

**ONE SPORT**



**Model: OT02**

# **USER MANUAL**

## **Attention!**

Please keep the instruction manual properly!  
To ensure your safety, please read the instruction manual carefully before using the electric bicycle to better understand the performance of the electric bicycle.



## **THANK YOU FOR CHOOSING ONESPORT**

**Contact us if you experience issues relating to riding, maintenance, and safety, or errors/faults with your electric bicycle.**

 : [support@onesportglobal.com](mailto:support@onesportglobal.com)

 : @onesportebike

 : @Onesport

 : @onesport\_\_ebike

 : [www.onesportglobal.com/](http://www.onesportglobal.com/)



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# WARNING!

Read this entire manual before assembling or using your new electric bicycle. Do not modify, disassemble, or replace the original electrical components on your bicycle. Doing so will invalidate your warranty and could put you in danger. Riding any type of bicycle comes with some risks which can't be predicted or avoided. Taking proper care of bicycle components can lower the risk of sudden failure of components but cannot prevent it. These sudden failures could cause serious harm, injury, or death to the rider. If you notice abnormalities in any component on the bicycle, take it to a licensed mechanic to be repaired or replaced immediately.

ONESPORT assumes no liability for harm, injury, or death of the rider. This manual is not intended to function as a detailed service manual.


ONESPORT recommends having your local bicycle shop mechanic perform a detailed safety check of your bicycle before your first ride. Ensure your local mechanic is experienced and reputable. The ONESPORT OT02 can withstand most rain showers without sustaining damage. The bicycle has an IP rating of 65. This means it is dust tight and can withstand jetting water. See the IP code for more details. It does not mean that the bicycle and its mechanical and electrical components are waterproof. We do not recommend storing or using the bicycle in excessively wet conditions. The warranty for the ONESPORT OT02 does not cover water damage.



# UNBOXING

Congratulations on your purchase of a new ONESPORT OT02! Your bike and related accessories are inside your box, and the instructions below are meant to show you all the parts inside the box. Before removing the packing foam, please take out all the parts to confirm if there are any missing parts.

If any parts are missing or damaged, please contact ONESPORT customer service [support@onesportglobal.com](mailto:support@onesportglobal.com) as soon as possible.

 Note: If this is your first time riding or the first time you assemble an e-bike! we recommend you seek professional help, preferably from a local, certified bike mechanic.

## WHAT'S IN THE BOX:





# FRAME NUMBER AND MOTOR NUMBER

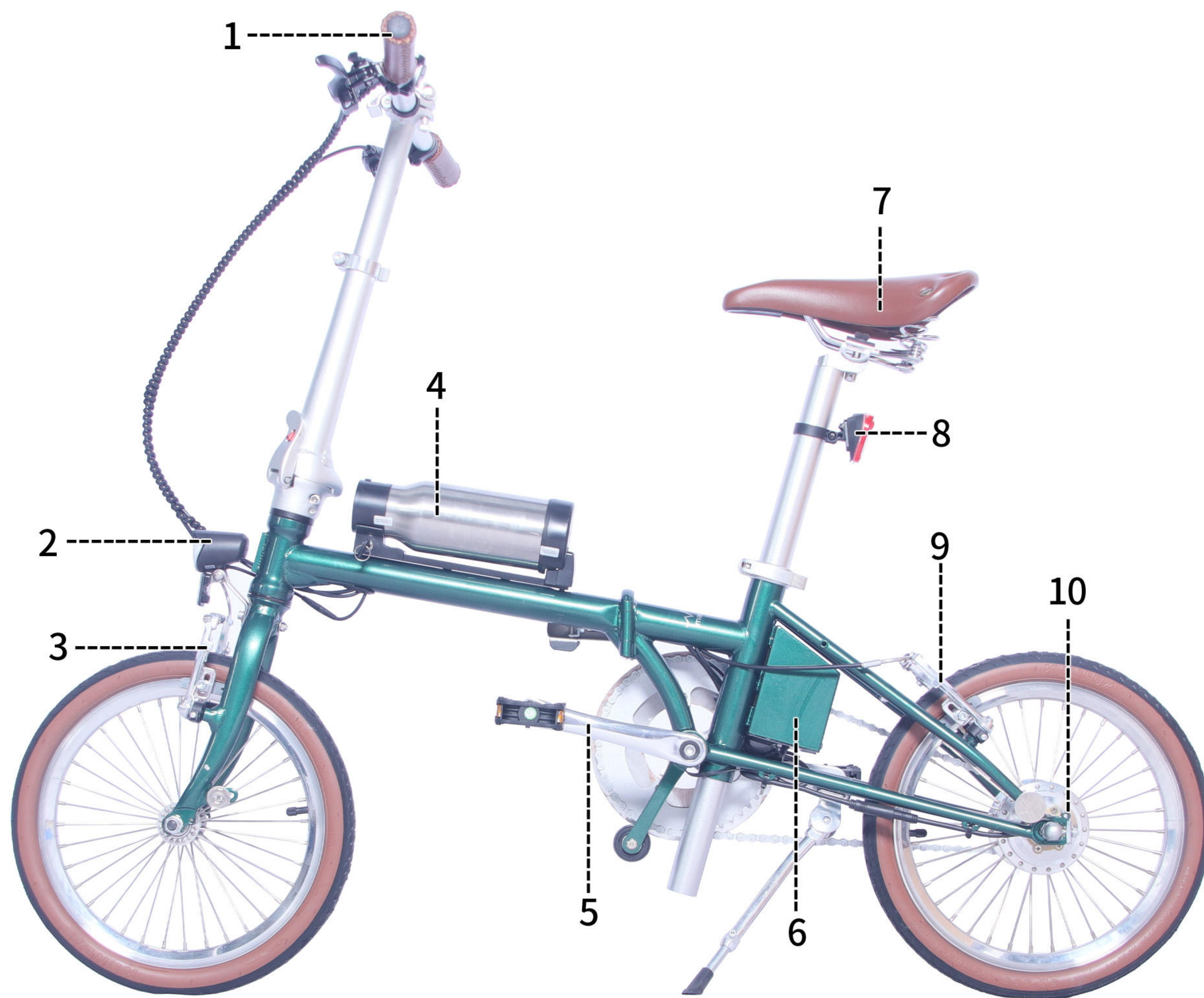
Your bike has two unique serial numbers on the frame and on the motor. As shown in the picture.



Please find the serial numbers stamped on your bike and keep records yourself. The motor number and frame number will be the proof of purchase for ONESPORT to honor the warranty. Also, if an electric bike is stolen, you can provide the frame number for law enforcement.



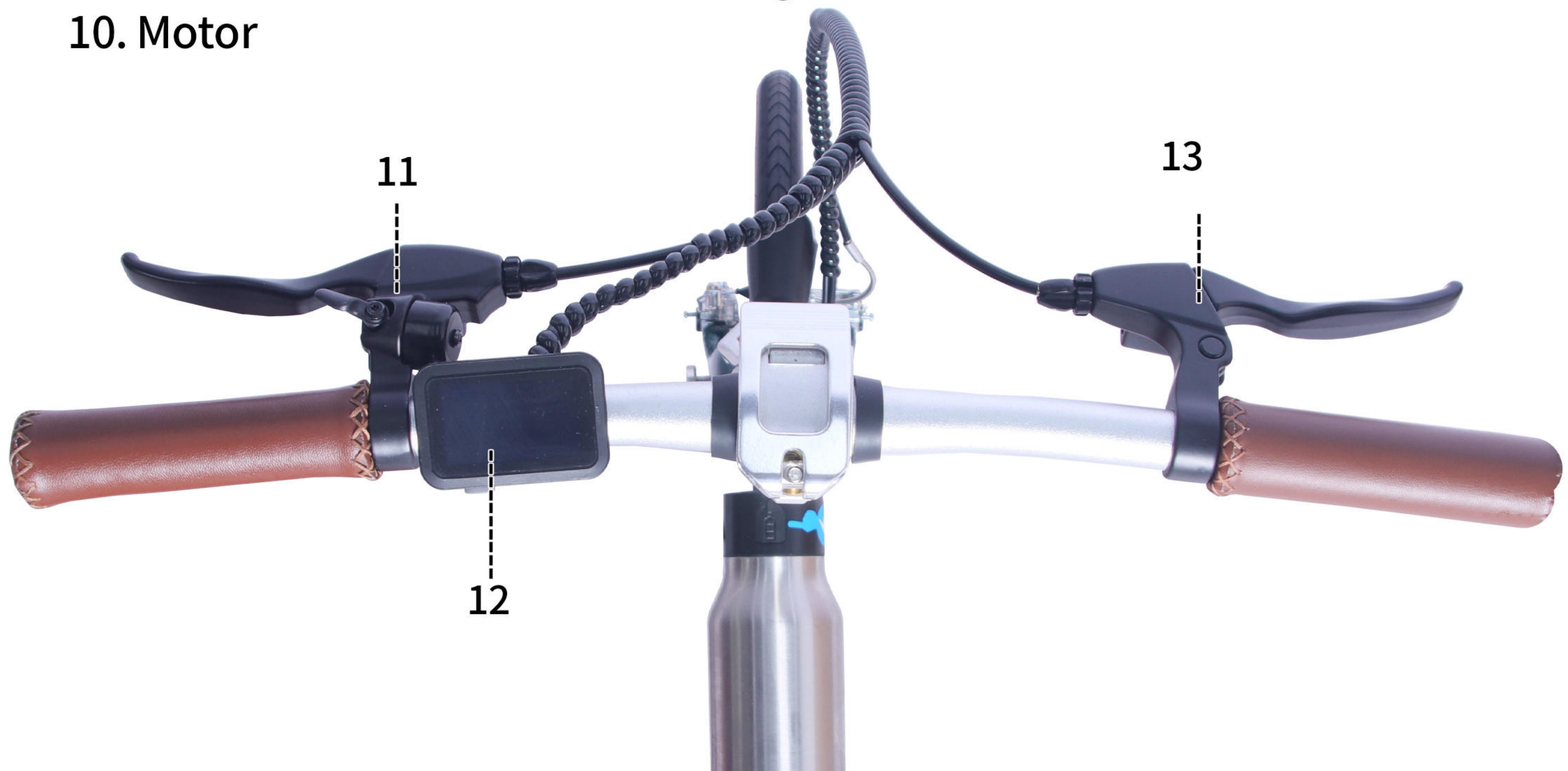
# OT02 STRUCTURE INTRODUCTION



1. Handlebar  
4. Batteries  
7. E-bike Seat  
10. Motor

2. Headlight  
5. Crank Shaft  
8. Tail light

3. Front brake  
6. Controller box  
9. Rear brake



11. Front brake handle  
and bell

12. E-Bicycle  
Instrumentation

13. Rear brake handle



## REMOVE THE BATTERY



1. Turn key to unlock battery.



2. Pick up the battery upwards.

## INSTALL THE BATTERY



1. Install the battery, noting the connector underneath the battery.



2. Press the latch on top of the battery lock.



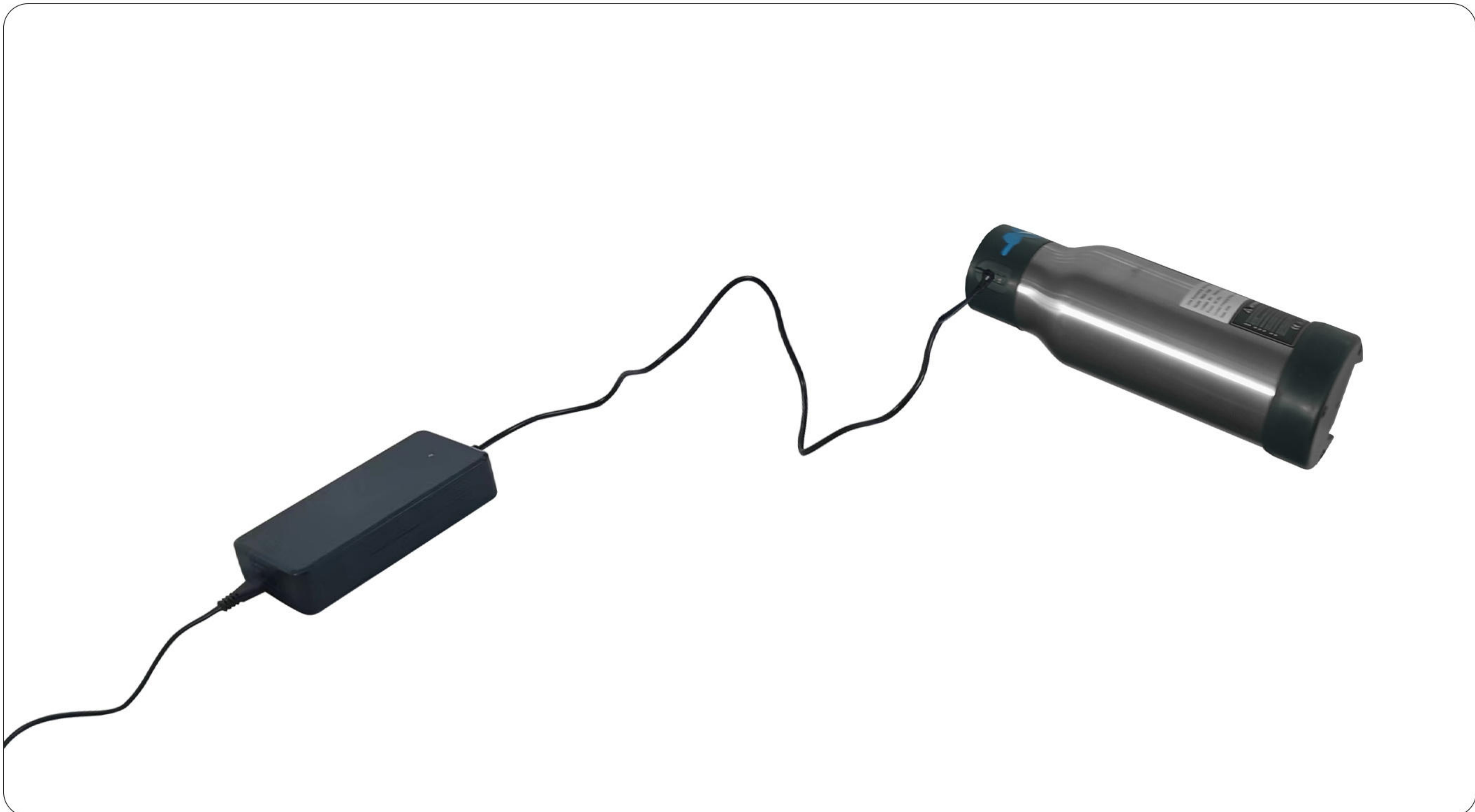
# HOW TO CHARGE

ONESPORT provides you with both whole bike charging and external battery charging for your convenience to choose.



## Whole bike charging mode:

You can plug the charging plug into the body charging port and charge the E-Bike directly.



## External charging mode:

Remove the battery and you can plug the charging plug into the battery charging port for external charging.





## CHARGING SAFETY

- Do not use a charger other than ONESPORT to charge the E-Bike.
- When you receive the E-Bike, please charge the battery for the first time in time to ensure that the battery is fully charged when you ride it for the first time.
- Do not leave the battery unattended while charging.
- Avoid charging the battery at too high a temperature.
- Make sure there are no flammable objects around when charging.
- When the battery is not in use, it needs to be charged at least once a month.

### Battery Safety:

- ⊘ If you find the battery is damaged, leaking, discolored, etc., please do not charge the battery.
- ⊘ When storing the battery, be sure to keep it away from heat sources and avoid direct sunlight.
- ⊘ Do not immerse the battery in any liquid.
- ⊘ Do not force the battery to remove, follow the instruction manual for the removal of the battery.
- ⊘ Battery charging time may increase depending on the time of use.
- ⊘ If the battery fails to charge, stop charging immediately.

### Caution:

Please be careful when charging. Misoperation may cause property damage and personal injury.

When batteries are no longer in use, dispose of batteries according to local state regulations. Disposal regulations for lithium batteries vary by state, so it's important to know your local government's regulations. Lithium batteries should not be placed with regular trash.



# INSTRUMENT INTRODUCTION



- |   |  |                     |
|---|--|---------------------|
| 1. Switch on/off the Long button for 3 seconds to start | 2. Increase gear/Press and hold for three seconds to turn on the light | 3. Decreasing gear  |
| 4. Riding information display                           | 5. Gear display  | 6. Capacity display |
| 7. Speed display  |  |                     |



## Caution:

The meter tries to avoid unnecessary knocks.

Please do not modify the instrument parameters that are not explained in this manual, otherwise, it may not be able to ride properly.



# OPERATING THE LCD DISPLAY

Switch on the meter

Press and hold the "⏻" button for 3 seconds.

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Turn off the meter.

Press and hold the "⏻" button for 3 seconds.

---

Increase Pedal Assist Level

Short-Press the "➕" button.

---

Decrease Pedal Assist Level

Short-Press the "➖" button.

---

Toggle Speed, Odometer,  
TRIP, Trip Timer, VOL, Average  
Speed Max Speed.

Press and let go of the "⏻" button.

---

Turn on headlights

Long press the "➕" to turn on the front lights.



## Caution:

The trip meter will reset when the bike is powered off. The maximum and average speed will be calculated for a given trip and will reset when the bike is powered off. When the bike has not been used for 10 consecutive minutes, the display will automatically shut down, The pedal assist and throttle features will no longer work when the display is turned off.



# DISPLAY SETTING

To change display settings, hold the **+** and **-** button simultaneously to enter into the advanced settings menu. In this menu, clicking the "⏻" button will toggle between each numbered setting.

To adjust the value of each setting, click the **+** and **-** buttons accordingly.

Setting	Function	Default	Explanation
P01	Brightness	2	Backlight display brightness. The darkest level is 1, and the brightest level is 3.
P02	Distance Units	1	0:KM      1:MILE
P04	Sleep time	0	LCD Display sleep timer. 0, no sleep; other numbers are sleep time, range: 1-60; unit minute.

## ERROR CODES

Error Code	Meaning
E001	Controller failure
E002	Communications failure
E003	Hall Failure
E005	Brake handle failure
E006	Motor out of phase



## **OPERATING SAFETY**

Before riding the bike for the first time, ensure that you have read and understood this manual. Make sure you understand how to turn on and activate the pedal assist and throttle. When first riding the bike, take care to start slowly with a low level of pedal assist, Take your first ride in a safe area away from cars, other bikers, pedestrians, or other potentially dangerous obstacles. Only move up pedal assist levels when you feel comfortable and you have ample experience riding the bike. The higher pedal assist levels will accelerate you to higher speeds more quickly. Take care when riding the bike at any speed. Failure to adhere to warnings and guidelines in this manual can lead to serious harm, injury, or death. Damage sustained by the bike from failing to follow instructions, guidelines, and warnings in this manual is not covered under warranty. Do not lean on the bike when it is parked and the kickstand is in use.

## **HELMETS AND LOCAL LAWS**

Always wear a helmet when riding your e-Bike. Ensure that the helmet fits your head and is securely tightened down. Before riding, read local law and comply with all rules relating to cycling and biking in your area. If you attach a seat for children to the bike, they must also be wearing properly fitted helmets at all times.

## **PRE-RIDE SAFETY CHECK AND INSPECTION**

Before each ride, make sure to inspect your e-Bike to ensure there are no loose fasteners or accessories. Make sure to specifically check that both the front and rear axles are secure. Also, make sure both the handlebars and the handlebar stem are not loose. Check the tire pressure of both wheels before riding to ensure the tires are inflated to the recommended pressure printed on the side of the tire walls. Pull the brake levers to make sure your brakes are working properly and adjust if necessary. Ensure both your seat post and handlebar stem are inserted past their minimum insertion points as indicated by the markings on them.

## **RIDING IN WET CONDITIONS**

This electric bicycle can withstand light rain and small splashes but is not designed to be subjected to inclement weather, extremely heavy showers, or submersion in water.

Note: Use caution when riding in wet conditions as it will take longer to use the brakes to slow down, and also when turning as the tires may slip. The electrical components on the bike are not waterproof. The entire bike has an IP rating of 65. Water damage is not covered under warranty.



## **RIDING AT NIGHT**

Riding at night comes with more risks than riding during the day due to decreased visibility so riders are encouraged to exercise increased caution. Before riding at night, make sure that reflectors are installed on your e-Bike. For increased visibility, also ensure the front headlight and rear tail light are turned on and adjusted such that other people on the road can see them clearly. Riders should wear bright-colored clothing at night.

## **MAX WEIGHT**

The bike can safely carry a total weight of 75 kg. Note range and top speed will be affected by the total weight being carried by the bike.

# **PRE-RIDE SAFETY CHECK**

Ensure all components are properly secured before riding otherwise serious harm or death could occur. This includes but is not limited to: pedals, handlebars, handlebar clamp, cranks, seat, and seat post clamp.

- Make sure you can't twist the seat or stem out of alignment by hand.
- Ensure all cables and connectors at the front of the bike are securely connected or certain components may not work including the front light, the motor inhibitor switches, the LCD display, and the throttle. The motor inhibitor switches shut the motor off as soon as the rider hits the brakes. If these switches are not operational it will take longer to slow down which in some riding situations could cause injury or death to the rider. If you have installed any accessories make sure they do not interfere with all cables and connectors when turning the handlebars.



# WARRANTY

All Bikes should be operated in accordance with the ONESPORT owner's manual provided with the bike. ONESPORT warrants to the original registered purchaser that bikes shall be free from all defects in material and workmanship for a period of 12 months from the date of shipment when used in accordance with the owner's manual and for the purpose intended. All other obligations and conditions or liabilities, including obligations for consequential damages, are hereby excluded.

The warranty is non-transferable and only applies to the original owner.

This warranty gives you specific rights and purchasers may also have other rights, which may vary by location. Damage caused by failing to adhere to instructions and warnings issued by ONESPORT is not covered under warranty. Warranty parts will only be shipped within the continental EU. The warranty period for parts is as follows.

Warranty time is calculated from the sales date.

	Accessories	Warranty Period	Warranty Type
Electrical parts	Motor	12 months	Free repair of failure within One years
	Controller	12 months	Performance failure
	Lithium battery	12 months	Can't charge and discharge
	Charger	12 months	Performance failure
	Meter	12 months	Malfunction
	Brake lever	12 months	No power-off function
	Throttle	12 months	No induction capability
Structure	Frame	12 months	There is natural welding, desoldering, and fracture phenomena
	Front fork	12 months	
	Riser	12 months	
	Handlebar	12 months	
	Crank	12 months	

Accessories sold on [www.onesportglobal.com](http://www.onesportglobal.com) are not covered under warranty (except in cases of shipping damages). Stolen bikes are not covered under warranty.

Necessary precautions must be taken to ensure the bike and battery are not exposed to severe weather conditions.

Exposure to very wet, hot, or cold conditions may void the warranty.

For further information regarding after-sales policies, please visit the official website. [WWW.ONESPORTGLOBAL.COM](http://WWW.ONESPORTGLOBAL.COM)



We will replace any parts deemed to have been damaged during shipping. Shipping damage must be reported to ONESPORT within 14 days of shipment arrival. This applies to all products, including electric bicycles and accessories. You will NOT be refunded as compensation for your time or efforts in replacing damaged parts. Replacement parts will not be sent until photographic evidence has been provided to ONESPORT. ONESPORT may request additional documentation (such as video) to assist with accurately diagnosing the problem and processing the warranty claim.

Most warranty parts are fulfilled 1-10 business days after the request is put into our system by a customer service representative. Warranty parts are sent using UPS First Class, FedEx Express, or DHL depending on the size of the part. Warranty parts will not be expedited. Items including the chain, tires, wheels, tubes, battery handle, brake pads, cables and housing, grips, and spokes are considered wear items. These items wear down with normal use and are not covered under warranty. You are responsible for replacing and maintaining these worn items.

Any unauthorized alterations or repairs are not covered and may void this warranty. For warranty services, please contact ONESPORT online support by email at [support@onesportglobal.com](mailto:support@onesportglobal.com). Electric bicycles or parts returned without proper documentation may result in delayed service or denied warranty coverage. Warranty return shipping costs, along with duties and taxes, are the responsibility of the claimant.

## **ELECTRIC BIKE MAINTENANCE**

### **REGULAR CLEANING**

Cleaning the electric bicycle often will help to keep dirt, dust, and debris from getting into the engine and interfering with the motor. It also helps to keep all the mechanical parts moving properly without grinding against each other or blocking the chain. E-bicycles should be washed once or twice per week.

When you clean your e-bicycle, do not use a pressurized hose or stream of water. This might compromise the integrity of the seals around electrical equipment and wear them down, eventually leading to exposed and wet electrical systems that will then malfunction. Instead, use a low-pressure water stream or a wet rag, and dry the bicycle off once you're finished washing it.



## **LUBRICATION**

To keep all the mechanics in working order, you can apply lubrication to the major moving parts, such as the chain. Use a special cleaning solution to clean off the chain before applying a bicycle-specific lubricant to it. This should ideally be done at least once a week if you use the electric bicycle often.

## **CHECK THE BOLTS**

Do a quick inspection and check for any loose screws, bolts, nuts, or anything else on the electric bicycle. If there is too much play in the bolts, tighten them up slightly and see if you can identify the cause of the looseness. Be careful not to overtighten the bolts.

## **TIRE PRESSURE**

You can check the current pressure in the tires by using a simple pressure gauge. If it's too low, or if the tires visibly sink when you press your finger into them, use your bike pump to inflate them to the recommended pressure indicated on the tires.

## **BRAKE PADS**

Inspect the brake pads on your electric bicycle every few weeks to see how they are holding up. It's essential to have effective brakes to avoid serious accidents. Brake pads are easy and inexpensive to replace whenever necessary.

## **WATERPROOFING**

The battery and motor of an electric bicycle are well-sealed to prevent water damage. However, this does not make them completely waterproof. With common sense and proper care, you can avoid water-related issues. Avoid using a jet wash or fully submerging the bicycle. The motor is housed in a factory-sealed unit and should never be disassembled for maintenance or to fix a problem.

## **BATTERY CARE**

Charge the battery at room temperature in a dry location. To extend the battery's lifespan, avoid leaving it fully charged or fully discharged for long periods. If the bicycle is not in use for an extended period, disconnect the battery. The battery will gradually lose charge, so top it up occasionally. Avoid storing the bicycle for long periods without charge—maintaining a 30 to 60 percent charge is ideal for long-term storage, according to e-bike system manufacturers.

Extreme heat and cold can damage electric bicycle batteries. Store the battery in a cool, dry place out of direct sunlight. During winter, particularly when the temperature is below 0°C, charge and store the battery at room temperature and reinsert it into the bicycle just before riding.



# DISCLAIMER

Riding any kind of electric bicycle comes with inherent risks and dangers that cannot be predicted or avoided. These dangers could result in a serious accident, injury, or death of the rider. It is the sole responsibility of the rider to become properly educated and prepared to ride safely.

Once in possession of the electric bicycle, ONESPORT strongly encourages and recommends that all customers have a certified and reputable bicycle mechanic complete a full inspection of each component on the electric bicycle to ensure it is safe for operation. ONESPORT makes no claims or guarantees that the brakes, battery, frame, motor, motor controller, LCD display, electrical cables, electrical cable housings, fasteners, grips, fork, stem, shifters, headset, seat post, seat post clamp, handlebar stem clamp, saddle, wheel hubs, handlebars, spokes, rims, tires, tubes, derailleur, freewheel, cassette, throttle, kickstand, lights, reflectors, hardware, bottom bracket, or any other part or accessory will be properly secured and adjusted upon arrival.

Before every ride, fully inspect your electric bicycle to ensure everything is secured and adjusted properly. Under no circumstances is ONESPORT responsible for any damage resulting from damaged, defective, or improperly secured parts. This includes, but is not limited to, damage to personal property, personal injury, or death.





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