



# ELEMENT

MOBILITY SCOOTER



## OWNERS MANUAL - EN

**PRIOR TO FIRST USE, READ THIS MANUAL COMPLETELY AND ATTENTIVELY! IMPERATIVELY FOLLOW THE SAFETY INSTRUCTIONS! NONOBSERVANCE CAN LEAD TO INJURIES! CAREFULLY KEEP THIS MANUAL!**

**PLEASE INSPECT YOUR GIO ELECTRIC ELEMENT MOBILITY SCOOTER UPON ARRIVAL AND REPORT ANY DAMAGES THAT MAY HAVE OCCURRED DURING SHIPPING**

## **ATTENTION**



This scooter is designed only for one adult only. Never exceed the max load capacity of the vehicle. 460lbs(209kg)

This scooter is designed for even surfaces with a maximum recommended incline of 12°

Before using this scooter read this manual carefully. Failure to follow the instructions herein may result in damage to the scooter or injury to the driver. Do not let anyone else operate this scooter without reading this manual prior to use.



The electronics of this scooter, especially the controller, need to be kept away from water. Avoid accidental exposure to water while cleaning the scooter.

When the battery monitor shows under the yellow level, always recharge the battery. Failure to do so may shorten the life of the battery

Avoid physical contact with the contacts of the charging socket. Shock may occur, leading to injury.

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## Driving Safety

Take time to practice and get a feel for your scooter's handling in a safe location away from pedestrians and traffic.

Inspect the scooter prior to each use

AVOID driving while fatigued or tired

AVOID driving under the influence of drugs or alcohol

AVOID distracted driving by not using a cell phone while driving

AVOID driving in conditions that may get the electric components wet

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

ALWAYS drive with caution at appropriate speeds

ALWAYS obey local traffic law

ALWAYS be aware of your surroundings, pedestrians, traffic etc

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

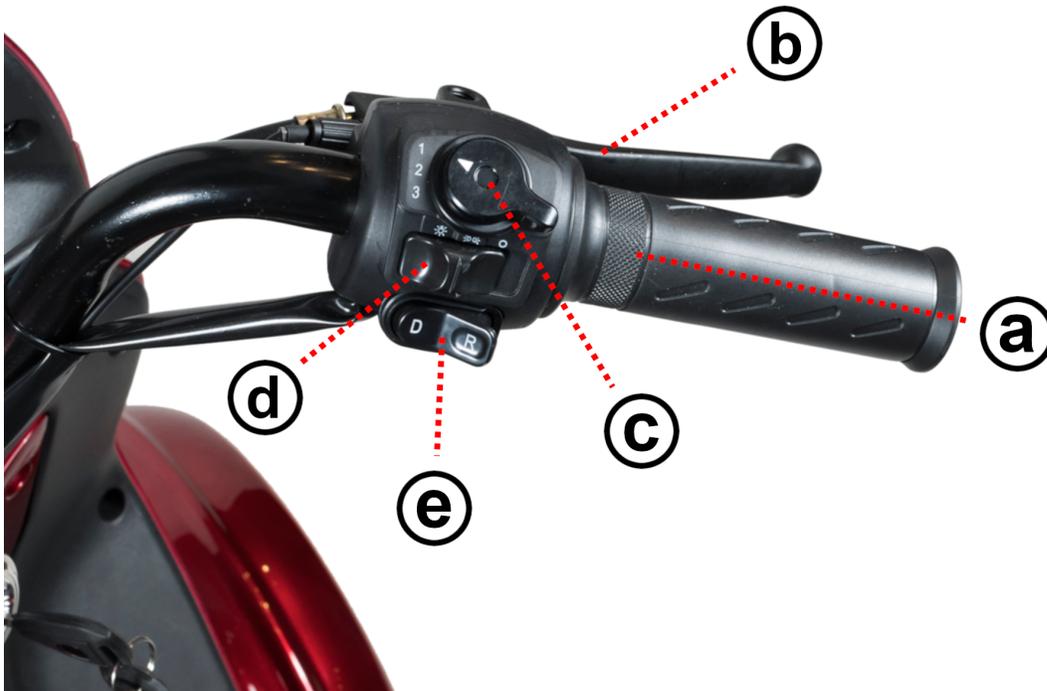
ALWAYS use your lights when driving in darker conditions

# Scooter Diagram



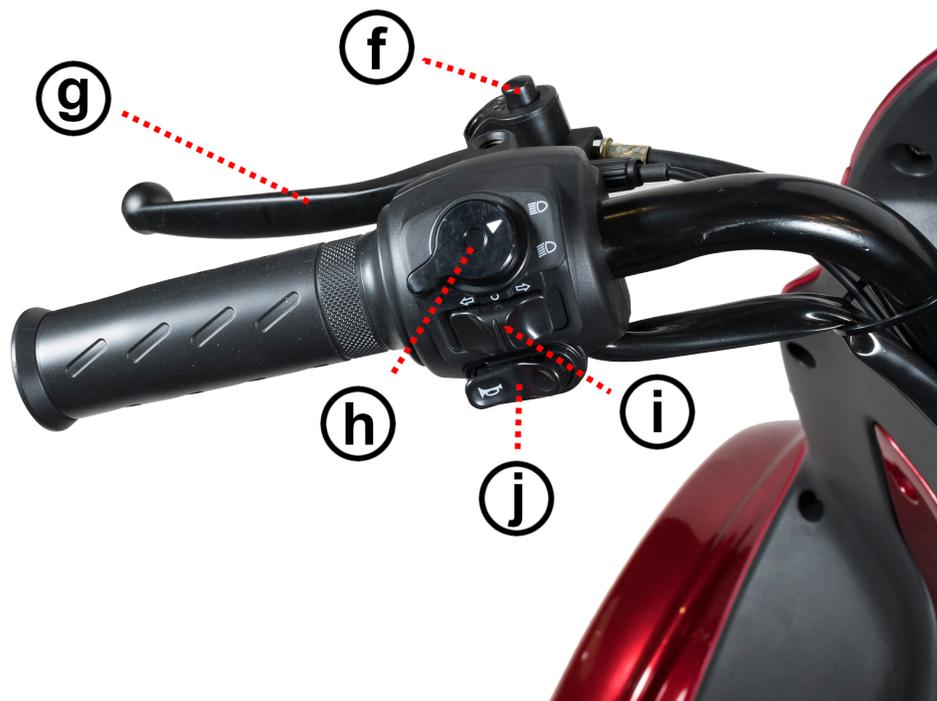
- 1) Canopy
- 2) Mirrors
- 3) Handlebars & Controls
- 4) Steering column & LCD Display
- 5) Ignition Switch
- 6) Headlight & Turnsignals
- 7) Front wheels/brakes
- 8) Front fender/mud flaps
- 9) Footrest
- 10) Seat
- 11) Storage Compartment
- 12) Rear lights/turn signals
- 13) Rear wheels/brakes
- 14) Charging port
- 15) Battery, Controller, Motor (Internal)

# Control Diagram



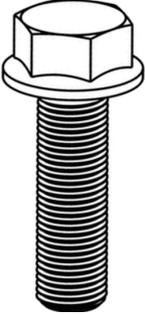
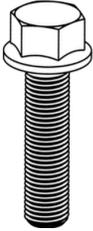
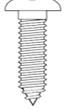
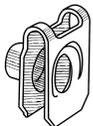
- a) Twist Throttle
- b) Rear Brake Level
- c) Speed Setting Switch
- d) Light On/Off
- e) Forward/Reverse Switch

- f) Parking Brake
- g) Front brake lever
- h) Brightness Switch
- i) Turn Signal Switch
- j) Horn Switch



# SCOOTER ASSEMBLY

## Hardware Guide

					
(a) 5.5cm M10	(b) 4cm M8	(c) 3cm M8	(d) 2.5cm M6	(e) 2cm M6	(f) 4cm M6
					
(g) 2.5cm M6	(h) 2cm M6	(i) Larger	(j) Smaller	(k)	(l)
					
(m) M10	(n) M6	(o) Large	(p) Medium	(q)	(r)
			<p><b>Please note that this visual hardware guide is for comparative reference only. It is not to scale and actual hardware may vary in appearance or size.</b></p>		
(s)	(t) Larger	(u) Smaller			

## Tool List

You will need a minimum of basics of the following:

Phillips head screwdriver

Wrenches (8mm, 10mm, 12mm, 14mm, 19mm)

Allen Wrench (5mm)

Pliers

## Hardware List

Assembly Section	Part	Size	Qty
Handlebars	Bolt	(a) 5.5cm M10	1
	Spacer	(l)	1
	Nut	(m) M10	1
Fenders & Hood	Phillips Head Bolt	(h) 2cm M6	6
	Bolt	(e) 2cm M6	2
	Bolt	(d) 2.5cm M6	1
Windshield Brackets	Bolt	(b) 4cm M8	4
	Screw	(j) Small	4
Backrest	Bolt	(c) 3cm M8	3
	Screw	(i) Bigger	6
Rear Top	Threaded clip	(t) Larger	3
	Bolt	(d) 2.5cm M6	3
	Bolt	(h) 2cm M6	2
Rooftop	Threaded clip	(u) Smaller	4
	Screw	(j) Smaller	4
Windshield	Rubber Grommet	(p) Medium	4
	Rubber Grommet	(o) Large	2
	Hex Bolt	(k)	2
	Aluminum Washer	(q) Large	2
	Bolt	(d) 2.5cm M6	3
	Rubber washer	(s) Small	3
	Metal Washer	(r) Small	3
	Nut	(n) M6	3
Mirrors	Phillips Head Bolt	(f) 4cm M6	4
	Nut	(n) M6	4
Arm Rests	Bolt	(c) 3cm M8	2
Cargo container	Bolt	(d) 2.5cm M6	5
	Nut	(n) M6	5
Steering Cover	Screw	(j) Small	2

## Assembly Instructions

Your GIO Element arrives partially assembled and requires assembly before use. For a complete assembly video from our technician checkout the following video online for the step by step process

<https://youtu.be/KeWwoIXZ1IE>

To begin assembly, remove the scooter and all pieces from the metal frame and box it arrived in. It is always best to save all packing materials until assembly is complete to ensure no component is accidentally discarded.

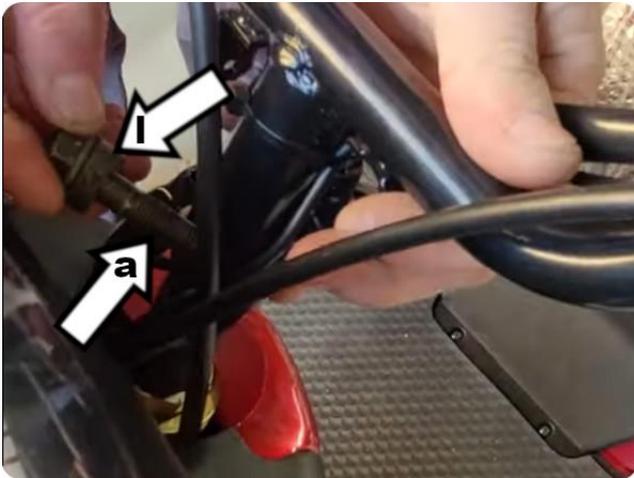
### 1) Wheels

Remove the nut and washer that comes pre installed on each of the front axles. Lift the scooter and slide on each wheel, making sure to follow the rotation markings on each wheel to ensure it is on the correct side. Replace the washer and nut and tighten until secure.



## Steering Handlebars

Insert the handlebars on top of the steering column aligning the holes. Insert the large bolt (a) and halfmoon spacer (l) from the front facing side of the handlebars and align the spacer with the cut out. Secure the corresponding nut (m) on the bolt and secure using 2 wrenches.



## Front Fenders & Hood

To install the fenders, one at a time, place each fender onto the fender bracket with the mudguard at the rear. Align the fender so the inside divot is on top of the axle nut and the 3 holes aligned with the threaded holes on the bracket.



Please make sure the cable for the integrated LED lights is on the outside of the bracket, not between the bracket and tire.



Attach each fender with bolts (h) in each of the 3 holes. Connect the connector from the fender lights to one of the 3 connectors on the front end.

To install the hood, first connect the light wire to the last remaining connector, as making this connection is a bit more cumbersome after the hood is installed. Align the hole on the front of the hood with the front bracket and insert and finger tighten the bolt. (d).

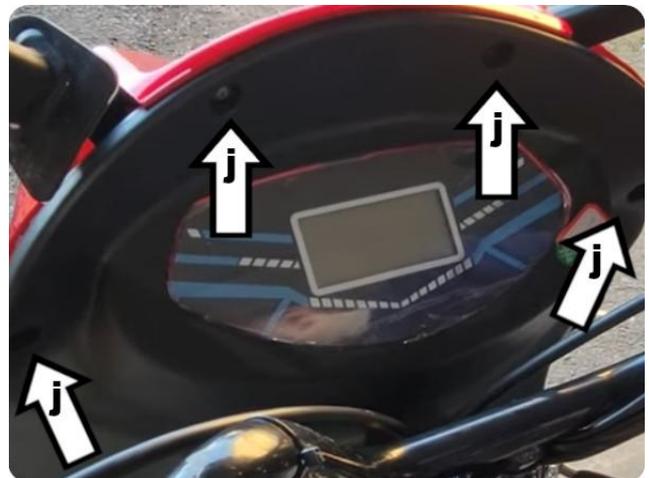


Next align the side holes on the hood with the side mounting brackets. Please note the hood may have warped during shipping, if the holes do not align *carefully* bend the hood so they do. Once aligned insert bolts (e) on each side and then tighten them and the front bolt.



### Windshield brackets

Remove the windshield bracket cover secured with packing material, and set aside. Place each bracket in the correct inward position and install with bolts (b) onto the mounts located behind the removed cover.



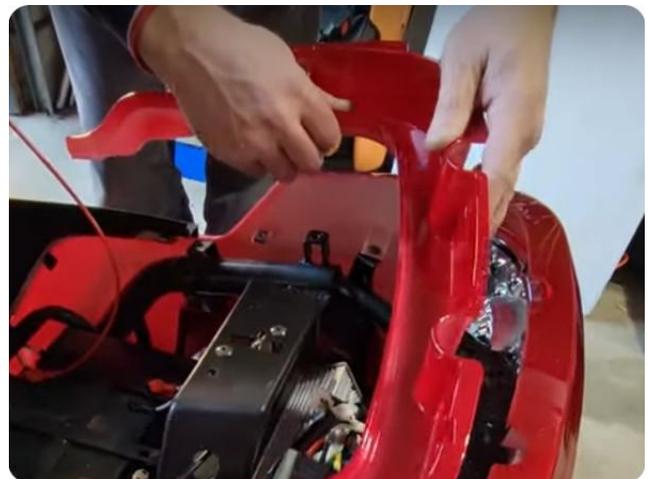
Replace the bracket cover making sure that the lower windshield mount holes align, and secure from the rear with small screws. (j) You can now push in the silicon gaskets located on the brackets into position.

## Backrest

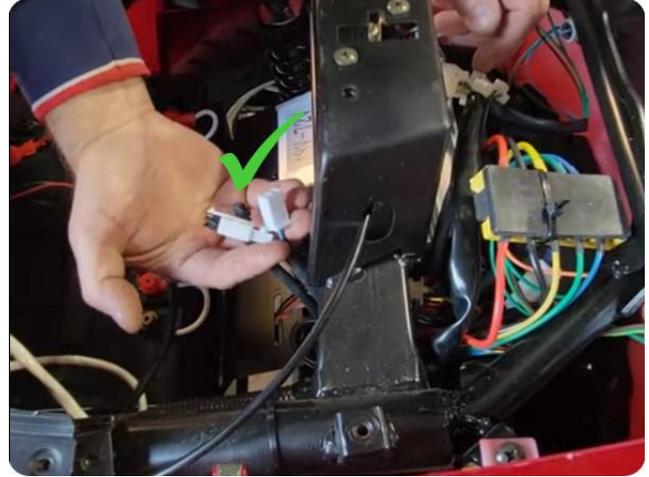
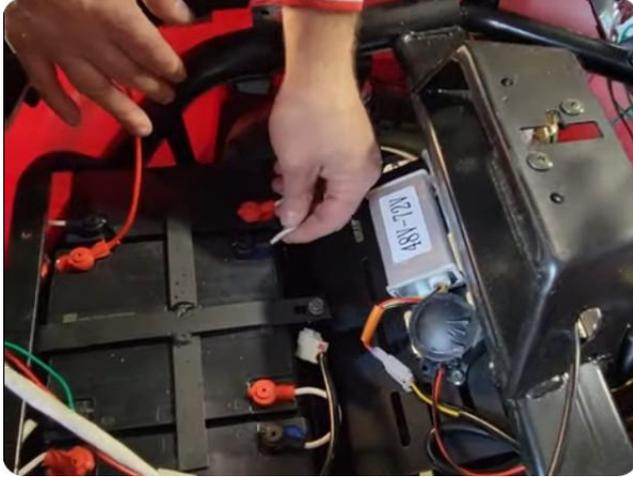
To install the support for the backrest the seat must be temporarily removed to attach the support to the frame. First open the seat compartment by inserting the key into the ignition and turning it to the left to unlatch it.



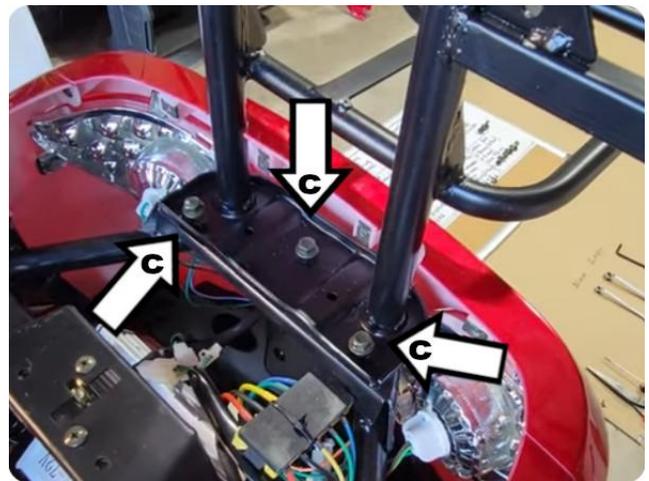
With it now unlatched you can lift the seat cushion forward and remove the 4 bolts holding the underseat tray in position. Carefully set the seat aside as it will still be attached via the cable on the seat latch. You can now access the piece of trim that also needs to be removed, remove all the screws holding it in place.



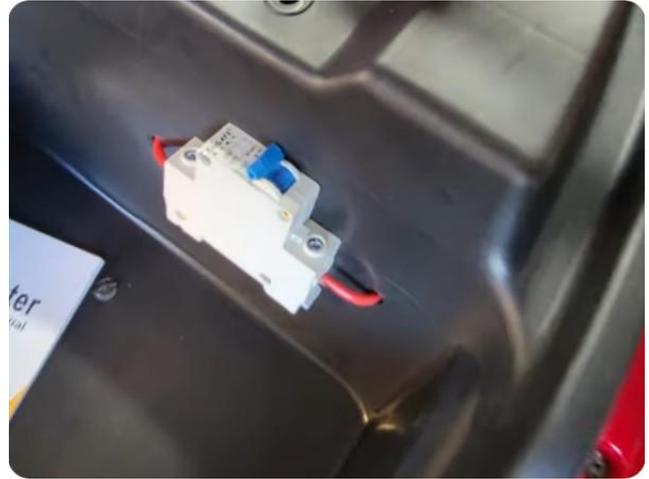
Now is also a perfect time to double check that all the electrical connections on your scooter are secure. Reconnect any separated connection or tighten any loose ones. Please note there will be extra connections on the controller, not used in the function of your scooter.



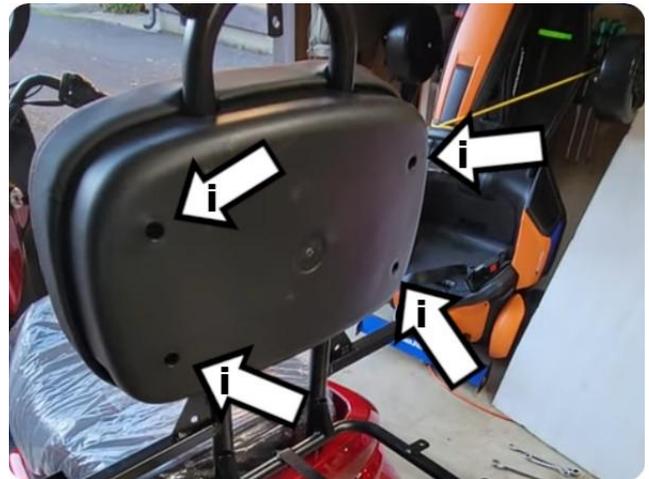
With the trim removed align the holes on the backrest support with those on the frame and secure into place with bolts (c). Replace the trim, making sure it is tucked under the main body(it will not line up correctly otherwise) and replace the screws holding it in place.



Replace the seat and secure it back into place with the bolts removed early from the seat tray. At this point check the connections on the breaker, tightening if necessary, and turn the breaker to the on position, it will now charge or work otherwise.



To complete the backrest the seat cushion and cushion back panel have to be installed. First attach the back panel by aligning the holes on the panel with those on the support and screwing (i) into place. Next align the cushion into place and screw (i) into place through the back panel.



## Rear Top

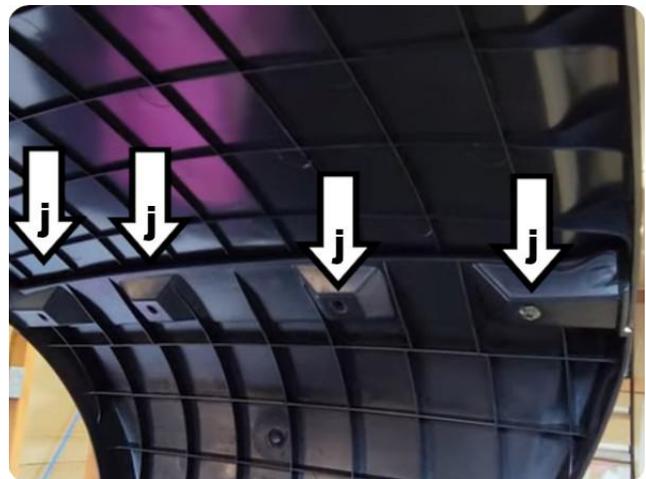
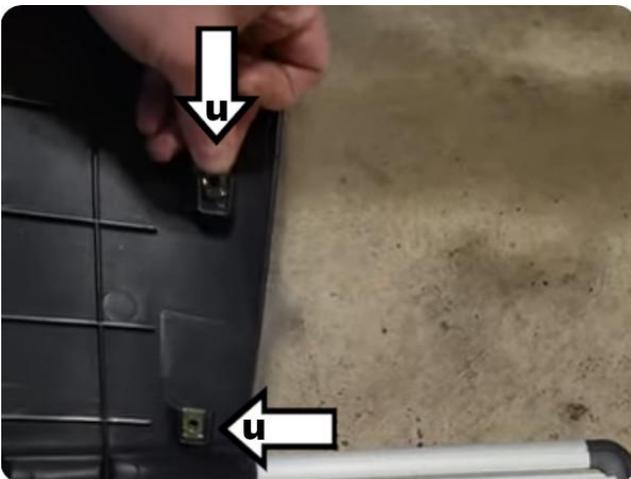
The first piece of the attached canopy is the rear top section which is attached to the top of the backrest support. To start, insert the larger threaded clips (t) into the slots on the rear top piece. Align the now threaded holes with those on backrest support and bolt into place. (d)

To complete this finish on the rear top install the cover over the mounting connections just installed with bolts(h). (Not pictured)



## Rooftop

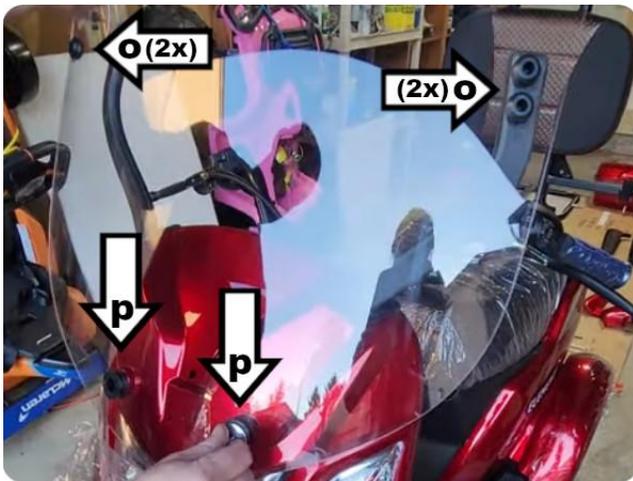
The rooftop is the next section installed for the scooter's canopy and attaches to the previously installed rear top. Insert the smaller clips (u) into the corresponding slots on the rooftop, align the now threaded holes with the ones on the rear top section and screw (j) into place.



Please note a second person helping to hold this piece into place while fastening hardware may be required.

## Windscreen (Part 1)

The windscreen is the last section of the attached canopy. It attaches first to the front of the scooter and then to the rooftop. First locate and install 2 large rubber grommets (p) into the lower holes and 4 (o) medium rubber grommets into the upper holes. These grommets just press into place, a screwdriver may be required to push them in completely.



Secure the windscreen to the 2 mounts below the windshield brackets with the shiny aluminum washers (q) and hex bolts (k) .



## Mirrors

The mirrors for your scooter both attach to the windshield brackets and secure your windshield into place.

Start and place the rubber mirror base grommets on the back of each mirror. Align the holes of each mirror with the grommet holes on the windshield and the ones on the windshield bracket.

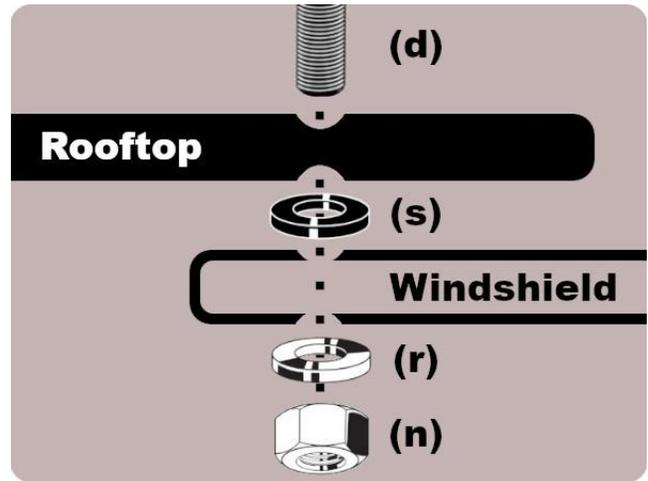


Secure the mirrors into place with the bolts (f) on the outside, and the nuts (n) on the inside.



## Windscreen (Part 2)

It is now time to connect the windshield to the rooftop, completing the canopy. First align the holes of the roof top over top of the holes on the windshield. Then secure each mounting point with a bolt (d) passing through the following layers and hardware in order; rooftop, small rubber washer (s), windshield, small metal washer (r), nut (n). Because the layers are both plastic, *carefully* tighten all hardware.



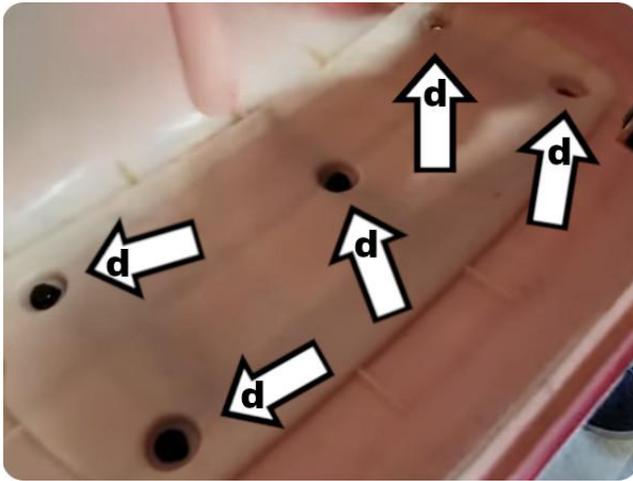
## Arm Rests

Insert each arm rest into the corresponding bracket on the backrest support and secure it with bolts (c).



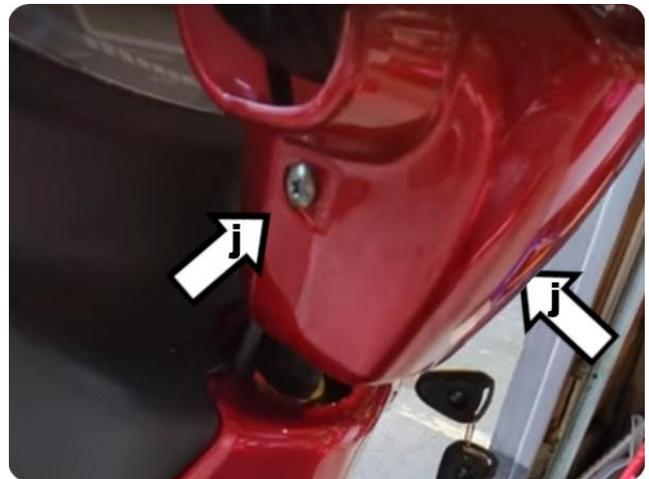
## Cargo Container

Place the storage container on the mounting plate located on the rear of the backrest support. Align the holes on the container with those on the mounting plate and secure with nuts (n) and bolts (d).



## Steering Cover

Carefully align the 2 halves of the steering handle cover, making sure all wires pass through wire opening. Slot the 2 halves into place, align the holes on the cover with threaded holes on the steering handle and screw (j) into place on both sides.



**Your GIO Element should now be fully assembled. The Element does not arrive fully charged. Please charge before your first use.**

# Operating Your Scooter

## Turning your Scooter ON/OFF

To turn the scooter on, insert the key and turn clockwise. To turn your scooter off, turn the key counterclockwise from the on position.

## Driving your Scooter

The Element features a variable twist throttle on the right handlebar. (See control diagram) Gently twist the throttle grip 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 your 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 braking function of your scooter will prevent the motor from starting if the brakes are applied.

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

Your scooter features control switches next to the throttle grip that adjust driving features. (See control diagram) The top switch labeled 1-3 sets the current speed setting of the scooter. The lowest switch marked with D & R, controls the direction of motion for your scooter. **Bring your scooter to a complete stop before switching between forward and reverse.** (D for Drive to go forward and R for Reverse to move backwards)

The brake lever also features a parking brake option. Once stopped you can apply the parking brake by squeezing the brake normally and then pressing in the parking brake button. (See control diagram) To release the parking brake simply squeeze the brake lever again. Always attempt to park on a level surface if possible.

## **Using the electric features of you Scooter**

The Element has several features that have controls also located on the handlebars. On the right handlebar, the center toggle switch can be set to all lights ON ( ☀ ) including headlight, daytime running lights only (>DQ<) or lights OFF ( ○ ). When that switch is set to ON ( ☀ ) the headlight brightness can be switched between low beam and high beam with the top switch on the left handlebar. (See control diagram).

Your scooter has turn signals located on both the front and the rear. The center switch on the left handlebar controls the turn signals by pressing it in the desired turning direction.

Located just below the turn signal switch on the left handlebar is the button to activate your scooter's horn.

Your scooter is also equipped with an LCD display located on the top of the steering column. This display shows your battery level along the bottom, your current speed and odometer in the center and the current setting for your speed and headlights on the sides. Please note at this time the GIO Element only displays speed and distance in kilometers.

## **Charging your Scooter**

Your scooter does not come fully charged and requires a full charge before your first use. To maintain the batteries life charge after use and don't allow the battery to empty completely.

Locate the charging port just below the front of the seat, insert the corresponding end of your charger and then plug into a standard wall socket. The light on the charger will illuminate **red** while your scooter is charging and will switch to **green** when charging is complete.

(Approximately 8-10 hours)

**Avoid dropping your charger and keep away from moisture & cold temperatures.** Please note that your charger may become warm or emit sound during charging, this is normal. Oppositely if it doesn't, this does not indicate a problem with your charger.

## **Storage on your Scooter**

Your scooter comes complete with several storage options. The largest being the storage container located on the back of the seat. This enclosed compartment features a lock and can be opened with the included key. There is a bag hook located just below the LCD screen, perfect for shopping bags or a purse. There is also a hidden glove box located beneath the seat. This small compartment, perfect for a wallet, cell phone, or of course gloves, can be accessed by inserting the key into the ignition switch and turning counterclockwise until the latch securing the rear of the seat releases, allowing the seat to tip up revealing the glove box.

## **Maintenance and Care**

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



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

Always make sure your scooter is turned off before performing any maintenance!

## Battery



Always charge your 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.

The battery in your scooter requires regular charging, even when not in use, to maintain its life. This maintenance charge should be performed at least once a month if no other charging has occurred. If storing the scooter for an extended period of time, such as during winter, ensure that it is accessible to perform the required maintenance charging.

All batteries are affected by environmental temperature. The battery will discharge faster at lower temperatures, resulting in a shorter trip time. Prolonged exposure to subzero temperatures may result in damage to the battery.

## Tires

The Element 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 your tires not only directly affects the ability to drive your scooter but also its general performance.



Check the tires before each ride and adjust the tire pressure accordingly. (15-20PSI)

In the event your 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. In the event that there is a cut or greater damage to your tire(s) replacement parts are available to order, please contact customer service.



The tread on the tires is crucial to its handling and safety. Worn out treads will reduce the grip between the tire and the driving surface resulting in less control. Replace worn tires as necessary, please contact customer service to inquire about placing an order.

## Cleaning

To clean your 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.

# Specifications & Troubleshooting

## Specifications

Motor:	Differential 60v 600w	Dimensions:	72"x32"x67" (180x80x167cm)
Battery:	60v 20ah lead acid	Ground Clearance:	4¾" (12cm)
Controller:	15G60V	Seat Height:	18" (45cm) <small>from footboard*</small>
Brakes:	Drum Front/Back	Wheel Base:	53" (132cm)
Tires:	<b>F3.50-10 R3.00-10</b> <small>Tubeless</small>	Wheel Track:	27" (67cm)
Top Speed:	15mph(25km/h)	Max Load:	460lbs (209kgs)
Range per Charge:	Up to 30miles (50km)	Dry Weight:	275lbs (125kgs)
Charge Time:	8-10 hours	Max Incline:	12°

## Troubleshooting

<b>Issue</b>	<b>Possible Cause</b>	<b>Solution</b>
Battery gauge doesn't register anything when, scooter is ON	Loose connection near the power switch or battery pack.	Check connections, tighten loose connections
	Battery is completely discharged.	Charge battery
Scooter turns ON and has battery charge but doesn't work	Motor wire is loose or disconnected	Check connections near the motor, tighten loose connections
	Throttle is defective	Replace throttle
	Controller is defective	Replace controller
Noise coming from motor	Defective or damaged motor	Replace motor
Scooter doesn't decelerate when throttle released	Throttle is defective	Replace throttle
	Controller is defective	Replace controller
Scooter slowing down	Low battery	Charge battery
	Defective battery	Replace battery
	Defective throttle	Replace throttle
Trip distance per charge reduced	Low tire pressure	Adjust tire pressure (15-20PSI)
	Low battery	Charge battery
	Defective battery	Replace battery
	Over weight limit	Reduce scooter load
	Driving conditions (headwind, slopes)	Avoid these conditions for best performance
Battery not charging	Defective wall socket	Check power or use a different outlet
	Loose external connection	Check that charger is securely plugged into wall socket and charging socket on the scooter
	Loose internal connection	Check connections near the battery and charging socket, tighten loose connections
	Defective charger	Replace charger
	Defective battery	Replace 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.**

# Warranty

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 charger, motor, controller, to be free of manufacturing defects for a period of 12 months. All warranty periods commence from the date of shipment.

This limited warranty does not cover normal wear and tear items/parts. (tires, brake pads, cables, etc) It does not cover the product issues due to misuse, neglect, or accident. Nor any damage, failure, or loss caused by improper assembly, set up, storage, maintenance, or improper servicing.

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

**E-Mail: [support@gioelectric.zendesk.com](mailto:support@gioelectric.zendesk.com) - Tel: 1-855-907-4211**



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