

MONARCH

BUZZ 3 & 4



Owner's Manual



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Congratulations on the purchase of your new Monarch scooter.

Even though your new scooter is both user-friendly and designed for maximum manoeuvrability in even the tightest spaces, we ask that you please read, understand and follow all of the instructions and suggestions in this manual before you operate your scooter for the first time.

The safe use of your new scooter is very important to us.

If you feel that you do not understand the instructions and suggestions presented in this Owner's Manual, or if, for any reason, you do not feel capable of performing the activities necessary to assemble, disassemble, operate, or maintain your scooter, in the first instance please contact your local dealer who supplied the scooter, or ring 1300 622 633.

While we have made every attempt to ensure that the information in this manual is correct at date of publication we reserve the right to implement changes into our product lines when those changes become desirable or necessary. If changes are implemented into our product line, there may be minor differences between the product you purchased and the illustrations and instructions in this Owner's Manual.

The Monarch Buzz 3 and 4 wheelers are imported by Scooters Australia Pty Ltd. If you need any assistance, please contact the dealer from whom you purchased the scooter.

Scooters Australia cannot be held responsible for personal injury or property damage resulting from the unsafe or the improper use of any of our broad range of health and personal mobility products. In addition, Scooters Australia cannot be held responsible for personal injury or property damage resulting from attempts to follow instructions, suggestions, and guidelines presented in this Owner's Manual.

Importer:
Scooters Australia
4/355 South Gippsland Hwy
DANDENONG Vic 3175
Ph 03 9799 6622

For more information about our products and services or to send us your comments, please visit our website at www.scootersaus.com.au

Happy scooting.

1. INTRODUCTION

Features and Benefits



Your Buzz Scooter has been designed with your comfort in mind. It has also been designed to be a safe method of transportation when safety and operating instructions are followed. Please review the features and benefits of certain components of the Buzz Scooter above. The above figure depicts the Buzz 4 scooter.

2. SAFETY

Your Monarch BUZZ scooter is a battery-operated personal mobility vehicle. Driving your scooter carefully and thoughtfully will help ensure your personal safety and the safety of other people.

NOTE: Before learning to operate your scooter, have your authorised Scooters Australia dealer determine if it is advisable for you to practice getting on and off your scooter and operating it in the presence of an attendant.

BEFORE GETTING ON YOUR SCOOTER

- Check to be certain that the power is turned off. See section 4 in this manual. This will eliminate the possibility of accidentally activating the throttle controls and causing injury to yourself or to others.
- Check to be certain that your scooter's freewheel handle is in the engaged position. See section 6. "Disassembly" in this manual.
- Swivel the seat.

WARNING: When getting on or off your scooter, keep your weight toward the middle of the foot platform. Putting most or all of your weight on the edge of the platform may cause an unstable condition.

GETTING ON YOUR SCOOTER

- Position the seat for safe and easy mounting. See section 4, "Operating your Scooter."
- Return tiller to full upright position
- Carefully place one foot on the approximate center of the deck and seat yourself comfortably and securely on the seat, and lock the seat in the forward position.
- Fasten the seat belt, if your scooter is so equipped.
- Flip down or replace the armrests if they are in the incorrect position.

GETTING OFF YOUR SCOOTER

- Make certain that the power is turned off and the key is removed.
- Return tiller to full upright position
- Rotate the seat or flip up or remove the armrests.
- Unfasten the seat belt.
- Carefully place one foot on the ground, transfer your weight to that leg, and slowly come to a standing position.
- Step away from the scooter.

MAXIMUM WEIGHT

Your scooter has been rated to a maximum payload (operator and anything else being carried on the scooter) of 136 kg. Exceeding the maximum weight rating will void the warranty.

WARNING: Exceeding the maximum weight rating may result in injury to yourself and to others.

DRIVING ON INCLINES

- For maximum stability, lean forward in your scooter's seat while proceeding up ramps, inclines, curbs, or any low rise. See Fig. 1.
- Drive with caution when attempting to negotiate any incline, even handicap access ramps.
- Always climb or descend an incline by driving straight up or straight down the face of the slope.
- Do not traverse or drive across the face of an incline in any direction. See Fig. 2.
- Do not attempt to negotiate an incline that is covered with snow, ice, cut or wet grass, leaves, or any other potentially hazardous material.
- Do not back down an incline.
- Try to keep your scooter moving when climbing an incline. If you do come to a stop, restart and accelerate slowly and carefully, leaning forward.
- Do not try to descend or climb a slope whose gradient is greater than recommended.*



Figure 1. *Maximum slope 8°



Figure 2.

WARNING: *If, while you are driving down a slope, your scooter starts to move faster than you feel is safe, release the throttle control lever and allow your scooter to come to a stop. When you feel that you again have control of your scooter, push the throttle control lever and continue safely down the remainder of the slope.*

DRIVING DOWN A DECLINE

- Lower speed setting
- Whenever it is safely possible, drive forward down any ramp, low rise, or incline.

WARNING: *we do not recommend that you drive your scooter in reverse down any incline, ramp, curb, or low rise. Backing down any slope may create a very hazardous situation.*

Motor Braking System

Your scooter is equipped with a system that uses the motor to aid in braking. This Motor Brake system is designed to work when the key is in either the “On” position or the “Off” position. When the key is in the “On” position, the freewheel is in the engaged position, and the scooter is under power, the motor will help slow down the scooter as soon as you take your hand off of the throttle lever.

When the key switch is in the “Off” position and the freewheel is in the disengaged position, the motor brake system will keep you from pushing the scooter too fast. You may notice this when pushing the scooter. The scooter will move freely until you reach a certain speed. You will then encounter some resistance as the motor brake system is activated.

WARNING: *When your scooter is in freewheel mode, the brake is released. The weight of the scooter on a slope may cause you to lose control of the scooter. If you do not feel capable of manually controlling your scooter down the slope while disembarked, request assistance or do not attempt to use this procedure.*

DO NOT ATTEMPT TO DRIVE THE SCOOTER WITH THE FREEWHEEL DISENGAGED!

WARNING: *Do not connect or allow anyone except an authorised Monarch representative to connect any electrical or mechanical device to your scooter. Unauthorised accessories will void the warranty and may cause injury.*

MEDICATION

Always check with your doctor to determine if any of the medications you are taking may affect your judgement and/or your ability to operate your scooter. Also check with your doctor concerning your physical ability to operate a scooter.

ROAD RULES

NOTE: Please remember that while on your scooter, you are a motorised pedestrian. You must observe and obey all pedestrian rules and regulations for the locale in which you are riding.

RULES FOR USE AND OTHER SAFETY CONSIDERATIONS

- Read completely and understand this owner's manual before assembling, operating, transporting, or disassembling your scooter.
- Always operate your scooter with thought, care, and safety.
- Do not attempt to use your scooter on an escalator. Always use a lift.
- Do not carry passengers under any circumstances.
- Do not get on or off your scooter unless the freewheel lever is engaged.
- Always make sure that the key switch is set to "Off" before getting on or off your scooter.
- Do not back your scooter down an incline or across an uneven surface.
- Do not turn your scooter suddenly at full speed.
- Always make sure the seat is locked forward before operating your scooter.
- Always come to a full stop before changing direction from forward to reverse or from reverse to forward.
- Do not operate your scooter where you could not safely or legally walk.
- Do not climb ramps or curbs that exceed your scooter's capacity.
- Always approach curbs and inclines straight on.
- Always turn on your scooter's lights when operating near traffic, at night, and in any poorly lit area.
- Always be aware of and careful near mechanical pinch points especially when assembling and disassembling your scooter.
- Never sit on your scooter when it is being transported or in free-wheel mode.
- Always fasten down your scooter securely with an approved tie-down system while transporting your scooter.
- Never operate your vehicle if it is not functioning properly.
- Always use caution when driving on soft or uneven surfaces such as grass, gravel. Also use caution on decks where there is no railing.
- Never drive on the roadway, except when you must cross the street.
- Always cross streets at intersections and use crossings or the most direct route, making sure that your path is clear and that you are visible to motor traffic.
- Never drive your scooter up or down a step or curb that is higher than the ground clearance on the specifications page.
- Never back up or down a step or curb.
- Never operate your scooter while you are under the influence of alcohol.

DAILY CHECKLIST

Make sure each day you check your tyre tread, battery charge, and seat swivel mechanism to ensure it is locked in position.

3. ELECTROMAGNETIC INTERFERENCE / RFI

The rapid development of electronics, especially in the area of communications, has saturated our environment with electromagnetic (radio) waves that are emitted by television transmitters, cellular phones, citizen's band radios (CBs), amateur radios (ham radios), wireless computer links, microwave transmitters, paging transmitters, etc. These electromagnetic (EM) waves are invisible and increase in strength the closer one gets to the source of transmission. When these energy waves act upon electrical devices and cause them to malfunction or to function in an erratic or uncontrolled manner, they are referred to as Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI).

EMI/RFI AND YOUR SCOOTER

All electrically powered vehicles, including scooters are susceptible to Electromagnetic Interference/Radio Frequency Interference (EMI/RFI). This interference could result in abnormal, unintended movement of your scooter.

WARNING: Unintended movement or brake release could cause an accident or injury. The US FDA has determined that each make and model of scooter can resist EMI/RFI to a certain level. The higher the level of resistance, the greater the degree of protection from EMI/RFI—measured in volts per meter (V/m). The US FDA has also determined that current technology is capable of providing 20 V/m of resistance to EMI/RFI, which would provide useful protection against common sources of interference. This product has been tested and has passed at an immunity level of 20 V/m.

EMI/RFI RECOMMENDATIONS

- Do not turn on or use hand-held personal electronic communication devices such as cellular phones, walkie-talkies, and CB radios while your scooter is turned on.
- Be aware of any nearby transmitters (radio, television, microwave, etc.) on your intended route and avoid operating your scooter close to any of those transmitters.
- Turn off the power if your scooter is going to be in a stationary position for any length of time.
- Be aware that adding accessories or components or modifying your scooter may make it more susceptible to EMI/RFI.
- If unintended movement or brake release occurs, turn your scooter off as soon as it is safe to do so.
- Report all incidents of unintended movement or brake failure to your Monarch dealer.

WARNING: *Turn off your scooter as soon as it is safely possible if unintended or uncontrollable motion occurs or if unintended brake release occurs.*

4. OPERATING YOUR SCOOTER



Figure 3. Dashboard

CONTROLS

Speed Adjustment Dial

- The speed adjustment dial allows you to preselect the maximum top speed of your scooter. See Fig. 3.
- Turn the dial counterclockwise to operate your scooter at the lowest speed level.
- Turn the dial clockwise to increase the operational speed of your scooter.
- We recommend that you select a speed setting at which you feel comfortable, safe, and in control of your scooter.

Key Switch

This switch turns the power on and off to your scooter. See Fig. 3.

- Insert the key into the key switch.
- Turn the key 90 degrees clockwise to turn on your scooter's power.
- Turn the key back to the vertical position to turn off your scooter's power.

NOTE: Always make certain that the key is removed from the key switch before getting on or off your scooter or before lowering the tiller completely.

Horn Button

Press this button to sound the horn. See Fig 3.

Delta Tiller Throttle Control Lever

The Delta Tiller enables you to use only one hand (either the right or left) to operate both the speed and the direction of the scooter. This self-centering lever system controls your scooter's speed (up to the maximum speed set by the speed adjustment dial) and its forward and reverse direction. See Fig 3.

To drive forward use either of the following:

- Use your right hand fingers to pull back on the right side of the throttle control lever.
- Use your left thumb to push the left side of the throttle control lever.

NOTE: Always bring your scooter to a full stop before changing direction from forward to reverse, or from reverse to forward.

To drive in reverse use either of the following:

- Use your left hand fingers to pull back on the left side of the throttle control lever.
- Use your right thumb to push the right side of the throttle control lever.

When the throttle control lever is completely released, it automatically returns to the center "stop" position and engages your scooter's brakes, bringing you to a complete stop. You will hear a "click" when the brake engages.

Battery gauge

This meter (see Fig. 3) shows the amount of voltage in your scooter's batteries.

- Green indicates a full charge on the batteries.
- Yellow indicates caution and approximately a one-half charge of the batteries.
- Red indicates that the batteries have less than one-half of a charge remaining.

NOTE: The battery gauge will sometimes fall into the red zone when the motor is using more current on a steep slope but will return to its correct reading while on flat terrain.

NOTE: Your scooter will automatically turn itself off if the battery output falls to/or below 17.5v

Tiller Adjustment

The Tiller on your scooter employs an adjustment knob to provide you with multiple tiller angle settings for your driving comfort.

- Use one hand to grasp a handgrip.
- Use your other hand to loosen the adjustment knob at the base of the tiller.
- Position the tiller to a comfortable driving position and re-tighten the adjustment knob.

CONTROL OPTIONS

Your authorised dealer can reverse the throttle control lever controls so that when you pull on the left side of the lever, your scooter will move in the forward direction, and when you pull on the right side of the lever your scooter will move in the reverse direction.

SEATING

Flip-up Armrests

Pull up on the end of either armrest to flip it up for easy transfer on & off your scooter.

Armrest Width Adjustment

To adjust the armrest width:

1. Loosen the adjustment knobs at the rear of the seat.
2. Slide the armrests in or out to the desired width.
3. Tighten the adjustment knobs.

Armrest Angle Adjustment

To adjust the armrest angle:

1. Raise the armrest and turn the armrest angle screw counterclockwise to increase the angle.
2. Raise the armrest and turn the armrest angle screw clockwise to decrease the angle.

Seat Rotation Lever

The seat can be rotated through 360° and locked at any 45° position.

1. Pull up on the seat rotation lever and rotate the seat to the desired position.
2. Release the handle to lock the seat at any 45° position

Seat Height Adjustment

To adjust the seat height:

1. Remove the seat by raising the rotation lever and lifting the seat straight up.
2. Set the seat aside.
3. Remove the bolt, nut, & washer that hold the seat post in the seat pedestal. See Fig 4.
4. Position the seat post at the desired height while aligning the holes in the seat post and the seat pedestal.
5. Reinstall and tighten the nut, bolt, and washer. The bolt must be installed from the back of the pedestal, with the nut and washer to the front of the scooter.
6. Raise the lever when placing the seat back on the seat post.



Figure 4. Seat Pin

Freewheel Mode

Your scooter is equipped with a freewheel lever (red or yellow) that can set your scooter in or out of freewheel mode. The freewheel lever engages your park brake. See Fig 5.

To disengage the brake and put your scooter in freewheel mode:

- Push the brake handle in the direction of “disengage” on the label.

To engage the brake and take your scooter out of freewheel mode:

- Push the brake handle in the direction of “engage” on the label..

Pushing the scooter too quickly in freewheel will cause the motor to act as a generator causing the scooter to become difficult to push. Freewheel slowly.

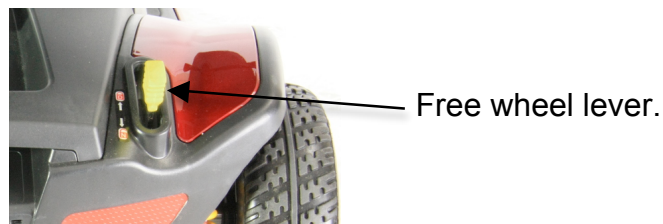


Figure 5.

WARNING: Do not sit on or attempt to move your scooter unless the frame and rear carriage are securely engaged. Accidental separation of the frame from the rear carriage may occur and cause injury or damage if not assembled correctly.

WARNING: Never set your scooter in freewheel mode when it is on an incline. Never disengage the brake handle while you are operating your scooter. Always make certain that your scooter brake is engaged before inserting the key into the ignition switch.

WARNING: Never sit on your scooter while it is being transported in a vehicle.

5. RIDING YOUR SCOOTER

GETTING ON YOUR SCOOTER

NOTE: For your first driving sessions, make certain that your scooter starts out on a level surface and that you will continue driving on a level surface.

To get on your scooter:

1. Make sure the key is in the “Off” position.
2. Stand behind your scooter.
3. Make certain that the freewheel lever is in engaged position. See Fig. 8.
4. Pull up on the seat rotate lever.
 - NOTE: This lever is normally located on the right-hand side of the seat, but your scooter may be configured to have the lever positioned on either side of the seat.
 - Once the lever is pulled up and held in the “up” position, the seat can be rotated.
 - Release the lever to lock the seat into one of the eight preset positions.
5. Make certain that the seat is positioned for safe and easy mounting.
6. Position yourself in the seat.
7. Use the seat rotate lever to position the seat so it is locked in the fully forward direction.
8. Fasten your lap belt, if your scooter is so equipped.
9. Place the key into the key switch.
10. Rotate the key to the on position.

BASIC DRIVING

1. Make certain that you are seated safely and properly on your scooter.
2. Turn the speed control dial fully counterclockwise to its slowest setting.
3. Insert the key into the key switch—if you have not already done so.
4. Turn the key clockwise to the “On” position.
5. Place your hands on the handgrips.
 - If you wish to drive forward, pull back on the right side of the throttle control lever (or push the left side of the throttle control lever forward.)
 - If you wish to drive in reverse, pull back the left side of the throttle control lever (or push the right side of the throttle control lever forward.)
6. Pull on the throttle control lever to gently accelerate your scooter.
7. Release the throttle control lever to allow your scooter to come gently to a full stop.
8. Practice these two basic functions until you feel that you have control of your scooter.

Steering

Steering your scooter is easy and logical.

1. With both hands on the handgrips of the tiller, turn the tiller to the right to travel to the right.
2. With both hands on the handgrips of the tiller, turn the tiller to the left to travel to the left.
3. Make certain to maintain sufficient clearance when turning your scooter so that the rear wheels will clear any obstacle.

NOTE: Turning your scooter too sharply at too high a speed may create a situation where one of the rear wheels will leave the ground and the possibility of tipping the scooter. Avoid this danger at all times by decelerating and steering a wide arc around corners and obstacles.

Steering in a Tight Spot

If you must steer in a tight spot, such as entering a doorway or when turning around:

1. Bring your scooter to a full stop.
2. Set speed at the lowest setting.
3. Turn the tiller to the direction in which you wish to drive.

Steering in Reverse

Backing up your scooter requires attention to what you are doing.

1. Use your right fingers to push the throttle control lever or use your left fingers to pull back on the throttle control lever. See Fig. 3.
2. Turn the tiller to the left to drive in reverse to the left.
3. Turn the tiller to the right to drive in reverse to the right.

NOTE: Your scooter's speed in reverse is fifty percent of the speed set at the speed control dial.

CONTROL THROUGH TIGHT SPOTS

As you use your scooter to greatly increase your mobility, you will undoubtedly encounter some obstacles that will require practice to negotiate smoothly and safely. Below are some common obstacles that you may meet during the daily use of your scooter. Listed with those obstacles are some driving tips that should help you conquer those obstacles. Learn and follow those tips, and with surprising ease you will soon be in control of your scooter as you maneuver it through doors, up and down ramps, up and over curbs, through grass and gravel, and up and down inclines.

RAMPS AND CURBS

When proceeding up any ramp, curb, or incline **always lean forward** in your seat to move your center of gravity forward for maximum stability and safety. If the ramp has a switchback, good cornering ability is required.

- Manoeuvre your scooter so that the front wheels take wide swings around the corners of the ramp.
- Doing this will allow your scooter's back wheels to follow a wide arc around the corner, staying clear of obstacles.

If you must stop your scooter while driving up a ramp:

- Starting up again simply requires that you apply gentle and steady forward power pressure to the throttle control lever, **while leaning forward**.
- Accelerate gently after stopping on any incline.

Driving down a ramp:

Keep your scooter's speed control dial set fully counterclockwise at the slowest speed setting. If you must come to a stop, release the throttle control lever slowly and smoothly.

Curbs

See specifications for maximum curb height.

Always use caution when negotiating any curb.

- Go up or down a curb head on at a direct 90° angle.
- Approach and negotiate the curb so that both back wheels of your scooter go over the curb at the same time.
- Never negotiate inclines or curbs by traversing them at an angle other than 90°. Doing so may cause the scooter to tip over.
- Go down a curb slowly to avoid a jarring bump. Use as little power as possible.

6. TRANSPORTING YOUR SCOOTER

DISASSEMBLY

Your scooter is designed to be disassembled easily for transport. Please follow these simple instructions. Please note that the steering tiller has a spring loaded locking knob at the base of the tiller to lock the steering for transport. It must be pushed in and rotated 90 degrees clockwise to lock the steering.

Remove the Seat

1. Remove the key.
2. Make sure that the scooter brake is engaged.
3. (Optional) Loosen the adjustment knobs. Slide the arms off the seat if you are not able to carry the seat with the weight of the arm- rests attached.
4. Remove the seat by pulling up and holding the seat lever and lifting the seat straight up and out of the seat post. See Fig. 5.
5. The seat can be folded for compact storing.

Figure 6



Figure 7

Remove the Battery Pack

1. Lift the battery pack off the scooter. See Fig. 7

Remove the Front Basket

Separate the rear section from the front

1. Pull up on the release lever with one hand to unlock the front and rear sections. See Fig 8
2. Pull the front frame up and off the rear section. See Fig. 8
3. Fold tiller down by unlocking adjustment knob and re-tighten knob to secure collapsed tiller.

Figure 8.



Figure 9: Buzz 3 collapsed.

ASSEMBLY

The scooter is easy to assemble. Make sure the key is out of the key switch before assembling your scooter.

Warning: Injury hazard due to improper assembly.

Ensure that all components in the scooter have been correctly assembled.

WARNING: Pinching and crushing hazard!

*Increased hazards due to pinching or crushing may result due to the component weight (such as batteries) during preparation for transport and maintenance work. A pinch point is an area where you **MUST** consider your fingers to be sure they **DO NOT** become pinched between two metal or hard plastic areas. The greatest chance of pinch points becomes possible during the assembly of the scooter.*

Reinstall the front and rear sections

1. Line up the front and rear sections. See Fig. 10.
2. Lower the front section onto the rear section until the lever releases. You should hear a click. See Fig 11



Figure 10.



Figure 11.

Install the Battery Pack.

1. Gently lower the battery pack onto the frame, making sure that they are placed accurately on the battery joiners. See Fig. 7

Raise the Tiller.

1. Undo the tiller adjustment knob and reposition the tiller, then tighten the knob. Replace the front basket on the tiller bracket.
2. Undo the spring loaded steering locking knob by rotating 90 degrees anticlockwise.

Install the seat.

1. Hold the seat on an angle so you can see the seat swivel post underneath
2. Place the seat swivel post into the seat receiver post
3. Pull up on the seat swivel lever to lock the seat in place
4. Reinstall the armrests if you removed them when collapsing the scooter and tighten the armrest knobs.

WARNING: Do not sit in or attempt to move your scooter unless the frame and rear carriage are securely engaged. Accidental separation of the frame from the rear carriage may occur and cause injury or damage.

WARNING: Failing to assure proper installation of the seat could result in injury.

TRANSPORTING

To Transport Your scooter:

- Disassemble or fold down the seat and tiller (see section 6. "Disassembly") as close as possible to the loading area of the vehicle to be used for transporting your scooter.
- The degree to which you disassemble your scooter or fold the seat and tiller depends on the size and shape of the cargo area of the transporting vehicle.
- Do not lift your scooter by its plastic body parts or tiller. Breakage of these parts is not covered by the warranty.
- Do not use the tyres or wheels to lift the rear carriage. The carriage may rotate and cause injury or damage.
- Blankets or other forms of padding may be used to protect your scooter during transportation.

WARNING: If your scooter and its components are not properly and securely stowed during transportation, the scooter or the components may move or become airborne and cause injury or damage.

WARNING: Never sit on your scooter when it is being transported. Always fasten down your scooter securely with an approved tie-down system while transporting your scooter.

7. CARE AND MAINTENANCE

ROUTINE MAINTENANCE EVERY TWELVE MONTHS

To protect your scooter and ensure that it remains in a safe and reliable condition, Scooters Australia advises you to have your scooter serviced every 12 months by an authorised Scooters Australia dealer. This also protects your warranty. Services can be arranged by contacting your nearest Monarch dealer and organising either a home service or a service in the workshop. Fees may apply for additional time taken if you organise a home service.

CLEANING YOUR SCOOTER

Tyres: Clean the tyres with ordinary kitchen-type cleaners and a damp cloth. Do not use solvents on the tyres. Solvents can cause the tyre material to break down or become too soft.

Body: The body (rear shroud, tiller shroud, deck shroud) of your scooter is formed ABS plastic and coated with a durable automotive-type finish. Use cool water mixed with a mild soap to remove dirt and oils. Use a nonabrasive car wax on the ABS body parts. Buff by hand with a soft cloth. Mr Sheen or similar is a good product to use.

Seats: Clean with a mild soap or mild detergent and a damp cloth. A vinyl cleaner may also be used.

Floor mat: Wipe over the floor mate with a damp cloth.

BATTERIES AND CHARGING

Battery maintenance is the most important part of maintaining your scooter. **Keeping the batteries fully charged helps to extend battery life.** Use the following guidelines to help keep your batteries in optimum condition. Initially, batteries need about 20 cycles to reach their maximum potential.

- For daily use, keep batteries fully charged. We recommend that you plug in the off-board charger at the end of each day the scooter is used and charge overnight for at least 8 hours.
- If you are not going to use the scooter for more than a week, fully charge the batteries and then disconnect them from the scooter.

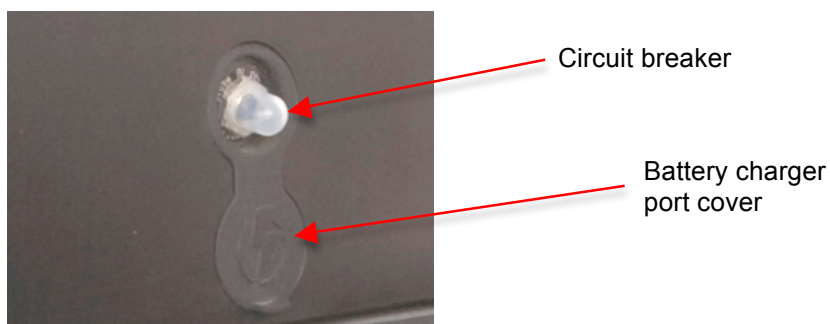
To Charge the Batteries:

The charger for is an off-board type of charger. You can charge the batteries while the battery pack is on the scooter or you can remove the battery pack and charge the batteries separately. To charge the batteries:

1. Lift the flap on the charger port on the front of the battery pack (under the white circuit breaker) and plug in the charger. See Fig 12.
2. Plug the charger into the power point
3. Turn the power point on
4. Turn the Charger on and leave on until at least 1 hour after the green light has come on.

NOTE: Do not turn the charger off and leave it plugged into the scooter

Figure 12.



Battery Maintenance

Your batteries are a sealed type and cannot leak. They are capable of about 200 discharge cycles. If you discharge them less than fully, they will achieve a higher number of cycles. They are maintenance free.

When the batteries need replacing (the scooter will not have as big a range as when new), phone your local Monarch dealer who will be able to supply and fit new batteries either in your home or at the workshop.

Do not settle for inferior batteries that do not fit the specifications of both the scooter and the charger as you risk poor scooter performance and low battery life.

TROUBLESHOOTING

IF YOUR SCOOTER DOES NOT OPERATE:

- Make certain that the freewheel lever is set to the engaged position.
- Check the main circuit breaker. If necessary, reset the circuit breaker by pressing it in.
- Make certain that the speed adjustment dial is at the desired setting.
- Make certain that the key switch is set to the “On” position.
- Make sure the scooter is properly charged – including making sure the power point is switched on during charging, and the scooter is disconnected from the charger once charged.

If none of the above procedures solve the problem, contact your authorised Scooters Australia dealer.

WARNING: Do not attempt electrical repairs. Consult your authorised Monarch dealer.

Main Circuit Breaker Tripping

The main circuit breaker reset button is located on the front of the battery box. See Fig. 12.

If, for no apparent reason, your scooter stops operating, the main circuit breaker may have tripped.

Possible causes for the main circuit breaker to trip:

- If your scooter is equipped with pneumatic tyres, low tyre pressure can cause the motor to overload and trip the main circuit breaker.
- Driving up a long, steep hill.
- Driving over a curb.
- Run-down batteries.

As you operate your scooter, battery voltages go down and battery current must rise to satisfy the demands of the motor and of other electrical devices operating on your scooter. This can cause a heavy current draw that may trip the main circuit breaker.

Remedy: Recharge your scooter’s batteries. See “Charger and Batteries” in this section of this manual.

1. If the problem continues, have your authorised Monarch dealer load test the batteries.
2. If the batteries are good, the charger may be the problem. Consult your authorised dealer.

Resetting the Main Circuit Breaker

- If the main circuit breaker trips as a result of run-down batteries or because of a temporary overload, reset the circuit breaker by:
 1. Wait ten minutes or so for the motor control board to return to the normal operating temperature range.
 2. Make certain that the key switch is set to the “Off” position.
 3. Press in on the main circuit breaker reset button.

NOTE: *If the main circuit breaker continues to trip, there is probably an underlying electrical fault that needs attention. Contact your authorised Monarch dealer.*

WARNING: *Do not keep resetting the main circuit breaker without correcting the underlying electrical problem.*

DIAGNOSTICS

The diagnostics feature of your scooter's microprocessor based motor control board functions as follows:

- Any fault condition on the controller or on an associated system will cause the scooter to beep.
- The beeping occurs as beep or as a series of beeps separated by a two second pause.
- The number of beeps in each series is referred to as the "Beep Code."
- The Beep Code indicates the nature of the condition or fault – see below

The Flash and Beep Codes

1 Beep:

Indicates that the battery voltage (with the throttle control lever in the neutral position) is below 19 volts. The batteries need to be charged. Your scooter will continue to operate at reduced speeds until the voltage falls to 17.5 volts. As the voltage drops you will experience a power loss.

Remedy: Charge your scooter's batteries. See "Batteries and Charging" in this section.

2 Beeps:

Indicates that the battery voltage has dropped to 17.5 volts. At this voltage your scooter will cease operation. If you have charged the batteries and the condition continues, one or both of the scooter's batteries may be at fault. The continuance of this condition after you have charged your scooter's batteries may also indicate a problem with the battery charger.

3 Beeps:

Consult your authorised Monarch dealer.

4 Beeps:

Indicates that the motor control board is overloaded and overheated. An overload can occur if you have been driving your scooter for an extended period of time up an incline that is steeper than the recommended grade (see "Specifications" on page 22). An overload can occur if your scooter is carrying a payload that is higher than the recommended weight capacity. See "Specifications" on page 22 for your scooter's weight capacity. If your scooter is equipped with pneumatic tyres and they are underinflated, an overload can also occur. Underinflated tyres cause the motor to draw large amounts of current. This high draw overheats the motor control board. Your scooter will not operate until the motor control board cools back to its operational temperature range.

Remedy: Turn off your scooter's key switch and allow the scooter to sit for 10 minutes. Have your authorised Monarch dealer perform a battery load test.

5 Beeps:

Indicates a brake problem. The freewheel lever may be in the disengaged position. See page 11. The brake or the brake wiring may be damaged. For safety reason, your scooter was designed to cease operation until the problem is corrected.

Remedy:

- Make certain that the freewheel lever is in the engaged position. See page 11
- Turn the key switch to the "Off" position to stop the flash code. Set the freewheel lever to the "engaged" position.
- Turn the key back to the "On" position.
- If the above remedies do not solve the problem, contact your authorised Monarch dealer.

6 Beeps:

Indicates that the throttle control lever was not in the neutral position when the key switch was turned to the "On" position. May indicate that the throttle control lever is out of adjustment.

Remedy:

- Turn the key switch to the "Off" position.
- Make certain that the throttle control lever is in the neutral position.

- Turn the key switch to the “On” position.
- If the above procedure does not solve the problem, contact your authorised Monarch dealer.

7 Beeps:

- Indicates a problem with the throttle control lever.
- May also indicate a problem with the potentiometer (speed control).
- Your scooter will not operate until the problem is corrected.

Remedy:

- Make certain that all electrical connectors are firmly and correctly joined.
- If the connectors are all firmly joined and the problem is not solved, contact your authorised Monarch dealer.

8 Beeps:

Indicates a motor voltage problem. Your scooter will not operate until the problem is corrected.

Remedy: Contact your authorised Monarch dealer.

9 Beeps:

Indicates other internal errors or faults. Your scooter will not operate until the problem is corrected. Remedy: Contact your authorised Monarch dealer.

SPECIFICATIONS

Specifications	BUZZ 3	BUZZ 4
Length	102 cm	105 cm
Width	55 cm	55 cm
Tyres	Puncture free	Puncture free
Front	195 x 70	195 x 70
Rear	195 x 70	195 x 70
Weight capacity (flat ground)*	136 kg	136 kg
Ground clearance (from motor)	5.5 cm	4 cm
Ground level to top of seat lowest position	54 cm	55 cm
Height from deck to top of seat at lowest position	44 cm	42 cm
Weight of front/back half	15 / 11.5 kg	20 / 13 kg
Weight without batteries	38.5 kg	43.5 kg
with batteries	50 kg	53 kg
Height of unit with tiller down and seat off	45 cm	40 cm
Maximum speed (programmable)	6kph	6kph
Operating range*	10 – 15 km	10 – 15 km
Batteries (2)	18 a/h	18 a/h
Suspension	No	Yes
Freewheel mode	Yes	Yes
Electromechanical Park Brake and Motor Brake	Yes	Yes
Charger, off board	3 amp	3 amp
Sealed transaxle Motor,	24 V, 2 pole	24 V, 2 pole
Electronics	50 amp	50 amp

* Notes:

1. Actual range will vary with user weight, terrain and state of batteries and tyres. The importer makes no claims as to the range and performance of the scooter apart from these general guidelines.

More information regarding range and battery performance can be seen on this website: www.scootersaus.com.au

2. Carrying capacity relates to slope of terrain. See our website for more information on weight / slope specifications.

WARNING: THIS SCOOTER SHOULD NEVER BE USED AS A SEAT WHILE BEING TRANSPORTED.

NOTE: As improvements are continually occurring to our products, we reserve the right to change the details of this manual, including the specifications, without prior notice. Please check with your local Monarch dealer for details.

Limited Warranty

Scooters and Powerchairs

Effective January 1st, 2016

The following warranty is granted only to the INITIAL consumer who has purchased our product, and commences on the Date of Purchase by the Consumer from an Authorised Dealer, by Scooters Australia Pty Ltd. Any warranty claim must be made in the first instance to the Authorised Dealer from whom the product was purchased, and must be taken to the Authorised Dealer for such claims. **If the product is not taken to the Authorised Dealer a call-out fee may be payable.**

This warranty covers the following products:

- Monarch Buzz GE106/116/146
- Monarch Buzz
- Monarch Tesla
- Monarch GC 340/440
- Monarch Volta
- Monarch GP600-650 Powerchair.
- Monarch Prowler
- Monarch Royale 3 & 4
- Luggie – all models

Three Year Warranty

For the period of three years, from the date of purchase from the Authorised Dealer, in the event of defective materials or workmanship, Scooters Australia Pty Ltd will repair or replace at our option any of the following components found to be defective by an authorised Scooters Australia representative:

- Steel Frame
- Frame Welds
- Tiller Frame
- Front Fork
- Seat Post

Eighteen month Warranty

For the period of eighteen months, from the date of purchase from the Authorised Dealer, in the event of defective materials or workmanship, Scooters Australia Pty Ltd will repair or replace at our option any of the following components found to be defective by an authorised Scooters Australia representative:

- Transaxle
- Motor / Brake (electrical function only)
- Wire Harness(es)

Note: An increase in operating noise of the transaxle DOES NOT constitute a defect or major fault. With normal wear and tear, operating noise is expected to increase.

One Year Warranty

For the period of one year, from the date of purchase from the Authorised Dealer, in the event of defective materials or workmanship, Scooters Australia Pty Ltd will repair or replace at our option any of the following components found to be defective by an authorised Scooters Australia representative:

- Dash Assembly
- Battery Charger
- Potentiometer Assembly
- Electronic Controller
- Bearings
- Bushings
- Seat Swivel Mechanism
- Rubber Components, excluding tyres
- Plastic Components, excluding body
- Armrests, excluding pads

Note: While charging batteries it is normal for the battery charger to heat up. Heat coming from the battery charger DOES NOT constitute a defect

NOTE: Items not listed above are not covered for repair under this warranty

Limited Warranty

Scooters and Powerchairs (continued)

Effective January 1st, 2016

Warranty Exclusions:

Scooters Australia does not provide warranty on any of the following items which may require replacement due to the normal wear and tear of day to day usage:

- Tyres and Tubes
- Plastic Shrouds
- Motor Brushes
- Bulbs / Fuses
- Brake pads
- Upholstery
- Armrest pads

This warranty also excludes the following:

- Batteries (Please consult battery manufacturer for any implied warranty)
- Loss or theft of components
- Damage caused by:
 - Battery fluid spillage or leakage
 - Abuse, misuse, accident or negligence
 - Improper operation, maintenance or storage
 - Commercial use or use other than normal
 - Repairs and / or modifications made to any part without specific written consent of Scooters Australia
 - Exceeding the specified weight capacity of the unit
 - Accessories other than those supplied or approved by Scooters Australia
 - Failure to adhere to the product instructions contained in the Owner's Manual
 - Acts of Nature, such as lightning strikes, etc
 - Circumstances beyond the control of Scooters Australia
 - Call out fees or freight costs if the product is not returned to the authorised dealer.
- ANY PARTS ALTERED OR REPAIRED BY UNAUTHORISED PERSONS.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose are excluded. Liabilities for consequential damages are excluded. This warranty gives you specific rights and you may also have other rights which may vary from state to state.

How to get Warranty Service

Warranty service must be performed by an authorised Scooters Australia representative. Scooters Australia reserves the right to replace warranted parts with refurbished or new parts at our discretion. All service calls, call-out fees, transportation costs or any other charges associated with any warranty repairs are the responsibility of the consumer. Warranty is for the replacement of the part only and does not include freight for the replacement parts. Consumers are not to return any item to Scooters Australia without prior written authorisation. Any damages incurred while warranted parts are in transport are the sole responsibility of the consumer. To receive Warranty Service:

- Contact the Authorised Dealer from whom you purchased the product.
- Arrange to either deliver the product to the Dealer or to have the Dealer call out to inspect the product. **Such call-out may attract a fee – contact your dealer for details.**
- When the service is complete, either pick up the product from the Dealer or pay for it to be delivered to you.

Warranty Terms and Conditions

Any sale of product by Scooters Australia is subject to and conditional upon its general trading terms and conditions. In the event of any inconsistency between those terms and conditions and the terms and conditions of this Limited Warranty, then the terms of this Warranty shall prevail.

Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Importer: Scooters Australia Pty Ltd, 4/355 South Gippsland Hwy, DANDENONG, Vic 3175. Ph 03 9799 6622
www.scootersaus.com.au email: headoffice@scootersaus.com.au

Service Record

Initial Owner

Date Purchased: Invoice #:

	Date Serviced	Invoice #	Technician (signature)	Notes
12 Months Service				
24 Months Service				
36 Months Service				
48 Months Service				
60 Months Service				

- Please phone your local Monarch dealer to arrange for your next service appointment
- Please ensure that the details of each service are recorded above.

Authorised Dealer

