



NAVIGATA Cite

User Manual V.1.3


Always refer to pedibal.com for the latest version of the user manual.

Important Recommendations:

- Please retain the shipping carton (as helps with any returns for servicing or returns should they be required)
- 2 keys are included we recommend separating these and perhaps getting 3rd cut as replacing these is not possible
- Keep the battery charged especially if not used for long periods to help extend the battery life (see instructions)
- Please take time to read over the instruction manual for usage & safety tips.



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Thank you for purchasing your e-bike from Pedibal. We take pride in bringing you a quality product that will offer you years of enjoyment.

We take pride in our bikes and are sure it will offer you years of stable performance and longevity - we take safety very seriously and are always available for support should your bike develop any mishaps.

This manual contains details of the product and its features, and information on its operation and maintenance. Please read it carefully and familiarise yourself with the e-bike before using it in order to ensure safe use. Be sure to retain this manual as future reference.

Due to the nature of the product, this manual includes many warnings and cautions concerning the safe operation and consequences if safe operation is not performed in respect to operation and maintenance of this product. All information in the manual should be carefully studied and if you have any questions you should contact Pedibal prior to further use.

We cannot anticipate every situation or condition which may occur whilst riding, and therefore we make no representation about the safe use of the bicycle under all conditions. There are risk associated with the use of bicycles which are beyond our control, and are the sole responsibility of the rider. Please note that all content within this manual is subject to change or withdrawal without notice. Pedibal makes every effort to ensure the accuracy of its documentation and assumes no responsibility or liability for any errors or inaccuracies that may appear herein.

The product(s) has been verified on a voluntary basis. The product(s) satisfy the requirements of the Certification Mark of ECM, in reference to the listed standard(s). The Certification Mark can be affixed on the product(s) according to the ECM regulation about its release and its use. Whereas the manufacturer is responsible for the certification of the product(s) they are not expected to perform all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible to maintain efficient internal production control to ensure the product(s) are in compliance with the Certification.



Pre Checks

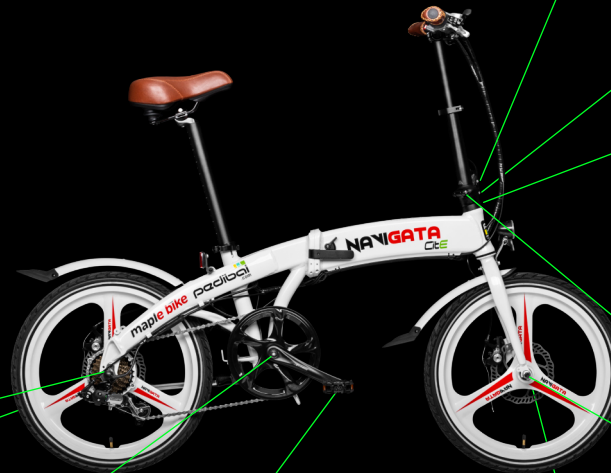
Congratulations on becoming a Pedibal Navigata Owner. Now you have invested in the new E-bike, we just wanted to remind you of a few important points you should consider every time before you take your new e-bike out for a ride.

It has become apparent many of our customers are new to Electric Bicycles. Like any moving vehicle with moving parts fixing points parts subject to moving/vibration. If it is not checked regularly, it can become loose or detached. So we try to impress that it should become second nature to introduce regular checks on a regular basis or prior to every use as a precautionary measure.

- Always wear a helmet when riding
- Check brakes are secured and work sufficiently
- Check tires are inflated correctly
- Check pedals are tight
- Make sure light and reflectors are present/working

Tighten All Screws Before Riding

Check all fixing points are tight and secure and we have highlighted those in the graphic on this page.



Strickly Follow the Warning Sign on The Bike



If you purchased the bike after 20th June 2023, your bike will come with latch installed. Hence you can ignore the installation process.



Handlebar Stem Clamp Safety Counter Measure

As part of our ongoing product development to continue to improve our product offering where appropriate we introduce small 'tweaks' we feel would offer improvement to forward production. Please note this is at no detriment to the original design but is intended as an upgrade to offer improved safety. We have identified with the hinge components/clamps susceptible to continuous 'wear and tear' and with the locality of the handlebar clamp and potential risk implications should any individual fail to secure the clamp sufficiently prior to a ride, with this in mind we have introduced the additional component upgrade to provide extra level of safety during use to provide this upgrade to offer improved confidence in your ride.



Step 1

First open the plastic latch and place over the lower stem / head set and tighten the screw.



Step 2

Slide the safety latch down to the level where it can cover the top part of the locking clamp when manoeuvred into position.



Step 3

Once the locking clamp is locked into position (approximately 5lbs of pressure required) then twist the safety latch into position to cover the clamp.

Other Pre Checks

Devoting a moment before each journey can greatly enhance your safety and overall enjoyment during your ride. Therefore, prior to EACH ride, cultivate a routine of carrying out the subsequent safety assessments:

- Position yourself in front of the electric bike, facing towards the rear, and grasp the front wheel securely between your legs. Attempt to rotate the handlebars, ensuring they remain firm without any movement. Afterwards, lift the bike by pulling the handlebars upwards. The bike should remain stable without any noticeable shifting.
- Exert pressure from side to side on the front wheel, validating its rigidity and stability. By lifting the front wheel using the handlebars, give the wheel a downward tap with your palm's heel to ensure its secure attachment. Proceed to spin the front wheel, verifying that it does not oscillate or brush against the fork or brake pads.
- Examine the seat's stability by attempting to lift or push it downwards while also twisting it. Any movements would indicate it needs tightening.
- Inspect the connection of the pedals to the crank arm. Absence of visible pedal screw threads is expected, and the pedal should be firm and maintain a parallel alignment to the ground.
- Engage your brake(s) to ascertain their solidity upon contact. Next, spin the wheel(s), applying the brakes subsequently. A proper functioning brake system will halt the wheel(s).
- For those bikes fitted with fenders and accessories, ensure they are securely attached without any possibility of touching moving parts. Check the position and condition of all reflectors, ensuring they are not damaged.

Lastly, gear up with your BICYCLE SAFETY HELMET and set off on your enjoyable journey. Your safety is a worthy investment of this moment. Furthermore, please remember to read and comply with all warnings and instructions provided in this manual.





Daily Checks

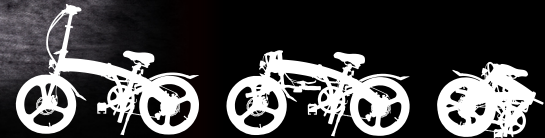
To ensure the safety, make the following functional checks before riding:

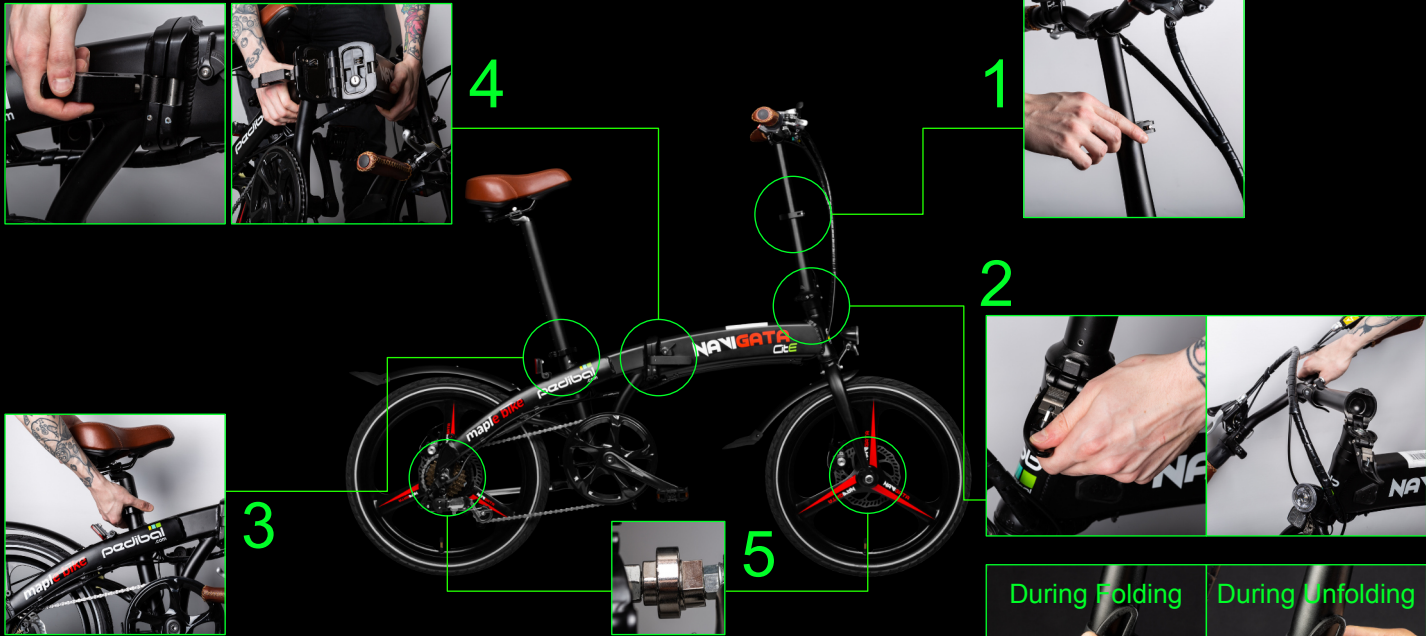
Normal operation of the light, brake and power cut system.

Tire pressure [low pressure will effect range and speed].

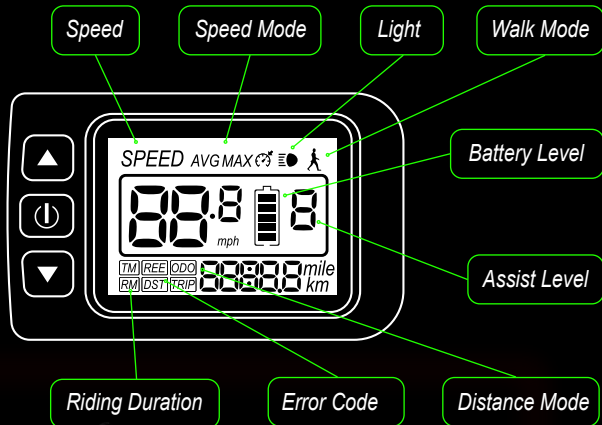
Wheel axle tightness. Battery charging level.

Braking system adjustment and free operation [wheel should spin freely, and brake levers should have minimal travel before engaging the brake].





Please read this manual before you use your Pedibal e-bike. This manual will guide you to use the product correctly to get the most from your ride.



Throttle Control

Twist n Go Throttle, to engage the throttle press the red button located below the gear lever this will enable the Navigata to move independent of any peddling and press again to disengage (if not used before we suggest to familiarise yourself with this function on open ground before use on main carriage way)

Display Operation

ON/OFF

Hold button for a few seconds to turn on the power, and hold button for a few seconds again to turn off the power. When the motor is not in use for a consecutive 5 minutes, it will automatically shut down and turn off the power supply.

Light



Hold button for a few seconds to turn on the integrated headlight (the controller should have headlight drive output function); hold button for a few seconds again to turn off the headlight.

Assist ratio gear



Press or to switch between 5 assist levels (1 being the least assist/power consumption, 5 being the highest assist). The unit defaults to assist 1 when powered on. Assist 0 will not engage the motor.

Walking mode



Hold button until flashes - the bike maintains a maximum speed of 3.7mph. Press and hold button again to cancel this mode. The speed will fluctuate between according to different road conditions and rider's weight. **(Throttle Control must be engaged)**

ERR 008 is the indicator that the "Throttle Control" is OFF. Under this mode the "Cruise control" and "Walking mode" will be turned off as well. To turn on the "Throttle Control", please press the red button.

Speed display



Hold and simultaneously for few seconds to switch between different speed display mode.

- [SPEED] - Current speed
- [AVG] - Average speed
- [MAX] - Max speed

Display mode



Press button in Display mode 1 to enter Display mode 2, 3 and 4.

- Display mode 1 [ODO] - Main display
- Display mode 2 [TRIP] - Trip distance
- Display mode 3 [TM] - Travel time
- Display mode 4 [REE] - Error code

Whilst riding for more than 5 seconds, the unit will automatically switch back to Display 1

Hold button to turn off both the display and the power supply.

Error Code Display



Code	Definition
0	Normal
6	Battery level low
7	Check Motor
8	Check Throttle
9	Check Control
10	UART Error
11	UART Error

Electronic control system failure will display fault code. Once the fault is no longer detected, the fault code display interface will automatically exit.



Charging tips

Recharge the battery after each use (this will not degrade the lifespan of the battery).

The battery does not need to be removed from the bike in order to charge.

Bike needs to be in folded position to remove battery. To remove the battery - turn the key and then pull the battery forwards (towards the folding join of the frame) and upwards carefully until the pack lifts out.

The charger will automatically stop once the battery pack is full.

Always charge in dry conditions and indoors away from direct sunlight.

Check charger cables, charger, and battery for damage before beginning each charge.

With the battery removed

When the battery is removed, do not touch the “+” and “-” contacts, especially with wet hands or metallic objects.

Do not recharge the battery in the inverted position. Doing so would drastically reduce its lifespan.

Place the charger in a flat, secure place, and connect the output plug to the socket on the battery pack.

Connect the mains plug [110V/220V terminal] to a power outlet and the charging will start.

After charging has finished, unplug from the mains [terminal 110V/220V], and then the battery pack.

Charger Information

INPUT: 100-240V ~ 47/63Hz 1.8A

OUTPUT: 42.0V --- 2.0A

You must use the original charger to charge the battery.



When the battery is charging on the bike

Switch off the power via the switch on the battery pack.

Plug the output lead of the charger into the socket of the battery pack.

Plug the mains adapter into a 110/220V power socket to start charging.

After charging, first unplug from the mains outlet and then from the battery pack. NOTE: Always charge your battery at temperatures between 10 and 26 Celsius and ensure the battery is not damaged before charging.

Duration of charging

When properly connected, the indicator light on the charger adapter will turn red.

For the first charge, you should allow 8-10 hours. If the indicator light turns green, it means the battery is doing a trickle-charge to ensure the battery is not over-charged. Normal charging takes between 2-8 hours.

The charger is designed to prevent the battery over-charging, but as a precaution you should not leave the battery charging for more than 24 hours.



If charging with the battery removed

Keep the charger in a safe place, away from children.

Do not use the battery when not fully charged as it will decrease its lifespan.

Always use the original charger. Third-party chargers may damage, or shorten the life of the battery.

The charger works with both 110/220V mains.

The charger does not have any serviceable parts. Please do not open it without permission.

Avoid charger contact with liquids and/or metal objects. Always be sure it is safely stored/placed so that it can not suffer damage from a fall/impact.

When in use, the charger should not be covered, to prevent overheating, damage, or fire.

The charger is only for indoor use. Please keep it in dry and ventilated place.

If you notice a strange smell from the charger or it is too hot, stop charging and contact Pedibai support. Due to risk of damage or injury, do not attempt to use the charger.

Important tips while riding

In order to reduce consumption, increase autonomy, and extend the motor's lifespan, use the pedals during the startups and climbs.

Do not twist the throttle too fast. The vehicle should accelerate slowly, reducing consumption and risk of damage to the electrical system. It's recommended to use the pedals to avoid sudden stops and starts.

The vehicle controller has a charge overload protection. If overloaded, energy supply will be cut automatically and restored when it returns to normal.

While riding, avoid using the throttle as you brake as it may damage the motor.

The maximum load is 120KGs. Exceeding this will cause excess wear and tear.

Important tips when parking

When pushing the e-bike manually, turn off the power to avoid accidental acceleration.

It is recommended to park indoors.

In a public place, the e-bike must be parked in accordance with local traffic rules.

When parking in any situation, do not forget to switch off the power and remove the key.

How to start up the vehicle

Press the battery ON/OFF button and the battery's power LED will display to indicate power capacity.

Hold down the centre button on the head unit until LCD screen turns on.

For options, please check the LCD display manual for details.

Driving Range

Average distance from one charge: 15-25 miles (active state) differs from different batteries. Conditions of testing: wind speed: level 2-3, normal atmosphere temperature: 25 degrees, Load: 90kg, atmospheric pressure: 3.5kg/cm, flat concrete surface; battery: full.



Normal temperature: 25°C. Normal Load. Max speed (15-25mph) miles of journey. Power consumption of one time charge: ≤ 0.5 kw.h. Economical speed: 11mps. Economy speed(6mls) miles of journey. Rated load: 90kg. Dead-load: ≤ 30 kg.

The battery range depends on road conditions, riding style, wind direction, atmospheric temperature, air pressure in the tire and correct use of charging. Please note this during riding.

Data based on 8.7Ah battery. 9.6Ah battery will give 8-10% range boost.



To ensure safe riding conditions you must properly maintain your bike. You should follow the basic guidelines below and see your certified local bike shop seasonally to ensure your bike is safe for using.

Regular self-checks

Tightening and correct operation of both wheels, frame and front fork.

Tire pressure and conditions.

Gearshift correct operation.

Bell and reflectors conditions and correct operation.

Braking system correct operation.

If you do not use the vehicle for long periods of time, charge the battery at least once a month, To avoid reducing its lifespan.

Maintenance and cleaning tips

Do not wash with high pressure jets to prevent water infiltration into the electrical system and bearings.

Dirt on painted surfaces should be removed with a neutral product and wiped off with a dry cloth.

Lubricate any exposed pivot points, hinges etc with suitable bicycle lubricant after washing.

Do not apply lubricant on the brakes, brake levers, rims, tires, battery and controller.

Avoid touching the brake discs as this can cause contamination of the brake pads.

Avoid using aerosol-based oils as these can easily contaminate the discs.

Periodically de-grease the chain, and re-apply chain lubrication to the inside rollers of each link. Wipe off any excess oil from the outside of the chain to help prevent it attracting contaminants.

Recommended torque values for threaded fasteners

	Parts	Torque required (N.M)
1	Handlebar	18 - 20
2	Handlebar-stem	18 - 20
3	Saddle	18 - 20
4	Seat-pillar	18 - 20
5	Front wheel	16 - 25
6	Rear Wheel	25 - 35
7	B.B Parts	35 - 55

Minimum saddle height

To adjust seat height, use quick release lever to free the seat post and pull upwards or push downwards to reach desired height.



Important tips while riding

	Symptoms	Possible causes	Most common solutions
1	It doesn't work	Insufficient battery power Faulty connections Key in wrong position	Charge the battery Clean the connections Turn the key into the correct position
2	Irregular acceleration and/or reduced top speed	Insufficient battery power Loose throttle magneto Damaged throttle spring	Charge the battery Weld and adjust Contact an Authorised Service Center
3	When powered on, the motor doesn't respond	Loose wiring Loose throttle magneto Loose or damaged motor wiring plugs	Repair and/or reconnect Weld and adjust Contact an Authorised Service Center
4	Reduced range	Low tire pressure Low or faulty battery charge Driving with too many hills, braking, departures, and/or excessive load Battery discharged for long period of time, without regular charges, aged or damaged	Adjust the tire pressure Check the connections and/or fully charge the battery Help with the pedals Replace the battery Make a prolonged battery charge
5	The battery won't charge	Charger not well connected Battery cases fuse blown Battery wiring disconnected or with a bad contact	Adjust the connections Replace the fuse Reconnect/repair the wiring
6	Driving wheel makes strange noises	Charger not well connected Battery cases fuse blown	Replace the bearing Adjust/replace the rim

Saving battery power and extending your range

Frequent braking and starting, riding uphill against a strong wind, starting from a standstill and riding on rough or muddy roads, and carrying more than one person, or heavy loads will consume extra battery power and shorten the range. A few tips to prolong the battery life during these condition is as frequently.

Frequent Braking-try to look ahead and coast rather than stop and go frequently.

Riding uphill or against a stiff wind-pedal to supplement the battery power.

When starting from a standstill-use the pedals to help bring you up to speed.

When the battery meter indicators the voltage is low, switch to manual power and avoid using the battery so you don't shorten the battery life.

If the battery is being stored, remove the battery from the bicycle and recharge it every month.

Useful tips

This user manual should be used only to reference use and functions but should not be used as a reference for inspection.

The images shown may differ from the actual model to technical improvements.

We reserve the right to change the model without prior notice due to technical improvements.

The vehicle has a top speed limiter. For safety purposes, its removal is strictly prohibited.

Ensure pre-ride checks are performed before each and every ride.

Only allow others to ride who have already been adequacy trained on the use and operation of this product

General Warning

Like any sport, bicycling involves risk of injury and damage. By choosing to ride a bicycle, you assume the responsibility for that risk, so you need to know - and to practice - the rules of safe and responsible riding and of proper use and maintenance. Proper use and maintenance of your bicycle reduces risk of injury.

Your bicycle is designed for use by persons 16 years old and above. Riders must have the physical coordination, reaction time and mental capability to ride and manage traffic, road conditions, sudden situations and also respect the laws governing bicycle use where they ride, regardless of age.

If you have an impairment or disability such as a visual impairment, hearing impairment, physical impairment, cognitive/language impairment, or a seizure disorder, consult your physician before riding any bicycle.

Note on Helmets

Helmet to meet EN1078 standard. Make sure that you always wears an approved bicycle helmet when riding; but also make sure that you understands that a bicycle helmet is for bicycling only, and must be removed when not riding. A helmet must not be worn while playing, in play areas, on playground equipment, while climbing trees or at any time while not riding a bicycle. Failure to follow this warning could result in serious injury or death. Do not let a child younger than 16 years old ride the bicycle.

Additional Noted for parents

The rider must be 14 Years or over. As a parent or guardian, you are responsible for the activities and safety of your child, and that included making sure that the bicycle is properly fitted to the child; that it is in good repair and safe operating condition; that you and your child have learned and understand the safe operation of the bicycle; and that you and your child have learned, understand and obey not only the applicable local motor vehicle, bicycle and traffic laws, but also the common sense rules of safe and responsible bicycling. As a parent, you should read this manual, as well as review its warnings and the bicycle's functions and operating procedures

Safety notes before first use

Your bicycle comes with additional documents and manuals the manufacturers of the system components. These documents must also be read before using this product.

All users must read this manual before first use.

Ensure that you comprehend with all instruction and safety notes.

Ensure the bikes fits you properly before first use. You may loose control or fall if your bike is too big or too small.

Always wear an approved bicycle helmet while using this product and ensure that the helmet manufacturers instructions for fit and care followed.

Ensure correct tightening and setup is performed on your bicycle before first use and checked regularly.

It is your responsibility to familiarise yourself with laws and requirements for the operation of this product in the area(s) where you ride.

Additional Safety Notes

Ensure handle bar grips are not damaged and improperly installed. Loose or damaged grips can cause you to lose control and fall.

Failure to wear a helmet when riding many result in serious injury or death.

If you are using standard bicycle trailers, stands, or vehicle bicycle racks. Contact Pedibal E-bike to check if your equipment will work with the bicycle.

Off-road riding requires close attention and specific skills and present variable conditions and hazards which accompany the conditions. Wear appropriate safety gear and do not ride alone in remote areas.

Take extra care while riding in wet conditions. Feet or hands can slip in wet conditions and lead to death or serious injury from a fall.

Do not remove front or rear reflectors or the handlebar bell.

Lights should and must be used in addition to reflectors in most locations.

Engaging in extreme riding is extremely dangerous and should be avoided. Although many articles/ advertisements/catalogue depict riders in extreme terrain this not recommended nor permitted and you can be seriously injured or killed if you perform extreme riding.

Bicycles and bicycle parts have strength and integrity limitations and extreme riding should not be performed or you risk damaging the components or becoming seriously injured or killed. -Failure to confirm proper installation, comparability, proper operation, or maintenance of any component or accessory can result in serious injury or death.

After any incident you must consider your bike unsafe to ride until you consult with a certified bicycle service provider for a comprehensive inspection.

Failure to properly charge, store, or use your battery will void the warranty and may cause a hazardous situation.

Extreme care should be taken when using the pedal assistance sensor on this product. Ensure you understand and are prepared for the power assistance to prepare you as soon as peddling is underway.

You should check the operation of the brake inhibitor switches before each ride. The brake system is equipped with an inhibitor which shuts down power to the electric motor whenever the brakes are engaged. Check proper operation slowly while in a controlled environment by riding slowly with the motor engaged and applying the brake levers are engaged.

User must understand the operation of the twist throttle and pedal assist sensors before using, and take care in their usage in respect to traveling at speeds appropriate for usage area and user experience level. Always use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.

Any changes to the product not expressly approve by Pedibal E-bike Company could void warranty and care while riding.

Because electric bikes are heavier and faster than normal bicycles, they require extra caution and care while riding.

To avoid shock never submerge the electrical components in water or subject to salt water environments.

