



SEAT  
MO

Owner's manual

## Thank you for your trust choosing an eScooter SEAT MÓ

We recommend reading this Instruction Manual carefully to learn more about your eScooter so you can enjoy all its benefits in your daily driving.

Information about handling is complemented with instructions regarding the operation and maintenance of the vehicle in order to ensure its safety and maintain its value. Moreover, we want to give you valuable advice and tips to drive your vehicle efficiently and respecting the environment.

We wish you safe and enjoyable motoring.

**SEAT, S.A.**

# About this manual

This manual describes the features of the eScooter at the time of drafting this text. Some of the features described below will be introduced in the future or will only be available in certain markets.

Some details on the drawings may vary from its eScooter and must be interpreted as a standard representation.

The direction indicators (left, right, forwards, backwards) in this manual refer to the travel direction of the vehicle unless otherwise stated.

Trademarks are marked with ®. The absence of this symbol does not guarantee that the term is not a trademark.

You can access the information in this manual using:

- Thematic table of contents that follows the manual's general chapter structure.
- Visual table of contents that uses graphics to indicate the pages containing essential information, which is detailed in the corresponding chapters.

## **WARNING**

Texts after this symbol contain information about safety and warn you about possible accident or injury risks.

## **CAUTION**

Texts after this symbol indicate possible damage to the vehicle.

## **For the sake of the environment**

Texts after this symbol contain information about the protection of the environment.

## **Note**

Texts after this symbol contain additional information.

## Connectivity

The eScooter can be connected to My SEAT MO mobile app, which displays different features such as the location of the eScooter, remote battery status checking, start-up authorization, seat opening, scooter locking and the reception of notifications.

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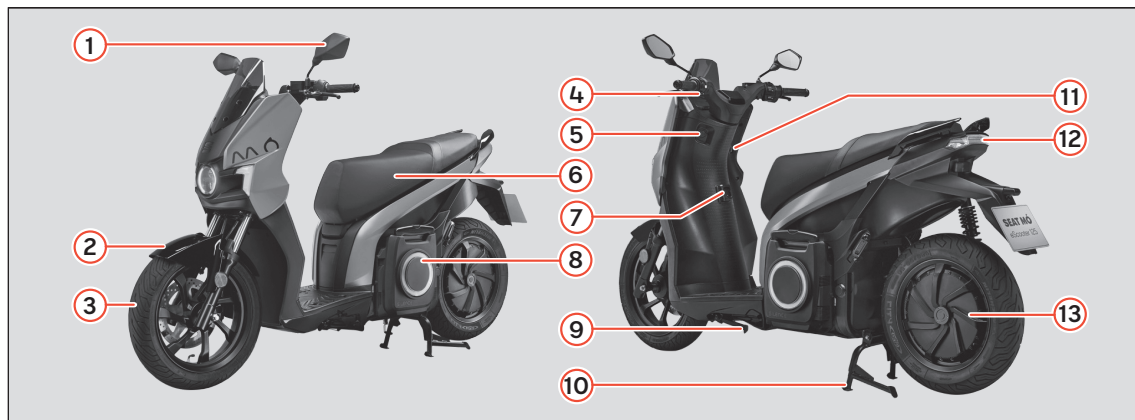
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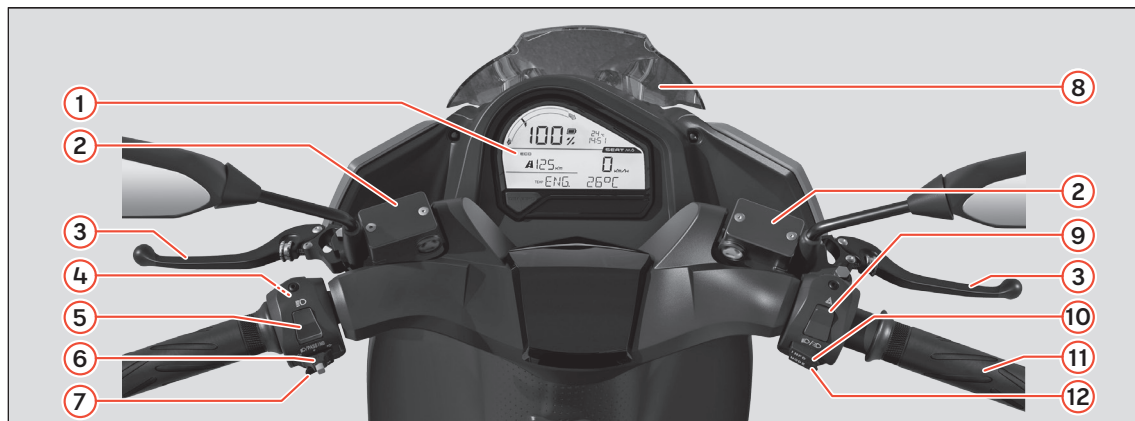
## Basic components



**Fig.1** Basic components

The basic components (from a user stand-point) that make up the eScooter are:

- |                                     |                                  |                                       |
|-------------------------------------|----------------------------------|---------------------------------------|
| ① Mirror » <b>page 11</b>           | ⑤ Electric socket – USB          | ⑪ Ignition » <b>page 24</b>           |
| ② Front mudguard                    | ⑥ Seat » <b>page 26</b>          | ⑫ Brake light, indicators             |
| ③ Front wheel                       | ⑦ Carry hook                     | ⑬ Motor (rear wheel) » <b>page 27</b> |
| ④ Instrument panel » <b>page 15</b> | ⑧ Battery » <b>page 28</b>       |                                       |
|                                     | ⑨ Side stand » <b>page 27</b>    |                                       |
|                                     | ⑩ Central stand » <b>page 27</b> |                                       |



**Fig. 2** eScooter controls and driving

- |                                    |                                    |
|------------------------------------|------------------------------------|
| ① Instrument panel »» page 15      | ⑦ Horn                             |
| ② Brake fluid reservoir »» page 11 | ⑧ Windscreen                       |
| ③ Brake »» page 11                 | ⑨ Dipped beam headlight »» page 22 |
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| ⑤ Main beam headlight »» page 21   | ⑪ Accelerator »» page 22           |
| ⑥ Turn signal selector »» page 21  | ⑫ MODE »» page 22                  |



# Safety

## Safe driving

### Safety first!

Driving a vehicle requires your full attention and can affect your own safety and that of others. So, you must take responsibility for any precautions necessary to minimise risk while using your eScooter.

This section in particular, and the manual in general, offers information and tips to make driving your eScooter as safe as possible.

However, it can't take into account or warn you of the dangers associated with driving a vehicle and its maintenance. You must use common sense to enjoy your eScooter with as little risk as possible. Below you will find some important tips.

### Use and maintenance

The eScooter is an urban eScooter designed to be used on the road only, carrying at most the driver and one passenger. It is also important to respect the maximum load indicated in the corresponding section.

- **Drive within your limits:** take into account your personal skills and the road conditions in order to drive safely. Don't overestimate your skills and leave a margin for unexpected events.

- **Do not drink or use drugs before driving:** they will affect your reflexes and your ability to deal with unexpected events. Don't let anyone else drive in that condition either.

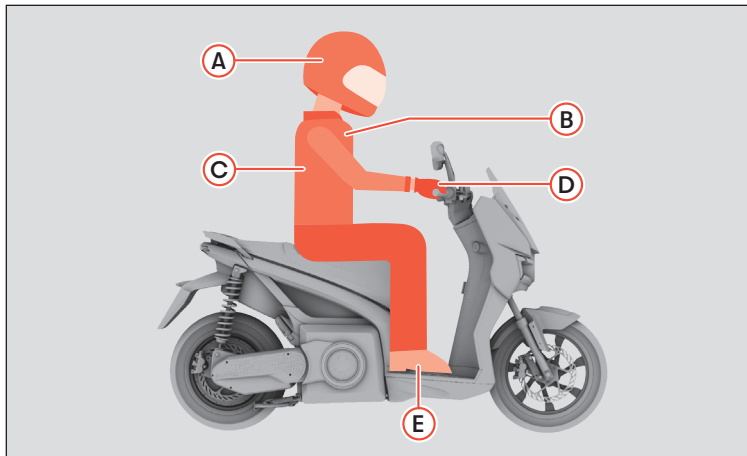
- **Assess other factors:** also take into account other factors that affect driving, such as prescription drugs, fatigue or lack of attention.

- **Keep the eScooter in good conditions:** just as you have to be in good shape to drive, you are responsible for inspecting and maintaining your eScooter before driving, following the instructions in this manual. Inadequate or no maintenance can be a risk factor.

### ⚠ WARNING

The eScooter is NOT prepared for regular motorway use, although it is possible to do so sporadically. The vehicle is designed to go at a steady speed of 85 km/h without any critical elements overheating. If the vehicle is used in Sport mode all the time, the battery pack (BP) may overheat. So, the eScooter is fitted with a system that optimises the vehicle's power use and output to modify settings on the go and avoid this type of situation.

## Clothing and protection



**Fig. 3** Clothing and protection recommendations

- A** Always wear a helmet. Also protect your face (visor or glasses)
- B** Clothing should never be loose
- C** Wear bright or reflective colours
- D** Wear gloves
- E** Shoes should fit properly, have a low heel and protect your ankles

For both your safety and that of the passenger, we recommend wearing protecting clothing suitable for riding a eScooter. Although such clothing does not provide total protection, it can considerably decrease the probabilities of injury and the seriousness of the consequences. Consult a specialist to choose the clothing that suits you best.

- **Always wear a helmet:** Proper use of a helmet is basic and obligatory, both for the driver and for the passenger. It must be approved, in good condition and properly buckled. Helmets reduce the number of head injuries and their seriousness. We recommend using full-face helmets (that cover the whole head) in light, bright colours or with reflector strips, that are lightweight and fit properly.

- **Wear eye protection:** Always wear eye protection: either the helmet's visor or appropriate glasses.

- **Other garments:** Wear stiff boots and leather gloves to protect feet, ankles and hands from scratches, cuts and bruises. Wear a suit or jacket and trousers specifically designed for riding scooters. These should be form-fitting and the right size, and we recommend they have reflector strips.

These recommendations also apply to the passenger if there is one.

## Load

This eScooter is designed to be driven safely as long as the maximum load capacity and proper distribution are respected. Failure to do so may compromise the stability, braking power and manoeuvrability of the eScooter.

The maximum mass of the eScooter cannot be more than 320 kg, including the vehicle itself with its battery and accessories, the driver and the passenger, when applicable, and any load. Weight must be distributed evenly across the two axles.

Remember that the weight of any accessories that are installed will reduce the additional load that the eScooter can carry.

### WARNING

- **Distribute the load evenly on the eScooter and try to keep it as close to the centre as possible.**
- **Make sure the load is firmly tied down and avoid carrying loose objects.**
- **Always make sure tyres are properly inflated and adjust the rear suspension to suit the specific load in each case »» page 10, Tyres. To safely adjust the rear suspension, contact your official dealer or a specialized workshop.**

## Accessories and modifications

We recommend using only SEAT accessories, as they have been designed and tested to ensure they work properly with this model of eScooter.

If you use other accessories or modify them in any way, you must make sure they are selected and installed properly so that they:

- Don't obstruct the turning radius of the handlebar or interfere with the use of any of the controls.
- Don't reduce the side tilt angle or the ground clearance.
- Don't interfere with visibility or the beam of any of the lights.
- Do not tamper with the eScooter's electrical or electronic components.
- Comply with legal regulations.

## Checks before driving

### Charge level

Check the charge level on the LCD screen. If it is too low, we recommend charging the battery before using your eScooter.

### Lights and indicators

Replace parts if they do not work or have been damaged, before driving.

When the speedometer lights don't work properly, they start blinking more quickly to indicate that there is a problem.

### Stands

Make sure both the side stand and centre stand are folded away.

The side stand has a sensor that prevents the eScooter from being driven when it is deployed, but the centre stand does not.

### Tyres

Always make sure there are no punctures, cracks or tears in the tyres, and that the tread has not worn down. Never drive with worn or defective tyres. See section »» **page 42**,

**Technical specifications** to find out about the correct tyre pressures for the eScooter.

Driving with inappropriate tyre pressures can damage the tyres and cause an accident, in addition to limiting their lifespan.

### Rear tyre

It is very important to respect the rear tyre pressure (2.5 bar) as the motor is inside the rear wheel.

It is important to remember that this eScooter has more weight on the rear wheel than conventional scooters (those without an in-wheel motor), so the rim or motor can be affected when going over kerbs, potholes or road humps if travelling at the same speed as a conventional scooter.

### ⚠ CAUTION

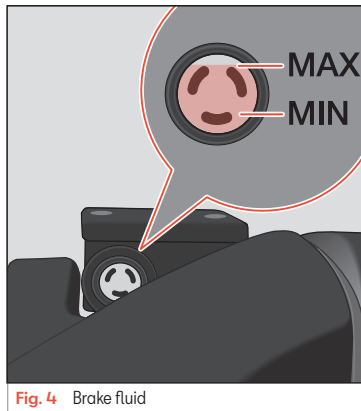
**If you go over kerbs, potholes or road humps at high speed, you may damage the vehicle's rim and/or motor.**

### Mirrors

Before driving, make sure that both mirrors are properly adjusted to the current driver of the eScooter.

## Brakes

### Brake fluid



**Fig. 4** Brake fluid

The brake fluid tanks are located on the top of the handlebar, one on each side. Check the levels with the eScooter resting on both wheels, not on its stands, and on a flat surface.

The brake fluid should never fall below the MIN line on the tank »» **Fig. 4**. Air can get into the tank if it is empty, which can cause problems in the eScooter's braking system and compromise safety on the road.

Levels should always be checked and the fluid must be changed every 2 years. If there is not enough brake fluid, add more.

### Front brake

The brake pads have safety slots.

If the slots in the friction material are visible, get your point of sale to replace it.

### Rear brake

When the rear brake pads are less than 1mm thick, they are less effective. Get your point of sale to replace them. Use DOT4 brake fluid (never mix old and new fluid).

### ⚠ WARNING

- If you get brake fluid on your skin, wash it off immediately with water.
- If you get brake fluid in your eyes, flush with water and seek medical attention quickly.

### ⚠ CAUTION

**Brake fluid can damage the eScooter's paint and plastic parts if spilled. Brake fluid can cause damage and injuries if not handled properly and safely.**

## Brake lever



Fig. 5 Brake lever

Make sure that the braking system works correctly:

- Squeeze the left and right brake levers at the same time to make sure that they both resist pressure.

### ⚠ CAUTION

If you find excessive play in the brake lever, but the pads are still in good condition, contact a SEAT Official Service as soon as possible to get it checked.

## Adjustment of the brake lever

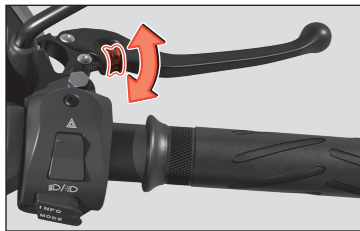


Fig. 6 Brake lever

The positions of the left and right brake levers can be adjusted for greater driver comfort. The regulator is located on the brake lever itself.

- Turning the regulator forwards or backwards moves the position of the brake lever closer or further away.

### i Note

Adjusting the brake lever only affects the position of the lever and has no effect on the braking power or distance.

# Emergencies

## Self-help

### First aid

In the case of a broken battery, smoke or fire, evacuate people from the contaminated area and ensure as much ventilation as possible to clear away the gases. Seek medical attention.

- **Contact with eyes:** Rinse with plenty of water (eyes open) for at least 10 minutes.
- **Contact with skin:** Remove contaminated clothing and rinse the affected area with soap and water for at least 15 minutes. Do not apply grease or creams.
- **Inhalation:** Take the person outdoors and ventilate the contaminated area. Administer oxygen or artificial respiration if necessary.

### Fire protection

#### Extinguishing measures:

- **The following can be used:** Type D, CO<sub>2</sub>, dry chemical extinguishers.
- **Specific hazards:** cells overheating due to external heat sources or improper use.

## Fuses

### Changing a fuse

The fuse box is located under a protective cover, inside the seat compartment »» page 26.

#### Fuses colour coded

Colour	Current intensity in amps
Black	1
Grey	2
Orange	5

The eScooter has 4 fuses:

No.	Consumer	Amps
1	USB port	1
2	12V power supply	5
3	On-board power supply	2
4	Controller	2

# Operation

## Start-up

### Steps to follow

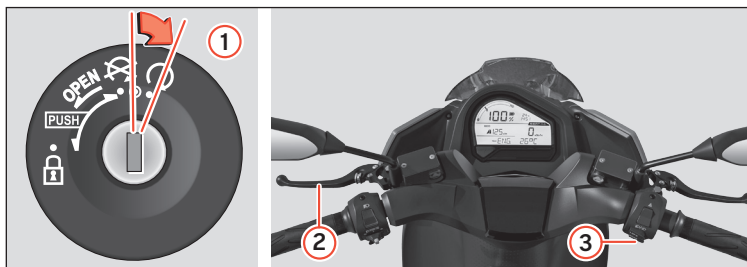


Fig. 7 Start-up

- Insert the key into the scooter's ignition.
- Press and turn the key clockwise to "on" position ①.
- Press the left brake lever ② and the **MODE** button ③ at the same time until an audio signal sounds and **READY** is shown on the instrument cluster display. The indicator light **D** at the bottom of the instrument cluster will then come on.

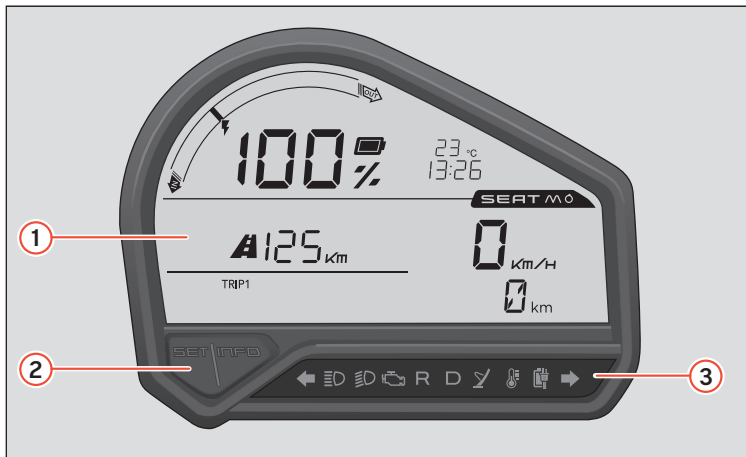
Now you can move off my operating the accelerator grip.

#### **⚠ WARNING**

**It will only be possible to start-up the eScooter while it is stopped.**

## Control instruments and warning lamps

### Instrument panel



**Fig. 8** Instrument panel

The instrument panel gives you all the information you need to know about the eScooter while driving.

It has:

- ① LCD screen »» page 16
- ② “SET” and “INFO” buttons »» page 18
- ③ Indicator lights »» page 19

Its functionalities are explained below.



## Instrument cluster operation

### LCD screen

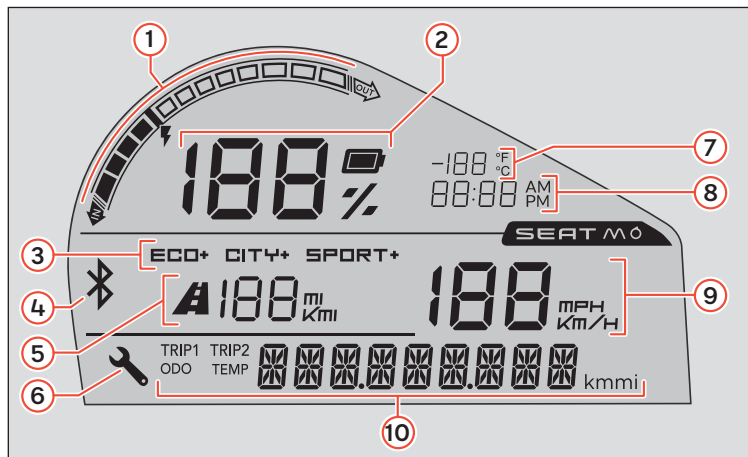


Fig. 9 LCD screen

#### ① Current indicator

It also indicates whether power is flowing out of the battery (being used) or into it (being regenerated through the brake motor or charging).

#### ② Charge display

The display shows the SoC (State of Charge). This is shown as a percentage, so when the battery is completely drained it will read 0% and when it is fully charged it will show 100%.

#### ③ Driving mode

Shows the driving mode that is currently active (ECO, CITY or SPORT).


#### ④ Bluetooth connection

This icon shows that the eScooter's ECU is paired with the driver's smartphone. It blinks when pairing and stays on once the connection has been made. The light turns off when the user disconnects their smartphone.

#### ⑤ Estimated remaining range

Shows information about the remaining range, in kilometres or miles. This is approximate and depends on driving style and current use of power.

## ⑥ Service

When it's necessary to perform scheduled service on the eScooter, according to mileage (km), the spanner icon  will appear automatically.

Once the eScooter has been serviced, the authorised service will deactivate the icon and it will not appear again until it is time for another scheduled service.

The icon is just a reminder and removing it does not constitute certification of having passed a revision.

Regardless of the kilometres travelled, the eScooter must pass at least one revision each year if it hasn't reached the kilometres that trigger the spanner icon.

Read the maintenance section for more information »» page 36.

## ⑦ Ambient temperature

Shows the ambient temperature (in Celsius or Fahrenheit, depending on the settings). It shows both positive and negative temperatures.

## ⑧ Current time

Shows the current time (battery data). The time can be shown using the 12-hour or 24-hour clock systems.

## ⑨ Speedometer

Shows the eScooter's current speed. It can be set to kilometres per hour or miles per hour.

## ⑩ Mileage display and temperature display

Pressing the INFO button changes the information that is displayed: odometer, temperatures, trip recorder 1, trip recorder 2:

### Odometer:

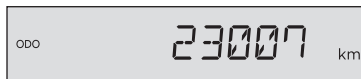


Fig. 10 Odometer

Indicates the total kilometres/miles travelled.

### TEMP

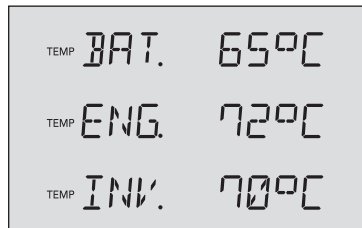


Fig. 11 Temperatures

Shows the temperatures of different components, in Celsius or Fahrenheit.

By holding down the INFO button you can switch between:

- BAT TEMP: Temperature of the battery pack.
- ENG TEMP: engine temperature.
- INV TEMP: controller temperature.

## TRIP1

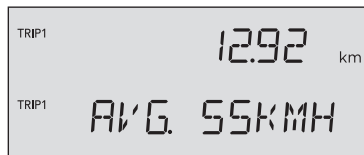


Fig. 12 Partial odometer 1

**Partial odometer 1:** Shows the kilometres/ miles travelled since the last time it was reset. Holding down the INFO button switches between:

- KM/MI: kilometres/miles travelled.
- AVG: Average speed for those kilometres/ miles (in km/h or mi/h).

## TRIP2

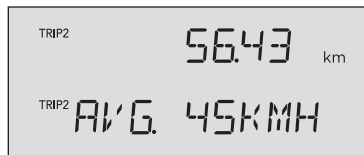


Fig. 13 Partial odometer 2

Exactly the same as TRIP1.

## “SET” / “INFO” buttons



Fig. 14 Instrument cluster buttons

The buttons on the instrument cluster are **INFO** (with the same functions as the button on the right hand side of the handlebar »» page 22) and **SET**:

They are used to:

### Switching between panels

- Press **INFO** (single press): move between the following screens with each press, in this order: ODO, TEMP, TRIP1, TRIP2.

### Change view from trip recorder / average speed (AVG)

- In **TRIP1** or **TRIP2**, press **INFO** (press and hold).

### Reset trip recorder

- In **TRIP1** or **TRIP2**, press **SET** (single press). The kilometre count will be reset.

### Changing the temperatures view

- In **TEMP**, press **INFO** (press and hold): to switch between the BAT TEMP, ENG TEMP and INV TEMP screens.

### Change the time

- Press **SET** (press and hold): access the time change mode.
- Press **SET** (single press): change between hours, minutes and time mode (they will start flashing).
- When the hour is flashing, press **INFO** (single press) to increase by one unit per press. Press **INFO** (press and hold) to quickly increase the time.
- When the minutes are flashing, press **INFO** (single press) to increase by one unit per press. Press **INFO** (press and hold) to quickly increase the minutes.
- When the time mode is flashing, press **INFO** (single press) to switch between AM, PM and 24 hour mode.
- Press **SET** (press and hold) to set the time and exit the time change mode.

### Change the units' system

- Press **SET** (press while switching the eScooter on): switches from metric system units [°C, km/h, km] to imperial system measurements [°F, mph, mi], and vice-versa.

### Warning lights

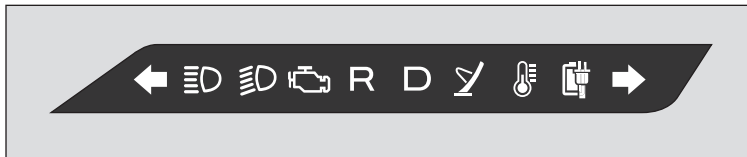









Fig. 15 Instrument panel

#### Warning lights

	Left indicator light.
	High-beam light.
	Low-beam light.
	OBD light. Comes on when there is an issue. If the issue disappears, the light should go off after you start the eScooter 3 times.
	Reverse-gear light.
	Gear light. This comes on when the eScooter has done all the necessary checks and is ready to drive.
	Side stand indicator. This indicator lights up when the stand is down. The eScooter is not permitted to move in this situation [automatic safety disconnection].

## Warning lights



Temperature light. This blinks if any part is near its maximum allowable temperature. It stays on without blinking when it is over the maximum temperature.

**Motor:** 212 °F (100 °C) flashing  
230 °F (110 °C) always on.

**Controller:** 158 °F (70 °C) flashing,  
167 °F (75 °C) always on.

**Battery:** 122 °F (50 °C) flashing,  
140 °F (60 °C) always on /  
41 °F (5 °C) flashing,  
14 °F (-10 °C) always on.



Charge gauge. Steady when connected to a power source.



Right indicator light.

# eScooter controls and driving

## Controls on the left side of the handlebar

### Main beam/flash light selector

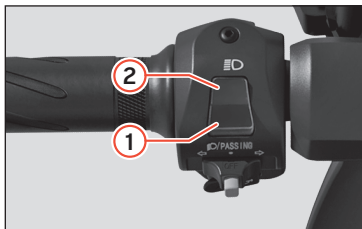



Fig. 16 Lamps

- **Position ①**: flash (when pressed down, it returns to the rest position by itself). Allows you to flash your high beams to warn other drivers on the road.
- **Position ②**: main beam headlight (switch remains in the position ②). To switch on the high beam, hold down the lever at the top.

In any case, the blue indicator lamp  will remain lit up on the instrument cluster while the main beam lights are switched on:

### Turn signal selector

- To turn on the turn signals, move the selector switch right to signal a turn to the right, and to the left to signal a turn to the left.
- Press the **white** central button to reset the position of the selector switch and switch the indicators off.


### Horn

Press the button with the horn symbol to sound the horn.

### Reverse switch



Fig. 17 Reverse button

The eScooter has a reverse gear. To use this function, press the button shown on the image, behind the left hand brake handle  **Fig. 17** (arrow) and accelerate smoothly

while pressing it down. The indicator lamp R will light up on the instrument cluster and an intermittent sound will be heard.

### **WARNING**

**Be careful, especially the first time you use reverse gear.**

- This helps you manoeuvre while parking or to reverse out of a parking spot.

## Controls on the right side of the handlebar

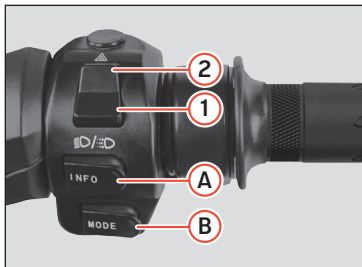



Fig. 18 Right hand side of the handlebar

### Accelerator

- To speed up, rotate the accelerator control downwards.
- To go back to the neutral position, release the accelerator.

### Dipped beam / warning light selector

- To **switch on the dipped beam**, move the selector to **position ①** (when it is pressed down, it returns to the rest position by itself). Whenever these lights are switched on, the **green** indicator lamp  on the instrument cluster will show this.

- To **switch on the emergency (hazard) lights**, move the selector to **position ②** (the button returns to the rest position). Switches on and off the indicator lights on both sides at the same time.

You can switch on your hazard lights and leave them on even after taking the key out of the eScooter. To do so, switch them on with the key in and then remove it. After they have been switched off, they can't be switched on again without putting the key back in.

### INFO button **A**

This button is a duplicate of the **INFO** button on the instrument cluster and has the same functionality »» page 15, **Instrument panel**.

### MODE button **B**

**Mode selector:** this eScooter has three different driving modes, which can be selected using the **MODE** button.

These are:

ECO "E"	This mode is for more relaxed driving, with limited speed and acceleration. It gives the vehicle a longer range. The full regenerative brake is used.
CITY "C"	The vehicle has been designed to drive regularly in CITY "C" mode. This gives it good performance and balanced consumption. This is the default mode when you switch on the eScooter. It includes limited use of the regenerative brake.
SPORT "S"	This driving mode gives you more power and speed at specific moments. Frequent use of the SPORT mode decreases the eScooter's range (kilometres it can travel with a full charge) as it uses more power and can raise the temperature of the engine/battery, which could have a negative effect on performance or cause the eScooter to shut off. The full regenerative brake is used.

The top speed for each mode is:

Top speed	
ECO	40 mph [64 km/h]
CITY	50 mph [80 km/h]
SPORT	59 mph [95 km/h]

SPORT mode is only available when the following conditions are met:

- Battery state of charge (SoC): > 20 %
- Battery temperature: < 113 °F (45 °C)
- Motor temperature: < 221 °F (105 °C)
- Inverter temperature: < 158 °F (70 °C)

The current driving mode is shown on the instrument cluster display »» **page 16**.  
Single click to switch between ECO, CITY and SPORT modes in the following order:  
C-S-C-E-C-S-C-...

When switching between modes, the name of the next mode will flash on screen for a few seconds and will stop flashing when it is chosen. This way, you can jump 3 modes without having to activate the next mode in the sequence.

#### Note

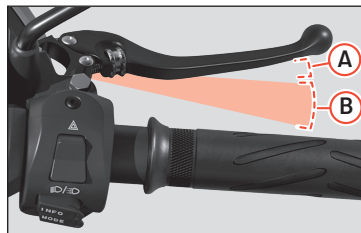
You can go straight from SPORT to CITY. To go from any mode to ECO, however, you have to be driving under 55 km/h. For safety reasons, power will be limited in any of the following cases:

- Battery temperature:  $\geq 113^{\circ}\text{F}$  ( $45^{\circ}\text{C}$ )
- Motor temperature:  $\geq 230^{\circ}\text{F}$  ( $110^{\circ}\text{C}$ )
- Inverter temperature:  $\geq 158^{\circ}\text{F}$  ( $70^{\circ}\text{C}$ )

#### Note

If the battery exceeds  $140^{\circ}\text{F}$  ( $60^{\circ}\text{C}$ ), the eScooter will gradually slow down until it stops. (before reaching this situation, the power reduction will be gradual).

## Combined brake and regenerative brake



**Fig. 19** Brake lever

The eScooter is equipped with a combined brake system that works as follows:

The right brake lever activates a mechanical break on the front wheel (disc brake) and the regenerative brake (electronic) on the rear wheel. The left brake lever activates a mechanical break on both the front and rear wheels (both disc brakes through the brake distributor).

The first part of the front brake lever activates only the regenerative brake, so it can be used without activating the mechanical brake (front disc brake). Then both brakes are activated together. Using the regenerative brake helps braking while maintaining the battery charge.



### How to brake with the regenerative brake:

- During the first part of the front brake lever's travel (right hand side) » Fig. 19 (A), the regenerative brake operates. This system brakes the rear wheel electronically and regenerates energy in the battery.

- If you continue pressing the brake lever » Fig. 19 (B) the mechanical brake on the front wheel will also be activated. Greater pressure will increase the power of the mechanical brake.

The regenerative brake that is applied depends on the selected driving mode (see » page 22, **MODE button**).

## Ignition

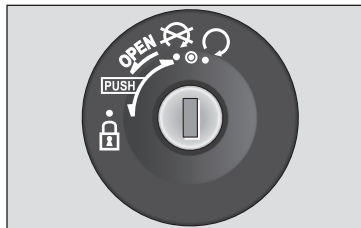


Fig. 20 Ignition lock

Positions:

### Steering lock

- Turn the handlebar all the way to the left.
- Put the key in, press it in and turn it to the left.

Now all the functions are blocked and the eScooter's movements are very restricted.

### Open the seat

- Turn the key to the left (without pressing inwards). The seat lock will release.
- You can also open it by pressing both brake levers at the same time, while the side stand is down.

To close the seat, push it down from the rear until you hear the click of the lock.

### Switching off / unlocking the steering

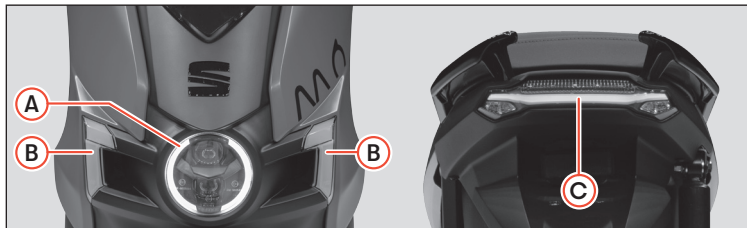
All the functions are deactivated but the handlebar is not locked (the eScooter can be moved). You can work on the eScooter safely.

### Ignition

All functions are ready to be used. The key cannot be removed in this position.

# Lights and visibility

## Lights



**Fig. 21** Lights

All of the lighting on this eScooter is based on LED technology, including indicators, sidelights, brake lights, main and dipped beams. There are no lightbulbs to change.

The various lighting groups are:

### **(A) Front lamp**

Includes main and dipped beams, and sidelights.

### **(B) Front sidelights / turn signals**

On either side of the front lamp, there is an LED group used for the front sidelights and indicator lights.

### **(C) Rear lights**

On the back of the eScooter, there are rear sidelights, brake lights and rear indicator lights.

## Saddle

### Open and close seat



Fig. 22 Seat interior

Your eScooter's seat has room for the driver and one passenger, plus a large inner compartment with enough space for 2 helmets.

#### Under seat compartment

There are 2 ways to open this compartment:

- **Using the key:** insert the key into the ignition keyhole, turn to the left and then pull the seat upwards (see section »» page 24, Ignition).
- **Manually:** By pressing both brake levers at the same time with the side stand in its down position.

To lock the seat, push it down until the latch clicks. Make sure it is locked Secure this lock before moving off.

### Seat interior

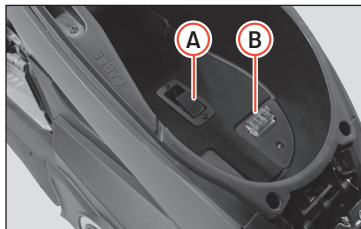


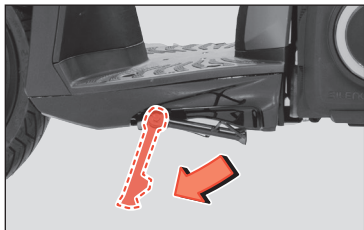
Fig. 23 Seat interior

The following elements are found inside the compartment:

- Battery release latch (A) »» page 31.
- Fusebox (B) »» page 13
- OBD (diagnosis) connector.

## Stands

### Side stand




**Fig. 24** Side stand

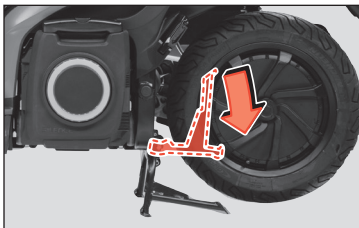
The side stand is on the left side of the eScooter. To lower the stand, press the “U” shaped leg that protrudes from the stand downwards.

The side stand should be used when the ground is too unstable or on a slight incline, making it impossible to use the centre stand.

#### Note

The side stand has a sensor that prevents the scooter from being driven when it is deployed. When it is deployed, the  indicator light comes on the instrument cluster comes on.

### Centre stand



**Fig. 25** Centre stand

The centre stand is at the bottom of the eScooter. This stand supports the eScooter in a vertical position.

To put the eScooter on this stand, push the leg down with your foot while pushing or pulling the eScooter gently up or down.

The central stand should be used when the ground is stable or flat, and for long parking periods or servicing.

## Motor

### Motor (rear wheel)



**Fig. 26** Motor (rear wheel)

The rear wheel of the eScooter houses a 100% electric motor with brushless technology (HUB), direct transmission and an air-cooling system.

Its nominal power is 7,000 W (L3e homologation) and it has a maximum speed of 59 mph (95 km/h).

# Battery

## Battery pack

### Introduction



Fig. 27 Removable battery

The eScooter has an innovative removable battery pack with a handle and wheels so it can be transported like a trolley. This way, you can either charge it on the eScooter or wherever you want, by taking the battery to an electrical socket.

Plus, this battery pack can be used on other scooters, or even used to power other devices.

### Safety instructions



Fig. 28 Warning signs

The battery can be **VERY DANGEROUS** when not on the eScooter.

The battery must be transported in accordance with all applicable laws.

To avoid injuries, burns or electric discharges:

- **Never** dismantle the battery unit or remove its covers. This should only be done by authorized personnel.
- Keep children away from this part of the eScooter.
- Do not pierce or hit this area when using elevators, expose it to flames, incinerate, or expose to liquids, since creating excess heat can cause a fire and can be very dangerous.

### Qualified authorized personnel

Make sure that you read the workshop manual before repairing or replacing the battery.

#### ⚠ WARNING

- The battery should always be moved on its wheels, slowly (max. 3 km/h), slower than the average person walks.
- Avoid mistreating the battery, including hitting or bouncing it, rolling it over cobblestones, stairs or holes, or dropping it (down stairs, for example), as this could cause it to catch fire. Avoid all contact with water.
- If there is any indication or you suspect the Battery Pack has been used incorrectly or has been dropped, do not plug it in and call an Official Service or specialist workshop.
- A battery fire can be put out with water or CO<sub>2</sub> unless the battery is plugged in or near other batteries. In this case, use a CO<sub>2</sub> extinguisher to put out the fire and take it to a safer, more isolated location (at least 15 m from any exposure: other vehicles, batteries, etc.). Once in a secure location, call the emergency services so they can take control of the situation.

**⚠ WARNING**

Never open the battery housing. It can be very dangerous and completely voids the warranty. Only authorized personnel should work on the battery housing.

**⚠ WARNING**

If smoke starts to come out of the battery, call the fire service urgently and take it out of any enclosed space.

- The vehicle cannot explode, so there is no problem with transporting it to a safe location.

**♻ For the sake of the environment**

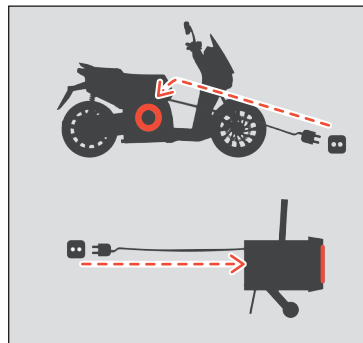
Consult an Official Dealer or visit your Technical Service before replacing and discarding the battery.

**Battery Pack Components**

In addition to its basic internal systems, the removable battery pack has the following elements:

**Trolley removable battery system**

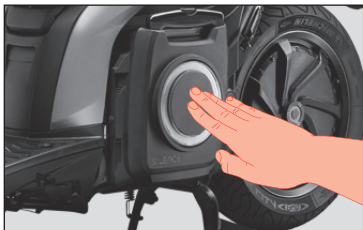
This system includes an extendible handle, two wheels and a support base (to use on flat, horizontal surfaces). To find out more about how to remove it from the eScooter, please see section »» page 31, Removing the Battery Pack.

**Internal charger**

**Fig. 29** Internal charger

The 600 W internal charger allows the battery to be charged both inside and outside the eScooter from any conventional plug socket using a Schuko-IEC power cable »» page 32, Connecting charging unit.

## Light ring



**Fig. 30** Light ring

Information on the battery charge level is available whether or not the battery is in the eScooter, on an LED light ring on one side of the battery pack.

Tap the inside of the ring to display the following information:

- **Not charging:** tapping the centre of the ring displays moving ORANGE and WHITE light trails. Next the remaining charge percentage will be shown by a section lit up in ORANGE (or the entire ring, if the battery is 100% charged). When the battery charge is low, the entire ring will be lit up in YELLOW.
- **Charging:** while the battery is charging, an ORANGE light trail moving around the ring will alternate with a portion of the ring lit up, showing the percentage of the battery charged. When it reaches 100%, the entire

ring will be lit up ORANGE with a WHITE trail moving around the ring while it remains plugged in.

If the eScooter ignition is on, the ring will not light up under any circumstances.

## Removing the Battery Pack



**Fig. 31** Removing the battery

Follow these steps to remove the battery pack easily in just seconds **(with the eScooter on the centre stand)**:

- Open the seat with the key or by squeezing the 2 brake levers.
- Operate the lever.
- Remove the Battery Pack.
- Transport the Battery Pack.
- Plug it into any socket.
- Once charged, unplug it.
- Transport and insert the Battery Pack into the eScooter.
- Make sure the battery is secure.



The wheels and base of the pack slide out and fold up automatically when it is removed or inserted into the eScooter, respectively.

Nevertheless, it is your responsibility to do this slowly and make sure the wheels and base deploy correctly, and that when putting it back in, it is properly anchored (check before driving).

#### **⚠ WARNING**

Never remove or insert the battery pack when the eScooter is charging or with the ignition switched on.

#### **ⓘ CAUTION**

Do not unfold the handle before pulling the pack out. Unfold the handle once the battery is away from the eScooter.

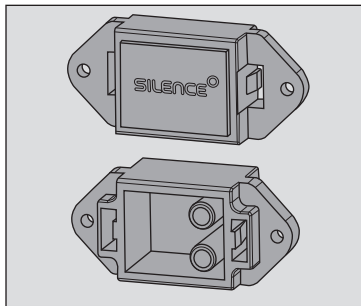
#### **i Note**

When the battery does not make good contact with the eScooter, the following message is displayed on the instrument cluster:

BATT OUT

When connected correctly, the usual information is displayed.

### Connector



**Fig. 32** Connector cap

Whenever the battery is not in the eScooter, the eScooter's (Multicontact) connector must be covered with the rubber cap designed for this purpose. Its purpose is to protect it while the battery is disconnected.

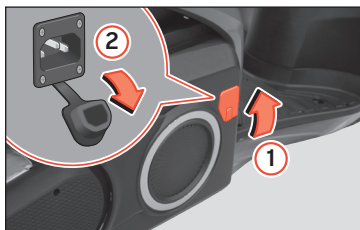
#### **⚠ WARNING**

Do not put the protective cap on while the eScooter is plugged in and never allow the connector to get wet (even with the cap on).

### Connecting charging unit



**Fig. 33** Rear of the Battery Pack: charging socket



**Fig. 34** Right hand side of the eScooter: charging socket

The eScooter battery can be charged both on the eScooter and separately.

In either case, both the eScooter and the battery have an IEC male contact for the power cable. The cable has an IEC socket contact and a Schuko contact and is normally stored in the compartment under the seat, where the male power contact point is located.

The IEC socket is found on the rear of the battery » **Fig. 33** and on the right hand side of the eScooter » **Fig. 34**. To access the connector, lift up the rubber cover (arrow ①) and then the connector's rubber cover (arrow ②).

The charger (600 W) is part of the battery pack, so all you need to charge the battery is a power point and the cable. It uses convection cooling.

- **To connect**, first plug in the IEC connector (eScooter or the battery) and then plug into the mains. It is important to fully charge the battery after it has been partially used 3 or 4 times.
- **To disconnect**, first unplug from the mains and then from the IEC connector. The charging process can be stopped at any time. Plus, the control system will stop charging the battery when it is at 100%.

If the battery temperature is under 32°F (0°C) or over 122°F (50°C) (due to improper use), it will not charge.

#### **WARNING**

**The battery must be charged completely once every 30 days to keep the warranty valid.**

- **To keep the battery's warranty valid, you must fully charge the battery (to 100%) at least once a month. If you know you won't be using it for a long time, it is very important to leave it with sufficient charge to ensure that it does not reach critical levels. Batteries that fall below a certain level of voltage no longer work on their own, meaning they cannot be charged and must be taken to an official technical service or specialist workshop.**

#### **CAUTION**

**Before inserting or removing the battery pack, ensure that the eScooter isn't charging and that the ignition is off.**

### Temperature

This eScooter has a cell voltage and temperature stabilisation system. To avoid critical situations, the safety systems limit battery use if the cell temperature is above safe levels due to overheating.

- The battery can be used between 14°F (-10°C) and 122°F (50°C). The performance of the lithium cells may vary depending on the temperature.
- The charger won't charge the battery if the cell temperature is below 32°F (0°C) or above 122°F (50°C).
- The current battery temperature is shown on the eScooter display. If any of the limits are exceeded (upper or lower, warning or failure), the following light will come on:



#### Temperature display

This blinks if any part is near its maximum allowable temperature. It stays on without blinking when it is over the maximum temperature.

**Motor:** 212 °F (100 °C) flashing  
230 °F (110 °C) always on.

**Controller:** 158 °F (70 °C) flashing,  
167 °F (75 °C) always on.

**Battery:** 122 °F (50 °C) flashing,  
140 °F (60 °C) always on /  
41 °F (5 °C) flashing,  
14 °F (-10 °C) always on.

Take the following actions, depending on the situation:

- **Low temperature:** Below 32°F (0°C) the battery does not work in optimal conditions, we recommend using your eScooter at temperatures above 32°F (0°C).
- **High temperature:** Due to extensive use the battery cannot deliver more power. Avoid Sport mode and stop the vehicle if it needs to cool down.

### State of charge indicator in % (SoC)

To obtain as precise a reading as possible for the state of charge (SoC, as a %), the battery charging process to 100% must be completed (at least after 3 or 4 partial charges).

### Range

The range of an electric vehicle is the distance it can travel on a single charge of the battery.

This is influenced by many factors, including driving style, load and distribution, tyre pressure and weather conditions, such as wind, which can decrease the range.

The display shows the estimated number of kilometres (or miles) of range left. This is

approximate and depends on driving style and current use of power.

### Power Battery Pack Useful Life

Once the useful life cycle of the eScooter's battery pack is over, you can deliver it to an authorized SEAT service for proper processing, thus reducing its environmental impact.

Inform your nearest SEAT service so that it can pick up and subsequently recycle the battery.

## Battery and charger specifications

Battery specifications			
Nominal charge	5.6 kWh		
Chemistry of the cells	Lithium-ion cells		
Weight	41 kg		
Height unfolded	870 mm		
Housing height	270 mm		
Wheel width	330 mm		
Housing depth	440 mm		
Nominal voltage of the battery	51 VDC		
Storage temperature without charging	-4°F [-20°C] to 176°F [80°C] max.		
Operating temperature	32°F [0°C] to 122°F [50°C] (charging)		
	14°F [-10°C] to 140°F [60°C] (discharging)		
Housing material	Aluminium and polycarbonate PC		
Maximum charge power	35A		
Maximum discharge power	250A		
Charger type	Onboard 90-240 VAC; 600 W		
Standard charge time	6-8h		
Modes	Eco	City	Sport
Maximum driving distance	85 miles (137 km)	65 miles (104 km)	51 miles (82 km)

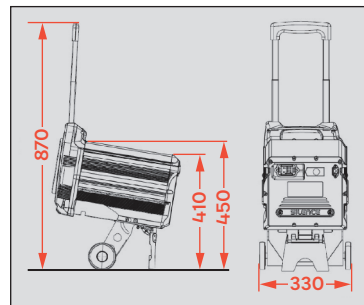


Fig. 35 Battery dimensions

# Maintenance

## Maintenance schedule

### Work to perform

As with any other vehicle on the road, regular maintenance and inspection is required before each use.

This is the only way to ensure the safety of the driver and other road users, while also guaranteeing an optimal experience with the eScooter.

Always take your eScooter to a SEAT Official Service Centre for maintenance work, as they know your eScooter best and have the right tools to diagnose and repair it.

However, there are some things you can (and should) check yourself, such as tyre pressure, brake fluid, etc.

### ⚠ WARNING

- These instructions have been written on the assumption that the eScooter is used exclusively in an urban environment. If you will use it for a purpose other than that for which it was intended or drive steadily at a high speed or in overly damp or dusty conditions, you will have to service the eScooter more often.
- If the eScooter is involved in an accident, get a SEAT Official Service or a specialist workshop to inspect the main components.
- Failure to properly maintain the eScooter, follow instructions or solve a problem before driving could cause a serious accident. Always follow this schedule and any advice from your SEAT distributor.
- There are some basic operations you may be able to do on your own (the same ones you would do for a eScooter with a combustion engine, such as changing the brake pads). Only you can decide if you are capable and, therefore, whether or not you should do these tasks yourself.

- Always read the instructions before starting and make sure you have all the materials you need and a clear idea of what you are going to do.
- Use the centre stand for any operations, always on a flat, hard horizontal surface.
- Always switch the eScooter off and remove the keys before carrying out any operations (unless indicated otherwise in the instructions) to avoid starting it accidentally and having an accident with the motor running.
- Take care with hot parts, particularly the brake discs if you have been driving your eScooter recently. Let them cool down first.

## Operations and frequency

Zone	What to do	Frequency
Painted parts	Clean with shine restorer.	Monthly
Rubber parts	Clean with special rubber protection products.	Monthly
Aluminium parts	Clean with protective spray to prevent rusting. Remove any rust on the aluminium carefully with steel wool and soap.	Weekly
Metal parts	Use oil to clean and grease the metal parts.	Monthly
Saddle	Clean with a soft sponge to remove any insects or grime.	Every day used
Instrument panel	Clean off hardened dirt with a soft sponge.	As needed
Tyres	Make sure that the pressure is as indicated in section »» <b>page 42, Technical specifications.</b>	Weekly
Lights	Clean off hardened dirt with a soft sponge.	As needed
Screen	Clean with a soft sponge to remove insects or grime.	Every day used

## eScooter conservation

### Cleaning and storage (guide for storing the vehicle)

#### Cleaning

Clean the eScooter as indicated in the previous sections. As with any vehicle, the eScooter must be cleaned regularly to keep it in good condition.

It is the user's responsibility to properly protect the eScooter from aggressive contaminants in the air and the effects of salt on the roads.

#### ⚠ CAUTION

- Do not clean the battery with a lot of water or a high-pressure washer.
- Never use harsh detergents on the eScooter.
- Try to find gentle cleaning products for the vehicle that are environmentally friendly.
- When you dry your eScooter, always use a clean cloth. Dirty cloths can scratch the flat, shiny surfaces and clean ones will reduce scratching.
- Never use rough cloths or sponges.

#### Storage

If you won't be using your eScooter for a long period of time, read and follow these procedures:

- Clean the eScooter and let it dry **fully** before putting it away. Any water or dampness could cause problems in the electronic components.
- Put the eScooter up on its central **stand**.
- Check the eScooter to make sure there haven't been any problems in the past.
- A **cover** will protect your eScooter from the elements and is a good investment.
- Put some type of **protection** on the floor to protect it from any drips and prevent damage.

## Warranty

### Delivery to the buyer

VIN (vehicle identification number)	
Full name .....	Delivery date
Street .....	
City .....	
Postcode .....	Distributor Number
Country .....	
Phone / Mobile .....	
e-mail .....	

**Fig. 36** Important documentation

This document serves as a basis for processing warranty requests.

#### Note

**Warranty requests cannot be processed if documents have not been completed or are incomplete.**

### Warranty conditions (grounds for the warranty being voided)

The vehicle has a 2 year design and manufacturing warranty counted from the delivery and reception date.

Natural wear due to use of wear parts, such as tires, brake discs, brake pads, is not included in the warranty. The manufacturer and the designated garage will decide which defective parts will be replaced or repaired.

There is **NO** right to the warranty if:

- If the fault is related to maintenance or a repair made outside the Official SEAT service network.
- The vehicle has been modified or changed in any way, or fitted with parts that do not form part of the vehicle's equipment and are expressly certified by the manufacturer, if the fault is related to the modification in question.
- The vehicle has been used in a sports competition.
- The usage, maintenance and service instructions established in this manual have not been followed.



### **WARNING**

- **Regular use:** At least once a week, for at least 10 hours.
- **Without regular use:** The eScooter should be fully charged before it is left parked for more than one week.

**The battery must be charged completely once every 30 days to keep the warranty valid.**

Any agreements that differ from the warranty conditions above must be confirmed in writing by the manufacturer.

## Inspection work

### eScooter and battery

The eScooter must pass a series of periodic inspections, based on the kilometres travelled or at least once a year (if the eScooter has not been driven the kilometres necessary to trigger an inspection within the past year).

The same is true of the battery packs, which have their own inspection points. For batteries purchased with the eScooter, the inspections will be the same as the eScooter and must be passed at the same time.

The stipulated mileage (km) for both the **eScooter and battery** to be serviced is automatically indicated on the eScooter's display (the display will show a spanner symbol to indicate that the eScooter's number of kilometres mean that an inspection is due), as follows:

- first service at 1,000 miles (1,500 km) or 3 months,
- second service at 3,000 miles (5,000 km),
- third at 6,000 miles (10,000 km)

- and the next services every 3,000 miles (5,000 km).

Inspections of the **eScooter** must be done within one year of the previous inspection (**at least one per year**).

Information on what to inspect is provided in the corresponding manual/maintenance plans, for the eScooter and for the battery.

## Technical data

### eScooter identification

#### VIN number

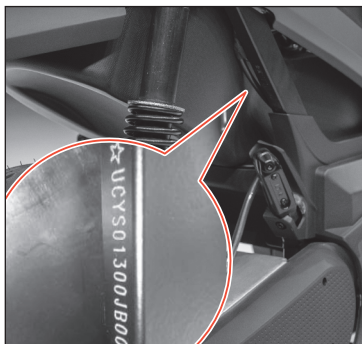


Fig. 37 VIN number

The VIN number is an alphanumeric code with 17 digits that identifies your eScooter. The VIN number is established according to ISO standards. **The VIN number must be given when ordering replacement parts.**

The VIN is engraved directly on the frame, on the bar of the rear square section on the right hand side »» Fig. 37.

#### Information tag - production plate

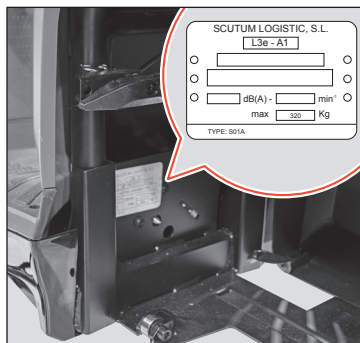


Fig. 38 Information tag

The eScooter has a tag with the chassis number, maximum permitted noise, maximum mass and revolutions per minute.

The tag is on the rear left hand side, opposite the number engraved on the chassis »» Fig. 38.

## Technical specifications

### eScooter specifications (eScooter + motor part)

CHASSIS	
Construction	Steel tubes
MAIN MEASUREMENTS	
Total length (mm)	2,026
Total width (mm)	722
Total height (mm)	1,093
Wheelbase (mm)	1,427
Seat height (mm)	780
MASSES	
MAM: Maximum Authorised Mass (kg)	320
MAM front axle (kg)	102
MAM rear axle (kg)	218
Weight of eScooter with battery (kg)	152
Weight of eScooter without battery (kg)	111
Battery weight (kg)	41

FRONT WHEEL ASSEMBLY	
FRONT WHEEL	
Front rim	15"
Front tyre	120/70-15
Front tyre pressure - solo / with passenger (bar)	1.8 / 2.2
FRONT BRAKE	
Type	Disc (hydraulic, combined)
Diameter (mm)	260
FRONT SUSPENSIONS	
Type	Conventional hydraulic telescopic fork
Travel (mm)	80

REAR WHEEL ASSEMBLY	
REAR WHEEL	
Rear rim	14"
Rear tyre	140/70-14
Rear tyre pressure - solo / with passenger (bar)	2.0 / 2.3
REAR BRAKE	
Type	Disc (hydraulic, combined) + Regenerative
Diameter (mm)	240
REAR SUSPENSION	
Type	Single side shock absorber
Travel (mm)	100

**POWERTRAIN****MOTOR**

Type	Brushless, on the wheel. Reversible: regenerative motor brake. Reverse gear.
Nominal power (kW)	7
Peak power (kW)	9
Maximum speed of the eScooter	59 mph (95 km/h)
Ratio power/mass (kW/kg)	0.046

**ENERGY EFFICIENCY**

Energy consumption (Wh/km)	70
Environmental regulations	Euro 5
Range (BP 5.6 kWh)	85 miles (137 km)

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## Safe driving

### Load

The rear top case (if mounted) and the carry hook have a 3 kg load limit.

## Checks before driving

### Tyres

#### Rear tyre

It is very important to respect the rear tyre pressure, as the motor is hosted inside the rear wheel.

## Controls and driving the eScooter

### Anti-theft mechanism

#### ⚠ WARNING

The motor brake is activated as an anti-theft mechanism, locking the rear wheel if movement of the eScooter is detected with no key in the ignition (and it has not been unlocked from the APP), with the battery installed (according to the version).

### Regenerative brake

In some versions, the "CITY" mode will have a reduced regenerative brake efficiency when compared to other modes or no regenerative brake. In the latter case, the regenerative brake will have full efficiency in the "SPORT" and "ECO" modes when the levers are pressed or a reduced efficiency when the driver stops accelerating.

## Battery

### Removing the Battery Pack



**Fig. 1** Left side of the eScooter: safety latch

#### Safety latch

For greater safety, some versions of the eScooter feature a latch that prevents the battery from being removed.

This latch consists of a cylinder that blocks the battery from being removed; it is fitted in front of the front wheel and protected by a rubber cover:

- To operate it, lift the rubber cover and press it inwards.
- To release it, use the key.

## Best battery maintenance practices

The battery's useful life can be lengthened by performing the maintenance indicated in the warranty and following a series of best practices:

- Avoid using the SPORT mode excessively, trying to use the CITY mode as much as possible. This will prevent aggressive driving, with continued sudden accelerations.
- Do not fully drain the battery and charge the battery when the charge level is around 25%. This will prevent the battery from going through full charging cycles, by limiting the depth of discharge.
- Keep the battery at a temperature of 20–30°C (making sure that the battery is outside this range for as little time as possible). When these temperatures are exceeded (either above or below), the battery deteriorates at a faster speed, losing its properties.

## Battery specifications

Modes	Eco	City	Sport
Maximum driving distance	82 miles (133 km)	64 miles (104 km)	50 miles (82 km)

## Inspection

### eScooter and battery

The **eScooter** must be inspected no later than one year after the last inspection (**at least one per year, the first being carried out 3 months after purchase**).

## Technical specifications

### Specifications of the eScooter

#### REAR WHEEL ASSEMBLY

##### REAR SUSPENSION

Type	Single side shock absorber (adjustable, 3 positions)
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#### POWERTRAIN

##### ENERGY EFFICIENCY

Range (BP 5.6 kWh)	82 miles (133 km)
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