

USER MANUAL





The mobility scooter that keeps on giving...

Heated Seat as standard



Learn more about your Ignite Grande today...

Contents

Contents	4
1 Welcome	6
2 Legal	7
3 Safety	8
3.1 Anti-Tip Wheels	8
3.2 Safe Inclines	9
4 Introduction	10
5 Your Ignite	11
5.1 Intended Use	11
5.2 Unintentional Movement	12
6 Digital Tiller Guide	13
7 Operating Your Ignite	14
7.1 Keys & Fobs	14
7.2 Seat Adjustments	15
7.3 Tiller Adjustments	17
7.4 Steering	18
7.5 Acceleration & Braking	19
7.5.1 Speed Controls	19
7.5.2 Freewheel Function	20
7.5.3 Reversing	21
7.6 Starting the Ignite	22
7.7 Digital LCD Display	23
7.7.1 Odometer	24
7.7.2 Setting the Clock	24
7.8 Indicators	25
7.9 Hazard Lights	26
7.10 Horn	26
7.11 USB Charging Ports	27
7.12 Cup Holder	28
7.13 Charge Port	29
8 Heated Seat	30
9 Maintenance	31
9.1 Replacing Bulbs	31
9.2 Battery Care	31
9.3 Fuses	32

9.4	Tyre Pressures.....	33	11.2	Sizes & Weights.....	37
9.5	Cleaning & Maintenance.....	34	12	Servicing.....	38
9.5.1	Rubber Mats.....	34	13	Notes.....	42
9.5.2	Paintwork.....	34			
10	Warranty.....	35			
11	Specifications.....	36			
11.1	Technical Specification.....	36			

1 Welcome

Congratulations on purchasing your Scooterpac Ignite Grande, the mobility scooter that just keeps on giving. With regular maintenance and proper operation your Ignite Grande will give you many years and countless miles of rewarding experiences. This manual contains the information that you and your authorised Scooterpac dealer will need to keep your Ignite in good working order.

If you have any questions, please contact the Scooterpac dealer that supplied your Ignite and they will be happy to help you.

Please fully charge your scooter, at least once a week to maintain battery life & maximise performance. Even when the scooter isn't in use.

This Ignite Grande was originally supplied by:

Dealer Name _____

Address 1 _____

Address 2 _____

Town/City _____

Postcode _____

Phone Number _____

E-mail Address _____

Website _____

2 Legal

The Scooterpac Ignite Grande is designed to be operated by a single person, in accordance with the legal requirements for operating a Class 3 invalid carriage in the jurisdiction in which it was sold. Operating the vehicle outside of these limitations may invalidate your warranty.

3 Safety

The Ignite Grande should only be operated by a single person, who is not suffering from any condition which impairs vision, hearing, eyesight or the ability to react to sudden changes in surroundings. If you suffer from any of the above, it is recommended that you seek advice from your doctor before operating the Ignite.

- Only drive over obstacles and up kerbs at the lowest point and at right angles.
- Sudden turns or sudden changes in speed are not recommended.
- Avoid steep surfaces if there is a risk of skidding due to icy or wet surfaces.
- Avoid going over loose surfaces such as gravel.
- Always tackle gradients straight i.e. do not drive in zigzags.
- Do not turn the Ignite around on inclined surfaces.
- Do not drive the Ignite down steps.
- Always drive forwards down gradients, kerbs and other obstacles.

3.1 Anti-Tip Wheels

The Ignite Grande is fitted with rear anti-tip wheels. These are an emergency failsafe that should never be relied upon in normal operation. These are designed to stop the Ignite Grande tipping backwards on a steep incline. Should you see any damage to the wheels, you should cease using the scooter and take it to a certified mechanic who can ensure that the chassis has not been damaged.

3.2 Safe Inclines

The Ignite Grande can climb inclines of up to 12° without danger. On this 12° incline, the Ignite Grande can stop, brake and turn. It is possible to attempt steeper inclines, but we strongly suggest that you do not. To reduce the possibility of tipping backwards on inclines, lessen the load on the back of the scooter by sliding the seat forward as much as possible and leaning forward.



Figure 1 – Recommended gradients

4 Introduction

Your Ignite Grande is a high-tech piece of mobility equipment that will give you years of faithful service and enjoyment. This manual introduces you to the operation, maintenance and care of your Ignite. If you have any questions, or are unsure of anything, please contact the dealer your originally purchased the Ignite from. All maintenance work should be carried out either by an authorised Scooterpac dealer or by a certified mechanic.

5 Your Ignite

5.1 Intended Use

The Ignite Grande is designed for use on smooth pavement or roadway, in accordance with local laws. The Ignite can be used in wet and windy weather, but discretion should be used when planning a journey in adverse weather conditions. If there is more than 1cm of water standing on the pavement, extra care should be taken as the scooter may have reduced ability to grip and steer. Under no circumstances should more than one person operate the vehicle at one time.

5.2 Unintentional Movement

Before entering, the Ignite Grande should always be stationary. When the Ignite Grande is switched on, it will remain stationary until one of the following:

1. The forward or reverse lever is pulled.
2. The freewheel function is engaged.

Do not attempt to operate from outside the vehicle.

If the vehicle is moving an emergency stop can be performed by releasing the throttle levers and firmly pulling the hand-operated brake lever on the right-hand side of the tiller.

6 Digital Tiller Guide

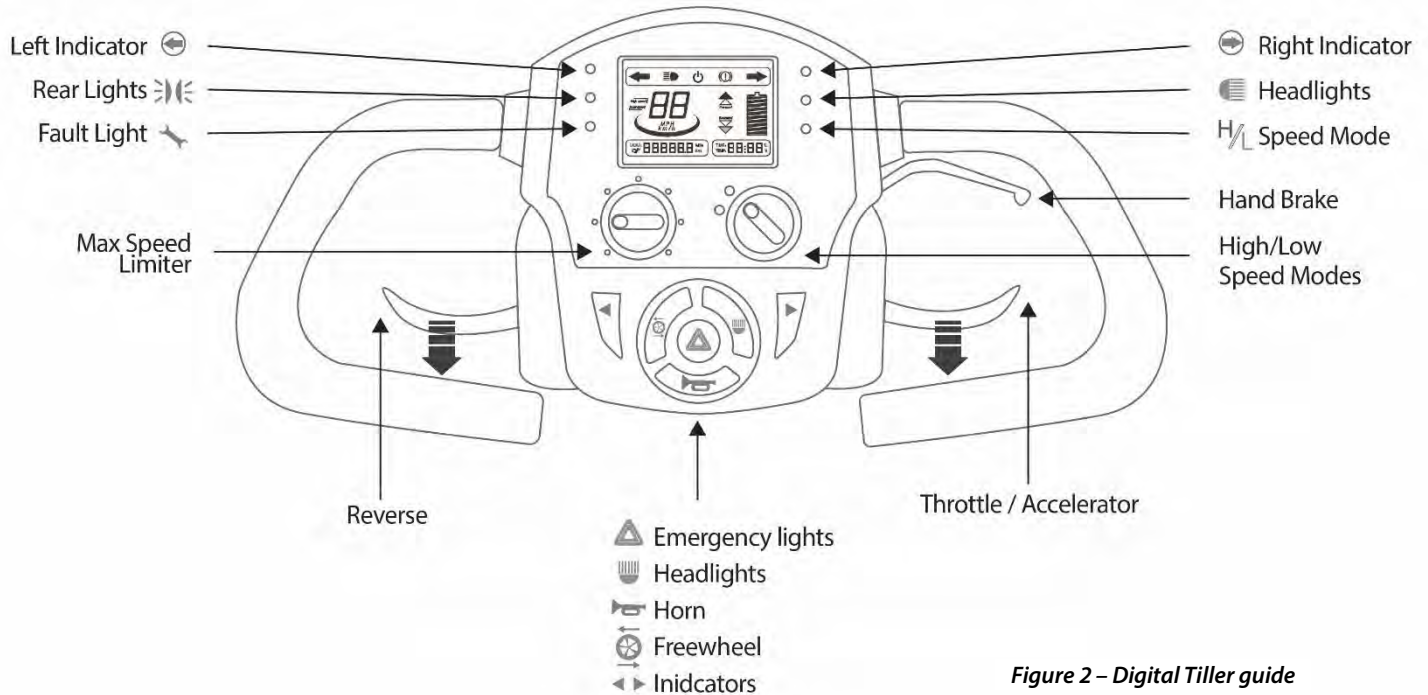


Figure 2 – Digital Tiller guide

7 Operating Your Ignite

7.1 Keys & Fobs

The Ignite Grande is delivered with several keys which operate various functions:



**Ignition
Keys
x2**



**Lockable Box
Keys
X2**

7.2 Seat Adjustments

It is important to adjust the seat into a good position that allows you to comfortably operate all the vehicle controls.

Forward/Backwards

To move the seat forwards or backwards, grasp the black lever on the right-hand side underneath the seat whilst sitting down.

Push firmly against the floor with your feet or pull on the handles mounted to the doors.

TOP TIP – Do not use the control tiller to push or pull yourself up.

Backrest Adjustment

The pitch of the seat can be changed by the lifting lever located on the right-hand side of the seat when seated.



Figure 3 – Pull black handle to adjust the seating position



Figure 4 – Pull black handle to adjust the backrest

Swivel Adjustment

To enable easy access, the seat can be swivelled on a 90 degrees angle.

To change the angle of the seat, sit on the seat, pull the swivel handle towards the front of the scooter and turn the seat anti-clockwise.



Figure 5 – Seat, side positioned



Figure 6 – Pull black handle to adjust the backrest

7.3 Tiller Adjustments

The angle of the tiller can be adjusted by pressing the lever down on the front of the tiller.

The entire tiller assembly can then pitch forwards and backwards to find a comfortable driving position. Release the lever to secure your preferred position.

Be aware that lowering the tiller too far may make it difficult to steer.

Try to find a position that allows a good view of the digital control panel and allows full left and right movement of the steering.

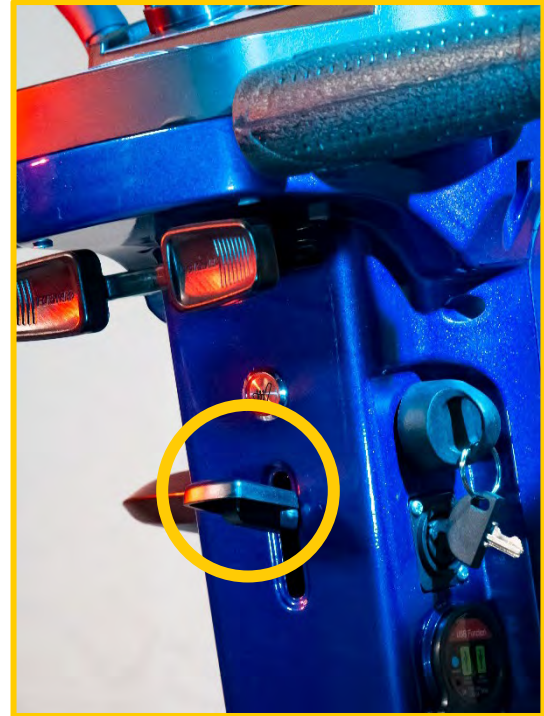


Figure 7 – Press the black handle down to adjust tiller pitch

7.4 Steering

The Ignite Grande is fitted with a mechanical steering column that ideally should be operated with both hands. When the Ignite is stationary the steering may feel a little heavy or stiff. Steering will become lighter whilst the vehicle is in motion.

For the most accurate steering the Ignite Grande should be moving forwards or backwards at a controllable speed. Gently push one side of the tiller away from you, allowing the Ignite to begin turning. Make sure that you are continually observing your surroundings during any manoeuvre.

7.5 Acceleration & Braking

7.5.1 Speed Controls

The Ignite Grande has several methods for controlling speed; the High and Low Speed Modes, the Max Speed Limiter and the Throttle Levers.

7.5.1.1 High and Low Speed Modes

The high (“H”) and low (“L”) speed modes are controlled by the right-hand dial on the tiller. The two settings place the scooter in either a 4mph or 8mph mode. These modes correspond to the “pavement” and “road” speeds that are determined by the UK government. “H” setting is 8mph and for road use only. “L” setting is for 4mph and for pavement use only.

When using the pavement in the UK, the 4mph mode should be engaged to prevent the Ignite from moving too fast. On the road the 8mph setting should be engaged.

7.5.1.2 Max Speed Limiter

The left-hand dial controls the speed at which you would like the scooter to travel or matching your speed to someone walking. This function is particularly useful when operating the scooter in tight areas.

Turn the dial clockwise to go faster and counterclockwise to move slowly.



Figure 8 – H/L Speed Mode Control

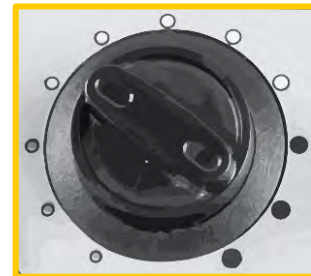


Figure 9 – Max Speed Limiter

7.5.1.3 Throttle Levers

Acceleration and deceleration are controlled by the red and green levers on the tiller. They are designed to prevent both the forward and reverse functions from being activated at the same time.

To move forward, gently squeeze the green lever. The Ignite will accelerate up to the maximum allowable speed set by the speed controls. To slow down or stop, release the accelerator and the scooter will stop. In an emergency the handbrake can be applied by pulling the brake handle located on the right of the handlebars.

Reverse mode can be activated by pulling the red lever when the scooter is stationary. For more information on reverse mode please see 7.6.3 Reversing.

7.5.2 Freewheel Function

You may need to move the Ignite without engaging the motor. This can be achieved by pressing and holding the “Freewheel” button. The scooter must be switched on, with keys in the ignition and power to the main display.

Press and hold the button marked with this symbol:



Release the button to re-engage the brakes:

For your own safety, only operate this function when on a flat surface. When in freewheel mode care must be taken to manoeuvre the scooter safely as there is no brake function.

TOP TIP – The mobility scooter will continue to roll if pushed.

7.5.3 Reversing

To engage reverse mode, ensure that the Ignite is stationary and on even ground. Before moving, check that the area is clear of obstructions and your planned path is of adequate size.

Gently squeeze the red lever, and the Ignite will begin to slowly move backwards.

7.6 Starting the Ignite

The Ignite Grande will start once the Ignition Key is inserted into the housing on the tiller and turned clockwise (figure 10).

The Ignite Grande is powered on and ready to be used when the digital dashboard displays visual data (figure 11).

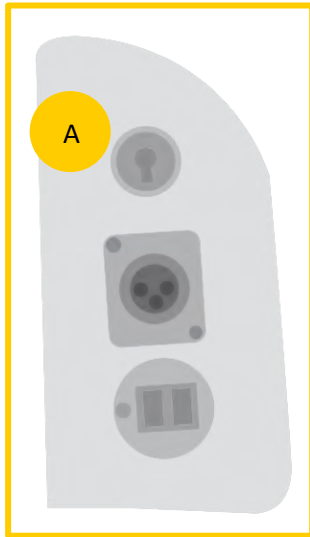


Figure 10 – Tiller mounted key slot

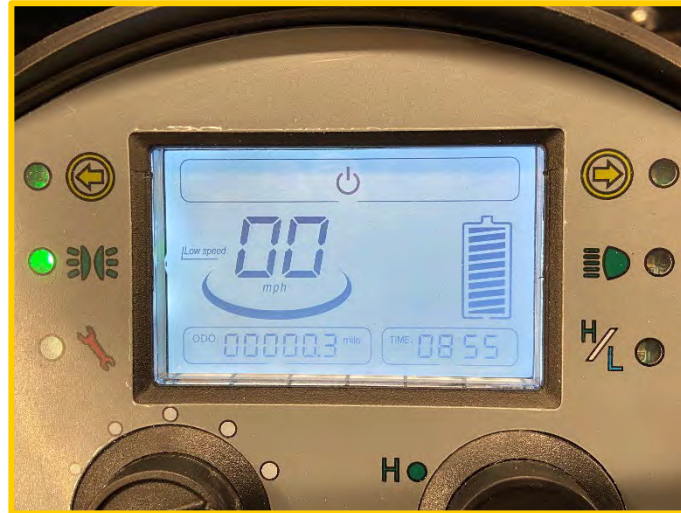


Figure 11 – Digital dashboard displaying data

7.7 Digital LCD Display

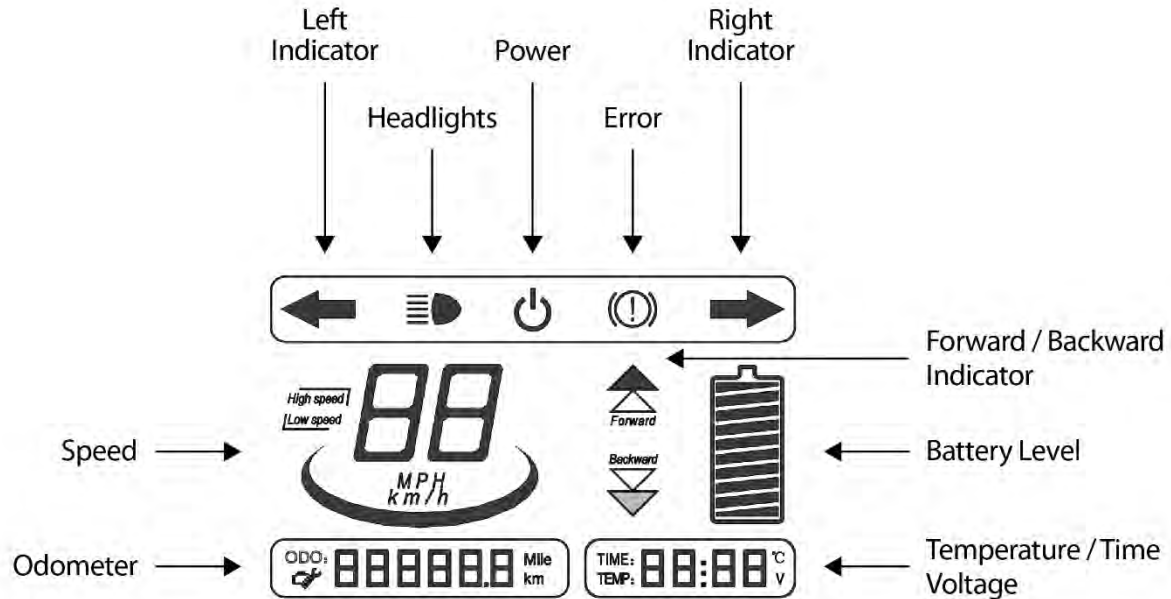









Figure 12 – Digital LCD Display

7.7.1 Odometer

The displayed miles/kilometres on the Digital LCD Display are cumulative and represent the total distance the Ignite has travelled.



7.7.2 Setting the Clock

To set the clock follow the below instructions:


1. Press and hold the headlight button  for five seconds
2. The clock on the display will start to flash
3. Use the indicator buttons   to adjust the hours
4. To confirm/set the hours, press the headlight button 
5. Use the indicator buttons   to adjust the minutes
6. To confirm/set the minutes, press the headlight button  for five seconds.
7. The clock will now be set.

7.8 Indicators

The indicators are bright LEDs used for easy visibility, in an orange colour.

To switch them on press the  button once before initiating a manoeuvre. Once the turn is complete and it is safe to do so, press the  again to turn off the indicator.

7.9 Hazard Lights

In an emergency both indicators can be engaged at once, by pressing the  button. This will leave both indicators flashing front and rear, until the button is pressed again.

7.10 Horn

The electric horn is activated by pressing the  button on the tiller top. The horn should only be used in compliance with the Highway Code. The horn will only sound if the ignition is switched on.

7.11 USB Charging Ports

The Ignite Grande is equipped with USB Charging Ports on the right-hand side of the tiller column.

The two USB ports provide different power outputs. **USB Port 1** is located next to the LED light and **USB Port 2** can be found on right hand side.

Smaller devices will perform best in the left port (**Port 1**), while newer devices will work better in the right port (**Port 2**).

The power available from each port:

- **USB Port 1:** 5v – 0.5amp
Suitable for older devices manufactured prior to 2015.
- **USB Port 2:** 5v – 2.0amp
Suitable for newer devices, manufactured after 2015 – this will provide a higher charging rate.

TOP TIP – If unsure, please check the user manual of the device you would like to power to confirm required charging rate.

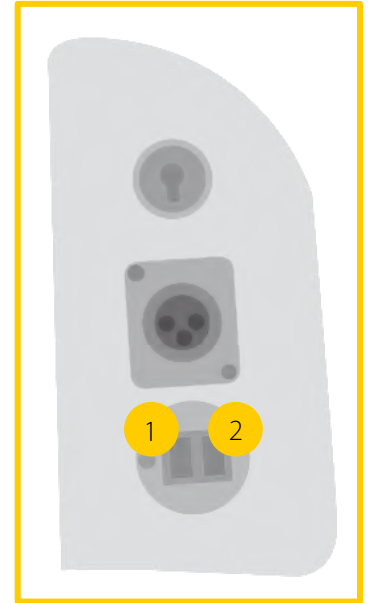


Figure 13 – USB charge ports

7.12 Cup Holder

For your convenience, the Ignite is fitted with a bottle/cup holder. It can be opened by pulling down on the upper ring. The lower ring will follow.

TOP TIP – The cup holder should not be used to store alcoholic beverages.



Figure 14 – Tiller mounted cup holder

7.13 Charge Port

Charging the Ignite Grande can be completed by using the charge port on the tiller.

The port is located on the tiller column on the right-hand side. To charge the vehicle, simply connect the supplied charge cable to the port.

When the Ignite Grande is in charge mode it will not enter drive mode.

TOP TIP – For best practice, please ensure to charge your batteries after each use. You cannot overcharge them as your charger will automatically cut-off when it detects they are full.

If there are long periods where you decide not to use your scooter, we recommend that batteries are charged at least once a week.

This will ensure they remain healthy and are ready for regular usage.

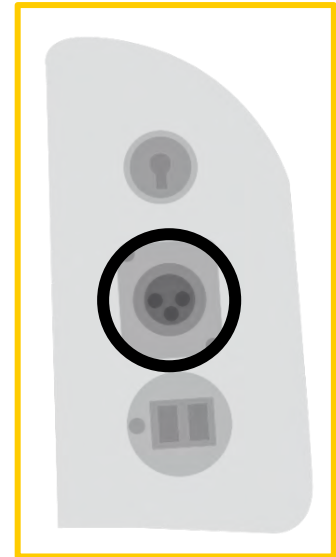


Figure 15 – Tiller mounted charge port

8 Heated Seat

To activate the Heated Seat function, use the Heated Seat button located between the throttle thumb controls and the tiller adjustment lever.

Off



On



When the heated seat icon button LED is not illuminated this indicates that the heated seat function is **off**.

When the heated seat button is illuminated this indicates the heated seat function is **on**.

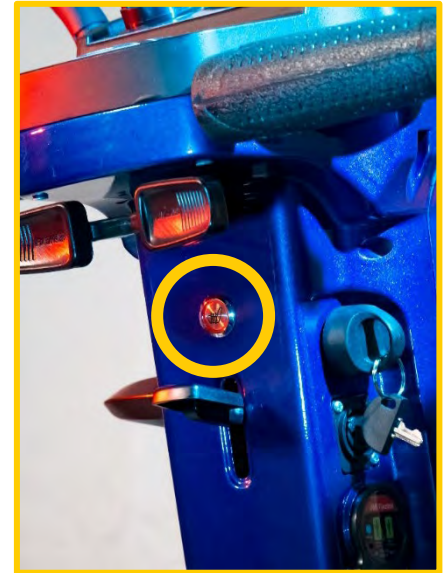


Figure 16 – Heated seat button

9 Maintenance

9.1 Replacing Bulbs

LEDs are energy efficient and long lasting however they may eventually require replacement. LED bulbs can be purchased from the dealer that supplied your Ignite. Replacing bulbs should only be completed by an approved Scooterpac dealer, as it involves disassembling units that must be resealed to the original manufacturing specification.

9.2 Battery Care

The battery assembly in your Ignite should not require any maintenance on a day-to-day basis, however access may be required. The batteries are located under the seat, protected by a black plastic shroud – secured by one thumb screw.

To access the batteries, the seat must be removed. This can be done by grasping the black lever on the right-hand side underneath the seat & pulling it towards the front of the vehicle. Before removing the seat disconnect both Heated Seat connections. The seat can then be removed by pulling directly upwards.

Once the maintenance has been completed, ensure that the thumb screw is used to replace the battery cover securely, without crushing or bending any wires. Replace the seat ensuring its locked in place and test the fitting for tightness to avoid danger to any user.

9.3 Fuses

The fuses used on the Ignite are accessible through a covered hatch on the front of the tiller. To access the fuse board, simply pull down on the retaining clip and slide the cover out of place. Fuses should only be changed by professionals, as improper work may damage the Ignite electrical system.

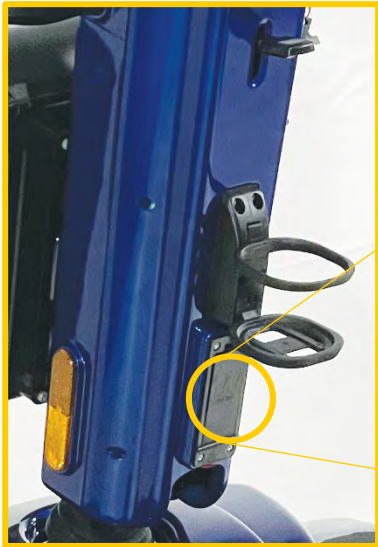


Figure 17 – Fuse box location

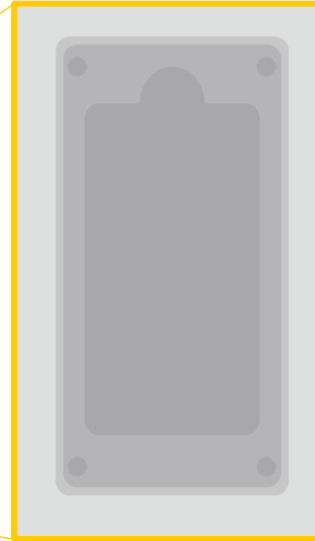


Figure 18 – Fuse box cover

9.4 Tyre Pressures

The tyres on the Ignite Grande are designed to give a good balance between comfort and energy efficiency. Incorrectly inflated tyres may lead to poor handling, reduced range and increased wear. The tyres should always have at least 3mm of tread to provide adequate grip on the road surface. If the tyres become worn, they should be replaced before the Ignite is used again.

Front tyre pressures: 25psi

Rear tyre pressures: 25psi

9.5 Cleaning & Maintenance

9.5.1 Rubber Mats

The rubber mat should be cleaned using a vacuum cleaner with an upholstery brush attached. For stains, a mild mixture of upholstery soap and water may be used, ensuring that the area is thoroughly dried afterwards.

TOP TIP – Please do not use bleach.

9.5.2 Paintwork

To care for the paint, regularly wash the Ignite using soft cloths and a mild automotive detergent.

Apply automotive polish to achieve a high-shine finish. It is highly recommended that polish is applied in areas where the paintwork may be exposed to adverse weather conditions.

TOP TIP – Never use boiling water to clean the Ignite.

10 Warranty

The Ignite Grande comes with a 12 month manufacturer's warranty when purchased new from an authorised Scooterpac dealer. During the warranty period any part which becomes defective due to faulty workmanship or materials will be repaired by the Scooterpac dealer from which it was purchased. If a repair cannot be completed a replacement part will be fitted.

If a manufacturing defect is found, it must be reported in writing to the Scooterpac dealer from which the Ignite was purchased from within 28 days of purchase.

Items considered to have a limited lifespan including batteries and tyres will not be covered if they are deemed to have undergone excessive wear and tear or misuse.

The warranty does not cover damage arising from improper use of the product, after-market modifications or accidental damage. The warranty is non-transferable.

The warranty does not extend to the consequential costs resulting from fault clearance, freight and travel costs, loss of earnings, expenses, etc.

The manufacturer will not accept responsibility for any damage or injury caused by misuse or non-observation of the instructions set out in this user manual.

11 Specifications

11.1 Technical Specification

Motor	Rear Wheel Drive Sealed Transaxle 1400w (4 Pole) 24 Volt DC	Batteries	Dual 12V 120Ah
Dashboard	Digital Dashboard Display 6-button Tiller Max Speed Dial Speed Mode Dial	Tyres	Pneumatic

11.2 Sizes & Weights

Class	3 (Invalid Carriage)
Speed Modes ¹	4mph, 8mph (UK specification)
Range ²	45 miles
Brakes	Electromagnetic
Weight Capacity	210kg / 33 stone
Ground Clearance ^{3,4}	75 mm (unloaded)
Height ³	1480 mm
Length ³	1700 mm
Width ³	770 mm
Tyres	14" pneumatic tyres
Wheels	Front – 14 inches Rear – 16 inches
Maximum Slope ⁴	12 degrees

¹ International Speeds: Available dependant on jurisdiction and local legislation.

² Range may vary with battery charge/condition/option, terrain type, tyre condition and vehicle loading.

³ Due to manufacturing tolerances and continuous product improvement this specification can be subject to variance of +/-3%.

⁴ Varies with user weight, terrain type, battery charge, battery condition, tyre condition.

12 Servicing

In order to ensure continued safe operation, the Ignite Grande must be serviced every 12 months. We recommend recording the servicing dates and locations on the sheets below. Always have your Ignite serviced at an authorised Scooterpac dealer, using original Scooterpac parts.

Year	Service		Next Service Due
Year One	Dealer Name		
	Technician Name		
	Date of service		
	Mileage		
	Notes		
	Signed		

Year	Service		Next Service Due
Year Two	Dealer Name		
	Technician Name		
	Date of service		
	Mileage		
	Notes		
	Signed		
Year	Service		Next Service Due
Year Three	Dealer Name		
	Technician Name		
	Date of service		
	Mileage		
	Notes		
	Signed		

Year	Service		Next Service Due
Year Four	Dealer Name		
	Technician Name		
	Date of service		
	Mileage		
	Notes		
	Signed		
Year	Service		Next Service Due
Year Five	Dealer Name		
	Technician Name		
	Date of service		
	Mileage		
	Notes		
	Signed		

Year	Service		Next Service Due
Year Six	Dealer Name		
	Technician Name		
	Date of service		
	Mileage		
	Notes		
	Signed		
Year	Service		Next Service Due
Year Seven	Dealer Name		
	Technician Name		
	Date of service		
	Mileage		
	Notes		
	Signed		

13 Notes



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