

**OWNER'S MANUAL
ELECTRIC MOTORCYCLE**



MODEL: EAGLE/NIGHT HAWK

Dear Customer,

Imagine transportation that's easy, efficient, and economical. Imagine never having to stop by to refuel. Imagine never having to worry about maintenance. Imagine no more. Electric Vehicles turn tomorrow's technology into today's reality as it introduces the answer to your modern day travel needs- The Electric Motorcycle. This product has been manufactured with high quality component parts and advance equipment. It features; an electronic ignition, electric motor, protection welded frame, powerful, practical, cheap and convenient, easy charging, and environmentally friendly product. All of these features are combined to produce an excellent and perfect transportation for urban living.

Furthermore, this instruction manual will provide you with detailed information about the correct operation, easy maintenance and adjustment of your Electric Motorcycle. Hopefully, you will be just as happy about our product as we are and that just like us, you will discover that Electric motorcycle is indeed "a cleaner way to travel." Thank you and Congratulations on the ecological and fashionable purchased of your .

ALWAYS WEAR YOUR SAFETY HELMET!

Rider protection has been the focus of much private and public research and development for many years. Although vehicles components is design for protection of the user, accidents could happen and for safety reason helmet is required for each passenger and can only protect you if they are used and worn properly.

Driver and Passenger

- This vehicle is designed to carry only one driver and one passenger. Do not exceed the rated load capacity specified on the specification label.

Road condition

- This vehicle is designed to travel on paved roads.

Read this manual carefully to get a good understanding of the information contained therein.

CAUTION:

This heading reminds you that personal injury or mechanical damage may result if you do not operate per this instructions manual.

NOTE:

You should regard this manual as a permanent component part of your vehicle in order to perform periodic maintenance of your vehicle in a proper way. We suggest having your new vehicle inspected and maintained on a regular basis.

SAFETY PRECAUTION:

It is only the driver that can ensure the safety of travel.

It is our recommendation to first practice and hones your motorbike skills in less congested areas of traffic before embarking on busy streets. Many motorbike accidents are caused by failure of the car driver to see the motorbike. Therefore, the motorbike driver should make him self as visible as possible. Here are the lists of recommended examples:

- Wearing colourful and eye-catching clothing
- Avoid surrounding vehicles blind spots
- Driving with mental alertness
- Most motorbikes accident happens at; intersection of roads, entrances to parking lots and on the highways. Therefore, please be extremely careful when driving in these areas.
- High- speed driving is yet another major cause for motorcycle accidents. Always observe the speed limit and never drive in excess of it. Most motorbike accidents were caused by inexperienced drivers. For beginners please observe and be extremely cautious, while driving the vehicles.
- Familiarize yourself with the performance of the vehicles before driving on a heavily congested road and never lend your vehicle to anyone who lacks driving experience.
- As most serious motorbike accidents cause injuries to the drivers head, it's a must that driver use protective gear such as; helmet and protective glasses
- DO NOT DRIVE on an expressway. The Electric Motorcycle reaches speeds of up to 60 kph; it was not created for expressway driving.
- Do not drive on rugged roads, as rough surface may lead to a driver's loss of control over the vehicles and cause damage to possibly both himself and the vehicle's structure.

Always remember to signal before turning or lane changing.

THINGS TO REMEMBER BEFORE RIDING:

1. Check the pressure of the tire, circuit system, and brake function to ensure security and safe driving.
2. To start, insert key into the power switch, turn to "ON" (to open) the indicator light of electric motorbike will show that the power has already been put on. To run, slowly rotate the hand grip. Rotation angle of hand grip will make the vehicle move slowly at the same time. * to ensure safety- remember that speed of vehicle will depends on rotation of the hand grip, its is advice to start slowly*
3. While this vehicle can be use in a rainy day, it is strongly advice to ensure that the flood won't reach the controller to avoid damaging the electric components located under the bike seat.
4. Avoid leaving the vehicle on a high temperature or directly under the sun to avoid damage to electric components and shorten the service life.

5. Rider should ensure to turn to "OFF" switch when parking to prevent/ cause of accident.
6. Do not park/ store the vehicle in an air moist and corrosion gas place to avoid decomposition of metal parts.

INSPECTION BEFORE OPERATION:

Before you operate the vehicle each day, be sure to check it as a routine. Make sure that the tire pressure is between the appropriate ranges, the battery gauge is at a functional level, the lights are operating properly, and the mirrors and handlebars are in good working order. This job is important to keeping the vehicle in good performance and ensuring safe operation.

Operation & Maintenance Instruction of Main Components

A. Motor

1. If the motor breakdown, do not dismantle by yourself. Immediately send to license electrician or maintenance department of agents located in your area for check up or overhaul.
2. If by accident the motor is soak in the water or flood do not dismantle and immediately send to license electrician or maintenance department of dealer located in your area for check up or overhaul.

B.CONTROLLER

- 1.If the controllers break down do not dismantle by yourself.
Immediately send to license electrician or maintenance department of dealer located in your area for check up or overhaul.

C.Battery Maintenance

- Keep the battery mounted securely.
- Keep the battery clean and dry.
- Keep the terminals and connections clean and tight.
- When the battery is in storage or charge, keep away from flame, high temperature, gas, and keep far away from children.

NOTE: Batteries contains toxic material. Used batteries can be hazardous t.* Do not dispose of battery with house hold waste. Use locally authorized automotive waste disposal facilities only.

- Charge the battery regularly even when it's not in use as part of battery maintenance, otherwise it will shorten the service life of the battery.

It is recommended that after 6 months of use battery should be injected with battery solution, to maintain service life of the battery.

D.CHARGER:

- Charger is design for a special purpose only and should only be use for charging your vehicles, according to its operation instructions for charging.
- Turn off the main switch while charging the vehicles; do not cover the charger to avoid overheating.

NOTE: Power outlets are designed for accessories plug only.Do not hang any type of accessory or accessory bracket from the plug. Improper use of the power outlet can cause damage not covered by your warranty

RECHARGING:

- Pay attention for using electricity to ensure safety while charging; first, insert the out put plug of the charger into the socket and then insert the power plug of the charger into the power input socket. When charging is over, first pull out the power input plug and then pull out the out plug of the charger from battery socket.

CAUTION:

Take extreme care when recharging your battery. Be sure to practice the correct procedure when plugging into wall or floor outlets. Please notice if your outlet is stripped or dangerous in any way before plugging your scooter into the socket.

When charging, please turn on batteries switches under the seat compartment to the “on” position. Note: We strongly recommend on not draining the battery to empty, although if you do, please recharge the battery for at least 12 hours before its next usage. Your battery should be checked every 6 months. After 1 year of usage there will be a 10% decrease on the distance it will be able to support.



Battery gauge

The battery gauge indicates the approximate amount of energy remaining in the battery. When the needle pointer stays in the F (full) position, it means the total capacity of the battery life is now at maximum level. When the needle pointer approaches the first dot of the red mark, it means that the battery must be recharged immediately.

BATTERY LEVEL:

For accurate battery readings, look to the battery gauge when the vehicle is in operation, not while at rest. DO NOT trust a reading when the scooter is not in motion.

CAUTION: Adding some electrical equipment to your vehicles can damage it or keep other things from working as they should. This wouldn't be covered by your warranty. Check with your dealer before adding electrical equipment and never use anything that exceeds the amperage rating.

Location of Component parts:



(Note: the photo above is just for explanation for the name of the detailed parts, which may not be the same as real object.

Meter Panel and Indicators:

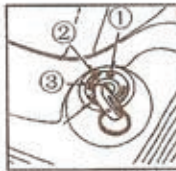
All the controls for the indicators and warning lights are located on the meter panel. Their functions are described in detail in the following pages.

- ① Left turn signal indicator
- ② Odometer
- ③ High beam indicator
- ④ Right turn signal indicator
- ⑤ Speedometer
- ⑥ Battery gauge



Turning on the motorcycle:

Put key into the ignition switch and turn till you reach the "ON" or "START" position; your battery has then been turned on.



Guide to Operation

Ignition Switch

- ① ON position: Turn the switch to this position to start the motor; the switch key can not be pulled out in this position.
- ② OFF position: Turn the switch to this position to shut Down the motor; the switch key can be pulled out in this position.
- ③ LOCK position: Turn the switch and the handlebar all the way to the left. Push down the key and turn it to the LOCK position; the key can be pulled out. In this case, the vehicle cannot be steered and the engine as well as the lighting system will not work.

Headlight beam switch ①

Push the "☰" button for high beam and the "☷" button for low beam.

Turn signal light switch ②

To indicate a left turn, set this switch "◁" and to indicate a right turn set this switch "▷", to turn off the signal lights put them back to their original positions.

Horn button ③ Push this button to engage the horn.

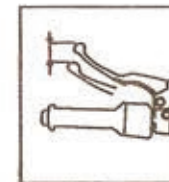
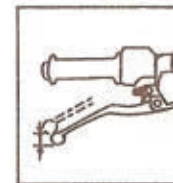
Headlight switch

"☀" Position: When this switch is set to this position, the headlight and taillight are activated.



OFF Position: When the switch is set to this position (In Gray dot mark), the headlight, taillight and meter light are deactivated.

BRAKES:



Using other similar parts of poor quality will degrade the operability of your vehicle.

Adjusting the front brake:

Check the brake for normal performance and adjust its free play. The free play refers to the distance for which the front brake lever travels freely to achieve the braking effect.

Required free play: 5 to 10mm

Adjusting the rear brake:

Measure the travelling distance of the rear brake lever before the brake begins to create the braking effect, which should be within 10 to 20 mm from the top end of the brake lever.

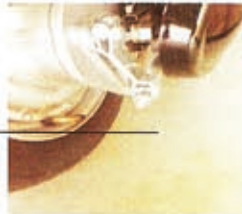
Maintaining the brakes

Replace the brake shoe and lining when it is found worn down to the limit.

NOTE: Leave the maintenance of the brakes in a nearest service center.

Adjusting the Tightness of the Brakes:

- * Twist this knob to the right until you have reached the sufficient level of tightness for your brakes.
- * Twist this knob to the left to loosen the level of tightness in your breaks.



NOTE: The throttle does NOT work when the brakes are depressed.

Checking the tire pressure:

Check the tires for correct inflation pressure.

Normal tire pressure

Front wheel: 35psi Rear wheel: 35psi

Check the tire surface for cuts, nails or other sharp objects and the wheel rim for impressions, dents or deformations. If damage of any degree is found with the tire, send your vehicle to the nearby service

Center for repair, replacement and adjustment of balance between the two wheels.

CAUTION:

If the tire is not inflated to the specified pressure, it will wear out soon and give rise to accidents. Too low a tire pressure will cause the tire to slip or come off the wheel rim.

It is dangerous to use worn tires as this will decrease the traction of the tire to the road surface and make operation difficult and hazardous. Replace the tire if the depth of the tread in the middle of the tire falls within the following range.

Minimum tread depth	
Front Tire	1.5mm(0.06in)
Rear Tire	2.0mm(0.08in)



Maintenance Schedule

Maintenance should be intensified if the vehicle is used in an unfavourable way for a long period of time. An overhauled or crashed motorbike must be sent to a service Center to have the major parts carefully checked, such as the frame, suspension and steering mechanism, to see if they are mismatched or damaged so as to ensure safe operation. The parts need to be maintained every year, whereas the battery should be either serviced or replaced every 1 year by a service center.

CAUTION: To keep the vehicle safe and reliable, do not try to modify the vehicle in any way. In repair or maintenance, always replace the damaged parts with ones provided by the original manufacturer or ones of similar quality.

WARNING: To ensure personal safety, be sure to shut down the motor first and place the vehicle on a flat surface and prop it up securely with the center stand before performing maintenance at whatever levels.

NOTE: If the vehicle is to be stored for more than one month or to be used in winter, it is recommended to turn the battery switch "off" to maximize battery life.

PROPER USE OF THE CENTER-STANDS:

Center-Stand:

To prop up the vehicle onto its rear wheel, use the central-stand. Stand behind the vehicle and lift it up towards you by its handlebars. However, we strongly recommend that you do not use this center-stand very often as the vehicle is very heavy and it could lead to possible injury, while attempting to bring it up.

Side-Stand:

Located on the bottom of the bike; props the vehicle into a leaning position. The rider must kick down the stand, much in the same fashion as a bicycle side-stand.

Guide to proper storage of vehicle:

To store the vehicle for a long period of time such as in winter several procedures should be used to prevent malfunction or damage of vehicle parts during this long break. Furthermore, if the scooter has not been in use for 1 month, please charge the battery until it shows full.

What to do when putting the vehicle back to use:

1. Remove the dust cover and clean the vehicle. If the scooter has not been in use for 1 month, you must charge the battery for at least 12 hours every month to avoid a dead battery that must be replaced.
2. Perform all the pre-operation checks and drive the vehicle slowly in an area free from busy traffic to ensure safety.
(See also the part "Inspection before Operation")

SPECIFICATION:

Model: Eagle

- *Dimension (mm): 1860□580□1100
- *Wheelbase: 1200mm
- *Drive wheel: Rear wheel drive
- *Tire spec: 17.x2.75
- *Dry Weight (included battery):85kg
- *Loading capacity: 120kg
- *Max. Speed: 50-60km/h.
- *Distance: 60-80km

Battery major specification:

- *Battery type: Lead-Acid (Pb Acid)
(5x 12V/ 20Ah)
- *Rated voltage: 60V
- *Volume: 20Ah

Motor major specification

- *Motor: Non-brush DC motor
- *Rated output power: 1000W
- *Rated voltage: 60V
- *Rated rotation speed: 1450r/min

Charger major specification

- *Voltage-protective value: 60V
- *Charger type: Electron brainpower