

SWAGTRON®

USER MANUAL

Ver. 1.0 10/23/18

In order to continue serving our customers and providing the best products, our product information including our user manuals may receive updates from time to time. Please check our website for the latest user manuals and product materials.

SWAGGER 2 ///
FOLDING ELECTRIC SCOOTER



Thank you for your purchase of the Swagger 2 Folding Electric Scooter by SWAGTRON®!

To ensure your safety and the safety of others, please read the guidelines in this user manual and follow them during riding.

If you have any questions regarding the Swagger 2, contact us at 1-844-299-0625 for further assistance.

Happy Riding!

The SWAGTRON® Team

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SECTION1: GENERAL INFORMATION

Before operating this vehicle, please read all instructions. This manual will guide you through the functions, usage, and proper care of your Swagger 2 Folding Electric Scooter. If you have any questions or cannot find the information you need in the manual, please contact your place of purchase or our customer service at 1-844-299-0625. Before contacting customer service, please have your purchase information ready as this may be needed during the call. This information may be recorded below.

Date of Purchase: _____

Place of Purchase: _____

It is important that you follow all safety warnings that appear throughout this manual and exercise good judgment when using your Swagger 2 scooter. Consult this manual before you attempt to use your Swagger 2.

1.1 Safety Warnings and Important Information

Within this manual, “the Swagger 2”, “your Swagger 2”, “your scooter” and “the scooter” refer to the Swagger 2 Folding Electric Scooter. The Swagger 2 is a personal scooter that uses electrical power. By riding the Swagger 2, the user acknowledges and accepts responsibility for all risks associated with the use of the Swagger 2 which may include, but are not limited to, muscle injuries, broken bones, lacerations, serious injury, and possible death.

To better insure your safety, **ALWAYS USE APPROPRIATE PROTECTIVE GEAR**, read and follow all instructions and warnings in the user manual.



Appropriate protective gear should include shoes, kneepads, elbow pads and an ASTM F1492 approved helmet.

1.2 FCC Information

DECLARATION OF CONFORMITY:

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RELATED INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

1.3 Disposal at End-of-Life

This product must not be disposed of by incineration, landfilling, or mixing with household trash. Improper disposal of the battery contained within this product may result in the battery heating up, rupturing, or igniting which may cause serious injury. The substances contained inside the battery present chemical risks to the environment. The recommended disposal for any Swagger 2 Folding Electric Scooter at its end-of-life is to dispose of the entire unit at or through an e-waste recycling center, program, or facility. Local regulations and laws pertaining to the recycling and disposal of lithium-ion batteries and/or products containing them will vary according to country, state, and local governments. You must check laws and regulations corresponding to where you live in order to dispose of the battery and/or unit properly. It is the user's responsibility to dispose of their waste equipment properly in accordance with local regulations and laws.

For additional information about where you should drop off your batteries and electrical or electronic waste, please contact your local or regional waste management office, your household waste disposal service, or your point-of-sale.

SECTION 2: FEATURES

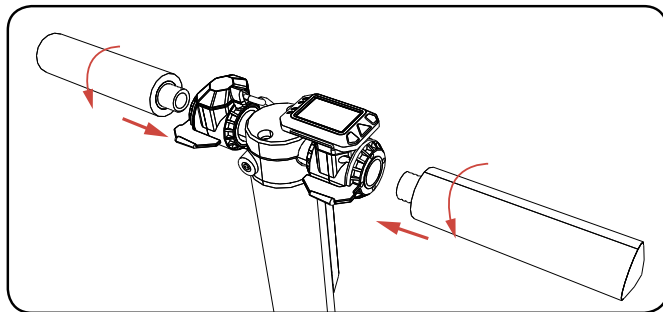
2.1 What's in the Box?

- 1x Swagger 2 Folding Electric Scooter
- 2x Handles
- 1x Charging Cable / Adapter
- 2x Allen Keys
- 1x User Manual

2.2 Assembly

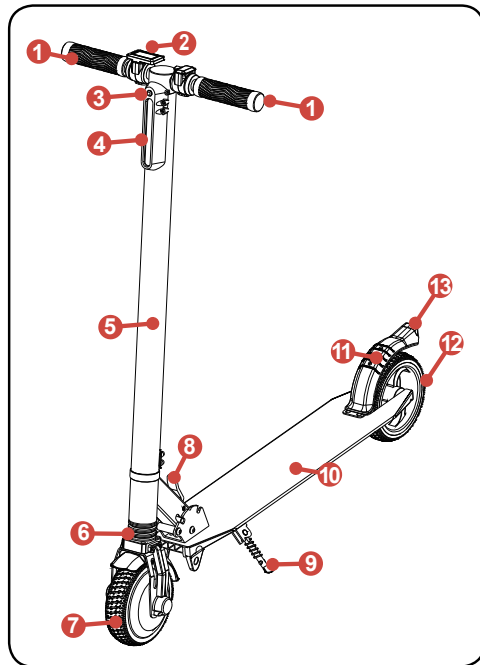
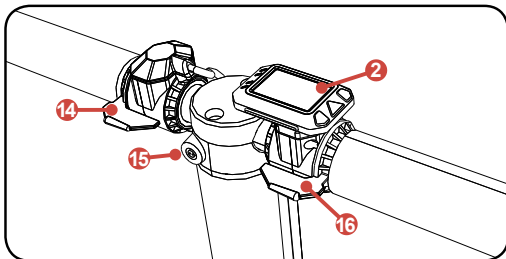
The scooter comes mostly assembled within the package. Simply screw each handle into each side of the middle connector bar.

Before installing the handlebars, please check each for a small letter to indicate which side of the scooter the handle should be attached to. **L** is for the left side while **R** is for the right side. Screw in each handle and make sure everything is securely attached.

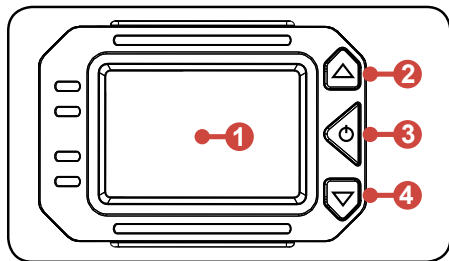


2.3 Swagger 2 Diagram

1. Handles
2. Display
3. Headlight Power Button
4. Headlight
5. Handlebar Stem
6. Suspension
7. Motorized Front Wheel
8. Folding Latch
9. Kickstand
10. Deck
11. Footbrake
12. Rear Passive Wheel
13. Reflector
14. Handbrake
15. Charging Port
16. Throttle



2.4 Display Overview



Press and hold the **POWER** button for ~3s to turn on the display.

The display is made up of these parts:

- | | |
|-----------------|----------------|
| 1. Screen | 2. Up Button |
| 3. Power Button | 4. Down Button |



DO NOT expose the display to direct sunlight or high heat for extended periods of time.
DO NOT store the scooter inside a vehicle or other location subject to high heat. Any of these conditions may damage the display's interface.

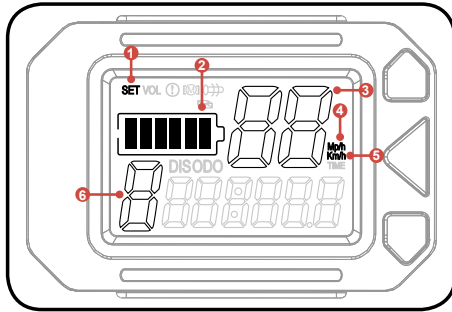
2.5 Display Indicators

To navigate through the display use the **UP** and **DOWN** buttons.



After 5 minutes of non-use, the display will turn off as the scooter turns off.

General Indicators:



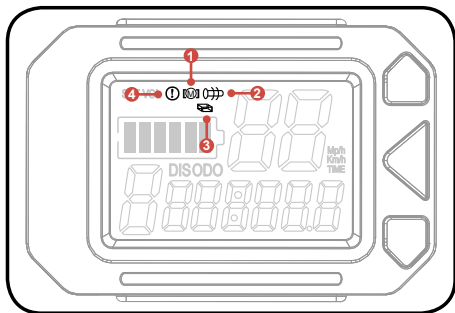
- 1. Setting:** This icon will appear when modifying program settings. Please see **2.6 Display Program Settings** for more information on these settings.
- 2. Battery Level:** This icon indicates battery power level. As power goes down, the icon will indicate different levels.



When the battery level is low, stop riding, turn off the scooter, and fully recharge it before riding again.

- 3. Speed:** These numbers indicate current speed readings and will change as the scooter is in use.
- 4. Miles per Hour (MPH or Mp/h):** This icon indicates odometer readings and will appear if you have selected speed to display with this unit of measurement.
- 5. Kilometers per Hour (KPH or km/h):** This icon indicates odometer readings and will appear if you have selected speed to display with this unit of measurement.
- 6. Gear Position:** This icon indicates current gear. There are 3 speed gears. Gear 1 is 0~3.7 mph. Gear 2 is 0~9.3 mph. Gear 3 is 0~15.5 mph. Use the **UP** and **DOWN** buttons to adjust gears as desired.

Fault Indicators:



There are four icons which will appear under abnormal circumstances and/or if the internal system or parts inside the scooter encounter some type of issue.

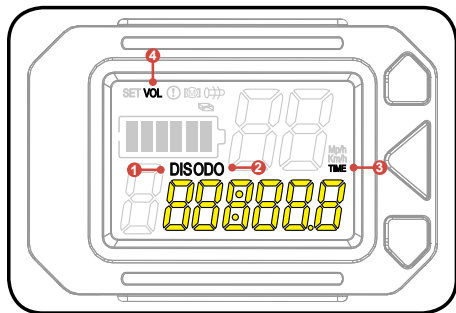
In the event that any of these icons appears, first turn the scooter off and back on again.



If turning the scooter off and on again doesn't resolve the issue, contact customer service as soon as possible.

- 1. Motor Failure:** The icon indicates motor activity and will appear if an element of the motor fails to function properly. If the issue is resolved and/or there are no issues with any element of the motor, the icon will not appear.
- 2. Handle Failure:** The icon indicates handling activity and will appear if an element of the steering fails to function properly. If the issue is resolved and/or there are no issues with any element of the scooter's handling, the icon will not appear.
- 3. Control Failure:** This icon indicates a serious internal issue with the scooter's components. If this icon appears, immediately stop using the scooter and contact customer service.
- 4. Brake Failure:** This icon indicates abnormal brake activity and will appear if an element of the brakes fails to function properly. If the issue is resolved and/or there are no issues with any element of the brakes, the icon will not appear.

Display Indicators & Modes



Different modes and their related settings may be shown on the display as desired. To switch between modes and display different information, briefly press the **POWER** button.

- 1. Distance:** When this mode is selected, the distance icon and the corresponding value will appear on the highlighted area on the display. This icon is related to tracking the distance you travel per trip. To reset, turn the scooter off and/or press and hold the **UP** button.
- 2. Odometer:** When this mode is selected, the odometer icon and the corresponding value will appear on the highlighted area on the display.
- 3. Time:** When this mode is selected, the time icon and the corresponding value will appear on the highlighted area on the display. This icon is related to tracking the time you travel per trip. To reset, turn the scooter off.
- 4. Voltage:** The icon will show upon start-up. The voltage is related to internal settings within the scooter and is not user-accessible.

2.6 Display Program Settings

The display features 6 program settings which are not readily indicated on the screen by default. To access settings, press and hold the **UP** and **DOWN** buttons simultaneously to enter the settings' screen, then press the **POWER** button to cycle between P1~P9 setting screens. For each setting, use the **UP** and **DOWN** buttons to adjust options or levels according to which setting you are modifying. To exit settings, simply press and hold the **UP** and **DOWN** buttons simultaneously or wait. The display will time out and return to the main interface on its own.

P 1: Measurement Setting

This setting determines the unit of measurement in which your current speed is displayed. Speed may be displayed in either miles per hour (MPH or Mp/h) or kilometers per hour (KPH or Km/h). By default, this setting is at 0, with the measurement being kilometers per hour (KMH or Km/h). If changed, the display will show the related icons.

P 2: Cruise Control

This setting is for the Cruise Control feature. Levels may be set to 1 or 0. By default, this setting is at 0. Selecting 0 turns the feature off. Selecting 1 turns the feature on.

P 3: Manual Acceleration Start Setting

This setting is related to voltage and effects acceleration. Levels may be set to 0 or 1. By default, this setting is at 0. Selecting 0 will turn this feature off meaning you may use the throttle to immediately accelerate meaning

you are not required to manually generate power. Selecting 1 will turn this feature on meaning you will need to generate power yourself before the throttle may be used. This setting may be changed as desired. Note, selecting 1 may improve battery life as using manual energy helps conserve some of the scooter's battery power. For details on the different ways to accelerate, please see Section 4.1.

P 4 Display Wheel Diameter

This setting is related to wheel diameter and should display 6.5 inches. Do not attempt to adjust.

P 5 Display Internal Voltage

This setting is related to internal voltage settings within the scooter and should be set at 24V. Do not attempt to adjust.

P 8: Clear Odometer (ODO) Data

The setting is related to odometer readings. By default, this setting is at 0. Select 1 then press and hold the **UP** and **DOWN** buttons simultaneously or wait to exit and clear ODO data.



P 6, P 7, and P 9 settings are for factory use and not meant to be user-accessible, do not attempt to adjust them.

2.7 Standing, Folding, and Unfolding

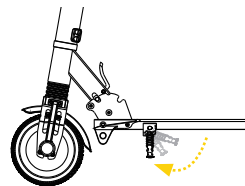


- Before moving, lifting, or otherwise transporting the scooter, turn it off.
- Keep fingers away from all movable parts of the scooter to prevent injury to fingers or other body parts.

Standing

Before using the kickstand, bring the scooter to a complete stop and turn it off. Before riding the scooter again, lean the scooter off the kickstand and push the kickstand up.

1. Locate the kickstand on the side of the scooter's deck.
2. Push the kickstand down and away from the scooter. Then carefully lean the weight of the scooter onto the kickstand.



Folding

Step 1. Pull the lever down towards the deck. The pin connected to the lever should slide up out of its notch.

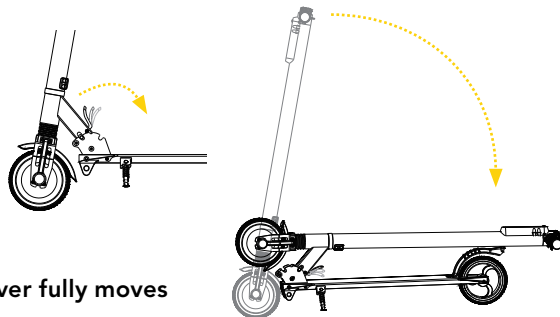


If the lever is hard to move, try pulling stem away from the deck slightly in order to ease the tension on the folding mechanism.

Step 2. With the lever moved, pull the stem down towards the deck, line the pin up with the third notch, and push the lever back into place as needed.



Make sure the pin slides into the notch and the lever fully moves back in place otherwise the scooter may unfold.

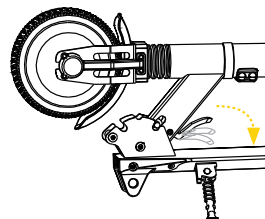


Unfolding

Step 1. Pull the lever down towards the deck. The pin connected to the lever should slide up out of its notch.



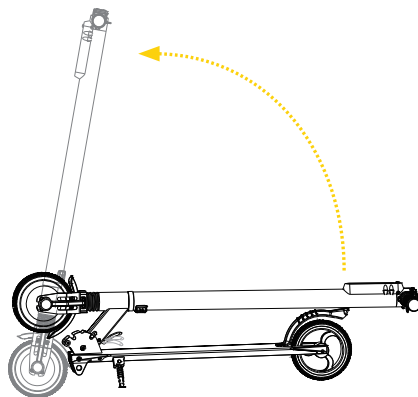
If the lever is hard to move, try pulling stem down towards the deck slightly in order to ease the tension on the folding mechanism.



Step 2. With the lever moved, pull the stem up away from the deck, line the pin up with the first notch, and push the lever back into place as needed.



Make sure the pin slides into the notch and the lever fully moves back in place otherwise the scooter may fold.



SECTION 3: CHARGING



CHARGE THE SCOOTER BEFORE USING IT.

3.1 How to Charge

- Step 1. Make sure the scooter is turned off and remove charging port's cap. Connect the charging cable and adapter together if needed.
- Step 2. Connect the charging cable to the scooter, then connect it to a wall outlet.
- Step 3. Allow 5~6 hours charging time. During charging, the charger light will turn red.
- Step 4. When the scooter is fully recharged, the charger light will turn green. Disconnect the scooter from the charger.



DO NOT under any circumstances use the scooter while it is charging or connected to the charger.



The charging time is 5~6 hours. Charging longer than that may affect battery life and/or performance. If the charger's light doesn't turn on, it may not be fully connected. Check that it is securely connected to the wall and to the scooter.

3.2 Safety Warnings



- Do not place the scooter or its battery in fire or direct contact with heat.
- Do not attempt to pierce the battery with sharp objects, strike, step on, or otherwise subject it to strong impact.
- Do not expose the scooter or its battery to water or any liquids, or allow the battery to get wet.
- Do not disassemble or modify the battery.
- Do not place the scooter on or near any source of heat or in high-temperature locations.
- Do not place the battery in microwave ovens, high-pressure containers, or on induction cookware.
- Do not place the battery in direct sunlight or use or store the battery inside cars in hot weather.
- If the scooter is to be used by children, explain the contents of the user manual to the children. You or a caregiver should provide adequate supervision to ensure that the device is used as explained in the user manual.
- Immediately discontinue use if, while using, charging, or storing the battery, the battery emits an unusual smell, feels hot, changes color, changes shape, or appears abnormal in any other way.
- In the event that the battery leaks and the fluid gets into one's eye, do not rub the eye. Rinse well with water and immediately seek medical care. If left untreated, the battery fluid could cause damage to the eye.
- Use only the charging accessories provided by the manufacturer.
- Do not continue charging the battery if it does not recharge within the specified charging time.
- The temperature range within which the battery can be charged is 32°F~104°F (0°C~40°C).

- Do not discharge the scooter using any device except for the specified device.

SECTION 4: USAGE



- Protective gear including a ASTM F1492-approved helmet must be worn at all times.
- The scooter supports up to 200 lbs (90 kg).
- Only operate the scooter where permitted. Local laws may restrict where you may ride.



The scooter contains a motor and may be classified as a motor vehicle under your local law. It is your responsibility to understand and abide by any local laws restricting how or where you may ride.

4.1 Getting Started

Assuming you have equipped suitable protective gear and that the Swagger 2 has been placed on a level surface, is well charged, and does not have any issues, follow the steps below. For your safety, please read this entire section before attempting to ride.

The **Manual Acceleration Start** feature is off by default which means you may use the throttle immediately for powered acceleration. If it is on, you will need to step and kick off the ground to begin **Manual Acceleration Start** before the throttle may be used.

Regardless of start type, **Cruise Control** may be used any time after you've started using the throttle. See the following instructions.

Powered Acceleration Start

This is the default start setting. Follow the instructions below.

Step 1. Press the **POWER** key for ~3 seconds to turn the scooter on.

Step 2. Carefully step on with one foot and stand upright but relaxed.

Step 3. Balance with both feet on the scooter and use the throttle to start powered acceleration.

Step 4. To stop riding, release the throttle and use the handbrake, footbrake, or both to gradually coast to a stop then step off the scooter one foot at a time.

Manual Acceleration Start

To use this start setting, please refer to **P 3** in Section 2.6 then follow the instructions below.

Step 1. Press the **POWER** key for ~3 seconds to turn the scooter on.

Step 2. Carefully step on with one foot and stand upright but relaxed.

Step 3. Keep one foot on the ground and kick off to begin accelerating manually.

Step 4. Once the scooter reaches approximately 4 mph (6km/h), press the throttle to start powered acceleration.

Step 5. To stop, release the throttle and use the handbrake, footbrake, or both to gradually coast to a stop then step off the scooter one foot at a time.

Cruise Control

Step 1. Accelerate to reach the desired speed.

Step 2. Hold the throttle for ~6 seconds to turn on Cruise Control and maintain speed.

Step 3. Use the throttle or the handbrake to turn off Cruise Control.

While riding, you can use the front headlight to improve visibility if needed. To use the light, simply press the button just above the light to turn it on or off.



Using the headlight for extended periods of time may affect scooter's overall battery life.

4.2 Practicing Guidelines

Practice until you are comfortable with using all of the scooter's functions. See the following tips below.

- Wear casual clothing and flat shoes to maintain your flexibility and stability.
- Practice until you can easily get on, move forward, turn, stop, and dismount with ease.
- Make sure the pavement is even. Do not operate on a slope until you are experienced.
- Ride on relatively smooth, flat terrain.

SECTION 5: MAINTENANCE



Do not perform any maintenance when the power is on or the battery is charging. Do not let water or liquids get into the scooter. It will cause permanent damage to the internal electronic components.

5.1 Cleaning

The scooter may need cleaning after riding for extended periods of time. See the following tips below.

- Turn the scooter off before cleaning.
- Use dry, non-abrasive cloth to gently remove debris or dust.
- The scooter may not come in contact with it in any kind of liquid.
- Never use alcohol or ammonia-based cleaning solutions.
- Never spray liquid directly onto any part of the scooter.

5.2 Storage

The scooter can be stored easily when not in use. See the following information below.

- Before storing, fully charge the scooter to prevent battery over-discharge due to non-use.
- Cover the scooter when storing to protect from dust.
- Store the scooter indoors.
- If storing for more than one month, discharge and recharge the battery every three months.
- DO NOT store in an unheated garage, shed, or other location with extreme temperature fluctuations or ranges.

SECTION 6: SPECIFICATIONS

Performance Indicators	Item	Parameters
Size	Folding Size	43.3 x 17 x 11.8 in.
	Open Size	43.3 x 17 x 37.8 in.
Weight	Vehicle Weight	About 22.5 lbs (10.2 kg)
Main Parameter	Max. Load	200 lbs (90 kg)
	Maximum Speed	About 15.5 mph (25km/h, based on terrain)
	Range per Charge	9 miles (14.5 km)
	Maximum Incline	20°
	Suitable Terrain	Hard Surfaces, Flat Roads, Ramps under 20°
	Working Temperature	32°F~104°F (0°C~40°C)
	Storage Temperature	-10°F~113°F (-23°C~45°C)
Battery	Battery	Lithium-Ion Battery
	Battery Management System (BMS)	Balance, Over-charge, Under-voltage, Overheating, Automatic Cutout

Performance Indicators	Item	Parameters
Charger	Rated Input Voltage	AC100 - 240 V 50/60Hz 1A
	Rated Output Voltage	29.4 V
	Rated Current	1A
	Charging Time	5~6 hrs
	Watt Hours	155.4 Wh
		<p>1. Model: ABT010294, Input: 100 - 240 VAC 50/60Hz 1A; Output: 29.4V 1A; Manufactured by: GUANGDONG ABT INDUSTRIAL CO., LTD. Address: #2 Jili Rd, Pingxi Community, Pingdi, Longgang Shenzhen China 518117</p> <p>2. Model: AOI-30W294100U, Input: 100 - 240 VAC 50/60Hz 0.8A; Output: 29.4V 1A; Manufactured by: Manufactured by: DONG GUAN AOI ELECTRONIC TECHNOLOGY CO., LTD; Address: ZhangYang YinYang Industrial Zone, ZhangmutouTown, DongGuan City K Building</p> <p>3. Model: FY0422941000; Input: 100 - 240 VAC 50/60Hz 0.8A; Output: 29.4V 1A; Manufactured by: Shenzhen Fuyuandian Power Co.,Ltd. Address: 8F, Building A9, TianRui Industrial Park, 1st Fuyuan Road, Xinhe, Fuyong, Baoan, shenzhen, Guangdong, China</p>

SECTION 7: WARRANTY INFORMATION

Your SWAGTRON® Swagger 2 Folding Electric Scooter (“Product”) includes a One Year Limited Hardware Warranty (“Warranty”). The Warranty covers product defects in materials and workmanship under normal use. This Warranty is limited to residents of the United States and Canada only and is available only to original purchasers. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This Warranty starts on the date of your purchase and lasts for one year (the “Warranty Period”). The Warranty Period is not extended if the Product is repaired or replaced. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

Warranty services are provided by SWAGTRON®. If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, SWAGTRON® will: (1) repair the hardware defect by using new or refurbished parts that are equivalent to new in performance and reliability; or (2) exchange the Product with a product that is new or refurbished which is substantially equivalent to the original product. This Warranty is for one replacement only of like-items and does not cover items out of production if the product is no longer made or stocked. This Warranty is not assignable or transferable. The original purchaser may call SWAGTRON’s toll-free number at 1-844-299-0625 for service requests.

When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes SWAGTRON’s property. This warranty only covers technical hardware defectiveness during the warranty period and under normal use conditions. SWAGTRON® does not warrant uninterrupted or error-free

operation of this Product.

This Warranty does not cover any damage due to: (a) transportation; (b) storage; (c) improper use; (d) failure to follow the product instructions or to perform any preventive maintenance; (e) modifications; (f) unauthorized repair; (g) normal wear and tear; or (h) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

Important: Do not disassemble the Product. Disassembling the Product will void this Warranty. Only SWAGTRON® or a party expressly authorized by SWAGTRON® should perform service on this Product.

DISCLAIMER OF WARRANTY: THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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SWAGTRON®

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