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

ElectricTrike.com

ELECTRIC FAT TRIKE

OWNER'S MANUAL

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

v020124

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.

ElectricTrike.com

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 AND 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. Click or copy this 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 **https://www.instagram.com/electrictrike**
- **Twitter:** Follow us **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.

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 46 & 47** 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.

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

Engaging in cycling, as with many recreational activities, inherently presents certain risks, including potential injury and property damage. The rider acknowledges and willingly assumes these inherent risks by electing to operate an electric tricycle. It is incumbent upon the rider to be thoroughly acquainted with safety procedures, responsible riding practices, and the requisite maintenance protocols. Adherence to proper use and consistent maintenance of the electric Fat Trike can substantially diminish the likelihood of accidents or injuries.

While this electric Fat Trike owner's manual endeavors to provide comprehensive guidance on safe tricycle operation, it is not exhaustive and cannot contemplate every conceivable situation or condition that might arise during cycling. Consequently, the manual does not make any representations or guarantees concerning the safe operation of the electric tricycle under all potential conditions. Certain risks, unforeseeable and inherent to the nature of operating any electric tricycle, remain, and such risks are the exclusive responsibility of the rider.

When you review the electric Fat Trike Owner's manual, you'll notice specific symbols and warnings at the beginning of various sections. We strongly advise you to understand these Warnings, Cautions, Tech Tips, or Notes before delving into the rest of the content. We'll provide a detailed explanation of these symbols and warnings below.

⚠ **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: Look for this symbol for insights and recommendations related to installation and usage.

Ⓝ **NOTE:** This symbol points to vital and helpful information you shouldn't miss.

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 electric Fat 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 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 Trikes 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 & CARGO TRAILER SAFETY & 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's 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 50, 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 & TRICYCLE SAFETY RULES

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 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 loses 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 (or 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

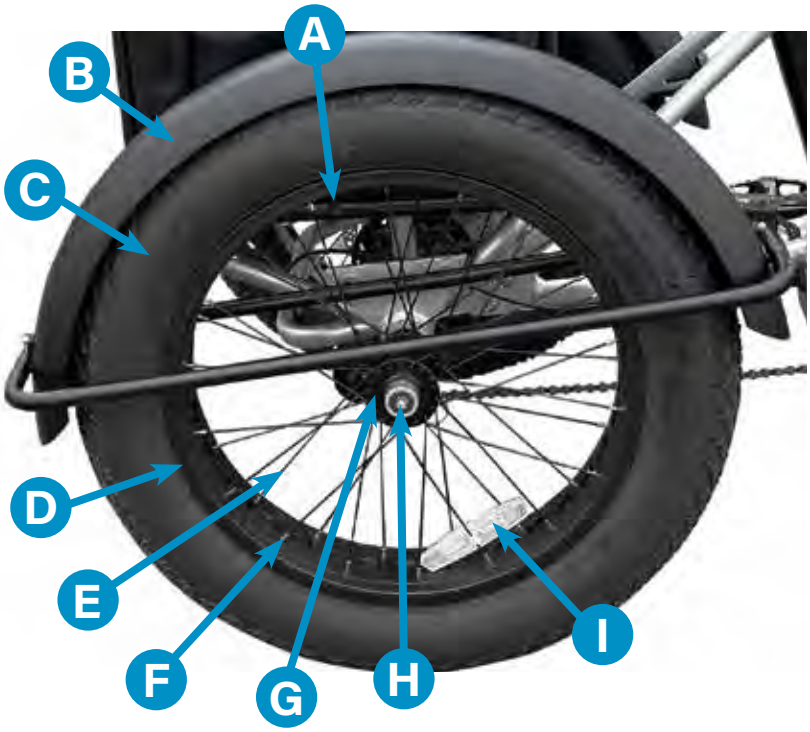
DETAIL COMPONENTS

⚠ **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

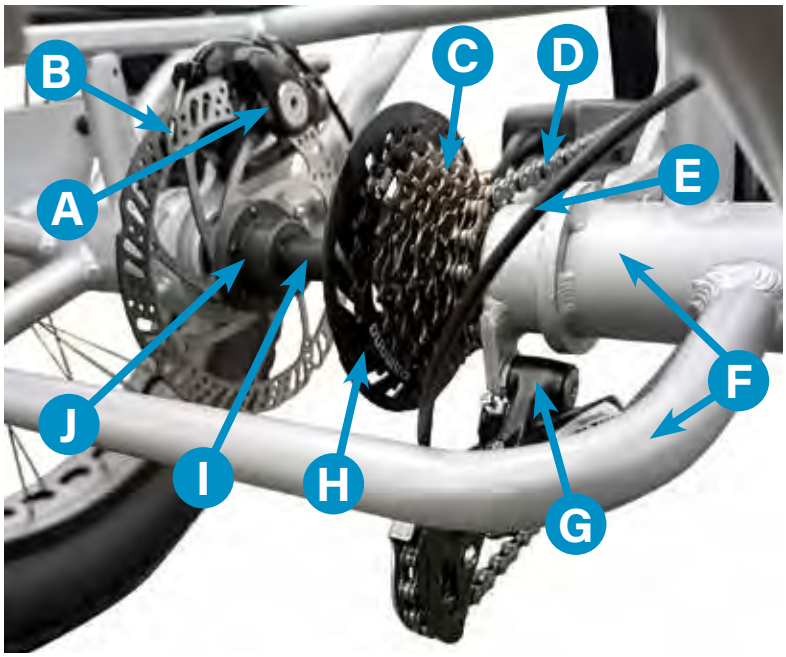
A - Reflector
B - Front Fender
C - 20" x 4" Tire
D - Rim
E - 180mm Brake Rotor
F - Hub Motor
G - Front Axle
H - Torque Arm
I - Brake Caliper
J - Front Fork



THE REAR WHEEL

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

DETAIL COMPONENTS (CONTD.)

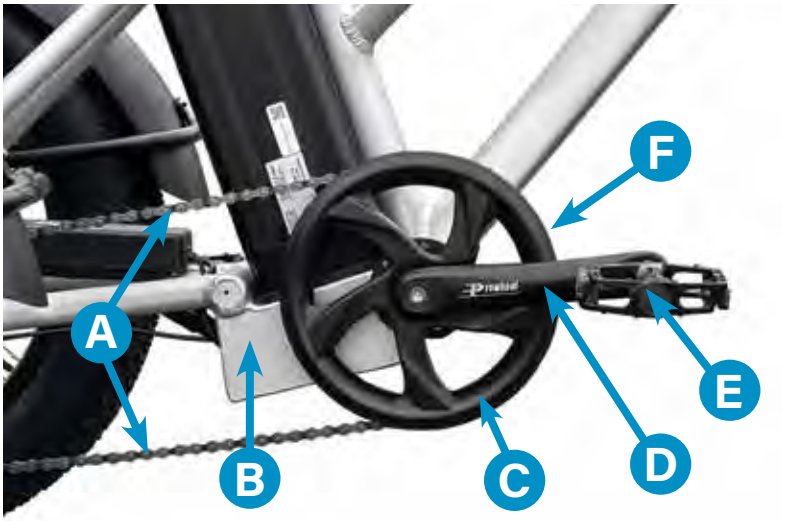


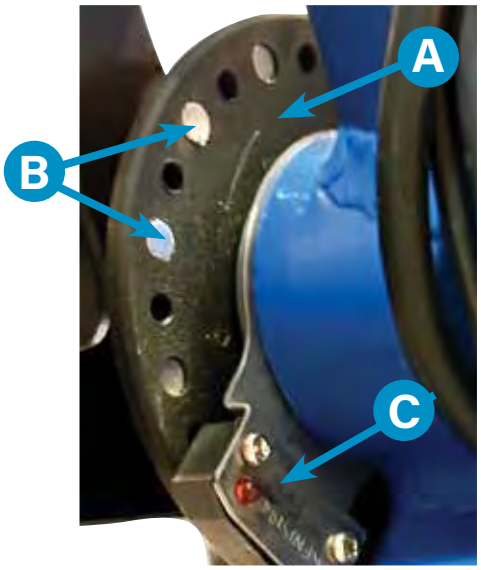
THE REAR FREEWHEEL COMPONENTS

A - Rear Brake Caliper
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 Adapter

THE DRIVETRAIN COMPONENTS

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

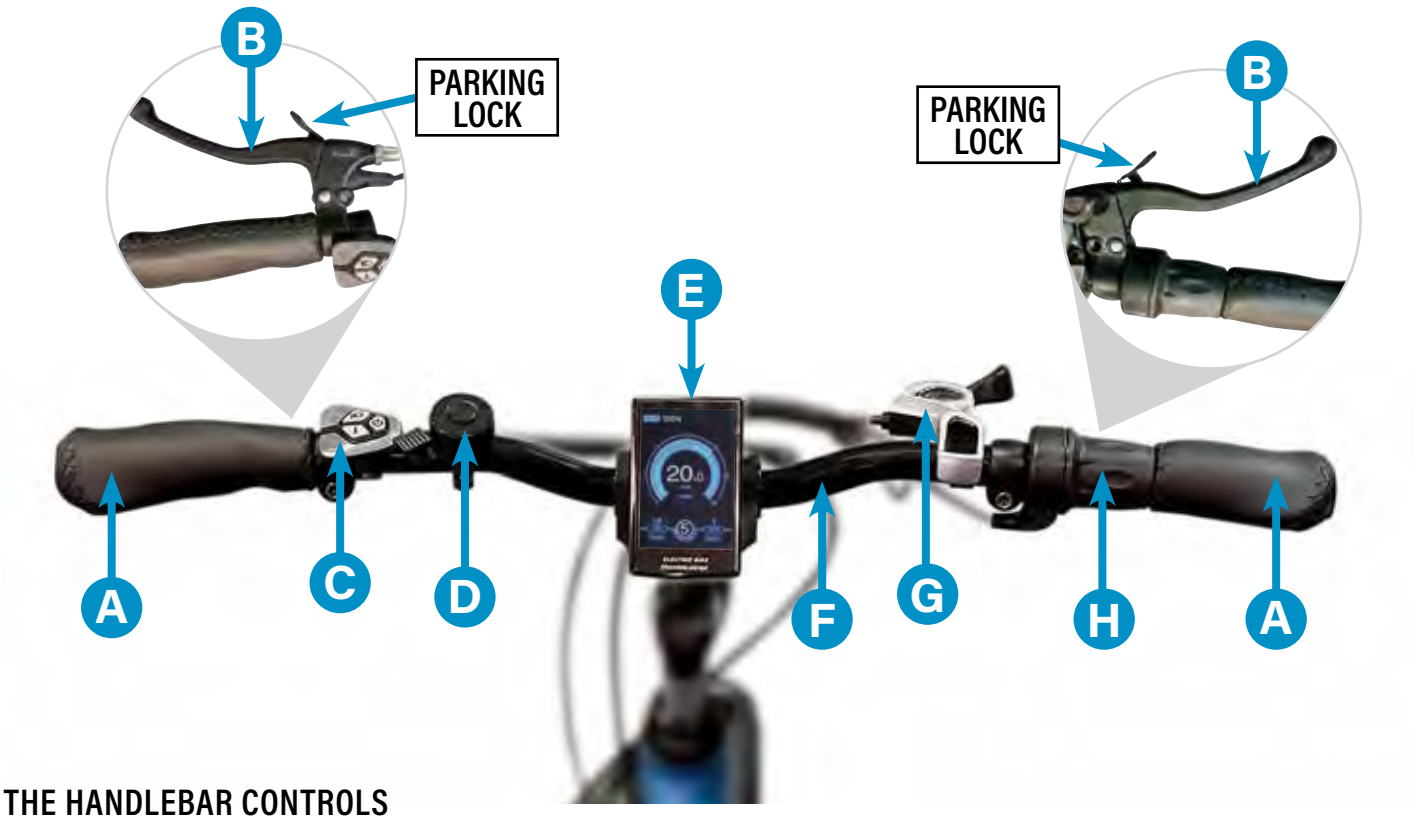




THE PEDAL ASSIST SENSOR (PAS)

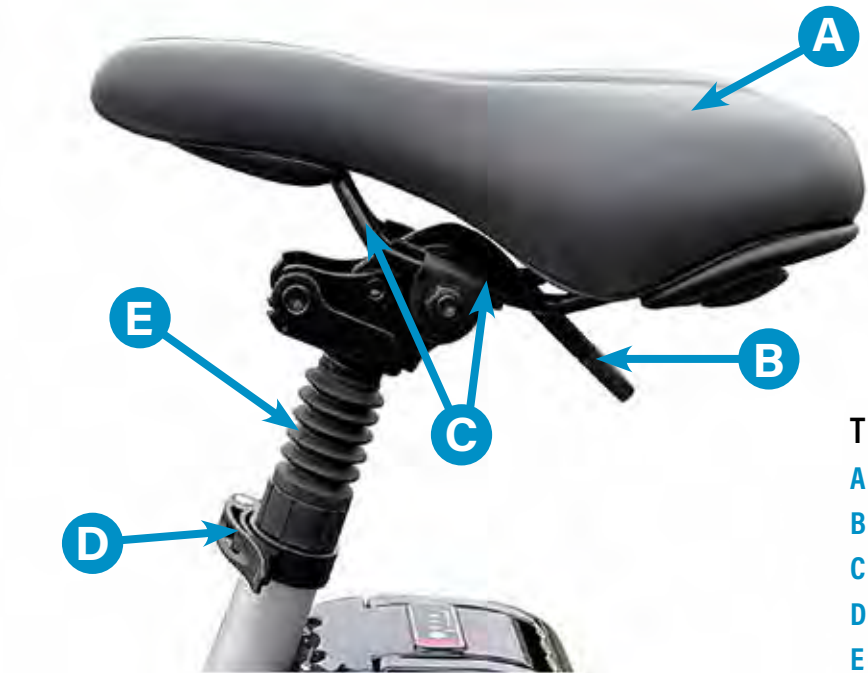
A - PAS Ring
B - Magnets
C - PAS Sensor

DETAIL COMPONENTS (CONTD.)



THE HANDLEBAR CONTROLS

A - Grips
B - Brake Levers w/ Parking Locks
C - Remote Pad
D - Bell
E - LCD
F - Handlebar
G - Shifter
H - Twist Throttle



THE SADDLE COMPONENTS

A - Saddle (or Seat)
B - Saddle Lever
C - Seat Rails
D - Quick-Release (QR)
E - Suspension

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 left.

THE BATTERY COMPONENTS

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

UNPACKING THE ELECTRIC FAT TRIKE

⚠ **WARNING!** For your safety and to mitigate potential risks, it is imperative that when utilizing tools with sharp edges, such as utility knives, wire cutters, scissors, or the like, you exercise utmost caution. At no time should you direct the cutting action towards yourself. Always ensure the cutting motion is directed away from your person. Failure to adhere to these precautions may result in personal injury.

⚠ **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 responsibility and strictly adhere to all applicable federal, state, and local regulations and laws.

TECH TIP: Retain the electric Fat Trike packaging for at least 30 days. Should you opt for a return within this period, having the original packaging will be beneficial. For details on the return policy, please visit: https://www.electrictrike.com/pages/terms-and-conditions or copy and paste the link into your browser.

NOTE: Should you discover any missing items from your order or notice damage to the trike upon delivery, refrain from using the electric Fat Trike. Instead, promptly reach out to our customer service at **1-800-375-0224** for guidance.

Your electric Fat Trike has been meticulously assembled and tested by our expert mechanics at our Croydon, PA warehouse. 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 your electric Fat Trike is straightforward. You'll require just a sharp utility knife and either a wire cutter or scissors.

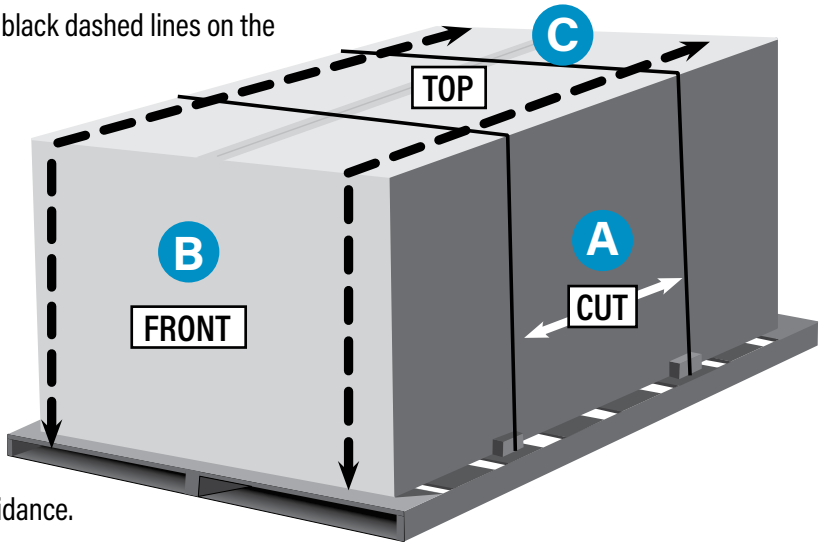
EXERCISE CAUTION WHEN USING ANY SHARP-EDGED TOOLS, SUCH AS UTILITY KNIVES, WIRE CUTTERS, OR SCISSORS. ENSURE YOU ALWAYS CUT AWAY FROM YOURSELF TO PREVENT INJURY.

STEP ONE: Using a wire cutter or scissors, carefully cut the black bands (A) securing the box to the skid.

STEP TWO: With caution, use a knife or scissors to slice along the black dashed lines on the front (B) and top (C) of the cardboard box.

STEP THREE: Gently fold down the front cardboard section (B) and pull back the top section (C) to reveal the electric Fat Trike inside.

STEP FOUR: Delicately cut all the zip ties inside the box that anchor the electric Fat Trike to the pallet. Ensure you don't scratch or damage the electric Fat Trike while using the wire cutter or scissors.



STEP FIVE: Gradually roll the electric Fat Trike out of the box. Thoroughly inspect the electric Fat Trike for any potential damages sustained during delivery. If you observe any issues, please contact customer service at **1-800-375-0224** for further guidance.

LEARN MORE ON OUR **HELPFUL VIDEOS PAGE!**

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

THE WELCOME KIT

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

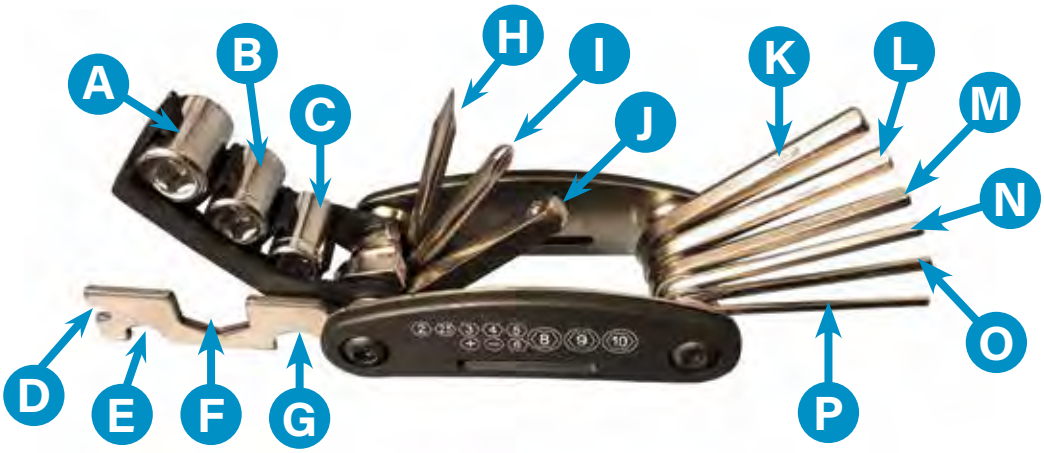
WHAT'S IN THE DRYBAG?

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** - Welcome / Warning Letter
- **B** - Multi-Tool
- **C** - Electric Bike Technologies Stickers

MULTI-TOOL

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



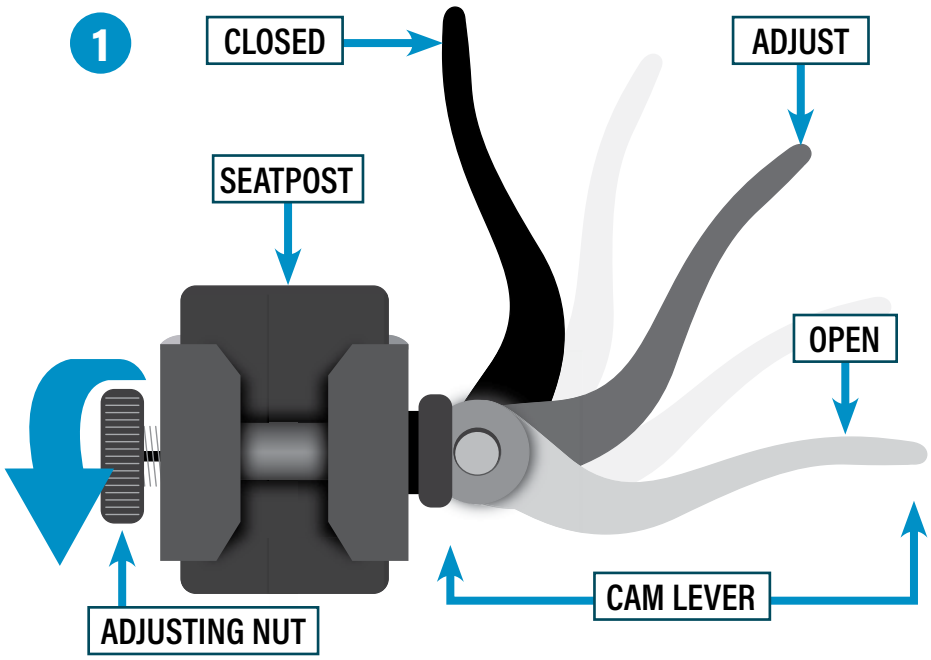
QUICK-RELEASE LEVER OVERVIEW

⚠ **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 beneath the seatpost clamp to prevent weakening that could lead to bending, cracking, or breaking, potentially causing injury or a fall. An inadequately secured seatpost quick-release lever may result in the seatpost twisting or descending into the frame, leading to a loss of control, a possible fall, and subsequent injury.

TECH TIP: Keep in mind, positioning the seat above the level of your handlebars can result in increased pressure on your neck, wrists, arms, and back.

NOTE: The electric Fat Trike's seatpost does not feature white lines; these were used in the image solely for reference to highlight specific areas.

HOW TO FIND YOUR CORRECT SADDLE HEIGHT

To determine the optimal saddle height on your electric Fat Trike for maximum comfort and performance, sit on the trike, position one foot on the pedal in the down position with the crank arm parallel to the seat tube, and observe your leg's extension. The correct height is indicated by a slight bend in your knee when your foot is flat on the pedal, while a raised heel or a visibly bent knee suggests the seat is too high or too low, respectively.

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.

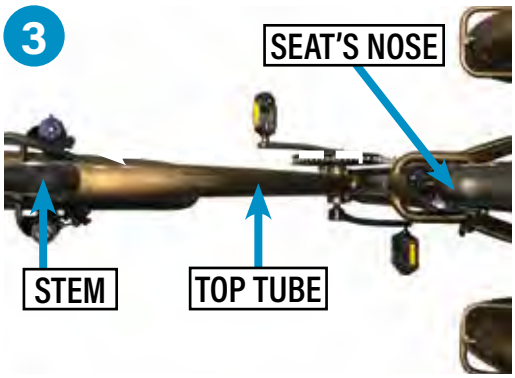
ALIGNING AND SECURING THE SEATPOST

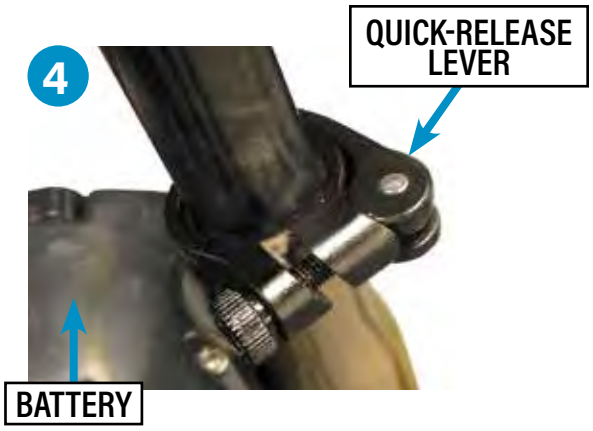
Before you secure the seat, make sure to align the nose of the seat so that it's pointing straight ahead, consistent with the trike's top tube as illustrated in image 3. Proper alignment is key for ensuring balanced riding and comfort.

As you prepare to tighten the quick-release lever, it's important to adjust its position to avoid interference with the battery. If not correctly aligned, the lever could block the battery, making it difficult to remove from the trike. Refer to image 4 to adjust the quick-release lever's position, ensuring it's set in a way that provides clear access to the battery.

Next, secure the seat in place by tightening the quick-release lever. Turn the lever clockwise until you feel firm resistance, signaling a secure attachment. Then, carefully adjust the position of the lever to make it parallel to the frame, preventing it from being accidentally caught or snagged during your rides.

To learn more about the Removing the Battery, turn to page 25.





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

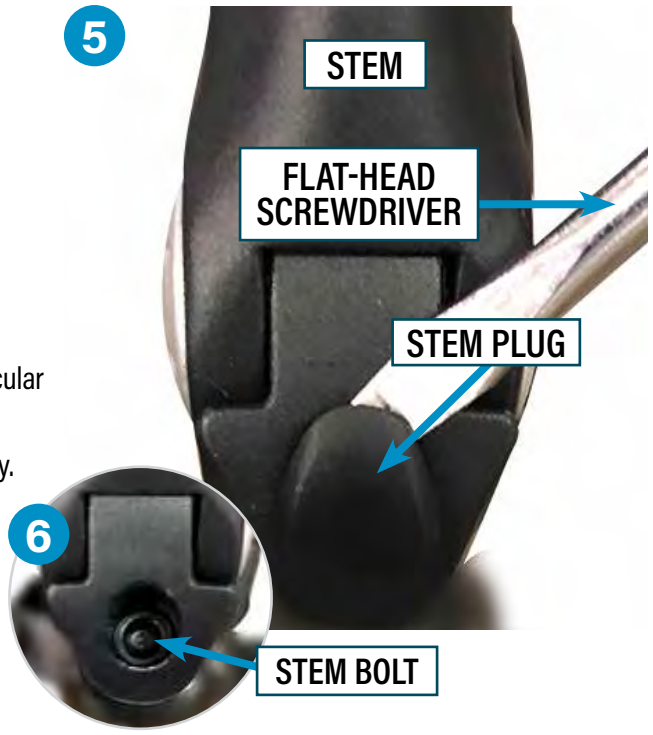
Determining the appropriate stem height is crucial for ensuring a comfortable handlebar reach, which varies based on the individual rider's arm and torso length. Your optimal reach places your hands on the handlebars with a slight elbow bend, facilitating a more comfortable riding experience.

BEFORE ADJUSTING THE STEM HEIGHT

Before adjusting the stem height, sit on the trike and extend your arms to grasp the handlebar. If the handlebar is beyond your reach, **refer to page 24 for guidance on How to Adjust the Stem Rise.** If the handlebar is comfortably within reach, you may continue with the current settings.

ADJUSTING THE STEM HEIGHT

To modify the stem height, access the flat-head screwdriver and the 6mm Allen key from your multi-tool (refer to page 20 for their exact locations within the multi-tool).



1) Use the flat-head screwdriver to carefully remove the stem plug (image 5). Store the stem plug in a secure spot. Upon removal, you'll observe the stem bolt inside (image 6).
2) Employ the 6mm Allen key to loosen the stem bolt slightly by turning it counterclockwise. Do not fully extract the bolt from the stem.
3) Adjust the handlebar to your preferred height, ensuring it remains perpendicular to the front wheel for proper alignment.
4) Partially tighten the stem bolt by turning it clockwise with the 6mm Allen key. Then, mount the trike and reach out to the handlebars. An optimal riding posture is achieved when your arms are parallel to the ground, featuring a modest bend at the elbows.
    A) If the position is uncomfortable, readjust the stem height and re-evaluate.
    B) If the alignment feels correct, secure the stem bolt by tightening it clockwise with the 6mm Allen key. Exercise caution to avoid over-tightening, which could strip the bolt.
5) Reinsert the stem plug into its position. If it resists, gently tap it back into place using a hammer, ensuring it's firmly secured.

THE STEM (CONTD.)

⚠ **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.

REGARDING THE STEM RISE

For an enjoyable experience on your electric Fat Trike, it's crucial that the handlebar is easily reachable, optimizing your riding posture. The stem rise refers to the stem's inclination connecting the fork to the handlebar. A positive degree angle (+) implies a more elevated stem rise, facilitating a more upright riding stance. Conversely, a negative angle (–) indicates a lowered stem, leading to a forward-leaning position. Typically, leisure riders are fond of a more vertical alignment for comfort.

Adjacent to the stem, you will find the stem angle bolt highlighted with a cyan circle in image 7. This bolt allows you to modify the stem's inclination for a comfortable ride.

Next to this adjustment point, image 8 illustrates seven distinct stem angles, listed vertically in ten-degree increments. These are 50°, 40°, 30°, 20°, 10°, 0°, and -10°, respectively. By choosing among these settings, you can personalize your riding posture for maximum comfort and efficiency.

LOOSENING THE STEM RISE

To adjust the stem rise, you'll need a 6mm Allen key. Insert the key into the stem angle bolt and turn it counterclockwise to loosen. Once loosened, you can then move the stem/handlebar upward or downward to your desired angle. It's important to align the white triangle (indicated within the cyan circle in image 8) with the corresponding degree markings to ensure the adjustment is precise. After selecting an angle, give the stem angle bolt a slight clockwise turn just to secure it in place, but don't fully tighten it yet. Now, sit on the trike to check the comfort level of the handlebar position. If it doesn't feel quite right, you'll need to readjust by trying different angles until you find the perfect one for you.

TIGHTENING THE STEM RISE

Once you've found the optimal stem angle for comfort, it's time to secure it in place. Before you proceed with the final tightening, make sure the stem does not have any play or a "wiggle" feel, ensuring stability. Confirm that the white triangle is accurately pointing to one of the degree numbers; otherwise, you won't achieve the secure fit you need for safe riding. Using your 6mm Allen key, turn the stem angle bolt clockwise until it's firmly tightened. Be cautious not to over-tighten, as this could compromise the integrity cf the bolt or stem. This secure fit ensures your handlebar remains steady, giving you a more controlled and comfortable riding experience.

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 31.***

SITUATIONS REQUIRING BATTERY REMOVAL

1) **During Travel –** ALWAYS REMOVE the battery when transporting your trike on a vehicle. Store it inside the vehicle to shield it from weather conditions, but never leave it in a hot car. Extreme temperatures and adverse weather can impair the battery's charging capacity and overall care, increasing the risk of fire, explosion, injury, or even death. Removing the battery also lessens the temptation for thieves to target your electric Fat Trike.
2) **While Charging –** Charge the battery indoors (within a house or garage) and avoid environments with extreme temperature fluctuations (10°–30°C or 50°–86°F), direct sunlight, moisture, or condensation. Before charging, allow the battery to acclimate to room temperature for two hours by bringing it inside. Always supervise the battery during charging to prevent safety hazards.

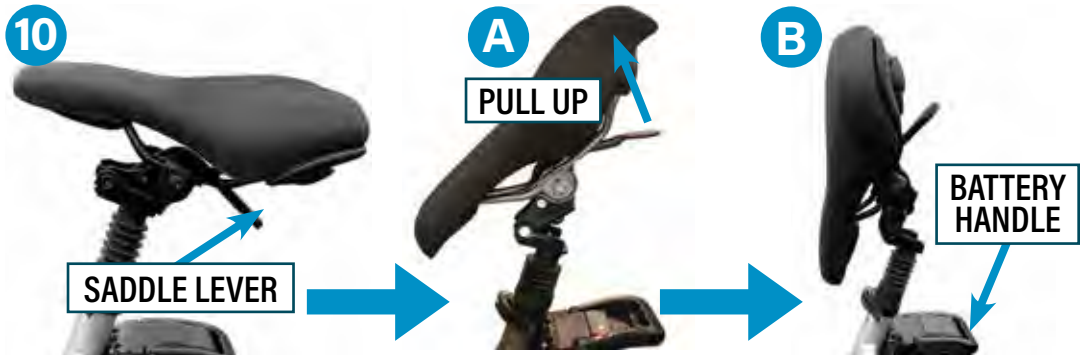
For detailed guidance on Lithium-Ion Battery Safety, refer to pages 28 and 29.

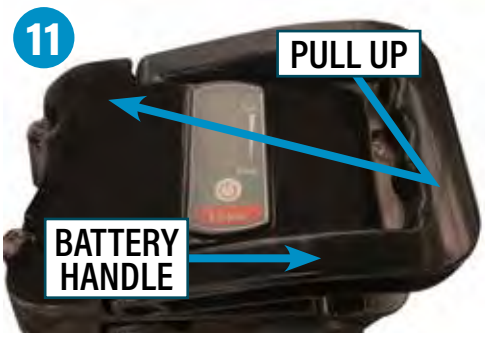
UNLOCKING THE BATTERY

Push the battery key in while turning counterclockwise to the "unlock" position as illustrated in image 9. After unlocking, remove the key prior to detaching the battery from the trike.

THE SADDLE LEVER

Under the saddle, you'll find a lever (image 10). By pulling this lever upward (image A), the saddle can easily be flipped forward (image B).





THE BATTERY HANDLE

Located on the top of the battery is a handle (image 11). To remove the battery from the trike, simply lift this handle and pull upward.

INSTALLING THE BATTERY

1) Start by aligning the battery's track (image 12) with the corresponding track within the trike's frame (image 13).
2) Carefully slide the battery along its track towards the trike's frame (image 14), ensuring a smooth descent until it securely connects with the frame (image 15)
3) After insertion, firmly press down on the battery handle until it sits flush against the battery's surface (image 16).
4) Lower the saddle (image 17) until you hear a distinct "CLICK" sound, indicating that it's securely locked in place.
5) Lastly, insert the key into the battery lock and rotate it clockwise to the "Locked & Off" position for secure storage or to the "On" position for immediate use (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 18.***

BATTERY KEY POSITIONS

A) **UNLOCK:** The battery is released from the trike, and the key can be removed.

B) **OFF:** The battery is turned off and securely locked to the trike, allowing the key to be removed.

C) **ON:** The battery is powered on, enabling the trike's operation, but 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 25.

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.
- **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.

LITHIUM-ION BATTERY SAFETY (CONTD.)

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.
- Re-ignition 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/xdMwU8cnROQ**

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.

If your battery shows signs of damage, puncture, burning, smoking, or has been involved in a fire, DO NOT use it or the associated charger. Contact our customer service immediately at **1-800-375-0224** for further assistance. Please be prepared to send photos of the affected battery or charger to **support@electrictrike.com**, accompanied by a detailed account of the incident and your contact details. Once our customer service team receives your information, they'll reach out to discuss the next steps.

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%. Remember, when the LCD is turned off, the trike is also off and will not consume power from the battery, even if the key remains in the ON position.

If you've been riding in extreme temperatures, either hot or cold, it's advisable to bring the battery indoors and allow it to acclimate to room temperature for about two hours prior to charging. Charging li-ion batteries immediately after exposure to extreme temperatures can be harmful. Not following this precaution can lead to fire, explosion, injury, or death.

When your electric Fat Trike arrives, its battery will contain a minimal charge. For best results and safety, ensure the battery is charged to 100% before taking your first ride.

For detailed insights into Lithium-Ion Battery Safety, please refer to pages 28 and 29.

BATTERY CHARGING INSTRUCTIONS

You have the flexibility to charge the battery either while it's attached to the electric Fat Trike or after detaching it.

1) Connect the charger to a wall socket, much like you would with a mobile phone charger.
2) Insert the charging cord into the charger port (as shown in image 20).
3) The charging indicator, located atop the battery (image 19), will display red LED lights, signifying the battery is charging. When the two LED lights are green and one is red, the battery is fully charged.

Turn to page 18 for the details of the Charger and Battery Components.

19

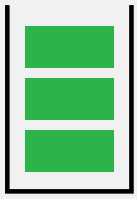
20

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. ***For detailed information on Lithium-Ion Battery Safety, please refer to pages 28 and 29.***

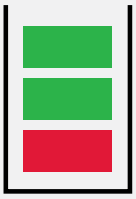
THE CHARGING INDICATOR LOCATION

The charging indicator can be found on the top of the battery, as demonstrated in image 21.

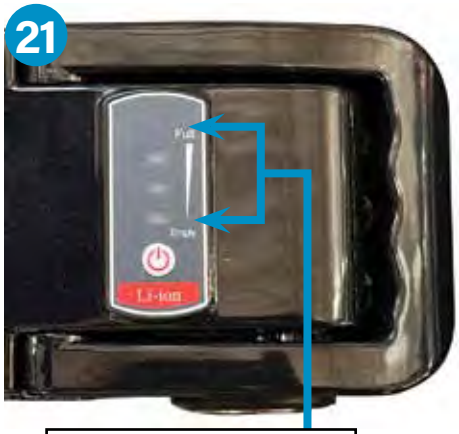


FLASHING GREEN BAR
This signifies the absence of a connected battery

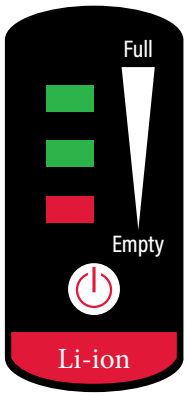
STEADY RED BAR
This indicates that the battery is presently in the process of charging.



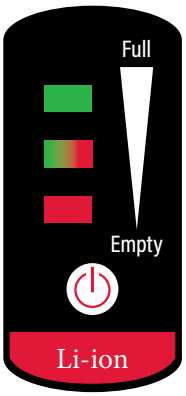
TWO GREEN BARS AND ONE RED BAR
This combination indicates that the battery is fully charged.

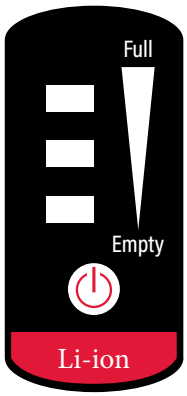


CHARGING INDICATOR

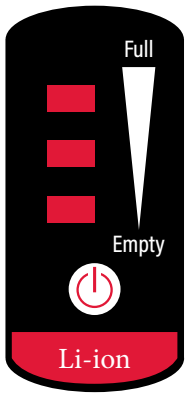


TWO GREEN BARS AND ONE RED BAR
Full Charge





NO BARS
Dead Battery



RED BAR
Charging Battery

After the battery has reached a full charge, disconnect the charger from the wall outlet immediately. It is imperative not to leave the battery connected to the charger unattended for extended periods.

REGARDING BATTERY BALANCING

Every few weeks, perform a full charge of the battery and then allow it to charge for an additional three hours. During this extended charging period, it is essential to supervise the battery and charger at all times. Battery balancing is crucial to ensure that all battery cells, including those that may not typically reach full capacity, are fully charged.

For detailed information on Lithium-Ion Battery Safety, please refer to pages 28 and 29.

DRIVING OVERVIEW

⚠ **WARNING!** Exercise caution when turning at speeds above six mph. There's a risk of the trike rolling over or requiring abrupt braking, both of which could lead to injuries. It's advisable to practice taking broader turns at reduced speeds and always ride within your capabilities. When making turns on slopes, proceed slowly and stay vigilant for potential hazards like holes, ruts, bumps, rocks, or other concealed obstructions. Steer clear of slopes with inclines greater than 15 degrees.

⚠ **CAUTION:** Before embarking on your first ride, it's imperative to thoroughly read and comprehend this manual. For a safer experience, start by riding your electric Fat Trike at a slow pace and practice regularly. This hands-on approach will enhance your riding proficiency over time.

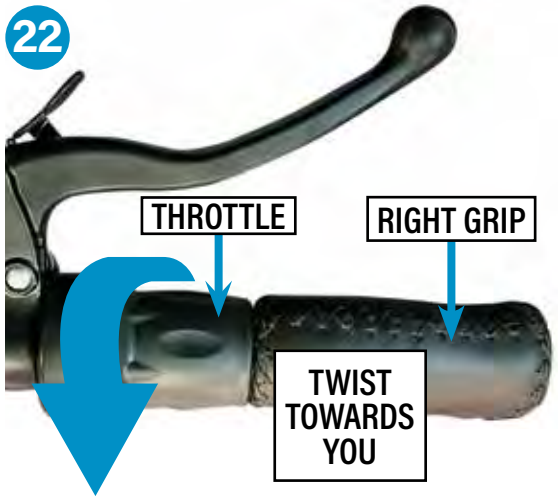
OPERATING THE THROTTLE

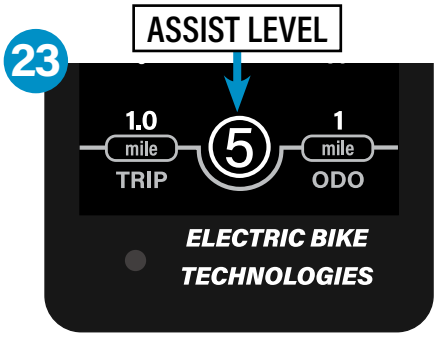
The throttle on the electric Fat Trike functions similarly to that of a motorcycle. To propel the trike forward, twist the throttle towards you, as demonstrated in image 22.

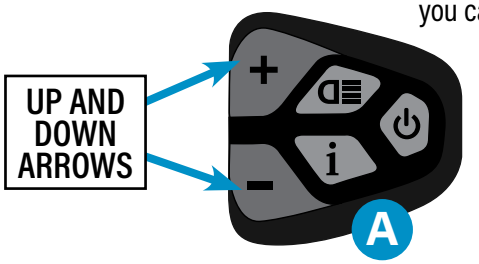
To slow down, simply lessen the twist on the throttle, and the trike will decelerate accordingly.

The throttle is especially useful when setting off from a standstill or when aiming to achieve a comfortable cruising speed. Additionally, the electric Fat Trike is equipped with a pedal-assist sensor (PAS) system.

To learn more about the PAS, turn to page 42.







HOW TO INCREASE OR DECREASE THE ASSIST LEVELS

The LCD (image 23) displays the assist levels for your electric Fat Trike. To increase motor power and hence the speed, use the remote pad's up arrow. If you wish to reduce speed, press the down arrow (image A).

As a beginner on the electric Fat Trike, it's advisable to start with the lower assist levels, ranging from 1 to 3. These initial levels grant you better control over the trike's take-off speed, ensuring a safer ride. As you gain confidence and become accustomed to turning and braking effectively, you can incrementally raise the speed or assist levels. The higher assist levels, namely 4 and 5, pack a punch in terms of power, making them ideal for tackling uphill rides.

HOW TO NAVIGATE TURNS AND SLOPES

We can't stress enough to new riders the importance of practice. Start your training on a flat, obstacle-free surface. When approaching a turn, exercise caution. It's advised to decelerate, execute a broad turn, and lean into the direction of the turn. For instance, when making a left turn, lean towards the left. Avoid making sharp turns at speeds over six mph.

Turning on slopes requires extra vigilance. Approach with reduced speed and keep an eye out for potential hazards like holes, ruts, bumps, rocks, or other concealed obstructions. When moving on sloped terrains, ensure your actions are deliberate, slow, and steady. Opt for a wide turning radius and lean into the direction of the turn. It's recommended to steer clear of slopes that have an incline greater than 15 degrees.

SHIFTING OVERVIEW

UNDERSTANDING THE SHIFTER

Situated to the left of the throttle and on the right side of the handlebar, you'll find the shifter (image 24). This device facilitates the movement of the chain across different gears on the cassette, aiding in adjusting the pedaling difficulty. This function is crucial for assisting riders when pedaling up inclines or coasting down declines.

Our electric Fat Trike boasts a straightforward 1x7 gearing system. The "1" in 1x7 indicates the single chainring (a 48-tooth chainring) protected within the chain guard. Meanwhile, the "7" highlights the number of gears present on the cassette, positioned between the rear wheels beneath the rear basket. ***For a visual representation of the cassette, refer to page 16.***

SHIFTING GEARS

1) Press the shifter button (image 24) to elevate the gear number on the display. As you increment this number by pressing the button, the shifter paddle will descend towards both you and the handlebar.
2) Increasing the gear number makes pedaling more strenuous. The ideal gear number will vary based on your fitness level, the terrain's nature, and the gradient. With experience, you'll identify a comfortable setting tailored to your pedaling needs.
3) To decrease the gear number, making pedaling lighter, push the shifter paddle forward. Adjust to a number where you feel the least resistance or maximum comfort.

Gear 1 (see image 24) offers the least resistance, ideal for uphill climbs or when traversing gravel or dirt paths, where the tires face additional resistance.

As you spend more time with your trike, you'll instinctively recognize the most comfortable gears for 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. A sudden or excessive use of the front disc brake might throw the rider over the handlebars, leading to grave injuries or even fatality.

With prolonged use, disc brakes can become scorchingly hot. Avoid touching a disc brake rotor until it has sufficiently cooled down to prevent severe burns.

Never place your fingers or any body parts near the disc calipers or the rotor, especially when they are in motion. The sharp edges can sever your fingers or cause deep cuts.

TECH TIP: Braking efficiency decreases in wet conditions or on loose surfaces, extending the time it takes for the trike to stop. Additionally, there's a higher risk of the trike sliding if the brakes lock up on these surfaces. To ensure optimal braking control in such conditions, reduce your speed and apply the brakes gently and progressively.

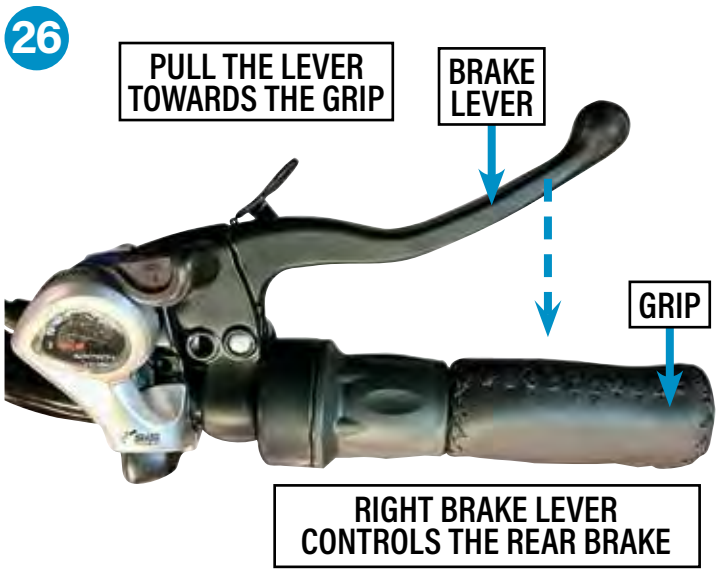
PRACTICE IS KEY

To ensure optimal safety and control while riding the electric Fat Trike, mastering the art of braking gradually and coming to a smooth stop is paramount. Applying excessive force or braking too abruptly can lead to wheel lockup, potentially causing the trike to slide, tip over, and lead to a loss of control, falls, and potential injuries.

The left brake lever controls the front disc brake (image 25), while the right brake lever (image 26) operates the rear disc brake. Instead of abruptly pulling the brake lever to achieve the desired braking force, it is recommended to apply pressure to both brake levers simultaneously, gradually increasing the force. If you feel the wheels starting to skid or lock up, gently ease the pressure on the brake levers to maintain wheel rotation, preventing locking.

When engaging both brakes, the trike initiates deceleration. However, your body's inertia may push forward, shifting weight towards the front of the trike and its front wheel. Avoid relying solely on the front disc brake, as this can potentially tip the trike forward. To reduce the risk of the trike flipping over, shift your body weight toward the rear.

For a deeper understanding of the Front Wheel's Components, please refer to page 15.



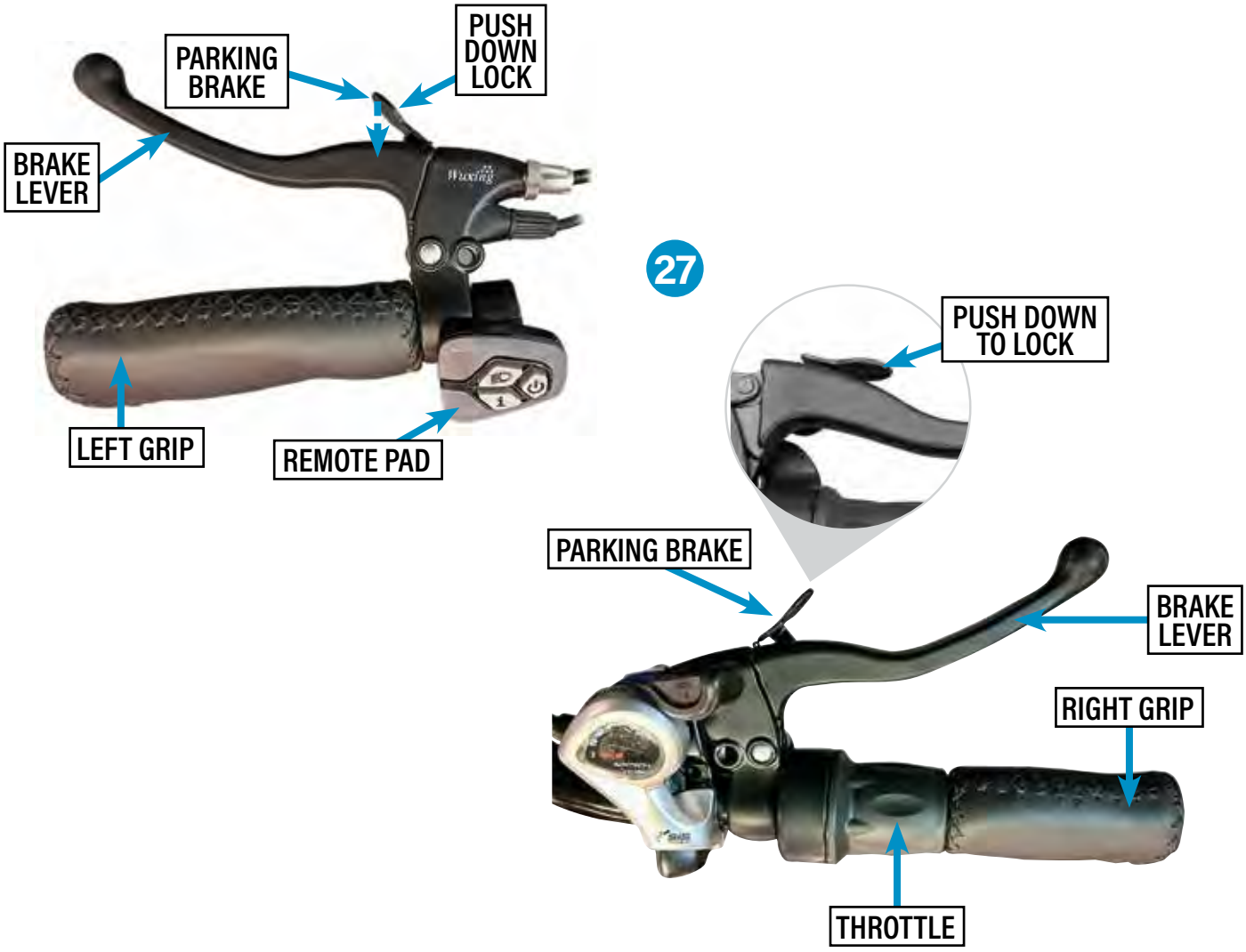
BRAKING OVERVIEW (CONTD.)

THE PARKING BRAKE OVERVIEW

The parking brake serves as a valuable feature for the electric Fat Trike, ensuring it remains stationary. This mechanism offers riders an easier and more stable method for mounting and dismounting the trike. Especially crucial when parked on an incline, the parking brake prevents the trike from rolling away. However, it's vital to note that you should employ the parking brake exclusively for stationary purposes and never while the trike is in motion.

HOW TO USE THE PARKING BRAKE

To apply the parking brake, ensure that your vehicle is completely stationary. While maintaining your grip on the brake lever, use your index finger or your other hand to press down on the parking brake lever, located just above the brake lever itself. This action securely locks the trike in place, as shown in image 27 below. When it's time to release the parking brake, simply pull the brake lever towards you, and the parking brake will return to its original, unlocked position.



FRONT SUSPENSION FORK

MOZO FRONT FORK

The electric Fat Trike boasts a front suspension fork. The Mozo fork offers 80mm of suspension travel, and you also have the flexibility to lock out this suspension. "Fork travel" denotes the span the suspension moves before becoming fully compressed. As the front suspension is telescopic, its travel corresponds to the wheel's movement. When you receive your electric Fat Trike, it will be set with the suspension in the open or unlocked position.

SUSPENSION LOCK OUT

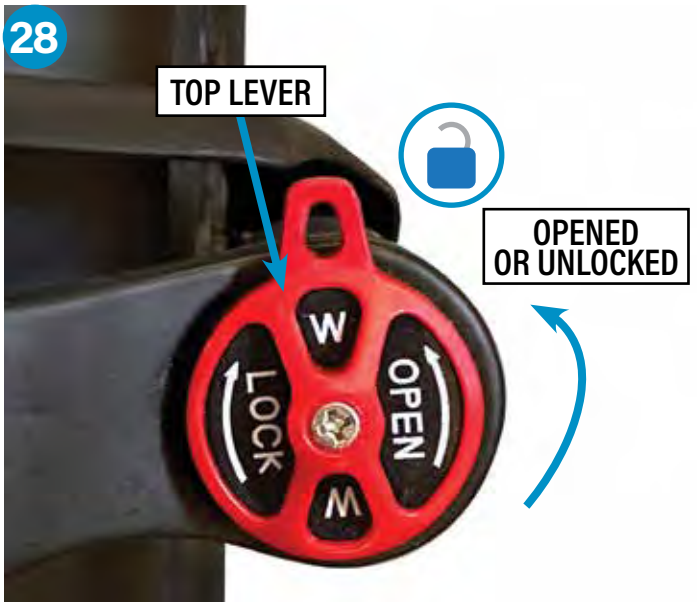
By locking out the front fork, you prevent any movement of the fork. This feature is particularly useful on smooth or paved terrains and during uphill rides as it reduces energy wastage.

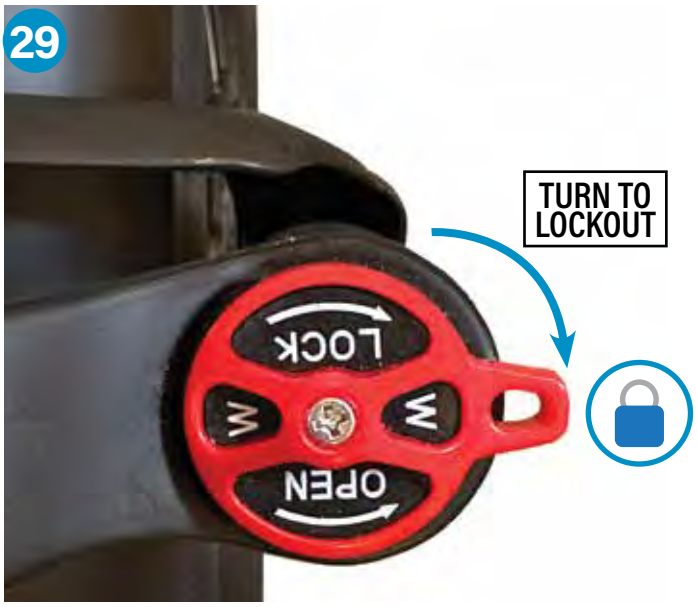
HOW TO LOCK OUT THE FORK

1) Position yourself over the electric Fat Trike.
2) On the top and right side of the fork, you'll find the top lever (image 28).
3) In image 28, the top lever stands at a 90° angle, indicating the suspension is unlocked.
4) Rotate the top lever clockwise (image 29) to lock the front fork.

HOW TO UNLOCK THE FORK

1) Straddle the electric Fat Trike.
2) Locate the top lever on the right and top side of the fork (image 29).
3) Turn the red (or blue)-knobbed top lever counterclockwise until it reaches a 90° angle.
4) With this adjustment, your fork is now open (or unlocked) and free to 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.

Ⓝ **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.

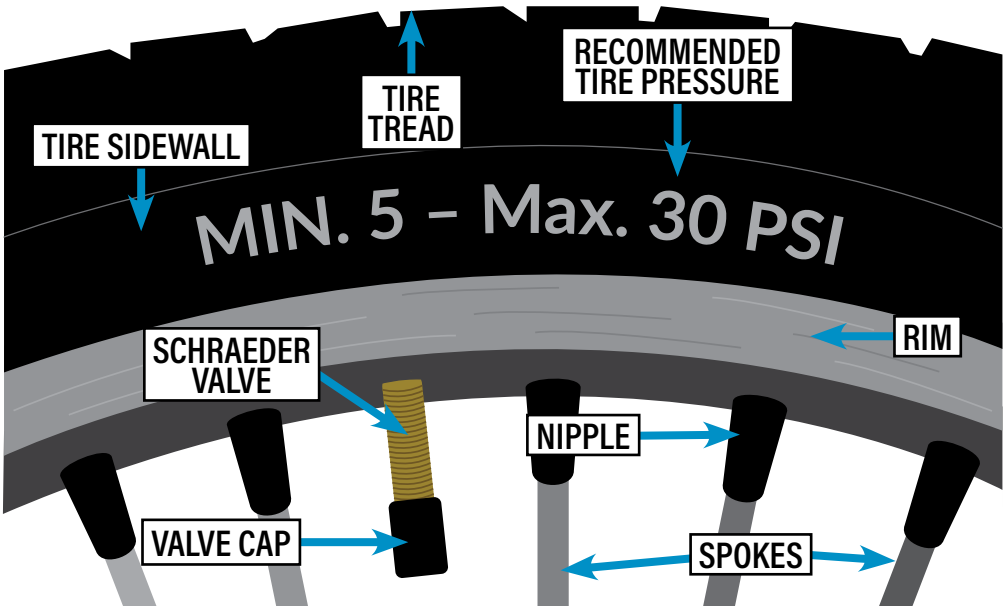
VARIANCE RANGE FOR INFLATION

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 AND DEFLATE A TIRE

The electric Fat Trike utilizes a Schrader valve similar to a car tire. To add air to the tube, begin by removing the valve cap and attaching the floor pump fitting securely to the valve stem. Conversely, to release air, simply remove the valve cap and depress the pin inside the valve stem using the end of a key. Remember to replace the valve cap after adjusting the air pressure as needed.



FAT TRIKE STORAGE

⚠ **WARNING!** Not adhering to the instructions and guidelines in this section could lead to damage to the electrical components of your electric Fat Trike, resulting in a voided warranty. More critically, ignoring these instructions could cause injuries or even be fatal.

Never leave a battery unattended! ***See pages 28 and 29 about Lithium-Ion Battery Safety.***

⚠ **CAUTION:** Use only the charging accessories provided with your electric Fat Trike or those directly 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, 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 45 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 Fat Trike to a 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.

- Examine the wires and cables for any signs of rust, corrosion, burning, or cracks. Should any of these issues be present, replace the affected parts immediately. Do not operate your electric Fat Trike until the necessary replacements are made.
- Evaluate the performance of your disc brake pads by noting any changes in braking efficiency. Are you experiencing diminished stopping power, requiring more time or greater distance to decelerate? Additionally, pay attention to any persistent noises such as screeching, grinding, or a metal-on-metal contact during braking. These symptoms often indicate that your brake pads are excessively worn and need replacement.
- Assess the tire pressure. Proper inflation will vary based on the rider's weight, terrain, and riding style, but try to maintain a PSI within the 12-30 range.
- Evaluate the battery's performance by checking if it's fully charged and retains power. If it fails to do so, please contact customer service at **1-800-375-0224** for further assistance.

Please refer to pages 46 & 47 for Detailed Guidance on Maintaining your electric Fat Trike. For additional information specifically on Tire Inflation, refer to page 37.

THE COLOR LCD OVERVIEW

⚠ **CAUTION:** Avoid using the 5v USB Port in damp or wet conditions to prevent liquid, mud, or dirt from entering. Always secure the USB Port cover after use. Refrain from leaving the electric Fat Trike outdoors for any duration, and ensure the LCD is covered to shield it from sunlight, heat, and moisture. Extended exposure to these elements can damage the display's liquid crystals.

Ⓝ **NOTE:** Your electric Fat Trike's LCD is pre-programmed upon arrival. There is no need for initial setup unless you prefer to modify the PAS settings. *For instructions on adjusting the PAS settings, refer to page 42.*

Remember to disconnect any devices from the USB port when not in use, as they can drain the battery over time.

LCD OVERVIEW	
1	Battery Levels
2	Speed: MPH or KPH
3	5v USB Plug
4	Odometer (ODO) Distance
5	Five Assist Levels:* 20%, 40%, 60%, 80%, and 100%
6	Light Sensor
7	Trip Distance

*ASSIST LEVELS	
LEVEL	POWER
1	20% of the power
2	40% of the power
3	50% of the power
4	70% of the power
5	100% of the power

REMOTE PAD CONTROLS**	
1	Settings and Assist Levels for PAS Controls
2	Back Light
3	Power On and Off
4	Selection(s)

***The remote pad buttons possess extended functionalities not outlined in this section. Please consult other parts of the manual for detailed information on these additional capabilities.*

OPERATING THE COLOR LCD

⚠ **CAUTION:** Avoid using the 5v USB Port in damp or wet conditions to prevent liquid, mud, or dirt from entering. Always secure the USB Port cover after use. Refrain from leaving the electric Fat Trike outdoors for any duration, and ensure the LCD is covered to shield it from sunlight, heat, and moisture. Extended exposure to these elements can damage the display's liquid crystals.

Ⓝ **NOTE:** This electric Fat Trike does not have a headlight. The ⊂≡ symbol is on the remote pad and it represents the luminance on the LCD. This sensor will sense, how much or little light is present and it will adjust the brightness of LCD display. You have the option to increase or decrease the brightness.

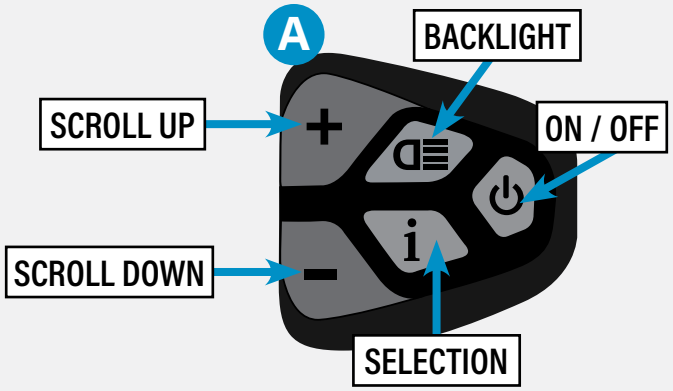
The LCD is backward compatible with models from 2017 or earlier and retains the same settings. This LCD model features memory that recalls your previous power level from your last ride.

TURNING THE LCD ON AND OFF

To power the LCD on or off, press and hold the ⏻ button (image A) on the remote pad for a few seconds. Ensure you turn off the system when the electric Fat Trike is not in use.

MANAGING THE BACK LIGHT

Briefly press ⊂≡ button on the remote pad (image A) to enhance the LCD's back light's brightness. Press it again to switch the back light off.



ACCESSING THE MENU

Simultaneously hold the "+" and "–" buttons on the remote pad for two seconds to open the user settings menu.

NAVIGATING THE LCD

Use the "+" button to navigate upward and the "–" button for downward navigation on the LCD screen.

SELECTING ON THE LCD

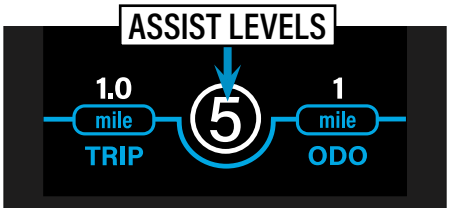
Use the "+" or "–" button and select your option. Press the "i" to make your selection and save.

MODIFYING THE SPEED LIMIT

The default speed setting is 26 mph. The maximum speed depends on the battery voltage, motor type, and wheel size. If you have this information and want to adjust the speed, use the "+" and "–" buttons to select the desired speed, and then press the "i" button to confirm your selection.

ADJUSTING THE ASSIST LEVELS

The system offers five power-assist levels: 1 (20%), 2 (40%), 3 (60%), 4 (80%), and 5 (100%). To raise the level (increasing speed), use the "+" button; to lower it, use the "–" button on the remote pad.



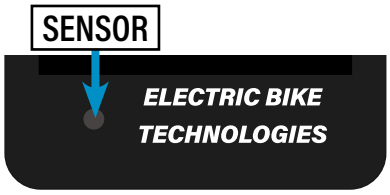
UTILIZING THE 5v USB PLUG

The LCD houses a 5v USB plug on the right side of the LCD. Pry the cover open with a fingernail to reveal the USB port, which can power or charge devices like smartphones or bike lights. Connect using a suitable cable (not provided). Disconnect any attached device when not in use to prevent unnecessary battery drainage.

OPERATING THE COLOR LCD (CONTD.)

ALTERING THE LCD LUMINANCE

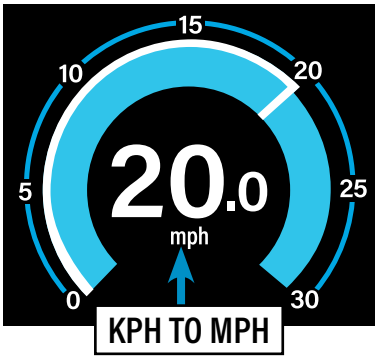
Luminance levels range from the brightest at 100% to the dimmest at 10%, with a default setting of 100%. Adjust the brightness by selecting the desired level with the "+" and "–" buttons, then press the "i" button to solidify your choice.



SWITCHING FROM KPH TO MPH

To access the user settings menu and switch from kilometers per hour (KPH) to miles per hour (MPH), follow these steps:

1) Hold the "+" and "–" buttons on the remote pad (image A) for two seconds to enter the settings menu.
2) Navigate through the menu using the "+" or "–" buttons and select 'Imperial US' (MPH). This option is recommended if you are in the United States.
3) After selecting 'Imperial US,' press the "i" button to confirm your choice.



RESETTING THE TRIP DISTANCE

To reset the Trip Distance, use the "+" and "–" buttons to choose between "yes" and "no," confirm with the "i" button.

UNDERSTANDING THE CURRENT LIMIT

The 20 Amp Controller is fixed and cannot be altered.

CUSTOMIZED DRIVE SETTINGS

You have three drive settings to choose from, with the default being P/T Override:

1) **P/T OVERRIDE** – Pedal Assist (P) is always active, and Throttle (T) can override it. If you're using pedal assist and then engage the throttle, the throttle takes priority.
2) **THROTTLE ONLY** – Deactivates Pedal Assist, allowing exclusive operation through the throttle.
3) **PAS ONLY** – Enables Pedal Assist function while disabling the throttle.

To select your preference, use the "+" and "–" buttons, and confirm your choice with the "i" button.

THE PAS SETTINGS

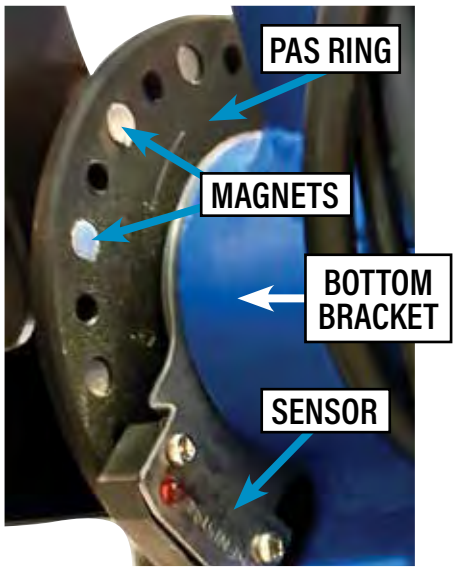
Ⓝ **NOTE:** The LCD comes PRE-PROGRAMMED for your electric Fat Trike. The following instructions are provided to enable customization of the PAS (Pedal Assist Sensor) settings to suit your preferences.

WHAT IS THE PAS?

PAS, or Pedal Assist Sensor, gauges the speed at which you pedal (cadence) and activates the motor accordingly. It works seamlessly with the throttle, allowing you to switch between the two as needed.

As you pedal, the PAS ring and sensor, located behind the electric Fat Trike's chain guard, sync with each pedal stroke. This signals the controller to modulate the motor's power, harmonizing with your pedaling for an optimized riding experience.

When you begin to pedal, the motor in the front wheel kicks in, providing a boost to ease the start and maintain your momentum. Increasing the PAS level makes the ride smoother with less effort. Conversely, lowering the PAS requires more manual pedaling, which helps conserve battery and extends the trike's range.



ADJUSTING PAS SETTINGS

You can customize your PAS (Pedal Assist System) experience with three settings: **PAS Delay**, **PAS Power**, and **PAS Sensitivity**.

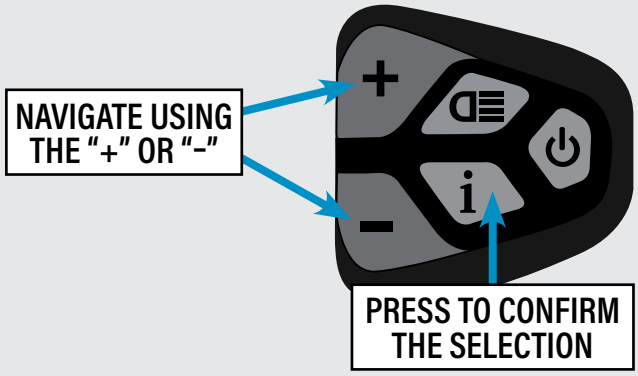
- **PAS DELAY** – controls how many magnets must pass the sensor before PAS activates, influencing the motor's response time when starting or resuming pedaling. The default value is three.
- **PAS POWER** – determines the required torque, with a default setting of five.
- **PAS SENSITIVITY** – acts as a comprehensive setting affecting how smoothly the bike reaches top speed. A higher value equals a smoother transition, with the default at twelve.

SAVING YOUR SETTINGS

To save your settings, follow these steps:

1) Press and hold the "i" button (image A) for three seconds to turn off the LCD screen.
2) Turn the LCD screen back on.

Please note that certain settings may not be saved or activated until you cycle the LCD's power off and then on again. This reboot process ensures that your changes are applied.



HOW TO CHANGE THE MENU SETTINGS

Simultaneously hold the "+" and "–" buttons on the remote pad for two seconds to open the user settings menu. Navigate through the options using the "+" and "–" arrows, and press the "i" button to confirm the selection.

ERROR CODES FOR THE COLOR LCD

When an error code appears, it may indicate that your electric Fat Trike isn't functioning properly. These error codes are displayed within the speedometer section of the LCD. Below, you will find a list of common error codes, along with explanations to assist in identifying and diagnosing the issue. If the error code displayed on your screen is not listed below, please reach out to our customer service, at **1-800-375-0224** for assistance.

For additional information on troubleshooting motor malfunctions, turn to page 44, where the section "Why Doesn't My Motor Run?" Provides more comprehensive guidance

ERROR CODE	DEFINITION	POSSIBLE CAUSES
01	**MOTOR CONNECTION OR HALL SENSOR ISSUE**	• Motor cable isn't plugged in all the way. • Damaged to the motor cable or the hall sensor.
02	**THROTTLE ISSUES**	• Throttle isn't plugged in all the way. • Bent pin on the connection to accessory cable. • Damage to the throttle or accessory cable(s).
03	**CONTROLLER ISSUES**	• Bent pin on connection to the accessory cable. • Problem with the controller.
04	**LOW VOLTAGE ISSUE**	• Battery voltage is too low. • Problem with the controller.
05	**PHASE ISSUE**	• Motor cable isn't plugged in all the way. • Damaged to the motor cable. • Problem with the phase wires.
06	**PAS ISSUE**	• Problem with the PAS sensor. • Bent pin on the PAS cable.
30	**COMMUNICATION ISSUE**	• Bent pin on the connection to the accessory cable. • Problem with the controller, or accessory cable or LCD.

TROUBLESHOOTING

⚠ **CAUTION:** Avoid direct contact between the red and black wires when examining the battery voltage. Creating a connection between them can produce sparks, potentially leading to electric shock, burns, or fire hazards.

Ⓝ **NOTE:** The subsequent instructions serve as a general reference. Individual circumstances may vary. If issues persist and the provided solutions prove ineffective, please contact customer service at **1-800-375-0224** for additional support.

WHY DOESN'T MY MOTOR RUN?

Before proceeding with advanced troubleshooting, initiate the process with the first step outlined below. After attempting each solution, test your trike to check if the issue has been resolved. If the problem persists, continue to the subsequent step.

1. CABLE CONNECTORS INSPECTION

- Detach each connector and scrutinize the pins (image 30) for any bending.
- Utilize a flashlight to aid in identifying any bent pins, which may be challenging to detect unassisted.
- If the connectors appear intact, cautiously re-establish the connections (image 31). Note that even a marginally bent pin can hinder the trike's functionality.

2. BATTERY EXAMINATION

- Confirm that the battery is powered on.
- Inspect both the battery and charger cords for any indications of wear or damage, such as cuts, abrasions, or deep marks.

3. E-BRAKE ANALYSIS

- Inspect the condition of the e-brakes, paying specific attention to the parking brake lever (image 32). A disengaged lever could result in motor failure.
- Optionally, disconnect the e-brake cables to determine if a defective switch is causing the motor to deactivate.

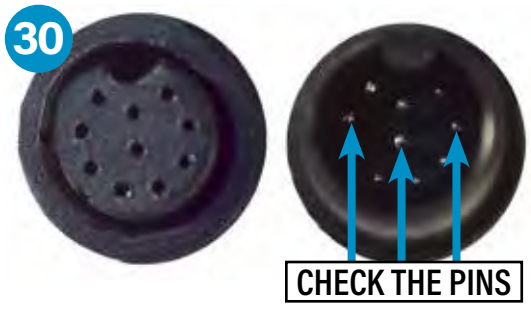
For further details on the Parking Brake, refer to page 35.

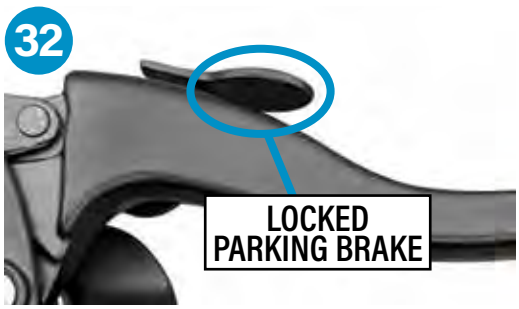
4. BATTERY VOLTAGE EVALUATION

- Measure the battery's voltage with a multimeter (image 33). A 48-volt battery should ideally register a minimum of 47 volts.

SAFETY PRECAUTION

Should you encounter any components that are frayed, sliced, abraded, or otherwise impaired, cease operation of the electric Fat Trike immediately. Contact customer service without delay at **1-800-375-0224**. It is crucial to secure replacements for any damaged parts prior to resuming use of the electric Fat Trike.





CLEANING & LUBRICATING THE FAT TRIKE

⚠ **CAUTION:** Prior to cleaning your electric Fat Trike, ensure you REMOVE THE BATTERY. Failure to do so could damage the electrical components and system. Refrain from directing water onto the trike's electrical parts, as this could lead to electrical issues resulting from water intrusion. Should you suspect any damage, cease using the electric Fat Trike immediately and contact customer service at **1-800-375-0224**.

We emphatically advise against the use of pressure washers, steam cleaners, or high-pressure hoses. These methods can push dirt, debris, or moisture into sensitive areas, and a forceful water stream might strip away protective grease, thereby jeopardizing the integrity of the bearings.

Ensure brake rotors and pads remain free from soap, oil, cleaning agents, or any foreign matter. Contaminants on these components can reduce their braking efficiency.

TECH TIP: Opt for disposable or nitrile gloves to prevent your hands from getting soiled or greasy.

Ⓝ **NOTE:** Many bicycle manufacturers now offer specialized e-bike cleaning solutions and chain lubricants. Consult with a bike shop or fellow e-bike or trike enthusiasts for their product recommendations.

CLEANING THE ELECTRIC FAT TRIKE

If your electric Fat Trike isn't excessively dirty, you can opt for "spot cleaning" by addressing only the visibly dirty areas. Be particularly mindful of the trike's electrical components when using water. Refrain from directly spraying water onto these parts as it could compromise the electrical system and its components. However, if you're using specific bike cleaning products that instruct direct spraying, always follow those guidelines. The steps outlined here offer a general approach to cleaning the electric Fat Trike.

1) Begin by removing the battery and store it safely, away from water.
2) Make a cleaning solution by mixing warm water and mild detergent, such as dish soap or bike cleaner, in a bucket.
3) Use a hose with a gentle spray setting for cleaning delicate areas, such as bearings, headset, and wheel hubs. Steer clear of electrical parts like the LCD and controller. While a light misting of water is acceptable, avoid drenching or directly targeting the electrical components.
4) Clean the frame, handlebars (being cautious around the LCD), underside of the seat, seatpost, fender, basket, rims, and tires with a soapy sponge. Then, using the hose on a gentle setting, rinse away any soapy residue.
5) Dry the electric Fat Trike with a soft, clean cloth, being careful not to touch the disc brakes with your hands to avoid contamination from oils or cleaning agents. Make sure the trike is completely dry.

LUBRICATING THE ELECTRIC FAT TRIKE CHAIN

1) Place newspapers beneath the chain area to catch any drips or spills.
2) Using a shop rag, lightly grip the chain with one hand while pedaling forward with the other. This action helps rid the chain of old oil, dirt, and grime. Continue this for several rotations.
3) Apply a line of dry chain lube along the chain and pedal for a few more rotations.
4) With a fresh shop rag, gently grip the chain to remove any excess lube, ensuring a well-lubricated but not overly greasy chain.

MAINTENANCE & SERVICE GUIDELINES

⚠ **WARNING!** Ensure that any issues highlighted in the maintenance section or elsewhere are promptly addressed. Do not use your electric Fat Trike if such problems persist. Neglecting or overlooking loose or damaged components can harm the trike and increase the risk of falls and injuries.

Do not inflate a tire beyond the maximum pressure (30 PSI) indicated on the tire's sidewall. Over inflation can cause the tire to burst off the rim, posing risks to the trike, rider, and others nearby. While the sidewall of the electric Fat Trike tires suggests a pressure range of 5-30 PSI, we urge you to avoid pressures in the 5-11 PSI range. Riding the electric Fat Trike at such low pressures can lead to control issues, increasing the risk of accidents and injuries.

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.

When conducting a "slow roll test" on the trike, wear your helmet and ensure the testing area is free of potential hazards or objects that could be damaged or cause injury.

Ⓝ **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.

Due to their sophisticated electronics and complex components, electric bikes and trikes demand rigorous maintenance for safe and optimal performance. To ensure safety and performance, follow these guidelines below.

ROUTINE CHECKS (BEFORE EACH RIDE OR WEEKLY)

- Ensure all quick-release levers are secure and tightly fastened.
- Examine the wheels to confirm there is no side-to-side movement.
- Test the spokes by squeezing pairs together. They should feel solid, but they should also give a bit. If there's excessive play, seek professional assistance.
- Verify tire pressure is within the recommended 20–30 PSI range, adjusting as necessary based on the rider's weight, terrain, and personal preferences.
- To assess brake functionality, either lift the wheel and test the e-brake's power cut-off feature or perform a slow roll test, checking if applying the front brake interrupts power as intended. If the brakes fail these tests, it's imperative to contact customer service at **1-800-375-0224** for assistance.
- Inspect all cables and wire connections for signs of corrosion, damage, or burning. If any warning signs are present, refrain from using or charging the trike and seek professional assistance.
- Check the battery charge level and ensure all connections are secure.

Refer to page 37, for detailed tire inflation instructions.

ADDITIONAL WEEKLY CHECKS

- Examine the chain for excessive grime or debris.
- Confirm brake rotors are aligned and not rubbing against the brake pads.
- Test the braking power, ensuring the trike stops within a reasonable time. Execute several starts and stops, gradually increasing pressure to optimize the brake pads' effectiveness.

To learn how to clean and lubricate the chain, turn to page 45 for instructions.

MAINTENANCE & SERVICE GUIDELINES (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 operate the electric Fat Trike if you notice any signs of corrosion, rust, or if the cables or wire connections appear burnt. For further assistance, please contact customer service at **1-800-375-0224**.

Ⓝ **NOTE:** The lifespan of brake pads varies based on several factors, including the frequency of rides, terrain type, weather conditions, and the rider's weight. All these factors influence their durability.

POST-RIDE ROUTINE

- Power off the electric Fat Trike using the ⏻ button on the remote pad.
- Inspect the frame, wheels, and tires for any damage.
- Charge the battery after each use to maintain its longevity.
- Clean the electric Fat Trike to remove any accumulated mud, dirt, or dust, focusing particularly on areas with noticeable buildup.

QUARTERLY MAINTENANCE (EVERY THREE MONTHS)

- Carefully inspect the frame and fork, looking for any evidence of cracks, dents, or signs of structural fatigue that could compromise the bike's safety and performance.
- Review the stability and alignment of crucial components such as the seatpost, handlebar, and brakes.
- Check the torque arm bolts for tightness.
- Look over all wiring for any damage or signs of wear, contacting customer service for any irregularities.
- Verify that all bolts are tightly fastened and secure, taking into account that vibrations over time can cause them to loosen.

Refer to page 48, for Torque Recommendations.

BIANNUAL MAINTENANCE (EVERY SIX MONTHS)

- Inspect the bearings in various components including the headset, rear axle, pedals, and bottom bracket. These crucial points may periodically need repacking, lubrication, or even replacement.

Don't forget, your trike's manual has step-by-step maintenance guides. For example, ***see pages 28 and 29 for Lithium-Ion Battery Safety,*** or ***page 45 for chain care***. Following these regular upkeep tips will help your trike work better and last longer.

WATCH OUR VIDEO ON **LITHIUM-ION BATTERY SAFETY GUIDELINES**

Click or copy this link: https://youtu.be/xdMwU8cnROQ?feature=shared

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 MERE RECOMMENDATIONS

Ensuring the correct tightening torque of threaded fasteners is crucial for safety. Always adhere to the specified torque settings, which are derived from factory tests, recognized industry standards, and manufacturer guidelines.

These guidelines are intended to assist skilled and trained mechanics during the assembly, adjustment, or repair of an electric Fat Trike. Always exercise your best judgment. The provided figures come without warranty and may be updated without prior notice. Torque measurements are provided in Ft-Lbs or Nm for compatibility with commonly used tools. Make any necessary unit conversions independently.

It is imperative to use a calibrated torque wrench when securing critical fasteners on your electric Fat Trike. Ensure you meticulously follow the torque wrench manufacturer's instructions to guarantee precise outcomes.

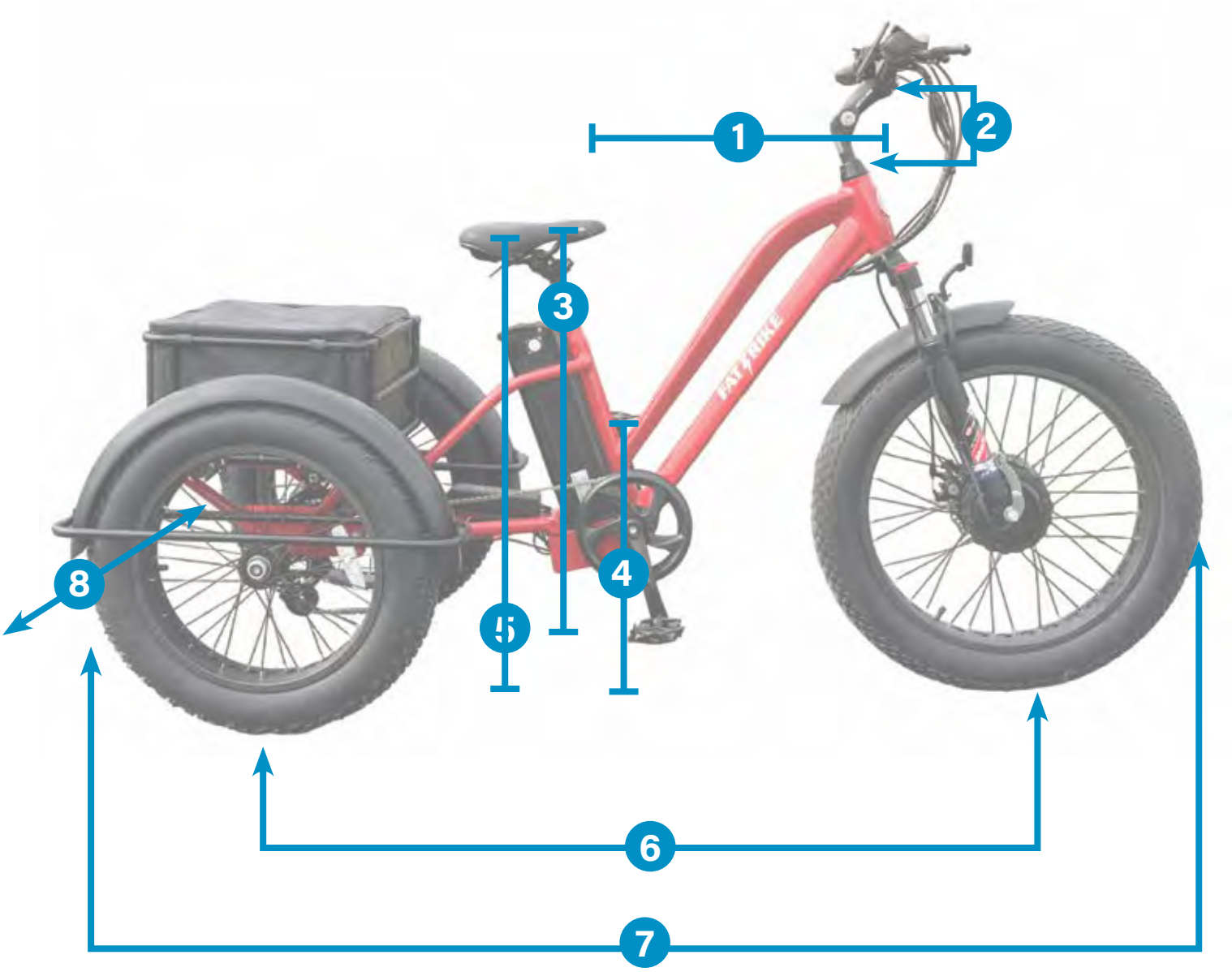
COMPONENTS	TORQUE
Front Wheel Nuts	22–27 Nm | 16.2–19.8 Ft-Lbs
Rear Wheel Nuts	24–29 Nm | 17.5–21.3 Ft-Lbs
Saddle Rail to Seatpost	12–17 Nm | 8.8–12.5 Ft-Lbs
Seatpost Clamping Nut	15–19 Nm | 11.0–14.0 Ft-Lbs
Handlebar Clamping Nut	17–19 Nm | 12.5–14.0 Ft-Lbs
Headset Expansion Nut	17–19 Nm | 12.5–14.0 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

Ⓝ **NOTE:** The seat height was gauged from the minimum insertion mark on the seatpost down to its lowest achievable position.

1	Handlebar Reach: 24"–27"
2	Handlebar Rise: 8"–10"
3	Seat to Pedal Height: 28"–33"
4	Standover Height: 24.5"
5	Seat to Ground Height: 34"–40"
6	Wheelbase: 49"
7	Total Length: 78"
8	Total Width: 31"

Rear Basket Dimensions: 17.5" x 14.5" x 8"
Suitable Rider Height: 5' to 6'4"
Clearance at Rear Derailleur: Approx. 4"
Turning Radius: Approx. 10'9"
Total Weight: 88 lbs



ELECTRIC FAT TRIKE SPECS

INTENDED USE	Mobility, Neighborhood, Cruising, Paved Trail, Sand, and Rural
COLOR	Red, Blue, Sliver, 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 lbs including 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	Front: Mozo MTB Ride Fork Spring Suspension with 80mm Travel | Rear: N/A
WHEELS	Front: 24" Alloy | Rear: 20" with 36 Hole, Stainless Steel, 13g Black Spokes and Nipples
TIRES	Front: Kenda Gigas 24" x 4" | Rear: Kenda Krusade 20" x 4", Schraeder Valve Tube, 20–30 PSI
SADDLE	Velo Flurry VL-6105
SEATPOST	ProMax Suspension Seatpost with 40mm Travel, 36.3mm Length x 27.2mm Diameter with a Quick-Release Lever
STEM	ProMax, Alloy 90mm Length x 31.8mm Diameter 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 Diameter
BRAKES	Front: Tektro Aries Mechanical Disc with 180mm Rotor | Rear: with 160mm Rotor
BRAKE LEVERS	Two Brake Levers with an E-Brake Shut-Off, Parking Brake Lock, and Integrated Bell
GRIPS	Faux Black Leather Ergo Grips
DISPLAY	Color LCD
SHIFTER	Shimano SIS Index
DERAILLEUR	Shimano Altus
CRANKSET	Prowheel Alloy, 170mm Length and 48 Tooth 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	Rear: Black Heavy-Duty Aluminum Basket, 17.5" Length x 14.5" Width x 8" High with 33-Liter DryBag
FENDER	Black Front and Rear Fenders
LIGHTS	Rear: Three LED Frame Mounted Lights, Under the Basket (Requires Two AA Batteries)
WEIGHT	88 lbs

PARTS: 48v 11.6Ah Lithium-Ion Battery, and Charger Li-Ion 48v 2A XLR Charger

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 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.