

TRIKKE

BIKKE

**ELECTRIC SCOOTER
OWNER'S MANUAL**



For more information visit us at www.trikke.com

Congratulations!

You have purchased the first of its kind Bikke Ultra Light Electric Scooter by Trikke. This unique new vehicle combines a remarkably compact all aluminum frame with a drive train that utilizes the most recent advances in battery and electric motor technologies. Feather-weight Lithium Ion batteries (developed for cell phones) combined with a new flat motor technology create an all new light-weight vehicle that is less than half the weight of the lightest of the electric scooters or bicycles.

The Bikke is fascinating to watch because it appears to have absolutely no driving mechanism. However, the Bikke can travel at speeds of 10 to 12 mph for up to one hour giving a rider of average weight (150 lbs.) a range of nearly 12 miles on flat ground.

Enjoy one of the most remarkable little electric vehicles to hit the streets!



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WARNING

PLEASE READ BEFORE OPERATING THE BIKKE. MAKE SURE TO READ AND UNDERSTAND THE OWNER'S MANUAL. PAY SPECIAL ATTENTION TO ALL SAFETY SECTIONS AND WARNINGS IN MANUAL.

- The recommended minimum age for the use of the Bikke is 16 years of age.
- ALWAYS wear an approved safety helmet and other appropriate safety gear while riding.
- DO NOT ride the Bikke on wet surfaces or in the rain. Riding in wet conditions may damage the electrical components.
- DO NOT ride at night, or in low visibility conditions.
- Take great care when riding in traffic or in the proximity of motor vehicles.
- DO NOT stunt ride. Do not stand on the foot pegs. Do not lean back or try to “pop wheelies.” Do not go off jumps (not even curbs). Ride cautiously at all times.
- DO NOT carry passengers.
- ALWAYS wear proper footwear and keep hands, feet, hair and shoelaces away from all moving parts.
- Rider weight should not exceed 200 lbs (91 kgs).
- Inspect your Bikke thoroughly for loose or missing parts before riding.
- DO NOT press the ACCELERATOR BUTTON when not riding.
- DO NOT place your BIKKE near fire or heat sources. Heat may cause the batteries to explode.
- It is best to ride the Bikke in the low-speed gear in order to extend the battery's life. Try not to ride in the high gear for long periods of time.

Important Notes about Vehicle Codes and Insurance:

YOUR HOME OWNER'S OR AUTOMOBILE INSURANCE POLICIES MAY NOT PROVIDE ACCIDENT COVERAGE INVOLVING THE USE OF THIS VEHICLE. PLEASE CHECK WITH YOUR INSURANCE COMPANY OR AGENT TO VERIFY YOUR COVERAGE.

Whether or not the Bikke is considered a "motor vehicle device" may vary from state to state. Helmet laws, driver license requirements, rider age restrictions, insurance coverage, and vehicle registration requirements should be acquired by the Bikke owner prior to riding on public roads or in public areas. Please check with the local authorities or Department of Motor Vehicles to determine whether or not the Bikke needs to be registered as a motor vehicle. Most states post Electric Scooter related codes and legislation on the World Wide Web.

Repair and Service:

If you have any technical issues with your Bikke, please contact the dealer you purchased it from or go to our website www.trikke.com to seek any advice or information for trouble shooting. Please refer to your warranty for important information about manufacturer defects and your responsibilities regarding warranty repairs.

Do not attempt to service the battery, control system or motor yourself. Doing so will void the warranty, can damage the components, and can cause serious injury by electric shock.

WARNING and INSTRUCTION LABELS

Please heed the warnings and instructions labels posted on the Bikke.

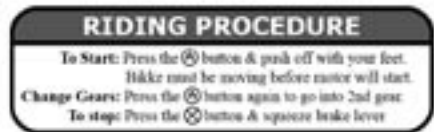
Handlebar removal Instructions



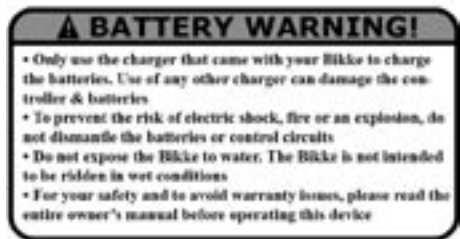
Operating Warning Label



Driving Procedure



Battery Charging Warning Label



COMPONENT DESCRIPTION



Before operating your BIKKE, please get to know all of the components and their features:

- | | |
|---------------------------------------|--------------------------|
| 1. Accelerator (Ⓐ) & Stop Buttons (⊗) | 10. Main Frame Tube |
| 2. Driving Instruction Label | 11. Seat Post |
| 3. Front Brake Handle | 12. Seat Quick Release |
| 4. Handle Bar Post | 13. Charge Warning Label |
| 5. Assembly Instruction Label | 14. Charging Socket |
| 6. Handlebar Quick Release Lever | 15. Electric Motor |
| 7. Tire Fill Stem | 16. Kick Stand |
| 8. Operating Warning Label | 17. Battery Charger |
| 9. Foot Pegs | |

BIKKE ASSEMBLY

Kick Stand Attachment

Attaching the kick stand requires a crescent wrench or 15mm combination wrench to remove the nut from the left rear wheel axle. Completely remove the nut. The holding washer requires an indentation as a guide pin for the kick stand mount. If your holding washer has an indentation, leave it on and proceed with the attachment. If not, a separate washer has been inserted into your box.

Slide the kick stand assembly onto the axle so that the guide notch in the washer aligns with the pin on the back side of the kick stand. Replace the nut and firmly tighten. Tighten firmly but do not tighten so much that it causes the bearings to bind. Both wheels should spin freely.

Move the kick stand leg into the open position and check to make sure that the BIKKE can stand freely. If it does not, make sure that the kick stand assembly was properly installed.



Handlebar Attachment

Before you can attach the handlebars it is vitally important that you connect the throttle control cable. On the bottom end of the handlebar tube you will find what looks like a telephone jack. Inside the steering tube on the BIKKE where the handlebar inserts into the quick release lever, you will find what looks like a coiled phone cord. Pull the cord out and attach it to the jack at the base of the handlebar tube.



Next, make sure that the front wheel is turned into its forward facing position with the brake assembly facing forward. Check that the coiled control cable under the frame is not wrapped around the steering tube.

Fully insert the handle bar unit using the guide pin on the back side of the handlebar tube to insure that the bars are properly aligned with the front wheel.

Once you have properly attached and inserted the handlebars, use the quick release lever (item 6 on page 7) to secure the bars in their locked riding position. If the quick release mechanism feels too loose, use the two finger nut adjustment screws to tighten the release mechanism. It should require a firm hand to completely close the mechanism.



Seat & Post Assembly

1. The seat comes disattached to the seat post. Use the 6mm hex wrench supplied in the box to loosen the single hex bolt on the seat post.

2. You will loosen the bolt (1) far enough so that the holding plate (2A) can swivel 90 degrees (2B).

3. With the seat upside down, drop the post onto the seat mounting bars (3A). The bottom plate will go down between the two mounting bars. Rotate the plate back 90 degrees (3B) and use the hex wrench to tighten the bolt. Before firmly tightening the hex bolt, leave enough slack to allow you to adjust the seat position after you mount it on the Bikke.

4. Insert the seat post into the frame. There is a spring loaded brass pin (4A) that secures the seat in three preset riding heights. The pin will face the front of the BIKKE. Once you have inserted the post to one of the preset positions, secure it with the quick release lever (4B). If the lever seems too loose when closed, use the adjustment finger nut on the quick release lever to increase the tension. When properly set the lever requires a firm hand to close.

5. The seat should look like the photo to the right when properly assembled and attached.



Inflating the Tires

The tires on the Bikke have a maximum inflation pressure of 80 PSI. Please note that these tires have been especially modified from their original maximum pressure of 40 PSI. The blue Trikke stamp on the tire indicates that the tire is capable of pressures up to 80 PSI, though the original manufacturers marking indicates 40 PSI. We recommend a higher tire pressure for the rear tire as most of your body weight is over the rear wheel. The front tire pressure can be reduced. Please note that higher pressures will increase your speed, range, and acceleration. Adjust pressures to suit your weight and ride preference.

Use a bicycle hand pump or foot pump with a gauge to inflate the tires.

1. Remove the caps from the tube stems
2. Please use a standard bicycle air pump to fill to these specific pressures:
 - Inflate the front tire to 50 PSI
 - Inflate the rear tire to 75 PSI
 - Put back the caps



Do not use the BIKKE when the tire pressure is low. It will dramatically reduce the performance of the motor, riding speed, battery life, and possibly harm damage the drive train.

Attention! Only use Trikke 80PSI tires when replacing the tires on your Bikke. Replacement tires and tubes can be purchased at www.trikke.com

Charge the Battery

You must follow the battery charging instructions to avoid damage to the electronic components.

1. Locate the AC Charger's power plug and plug it into a (120 or 220 volt) wall outlet.

2. Please locate the Charging Plug on the left side of the BIKKE at the rear end of the main tube. Insert the small round connector from the charging unit into the plug on the BIKKE frame (item 13 on page 7). When you see the red light illuminate on the charger unit your BIKKE is now in charging mode.



3. When the charger's LED light turns from red to Green, the unit is fully charged. Please remove the charger.

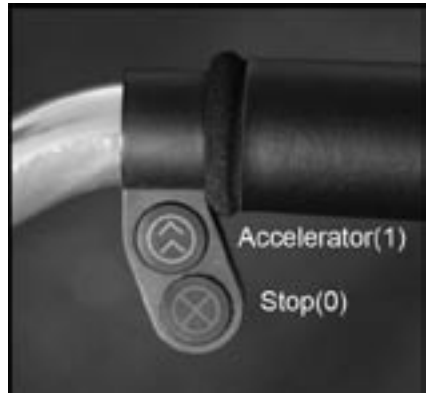
Attention: Normal charging takes approximately 3-6 hours. Do not leave the BIKKE on a charge for more than 8 hours.



Read additional information about the battery and charging system on page 16.

HOW TO RIDE

1. Make sure that all the clamps and connective parts are secure.
2. Adjust the seat post to a suitable height.
3. The BIKKE requires that you ride with both hands holding the handlebars at all times.
4. Underneath the right handgrip on the handlebars there are two buttons: a green Accelerator(1) button and a red Stop(0) button.



To start the motor, you must press and hold the Accelerator(1) button while **giving the BIKKE a push with your foot**. *Please note that the BIKKE will not engage the motor from a dead stop.* As a safety measure to prevent children from accidentally engaging the motor, the BIKKE has to be rolling at 2 mph before the motor will start. When you want to shift to second gear, release and then press the Accelerator(1) again. Because this throttle design cycles back and forth between first and second gear, repeat these steps until you are familiar with this operation.

5. Control your speed by pressing and releasing the Accelerator(1) button.
6. The BIKKE uses an active electromagnetic braking system as well as a traditional hand brake. To slow down or to stop the bike, just press the stop(0) button while simultaneously squeezing the traditional bicycle hand brake.



Get used to your braking system by practicing in a smooth, dry open area. Braking distance and function will be affected by wet conditions or uneven riding surface.

7. If you sense that the BIKKE is sluggish, it may be running out of power. It is best for the motor and the battery that you discontinue riding and set the BIKKE on recharge.

FOLDING and STORAGE

1. Open the handle bar Quick Release lever and pull the handle bar post out of the frame.



Attention: Please be careful when you pull out the handle bar to insure that you do not over extend the control cable.

2. Carefully remove the control cable.



3. Release the seat post Quick Release Lever, press the copper button, then push the seat post down to its lowest position. For even tighter storage, pull the seat completely off the BIKKE.

4. Set down the Handle bar unit, one side against the rear of the Bikke as shown in the photo to the right. You can use velcro straps or bungy cords to better secure the handlebars to the frame of the Bikke.



Please store your BIKKE in a dry, cool location. For transportation or for extended storage times, please keep the battery power at a 20% level. (Approx. one hour charge time for a fully discharged battery)

BATTERY and CHARGING SYSTEM

Battery:

The BIKKE uses a specific Li-Ion battery. Do not attempt to replace with other types of batteries. If you need to purchase or replace the battery, please contact the local dealer or www.trikke.com for this service.

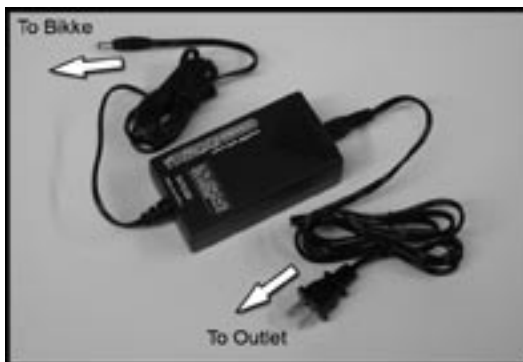
Do not leave the BIKKE in a location where the batteries can get hot i.e. intense direct sun or a heat source like a water heater or floor heater unit. Lithium Ion batteries can explode if they are artificially overheated.

Recycling the Battery:

Under the U.S. Batteries Ordinance, the disposal of batteries is subject to local regulations. The consumer is obligated to return all used batteries to a public waste disposal service.

Charging System

BIKKE uses a specific Lithium-Ion battery charger. It will automatically adjust the current (120v US or 220 Europe) to avoid any damage to batteries. Do not use another battery charger or serious damage can occur to the batteries and control system. Make sure your hands are dry before plugging in the charger's DC connector to the BIKKE as well as when plugging the charger's AC side to the wall outlet. To keep it safe, please leave the charger in a dry, uncovered, well-ventilated area while charging. Always remove the AC plug from the outlet first and then from the BIKKE.



Battery Danger

The battery inside BIKKE may accumulate heat, burn, explode, or cause electric shock when improperly treated i.e. unauthorized dismantling, being thrown into fire or water, short circuit due to metal or moisture. Please stop using the battery pack right away if you sense a battery leak or odor.

Battery Warnings

1. To be safe, please do not use a charger other than the one that comes with the BIKKE to avoid abnormal heat or risk of fire. An adult should supervise battery charging.

2. Before Charging, read the instructions.

3. Concerning the charger: for indoor use. Do not expose to rain or moisture.

4. Disconnect the supply before making or breaking the connections to the battery.

5. Warning: Explosive gases – Prevent flames and sparks – Provide adequate ventilation during charging.

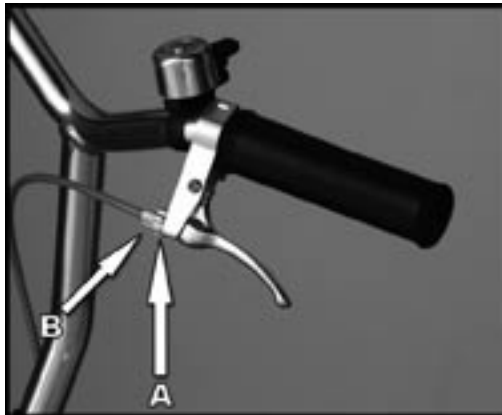
To avoid any risk of danger, do not try to dismantle the charger, battery, or control components inside the BIKKE.

BRAKE SYSTEM ADJUSTMENT

Front Brake Tension Adjustment:

As soon as you feel that the front brake is losing its effectiveness, please adjust the brake cable as follows:

1. Turn the adjustment finger screw **B** outward to extend the brake cable housing. The result is that the brake pads are pulled closer to the wheel which increases stopping power.
2. Turn the lock nut **A** in order to prevent **B** from backing out.
3. If you unscrew **B** to the end of its threading you will have to do the cable tension adjustment at the wheel or replace the brake pads as soon as possible. This operation is best done by a qualified bicycle technician.



TROUBLE SHOOTING

Types of Trouble	Possible Cause	Solution
Unable to Start	Dead battery	Recharge battery
	Motor will not start running	Bikke will not engage motor unless you first push with your feet to get up to 2mph while pressing the (1) accellerator button
Brakes fail	Front Wheel brake cables are not tight enough	Follow instructions on P. 17 to adjust the front brake. If that fails, have an authorized bicycle repair shop adjust the brake for you.
Unable to Charge	Ambient Temp is over 113 degrees F (45 degree C).	Charge in a place where the temp is well below 113 degrees F.
	Plug is not plugged in	Plug firmly into an outlet that you know is live
	Charge Protecting circuit activated	Unplug from the AC outlet, see red light, and plug in again.
	Long storage time, Battery runs out of Power completely.	Recharge for 5 hours. Unplug from AC outlet, see red light, and plug in again.
Flat Tire	Air Leakage	Inflate, have tube repaired, or replace with Trikke tube
	Punctured Tire	Repair by authorized dealer or replace with authentic Trikke 80PSI tire and tube

BIKKE SPECIFICATION

- 1. Motor Power: 120 Watts**
- 2. Dimension 43x16x35 inches (1100×405×900 mm)**
- 3. Maximum speed 11mph (18 Km/h)**
- 4. Frame material Aluminum**
- 5. Battery Li-ion 18 Volt, 6 Ah**
- 6. Weight 16 lbs. (7 kg)**
- 7. Maximum loading 200 lbs. (91 kg)**
- 8. Transmission 2 steps electrical transmission.**
- 9. Trig: Electro-magnetism trig.**
- 10. Wheel Size 12 inch (305mm)**
- 11. Distance travel per charge 9 miles (15 km)**



BIKKE 90 Day Limited Warranty

Name		Purchase Date	
Dealer		Phone	
Your Address			

BIKKE 90 Day Limited Warranty

Subject to the following limitations, terms and conditions, Trikke Tech, Inc. ("Company") warrants to the original owner of each new Bikke Electric Scooter ("Vehicle") that the Vehicle when new is free of defective materials and workmanship. This warranty shall expire ninety (90) days from the date of the original purchase from Company or an authorized dealer or representative and is conditioned upon the Vehicle being operated under normal conditions and use, and properly maintained. This warranty is void if the Vehicle was not purchased new or not properly assembled. Make sure to send in your Owner Registration Card to Trikke Tech by mail or log on to www.trikke.com/registration and register online.

If the Vehicle frame should break or the drive train fail due to faulty materials or workmanship during the warranty period, the Vehicle will be replaced subject to the Conditions of Warranty below. If any part of the Vehicle fails to function properly due to faulty materials or workmanship during the warranty period, such part will be repaired or replaced, at Company's discretion, subject to the Conditions of Warranty below.

Conditions of Warranty

This Limited Warranty is made only to the original owner of the new Vehicle purchased from Company or an authorized dealer or representative, and it shall remain in force only as long as the original owner retains ownership of the Vehicle. This Limited Warranty is not transferable.

In order to exercise your rights under this limited warranty, the warranty claim must be presented during the warranty period to Company or one of its authorized representatives, together with a receipt, bill of sale or other appropriate written proof of purchase. The original owner shall pay all delivery or shipping charges connected with delivery or shipment of the defective frame or part to Company or its authorized dealer. Under no circumstances does this limited warranty include the cost of travel, delivery or shipment to Company or its authorized dealer. Such costs, if any, shall be borne by the original owner. Company shall pay the shipping costs associated with shipment of a replacement Vehicle and/or the shipment of a replacement or repaired part to the original owner. The original owner shall be responsible for any re-assembly of the Vehicle required in connection with any replacement or repair.

It is the responsibility of the original owner to ensure that all parts included in the factory-sealed carton are properly installed and that all functional parts are adjusted properly. It is also the responsibility of the original owner to perform or provide all reasonable and necessary maintenance and adjustments to keep the Vehicle in good working condition.

This limited warranty does not apply to normal wear and tear, nor to claimed defects, malfunctions or failures that result from abuse, neglect, shipping damage, damage caused accidentally or deliberately, exceeding weight limits, improper assembly, improper maintenance, alteration, collision, crash or misuse or improper use. The Vehicle has not been designed, engineered, distributed, manufactured, or retailed for uses in trick riding, ramp riding, jumping, aggressive riding, riding on severe terrain, riding in severe climates, riding with heavy loads, commercial activities, use with motors, or any similar activities; such uses may damage the Vehicle, can cause serious injury to the rider, and in all cases will void this warranty.

The user assumes all risk of personal injuries relating to use of the Vehicle, damage to or failure of the Vehicle and any such injury, damage or loss if the Vehicle is altered in any way or if it is used for stunt-riding, ramp jumping, or similar activities.

Useful Product Life Cycle

Every Bikke Electric Scooter has a useful product life cycle. The length of that useful product life cycle will vary with the maintenance and care received over its useful product life, and the type and amount of use the Trikke cambering vehicle is subject to. The Bikke Electric Scooter should be checked periodically for indicators of stress and any other indicators of potential problems. These are important safety checks and very important to help prevent accidents, bodily injury to the rider and shortened useful product life cycle of the Vehicle.

THIS IS AN INTEGRATED AND FINAL STATEMENT OF TRIKKE'S LIMITED WARRANTY. COMPANY DOES NOT AUTHORIZE OR ALLOW FOR ANYONE, INCLUDING ITS AUTHORIZED DEALERS OR REPRESENTATIVES, TO EXTEND ANY OTHER WARRANTIES, EXPRESS OR IMPLIED. NO OTHER REPRESENTATION AND NO STATEMENT OF ANYONE BUT THE COMPANY, INCLUDING A DEMONSTRATION OF ANY KIND BY ANYONE, SHALL CREATE ANY WARRANTY REGARDING THE BIKKE ELECTRIC SCOOTER. ALL OF THE REMEDIES AVAILABLE TO THE ORIGINAL OWNER ARE STATED HEREIN.

IT IS AGREED THAT TRIKKE TECH, INC.'S LIABILITY UNDER THIS LIMITED WARRANTY SHALL BE NO GREATER THAN THE AMOUNT OF THE ORIGINAL PURCHASE PRICE AND IN NO EVENT SHALL TRIKKE TECH, INC. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

DISCLAIMER

All other remedies, obligations, liabilities, rights, warranties, express or implied, arising from law or otherwise, including but not limited to, any claimed implied warranty of merchantability, any claimed implied warranty arising from course of performance, course of dealing or usage of trade, and any claimed implied warranty of fitness, are disclaimed by Company and waived by the original owner.

Some states, jurisdictions, countries, do not allow some or all of the limitations set for herein, or the exclusion or limitation of incidental or consequential damages. If any provision is found unenforceable, only that provision shall be stricken and all others shall apply. This limited warranty does provide the original owner with certain legal rights and recourse and the original owner may possess other rights or recourse, depending on the state, jurisdiction, country or province.

BE SAFE!

**ALWAYS WEAR A HELMET
&
OBEY ALL LOCAL LAWS**

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