

⚠ WARNING! *Serious injury or damage can occur with using this product. Read and understand this manual before using the Electric Fat Trike.*

ELECTRIC FAT TRIKE

OWNER'S
MANUAL



ElectricTrike.com

Support@ElectricTrike.com | 1-800-375-0224

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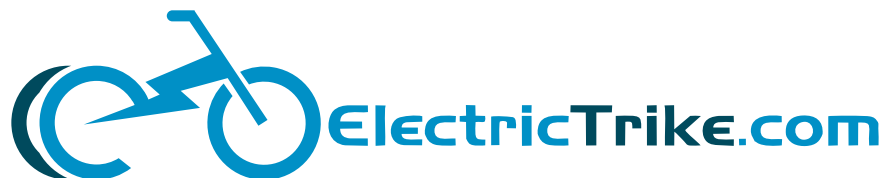
WARNING!

**SERIOUS INJURY OR DAMAGE CAN OCCUR
WITH USING THIS PRODUCT.**

**ACCESS AND READ THE INSTRUCTIONS AND
WARNING MANUAL FOR THIS PRODUCT
BEFORE ASSEMBLY AND USE!**

**DO NOT ASSEMBLE AND USE YOUR
ELECTRIC FAT TRIKE WITHOUT FIRST READING
AND UNDERSTANDING THE MANUAL.**

Failure to read and understand the electric Fat Trike Owner's manual and its warnings specific to this product could result in dangerous situations, accidents, damage to the electric tricycle, damage to property, injury to you and others, or death.



WELCOME TO THE ELECTRIC FAT TRIKE FAMILY!

Congratulations on making the empowering choice to buy an electric Fat Trike! We're thrilled to welcome you to our vibrant community of riders who have discovered the joy of being active, the excitement of newfound independence, and the exhilarating freedom of riding our electric trikes. Many of our customers share how riding the electric Fat Trike gives them the delightful sensation of being a kid again. We're confident this purchase has changed or will transform your life in many ways.

Stay connected and fuel your passion even more by following us on Facebook, Instagram, and Twitter. Dive into our Electric Trike Owners group to share your experiences, post pictures, ask questions, and offer insights to those curious about the world of electric Fat Trikes. Your voice and story can inspire and guide others on this electrifying journey. And for the most trusted information and updates, always turn to ElectricTrike.com.

Welcome Aboard, and Happy Triking!

CONTACT ELECTRIC FAT TRIKE

OPERATING HOURS:

- Monday to Friday from 9 am to 5 pm (Eastern Standard Time)

GET IN TOUCH:

- Email: support@electrictrike.com
- Phone: 1-800-375-0224
- Website: <https://www.electrictrike.com>

RESOURCES & SUPPORT:

- Our Service Desk is ready to assist you. Send your questions, images, and videos to Text: 215-586-4522 for prompt assistance.
- Watch our Helpful Videos to gain a better understanding of the Electric Fat Trike. Link: <https://www.electrictrike.com/pages/electrictrike-helpful-videos>

STAY CONNECTED ON SOCIAL MEDIA:

- **Facebook:**
 - ElectricTrike.com Official Page: <https://www.facebook.com/electrictrikeUSA>
 - Electric Trike Owners Group: <https://www.facebook.com/groups/electrictrike>
- **Instagram:** Follow us at <https://www.instagram.com/electrictrike>
- **Twitter:** Follow us at <https://twitter.com/electrictrike>

We look forward to serving you and being a part of your Electric Fat Trike experience!

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TERMS AND CONDITIONS

ElectricTrike.com is a subsidiary brand of Electric Bike Technologies, Inc. Users must follow the instructions and warnings contained on this page, in supplied videos* and in this manual where provided for safety. Do not attempt to operate your electric tricycle from Electric Bike Technologies, Inc. until you have adequate knowledge of its control and operation. Damage caused by failing to follow instructions is not covered under warranty. Failure to read and understand instructions and warnings specific to this product could result in dangerous situations, accidents, damage to the electric Fat Trike, damage to property, injury to you and others, or death. If you have any questions about assembly or operation, contact customer service at **1-800-375-0224** or by email at support@electrictrike.com.

It is impossible to anticipate every situation or condition that can occur while riding; Electric Bike Technologies, Inc. makes no representations about the safe use of electric bicycles or tricycles under all conditions. There are risks associated with the use of any electric bicycles or tricycles that cannot be predicted or avoided and are the sole responsibility of the rider and you and any user assume such risks.



* Want to Learn More About Your **Electric Fat Trike?**

Watch Our Helpful Videos Page

Click or copy this link: <https://www.electrictrike.com/pages/electrictrike-helpful-videos>

RETURNS AND REFUNDS

RETURNS WITHIN 30 DAYS

Buyers may return any undamaged and unused products (including fully assembled electric tricycles) **within 30 days of delivery** for a full refund minus a 25% restocking fee. Shipping charges are non-refundable. Return shipping and insurance are the responsibility of the buyer. Please save your box and take extreme care in repackaging the electric Fat Trike.

Items must be received at Electric Bike Technologies, Inc. in Croydon, PA, no later than thirty days after our original shipping date. If the electric Fat Trike is returned in less than new condition or refusal on delivery, Electric Bike Technologies, Inc. reserves the right to deduct any wear or damages, including excessive mileage or extra shipping costs due to refusal. Please save your box and take extreme care in repackaging the electric Fat Trike.

REFUSED AND/OR UNDELIVERABLE ITEMS

Any order that has been shipped and refused by the consignee (customer) will have the 25% restock fee and the actual published two-way shipping charges—even if the item was offered with free promotional shipping. We do not guarantee on what day your item will arrive since it may go through multiple parties until it reaches you.

Warranties are limited to the replacement of parts and/or products determined by Electric Bike Technologies, Inc., at its sole discretion, to be defective.

CANCELLATIONS

Any order that has been processed will have a 6% processing fee. If an order has been sent to packing, it will have a 15% packing and processing fee. Any order that has been shipped cannot be canceled. All cancellations and modifications to the original order must be made in writing or by email. Send your email to support@electrictrike.com.

SHIPPING CHARGES

All shipping charges related to returns or repairs not covered under warranty are the buyer's responsibility. The customer is responsible for the entire cost (not the flat rate that we charge) for shipping and insurance. Shipping charges are non-refundable.

REFUNDS

Refunds are issued within two days of receipt of the returned merchandise. Please allow 3-6 business days for the credit to appear on your credit card. Any type of refund, including but not limited to cancellations, refused items, etc., will be made back to the credit card or however the consumer paid.

RETURNS AND REFUNDS (CONTD.)

NOT-RECEIVED CLAIM

The Customer is responsible for all return shipping costs unless a warranty claim (if applicable) and, if not paid directly by the Customer, the Customer authorizes the Company to debit his/her account for such transaction.

These items are shipped and packed according to the freight company's policies. Therefore it is the purchaser's (customer) responsibility to check the package and the electric Fat Trike for damaged or shifted components before riding and get fixed or adjusted before riding.

The manufacturers of these products reserve their rights to modify, and add or remove parts, add or remove features of the items according to their latest research and development without prior notice to the seller and customers.

DAMAGE AND SHORTAGE CLAIM

Damage resulting from shipping is the shipping company's responsibility, and the purchaser is responsible for notifying Electric Bike Technologies, Inc. on the day of delivery and filing an insurance claim with the shipping company.

Any item that was received by the consignee (customer) without noting any damage/shortage on the delivery manifest is considered to be received without any damage/shortage.

Any item that was not returned for service within seven days from the date on which it was delivered is considered to be free of defect upon arrival.

NON-MERCHANTABILITY (USABILITY), OR NOT AS DESCRIBED CLAIM

The company must be notified via email within seven days of delivery, and the customer must ask for a Return Authorization. Without such Authorization, the return will be refused. No such claim will be accepted after seven days.

WARRANTY

LIMITED WARRANTY

The electric Fat Trike is warranted to the original retail purchaser to be complete and free from defects in materials and workmanship for one year from the date of delivery. The warranty covers every component from manufacturing defects. The warranty begins on the date of delivery, according to the tracking data provided by the shipping company. The warranty only covers new Electric Bike Tech products that were purchased from Electric Bike Technologies, Inc. All other parts and components are excluded from this warranty. Electric Bike Tech products warranties are effective from the date of delivery receipt by the Customer, provided the product is purchased in new condition.

WHAT ISN'T COVERED BY THE ELECTRIC FAT TRIKE WARRANTY

SPIN OUT-This is spinning out the axles inside your dropouts. The torque arm must be always installed. When fixing a flat, make sure your mechanic correctly reinstalls the torque arm or damage can occur.

OVER VOLTAGE-Connecting a larger battery, as in larger than the supplied 48-volt battery, can damage the controller and other system parts. Only purchase replacement batteries from Electric Bike Technologies, Inc.

IMPROPER BATTERY MAINTENANCE-Is damage to the battery and or battery cells due to improper care and overcharging, undercharging, punctures, dropping the battery, or using a charger that has not been approved for use by Electric Bike Technologies, Inc. Lithium-Ion batteries require proper charging cycles to maintain the life and integrity of the cells. Failure to adhere to the *proper care* and *upkeep directions* on **pages 47-50** could potentially fail the battery and cause damage to the cells, which could result in bodily injury or death.

DAMAGE-Caused by the weather, exposure to water, dropping, or any collision is not covered under warranty.

ALTERED PARTS-The use of unauthorized service, parts, and/or components, or altering of any and all provided parts or components, including battery and/or electric systems.

OTHER MANUFACTURERS-Parts from other manufacturers may carry a warranty with their respective manufacturer and it will be the purchaser's responsibility to pursue such warranties.

INTERNATIONAL SALES (EXCLUDING CANADA)-The electric Fat Trike warranty does not extend to international or domestic customers who have taken their electric Fat Trike abroad. Regardless of defects in materials or workmanship, Electric Bike Technologies, Inc. will not cover the cost of replacement parts, shipping, or repairs outside of the 48 continental United States. All sales outside the contiguous USA are final and not subject to our return policy.

WHAT ISN'T COVERED BY THE LIMITED ELECTRIC FAT TRIKE WARRANTY

Warranties are limited to the replacement of parts and/or products determined by Electric Bike Technologies, Inc., at its sole discretion, is to be defective.

Warranties do not apply to normal wear and tear; any damage, failure and/or loss caused by accident, shipping, misuse, neglect, abuse, and/or failure to follow instructions or warnings as stated on the product or in the applicable owner's manual or other printed materials provided with the product; damage, failure, and/or loss caused by the use of the product for stunt riding, ramp jumping, competition, off-road use, acrobatics, trick riding or other similar activities, or use in any other manner for which such products were not specifically designed.

WARRANTY (CONTD.)

Rentals, Commercial Use, and Non-Authorized or 3rd Party Sellers. The electric Fat Trike limited warranty does not cover or apply to any Electric Bike Technologies, Inc. product used for rental or commercial purposes unless the specific product is designated, labeled, or marketed by Electric Bike Technologies, Inc. as acceptable for rental or commercial use. The electric Fat Trike Limited Warranty does not cover or apply to any Electric Bike Technologies, Inc. product sold by a non-authorized reseller or retailer.

WARRANTY CLAIMS

Those parts and/or products that are determined by Electric Bike Technologies, Inc., to be defective and to qualify for warranty replacement will be provided at no charge only after a valid warranty claim is processed by Electric Bike Technologies, Inc's. customer service department. Warranty claims must be made by the original purchaser by contacting the Electric Bike Technologies, Inc. customer service call center for the electric Fat Trike at **1-800-375-0224** within the warranty period (stated above). Shipping and handling fees will be paid by Electric Bike Technologies, Inc.


Electric Bike Technologies, Inc., at its Sole Discretion, has the Option of Replacing it with a New Part or Factory Re-Certified Part. The limited warranty stated herein is in lieu of and expressly excludes all other warranties not expressly set forth herein, whether expressed or implied by law or otherwise, including, but not limited to, any warranties for merchantability and/or fitness for any particular purpose. Electric Bike Technologies, Inc. shall in no event be liable or responsible for incidental or consequential losses, damages, or expenses in connection with their products. The liability of Electric Bike Technologies, Inc. hereunder is expressly limited to the replacement of goods complying with this warranty or, at the sole discretion of Electric Bike Technologies, Inc., to the repayment of an amount equivalent to the purchase price of the product in question.


SYMBOLS AND WARNINGS


Like any sport, cycling involves the risk of injury and damage. By choosing to ride an electric tricycle, you assume the responsibility for that risk, so you need to know and practice the rules of safety, responsible riding, proper use, and maintenance. The appropriate use and maintenance of the electric Fat Trike will significantly reduce the risk of an injury.


It's impossible to anticipate every situation or condition which can occur while cycling, this electric Fat Trike owner's manual makes no representation about the safe use of the electric tricycle under all conditions. There are risks associated with the use of any electric tricycle which cannot be predicted or avoided and which are the sole responsibility of the rider.

When reading this electric Fat Trike Owner's manual, you will note various important symbols and warnings will be located just under the title of the page. Please read the Warnings, Cautions, Tech Tips, or Notes first before reading the rest of the page. Below are the symbols and warnings explanations.

 **WARNING!** The combination of this symbol and words indicates a potentially hazardous situation that, if not avoided, could result in serious injuries or death. Many of the warnings say, "you may lose control and fall." Because any fall can result in serious injuries or even death, we do not always repeat the warning of possible injury or death.

 **CAUTION:** The combination of this safety alert symbol and the word **CAUTION** indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury or is an alert against unsafe practices. The word **CAUTION** used without a safety alert symbol indicates a situation that, if not avoided, could result in severe damage to the electric tricycle or the voiding of your warranty.

 **TECH TIP:** This symbol offers helpful tips and tricks regarding installation and use.

 **NOTE:** This symbol alerts the reader to information that is particularly important and useful.

FOR THE PARENTS

⚠ WARNING! Ensure that your child and/or adult always wears an approved bicycle helmet and closed-toe shoes when riding. It's also important that your child understands that a bicycle helmet is for bicycling only and must be removed when not riding. Failure to follow this warning could result in severe injury or death.

It's essential to understand the basics of riding the electric Fat Trike but it's equally important to exercise common sense when cycling. Cycling is a dynamic sport and requires reacting to varying situations. Like any sport, cycling involves risk of injury, damage to yourself, others, properties, and death. By choosing to ride the electric Fat Trike, you are assuming responsibility for those risks.

If you purchase (or received it as a gift) the electric Fat Trike for a minor, it's essential that a responsible adult/parent thoroughly review and read the electric Fat Trike owner's manual to the minor.

As the parent or guardian, you must read this manual and review its warnings and the electric Fat Trike's functions and operating procedures with your child, and make sure the child understands and can implement them, before letting your child ride the electric Fat Trike. You should be there and assist your child while learning to ride. Children need to be able to use the trike and control it in any and all situations, including hills, slopes, and varied surfaces. All minor riding and use of the electric Fat Trike should be done under and with adult supervision.

In addition to specifics as to this product and trike riding, you also need to use common sense and teach your child about bicycle and traffic laws and signs, and riding in shared urban areas.

The electric Fat Trike is not made or intended to be ridden by more than one person at a time. It is not intended to carry multiple people or minors.

As the parent or guardian, you must read this manual and review its warnings and the electric Fat Trike's functions and operating procedures with your child before letting your child ride the electric Fat Trike.

This manual will answer many of your questions but if you encounter any problems or still have a question, contact customer service at **1-800-375-0224**, before riding the electric Fat Trike.

RIDER RESPONSIBILITIES

⚠ WARNING! Potential for Injury! Read and understand this manual before assembly and use! It would be best to practice riding your electric tricycle by starting slowly and improving your skills.

- The operator (rider) is solely responsible for obeying all federal, state, and local traffic laws and any other law related to electric bicycles, tricycles, or other vehicles. Electric Bike Technologies, Inc. assumes no legal responsibility for the operation of its products on public or private property.
- Electric Bike Technologies, Inc. cannot offer any legal advice pertaining to the operation of the electric tricycle in a particular area and does not guarantee that the electric tricycle are legal for you to operate.
- Electric tricycles may be restricted in speed or power output in your area. As the operator (rider), it is your responsibility to research, understand, and obey all applicable laws.
- Always wear a helmet and closed-toe shoes. Obey all rules of the road and all local traffic laws.
- Please only ride within your ability. Do not exceed safe speeds, corner quickly, or attempt to ride over uneven terrain. Failure to ride safely may result in severe injury or death.
- Do not operate your electric tricycle when weather, road conditions, or traffic make it unsafe to do so.
- Since the electric Fat Trike arrives fully assembled, the operator (rider) needs to inspect the trike upon arrival, test and maintain the trike. Electric Bike Technologies, Inc. disclaims that the Customer agrees to assume any responsibility and liability for injury, damage, or other consequences arising from the use of this product.
- Maintain your electric tricycle and service all parts regularly and scrutinize them before operation. Do not ride your electric trike if any of the components are cracked, loose, broken, or misadjusted. Seek a qualified bicycle mechanic to perform the tune-ups.
- Riding an electric tricycle can result in severe injury or death.

KID AND CARGO TRAILER SAFETY AND HITCH OR BIKE RACK SAFETY

KID AND CARGO TRAILER SAFETY

Please be aware that the use of (third party) kid trailers and/or cargo trailers will cause extra load stress and increase wear on the electric Fat Trike electric and/or mechanical parts.

Since there are different types of trailer attachments available (depending on brand/model/etc.), it is impossible to list each combination and predict the outcome for each usage scenario. There is no promise that such trailers can be connected or that they can be safely used with the electric Fat Trike and the Customer does assume all liability for such use, and Electric Bike Technologies, Inc. assumes no liability for such use.

Always follow the trailer manufacturer's instructions for installation, usage, and safety. Never modify the original parts of the electric Fat Trike to accommodate a (third party) trailer(s). Never exceed the total load weight of the electric Fat Trike. See **page 53**, for the **electric Fat Trike specs**.


HITCH OR BIKE RACK SAFETY

The electric Fat Trike is not a bicycle and is a unique shape and tricycle product. As such, it does not work with most, if not all, traditional bike racks and should not be used with such racks. Any such use of the electric Fat Trike on bike racks is done solely by the Owner's decision and the Owner/User assumes all risk and liability for such use. ElectricTrike.com recommends transporting the electric Fat Trike inside of vehicles or in another clearly secure manner to avoid damage to vehicle, your electric Fat Trike, or others due to improper or unintended bike rack usage and/or failure.

BICYCLE AND TRICYCLE SAFETY

1. Obey all rules of the road and all local traffic laws.
2. An electric tricycle is wider than a traditional bicycle and the rider should be aware of the surrounding space.
3. Always wear a helmet and closed-toe shoes while riding.
4. You are sharing the road or the path with others, including motorists, pedestrians, and other cyclists. Be mindful of their space and respect their rights.
5. Ride in designated bike lanes on designated bike paths or as close to the edge of the road as possible, in the direction of traffic flow or as directed by local governing laws.
6. Ride defensively. Always assume that others do not see you.
7. Look ahead, and be ready to avoid:
 - Vehicles slowing or turning, entering the road or your lane ahead of you, or coming up behind you.
 - Parked car doors opening.
 - Pedestrians stepping out.
 - Children or pets playing near the road.
 - Pot holes, sewer grating, railroad tracks, expansion joints, road or sidewalk construction, debris and other obstructions that could cause you to swerve into traffic, catch your wheel or otherwise cause you to lose control and have an accident.
 - The many other hazards and distractions which can occur on a bicycle ride.
9. Stop at stop signs and traffic lights; slow down and look both ways at street intersections. Remember that an electric bicycle and/or tricycle will always lose in a collision with a motor vehicle, so be prepared to yield even if you have the right of way. Don't assume what others will do.
10. Use approved hand signals for turning and stopping.
11. Never ride with headphones. They mask traffic sounds and emergency vehicle sirens, distract you from concentrating on what's going on around you, and their wires can tangle in the moving parts of the bicycle and/or tricycle, causing you to lose control.
12. Never carry a passenger, unless it is a small child wearing an approved helmet and secured in a correctly mounted child carrier or a child-carrying trailer.
13. Never carry anything which obstructs your vision or your complete control of the tricycle and/or bicycle, or which could become entangled in the moving parts of the electric trike.
14. Never hitch a ride by holding on to another vehicle.
15. Don't do stunts, wheelies or jumps. Think to take the large risks that go with this kind of riding.
16. Don't weave through traffic or make any moves that may surprise people with whom you are sharing the road.
17. Observe and yield the right of way.
18. Never ride your electric tricycle while under the influence of alcohol or drugs.
19. If possible, avoid riding in bad weather, when visibility is obscured, at dawn, dusk or in the dark, or when extremely tired. Each of these conditions will increase the risk of accident and damage to the electric trike.

ELECTRIC FAT TRIKE COMPONENTS

 **TECH TIP:** Please familiarize yourself with the component names of the Electric Fat Trike.



In the list below, components marked with an asterisk (*) have detailed images on the following pages.

- 1 - Seatpost Quick-Release
- 2 - Suspension Seatpost*
- 3 - Seat (Saddle)
- 4 - Seat Lever*
- 5 - Battery
- 6 - 33-Liter Drybag*
- 7 - Rear Fender
- 8 - Rear Wheel*
- 9 - Reflector

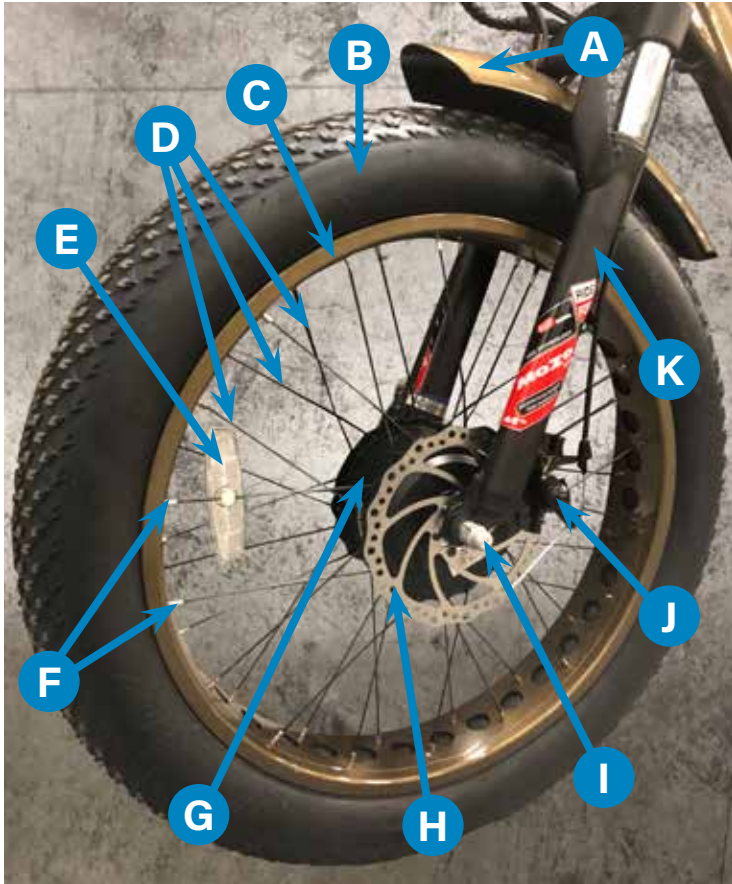
- 10 - Chain*
- 11 - Controller
- 12 - Crank Arm*
- 13 - Chain Guard*
- 14 - Pedal*
- 15 - Front Fork*
- 16 - Torque Arm*
- 17 - Front Wheel*
- 18 - Front Fender

- 19 - Headset
- 20 - Stem
- 21 - Handlebar*
- 22 - LCD*
- 23 - Shifter*
- 24 - Brake Lever*
- 25 - Grip*
- 26 - Down Tube
- 27 - Top Tube

DETAIL COMPONENTS

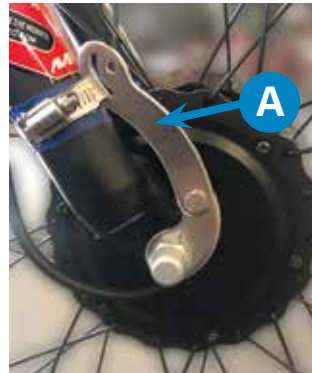
⚠ WARNING! DO NOT place your fingers or body parts in between the fenders and tires, while the tires are moving. This could result in an injury or a fall.

🔧 TECH TIP: Please familiarize yourself with the component names of the Electric Fat Trike.



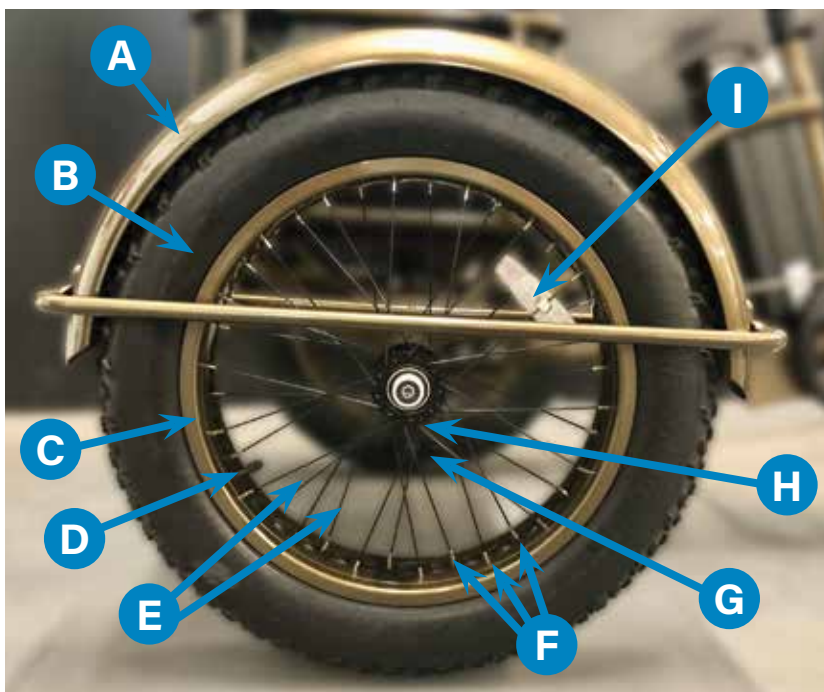
THE FRONT WHEEL

- A - Front Fender
- B - 20" x 4" Tire
- C - Rim
- D - Spokes
- E - Reflector
- F - Spoke Nipples
- G - Hub Motor
- H - 180mm Rotor
- I - Front Axle
- J - Brake Caplier
- K - Front Fork



THE TORQUE ARM

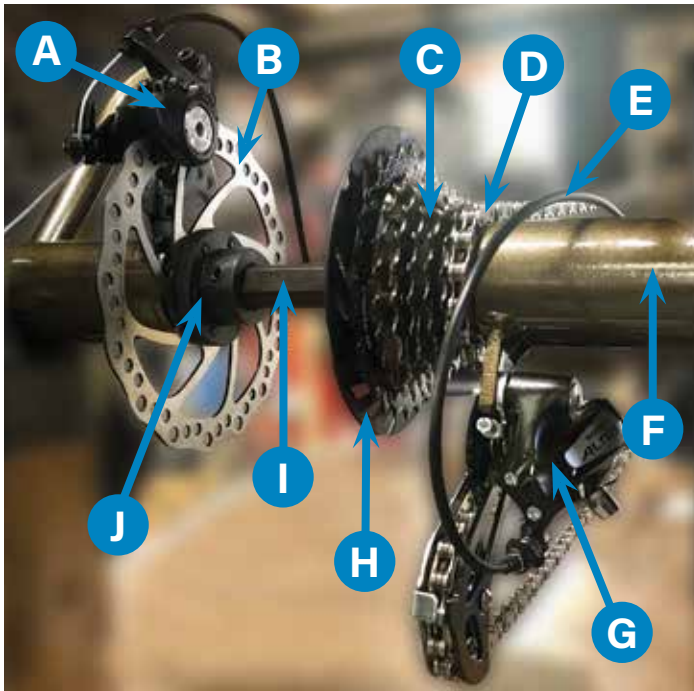
On the other side of the fork is the Torque Arm (image A).



THE REAR WHEELS

- A - Rear Fender
- B - 20" x 4" Tires
- C - Rim
- D - Schrader Valve
- E - Spokes
- F - Spoke Nipples
- G - Hub
- H - Axle
- I - Reflector

DETAIL COMPONENTS (CONTD.)

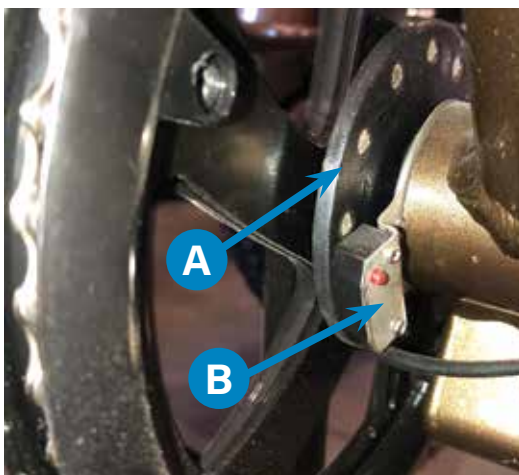
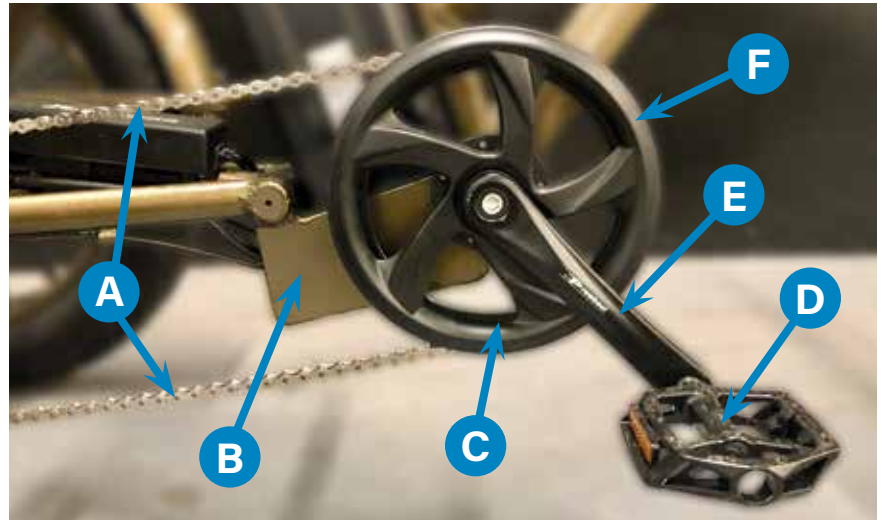


THE REAR FREEWHEEL COMPONENTS

- A - Rear Brake Caplier
- B - 160mm Disc Brake Rotor
- C - 7 Speed Cassette
- D - Chain
- E - Rear Derailleur Cable
- F - Frame
- G - Rear Derailleur
- H - Cassette Guard
- I - Axle
- J - Brake Rotor Adaptor

THE DRIVETRAIN COMPONENTS

- A - Chain
- B - Cable Housing Box
- C - Chain Guard
- D - Pedal
- E - Crank Arm
- F - 48 Tooth Chainring



THE PEDAL ASSIST SENSOR (PAS) COMPONENTS

- A - Snap Ring
- B - Sensor

DETAIL COMPONENTS (CONTD.)

THE HANDLEBAR CONTROLS

A - LCD

B - Bell

C - Brake Lever w/ Parking Lock

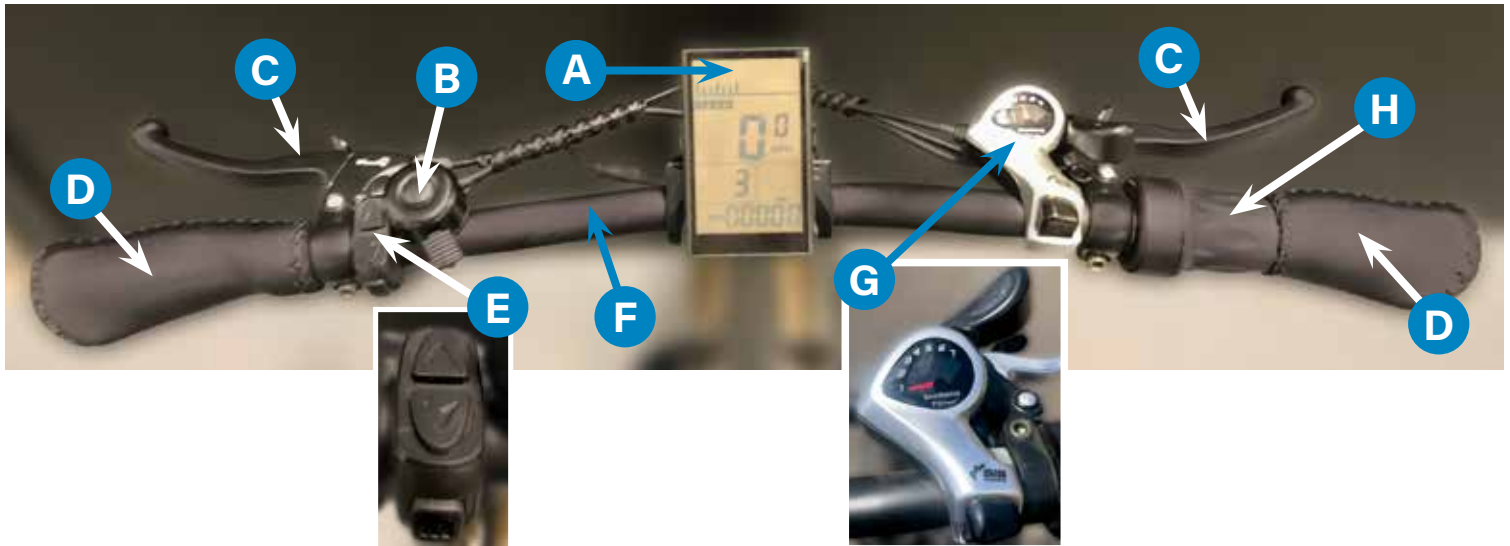
D - Grips

E - Remote Pad

F - Handlebar

G - Shifter

H - Twist Throttle



THE SADDLE COMPONENTS

A - Saddle (or Seat)

B - Saddle Lever

C - Seat Rails

D - Suspension

E - Quick-Release (QR)



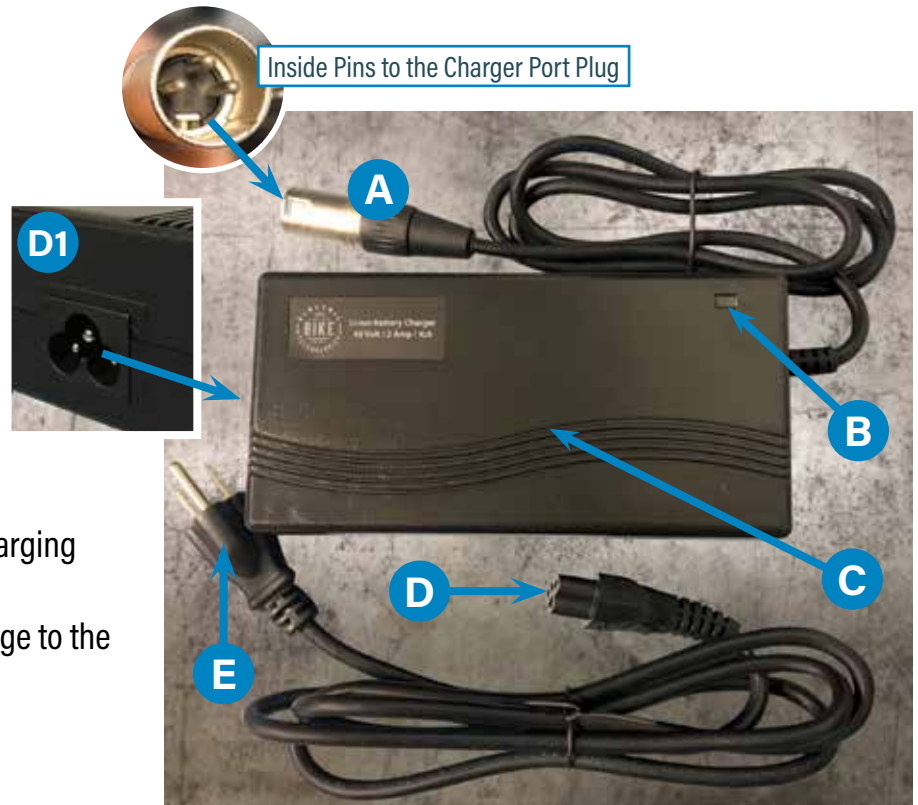
DETAIL COMPONENTS (CONTD.)

THE CHARGER COMPONENTS

- A - Charger Port Plug*
- B - Charging Indicator
- C - Charger
- D - Charger Cord Plug**
- E - Outlet Plug

* The Port Plug (A) plugs into the battery's charging port (H) in the image below.

** The Cord plug (D) plugs into (D1) in the image to the right.



THE BATTERY COMPONENTS

- G - Battery Handle
- H - Charger Port
- I - Battery Track
- J - Two Keys
- K - Ignition



UNPACKING THE ELECTRIC FAT TRIKE

⚠ WARNING! Be careful to avoid cutting yourself when using a sharp utility knife, wire cutter, scissors or other tools that have a sharp edge. **DO NOT** cut toward's one's self, always cut away from your body.

⚠ CAUTION: Since the electric Fat Trike arrives fully assembled, the operator (rider) is required to read this manual entirely to understand and learn how to operate the electric trike correctly. It's best to start slowly and practice to a point where you are comfortable operating this electric Fat Trike.

Federal Law mandates that no person under the age of 16 shall operate a motorized bicycle. Always wear a helmet, ride responsibly and observe all federal, state, and local laws.

💡 TECH TIP: Save the electric Fat Trike box for 30 days, in case you decide to return it for a refund. For more information on the return period, click or copy this link, <https://www.electrickrike.com/pages/terms-and-conditions>.

🚫 NOTE: If something is missing from your order or the trike has been damaged from the delivery, **DO NOT** ride the electric Fat Trike. Contact customer service at 1-800-375-0224 for further assistance.

Your electric Fat Trike was shipped to you, 100% fully assembled from our warehouse in Croydon, PA. Our skilled mechanics have assembled and tested your electric Fat Trike and carefully packed it into a heavy-duty cardboard box, and custom-built pallet.

Unpacking the electric Fat Trike will be easy, the only tools that you'll need is a sharp utility knife and a wire cutter (or a scissors).

Be careful to avoid cutting yourself when using a sharp utility knife, wire cutter, scissors or other tools that have a sharp edge. Do not cut toward's one's self.

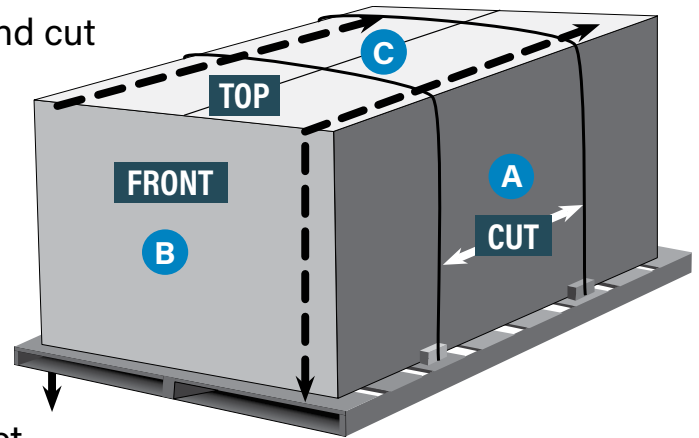
STEP ONE – Carefully use a wire cutter or scissor and cut the black bands (A) that strap the box to the skid.

STEP TWO – Carefully use a knife or scissors to cut or slice along the black dashed lines on the front (B) and on the top (C) of the cardboard box.

STEP THREE – Pull front (B) cardboard down and pull the top (C) back (away from you), to expose the electric Fat Trike inside the box.

STEP FOUR – Reach inside the box and cut all the zip-ties that secure the electric Fat Trike to the pallet. Be careful not to damage or scratch the trike with the wire cutter or scissor.

STEP FIVE – Slowly roll the electric Fat Trike outside of the box. Check the trike for any damages, that may have occurred during the delivery. If there's any damages, call customer service at 1-800-375-0224 for further assistance.



Learn by Watching Our **Helpful Videos Page!**

Watch Our Helpful Videos Page

Click or copy this link: <https://www.electrickrike.com/pages/electrickrike-helpful-videos>

THE WELCOME KIT

TECH TIP: Please familiarize yourself with the tools included in the multi-tool kit.

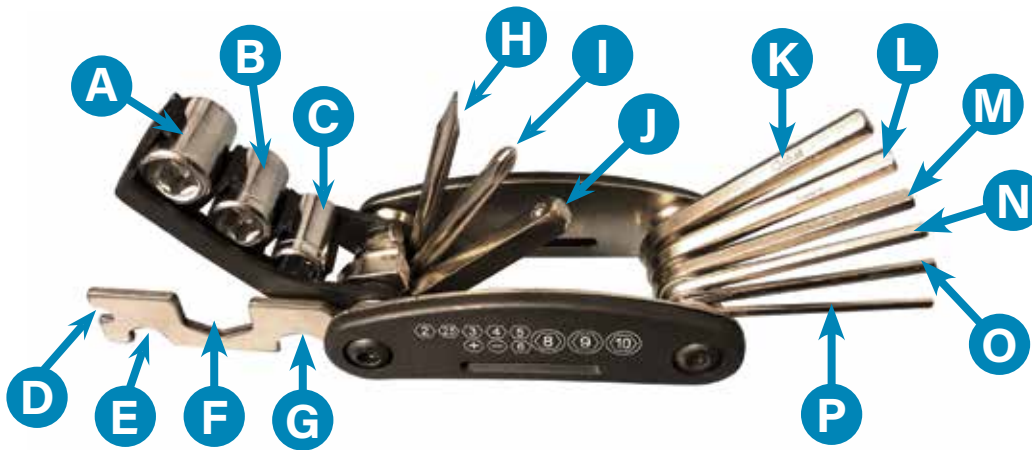
WHAT'S IN THE DRYBAG?

The Drybag in the rear basket contains the Welcome Kit, the battery charger and two battery keys, with additional ordered accessories or parts potentially located within the same Drybag. The Welcome Kit encompasses:

- A** – Thank You/Warning Letter
- B** – Multi-Tool Kit
- C** – Electric Bike Technologies Stickers



MULTI-TOOL COMPONENTS



- | | | |
|---------------------------------|--------------------------------------|----------------------------|
| A – 10mm Socket | G – 10mm Open End Wrench | M – 4mm Allen Key |
| B – 9mm Socket | H – Flat Head Screwdriver | N – 3mm Allen Key |
| C – 8mm Socket | I – Phillips Head Screwdriver | O – 2.5mm Allen Key |
| D – Spoke Wrench | J – Socket Arm | P – 2mm Allen Key |
| E – 8mm Open End Wrench | K – 6mm Allen Key | |
| F – 15mm Open End Wrench | L – 5mm Allen Key | |

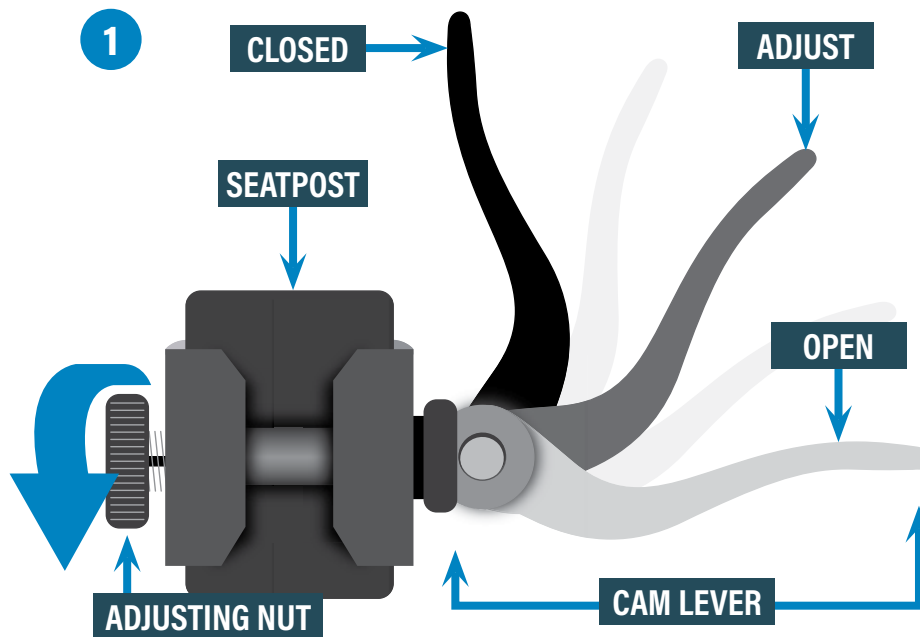
QUICK-RELEASE LEVER OVERVIEW

⚠ WARNING! Riding with an improperly tightened quick-release lever will result in the saddle to drop down inside the trike's frame and/or the saddle to twist which can cause you to lose control, fall, and be injured.

Less than a half a turn of the tension, the adjusting nut can distinguish between a safe and unsafe clamping force. If you have trouble clamping the quick-release lever closed, seek a bike shop, a neighbor, friend, or a family member for help. Please make sure that the quick-release is tight before and after every ride.

THE QUICK-RELEASE LEVER

The action of the cam lever squeezes the clamp around the seatpost to hold it in place. The amount of clamping force is controlled by the tension of the adjusting nut.



HOW TO TIGHTEN THE QUICK-RELEASE LEVER

Hold the adjusting nut (image 1) in place with one hand to keep it from turning and turn the quick-release lever clockwise with the other hand. The closed position for the seatpost quick-release lever is parallel to the frame.

Sometimes when tightening the quick-release lever clockwise, too much, the lever won't be in the closed position. You will need to release the lever by turning it counterclockwise, a half or one full revolution at a time, until you can close the lever into the closed position. Check to confirm that the seatpost quick-release lever is securely tight and there is no movement.

HOW TO LOOSEN A QUICK-RELEASE LEVER

Use one hand to hold onto the adjusting nut and use the other hand to pull the lever to the open position. Turn the lever counterclockwise to loosen the quick-release.

SEATPOST AND SADDLE HEIGHT

⚠ WARNING! MAKE SURE the seatpost minimum insertion line is below the seatpost clamp. If not, the seatpost will weaken and cause the seatpost to bend, crack, or break off. This could result in an injury or a fall.

Riding with an improperly tightened seatpost quick-release lever will move (as in twist) or drop down into the frame. This will cause you to lose control of the trike, fall, and be injured.

💡 TECH TIP: Just remember, if you place the seat higher than your handlebars, you will be applying more pressure on your neck, wrists, arms, and back.

Ⓝ NOTE: The electric Fat Trike seatpost **DOES NOT** have light blue lines. This color was used as a reference to highlight an area in the image.

HOW TO FIND YOUR CORRECT SADDLE HEIGHT

Finding the correct saddle height is essential in getting the most performance and comfort from your electric Fat Trike. Here are some ways to find your right seat height.

Sit on your electric Fat Trike, place one foot on the pedal, and rotate the crank until your foot is in the down position and the crank arm is parallel to the seat tube.

- If your foot isn't flat on the pedal and your heel is up, the seat is too high.
- If your leg is bent at the knee and your foot is flat on the pedal, the seat is too low.
- If your leg has a slight knee bend and your foot is flat on the pedal, the seat is at the correct height.

REPOSITIONING THE SEATPOST HEIGHT

Slightly loosen the seatpost quick-release lever by turning it counterclockwise. This will make it easier to slide the seatpost up or down in the frame.

Paying attention to the insertion line (image 2) is essential. The minimum insertion line should be positioned below the seatpost clamp and into the trike's frame (image 2a).

DO NOT clamp the seatpost quick-release under the minimum insertion line in image 2a (not actually colored lines on the trike's seatpost itself). Otherwise, the seatpost will bend or break, which will result in an injury or fall.

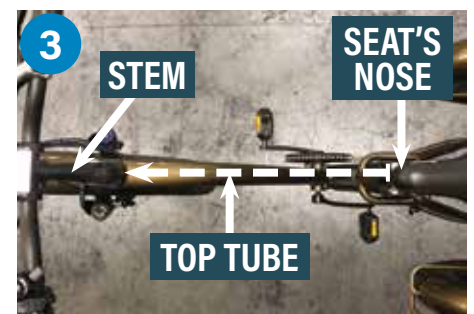
ALIGNING AND TIGHTENING

Before you tighten the quick-release lever, check to see if the nose of the saddle is facing forward and in line with the top tube of the trike (image 3).

The quick-release lever must be clear of the battery, otherwise the battery will be blocked, from being removed from the trike. Re-align the quick-release like it is shown in image 4.

Tighten the quick-release lever by turning it clockwise and adjust the quick-release lever, so it's parallel to the frame.

To learn more about the Removing the Battery, turn to page 27.



THE STEM

⚠ WARNING! Riding with an improperly tightened stem bolt will twist the stem in the frame. This will cause you to lose control of the trike, fall, and be injured. Less than half a turn of tension on the stem bolt can make the difference between an unsafe and safe clamping force.

💡 TECH TIP: Before you begin adjusting the height of your stem, it will be easier if you straddle the electric Fat Trike to determine your proper stem height.

FINDING THE CORRECT STEM HEIGHT

The handlebar reach is the distance from the seat to the handlebars, but it depends on the rider's torso and arm's length. Your ideal handlebar reach should be where your hands are comfortably holding onto the handlebar while slightly bend at the elbows. This position will allow you to ride more comfortably.

BEFORE ADJUSTING THE STEM HEIGHT

Sit on the trike, reach out in front of you and grasp onto the handlebar. **IF** you can't reach the handlebar, you need to proceed to **page 26** to learn **How to Adjust the Stem Rise** first. If you can reach the handlebar, then proceed on.

ADJUSTING THE STEM HEIGHT

To adjust the stem height, you'll need the flat head screwdriver and a 6mm Allen key that's inside your multi-tool.

Turn to page 22 to see the location of the Screwdriver and 6mm Allen key within the Multi-Tool.

- Pry off the stem plug (image 5) with the flat head screwdriver. Keep the stem plug in a safe place. Look inside the hole, you'll see the stem bolt (image 6).

- Slightly loosen the stem bolt with the 6mm Allen key. Turn the bolt counterclockwise but **DO NOT** remove the bolt from the stem.

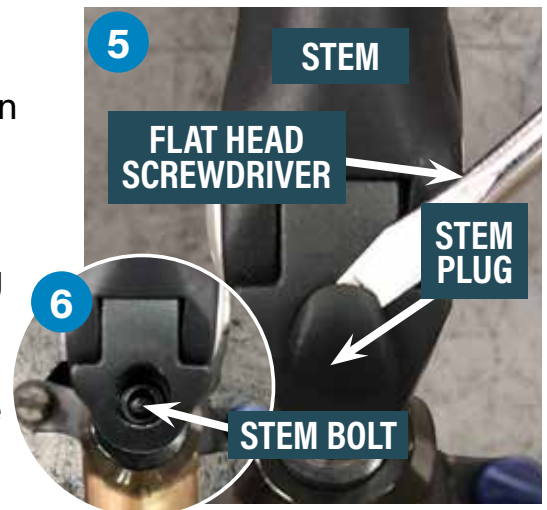
- Lift the handlebar up or down to your desired height. Check if the handlebars are straight (in direct contrasting 90degree alignment with the front wheel) on the trike.

- Lightly tighten the stem bolt clockwise with the 6mm Allen key and sit on the trike. Reach your arms out before you, and grasp onto the handlebar grips. A comfortable position will be with your arms parallel to the ground and a slight bend at your elbows.

1) If this position doesn't feel right, raise or lower the stem height and repeat the step above.

2) If this position feels right, firmly tighten the stem bolt clockwise with that 6mm Allen key. But beware of over-tightening the stem bolt which would result in a stripped bolt.

- Push the stem plug back into the hole. If you cannot get the plug back in securely, then lightly tap the plug back in with a hammer.



THE STEM RISE

⚠ CAUTION: It's important that you align the triangle with the degree number, (image 8) otherwise the stem rise portion will have a "wiggle" feeling. If this "wiggle" feeling isn't address, there's a potential for the stem angle points to be damaged or stripped and will need replacing.

🔧 TECH TIP: Before you begin adjusting the rise of the stem, it will be easier if you straddle the trike to determine the comfortable rise of your stem.

ABOUT THE STEM RISE

To comfortably ride your electric Fat Trike, it's essential to have the handlebar within your reach.

The stem rise is the angle of the stem from the fork to the handlebar. The higher the degrees (+), the more upright your position will be, or (-) the lower you will be. Leisure riders will prefer a more upright position.

On the right side of the stem is the stem angle bolt (image 7 cyan circle); this will adjust the stem angle.

To the left of the bolt is seven different stem angles (image 8). From top to bottom, in increments of ten are 50°, 40°, 30°, 20°, 10°, 0°, and -10°.



LOOSENING THE STEM RISE

Use a 6mm Allen key, turn counterclockwise and pull up or push down on the stem/handlebar to select an angle.

You must align the white triangle (image 8 cyan circle) with the degree numbers. Slightly tighten the stem angle bolt and

sit on the trike to see if it's a comfortable position. If not, you will need to try each stem angle degree number until you find the right angle for yourself.

TIGHTENING THE STEM RISE

When you find your correct stem angle and before finally tightening the stem angle bolt, ensure there is no "wiggle" feel within the stem. The triangle must be pointing to a degree number; otherwise, the stem angle bolt will feel loose. Tighten the stem angle bolt clockwise with a 6mm Allen key.

REMOVING THE BATTERY

⚠ WARNING! DO NOT use the battery or charger if your battery has been damaged, punctured, burned, been smoking, or has been on fire. Immediately, call customer service at 1-800-375-0224. Customer service will require you to send pictures of the damaged battery and or charger. Email those pictures to support@electrictrike.com with a detailed description of what happened and your contact information. After receiving the images, someone from customer service will contact you.

DO NOT leave the battery charging unattended or after the charge is complete for more than what is required for battery balancing (three hours). More than three hours could potentially result in a fire, explosion, injury, or death. To learn more about Battery Balancing, turn to page 33.

WHEN SHOULD YOU REMOVE THE BATTERY FROM THE TRIKE?

WHEN TRAVELING—the battery **SHOULD NOT** be left on the trike when you are transporting your trike on a vehicle. The battery must be taken off and placed inside the vehicle, to protect it from the weather, but it also shouldn't be left inside a hot vehicle. Temperature and weather conditions can result in poor charging ability and battery care, potentially leading to a fire, explosion, injury, or death. Plus, it may reduce the desire to steal your electric Fat Trike.

FOR CHARGING—the battery indoors (house or garage). Avoid extreme temperature changes (10°–30°C or 50°–86°F), excessive sun exposure, water, humidity, and/or condensation. Bring the battery inside the house and let it cool off or warm-up for two hours at room temperature, before charging. It's important to monitor the battery and charger when charging, **DO NOT** leave it unattended.

To learn more about the Lithium-Ion Battery Safety, read pages 30 and 31.

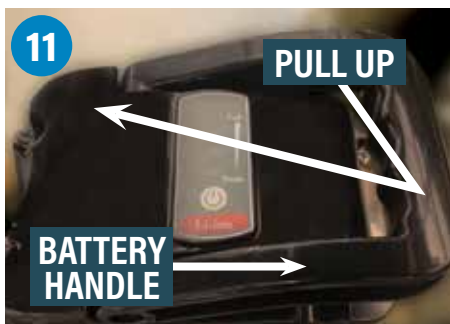
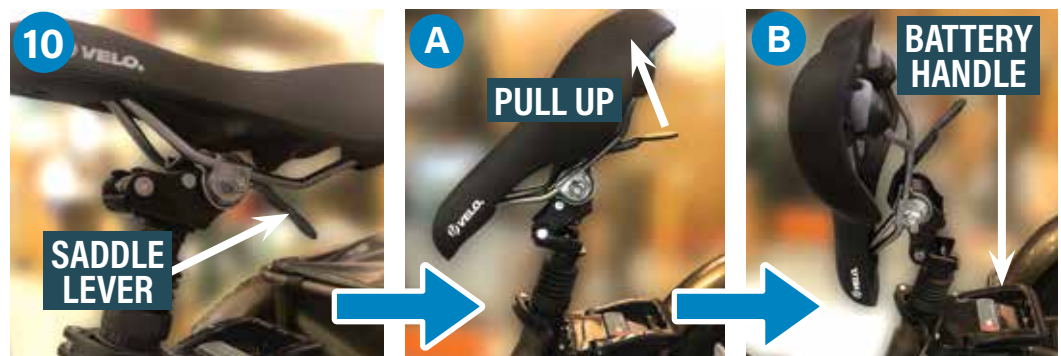
UNLOCKING THE BATTERY

Push the battery key in while turning counterclockwise to the “unlock” position (image 9), then remove the key before removing the battery.



THE SADDLE LEVER

Under the saddle is a lever (image 10); pull the lever upwards (image A), and the saddle will flip forward (image B).



THE BATTERY HANDLE

There's a battery handle on the top of the battery (image 11). Lift the battery handle and pull up to remove the battery from the trike.

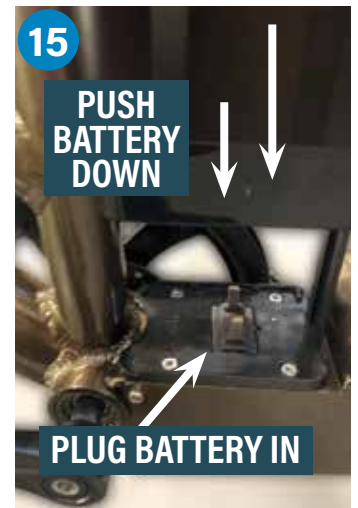
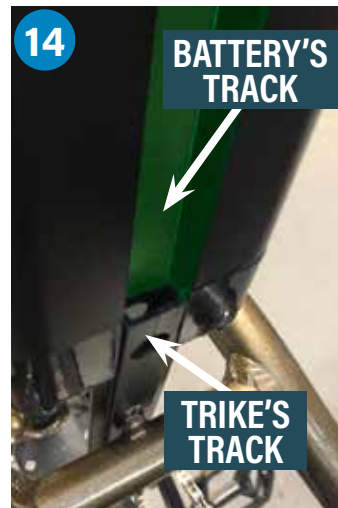
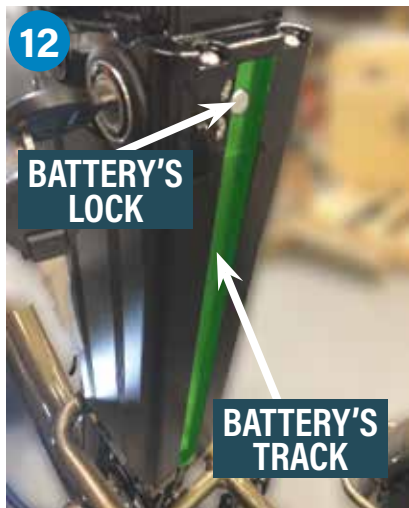
INSTALLING THE BATTERY

(N) NOTE: The electric Fat Trike's battery's track IS NOT green. The color was chosen to bring attention to the particular area of the image.

Align the battery's track in image 12 (not actually colored green on the battery itself) to the trike's track that is inside the trike's frame (image 13).

Slide the battery's track onto the trike's frame track (image 14) and push down, to plug the battery (image 15) into the frame. Push the battery handle down so it's flush with the battery (image 16).

Push the saddle down (image 17), and you'll hear a "CLICK" sound; it's now locked into place once you hear it. Insert the key and turn clockwise to "Locked and Off" or to "On" (image 18).



BATTERY OVERVIEW

⚠ CAUTION: Only use charging products that come with your electric Fat Trike and/or from Electric Bike Technologies, Inc. and not any third-party products. Using any third-party charging products will void the warranty and could result in damage to the trike's electric system and even potential fire or explosion.

💡 TECH TIP: Make sure you always have at least one spare battery key placed somewhere safe. To learn more about the **Components of the Battery**, turn to page 20.

BATTERY KEY POSITIONS

- A) UNLOCK** - the battery is unlocked from the trike. The key can be removed.
- B) OFF** - the battery is off and locked to the trike. The key can be removed.
- C) ON** - the battery is on and the trike can be used. The key cannot be removed.



HOW TO LOCK THE BATTERY ON THE TRIKE

Turn the battery key to either the "on" or "off" positions, see images B and C images above.

To learn how to Remove the Battery from the electric Fat Trike, turn to page 27.



ABOUT THE BATTERY KEYS

The electric Fat Trike comes standard with two battery keys for the battery ignition, locking, and unlocking the battery. The battery cannot be removed once it's locked into the frame without damaging the trike and battery. Make sure you always have at least one battery key placed somewhere safe.

DID YOU LOSE YOUR BATTERY KEYS?

Contact customer service to order a new pair of battery keys. Call toll-free at **1-800-375-0224**.

LITHIUM-ION BATTERY SAFETY

⚠ WARNING! Failure to follow the instructions and guidelines in this section may damage electrical components on the electric Fat Trike and will void your warranty. More importantly, failure to follow the instructions may result in a fire, explosion, property damage, injury, or death.

DO NOT use the battery if your battery has been damaged, punctured, burned, been smoking, or has been on fire, and do not use the battery or charger. Immediately, call customer service at 1-800-375-0224. Customer service will require you to send pictures of the damaged battery and or charger. Email those pictures to support@ElectricTrike.com with a detailed description of what happened and your contact information. After receiving the images, someone from customer service will contact you.

The following can help to alleviate any risks associated with handling lithium-ion batteries. To minimize the risk of fire, explosion, or personal injury, please follow these guidelines:

- ▶ **ALWAYS** follow the manufacturer's instructions for charging and storage. Only use the original manufacturer's battery, cord and power equipment to charge the lithium-ion battery.
- ▶ **ALWAYS** plug the lithium-ion battery directly into a wall outlet. Never use power strips, or extension cords to charge your lithium-ion batteries. **DO NOT** stack or cluster the lithium-ion batteries together while charging or storing. Charging multiple batteries with inadequate electrical support is a major safety hazard.
- ▶ **ALWAYS** charge the lithium-ion battery at room temperature. If the battery is still warm from usage, allow time for the battery to cool before charging. **DO NOT** charge the lithium-ion battery at temperatures below 32°F (0°C) or above 105°F (40°C).
 - After riding in cold weather, bring the battery indoors to warm up for two hours at room temperature before charging.
- ▶ **ALWAYS** store your lithium-ion battery in a well-ventilated area that has a fire detection system. Avoid excessive sun exposure, water, humidity, and/or condensation. Keep the lithium-ion battery away from any heat source or anything flammable materials, such as paper, under or on a pillow, bed or a couch.
- ▶ **ALWAYS** monitor the battery and charger when charging, **NEVER** leave it unattended or overnight. **DO NOT** keep charging the lithium-ion battery after it is fully charged*.
- ▶ **DO NOT** use the battery or charger if your battery has been damaged, punctured, burned, been smoking, or has been on fire. Inspect the battery and charger before and after each use.
- ▶ **NEVER** block your exit from your home or a room with a charging lithium-ion battery. Always make sure that there's a safe way to exit your home in the event that there's an issue with an lithium-ion battery.

LITHIUM-ION BATTERY SAFETY (CONTD.)

- ▶ **NEVER** try to modify or service your e-bike and/or trike's battery system. Batteries are part of a larger system with the e-bike and/or trike. It's not just the battery but also the sensors, motor, controller, and other components. Altering a component within the system can impact the safety of the system, which can result in severe injury and/or death.
- ▶ **NEVER** use a battery if it shows signs of physical or mechanical damage such as change of shape, discoloration of the battery's shell, leaking, odor, sign of corrosion, odd noises, loose or damaged wires, and/or known conditions of use or misuse.
- ▶ **NEVER** place a lithium-ion battery in the trash or in a recycling bin, it is illegal. **DO NOT** put discarded batteries into piles. To properly dispose of lithium-ion batteries, take them to a battery recycling location or contact your local waste management service provider for disposal instructions.

TRANSPORT

- ▶ When transporting an electric bike and/or trike's battery, it **SHOULD NOT** be left on the trike. The battery must be removed and placed inside your vehicle. It's also important not to leave the battery inside a hot vehicle. These temperatures and weather conditions can result in poor charging ability and possibly cause a fire, explosion, injury, or death.

FIRES AND EMERGENCIES

- ▶ Fire extinguishers do not work on lithium-ion batteries fires. If you observe a lithium-ion battery fire, leave the area, **CLOSE** the door, and call 911 immediately.
- ▶ Damaged or unstable batteries and improper charging, storage or disposal can cause the batteries to overheat, leading to an explosive, aggressive fire that spreads rapidly, can reignite and is challenging to extinguish.
- ▶ Lithium-ion battery fires are very dangerous. Water may not prevent a battery from burning and spreading. Battery cells are known to explode and quickly spread to another battery. It can spread to other devices.
- ▶ These batteries may continue to generate heat even when there is no visible sign of fire. Once heat reaches a certain level fire may reignite on the battery and surrounding area.
- ▶ Reignition of lithium-ion batteries is common. Lithium-ion batteries are known to unexpectedly reignite (without warning) minutes, hours and even days after all visible fire has been put out.
- ▶ Lithium-ion batteries can enter an uncontrollable, self-heating state. This can result in the release of gas, cause fire and possible explosion.



Watch Our Video on **Lithium-ion Battery Safety Tips**

Click or copy this link: <https://youtu.be/xdMwU8cnR0Q>

CHARGING THE BATTERY

⚠ WARNING! Failure to follow these instructions and guidelines in this section may damage electrical components on your electric Fat Trike and will void your warranty. More importantly, failure to follow the instructions may result in a fire, explosion, injury, or death.

DO NOT use the battery; if your battery has been damaged, punctured, burned, been smoking, or has been on fire, do not use the battery or charger. Immediately, call customer service at 1-800-375-0224 for additional help. Customer service will require you to send pictures of the damaged battery or charger. Email those pictures to support@electrictrike.com with a detailed description of what happened and your contact information. After customer service receives your images, they will contact you to talk about your options.

You have the option to charge your battery on the trike or to removed from the trike but in either case it's important to not leave the battery and/or charger unattended while it's charging. Failure to monitor the battery and/or charger may result in a fire, explosion, injury, or death.

💡 TECH TIP: The electric Fat Trike's battery is "memory free." You aren't required to discharge the battery entirely during use, but it's much better for the battery to not drain to 0%.

After you'd been riding in hot or cold weather, bring your battery indoors and let it cool off or warm up to room temperature for two hours before charging. It's not a good idea for li-ion batteries to be drawn from or be charging if they are just in hot or freezing weather. Failure to follow these instructions may result in a fire, explosion, injury, or death.

When the LCD is off, the trike is off and not drawing power from the battery (even if the key is still in the ON position).

When you receive your electric Fat Trike, the battery will have a little bit of power. It's best practice to charge the battery 100% before your first ride.

To learn more about Lithium-Ion Battery Safety, turn to pages 30 and 31.

HOW TO CHARGE THE BATTERY

You can charge the battery while it's on the electric Fat Trike or you can remove the battery from the trike.

Plug the charger into the wall socket/outlet, like a mobile phone charger. Plug the charging cord into the charger port (image 20).

On top of the battery is the charging indicator (image 19), and the LED lights will be red when the battery is charging. When the two LED lights are green and one is red, the battery is fully charged.

Turn to page 33 to learn more about the Battery's Charging Indicator.

To learn more about Charger and Battery Components, turn to page 20.



CHARGING THE BATTERY (CONTD.)

⚠ WARNING! DO NOT leave the battery charging unattended or after the charge is complete for more than what is required for battery balancing (three hours). More than three hours could result in a fire, explosion, injury, or death. If you see or smell smoke or a burning smell, immediately stop charging, remove the charger from the battery, and take the battery and charger outside and far away from any combustible products. Promptly call customer service at 1-800-375-0224 for further assistance.

To learn more about Lithium-Ion Battery Safety, read pages 30 and 31.

THE CHARGING INDICATOR

The charging indicator is located on the top of the battery.



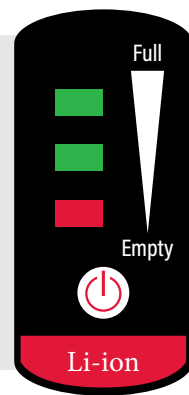
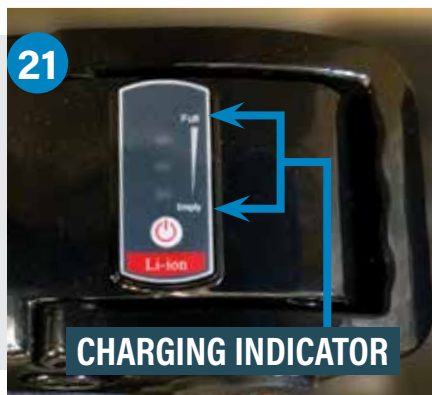
FLASHING GREEN BAR - No battery is connected.



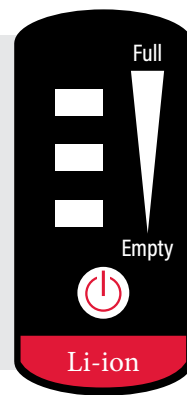
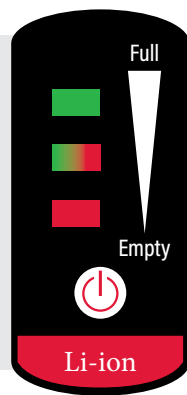
STEADY RED BAR - The battery is charging.



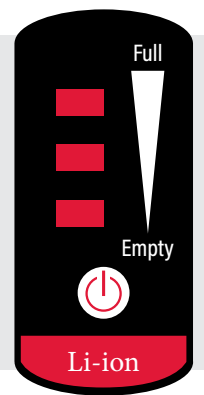
TWO GREEN AND ONE RED BARS - The battery is completely charged.



2 GREEN BARS
AND 1 RED BAR
Full Charge



NO BARS
Dead Battery



RED BAR
Charging Battery

When the battery is finished charging, unplug the charger from the wall. **DO NOT** leave the battery connected to the charger unattended for an extended period of time.

WHAT IS BATTERY BALANCING?

Every couple of weeks, charge the battery to complete but leave it on for an extra three hours. **DO NOT LEAVE** the battery and charger unattended during this extended time. The purpose of battery balancing is to fill the battery cells that don't always get charged to the maximum.

To learn more about Lithium-Ion Battery Safety, turn to pages 30 and 31.

DRIVING OVERVIEW

⚠ WARNING! Use caution when turning above six mph. There is a potential for rollover (tip over) or aggressive braking, resulting in an injury. Practice making wider turns at a slower speed, and ride within your limits. Be cautious when turning on a slope, go slow and look ahead to avoid any holes, ruts, bumps, rocks, or other hidden objects. Avoid slopes steeper than 15 degrees.

⚠ CAUTION: We strongly encourage you to read and understand this manual entirely before your first ride. We recommend you familiarize yourself with and practice riding your electric Fat Trike by starting slowly, practicing, and that will help improve your riding skills.

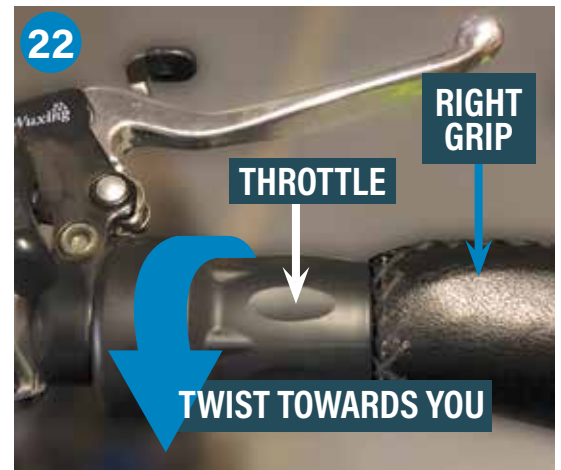
USING THE THROTTLE

The electric Fat Trike's throttle is like a motorcycle's throttle. To move forward, twist the throttle towards you to accelerate (image 22).

To decrease the throttle speed, reduce the twisting motion, and the electric Fat Trike's speed will decrease.

Use the throttle to boost forward when starting from a stopped position or to help you reach a cruising speed. The electric Fat Trike also features a pedal-assist sensor (PAS) operation.

To learn more about the PAS, turn to page 43.



HOW TO INCREASE OR DECREASE THE ASSIST LEVELS

On the LCD (image 23) is the location of the assist levels. To increase the power to the motor, use the remote pad, up arrow, to go faster or the down arrow to decrease the speed (image A).

When you first learn how to operate your electric Fat Trike, you must start by using the lower assist levels (1-3). These lower levels are great for starting a ride by giving you more control of the starting speed. Overtime, you can gradually increase the speed (or levels), as you feel more comfortable with your ability to turn and brake safely. The higher assist levels (4 and 5) provide plenty of power that is best used for climbing a hill.



HOW TO TURN AND TURN ON SLOPES

We tell new riders to practice, practice, and practice some more. It's best to practice on a flat surface, free of cars or objects. Use caution when approaching the turn and proceed at a slow speed, make a wide turn, and lean into the turn. For example, lean into the left turn if you are turning left. You don't want to make tight turns at speeds above six mph.

Be cautious when turning on slopes. **GO SLOW** and watch for holes, ruts, bumps, rocks, or other hidden objects. Keep all movement on sloped surfaces, slow and gradual, make a wide turn, and lean into the turn. Avoid slopes steeper than 15 degrees.

SHIFTING OVERVIEW

ALL ABOUT THE SHIFTER

Located on the right side of the handlebar and to the left of the throttle is the shifter (image 24). The shifter, shifts the chain onto different gears on the cassette which will make it easier or hard to pedal and assist the rider with pedaling up inclines and down declines.

Our electric Fat Trike has a simple, 1x7 gearing. The **one** in the 1x7 represents, the one chainring (a 48 tooth chainring) that is enclosed in the chain guard.

The **seven** in 1x7 gearing represent, how many gears are on the cassette. The cassette is located under the rear basket and in between the rear wheels.

To see what the Cassette looks like, go to page 18.

HOW TO SHIFT

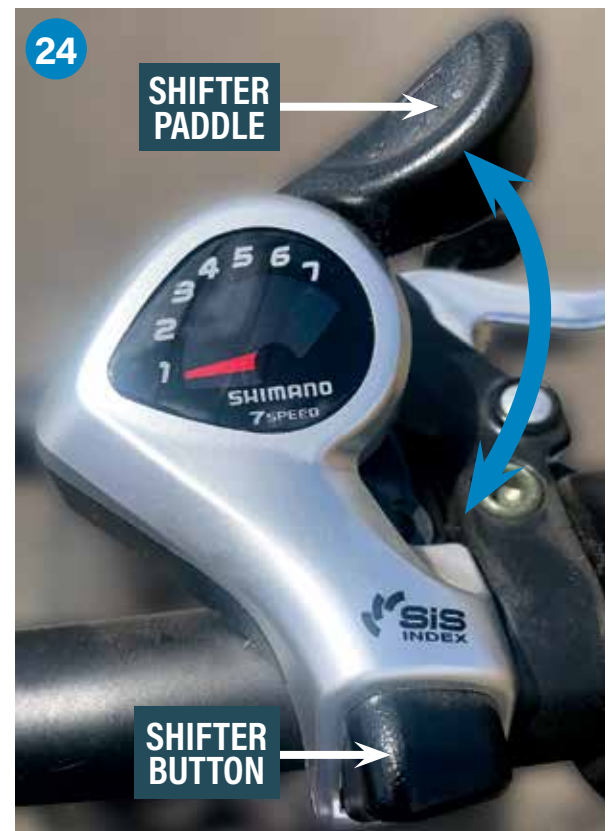
In order to shift, you need to press the shifter button (image 24) to increase the gearing numbers in the display. As you increase the number, by using the shifter button, the shifter paddle will shift down, towards you and the handlebar.

As you increase the gearing numbers, (by pressing on the shifter button) it will become more challenging to pedal. Depending on your fitness level, terrain or hill, it will vary on where you leave the number at, where you feel the most comfortable in pedaling.

To decrease the gearing numbers and make it easier to pedal, push forward on the shifter paddle, to whatever number was the easiest or most comfortable to pedal.

Number 1 is the easiest gear and should be used for climbing a hill. It also can be used when riding on a gravel or dirt path, where there's some resistance under your tires.

Over time, you will learn what gears are the most comfortable to pedal on various terrains.



BRAKING OVERVIEW

⚠ WARNING! Applying brakes too hard or too sudden can lock up a wheel, which could cause the trike to slide, fall over, flip, and you could lose control or fall, which can result in an injury. Be cautious about locking your brakes within a turn. Sometimes there's a tendency for the trike to slide, resulting in the trike tipping or flipping over, resulting in damage to the trike and injuring you.

Disc brakes are extremely powerful. Sudden or excessive application of the front disc brake may pitch the rider over the handlebars, resulting in severe injury or death.

Disc brakes can get extremely hot with extended use. Be careful not to touch a disc brake rotor until it has plenty of time to cool, or you could get seriously burned.

If the disc brakes are rotating, do not place your fingers or body parts on or in the disc calipers or the rotor. It can slice your finger(s) off or cut you!

🌐 TECH TIP: When riding in wet conditions or on loose surfaces, your braking will take longer to stop, and the trike will be more likely to slide if the brakes lockup. The best way to maintain braking control on loose or wet surfaces is to go slower and use gradual braking control.

IT TAKES PRACTICE

It's best practice to learn how to brake slowly and stop smoothly. Applying the brakes too hard or suddenly will lock up a wheels and cause the trike to slide, flip over, thus causing you to lose control, fall and result in an injury.

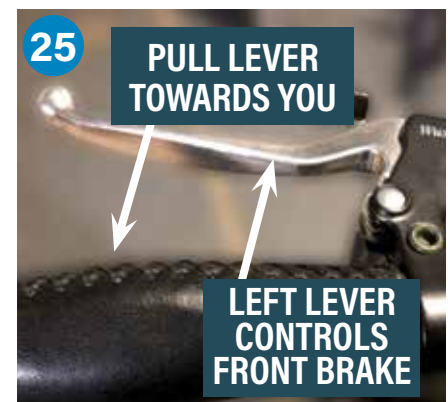
HOW TO USE THE DISC BRAKES

The left brake lever controls the front disc brake (image 25) and the right brake lever (image 26) controls rear disc brake.

Instead of jerking the brake lever to the position where you think you'll generate the appropriate braking force, squeeze both brake levers, simultaneously to increase the braking force progressively. If you feel the wheels begin to skid (lock up), release the pressure on the brake levers, just a little to keep the wheels rotating, just short of a lock up.

When applying both brakes, the trike will begin to slow, but your body will want to continue forward, causing a transfer of weight towards the front of the trike and the front wheel. Avoid using only the front disc brake, if you do so, there's a potential to cause the trike to flip over. To prevent the trike from flipping over (forward), shift your body weight towards the rear of the trike.

To learn more about the Components of the Front Wheel, go to page 17.



BRAKING OVERVIEW (CONTD.)

THE PARKING BRAKE

The parking brake is a handy feature, as it locks the electric Fat Trike in place. It provides the rider an easy and sturdier way to get on and off the trike. Another valuable benefit is that applying the parking park on a hill will stop the trike from rolling away. Although you should remember to only use it for parking and **NEVER** while riding.

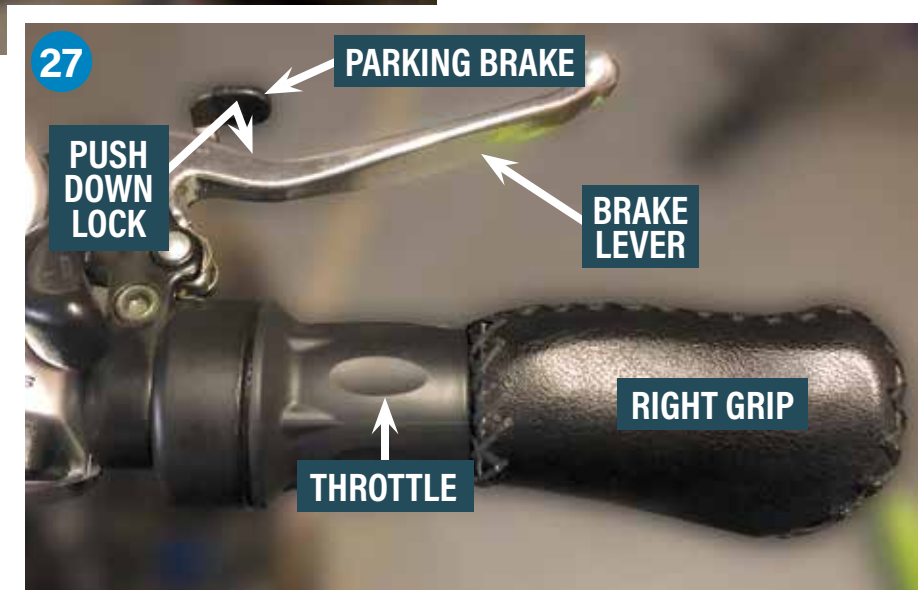
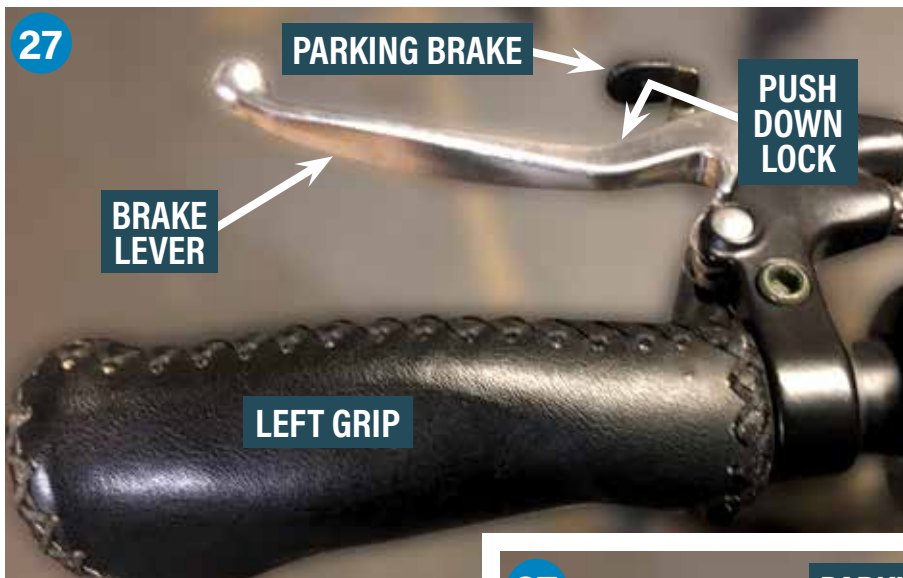
APPLYING THE PARKING BRAKE

First, come to a complete stop. Continue pulling on the brake lever and use your index finger (or use the other hand) to push down on the parking brake (it's above the brake lever) to engage the parking brake (image 27).

RELEASING THE PARKING BRAKE

Pull the brake lever towards you, and the parking brake will pop back up and unlock. If you forget to release the parking brake and turn on the LCD, you will get an error code 25. Simply disengage the parking brake to clear the error code.

To learn more about Error Codes, turn to page 46.



FRONT SUSPENSION FORK

MOZO FRONT FORK

The electric Fat Trike is equipped with a front suspension fork. The Mozo fork has 80mm of suspension travel and an option to lockout the suspension. The fork travel refers to the distance the suspension will move before it is fully compressed. Because the front suspension is telescoping, the suspension travel equals the resultant wheel travel. This electric Fat Trike will arrive with the suspension opened (or unlocked).

SUSPENSION LOCK OUT

Locking out the front fork eliminates fork travel. This minimizes energy loss when riding paved or smooth dirt surfaces while climbing uphill.

HOW TO LOCK OUT THE FRONT FORK

Straddle the electric Fat Trike. On the right and top of the fork is the top lever (image 28). In image 28, the top lever is at 90°, which means that the suspension is open (or unlocked). Turn the top lever clockwise (image 29) to lock out the front fork.

HOW TO UNLOCK THE FRONT FORK

Straddle the electric Fat Trike. On the right and top of the fork is the top lever (image 29). Turn the top lever (blue knob) counterclockwise to 90° to unlock the fork. Now your fork will move up and down.



TIRE INFLATION

⚠ WARNING! Never inflate a tire beyond the maximum pressure marked on the tire's sidewall. Exceeding the recommended maximum pressure (30 PSI) may blow the tire off the rim, which could cause damage to the trike and injury to the rider and bystanders. Although the sidewall on the electric Fat Trike tires recommends a 5-30 PSI tire pressure, we strongly advise you to **NOT** inflate or deflate the tires to the 5-11 PSI range. Operating the trike at these low tire pressures can cause loss of control issues, with the potential for accident and injury.

There is a safety risk when using gas station air hoses or other air compressors. These machines aren't intended for bicycle tires. They move a large volume of air very rapidly and will raise the pressure in your tire very rapidly, which could cause the tube to explode.

💡 TECH TIP: You should check your tire pressure before and after every ride. It is better to make a habit than get caught with a flat tire on your ride. Try to keep it within this range of 12-30 PSI.

Carrying an inner tube(s) with you does not take much space. If you cannot repair a flat tire, take the trike to a bike shop and have them replace the old tube with your new tube. It will save you some money!

🚫 NOTE: We recommend you carry a spare inner tube(s). Patching a tube is an emergency repair. If you do not apply the patch correctly or several patches, the tube can fail and result in losing control, falling, and possibly being injured. Replace the patched tube as soon as possible.

The best and safest way to inflate the electric Fat Trike tire is with a bicycle floor pump compatible with a Schrader valve and an analog gauge that displays the PSI pressure.

VARIANCE RANGE FOR INFLATION

Putting more or less PSI will depend on the rider's weight, terrain, and riding preferences. Inflating the tire to its maximum recommended pressure (30 PSI) gives the lowest rolling resistance and produces the harshest ride. High pressures work best on smooth, dry pavement. Low pressures work best on deep, loose surfaces such as deep, dry sand. Depending on the rider's weight, terrain, and riding preferences, try to keep the tire PSI range between 12-30 PSI.

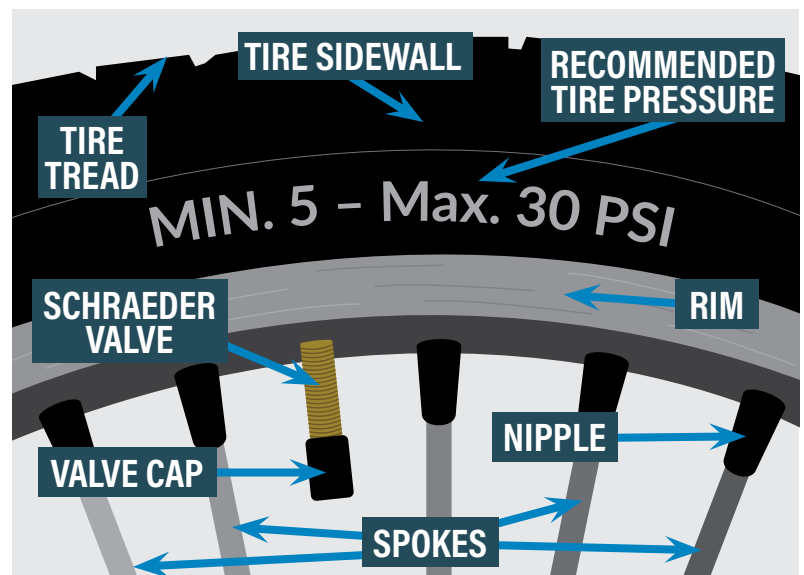
If the tire pressure is too low for your weight and riding conditions, it can cause a puncture in the tube. The tire will deform sufficiently to pinch the inner tube between the rim and the riding surface, resulting in a flat.

HOW TO INFLATE A TIRE

The electric Fat Trike uses a Schrader valve, as you would find on a car tire. To inflate the tube, remove the valve cap, and clamp the floor pump fitting onto the end of the valve stem.

HOW TO DEFLATE A TIRE

Remove the valve cap and depress the pin inside the valve stem with the end of a key. Place the valve cap back on after adding or subtracting air.



FAT TRIKE STORAGE

⚠ WARNING! Failure to follow the instructions and guidelines in this section may result in damage to electrical components on your electric Fat Trike and will void your warranty. More importantly, failure to follow these instructions may result in an injury and/or death.

Never leave a battery unattended! See **pages 30 and 31** about **Lithium-Ion Battery Safety**.

⚠ CAUTION: ONLY USE the charging products that came with your electric Fat Trike and/or from Electric Bike Technologies, Inc. **DO NOT** use any third-party products.

💡 TECH TIP: An excellent way to remember to charge the battery every thirty days is to set a calendar reminder on your computer or mobile device or write it on your calendar.

HOW TO STORE YOUR ELECTRIC FAT TRIKE

Please follow these instructions if you need to store your electric Fat Trike for the winter or a few months.

- Keep it in a secure location, preferably indoors, where it is not exposed to extreme temperature changes (above 65°C or below -30°C), excessive sun exposure, water, humidity, and/or condensation.
- Remove the battery from the trike and store it separately in your house or garage. Charge the battery to 100% before putting it away, and charge the battery to 100% every thirty days. If you forget to charge the battery every thirty days, there may be a good chance that your battery will be “dead” when you need it.
- To prevent damage, clean the electric trike before putting it in long-term storage. Dirt, sweat, sand, or salt can cause corrosion if left on the trike for a long time. Removing it will prevent damage to the frame and components and extend the trike’s lifespan.
- Be aware of moisture; it will cause rust due to oxidation. Rust on the chain or the motor components will cause problems that could lead to replacing these parts.

Turn to page 47 to learn How to Clean & Lube the electric Fat Trike.

After the “no-riding” time has passed, it may be best for you to take your electric trike to the bike store for a check-up. If you have any bike mechanical skills and feel comfortable checking and changing parts, here are some items to look at.

CHECK THE WIRES AND CABLES to see if the connections are rust-free. Are the cables or wires corroded, burnt, or cracked? If so, it is time to replace the cables and wires.

CHECK THE BRAKE PADS to feel if they are worn. Squeeze the lever. Does the lever reach the handlebar? If so, the brake pads may need to be replaced, or the lever or caliper reach needs to be adjusted.

CHECK THE TIRES to see if they are underinflated. Inflating the tires to the correct PSI will depend on the rider’s weight, terrain, and riding preferences. Try to keep the tire PSI range between 12-30.

CHECK THE BATTERY to see if it has fully charged or held a charge? If not, call customer service at **1-800-375-0224** for additional help.

Turn to pages 47-50 to learn how to Maintain your electric Fat Trike or to learn more about Tire Inflation, turn to page 39.

THE LCD OVERVIEW

⚠ CAUTION: It is essential to familiarize yourself with the LCD functions before your first ride. Avoid leaving the trike outside for long or short periods of time. Always cover the LCD to protect it from the sun, heat and/or moisture. Prolonging sun, heat, and/or moisture exposure will cause the liquid crystals in the display to be damaged.

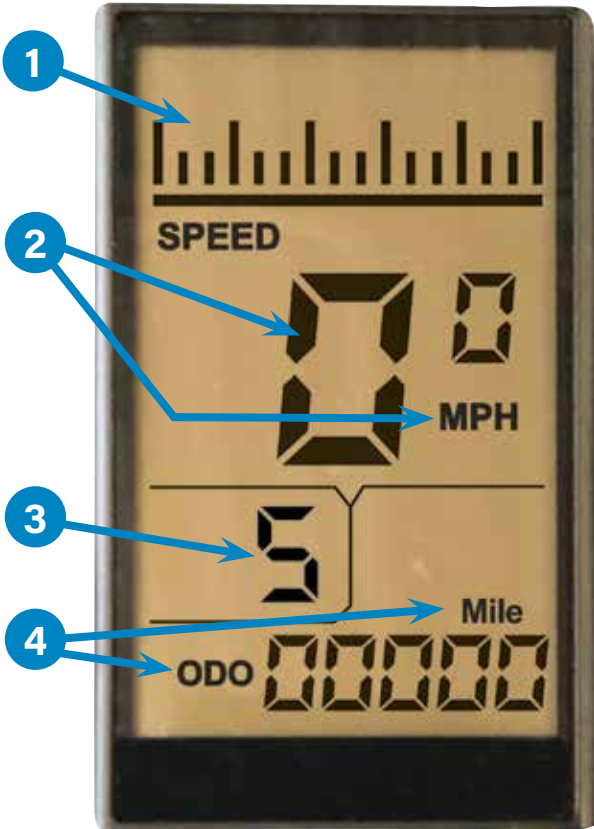
Ⓝ NOTE: The LCD is already programmed for the electric Fat Trike and IS NOT equipped with a USB plug.

LCD OVERVIEW

| | |
|---|--|
| 1 | Battery Levels |
| 2 | Speed: MPH or KPH |
| 3 | Five Assist Levels* 20%, 40%, 50%, 70% and 100% |
| 4 | Distance: Trip and Odometer (ODO) |

* THERE ARE 5 ASSIST LEVELS

| | |
|---------|--------------------------|
| Level 1 | Equals 20% of the Power |
| Level 2 | Equals 40% of the Power |
| Level 3 | Equals 50% of the Power |
| Level 4 | Equals 70% of the Power |
| Level 5 | Equals 100% of the Power |



REMOTE PAD OVERVIEW**

| | |
|---|--|
| 1 | Settings, Speed Control and Assist Levels for PAS Controls |
| 2 | M Button: On and Off |

** The remote pad buttons use many different functions than what is shown here. Those will be covered elsewhere in the manual.

OPERATING THE LCD

TECH TIP: Many settings do not save or take effect until you power the LCD off and back on.

HOW TO CHANGE THE MENU SETTINGS

Use these instructions first and then the directions for whatever needs to be changed. Press and hold the up and down arrows on the remote pad simultaneously to access the menu settings.

Press the "M" button one time to access the menu. To select a setting, use the up and down arrows to scroll through the selections. To save and close the setting, hold down the "M" button for three seconds. Many settings do not save or take effect until you power off and back on.

HOW TO TURN THE LCD ON AND OFF

Hold the "M" button on the remote pad for three seconds to turn the system on or off. Always turn the system off when not using the electric Fat Trike.

HOW TO TURN THE BACKLIGHT ON AND OFF

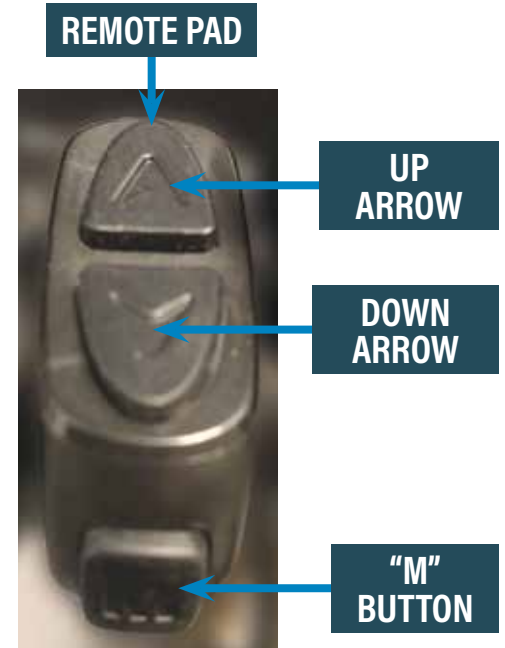
Press and hold the up arrow on the remote pad to turn the backlight on or off.

HOW TO CLEAR THE TRIP, MAX AND AVERAGE SPEEDS

Press the "M" button on the remote pad once to switch between displays. Make your selection and press and hold the "M" button and the down arrow simultaneously for three seconds to clear.

HOW TO INCREASE OR DECREASE THE ASSIST LEVELS

On the remote pad, use the up arrow to increase the speed or use the down arrow to decrease the speed.



THE PAS SETTINGS

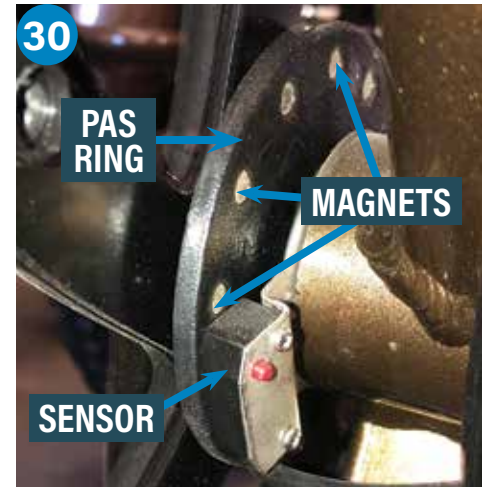
NOTE: The LCD is **ALREADY PROGRAMMED** for the electric Fat Trike. These instructions below will allow you to customize the PAS settings.

WHAT IS THE PAS?

The PAS or Pedal Assist Sensor will sense how quickly you are pedaling (cadence) and use that to run the motor. It is compatible with the throttle, so you can use it any time while using the PAS and vice-versa.

When pedaling, the PAS ring and sensor (located behind the trike chain guard) work together with every pedal stroke to signal the controller to increase or decrease power from the motor, making it easier to pedal.

When you start pedaling, you will feel a boost of power from the front wheel motor, making it easier to get the trike moving, and it will take less effort to keep riding. As you increase the level, it will be easier to ride. However, if you decrease the PAS level, you will have to put more effort into pedaling the trike—but it will save a lot more battery and increase the distance range.



HOW TO CHANGE THE MENU SETTINGS

Use these instructions and the directions below for whatever setting you are changing. Press and hold the up and down arrows on the remote pad simultaneously to access the menu settings. Press the "M" button one time to access the menu. To select a setting, use the up and down arrows to scroll through the selections.



SELECTING THE PAS SETTINGS

The PAS settings are located in **ST8** (image 31). The settings are comprised of the following: **P1: PAS Start-Up Delay**, **P2: Power Ratio**, and **P3: PAS Scaling** (total number of magnets).

P1: PAS START-UP DELAY—is the number of magnets that must pass by the sensor before the PAS engages. Fine-tuning this setting can help control how soon the motor turns on when starting from a traffic light or when to resume to pedaling after coasting. The default setting is 5.

P2: PAS POWER RATIO—the default setting is 5.

P3: PAS SCALING—is the proportion of the motor speed relative to the pedaling speed. For example, turn this number down if you want to go faster but with less pedaling. If you find that the motor will cycle on and off while pedaling, then turning this number down will help solve the problem. For most riders, set this between 20 and 30. The default setting is 7.




HOW TO SAVE THE SETTINGS

Turn the LCD screen off and back on again by holding the "M" button for three seconds. Many settings do not save or take effect until you power the LCD off and then on again.

ADDITIONAL LCD SETTINGS

 **TECH TIP:** Many settings do not save or take effect until you power the LCD off and then back on.

 **NOTE:** To make the trike California Class 1 (20 mph, no throttle) or Class 3 (28 mph, no throttle), use the 1-1 PAS only setting.

Press and hold the up and down arrows on the remote pad simultaneously to access the menu settings. Press the "M" button one time to access the menu. To select a setting, use the up and down arrows to scroll through the selections. Hold the "M" button for three seconds to save and close the setting. Many settings do not save or take effect until the LCD is powered off and back on.

ADDITIONAL SETTINGS

ST1: DISPLAY DISTANCE is displayed in Miles or KM.

ST2: SPEED LIMIT is displayed in KM.

ST3: WHEEL SIZE is for Speed, Trip, and ODO displayed on the screen.

ST4: MOTOR TYPE is for Speed, Trip, ODO displayed on the screen.

ST5: BATTERY TYPE is for the battery meter display on the screen.

ST6: ASSIST LEVELS control how many notches you get, 3, 5, or 9, and what the lowest setting is. The 0 setting disables the motor, and PAS or 1 is the lowest. The default setting is 0-5.

ST7: CURRENT LIMIT controls the overall motor current maximum. This is continuous. Peaks are allowed to go above this by a couple of amps. Turning down this setting can essentially reduce your "motor wattage."

ST8: PAS SETTINGS; see **page 43** for an explanation.

ST9: DRIVE MODE SETTINGS allows you to set the drive mode to PAS Only (1-1), Throttle Only (1-2), or Both Throttle PAS (1-3). The default setting is 1-3 for both throttle PAS.



TROUBLESHOOTING

⚠ CAUTION: When checking the battery voltage, **DO NOT** touch the red and black wires together; it will spark. It can cause a shock, a burn, and/or may even start a fire.

📌 NOTE: The following instructions should be considered as general guidelines only. Your situation can be slightly different. If the problem persists and none of these options can help you solve the problem(s), call customer service at 1-800-375-0224 for further assistance.

WHY DOESN'T MY MOTOR RUN?

Before we begin to find a solution, it is best if you start with the first suggestion below. Then test the trike by riding it around to see if that fixed the issue. If it did not, then move on to the next suggestion.

UNPLUG EACH CABLE connector and check the pins (image 32) to see if they are bent. It may be difficult to see if the pins are bent, so use a flashlight. It will make it easier to see if the pins are okay, then gently plug them back in (image 33). A bent pin can be hard to spot because it only has to bend a little bit to be a problem.

CHECK THE BATTERY to see if it has turned on.

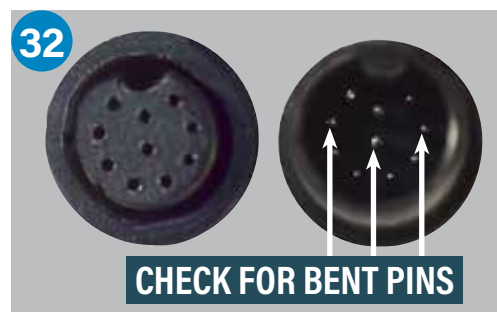
CHECK THE BATTERY AND CHARGER to see if the cords are worn, cut, scratched, or gouged.

CHECK THE E-BRAKES to see if the parking brake lever (image 34) is stuck in the unlock position. If so, the motor will shut off. Try disconnecting the e-brake cables to see if it is a bad switch. A bad switch will also cause the motor to shut off.

To learn more about the Parking Brake, turn to page 37.

CHECK THE BATTERY'S VOLTAGE by testing the battery with a multimeter (image 35). A 48-volt battery should measure at least 47 volts.

If any of these components are worn, cut, scratched, and/or damaged, then **DO NOT** ride the electric Fat Trike until you contact customer service at **1-800-375-0224** and the components have been replaced.



TROUBLESHOOTING (CONTD.)

ERROR CODES FOR THE LCD

If an error code occurs, your trike will likely not function. On the LCD, the error code will be displayed in the speed section. Below is a list of six error codes. Please check the area (cause) to find the problem. Please contact customer service for further assistance if you do not see the error code listed below.

If any of these components are worn, cut, scratched, and/or damaged, then **DO NOT** ride your electric Fat Trike until you contact customer service at **1-800-375-0224** and the components have been replaced.

Go to page 45 and learn Why Doesn't my Motor Run?



| ERROR CODE | PROBLEM | CAUSE |
|------------|---------------------------|---|
| 21 | Current Issue | <ul style="list-style-type: none">▪ Damaged Motor Cable (Short Circuit)▪ Controller Problem or Motor Problem |
| 22 | Throttle Stuck On | <ul style="list-style-type: none">▪ Bent Pin on the 4-to-1 Cable |
| 23 | Motor Phase (Power) Issue | <ul style="list-style-type: none">▪ Motor Cable is Not Plugged In All the Way▪ Current Limit (ST7) is Too Low for Conditions▪ Controller or Motor Problems |
| 24 | Motor Hall Sensor Issue | <ul style="list-style-type: none">▪ Motor Cable is Not Plugged In All the Way▪ Bent the Small Pin on the Motor Cable▪ Damage to the Wire on the Motor Cable |
| 25 | E-Brake Issue | <ul style="list-style-type: none">▪ Parking Brake is Stuck On Before Power On▪ Brake Cable Isn't Fully Plugged In |
| 30 | Communication Issue | <ul style="list-style-type: none">▪ Controller or Motor Problem or Bent Pins▪ 4-to-1 Accessory Cable is Damaged▪ Controller May be Damaged |

CLEANING AND LUBING THE FAT TRIKE

⚠ CAUTION: Before you begin to wash your electric Fat Trike, **REMOVE THE BATTERY** from the trike. Failure to do so could damage the electrical components and system. Avoid spraying water on the electrical parts of the trike. There is a potential of having electrical problems due to the water getting in. If you think damage has occurred, **DO NOT** use the electric Fat Trike and call customer service at 1-800-375-0224 for further assistance.

We strongly recommend that you **DO NOT** use a pressure washer, steam cleaner, or pressure hose. These could cause dirt, debris, or water/moisture to move into sensitive areas. A high-powered hose could also wash away grease, intended to prevent water and dirt from penetrating the bearings.

Avoid getting soap, oil, cleaning products, or foreign substances on the brake rotors and pads. This will contaminate the pads and prevent their stopping performance.

🔧 TECH TIP: Wear disposable or nitrile gloves to avoid getting dirty and greasy hands.

📌 NOTE: Several bicycle companies now supply e-bike cleaners and e-bike chain lube. Ask a bike shop or other electric bike or trike owners what they recommend.

HOW TO CLEAN THE ELECTRIC FAT TRIKE

Unless the electric Fat Trike is filthy, you can “spot clean” (cleaning only where it is dirty) your trike. Be cautious of the electrical parts of the trike and water. Avoid spraying water directly onto the electrical parts. Failure to do so could damage the trike’s electrical components and system.

Some bike cleaners' instructions will have you spray directly on the trike, follow their directions. The instructions below are general guidelines for cleaning your electric Fat Trike.

First, remove the battery from the trike and keep it in a safe place away from the water. Fill a bucket with warm water and add a few drops of dish soap or bike cleaner. Please ensure you use only the gentle hose setting to clean the sensitive parts like the bearings, headset, wheel hubs, etc. Avoid the electrical components, like the LCD, and controller. Light water is acceptable but soaking and/or blasting the electrical parts **IS NOT** advised.

Take the soapy sponge and wipe the frame, handlebars (carefully around the LCD), under the seat, seatpost, fender, basket, rims, and tires. Using the gentle setting, rinse everything off with the hose. Wipe down the trike with a clean, soft cloth, making sure to avoid the disc brakes (you do not want to contaminate the disc with oil or a cleaning product). Wipe the trike until it is completely dry.

HOW TO LUBE THE ELECTRIC FAT TRIKE CHAIN

Place newspapers under the chain line to avoid a mess. Take a shop rag, grasp the chain lightly with your left hand, and use your right hand to pedal the trike forward. The chain will lightly run through your shop rag hand. Doing this will help remove the chain’s grime, old oil, and dirt. Spin the chain for a few rotations.

Apply a bead of dry chain lube along the chain line and spin the chain for a few rotations. Grab a clean shop rag and lightly grab the chain as it runs through the rag. You are trying to remove any of the excessive chain lube.

MAINTENANCE & SERVICE

⚠ WARNING! Be sure that any problems identified in the maintenance section or otherwise are addressed immediately. If these problems exist, **DO NOT** ride your electric Fat Trike! If you continue to ignore loose or damaged components/fasteners. It will damage the trike and possibly result in a fall and/or injury.

Never inflate a tire beyond the maximum pressure (30 PSI) that's marked on the tire's sidewall. Exceeding the recommended maximum pressure may blow the tire off the rim, damaging the trike and injuring the rider and bystanders. Although the sidewall on the electric Fat Trike tires recommends a tire pressure of 5-30 PSI, we strongly advise you **NOT** to inflate or deflate the tires to the 5-11 PSI range. Operating the trike at these low tire pressures can cause loss of control issues, with the potential for accident and injury.

There is a safety risk when using gas station air hoses or air compressors. These machines aren't intended for bicycle tires. They move a large volume of air very quickly and will raise the pressure in the tire very rapidly, which could cause the tube to explode. Use a floor bicycle pump or a hand bicycle pump.

⚠ CAUTION: For the electric Fat Trike to remain safe and reliable, a maintenance schedule is required. If you are uncomfortable performing trike maintenance, you should visit a bike shop for help.

🌐 TECH TIP: The tire PSI information is located on the sidewall of the tires. Electric Fat Trike recommends using 12-30 PSI. Putting more or less PSI will depend on the rider's weight, terrain, and riding preferences.

📌 NOTE: We highly recommend carrying a spare inner tube(s) when riding your electric Fat Trike. Patching a tube is an emergency repair. Suppose you do not apply the patch correctly or apply several patches. In that case, the tube can fail, resulting in you losing control, falling, and possibly being injured. Replace the patched tube as soon as possible.

MAINTENANCE AND SERVICE IS REQUIRED

Electric bikes and trikes require more care to ensure safety and performance since they have more componentry and electronics and may be ridden further and faster than conventional bikes.

BEFORE EACH RIDE OR AS A WEEKLY SERVICE

CHECK THE SEATPOST QUICK-RELEASE LEVER, so it is tight and secure.

CHECK THE WHEELS for side-to-side movement (there should not be any).

CHECK THE SPOKES by squeezing two spokes together. There shouldn't be any excessive play between the two spokes.

CHECK THE TIRES to see if they are underinflated. Inflating the tires to the correct PSI will depend on the rider's weight, terrain, and riding preferences. Try to keep the tire PSI range between 12-30. Use a bicycle floor pump to add more or less air.

Go to page 23 and learn how to use the Quick-Release Lever or turn to page 39 and learn how to Inflate the Tires.

MAINTENANCE & SERVICE (CONTD.)

⚠ WARNING! The electric Fat Trike uses powerful disc brakes, and it is essential to realize that there is presumably a flipping over danger if the front brake is fully applied at high speed. Be cautious when applying the front brake, and gradually use the front and rear brake in unison for a more controlled stop.

DO NOT use the electric Fat Trike if you exhibit any corrosion or rust or if the cables or wire connections look burnt. Contact customer service at 1-800-375-0224 for further assistance.

⚠ CAUTION: To test the trike with a "slow roll test," wear your helmet and ensure that the area you are using is clear of any objects that can injure you or any objects you can damage.

Ⓝ NOTE: How long can you expect the brake pads to last will depend on how much riding you do, the type of riding terrain, the weather conditions, and the rider's weight are factors influence how long they last.

BEFORE EACH RIDE OR AS A WEEKLY SERVICE

CHECK THAT THE BRAKES are working correctly by applying a "slow roll" test. Check your surroundings so that you are clear of any objects that can hurt you or you to do any damage to (a house, people, a car, etc.). Wear a helmet, get on the trike, accelerate slowly, go ten feet, and then apply the front brake to see if the power cuts off. If the power cuts off, then it is working. If the power does not cut off, then call customer service at **1-800-375-0224** for help.

CHECK THE CABLES AND WIRE CONNECTIONS, so they do not exhibit corrosion, cut, gouged, or look/smell burnt. **DO NOT** use or charge the electric trike if you see any of these warning signs. Contact customer service at **1-800-375-0224** for further assistance.

CHECK THE BATTERY to see if it has fully charged and if the connections are secure and tight.

ADDITIONAL WEEKLY SERVICES

CHECK THE CHAIN to see if it is grimy and dirty.

CHECK THAT THE BRAKE ROTORS are straight and not rubbing on the brake pads.

CHECK THE BRAKING POWER that it is stopping in sufficient time. Braking in the brake pads involves several starts/stops increasing the pressure on each stop to build up heat and speed up the process.

Go to page 47 and learn how to Lube the Chain or turn to pages 36 and 37 to learn how to Brake Correctly.



Watch Our Video on **Lithium-ion Battery Safety Tips**

Click or copy this link: <https://youtu.be/xdMwU8cnR0Q>

MAINTENANCE & SERVICE (CONTD.)

⚠ WARNING! Be sure that these problems are addressed immediately. **DO NOT** ride your electric Fat Trike if a problem exists! Call customer service at 1-800-375-0224 and inform them of the issue.

Ignoring loose or damaged components/fasteners will damage the trike even further and possibly result in a fall or an injury.

⚠ CAUTION: If you do not have the mechanical or physical ability to correctly and safely perform these tasks, then you should obtain the services of a bike shop.

AFTER EACH RIDE

TURN OFF the electric Fat Trike by pressing and holding the “i” button on the remote pad.

CHECK THE FRAME, WHEELS, AND TIRES for any damages.

CHARGE THE BATTERY to keep it healthy.

CLEAN THE ELECTRIC FAT TRIKE to remove any mud, dirt, sand, or dust from the trike. If necessary, spot clean the trike to remove the mud, dirt, sand, or dust.

Go to pages 32 and 33 to learn how to Charge the Battery or turn to page 47 to learn how to wash your electric Fat Trike.

THREE MONTHS SERVICE

INSPECT THE FRAME AND FORK for cracks or dents, paint cracks, blisters, or bulges that might indicate damage.

CHECK THE COMPONENTS such as the seatpost, seat, stem, handlebar, cranks, and brakes so that nothing is bent or feels loose.

CHECK THE TORQUE ARM BOLTS, as they should be tight and secure.

CHECK THE WIRING to see if it exhibits corrosion, cut, gouged, or looks/smells burnt.

DO NOT use or charge the electric Fat Trike if you notice these warning signs. Contact customer service at 1-800-375-0224 for further assistance.

CHECK ALL THE BOLTS to ensure nothing has come loose due to vibration.

Go to page 17 to see where the Torque Arm is located or turn to page 51 to see the Torque Specs for each component.

EVERY SIX MONTHS

INSPECT THE BEARINGS in your headset, rear axle, pedals, and bottom bracket. These bearings need to be periodically repacked, lubricated and/or replaced.

TORQUE SPECS

⚠ WARNING! Bolts that are too tight can stretch and deform. Bolts that are too loose can move, fatigue, or even fall out. Either mistake can lead to a sudden failure of the bolt.

Failure of specific bolts could lead to bicycle/tricycle malfunction or breaking, resulting in personal injury risk.

THESE ARE ONLY RECOMMENDATIONS

Correct tightening torque of threaded fasteners is critical to your safety. Always tighten fasteners to the correct torque setting. These are based on factory testing, industry accepted standards, and manufacturer specifications.

These recommendations are to be used as a guide for a skilled, trained mechanic to use when assembling, adjusting, or repairing an electric Fat Trike. Always use your best judgment—these figures are given without warranty and are subject to change without notice. Torque measurements given in Ft-Lbs or Nm were convenient for commonly available tools that use those units. Make your own conversions as needed.

Always use a correctly calibrated torque wrench to tighten critical fasteners on your electric Fat Trike. Carefully follow the torque wrench manufacturer's instructions on the correct way to set and use the torque wrench for accurate results.

| COMPONENTS | TORQUE |
|-------------------------|---------------------------------|
| Front Wheel Nuts | 22 – 27 Nm 16.2 – 19.8 Ft-Lbs |
| Rear Wheel Nuts | 24 – 29 Nm 17.5 – 21.3 Ft-Lbs |
| Saddle Rail to Seatpost | 12 – 17 Nm 8.8 – 12.5 Ft-Lbs |
| Seatpost Clamping Nut | 15 – 19 Nm 11.0 – 14.0 Ft-Lbs |
| Handlebar Clamping Nut | 17 – 19 Nm 12.5 – 14.0 Ft-Lbs |
| Headset Expansion Nut | 17 – 19 Nm 12.5 – 14.0 Ft-Lbs |
| Crankset Bolts | 22 – 27 Nm 16.2 – 19.8 Ft-Lbs |
| LCD Clamp | Less Than 1 Nm |
| Throttle, LCD Buttons | Less Than 1 Nm |
| E-Brake Clamp | 5 Nm |

ELECTRIC FAT TRIKE SIZING

1- Handlebar Reach: 24"-27"

2- Handlebar Rise: 8"-10"

3- Seat Height* to Pedal: 28"-33"

4- Standover Height: 24.5"

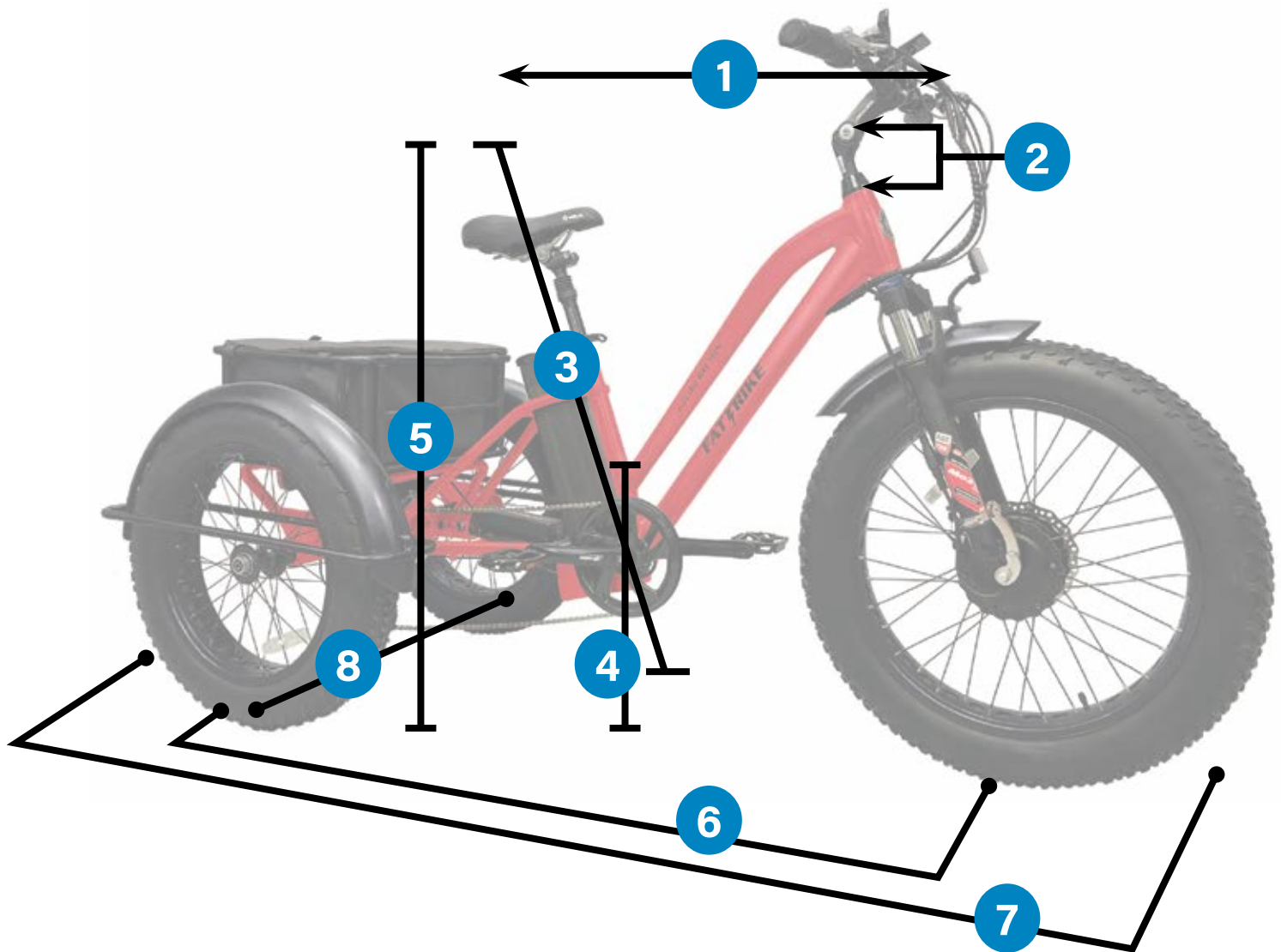
5- Seat Height* to Ground: 34"-40"

6- Wheelbase: 49"

7- Overall Length: 78"

8- Overall Width: 31"

* The seat height was measured from the minimum insertion height (marked on the seatpost) to the lowest seatpost height.



Rear Basket:
17.5" Length x 14.5" Width x 8" Depth

Rider Height Requirements:
5' - 6'4"

Ground Clearance at Rear Derailleur:
Approx. 4"

Turning Radius:
Approx. 10' 9"

Overall Weight:
88 lbs

ELECTRIC FAT TRIKE SPECS

| | |
|---------------------|---|
| INTENDED USE | Mobility, Neighborhood, Cruising, Paved Trail, Sand and Rural |
| COLOR | Red, Blue, Silver and Black |
| TOP SPEED | 26 Mph with a Programmable Limit |
| RANGE | 12–26 Miles (Based on Rider Weight, Input and Terrain Contingent) |
| MOTOR | Bafang Motor – Front Geared with 750–1,000 Peak Watts @ 320 RPM (48v) |
| TORQUE | 84 Nm |
| MAX PAYLOAD | 275 bs includes Rider and Cargo |
| CHARGE TIME | 5.8 Hours (From 0–100%) |
| CHARGER | 48v 2Ah XLR |
| DRIVE MODE | Throttle-On-Demand, 5 Assist Levels, Programmable Speed, and Current Limit |
| FRAME | Alloy Aluminum |
| SUSPENSION | (F) Mozo MTB Ride Fork Spring Suspension with 80mm Travel and 180mm Rotor |
| WHEELS | (F) 24" Alloy (R) 20" with 36H Stainless Steel, 13g Black Spokes and Nipples |
| TIRES | (F) Kenda Gigas 24" x 4" (R) Kenda Krusade 20" x 4", Schraeder Valve Tube, 20–30 PSI |
| SADDLE | Velo Flurry VL-6105 |
| SEATPOST | ProMax Suspension Seatpost with 40mm Travel, Flip-up Lever for Battery Access, 368.3mm Length x 27.2mm Dia with a Quick-Release Lever |
| STEM | ProMax, Alloy 90mm Length x 31.8mm Dia Bar Clamp with an Adjustable Rise |
| HEADSET | 1"–1"1/8" Tapered Threaded, Sealed Cartridge Bearings |
| HANDLEBAR | Alloy, Low Rise, 680mm Length x 22.5 Dia |
| BRAKES | (F) Tektro Aries Mechanical Disc with 180mm Rotor (R) with 160mm Rotor |
| BRAKE LEVER | Two Brake Levers with an E-Brake Shut-Off, Parking Brake Lock and Integrated Bell |
| GRIPS | Faux Black Leather Ergo Grips |
| DISPLAY | Monochrome LCD |
| SHIFTER | Shimano SIS Index |
| DERAILLEUR | Shimano Altus |
| CRANKSET | Prowheel Alloy, 170mm Length and 48t Chainring |
| CHAIN GUARD | Black Bash Guard |
| GEARING | Shimano 7 Speed (1x7) and 13–28 Tooth Cassette |
| PEDALS | Wellgo, Alloy Platform with 9/16" Thread |
| BASKET | (R) Color Matched, Heavy-Duty Aluminum Basket, 17.5" Length x 14.5" Width x 8" High with 33-Liter DryBag |
| FENDER | Color Matched Front and Rear |
| LIGHTS | (R) 3 LED Frame Mounted Lights, Under the Basket (Requires Two AA Batteries) |
| WEIGHT | 88 lbs |

PARTS: Batteries, Chargers and Battery with a wCanvas Bag

ACCESSORIES: Safety Flag, 3" Bar-End Mirror, Gel Seat Cover, Fur Seat Cover, Sunlite Griplite Head & Tail Light Set, Dash Pro 600 Headlight, Sunlite Ion Tail Light, and a Sunlite DOT-USB Tail Light.

ELECTRIC FAT TRIKE BATTERY SPECS

| | |
|------------------------------------|--|
| NOMINAL VOLTAGE | 48v |
| NOMINAL CAPACITY | 11.6Ah |
| BATTERY ENERGY | Approx. 556w |
| DIMENSIONS | Approx. 15.5" Length x 4.3" Width x 3" High |
| TOTAL WEIGHT | 8.8 lbs |
| CELL ASSEMBLY | 18650 – 3.6v – 13S |
| LIFE CYCLES | 80% DOD = 800 Cycles |
| MAX CONTINUOUS DISCHARGE | 22.5A |
| BMS PROTECTION CURRENT | 30A |
| DISCHARGE CUT-OFF VOLTAGE | 37.5v |
| MAX CHARGE VOLTAGE | 54.6v |
| INNER RESISTANCE | 50mΩ |
| CHARGE TIME | 3.3 Hours |
| OPERATION TEMPERATURE RANGE | Charge: 0°C – 45°C / Discharge: -20°C – 60°C |
| STORAGE TEMPERATURE | 0°C – 40°C (Extended Storage: 15°C – 25°C;) |
| BATTERY BOX MATERIAL | Aluminum Enclosure |
| BATTERY WEIGHT | 4.4 – 10.6 lbs |
| ASSEMBLED PACK CERTIFICATES | UN38.3; MSDS; RoHS; SGS |
| LIMITED WARRANTY | 1 Year |
| MANUFACTURER | Electric Bike Technologies, Inc. |