



***gio***



# Tron

## Mobility Scooter

GIO eScooter Owners Manual - EN

[www.giomobility.com](http://www.giomobility.com)

**PLEASE INSPECT THIS GIO TRON MOBILITY SCOOTER UPON  
ARRIVAL AND REPORT ANY DAMAGES THAT MAY HAVE OCCURRED  
DURING SHIPPING**

## **SAFETY INFORMATION**

Please note the following information to ensure rider safety and get better use out of the GIO TRON Mobility Scooter. Keep this manual safe for future reference. Please read the manual prior to first use and do not permit anyone who has not, to operate the vehicle.

**⚠ NOT FOLLOWING THE SAFETY AND OPERATIONAL INSTRUCTIONS IN THIS MANUAL MAY LEAD TO DAMAGE TO THE SCOOTER AND INJURY TO THE RIDER ⚠**

This scooter is designed only for one adult only. Never exceed the max load capacity of the vehicle. 440lbs (200kg)

Take extra care when handling the batteries inside the scooter. Avoid directly touching contacts with damp hands or metal tools to prevent electrocution.

To ensure the safety and reliability of the scooter, do not modify it, and always use parts, i.e. charger, specifically designed for the GIO Tron.

**⚠ THIS VEHICLE WAS NOT MANUFACTURED PRIMARILY FOR USE ON THE PUBLIC ROADS AND THUS IS NOT A MOTOR VEHICLE SUBJECT TO THE FEDERAL MOTOR VEHICLE SAFETY, BUMPER AND THEFT PREVENTION STANDARDS OR THE EQUIPMENT ITEM IS NOT A SYSTEM, PART, OR COMPONENT OF A MOTOR VEHICLE AND THUS IS NOT AN ITEM OF MOTOR VEHICLE EQUIPMENT SUBJECT TO THE FEDERAL MOTOR VEHICLE SAFETY STANDARDS. [591.5(A)] ⚠**

# TABLE OF CONTENTS

Riding Safety	2
Overview	3
Scooter Assembly	4
Scooter & Control Diagrams	08
Operating & Adjusting	12
Maintenance & Care	16
Specifications & Troubleshooting	19
Warranty Information	21

## RIDING SAFETY

**ALWAYS** practice riding the scooter in an open area prior to driving amongst vehicle/pedestrian traffic

**ALWAYS** wear an approved helmet if required by law

**ALWAYS** accelerate slowly and steer with both hands

**ALWAYS** drive with caution at appropriate speeds

**ALWAYS** use the scooter turn signals and horn

**ALWAYS** obey local traffic law

**ALWAYS** be aware of the scooter's surroundings, pedestrians, traffic, etc

**ALWAYS** take extra care when driving in spaces shared with motor vehicles: parking lots, driveways, crosswalks etc

**ALWAYS** apply brakes while driving downhill to regulate speed

**ALWAYS** take extra care driving in wet conditions

**ALWAYS** use the lights when driving in darker conditions

**ALWAYS** wear reflective clothing while driving in darker conditions

## RIDING SAFETY continued...

**ALWAYS** adjust the seat/steering column while stationary

**ALWAYS** follow the battery/scooter care instructions

**ALWAYS** inspect the scooter prior to use

**AVOID** driving off-road or on surfaces that may lead to scooter damage

**AVOID** driving in conditions that may get the electric components wet

**AVOID** driving in conditions where the scooter or rider is not visible

**AVOID** overloading the scooter

**AVOID** inclines greater than the recommended maximum of 12°

**NEVER** drive while fatigued or while unwell

**NEVER** drive under the influence of drugs or alcohol

**NEVER** distracted driving by not using a cell phone while driving

**NEVER** use replacement parts not approved by GIO Electric

**NEVER** use a charger not included or approved by GIO Electric

## OVERVIEW

Congratulations on purchasing the GIO Electric Tron Mobility Scooter. It is an easy-to-operate mobility scooter designed for indoor and outdoor use. This stylish recreational mobility scooter doesn't require any licensing, registration or insurance.\* (*\*unless required locally*)

Inspired by motorcycle design, the Tron is packed with features from a backup claxon to generous top speeds, long driving range, rear shock suspension, a highly adjustable smart seat and more! This manual contains a wide range of general information and should be read before operating it.

# ASSEMBLY

The Tron arrives 95% assembled and is ready in a few simple steps and only requires a basic screwdriver and adjustable wrench.

## Step 1 - Unboxing

We recommend slicing the shipping box at the corners and flattening it out to gain easy access to the frame within. Next, remove the upper segments of the frame. The scooter can now either be detached from the base of the frame and moved or can remain attached to the base to hold it in place during assembly. To avoid accidental loss of small parts/components save shipping material until assembly is complete. Double-check that this GIO Tron includes the following components:

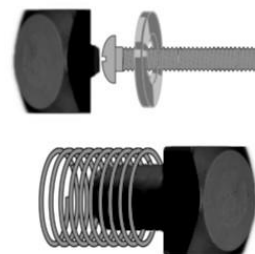
Shopping Basket



Headrest Hardware



Headrest Hardware



Charger



Charger



Keys (x2)





# ASSEMBLY continued...

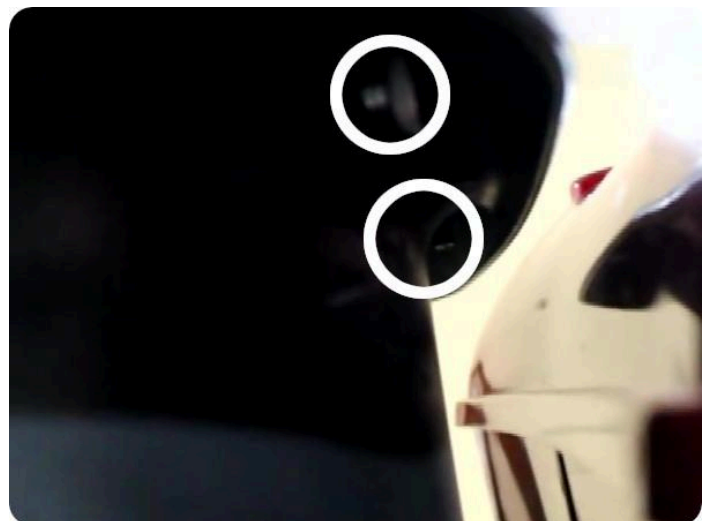
## Step 2 - Steering Column & Front Basket

Loosen the large plastic knobs on the steering column, adjust the steering column into a fully upright position, and retighten the knobs. With the steering column in place, the basket lowers into place on the front basket bracket. It is easily removed to use while shopping away from the scooter.



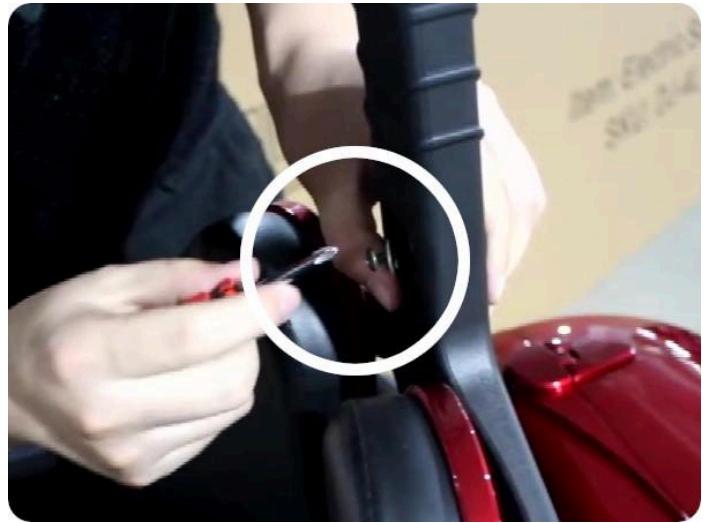
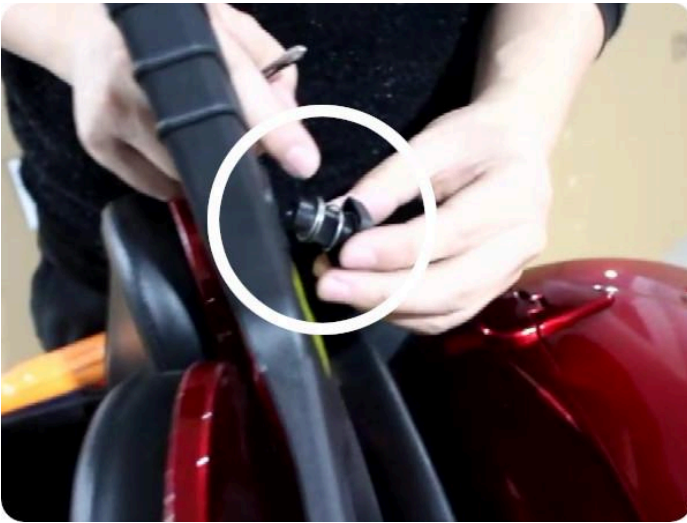
## Step 3 - Seat

Locate the 2 metal mounting knobs located on the back of the seat back and remove them. Align the bolts on the seat back with the holes in the back of the seat bucket, replace the mounting knobs and tighten them into place. Please note the holes are located just under the outside lip of the seat.



## Step 4 - Headrest

Insert the headrest into the mounting bracket on the rear of the seat. Install the quick adjust button by inserting the plastic push button, with spring slid over it, into the rear hole at the base of the mounting bracket and the bolt, with washer added, into the corresponding hole on the front of the bracket. Secure the bolt into the button with a screwdriver. Finish off the look of the headrest by placing the plastic cap over the screw head and pressing it into place.



## Step 5 - Mirrors

Twist each mirror into place until snug and tighten with a wrench if necessary.



# ASSEMBLY continued...

## Step 6 - Breaker

The breaker on the scooter ships in the off position. It must be turned on before charging or using the scooter. Open the under-seat compartment from the rear lock and locate the breaker at the front right side. Push the breaker to the on position, the scooter is now ready to charge and use.

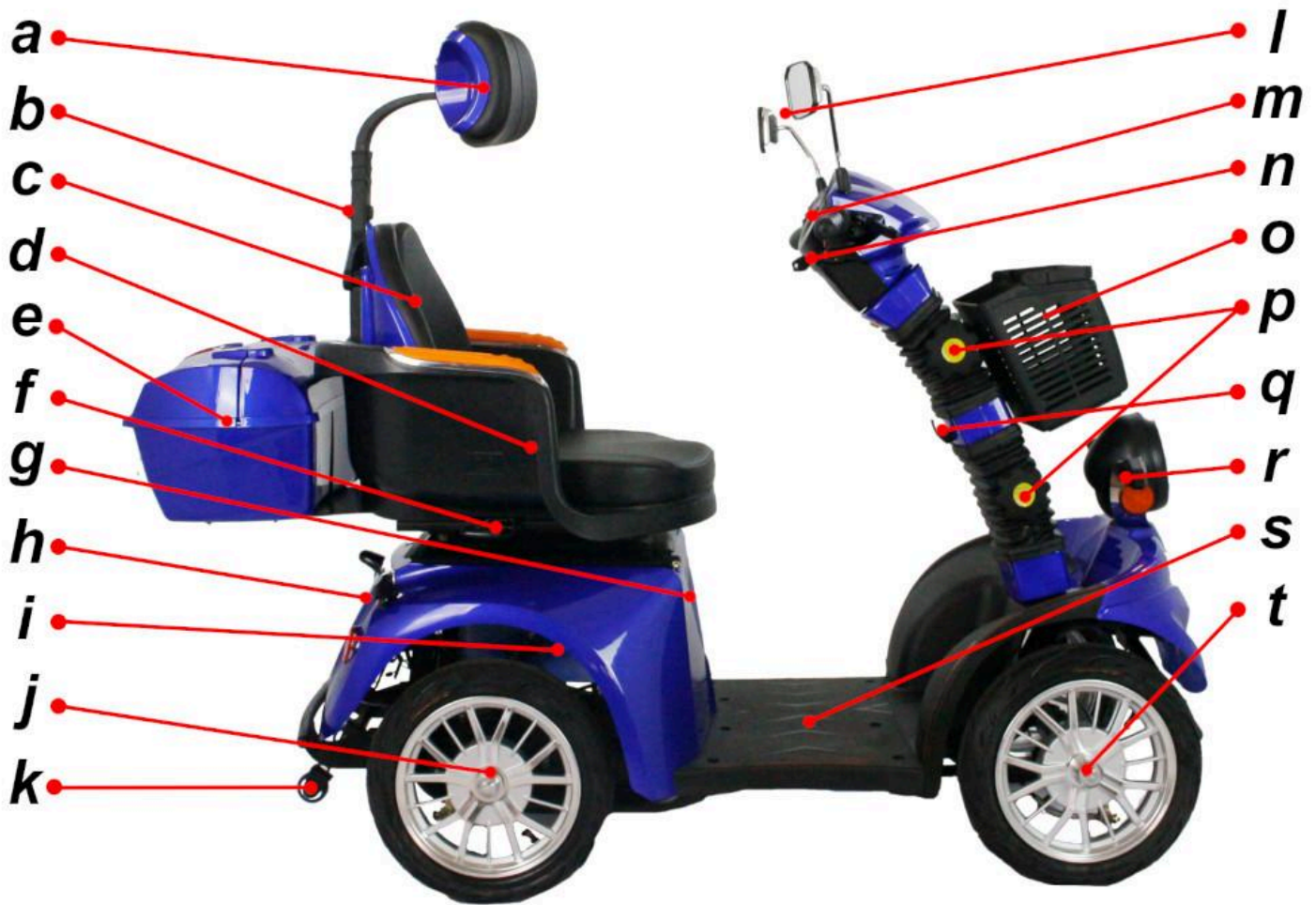


## Step 7 - First Charging

Each scooter will arrive partially charged as its battery will have slowly depleted naturally over its journey. Please ensure to fully charge the scooter before its first use, see pg 12 for complete instructions.



# SCOOTER DIAGRAM



- a Adjustable headrest
- b Headrest quick adjust button
- c Adjustable seat back
- d Swivel seat bucket w/ cushion
- e Rear storage container w/lock
- f Seat distance adjustment handle
- g Charging port
- h Rear lights & under seat latch
- i Under-seat compartment, controller & battery
- j Rear wheels & brakes, motor

- k Tip protection wheels
- l Rearview mirrors
- m Handlebars, controls, display
- n Ignition
- o Removable shopping basket
- p Steering column adjustment knobs
- q Bag hook
- r Front lights & headlight
- s Footrest
- t Front wheels & brakes

# CONTROL DIAGRAMS



- |   |                      |   |                   |
|---|----------------------|---|-------------------|
| A | High/low beam switch | G | Speed (km/hr)     |
| B | Turn signal switch   | H | Speed setting     |
| C | Horn buttons         | I | Battery level     |
| D | Lights switch        | J | Battery voltage   |
| E | Speed switch         | K | Traveled distance |
| F | Reverse button       |   |                   |



# OPERATING & ADJUSTING

## Turning the Scooter ON/OFF

To turn the scooter on, insert the key into the ignition and turn clockwise. To turn the scooter off, turn the key counterclockwise from the on position. The LCD screen should activate indicating the scooter is on.

## Driving the Scooter

The Tron features a variable twist throttle on the right handlebar. Gently twist the throttle grip inwards to slowly accelerate to the desired speed. Avoid twisting too hard or too quickly as this may result in jumps in accelerations making steering less controllable.

To slow or stop the scooter, release the throttle and squeeze both brake levels to apply both front and rear brakes. Always apply both brakes at the same time, especially when traveling at higher speeds. Please note the electric motor protection function of the scooter will prevent the motor from starting if the brakes are engaged. If the scooter is not moving check and ensure the brakes are not applied.

**⚠ Drive with care on wet/slippery/icy surfaces as it will increase the distance needed to stop, and allow extra room for braking in these conditions. When driving downhill it is recommended to release the throttle & apply brakes as needed to control the scooter's speed. ⚠**

The Tron features control switches next to the throttle grip that adjust driving features. The upper switch labeled 1-3 sets the current speed setting of the scooter. (See speeds by setting below) **Bring the scooter to a complete stop before switching between forward and reverse.**

**1:** 3.75mph (6 km/h) **2:** 7.5mph (12 km/h) **3:** 15mph (25 km/hr) switch  
Reverse: 5mph (8 km/h).

# OPERATING & ADJUSTING continued...

**⚠ ALWAYS APPLY BRAKES WHILE GOING DOWNHILL TO CONTROL SPEED AND AVOID SHARP TURNS AT HIGHER SPEEDS TO PREVENT TIPPING SIDWAYS! ⚠**

The brake handle also features a parking brake option. Once stopped, the parking brake can be applied by squeezing the brake normally and then pressing in the small parking brake lever on the brake handle. To release the parking brake simply squeeze the brake handle again. Always park on a level surface.

## Using the electric features

The scooter has several features that have controls also located on either side of the display screen. (See control diagram for locations)

Right Side Controls:

The 3-position black switch controls the scooter lights:

- ( ☀ )      All lights including the headlight ON
- (>DQ<)    Daytime signal & running lights only or
- ( ○ )      All lights OFF

The button located below the light switch, labeled with a horn, symbol activates the scooter's horn.

Left Side Controls:

The upper switch adjusts the intensity of the headlight when it is active. Low beam and high beam.

The center switch controls the turn signals by pushing it in the desired direction. Return the switch to the center position to turn turn signals off.

The lowermost of the switches is a button labeled with a horn symbol that activates the scooter's horn in addition to the horn button on the right side.

## Charging the Scooter

The scooter's battery will have naturally depleted during its journey from factory to customer and requires a full charge before its first use. To maintain the battery, charge after use and don't allow the battery to completely empty. Locate the charging port just below the front of the seat, insert the corresponding end of the charger and then plug it into a standard wall socket. The light on the charger will illuminate **red (actively charging)** while the scooter is charging and will switch to **green (standby mode)** when charging is complete. Full charge time is Approximately 8-10 hours.

Please note that the charger may become warm or emit sound during charging, this is normal. Oppositely, if it doesn't, this does not indicate a problem with the charger.

**⚠ Avoid dropping the charger and keep away from moisture & cold temperatures! The scooter will only charge and operate with the breaker in the ON position! ⚠**

## Adjusting the scooter

The “smart” seat on the Tron has several possible adjustments.

### Headrest

To adjust the height of the headrest, press the quick adjust button and shift the headrest to the desired position. Release the button and ensure the headrest is properly locked into place. Once at the desired height, the angle of the headrest cushion can be adjusted manually by turning it. The headrest also shifts in unison with the backrest to offer the rider head support when the backrest is lowered into a reclining position

The backrest of the scooter consists of 2 separate cushioned sections and vertical support. Each section automatically shifts with the pressure applied by the rider. To recline simply lean back on the seat and allow the backrest to adjust to the angle.



# OPERATING & ADJUSTING continued...

## Seat

The seat of the Tron swivels to allow the rider easy access, as well as shift forward and backward. To adjust either, **while stopped**, locate the seat adjustment handle located on the right side of the base of the seat. Engage the handle, adjust the seat to the desired position and release the handle.

## Steering Column

As part of the smart seat design, the Tron's steering column is adjustable to accommodate the 4 riding positions, seen below. Begin by loosening the steering column adjustment knobs, then carefully shift the steering column into the desired position. Once the desired position is set, tighten the adjustment knobs to set the steering column into place.



## Storage on the Scooter

Each Tron scooter comes complete with several storage options. The largest is the enclosed container on the seat located on the back of the seat which is lockable with the scooter's keys. There is a hidden storage compartment located beneath the seat, it is accessible by unlocking the latch located on the rear of the scooter below the seat. There is a bag hook located just below the LCD screen, perfect for shopping bags or a purse.

## MAINTENANCE & CARE

The GIO Tron requires minimal maintenance which can be performed by most users, a friend or family member, or a scooter technician. Visually inspect the scooter regularly for any signs of damage, especially after any collisions or accidents.

**BEFORE FIRST USE** and periodically after, check the following:

Brakes:

- Do the brakes prevent movement when they are squeezed?
- Does the power supply correctly cut out while braking?
- Is there any friction or noise when driving?

Tires:

- Are they properly inflated? (20-25 PSI)
- Are the tires in good condition?

Lights:

- Do the turn signals function properly?
- Does the headlight function properly?

Steering Handle:

- Does it turn freely?

General:

- Are there any loose parts, nuts, bolts etc?

**Any issues found should be addressed before riding the scooter!**

# MAINTENANCE & CARE continued...

⚠ To ensure the safety and reliability of the scooter, do not make modifications to it, and always use parts, specifically designed for the GIO Tron. Always make sure the scooter is turned off before performing any maintenance! ⚠

## Battery

The scooter's batteries have a lifespan of 250-300 charge cycles, this on average translates to 2-4 years with average use and proper care. *The battery in this scooter requires regular charging, even when not in use, to maintain its life.* A full charge should be performed once a month if no other charging has occurred. If storing the scooter for an extended period, ensure that it is accessible to perform the required maintenance charging. Failure to do so may result in a reduced battery lifespan. All rechargeable batteries slowly lose capacity over time resulting in a shorter range.

All batteries are affected by ambient temperature and will discharge faster at lower temperatures, decreasing scooter range. Prolonged exposure to subzero temperatures may result in damage to the battery. The speed the scooter is driven will directly affect the range and battery life of each ride. Lower speeds will provide the best range.

Ensure the battery and charger do not come in contact with water, heat, open flames or chemicals and avoid direct prolonged exposure to sunlight. Ensure the charger is placed on a flat surface to avoid it falling and is situated in a dry ventilated space. The charger is not designed for outdoor use. Ensure that it is used only when protected by proper shelter that is dry.

Avoid dropping the charger. Always disconnect by gripping plugs directly, do not tug on wires. Do not disassemble or attempt to repair a damaged battery or charger, contact GIO customer service to order replacement parts.

**⚠ Always charge the battery with the included charger, do not substitute with a different charger. For best performance, charge after use and avoid completely draining the battery by recharging it before the meter reaches zero. ⚠**

## **Tires**

The Tron is equipped with tubeless tires, these require less maintenance and are less prone to flats compared to traditional tube tires. However, damage and flats are still possible. The condition of the tires not only directly affects the ability to drive the scooter but also its general performance. Replace worn tires as necessary, please contact customer service to inquire about placing an order.

In the event, a tire is unable to hold air, check it for any cuts or punctures. In the event of a puncture the tire can be repaired at home with a basic patch kit for tubeless tires, or by a shop that repairs tires. If there is a cut or greater damage to a tire(s), replacement parts are available to order, please contact customer service.

**⚠ The tread on the tires is crucial to the scooter's handling and safety. Worn-out treads will reduce the grip between the tire and the driving surface resulting in less control and possible accidents. ⚠**

## **Lubrication**

This vehicle is designed with a differential motor for the rear axle and the gearbox needs lubrication with the gear oil. (SAE 75W-90) This should be changed every 2-3 years under normal driving conditions.

## **Cleaning**

To clean the scooter use a damp cloth with a neutral soap to wipe clean surfaces. Avoid high pressure or excess water as this may cause corrosion or shorts in electrical components.

# TROUBLESHOOTING

Issue	Possible Cause	Solution
Scooter won't move	Ignition not turned on	Turn key to ON position
	Battery not connected or empty	Check connections or charge battery
	Breaker not turned on	Turn breaker to ON position
	Brakes engaged	Release brakes or replace brake handles if defective
	Motor malfunction	Check motor connections, tighten loose connections, or replace motor
	Throttle malfunction	Check connections or replace throttle
	Controller malfunction	Check connections or replace controller
Noise coming from motor	Defective or damaged motor	Replace motor
Scooter doesn't decelerate	Throttle is defective	Replace throttle
	Controller is defective	Replace controller
Scooter slowing down	Battery issue	Charge or replace battery
	Defective throttle or controller	Replace throttle or controller
Trip distance per charge reduced	Low tire pressure	Adjust tire pressure (20-25 PSI)
	Battery issue	Charge or replace battery
	Over weight limit	Reduce scooter load
	Driving conditions (headwind, slopes)	Avoid these conditions for best performance
Uneven tire wear	Tire pressure low	Adjust tire pressure (20-25PSI)
Steering not flexible	Uneven tire pressure	Adjust tire pressure
	Wheel swing	Repair/replace shaft/axle
Brakes too loose	Brakes not properly adjusted	Adjust brakes
	Brakes worn	Replace pads
Battery not charging	Defective wall socket	Check power or use a different outlet
	Loose charger connection	Check that connections are secure
	Loose internal connection	Check connections between charger port and batteries
	Defective charger or batteries	Replace charger or battery

**The tips above are meant as a basic guide. Do not attempt to repair the scooter without proper knowledge and skill. Please contact our technical support for help with any scooter issues and possible solutions or seek the expertise of a local technician experienced in scooter repair.**



# SPECIFICATIONS

Motor:	Differential 60V 600W	Ground Clearance:	2.5" (6cm)
Battery:	60v 20ah lead acid	Seat Height:	25" (74cm) from ground*
Brakes:	Front/Rear Drum	Wheel Base:	36" (120cm)
Tires:	10 x 3.00 Tubeless Tires	Wheel Track:	24" (67cm)
Top Speed:	15mph(25km/h)	Turning Radius:	71" (180cm)
Range per Charge:	Up to 30 miles (50km)	Max Load:	440 lbs (200 kg)
Charge Time:	8-10 hours	Dry Weight:	335 lbs (125 kg)
Dimensions:	62" x 28" x 51" (157x72x130cm)	Max Incline:	12°

# WARRANTY

The following details are applicable to all scooters sold directly to customers by GIO. *If this product was purchased via an Authorized Dealer please refer to the warranty coverage provided by the dealer and contact them directly for warranty related claims or assistance.*

*When purchased directly from GIO Electric,* The limited warranty as contained herein is exclusive and in lieu of all other warranties expressed or implied. There are no warranties that extend beyond the description in this limited warranty.

GIO Electric guarantees this product, including the charger, motor, controller, to be free of manufacturing defects for a period of 12 months. All warranty periods commence from the date of shipment. Warranty coverage is non transferable.

This limited warranty does not cover normal wear and tear items/parts. (tires, brake pads, cables, etc) It does not cover product issues related to misuse, neglect, or accident. Nor any damage, failure, or loss caused by improper assembly, setup, storage, maintenance, or servicing. Modifications to this unit that result in any damages or issues will void warranty coverage.

For any request regarding warranty, spare parts or replacement devices do not hesitate to contact us by phone or e-mail. Have the original order number ready before contacting us.

**E-Mail: [support@gioelectric.zendesk.com](mailto:support@gioelectric.zendesk.com)**

**Tel: 1-855-907-4211**



***gio***

11400 Twigg Place Unit 1  
Richmond, BC, V6V-3C1  
CANADA

E-Mail: [support@gioelectric.zendesk.com](mailto:support@gioelectric.zendesk.com)

Website: [www.giomobility.com](http://www.giomobility.com)

Tel: 1-855-907-4211

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