

LOOKROAD®

E-BIKE USER MANUAL



ATTENTION

Please read this manual carefully before using the Lookroad electric bicycle. If you do not understand this manual, or if you do not solve the issues covered in this manual, please contact the seller.

WELCOME TO LOOKROAD

THANK YOU FOR CHOOSING LOOKROAD E-BIKES

Welcome to your Lookroad E-bike you are entering a new world of ease, luxury, and mobility. Whether you're looking for an environmentally friendly alternative to your regular gas-powered vehicle, a fun way to avoid traffic congestion, or simply want to spend more time outdoors, we hope you enjoy your new E-bike. In a life full of headwinds and tailwinds, it is our honor to be wind at your back.

If you have any questions or comments please don't hesitate to contact us:

Email: **lookroadvip@126.com**

Thank you for your attention and purchase!

BIKE IDENTIFICATION NUMBER / SERIAL NUMBER

FOR YOUR RECORDS

For future reference , please fill in the important information below . Your serial number can be found on the inward-facing surface of the frame seat stay or on head top tube.

Please retain your sales receipt for any possible warranty or loss claims.

MY LOOKROAD SERIAL NUMBER :



FOR YOUR RECORDS

MY LOOKROAD E-BIKE

Name

Address

Purchase
Date

Purchase
Channel



**LOOKROAD
WEBSITE**

Model

Color

Serial #

LOOKROAD E-BIKES

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01 ABOUT THIS MANUAL

This manual was written to help you get the most performance, comfort, enjoyment, and safety when riding your new Lookroad E-bike. The manual describes specific care and maintenance procedures that help protect your warranty and ensure years of trouble-free use. Please pay particular attention to the section on battery charging and maintenance.

It is important for you to understand your new Lookroad

E-bike, its features, and its operation, so you get maximum enjoyment with maximum safety. By reading this manual before you go out on your first ride, you'll know how to get the most from your new Lookroad E-Bike.

It is also important that your first ride on a new Lookroad E-Bike is taken in a controlled environment, away from cars, obstacles, and other cyclists.

02 IMPORTANT SAFETY INFORMATION

Cycling can be a hazardous activity even under the best of circumstances . Proper maintenance of your Lookroad E-bike is your responsibility,as it helps reduce the risk of injury.This manual contains many warnings about the consequences of failure to maintain or inspect your

Lookroad E-bike Improper use could result in se-rious injury or death.

We recommend you use a trusted professional bike technician to assemble your Lookroad E-Bike.

IMPORTANT SAFETY INFORMATION

A. ALWAYS WEAR A HELMET

Helmets significantly reduce the number and severity of head injuries. Always wear a helmet that complies with your state laws when riding your Lookroad E-bike. Check with your local police department for requirements in your community. Make yourself more visible by wearing bright reflective clothing. Keep your reflectors clean and properly aligned. Use head and tail lights in reduced lighting conditions. Wear sturdy shoes and eye protection. Also check your state laws concerning other protective gear that may be required when riding your Lookroad E-bike.

B. KNOW YOUR LOOKROAD E-BIKE

Your new Lookroad E-bike incorporates many features and functions that you may be unfamiliar with. Read this manual thoroughly to understand how those features enhance your riding pleasure and safety.

C. RIDE WITHIN YOUR LIMITS

Take it slow until you are familiar with the riding conditions, as traction can be greatly reduced and brakes become less effective. Never ride faster than conditions warrant or beyond your riding abilities. Remember that alcohol, drugs, fatigue, and inattention can significantly reduce your ability to make good judgement and ride safely.

D. KEEP YOUR E-BIKE IN SAFE CONDITION

For your safety and enjoyment, and to ensure a long life for your Lookroad E-bike, inspect and maintain your E-bike regularly. Follow the inspection and maintenance guidelines throughout this manual. Check critical safety equipment before each and every ride.

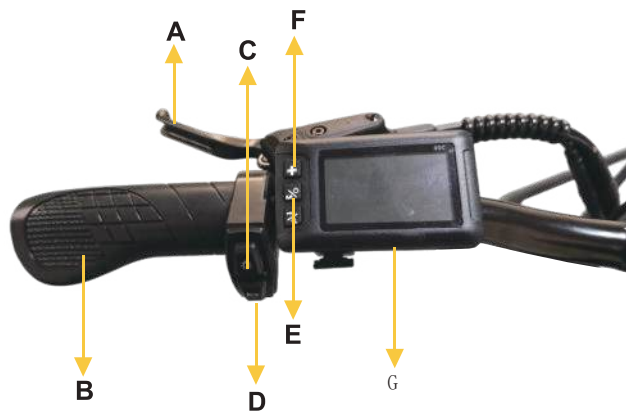
COMPONENT OR CONDITION	INSPECT BEFORE EVERY RIDE	INSPECT PERIODICALLY*	CLEAN AND/OR LUBRICATE	ADJUST/TIGHTEN	REPAIR/REPLACE IF NECESSARY
Tire pressure	X			X	
Tire wear / damage	X			X	
Brake pad adjustment	X			X	
Wheel quick release adjustment	X				X
Head and tail lights	X				X
Controls and displays	X				
Seat post quick release adjustment	X			X	
Brake pad wear		X			X
Brake cable tension / wear		X		X	X
Spoke tension		X		X	
Wheel true		X		X	
Hub bearings		X	X	X	
Chain lubrication		X	X		
Deraillleur adjustment		X	X	X	
Reflectors		X			X
Battery and charger		X			X
Headset adjustment		X	X	X	
Bottom bracket adjustment		X	X	X	
All bolts , nuts mounting hardware		X		X	X

*Every 5 to 10 rides depending on length and conditions of ride.

03 OPERATIONAL INSTRUCTIONS







LEFT HANDLEBAR

A

L/brake Lever

B

Left Handlebar Grip

C

Headlight Button

D

Horn Button

E

Power Button

F

Speed Control Button

G

LCD Display

RIGHT HANDLEBAR

A

Rear Derailleur Shifter — by pressing the button while pedaling, you can increase gears from 1 to 7. The shifter is labeled with the corresponding gear selection.

B

Rear Derailleur Shifter — by pressing the lever while pedaling, you can decrease gears from 7 to 1. The shifter is labeled with the corresponding gear selection.

C

R/Brake lever

D

Handlebar grips

E

Throttle



04 COMPONENT INSTALLATION NOTES



PART 1: REMOVE PACKAGING、HANDLEBAR INSTALLATION



01
Unpack your electric bike.



02
Installation tools



03
Remove front wheel.



01
Insert the handlebar into the handlebar holder.



02
Lock the handlebar fixing screws to secure the handlebar.



03
Loosen the screws

**04**

Adjust the handlebar to the appropriate angle and tighten the screws

**05**

Install the screw protection cover

**06**

Handlebar installation completed

PART 2: THROTTLE INSTALLATION

**01**

Connect the throttle cable properly

**02**

Loosen the throttle screw, install it onto the handlebar, and tighten the screw.

**03**

The throttle has been installed successfully.

PART 3: FRONT WHEEL INSTALLATION



01
Release the front fork guard bar



02
Remove the protective bar



03
Locate the front axle



04
Insert the front axle into the front wheel



05
Install the front wheel onto the front fork, attach the protective screws, and lock the front wheel axle.



06
The front wheels have been installed.

PART 4: HEADLIGHTS, FRONT FENDER, PEDAL INSTALLATION



01

Loosen the screws of the car basket, install the car basket into the corresponding holes and tighten the screws.



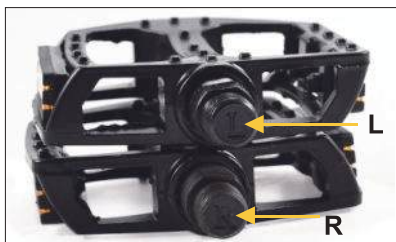
02

Loosen the screws, install the headlights and the front fender to the corresponding holes, and tighten the screws.



03

Loosen the screws, install the front fender to the corresponding holes, and tighten the screws.



01

Determine the left and right pedals.
“L” means the left side is mounted on the crank
“R” means the right side is mounted on the chainring



02

“L” pedal is fixed counter clockwise to the crank



03

“R” pedal is fixed clockwise and fixed on the chain-ring

PART 5: INSTALLATION OF THE REAR FENDER, REAR SEAT AND REAR LIGHTS



01

Loosen the screws, install the rear fender panel into the corresponding screw holes, and tighten the screws.



02

Loosen the screws, install the rear seat into the corresponding screw holes, and tighten the screws.



03

Loosen the screws of the tail lights, install the tail lights into the corresponding screw holes on the rear seat, and tighten the screws.



01

1. When opening the lock, please note that the lock cylinder has been fully retracted, then pull the key
2. Easily remove the battery



01

1. click "U" button next to the left handlebar until you hear ticking sound (if you skip this step, the start process may fail)



02

2. Turn the throttle to ride.

05 RECHARGING THE BATTERY



A. Recharge the battery on E-bike directly



B Remove battery from the E-bike and recharge separately

RECHARGING THE BATTERY



ATTENTION

Connect the battery first, then connect the power supply and make sure the red LED of the charger is lit. The charger will charge the completed battery within 3 to 7 hours.

A red light indicates that the battery is charging. A green light indicates that the battery is fully charged.

06 BATTERY & CHARGER CARE

For your safety and to ensure optimal battery performance, please read and follow these instructions carefully:

- Charging Location Safety

Never charge the battery in bedrooms, living areas, or any enclosed spaces where people remain for extended periods. Always charge in a well-ventilated, dry area away from flammable materials and direct sunlight.

- Charging Time Guidelines

Do not leave the battery connected to the charger continuously after it is fully charged. Unplug the charger promptly once charging is complete. Avoid charging the battery for more than 12 hours continuously.

- Long-Term Storage

If the battery will not be used for an extended period, charge it fully before storage and recharge it every 2 months to maintain battery health. Store in a cool, dry place.

- General Safety Precautions

- Recharge the battery before it becomes fully discharged.
- Only use the charger provided by Ridstar. Do not use other chargers or power sources.
- Do not use the battery to power other devices.
- Do not disassemble, alter, or expose the battery or charger to fire, liquids, or extreme weather.
- If you notice unusual sounds, odors, or damage, stop use immediately and contact Ridstar Customer Service.

- Important Prohibitions

- Do not place the battery near heat sources or corrosive substances.
- Do not operate the battery or charger if physical damage is present.
- Use the battery only for its intended purpose as part of your Ridstar e-bike system.

Failure to follow these instructions may result in battery damage, reduced lifespan, fire, or explosion.

07 GEARS

Your Lookroad E-Bike is equipped with multiple speeds. The first gear is for easier and uphill pedaling, and the last gear is for maximum speed on level or downhill terrain. Change gears only while pedaling.

The rear wheel contains seven chain sprockets (depending on model). When the chain is around the largest sprocket, you are in 1st gear, or the lowest gear. The high gear will have the derailleur positioned so that the chain is directed around the smallest gear. Every

position on the gear selector should cause a gear change, adjustments require fine tuning and should only be made by a qualified technician.

Avoid changing gears very rapidly from first gear to the last gear or vice versa. If you change multiple gears too quickly, you could cause the chain to come off the sprocket.

08 LCD DISPLAY



Introduction to the use of buttons

1. Switch liquid crystal display

I Press M 5 seconds to turn on and off the display screen.

II.Modify assist ratio / electric gear

III Short press+、-help to add or subtract; default is first gear;

Toggle cruise status

1)When the vehicle is at rest, press — for a long time, enter 6KM/h booster mode

, and let go of booster mode (brake can also exit 6KM)

2)Long press + 5 seconds to switch headlights

3).Short press M to switch AVG (average speed), MAX (maximum speed), VOL

(digital voltage), (running time), ODO (total mileage) in the power-on

state, and these interfaces cycle.

1) Long press M +

+ will enter the parameter setting interface, the parameters that can be set include: backlight brightness, mileage unit, voltage level, dormancy time, power gear, wheel diameter, number of magnets, speed limit, zero start non-zero start setting, drive mode, assist sensitivity, power start strength, assist magnetic plate type, controller current limit value, ODO zero setting, etc.

Under the setting interface, you can press M to switch the above menu

items, press + and- to set the parameter values under the current menu,

and press M to save the setting values of the current menu and go to the

next menu item.

2) Long press +, -, to exit the setting. If the meter does not operate for 8 seconds, it will also exit the menu item.

Fault code Error code Err

Vehicle status code meaning:

Statuscode(decimal)	Statemeaning	note
0	The normal state	
1	keep	
2	The brake	
3	Assist sensor fault (Riding logo)	Not implemented here
4	6 km/H cruise	
5	Real-time cruise	
6	Battery undervoltage	
7	Motor fault	
8	Turn the fault	
9	Controller failure	
10	Communication receiving failure	
11	Communication transmission failure	
12	BMS communication failure	
13	Headlight fault	

SETTING

P01: Backlight brightness, level 1 darkest, level 3 brightest;

P02: mileage unit, 0: KM; 1: MILE;

P03: Voltage level: 24V, 36V, 48V, 60V, 64V default 36V;

P04: Dormancy time: 0, not dormancy; Other numbers are dormancy times, range: 1-60; Unit minutes;

P05: Help file bit: 0, 3 file mode: 1, 5 gear mode;

P06: Wheel diameter: unit, inch; Precision: 0.1; This parameter is related to the meter display speed and needs to be entered correctly;

P07: Speed gauge magnetic steel number: range: 1-100; This parameter is related to the meter display speed and needs to be entered correctly;

If it is an ordinary hub motor, direct input of magnetic steel; If it is a high-speed motor,

it is also necessary to calculate the deceleration ratio, and the input data = the number of magnetic steel × deceleration ratio;

For example: number of motor magnets 20, deceleration ratio 4.3: input data is: $86 = 20 \times 4.3$

P08: Speed limit: range 0-100km / H, 100 means no speed limit, The input data here represents the maximum operating speed of the vehicle: for example, input 25, indicating that the maximum operating speed of the vehicle will not exceed 25km/h; Drive speed maintained at set value,

Error: ± 1 km/h; (Speed limit for power and steering)

Note: The value here is based on kilometers. When the unit setting is converted from kilometers to miles, the speed value of the display interface automatically converts to the correct mile value, but the speed limit value set at this menu under the mile interface is not converted.

Is inconsistent with the actual speed limit of the mile speed; Note: P09-P15 menu is only valid in communication state

P09: zero start, non-zero start setting, 0: zero start; 1: Non-zero start;

P10: The drive mode is set to 0: Power Drive(how much power is output is determined by the power file bit, and the switch is invalid).

1: Electric drive(by turning the handle drive, when the power file bit is invalid).

2: Power Drive and Electric Drive Coexistence

P11: Help sensitivity setting range: 1-24;

P12: Help start intensity setting range: 0-5;

P13: Power Magnetic Steel Disk Type Setting 5, 8, 12 Magnetic Steel Types

P14: Controller limit value set default 12A range: 1-20A

P15: Controller undervoltage

P16: ODO zero setting length press key 5 seconds ODO zero

P17: 0: No enabling cruising, 1: enabling cruising; Automatic cruise optional(valid for protocol 2 only)

P18: Display speed ratio adjustment range: 50 % ~ 150 %,

P19: 0 power bit, 0: 0, 1: does not include 0

P20: 0: 2 Protocol 1: 5 S Protocol 2: Standby 3: Standby

09 KEYS

*Your Lookroad electric bike comes with one or two sets of keys

* Ignition key

* The key to the battery holder under the bicycle frame

WARNING

Keep out of reach of children, Always keep your keys in a safe place to avoid losing them.

10 BRAKES

It's important to your safety that you instinctively know which brake lever controls which brake. On your Lookroad E-Bike, the right brake lever controls the rear brake. The left brake lever controls the front brake.

Your Lookroad E-Bike is equipped with disc brakes for maximum reliability. Applying hand pressure to the brake levers will cause the wheel brake to create friction against the brake disc, slowing the wheel. The faster the E-Bike will come to a stop.

The rear brake should always be applied before and while the front brake is applied. Applying only the front brake to slow or stop at high speeds may result in the rider being ejected from the saddle and continuing forward over the handlebars. It is best to apply even pressure to both brake levers when slowing or stopping.

Bicycles equipped with disc brakes will occasionally make a slight scraping noise when the wheels are turning without the brakes being applied. This is normal.

Make sure that the brake lever does not contact the handle bar when full hand pressure is applied (figure 1). If so, then the brakes must be adjusted by increasing the tension on the cable.

A quick adjustment may be made by screwing or unscrewing the threaded barrel adjuster on the brake lever until the brakes are fine-tuned for safe stopping (Figure 2). If the brakes are still not operating correctly, they may require further adjustment by an experienced bicycle mechanic.

WARNING

* Disc brake rotors become hot during use. Do not touch or come in contact with the disc rotor shortly after use.

* Wet weather will require a longer distance to stop brake earlier and avoid sudden stops when riding in wet conditions.



FIGURE 1



FIGURE 2

11 TIRES & INNER TUBES

Tires should not be deflated unless necessary. To minimize tire wear and for maximum riding safety, comfort, and handling, maintain recommended tire air pressure. This can be found on the side wall of all tires. Use a reliable tire air

pressure gauge to check for proper inflation before every ride. At the same time, inspect tires for excessive wear and cracks. Replace tires if necessary.

12 APPEARANCE

Clean your Lookroad E-Bike regularly with a damp cloth. Avoid spraying the Ridstar with a water hose to avoid electrical issues. Store your Lookroad in a dry, sheltered place away from direct sunlight and wet or damp environments.

13

LOOKROAD E-Bikes FAQ

Q. How long does it take to fully charge the battery?

A. It depends on the state of depletion, but around 3-6 hours if completely discharged.

Q. Can I ride up hills and against strong headwinds on my Lookroad electric bike?

A. Yes, One of the main advantages of cycling on a Lookroad electric bicycle is that it flattens hills and increases your average speed when tackling inclines and headwinds. If you provide a reasonable amount of effort, you should be able to tackle anything from a 10% gradient up to a 14% gradient. You will be amazed at the relative ease with which your new Lookroad electric bike can tackle some of the most arduous journeys.

Q. Do I have to pedal an electric bike?

A. No, but it helps to prolong battery life. The motor on our bikes is both throttle and pedal assist controlled, allowing you to decide how much power you desire. Have you ever tried to cycle when speeding downhill on your normal bicycle? It's just like that. The motor is propelling you faster than you're cycling, so there is pretty much no resistance. It's merely a formality!



Q. What happens when I use the brakes under powered assistance?

A. All of our bikes are equipped with brake levers that have a built-in safety switch that automatically cuts off the motor power under normal braking conditions. This not only ensures a safe unpowered stopping feature, but also protects the motor under braking conditions so that it isn't working against the brakes.

Q. How far will Lookroad take me?

A. This all depends on a few factors. Cycling with pedal assist along a straight road under normal conditions, the standard battery should last about 40-60 km. Cycling up steep hills will obviously take more energy out of the battery and factors such as road surface, wind resistance, weight of the rider and tire pressure will affect your range.

Q. What happens if I get a flat tire?

A. The tires on our bikes are the same as conventional bicycles. Simply replace the tube with a tube of the right size and inflate it. No special tires or parts will be needed.

Q. How do I know when the battery is low?

A. The E-bike have easily visible indicators located on the right handlebar or LCD screen that show the amount of juice left. If it is getting low and you don't think you will make it to your destination, you can switch off your motor and keep it just for the difficult bits.

Q. Do I have to wait for the battery to empty before I charge it?

A. No. The batteries we use are Lithium-ion batteries which do not suffer from 'memory effect'. This means that there is no need to discharge a battery completely before you recharge it again. You can partially recharge the battery at any time without reducing its voltage or lifespan. We recommend recharging the battery after every use, regardless of how far you rode.



14

INSPECTION & MAINTENANCE



Hand brake cut-off power

When your bike is equipped with brake cut-off power set, the bike will automatically cut off power when the brake is used.

Low voltage protection

When the battery output voltage reaches its limit, the electronic control system will cut off the power to automatically protect the battery. When the battery reaches its minimum voltage, you can switch to pedal riding. The battery should be recharged before riding again.

Power off

When your E-Bike is not in use, please turn off the power.

Charge indicator

Red indicates charging, green indicates that the battery is full.

Note: The battery switch must be turned off using the switch on the bottom when the battery is charging. The battery must be fully charged before the first use. We recommend you charge the battery for a full 6 hours after your first 3 uses. If the bike is not used for a long time, you should fully charge and remove the battery. While not in use, keep the battery turned off and recharge every 2 months.

Make sure to keep the battery and charger away from children during charging.

Do not attempt to disassemble or modify the battery or charger.

Do not use the battery or charger for any use other than its intended purpose.

Battery charging

Plug in the connector between the charger and the battery, then plug the charger into an electrical outlet. The LCD indicator on the charger will show red, which means charging. When the indicator light turns green, the battery is fully charged. When you are finished charging, first unplug the charger from the power supply, and then unplug the connector between the battery and the charger.

During the charging process, the charger and battery should be placed in a stable and cool place. The battery operating temperature range should be between 32 and 110 degrees Fahrenheit. Do not put any cover on the battery or charger. Make sure that no liquid comes into contact with the charger.

Mileage

Performance of electric bicycles is affected by road conditions, rider/load weight, and weather conditions. We recommend that you manually pedal as often as possible to improve your travel distance and battery life

Inclines

When riding uphill on an incline of 15 degrees or more, we recommend using the pedal to assist your climb.

Cleaning

When cleaning your electric bicycle, wipe with a dry or damp cloth, do spray directly with a hose. Do not put oil on the front brake.

The seat tube should be cleaned and lubricated if necessary.

Parking

Please make sure your Lookroad E-Bike is parked in a stable place and the kickstand is used.

BASIC MAINTENANCE

1. To ensure that your E-Bike is in the best condition, maintain and clean regularly.

2. Regularly check that the tires are inflated correctly.

3. Make sure that quick release, nuts and bolts are tightened.

4. After a period of riding, check that the spoke tension is normal. Adjust as needed.

5. The frame and other parts are made of aluminum alloy. Avoid friction or collision and clean it regularly.

6. Do not take apart the motor, battery, or controller yourself. If necessary, take your E-Bike to a professional bicycle technician for repairs.

7. Do not use high-pressure water to clean your E-Bike. Keep water away from the controller, battery and motor.

8. Lubricate the chain, flywheel, head parts, kickstand, etc. when necessary.

15

WARRANTY CERTIFICATE

Important

warranties against manufacturer defects for all of our regular electric bikes and parts except accessories.

The warranty period begins on the delivery date within twelve (12) months.

Please note this warranty only covers the initial purchaser and DOES NOT cover accessories.

Validity

The warranty is valid only when:

- a) The Product is purchased from Lookroad authorized dealers or outlets.
- b) The Product is NOT transferable to any third party either in ownership or during the period of contract.
- c) The model and serial label should not be defaced or removed from the Product.

Exclusion

- a) Damage or loss caused by modification, alteration, or repair by any unauthorized party.
- b) Damage or loss caused by mishandling by the customer or person(s) with access to the product on the customer's premises.
- c) Normal wear and tear.
- d) Damage or loss caused by Acts of God or any other causes beyond Lookroad control.

- e) Damage or loss as a result of external bodies.
- f) Damage or loss caused by another device that is connected to the Product.
- g) Damage resulting from accidents, misuse, abuse, tampering, or failure of the customer to follow normal operating procedures outlined in the user manual.
- h) General maintenance and servicing.

Lookroad E-Bike Warranty

In the rare case that your E-Bike arrives and does not work, in order to honor the warranty the following must be followed:

- If your E-Bike is received with a defect, Lookroad will take care of the shipping fees (at Lookroad instruction) and immediately ship replacement equipment or repair the equipment.
- If your E-Bike is in need of return, the owner must contact Lookroad, will receive a Return Authorization (RA) Number and all of the necessary information. Lookroad will not accept returns without an RA.
- All returns must be properly packaged to prevent damage during shipment. An explanation of the problem or damage and a proof of purchase must be submitted with the return which will be shipped by the owner.
- The RA number must be clearly visible.
- The owner will be responsible for insurance of the merchandise (at owner's cost) because Lookroad will not be responsible for damages or losses during shipment.

The warranty is void if: The damages are a result of an accident, abuse, alteration, non-authorized usage, or use of electricity other than that indicated in this manual.

The warranty is void if: The owner or user neglected to do routine maintenance required and the damages or problems are directly related to such neglect. It is the user's responsibility to keep the E-Bike in proper condition.

Certain parts of the equipment are not covered by the lankeleisi warranty due to the fact that they require replacement after multiple uses. For example: buttons, pedals, seats, tires, etc. These parts will eventually require replacement at the owner's cost.

The manufacturers will not be held responsible for damages or monetary losses related to the purchase or use of their products. Lookroad denies responsibility for all physical and moral damages linked to the purchase and use of their products. In all cases, the damages can not exceed the purchase price paid by the initial owner.

The final decision to honor the warranty is taken by Lookroad personnel after a technical inspection when the owner returns defective products.

The warranty excludes:

1. Replacement and shipping costs of products worn out by normal use.
2. Replacement and shipping costs of products due to problems related to neglect, abuse, or lack of maintenance.

Warranties are NON-TRANSFERABLE.

Product Data

E-Bike Model: _____

Serial Number: _____

Purchase Date: _____

Order Number: _____