

SHOPRIDER®

www.shoprider.com.au

mobility

OWNERS MANUAL MODELS



QT3



QT4



GK9



GK10

RELIABLE MOBILITY GUARANTEED

Introduction

Congratulations on the purchase of your SHOPRIDER® scooter

SHOPRIDER® owners are a distinguished, growing group of people who care about quality, performance and craftsmanship. Because of the “Transaxle” engineering SHOPRIDER® scooters are able to navigate a multitude of terrains with comfort and stability other conventional scooters can not provide.

With careful reading of this manual and not exceeding the parameters set down in this manual you can ensure that your SHOPRIDER ® scooter will give you years of trouble free service and enjoyment.

Please ensure that you read this manual carefully, it is important for your safety that you understand the guidelines and instructions given.

This User manual contains the operating instructions for a number of different SHOPRIDER® scooters “Please locate the scooter which represents the model purchased.”

Please complete the information below for future reference:

SHOPRIDER Selling Dealer - _____
Scooter Model Number - _____
Scooter Serial Number - _____
Date of Purchase - _____

ATTENTION:

This owner's manual is printed based on the latest specifications and product information available at the time of publication. SHOPRIDER® reserves the right to make changes as they become necessary. Any changes to the SHOPRIDER® range may cause slight variations between the illustrations and explanations in this manual and the scooter model that was purchased. Where possible a newer version of this manual may be available on our website.

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Safety Rules

Please use your SHOPRIDER® scooter often and let it expand your horizons. The more mobility your SHOPRIDER brings the happier we will be! But as with all things, observing a few rules will ensure safe scootering. So please take the time to read and fully understand each rule below.

- **Do not** ride the SHOPRIDER® scooter without reading this instruction manual.
- **Do not** exceed the safe maximum climbing angle of the scooter.
- **Do not** exceed the maximum user weight at anytime. (Refer Appendix 1) Failure to observe these limits may cause personal injury and invalidate your scooter warranty.
- **Do not** mount or dismount the scooter when turned on. Always ensure the key is switched to the off position.
- **Do not** operate or sit on the scooter if the unit is in Free wheel mode.
- **Do not** drive in reverse unless the speed governing dial is set to Low.
- **Do not** turn suddenly at full speed.
- **Do not** drive your scooter where you can not safely or legally walk.
- **Do not** drive your scooter unless the seat is locked in the driving position.
- **Do not** ride the scooter over deep, soft terrain.(e.g. soft dirt, deep grass, loose gravel)
- **Do not** drink alcohol and then operate the scooter.
- **Do not** use a mobile phone when operating the scooter.
- **Always** keep you feet on the scooter platform when moving.
- **Do not** attempt to drive over curbs that exceed the safe climbing angle for your model of scooter.
- **Always** approach curbs at a 90 degree angle at a slow speed.
- **Always** stop fully before changing direction. (forward & reverse)
- **Always** proceed carefully while riding, especially as you approach the downgrade of a ramp or hill.
- **Always** proceed carefully while driving on rough or uneven surfaces.
- **Always** consult your physician if in any doubt about your ability to operate the scooter safely.
- If equipped **Never** remove the scooters Anti-Tip wheels.
- **Do not** use an escalator to move a scooter between floors – Serious injury could occur.
- **Do not** use any parts or accessories that are not supplied by *Shoprider*®.
- **SHOPRIDER® Doesn't recommend that the scooter users be transported in a vehicle WHILE they are on the scooter.**
- **Do not** use the scooter in the rain. If caught out in a rain shower as soon as possible return the scooter to a dry area and wipe any excess moisture off the scooter.
- **Do not** drive the scooter through puddles.
- **Do not** wash the scooter with a hose if the scooter requires a clean use a damp soft cloth only.
- **Always** ensure the correct pressure is maintained in the tyres on the scooter. Failure to do so may result in unstable handling of the scooter and reduced driving distance.

DISCLAIMER

SHOPRIDER® is not responsible for any damage or injury incurred due to improper or unsafe use of the SHOPRIDER® scooter. Mechanical or electrical defects will be dealt with on a contingency liability basis. The parts will be replaced but no responsibility for any damage or injury can be implied to SHOPRIDER®.

EMI Warning

SHOPRIDER® scooters as with all electric braked scooters may be susceptible to electromagnetic interference (EMI), which is a kind of interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio(HAM) transmitters, two-way radio, and cellular phones. The interference (from radio wave sources) can cause the scooter to release its brakes, move by itself, or move in unintended directions. (Forward or Reverse) It can also permanently damage the scooter's control system but this would likely be at levels exceeding the Australian standard.

The intensity of the interfering EMI energy can be measured in volts per meter (V/M). Each SHOPRIDER® scooter can resist up to a certain intensity. This is called “immunity level” the higher the immunity the greater the protection. At this time current technology is capable of achieving 20V/M immunity level which will provide useful protection from the more common sources of radiated EMI.

The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, “walkie talkie”, security, fire and police transceivers, cellular telephones, and other personal communication devices.

NOTE! Some cellular telephones and similar devices transmit signals while they are ON, even when not being used.

2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances, and taxis. These usually have the antenna mounted on the outside of the vehicle.

3. Long-range transmitters and transceivers, such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.

NOTE! Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we now, are not likely to cause problems to the scooter.

EMI Warning(Continued)

Scooter Electromagnetic Interference (EMI)

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the scooter's control system while using these devices.

This can affect scooter movement and raking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the scooter.

WARNINGS

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 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 scooter OFF as soon as it is safe.
4. Be aware that adding accessories or components, or modifying the scooter may make it more susceptible.

Report all incidents of unintended movement or braking to your Shoprider® provider, and note whether there are sources of EMI nearby. If your scooter does unexpectedly stop then turn the key off, Wait for a few seconds and turn the key back on.

WARNING: Shoprider® Mobility Products is not responsible for damage or injury incurred due to improper and unsafe use of our scooter.

Scooter Tiller Controls

Speed Control Dial

The speed control dial allow the scooter to set the speed between 1 (minimum) and 10 (maximum).

Battery Level Indicator

There are two types of battery level indicators available on the models in this manual please refer to the indicator like the model you have.

Dial Gauge

If your scooter has a battery indicator dial gauge fitted and when fully charged the red pointer will indicate in the green section “F”.

As the charge in the scooter batteries diminishes the battery indicator gauge pointer will move further down the green section.

When the pointer reaches the Yellow section of the gauge the scooter batteries will need a full charge as soon as possible. If the battery indicator gauge reaches the red section of the dial the scooter needs urgent charging.

Led Gauge

If your scooter has a LED battery gauge fitted it has 8 LED light bars which indicate the amount of charge remaining in the batteries for the scooter. As the charge diminishes the LED light will move to the next brightest LED light (from left to right). When the LED light bars move to the last light and start flashing the batteries are in critical need of charging.

Caution – Do Not Allow the LED bars to go out completely as complete discharge of the batteries could cause critical damage to the batteries and scooter electrics.

Lights (where fitted)

A blue coloured button on the tiller operates the lights on the scooter.

Horn

A yellow coloured button on the tiller operates the horn.

Thumb/Finger Lever Control (Wig Wag)

The thumb/finger lever control known as the Wig Wag controls the forward and reverse movement of the scooter. There is a sticker on the tiller to indicate the direction that scooter will travel when the Wig Wag is depressed or pulled. The amount of pressure applied to each lever will determine the speed the scooter will travel. Release the lever and the scooter will slowly come to a stop and the electromagnetic brake will be applied.

Scooter Tiller Controls (Continued)

On/Off Key Switch

Insert the key in to the key barrel on the tiller. Turn the key and the Battery indicator gauge pointer will move to the green or LED light bars light up. There will be a short delay before the thumb/finger lever can be operated, while the controller is checking the circuits.

Indicator Switch (where fitted)

Operates the turn indicators on the scooter.

Hazard Warning Switch (where fitted)

A red button operates all the indicators on the scooter at one time.

Electromagnetic Brake

All *Shoprider*® scooters have Electromagnetic brakes fitted. The brake is automatically operated when the control levers (Wig Wag) are released. There is a very slight delay when the scooter decelerates – This allows the scooter to come to a smooth stop.

Free Wheel Operation

The free wheel release lever (this may be red or yellow depending on the model of the scooter) is located inside the Right or Left rear wheel.

To disengage the motor, move the lever in the opposite direction – The scooter can now be pushed.

To re-engage the motor return the lever to the original location – The scooter should now be unable to be pushed.

WARNING!

Always re-engage the Free Wheeling device after use. Failure to do so may result in Injury.

Do not release the free wheel lever on any incline.

Anti-Tip Wheels

The anti-tip wheels are located at the rear of the scooter frame. The anti-tip wheels are removable on some models. The scooter should not be used unless the ant-tips are fitted.

Shoprider® is not responsible for the damage or injury due to improper or misuse of the scooter.

Operating Your Shoprider® Scooter

Mounting the Scooter

- For your first lesson be sure you and your Shoprider® are on a level surface with plenty of room to test drive the scooter (**ensure the key is not in the scooter**)
- Mount the scooter, either by lifting the armrest and sliding on to the seat or rotate the seat by lifting seat swivel lever and then rotate to face the tiller. Make sure the seat locks in place.
- Adjust the seat so you are comfortable and are able to easily reach the steering tiller.
- Adjust the tiller.
- Ensure you have both hands free and any items such as walking canes are stored in the optional cane/crutch holder (see the dealer if you require one of these optional items).

Starting Scooter Movement

- Insert the Key in to the slot and turn it to the ON position
- The speed setting should be set to 1 or 2 setting.
- Pull the right hand finger lever (Wig Wag) the scooter will move slowly forward. The further you pull/ push the faster the scooter goes but will only reach the speed level that has been selected.
- To STOP release the lever and the scooter will slowly come to a stop and the magnetic brake will be applied.

Steering

Steering the scooter is light and easy. Ensure when starting off you give a wide clearance when turning so that the rear wheels clear any obstacle that you are passing. When steering through limited spaces such as a doorway or when turning around, turn the tiller handles where you want to go and then apply power gently. The scooter will turn very tightly, but will still move with complete stability as long as the speed is not too high.

Do not turn sharply at high speed

Reversing

Before reversing ensure that the area behind is free from any hazards or obstructions. Adjust your speed setting to a low setting before you reverse. Pull/press the left thumb/finger lever (Wig Wag), and steer wide of all corners and obstacles.

Remember that when reversing you have to steer in the opposite direction to the way you want to go. Take your time when reversing to ensure you do not run it to any objects.

Please note your scooter will always travel slower in reverse and has a slight delay before moving, this is due to safety measures built into the scooters electric system.

Maximum User Weight & Incline Angle (continued)

WARNING: Exceeding user weight or incline specifications may damage your scooter & void your warranty.

WARNING: If fitted Never remove the anti-tip wheels from the scooter.

CAUTION: When on any incline or decline never place the scooter in free wheel mode.

CAUTION: When driving on an incline never Zigzag or drive at an angle up the incline. Always drive your scooter straight up the incline. This will reduce the possibility of the scooter tipping.

CAUTION: Do not drive your Shoprider® across the side of an incline Do not stop if possible while driving up or down an incline. Use 7-10 setting on your speed dial when going up an incline and 1-4 when going down the incline.

WARNING: You should not travel up or down a potentially hazardous incline (i.e., areas covered with snow, ice, cut grass, or wet leaves).

WARNING: Shoprider® scooters are capable of climbing slopes greater than those indicated below, do not under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause instability in your scooter and or cause future problems with the electrical systems on the scooter.

Batteries & Battery Chargers

All *Shoprider*® scooters require two maintenance free, sealed lead acid batteries or gel batteries. Please note that if you scooter is fitted with a removable battery pack/ packs your batteries are inside these packs. Battery performance can be affected by temperature, terrain, condition of battery, the weight of the user, etc. The battery level indicator/gauge is only a guide and is most effective when the scooter is being driven, only then is the true battery discharge level displayed. Batteries life is not specific due to a number of reasons however *Shoprider*® encourages that the scooter be placed on charge every night. This should give optimum battery life and performance.

Battery Charger

Batteries required for your scooter are specially designed. All *Shoprider*® scooters require a *Shoprider*® automatic battery charger. These chargers have an electronic switch that will terminate the charge when the batteries are fully charged. It is very important that you do not run the batteries completely flat this will impact on the battery life, performance and may damage the scooters electrics.

***Shoprider*® recommends that only Genuine Shoprider® Chargers be used to recharge the batteries in your scooter.**

Please contact your authorised *Shoprider*® provider for assistance.

Batteries & Battery Chargers

Charging

The battery pack can be charged as an independent unit. It does not have to be connected to the scooter (See Diagram below)

If your scooter has the round battery charge level indicator it will be in the RED section when the battery is very low. If your scooter has the 8 light LED charge level indicator it will require urgent recharging when the last LED starts flashing

QT3 / QT4

Place the MALE socket of the battery charger into the female socket on the battery pack taking care to ensure that the pins line up correctly.

Plug your charger into the wall and turn the power on. The charger light will glow RED indicating the batteries are NOT fully charged. When the batteries have reached their capacity the charger light will glow GREEN.

If you turn your Q.T. Scooter on while the battery charger is still operating a beeping alarm will sound to advise you to turn off and disengage the charger.



Batteries & Battery Chargers (Continued)

GK9 / GK10

To charge the Dual portable battery pack **on** board the scooter refer to the picture below



To charge the Dual portable battery pack **off** the scooter refer to the picture below.



Place the MALE socket of the battery charger into the female socket on the battery pack taking care to ensure that the pins line up correctly. Plug your charger into the wall and turn the power on. The charger light will glow RED indicating the batteries are NOT fully charged. When the batteries have reached their capacity the charger light will glow GREEN.

Please note that the right and left battery pack need to be engaged properly before charging Onboard or Off-board

Charge the batteries completely (12 to 16 hours) prior to first time use.

- Prior to charging please ensure the key is turned off and removed from the scooter.

Your *Shoprider*® charger is fitted with “Standby Mode” which ensures that you can not over charge your batteries.

Transporting Your Scooter

All the scooters in this manual have the ability to be easily transported by following the same basic steps to disassemble then reassemble.

1. Always ensure your scooter is turned OFF on the steering column.
2. Remove your basket by pulling it up gently.
3. Remove your seat by folding the back down and gently pulling up on the seat lever. When the seat lever is up, pull straight up firmly but slowly and the seat will lift off. (As indicated in figure #1)
4. Remove the battery pack for the QT3/QT4 by pulling up and forward on the battery pack handle to release the Velcro tabs holding the battery pack in place. We suggest you place your free hand on the seat post to help support you and make the task easier. (As indicated in figure #2) To remove the battery pack from the GK9/GK10 lift left battery pack then lift the right battery pack (As indicated in Figure#2A)
5. To split the scooter use the red or yellow release lever to release the motor section and lift up to separate. (As indicated in figure #3)
6. Fold the front tiller down onto the QT3 , QT4 & GK9 scooters after turning the tiller knob anti clockwise until the small teeth disengage. (As indicated in figure #4) The GK10 has a red tiller lever disengage by moving the red lever to disengage the pin.(refer figure #4A)
7. Lay the tiller down and engage the tiller lock at the front of the scooter to stop the tiller moving in transit. (Always remember to disengage the tiller lock before using your scooter again. (As indicated in figure #5)
8. The scooter is now ready to be placed in the car.
9. Once the Scooter has been placed in the car the basket and battery pack can be placed loosely around the main components.(Refer figure #6 & 6A)
10. To reassemble the scooter action steps 1 to 9 in the reverse order.

Transporting Your Scooter (continued)



Transporting Your Scooter (continued)



FIGURE #6
SCOOTER DISMANTLED



Free wheeling Device

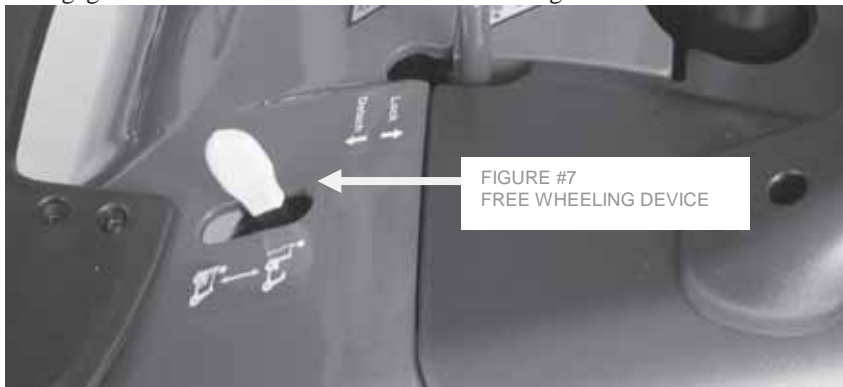
The scooter can be moved manually by moving the free wheeling lever (as indicated figure #7)

This located on the rear section of the scooter and is the Yellow lever.

To free wheel the scooter push the Yellow lever towards the front of the scooter.

To engage the brake pull the lever towards the back of the scooter.

Warning - Do not sit on the scooter while in the free wheel mode & do not disengage the free wheel device when not on level ground



Care & Maintenance

Wheels and Tyres (GK10only)

The wheels of your *Shoprider*® scooter have split rims. This allows any punctures to be repaired easily. To change the wheels remove the center 13 mm bolt and slide the wheel off its axle. Take care not to lose the drive key on the rear wheels. When changing a tyre you must deflate the tyre first. Remove the four bolts to split the rim if required. Ensure that when refitting the wheel the retaining bolt is fitted with a locking washer (with drive key for the rear wheel). Tyre pressure is recommended to be kept at 30 psi on the rear tyres and 25 psi on the front. Note when refitting the tube a small amount of air in the tube will prevent the tube from pinching when reassembling the split rim.

CAUTION: On the tyre it states maximum tyre pressure is 50psi. This is a maximum tyre pressure and the tyres should never be inflated to this pressure.

ATTENTION: Tyres should be maintained at the correct pressure noted above to ensure even wear and ride comfort.

Wheels and Tyres (QT3, QT4 & GK9)

These scooter have polyurethane tyres fitted and they require no regular maintenance

Cleaning

Your *Shoprider*® scooter can be cleaned as required however as with all electrical equipment you must ensure that extreme care is used to not water damage any sensitive parts.

Please read the following warnings:

Only use a soft damp cloth.

NEVER use a hose to wash your scooter.

DO NOT use abrasive cleaning products – Mild detergent only should be used.

General Scooter Maintenance

Every six months check the tiller base bolts, wheel axle bolts, and arm rest angle adjustment bolts and tighten as necessary.

Also check the seat and arm rest tightening knobs and tighten as needed. If your scooter is fitted with authorised *Shoprider*® accessories please check these to ensure the tightening knobs and bolts are secure.

Lubrication

Approximately every six months you should lubricate the following parts on your *Shoprider*®.

The lubrication points are as follows:

- Seat post only.

The suggested lubricants should be done with light grade of grease.

Please note: The breather hole on top of the Transaxle is NOT a grease nipple.

PLEASE NOTE ANY OTHER LUBRICATION MUST BE COMPLETED BY AN AUTHORISED SHOPRIDER® DEALER

Care & Maintenance (continued)

Servicing

Shoprider® recommends that your scooter be service as a minimum every 12 months for average users and every 6 months for heavy users. This will ensure that your *Shoprider*® will continue to deliver the outstanding reliability they are known for. Please contact the selling *Shoprider*® dealer to arrange.

Trouble Shooting Information

Circuit Breaker

Your *Shoprider*® scooter is fitted with the latest in electronic controls that are programmed to protect the electrical system from abnormal overloads. Fitted for extra protection is a circuit breaker, should there be a situation that your scooter stops please check that the circuit breaker has not popped out or tripped. The circuit breaker can be found on the battery box on all model in this manual Please note: Overloading your scooter can be a common reason for your circuit breaker switching. Any overloading must be removed to ensure continued reliable operation.

Check List

If your scooter fails to operate, please check the following:

- Is the key in the correct slot and Turned to the ON position?
- Does the battery level indicator gauge show the Battery level, is it fully charged?
- Is the Freewheeling device in the drive position (can the scooter be pushed)? If it can then the Freewheeling device may be disengaged. Re-engage the Freewheeling device.
- Reset the circuit breaker.

PLEASE NOTE: If the free wheel device has been operated with the scooter switched on, then the scooter will not operate until the ignition key has been switched off and then on again in order to reset the circuits.

Please consult your selling *Shoprider*® provider if your scooter does not run after checking these points.

Technical Specifications

Unit Specifications		QT3	QT4	GK9	GK10
Overall Dimensions L x W x H (I)	MM	960 x 510 x 850	1030 x 510 x 850	1050 x 560 x 880	1285 x 550 x 960
Number Size of Tyres	Front	1/ 200mm	1/ 200mm	2 / 225mm	2 / 265mm
	Rear	2/ 200mm	2/ 200mm	2 / 225mm	2 / 265mm
Maximum User Weight (on flat ground)	KG	110	110	136	136
Total Weight (with batteries Basket & Seat)	KG	37	43	56	75
Heaviest Part	KG	10 front chassis	13 front chassis	16.5 front chassis	21.6 front chassis
Charger		2amp	2amp	3amp	4amp
Battery Size		12amp	12amp	21amp	36amp
Output of Motor	W/HP	336 (0.45)	336 (0.45)	550 (0.75)	600 (0.8)
Maximum Speed (2) Up to on level ground	KPH	6	6	6	8
Maximum Climbing Angle @ Maximum weight shown	% “	15% 9” 60kg	15% 9” 60kg	20% 12” 70kg	15% 9” 91kg
Turning Radius	MM	810mm	1130mm	1150mm	1330mm
Suspension		N	N	N	N

All specifications are subject to change without notice

1. Includes Anti-tip wheels.
2. Driver weight may exceed weight of unit: speed must be reduced when turning.

DISCLAIMER

Congratulations on your purchase of the *Shoprider*®. It is not intended to be used by individuals with physical limitations that could prevent the user from operating this unit safely. *Shoprider*® disclaims all responsibility for any personal injury or property damage, which may occur as a result of improper or unsafe use of its products. Mechanical or electrical defects will be dealt with on a contingency liability basis.

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