

***MotoTec Venom 72v 12000w Electric Dirt Bike***

# User's Manual

OWNER'S MANUAL

**This manual shall be considered a permanent part of the motorcycle and shall remain with the motorcycle when resold or transferred to a new owner or driver. This manual contains important safety information and instructions that should be read carefully before operating the motorcycle.**

## Important Notes

The battery used in this motorcycle is a ternary lithium battery.

Unauthorized modification and incorrect use may cause the battery to fail or cause a fire. Please use the charger, motor and motor controller provided by our company.

This motorcycle is a special model for forest roads. It is forbidden to drive on the road, and it is forbidden to use overloaded in professional off-road venues. The company is not responsible for the damage to the vehicle and the casualties caused by improper use or unauthorized modification.

### **Warning** **Caution/Note**

Please read the contents of this manual and strictly abide by the essentials in it. Words such as warning, caution, attention and note in this manual emphasize the importance of attention. Please understand the meaning of each word carefully.



### **Attention**

Indicates a potential hazard that could result in minor or moderate injury.

### **Attention**

Indicates a potential hazard that could result in damage to the motorcycle or equipment.

*Note: Indicates special items that make repairs easier or clearer.*

# Foreword

Motorsports is one of the most exhilarating sports. To ensure a pleasant ride, you should thoroughly familiarize yourself with the information contained in this owner's manual before riding your motorcycle.

This manual outlines how to properly maintain and maintain your motorcycle. If you can strictly follow the regulations in this driver's manual, your motorcycle will be durable and less likely to break down.

The information and specification data in this manual are the latest product information and specification data at the time of publication of this manual. Due to the continuous improvement of products and other changes, your motorcycle may be inconsistent with this manual. Shandong Tengyue Sports Equipment Co., Ltd. reserves the right to change the content at any time without prior notice, and does not assume any responsibility and obligation.



# Content

User Notice	1
Manipulation Part	2
Inspection and maintenance before driving	3
Driving Essentials	4
Long-term storage procedures and motorcycle cleaning	5

# User Notice

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Accessory Additions and Motorcycle Cargo.....Page 7

Safety Instructions for Motorcycle Drivers.....Page 8

Label..... . Page 9

Location of Frame Number and Engine Number.....Page 9

## User Notice

### Accessory additions and motorcycle cargo

#### Accessory additions

Adding unsuitable accessories can lead to unsafe operating conditions. It is not possible to test every accessory on the market or a combination of all available accessories. However, your dealer can assist you in selecting high-quality accessories and installing them correctly. Exercise caution when selecting and installing accessories for your vehicle. If you have any questions, please consult your Shandong Tengyue dealer.



Improper attachment of accessories or modifications to the motorcycle may result in operational changes that could lead to accidents.

Do not use inappropriate accessories, and ensure that any accessories used are properly installed. All parts added to the

motorcycle should use equivalent parts for genuine Shandong Tengyue parts or motorcycles designed by them. Install and use parts and accessories in accordance with their instructions for use. If you have any questions, please contact Shandong Tengyue dealer.

#### Parts Installation Guide

When installing the external fittings, they should be installed at the lowest position as far as possible, close to the motorcycle and the center of gravity, and can be flexibly adjusted. Check whether the mounting bracket and other accessories are firmly installed.

Check ground clearance and tilt angle. Check to ensure that the action, steering or other operations of accessories and suspension devices do not interfere.

Attachments fitted to the handlebar or front fork area can cause serious stability problems. The extra weight will reduce the responsiveness of the motorcycle to steering control.

Select accessories that do not restrict the rider's freedom of operation.

Select electrical accessories that do not exceed the capacity of the motorcycle's electrical system. Severe overloading can damage the harness and cause danger.



This vehicle is prohibited from carrying people and goods.

## Instructions to Motorcycle Drivers for Safe Driving

Motorcycle riding is very interesting and exciting. When riding a motorcycle, it is also required to take some additional precautions to ensure the safety of the rider. The preventive measures are as follows:

Wear safety helmet

Safe driving starts with wearing a safety helmet, which is an important element of driving a motorcycle. You must wear a helmet that meets the safety standards when driving a motorcycle. We also recommend that you wear goggles, sturdy

boots, gloves and other protective equipment.

### Inspection before driving

Please carefully read the instructions in the Pre driving Inspection section of this manual. Driving according to the rules can ensure your safety.

Get familiar with your motorcycle structure

Your driving skills and mechanical knowledge are the basis for safe driving. Practice in an open place with few cars until you are fully familiar with the mechanical properties and control methods of the car. Remember, practice makes perfect.

### Understand limits

Ride within your capabilities. Understand limits and observe limits to avoid accidents.

### Safe driving in bad weather

Pay special attention to rainy days. The braking distance in rainy days is twice that in sunny days. When driving, avoid well covers, paint marks and greasy roads on the road to



avoid skidding. Don't accelerate when cornering sharply. Be very careful when crossing railways, bridges, etc. Keep a safe distance from the vehicle in front.

### Defensive riding

Frequent motorcycle accidents occur when the motorcycle is running close to the car, and the motorcycle is back relative to the car, and the car turns. Riding a motorcycle should have defensive measures, that is, defensive riding. Defense method: wear bright clothes that can reflect light. Avoid driving a motorcycle in the blind spot of other drivers.

### Label

Read and follow all labels on the motorcycle. Make sure you understand all labels. Do not remove any labels from the motorcycle.

### Frame number and engine number location

The frame number and engine number are used to register the motorcycle. When ordering parts or special services, this number can help dealers provide better service for you.

The frame number is printed on the front of the frame. The engine number is printed on the motor gearbox.

## Manipulation part

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Part Location.....	Page 11
Key.....	Page 13
Start switch.....	Page 13
Dashboard.....	Page 13
Left handlebar switch unit.....	Page 14
Right handlebar switch unit.....	Page 1

# Accessory Location



- |                                   |                                     |
|-----------------------------------|-------------------------------------|
| ①DC-DC                            | ⑨Front downforce damping adjustment |
| ②Electric lock                    | ⑩Oil filler                         |
| ③Front rebound damping adjustment | ⑪Oil window                         |
| ④Accelerator                      | ⑫Rear brake pedal                   |
| ⑤Right hand switch assembly       | ⑬Rear brake arm                     |
| ⑥Front brake arm                  | ⑭Rear brake master cylinder         |
| ⑦Front brake master cylinder      | ⑮Rear wheel brake cylinder          |
| ⑧The headlamps                    | ⑯Rear brake disc                    |



- |                                  |                                    |
|----------------------------------|------------------------------------|
| ①Front damping                   | ⑦Gear lever                        |
| ②Meter                           | ⑧Motor oil drain                   |
| ③Clutch handle                   | ⑨Front wheel brake cylinder        |
| ④Left hand switch assembly       | ⑩Speed sensor                      |
| ⑤Cushion lock                    | ⑪Front brake disc                  |
| ⑥Side brace                      | ⑫Rear downforce damping adjustment |
| ⑬Rear rebound damping adjustment |                                    |

## Key

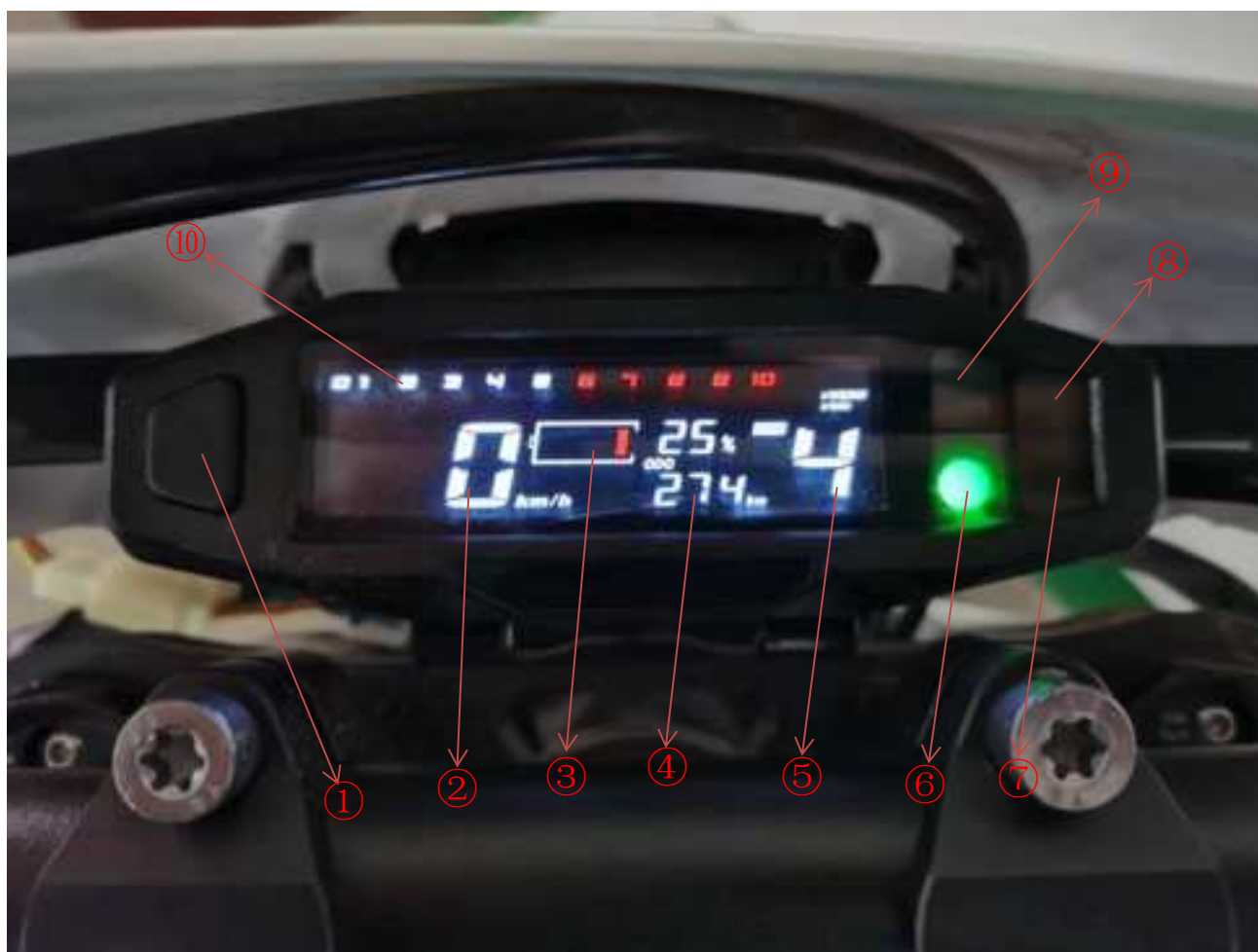
This motorcycle is factory equipped with a main starting key and a spare starting key. Please keep the spare key in a safe place.

## Start switch

1. Match the start key head with the square hole on the start switch.
2. Turn the key clockwise.

Note: The key can only be removed after all circuits are cut off.

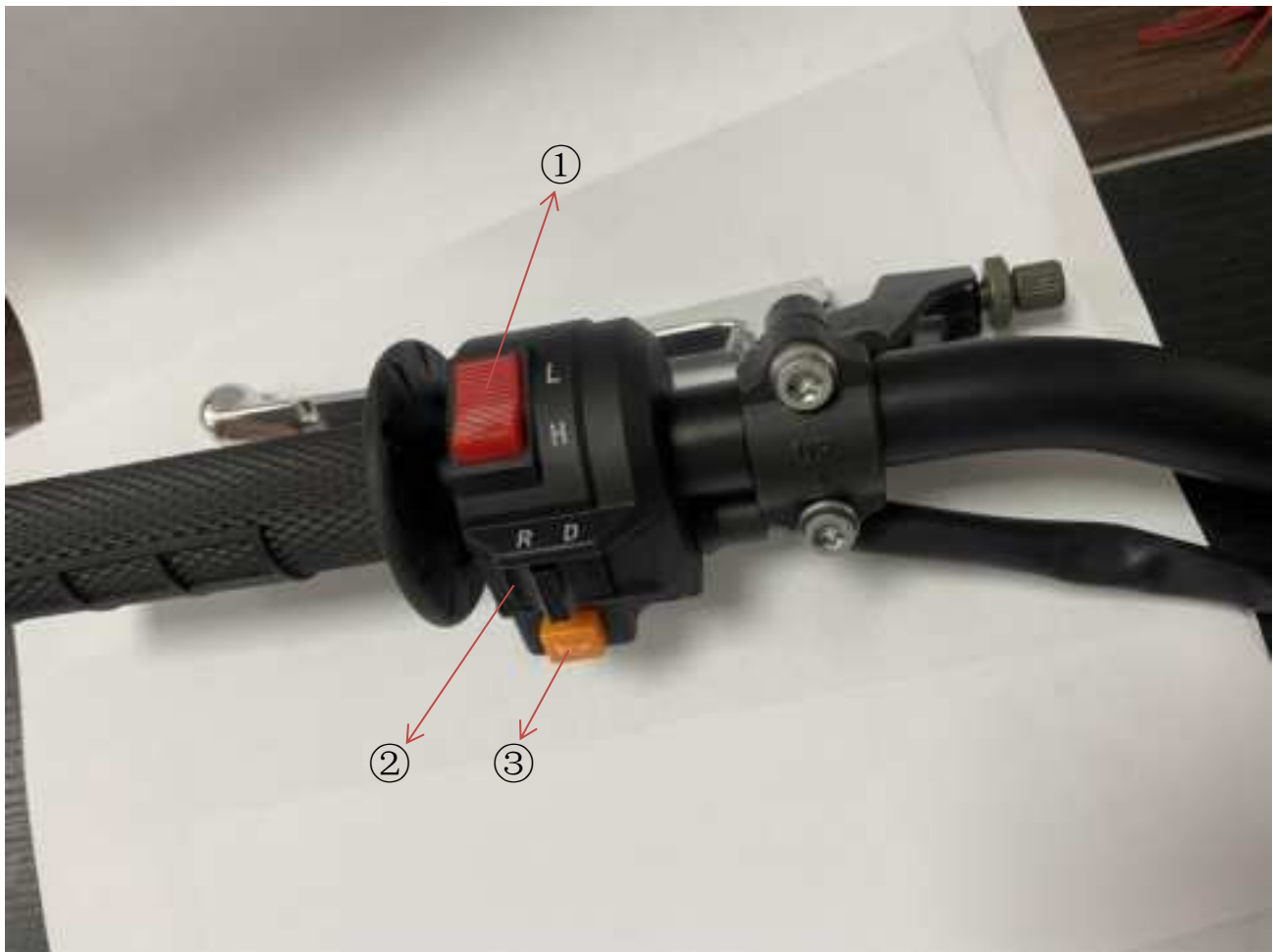
## Dashboard



- ①Function switch
- ②Speed
- ③Power display
- ④Mileage display
- ⑤Gear display

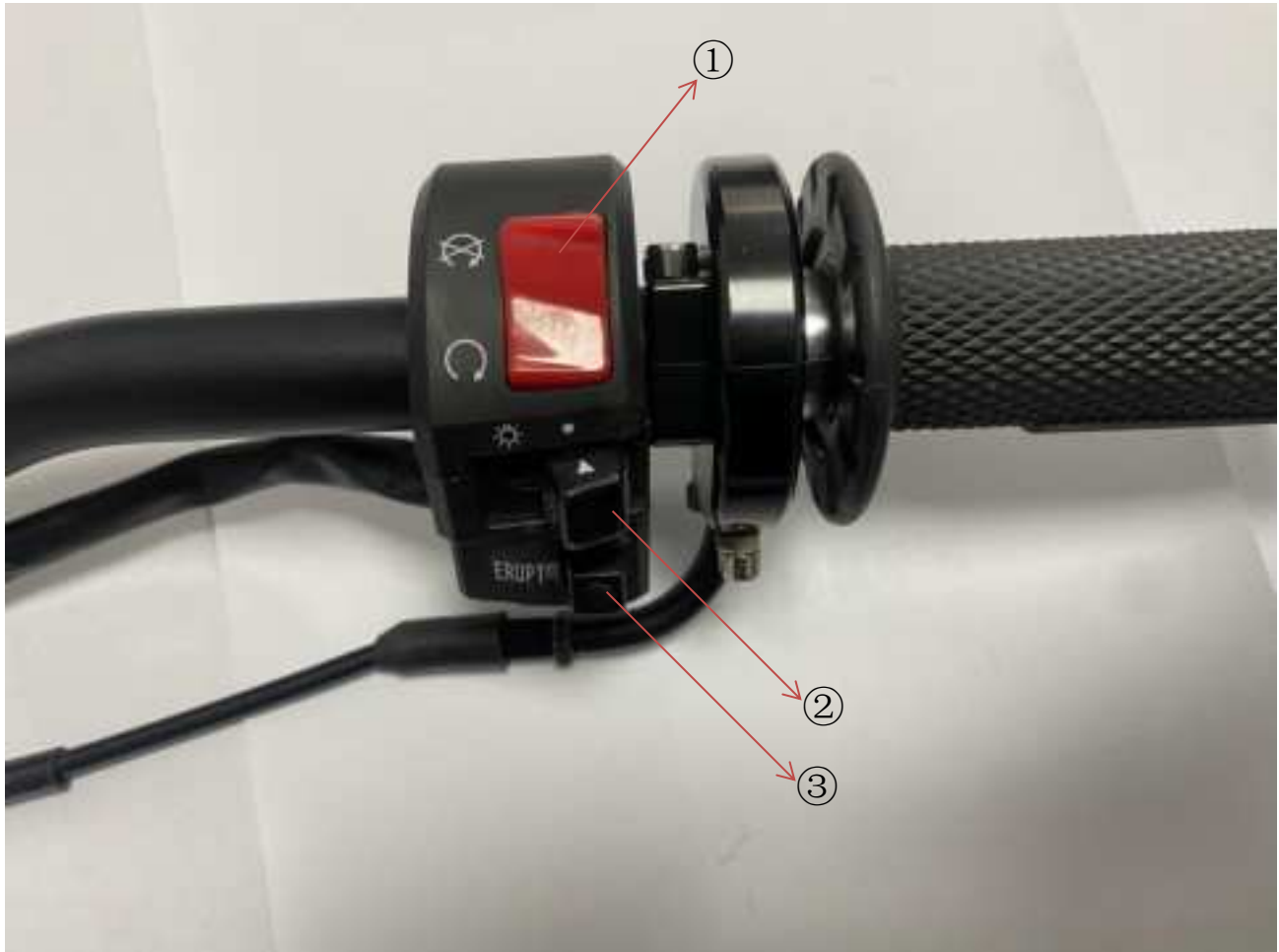
- ⑥Mode indicator
- ⑦High beam indicator
- ⑧Direction indicator
- ⑨Reverse gear indicator
- ⑩Motor speed

## Left handlebar switch unit



- ①Mode transfer switch (L is low power, H is high power)
- ②Reverse switch (R for reverse, D for forward)
- ③Horn switch

## Right handlebar switch unit



- ① Stop switch
- ② Headlight switch
- ③ Booster switch (valid when pressed for a long time during driving)

## Spot check and maintenance before driving

### Spot check before driving

If not check the motorcycle before riding, or not do proper spot check and maintenance of the motorcycle will increase the risk of accidents or damage.

It is usually necessary to spot check the motorcycle when you use it to ensure that its operating conditions are safe. Please refer to the following:

#### (1) Steering device

- ① Smooth
- ② Steering flexibility
- ③ No clearance or looseness

#### (2) Throttle

- ① The accelerator can act effectively under the action of the lacing wire
- ② The operation is smooth, and the throttle handle returns to the closed state smoothly

#### (3) Braking

- ① Handle and pedal operate normally
- ② The brake pads/discs are not worn to the maximum

#### (4) Shock absorber

Stable movement

#### (5) Tyre

- ① Tire pressure is correct
- ② The tread depth is sufficient



③ No signs of cracks or cuts

(6) Lighting

All lighting devices and indicators operate normally

(7) Horn

Orthergasia

## Daily maintenance items

1. For the first time oil change, use the special oil for four stroke gearshift vehicles after the vehicle has driven 2000 km, and use the oil with lower viscosity to reduce the transmission resistance. The oil model used in the original vehicle is sj10w40, and the oil filling amount is the best according to the middle position of the oil window. After that, change the oil every 5000 km.
2. The battery is not used for a long time. Unplug the battery. The best storage voltage is 72-74V. Check the voltage every 30 days and supplement it in time.
3. After each use, check the tightness of the chain, clean and use rust proof lubricant in time, and replace the chain when it reaches the limit.
4. Clean the switch and plug with compressed air after washing the car.
5. The shock absorber system shall be maintained regularly and the special oil for shock absorber shall be replaced.

### *Notes:*

*Tips for using the clutch: The torque output of the motor is different from that of the internal combustion engine. The clutch is only used when shifting gears. It is prohibited to use the half clutch. If the incorrect half clutch state continues to work for 10 seconds, the clutch plate can be burned. The clutch plate is not within the warranty range. Please use it as required*

*to reduce the damage to the clutch plate!*

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## Driving essentials

4

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Understand limits

Ride within your capabilities. Understand limits and observe limits to avoid accidents.

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Pay special attention to rainy days. The braking distance in rainy days is twice that in sunny days. When driving, avoid well covers, paint marks and greasy roads on the road to avoid skidding. Don't accelerate when cornering sharply. Be very careful when crossing railways, bridges, etc. Keep a safe distance from the vehicle in front.

Defensive riding

Frequent motorcycle accidents occur when the motorcycle is running close to the car, and the motorcycle is back relative to the car, and the car turns. Riding a motorcycle should have defensive measures, that is, defensive riding. Defense method: wear bright clothes that can reflect light. Avoid driving a motorcycle in the blind spot of other drivers.

*Note:*

*Speeding will increase the risk of losing control of the motorcycle, resulting in accidents. Always drive the motorcycle at a speed that is suitable for the terrain, visibility and operating conditions, as well as your skills and experience. An inexperienced rider may not be able to fully utilize the front*

*brakes. This can lead to long stopping distances, which can lead to collisions. Only using the front brake or the rear brake will cause slip and loss of control, so you must use the front and rear brakes at the same time.*

## Long term storage process and motorcycle cleaning

5

### Precautions for long-term storage

1. For long-term storage, unplug the main battery plug and battery instrument communication plug.
2. Charge the battery at the specified charging rate every month.
3. Inflate the tire to normal specification.

### Motorcycle cleaning

The following instructions should be followed when cleaning the motorcycle:

1. Use clean tap water to remove dust and dirt from the motorcycle. You can use a soft sponge or brush. Do not use hard materials that may scratch the plastic parts.
2. Use sponge or soft cloth to clean the whole motorcycle with neutral detergent or car detergent. The sponge or cloth should be constantly soaked in soap solution.
3. Once the dust is completely removed, rinse the cleaning agent with tap water.
4. After washing, use a wet soft leather or cloth to wipe the motorcycle and place it in a cool place to dry.
5. When the instrument/meter needs to be cleaned, it should be gently wiped with a damp cloth.

*Note:*

*Clean the motorcycle with clean water immediately after riding on the road containing salt or along the coast. As warm water may accelerate corrosion, make sure to use cold water. Do not directly spray the electrical components on the motorcycle with a high-pressure washer.*

*After cleaning the motorcycle or riding in the rain, the lamp*

*lens may not be clear. When the lamp is turned on, the fog of the lamp shall be removed gradually.*