITH PROPER SAFETY PRECAUTIONS.

Warning Labels

⚠ STOP: READ THE COMPLETE CYCLEBOARD MANUAL AND WARNING LABELS ON UNDERSIDE OF CYCLEBOARD BEFORE ATTEMPTING TO OPERATE THIS PRODUCT.

SAFETY WARNING

RIDE AT YOUR OWN RISK. Severe injury or death may result if you do not follow the manual or warning labels, Steering is achieved through leaning left or right, do not attempt to steer like a bicycle. Do not jerk or force the handle in any direction as damage or injury could occur. Only turn throttle power on if rider is standing on the CycleBoard and always turn power off **BEFORE** stepping off. This product has a powerful motor, always start in "**Speed Mode 1**" and accelerate gradually. This product moves when in use, exercise caution and common sense when riding. Do not put fingers, other body parts or objects in the steering area between the two front wheels. Avoid riding down hills steeper than a 10-degree grade and speeds greater than 5mph until you have mastered the steering function. Never ride at night without adequate lighting and visibility. Never let children under the age of 16 operate this product. This is a high-performance transportation device and is not a toy.



Weight limit:

350 lbs max

⚠ AGE 16+: Operation of this CycleBoard by children under the age of 16 increases the risk of severe injury or death. This product is intended for adult use only. The CycleBoard is **NOT** a Toy. **NEVER** permit children under age 16 to operate or ride your CycleBoard. Keep this product secure and away from unsupervised children under the age of 16.

⚠ AVOID braking abruptly at speeds above **5mph** or when riding downhill as this may cause skidding and loss of control. Never attempt wheelies, jumps or any other stunts. Never step on or off while product is moving.

⚠ ALWAYS check brake, throttle, tire pressure and steering for property operation before riding. Ensure all bolts and screws are tight and operating properly before riding.

⚠ ALWAYS wear a helmet and other body protective gear when riding. Don't touch rear wheel or brake disc during or shortly after use. Never put body parts or object near rear wheel or brake when in motion.

Industry Leading Warranty

With a standard 36 month warranty on your motor & chassis, enjoy peace of mind knowing CycleBoard has got your back! CycleBoard warrants that the PRODUCT, other than the grip tape/deck, tires, & the battery pack, will be free from defects in the materials & workmanship for a period of 1 year.

Components	Warranty Period
Chassis & Motor	3 Year
X-Quad	12 Months
Battery	12 Months

Scan the QR code to learn about our policies or visit:
cycleboard.com/store-policies-and-terms-of-service



Have Questions? Need Support?

Still have questions or need product support? No Problem, we are here to help.

Email our Customer Support Team today!

M-F 8am-5pm PST.

www.cycleboard.com/contact-us

Email: Support@cycleboard.com

THANK YOU FOR CHOOSING CYCLEBOARD

Join the Referral Program!

Earn cash for yourself and give your friends a discount every time they make a purchase with your referral code!

Join the team at:

www.cycleboard.com/refer-and-earn

Leave a Review & Earn Rewards

Earn a *free accessory credit up to \$20* by sending in a snapshot and a link to your review to support@cycleboard.com

Leave a Product or Site Review:

www.cycleboard.com/reviews



X-Quad Overview Video

Scan the QR to watch the X-Quad Overview video or visit the link below:

www.youtube.com/watch?v=i0PW7iwHh34