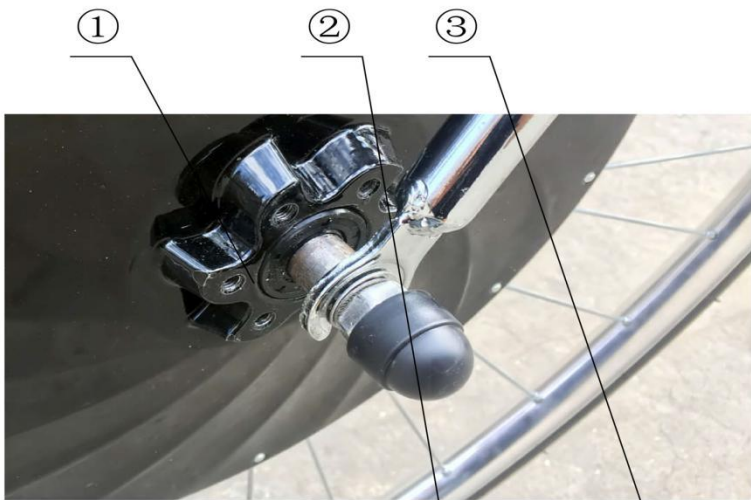


Product Sample for iMortor Installation



⑦	<b>Gear shifters</b>
⑥	<b>Cellphone bracket</b>
⑤	<b>iMortor subject</b>
④	<b>Inter-cut Battery</b>
③	Connector of lead wire and cellphone bracket
②	Connector of iMortor subject and lead wire
①	<b>Installation surface of disc brake</b>
S/N	Name



⑥ ⑦

## Standard accessories in iMORTOR



iMortor subject (including battery) X 1



Optional battery X 1



Charger X 1



Quick release wrench X 1



APP speed shifter X 1



Digital display speed shifter X 1



Hexagon wrench X 1 in gear shifters



Preventing rotation washer X2

Choose one in the two speed shifters



Flange nut X2



Flat washer X 2



Spring washer X 2



Protective jacket of nut X 2

## Optional accessories in iMORTOR

### Ordinary



Charging transfer wire X 1



Cellphone bracket X 1

### Multi-function



Function wire (four-head eight-core) X 1



Cellphone bracket X 1



Flat washer X 1



magnet X 1



Booster X 1

### Others



push-button switch X 1



Function wire X 1

## **1. Safe Usage of iMortor**

### **1.1 About safe usage**

Please abide by the relevant content of *User Manual*, then you would safely drive the iMortor. We intensely recommend you shall seriously read the *User Manual* before driving the iMortor for the first time. Please check whether the iMortor tire is damaged and whether the parts are loose before driving. And please promptly contact the seller for maintenance in case there is any abnormal condition.

Please seriously read *User Manual* and you would gain very important safety information, such as the installation method, operation method, app usage, etc.

Please don't take advantage of the iMortor for anything which endangers the body or assets.

Please don't refit the component of iMortor at will, because the behavior not only influences the performance of iMortor, but also damages the iMortor.

### **1.2 Maximum load weight**

The reason why the driver's weight is limited includes the following two aspects:

1.2.1 Ensure the safety of drivers;

1.2.2 Reduce the damage to iMortor due to the overloading.

Maximum weight limit of drivers: 180Kg;



**Overweight Would Damage the iMortor**

### **1.3 Endurance mileage**

The factors which influence the endurance mileage include the following aspects:

- 1.3.1 Terrain: Driving distance would increase when driving on smooth and flat ground;
- 1.3.2 Weight: The weight of drivers would influence the driving distance;
- 1.3.3 Environment temperature: The driving distance would be reduced under the extreme temperature;
- 1.3.4 Maintenance: Reasonable charging and battery maintenance would increase the driving distance;
- 1.3.5 Speed and driving style: The driving distance would increase by keeping the medium speed, on the contrary, the frequent startup, stop and acceleration would reduce the driving distance.

## **1.4 Speed setting**

- 1.4.1 The driving speed of iMortor at leisure gears, movement gears and topspeed gears is respectively 16km/h, 20km/h and 26Km/h.
- 1.4.2 Don't suggest the overspeeding operation when the iMortor is driven.

## **2. Installation of iMortor**

**Please carefully read the *User Manual* before installation, and pay attention to relevant safety matters.**

### **2.1 Installation of iMortor hub**

- 2.1.1 Step 1: Upend the vehicle frame before retrofitting, then take the front hub set down. < Refer to Figure 1 in details>
- 2.1.2 Step 2: Install the disc brake of iMortor hub (the cycle brake doesn't need to install the disc brake). Please use original disc brake upon installation, and tighten the opposite angles of bolt to avoid the screw deviation. < Refer to Figure 2 in details>
- 2.1.3 Step 3: Install the iMortor hub (the alignment axis flat-square is elected for installation according to the opening direction of your love car). < Refer to Figure 3 in details>

**Attention: Please add the adjustment washer with suitable quantity according to the bottom fork opening of your love car in order to ensure the optimum installation locking.**



2.1.4 Step 4: Lock the iMortor: firstly screw the nut with hands preliminarily, then lock the iMortor hub with the donative special locking sleeve.

< Refer to Figure 4 in details >

**Attention: Please select the direct in which the battery position could be staggered according to the bottom fork location of your love car for the locking in order to ensure the battery could be successfully inserted and plugged.**

2.1.5 Step 5: Observe the bounce, please rapidly stir the hub with hands after locking the iMortor, then check where the hub has the grinding, abnormal sound and other bad installation phenomenon. < Refer to Figure 5 in details>

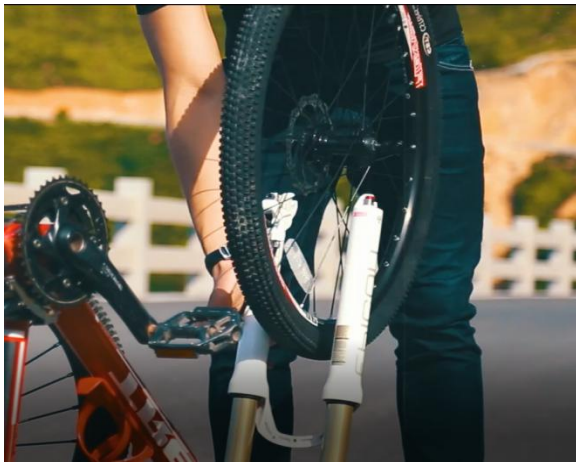


Figure 1



Figure 2



Figure 3



Figure4



Figure 5

## 2.2 Installation of driving gear shifters of iMortor

2.1.1 Step 1: Dismantle the handlebar gloves. <Refer to Figure 5 and 6 in details>

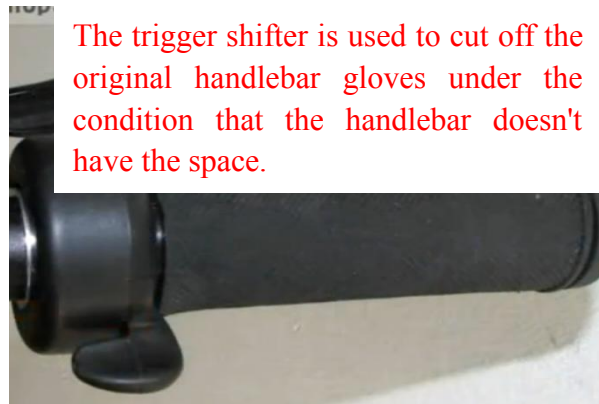
**Attention: In case the gear shifters space has shortage after the gear shifters are installed, the original handlebar gloves could be slightly sheared.**

2.1.2 Step 2: Install the iMortor gear shifters: insert the iMortor gear shifters into the suitable location of handlebar rod of your love car, and lock the gear shifters with hexagon wrench of special gear shifters donated. < Refer to Figure 7 in details>

2.1.2 Step 3: Debug the iMortor gear shifters: adjust the iMortor gear shifters to the suitable radial position according to your usage habit. < Refer to Figure 8 in details>



Figure 5



The trigger shifter is used to cut off the original handlebar gloves under the condition that the handlebar doesn't have the space.

Figure 6



Figure 7



Debugging of trigger shifter

Figure 8

## 2.3 Installation of cellphone bracket of iMortor

2.3.1 Step 1: Select the direction of your love car, and the suitable blank position is used to install the cellphone bracket of iMortor. < Refer to Figure 9 in details>

2.3.2 Step 2: Install the cellphone bracket of iMortor, unfasten the locknut of cellphone bracket of iMortor, thread the soft lock bank through the handlebar pipe that you would install, then install the locknut. <Refer to Figure 10 and 11 in details>

**Attention: You shall determine whether the bracket positioning is added to install the cushion on the basis of size of handlebar at the installation location of your love car when the cellphone bracket of iMortor is installed.**

2.3.2 Step 3: Lock the cellphone bracket of iMortor, and adjust the cellphone bracket of iMortor to the suitable radial position according to your usage habit, and lock the positioning nut. < Refer to Figure 12 in details>



Figure 9



Figure 10



Figure 11



Figure 12



## 2.4 Installation of iMortor lead wire for connection

2.4.1 Step 1: As for the connection of the iMortor lead wire and the cellphone bracket of iMortor, find out the two-core waterproof connectors of iMortor lead wire and iMortor cellphone bracket, then insert mutually and lock them. < Refer to Figure 13 in details>

2.4.1 Step 2: As for the connection of the iMortor lead wire and the iMortor hub, find out the eight-core waterproof connectors of iMortor lead wire and iMortor hub, then insert mutually and lock them. < Refer to Figure 14 in details>



Figure 13



Figure 14

**Attention: the power must be cut off when connecting leading wire and strictly prohibit connecting after inserting the battery.**

**The connection mode of multifunctional version leads is referenced to <7.2 Connection of four-head eight-core wire >**

## 3. Usage of iMortor

### 3.1 About gear shifters

**Digital display speed shifter is referenced to <7.3 Digital display speed shifter operation instructions>**

The gear shifters of iMortor belong to the custom-made driving gear shifters accelerator, its function includes the power switch, battery capacity display and speed driving.

In which, the red button on gear shifters is the power switch button, the red, orange and yellow LED lights are the display lights of battery capacity, and the stir pick on gear shifters has the speed drive function. In which, the lights of red, orange and yellow are bright, which means the full capacity, the lights of red and orange are bright, which means 70% capacity, only the red light means 30% capacity. <Refer to Figure 15 in details>

**Attention: The inner diameter of location hole of iMortor gear shifters is 22.5mm. In case handlebar size of your love car is slightly small, please appropriately add the soft leather cushion delivered by us to adjust the rubber.**

### 3.2 About cellphone bracket

The installation size of iMortor cellphone bracket is the open-type size, the installable positioning size is within 15-35, and it integrates the USB charging function. <Refer to Figure 16 and 17 in details>



Figure 15



Figure 16

**For other Optional accessories, see <7 Installation of Optional accessories>**

### 3.3 About APP

The feedback function of main page of App includes: < Refer to Figure 18 in details>

3.3.1 Operational data of complete machine: Driving speed, driving mileage and driving gear.



Figure 17

3.3.2 Operational data of parts Electric power and fault display of battery (including the motor fault, brake, battery under-voltage, controller fault, gear shifters fault, etc.).

The feedback function of auxiliary page of App includes: < Refer to Figure 19 in details>

3.3.3 Operational data of complete machine: Working time, total driving mileage, measurement unit of mileage (kilometer or mile), geographic position of driving.

3.3.4 Operational data of parts Selection of battery voltage and vehicle wheel diameter (extend from 6 inch to 28 inch, please select the wheel diameter size according to the wheel diameter size of your love car), and the selection of magnetic pole number of motor (extend from 2 poles to 80 poles. you shall select 56 poles on the basis of the motor design).

Backstage page function of App also includes: <Refer to Figure 20 in details>

3.3.5 Password setting and modification of cellphone, brief introduction of app, special functions of app, problem solution, feedback, etc.

**Attention: Besides, if you need the software in English version, you only need to change the cellphone voice into English voice.**



Figure 18

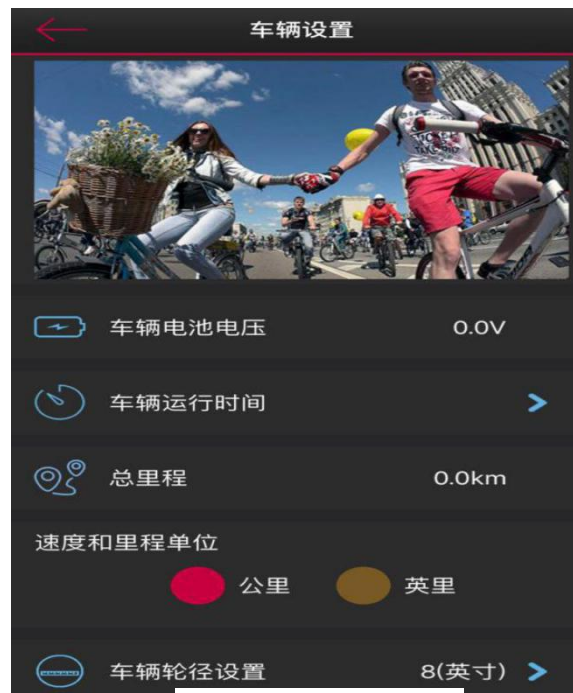


Figure 19



Figure 20

## **About riding**

3.4.1 Step 1: Check whether all components of iMortor are properly installed, and check whether there is loose condition, breakage and other abnormal phenomena.

3.4.2 Step 2: Install the iMortor app only by scanning the QR code. (Android and iPhone system could install by scanning the QR code)<Refer to Figure 21 in details>

3.4.3 Step 3: Open the bluetooth function and the iMortor just installed for special development of app "iMortor". <Refer to Figure 22 and 23 in details>

3.4.4 Step 4: Press the power switch button on the iMortor gear shifters, and observe whether the power indicator light on the gear shifters indicates the active electricity. < Figure 24>

3.4.5 Step 5: Connect the complete machine of iMortor with the connection function in app, please input the connection passport upon connection, and the initial passport is "0000". <Refer to Figure 25 in details>

3.4.6 Step 6: Check whether app normally operates. You could check your battery capacity and battery voltage lamp information in your cellphone app under the static state of iMortor. <Refer to Figure 26 and 27 in details>

3.4.7 Step 7: When you start to drive the iMortor assistance riding product, you shall firstly drive with your leg strength to let your love car drive at no less than 5km/h, then accelerate by stirring the speed drive pick on iMortor gear shifters with hand. (Before riding, you could adjust the gear that you need upon driving in the iMortor app)

3.4.8 Step 8: When you need to reduce speed for brake, you shall firstly loosen the speed drive pick on iMortor gear shifters, then conduct the brake.





Figure 22



Figure 23

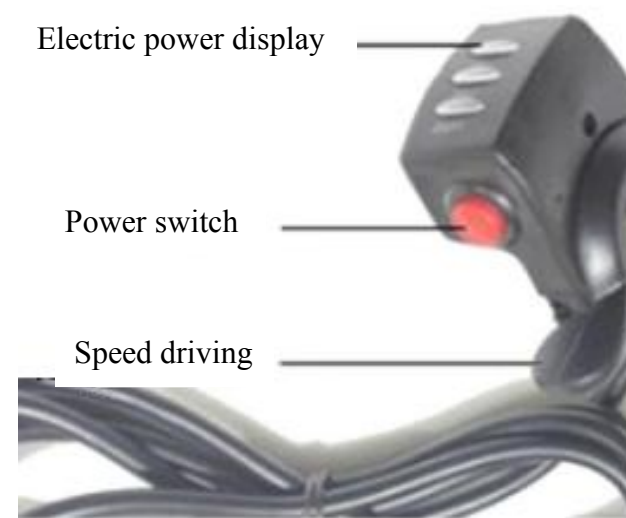


Figure 24



Figure 25



Figure 26



Figure 27

### 3.5 About charging

3.5.1 Step 1: Select the charge method. (Since the battery of iMortor is the dismountable battery, so the charge methods include the charge in the connector of cellphone bracket and lead wire, the direct charge to the battery)(Refer to Figure 28 and 29 in details)

3.5.2 Step 2: Plug AC plug in daily AC socket, and observe whether the indicator light on charger is normal green. <Refer to Figure 30 and 31 in details>

>3.5.3 Step 3: Tightly plug the charging socket selected by you with the corresponding charging socket pair, and observe whether the green indicator light changes into red indicator light on charger. <Refer to Figure 32 in details>

3.5.4 Step 4: After the indicator light on charger changes into green and is normally bright, it means full capacity. <Refer to Figure 33 in details>(In case the dead battery in charger is charged and the indicator light is normally bright and green, it indicates that the charger has been damaged, please replace new charger)



Figure 28



Figure 29



Figure 30



Figure 31



Figure 32



Figure 33

#### 4. Safety Guidance for Driving

The following contents include the safety knowledge and warning statement, please know some safety precautions before using the iMortor. In order to ensure that you could safely drive the iMortor, please read through the *User Manual* and abide by the relevant safety instructions. Please pay attention to all safety warnings and usage precautions as mentioned in *User Manual*. And your safety and delight sense for drive of iMortor could be improved by knowing these safety precautions.

In order to avoid the damage, you shall seriously read and refer to the instructions of User Manual to drive the iMortor and ensure the usage with good product performance.

The children shall use when the adults accompany. The old men who have the heart disease history and hypertension, lack the self-protection awareness due to the inconvenient movement of hands or feet shall not be allowed to use as well as the pregnant women and the disabled.

Please don't drive after drinking or using drugs, and don't drive with goods.

Please pay attention to the local traffic laws when driving the iMortor, and give precedence to the pedestrian.

Please look out the front and remote objects. It helps you drive driving iMortor safer to keep good vision.

Please wear suitable sportswear to use the iMortor, which is conducive to the emergent condition treatment for you better.

The weight of user and goods carried shall not exceed the maximum load indicated in the instruction. Keep the vehicle speed in the scope that the safety of yourself and others could be ensured, and the operation of iMortor could be prepared and stopped at any time.

When you drive with other users who drive the iMortor together, please mutually keep certain distance to avoid the crash.

Don't distract when driving the iMortor, for instance, answer the telephone, listen to music, engage in any other activities. Pay much attention to the safety when driving the iMortor on the wet and slippery road.

Don't drive the iMortor in the place with dark or dim light.

Avoid driving on the smooth road with barrier, such as: Snowfield, ice land, wet and slippery floor.

Avoid driving in the place with narrow space or barrier.



Please use in the usage condition that the iMortor conforms to. And please gain the approval of others in case of usage with environment demand.

The usage of iMortor in the unsafe environment isn't allowed. These unsafe environment refers to the site with fire hazard or explosion and other dangerous events incurred due to the inflammable gas, steam, liquor, dust or fiber, etc.

## **5. Instructions of Battery**

In order to furthest prolong the battery service life and improve the battery performance, please use the battery according to the following operations.

### **5.1 Insufficient battery capacity**

5.1.1 When you find that the electricity capacity indicator light on iMortor gear shifters is red and glitters, it indicates that the electricity capacity isn't enough, please promptly charge or apply the leg strength to conduct the auxiliary driving at this time.

5.1.2 Please don't use the battery in case one of the following conditions occurs:

The battery has some unpleasant smell or has too high heating;

The battery leaks any substances.

Please contact the seller's personnel for the disassembly and maintenance of battery. Don't contact any substance leaked from the battery. Don't let children and animals contact the battery. The charger shall be pulled out before the battery installation or driving. It's dangerous to do anything related to the iMortor under the charging condition. Since the battery contains dangerous substance, so don't open the battery arbitrarily, and don't insert anything in the battery. Only the charging equipment in our company could charge the iMortor. The charging to lithium battery which has excessively discharged isn't allowed, because the lithium battery has potential safety hazard, it shall be scrapped. The usage of iMortor battery shall be allowed in the local laws.

### **5.2 Charging tips**

Ensure the charging port is dry.

Long-time charging would influence the battery service life. Pay attention to using the local standard plug.

Please charge and store the battery according to the regulations, otherwise the battery would be damaged, which would influence the battery service life. The charging time of iMortor is about 2 hours, and the overlong charging time would influence the battery service life.

The environment for charging shall keep clean and dry.

Don't charge in case the charging port is humid.

### **5.3 Over-high or over-low temperature**

If you want to make the operation efficiency of iMortor highest, the battery temperature shall be within the temperature scope indicated in the battery specification instructions. The temperature before the charging and in the charging process shall be within the recommended value. The charging efficiency is the highest when the temperature is close to the recommended temperature. In case the temperature is too-low or too-high, the charging time would lengthen or the battery couldn't be fully charged.

### **5.4 Detailed parameters of battery**

Name	Parameter
Battery type	Lithium battery
Charging duration	2 hours
Voltage	36V
Initial capacity	3-4 Ah
Operating temperature	-15-50°C
Charging temperature	0-40°C
Storage time (-15-50°C)	12 months
Relative humidity for storage	5%-60%

## **5.5 Precautions for transport battery**

The lithium battery is the dangerous goods, so please read the local laws and regulations in advance upon transport.

In case you need to conduct the air transport to iMortor with lithium battery or independently transport the lithium battery of iMortor by any other transport method.

## **6. Warranty Service Scope**

### **6.1 Warranty service scope**

6.1.1 The products in our company implement the relevant three guarantees of state. Our company provides the free maintenance, goods exchange and goods return service for the products which conform to the warranty conditions.

6.1.2 The company calculates whether the product is within the warranty validity period from the delivery date by virtue of the effective code.

6.1.3 In case the equipment performance problems occur within 7 days from the sale date and the problems are confirmed, the users could select the maintenance, exchange goods or goods return.

6.1.4 In case the equipment performance problems occur within the warranty period and the problems are confirmed, our company promises the free maintenance.

6.1.5 The complete machine has 1-year warranty period, the battery and charger have 6-month warranty period, and the inner and outer tubes of wheel have 1-month warranty period.

6.1.6 Within the warranty period, the following conditions don't belong to the free maintenance scope, please pay attention to them.

6.1.6.1 Any damage due to the failure of installation or usage according to the instructions.

6.1.6.2 Disassembling and maintenance of products who aren't the authorized personnel in our company.

6.1.6.3 Natural wear which doesn't influence the product functions, such as the wear of shell, tire, etc.

6.1.6.4 Product damage incurred due to the accident or improper usage, such as mechanical disruption, breaking, impact, severe oxidation of products, etc.

6.1.6.5 Damage incurred due to the overload, riding barrier (including but not limited to steps descending, falling, etc.) and extreme sports, etc.

6.1.6.6 Damage incurred due to the disassembly, transport, loading and unloading on the way of customers' return for repair.

6.1.6.7 Any damage incurred due to the abnormal storage conditions such as the fire hazard, liquid soaking, freezing, earthquake, etc. or force majeure .

6.1.6.8 Loss of packing materials, various technical data and other damageable accessories.

6.1.6.9 Faults or damages caused by reasons other than the design, technology, manufacturing and quality of the product.

6.1.7 Our company provides the paid maintenance service for the fault products exceeding the quality guarantee period.

## **6.2 Service commitments**

6.2.1 Jingdoun Science and Technology Co., Ltd. ensures you that the products sold are the licensed quality goods.

6.2.2 The company ensures that the delivery products are produced and inspected according to the relevant state standards, and the relevant function inspections are conducted before delivery.

6.2.3 Ensure to strictly perform and achieve three guarantees of products, and to strictly implement the relevant after-sale service regulations of national industry products.

## **7. Installation of Optional accessories**

### **7.1 Installation of brake breaker**

7.1.1 Step 1: paste 3M adhesive on the back of brake breaker <detailed in Fig. 34>.

7.1.2 Step 2: select a flat position at the fixed end of bicycle brake crank and paste the brake breaker <detailed in Fig. 35>.



7.1.3 Step 3: paste magnet on the brake and pay attention to aligning magnet at the brake breaker. In case of a big distance of between the magnet and the brake breaker, adjust the height of magnet using 3M adhesive <detailed in Fig. 36> and test the brake after installation (the motor is powered off after manual braking) <detailed in Fig. 37>.



Figure 34

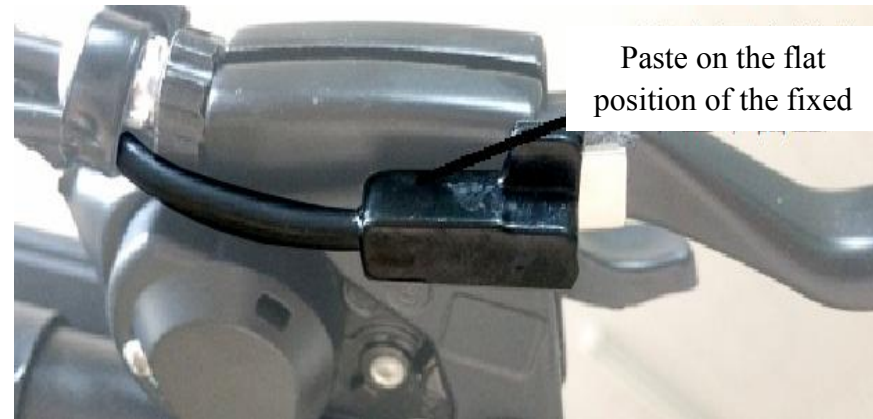


Figure 35

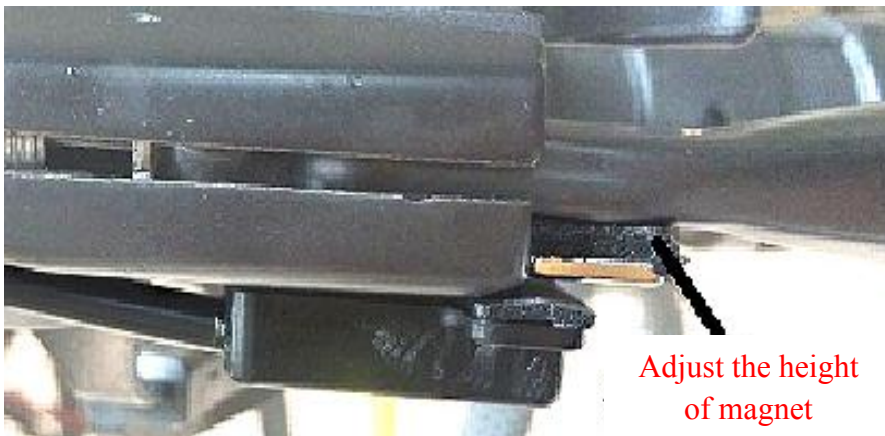


Figure 36



Figure 37

## 7.2 Connection of four-head eight-core wire

7.2.1 Align arrows on two lines before inserting the plug. **Attention: the power must be cut off when connecting leading wire and strictly prohibit connecting after inserting the battery.** <detailed in Fig. 38>



## 7.3 Digital display speed shifter operation instructions

### 7.3.1 Functional Specification:

#### 7.3.1.1 Display function:

Speed display, power display, malfunction-indication, total mileages, single mileage, real-time voltage

#### 7.3.1.2 Key Control ,Setting Function:

Function keys: multifunctional switch key, power key, three speed control key

Setting function: wheel diameter setting, magnetic series setting, idle dormant time setting, limit speed setting, cruise setting ,backlight brightness setting etc.

#### 7.3.1.3.Display Interface <detailed in Fig. 39>

##### 7.3.1.3.1 Power Display

1 lattice indicate 0-25% power, 2 lattices indicate 25%-50% power, 3 lattices indicate 50-75% power, 4 lattices indicate 75%-100% power.

##### 7.3.1.3.2 Speed Display

Display the speed under regular work ; display setting items under setting parameter, setting items meaning as follow:

P01 : backlight brightness , the darkest under 1 level , the brightest under 3 level

P02 : mileage unit , 0 : KM ; 1 : MILE ;

P03 : voltage level : 24V , 36V , 48V , **default factory setting is 36V** ;



Figure 39

P04: dormancy time: 0, no dormancy, other numbers display dormancy time, range limit: 1-60, unit is minute; for example, 5 means the key without any operating in 5 minutes, then the screen under dormancy

P06: wheel diameter: unit, inch; precision: 0.1;

P07: velocity magnetic steel: **default setting 60**; range limit: 40-66

P08: speed limit: range: 0-100km/h, 100 means no speed limit;

P09: zero speed start or No zero speed start settings, 0: zero speed start; 1: no zero speed start;

P10: drive model settings

0 : booster drive (through booster decide the power, the speed shifter is invalid at the time); 1 : speed shifter drive (the booster is invalid at the time) ; 2 : booster and speed shifter are using together。 **Attention :Booster is a optional accessory of the multi-function version, please do not arbitrarily change the default factory setting.**

P11: **booster** sensitivity setting : 1-24 (1 means the weakest sensitivity, 24 means the strongest sensitivity) 。

P12: **booster** start strength setting: 0-5 (0 the lowest power strength, 5 means the highest power strength) 。

P13: **booster** types setting: 5, 8, 12 , these three types represent the number of magnets in the booster < Take figure 40 as an example, The white magnet has 12, so the setting value is 12>.

P16: zero setting, long press multifunctional switch key 5 seconds to zero。

P17: cruise setting 0: no cruise, 1: cruise, (has a second speed shifter start or **booster** start could interrupt the cruise) 。

#### 7.3.1.3.3 Multifunctional Display

Total mileages ODO、 single mileage TRIP、 real-time voltage;

Some iMORTOR has the function of fault code ERRO display, which represents the following meanings:


Fault code (decimal system)	Fault state		Fault code (decimal system)	Fault state
0	Regular state		7	Motor fault
1	Retain		8	<b>Speed shifter fault</b>
2	Brake		9	<b>Controller failure</b>
4	6KM/H cruise		10	Communication receiving fault
5	Real-time cruise		11	Communication transmitting fault
6	Low voltage of battery		12	BMS communication failure


#### 7.3.1.3.4 Three Speed Display


Display the low gears, medium gears or high gears at present


### 7.3.2 Operation Manual

#### 7.3.2.1.Motor Start & Motor Use






**Open:** long press power key  start digital display speed shifter. zero start motor : we could press the speed adjustment paddles then drive; no zero start motor :need riding and press the speed adjustment paddles, then the motor work;

**peed control:** press the three speed control key,  switch the speed in three gears low speed, medium speed, high speed;




**Check traveling record:** press multifunctional switch key , check mileages.




**Shutdown:** long press power key. 




#### 7.3.2.2 Initial Setup



Hold down  and  at once , enter the settings screen , press  to switch the setting items , when the speed screen display P03 , Press  ( or  ) until multifunction display 036 ( if your iMORTOR is 36V);



Press  to switch setting items , when the speed screen displays P06 , press  ( or  ) to adjust numerical values , according to the range of tires to input , for example, 26 " input 26.0 。

Press  to switch setting items , when the speed screen displays P07 , press  ( or  ) adjust to 60。

Press  to switch setting items , when the speed screen displays P09 , press  (or  ) adjust to 1。

Hold down  and  to escape , or wait for 5S , then escape to setting interface automatically。

After finished, we could drive; advice you to start in a low speed, use medium speed when regular riding, use high speed when climbing。

## 7.4 Installation of booster



Figure 40



Figure 41



7.4.1 Prepare the booster disk and the booster inductor, dismantle the booster disk <detailed in Fig. 40>

7.4.2 Combine the booster disk and fix on the pedal axle; then entangle steel ring on the groove of the booster disk, and adjust the booster disk to avoid inclining. <detailed in Fig. 41>

7.4.3 Adjust the position of the sensor, align the cross-shaped induction area on the inductor at the circular metal block on the booster disk and adjust a proper distance in order to reach the best induction effect. <detailed in Fig. 42>

7.4.4 After installing the inductor, connect the line, insert the battery and turn on the power. Then rotate the bicycle pedal and observe whether the red lamp of the inductor is normal. If the induction lamp is blinking, the inductor has been successfully installed <detailed in Fig. 43>.



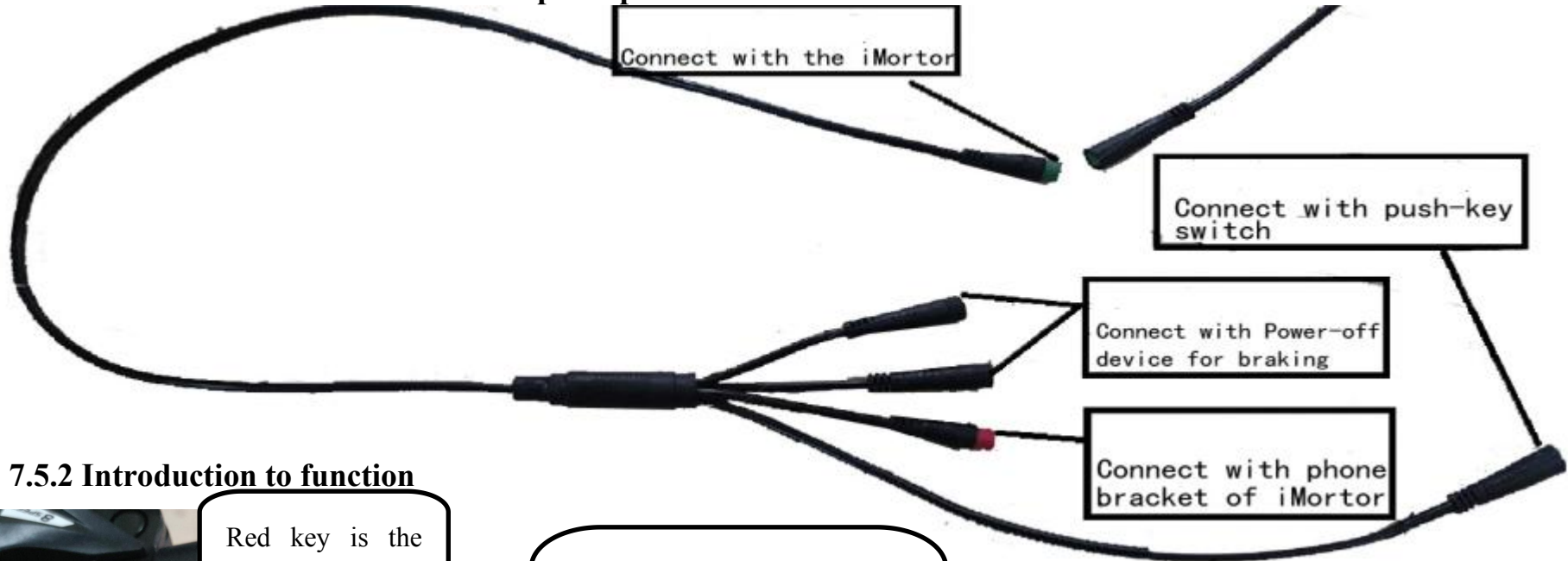
Figure 42



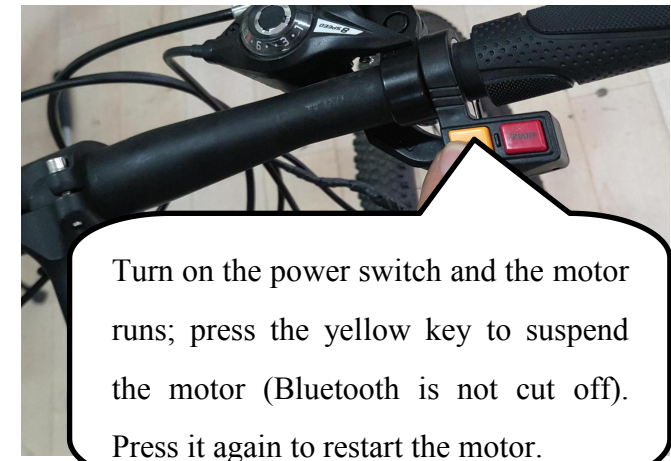
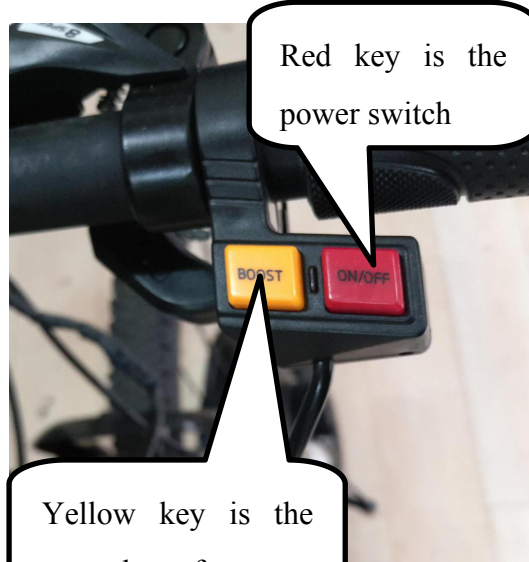
Figure 43

## 7.5 Instructions for key switch

### 7.5.1 Instruction to connection mode of principal functional line



### 7.5.2 Introduction to function



## 8. Common troubleshooting

### IMORTOR平叉扁口尺寸修正 *The Size Of "IMORTOR" Fork Correction*

为了更好地配合电机尺寸，车架扁口需要修改尺寸如下：

When the motor shaft can't be put in, please Correct the size of fork.





IMORTOR电池卡车架减震应对方案  
Make The Battery Out Of Touch With Bicycle Fork



## 碟刹卡电机处理方案

Keep Brake Not Touching The "IMORTOR"

### 一、刹车卡电机的后果 Brake Touch The "IMORTOR"



碟车总成太厚  
Brake Is Too High



碟刹片  
Disc Brake

擦电机壳体  
Touch The "IMORTOR"

当您的自行车碟刹总成是加厚的，请确认厚度是否超过电机碟刹片高度。如果超过碟刹片高度，则碟刹总成往里调会擦电机壳体，往外调会擦碟刹片。遇到以上情况请按以下方案处理。

When the brake either touch the "IMORTOR" or touch disc brake, please follow this steps to keep the brake not touching the "IMORTOR".

### 二、处理方案 Response Plan



1.在工具包内找到6个垫片，和2.5mm内六角工具  
Fined Tools and gaskets

2.逆时针卸掉螺丝，拿掉碟刹片  
Screw Off Counterclockwisly, Take Off Disc Brake



3.在每个螺丝孔上垫上垫片（可用胶水固定，胶水不可滴到孔内）  
Put Gasket On Each hole (Glue Can Be Used)

4.对角紧固螺丝  
Diagonal fastening screw



注意碟刹片的花纹方向Pay Attention To The Direction





## IMOTOR拆机返修方案 Disassemble The "IMORTOR"

当imotor不能正常使用时，请首先通过手机APP显示界面确认云智轮哪里出故障。对于APP显示电机坏或控制坏的，可按以下方式拆卸电机并寄回我方或任何我方指定的维修点维修。

When APP shows motor bad or controller bad, you should disassemble the "IMORTOR" and send it back.

### 一、拆下 IMORTOR

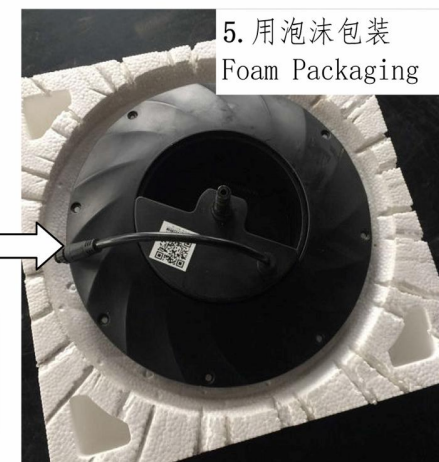
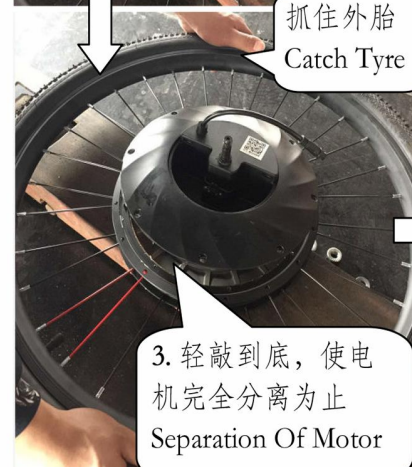
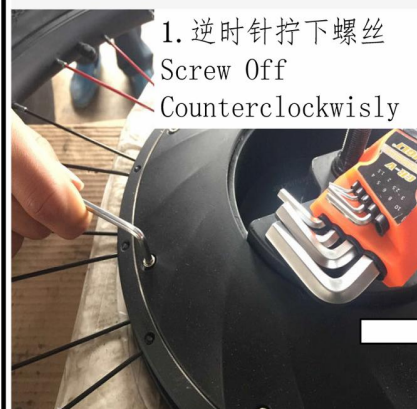
1st. Remove the "IMORTOR"





## 二、拆开 IMORTOR

2nd. Open the "IMORTOR"



# IMORTOR电机更换端盖 End Cap Replacement

当IMORTOR的端盖或轴承损坏时，请参照以下步骤更换端盖。

When the end cover or bearing in the IMORTOR is damaged, please follow these steps to replace end cover.

## 一、卸下端盖

### 1st. Remove End Cover



## 二、装上新盖子

### 2nd. Install New End Cover



1. 在桌面上铺一层布，保护漆包线，将定子支架靠在桌面上  
Use cloth to protect the enameled wire. Put support frame on table

2. 把新端盖平放在定子上  
Put a new end cover right onto the support frame.





IMORTOR组装  
Assembled The "IMORTOR"

方案一  
Plan 1



1. 找个有孔的工件垫在碟刹面下面  
Find something with hole to put  
under the "IMORTOR".



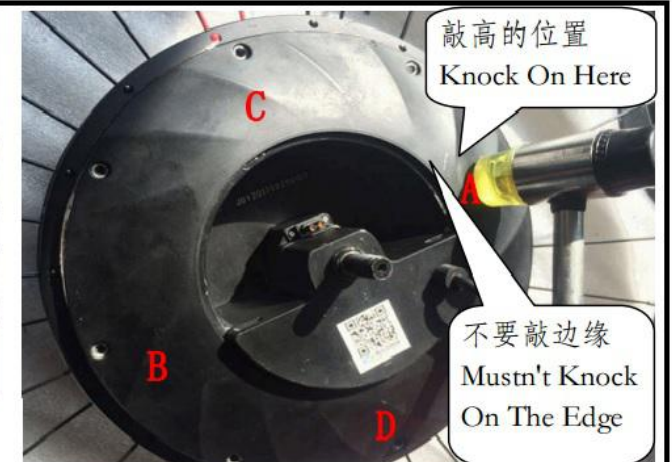
不可顶在碟刹片上  
Not On The Disc Brake



2. 抓住轴，把电机组合起来  
Catch the shaft to assemble the "IMORTOR".



严禁抓在锭子上装配  
It's Dangerous



3. 对称地、轻轻地把盖子敲入锭子(按ABCD顺序敲), 注意不要敲斜  
Knock end cover into the support frame  
lightly (Knock According To ABCD  
Order), no tilt.



4. 对角紧固螺钉  
Fasten Screw  
diagonally  
(According To  
12345678  
Order).



如果你找不到任何可以用来垫电机的东西，请参照方案二装配电机

If you can't find anything with hole to put under the "IMORTOR", please follow Plan 2 to assemble the "IMORTOR".

## 方案二 Plan 2



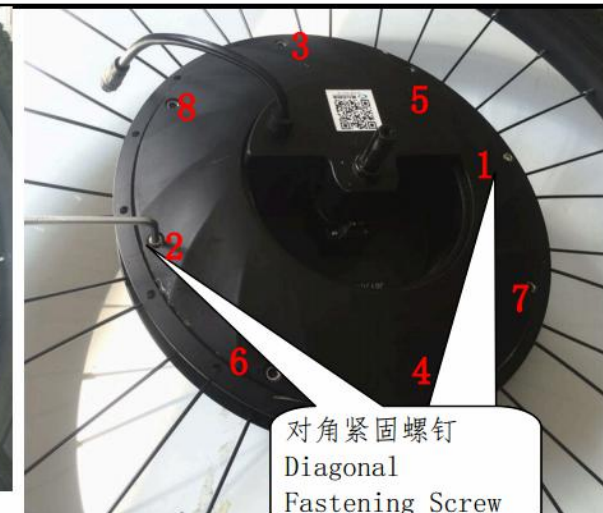
1. 抓住盖子，以防在敲击时盖子掉出来  
Hold the end cover in case the end cover falls off when knocking.



2. 在木板上敲击，小心电源线  
Knock on the board. Be careful of the power wire.



错误：没有抓住端盖  
Wrong: Not holding the end



对角紧固螺钉  
Diagonal  
Fastening Screw

3. 对角紧固螺钉  
Fasten Screw diagonally (According To 12345678 Order).