

Electric Tricycle



Owners Manual

Foreword

Dear Consumers,

Welcome to the big family of Electric Vehicles, and thank you for your choice of electric tricycle!

The electric tricycle is very popular with the customers for its perfect streamlined design, strong and reasonable structure, flexible and intelligent controller, powerful motor and maintenance-free battery. It is easy to operate, comfortable to drive. And what is more is that the electric tricycle is environmental friendly. So your right choice is the contribution to the green world.

RIDING SAFETY

Like any sport, the electric trike carries the risk of injury and damage. By choosing to ride it you assume all responsibility for these risks. Thus, you need to know and practice the rules of safe and responsible riding.

YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS TRICYCLE. TO DETERMINE IF COVERAGE IS PROVIDED YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.

Safety Basics: Do's and Don'ts

The Do's

- Always conduct a Safety Check before you ride your Trike. Be thoroughly familiar with the controls of your Trike.
- Always wear an approved helmet when riding. Follow the helmet manufacturer's instructions for fit, use and care of your helmet.
- Always keep body parts and other objects away from the spinning wheels of your Trike
- Always wear shoes that will stay on your feet and will stay on the floorboard.
- Wear bright, visible clothing that is not so loose that it can catch on moving parts of the Trike or objects at the side of the road or trail.
- Think about your speed, and keep your speed consistent with safe operating conditions.

The Don'ts

- Never ride with headphones. They mask traffic sounds, distract you from concentrating on your surroundings, and their wires can tangle in the moving parts of the Trike, causing you to lose control.
- Never carry a passenger. The maximum carrying capacity is 400 Lbs.
- Never ride barefoot or wearing sandals.
- Don't jump with your Trike. It puts great stress on everything from frame and forks to drive train. Riders who insist on jumping their Trike risk serious bike damage as well as harm to themselves.
- Never carry anything which obstructs your vision or your complete control of the Trike or which could become entangled in the moving parts of the Trike.
- Never hitch a ride by holding on to another vehicle. ○ Never ride your Trike while under the influence of alcohol or other drugs.
- If possible, avoid riding in bad weather, when visibility is obscured, at dusk or in the dark, or when you are very tired. Each of these conditions increases the risk of accident.
- Never allow children to ride. Never allow others to ride without reading and understanding these instructions.

Operating Reminders and Suggestions

- Review all instructions carefully before riding the Trike.
- Follow all rules and regulations in your area for operating a motorized tricycle. Obey the same road laws as all other road vehicles, including yielding the right-of-way to pedestrians, and stopping at red lights and stop signs.
- Ride predictably and in a straight line. Never ride against traffic.
- Ride defensively. To other road users, you may be hard to see.
- Concentrate on the path ahead. Avoid potholes, gravel, dirt, wet road, oil, curbs, speed bumps, drain grates and other obstacles.
- Be alert for unexpected events, such as opening car doors or cars backing out of concealed driveways.
- Be extra careful at intersections and when preparing to pass other vehicles.
- Don't carry packages or passengers that will interfere with your visibility or control of the bike. Don't use items that may restrict your hearing.
- Maintain a comfortable stopping distance from all other riders, vehicles and objects. Safe braking distance and forces are subject to the prevailing weather and road conditions.

Wet Weather Riding

Wet weather impairs traction, braking and visibility, both for the rider and for other vehicles sharing the road. The risk of accident is dramatically increased in wet conditions. In wet weather you need to take extra care. In wet conditions, the stopping power of your brakes (as well as the brakes of other vehicles sharing the road) is dramatically reduced. This makes it harder to control speed and easier to lose control. To make sure that you can slow down and stop safely in wet conditions, apply your brakes earlier and more gradually than you would under normal, dry conditions. Decrease your riding speed, avoid sudden braking, and take corners with additional caution. Keep in mind that there is a direct, but inverse, relationship between speed and controllability.

Be more visible on the road. Wear reflective clothing and use safety lights. Potholes and slippery surfaces such as lane markings and train tracks all become more hazardous when wet.

SPECIFICATIONS

Top Speed: 20 MPH (peddling increases speed)
Top Range: 25 miles/charge (peddling increases range)

Battery: SLA or Lithium
Re-charges in: 4 hours
Tricycle Length: 60"
Tricycle Width: 28" (fits through most doors)

Max Weight Limit: 400 Lbs
Key Start: Yes

Headlight: Included
Storage Basket: Included

Battery Charger: Included
Battery Level Indicator: Included

COLORS: Red, Blue

MOTOR TYPE: Brushless motor drive

VOLTS: 48 volt

TIRE SIZE: Front: 22"*1.75": Rear: 22"*1.75"

DISTANCE: Up to 18-25 miles per charge-can still pedal if charge is lost (distance varies by riders weight , terrain, road surface etc.)

THROTTLE TYPE: Variable speed control- Twist Throttle-or-pedal assisted

KEY START: Yes

FRAME TYPE: Steel

BRAKING SYSTEM: Front V-break , rear brake expansion brake

DRIVE SYSTEM: Front hub motor or Pedal Power

ROUTINE OPERATION Pre-Ride Check

- 1)** Be sure the tires have enough air. A low tire pressure risk rim pinching (tube failure) and lowers your range (distance per charge).
- 2)** Be sure the battery is fully charged. Riding on a low state-of-charge will reduce range, and can damage the battery.
- 3)** Verify the proper adjustment and function of the brakes.
- 4)** Make sure the trike is in good mechanical order. Visually inspect and hand-check the vehicle, and and snug any loose bolts, screws, or other fasteners.
- 5)** With the trike visually inspected, turn the key switch and apply the throttle, to verify the motor's smooth operation. Apply the brake to stop the motor. Verify that the throttle is inoperative when either brake is applied.

Battery Charging

DO NOT REMOVE THE BATTERY PACK FROM THE TRIKE TO CHARGE IT AS IT CAN BE CHARGED WHILE IN THE TRICYCLE!

Be sure to charge the battery completely if you will not use it for a long period. Ideally, you should charge it every 20 days. Even a healthy battery will discharge itself slowly. Even with its power off, the trike Battery state- of-charge will decline gradually over time.

Remember to fully charge the battery before your first ride. The battery may be low when you receive your new trike.

- 1)** While charging the Battery, keep the key switch OFF.
- 2)** Verify that you are using the correct charger for your vehicle, and that the charger input power is compatible the "house current" in your area.
- 3)** Keep the charger and battery away from water to prevent electrical shock and shorting. The charger is intended for indoor use only.
- 4)** Plug the end of the charger's cord into the socket of the **adaptor** first. Next connect the adaptor to the trike (the charger port in located below the rear basket). Then plug the chargers' AC cords into the wall outlet.
- 5)** Read the charger label to learn about the charger indicator lights, and their meanings.
- 6)** Generally, a short drive will require a short time to re-charge, and a long ride will require a longer time. A complete (90%) discharge may require 6 hours to recharge. To prevent electrolysis (battery fluid loss by hydrogen generation,) do not charge for longer than eighteen hours.

Before riding the electric trike for the first time, you must charge the batteries for 4-6 hours using the supplied charger. To charge, pull the protective cover from the charging sockets. Then plug the charger into the charging sockets, and plug the chargers into a wall outlet.

Night Riding

A rider is very difficult for motorists to see at dusk, at night, or at other times of poor visibility. If you must ride under these conditions, check and be sure you comply with all local laws about night riding; follow the Rules of the Road, and take the following precautions:

Make sure that your Trike is equipped with correctly positioned and securely mounted reflectors. Make sure your clothing or cargo does not obstruct a reflector or light. Wear light colored, reflective clothing and accessories, any reflective device or light source that moves will help you get the attention of approaching motorists, pedestrians and other traffic.

Ride slowly. Avoid hazards, such as potholes and curbs.

Avoid areas of heavy traffic, dark areas, and roads with speed limit over 35 MPH. If possible, ride on routes already familiar to you.

Ride at night only if necessary. Slow down and use familiar roads with street lighting, if possible.

Other Reminder

The battery does NOT require deep discharging. If your Trike is put into storage, recharge its battery at least once every 90 days.

Do not store your Trike in direct sunlight for an extended time.

Store your Trike in a dry place. Exposing your Trike to rain, snow, or other precipitation may result in damage.

WARNING

Do NOT OPEN THE PACK or place the battery near heat or fire. Do not expose the chargers to water.

Front and Rear Tires

The changing method of the front tire is the same as common tricycle. It is more complex to change the rear tire because of the motor and brake assemblies, and associated wiring and cabling. If you are not comfortable with undertaking this operation, you can ask your servicing dealer or mechanic to change it.

Lubrication

You should inspect and maintain your trike and lubricate the mechanical power transmission components. The brake cables may also need lubrication.

Lubricate the brake cables with silicone or graphite lubricant. Maintenance period: one month.

Lubricate the fork Shock Absorber tube, axle rim, and the axle ball bearing with SH/T0386 lubricant, bicycle or lithium grease. Maintenance period: one year.

Cleaning

1) Never wash the bike using high-pressure water, as it will cause damage to the electric bike.

2) Never use lubricant to clean the metal parts of the bike and never apply lubricant to the drum brake and the tire.

Committed to Quality and Reliability!

The electric tricycle should be checked from time to time. Refer to the maintenance schedule in the following chart:

Check • Adjust ◊ Lubricate Δ

Parts	Daily	30 days	180 days
Bolts, nuts, screws etc- to ensure that nothing is loose.	•	•◊	•Δ
Footboard-to ensure it is not worn out	•	•Δ	•Δ
Tire pressure-to ensure good tire pressure	•		
Drive equipment-to ensure good position; not too loose, nor too tight	•	•◊	•Δ
Brake pads-to ensure it is not worn out		•◊	•◊
Wheel rim-to ensure it is not distorted		•	•
Steering Linkage-to ensure it is not distorted		•	•Δ
Front light, bugle-to ensure functioning properly	•		
Brake-to ensure it is working properly	•	•◊	•◊
Throttle-to ensure that it is working properly	•		
Steering system-to ensure operation is normal	•	Δ	
Wheel axle-to ensure if it is loose	•		Δ
Motor-to see if it is working properly	•	◊	◊

If you find problems that you cannot solve them yourself during your inspection and maintenance, please send your scooter to your servicing dealer for help. Never take apart or repair the bike by yourself. If it causes any problem and voids the warranty, a service fee will be imposed.

Faults and Troubleshooting

Faults	Causes	Troubleshooting
Sometimes there is no showing of electric quantity	1.Battery has no electricity 2.Fuse burned 3.Battery contacts is damage 4.Bad fuse or heat deformation	1.Recharging 2.Replace fuse 3.Replace contacts 4. Replace safety socket and fasten it.
Having power but the motor does not work	1.Loosened connection between the controller and motor 2.The brake grips does not revert 3.speed handle connection is off	1.make them tightened 2.Loosen the brake 3. Tighten the connections.
Abnormal motor sound	Low Voltage Faulty motor	Re-charging Replace or repair the motor
Charger does not operate or the green light is bright when start charging	1.Faulty fuse 2.Bad contact between the battery and charger plug 3.Cable for contacting battery is off 4. Controller shares cable with the power cable.	1.Replace the fuse (3A) 2 Plug in or replace the plug 3. connect the cable 4.open the power lock and recharging
Motor runs at max. speed after the power is turned on	1.Speed grips is bad (three cable disordered) 2.Controller damaged	1. Adjust the cable 2.Replace the controller(by distributor)

These are additional help to your Electric Tricycle.

1/ Carefully unpack your tricycle. We usually ship it on a wooden pallet.

Make sure to line-up the cone-shaped nut properly with the handlebar so it can slide into the front fork.



Tighten the nut on the top of the handlebar.

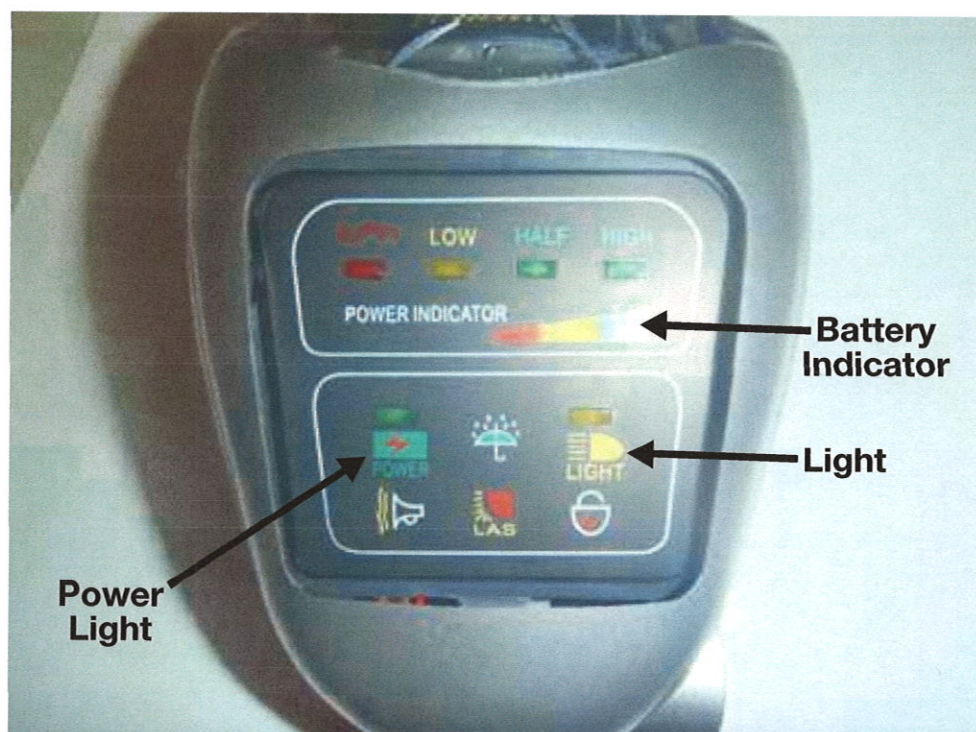


Remove these two parts off the front cable

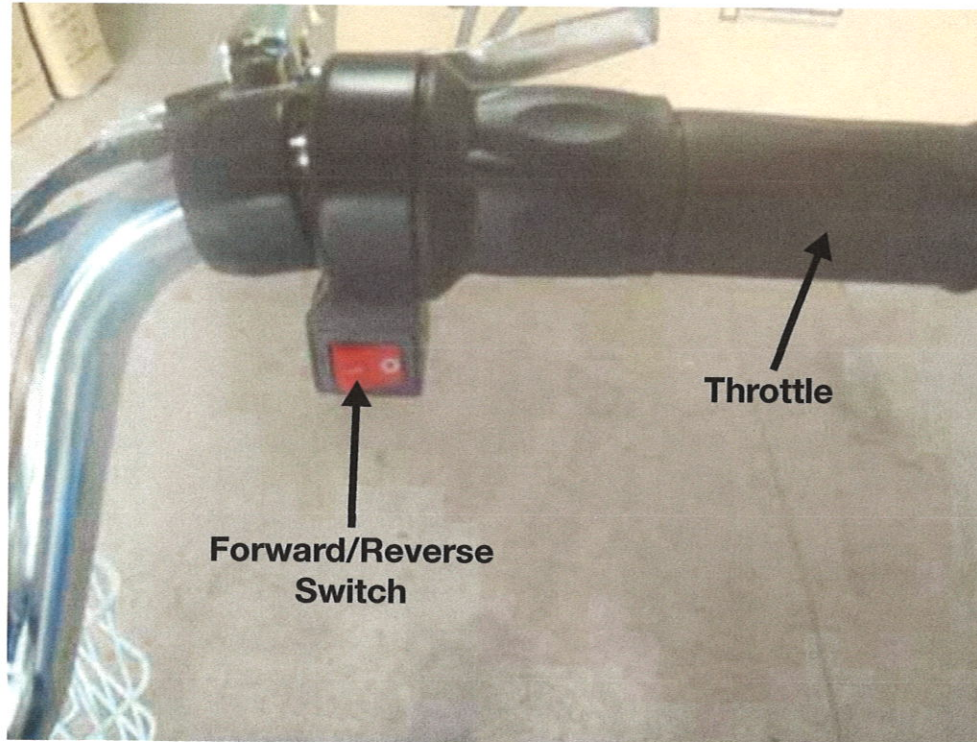




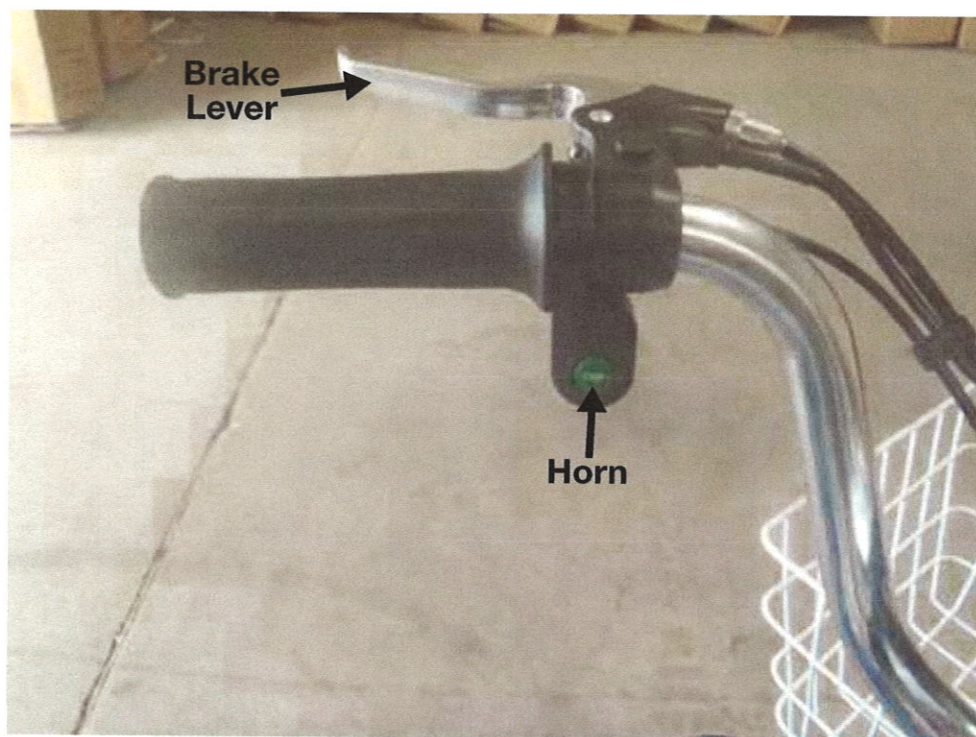
Insert key and turn to power on electronic.



PLEASE NOTE THAT YOUR TRIKE MAY HAVE A DIFFERENT, NEWER VERSION INSTALLED.



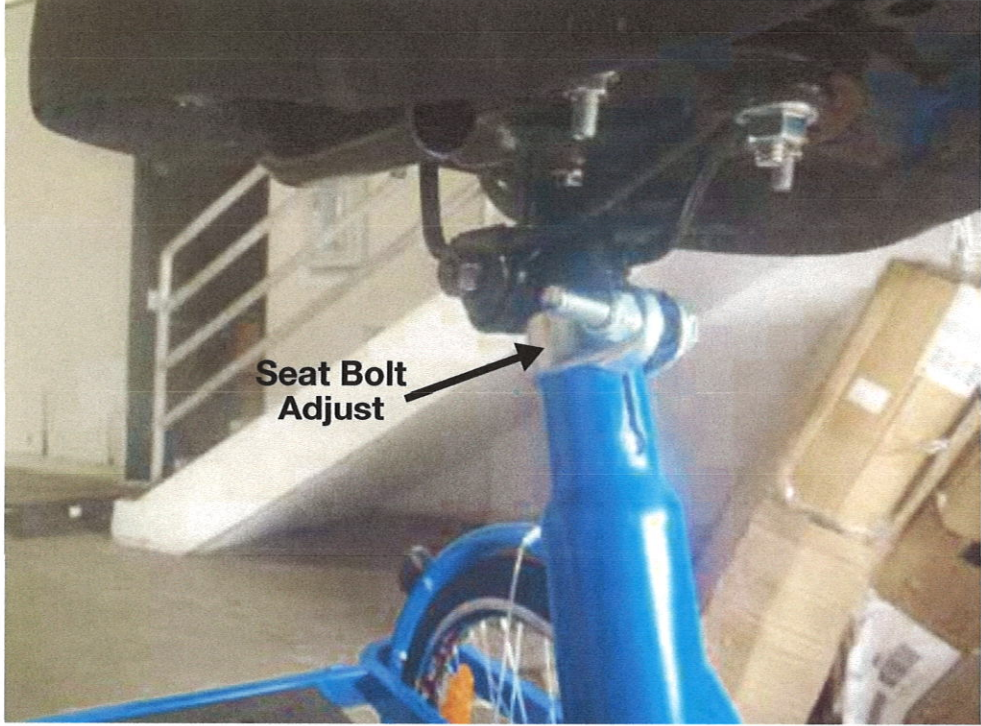
Twist throttle to engage electric motor.

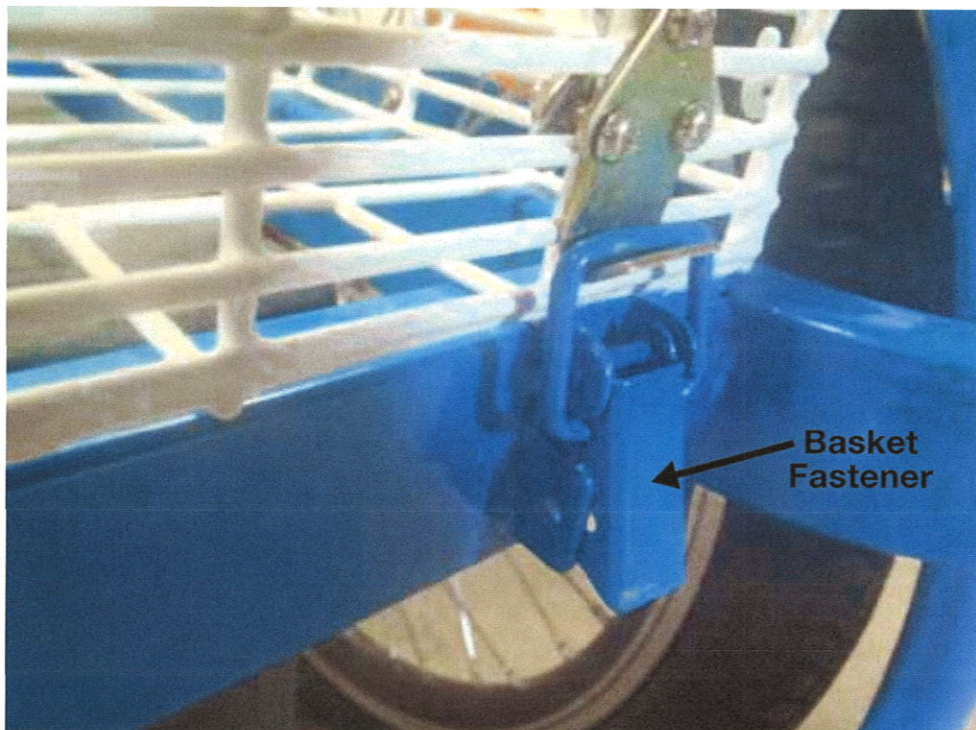


Press horn (green circle) to engage horn.

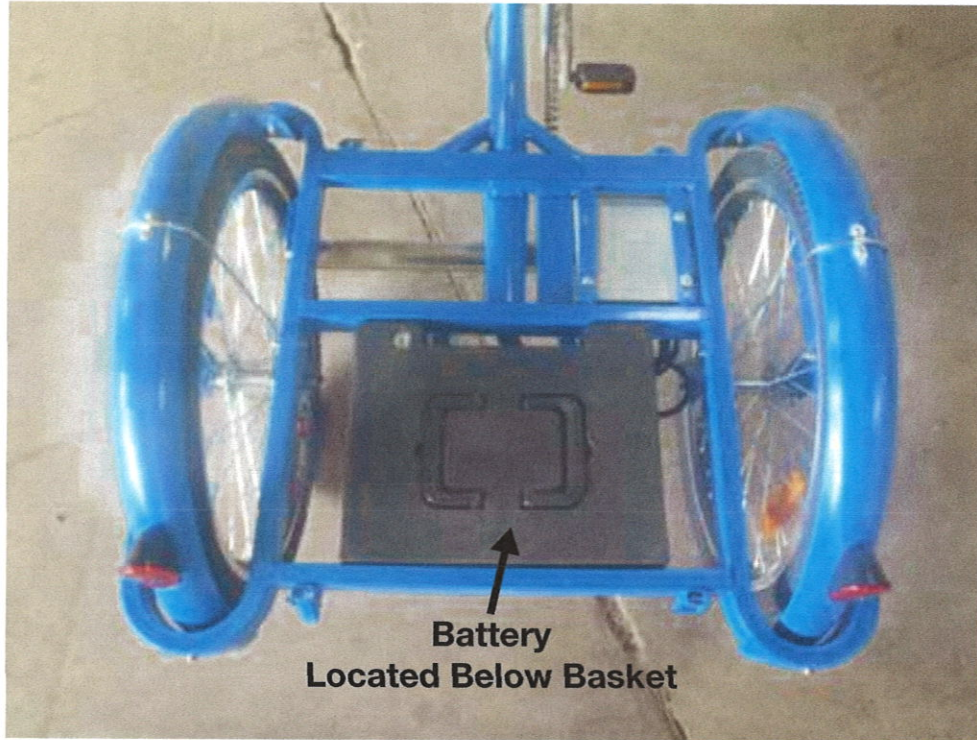


Squeeze break lever and push down break lock.





Remove basket simply flip up all four break fasteners.
Your trike may have the four wingnuts fasteners instead of the latch.

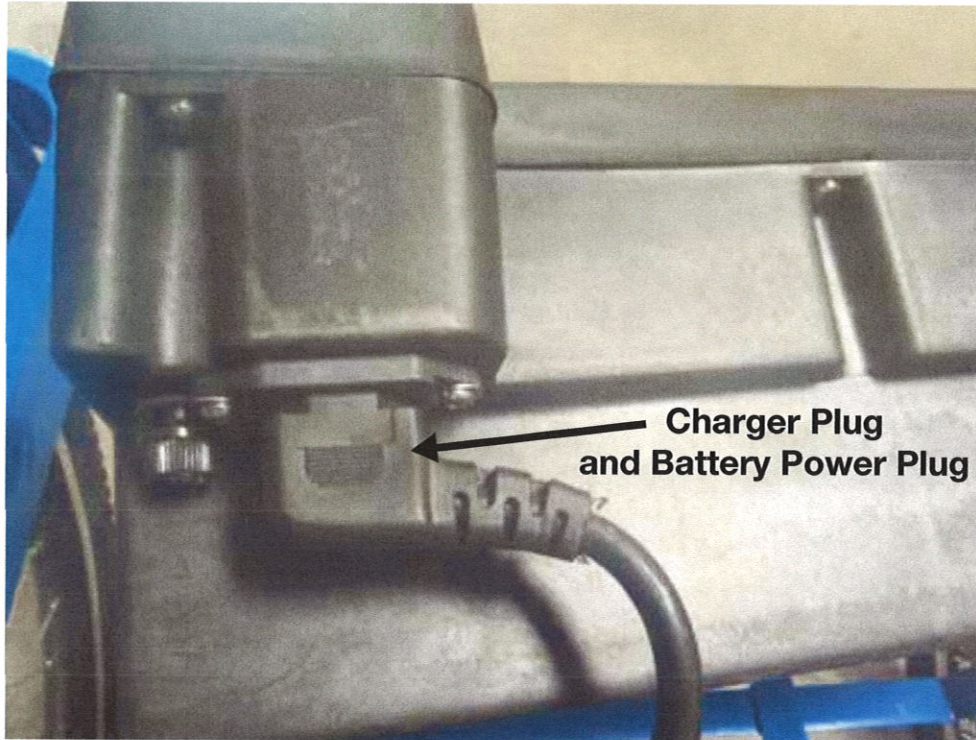


**Battery
Located Below Basket**

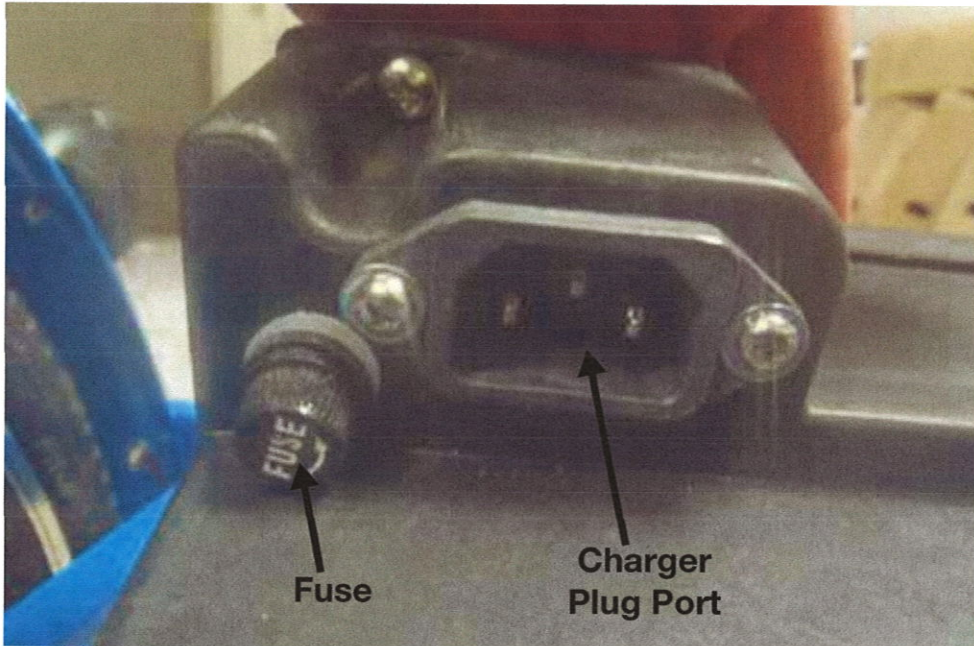


**Battery Key
Lock**

Turn key to lock or unlock bike battery.

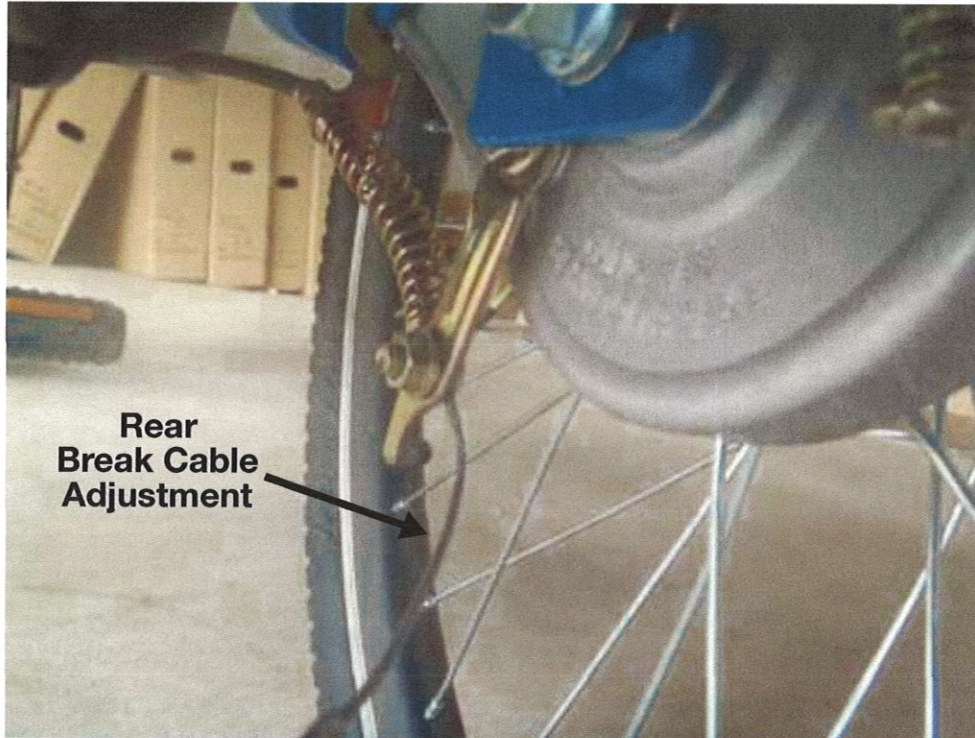


It is important to insert bike power plug into the charger plug port.

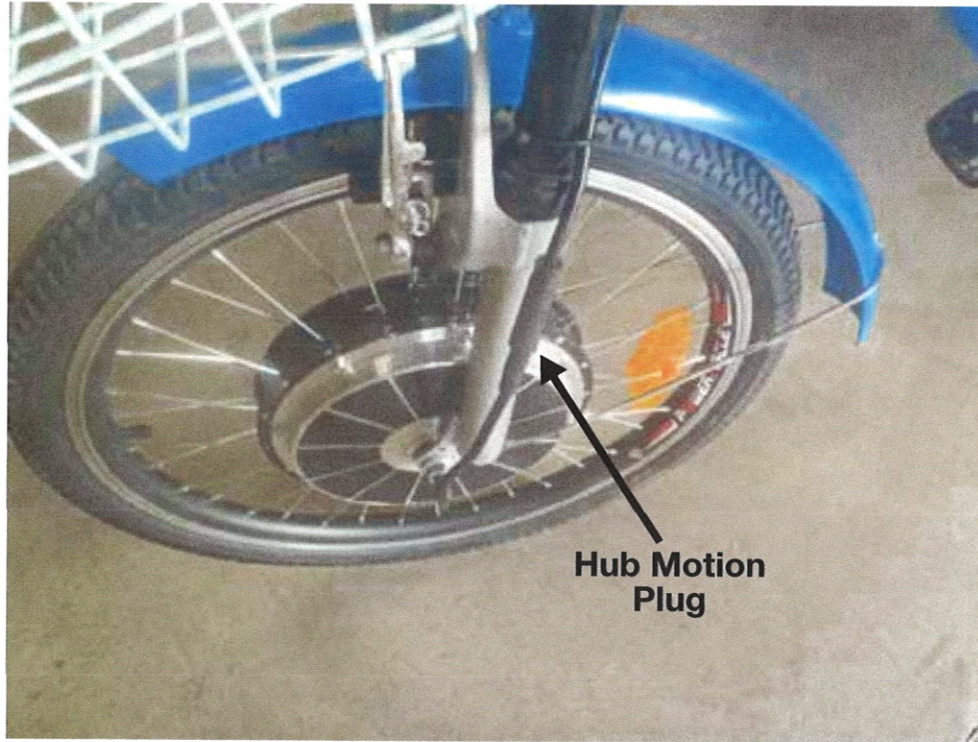


Remove the fuse cap to replace the fuse.

The charger plug port can be used to charge the battery by simply inserting charger plug directly into the charger port.



Both front and rear brakes can be adjusted by adjusting the brake cable to your satisfaction.



The hub motor plug must be pulled apart to remove the front wheel.

Rearview Mirror Installation

1/ Remove the screw from the handlebar



2/ Insert the mirror in the place of the removed screw

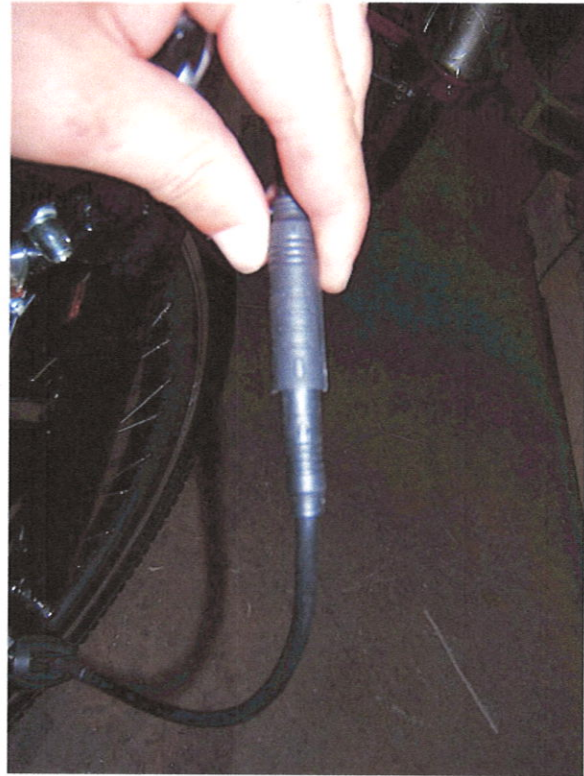


IMPORTANT INFORMATION FOR YOUR ELECTRIC TRICYCLE

FRONT WHEEL CABLE ASSEMBLY:

Make sure to insert the plugs firmly by lining-up the two arrows so they face each other.

They must be pushed together very tightly!



CHARGING THE BATTERY:

There is a black cable with a plug underneath the battery pack. That cable plugs into the battery pack.

To charge the battery, you need to plug the charger directly to the battery pack and NOT to the wire plug underneath the pack.

SEAT POST ASSEMBLY;

The seat post will not be tight enough and your seat will not be stationary if you do not tighten it properly!

If you are unsure how to do it, or if you are having any problem with the other steps of the assembly, we suggest that you seek help at your local bike or scooter store.

IMPORTANT INFORMATION FOR YOUR ELECTRIC TRICYCLE

Turn the fork 180 degrees so it will face forward and remove the plastic shipping aid.



Insert the wheel between the forks. Make sure that the flat surfaces on the wheel's axle are resting on the flat surfaces of the forks. Otherwise your wheel will not be positioned and you may damage the cable coming from the axle. If so, it will void the warranty! There may be washers between the wheel and the fork on the left side, and one washer between the fork and the wheel on the right side. The safety washer is outside of the fork as shown on the picture.

If the washers do not fit through the small hole, please turn them so they can be positioned between the forks.

