

LION
DAYTONA
BLAZER
CHARGER



TopGun
Mobility
WHEELS FOR LIFE



USER MANUAL

AUTHORISED TOP GUN MOBILITY AFTER SALES SERVICE

We have ensured that your new Top Gun Mobility Scooter is ready to deliver! Every member of our Team is dedicated to Customer Satisfaction. By making contact with the following personnel, you will be assured of Prompt and Efficient After Sales Service.

Sales: _____

Service: _____

Spare Parts: _____

DEALER STAMP:

WARNING

Please read the Owner's Manual carefully before operation. If you do not fully understand any part of the Manual, please contact your dealer so as to avoid any injury or damage from misuse. Electromagnetic Interference ("EMI") can cause powered vehicles to behave erratically, which can be dangerous to the user. For your Safety & Protection, it is IMPERATIVE that you take the time to read the Chapter on EMI prior to operating your Top Gun Mobility Scooter.

PLEASE NOTE : All details contained within this owner's manual are correct as at time of print. Specifications/Recommendations are subject to change without prior notice

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INTRODUCTION

CONGRATULATIONS on the purchase of your new Top Gun Mobility Scooter. We are excited to provide you one of our Innovative Mobility Scooters. Our Scooters are designed to provide personal freedom, as well as Convenience, Comfort and the Assuredly High-Performance levels combined with a long-life cycle.

This Owner's Manual contains important information concerning the proper maintenance and safe operation of your Mobility Scooter. Please read this manual thoroughly and carefully prior to operating your new Mobility Scooter to familiarise yourself with all operation instructions.

The contents of this manual are based on the expectation that a mobility device expert has properly fitted the model scooter chosen to suit the user and has assisted in prescribing health care professional and/or authorised provider instructions for the safe use of this mobility scooter.

There are several situations, including some medical conditions, where the scooter user will need to practice operating the scooter in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional specially trained in assisting a scooter user in various daily living activities.

As you begin using your scooter during daily activities you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you manoeuvre through doorways, on and off elevators, up and down ramps, and over moderate terrain.

This manual covers the use of various models, you will note that many of the operations and adjustments are similar and as such images may depict a different model to that which you have purchased.

MODEL FEATURES & SPECIFICATIONS

LiON

1. Pull Apart for easy transport
2. Lithium-Ion Battery Technology
3. Amazing 149kg load capacity
4. Unbeatable Turning Circle
5. All around Steel Safety Bumpers
6. Shock Absorbing Flexi Tiller

Pull Apart Dimensions: L x W x H USB Mobile Phone Charging Point



95 x 49 x 40cm



57 x 41 x 37cm

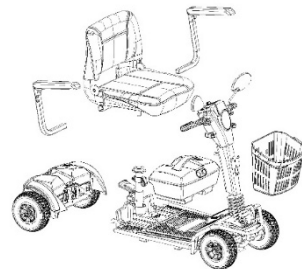


55 x 33 x 36cm



37 x 26 x 23.5cm

7. Sliding Seat, adjustable to multiple height drivers
8. 9-inch pneumatic tyres to cushion from rough driving surfaces
9. All Around Suspension for driver comfort
10. Most Powerful Motor in its Class
11. Full Lighting Package for driver safety



"Hakuna Matata!"

Top Gun LiON is the new King of Pull Apart Scooters. ALL NEW LiON hi-tech Super Light Lithium-Ion battery races ahead of the competition. More Power, More Comfort, More Safety, Tighter Turning, all around Suspension PLUS the incredible TOP GUN Flexi Tiller taking the shock and jarring out of every hump and bump.

DAYTONA

1. Powerful 600w 4 pole motor
2. Safety turning sensor
3. USB charging port
4. Up to 158kg safe working load
5. High comfort captain seat
6. Front and Rear adjustable suspension
7. Smooth ride
8. Compact high performance scooter (Easy lift access)
9. Front storage basket
10. Industry best turning circle
11. Swing and Slide Seat Adjustment



As the name suggest, the Daytona handles the corners with ease. Safety mode steering sensors give you the peace of mind to handle even the tightest corners with confidence. This small scooter punches above its weight with a powerful motor and battery combination in a sleek and modern compact package. Enjoy multiple driver comfort adjustments and cushioned all round adjustable suspension.

BLAZER

1. Powerful 800w 4 pole motor
2. Safety turning sensor
3. USB charging port
4. Up to 158kg safe working load
5. Front and Rear double sprung suspension
6. Safety Park Brake
7. Digital Dash Display
8. Front lockable Storage box
9. Super comfortable ride
10. Modern Stylish Design



The clever choice in modern scooters. The TOP GUN BLAZER comes standard with all the latest safety features and offers a super comfortable ride with double sprung suspension as standard fitment. The stylish design includes a lockable front carry box to keep your treasures safe. Robust yet agile, this mid-size scooter boasts aclass leading turning circle, helping you get about town with ease.

BLAZER, ride in style!

CHARGER

1. Industry leading High Torque Motor and Gearbox
2. Safety Turning Sensor
3. USB Charging Port
4. Up To 203kg safe working load
5. Extra Wide Super Comfort Captain Seat
6. Front and Rear Suspension Double Sprung Suspension
7. Low Ground Clearance for Easy Mount and Dismount
8. Safety Park Brake
9. Digital Dash Display
10. Industry Leading Turning Circle



The low-rider Charger is the king of the streets. Under the plush extra-large comfort chair resides a power packed motor and battery combination. The easy access lowered riding deck comes complete with all round double sprung suspension ensuring the smooth travel. Class leading load carrying capacity is augmented by surprising agility and turning circle. The Charger is the reliable choice for astute driver.

SPECIFICATON COMPARISON TABLE

MODEL DETAILS	LiON	DAYTONA	BLAZER	CHARGER
Charger	3A (Lithium Version)	24V 5A	24V 5A	24V 8A
Controller	PG S-70A	PG S-90A	PG S-120A	PG S-140A
Electromagnetic Brake	6NM	6NM	6NM	8NM
Freewheel Mode	Yes	Yes	Yes	Yes
Ground Clearance	10cm (+ / - 2.5cm)	16.5cm (+ / - 2.5cm)	17cm (+ / - 2.5m)	19.7cm (+/- 2.5cm)
LCD Display	N/A	N/A	Yes	Yes
Lights	Head/Tail/Turning Emergency	Head/Tail/Turning Emergency	Head/Tail/Turning Emergency	Head/Tail/Turning Emergency
Max battery size	24V28.6Ah (Lithium)	12V50Ah*2	12V50Ah*2	12V75Ah*2
Max climbing grade (subject to user weight & surrounding conditions))	12°	12°	12°	12°
Max speed	Up to 8 km/h	Up to 10 km/h	Up to 10 km/h	Up to 10 km/h
Motor(rated power)	410 watts	600 watts(4 poles)	800 watts(4 poles)	1000 watts(4 poles)
Gear Ratio	22.33:1	19.75:1	19.84:1	21.06:1
Operational range	> 33 km	> 34 km	>36 km	>49 km
Overall Dimensions	113x55x92cm	120x63.5x124.6cm	132.7x69.8x127.6cm	132.7x69.8x127.6cm
Parking brake	N/A	N/A	Yes	Yes
Safety Turning Sensor	N/A	Yes	Yes	Yes
Seat	17" Stadium	18" Captain, Low Back	18" Captain, Low Back	22" Captain, Low Back
Seat Post Suspension	No	No	No	No
Suspension	Front & Rear	Front & Rear	Front & Rear	Front & Rear
USB Charger Port	Yes	Yes	Yes	Yes
Weight W Batteries	59.6kg	106kg	130kg	142kg
Weight W/O Batteries	55.4kg	80kg	96kg	96kg
Safe Working Load (SWL)	149kg	158 kg	158kg	203kg
Wheels - Front	9" pneumatic	10" pneumatic	12" pneumatic	13" pneumatic
Wheels - Rear	9" pneumatic	10" pneumatic	12" pneumatic	13" pneumatic

**** Specifications are correct at time of print and are subject to change without notification**

SAFETY SYMBOLS



WARNING! An authorised supplier or qualified technician must perform the initial setup of this scooter, and must perform all of the procedures in this manual.

The symbols below are used throughout this Owner's Manual and on the scooter to identify warnings and important information. It is very important for you to read and understand them.



WARNING! This indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause personal injury, component damage or malfunction.



MANDATORY! These actions must be performed as specified. Failure to perform "Mandatory" actions can cause personal injury and/or equipment damage.



PROHIBITED! This indicates that the action is prohibited. These actions must NOT be performed at any time or under any circumstance. Performing a prohibited action can cause personal injury and/or equipment damage.



PLEASE NOTE and strictly adhere to the following Safety Instructions. Additional Warnings and Notices are printed in this Owner's Manual; it is imperative that you carefully read all chapters of this manual before operation. It is also advisable to refresh your memory by re-reading this manual periodically.



GET ACQUAINTED with your Mobility Scooter and its operational features before driving it. Drive slowly (speed limit dial set to MIN) until you get used to your scooter, its various functions, safety features as well as its braking capabilities and limitations.



PEDESTRIANS! Watch carefully for pedestrians and drive your Mobility Scooter accordingly. In crowded areas, always drive with the speed limit dial set to MIN. Drive only where permitted according to all applicable local laws. Be mindful of the width of your particular mobility scooter and take care not to hit persons or objects around the vehicle.



NEVER remove any of the Mobility Scooter safety parts such as bumpers, plastic covers or emergency braking lever. Never remove any of the Warning Labels.



NEVER put your hands, fingers, feet or legs into any moving part or under any protective cover as moving parts and hot surfaces are generally secured under these covers.



When adjusting (folding the seat back, adjusting armrest, moving seat forward/backward, adjusting tiller etc.) as well as when squeezing the throttle control lever, always take care that your hands and fingers are not trapped between any of the moving parts. When moving the tiller forward or backward, be careful not to trap your fingers in the mechanism.



LOAD RESTRICTIONS – The load in the rear basket must not exceed 8kg. This load in the front basket must not exceed 5kg. Your Top Gun Mobility scooter is designed to carry ONE person only (unless a dual seat model has been purchased). Never operate it with an additional person on board, including carrying a child.



TYRE INFLATION – Never inflate the tyres on your Mobility Scooter more than the manufacturer's recommended pressure shown on the tyres and within this owner's manual.



STAIRS – Never use your Mobility Scooter on STAIRS. Do not try to go over obstacles that are more than the maximum recommended slope angle and obstacle heights given in the specification sheets for your Mobility Scooter. When driving over an obstacle, always drive so that the front of the scooter is facing the obstacle.



If for any reason your Mobility Scooter does not stop when you release the throttle control lever, or takes longer to stop than it should (3 meters on a level surface), turn the key switch to OFF and immediately contact your selling dealer.



WEATHER – Do not use your Mobility Scooter in Heavy Rain or Extreme Humidity, or at temperatures below -30°C (-22°F) or above +45°C (+113°F).



The seat weights 21kgs. Each battery weights a minimum of 14kg. Be careful when lifting the seat and batteries. See instructions for lifting the seat and the batteries in the Maintenance Chapter. Always lift using your knees and legs, not your back.



BATTERIES – Only use batteries as recommended by an authorised dealer (lead acid maintenance-free sealed batteries or lithium depending on the model scooter you have purchased).



ACCIDENTS/DAMAGE – If your Mobility Scooter is involved in any kind of accident in which parts are damaged, you must arrange for a qualified technician to examine it before continuing use.



CHILDREN – Special Care must be taken to prevent children from operating your Mobility Scooter or riding as a passenger. Do not allow unsupervised children to play near your Mobility Scooter, especially when charging batteries.



Always drive carefully. Adjust your speed according to road conditions. When turning at high speed, your Mobility Scooter can become unstable. Before making sharp turns, reduce speed to a minimum to prevent roll-over.

CAUTION ON SLOPES!!



Your Mobility Scooter is able to go up slopes higher than the recommended safe slope. HOWEVER, do not drive on slopes whose incline you do not know. Always drive very slowly and do not drive on the side of such slopes. Before starting to drive, make sure your emergency brake operates correctly.

Do NOT release the manual release lever of the electromagnetic brake (EMB) when your Mobility Scooter is on a slope. When on any sort of an incline, never place the Mobility Scooter in freewheel mode (whilst seated on or standing next to it)



The lights on your Mobility Scooter (if fitted), should be turned on when visibility is reduced, regardless of day or night.



As your seat upholstery is fire resistant, do not cover it or replace with any upholstery other than upholstery of the same kind. When removing the battery cover, watch out for hot parts. The motor, axle, EMB, electronic cards and electronic controller might be hot! DO NOT TOUCH them until you have ensured temperature is not dangerous.



Do NOT operate a mobile phone, walkie-talkie, laptop or other radio transmitter whilst operating your Mobility Scooter



Removal of the grounding prong can create an electrical hazard. If it is necessary to use a 2-pronged electrical outlet, properly install an approved 3-prong adapter.



Do NOT connect an extension cord to the AC/DC converter or to the battery charger



Keep tools and other metal objects away from the battery terminals. Contact with tools can cause an electrical shock. Do not sit on the Mobility Scooter when it is on any type of lift/elevation product.



This symbol indicates that Explosive conditions exist



Disposal and Recycling. Contact your authorised dealer for information on proper disposal of your Mobility packaging and components



Always wear safety glasses when working on the Mobility Scooter



Contains Lead



Battery Charger is for INDOOR use only

WARNING!
Hot surface !!



At the rear of your Mobility Scooter is the manual release lever of the EMB. When using this lever, be careful not to touch the internal surface of the motor as it could be very hot and cause injury. See the warning label at the rear of the Mobility Scooter near the lever.

SAFETY OPERATIONAL INSTRUCTIONS

GENERAL

MANDATORY! Do not operate your new Mobility Scooter for the first time without reading and understanding this user manual completely.

Your Mobility Scooter is a state-of-the-art life-enhancement device designed to increase mobility. We provide an extensive range of products to best fit the individual needs of the user. Please be aware that the final selection and purchasing decision regarding the type of Mobility Scooter to be used is the responsibility of a user who is capable of making such a decision and of his or her healthcare professional (i.e., medical doctor, physical therapist, etc.)



The contents of this manual are based on the expectation that a mobility device expert has properly fitted the appropriate model scooter to the user.



Healthcare Professionals and/or the authorize dealer to give instructions for the use of the product.

There are certain situations, including some medical conditions, where the user will need to practice operating the scooter in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional specially trained in assisting a user in various daily living activities.

As you begin using your scooter during daily activities, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you manoeuvre through doorways, on and off elevators, up and down ramps, and over moderately rough terrain.

MODIFICATIONS

We have designed and engineered your Mobility Scooter to provide maximum mobility and utility. Under no circumstances should you modify, add, remove, or disable any feature, part, or function of your scooter.



WARNING! Do not modify your Mobility Scooter in any way not authorized by the manufacturer. Do not use accessories if they have not been tested or approved by the manufacturer.

REMOVABLE PARTS

WARNING! Do not attempt to lift or move your Mobility Scooter by any of its removable parts, including the armrests, seat, or shroud.



WEIGHT RESTRICTIONS

Your scooter is rated for a maximum safe working load. Refer to Specification sheet for details. Stay within the specified safe working load for your scooter. Exceeding the safe working load voids your warranty. We will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.



WARNING! Do not carry passengers on your scooter as it may result in instability.

PRE-DRIVE SAFETY CHECK

Get to know the feel of your Mobility Scooter and its capabilities. We recommend that you perform a safety check before each use to make sure your scooter operates smoothly and safely.

Perform the following inspections prior to using your scooter:

- Check for proper tyre inflation. Maintain but do not exceed the psi/bar/kPa air pressure rating indicated on each tyre.
- Never operate the scooter with maximum tyre pressures as indicated on side of tyre (this is for tyre replacement purposes only)
- Check all electrical connections. Make sure they are secure and not corroded.
- Check all harness connections. Make sure they are secured properly.
- Check the brakes.
- Check the battery charge.

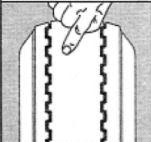
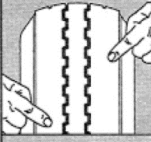
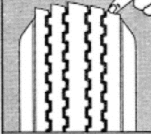
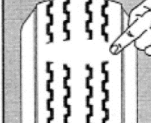
TYRE INFLATION



Your scooter is equipped with pneumatic tyres. Check the tyre pressure at least once a week. Proper inflation pressures will prolong the life of your tyres and help ensure smooth operation.

WARNING! It is critically important that the psi/bar/kPa air pressure is maintained at all times. (Generally, these should be Front 25 & Rear 30psi) Do not under-inflate or over-inflate your tyres. Under-inflation may result in loss of control, and over-inflation may burst the tyre.

WARNING! Inflate your scooter tyres from a regulated air source with an attached pressure gauge.

	Condition	Possible Cause	Remedy
	Even Center Wear	Over Inflation	Check & Adjust Pressure When Cold
	Inside & Outside Wear	Under Inflation	Check & Adjust Pressure When Cold
	Smooth, Side Wear - One Side	Loss of Camber or Overloading	Check & Unload As Necessary Have Alignment Checked
	"Feathering" Across The Face	Axle Not Square To Frame or Incorrect Toe In	Square Axles Have Alignment Checked
	Cupping	Loose Bearings or Wheel Balance	Check Bearing Adjustment and Wheel & Tire Balance
	Flat Spots	Wheel Lockup	Adjust Brakes

WARNING!

Failure to maintain the suggested pressure rating at all times may result in uneven and rapid tyre wear and possibly tyre/wheel failure.

If you have any doubts as to correct tyre pressure or you see these wearing patterns, please contact your local scooter supplier.

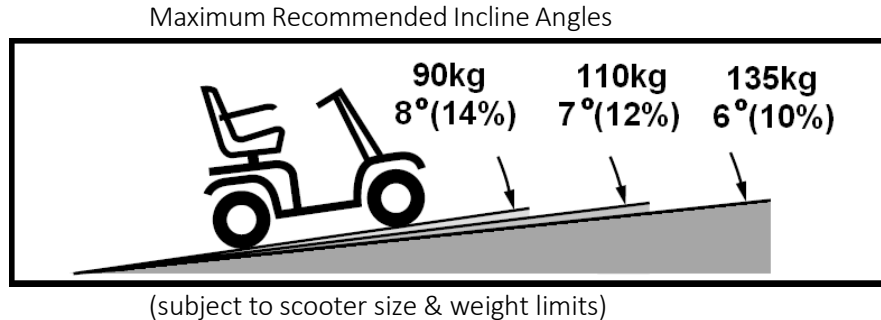
INCLINE INFORMATION

More and more buildings have ramps with specified degrees of inclination, designed for easy and safe access. Some ramps may have turning switchbacks (180-degree turns) that require you to have good cornering skills on your scooter.



- Proceed with extreme caution as you approach the downgrade of a ramp or incline.
- Take wide turns with your scooter around any tight corners. If you do that, the scooter's rear wheels will follow a wide arc. Do not cut the corner short, and do not bump into or get hung up on any railing corners.
- When driving down a ramp, keep the scooter's speed adjustment set to the slowest speed setting to ensure a safely controlled descent.
- Avoid sudden stops and starts.

Refer to Figure below to determine the maximum slope



When driving up an incline, try to keep your scooter moving. If you must stop, start up again slowly, and then accelerate cautiously. When driving down an incline, set the speed switch to MIN and drive forward only. If your scooter starts to move down the incline faster than you want, allow it to come to a complete stop by releasing the throttle control lever, then push the throttle control lever forward slightly to ensure a safely controlled descent.

WARNING! When on any incline, never place the scooter in freewheel mode while seated on it or standing next to it.

WARNING! When climbing an incline, do not zigzag or drive up at an angle. Always drive your scooter straight up the incline. This greatly reduces the possibility of tipping over or a fall. Always exercise extreme caution when negotiating an incline.

WARNING! Do not drive your scooter across an incline or diagonally up or down an incline; if possible, do not stop while driving up or down an incline.

WARNING! Do not drive up or down a potentially hazardous incline (e.g., areas covered with snow, ice, cut grass, or wet leaves).

WARNING!

Even though your scooter is capable of climbing slopes greater than those illustrated, do not, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause your scooter to become unstable. Note that public accesses ramps are not subject to government regulation in all countries, and therefore do not necessarily have the same standard degree of slope. Other inclines may be natural or not be designed specifically for scooters.

The figure on page 14 illustrates your scooters' stability and its ability to climb under various weight loads and under controlled testing conditions.

These tests were conducted with the scooter seat in the highest position and in its farthest rearward position. Use this information as a guideline. Your scooters' ability to travel up inclines is affected by your weight, scooter speed, your angle of approach to the incline, and your scooter setup.

WARNING! Any attempt to go up or down a slope steeper than shown in Figure C may make your scooter unstable and cause it to tip.

WARNING! Never carry an oxygen tank weighing more than 15 lbs (6.8 kg). Never put more than 5 Kg (11 lbs) in the front basket or more than 8 Kg (17.6 lbs) in the rear basket.

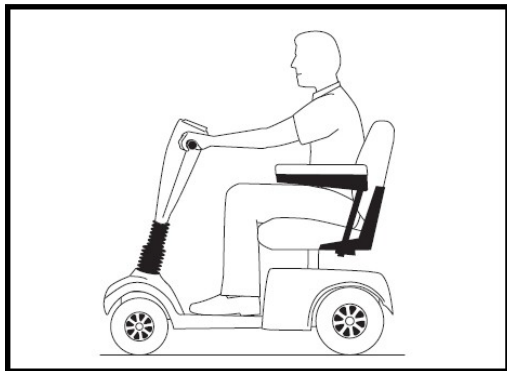


Figure B. Normal Driving Position

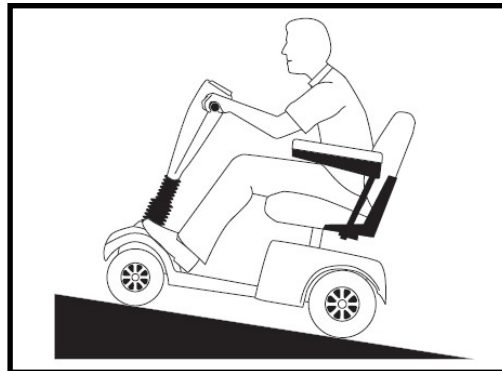


Figure C. Increased Stability Drive Position

CORNERING INFORMATION

Excessively high cornering speeds can result in tipping. Factors that affect the possibility of tipping include, but are not limited to, cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area – especially at high speed while turning), and abrupt changes of direction.

WARNING! When cornering sharply, reduce your speed and maintain a stable centre of gravity. When using your scooter at high speeds, do not corner sharply. This greatly reduces the possibility of a tip or fall. Always exercise your common sense when cornering.

BRAKING INFORMATION

- Your scooter is equipped with two powerful braking systems:
- Regenerative: Uses electricity to rapidly slow the vehicle when the throttle control lever returns to the centre/stop position.
- Park Brake: Activates automatically after regenerative braking slows the vehicle to a near stop, or when power is removed from the system for any reason

OUTDOOR DRIVING SURFACES

- Your scooter is designed to provide optimum stability under normal driving conditions, on dry, level surfaces of concrete, tarmac or asphalt. However, we recognize that there will be times when you will encounter other surfaces. For this reason, your scooter is designed to perform well on packed soil, grass, and gravel. Feel free to use your scooter safely on lawns and in parks.
- Reduce your scooter speed when driving on uneven terrain and/or soft surfaces.
- Avoid tall grass that can become tangled in the running gear.
- Avoid loosely packed gravel and sand.

PUBLIC STREETS AND ROADWAYS

WARNING! Do not operate your scooter on public streets or roadways. It may be difficult for traffic to see you when you are seated on your scooter. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic, and then proceed with extreme caution.

STATIONARY OBSTACLES (Steps & Curbs)

WARNING! Do not drive near raised surfaces, unprotected ledges, and/or drop-offs (curbs, porches, stairs, etc.).

WARNING! Do not try to go up or down an obstacle that is too high.

WARNING! Do not try to go backward down any step, curb, or other obstacle.



WARNING! Be sure your scooter is travelling perpendicular to any curb you may be required to go up or down.

WARNING! Do not attempt to negotiate a curb that is higher than 10 cm (4").

PRECAUTIONS DURING UNUSUAL WEATHER

Avoid exposing your scooter to extreme weather.

If you are suddenly caught up in rain, snow, severe cold or heat while operating your scooter, proceed to shelter at the earliest opportunity. Thoroughly dry your scooter before storing, charging, or operating it.

PROHIBITED! Do not operate your scooter in heavy rain, snow, salt, mist/spray conditions, or on icy slippery surfaces, as this can have an adverse effect on the electrical system.

WARNING! Prolonged exposure to extreme hot or cold may affect the temperature of parts of the scooter, possibly resulting in burns. Exercise caution when using your scooter in extremely hot or cold conditions or when exposing your scooter to direct sunlight for prolonged periods of time.

FREEWHEEL MODE

Your scooter is equipped with a manual freewheel lever that, when released, allows the scooter to be pushed manually. Some models are also equipped with an electric button located on the dashboard to release the electromagnetic brake.

- Disengage the drive motors only on a level surface.
- Stand beside the scooter to engage or disengage freewheel mode. Never do this while sitting on the scooter.
- After you have finished pushing your scooter, always return it to the drive mode to lock the brakes (pull the manual freewheel lever backward).
- When using the freewheel lever, be careful not to touch the internal surface of the motor, as it could be very hot and cause injury. See the warning label at the rear of the scooter near the lever.



WARNING! When your scooter is in freewheel mode, the parking system is disengaged. **WARNING! Do not press the automatic freewheel button while the scooter is moving.**

STAIRS & ESCALATORS

Top Gun Mobility scooters are NOT designed to travel up or down stairs or escalators.

Always use an elevator where available.

Doors

- Determine whether the door opens toward or away from you.
- Use your hand to turn the knob or to push the handle or push-bar.
- If the door opens away from you, drive your scooter gently and slowly forward to push the door open.
- If the door opens towards you, drive your scooter gently and slowly backwards to pull the door open.

Elevators

Modern elevators have a safety mechanism on the edge of the door that, when pushed, reopens the door(s).

- If you are in the doorway of an elevator when the door(s) begin to close, push on the rubber door edge or allow the rubber door edge to contact the scooter and the door will reopen.
- Take care that handbags, packages, or scooter accessories do not become caught in elevator doors.

NOTE: Sometimes manoeuvring your scooter may be difficult in elevators and building entrances. Use caution when attempting to manoeuvre your scooter in small spaces and avoid areas that might pose a problem.

LIFTS/ELEVATION PRODUCTS

If you travel with your scooter, you may find it necessary to use a lift or elevation product to aid in transportation. We recommend that you closely review the manufacturer's instructions, specifications, and safety information before using the lift/elevation product.

WARNING! Never sit on your scooter when it is being used with any type of lift/elevation product. Your scooter was not designed for such use, and any damage or injury resulting from such use is not our responsibility.

BATTERIES (ALSO SEE STORAGE INSTRUCTIONS)



In addition to following the warnings below, be sure to comply with all other battery handling information.

MANDATORY! Battery posts, terminals and related accessories contain lead and lead compounds. Wear goggles and gloves when handling batteries, and wash hands after handling.

WARNING! Scooter batteries are heavy. If you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoid lifting beyond your capacity.

WARNING! Always protect the batteries from freezing and never charge a frozen battery.

WARNING! Connect the battery cables correctly. RED (+) cables must be connected to positive (+) battery terminals/posts and BLACK (-) cables must be connected to negative (-) battery terminals/posts.

REPLACE damaged cables immediately. Protective caps must be installed over all battery terminals.

***NOTE:** If the battery is damaged or cracked, immediately enclose it in a plastic bag and contact your local waste disposal agency or authorized dealer for instructions for disposal or for recycling (which we recommend).*

PREVENTING UNINTENDED TRAVEL

WARNING! If you anticipate being stationary for an extended period of time, turn off the power. This will prevent unexpected travel caused by accidentally touching the throttle control lever.

GETTING ON/OFF YOUR SCOOTER



Getting onto and off your scooter requires a good sense of balance. Please observe the following safety tips when getting on and off your scooter:

- Remove the key from the key switch
- Ensure that your scooter is not in freewheel mode
- Ensure that the seat is secured in place
- Pivot the armrests up

WARNING! Position yourself as far back as possible in the seat

WARNING! Avoid putting all of your weight on the armrests, and do not make the armrests bear weight, such as during transfers.

WARNING! Avoid putting all of your weight on the floorboard

The abovementioned actions may cause your scooter to become unstable and tip, causing injury or damage



REACHING & BENDING

Avoid reaching or bending while driving your scooter. Bending forward creates the risk of accidentally contacting the throttle control lever. Bending to the side while seated creates the risk of tipping. It is important to maintain a stable centre of gravity, we recommend that you determine your personal limitations and practice bending and reaching in the presence of a qualified attendant.

WARNING! Do not bend, lean, or reach for objects if you have to pick them up from the scooter deck or from either side of the scooter. Movements such as these may change your centre of gravity and the weight distribution of the scooter, causing it to tip. PROHIBITED! Keep your hands away from the tyres and wheels when driving. Be aware that loose-fitting clothing can become caught in tyres and wheels.

PRESCRIPTIONS/PHYSICAL LIMITATIONS

Users must exercise care and common sense when operating the scooter. This includes awareness of safety issues when taking prescription or over-the-counter drugs or when the user has specific physical limitations.

WARNING! Consult your physician if you are taking prescription or over-the-counter medication or if you have certain physical limitations. Some medications and limitations may impair your ability to operate your scooter in a safe manner.

SMOKING

WARNING! The manufacturer strongly recommends that you do not smoke while seated on your scooter, although the seat has passed the necessary testing requirements for cigarette smoking.

You must adhere to the following safety guidelines if you decide to smoke cigarettes while seated on your scooter;

- Do not leave lit cigarettes unattended.
- Keep ashtrays a safe distance from the seat cushions
- Always make sure cigarettes are completely extinguished before responsible disposal.
-

ALCOHOL

WARNING! Do not operate your scooter while you are under the influence of alcohol, as this may impair your ability to operate the scooter in a safe manner.

ADJUSTMENTS

SEAT ADJUSTMENTS

You can make several adjustments to the seats, again depending on the specific model there will be minor differences.

Headrest Height - Press the button to adjust the height of the headrest.

Backrest Angle – Lift the lever positioned on the left side of the seat to adjust the back angle. Note this lever can also be used to fold down the backrest for transport and storage

Armrest Angle – Adjust the screw positioned under the arm pad to change angle of the armrest to the desired angle

Seat Slider – Lift up the lever to disengage the seat slider, whilst holding the lever up at the same time push the seat forwards or back to the desired position and then release the lever lock



Seat Height Adjustment

The seat height is adjustable by changing the seat post height.

Fold the seat back down then whilst standing behind the scooter and with both hands lift the seat off the seat post

Remove the seat post bolt, then adjust seat post to the required height, re-insert bolt and fully tighten

Refit the seat back onto the seat post



CAUTION! Lifting weight beyond your physical capability may result in personal injury. Ask for assistance when necessary while disassembling or assembling your scooter.

Tiller Adjustment

Locate the Tiller Adjustment lever which may be on the front of the tiller or on some models at the base of the tiller

Pull the tiller adjustment lever towards the tiller handle to disengage the lever

With the tiller lever disengaged continue to hold and at the same time pull or push the tiller to the desired position

Release the tiller adjustment lever to lock tiller into position



Folding down the Tiller for storage/transport

For models where full fold down is available.

Pull the tiller adjustment lever towards the tiller handle to disengage the lever
With the tiller adjustment lever disengaged continue to hold and at the same time pull down the tiller to it's storage position
Release tiller adjustment lever to lock tiller into position.



MODE BUTTON

Using the 'Mode' button on the dashboard you can quickly and easily change the time on the clock, change MP/h to KM/h on both the speedo and odometer and change temperature settings from Fahrenheit to Celsius.

Press the mode button until the desired function you wish to change is flashing. ie: to change the temperature you would press the Mode button 4 times. Once the desired function is flashing use the H/L button to make changes then press the SET button.

When changing the time, use the Left & Right arrow buttons.



ELECTROMAGNETIC AND RADIO FREQUENCY INTERFERENCE (EMI/RFI)



WARNING! Laboratory tests have shown that electromagnetic and radio frequency waves can have an adverse effect on the performance of electrically powered mobility vehicles.

EMI/RFI can come from sources such as cellular phones, mobile two-way radios (such as walkie-talkies), radio stations, TV stations, amateur radio (HAM) transmitters, wireless computer links, microwave signals, paging transmitters and medium- range mobile transceivers used by emergency vehicles. In some cases, they can cause unintended movement or damage to the control system. Every electrically powered mobility vehicle has an immunity (or resistance) to EMI.

WARNING! Be aware that cell phones, two-way radios, laptops, and other types of radio transmitters may cause unintended movement of your electrically powered scooter due to EMI. Exercise caution when using any of these items while operating your scooter and avoid coming into close proximity of radio and TV stations.

WARNING! The addition of accessories or components to an electrically powered mobility vehicle can increase its susceptibility to EMI. Do not modify your scooter in any way not authorized by the manufacturer.

WARNING! The scooter itself can interfere with other electrical devices located nearby, such as alarm systems.

Important Information:

- 20 volts per meter (v/m) is a generally achievable and useful immunity level, against interference from radio wave sources (as of May 1994) (the higher the level, the greater the protection);
- The immunity level of this product is not known.

Powered Scooter Electromagnetic Interference (EMI)

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two- way radios, and cellular phones can affect powered scooter and motorized scooters. Following the warnings listed below should reduce the chance of unintended brake release or powered scooter movement, which could result in serious injury.

SAFETY INFORMATION SUMMARY

- DO NOT try to climb sharp curbs
- DO NOT drive off or over obstacles exceeding 5 cm in height
- DO NOT make abrupt changes in direction at high speed or while traveling on an incline
- DO NOT attempt to make fast turn on flat surfaces
- DO NOT climb inclines greater than 15 degrees
- DO NOT back your scooter on uneven surfaces or inclines
- DO NOT attempt to operate your unit in a stalled condition, such as traveling up very steep incline. This may cause the circuit break or thermal cut out, rendering your unit temporarily immobile
- DO NOT travel on highways and freeways; ALWAYS stay in the bike lanes and sidewalks
- DO NOT carry passengers in any manner
- DO NOT operate your unit when the red battery indicator light is flashing
- DO NOT operate your unit with the clutch lever in the disengaging position
- DO NOT mount or dismount your unit with power switch in the “ON” position
- ALWAYS make sure that the steering tiller adjustment lever is locked
- ALWAYS make sure that the seat is locked so that it will not swing during operation
- DO NOT turn ON or use hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while your scooter is turned ON
- BE AWARE of nearby transmitters, such as radio or TV stations and hand-held or mobile two-way radios, and try to avoid coming close to them
- BE AWARE that adding accessories or components or modifying your scooter may make it more susceptible to interference from radio wave sources.

BATTERY CHARGING

Please ensure you read this section of your Owner's Manual prior to use. These instructions are written based on you using the charger supplied with your Mobility Scooter.

To ensure the best performance and maximum battery life, we recommend frequent battery charging. Your Scooter comes with an external battery charger for your ease and convenience. The console battery display makes charging simple and easy. It is recommended that you charge your scooter every night.

- 1) The console battery level display has red lights; each indicates 10% of battery charge. This acts like an automobile fuel gauge.
- 2) On a level, dry surface, turn off the power key and plug the extension cord into the charger socket located on the steering console. Then plug the other end of the charger cord into a wall outlet.
- 3) Charge the battery for 6-8 hours depending on the usage before charging. Disconnect the charger from the wall outlet, disconnect the extension cord from the scooter, insert key into tiller and check if all gauge lights are on.

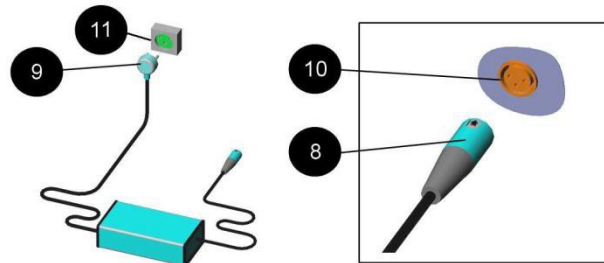
There is no possible way to overcharge the battery as the charging voltage is set constant. In general, you may start charging before you go to bed at night and disconnect it in the next morning.

Follow these steps for battery charging.

- 1) Insert the charger plug (8) in the charging socket (10) located on the right side of the tiller column.
- 2) Plug the charger power cord (9) into a wall socket (11).
- 3) When charging is complete, remove the charger power cord (9) from the wall socket (11) and then remove the charger plug (8) from the charging socket (10).
- 4) Under ideal storage conditions, batteries that were charged to full capacity and were not used should be recharged every month.
- 5) If you expect not to use your scooter for an extended period, we recommend charging it for two days and then disconnecting the batteries.
- 6) If you have not used your scooter for an extended period, charge the batteries for at least 24 hours before driving.

Note:

- There is NO need to disconnect the charging plug immediately after the charging is complete.
- However, DO NOT leave the charger connected to the batteries FOR MORE THAN TWO WEEKS.
- As long as the charging plug is in the charging socket, the electronic control of the scooter automatically cuts all power to the electric system, and it cannot be driven.
- The charger supplied is suitable for charging lead acid dry/gel batteries. Use only the defined type of charger. Before using any other type of charger, check with your dealer.



BATTERY SAFETY & PERFORMANCE MANAGEMENT

Battery Installation

- Always have batteries installed by a qualified mobility scooter or wheelchair technician.
- Always fully charge batteries before first use.
- Always follow the installation and start-up instructions provided by Top Gun Mobility.
- Most mobility scooters and powerchairs operate using two batteries connected in a 24-volt series configuration.
- Never mix different battery brands, technologies, or batteries with mismatched date codes.
- Never combine Gel and AGM batteries in the same unit.

Battery Break-In Period

- Deep cycling is a process used by active powerchair users that cycle their batteries daily. This requires a unique battery design that will sometimes compromise initial capacity in return for longer battery life.
- Gel battery performance improves once the battery has been cycled (discharged and recharged) 15 - 20 times.
- This break-in period is necessary to fully activate the battery for maximum performance and longevity.
- Your range and running time of your mobility device could initially increase with use.

Charge Your Battery Daily

- The charger supplied with your mobility device is designed to fully recharge the batteries overnight. Modern smart chargers are voltage-regulated and automatically switch off once charging is complete, so overcharging is not a concern.
- Sealed VRLA GEL and AGM batteries do not suffer from the capacity-reducing “memory effect” associated with some other battery types.

Charging Guidelines

- Always use the automatic charger supplied or recommended by Top Gun Mobility.
- Never use an automotive or wet-cell charger on Sealed VRLA Gel or AGM batteries, as this can cause permanent damage.
- Battery cycle life is directly affected by depth of discharge – the deeper the discharge, the shorter the expected lifespan.
- Always avoid ultra-deep discharges.
- Never allow batteries to become completely flat.
- Never leave batteries in a low state of charge for extended periods. Recharge discharge batteries as soon as possible.
- Avoid repeatedly operating batteries at a low state of charge without fully recharging them on a regular basis.

Correct Battery Storage

- Always store batteries in a fully charge condition.
- Inspect stored batteries monthly and recharge if required.
- Fully charged Sealed VRLA Gel and AGM batteries can retain their charge for up to 6 months; however, they must be recharged before use.
- If storing a powerchair or scooter for longer than two weeks, fully charge the batteries and then disconnect them during the storage period.
- Avoid exposing batteries to extreme heat or cold while in storage.
Sealed VRLA Gel and AGM batteries are maintenance free and do not require watering.

ASSEMBLY and DISASSEMBLY of the LiON Scooter

Pinch Points! Always use due care and attention when assembling and disassembling the scooter! For your safety, please pay particular attention to any safety / warning labels on the product.

INJURY HAZARD DUE TO IMPROPER ASSEMBLY!

Ensure that all components in the scooter have been correctly assembled. During assembly, please check that all connecting/locking devices are holding in place.

ASSEMBLY

- 1) Carefully remove contents from the box. Note: It is recommended that two people handle the scooter due to the product weight.
- 2) Remove all packaging and keep in a safe place for future use. **WARNING!** Plastic bags can be dangerous. To avoid danger of suffocation, keep plastic bags away from babies and children.
- 3) Ensuring that both parts are aligned correctly (with the anti-tip wheels located at the rear of the scooter), gently lower the main frame onto the drive train assembly and secure in place with the locking pin provided. Make sure that the locking pin is pushed firmly in place. Align the two electrical connectors and push firmly together until you hear a “click”.



Anti-tip Wheels



- 1) Use one hand to grasp a handgrip, use your other hand to loosen the tiller adjustment knob. Position the tiller / handlebar column to a comfortable driving position and tighten the adjustment knob making sure it is securely in place.



- 2) Place the basket onto the tiller bracket, push firmly downwards to lock in place.



- 3) Carefully place the battery pack in the battery compartment. Align the battery connector with the terminal block and push firmly together, ensuring the connector “clicks” into place.



- 4) Place the ABS decking / Battery cover over the seat post, use the clamp to fix the battery cover, ensuring the casing is aligned correctly and “click” firmly into place.



- 5) Hold the seat (please pull the seat swivel lever upward direction) at an angle so you can see the seat swivel post underneath.



- 6) Place the seat (please pull the seat swivel lever upward direction) into the seat swivel post as shown in the image.



WARNING: Ensure that the seat is properly engaged by turning the seat slightly left and right.

Caution! Always turn the seat to face forwards and engage it before driving. If the seat is in any other position, the possibility of tipping is increased. Before turning the seat, always ensure that the scooter is on an even and solid surface.

- 7) Locate the holes on either side of the seat and insert the armrests. Choose a suitable position for the armrests and secure in place using the locking screws.



DISASSEMBLY

To disassemble the mobility scooter please follow the instructions in reverse order, paying close attention to any safety / warning labels on the product.



POP OFF THE SEAT



PULL OUT THE BATTERY PACK



PUSH THE FRAME APART

MAINTENANCE SCHEDULE

Although your scooter requires very little maintenance, do not neglect it. When performing maintenance procedures on your scooter, make sure that it is parked on a level surface and that the key is not inserted.

DAILY

- Check brake effectiveness before you drive.
- Recharge batteries fully every night.

WEEKLY/FORTNIGHTLY

- Check tyre pressure. The pressure should be between 30-35 psi.
- Clean seat upholstery, plastic body and covers. To avoid electrical failure, do not spray water directly into your unit.
- Use a damp clean rag to clean all parts.
- Check and tighten the throttle lever attachment screws.

MONTHLY

- Check battery condition. Clean terminals if necessary.
- Check all electrical wire connectors to eliminate loose connection.
- Tighten all exposed bolts and nuts.
- Check wheel bearings by spinning tyres and checking for free rotation.

EVERY TWELVE MONTHS

- Visit your dealer and have a trained technician comprehensively service your scooter
- Under normal use, batteries should last between 2-3 years. These should be replaced by your dealer

TROUBLESHOOTING and REPAIRS

The following table provides troubleshooting and repair instructions for problems that may be encountered when operating your Mobility Scooter, as well as the best way to correct the issue.

Symptom	Remedy
The scooter will not switch on	• Try recharging the battery • Check the fuse and circuit breaker in the scooter
The scooter switches on, but the scooter will not move.	• Ensure there is enough power in the batteries. If not, recharge the batteries. • Ensure the free-wheel lever is engaged in the 'DRIVE' position.
The scooter appears slow	• Check the battery power level and recharge • Check the speed dial is not set to slow.
The seat turns when in operation	• Slowly rotate the seat until it drops in to place and is secure
The handlebar appears loose	• Tighten the height adjustment handle to secure the handlebar
Involuntarily horn sounds	• Ensure that the wigwag paddle is released. • Switch the scooter off and on. • Recharge the batteries. • If problem persists, contact your nearest dealer.

WARRANTY

This is to certify that your TOP GUN MOBILITY product offers a 5 Year Warranty from the date of original purchase. Should a defect or operating fault arise within this period the Dealer, from where the product was originally purchased, should be notified immediately. Failure to register the fault may invalidate the warranty.

The Dealer from where the product was purchased is responsible for any warranty repairs. Top Gun Mobility warrants that if a fault occurs within this period due to faulty workmanship or materials that the product will be repaired (or replaced at the Company's discretion) free of charge. *Any unauthorised modifications will invalidate the warranty.*

Component parts replaced outside this period carry a six-month warranty. (Standard terms and conditions apply for this period).

FIVE-YEAR WARRANTY

- Structural frame components, including platform, fork, seat post, and frame welds (excludes Canopy & Canopy framework)
- Drivetrain, including differential, motor.

TWO-YEAR WARRANTY

Your Top Gun Mobility Scooter is fully guaranteed for two (2) years from the date of purchase against faults arising due to defects in manufacture or materials. This warranty does not detract from but is in addition to your legal rights.

All electronic parts, including controllers, batteries, brakes and battery chargers, have a one (1) year warranty. Servicing to the controller or battery charger must be carried out by your authorised Top Gun Mobility Provider. Any attempt to open or dismantle these items renders the guarantee void on that item.

6-MONTH WARRANTY

Batteries hold a 6-month warranty from the customer purchase date.

NOT COVERED UNDER WARRANTY

The guarantee does not extend to those items which may need replacement due to normal wear and tear (tyres, belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses, and batteries), or damage to the product caused by misuse or accident for which Top Gun Mobility or its agent cannot be held responsible. This warranty does not include service calls or external bolt on components such as a canopy or canopy framework. **Transport/Call Out Costs** - As the owner you must bear the cost of transporting the unit to the dealer or should you decide to have the dealer come to you, you must bear the cost of the retailers call out fee. Your dealer may choose to waive this cost, but this will be at the retailers discretion only and separate to Top Gun Mobility's warranty terms and conditions.

WARRANTY SERVICE PERIOD

The service intervals are every 500klm or every twelve (12) months from date of purchase, whichever occurs first. We recommend using a Top Gun Mobility Service Provider. Proof of annual service (paid invoice receipts) must be kept and provided upon any warranty claim. This warranty will be void if annual servicing is not carried out.

SERVICE CHECKS AND WARRANTY SERVICE

Warranty service can be performed by an authorised Top Gun Mobility Provider. Please contact your authorised Top Gun Mobility Provider for advice on the current cost affecting the service visit.

COMMERCIAL USE

Any Top Gun Mobility products used in a commercial application will only be covered by a 12-month warranty from the purchase date and will be excluded from any coverage mentioned in the warranty relating to 5 (five) or 3 (three) year warranty. All other conditions in this warranty will apply.

STORAGE INSTRUCTIONS

Always store in a dry area protected from freezing to avoid damage to the scooter and premature wear of the batteries. Avoid exposure to rain, snow, ice, salt or stagnant water. Keep your scooter clean and dry. Never expose the electronic components of the scooter to humidity (rain, snow, mist, or water from washing), as it may damage electronic circuits. Always store your scooter with batteries fully charged. When storing the scooter for more than two weeks, charge the batteries and disconnect them. During the storage, check the charge once a month and recharge the batteries as needed. You must complete a full charge cycle every month or damage to batteries can occur. Avoid extreme temperature of hot and cold during storage. Freezing can damage low charged batteries and they may become unusable.

CHANGE OF DETAILS / CHANGE OF OWNER

If you change your address/contact details, please let us know as soon as possible. This can be done by;

- Email us with the updated details as per below on office@topgunmobility.com.au

SERVICE RECORD

Certification, by signature and stamp, of an Authorised Top Gun Mobility dealer/repairer is required to verify that the recommended routine maintenance has been performed on this Mobility Scooter. An accurate record is necessary to protect your warranty.

Always present this book to the dealer when routine maintenance is performed or when warranty repairs are requested. Service intervals are required as per Maintenance Schedule section of this Owner's Manual.

DEALER/REPAIRER: DATE: KLMS:	DEALER/REPAIRER: DATE: KLMS:
DEALER/REPAIRER: DATE: KLMS:	DEALER/REPAIRER: DATE: KLMS:



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