

Electric Mobility Scooter
Operation Instruction

Note: please read this handbook carefully before riding for first time! It contains important safety information

If you have any question about warranty, advice, part and any service,please create online trouble ticket:

<http://support.mototecusa.com>.

The manual describes the safety and maintenance information of product. Please read the relevant warnings carefully before using this product, or it may cause injury or death.

Please keep this manual in safe place. Any rider should read it. When the product is transferred. The manual should be handed over to new owner.

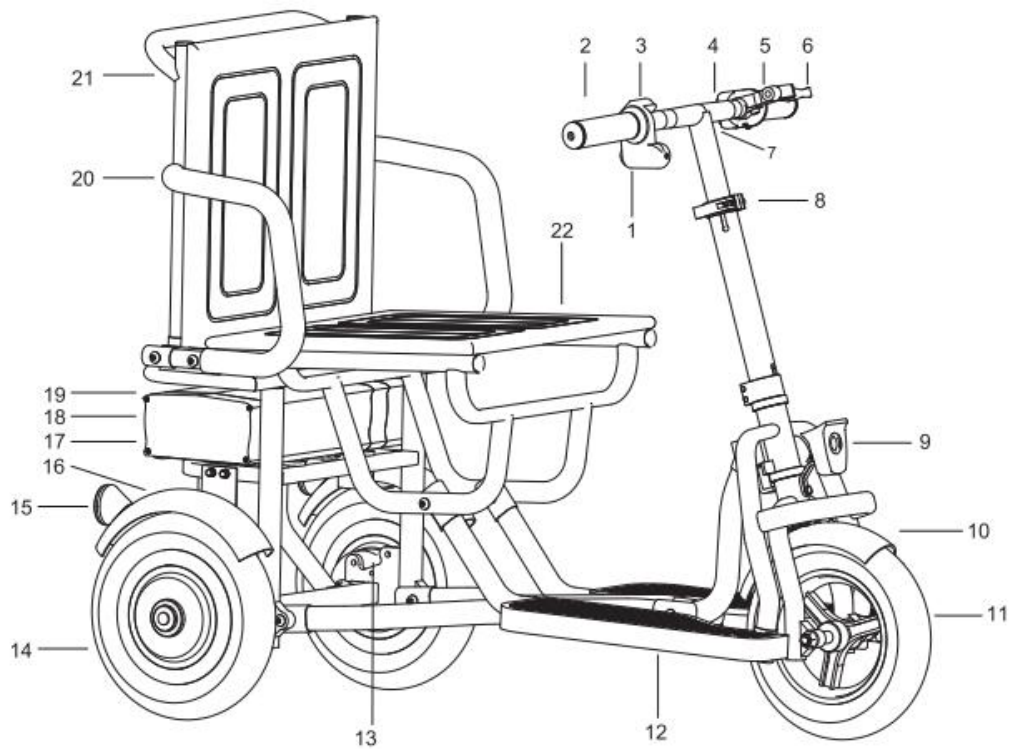
All the information, images and descriptions in this manual are made according to the latest product. there are probably some differences in the manual due to product improvement or changes of production method. Reserves the right at any time to make changes to the product without notice and no obligation to make same or similar changes for the products manufactured or sold before.

This product can not run on public or main roads, because this is dangerous and violates local traffic regulations, be sure to wear a helmet, goggle and protective clothing while riding.

Catalogue

1. Name of main part
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3. Install
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16. Specification
17. Inspection and maintenance before driving
17. Battery instruction
18. Attentions for safe driving
19. Eliminate of frequent malfunction
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Name of main part

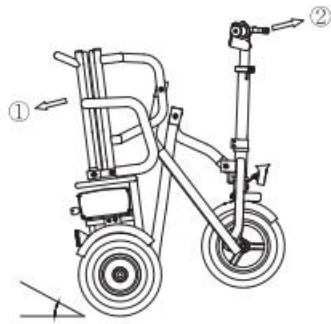


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|-------------------------------|---------------------|
| 1. Key switch | 12. Pedal plate |
| 2. Throttle | 13. Brake |
| 3. Display | 14. Motor |
| 4. Handlebar | 15. Reflector/Light |
| 5. Forward and reverse switch | 16. Rear mudguard |
| 6. Brake | 17. Battery |
| 7. Horn/Bell | 18. Battery box |
| 8. Quick release | 19. Charge port |
| 9. Headlamp | 20. Armrest |
| 10. Front mudguard | 21. Backrest |
| 11. Front wheel | |

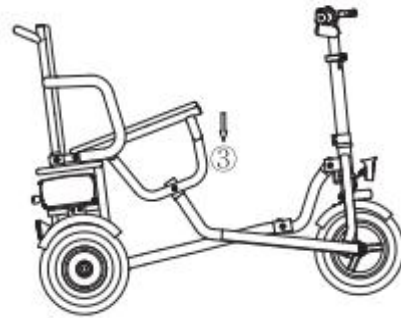
Open indication Picture

1. Tilt the body

2. Forward the handlebar
(direction as the pic)

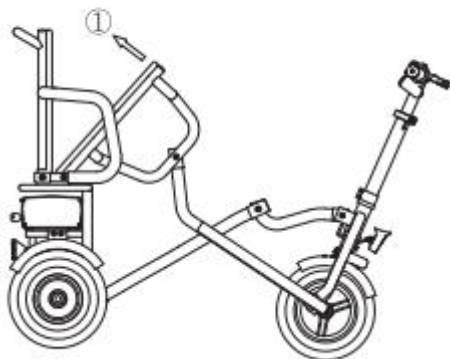


3. Press down the seat (as the picture)



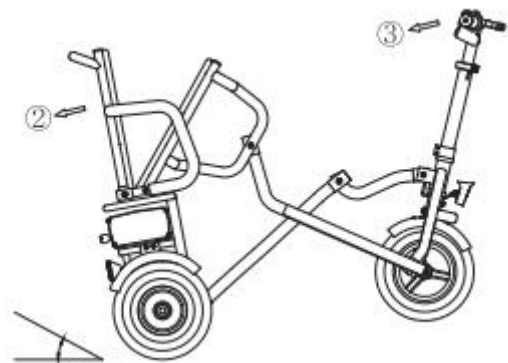
Close indication Picture

1. Lift the cushion up (direction as pic)



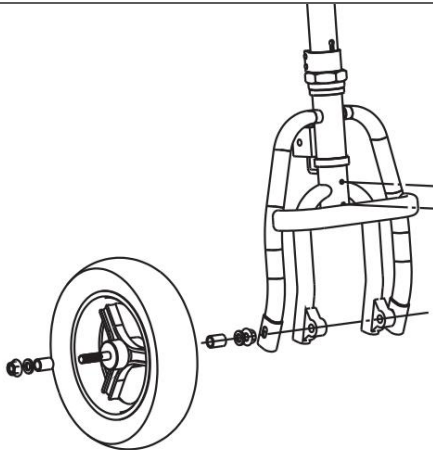
2. Tilt the body

3. Pull back the handlebar



Install

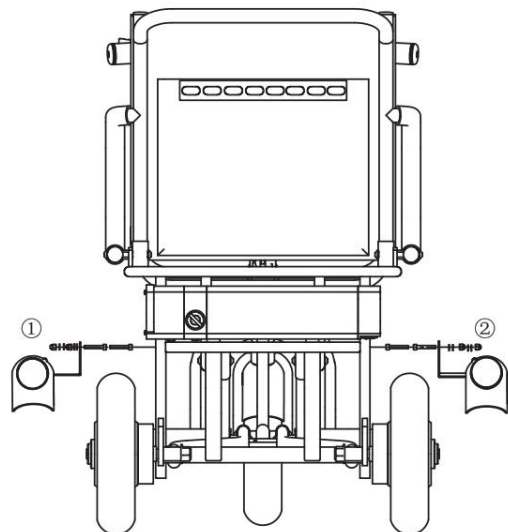
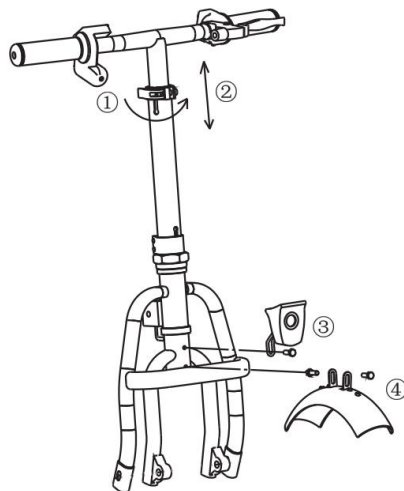
1. Insert one space sleeve and axel into fork.	2. Put tyre into the middle of fork.
3. Put one spacer sleeve in the other side of tyre.	4. Insert whole front axel through the fork
5. Put one spacer in each side and fix nuts.	



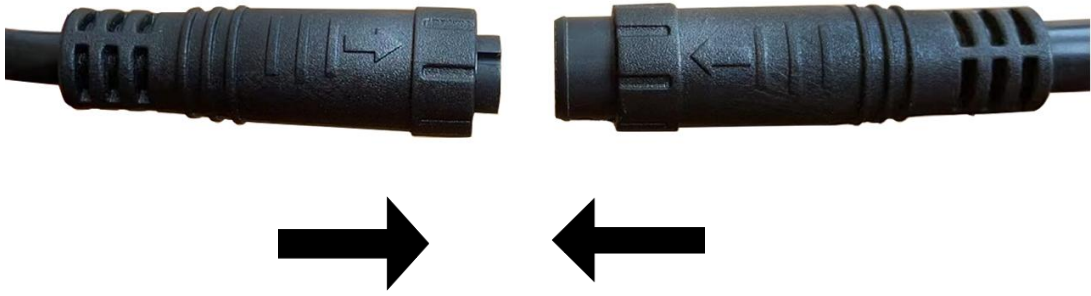
Notice: Ensure there is one space sleeve in each side of tyre.

When you put the space sleeve, the fork distance is a little short, just need to pull out the fork and push the space sleeve. or fork is slightly off, they just need to push the axle down to feed it through the hole.

1. Open the quick release, adjust up and down and close.	2. Install the headlight and mudguard.
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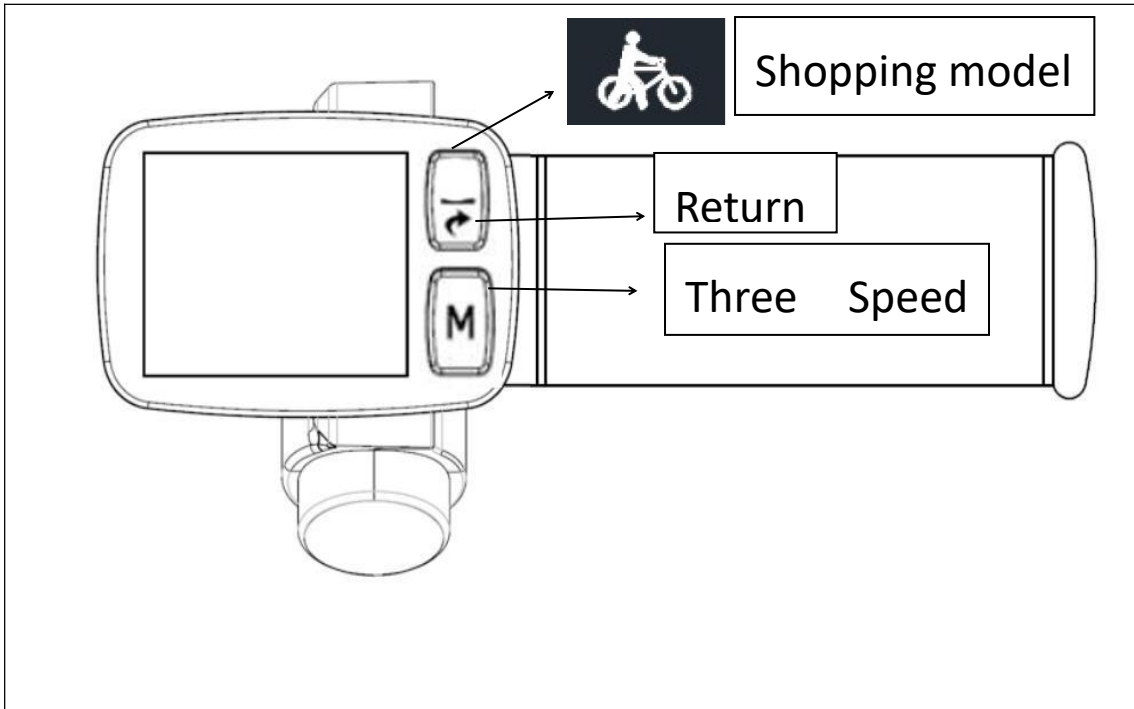
Plug the rear light as per the arrow on the connector.



Make sure the metal pins are not bent.






Finally, tighten the screw of display throttle.

Display button :

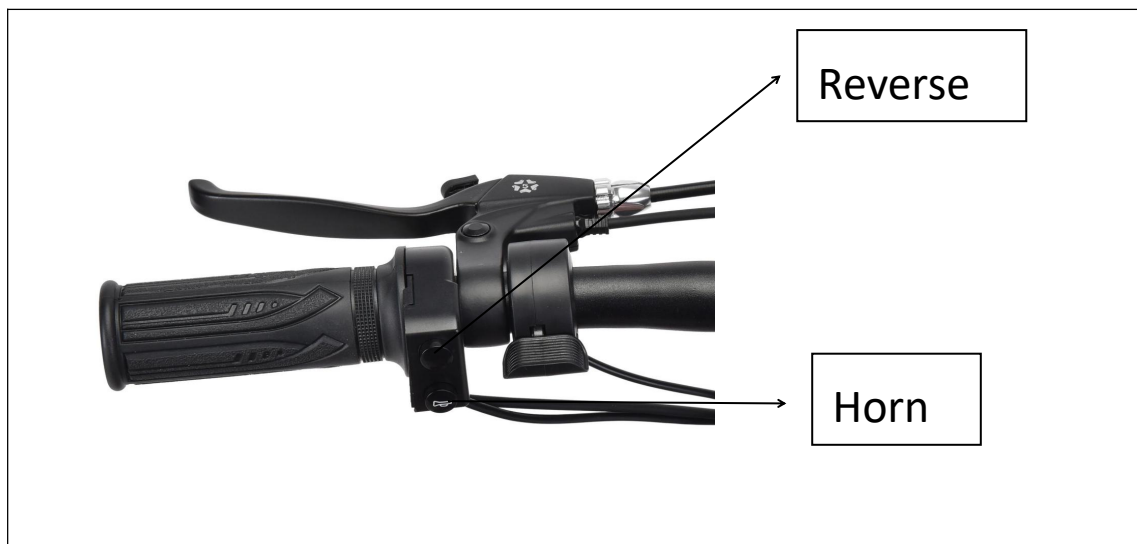


Display:

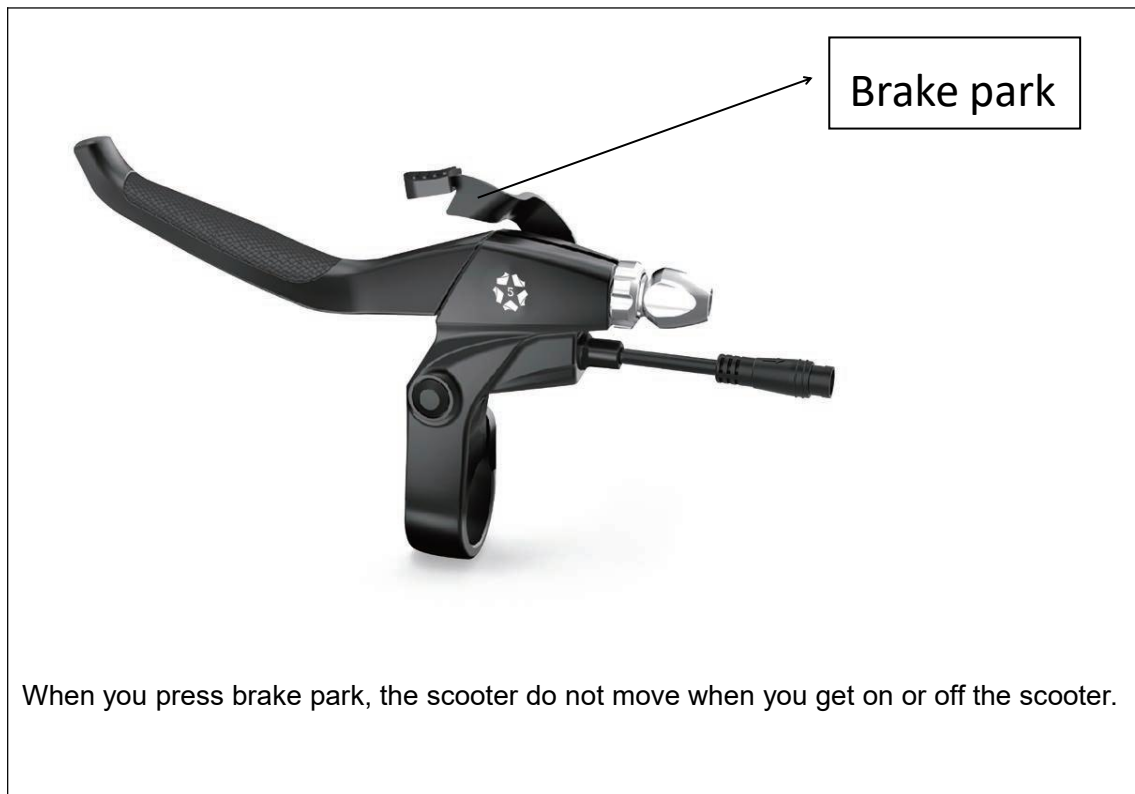
<p>Display</p>	<p>The main display screen features:</p> <ul style="list-style-type: none"> Two large digital digits for speed. A battery level indicator with four bars. A bicycle icon and a smaller digital display for mode. Labels km/h and MODE. A horizontal line separating the top and bottom sections. Labels TRIP, ODO, and VOL on the left. Four digital digits for trip/odometer, followed by a decimal point and a digit for voltage. Labels v and km on the right.
<p>Speed</p>	<p>A close-up of the speed display showing two large digital digits and the label km/h.</p>

Power	
Battery voltage	
Odometer	
Speed shift	
Shopping model	

Switch:



Brake:



How to turn on the scooter

1. Plug the battery cable into the side of the battery box.
2. Turn the key of the battery right--ON gear.
3. Turn the key of the throttle to right.

The first position : open the electricity

The second position: open the light

4. Twist the throttle

Scooter originally is set to the slow 1 speed (forward-5mph,reverse 2mph)

Please try to drive firstly.

5. Try to brake

When you try to drive and brake, if you feel the scooter 's brake is not tight or can not stop immediately. Please adjust the fit brake you need.







How to adjust brake




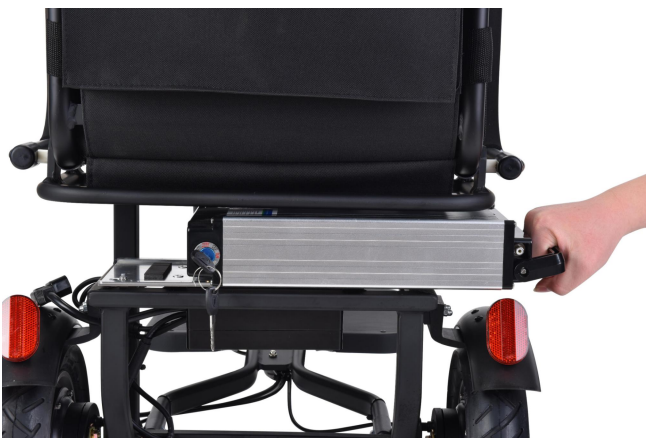
Tighten the screw, the brake will be tight.
Loosen the screw, the brake will be loose.

Once you are familiar with this scooter, you can try more 3rd powerful speed.



How to choose different speed

		Scooter originally display 1 speed (Model 1 speed: forward-5mph,reverse -2mph)	
three speed model			
	Press M		You can see 2 this pic
			Model 2 speed: forward-10mph, reverse -3mph
	Press M again		You can see 3 this pic
			Model 3 speed: forward-17mph, reverse-6mph
			
Shopping model	Press bike button for two seconds		You can see bike in the pic
			forward-1.5mph, reverse-1mph
	Press bike button for two seconds again		page go back
			

How to take off battery

Push the key and turn the key to LOCK position	pull out the battery.
	
<p>OFF position: the electric is off and battery is locked. ON position: the electric is on and battery is locked.</p>	

How to charge the battery

Turn the key to off gear, Flip up the handle of battery, Find the charging port	Pull out the battery, Flip up the handle of battery, Find the charging port
	
<p>If the charger display from red to green, the battery is fully charged.</p>	

Thumb throttle

This scooter keep two throttles on the handle bar, one is twist throttle in the right, the other one can be put in the left side.







If you need to order, create online trouble ticket
<http://support.mototecusa.com>.

If you do not need to use thumb throttle, please always cover the plug of thumb throttle. This plug do not need to be connected.





How to find the trip, odometer and voltage.

Press return button, you can see trip,
Press return again, you can see odometer.
Press return again, you can see voltage.

How to make the LCD screen brighter

1. Press  and  **two buttons** for two seconds, You can see **P1** this pic
2. Press **M** button, you can see 0000,
Press **M** button, you can see 0001,
Press **M** button, you can see 0002,
Press **M** button, you can see 0003,
bigger number, brighter screen.
3. Press  and  **two buttons** for two seconds again, Page go back

How to clear the ODO

1. Press  and  **two buttons** for two seconds, You can see **P1** this pic
2. Press **return** button 12 times , you can see PE,
3. Press **M** button for two seconds, you can clear ODO,
4. Press  and  **two buttons** for two seconds again, Page go back

How to use the airline approved battery


There are two kinds of airline approved battery. **If you need to order, create online trouble ticket <http://support.mototecusa.com>.**

One is 288WH battery, just order one more battery and replace it on the scooter.

The other one is 160WH battery, order one more battery and set the display as below:

<p>1st step</p>	<p>Press two buttons for two seconds</p> 		<p>You can see P1 this pic</p> 
<p>2nd step</p>	<p>Press return button</p> 		<p>You can see P3 in the pic.</p> 
<p>3rd step</p>	<p>Press M button</p> 		<p>You can see 0024 is jumping.</p> 
	<p>Press two buttons for two seconds again</p>		<p>Page go back</p>
<p>4th step</p>			

Secondly, close the scooter and plug out the battery wire ,Put 24V airline approved battery onto the scooter.

<p>Note:</p>	<p>If you use 48V battery again, you need to choose the voltage to 48V as according to the above steps, or the throttle display 009 error code. (it means battery's voltage does not match the throttle's voltage.)</p>	
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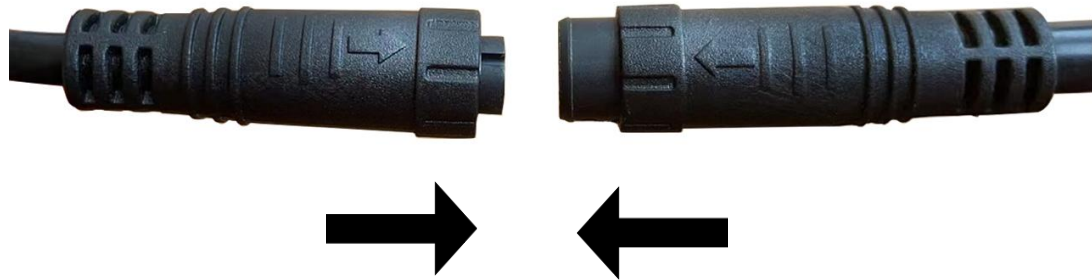
Error

Code	Problem
E001	Display can not receive the data from controller, or the data is wrong
E002	Controller can not receive the data from display, or the data is wrong
E003	Controller problem
E004	Motor hall problem
E005	Motor phase problem
E006	Throttle problem
E007	Brake problem
E008	Assistant sensor problem
E09	motor is in under voltage protection

When the scooter display Error, please unplug every round connector on the scooter.

How to connect the wire

Find the arrow to connect the wire.



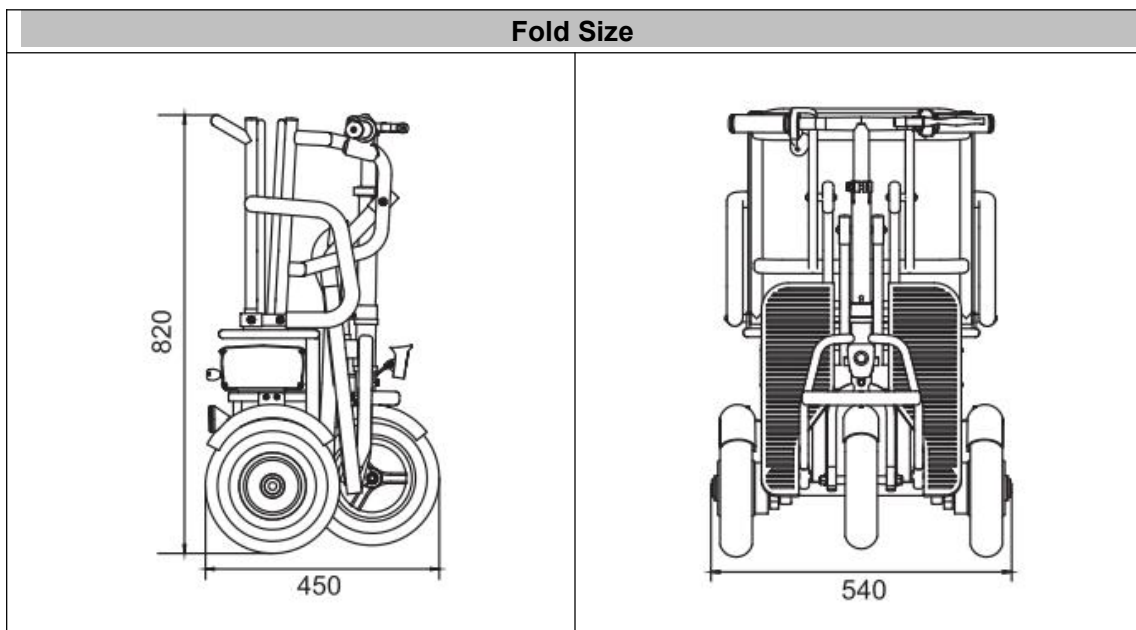
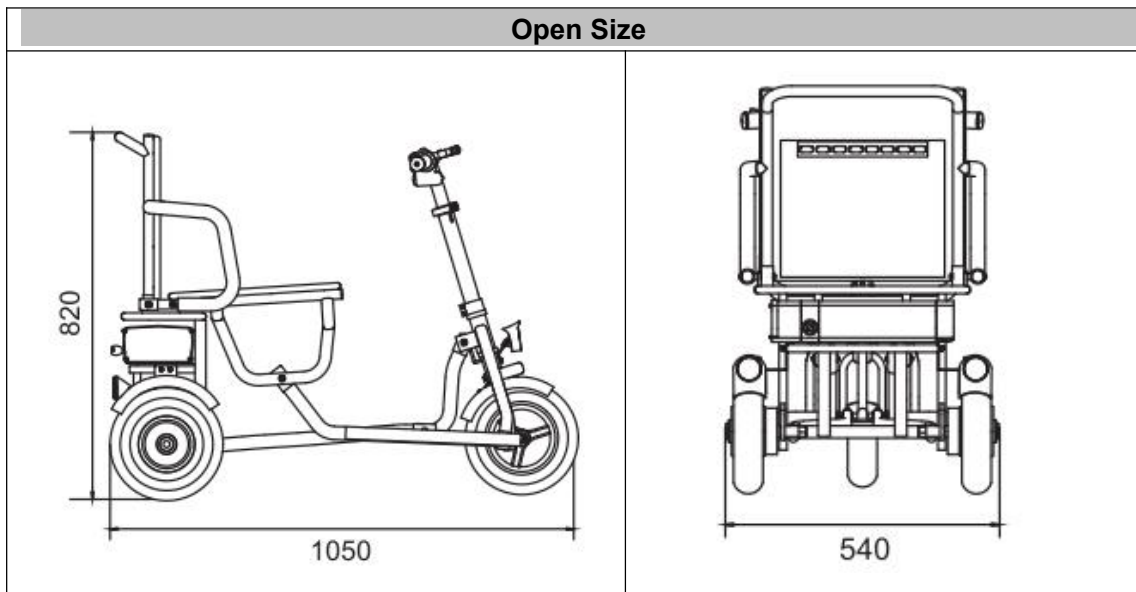
Make sure the metal pins are not bent , then plug back in.

Make sure all wires are fully connected, it can be hard for some to push together.

If it still can be sloved it, Please create online trouble ticket:

<http://support.mototecusa.com>

The main specification of electric mobility Scooter



Product standard configuration

Folding mobility scooter	Screw	Charger	Instruction
1 unit	1 set	1 unit	1 unit

The above data are for reference only. The technical data of this product series are subject to change without prior notice in actual use, due to different road conditions, climate and driving speed, data such as charging time and driving range are different.

Inspection and maintenance before driving

In order to ensure that this portable electric folding scooter can bring convenience to your life, please check and maintain the product according to the following requirements before using.

1. Check whether the battery is full of electricity to ensure that all kinds of cables are properly connected.
2. Check whether the brake system is sensitive and effective.
3. Check whether the tire pressure is normal
4. Before driving, please correct the front wheel and tighten the handle fastening handle.
5. The handlebar and the moving clearance of each part, should be inspect fastening and lubricate irregularly.

Battery Instruction

Improper use will shorten the service life of the battery, and may lead to the fever of the battery, Fire, or even explosions. Please read the following notes carefully:

Do not separate and decompose the battery, There are protective circuit function parts inside the battery pack. Dis-assembly will damage these parts.

It is strictly prohibited to short circuit the positive and negative terminals of the battery, Once a short circuit is found ,it will cause the battery heat, fire and other dangers;

Do not burn or heat the battery. Heating or burning the battery will melt the insulation, thus causing the battery fire, explosion and other dangers;

Do not immerse the battery in water or in a humidity environment, the water in the battery pack is easy to cause the short circuit of the protective circuit board in the battery pack, Thus causing short circuit heating and other dangers;

You must charge the battery with a charger that matches the battery, Otherwise, abnormal chemical reactions will occur in the battery, causing the battery to heat up, burn and other dangers;

It is strictly prohibited to use a hammer or other hard objects to hit the battery, cutting the battery with sharp tools, When the battery is damaged, it may cause short circuit,

thus causing fire and other dangers;

If the battery is damaged or leaked, and the leakage material enters the eyes carelessly, please don't rub it with your hands, wash it with clean water immediately, and go to the doctor as soon as possible;

Do not mix lithium ion batteries made by different manufacturers or with different capacity. If so, it may cause heat, fire and other dangers in the process of charging and discharging;

The battery needs to be fully charged in time (within 3 days) after use, If the battery pack is not used for a long time, it must be fully charged every two months, otherwise the battery will be damaged easily; Do not exceed the battery charging time (generally within 10 hours), for fear that the danger of overheating. If the battery charging exceeds the specified time and is not fully charged, please stop charging;

Don't put the battery where a child can touch so as to avoid danger;

Do not store the battery in microwave or high pressure environment so as to avoid danger.

Attentions for safe driving

In order to ensure that you can use this portable electric folding car safely, please be sure to follow the following requirements for proper operation:

★ Before driving for the first time, be sure to do driving exercises in the open field. Only drive on the road after mastering acceleration, deceleration, braking, honking and other performances perfectly.

★ Follow traffic rules and maintain moderate speed; Driving at top speed will not only dramatically increase power consumption and reduce range, but also reduce safety.

★ When driving in a crowded indoor environment, such as a supermarket, you must keep a low speed to control the braking distance. When turning, the speed must not exceed 2km/h.

★ It should not be used in rainy days, and wading should be avoided as far as possible. When wading through, the wading depth should not exceed 20mm and the speed should not exceed 1km/h.

★ With the power switch key, in the non-driving state, the power switch must be closed and the key pulled out, to prevent children and others from wrong operation.

Eliminate of frequent malfunction

Malfunction	Reason	Solution
Adjuster shifter out of order or Significant reduction of maximum speed	<ol style="list-style-type: none"> 1. battery cable is loose 2. Shortage power 3. Spring failure of Adjuster shifter 	<ol style="list-style-type: none"> 1. Tighten the battery cable 2. full recharge the battery 2. change the spring or shifter
Charger cannot be charged normally	<ol style="list-style-type: none"> 1. Power line damaged or socket off 2. Charger fuse fusing 3. The battery terminal is disconnected 	<ol style="list-style-type: none"> 1. Repair the power cord or tighten the socket. 3. Replace fuse of the same model 4. Plug in all the connections
Charging is normal, but driving mileage is not enough	<ol style="list-style-type: none"> 1. Tire pressure is insufficient or brake disc adjustment is too tight. 2. Long time driving at high speed or travel uphill, adverse wind, brake start too frequently 3. Battery life time or damage. 	<ol style="list-style-type: none"> 1. Properly inflate tires; Adjust the tightness of brake cable properly 2. Avoid long and high speed driving and frequent Braking, it is normal for Power consumption to Increase in uphill and up Wind conditions.
Drive motor doesn't work properly	<ol style="list-style-type: none"> 1. Loose or detached connection of battery, motor, controller and other cables 2. Can not maintain the average speed of driving, control shifter is damage caused by pollution 	<ol style="list-style-type: none"> 1. Check the battery, motor, controller and other cables, and reconnect firmly 2. Keep the control shifter clean to avoid stained.

Battery, charger, motor, controller and control shifter shall be repaired by professional technicians or after-sales maintenance units.

The above data are for reference only. The technical data of this product series are subject to change without prior notice

In actual use, due to different road conditions, climate, driving speed, charging time,

mileage and other data are different.

Friendly reminder

When the scooter starts, please slow down the throttle to prevent the front wheel from skidding.

When the scooter climbing the slope , please lean forward to Keep the center of gravity steady and prevent scooter from turning over after climbing the slope.

When the scooter is turning, please slow down and avoid turning over.

In the normal using of the scooter, please check whether the screw loose or off periodically.

Please drive as little as possible when the road is slippery in rainy days.

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