

EMOVE *Cruiser*

Master Guide

YOUR MACHINE IS POWERED BY

VORO MOTORS

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Thank you for purchasing the EMOVE Cruiser, the world's most complete electric scooter. This setup guide aims to help you through the initial process of getting to know your EMOVE Cruiser.

Package Contents

PACKAGE CONTENTS

- EMOVE Cruiser Electric Scooter
- Charger accompanied with 2-pin or 3-pin plug
- Master Guide
- Locking Key
- Multipurpose tool kit

Please contact **support@voromotors.com** if any of the above is missing, which is highly unlikely.

Technical Support

TECHNICAL SUPPORT

What you'll get:

- *1-year manufacturer's warranty. Covering battery, controller and motor. Damages occurred from rider's usage, cosmetic damages and water damages are not covered.*
- *Warranty is clear and no fine-prints. You may find our warranty policy here: <https://www.voromotors.com/pages/warranty>*
- *Our team over at VORO MOTORS, Inc. is constantly looking to expand our dealer network to make servicing more accessible for our riders, if you know anyone who wants to be a dealer for this amazing product, feel free to email us.*
- *Free online technical support at support@voromotors.com*

Getting to know your EMOVE Cruiser

1. Setup process: Voltmeter

This device is your voltage meter. It measures the voltage of your battery. This is where you insert your key and turn on the device. Due to packing constraint, this component is loosened on purpose prior to shipping.



Getting to know your EMOVE Cruiser

Secure your voltmeter

There is a small black round headed screw located at the back of the voltmeter. You may secure it to the position of your preference.



Use the tool kit that we purchase for you

The 2.5mm Allen key would be the correct hex key to use. (Not in any particular left to right sequence)



Getting to know your EMOVE Cruiser

Tighten the front light

We loosen this on purpose due to packing constraint. If the front light bulb is tightened in any position inside the packaging, it would crack during shipment transit due to the rough package handling.



Pro-Tip: Use the tool kit that we have provided

Read the next page for detailed instructions.

Getting to know your EMOVE Cruiser

Open up your tool kit

You will find yourself plenty of other useful tools inside.



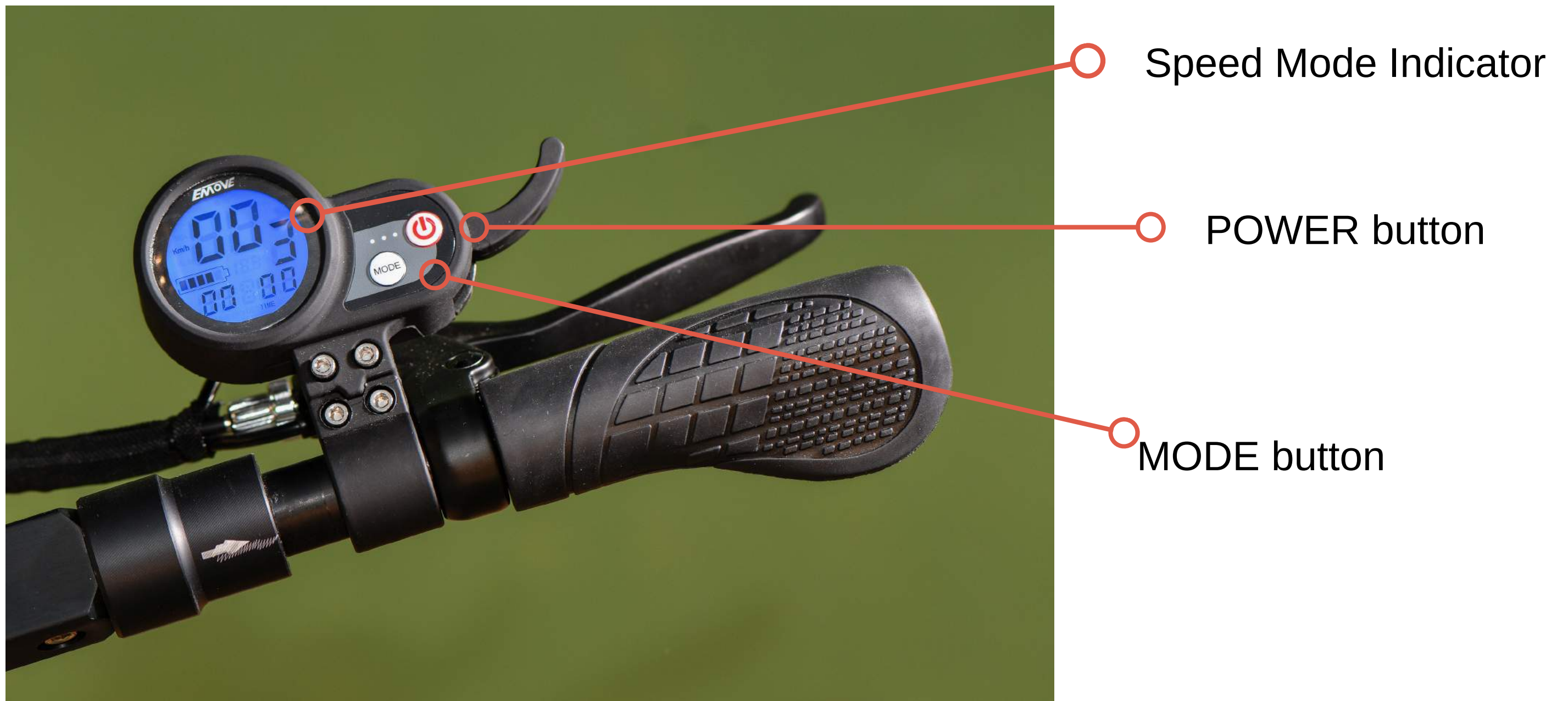
Use the 8mm socket wrench

Choose the smallest socket wrench in the tool kit and insert it on top of the square tool as shown below.



Getting to know your EMOVE Cruiser

1. Buttons and Indicators



2. How to change speed mode on EMOVE Cruiser?

Step 1 - Press the POWER button, the Speed Mode Indicator will then begin to blink.

Step 2 - Press the MODE button to switch between Speed Mode 1/2/3.

Step 3 - Press the POWER button to save.

3. What does each speed mean?

Mode 1 - Lowest speed mode

Mode 2 - Average/Medium speed mode

Mode 3 - Highest speed mode (Use this mode when you need more speed to overcome slopes, etc.)

Note: The higher the speed, the more battery it requires to power the speed.

Getting to know your EMOVE Cruiser

3. Speed Modes

Basically works like your car gear.



LOWEST SPEED

Just chillin'



CRUISING SPEED

I'm a normal person



INSANE SPEED

Adrenaline junkie!

If you are going upslope,
switch to this mode to
"climb"

Getting to know your EMOVE Cruiser

Speed Modes



Video tutorial on our YouTube channel

We have a complete video tutorial on how you can set up the Speed Modes.

Search for VOROMOTORS on YouTube, video title is "How To Change Speed Mode"

Alternatively, you may go onto this link to find all the tutorials in 1 page: <https://www.voromotors.com/pages/emove-cruiser-help>

Getting to know your EMOVE Cruiser

Adjusting the height of your handlebar



Step 1

Pull the locking latch outwards



Step 2

Bring up your handlebar to your preferred height.



Step 3

Hold the circular knob with 1 hand, and rotate the EMOVE logo latch to tighten down the clamp.



Step 4

Lock the latch down

Getting to know your EMOVE Cruiser

Caution!



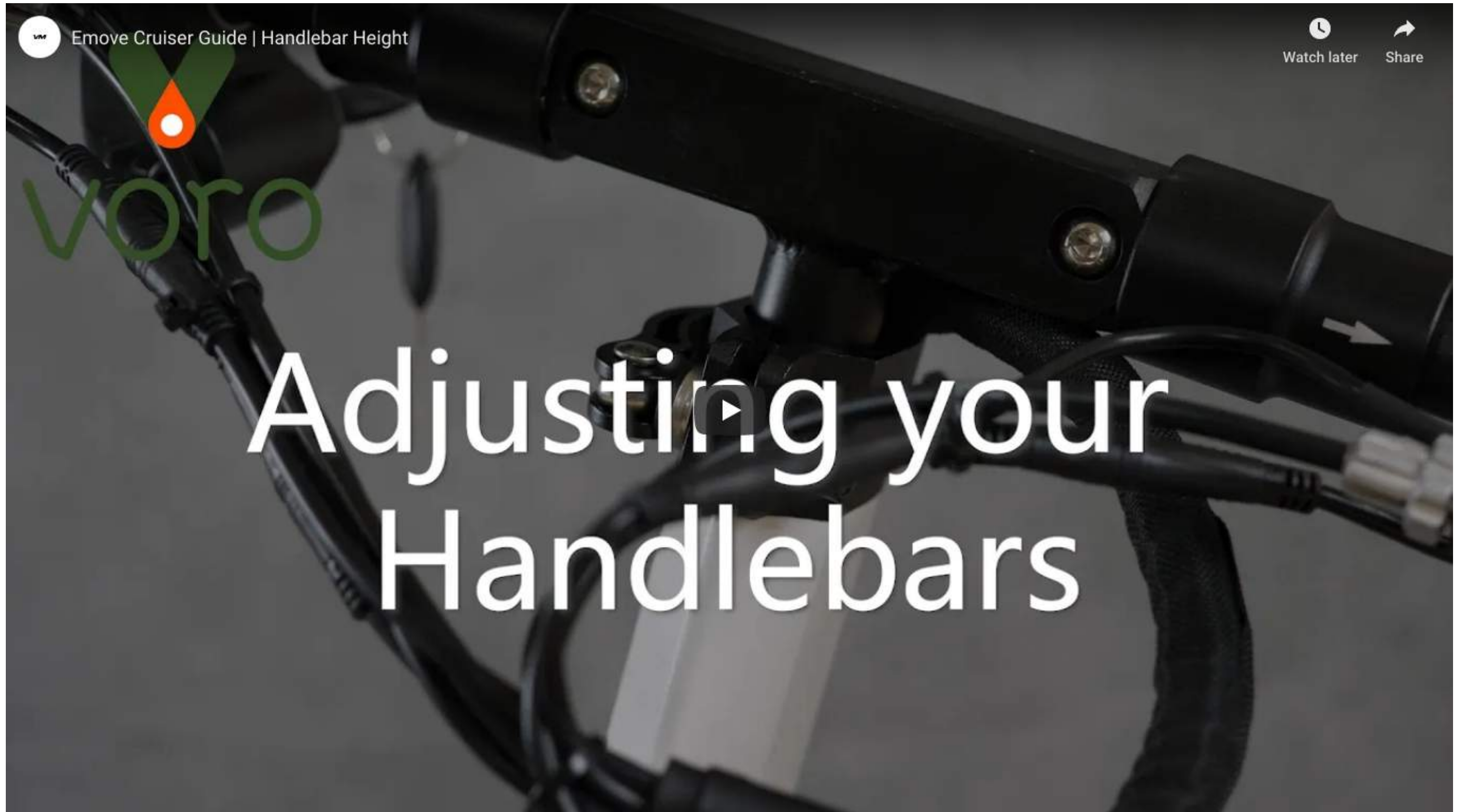
Do not raise the handlebar above the white line.

These white lines should be hidden inside the upper stem base. If you are able to see the white lines, that means you have overly extended your handlebars.

Please do not extend your handlebars across the advised limit.

Getting to know your EMOVE Cruiser

Adjusting the height of your handlebar



Video tutorial on our YouTube channel

We have a complete video tutorial on how you can adjust the height of your handlebar.

Search for VOROMOTORS on YouTube, video title is "Adjust your handlebar height"

Alternatively, you may go onto this link to find all the tutorials in 1 page: <https://www.voromotors.com/pages/emove-cruiser-help>

Getting to know your EMOVE Cruiser

Tightness of your handlebar



Step 1

Fold down the handlebars, you will find a tiny silver screw inside the handlebar.



Step 2

Twist counter clockwise to tighten the Tbars, rotate clockwise to loosen the Tbars.

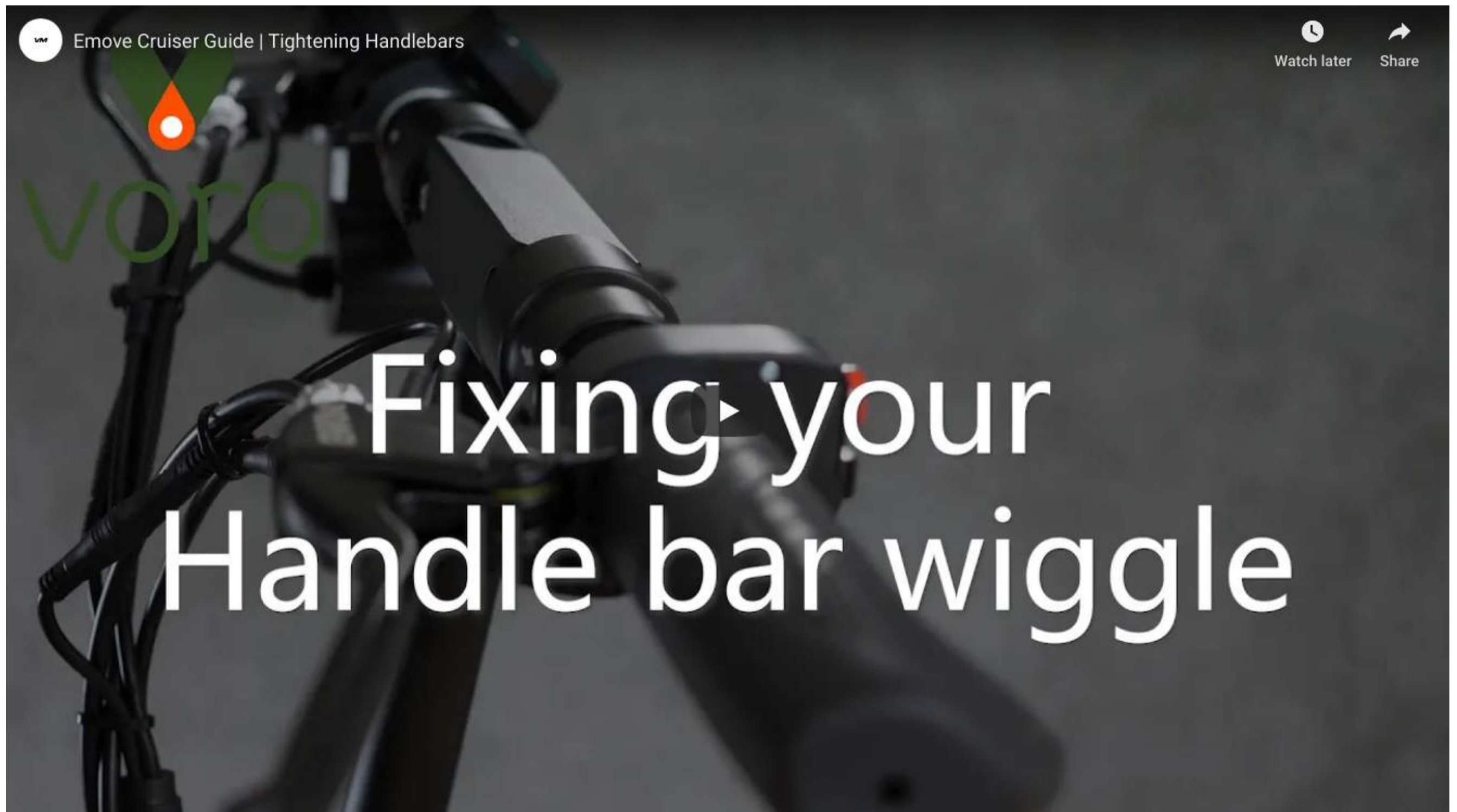
Handlebar explained

For all foldable type style of handlebars, it is natural to feel some level of wiggle on the handlebar. It is completely normal. Due to the nature of the foldable handlebar, the hinge allows you to be able to fold and unfold your scooter. The tiny silver screw that we added inside the handlebar closes the gap inside, reduce 90% of the wobble you experience. If the rider is very sensitive, you will require precise tuning to ensure the handlebar is tighten to your preference.

Loctite cannot be used in this area. If Loctite is applied to the screw and it rotates by a small amount during shipment, our new riders will not be able to unfold their handlebars.

Getting to know your EMOVE Cruiser

Tightness of your handlebar



Video tutorial on our YouTube channel

We have a complete video tutorial on how you can tighten your handlebar.

Search for VOROMOTORS on YouTube, video title is "Tightening handlebars"

Alternatively, you may go onto this link to find all the tutorials in 1 page: <https://www.voromotors.com/pages/emove-cruiser-help>

Getting to know your EMOVE Cruiser

How to unfold and fold your scooter



Step 1

Place one foot on the deck to secure your Cruiser, push the handlebar or stem forward to release the folding mechanism. This is for safety reason as we want to ensure your folding mechanism is locked tight while you are riding, and does not collapse mid ride.



Pro-tip*

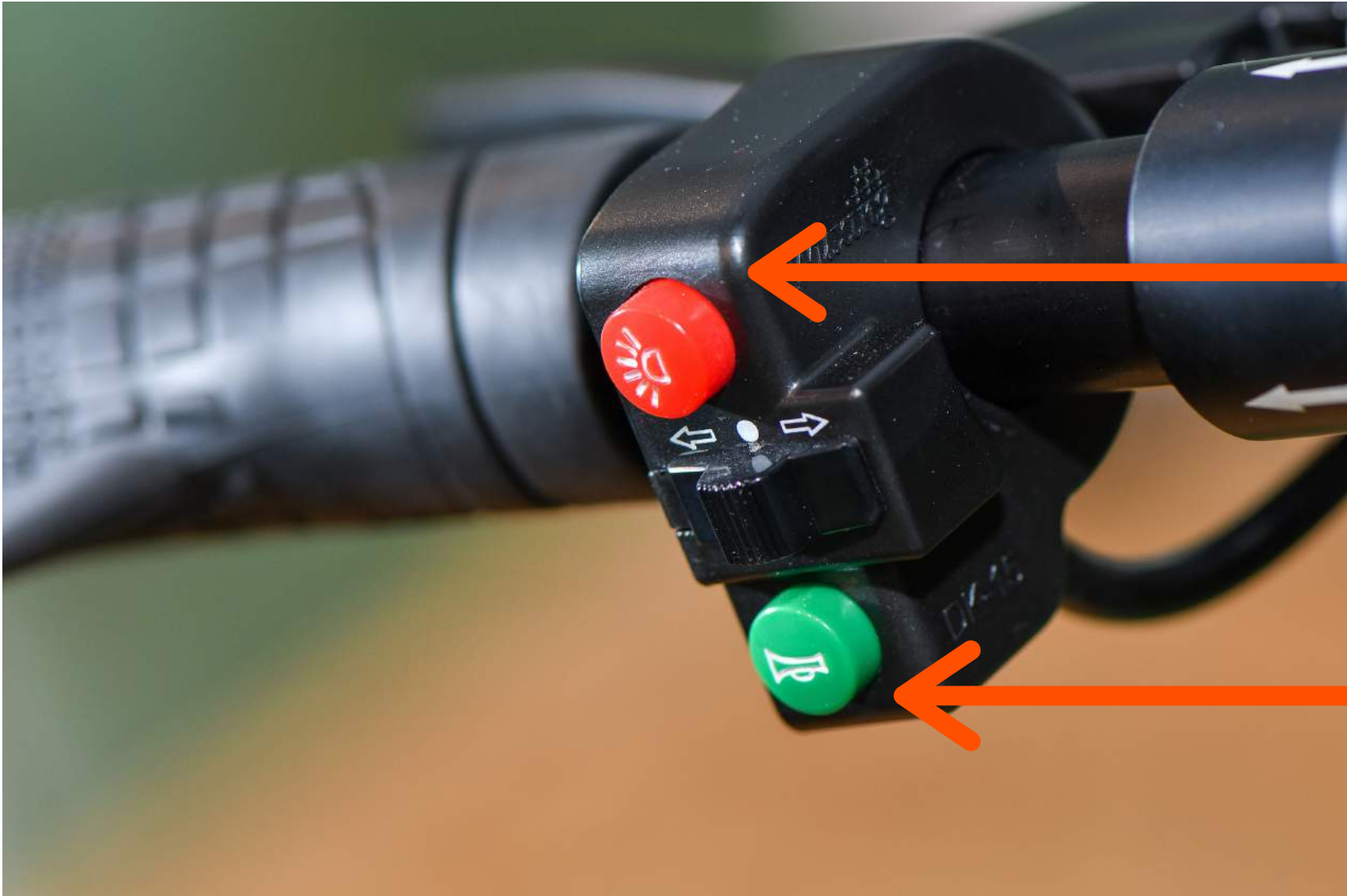
Using some WD40 or lubricant on the folding area will help with folding. The folding area can be stiff when it is new, but will get smoother over time.

Step 2

Hold the "push-outwards" position for the stem and pull out the S-Knob to release the Cruiser. Fold downwards.

Getting to know your EMOVE Cruiser

Important buttons to be aware of



Front headlight button

Horn/Sound button

Can also be used as a prank if you want to wake someone up from their beauty sleep.



Front sidelight button

Located right beside the kickstand



Getting to know your EMOVE Cruiser

5. Locating the charging port

Your Mark I charging port is located on the right side of the deck and covered with a dust cap.



Open the dust cap, you will find yourself with the charging port.



Getting to know your EMOVE Cruiser

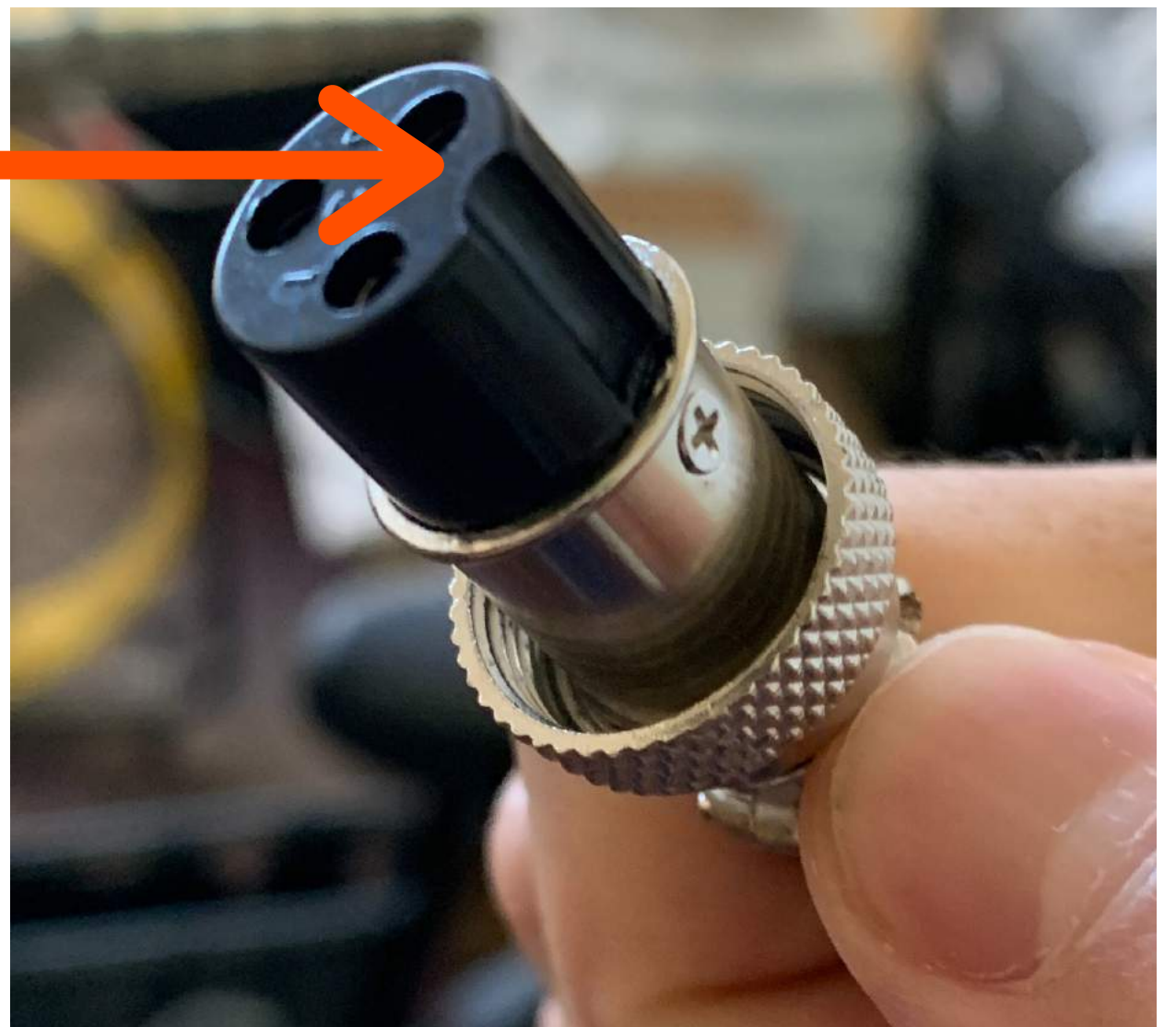
Charge

Connect the charger connector correctly to the charging port. A little strength might be required, but do not force.

Locate the notch



The notch should fit in here
on the charging cable



Voltage Reading

Full charge - Maximum Voltage: Anywhere between 54V ~ 58.8V

Empty battery - Lowest Voltage: 41V ~ 43V

To "extend" the battery life span, start to charge the scooter at 48V (Usually displays 2 bars on LCD)

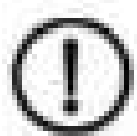
Things not to do: Rapid discharge, overcharging will shorten the life span of the battery

The battery voltmeter reading is usually given in range, as the maximum and minimum voltage will vary a little over time

Safety and Maintenance

Troubleshooting

The latest LCD display throttle found on the EMOVE Cruiser comes with a software update that enables self-diagnosis. The software will check through all the critical components when it is powered up. The errors will be shown on the LCD display.



Brake Sensor Error

This error will show up when you press the brakes. It is an error only if the exclamation mark is showing up when you are not pressing the brakes. Usually due to disconnected brakes or broken brakes from accidents.



Motor Error

This error will show up on your LCD screen if the motor is faulty or disconnected.



Controller Error

This error will show up on your LCD screen if the internal controller is faulty or disconnected.



LCD Throttle Error

This error will show up on your LCD screen if the LCD throttle is faulty or disconnected.

PAS

Push Assist

This is not an error. It is just showing that your scooter is currently set to kickstart mode and requires an initial push kick to start accelerating. Go to the P5 setting and switch it to 0 if you do not want the kickstart function.

Safety and Maintenance

SAFETY GUIDELINES

In order to achieve maximum safety while using your EMOVE Cruiser, we suggest that you adopt the following guidelines:

1. Should you have trouble operating the device properly, unplug and/or remove the device and contact your authorized dealer; or go to www.voromotors.com for assistance. Do not attempt to fix the device yourself without guidance.
2. Do not take apart the device (doing so will void your warranty) and do not attempt to operate it under abnormal circumstances.
3. Charge the EMOVE Cruiser according to the recommended charging time and **do not** leave the scooter charging overnight. Do not use the EMOVE Cruiser while it is charging.
4. Do not expose the EMOVE Cruiser to liquids while charging. Exposing the Cruiser to these conditions may result in an electric shock - Come on, some common sense!
5. The EMOVE Cruiser is IPX6 water resistant grade. Please do not deliberately submerge the EMOVE Cruiser in water. Riding in rain is not recommended, but if necessary, light rain is fine. Avoid riding in heavy rain.
6. Do not tamper or abuse the EMOVE Cruiser; including but not limited to dropping, excessive bending, puncturing, shredding, microwaving, incinerating, or inserting foreign objects into the Cruiser.
7. Do not use abrasive cleaners and/or harsh cleaning agents to clean the Cruiser.
8. Do not expose the Cruiser to extremely high or low temperatures such as leaving the Cruiser in strong direct sunlight or in snowy weather for extended periods of time.
9. Do not expose the Cruiser to open flames such as stoves, candles, or fireplaces.
10. Dispose the product in accordance with your local environmental laws and guidelines.

Safety and Maintenance

MAINTENANCE TIPS

In order to achieve maximum longevity while using your EMOVE Cruiser, we suggest that you adopt the following guidelines:

1. Clean and dry your Cruiser regularly, particularly in areas in contact with mud or rainwater. Use a clean, damp cloth. Do not wash product under a faucet, or use any form of water jet to spray it.
2. Even though the EMOVE Cruiser is rated **IPX6 water resistant grade** and you can ride under light rain, but do not use a water jet to clean the scooter.
3. Avoid leaving your Cruiser to charge overnight, unplug once it is fully charged.
4. Clean the product from time to time.

BATTERY

The Cruiser contains an LG internal, lithium-ion polymer rechargeable battery. In general, the life expectancy of this battery depends upon use, and usually last a really long time. If the battery does not charge after several attempts, it may be non-operational and you may need to contact customer support. Do not attempt to replace the Cruiser's battery yourself.

TRACKING

The accuracy of our sensors and associated calculations (i.e. distance traveled and riding speed) will vary with use.

LEGAL

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LIMITED PRODUCT WARRANTY

For the latest and current terms of the Limited Product Warranty, please visit www.voromotors.com/pages/warranty

LIMITATION OF LIABILITY

VORO shall in no event be liable for any lost profits, loss of information or data, special, incidental, indirect, punitive or consequential or incidental damages, arising in any way out of distribution of, sale of, resale of, use of, or inability to use the Product. In no event shall VORO’s liability exceed the retail purchase price of the Product.

COSTS OF PROCUREMENT

For the avoidance of doubt, in no event will VORO be liable for any costs of procurement unless it has been advised of the possibility of such damages, and in no case shall VORO be liable for any costs of procurement liability exceeding the retail purchase price of the Product.

GENERAL

These terms shall be governed by and construed under the laws of the jurisdiction in which the Product was purchased. If any term herein is held to be invalid or unenforceable, then such term (in so far as it is invalid or unenforceable) shall be given no effect and deemed to be excluded without invalidating any of the remaining terms. VORO reserves the right to amend any term at any time without notice.



THE SAFETY PROMISE

01

Phase 1: Materials Selection

Before becoming part of VORO's electric scooters, the materials we use are subject to rigorous selection. Each component has a specific function and must ensure performance, as well as rider's comfort and safety.

02

Phase 2: Production - A phase we control from A-Z

Just like our riders, safety is our priority. Because of this, there are some important things that we prefer not to delegate, like the assembly of our electric scooters. Every single component is tested, from the motor, to the speed, to the suspension.

Once the product is fully assembled, we have a testing team in place to test each electric scooter, flat road, uphill and downhill. Top speed might be capped at 15mp/h for certain countries. It can be unlocked with our built-in software via LCD throttle display (P8 function).

03

Phase 3: Burn-in cycle

Turning each machine on and off every hour over twenty-four hours was carried out to ensure each component is working correctly. We cause more stress to the components by turning it on and off - This way, defective components will appear right away and we can rectify them.

04

Phase 4: Ongoing Test - Pre-shipping Test

Every electric scooter is tested by a trusted team. We have a set of routine checks that we conduct before every shipment. Some examples:

- LCD throttle turns on, no cracks
- Motor spinning upon pulling down of LCD throttle
- Front and rear wheel inflated
- Styrofoam protection in packaging
- Charger turns red when charging, green when fully charged.

Congratulations! You have now successfully configured your EMOVE Cruiser.

If you have further questions or concerns, please feel free to email us. If you bought it from one of our authorized dealers, please reach out to them directly.



support@voromotors.com

