

PHANTOM
EMPEROR
ALBATROSS

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: _____

RETAILER 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 retailer 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.

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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 level 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.

MODEL FEATURES & SPECIFICATIONS

PHANTOM

1. Sturdy Canopy
2. Front Protective Windscreen
3. Seat Belt
4. Deluxe orthopaedic seat that slides, reclines & swivels
5. Angle adjustment fold up arm rests
6. Automatic braking system
7. Intelligent LCD digital display
8. LED Headlights
9. Direct Drive sealed transmission/gearbox
10. Multi position tiller angle
11. Free-wheeling device
12. USB Charging



EMPEROR

1. World's best componentry
2. Max Load Capacity 250kg
3. Extra wide bariatric bench seat
4. Extra wide tyres for driver comfort
5. 20cm Ground Clearance
6. All around adjustable heavy-duty suspension
7. Safety hand brake complimenting electric brakes
8. Safe cornering steering sensors as standard
9. High visibility head and taillights
10. Adjustable tiller for driver
11. Large rear lockable box
12. USB port for phone charging – peace of mind
13. Power Save Mode



ALBATROSS

1. Large lockable rear storage box
2. Rear bumper
3. Seat Belt
4. Deluxe orthopaedic seat that slides, reclines & swivels
5. Angle adjustment fold up arm rest
6. Automatic braking system
7. Electronic cornering control
8. Panel control and digital display
9. LED headlights
10. Direct Drive sealed transmission/gearbox
11. Multi Position tiller angle
12. Free-wheeling device
13. Digital Display
14. USB Charging Port
15. Windscreen and Roof
16. Light weight, long life lithium battery
17. Power Save Mode
18. Golf Bag Holder (optional)



SPECIFICATION COMPARISON TABLE

	PHANTOM	EMPEROR	ALBATROSS
Battery (Lead-Acid)	24V 70AH x 2pcs	24V70Ah*2	100A x 1pcs (lithium)
Motor Power	950W	1300W	1300W
Controller	PG-140A	PG-200A	PG-200A
Electric Brake	ELECTROMAGNETIC BRAKE	ELECTROMAGNETC BRAKE	ELECTROMAGNETIC BRAKE
Overall Dimensions	130x83x168cm (with roof)	165x84x140cm	165x84x168cm (with roof)
Weight	96KG	150KG	150KG
Safe Working Load (SWL)	180KG	250KG	250KG
Maximum Speed (km/h)	10KM/H	10KM/H	10KM/H
Turning Radius	185cm	260cm	260cm
Maximum Climbing Grade	10° (Subject to user weight & Surrounding Conditions)	10° (Subject to user weight & Surrounding Conditions)	10° (Subject to user weight & Surrounding Conditions)
Wheel Size - Front	13" x 2pcs (tubeless)	15" x 2 pcs (tubeless)	15" x 2 pcs (tubeless)
Wheel Size - Rear	13" x 2pcs (tubeless)	15" x 2 pcs (tubeless)	16" x 2 pcs (tubeless)
Drive System	rear wheel driving	Rear wheel driving	rear wheel driving
Ground Clearance from Seat	NA	NA	NA
Ground Clearance	15.5cm	22.5cm	20.5cm
Groove Crossing Ability	NA	NA	NA
Operational Range	Up to 50km	Up to 70km	Up to 70km
Free Wheel Mode	Yes	Yes	Yes
Wheel Hub	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Charger Size	24V 8A	24V 8A	24V 8A

BASIC OPERATING INSTRUCTIONS – PHANTOM, EMPEROR & ALBATROSS

1

- The main key switch is located on side of tiller column
- The key switch has two positions:
- OFF: The scooter cannot be driven and the EMB is locked.
- ON: Power is supplied to the scooter and the EMB is released automatically when the throttle control lever is squeezed.

To operate, insert the key in the key switch and turn it ON (clockwise). The switch will remain in this position and the Power indicator will be lit.

Note: The key switch is used to operate the scooter, not for locking.

2

Adjust the position of the handlebars (height and distance) as follows:

1. Push the handlebar adjustment lever (which locks the handlebars in place) and move the handlebars to the position you want.
2. Release the lever to lock the handlebars in place.

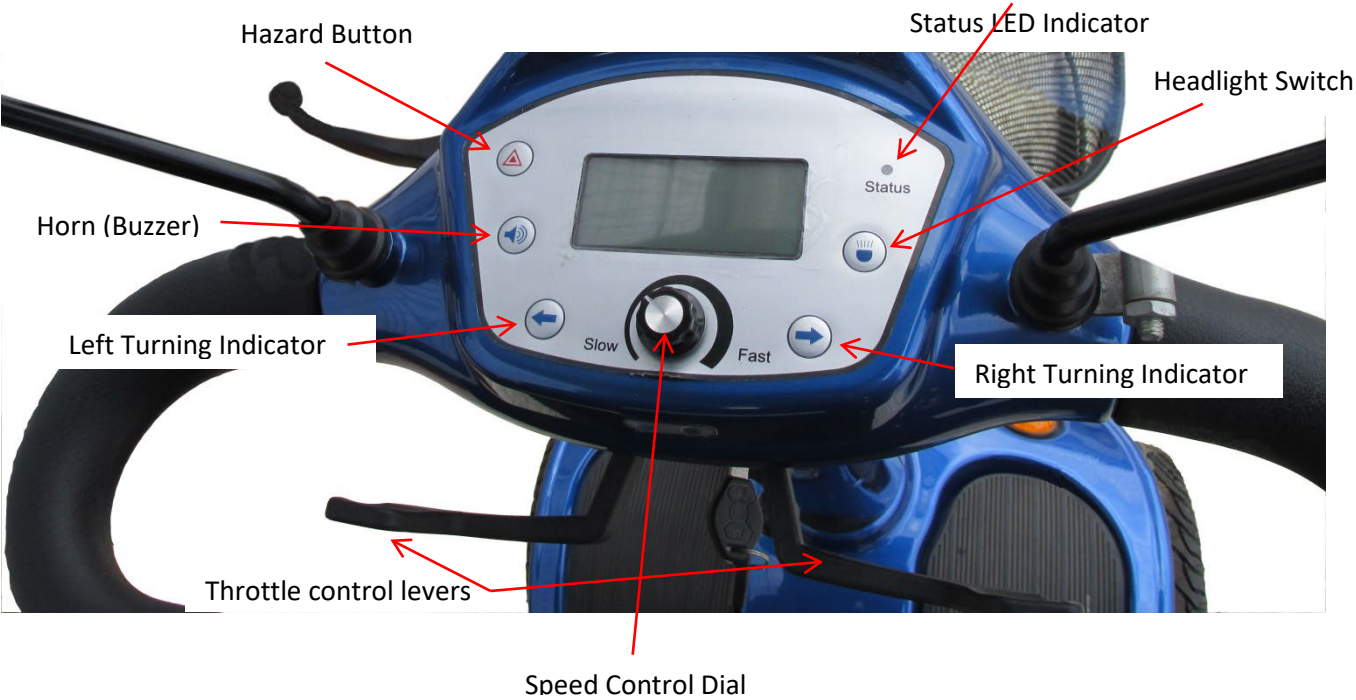
Before attempting to drive the scooter, make sure the plug is disconnected from the charging socket.

3

Insert the charger plug in the charging socket located on the right side of the tiller column to charge your scooter.

Note: While the plug is in the charging socket, the scooter cannot be operated.

Standard Dashboard Configuration



The Dashboard consists of an Intelligent Screen, Trouble Indicator LED, Headlight/Taillight light switch, Right Turning signal switch, High/Low Speed control knob, Left Turning signal switch, Beep Button (Horn) and an Alarm button (shown in the diagram on previous page). The function of each feature is described as below.

Speed control Dial

The speed limit dial is located on the handlebar panel.

- When the speed limit dial is set to FAST, the scooter will drive at approx. 10 km/hr.
- When the speed limit dial is set to SLOW, the scooter will drive at approximately 3km/hr.

Do not change the speed limit dial setting while the scooter is moving.

Set the speed limit dial to SLOW:

- Until you get used to driving your new scooter, and when driving the scooter inside a building or in a crowded area.

Status LED Indicator

There is a fault diagnosis system in the controller, it is used to identify and troubleshoot faults. If any faults occur during the operation of your mobility scooter, the trouble/fault can be identified according to how many times the LED flashes (Trouble/Fault indicator LED). The description of various fault codes is detailed in further chapters of this instruction manual.

Horn (Buzzer)

Your horn is located on the controller dash panel. To activate the horn, you push the button, and a short beeping noise will be heard. When approaching people from behind it's a good idea to beep your horn to alert them of your approach.

Hazard Button

The Hazard button activates the hazard lights (front and rear blinkers).

- To turn off the hazard lights, press the button again

Throttle Control Levers

Gently squeeze the throttle control lever (depending on whether you want to drive forward or backward) until you reach the desired speed. Your speed is directly proportional to the deflection of the throttle control lever.

- **Note:** You can squeeze one side of the throttle control lever towards you, or you can push the other side away from you to achieve the same effect. Throttle control selection can also be activated by fingers or thumb of both hands, use whichever method is most comfortable for you.
- **To Stop:** Release the throttle control lever. The scooter will stop gradually (within 3mtrs when on a level surface)

Left & Right Turning Buttons:

Before you turn, press the applicable indicator button.

- When a turn indicator is activated, the applicable LED will flash.
- To turn off the indicator, press the button again.

SYSTEM CLOCK SETTINGS

Turn on the key switch, press the mode button to enter the system clock setting mode.

First set the hour by pressing the mode button to increase the number on clock, then long press the mode button to set the minutes and press the set button to add the clock hours and minutes.

When the setting is complete, press mode button to save and exit.

BATTERY CHARGING

Please ensure you read this section of your User'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 before you go to bed at night and disconnect it the next morning.

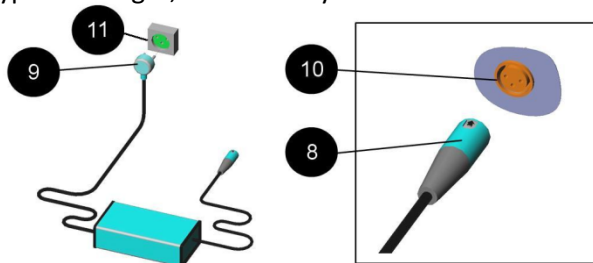
- If the five indicators on controller light up (three green lights, a yellow one, a red one) that means the battery is fully charged.
 - If the yellow and red lights up, that means the battery needs to be recharged.
 - If there are only red lights, then your battery requires immediate charging.
 - The LED on the charger will show red whilst battery is recharging and will turn green once charge is complete.
- 1) 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.
 - 2) 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.

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.
- If 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 retailer.



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 User'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 it's 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 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 manufacture's recommended pressure shown on the tyres and within this user'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 OFF and immediately contact your selling retailer.



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 weighs 21kgs. Each battery weighs 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 retailer (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.

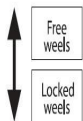


CHILDREN – Special Care must be taken to prevent children from operating your Mobility Scooter or riding as a passenger. Do not allow unsupervised children to play near your Mobility Scooter, especially when charging batteries.



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 can 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 retailer 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 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.

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 can make 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 authorized retailer 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.
- 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.
- If you discover a problem, contact your authorised retailer for assistance.

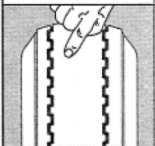
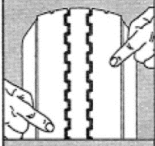
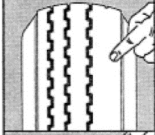
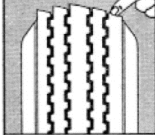
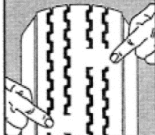
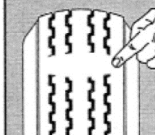
Tyre Inflation

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 always maintained. (Generally, between 25-30psi) 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

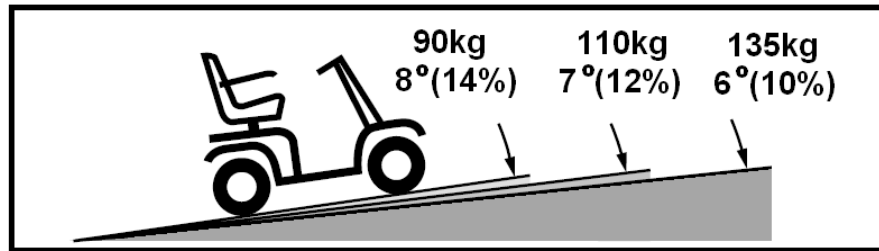
More and more buildings have ramps with specified degrees of inclination, designed for easy and safe access. Some ramps may have turning switchbacks (180-degree turns) that require you to have good cornering skills on your scooter.



- 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

Maximum Recommended Incline Angles



(Subject to scooter size & safe working loads)

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 (17.6lbs) in the rear basket.

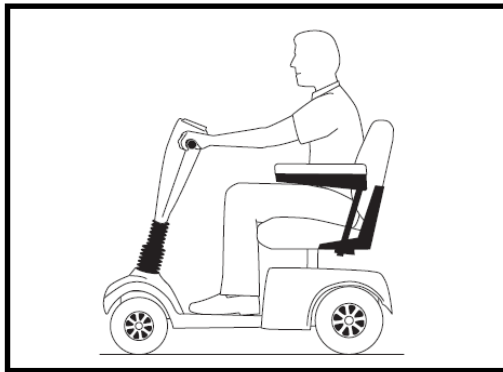


Figure B. Normal Driving Position

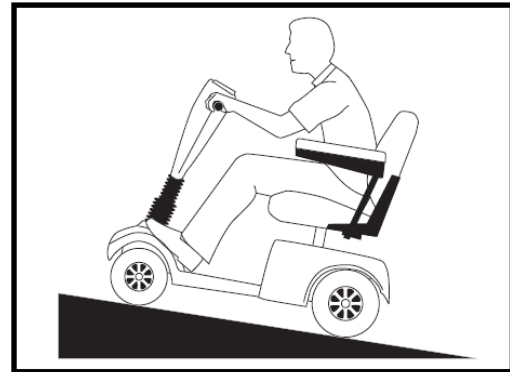


Figure C. Increased Stability Drive Position

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 higher 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 AND 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.

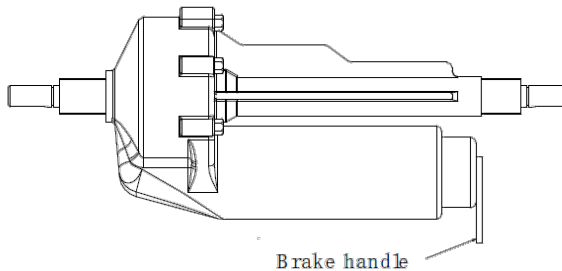
WARNING! Prolonged exposure to extreme hot or cold may affect the temperature of parts of the scooter, possibly resulting in burns. Exercise caution when using your scooter in extremely hot or cold conditions or when exposing your scooter to direct sunlight for prolonged periods of time.

FREEWHEEL MODE

Your scooter is equipped with a manual freewheel mode which can be activated by adjusting the motor brake handle. Note the Phantom has an electric free wheel button located on the underside of the tiller (small yellow button).

- Ensure your scooter is turned OFF.
- Turn the brake handle upwards to engage freewheel mode
- 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 (return brake handle to the downwards position)
- 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.

WARNING! When your scooter is in freewheel mode, the parking system is disengaged.



STAIRS AND 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 STORGE 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 retailer for instructions for disposal or for recycling (which we recommend).*

PREVENTING UNINTENDED TRAVEL

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

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.

GETTING ON/OFF YOUR MOBILITY 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 your weight on the armrests, and do not make the armrests bear weight, such as during transfers.

WARNING! Avoid putting all your weight on the floorboard.

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

REACHING AND 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 must 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.

PRESCRIPTION DRUGS/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 Height Adjustment

The pillar components of seat are designed to be adjustable, so that it will be convenient for you to adjust your seat to the most comfortable height.

There are four parts of the height of the pillar of the seat, as 2.5cm per scope.

To remove the bolt and nut from the seat pillar by using the spanner and adjust the pillar to the suitable height then tighten the bolt and nut again firmly.

Armrest Adjustments

To adjust the angle of the armrests to the most comfortable position, you may need to ask someone's help, all operations as below:

Adjustment of the angle of armrests (Refer to the diagram above)

1. Raise the armrest to the upright position.
2. Remove the cover of the elbow pipe
3. Lower the armrest to the horizontal position
4. Raise the armrest of chair that relates to the screw by turning this screw clockwise with a M8 Allen key, and to lower the armrest by turning it anti-clockwise.
5. Please replace the armrests cover after the adjustment.

Adjustment of the width between two armrests

For the suitable feeling you want, the width between two armrests is adjustable (Refer to the diagram above)

Adjustment steps as below:

1. If you look down from the armrest holder and cast a glance at the base of the seat you will find out that there are two adjustment screws in the fixed tube of every armrest.
2. Loosen the adjustment screw, and then move the armrests inward or outward to the position you need.
3. Tighten the screws.

4. Be sure the length of the holder that is inside the armrest fixed tube is more than 3.5cm, so that the adjustment screws may fix the armrest holder in position.

Tiller Angle Adjustment

The steering tiller can be adjusted with ease for different users according to specific requirements.

Set the steering tiller to the required position by adjusting the knob found on the seat side of the tiller. Push /Pull tiller to required position and release knob.



Adjustment of the angle of seat back

For changing of the angle of the back with ease, just to remove its adjustment bolt, and you may choose the most comfortable position that you want or expect the recommend of medical personnel.

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 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.

- 1) Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered scooter is turned ON.
- 2) Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.
- 3) If unintended movement or brake release occurs, turn the powered scooter OFF as soon as it is safe.
- 4) Be aware that adding accessories or components, or modifying the powered scooter, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the powered scooter.
- 5) Report all incidents of unintended movement or brake release to the powered scooter manufacturer and note whether there is a source of EMI nearby.

If unintended motion or brake release occurs, turn the power OFF as soon as it is safe. The following warning label is attached to your scooter to make users always aware that a possibility of electromagnetic interference exists.

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 retailer 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 retailer

BATTERY REPLACEMENT

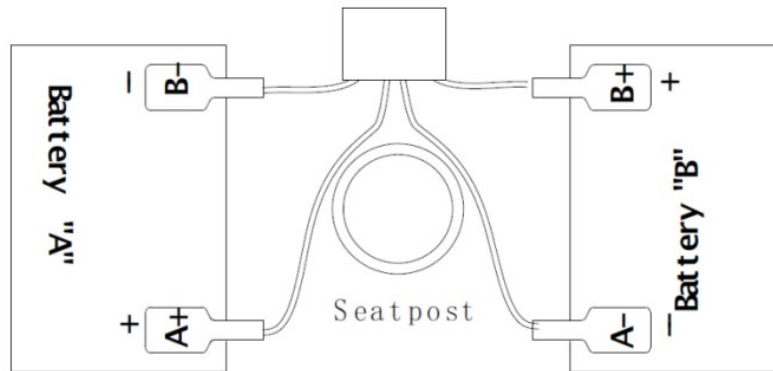
Note! To ensure your safety, Batteries must be replaced by a trained technician only.

Warning! Batteries contain high energy and can spark, resulting in a possible fire hazard.

Warning! Working with batteries can cause damage and Injury if not done properly.

Two batteries are used in the scooter. To connect the wires to the battery correctly (as shown), reference to the tags on the frame of scooter is required.

- As the diagram shows, battery A has positive to the front and negative to the rear. Battery B has the negative to the front and positive to the rear.
- Lead Connection = Black wire to Negative terminals and red wire to positive terminals
- Make sure the connecting point is clean and tighten all the screw nuts to prevent poor contact.



TROUBLESHOOTING (STATUS WARNING LED)

1 Bar 	The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery.
2 Bar 	There is a bad connection to the motor. Check all connections between the motor and the controller.
3 Bar 	The motor has a short circuit to a battery connection. Contact your service agent.
4 Bar 	The freewheel switch is activated or the manual brake disengagement mechanism is operated. Check the position of the switch or lever.
5 Bar 	Not used.
6 Bar 	'The S-drive is being inhibited from driving. Inhibit 2 is active'. This may be because the battery charger is connected or the seat is not in the driving position.
7 Bar 	A throttle fault is indicated. Make sure that the throttle is in the rest position before switching on the scooter.
8 Bar 	A controller fault is indicated. Make sure that all connections are secure.
9 Bar 	The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the controller connections are secure.
10 Bar 	An excessive voltage has been applied to the controller. This is usually caused by a poor battery connection. Check the battery connections.

Remember! Contact your retailer at any time for further professional support.

Replacement Parts

Most replacement parts can be purchased by your selling retailer.

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 Retailer, from where the product was originally purchased, should be notified immediately. Failure to register the fault may invalidate the warranty.

The Retailer from where the product was purchased is responsible for any warranty repairs. Top Gun Mobility warrants as per the terms and conditions below, 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.** *Note: Your selling retailer is responsible for the repairs, and should you not be able to return the product to the selling retailer or another Top Gun Mobility Retailer, you may be liable for any labour charges, parts will be supplied free of charge. You will be liable for all labour and parts costs should the repairs not be covered under 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 it but is in addition to your legal rights.

ONE-YEAR WARRANTY

All electronic parts, including controllers, brakes, and battery chargers, have a (12) month warranty. Servicing the controller or battery charger must be carried out by your authorised Top Gun Mobility Provider.

6 MONTH WARRANTY

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

Any attempt to open or dismantle these items renders the guarantee void on that item.

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 retailer or should you decide to have the retailer come to you, you must bear the cost of the retailers call out fee. Your retailer may choose to waive this cost, but this will be at the retailers discretion only and separate to TopGun 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 a 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

Customers Email Address: _____

Customer: _____

Model: _____

Address: _____

Serial Number: _____

Colour: _____

State: _____ Postcode: _____

Date of Sale: _____

Phone: _____

SERVICE RECORD

is necessary to protect your warranty.

Requested. Service intervals are required as per Maintenance Schedule section of this User's Manual.

RETAILER/REPAIRER: DATE: KLMS:	RETAILER/REPAIRER: DATE: KLMS:
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RETAILER/REPAIRER: DATE: KLMS:	RETAILER/REPAIRER: DATE: KLMS:
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