# Rascal Vecta Sport Scooter

## Owner's Manual & Service Record

RASCAL MOBILITY

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Rascal Vecta Sport

Electric Mobility Euro Ltd has designed this powerful, durable, medium range, road-capable scooter for comfort during outdoor use. The Vecta Sport scooter is of fixed frame construction and not designed to be fully dismantled for transportation, however it is compact enough to fit into some larger cars, MPVs and vans. Provided that your scooter is maintained and operated in accordance with this manual it should last for many years, and provide you with freedom and independence.

Please read this manual thoroughly before using this scooter. If you have any doubts about warnings or instructions, ask your dealer for an explanation. If at any time you feel you may not be able to control your scooter safely, do not drive it, and consult your dealer for a solution. If you think the scooter may be damaged, do not drive it and contact your dealer for advice.

We suggest that you keep this owner's manual in a safe place as it contains essential safety, operation and maintenance information for this scooter.

**Notice**

All Electric Mobility Vehicles are sold through authorised dealers. Make sure your dealer demonstrates all the features of the product prior to, or when, it is delivered.

**Warning!**

This manual contains important safety notices. Please take time to read and understand them. Ignoring them may endanger you or others.

# Contents

# Dealer Information

**This is your contact number for service and support**
Dealer Stamp

Telephone:
Email:

Product Model Number

Serial Number

Date of Purchase

Owner

For product information see serial number plate on the seat post under the seat.

ELECTRIC MOBILITY

**Manufacturer:** Electric Mobility Euro Limited
Canal Way, Ilminster, Somerset TA19 9DL
Company Registration in England No. 2419231

# Features and Layout

Photo shows the Rascal Vecta Sport scooter.
See the technical specification for full details.

**1.** Rear view mirrors

**2.** Emergency disc braking system

**3.** Finger control lever

**4.** USB accessory socket outlet


**5.** Handy storage compartment

**6.** Tiller adjustment

**7.** Front and rear adjustable suspension


**8.** Fold down lever adjustable backrest

**9.** Fold up / adjustable armrests

**10.** Charging point


**11.** Freewheel lever

**12.** Integrated battery enclosure

**13.** Pneumatic tubeless run-flat tyres on alloy rims

**14.** High power LED lighting all round

# Safety Information

**Read this manual thoroughly before driving or operating the vehicle.**

If you have any doubt about the content of this manual phone your dealer to resolve the problem. Please read this manual, and ensure your scooter is serviced regularly.

Within this manual there are important safety notices. They are clearly marked with the sign (left) Make sure that you understand all these notices. If you have any doubt, contact your dealer.

**Book symbol**: This symbol appears on the product. Please read this product manual before assembling or operating the scooter.

**Pinchpoint symbol**: Wherever you see this sign there is a nearby risk of injury owing to a pinch or crushing point.

**Tip symbol**: This sign indicates advice on how to get the most from your scooter.



# Intended use of the vehicle

The Rascal Vecta Sport scooter is designed for use by adults with a disability (up to the maximum recommended weight - see Technical Specification Sheet) whom require a robust, comfortable scooter that is ideal for shopping and other visits. The Rascal Vecta Sport is a medium range 8mph scooter which is suited for travel on public roads when this is required. When driven on pavements and other pedestrian areas, your scooter should be set on the low preset speed setting (max 4 mph - see controls section of this manual). The Rascal Vecta Sport scooter has lighting to enable it to operate in the dark. The Vecta Sport scooter is intended for use on pavements, roads and other hard surfaces. The Vecta Sport can mount kerbs and obstacles up to the height specified in the Technical Specification Sheet but high kerbs should be avoided.

Users could endanger themselves and or others if they are not capable of driving the scooter safely. Dealers will advise on the most suitable vehicle from the Electric Mobility range, but it is the user's responsibility to ensure that they have the manual dexterity to drive the vehicle, adequate sight and hearing to perceive danger in time, and can at all times operate the scooter safely in the expected conditions. If in doubt we suggest you consult a healthcare professional and your nearest dealer for advice on the most suitable scooter for your particular condition. Users should also regularly assess their ability to operate their vehicle safely.

The Rascal Vecta Sport scooter should not be used on slippery surfaces such as grass.

# Safety Information

## General Warnings

**Warning:** The operation of scooters can endanger the life of the driver or third parties. Any driver should always be fully capable of operating this vehicle safely.

**Warning:** Sitting for long periods may increase the chance of thromboses or pressure sores. Users prone to such conditions are advised to take medical advice.

**Warning:** The Rascal Vecta Sport scooter has been designed and tested for drivers with weights up to those in the Technical Specification Sheets. These weights should never be exceeded.

**Warning:** Do not exceed the specification; do not modify this scooter or use it other than as a scooter.

**Warning:** Passengers, including children, should never be carried.

**Warning:** Electromagnetic interference may affect the driving of this scooter:
• Do not operate devices such as CB radios or mobile phones while the vehicle is switched on.
• Avoid getting close to transmitter masts, such as television and radio stations.
If your vehicle ever starts to operate by itself switch it off and report this to your Dealer.

**Warning:** The operation of any scooter may affect sensitive electronic circuits such as alarm systems or automatic doors in shops.

## Driving

**Before driving, refer to "Driving Your Vehicle" … later in this manual**

**Warning: Ambient Operating Temperature Range.** Do not use your scooter in temperatures outside the range stated in the specifications section of this manual. Driving in very hot or very cold conditions can make driving more hazardous.

**Warning: Freewheel Device/Mode.** Before getting on your scooter always check that the freewheel lever is in the Drive position. When the freewheel lever is in the freewheel position, the main brakes on your scooter will not function. Extra care should be taken with your scooter when it is in freewheel mode as it could move without warning. You must never sit on or try to ride your scooter when it is in freewheel mode as serious injury or death may result. **NEVER SIT ON THE SCOOTER WHEN IN FREEWHEEL MODE.**

**Warning: Transferring On and Off.** Do not attempt to get on or off your scooter unless it is switched off, at rest, and on a stable, level surface. Never get on or off on a hill.

**Warning: Damage.** Before driving off, check the scooter for damage, particularly that which could affect the controls, wheels, freewheel function and/or drive motor.

**Warning: Footrest.** Before switching on the scooter, always make sure that your feet are safely on the footrest areas. If you drive forward with your feet still on the ground, they could become trapped under the scooter and serious injury may result.

**Warning: Armrests.** Do not use the armrests as a support for your entire weight when getting in or out of the scooter. Make sure the armrests are lowered and secure before you start off otherwise you may fall out.

**Warning: Entanglement.** Do not wear clothing or carry items on the scooter that could become entangled in wheels or other moving parts whilst operating the scooter. Severe injury may result.

**Warning: Battery Charge Level.** Before driving off, always check the battery indicator. If you are in any doubt, ensure all the batteries are fully charged before starting on a journey. **DO NOT** operate the scooter with depleted batteries.

**Warning: Castoring.** Be aware that, if you set off when the front wheels are not straight, the initial movement could be partially sideways.

**Warning: Power.** Unless there is an emergency, do not switch the power off when moving. The Scooter may stop very suddenly. Release the forward / reverse control and the scooter will come to a controlled stop.

**Warning: Slopes.** On steep slopes the scooter could topple over. Always try to avoid crossing a slope. If you have to cross a slope, take great care to avoid tipping. Never make sharp turns on slopes. Never drive on slippery or icy slopes. - If you are not comfortable with the hill gradient, consider an alternative route. See “Driving Your Vehicle” – Hazards for more advice.

**Warning: Kerbs.** You should always try to avoid driving up or down kerbs as this may cause the scooter to topple. Use access ramps wherever possible. Never attempt to climb or descend kerbs greater than that noted in the Technical Specification. If you have to climb or descend a low kerb, always tackle it straight on. See “Driving Your Vehicle” – Hazards for more advice.

**Warning: Speed.** Turning at maximum speed might cause the scooter to topple over. Always slow down for turns. Always slow down when amongst pedestrians and ensure you do not run into them.

**Warning: Stopping.** If the scooter stops suddenly when turning, it might topple. Try not to brake when turning. Always take particular care when turning. The stopping distances on slopes can be significantly greater than on level ground.

**Warning: Reversing.** Always take particular care when reversing the scooter as injury to other people may occur if safe distances are not maintained.

**Warning: Leaning Over.** Do not lean sideways, as this could cause the scooter to topple.

**Warning: Escalators.** Never drive the scooter onto an escalator as this could cause the scooter to topple and result in severe injury.

**Warning: Roads.** In the United Kingdom, Mobility scooters are not permitted on dual carriageways without an additional amber warning beacon being fitted. Never take your scooter on a Motorway. For more information please refer to the Highway code.

**Warning: Driving in Poor Visibility.** Scooters are not easily seen. Always turn your lights on in poor visibility or when travelling on roads. Consider wearing a high visibility jacket to warn others of your presence.

**Warning: Carrying Items.** Do not carry or attach anything to the handlebars or controls as this could affect the driving safety.

**Warning: Hot Surfaces.** If the scooter is left out in the sun, surfaces could become extremely hot. Always try to park the vehicle in the shade.

**Warning: Seats in Vehicles.** This scooter is not suitable for use as a seat for an occupant when in a motor vehicle.

**Warning: Punctures.** Should you experience a punctured tyre, you may continue to drive at half speed for up to 25 miles. This is a unique feature of the Vecta Sport as it features run-flat tubeless tyres. The tyres fitted to your scooter are not user-serviceable and should be repaired by your dealer as soon as possible following a puncture or replaced if excessively worn or seriously damaged.

# Controls


Before driving your vehicle it is important to familiarise yourself with the controls. Do not attempt to drive the vehicle before reading the rest of this Owner's Manual.

**Dashboard Description**

**1. Battery Indicator:** This indicator shows the level of charge in the batteries. When the needle is in the green zone, the batteries are fully serviceable (adequately charged). If the needle is near the end of the left side of the green zone, or if the red LED (3) flashes a single flash slowly then the battery needs recharging.

Note: When the vehicle is climbing a steep incline or starting off, the level may drop momentarily; this is normal.

**2. Speed Control:** This controls the preset top speed of your scooter. When the adjustment ring is turned fully anticlockwise, this is the slowest speed setting, marked by a tortoise. As the ring is turned to the right the speed will increase to a maximum, marked by a hare. Set the speed before you move off. Do not adjust the speed control when the vehicle is moving.

**3. Power On Indicator:** When the ignition key is inserted into the scooter and turned to the "on" or "I" position, the red LED will illuminate after performing a self-check at power up. Do not attempt to dive the scooter until the red LED is constantly illuminated signalling that the scooter is ready. If you do not follow this procedure then it will be necessary to turn the key to the off position (0) and back to On (I) to restart the check procedure

**Tip:** *If the red LED (3) flashes continuously or in a repeated pattern then there may be a fault. A key to these fault codes can be found in the "Scooter diagnostic functions" section of this manual.*
*A common "fault" is that the scooter has been left in freewheel mode. This will be shown by the LED (3) symbol flashing 9 times in a sequence then a pause and repeated again. Turn the key to the "0" or off position, disengage the free-wheel mode and turn the key back to the on or "I" position. If the red LED (3) flashes once every 5 seconds then the controller has entered Sleep Mode. To reactivate the scooter, the On/Off key will need to be turned to the 'Off' position and then back to the 'On' position.*

**4. Horn:** Press the button and the horn will sound, if power is on. Release and the horn will cease.

**5. Ignition Key:** Remember to remove the key **when not in use.** Do not leave the ignition on when not in use, especially when charging the vehicle (see "dashboard description, item 12) **Note:** You may need to press the ignition key gently inwards before it will allow itself to be turned.

**6. Finger control:** To operate, turn on the ignition. Pull the right hand lever towards you and the machine moves forward. The more you pull the lever the faster the scooter goes. To brake, release the lever. Again the faster the lever is released the quicker you will stop. To reverse, pull the left lever towards you. Do not pull both levers at once. Note: The controls can be changed for customers with a left-hand bias. Please contact your local dealer for information.

**7. Lighting control:** To switch on the scooter front and rear lighting actuate the lighting switch once, (the switch will illuminate) to turn it off, actuate the switch a second time. (The switch will cease to illuminate)

**8. Hazard lights:** In an emergency or during a break-down, the hazard lights should be switched on. Actuate the hazard light switch once to switch on - All turn indicators will flash together. Actuate the button for a second time to switch the hazard lights off. (– In the on mode the switch will illuminate)

**9. Indicator (left and right turn):** Pressing the rocker switch on the left side will turn on the left indicators and on the right side will turn on the right indicators. By putting the switch in the mid position, all indicators will be switched off.

**10. Half speed switch:** When travelling in pedestrian areas (not on the road) this switch can be pressed to limit the maximum scooter speed to 50% of the value pre-selected by the speed control (2) knob. This means that the scooter will not be able to travel at more than 4mph. To turn this function off, press the switch for a second time.

**11. Tiller charge point:** – Located on the upper right rear of the tiller. The scooter charger is connected to **this socket to recharge once the batteries become exhausted.** ( See "Battery Charging" section of this manual)

**12. USB Accessory socket outlet:** The Rascal Vecta Sport is equipped with a back-lit USB accessory outlet that can provide power for charging phones, tablet computers etc. This outlet provides 5 Volts DC at a maximum current of 3 Amperes. Make sure your accessory does not exceed the current available

**To use the outlet:** Open the weather cap and insert the USB plug used for powering/charging your particular device. (Fig.3) When not in use, remove your USB lead and accessory and replace the cap on the socket outlet.

**Tip:** *The USB socket is ready for use once the blue backlight is visible* (Fig.4). *If for any reason the vehicle charge drops too low, the socket will turn to a red backlit colour. In this state the USB outlet will not function. (This is to preserve vehicle power in case of very low charge levels).*



**Warning!** Never connect a device to the USB socket with a current rating of more than 3 Amps as this may cause the system fuse to operate.

**13. Tiller Adjustment lever:** This lever allows the tiller to be moved and locked in a comfortable position for the user.

**14. Emergency Brake Lever:** Located on the delta handlebar assembly See “Braking” section for details

**15. Emergency Brake lever latch pin: Located on the upper side of the emergency brake lever See “Braking” section for details**

**16. Battery cut-out:** Your scooter is equipped with a battery cut-out (Fig.5) that is designed to operate in the unlikely event of an electrical or electromechanical overload and is located beneath the rear edge of the seat on the upper / battery cover.

If this activates, all power will be cut from the batteries to the scooter. This device can be re-set by pressing the button shown in the illustration. Should it activate for a second time please seek advice from your dealer


# Freewheel Device

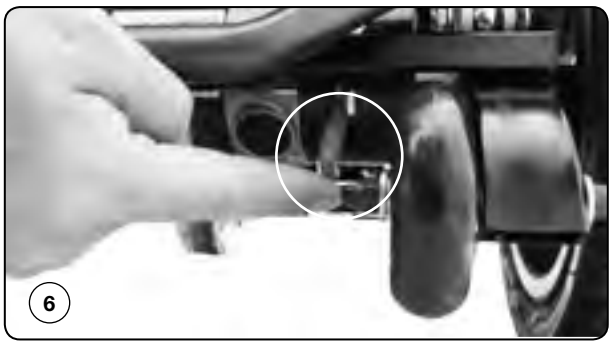
When the vehicle is switched off the brakes are automatically engaged. This is called “Failsafe Braking”. Also, if the batteries are flat, the brakes are applied. There may be occasions where you may wish to move the vehicle without power. To do this there is a Freewheel device fitted.

The Freewheel device allows the vehicle to be pushed without power. To activate, first locate the lever. When standing behind the scooter, it is located on the right hand side of the rear of the vehicle (Fig.6).

- Make sure the On/Off (ignition) key is in the off position.
- When standing at the back of the scooter, move the lever **UP** towards you (see label) - the vehicle can now be pushed in Freewheel.
- Move the lever **DOWN** (away from you) to engage drive. The vehicle is now braked. This is the normal operating position.
- **IF YOU ARE NOT COMPLETELY SURE OF THIS FEATURE CONTACT YOUR DEALER BEFORE OPERATING THE SCOOTER.**

**Note:** To avoid excessive strain on the tiller / handlebar assembly, never push or pull the scooter in freewheel mode if a user is on-board.

**Warning!** If the freewheel device is in “freewheel” mode, the braking is disabled. Never select the freewheel mode if the Scooter is on a slope or could be pushed onto a slope.



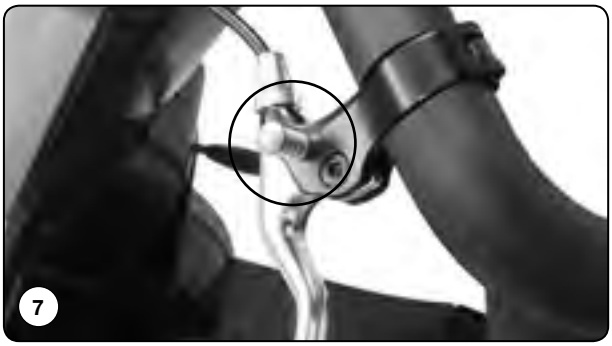

# Brakes

There are 3 braking systems. The first works with the finger controls. When the finger control is released the scooter will automatically brake and bring the scooter to a stop. When the scooter stops the automatic parking brake will engage. This will stop the vehicle rolling forward or backward. When you start the brake will automatically disengage.

If the battery should go flat the brakes automatically engage. Note that even when freewheel is selected, a secondary regenerative braking system is applied automatically to limit the maximum speed. You may notice this system causing drag when moving the scooter in freewheel mode.

The third braking system is a mechanical disc brake that can be used in emergencies. This braking system is controlled by pulling/compressing the lever on the handle bars (see Part (14) on the Dashboard Controls description). The more pressure you apply to the lever the heavier the braking effect will be.

**Tip:** *If you wish to lock this braking system on permanently to act as a supplementary parking brake, you may do this by first pulling/compressing the lever and then by pushing down on the latch pin. (see part (15) in the dashboard overview) Release the lever and the brake will stay engaged. (Fig.7). Remember to always disengage the locking latch before use by compressing the lever fully. The latch pin will automatically disengage.*




**Warning!** Do not use the brake for normal driving and never engage the lever locking pin unless the scooter is stationery.

**Warning!** Never attempt to disassemble or adjust the braking system. Any maintenance must be carried out by your authorised dealer.

## Armrest adjustment

When preparing to sit on the scooter, first lift one armrest to enable easy access (Fig.8). When riding always have the armrest in the down position. Avoid pinching fingers as you lower the armrest. If you require more room in the width of the seat, undo the knobs at the rear of the seat (Fig.9). Slide the armrests in or out to suit. Tighten both knobs to lock the armrest width adjustment in place.

To ensure that the user is sitting centrally, the armrests should always be adjusted to be equidistant from the centre of the seat.

The angle of each armrest can also be adjusted. To do this, locate the arm angle adjustment screws one (Fig.10). Raise or lower each arm to the desired angle and adjust the bolt and lock-nut to hold the setting permanently. As this procure requires tools it is suggested that your dealer should make these adjustments for you. There is a pinching injury risk when performing this procedure.




**Warning!** Never drive with the armrest up or with the armrest knob loose.

# Seat back angle adjustment

The seat back angle can be adjusted by:
**1. Sitting very gently against the back rest** and pulling the lever (see Fig.11). The seat back will unlock.
**2. Angle your back to the desired position and then release the lever.** The seat back will lock in the new position.

**Tip:** *If you wish to flatten the seat for storage, use the same lever whilst standing next to the scooter and gripping the seat-back with the other hand. Pull the lever and fold the seat forwards.*


**Warning!** Make sure you are ready for the seat back to release as you could topple backwards a little if taken by surprise!

# Swivel seat

This allows easy access
**1. To operate**, locate the release lever under the seat (Fig.12).
**2. Pull the lever up** and the seat will release allowing it to rotate.
**3. Release the lever** and the seat should lock automatically, but always check it has.


**Warning!** Do not use this device if the vehicle is on a slope. Always check the seat is locked in the forward position before driving the vehicle.

# Seat position adjustment

The distance between the seat and the tiller can be adjusted for optimum comfort/legroom. To do this:
**1. Sit on the scooter** and pull the seat position / slider adjustment lever upwards (Fig.13). This will allow the seat to slide back and forth.
**2. Using your body mass, slide the seat** into a comfortable position.
**3. Release the lever.** The seat will now be locked in your preferred position.


# Tiller Folding

The tiller can be folded down for transportation and storage. Take care when lowering the tiller not to pinch your fingers.
**1. Push the tiller release lever downwards** as shown - this will allow the tiller to be put in the desired position (Fig.14).
**2. Lower the tiller** so that it is in its lowest position (Fig.15).
**3. Release the tiller lever** and the tiller will be set in that position.

**Tip:** *The tiller can be adjusted in the same way to achieve a comfortable driving position.*



**Warning!** Before driving, always check that the tiller is securely in the upright driving position. Safe steering may be impossible if you do not !

# Transferring In And Out Of The Scooter

If you feel at all uncertain about getting in or out of the scooter seek assistance.

**Transferring into the Scooter from the Front**
**Before getting in:**
**1. Make sure that the scooter is on a level surface,** and it is not in Freewheel mode.
**2. Make sure the brakes are engaged** - try to push the scooter a little to verify that the brakes are working.
**3. Ensure that the ignition key is turned off.** (The red LED on the dashboard will not be lit or flashing)
**4. Ensure that the handlebar/tiller adjustment and seat adjustments are fully tightened** and that any accessories are properly fitted and secured.
**5. The seat should be facing forwards.**
**6. Adjust the handlebars/tiller** so that the front wheels are facing forward.
**7. Raise one armrest to make access easy.** (Fig.16)


**You are now ready to get in:**
• Approach the seat from the side and step on to the footrest area of the scooter. You should now be standing on the scooter platform facing forwards and with the seat behind you. With your back to the seat, you can steady yourself using the other armrest and then lower yourself gently into the seat.
• Now lower the armrest back into position.

**Getting out of the Scooter:**
• Before getting out of the scooter, be sure that it is on a level surface and the power key is switched to the off position. - If you feel uncertain about getting out, seek assistance. Move the handlebar/tiller so that the front wheels are facing directly forwards.
• Raise one armrest.
• Raise yourself out of the seat to a standing position using the armrest to provide you with additional stability if required. (Do not put your full weight on the armrests).

**Tip:** *You may find it easier to swivel the seat to get in and out of the scooter. If so please refer to "Swivel Seat" section of the manual. Using this method, you can stabilise yourself using both armrests.*

# Operation

Before using the scooter you should make sure that:
• The battery is fully charged. (The battery level indicator will be in the green zone to the right extreme of the gauge)
• There is no sign of damage to the scooter. All adjustment thumb-wheels are fully tightened.
• All accessories are properly attached.
• That you are capable of controlling the scooter at all times.

**Kerbs and Obstacles:** Try to avoid taking the scooter over obstacles or kerbs. Tackle obstacles head on.

**Bad Weather:** We suggest that it is better to stay at home in bad weather. Remember that you can become wet and cold. Suitable clothes should always be worn. A high visibility jacket should be considered if you are in poor visibility conditions or intending to drive on the road. Remember not to use the scooter in poor light or darkness.

# Driving the Vehicle

**Warning! Read this before driving the vehicle!** Whether or not this is your first mobility vehicle, please read these guidelines as all vehicles differ. Failure to do this may cause damage to you, a third party or the vehicle.

**1. Before you set out,** do check the weather forecast. We suggest that you make sure you are wearing suitable clothing, whether your journey is long or short.

**2. Range.** Your scooter has a limited range. Always ensure that your planned journey does not exceed the maximum range in the Technical Specification Sheet and that your battery is fully charged.

**3. If you are taking medication** check with your doctor or physician that your ability to control the vehicle will not be impaired and do not drink alcohol and drive.

**4. Only use the vehicle for the purpose its intended for.** Do not drive through water or on slippery surfaces; do not transport more than one person; do not tow other vehicles or carry excess weight.

**5. Check that the freewheel lever is not in the freewheel position / mode.**

**6. Check the battery charger is disconnected.**

**7. Check that you are properly seated.**

**8. Check the backrest is upright / correctly adjusted and locked in position.**

**9. Check that none of the items in your storage compartment are likely to fall out or become entangled in the scooter wheels or other mechanisms.**

**10. Ensure your feet are securely on the footrest areas.**

**11. Check you have adjusted the seat as instructed in this manual.**

**12. Make sure the way ahead is clear.**

**13. Switch on the power.** Check the battery level indicator is showing a high charge level.

**14. Speed Control.** Set the speed control to a low setting.

**15. Gently actuate the finger controls (either forward or reverse) and steer in the direction required.** The vehicle will now move off. The further you push the paddle (either forward or reverse) the faster the vehicle will go.

**16. To brake, return the finger controls to the starting/neutral position. If you become unsure or feel unsafe release the paddles immediately.** Note: Never push or pull both finger controls at the same time as you may damage your scooter's control system and cause it to behave erratically.

**17. As you get accustomed to the power you can increase the speed.**

**18. Switch off when not in use.** To conserve your batteries and prevent the vehicle accidentally moving, always switch off the power when your Scooter is not in use. (On/Off or ignition key).

**Tip:** *If you do leave your scooter switched on for a prolonged period of time without using it, it will enter a sleep mode to conserve power. To reactivate the scooter, the On/Off key will need to be turned to the "Off" position and then back to the "On" position.*

# Driving the Vehicle - hazards

**Warning!** Before driving the scooter you should be aware that, under certain circumstances it could become unstable and tip over. Your scooter has been designed to operate on hard, even surfaces and should not be used on very rough or rutted terrain. Do not exceed the maximum safe slope recorded in the Technical Specifications.

**1. Getting on and off the vehicle:** When getting on make sure that the vehicle is on level ground, and not in freewheel mode. Ensure that the armrests are secure. When getting off, park on level ground, turn off the ignition and remove the key before leaving your seat. Make sure you get off the vehicle in a safe area.

**2. Tiller Position:** Drive with the tiller in an upright position that feels comfortable with the controls in easy reach.

**3. Kerbs and Obstacles:** Try to avoid kerbs and obstacles. Never ride up or down kerbs or obstructions higher than that in the Technical Specification Sheets. Always tackle obstacles head on. Use ramps wherever possible and ensure that all wheels will fit on the ramp. Always try to avoid crossing a slope. If you have to cross a slope, take great care to avoid tipping. Never make sharp turns on slopes or back down a slope.

**4. Hills & Slopes: Going Up Hill. Lean forward when going up.** Make sure you have enough speed to climb the slope. **Do not stop or turn the vehicle around.** If you have to turn while climbing an incline, keep going until you reach a level area. If you have to start on an incline, lean forward and apply power slowly – do not start and stop. If you are not comfortable about tackling a gradient, consider an alternative route. Note: Always check that the battery level is high; going up hill takes a lot of energy. If the level drops too low the vehicle will cut out leaving you stranded.

**5. Hills & Slopes: Going Down Hill. Lean back in the seat when going down**, and turn the speed control dial to low. If you are not comfortable about tackling a gradient, consider an alternative route. **Try to avoid crossing slopes – always drive straight up or down the slope. NEVER BACK DOWN A SLOPE!**

**6. Terrain:** Do not drive your vehicle across deep, soft or slippery terrain (for example, soft dirt, sand, or loose gravel). You could get stuck. Also avoid rutted, bumpy ground and try to stay on well prepared hard surfaces.

**7. Turning:** Always **slow down** before a turn; turning at speed can cause the scooter to topple. Look in the direction you are travelling – If there is a blind corner sound the horn.

**Tip:** *The Rascal Vecta Sport Scooter is equipped with a sensor that will automatically reduce the scooter speed during potentially dangerous cornering. If you feel power loss during a very tight turn, this is quite normal.*

**8. Turning Circle:** Practice manoeuvring your scooter so you can judge the turning circle. This is important to avoid tipping off kerbs or for negotiating tight spaces.

**9. Bad Weather:** If it is snowing or icy stay at home! Remember that ice, snow and slippery surfaces such as manhole covers, wet grass and drains could affect braking and steering. Use caution at all times.

**10. Tyres:** Your vehicle is fitted with tubeless run-flat pneumatic tyres. Should any of them become seriously damaged they should be replaced by your dealer. Do not attempt to replace them yourself. The Vecta's tyres are designed to be used for a limited distance (not more than 25 Miles) after a puncture has occurred to enable the user to reach their destination. Remember to drive at ½ speed under these conditions. The tyres are designed to be puncture repaired on or off the vehicle minimizing down-time. **NEVER** replace your tyres with non-manufacturer recommended ones.

**11. Pavements:** It is illegal to drive at more than 4 m.p.h. on the pavement. When driving on pavements and in pedestrian areas, make sure you actuate the "tortoise" switch on the dashboard - this will automatically limit the scooter to the maximum legal limit of 4mph. Always slow down in crowded areas and take care not to collide with pedestrians.

**12. Shower Rooms or Washing:** Never take your scooter into a shower or steam room, and never hose or jet-wash it down. Its sensitive electronics could malfunction if they get wet or damp.

**13. Immersion:** Never enter large puddles or areas of water where the depth and/or current is unknown. Immersion or partial immersion of the scooter may damage it and could leave you stranded.

**14. Punctures:** Your Vecta Sport scooter is equipped with run flat tyres. See advice in (10) above.

# Transporting your Scooter

**Warning!** Dismantling the scooter involves lifting and handling heavy parts. Weights are given in the Technical Specification; consider if you need help in handling parts before you try to lift them. Your scooter is not designed for unassisted loading into and out of a car or similar vehicle. Specialist ramps and hoists are available for transferring the scooter into and out of a vehicle. Contact your dealer for advice on how best to transport your scooter in your particular vehicle.

**Warning!** Pinching or Crushing. Be careful to avoid being pinched or having your hands crushed when lifting or handling parts. Wear gloves whenever possible. Special attention should be paid when raising and lowering armrests or rotating/handling the front wheels when dismantling or during re-assembly for transportation in a vehicle.

**Warning!** This scooter is not suitable for use as a seat for an occupant in a motor vehicle.

**Warning!** Do not stand the scooter up on its ends or sides as it may become unstable and topple causing an injury.

To transport your scooter you will need specialist lifting equipment and / or ramps. Your dealer will be able to advise you on the best solution for your particular needs. It is possible to fold the tiller down and either fold the seat forwards or remove it completely for storage or to assist in loading into a vehicle using ramps or a hoist.

**To remove the seat:**
**1. Grasp the seat as shown** (Fig.17), compress the seat swivel lever and lift the seat away from the scooter frame.

**Tip:** *Removing the seat may be easier if you first use the seat swivel function to rotate the seat so it is at 90˚ to the scooter before lifting.*

**To fold the tiller:**
**1. Having first removed the seat, fold the tiller to its lowest position** by actuating the tiller adjustment lever (Fig.18) and then fold down. Release the lever to lock in the down position.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**Warning!** Do not attempt to lift any of the scooter components unless you are capable of doing so. The weight for each component is shown in the Technical Specification (page 27).

**Warning!** Do not attempt to lift the chassis un-assisted - back or other injury may result!

# Assembling your Scooter following Transportation

**Warning!** Assembling the scooter involves lifting and handling heavy parts. Your scooter is not designed for unassisted loading into and out of a car or similar vehicle. Specialist ramps and hoists are available for transferring the scooter into and out of a vehicle. Your dealer should advise you on the best way to assemble your scooter.

**Warning!** Pinching or Crushing. Be careful to avoid being pinched or having your hands crushed when lifting or handling parts. Wear gloves whenever possible.

**Warning!** Never unload your scooter on sloping or uneven ground. It could run down the slope and injure someone.

After removing your scooter from a vehicle and placing it on level ground, check it is undamaged before starting to assemble it as follows:

**1. Push the tiller release lever downwards**, as shown and raise the tiller to your preferred driving position. (Fig.19). Release the tiller lever when the desired position is reached.

**2. Grasp the seat on both sides and insert the seat post into the seat-post tube in the chassis** (Fig.20).

**3. Fold the seat-back into the vertical position** (Fig.21).




Finally check the scooter is not damaged and it is properly assembled, checking that the battery indicator shows the battery is charged, the freewheel lever is in the drive position, the seat is locked in place and the finger controls operate correctly. You are now ready to drive the scooter away.

# Battery Charging

**Warning!** When charging batteries NEVER smoke or charge batteries in a place where there are naked flames such as gas-fired heaters as, under exceptional circumstances, batteries may give off gases that could ignite and explode. If the scooter has been damaged, it is possible that the batteries have been affected. In this case do not charge the scooter and refer to your dealer for assistance. Never charge the scooter outside as the charger is not designed to get wet. If the charger appears damaged in any way do not use it and contact your dealer for a replacement.

**Warning!** Always charge in a dry, well ventilated area.

**Warning!** It is strongly recommended that the mains socket used for charging the scooter is protected by a 30 m/A RCD (residual current device). Many buildings have sockets protected by a system based RCD. If you are in doubt as to the level of protection in your charging location then either purchase a plug in RCD or consult a qualified electrician to verify that your charging location mains sockets are protected.

**Warning!** If batteries are damaged or frozen they could heat up during charging and in an extreme case, explode.

**Warning!** It may be necessary for some carriers such as airlines to physically disconnect the batteries for transit. If this is the case the battery cover can be removed without the use of tools once the seat has been removed. This should only be done by appropriately skilled/ qualified personnel.

**Warning!** When charging batteries NEVER connect or disconnect the charger from the scooter while it is still connected to the mains. - Remove the charger mains plug from the wall socket having first switched the mains socket off if a switch is provided.

**Warning!** Never use a different battery charger to that supplied by your dealer. Damage or injury may occur if you do!

The scooter charging socket is located on the upper right-hand side of the tiller. Rotate the protective cover and push in the charging plug. When the vehicle is charged remove the plug, and reposition the protective cover to keep the water and dust out (Fig.22). The battery charger has a multi-coloured charge status LED This lamp changes colour depending on the status of the charger (Fig.23).

- The LED colours have the following meanings:
- **Flashing red:** Standby or fault – A fault exists if the charger is connected to the mains power and scooter but continues to flash. Standby state exists if the charger is plugged into the mains but not into the scooter charge port.
- **Solid Red:** Charging
- **Solid Green:** Fully charged
- **No Light:** Mains power is not connected to the charger or the charger is faulty.

**Tip:** *Always ensure that the lamp shows green before switching off and disconnecting the charger at the mains.*


## Connection Instructions

When you receive your vehicle the batteries are only partially charged – always fully charge them before use, preferably over-night.

**1. Place your machine in an area that is dry and well ventilated.** Make sure a power point is nearby.

**2. Check the vehicle is switched off and the key removed.**

**3. Check the mains switch is off.** Never connect or disconnect the charger from the scooter with the mains on.

**4. Connect the charger to the charging point on the tiller of the scooter as above.**

**5. Connect the mains plug and switch on.**

**6. The lamp illuminates red when the charger is powered up and charging has started (this lamp will flash red if there is a battery fault or the charging plug has not been properly pushed into the charging socket).** The LED will show green when the scooter batteries are fully charged.

**7. Switch off the mains and remove the charging plug from the scooter charging socket when fully charged.** Do not leave the charger plugged in with the power off. This may gradually discharge your batteries.

The batteries are the lifeblood of your vehicle. Their characteristics can change depending on charging, temperature, usage and other factors. Listed below are guidelines to prolong battery life.

**1. After using your vehicle always charge it at the end of the day** even after a short journey.

**2. If you do not use your vehicle for a prolonged period, place it on charge once a week, overnight.**

**3. Always use the correct charger as supplied with your scooter.**

**4. If the batteries have been flat for a long time** (about 2 months) it is recommended you contact your dealer before charging.

**5. Do not charge the vehicle in the open / out of doors** – it may rain and the battery charger is not waterproof.

**6. Keep the vehicle in a well-ventilated area and away from any naked flame.**

**7. Do not part charge the batteries.** Allow the charger to complete its cycle.

### Notice

Avoid storing your scooter in cold/damp places. This will shorten battery life and may cause deterioration in their structure. Batteries are expensive to replace – it is wise to look after them.

### Notice

All Electric Mobility Vehicles are sold through authorised dealers. Make sure your dealer demonstrates all the features of the product prior to, or when, it is delivered.

**Warning!** Never disconnect a battery or the charger while the charger is connected to the mains.

**Warning!** If one or both batteries are damaged they could heat up when charging and, in an extreme case, explode.

# User Maintenance

It is important for safety that you carry out the following checks before use.

**1. Visually check the vehicle for damage.**
**2. Visually check the tyres for inflation/ damage.**
**3. Check the steering moves freely.**
**4. Check that the tiller is secure and that the tiller thumb-wheel is tight.**
**5. Check that the seat is located correctly.**
**6. Check the armrests are secure**
**7. The battery should be fully charged.**
**8. Check that all lighting functions properly, including indicators, brake, sidelights and front lights.**

**Tip:** *Keep your vehicle clean by using a damp cloth and soapy water – never use a hose or jet wash.*

**Warning! Important – Possible faults** As you get used to your vehicle you will get a feel for how it behaves. If something feels unusual, for instance the vehicle does not accelerate or brake smoothly; the brakes are not holding on a slope or the steering feels different, stop using the scooter, contact your dealer immediately and explain to the engineer exactly what the problem is.

## Storage Conditions

We recommend to store the mobility scooter at a temperature of 15℃ to ensure a long service life of the product and batteries. The allowable temperature range to store the mobility scooter is -40℃ up to 65℃. The allowable temperature range to store batteries is -15℃ up to 40℃.

## Disposal

Contact your dealer for advice before you consider disposing of your scooter. They will be aware of the environmental regulations in force at the time and will assist you to meet the applicable environmental legislation.

# Servicing and Maintenance

**1. This vehicle is designed for minimal maintenance.** It is recommended that your vehicle is serviced at least once a year, by an approved Electric Mobility Dealer. If the vehicle is used constantly we recommend a twice yearly maintenance.

**2. Ensure the engineer stamps the Service Log** (page 31) on completion of all servicing. Keep all receipts for servicing and repairs with this handbook. This may add value when selling the vehicle.

**3. When the vehicle is due for its annual service make sure you report any concerns you have**, preferably when you book the service (See points to look out for below).

**4. On completion of the service, always test the vehicle** before the engineer leaves and make sure you are satisfied with the work carried out.

**Points to look out for:**
• Are there any strange noises from the wheels or does the frame creak when going over rough ground?
• Is the battery charged up correctly – is the “full” charge green light on after charging?
• Is the steering tight or is it loose when turning? Is there excessive play in the steering?
• Are the brakes effective?
• Is there any damage to spigots or parts related to disassembly?
• Has anything come loose?
• Does the vehicle perform as well as it did when it was new?
• Are there noises or rattles that were not there before?
• Are there any signs of damage, corrosion or cracking?

# Scooter Diagnostic Functions

Your Scooter Controller provides diagnostic information in the form of flash codes displayed on the red power LED on the battery gauge. . The LED will flash a given number of flashes and then repeat the sequence after a pause . Upon switching on, the controller conducts a diagnostic test.. This is quite normal. Provided that no fault is detected the LED will then be on constantly. If there is a fault then the LED will continue to flash the pattern corresponding to the numbers below. eg if a repeating pattern of 2 flashes appears, then a motor fault would be expected as per the list below.

| Number of Flashes | Indicated fault and Corrective Action |
|---|---|
| 1 | Battery needs recharging or bad connection with batteries. Check connections, and recharge batteries. |
| 2 | Bad motor connection. Request assistance from dealer who will check all connections between controller and motor. |
| 3 | Short circuit between motor and battery connection. Contact dealer. |
| 4 & 5 | Not used |
| 6 | Key switch or associated circuit interruption. If fault continues contact dealer. |
| 7 | Throttle fault. Finger control levers must be in neutral (centred) position before key is turned on. Switch scooter off, centre levers, and switch back on. If fault persists, contact dealer. |
| 8 | Controller fault. Inform dealer who will check connections & controller. |
| 9 | Scooter left in freewheel or has a bad parking brake connection. Engage drive, and switch scooter of and on. If this fails to cure the problem, check parking brake and ensure it stops the vehicle. Inform dealer who will check brake and motor connections. |
| 10 | Excessive voltage detected at controller. Check battery connections. |

**Tip:** *If in doubt switch off and switch on – if this does not cure the fault contact your dealer. Your dealer is there to help you but they can only do this if you give them as much information as possible. Remember correct information will get the problem fixed quicker and save you money. Phone the dealer and explain exactly what the problem is, recounting as much detail as possible. Tell them about the flash sequence appearing on the LED indicator; this will help the engineer to identify the problem before he calls to fix it. Your dealer is there to help you.*

# Troubleshooting Guide

This table is a guide to fault finding. The fault may be a simple fix. If you have any doubts phone your dealer.

| Symptom | Solution |
|---|---|
| • **Scooter does not move** when power is switched on. | • Batteries flat - check level.<br>• Is the charger connected?<br>• Is Freewheel engaged?<br>• Freewheel has been selected while power is on? Ensure freewheel is not selected; switch off and on again |
| • **Steering is loose or wobbly when driven.** | • Check for tyre damage or punctures<br>• Damaged steering - contact dealer<br>• Loose seat - contact dealer |
| • **Vehicle behaves erratically when driven** or judders or cuts out ? | • Possible electronic problems - contact dealer |
| • **Short Range** | • Check tyres for damage<br>• Check batteries are fully charging<br>• Check vehicle moves easily in Freewheel |

**Tip:** *To save the batteries, the scooter controller has a sleep mode, which is activated if the scooter is not used but left switched on for some time. To reset, switch the scooter off and then on again.*

# Additional Safety Information

## Carrying Weight on the Vehicle

**Handlebars**
Do not carry or attach anything to the handlebars. Anything attached to the handlebars will affect the control of the vehicle.

**Floor Area**
Do not use the floor area to carry things apart from in the under-seat basket. They might fall off, or obstruct your movement.

## Other Precautions

**Modifications**
Unauthorised modifications could result in injury or permanent damage. Such modifications will invalidate any guarantees.

**Other Items**
Only fit approved products or accessories.

## Child Safety

This product is designed to be operated by adults. Children should not be allowed to tamper with the controls or play on the vehicle. **Do not carry children as passengers.** The product is designed for single person use only. Keep all packaging well away from children. They could be harmed.

# Additional Information

**Owners Manual:** Replacement copies are available from: Electric Mobility Euro Ltd. Canal Way, Ilminster, Somerset, TA19 9DL Telephone: 01460 258100.

If you are visually impaired, please contact the Company to discuss your requirements. However, you should not drive a vehicle in a public place if you cannot see well enough to ensure your own, and other's safety. Each vehicle comes with a copy of the BHTA Highway Code. Please make sure you read it. Telephone BHTA on 0207 022 141 for a new copy.

**Important note on the BHTA Highway Code:**
On page 3 of the Code under "Consider Investing in a mobile phone" Read the section of this manual under "Safety Information". If in doubt contact your dealer. For Information regarding other Electric Mobility products contact your dealer or log on to the Electric Mobility Website www.electricmobility.co.uk

# Frequently Asked Questions

**I want to transport my vehicle in a car.**
You may need to use hoists and / or ramps to load and unload your Vecta Sport scooter into and out of a car or similar vehicle. Your dealer can advise you on the correct equipment to be used depending on your vehicle and your physical capabilities. Please remember that the Rascal Vecta Sport scooter is heavy and will require a large car/MPV or van to enable transportation.

**Can I fit weatherproofing such as a canopy ?**
Please contact your dealer to discuss the various options available.

**How long will my batteries last ?**
This is a difficult question as it depends on many factors. The life of a battery depends upon the number of cycles the battery goes through, the peak loads and on the conditions of use. Some general advice about battery care:
• Keep it charged, and do not let the battery run completely flat.
• Ensure the scooter is fully charged at the end of the charging cycle
• Batteries may not perform as well in very cold weather.
• Ask you dealer to test and change your batteries if they have reached the end of their useful life.
Care can prolong the life of the batteries but remember that, in time, all batteries will fail to perform to specification.

**What range can I expect ?**
The generally expected range is recorded in the Technical Specification Sheet. Remember, range can be affected by many things such as:
• Temperature. Cold weather can reduce the output of the batteries.
• Type of terrain. Obviously climbing hills takes more energy than driving on the flat.
• Weight of the person.
• The condition and charge of the batteries.
• Faulty or old batteries or a faulty charger.
NB. Always use the correct charger with the correct batteries and ensure the scooter is fully charged before you start out.

**How long should I keep my vehicle before I change it?**
We estimate a service life of five years for this product (excluding batteries and tyres) provided it is used in strict accordance with the intended use as set out in this document and all maintenance and service requirements are met. The estimated service life can be exceeded if the product is carefully used and properly maintained, and provided technical and scientific advances do not result in technical limitations. The service life can also be considerably reduced by extreme or incorrect usage. The fact that we estimate a service life for this product does not constitute an additional warranty.

It is important that the vehicle you have suits your needs and abilities. Your scooter should serve you well for many years but change it if at any time you feel it no longer meets your needs. Consult your dealer on the condition of your vehicle and remember vehicles of any type become more expensive to maintain the older they get.

# Engineer's Checklist for the Rascal Vecta Sport Scooter

Obtain all comments from the customer on the condition and serviceability of the scooter and then complete an Initial diagnostic road test. Record all defects to be corrected. Now check, test and complete the following:

• Wheel bearings wear and lubricate.
• Wheel alignment and tracking
• Pre-set speed control works correctly
• Wear or damage to tyres and/or wheels
• Bodywork fixtures for damage, or cracking
• Throttle play and adjustment
• Built-in batteries and internal electrical connections for condition and corrosion
• USB power accessory socket is functioning properly and that the dust/moisture cap is present
• Check all cables for damage, abrasion, corrosion and that screening is intact. Replace as necessary
• USB power system – check output
• Lighting - check all lighting works
• Steering bearing (adjust as required)
• Tiller adjustment - functioning, wear and damage
• All assembly spigots and hooks for wear or damage
• Seat mounting for wear or damage
• Seat mechanisms locate and operate correctly and spring lever engages. Lubricate as necessary
• Handlebar alignment
• Check motor and gearbox for unusual noise or vibration; investigate as necessary
• Electromagnetic brake operation – does the scooter slow when the hand control is released?
• Does the brake engage when the scooter is pushed when in freewheel?
• Emergency and regen brake system - Check adjustment and function
• Freewheel operation.
• Frame for damage or cracks.
• General check for corrosion, repair or protect as necessary
• All operational controls work correctly.
• Battery condition and charger operation.
• Tighten all nuts & bolts
• Correct all defects found and determine if the vehicle is roadworthy
• Final road test
• Clean the vehicle
• Customer road test

**Important Note for the Engineer**
Enquire if the customer is satisfied with the product. Please report all points good or bad directly to: Electric Mobility 01460 258100 If you have any comments please include them.

# Technical Information Regarding EMI

**Important Technical Information regarding**

**Electromagnetic Interference (EMI)**
The intensity of interference from electromagnetic energy is measured in volts per meter (v/m), which refers to the strength of the electrical source (voltage) as it relates to the distance away from the object being considered (in meters). Resistance of a scooter/wheelchair to certain EMI intensity is commonly called its “immunity level”. 20 volts/meter is a generally achievable and useful immunity level against interference from radio wave sources (the higher the immunity level, the greater protection).

Your scooter has been tested and found to meet the required immunity level from Electromagnetic Interference (20v/m): the recommended density of interference from electromagnetic energy.

⚠ **Warning!** Even with the immunity level of 20 volts/meter, certain precautions must be followed to ensure your scooter/wheelchair will not be affected by outside electromagnetic sources.

• Do not operate devices such as CB radios or mobile phones while the vehicle is switched on.
• Avoid getting close to transmitter masts, such as television and radio masts.
• Note you may experience interference when close to ambulance or fire stations.
If your vehicle starts to operate by itself switch it off and report this to your Dealer.

# Technical Specification - Rascal Vecta Sport Scooter

| | | |
|---|---|---|
| Wheelchair type Class | Class A, B or C | Class C |
| Department of Transport Class | Class 1 2 or 3 | Class 3 |
| Overall dimensions fully assembled | length x width x height mm (in) | 1320 (52) x 600 (23.6) x 1160 (45.7) |
| Dimensions seat back and tiller folded | length x width x height mm (in) | 1320 (52) x 600 (23.6) x 939 (37)<br>– If bolt not removed then 1117 (44) |
| Maximum carrying capacity | kg (lb) | 160 (355) |
| Lighting | Type | LED – front and rear |
| Mass (weight) including 50 Ah batteries | kg (lbs) | 113 (249.9) |
| Mass (weight) of chassis (heaviest part) with 50 Ah batteries | kg (lbs) | 95 (210.1) |
| Standard battery voltage and capacity | volts and ampere hours | 12V / 50Ah x 2 |
| Type of seat | Captain (enhanced) - swivel, head rest, reclining/folding back & arms with width adjustment and seat- slide function. | |
| Mass (weight) of swivel seat | kg (lbs) | 18 (39.8) |
| Wheel diameter | mm (inch) | 305 (12”) |
| Tyre dimensions | front & rear | 80 / 65-8 |
| Type of tyres | type | Run-flat pneumatic – “Runon tyres”™ |
| Tyre Pressures normal | p.s.i. (bar) | 35 (2.4) |
| Maximum speed | km/h (m.p.h.) | 12.87 (8) |
| Minimum braking distance from maximum speed | m (ft) | 2.2 (7.2) |
| Range* | km (miles) | Up to 44 (27.3) |
| The turn-around width | m (ft) | 1.7 (5.5) |
| Turning diameter | m (ft) | 3.47 (11.38) |
| The maximum safe slope | degrees of slope | 10˚ - Do not exceed the scooter may topple |
| The maximum climbing ability facing upwards | degrees of slope | 10˚ |
| Maximum user weight @ 10˚ uphill | kg (lbs) | 160 (355) |
| Maximum user weight @ 10˚ downhill | kg (lbs) | 160 (355) |
| Ground clearance | mm (in) | 100 (4) |
| Maximum obstacle climbing ability | mm (in) | 100 (4) |
| Maximum safe descendable kerb height | mm (in) | 100 (4) |
| Force to operate Accelerator control | Newtons (lbs) | 2 (0.45) |
| Force to operate Freewheel lever | Newtons (lbs) | 45 (10.1) |
| Force to operate Emergency brake lever | Newtons (lbs) | 60 (13.5) |
| Ambient operating temperature range | °C (°F) | 2 (35.6) to 40 (104) |
| USB Accessory outlet | Voltage & max. current | 5V dc / 3 Amps |

This scooter meets the relevant requirements of ISO 7176:14 2008 *Range on full charge and flat ground. Due to a policy of continual improvement, Electric Mobility Euro Ltd. reserves the right to change specifications without prior notice.

# Notes

# Brochure Request

Do you have a friend or colleague that would be interested in an Electric Mobility product?
If so cut out this coupon and send it to the address shown on the back of the manual.

My Dealer's Company name is:

☐ Please can I have a free no-obligation home demonstration.

☐ Please send me a brochure of the range of products.

My friend's name is:

My friend's address is:

County: Postcode:

My friend's telephone number is:

If you are visually impaired, please contact the Company to discuss your requirements. However, you should not drive a vehicle in a public place if you cannot see well enough to ensure your own, and others safety.

Postage will be paid by: Electric Mobility Euro Ltd., FREEPOST (SWBI 1045), Ilminster, Somerset, TA19 9ZA

**Electric Mobility Euro Ltd.,**
**FREEPOST (SWBI  1045),**
**Ilminster,**
**Somerset,**
**TA19 9ZA**

# Service Log

**Notice for the Service Engineer.**
Please make sure this part is stamped and dated after each service.

**Dealer stamp -** 1st Service

**Dealer stamp -** 2nd Service

**Dealer stamp -** 3rd Service

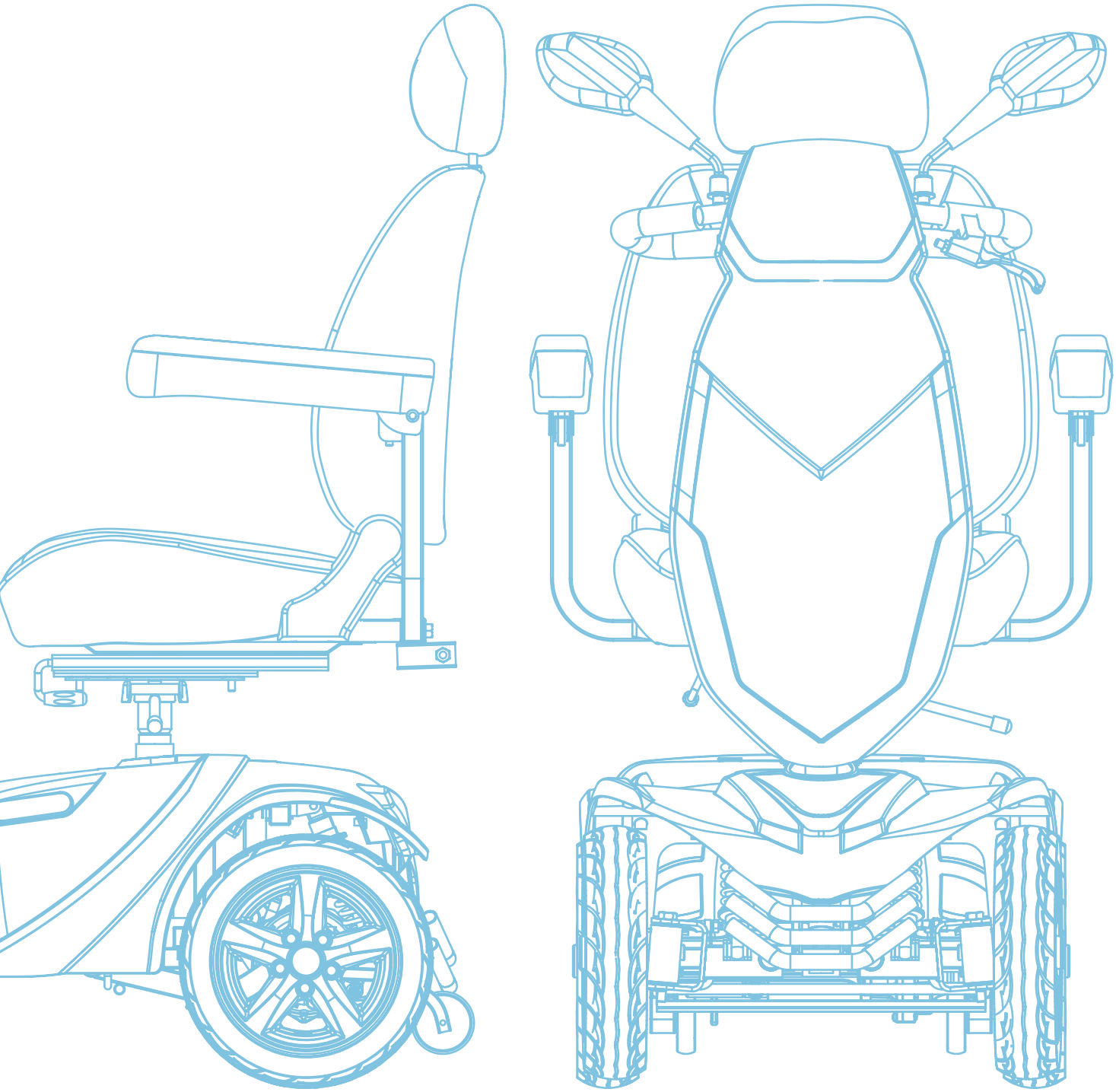
**Dealer stamp -** 4th Service

**Dealer stamp -** 5th Service

**Dealer stamp -** 6th Service

**Dealer stamp -** 7th Service

**Dealer stamp -** 8th Service



# Rascal Vecta Sport Scooter

Manufactured by

ELECTRIC MOBILITY

**Electric Mobility Euro Limited,** Canal Way, Ilminster, Somerset TA19 9DL

Telephone: 01460 258100 **www.electricmobility.co.uk**

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