

SHOPRIDER NEW ZEALAND

MOBILITY SCOOTER USER'S GUIDE



TE-GK9

Compact Shoprider Mobility Scooter

SHOPRIDER®
New Zealand

CONTENTS

	page		page
1 Introduction.....	1	8 Extra Guidelines in the Control of your Scooter.....	7
2 Features.....	1	Ramps.....	7
3 Safety Precautions.....	2	Safe Climbing Angle.....	7
4 Adjustments.....	3	Grass and Gravel.....	7
Tiller Angle Adjustment.....	3	9 Batteries and Battery Charging.....	7
Folding the Tiller.....	3	Battery Charger.....	7
Seat Removal.....	3	First Time Use.....	8
Seat Height Adjustment.....	3	Charging.....	8
Serial Number Position.....	3	10 Transport / Storage.....	8
Armrest Width Adjustment.....	4	Disassembly.....	8
Armrest Adjustments.....	4	11 Maintenance.....	9
5 Scooter Tiller Controls.....	4	Tyres.....	9
Speed Controls.....	5	General Maintenance and Lubrication.....	9
Battery Level Indicator Gauge.....	5	12 Troubleshooting Guide.....	9
Horn.....	5	Circuit Breaker.....	9
Thumb Lever Control (Wig Wag).....	5	Check List.....	9
Key Switch.....	5	13 Warranty Information.....	10
Electromagnetic Brake.....	5	14 Technical Specifications.....	11
6 Drive/Freewheel Operation.....	5		
Anti-tip Wheels.....	6		
7 Starting to Drive your Scooter.....	6		
First Time Use.....	6		
Getting Started.....	6		
Starting Scooter Movement.....	6		
Steering.....	6		
Reversing.....	6		
Dismounting.....	6		

1. INTRODUCTION

Congratulations on your purchase of the Shoprider® TE-GK9 Portable scooter. The TE-GK9 is the ultimate combination of style, comfort and portability.

The TE-GK9 includes several innovative and convenient features.

The TE-GK9 goes with you wherever you go and can be assembled or disassembled in just seconds with wireless quick-connect components. The TE-GK9 is light and compact, and can be stored in small areas such as the trunk or back seat of your car. The compact features support easy transportation of your TE-GK9 for today's active lifestyle. The TE-GK9 can be used in confined spaces both indoors and out. Direct drive transaxle and automatic electromagnetic brake give a smooth, safe and efficient ride. We know that the TE-GK9 portable scooter will provide many years of mobility for you.

This manual contains important information regarding the safe use of your scooter. Please, read it carefully before using the scooter and make sure you understand the instructions.

2. FEATURES



- 1 Tiller control head
- 2 Adjustable angle fold down detachable seat
- 3 Removable flip-up armrests
- 4 Detachable basket

- 5 Detachable battery pack
- 6 Tiller adjustment knob
- 7 Swivel seat adjustment
- 8 Puncture proof tyres
- 9 Fold down tiller lock

3. SAFETY PRECAUTIONS

- Do not drink alcohol and drive
- Do not drink/eat or use a mobile phone while riding
- Do not carry passengers
- Do not exceed any incline over 9°
- Do not turn on steep inclines
- Do not proceed on any incline that has oil, ice or other slippery substances
- Proceed carefully when on any incline, always lean forward
- Do not operate scooter without anti-tip wheels attached - doing so could cause injury
- Do not turn suddenly at full speed
- Do not mount or dismount the scooter unless the brake is engaged and the key is off
- Do not switch off the scooter while the scooter is moving
- Do not ride the scooter where you cannot safely walk (e.g. soft dirt/sand, deep grass, loose gravel)
- Always proceed carefully while riding on uneven surfaces
- Do not ride the scooter on roads, streets or motorways
- Remember to observe all rules and regulations of other pedestrians
- Do not attempt to climb over kerbs greater than 2 inches (5cm). For kerbs under 2 inches, always approach slowly and at 90° to the kerb.
- Do not reverse the scooter unless the speed dial is set low
- Always stop fully before changing direction (forward or reverse)
- Always keep your feet on the platform when riding
- Do not use parts or accessories that are not authorised by Shoprider NZ
- Do not connect any medical device to the scooter battery - doing so could cause injury
- Do not exceed the suggested user weight limit - doing so could cause injury and invalidate the warranty
- Make sure the tiller and seat are properly adjusted - failure to do so could cause personal injury
- Do not sit on your scooter while the scooter is being transported in a vehicle - doing so could cause injury
- Do not use the scooter as a commercial delivery vehicle, e.g. for delivery of leaflet, newspapers etc
- Do not use the scooter in the rain, in the shower, or in any wet environment - direct exposure to wet can cause rust and failure of the electronics

Shoprider/Shoprider NZ Ltd are not responsible for any damage or injury caused due to improper or unsafe use of their scooters.

EMI Warning

Shoprider 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. 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. Be aware of nearby transmitters, such as radio or TV stations and try to avoid getting close to them. Adding accessories or components or modifying the scooter may make it more susceptible to EMI.



Fig. 2



Fig. 3

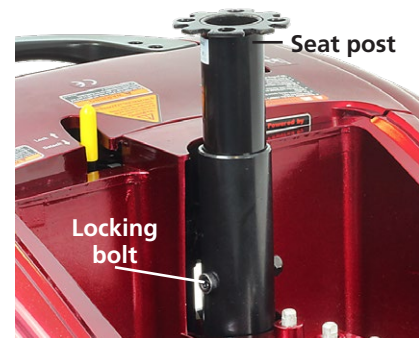


Fig. 4



Fig. 5

4. ADJUSTMENTS

Tiller Angle Adjustment (Fig 2)

At the base of the tiller is a round knob.

Turn the knob counterclockwise to loosen the tiller and select the desired tiller angle. Turn the knob clockwise to securely lock the tiller into place.

Folding the Tiller (Fig 2)

Fold down the tiller by loosening the tiller angle adjustment knob located at the base of the tiller. Tighten knob to lock tiller in place.

You may lock the tiller assembly into place so that it doesn't swing from side to side by lifting the yellow tiller lock lever up and to the right. (Do not forget to unlock the tiller lever lock when driving scooter.

NOTE: For Safety, this lock is designed to break away if the scooter is driven when locked.

Seat Removal (Fig 3)

Fold down the back of the seat. Lift the swivel seat release handle up to lift the seat up and off the seat post.

Seat Height Adjustment (Fig 4)

Remove seat as described (fig 3). Remove battery pack (refer to disassembly section). Using two 13mm wrenches, remove locking bolt and nut.

Adjust seat post up or down to desired position.

The seat height can be adjusted to five different positions by inserting the locking bolt in the desired hole. Replace washer and nut and tighten.

Replace battery pack and seat.

Serial Number (Fig 5)

Serial number is located on the seat post. It is on a white sticker with a barcode. The serial number is 13 alpha numerical digits beginning with the number 1.



Fig. 6

Armrest Width Adjustments (Fig 6)

On the underside back of the seat there are two arm rest hand knobs, one on each side. Turn hand knobs counterclockwise to loosen.

Loosening the arm rest hand knob allows the armrest width to be adjusted or arm rest to be removed. Once the desired positions of the arm rests are set, tighten the hand knobs by turning clockwise to lock the arm rests into place.

Armrest Adjustments (Fig 6)

The arm rests may be pulled up and out of the way for sideways transfer. Pull arm rest up and back.

The arm rest angle may be adjusted by turning the adjustment screw either clockwise or counterclockwise depending on the desired angle.

5. SCOOTER TILLER CONTROLS (FIG 7)



Fig. 7

Speed Controls (Fig 7)

The speed control allows you to set a speed between slow (turtle) and fast (rabbit).

Battery Level Indicator Gauge (Fig 7)

Where the needle sits, shows the amount of charge left in your batteries. The amount of charge will only show at its true level when the scooter is in drive. Always charge the batteries completely before beginning out on any journey.

Caution – Do not allow the gauge needle to go down completely as complete discharge of the batteries could cause irreversible battery damage.

Horn (Fig 7)

A yellow button on top of the tiller operates the horn.

Thumb Lever Controls (Fig 7)

The left thumb lever controls the reverse and the right thumb lever controls the forward motion. The amount of pressure applied to each lever will determine the speed the scooter travels at up to the speed selected. Release the thumb lever and the scooter will automatically come to a stop as the electromagnetic brake is applied to the motor.

On/Off Key Switch (Fig 7)

Insert the key into the key switch located on top of the tiller. Turn the key and the battery gauge needle will move. There may be a slight delay before the thumb lever control can be operated, while the main controller checks the circuits.

Electromagnetic Brake

The brake is automatically operated when the thumb control levers are pressed or released. There is a slight delay when the scooter accelerates and decelerates; this allows the scooter to TE-GK9 smoothly and come to a smooth stop.

6. DRIVE/FREEWHEEL OPERATION (FIG 8)

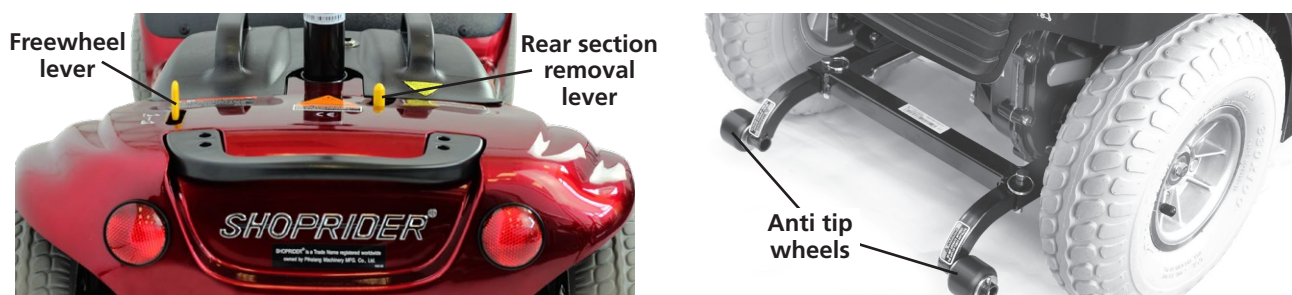


Fig. 8

The drive/freewheel lever (yellow handle) is located under the seat at the left rear of unit. This lever allows you to disengage the drive mechanism and push the scooter while in freewheel mode. To disengage the drive mechanism (neutral), move the lever forward (the scooter can now be pushed). To re-engage the drive mechanism (drive), move the lever backward (now the unit may be driven).

Note: The scooter will not operate while the drive/freewheel lever is in the neutral position (forward). The scooter must be turned off, lever moved backward (drive position) and then turned on in order to reset the circuits.

WARNING! Always re-engage Freewheel lever after use. Failure to do so may result in injury.

Anti-tip wheels

The anti-tip wheels are located at the rear of the scooter frame (Fig 8). The scooter should not be used unless the anti-tipping wheels are in place.

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

7. STARTING TO DRIVE YOUR SCOOTER

First Time Use

Prior to using your TE-GK9 Portable scooter for the first time, you must charge the batteries fully (refer to Battery Charging Procedures). Charging may take up to 12 hours. Charging the batteries completely prior to first time use will benefit battery efficiency. Failure to do so may cause permanent damage.

Getting Started

- Select a level area with plenty of space.
- Mount the scooter by pushing the arm upward out of the way and sliding onto the seat or swivel the seat around to mount. Use the arm rest for support if necessary.
- Adjust the tiller and seat as previously described.

Starting Scooter Movement

- Ensure that you are seated in a comfortable position.
- Turn the key to the on position.
- Your speed setting should be on or near the turtle (slow).
- Push your right thumb lever (yellow) and the scooter will move forward slowly. The harder you push, the faster the scooter goes but will only reach the speed level that has been selected.
- Release the lever and the scooter will slowly come to a stop as the magnetic brake automatically engages.

Steering

Steering the scooter is light and easy. When Starting off ensure that 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 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.

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 move in reverse. Push your left thumb lever (black), and steer wide of all corners and obstacles.

Dismounting

Before dismounting ensure that the key is turned to the off position.

Dismount the scooter by pushing the arm upward out of the way and sliding off the seat or swivel the seat around to dismount. Use the arm rest for support if necessary.

CAUTION: Please ensure that care is exercised when mounting or dismounting the scooter and that the tiller and foot rest is not used for support.

8. EXTRA GUIDELINES IN THE CONTROL OF YOUR SCOOTER

Ramps

The stability of your scooter is governed by several factors such as the seating position, the angle of the slope and your height and weight. When approaching an incline, do so directly and not at an angle and where ever possible avoid making turns. When going down a ramp or slope keep the speed settings to slow. This will ensure there is a safe controlled descent. When the thumb levers are released the scooter will slowly stop.

Safe Climbing Angle

Always follow the guidelines of the safe climbing angle as shown in figure 9.

Caution - Do not turn off the control key while the unit is in motion

Grass and Gravel

Please follow the guidelines given previously and your scooter will perform admirably over many surfaces. Avoid long grass, loose gravel and sand.

NOTE: You should not operate your scooter in wet weather or on wet surfaces. This may cause the motor to short out or cause other irreversible damage.

NOTE: To preserve battery charge, your scooter may go into sleep mode after being idle for a few minutes. To remove from sleep mode, turn the key off and back on again.

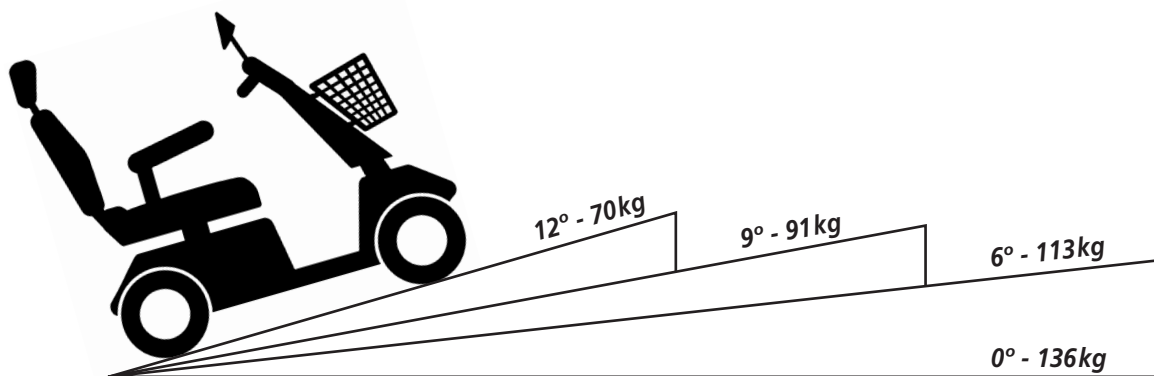


Fig. 9

9. BATTERIES AND BATTERY CHARGING

The Shoprider® TE-GK9 Portable scooter is supplied with maintenance-free, sealed lead acid batteries. For easy handling, the batteries are contained within a battery pack. Battery life and performance may be affected by temperature, terrain, condition of battery, the weight of the user, care of batteries, and other conditions. The battery needle gauge is only a guide and is most effective when the scooter is moving, only then is the true discharge level displayed.

- When the scooter stops the battery needle gauge may indicate full.
- An active user can use up to 30% of battery capacity or more per day.
- Inactive users may only use 50% of battery capacity in a week.
- In both these instances the battery should be put on charge over night.

****Keeping the batteries charged at all times will extend the life of the batteries****

Battery Charger

The battery charger is a 3-amp transformer type off board. The TE-GK9 Portable scooter has

a built in charger port on the rear side of the battery pack. This special feature allows the batteries within the battery pack to be charged without the scooter.

First Time Use

Prior to using your TE-GK9 Portable scooter for the first time, you must charge the batteries fully (refer to Battery Charging Procedures). Charging may take up to 12 hours. Charging the batteries completely prior to first time use will benefit battery efficiency. Failure to do so may cause damage.

Charging

To charge the batteries connect the 3-pin male plug lead into the 3-pin female battery charging socket located on the battery pack. Plug the A/C cord plug into the wall socket and the other end into the charger (2-pin). The battery charger has two indicator lights. The red light shows the batteries are charging. When the light turns green while connected to the charging port the batteries are fully charged. Once the batteries are completely charged, unplug the A/C cord from the wall then unplug the 3-pin lead from the battery pack. Remove charger once charging cycle is finished.

WARNING: Only use the original Shoprider approved charger!

This charger is for indoor use only. DO NOT expose it to rain or water spray.

Do not leave the charger plugged into the charger port if the charger is not charging.

10. TRANSPORT / STORAGE

The TE-GK9 Portable scooter is designed to be quickly and easily disassembled into sections for transportation and storage. Follow these simple guidelines for disassembly:

TE-GK9 Disassembly (Fig 10 - 13)

- 1) Remove the front basket: Lift basket up and off. **(Fig 10)**
- 2) Fold the seat down and remove: Pull yellow seat lever up and lift seat up and off. **(Fig 11)**
- 3) Remove battery pack: Lift battery pack up and off using handle (Note: battery pack may be removed in 2 parts). **(Fig 12)**
- 4) Fold tiller down and lock into place: Loosen tiller adjustment knob, lower tiller, and tighten adjustment knob. Lock tiller assembly so that it doesn't swing sideways by pulling yellow tiller lock lever up and to the right. **(Fig 13)**
- 5) Detach rear section from front section: Detach lever is located in the rear of the scooter next to the freewheel lever. Slide lever to "detach" and separate rear section from front section.



Fig. 10



Fig. 11



Fig. 12



Fig. 13

11. MAINTENANCE

Tires

Since your tires are flat free tires, there is no need to ever worry about tire air pressure.

General Maintenance and Lubrication

- Inspection for loose wheel bolts, seat and arm tightening bolts, and other nuts and bolts is recommended on a regular basis.
- Most lubricated components on the TE-GK9 Portable scooter are designed to be maintenance free and are sealed. Therefore lubrication is not required for these components. However, the driving axles and seat post should always have a very light coat of multipurpose grease.

DO NOT USE TOO MUCH GREASE!

Drips may stain or damage carpets, furnishings, etc.

- It is recommended that the driving axles (inside the drive wheel assembly) be checked and cleaned occasionally for hair and debris build-up, which will hinder the performance of the unit.
- Check the batteries on a regular basis. For extended battery life, it is highly recommended that the batteries be fully charged after each use. If the batteries are weak, severely discharged or old, a variety of problems may occur with the unit including charging problems, reduced speed, loss of range, and others. Please contact your local Shoprider® provider for battery replacement.

12. TROUBLESHOOTING GUIDE

Circuit Breaker (Reset Button)

Your scooter is fitted with the latest in electronic controls that are programmed to protect the electrical system from abnormal overloads. Provided for extra protection is a circuit breaker, located on the top of the battery pack. Should there be a situation where your scooter stops for no apparent reason, please check that the circuit breaker has not popped.

NOTE: To preserve battery charge, your scooter may go into sleep mode after being idle for a few minutes. To reset, turn the key off and back on again.

Check List

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

- Unit is switched on.
- Drive/Freewheel lever is in the drive position.
- All plugs and connectors are clean and firmly connected. Push reset button.
- Battery level shows full charge.

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.

Please consult your dealer if your scooter does not run after checking these points.



13. WARRANTY INFORMATION

The Shoprider Scooter carries the following warranty against defects in materials

1. Chassis for a period of five years
2. All components of the unit for a period of 18 months excluding batteries, tyres, tubes and fuses
3. Batteries are covered by the battery manufacturers warranty.

Misuse of the scooter, operation not in accordance with the owners manual, exceeding the load capacity or performance specification and modifications to the scooter by anyone without approval by Shoprider NZ will void the warranty. Warranty only applies to the original purchaser.

Copy the following information from your dealer for future reference:

Model No. _____

*Serial No. _____

Charger Type & No. _____

Battery type & No. _____

Your Shoprider Dealer

*Serial number located
on the seat post



14. TECHNICAL SPECIFICATIONS

UNIT SPECIFICATIONS TE-GK9

Overall Dimensions: L ¹ x W x H	inches	41.3" x 22" x 35"
Number, Size of Tires	Front	2 , 9"
	Rear	2 , 9"
Suggested User Weight (on the Level Road)	lbs	MAX 300
Weight of Rear Chassis w/ Drive Train Assy	lbs	31
Total Weight (w/ 12Ah Battery Pack, Basket, Seat)	lbs	123
Weight of Seat w/ Arm Assys	lbs	24
Battery Pack Module Weight	lbs	32
Battery Module Capacity _	V Ah x Pcs	12V 21Ah x 2
Charger	Amps	Off Board 3-Amp
Output Power of Motor	hp	0.75
Maximum Speed ²	mph	3.8
Maximum Climbing Angle (based on user weight of 100kg/220lb) / Safe Climbing Angle	% (°)	(Fig. 9)
Range ³ (per charge w/ STD 12Ah Battery / 90 kg User Weight) (After the battery and mechanical moving parts fully break in)	miles	11.25~12.5 *Range varies with the weight of occupant and other factors
Turning Radius	inches	45.3"
Handle Bar	Type	T-BAR
Detachable Chassis	Y/N	Y
Suspension	Y/N	N
Emergency Hand Brake	Y/N	N
High / Low Speed	Y/N	N

*****ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE*****

1. Including the Anti-Tip wheels.
2. If the operator weight exceeds the weight of the unit, the speed must be reduced when turning.
3. The actual driving range varies with the factors shown below:
 - a) the weight of occupant
 - b) ground surface
 - c) battery conditions
 - d) type of charger
 - e) ambient temperature
 - f) the way of driving
 - g) terrain



108 Sawyers Arms Rd, Papanui, Christchurch, New Zealand
Freephone: 0800-220-110 • Fax: +64-3-354-4356 • Email: freedom@shoprider.co.nz

Your Shoprider Dealer