



# SEGAEGO 4D SCOOTER



***SC-S2454***

## OWNER'S MANUAL

**DEALER:** This manual **MUST** be given to the user of the power mobility device.

**USER:** **BEFORE** using the power mobility device, read this Owner's Manual and save for future reference.

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# 1. PREFACE AND INTRODUCTION

Please carefully read this owner's manual before operating your scooter. Improper use of the scooter could result in harm, injury or traffic accidents.


- ◆ This owner's manual includes operation instructions and assembly instructions.
- ◆ The symbols used throughout this manual are explained below.

Read carefully and fully understand the notes marked with these symbols:

 <b>Warning</b>	<b>Improper use could result in serious injury or death, hazardous conditions, or product malfunction.</b>
 <b>Attention</b>	<b>Improper use could lead to injury and/or damage to your scooter.</b>
 <b>Suggestion</b>	<b>Follow these instructions to keep your scooter in a good operating order.</b>

- ◆ This Owner's Manual includes a copy of repair and maintenance record chart and warranty. Please keep it in a safe place or with the scooter.
-  **DO NOT** let someone else use your scooter before obtaining the approval of their personal physician.
- ◆ As designs change some illustrations and pictures in this Owner's Manual may not correspond to the scooter that you purchased.

This scooter has been designed to provide a comfortable and secure solution for users who are capable of operating a scooter. Please consult your physician before using your scooter.

 Suggestion

**To maximize your batteries efficiency and service life, please fully recharge your new battery before its first time use.**

## 2. SAFETY INSTRUCTIONS

### 2.1 PRACTICE BEFORE OPERATING THE SCOOTER

- ⚠ **Warning:** Failure to follow these instructions may result in damage to the scooter or serious injury. Practice before operating your scooter. It is very important that you completely read and follow the information in the owner's manual. Fully charge the batteries prior to using the scooter. Find an open, safe area and have an assistant to help you practice until you have confidence operating your scooter. Make sure that the power is off before getting into or out of the seat. Set the speed control knob according to your driving ability. We recommend that you keep the speed control at the slowly position until you are familiar with the driving characteristics of this scooter.
- ⚠ This scooter is suitable for indoor use only
- ⚠ Consult your doctor if there is any doubt about your ability to use this scooter safely.
- ⚠ Drive on the pavement, single carriage roads, or pedestrian areas only.
- ⚠ **DO NOT** drive on public roadways, streets or highways. This scooter is suitable for indoor use only.
- ⚠ **DO NOT** drive the scooter off-road or on any uneven surfaced roads.
- ⚠ **DO NOT** drive the scooter over soft, uneven or unprotected surface such as grass, gravel and decks.
- ⚠ **DO NOT** drive the scooter beside a river, port or lake without a fence or railing.
- ⚠ **DO NOT** make sudden stops, weave erratically, or make sharp turns.
- ⚠ **DO NOT** drive the scooter when it is raining, snowing, icy, misty or windy.
- ⚠ Keep your arms on or inside the armrests and feet on the footrest at all times during operating.
- ⚠ **DO NOT** attempt to climb curbs greater than 1.4”.
- ⚠ **DO NOT** attempt to cross over a gap greater than 3”.
- ⚠ **DO NOT** attempt to climb to cross a hill greater than 6 °.
- ⚠ **DO NOT** put the scooter in freewheel when on an incline or decline.
- ⚠ **DO NOT** get on and off on a hill. Always stop on the level surface to get in and get out of the scooter.
- ⚠ **DO NOT** reverse the scooter while driving up a hill, forward only. If you reverse while moving up a hill, it may cause the scooter to tip over.
- ⚠ Use low speed while driving down hill. Breaking while moving downhill, the scooter will take longer to come to a complete stop.
- ⚠ **DO NOT** drive the scooter at night.
- ⚠ **DO NOT** carry any passengers (including children). **DO NOT** carry or haul goods.
- ⚠ **DO NOT** use this scooter to carry or haul goods.
- ⚠ **DO NOT** drive your scooter after consuming alcohol or when you are tired.
- ⚠ Always climb or descend gradients perpendicular to the slope or ramp.
- ⚠ Be extremely cautious when driving the scooter in shopping malls.

## 2. SAFETY INSTRUCTIONS

- ⚠ If you will be seated in the scooter for an extended period of time, power off the scooter. This will prevent inadvertent movement from unexpected throttle contact.
- ⚠ Avoid unnecessary movement of the scooter.
- ⚠ Always wear the seat belt (OPTIONAL) with the scooter when operating.
- ⚠ Disassembling the controller, motor or charger by any end user is prohibited and Dalton will void any applicable warranty.
- ⚠ **DO NOT** reach, lean or bend when driving the scooter.
- ⚠ **DO NOT** stand on the foot board.
- ⚠ Always switch off the scooter and remove the ignition key before using a mobile phone.
- ⚠ **DO NOT** use a mobile phone or other wireless communication devices while driving the scooter.
- ⚠ **DO NOT** charge mobile phone or any electrical devices from the scooter's batteries.
- ⚠ This scooter is NOT approved as a seat in a motor vehicle.
- ⚠ **DO NOT** modify your scooter in any way; doing so will void the warranty.

## 2. SAFETY INSTRUCTIONS

### 2.2 WHILE USING THE SCOOTER

**⚠ Please carry out “REGULAR CHECKING” refer to the section 6.2.**

**⚠ Do not move your body out of the scooter while moving**

- ◆ Such action may cause of injury and loss of balance.
- ◆ Pay attention to avoid your clothes being tangled into the wheels.

**⚠ Do not use your scooter under the circumstances below.**

- ◆ On roads with heavy traffic or roads that are muddy, gravelly, bumpy, narrow, snowed over, icy, or canal towpaths not guarded by any fence or hedge. Keep away from places where you might get the wheels stuck.
- ◆ Do not drive at night or when it is raining, snowing, icy, misty, or windy.
- ◆ Do not drive your scooter in an “S” pattern or make erratic turnings.
- ◆ Do not take the scooter onto escalators.
- ◆ Under no circumstances should the scooter be used as a seat in a motor vehicle (e.g. cars, buses, trains, etc.).

**⚠ About Mobile Phones and other electrical equipment**

- ◆ Do not use a wireless communications device or hand-held mobile telephone while driving.
- ◆ Before sitting in or exiting the scooter always switch off the scooter and REMOVE the ignition key.
- ◆ Do not charge the mobile phone or any other electrical devices from your scooter's battery.

**⚠ Automatic Power Shut Down**

In order to avoid accidental battery run down, your scooter is equipped with an automatic power shut down facility. If the scooter is switched on, after remaining undisturbed for a period of thirty minutes it will automatically turn off. Should this occur, simply switch your scooter off and back on and it will be ready to use once again.

**⚠ Ramps, inclines and drops**

- ◆ Do not drive onto steep ramps greater than the specified gradient. Refer to the section entitled “CLIMBING ANGLE” in “7. SPECIFICATION”
- ◆ Always use a low speed setting when ascending or descending a gradient.
- ◆ Do not drive on road surface such as large drops or potholes. This can cause the scooter to lose control and get into an accident.
- ◆ Please lower the speed on the scooter when driving on roads with inclines.
- ◆ Do not make sudden turns when driving on gravel roads or ramps.
- ◆ Always keeps the scooter moving forward when climbing a steep gradient.

## 2. SAFETY INSTRUCTIONS

### ■ Starting and operating

1. Read and follow the instruction in the Owner's Manual.
2. Fully charge the battery prior to using the scooter.
3. Make sure the seat is installed properly.
4. Always wear the seat belt included with this scooter when operating.
5. Make sure the tiller has been secured properly.
6. Fold down the armrests so you can rest your arms on them.
7. Turn the power switch to "ON".
8. Check battery indicator to see whether there is enough power for your journey. If you have any doubt about the remaining power, please recharge the batteries before departure.
9. Set the speed dial to a position you feel safe and comfortable.
10. Check the forward/reverse speed lever works correctly.
11. Make sure the electromagnetic brake works correctly.
12. Make sure it is safe around you before you drive on the street.
13. Always make sure the power is turned off when getting in and out of the scooter.

#### **WARNING!**

- ◆ **Do not put the scooter in freewheel mode when driving on an incline or decline.**
- ◆ **Always re-engage the anti-freewheel device before use. Fail to do so may result in injury.**
- ◆ **To protect your safety, the power will automatically cut off and electromagnetic brake system will activate while you are driving down a steep gradient. This will limit the speed to a safe level. Turn the power on again to re-start your scooter.**
- ◆ **Maximum User Weight Limit**  
**Refer to section entitled "MAX. USER WEIGHT" in "8. SPECIFICATION ". Overloading past the weight limit may lead to damage of your scooter or cause it to malfunction and will endanger your safety. The warranty doesn't cover incidental damage.**

## 2. SAFETY INSTRUCTIONS

### Attention

1. Do not push both RH & LH sides of the speed control lever simultaneously. This might leave you unable to control your scooter.
2. Do not turn the power switch to OFF while driving this may cause unstable conditions and injury.
3. Do not set to the highest speeds while driving indoors.
4. Do not adjust the speed dial while driving, a sudden change in speed may cause danger to you and others, and may cause damage to your scooter.
5. Do not place magnetic devices near the area of the operation handle as this could affect the safe operation of your scooter.
6. Avoid driving in heavy traffic or crowded areas.
7. While reversing the scooter, beware of people or objects behind you.

### ■ Stopping

1. Release the speed control lever completely. The scooter will naturally brake and stop.
2. Turn the power switch to (OFF). Then pull out the key.
3. Quickly moving the throttle in the opposite direction of travel will cause the scooter to come to an abrupt stop, and if held continuously in the opposite direction may cause erratic movement if you are unfamiliar with the controls.



# 2. SAFETY INSTRUCTIONS

## 2.3 LABELING

Please carefully read all labels on the scooter before driving it. For your future reference, do not remove all labels.

1. CE LABEL .....



2. WARNING EMI LABEL.....



3. FREEWHEEL LABEL.....



## 2. SAFETY INSTRUCTIONS

### 2.4 EMI (ELECTROMAGNETIC INTERFERENCE)

This portion of the content will provide the user with basic information that describes the problems with EMI, known sources of EMI, protective measures either to lessen the possibility or exposure or to minimize the degree of exposure, and suggested action should unexpected or erratic movement occur.

**Caution: It is very important that you read this information regarding the possible effects of Electromagnetic Interference on your electric scooter.**

#### ■ ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE SOURCES

Powered scooter may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the powered scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the motorized scooter control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each motorized scooter can resist EMI up to certain intensity. This is called its "immunity level". The higher the immunity levels of the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This immunity level of this motorized scooter model as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warning listed below, your risk to EMI will be minimized.

**The sources of radiated EMI can be broadly classified into three types:**

1. Hand-held portable transceivers (transmitter-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, "walkie talkie", security, fire, and police transceivers, cellular telephones and other personal communication devices.
2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis. These usually have the antenna mounted on the outside of the Vehicle.
3. Long-range transmitters and transceivers, such as commercial broadcast transmitter (radio and TV broadcast antenna towers) and amateur (HAM) radios;

### 3. IDENTIFICATION OF PARTS

#### 3.1 PARTS DESCRIPTION

- |                        |                                   |                                 |
|------------------------|-----------------------------------|---------------------------------|
| 1. Power switch        | 2. Charger Socket Cover           | 3. Basket Bracket               |
| 4. Tiller Adjust Lever | 5. Wheel lock knob                | 6. Seat Rotate Lever (optional) |
| 7. Armrests            | 8. Width Adjustable Armrests Knob |                                 |
| 9. Circuit Breaker     | 10. Freewheel Lever               |                                 |
| 11. Anti-tip Wheels    | 12. Connecting device             |                                 |



## 4. OPERATION

### 4.1 CONTROL PANEL

1. Battery Indicator
2. Speed Dial
3. Horn Button
4. Wigwag Paddle



### 4.2 HOW TO OPERATE YOUR SCOOTER

#### ■ Key switch

Turn the key to power ON or OFF

(ON) : Power is turned on

(OFF) : Power is turned off



#### ■ Speed Dial

Press the slowest or fastest setting to determine the maximum speed of the scooter.

The image of rabbit means fast or high speed. The image of turtle means slow or low speed. By turning this knob towards chosen image you can control overall speed of the scooter.



Slowest setting

Fastest setting

#### ■ Forward, Reverse, and Braking

- ◆ Pull the speed control lever backwards with your right fingers and the vehicle will move forward.
- ◆ Pull the speed control lever backwards with your left fingers and the vehicle will move backward.
- ◆ The horn will beep when the vehicle is in reverse.

## 4. OPERATION

- ◆ Release the speed control lever freely while either going forward or reverse, and the electromagnetic brake in the motor will be activated and the scooter will stop.

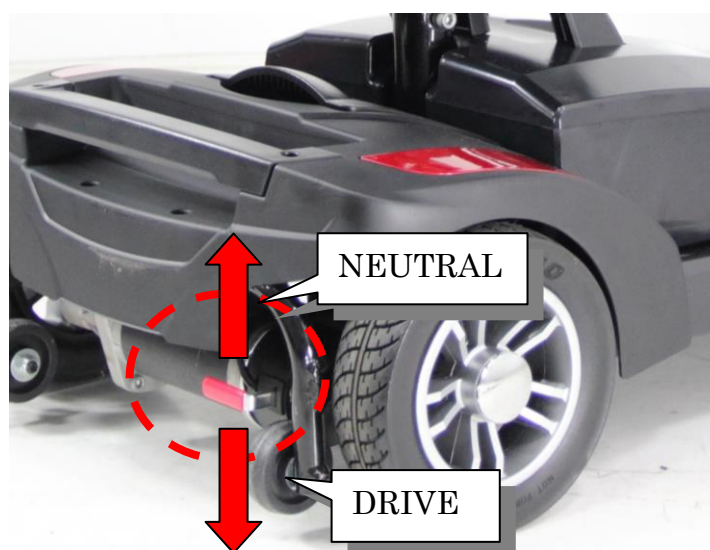
### ■ Horn Button

Press the horn button to sound the horn. Release the button to stop the horn.

### ■ How To Set Freewheel Mode

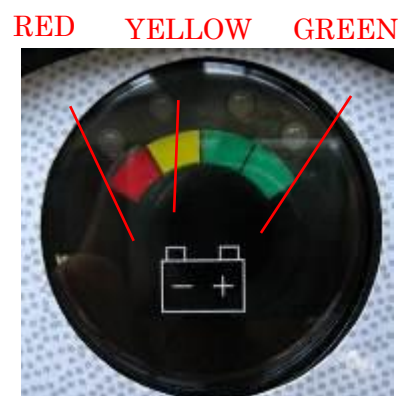
The motor on the scooter can be disengaged, releases the locking mechanism on the gearbox allowing the scooter to roll freely with or without power.

- ◆ Drive Mode  
\*To put the scooter into “drive” mode, pushing freewheel lever up completely.
- ◆ Freewheel Mode  
\*To put the scooter in to “freewheel mode”, pushing the freewheel lever down completely and the scooter can be moved manually.
- ◆ Please note that this will put the scooter in to freewheel mode, so scooter’s motor and brake will be disengaged



### ■ Battery Indicator

The battery indicator on the tiller console uses a color code to indicate the approximate power remaining in batteries. Green indicates (40~100%) capacity, yellow a draining charge (10~30%), and red indicates that an immediate recharge is necessary.



## 4. OPERATION

- ◆ The remaining power suggested by the battery indicator will vary by the actual driving time incurred and how you drive. Repeated starting, stopping, climbing will consume the power more quickly.

### ■ Braking

- ◆ Electro-magnetic brake:  
Release the speed control lever completely, and the electromagnetic brake will be activated automatically, and the scooter will stop.
- ◆ Manual hand brake :  
Emergency braking is possible using the manual hand brake. Squeeze hand brake and use the button to lock it (use it for parking).
- ◆ Squeeze hand brake again to release the button.

### ■ Parking

- ◆ After stopping, tune the main key to OFF and remove the key. The lights will turn OFF. The electromagnetic brake is engaged (locked).
- ◆ The hand brake lever can be locked by pushing button while squeezing hand brake lever. To release the hand brake – squeeze lever gently.

### ⚠ Warning

**When on a gradient NEVER switch the scooter to the freewheel mode. The electromagnetic brakes will not be applied. This may result in injury.**

### ■ How to adjust the armrest width

Loosen the knobs at the back of the seat frame firstly, and then adjust the armrest width by sliding the armrest. Once satisfied with the width, tighten the knob.



### ■ Seat (Seat Swivel Base Assembly is Optional)

- ◆ The seat can be turned to 45 degrees or 90 degrees.
- ◆ Pull the seat adjustment lever forward and swivel seat.
- ◆ Release the lever, and then continue swiveling the seat until it locks in position.

## 4. OPERATION

### ☞ Attention

- ◆ Return the seat to the forward position before driving the scooter.
- ◆ Ensure the limit switch is set to the slowest setting when operating the scooter on the pavement. It is an offence to travel when driving faster than 4mph on the pavement.
- ◆ Position yourself as far back possible before transferring, and never place your weight or downward force on adjustable parts.

### ■ How to re-position the seat (Seat Swivel Base Assembly is Optional)

The seat can be slide backward and forward for a comfortable driving position. To slide the seat, pull the lever at the front the seat and reposition as required.

**DO NOT** sit in your scooter while in a moving vehicle.



### ■ Tiller Adjustment

The tiller can be adjusted in to many different positions to suit each driver.

1. Loosen the lever to adjust the tiller to positions you want.
2. Once decide the position, tighten the lever to secure the tiller.



### ■ Main Circuit Breaker (Reset Button)

When the voltage in your scooter's batteries becomes low or the scooter is heavily strained because of excessive loads or steep inclines, the main circuit breaker may tip to protect the motor and electronics from damage.





## 4. OPERATION

### 4.3 ASSEMBLING AND DISASSEMBLING

The scooter can be disassembled into five sections without tools: the seat, basket, battery pack, front and rear section. Please be sure to follow these steps to properly assemble and disassemble your scooter.

#### ■ Assembling The Scooter (Seat Swivel Base Assembly is Optional)

No tools are required to disassemble or assemble your scooter.

1. Place the freewheel mode lever in the drive position.
2. Set the rear section in the up position and make sure the hook for the front section is connected to the axle of the rear section.
3. Put down the front and rear sections until the scooter is in locked.
4. Set down the battery pack on the scooter, and make sure it is in the correct position.
5. Set down the seat on the seat post until the swivel lock engages and you hear a click.
6. Turn key switch to "ON". Make sure battery gauge indicates sufficient power.

#### ■ Disassembling The Scooter

The SC-S2454 can be disassembled in to five pieces, the seat (7.21 kg / 15.9 lbs), basket, the front section (15.74 kg / 34.7 lbs), the rear section (10.69 kg / 23.5 lbs) and battery pack (9.18 kg / 20.2 lbs).

**Warning**  
 To avoid personal injury, ask for assistance when necessary while disassembling or assembling your scooter.



Please follow the steps. (Seat Swivel Base Assembly is Optional)

1. Make sure the tiller is raised before reassembling the scooter.
2. Turn key switch to "OFF".
3. Place the free wheel mode lever in the drive position.
4. Take off the basket.
5. Push the Seat Rotate Lever while pulling up on the seat to remove.

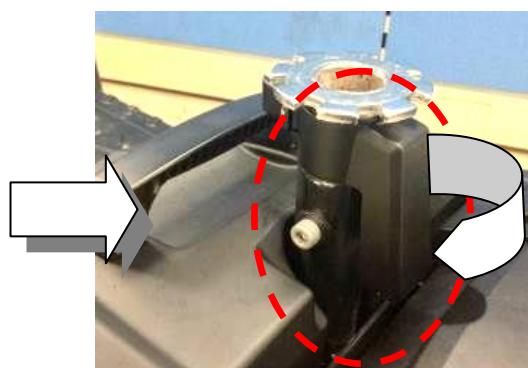


## 4. OPERATION

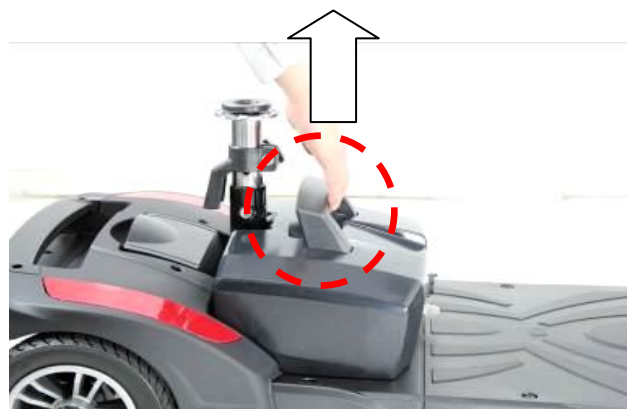
6. Unlock the battery lock part and rotate the battery lock part.
7. Pick up the battery pack and remove it from the scooter.
8. Loosen the tiller adjustment knob and fold down the tiller and retighten knob.
9. Lock the front wheel and tiller by turn and pull the wheel lock catch down.
10. Pull the connecting device upward to the rear section and stand upright.
11. Take off the front section with both hands and lower the shaft.



5. Push the Seat Rotate Lever while pulling up on the seat to remove.  
(Seat Swivel Base Assembly is Optional)

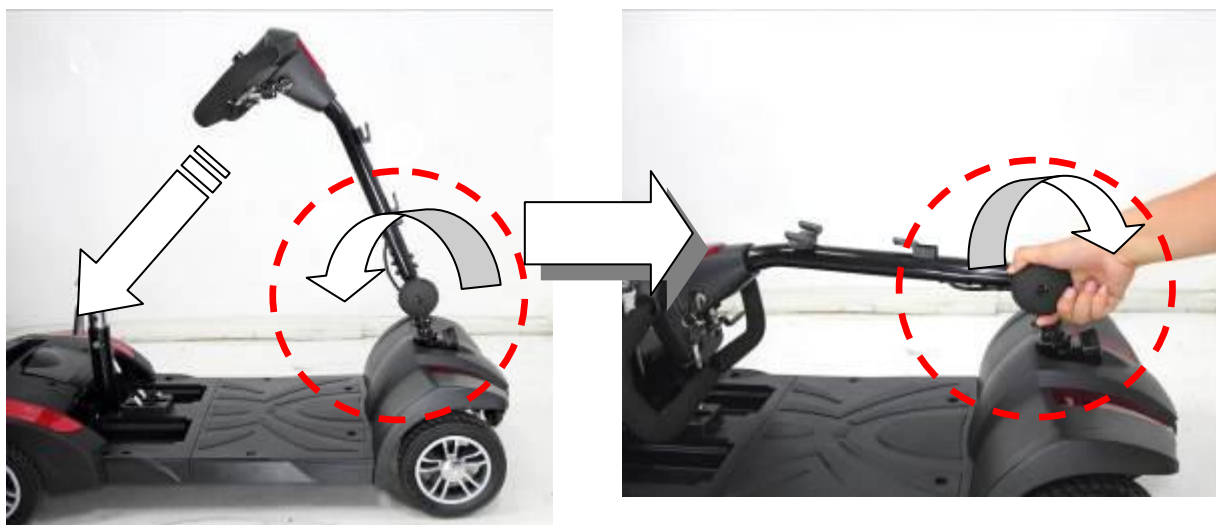


6. Unlock the battery lock part and rotate the battery lock part.

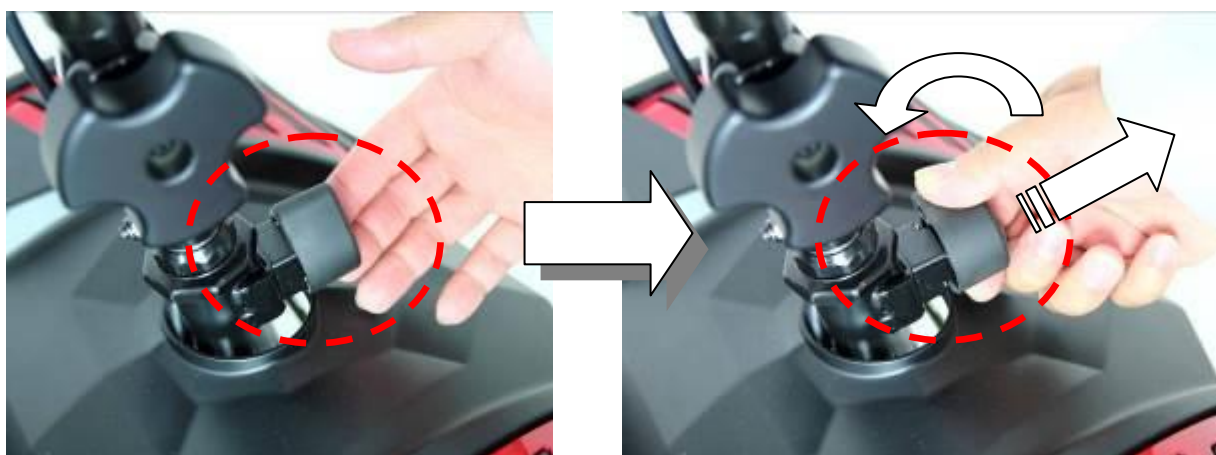


7. Pick up the battery pack and remove it from the scooter.

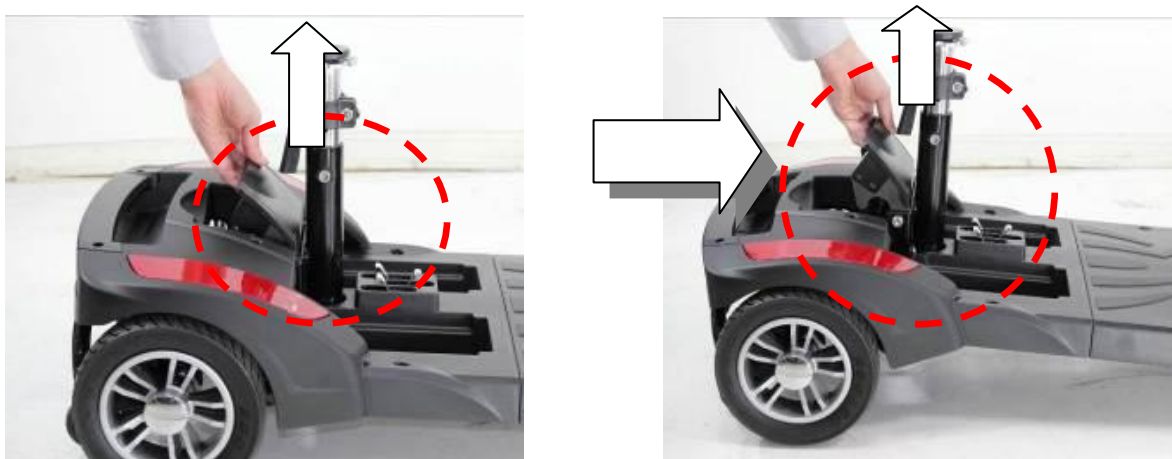
## 4. OPERATION



8. Loosen the tiller adjustment knob and fold down the tiller and retighten knob.



9. Lock the front wheel and tiller by turn and pull the wheel lock catch down.



10. Pull the connecting device upward to the rear section and stand upright.

## 4. OPERATION

### 4.4 CHANGING COLOR PANEL

Your scooter features interchangeable panels which allow you to change the color of your scooter.

These instructions will guide you through the process of changing the panels. The panels that can be changed are indicated in the illustration at the right.



#### ■ To replace the tiller color panel

No tools are required to replace the tiller color panel.

Using your thumbs, gently grip the end of the panel and lift upward until the panel lifts off the tiller.



#### ■ Replacing the front and rear shroud color panel

Please disassembling the scooter before replace the front and rear shroud color panel.

Removing the color panel by snapping off from underneath the shroud. Screwdriver is required.



## 5. BATTERY CHARGING AND CARE

### 5.1 CHARGING THE BATTERY

Follow the procedures below step by step:

1. Turn the power switch to (OFF)
2. Connect the charger's power cord into the power outlet.
3. Open the charging socket cap on the battery pack and connect the charger's round plug to the charging socket.
4. Turn on the switch on the charger.
5. Both the charger's red and orange LEDs will be lit when beginning charging. The charging duration is about 6 hours. To ensure optimum performance a 10-hour charge is recommended. But we do not recommend a charging more than 24 consecutive hours.
6. Both the charger's LEDs will be lit during the charging process. The orange LED will turn green when charging is complete.
7. Turn off the charger; disconnect the power cord and the round plug from charger socket on the scooter.



#### Warning

- ◆ **The fan inside the charger will be activated accordingly when you turn on the charger. If the fan does not work when connected to the charger or the green light is not showing, DO NOT use this charger. It may lead to overheating of the charger and cause a fire as a result.**
- ◆ **There is a red LED present on the charger to illustrate operation. If this LED does not illuminate the charger is defective, please contact your dealer.**

#### Attention

- ◆ **While gripping or folding the handle bar, beware of finger or hands caught in the handle area.**
- ◆ **While returning the battery pack to the battery pack cavity of shroud, beware of finger or hands.**

#### Warning

1. **Keep away from flammable objects while charging as it may lead to fire or explosion of battery.**
2. **Do not smoke while charging as the battery may release hydrogen gas. Always charge your battery in a well-ventilated space.**
3. **Never connect or disconnect the plug or cord with wet hands while charging. Do not connect or disconnect the plug or cord when they are wet, it may lead to electric shock.**

*NOTE: The immovable function will be activated while your scooter is in charging status, which will make your scooter not run.*

## 5. BATTERY CHARGING AND CARE

**⚠ Attention - Please follow the rules below to avoid accidents while charging batteries.**

1. Please use the 1.5A charger only, and recharge the battery to its full capacity every time. You may damage the battery and scooter if you use a charger which is not to the correct specification.
2. Please charge in a well-ventilated space where it is not directly exposed to the sunlight. Do not charge in surroundings where it is humid or under rainfall and morning dews.
3. Do not charge in temperatures less than  $-10^{\circ}\text{C}$  or higher than  $+50^{\circ}\text{C}$  as the charger may not work well and the batteries may become damaged.

### 5.2 BATTERY

- ◆ Do not expose the battery to temperatures below  $10^{\circ}\text{C}$  or above  $50^{\circ}\text{C}$  when charging or storing the scooter. Under the above temperature range can cause the battery either to freeze or over heat. This will damage the batteries and shorten their life.
- ◆ These batteries are maintenance free and there is no need to refill with water.
- ◆ You are required to recharge the batteries on a regular basis. Even if the scooter is stood idle, you should charge the batteries after daily use, at least once a week.
- ◆ The batteries carry a six-month manufacturer's warranty. The warranty only covers issues relating to manufacturing faults, and not faults relating to failure to recharge the batteries as instructed above.

**📖 Suggestion – How to maximize your batteries efficiency and service life**

1. Fully recharge your new battery before its first time use.
2. Be sure fully charged the batteries every time. The battery life will be seriously shortened or decayed if the batteries are repeatedly used without being fully charged.
3. Always complete the charging until the orange LED light turns green. NEVER stop charging before it is complete.
4. Keep your batteries fully charged whenever possible.
5. If you do not use your scooter for a long time, it should be charged at least every week to keep the battery in a fully usable condition.
6. The ambient temperature will affect charging time. Charging time will be longer in the winter.
7. After charging, do not leave the charger socket plugged in to the scooter, as this will cause a power drain on the scooter and temporarily reduce its range.

## 5. BATTERY CHARGING AND CARE

### ■ Cleaning the battery

If the batteries are contaminated by water, battery acid, dust or other substances, they will discharge quickly. The batteries supplied with the **SEGAEGO 4D** scooter are sealed and as such are maintenance free with no risk of battery leakage. Please follow the steps below to clean the battery.

1. Turn the scooter power switch to "OFF".
2. Remove the seat and dust cover.
3. Remove the shroud and unplug the terminal of the taillight and signal lights.
4. Use a clean cloth to wipe off the soiled area.
5. Take out the battery.
6. Clean the battery with a clean cloth. If the terminal is covered by white powder, please wipe it clean using warm water.

### Warning

1. **The wiring system and charger are well situated in battery pack while assembled in plant. Do not attempt to re-locate the wiring system by yourself. The improper layout of wiring system may result in the wires pinched by battery box, which might the electronic system failure.**
2. **Be sure the battery wires are connected to their right battery terminal.**

### Suggestions

If necessary, ask for help from your dealer for advice about maintaining and replacing the battery.

### Suggestions

1. Make sure the battery terminals are installed properly and put the cover back on.
2. Do not use the battery to charge telecom equipment or other items.
3. Battery efficiency will vary with outside conditions; the driving distances will be shorter in the winter. If the vehicle is not used for a long time, please charge the battery at least every week.
4. Replace both batteries together.



# 6. INSPECTION AND MAINTENANCE

## 6.1 INSPECTION

- ◆ Clean the scooter with a damp cloth and dust down approximately once a week to preserve the appearance of the scooter.
- ◆ Adjust the tiller height and return to the original position and swivel the seat (optional) once a week to ensure the parts adjust and remove smoothly and easily when required.
- ◆ Check for signs of wear and tear on the tires and the upholstery on a regular basis.
- ◆ For optimum performance and to increase the lifespan of your scooter, it is recommended that you have your scooter serviced once a year.

## 6.2 REGULAR CHECKING RECORD

For your own safety, inspection and maintenance on the scooter **MUST** be performed and signed by a certified medical device technician every 3 months. Maintenance records (below) should be kept at all times.

**Note: Monthly inspection is strongly recommended by the manufacturer to ensure ultimate performance of the device.**

Service Record No.: \_\_\_\_\_ Model #: \_\_\_\_\_ Serial No. \_\_\_\_\_

Technician Sign: \_\_\_\_\_ User Sign: \_\_\_\_\_

Tech. Print Name: \_\_\_\_\_ User Print Name: \_\_\_\_\_

YEAR	1	2	3	4	YEAR	1	2	3	4
Service Dates					Service Dates				
Controller					Upholstery				
On/off switch					Seat				
Controller Lever					Back				
Braking					Armrests				
Recharge point					Electrics				
Batteries					Connections condition				
Levels					Lights				
Connections					Test run				
Discharge test					Forwards				
Wheels and Tyres					Reverse				
Wear					Emergency stop				
Pressure					Left turn				
Bearings					Right turn				
Wheel nuts					Slope test				
Motors					Over obstacles				
Wiring					List items repaired				
Noise									
Connections									
Brake									
Brushes									
Chassis									
Condition									
Steering									

## 6. INSPECTION AND MAINTENANCE

### 6.3 BATTERY, FUSE AND TYRE

#### ■ Battery

Refer to the section entitled "5.2 BATTERY" in "5. BATTERY CHARGING AND CARE".

#### ■ Fuse

If the battery charger is turned on and no LEDs are lit, check the fuse.

#### Suggestion

Ask for help from your scooter dealer to inspect or replace the fuse, since the tiller shroud has to be removed first before you can replace the fuse.

#### ■ Tires

The condition of the tires depends on how you drive and use your scooter.

◆ Inspecting tire tread

◆ Please check the tread groove regularly. Replace the tires when the tread groove is less than 0.5 mm.

#### Attention

1. When tread groove is below 0.5mm it can easily lead to vehicle slippage, making braking distances longer. Therefore replace the tires as early as possible when they do not have insufficient tread depth.
2. The tire pressure shall be kept at about 26 PSI (approx. 1.8KG/cm) for the best ride and handling.

#### Attention

When conducting maintenance of your vehicle, please turn the power switch to OFF and remove the charger cords.

#### Suggestions

- ◆ Do not splash water directly to wash your scooter as this could lead to malfunction of the system electrics.
- ◆ Do not use petrol, solvents or vaporizing solution as these may deform or damage the shrouds.
- ◆ Do not use wax.

### 6.4 STORAGE

Make sure the vehicle is stored under the following circumstances:

- Make sure the seat is set in the "Forward" position
- Make sure the Power switch is turned to OFF

#### Suggestion

Please store the scooter in a location where it is away from the direct sunlight, rain, or dew. When storing for a long time, please charge the battery to full power and then disconnect the battery terminal. For details inquire to your scooter dealer.



## 6. INSPECTION AND MAINTENANCE

### 6.5 MOVING THE SCOOTER

- ◆ Turn the power switch “OFF” before moving.
- ◆ Lift the scooter by the chassis, and not by the bumpers. Lifting the scooters by the bumper could cause damage or injury.
- ◆ For your safety, always ask for help if required. You will need 2 or 3 persons when moving or lifting the scooter.

## 7. TROUBLE SHOOTING AND SPECIFICATION

### ■ TROUBLE SHOOTING (Seat Swivel Base Assembly is optional)

<i>Symptom</i>	<i>Remedy</i>
The scooter will not switch on	<ul style="list-style-type: none"> <li>• Try recharging the battery</li> <li>• Check the fuse and circuit breaker in the scooter</li> </ul>
The scooter key switch or power switch is in the ON position, but the scooter won't power up.	<ul style="list-style-type: none"> <li>• Ensure there is enough power in the batteries. If not, recharge the batteries.</li> <li>• Ensure the freewheeling lever is engaged in the drive position.</li> </ul>
The scooter appears slow	<ul style="list-style-type: none"> <li>• Check the battery power level and recharge</li> <li>• Check the speed dial is not set to slow.</li> </ul>
The seat turns when in operation	<ul style="list-style-type: none"> <li>• Slowly rotate the seat until it drops in to place and is secure</li> </ul>
The handlebar appears loose	<ul style="list-style-type: none"> <li>• Tighten the height adjustment handle to secure the handlebar</li> </ul>
Involuntarily horn sounds	<ul style="list-style-type: none"> <li>• Ensure that the wigwag paddle is released.</li> <li>• Switch the scooter off and on.</li> <li>• Recharge the batteries.</li> <li>• If problem persists contact your <b>DALTON</b> dealer.</li> </ul>

### ■ SPECIFICATIONS

Model Reference	<b>SC-S2454</b>
Overall Dimension (LxWxH mm)	(42.5" x 18.5" x 35.5")
Weight with batteries	42.8 kg / 92 lbs
without batteries	33.6 kg / 72.2 lbs
Battery	(2) 12AH (option 20AH)
Battery Charger	1.5A Off-Board
Front Tire	8" 200X50 PU TIRE
Rear Tire	8" 200X50 PU TIRE
Driving System	Direct drive the rear wheels (with differential gear)
Brake System	Electromagnetic brakes
Control Method	By speed control lever
Top Speed	4 mph / 6.4 KPH
Climbing Angle	6 degree
Cruising Range	7 miles
Weight Capacity	136 kg (300 lbs)

Remark: The manufacturer reserves the right to modify the specification if necessary. The final Specifications are subject to the individual scooter you purchase from your dealer.

**Note:** Maximum driving distance is based on an ambient temperature of 20°C, a 75kg driver and a brand new fully charged battery by a constant driving speed at 6.4 km/h with 70% battery power discharged.

## 8. LIMITED WARRANTY

**The warranties extend and apply only to the original purchaser and from the date of purchase of our products (Seat Swivel Base Assembly is Optional).**

We warrant the main frame of power mobility scooter against defects in materials and workmanship for one (1) year, one (1) year on electrical and motor/gearbox assembly, six (6) months on battery, three (3) months on plastic components (except power scooter body), rubber components (except tires and tubes), bearings and bushings

If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced at our option to the original purchaser. This warranty does not include any labor or shipping charges incurred in replacement part, installation or repair of any such product. Our sole obligation and your exclusive remedy under the warranties shall be limited to such repair and/or replacement. For warranty service and repair, must be carried out by the dealer from whom you purchase your product.

### Warranty Exceptions

**Motor:** If damage occurs to the commutator of a motor as a result of not replacing the motor brushes after heavy wear to brushes. Motor brushes are wear items and are not warranted.

**Brakes:** One-year warranty for electrical function of the brake. Brake pads are a wear item and are not warranted.

### Warranty Limitations and Exclusions:

- Tires and tubes, upholstery and seating are wear and tear items and are not warranted
- ABS plastic body shrouds and footrest covers are wear and tear items and are not warranted
- Repairs and/or modifications made to any component without the specific prior written consent from manufacturer of this power mobility scooter
- Circumstances beyond the control of manufacturer of this device
- Labor, service calls, shipping and other charges incurred for repair of product
- Exterior cosmetic damage
- Damage, defect or failure caused by (a) improper operation, maintenance, storage, (b) abuse, misuse. Accident or negligence, (c) battery fluid spillage or leakage, and (d) commercial use, or use other than normal

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, IF ANY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESSED WARRANTY PROVIDED HEREIN AND THE REMEDY FOR VIOLATIONS OF ANY IMPLIED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN. WE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE/PROVINCIAL LAWS AND REQUIREMENTS.

# 8. WARRANTY REGISTRATION

## Warranty Registration

MODEL NO. \_\_\_\_\_

SERIAL NUMBER: \_\_\_\_\_

DATE OF PURCHASE: \_\_\_\_\_

NAME \_\_\_\_\_ Email: \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

NAME OF DEARER \_\_\_\_\_

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STAMP

RETURN ADDRESS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Release Date: 2016/03/20