

OWNER'S MANUAL

2025 VENOM STRIKE



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VENOM EV

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THANK YOU FOR PURCHASING OUR PRODUCTS!

For the best use, to improve your experience, and to maintain the longevity of your cart, please read the operating instructions thoroughly.

Please contact us or your authorized dealership with any questions.

This manual contains important information that you will need for the proper operation and handling of your Venom EV cart.

Venom EV is not liable for errors in this manual or for incidental or consequential damages that result from the use of the material in this manual. In order to ensure all the information is correct, there may be changes to make - according to improvements of our products at the time of printing. We reserve the rights to make corrections as well as product alterations and improvements - at any time without notice. Any trademarks are the property of Venom EV or their respective vehicle owners.

Read this owner's manual before starting your new Venom EV Strike. It contains important information on the operation of your vehicle.



Lifted 6-Passenger, White

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CODE OF SAFETY PRACTICES

IMPORTANT SAFETY INFORMATION

The driver must fully understand the technical performance, control mechanism and operating procedures of the vehicle, and abide by the following codes of safety practice:

Observe these NOTICES, CAUTIONS, WARNINGS, and DANGERS; to be aware that servicing a vehicle requires mechanical skill and a regard for conditions that could be hazardous. Improper service or repair may damage the vehicle or render it unsafe. This may also cause your warranty to be void.

Replace missing, damaged, or unreadable safety decals immediately to prevent possible property damage, personal injury, or death. Purchase replacement safety decals from your dealer.

Know and understand the laws and regulations for vehicle operations in your area. For any questions on material contained in this manual, contact an authorized representative for clarification.

- The driver must fully understand the technical performance, control mechanism, and operating procedures of the vehicle and abide by all codes of safety practices.
- Operate your vehicle responsibly and keep the vehicle in safe condition of operation.
- The driver must keep both hands on the steering wheel and both feet on the floor or pedals.
- Inspect the vehicle before each use to make sure it is in safe operating condition. Perform the daily inspection described in this manual.
- Always have the vehicle checked by an authorized dealer if it is involved in an accident.
- Remove the key when the vehicle is not in use to prevent accidental starting or unauthorized use.
- Drive the vehicle at appropriate speeds for the terrain and conditions. Be aware of environmental conditions that change the terrain and your ability to control the vehicle.
- Do not drive on excessively steep hills. Evaluate the terrain before descending a hill. Drive slowly and deliberately. Use the brake to limit speed and maintain control. Sudden braking or turning can cause loss of vehicle control. Drive straight up or down the hill; do not drive across the hill.
- Operate only in approved areas. Follow all applicable safety rules for the area.



READ ALL THE SAFETY STATEMENTS CAREFULLY BEFORE ATTEMPTING ANY PROCEDURES.

⚠️ WARNING ⚠️

IMPROPER USE OF THIS VEHICLE CAN RESULT IN SEVERE INJURY OR DEATH.

BE PREPARED

- Fasten seat belts.
- **ALWAYS WEAR APPROPRIATE HELMET AND PROTECTIVE GEAR.**
- Each rider must be able to sit back against the seat.
- Keep feet flat on the floor (and foot rests), and both hands on the steering wheel or handrails (where equipped).
- Stay completely inside the vehicle.

DRIVE RESPONSIBLY

- Avoid loss of control and rollovers.
- Avoid abrupt maneuvers, sideways sliding, skidding, or fishtailing, and never do donuts.
- Slow down before entering a turn.
- Plan for hills, rough terrain, ruts and other changes in traction and terrain. Avoid paved surfaces.
- Avoid side hilling (riding across slopes).

BE SURE RIDERS PAY ATTENTION AND PLAN AHEAD IF YOU THINK THE VEHICLE MAY TIP OR ROLL, REDUCE YOUR RISK OF INJURY:

- Keep a firm grip on the steering wheel or handrails and brace your self
- Do not put any part of your body outside the vehicle for any reason.

REQUIRE PROPER USE OF THE VEHICLE. DO YOUR PART TO PREVENT INJURIES:

- Do not allow careless or reckless driving.
- Make sure operators are at least 16 years old and have a valid drivers license.
- **NEVER LET PEOPLE DRIVE OR RIDE AFTER USING DRUGS OR ALCOHOL.**
- **DO NOT ALLOW OPERATION ON PUBLIC ROADS** (unless designated for off-highway vehicle access). Collisions with cars and trucks can occur.
- Do not exceed seating capacity.

Locate and Read Owners Manual. Follow All Instructions and Warnings

⚠️ WARNING ⚠️

- Charge the battery every month
- Charge the battery after use
- Stop charging batteries when the charging indication light becomes green
- Charge should not exceed 10 hours

⚠️ WARNING ⚠️

Improper tire pressure can cause this vehicle to be difficult to control, resulting in serious personal injury or death.

Always keep tire pressure within the specified range.

TIRE PRESSURE

ALL Wheels: 27psi(186kpa)

⚠️ WARNING ⚠️

The protective frame cannot protect the occupants in all accidents, including rollover.

Failure to operate the vehicle as instructed can cause collision, loss of control or roll over, resulting in severe injury or death.

Follow all safety warnings or labels in this owner manual.

All operators must read, understand, and comply with these warnings and labels before operating the vehicles.

Follow the safety information and operating procedures described.



Please know where you are allowed to operate your cart.



Do not overload the cart while driving, so as to avoid potential safety hazards like reduced brake performance.



Unqualified personnel or under-aged drivers are not allowed to drive the vehicle.



Please drive within the suggested slope range.

SAFETY INSTRUCTIONS



Disassembly without training or authorization is not advised. Not only is it dangerous, but it could potentially void your warranty.



Do not park or drive near any extreme heat source



It is not advised to short-circuit the positive and negative poles.



Keep away from flammable and explosive objects



Beware of high voltage electric shock



Reach out to your authorized dealership for information about disposing of any parts on your cart.

ENVIRONMENTAL PROTECTION

The disposal and protection regulations of the country, region, or state of which the product is being used, should be adhered to.

The waste parts and components should be turned over to a state-approved business to recycle and dispose of them.

DANGER!

OPERATING THE VEHICLE WHILE OCCUPANTS ARE NOT FULLY SEATED CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH. START THE VEHICLE ONLY WHEN ALL OCCUPANTS ARE FULLY SEATED.

FALLING OBJECTS CAN CAUSE PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH.

DO NOT OPERATE THE VEHICLE WHERE THERE IS A RISK OF FALLING OBJECTS.

DO NOT LET PASSENGERS RIDE IN THE VEHICLE OR TRAILER BEING TOWED.

WARNING!

KEEP AWAY FROM DROP-OFFS, STEEP SLOPES, AND UNSTABLE SURFACES.

SUDDEN STARTS, STOPS, AND TURNS CAN CAUSE PROPERTY DAMAGE AND SERIOUS PERSONAL INJURY.

FAILURE TO CORRECTLY MAINTAIN THE VEHICLE AND MAKE NECESSARY REPAIRS CAN DECREASE VEHICLE PERFORMANCE, CAUSE A FIRE, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH.

IF PROBLEMS ARE FOUND DURING SCHEDULED INSPECTION OR SERVICE, OPERATE THE VEHICLE ONLY WHEN REPAIRS ARE MADE.

MAKE SURE THAT ALL PASSENGERS CAN SECURE THEMSELVES IN THE VEHICLE BEFORE VEHICLE OPERATION.

TO PREVENT SERIOUS PERSONAL INJURY, KEEP ENTIRE BODY IN THE VEHICLE DURING OPERATION.

THE VEHICLE IS NOT SPECIALLY EQUIPPED FOR HANDICAPPED PERSONS.

BEFORE VEHICLE OPERATION, MAKE SURE THAT ALL PERSONS COMPLY WITH THE WARNINGS AND OPERATING INSTRUCTIONS.

INCORRECT OPERATION OF THE VEHICLE CAN CAUSE DECREASED VEHICLE PERFORMANCE, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH.

TO PREVENT FALLS FROM THE VEHICLE, PASSENGERS MUST STAY SEATED AND ALWAYS HOLD ON TO HAND HOLDS OR HANDRAILS AND WEAR SEAT BELTS WHEN THE VEHICLE IS IN OPERATION.

THE DRIVER MUST KEEP BOTH HANDS ON THE STEERING WHEEL WHEN THE VEHICLE IS IN OPERATION.

A SHARP TURN AT HIGH SPEEDS CAN CAUSE A ROLL-OVER, FALL, PROPERTY DAMAGE, AND SERIOUS PERSONAL INJURY. OPERATE THE VEHICLE SLOWLY IN TURNS.

UNINTENDED VEHICLE OPERATION CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH.

BEFORE LEAVING THE VEHICLE OR DURING VEHICLE MAINTENANCE, DISABLE THE VEHICLE.

THE VEHICLE IS NOT DESIGNED TO MEET CHILD SAFETY SEAT COMPATIBILITY REQUIREMENTS. CHILDREN REQUIRING A CHILD SAFETY SEAT MUST NOT RIDE ON THE VEHICLE.

COMPLY WITH STATE AND LOCAL LAWS PERTAINING CHILD SAFETY.

GEN2 LITHIUM BATTERIES

MODELS COVERED



38.4V 105Ah
A-038105-04



51.2V 105Ah
A-051105-03



51.2V 72Ah
A-051072-05



51.2V 160Ah
A-051160-06



51.2V 105Ah
A-051105-01



70.4V 105Ah
A-070105-06

READ BEFORE YOU INSTALL

WARNING!

- ⚡ High Voltage. DO NOT install or service this battery unless you are properly trained.
- ⚡ Use only with components that have the same voltage and current rating as the battery.
- DO NOT touch or connect to the terminals unless the battery is manually turned off.
- DO NOT open or attempt to service the battery, there are no user serviceable parts inside.

USE & CARE

- Charge the battery daily to ensure it is always fully charged and ready to use.
- Batteries will not charge if the internal battery temperature falls below 34F.
- DO NOT pressure wash, submerge, or use chemical agents to clean your battery.
- Clean the battery using a damp cloth that does not include chemical agents.

BATTERY COMPONENTS



STATE OF CHARGE METER (SOC METER)

BATTERY VOLTAGE

The voltage will vary based on the current load or charge placed on the battery.

STATE OF CHARGE

The state of charge is displayed in percent. 0% = empty | 100% = full

BATTERY CURRENT

Discharge current (in amps) is displayed as a negative number. Charging current (in amps) is displayed as a positive number.

METER CALIBRATION

The Eco Battery SOC meter does not require calibration by the end user. The SOC meter performs a self-calibration at the end of each full charge cycle and periodically during rest periods. Accuracy is $\pm 5\%$.

Due to lithium's at voltage curve, SOC % is the most accurate method for monitoring a lithium batteries state of charge. Please monitor the SOC % rather than battery voltage when determining when to charge.

Avoid running the battery completely dead. Although the BMS protects against detrimental discharge, it is not advised to run your battery below 20%. When driving your cart, be aware of your state of charge, just as you would monitor your vehicle's fuel gauge. The further you are from a charging location, the more battery you should reserve.

Your meter may be programmed with a sleep timer that will darken the meter after a few hours of inactivity. To wake the meter, the battery needs to see current in or out of it. Driving your cart a few feet, connecting the charger, or cycling the power button will awaken the meter.

Some Gen2 gauges are programmed to display DTCs (Diagnostic Trouble Codes) if a battery fault has been detected. These faults can vary in severity depending on the situation. SEE PAGE 7 FOR TROUBLE CODES.

If a trouble code appears on your meter, please record the trouble code and contact your dealer to discuss the code and, if necessary, take any actions required to correct it.

CAN LCD Meter



POWER BUTTON

The power button controls flow of power in and out of the battery. It functions as a safety device to allow for safe handling of the battery during installation and maintenance. It also serves as a way to completely disconnect the battery during storage to prevent unnecessary discharge over extended periods.

To power on the battery, press and release the power button until the green light illuminates. To power on the battery, press and release the power button until the green light turns off. If the battery is not charged or driven for an extended period of time, the battery will automatically power off to conserve power.



Power Button

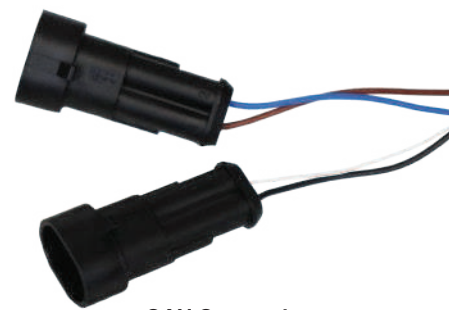
The power button does not need to be turned off with each use. It is recommended to leave the power button on and the battery charger connected if the cart will be used within 15 days. If the cart will be unused for longer than 15 days, fully charge the battery, disconnect the charger AC power cord, and turn the battery off.

The power button **MUST** be turned on to charge or discharge the battery.

CAN CONNECTORS

The two connectors located on your meter cable are CAN communication ports used for diagnostics or communicating with a charger or motor controller.

Some battery chargers are CAN enabled and will have a male CAN plug to connect to either one of the two CAN ports. If your charger is CAN enabled, the charger will **NOT** charge unless CAN is connected.



CAN Connectors

If your motor controller is CAN enabled and compatible with the Eco Battery CAN protocol, connect the CAN connector from the controller into either of the CAN ports on the meter cable.

CHARGER

Use only genuine Eco Battery lithium chargers, or a lithium charger specially approved by Eco Battery. This will ensure optimal charging and extend the battery's service life.

DO NOT USE UNAPPROVED BATTERY CHARGERS OR TENDERS.

DO NOT CONNECT DC OUTPUT CABLES TO BATTERY WITH REVERSE POLARITY. Doing so will cause irreversible damage and is not covered under warranty.



Battery Charger

CHARGING INSTRUCTIONS

- 1 Connect the DC output ring terminals to the battery terminals
- 2 Connect AC input to AC power
- 3 Charger LED will blink red when charging and will be a solid green when complete

Battery must be powered on with the power button illuminated to accept a charge.

CHARGE TIME

The charge time can be calculated by the formula below:

Ah Capacity of Battery / Charging Amps of Charger

Example : 105Ah Battery / 15A Charger = 7 hours

(Assuming the battery is fully depleted)

The Eco Battery charger is not a battery maintainer, and will not hold the battery at 100% after a charge. If left plugged in, the battery must drop below a pre-set voltage before a new charge cycle can begin. It is normal for the state of charge to drop as low as 90% before the charger begins a new cycle, but it will not allow the battery to be completely discharged while plugged in.

It is a common misconception that lithium batteries develop a “memory” while charging and that they need to be completely discharged and charged with each use. This is not the case with Eco Battery lithium batteries. Charging every night will not harm the battery and will ensure that you are always topped off and ready for your next adventure. Topping off or partially charging to extend range is perfectly acceptable.

All Eco Battery chargers are capable of accepting AC input of 100 – 250 VAC, single phase, 50 or 60 htz

Recommended extension cord lengths:

Up to 15' = 12 -14 AWG

10 to 25' = 10 -12 AWG

>25' = not recommended



CAN Connectors
from Charger

POWER SAVE MODE

If your battery was built after 08/01/2022 (or has updated firmware) it will be programmed to enter Power Save Mode after extended periods of inactivity. Power Save Mode will ensure that your battery will not be fully depleted in the event that your cart sits for an extended time. The time that must elapse before Power Save Mode will be activated is dependent on SOC (see below). When Power Save is active, the battery will be completely powered off (no charge or discharge) and the meter and power button will turn off. To exit Power Save Mode, cycle the power button.

When in Power Save Mode, the green LED on the power button will not be illuminated, even if the power button is in the on position. To wake the battery from Power Save Mode, turn the battery's power button off, then back on.

If your battery has gone to sleep on its own, we suggest fully charging it before using it again.

When % =	Power Save
0% - 20%	24 hours
21% - 100%	7 days

STORAGE

It is always good practice to remove the key to your golf cart when not in use.

For long term storage, fully charge the battery, unplug the AC power source to the charger, and turn off the power button

After long term storage, it is advised to fully charge the battery before use, regardless of SOC displayed. During long term storage, the calibrated SOC may drift, and must be fully charged to re-calibrate.

We recommend charging your battery every 6 months.

If your golf cart will be stored below -20°F, remove the battery from the cart and store in ambient temperature above -20°F. Also, keep in mind, while the battery will still function between -20°F and 32°F, the battery will not take a charge below 32°F. (See Cold Weather pg 6)

***Do not use third party battery chargers or tenders. Use of any non-Eco Battery charger will void the warranty of your battery**

CLEANING

Be mindful that there are sensitive electronics in your battery when cleaning your golf cart.

Although your lithium battery is well sealed, DO NOT CLEAN BY PRESSURE WASHING. Pressure washing can lead to premature damage to the lid seal of the battery, and is not covered under the warranty policy.

The recommended procedure for cleaning your battery is blowing it off with a leaf blower, or wiping it off with a clean damp cloth.

NEVER USE CHEMICALS OF ANY SORT TO CLEAN YOUR BATTERY.

COLD WEATHER

Your battery is equipped with a temperature sensor that will shut it down in temperatures below -20°F. This feature protects the battery from cell damage caused by excessively low operating temperatures.

While your battery will discharge down to -20°F, it will not accept any type of charge below 32°F. This includes plug in charging as well as regenerative charging from your carts motor controller.

It is not recommend to drive a golf cart equipped with regenerative charging/braking systems when the overnight low temperature is under 32°F. Doing so may cause the battery to enter self-protection mode and can lead to braking system faults on certain carts.

It is important to note that the above temperatures are in reference to the core battery temperature and not the ambient air temperature. Your actual core battery temperature could be drastically different from the ambient air temperature as the battery will increase and decrease in temperature at a much slower rate than ambient air temperature.

As with all batteries, you may notice a decrease in performance and range in colder temperatures. This is normal and expected. Some decreases in performance may include shorter run times, slightly slower acceleration, and larger than normal voltage drops.



GEN 2 BMS ERROR CODES

CODE	ERROR DESCRIPTION	LEVEL
E01	MOS Error	1
E02	External Short Circuit	1
E03	Cell Differential	1
E04	Cell Over Voltage	2
E05	Cell Under Voltage	2
E06	Pack Over Voltage	2
E07	Pack Under Voltage	2
E08	Discharge Over Current	3
E09	Charge Over Current	3
E10	Discharge Temp High	3
E11	Charge Temp High	3
E12	Charge Temp Low	3
E13	Discharge Temp Low	3
E14	MOS Temp High	3
E15	SOC Low	3
E16	External Communication Error	1
E17	Internal Communication Error	1

Level 1 =

Serious Fault.
Will not self-resolve.
Contact Eco Battery

Level 2 =

Major Fault.
Will self-resolve if
conditions allow

Level 3 =

Minor Fault.
Will self-resolve if
conditions allow

TECHNICAL PARAMETERS

THE HEART OF OUR CART:

52 V (FJ controller)

105 Ah Lithium Battery

KDS motor(5 kW)

Max Sale Speed: 25 Mph

Vehicle-Load Charger: 52 V

Dash includes phone charging port



SIZE MATTERS

2-Passenger	4-Passenger	6-Passenger
Length: 98"	Length: 119"	Length: 144"
Width Lifted: 51"	Width Lifted: 51"	Width Lifted: 51"
Height Lifted: 81"	Height Lifted: 81"	Height Lifted: 81"
Tire Size: 22x10-14	Tire Size: 22x10-14	Tire Size: 22x10-14
Width Non-Lifted: 51"	Width Non-Lifted: 51"	Width Non-Lifted: 51"
Height Non-Lifted: 76.5"	Height Non-Lifted: 76.5"	Height Non-Lifted: 76.5"
Tire Size: 215/35-14	Tire Size: 215/35-14	Tire Size: 215/35-14
Minimum Turning Radius: 139.79"	Minimum Turning Radius: 165.35"	Minimum Turning Radius: 204.72"
Maximum Gradeability: 20%	Maximum Gradeability: 15%	Maximum Gradeability: 15%
Minimum Ground Clearance: 6.25"	Minimum Ground Clearance: 6.25"	Minimum Ground Clearance: 6.25"

CONTROL MECHANISM



Steering Wheel



Instrument Cluster



Forward & Reverse Switch



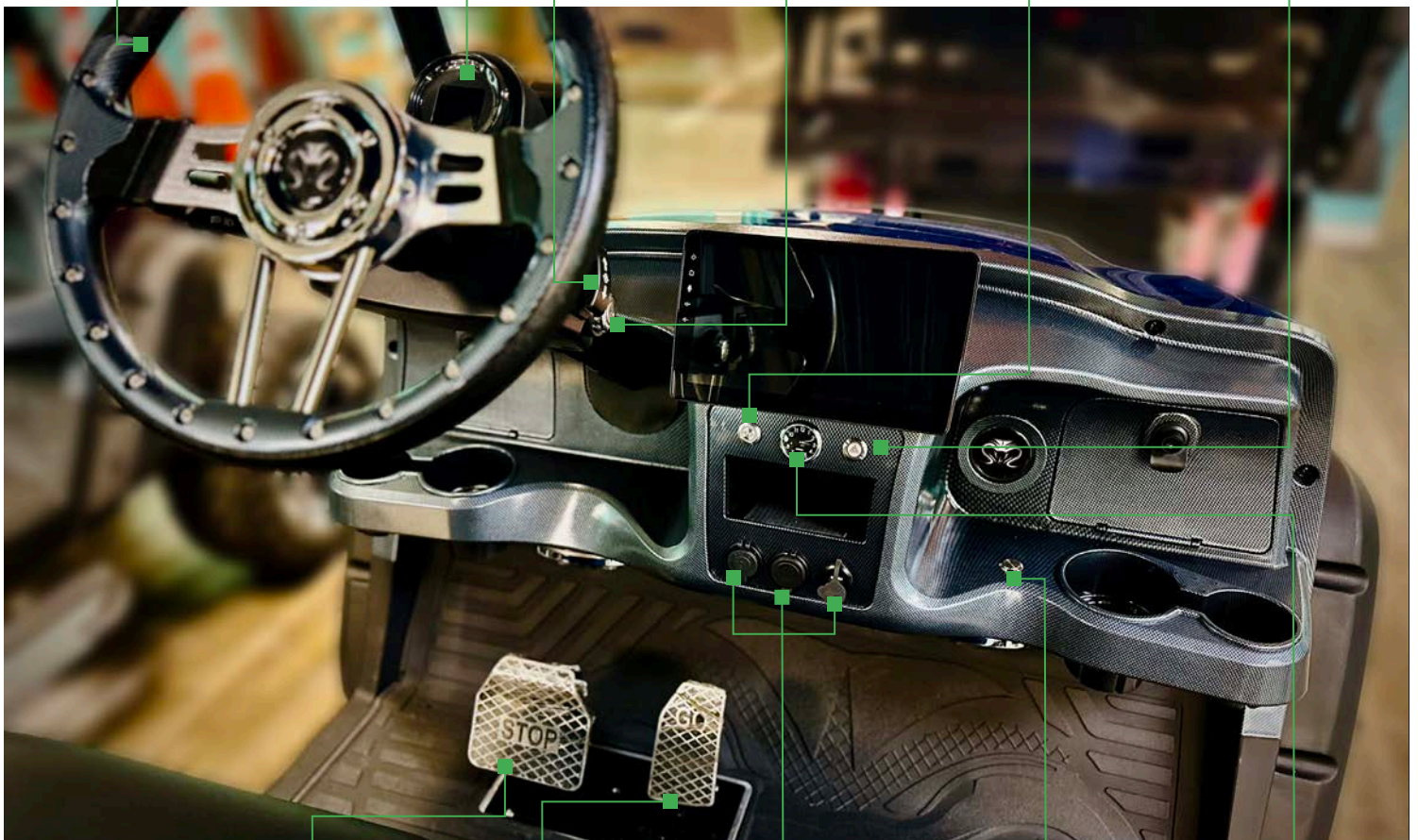
Ignition Switch



Vehicle Power Switch



Hazard Lights



Brake Pedal



Accelerator Pedal



12V, USB & PD (Type C) Ports



Party Pack Light On/Off Switch



Analog Glowing Clock

OPERATING PROCEDURES

PRE-OPERATION SAFETY & PERFORMANCE INSPECTION

Use the pre-operation checklist to inspect the operational conditions and performance of the vehicle. If bad operational conditions are found on a vehicle, stop operations. Removal from operation can prevent further damage to the vehicle or serious injuries. If the vehicle is not in an inoperable condition, reach out to your dealer for possible maintenance or repairs.

PRE-OPERATION CHECKLIST	
INSPECTION ITEMS	INSPECTION PROCEDURES
Battery	Before initially using vehicle, the batteries should be fully charged.
Brake	Check the brake pedal. When it is stepped on, it should be flexible and feel firm. It should return to its original position with flexibility when released.
Accelerator Pedal	Check the accelerator pedal. When it is stepped on and released, it should return to its original position with full flexibility
Tires	Check the tires' pressure. Pressure should be around 20 psi. Check the tires' surface, remove any embedded objects you can find. Be sure there are no cracks or other damage to the tires. Defective tires may cause an accident while driving.
Steering	Pull the steering wheel up and down, check the tightness of steering wheel. Rotate the steering wheel right and left. Be sure no excessive free play is felt or rattling heard.
Reverse Warning Beeper	Check the reverse beeper, when the direction selecting switch is toggled downward, the reverse gear is engaged, and a beep should be heard.
Lights	Check the signal lights, the brake lights, and turning lights should be in proper working condition.



Always check your surroundings prior to starting your cart as well as before moving.

POWER-ON PROCEDURES

- 1 Press the Vehicle Power Button
- 2 Turn the key in the ignition switch away from the driver
- 3 Check your surroundings and press the forward or reverse switch
- 4 Release the parking brake by lightly pressing the accelerator pedal and slowly press the accelerator pedal and the vehicle will move

POWER-OFF PROCEDURES

- 1 Turn the vehicle key into the off position
- 2 You can eject the power button, located on the dash of your cart. Turning the power button off will disconnect the relay switch, and your cart will not operate until the power button is inserted again.

The forward and backward switch must be in neutral position (not in forward or reverse), otherwise the vehicle will not be able to move.

If you step on the accelerator pedal first and then engage the Ignition Switch, the vehicle will not move. You must release the brake pedal, and then step on the accelerator pedal again before the vehicle is able to move.

Failure to operate the vehicle as instructed can cause collision, loss of control or roll over, resulting in severe injury or death. Follow all safety warnings or labels in this owner manual. All operators must read, understand, and comply with these warnings and labels before operating the vehicles. Follow the safety information and operating procedures described.

LCD SCREEN FUNCTIONALITIES



Note: You can also control the volume by dragging your finger on the sound level bar, displayed on the top of the screen, after pressing the +/- icon.



Lifted 2-Passenger course Cart, Fire Engine Red



IGNITION SWITCH

- Turn the key forward (away from the driver) to start the vehicle, after inserting the key into the Ignition Switch hole.
- Turn the Ignition Switch key backward (towards the driver) to shutdown the vehicle. Only at this time can the key be removed.

FORWARD & REVERSE SWITCH

Operate the Forward & Reverse Switch according to the forward or backward need of the electric vehicle. The upward toggle switch is the forward gear, the downward toggle switch is the reverse gear, and the middle is the parking gear. When the reverse gear is selected, a buzzer alarm will sound.



Lifted 2-Passenger course Cart,
Gun Metal Grey



When switching the front and rear gears, the vehicle must be in a complete stop. When switching, it is recommended to turn the gear switch to the middle parking gear, and then select the forward or backward gear switch after pausing for 2 seconds. Do not shift the gear switch too quickly, to avoid vehicle damage and safety hazards.

ACCELERATOR PEDAL

Select the gear, release the brake pedal at this time, put your right foot on the accelerator pedal and slowly press the pedal to start the vehicle.

Note: Please - Do not slam on the accelerator pedal.



BRAKE PEDAL

When vehicle needs to slow down during driving, move your right foot to the break pedal and gently press the brake pedal to slow down the vehicle until it stops. When the brake is fully engaged in the down/forward position the electromagnetic brakes will automatically lock.



STEERING WHEEL

This is used to control the driving direction of the vehicle, and we suggest always keeping 2 hands on the wheel.

INSTRUMENT CLUSTER

This displays your current vehicle status information: battery life, speed, mileage, light signals, etc. While driving, you can know if your cart is experiencing issues according to the display of the indicator light in the dashboard.



TURN SIGNAL SWITCH

- **Turn signal lamp:** When pressing the lever downward, the left turn signal lamp turns on. The right turn operates by moving the lever upwards. Blinker lights are displayed on the exterior and interiors of each side view mirror. Please note: the blinker light must be manually shut off after completing the turn.
- **Headlamps:** The end half of the signal lever can be rotated, away from the driver to activate the headlights.
- **Low/High beam:** Pull the lever back towards the driver to shuffle between high and low beams.
- **Horn:** The head end of the lever is a horn button, which can be pressed lightly.



*Lifted 2-Passenger Course Cart,
Metallic Blue*

CHARGER LED DISPLAY

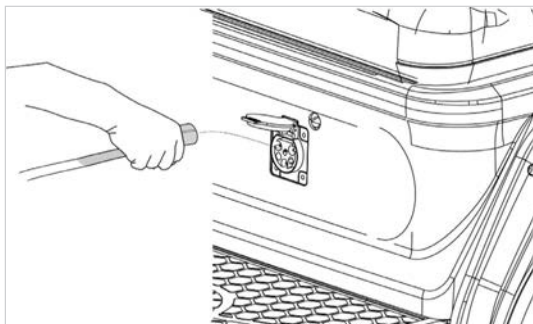
LED LIGHTS	INDICATION
● Red LED Light Flashing	Charged Completely
● Solid Green Light	Charge Completely
● ● Red & Green Light Flash in Order	Refer to the troubleshooting table

HOW TO USE CHARGER

WARNING!

TO DECREASE THE POSSIBILITY OF ELECTRICAL SHOCK OR ELECTROCUTION, MAKE SURE THE CHARGER PLUG IS NOT DAMAGED. THE POWER AC CORD HAS A PLUG WITH GROUND POST. DO NOT MOVE, CUT OR BEND THE GROUND POST.

- 1 Inspect the charger cord to check if there is broken or damage to the power AC cord.
- 2 Plug the AC charge handle into the vehicle receptacle completely.
- 3 Plug the Power AC cord into the ground power completely.
- 4 The charger will automatically start in several seconds after plugging in the AC power cord.
- 5 The charger will automatically stop when the batteries are fully charged.
- 6 Remove the AC charge cord before operating the vehicle.



- Ensure that your vehicle keys are in the off position, the cart will not charge if the key is in the "on position".
- Charge in a safe environment, such as avoiding extreme heat and water damage.

- Only use the charger that came at the time of purchase with your cart, that matches your model. Contact an authorized Venom dealer to obtain or replace parts.
- It is recommended to have an extinguishing device where you are storing or charging your cart, to safely respond to extreme circumstances. extinguishing devices around it so that emergency fire extinguishing treatment can be carried out in extreme circumstances.

SYSTEM POWER-ON & POWER-OFF PROCEDURES

Power-on procedure:

Press the vehicle power button located on the dash of your vehicle. After a brief pause, you may hear the “click” of the batteries waking up. Next, place the key into the ignition switch and turn the key forward (away from the driver). Your screen and cart should then power on and be ready to operate.

Power-off procedure:

Turn the vehicle key into the off position. You can eject the power button, located on the dash of your cart. Turning the power button off will disconnect the relay switch, and your cart will not operate until the power button is inserted again.

CHARGER MAINTENANCE

WARNING!

IF THE PLUG PINS ARE BENT, SPEAK WITH YOUR LOCAL DEALER FOR REPLACING. DO NOT TRY TO REPAIR THE AC CORD PLUG OR PINS.

Electrical Cords

Examine electrical cords for wear and damage before use. Immediately replace electrical cords for:

Cracks
Cuts
Frayed Wiring
Insulation Damage
Loose Connections
Splices

Electrical Plugs & Receptacles

ELECTRICAL PLUGS AND RECEPTACLES Examine electrical plugs for wear and damage before use. Immediately replace electrical plugs for:

Bent Pins
Corrosion
Cracks
Loose Connections
Missing Pins

Clean the Electrical Plugs & Receptacles

- Disconnect the AC cord from the power source.
- Disconnect the AC cord from the battery charger.
- Disconnect the DC cord from the vehicle charger receptacle.
- Apply electrical contact cleaner to the electrical plugs and receptacles. Refer to the manufacturer instructions.
- Clean the electrical plugs and receptacles.
- Lightly lubricate the electrical plugs and receptacles with WD-40®.



TIRES & WHEELS

WARNING!

DO NOT OVER INFLATE THE TIRES. EXCESS PRESSURE CAN CAUSE THE TIRE TO EXPLODE.

TO DECREASE THE RISK OF TIRE EXPLOSION, ADD SMALL AMOUNTS OF AIR TO THE TIRE AT INTERVALS TO SEAT THE TIRE BEADS.

OVER INFLATION OF SMALL TIRES CAN OCCURS IN A FEW SECONDS.

PROTECT FACE AND EYES WHEN REMOVING THE TIRE VALVE CORE.

USE ONLY SOCKETS MADE FOR IMPACT WRENCHES TO DECREASE THE RISK OF INJURY CAUSED BY A BROKEN SOCKET.

DO NOT USE TIRES THAT HAVE INFLATION PRESSURE LESS THAN THE TIRE PRESSURE RECOMMENDED.

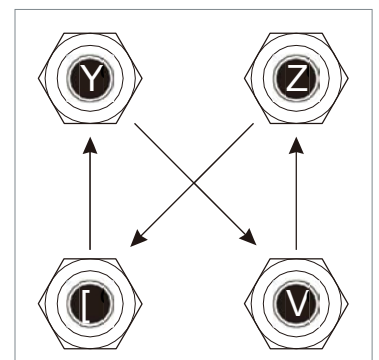
ALWAYS FOLLOW THE CROSS-SEQUENCE PATTERN WHEN YOU INSTALL THE LUG NUTS TO MAKE SURE THE WHEEL IS EVENLY SEATED AGAINST THE HUB.

The general recommended tire inflation pressure is 20 psi, but the tire inflation pressure can be changed according to the specific terrain condition.

All four tires must have the same pressure for the best control qualities. Always put the valve stem cap back after checking or inflate the tires.

Use a tire plug to repair small holes in the tread part of the tires. For large holes or cuts, replace the whole tire.

- With the valve stem to the outside of wheel, install the wheel & tire on the hub with lug nuts.
- Tighten the lug nuts with your fingers in the cross sequence patten as shown.
- Tighten the lug nuts to 65 ft.lbs torque.
- Continue to follow the cross sequence pattern until the correct torque is reached.



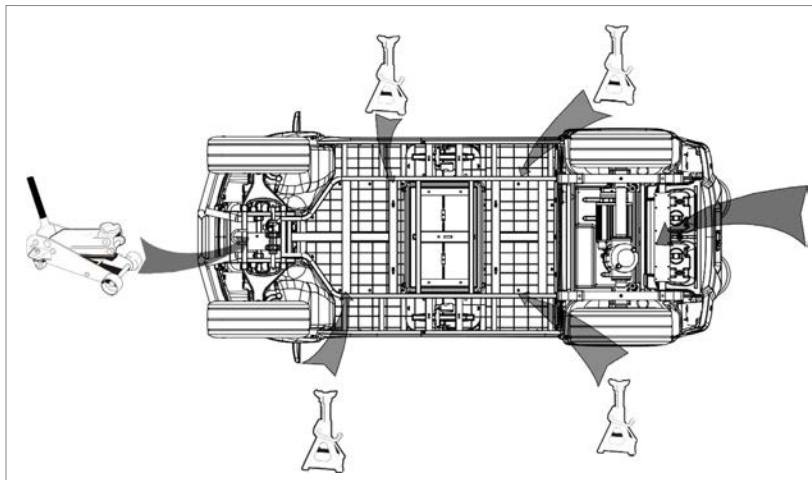
LIFT & LOWER THE CART

WARNING!

LIFTING AND LOWER THE CART WITH CARGO CAN CAUSE PROPERTY DAMAGED, SERIOUS PERSONAL INJURY, OR DEATH. REMOVE ALL CARGO AND HAVE THE PERSON OUT FROM THE CART BEFORE THE CART IS LIFTED.

Steps For Lifting the Cart:

- Before the cart is lifted, turn the key off in the switch of the cart.
- Choose the jacks and jack stands rated for the cart.
- Engage the parking brake.
- Place the jack in the center of the lift point.
- Lift the front and rear of the cart.
- Put the jack stands under the frame rails.
- Power the cart onto the jack stands.



Steps For Lowering the Cart:

- Before the cart is lowered, turn off key switch of the cart.
- Choose the jacks and jack stands rated for the cart.
- Place the jack in the center of the lift point.
- Lift the cart from the jack stands.
- Remove the jack stands under the frame rails.
- Power the cart on the ground.
- Remove the jacks.

VEHICLE MAINTENANCE

WARNING!

MOISTURE CAN CAUSE ELECTRICAL COMPONENT DAMAGE. DO NOT USE A PRESSURE WASHER OR STEAM CLEANER TO CLEAN THE VEHICLE ELECTRICAL SYSTEM. OTHERWISE, IT WILL CAUSE ELECTRICAL FAILURE PERMANENTLY.

Pre-Operation Before Cleaning the Vehicle:

1. Move the vehicle on solid flat ground
 2. Apply the parking brake.
 3. Turn the key switch to OFF.
 4. Remove the key.
 5. Place the Forward & Reverse switch to Neutral.
- Use only commercially available automotive cleaners with a sponge or soft cloth for normal cleaning. A garden hose at normal residential water pressure is sufficient.
 - Use a commercially available aluminum cleaner paste and fine grade steel wool to remove oxidation or discoloration from aluminum.
 - Use non-abrasive wax products. Fertilizers, asphalt, creosote, paint, or chewing gum should be removed immediately to prevent possible stains.
 - The seats of the vehicle will last longer with proper cleaning. Use a solution of 10% liquid soap and warm water applied with a soft cloth. Use a soft bristle brush to remove embedded dirt.
 - Use mild soapy water and a micro-fiber cloth to clean the windshield to minimize the risk of scratching. Avoid using glass cleaners or paper towels as these increase the chances of scratching or scuffing the windshield.

WARNING!

UNINTENDED VEHICLE OPERATION CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH. BEFORE LEAVING THE VEHICLE OR DURING VEHICLE MAINTENANCE, DISABLE THE VEHICLE.

ONLY TRAINED TECHNICIANS SHOULD SERVICE OR REPAIR THE VEHICLE TO PREVENT THE WARRANTY BEING VOID.

ANYONE DOING EVEN SIMPLE REPAIRS OR SERVICE SHOULD HAVE KNOWLEDGE AND EXPERIENCE IN ELECTRICAL AND MECHANICAL REPAIR.

THE APPROPRIATE INSTRUCTIONS MUST BE USED WHEN PERFORMING MAINTENANCE, SERVICE, OR ACCESSORY INSTALLATION. FAILURE TO CORRECTLY MAINTAIN THE VEHICLE AND MAKE NECESSARY REPAIRS CAN DECREASE VEHICLE PERFORMANCE, CAUSE A FIRE, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH AND MAY LEAD TO WARRANTY BEING VOID.

IF PROBLEMS ARE FOUND DURING SCHEDULED INSPECTION OR SERVICE, OPERATE THE VEHICLE ONLY WHEN REPAIRS ARE MADE. DO NOT WEAR LOOSE CLOTHING OR JEWELRY SUCH AS RINGS, WATCHES, CHAINS, ETC., WHEN SERVICING THE VEHICLE OR BATTERY CHARGER. LIFT ONLY ONE END OF THE VEHICLE AT A TIME.

USE A SUITABLE LIFTING DEVICE WITH 1000 LB (454 KG) MINIMUM LIFTING CAPACITY. DO NOT USE THE LIFTING DEVICE TO HOLD THE VEHICLE IN THE LIFTED POSITION. USE APPROVED JACK STANDS OF PROPER WEIGHT CAPACITY TO SUPPORT THE VEHICLE AND CHOCK THE WHEELS THAT REMAIN ON THE FLOOR.

IF WIRES ARE REMOVED OR REPLACED, MAKE SURE THAT THE WIRING AND WIRE HARNESS ARE CORRECTLY ROUTED AND ATTACHED. FAILURE TO CORRECTLY ROUTE AND ATTACH THE WIRING COULD RESULT IN VEHICLE MALFUNCTION, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH AND MAY LEAD TO WARRANTY BEING VOID.

CAUTION!

WEAR SAFETY GLASSES OR APPROVED EYE PROTECTION WHEN YOU DO THE SERVICING OF THE VEHICLE.

STORAGE PREPARATION

- Put cart under shelter, keep the golf cart in dry and ventilated space. Optimal temperature 14°F to 95°F (-10°C to 35°C). Maximum storage temperature should not be higher than 122°F (50°C).

- Turn the key switch to the off position, remove the key and leave the forward and reverse switch in the neutral position during storage.
- Power down all accessories.
- Disconnect batteries per ensuring that the cables do not meet a terminal (Disconnect the main power outlet cables from battery pack, insulate the cable).
- Connect battery cables back to system, charge the battery to full state every 1-3 months to keep battery alive without damages caused by over-discharging.
- Perform all semi-annual lubrications.
- Thoroughly clean the front and rear body, seats, battery compartment and underside of the vehicle.
- Do not engage the park brakes but secure the golf cart from rolling. Check the wheels with wheel stoppers or something similar.
- Check tire pressure and inflate the tires to standard pressure level as values presented on tires.

RETURNING CART TO SERVICE FROM STORAGE

- 1 Fully charge the battery.
- 2 Set the forward and reverse switch to neutral.
- 3 Adjust the pressure in each tire to the recommended tire pressure.
- 4 Have a trained technician lubricate the vehicle.
- 5 Do a daily pre-operation safety checklist.
- 6 Do a vehicle performance inspection.

VEHICLE TRANSPORTATION & TOWING

WARNING!

DO NOT RIDE ON OR ALLOW OTHER PEOPLE ON A CART BEING TRANSPORTED ON A TRAILER OR BEING TOWED WITH ANOTHER VEHICLE.

DO NOT CARRY PASSENGERS ON CART WHILE TOWING THE CERT.

SECURE THE SEATS/WINDSHIELD /OTHER LOOSE ITEMS BEFORE TOWING CART.

The following steps can help you to tow a Venom EV Strike cart safely without any damage.

- Turn off the switch.
- Keep the forward and reverse switch in a neutral position.
- If you need to tow the cart for a long distance, remove the battery connections from battery pack terminals.
- Move the cart at a slower speed (between 5-15 mph) or the same speed that you will generally move it if it has power. Exceeding the speed limit can over-spin the motor and ruin it.
- Pulling your cart faster than designed to go can over-spin the motor, potentially slinging the internal parts into pieces and ruining the motor.
- Unlock the electromagnetic brake on your cart motor, and make sure to unlock it mechanically before towing the golf cart.



























ELECTROMAGNETIC PARKING BREAK

Located under the seat by the battery, simply move the toggle to EMB and the cart can be moved manually as the electromagnetic parking brake is now disengaged.

Move the toggle to RUN and the electromagnetic parking brake is once again, engaged.



VENOM EV STRIKE SCHEDULED MAINTENANCE CHART

LOCATION	DESCRIPTION	DAILY	WEEKLY	MONTHLY	QUARTERLY	ANNUALLY
Battery	Check for any damages to the battery surface					
	Charge the battery					
	Fasten/tighten the nut on the battery cable					
	Verify that battery is not over-charged					
	Check the health of the battery					
	Check whether the battery is fully charged					
	Clean the surface of the battery					
Body & Chasis	Check the seat belt bolts and tighten if needed.					
	Verify brake fluid level in brake fluid resevoir					
	Verify tire pressure and tire condition					
	Verify no leaks are observed in shocks					
	Fasten bolt to shaft					
	Verify oil level in rear axle gear box					
	Add grease to front hub and steering box					
	Adjust the front and rear suspension					
	Clean the body and seats					
Charger	Verify charging status and ensure charger is not hot					
	Clean surface of charger. Do not allow water in					
Motor & Controller	Turn off power, and ensure terminals are tight					
	Clean the surface of the controller					
	Check the touching point to ensure solenoid is in order					
	Verify no water has gotten into the motor					
	Ensure connectors of motor and controller are tight					
	Verify the accelerator pedal works well					
	Ensure brake pedal is firm and can be released easily					
	Verify if brake pads need to be replaced					

VENOM STRIKE WARRANTY

WARRANTY PROVISIONS

Thank you for choosing our products. In addition to products, you will also receive technical support and services.

WARRANTY PERIOD

We offer a 3-year limited warranty on our carts and a 1-year limited warranty on electronics as described below. An 8-year limited warranty on Eco Lithium batteries is offered by Eco Battery which can be viewed at ecobattery.com/pages/warranty for terms and exclusions. Ganfeng Batteries have a 5-year limited warranty. Carts must be purchased from an authorized VENOM EV dealer for a valid warranty. For comprehensive Venom EV warranty info please visit:

[HTTPS://ECOBATTERY.COM/PAGES/WARRANTY](https://ecobattery.com/pages/warranty)

POTENTIAL WARRANTY CONDITIONS

- All parts must be original and be within the warranty period.
- A warranty could be voided under the following circumstances: Damage is caused by the users' failure to use according to the instructions or improper storage. Part damage is caused by unauthorized disassembly and maintenance of users. Part damage or loss caused by natural disasters, theft, and accidents.
- Some quick-wear parts are not covered by the warranty, such as bulbs, fuses, brake pads, glass products, connectors, etc.



VENOM EV

WWW.VENOM-EV.COM

833.VENOM.EV (836.6638)