



# ***E-BIKE USER MANUAL***







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# Attention

This manual contains details of the product, information on its operation and maintenance, safety notes, and other helpful tips for owners. All users must read it carefully and familiarize themselves with the below-mentioned information before using the product to ensure safe use and prevent tragic accidents. Failure to review this information may lead to injuries or death.

**Make sure to read all provided component manuals along with this Ebike manual before use. Make sure to retain this manual along with any other documents included with your Ebike for future reference.**

As it is impossible to anticipate every situation or condition which can occur while riding, this manual makes no representations about the safe use of Ebike under all conditions. Therefore, unforeseen risks associated with the usage of any Ebike are the sole responsibility of the rider.

All content in this manual is subject to change or withdrawal without notice. QRONGE makes every effort to ensure the accuracy of its documentation and assumes no responsibility or liability if any errors or inaccuracies appear within.



## Notice

Initial assembly and adjustment of your QRONGE Ebike may be challenging and should be assembled with two people. Pay special attention to areas marked by this Caution Symbol and all information in this manual beginning with NOTICE.

As a parent or guardian, you are responsible for the activities and the safety of your children. The QRONGE Cruiser is not designed for use by children.

The maximum design speed of this electric bicycle does not exceed 25 km/h.

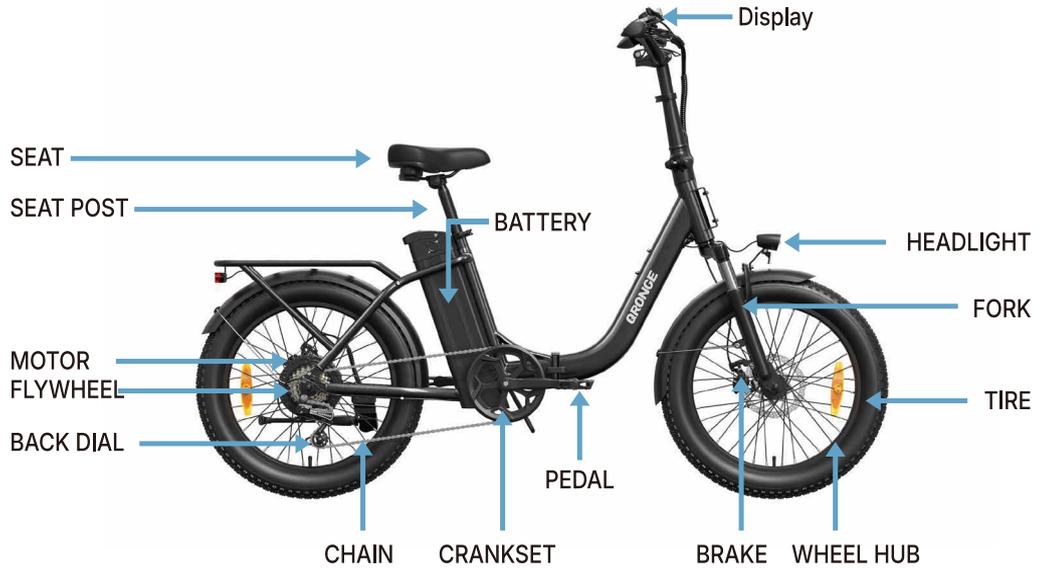


# Safety Precautions

1. Failure to confirm proper installation compatibility, proper operation, or maintenance of any component or accessory can result in serious injury or death.
2. Before riding, please ensure the Ebike is a proper fit. You may lose control or fall if your Ebike is too big or too small.
3. Make sure all screws are tight and your Ebike is set up correctly before riding and conduct regular check-ups.
4. Always wear a helmet. Helmets significantly reduce the number of head injuries. Practice safety rules that comply with your state laws when riding your QRONGE Ebike. Riding without a helmet may result in injuries or death.
5. Make yourself more visible by wearing bright reflective clothing. Keep your reflectors clean and properly aligned. Use head and tail lights when visibility is reduced.
6. Wear sturdy shoes and eye protection. Check your state laws concerning other protective gear that may be required when riding your QRONGE Ebike.
7. Ebikes are heavier and faster than ordinary bicycles, please be extra careful when riding.
8. Ride slowly until you are familiar with the riding conditions. Never ride faster than conditions warrant or beyond your riding abilities.
9. Alcohol, drugs, fatigue, and inattention can significantly reduce your ability to make good judgments and ride safely.
10. Keep your Ebike in safe conditions, inspect and maintain your E-Bike regularly to ensure a longer product life for your QRONGE E-Bike. Follow the safety checklist on page 29 in this manual.

- 11.** Ensure handlebar grips are not damaged and are properly installed. Loose or damaged grips can cause you to lose control and fall down.
- 12.** Check the operation of the brake suppressor switch before each ride. The brake system is equipped with a suppressor that shuts off the power to the motor whenever the brake is engaged. Check the correct operation of the brakes before riding the Ebike.
- 13.** Understand the operation of the power button and pedal assist sensors before use to ensure that you ride at a speed appropriate for the area and the user's experience level during use.
- 14.** Failure to properly charge, store or use your battery will void the warranty and may cause dangerous situations.
- 15.** Be extra careful when riding in wet conditions. Feet or hands may slip and fall in damp environments, resulting in death or serious injury due to the fall.
- 16.** After any incident, do not ride your Ebike until you consult with a certified Ebike mechanic for a comprehensive inspection.

- 17.** Ebike and Ebike parts have strength and integrity limitations. Extreme riding should not be performed or you risk damaging the components or becoming seriously injured or killed.
- 18.** Do not ride this bike in any ways other than the intended purpose or you can be seriously injured or killed.
- 19.** Off-road riding requires close attention and specific skills. Please be aware of variable conditions and hazards.
- 20.** Wear appropriate safety gear and do not ride alone in remote areas. Check local rules and regulations if off-road riding is allowed.
- 21.** Do not use this product with standard bicycle trailers, stands, or bike racks. Contact QRONGE to check if your equipment will work with the Ebike. Any service changes to your QRONGE Ebike that are not expressly approved by QRONGE may invalidate the warranty and cause an unsafe riding experience.
- 22.** It is your responsibility to familiarize yourself with the laws and requirements of the operation of this product in the areas where you ride.
- 23.** Ensure that you comprehend all instructions and safety notices/warnings.





## Step 2: Mounting and Remove the Folding Riser

Rotate the handlebar upwards until it fits the frame perfectly



Tighten the handlebar clamp



When the clamp is as shown, it means that the handlebars are locked



Clamp the fixture to fix it.



Release the clamp



Align the folding riser with the edge to insert it into the frame



Adjust to the appropriate height and tighten the clamp



Release the clamp and adjust the handlebar to the proper angle



### Step 3: Front Wheel Installation



Remove the front fork protection component



Remove screws and spacers on both sides



Mount the wheel to the fork as shown in the picture



Install screws and washers.



Put the spacer back in and tighten the screws on both sides, installation completed.

## Step 4: Front Fender Installation



Fix the nut as shown in the figure



Tighten the screws



Attach the fender and fork. Tighten the screws to complete the installation.

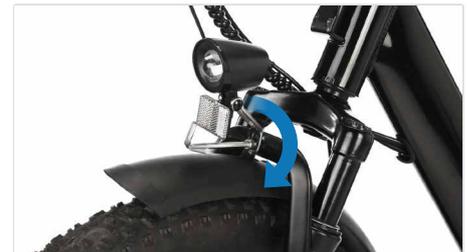
## Step 5: Front Basket and Headlight Installation



Place the spacer and tighten the four screws to complete the front basket installation.



Connect and tighten the headlights to the front basket holes.



## Step 6: Pedal Installation



Find the correct pedal, 'L' for left pedal  
and 'R' for right pedal



"R" pedal is fixed clockwise on  
the crank.



"L" pedal is fixed counterclock-  
wise on the crank.

## Step 7: Taillight Installation



Align the taillight at the rear rack's screwholes.



Tighten the screws to complete installation



## Step 8: Battery Installation and Removal



Keyhole position "ON" for power on



Keyhole position "OFF" for power off



Press and rotate to position "UNLOCK",  
unlock and pull out the handle



Pull out the battery

## Step 9: Bike Seat Installation



Loosen the saddle clamp to adjust the seat according to your height.



Use a bike pump inflate tires. Do not over-inflate or under-inflate tires.

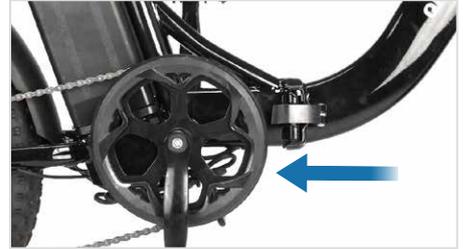
## Step 10: Frame Folding Steps



Loosen the clamps



Lift Up Clamps



Push inward as shown to complete frame folding





# Battery and Charger

## BATTERY CHARGING TIME:

A single full charge will take 5-8 hours (Charging time varies depending on regional voltage and charging environment)

## CHARGING METHODS:



A. Recharge the battery on E-Bike directly.

Or



B. Remove battery from the E-Bike and recharge separately.

## BATTERY CHARGING TIPS

- ★ The battery should be recharged after each use. You can charge the battery after short rides even if the battery is not empty without damage.
- ★ Do not cover up the battery when plugged in or charging. Provide an open space with air circulation. Do not charge with the charger upside down which can inhibit cooling and reduce the battery life.
- ★ Check the cables, charger, and battery for damage before beginning each charge.



### Notice

Charger will charge the completed battery within 5-8 hours. Connect the battery first, then connect the power supply and make sure the red LED of the charger is lit. A red light indicates that the battery is charging. A green light indicates that the battery is fully charged. Always charge your battery in temperatures between 41 and 113 Fahrenheit and ensure the battery and charger are not damaged before initiating charge. If you notice anything unusual while charging, please discontinue charging and use the bike and contact QRONGE Ebike for help.

#### When the Battery Is Removed

- ◆ Be careful not to drop or damage the battery pack.

## Charger Safety Precautions

- Keep the charger in a safe place away from children.
- Fully charge the battery before each use. This can extend the life of the battery and reduce the chance of over-discharging the battery pack.
- Do not charge the battery with any other chargers that are not purchased directly from QRONGE.
- The charger is compatible with 110/220V 50/60 Hz standard home AC power outlets.
- Avoid contact with liquids, dirt/debris, or metal objects.
- Do not yank or pull on the cables of the charger. When unplugging, carefully remove both the AC and DC cables by pulling on the plastic plugs.
- If you notice a strange smell or the charger/battery is overheating. Please stop charging immediately and contact QRONGE Ebike customer service.



Please take special care when charging your QRONGE Ebike by following the above procedures and safety information. Failure to follow the proper charging procedures can result in damage to your QRONGE Ebike, charger, personal property, and serious injuries or death.

## Battery/Charger Care

If the battery will not be used for an extended period, charge the battery fully and recharge it every 2 months.

Store in a cool, dry place.

Recharge the battery after every use.

### Do not:

- Use it to power other electrical devices. Improper use will damage the battery and shorten its life and may cause fire or explosion.
- Disassemble or alter the battery or battery charger.
- Place the battery near fire or corrosive substances.
- Allow any liquids on or inside the battery/charger.
- Expose the battery/charger to extreme weather conditions.
- Operate the battery/charger if damaged. Re-charge the battery only with the charger specified by the QRONGE.
- Use the battery/charger for any use other than its intended purpose.

## EXTENDING RANGE AND BATTERY LIFE



### Notice

It is recommended that users pay close attention and ride within the following limitations to ensure the hub motor does not overheat or become damaged from excessive loading.

- \*Pedal can assist the motor when climbing hills and accelerating from a stop.
- \*Avoid sudden starts and stops.
- \*Accelerate slowly.

If you experience unusual sounds or odors coming from the charger or the battery, unplug the charger immediately and contact QRONGE customer service.



# Brakes / Shock Absorption

Your QRONGE E-Bike is equipped with mechanical brake for maximum reliability. Applying pressure to the brake levers will cause the wheel brake to create friction against the brake disc, slowing the wheel. For a rapid stop, apply more pressure to the brake lever.

It is important to know how brake levers control the front and rear brakes. The left brake lever controls the front brake and the right brake lever controls the rear brake.

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 injuries from fall. It is best to apply even pressure to both brake levers when slowing or stopping.

Ebikes 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 touch the handlebar when full hand pressure is applied (Figure 1). If so, then the brakes must be adjusted by increasing the tension on the cable.



Figure 1

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.



Figure 2



## WARNING

1. Disc brake rotors may become hot during usage. Do not touch the disc rotor shortly after use.
2. Wet weather conditions will cause slipping and require a longer distance to stop. Brake earlier and avoid sudden stops when riding in wet conditions.



# LCD Odometer & Instructions

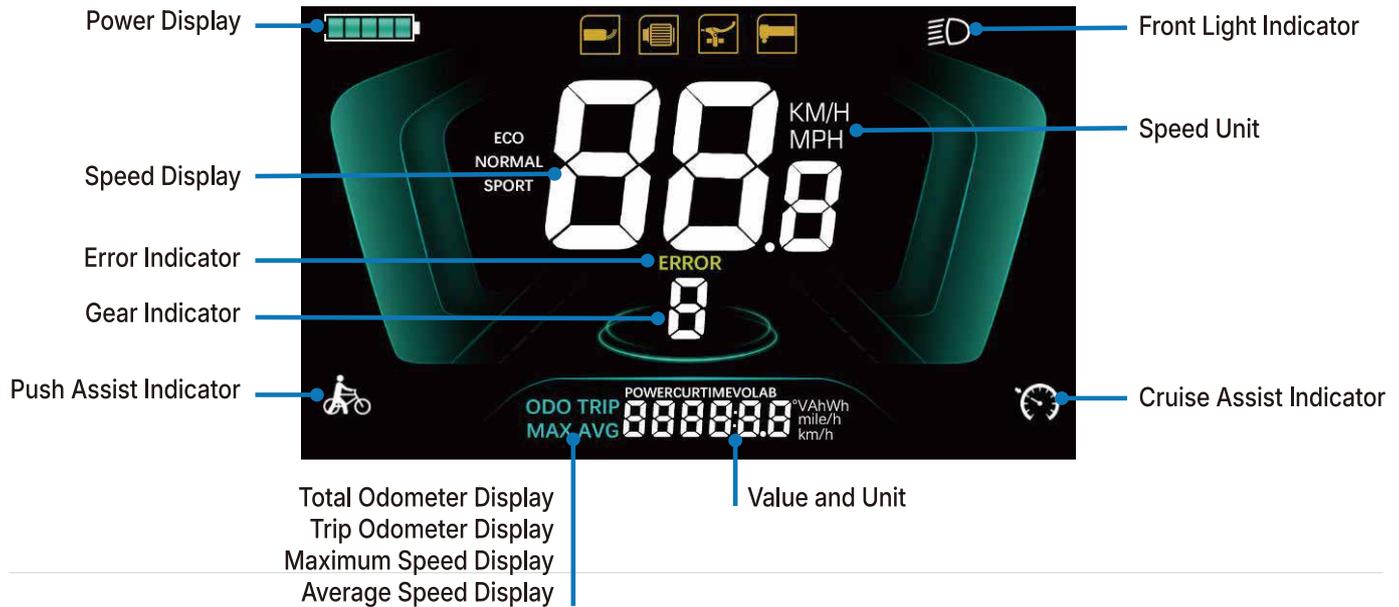
## Display Appearance



## Buttons Description

Button	Name	Function
	<b>【Power】</b>	1. Power On/Off 2. Settings Confirmation
<b>+</b>	<b>【+】</b>	1. Pedal Assist Speed Up 2. Front Light On/Off 3. Settings Options
<b>-</b>	<b>【-】</b>	1. Pedal Assist Speed Down 2. Push Assist Starts/Shuts 3. Settings Options

## Functional Area Distribution



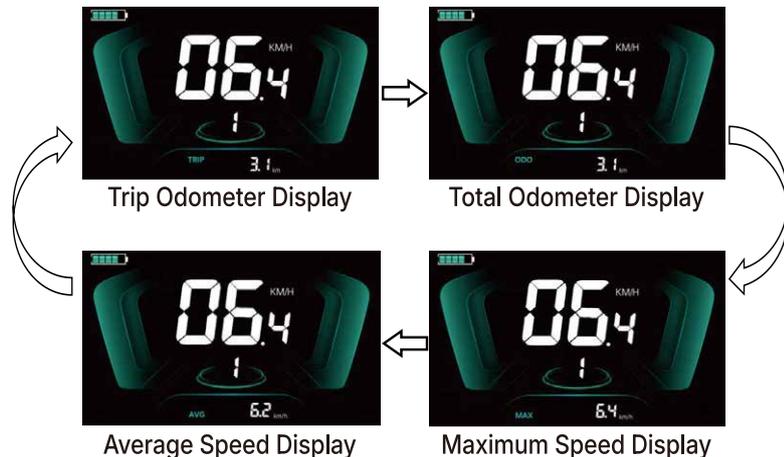
### ★ Power on/off

Press and hold the , and the display will start working, supplying power to the controller. In the powered-on state, pressing and holding the power button can turn off the electric bike's power. In the powered-off state, the display no longer uses the battery's power, and the display's standby current is less than 1  $\mu$ A.

**Note:** If the electric bike is not used for more than 10 minutes, the Display will automatically shut down.

### ★ Display Interface Switching

After the Display is powered on, it defaults to showing the real-time speed (km/h) and trip distance (km). By short-pressing the , the displayed information cycles through the following: trip distance (km), total distance (km), maximum speed (km/h), and average speed (km/h).



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## ★ Power-Assisted Pushing

Press and hold the  to activate the electric assist walking mode for the electric vehicle. The vehicle will move at a constant walking speed. Meanwhile, the screen will display . Release the , and the electric vehicle will immediately stop power output and return to the state before the assist walking mode was activated.

**Note:** The push assist feature is designed exclusively for use when the user is pushing the electric vehicle. It must not be used while riding the vehicle.



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## ★ Cruise Mode Entry

When the bike is riding at a fixed speed, long press the  button for 5 seconds, the E-bike will ride at a fixed speed without turning the throttle, at this time the bike enters the fixed speed cruise mode. Brake/accelerate to exit the cruise mode.

## ★ Turn On/Off The Front Light

Press and hold **+** to turn on the front light, and the display backlight will dim. Press and hold **+** again to turn off the front light, and the display backlight will restore to its original brightness.



## ★ Assist Level Selection

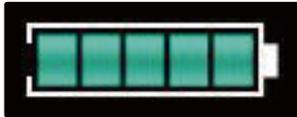
Press **+** **-** briefly to switch the electric assist level of the vehicle, thereby adjusting the motor's output power. (The following images are only illustrative of the different speeds corresponding to each level; the actual speeds are subject to the physical product.)



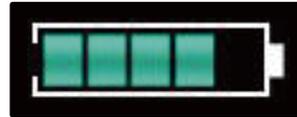
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## ★ Power Level Display

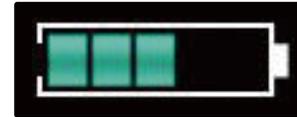
The battery level is displayed in five segments. When the battery is fully charged, all five indicator lights are illuminated. When the battery is under-voltage, the outer border of the battery icon flashes, signaling an immediate need for charging.



Full Battery Display



Four Bars Battery Display



Three Bars Battery Display



Two Bars Battery Display



One Bar Battery Display



Low Battery Flashing Alert

## ★ Error Code Display

When a malfunction occurs in the electric control system of the electric vehicle, the display will automatically show an error code. For detailed definitions of the error codes, please refer to Appendix 1.



## Appendix 1: Error Code Definition Table

Error Code	Error Name
E001	Controller Fault
E002	Communication Fault
E003	Hall Sensor Fault
E004	Throttle Fault
E005	Brake Lever Fault
E006	Motor Fault

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## Personalized Parameter Settings

**Note:** All settings must be adjusted while the electric bike is stationary.

The steps for personalized parameter settings are as follows: When the vehicle is powered on and the speed displayed is 0,

- (1) Press and hold both **+** and **-** for more than 2 seconds to enter the personalized parameter selection interface.
- (2) Briefly press **+** or **-** to switch between personalized parameter options. Briefly press the power button to enter the parameter modification mode.
- (3) Briefly press **+** or **-** to select parameters. Press and hold **+** for continuous increment or press and hold **-** for continuous decrement.
- (4) Briefly press **⏻** to save the parameter settings and return to the personalized parameter selection interface.

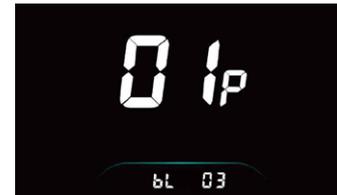
- (5) Press and hold **⏻** to save the parameter settings and exit the personalized parameter selection interface.

The personalized parameter selection interface includes the following options:

### ★ Backlight Brightness Setting

01P is the setting option for backlight brightness, where 01 represents the dimmest level, 02 stands for the standard level, and 03 indicates the brightest level.

Short press **⏻** to enter parameter adjustment mode, then use **+**/**-** to select parameters. Finally, short press **⏻** again to save the settings and return to the personalized parameter settings selection interface.



## ★ Imperial/Metric Units Switch

02P is the setting option for switching between metric and imperial units, where 00 represents the metric system and 01 stands for the imperial system.

Press the  briefly to enter the parameter modification mode. Use the  or  button to navigate through the parameter options. Press the  again briefly to save the parameter settings and return to the personalized parameter selection interface.



## ★ Speed Limit Setting

Parameter 03P sets the speed limit (maximum limit may vary depending on the communication protocol).

Short press  to enter parameter adjustment mode, then use   to select parameters. Finally, short press  again to save the settings and return to the personalized parameter settings selection interface.





# E-bike Care Guide

**To ensure safe riding conditions you must ensure your Ebike is properly maintained. For your safety, follow these basic guidelines and see your certified Ebike mechanic regularly.**

1. Properly maintain batteries by keeping them fully charged when not in use.
2. Never immerse the bike or any components in water because this action may damage the electrical system.
3. Periodically check wiring and connectors to ensure there are no damages and the connectors are secure.
4. Clean and wipe the frame with a damp cloth soaked in a mild non-corrosive detergent mixture and dry with a cloth.
5. Store under shelter; avoid leaving the bike in the rain or exposed to corrosive materials. If you leave the bike in a wet condition, dry your bicycle afterward and apply anti-rust treatment to the chain and other unpainted steel surfaces.
6. Riding on the beach or coastal areas may expose your bicycle to corrosive salt. Wash your bicycle frequently, and wipe or spray all unpainted parts with anti-rust treatment.
7. If the hub or bottom bracket bearings have submerged in water, they should be taken out and re-greased to prevent deterioration.
8. If the paint has become scratched or chipped on any metal, use touch-up paint to prevent rust. Clear nail polish can also be used as a preventative measure.
9. Regularly clean and lubricate all moving parts, tighten components and adjust as required.
10. Damage from corrosion is not covered under warranty, give your bike special care to prevent corrosion and extend its product life.



# Safety Checklist

NOTICE: it is important to carry out the following checks before riding.



COMPONENT OR CONDITION	INSPECT BEFORE EVERY RIDE	INSPECT PERIODICALLY*	CLEAN AND/OR LUBRICATE	ADJUST/TIGHTEN	REPAIR/REPLACE IF NECESSARY
Tire pressure(15-20PSI)	✓			✓	
Tire wear/damage	✓			✓	
Brake pad adjustment	✓			✓	
Wheel quick release adjustment	✓				✓
Head and tail lights	✓				✓
Controls and displays	✓				
Seat post quick release adjustment	✓			✓	
Brake pad wear		✓			✓
Brake cable tension/wear		✓		✓	✓
Spoke tension		✓		✓	
Wheel truing		✓		✓	
Hub bearings		✓	✓	✓	
Chain lubrication		✓	✓		
Derailleur adjustment		✓	✓	✓	
Reflectors		✓			✓
Battery and charger		✓			✓
Headset adjustment		✓	✓	✓	
Bottom bracket adjustment		✓	✓	✓	
All bolts, nuts & mounting hardware		✓		✓	✓

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



# Troubleshooting

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*If your QRONGE E-Bike is not working, check the connecting cables(near the handlebar) to make sure they are not loose or unplugged.*





# Disclaimer

**At QRONGE, we take our customer's safety very seriously and will always advise that you carefully follow local, state, and federal laws before making a purchase with us.**

- QRONGE has great capabilities and will grow with the skills of the rider to higher levels. We ask all users who of QRONGE to please be careful at all times and be responsible for the safety of themselves and others.
  - Some counties, states, towns & cities have different laws/regulations, please check with your local authorities and abide all speeds/power restriction laws when commuting on roads or places specific to limitations that are stated, e.g. parks, tracks, trails, or private areas of residence.
  - Children under 16 years of age should always be supervised by an adult. QRONGE should never be ridden by anyone under the recommended age limit.
  - Always wear a helmet, elbow and kneepads. We recom-mend that you never ride with sandals or barefoot, and have athletic shoes when riding QRONGE.
- Before every ride, check and secure all fasteners and wheels for wear and tear. Replace worn or broken parts immediately.
  - Please be sensible with serious consideration and that no injury, harm, or loss is caused in any regard. We advise abasic insurance policy be obtained for riders and to speak with your local authorities before riding on roads.
  - QRONGE. holds no responsibility for the actions of others once your Ebike is delivered. The result of your actions depend solely on the purchaser and the way you conduct your responsibilities. If you require any further information we are happy to advise to the best of our knowledge.

Components of the QRONGE Ebike are subject to higher wear when compared to bicycles without power assistance. This is because the QRONGE Ebike travel at higher speeds than regular bicycles with a greater weight. Higher wear is not a defect in the product and is not subject to warranty.



## **Notice**

Once the service life of any component is exceeded, it may cause an unexpected loss of function. This can lead to serious injuries or even death. Therefore, please pay attention to wear characteristics, such as cracks, scratches, or changes in component color or operation, which may indicate that the service life has been exceeded. Worn parts should be replaced immediately.

Thanks for Riding QRONGE Ebike!



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