

SHOPRIDER®

EZ Chopper

Portable Recreational Scooter

Model: S8M

User Manual





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SHOPRIDER®

INTRODUCTION

Congratulations on your purchase of the Shoprider® EZ Chopper Portable scooter. The EZ Chopper is the ultimate combination of style, durability and portability. The EZ Chopper Portable scooter is super lightweight and can be stored in small areas such as the trunk or back seat of your car. The EZ Chopper Portable scooter goes with you wherever you go and can be assembled or disassembled within seconds. The compact features support easy transportation of your EZ Chopper for today's active lifestyle. The EZ Chopper Portable scooter's high ground clearance allows for use outdoors, easily maneuvering over rough terrain, speed bumps, trails, in parks, and campgrounds. Hub drive technology gives a safe and efficient ride. We know that it will provide many years of mobility for you.

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

FEATURE GUIDE (Fig 1)

1. Tiller control head
2. Detachable seat
3. Flip-back arm rests
4. Detachable battery pack
5. Puncture proof tires
6. Hand brake
7. Forward / Reverse lever



Figure 1



SAFETY ADVICE

- DO NOT carry passengers.
- DO NOT exceed inclines over 8 degrees (14% grade).
- DO NOT turn on steep inclines.
- DO NOT turn suddenly at high speeds.
- DO NOT get on or off the scooter unless the scooter is switched off.
- DO NOT switch off the scooter while the scooter is moving.
- DO NOT drive the scooter where you can not safely or legally walk.
- DO NOT attempt to drive over curbs greater than 3 inches in height. Doing so could cause your scooter to turn over, causing injury or damage to the scooter.
- DO NOT drink or use a mobile phone when driving your scooter.
- DO NOT exceed the suggested user weight limit. Doing so, could cause personal injury and invalidate the warranty.
- ALWAYS keep your feet on the scooter when moving.
- Consult your doctor if there is any doubt about your ability to use a scooter safely.
- ALWAYS slow down and proceed carefully when traveling over rough or uneven ground.
- For individuals with balance problems practice getting on the scooter with assistance.
- DO NOT use an escalator to move a scooter between floors. Serious injury could occur.
- DO NOT drive the scooter on an incline that has oil, water or ice film on it.
- DO NOT try to lift the scooter by its seat, tiller, or any removable parts. Any of these could cause injury to the user or damage to the scooter.
- DO NOT use parts or accessories that are not authorized by Shoprider®.
- Before sitting in or exiting the scooter, REMOVE the key from the ignition. This will insure the POWER is off and the scooter can not move under its own power.
- As a general precaution, always remove the key from the ignition while the scooter is not in use. This will prevent use by untrained and unauthorized persons.
- DO NOT connect any medical device to the scooter battery. This could cause failure of the device, the scooter and personal injury.
- Make sure the tiller is properly assembled or damage and injury could result.
- DO NOT transport in a vehicle WHILE seated on the scooter. Shoprider® will not be responsible for any injury or damage that might result.
- DO NOT use the scooter in the rain or near any other water source where the scooter may get wet. Direct exposure to rain or dampness could cause damage to the scooter electrical components.
- For maximum battery life, make sure to fully charge batteries for up to 8 hours prior to first use.



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. The interference (from radio wave sources) can cause the scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the scooter's control system.

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 know, are not likely to cause problems to the scooter.

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 braking. 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 to EMI.

NOTE! There is no easy way to evaluate the overall immunity of the scooter.

5. Report all incidents of unintended movement or braking to Shoprider®, and note whether there are sources of EMI nearby.

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

ADJUSTMENTS

Handlebar Adjustment (Fig 2)

The handlebar angle may be adjusted farther or closer to the seat. To adjust, loosen the nut that secures the tiller control head. Push the tiller control head to the left side. Loosen the hex bolt nut and move the handlebars to the desired position. Tighten the hex bolt nut securely. Push the tiller control head back into place and tighten nut.



Figure 2

Arm Rests (Fig 3)

Arm rests can be pushed up and out of the way. Hold the end of the arm rest and pull upwards. This makes for clear easy transfers in and out of the seat. Push arm rest back down into position.



Figure 3

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SCOOTER TILLER CONTROLS (FIG 4a &4b)

Speed Controls

The speed control allows you to set a speed between turtle (minimum) and rabbit (maximum).

Battery Level Indicator Gauge

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.

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

Horn

A yellow button at the left side of the tiller control head operates the horn.

Hand Lever Controls

The right hand lever (yellow) controls the forward and reverse motion. The amount of pressure applied to the lever will determine the speed the scooter travels at up to the speed that has been selected. Release the lever and apply the hand brake and the EZ Chopper will come to a stop. You need only apply slight pressure to the hand brake for the EZ Chopper to come to a smooth stop.

On/Off Key Switch

Insert the key in the right side of the tiller. Turn the key and the battery gauge needle will move.

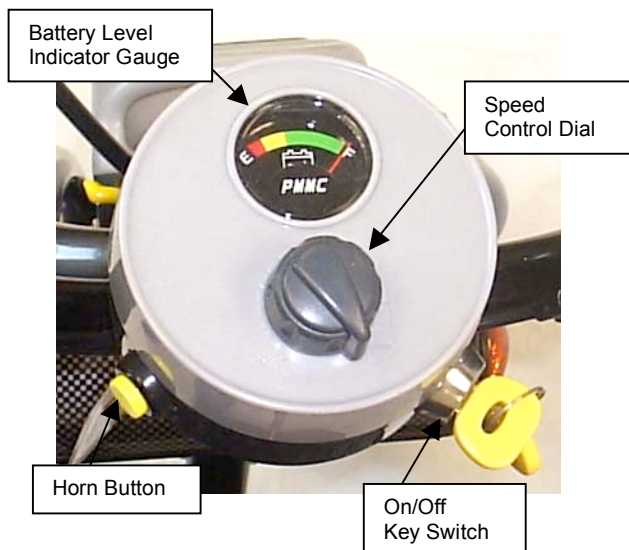


Figure 4a

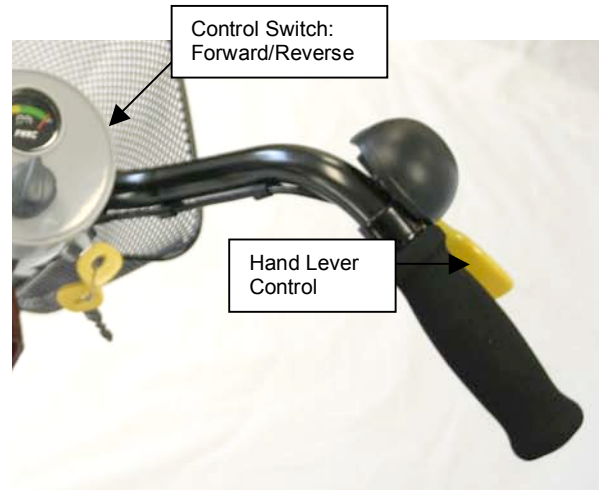


Figure 4b

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HAND BRAKE (FIG 5)

The hand brake, when applied, will easily stop the scooter. Do not apply the hand brake at the same time that the forward / reverse lever is applied or serious injury or damage to the scooter could occur.

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

The hand brake is equipped with a locking mechanism which allows the EZ Chopper wheels to be locked to prevent rolling when not in use. Squeeze the brake lever, push the lock pin in and the scooter wheels will be locked. To release, squeeze the hand brake.

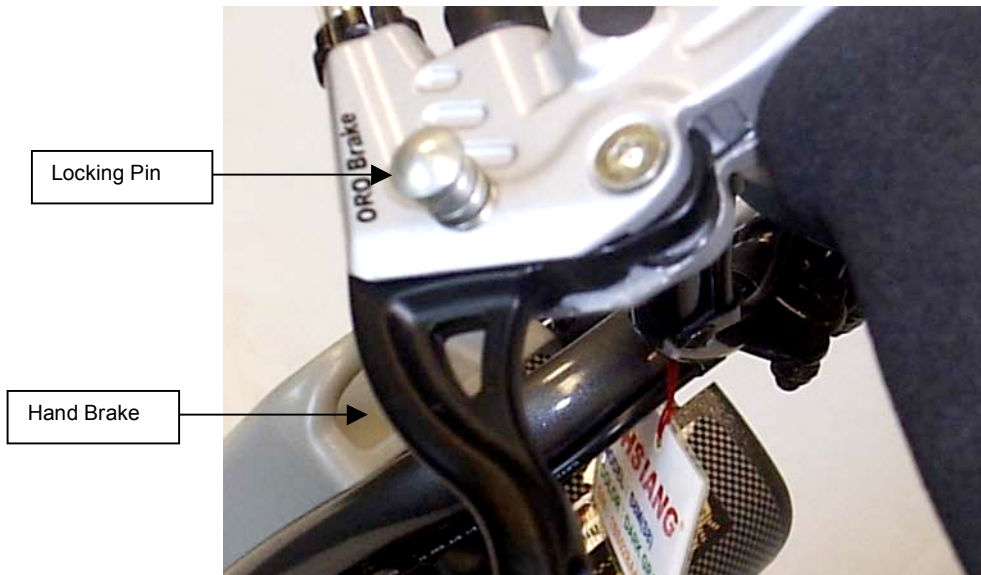


Figure 5



STARTING TO DRIVE YOUR SCOOTER

First Time Use

Prior to using your EZ Chopper 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.
- Adjust the tiller 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 setting (slow).
- Squeeze the right hand lever (yellow) toward you and the scooter will move forward slowly. The harder you squeeze, the faster the scooter goes but will only reach the speed level that has been selected.
- Release the lever and apply the hand brake, the scooter will come to a stop.

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 slow setting before you move in reverse. Push the right hand lever (yellow) away from you, and steer wide of all corners and obstacles.

Dismounting

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

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.



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.

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.

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

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TRANSPORT / STORAGE

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

EZ Chopper Disassembly (Fig 6, 7, & 8)

- 1) Remove battery pack. Pull yellow lever to release and remove battery pack. (Fig 6)
- 2) Remove seat. Lift seat up and off seat post. (Fig 7)
- 3) Remove rear wheels. Push the quick-release button in center of wheel to remove. (Fig 8)
- 4) Remove handlebars. Unscrew yellow lever located at bottom of handlebars and lift frame up and off bottom handlebar post. (Fig 8)



Figure 6



Figure 7



Figure 8



BATTERIES AND BATTERY CHARGING

The Shoprider® EZ Chopper Portable scooter is supplied with two 12v-12a 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, and care of batteries. 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 will extend the life of the batteries

Battery Charger

The battery charger is a 3-amp transformer type off board. The EZ Chopper Portable scooter has a built in charger port on the 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 EZ Chopper 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 on the battery pack. Plug the A/C cord plug into the wall socket. The battery charger has two indicator lights. The solid red light indicates power and green flashing light shows the batteries are charging. When the green light stops flashing and becomes solid green, the batteries are completely charged. The charger will automatically stop charging once 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.

If the red light flashes when the charger is plugged into the battery pack, there is a break in the connection between the charger and batteries. Reset the circuit breaker, and if necessary, check the battery fuses located within the battery pack for a blown fuse.

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.



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 bolts, and tightening bolts is recommended on a regular basis.
- Most lubricated components on the EZ Chopper Portable scooter are designed to be maintenance free and are sealed. Therefore lubrication is not required for these components. However, the rear axles 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 rear axles 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 Shoprider® for battery replacement.

TROUBLESHOOTING GUIDE

Circuit Breaker

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 side 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.

Check List

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

- Unit is switched on.
- Battery pack is seated correctly and making good contact.
- Battery level shows full charge.
- Reset circuit breaker.
- Hand brake locking mechanism is unlocked.

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



TECHNICAL SPECIFICATIONS

UNIT SPECIFICATIONS		EZ Chopper
Overall Dimensions: L ¹ x W x H	in	50"x 24"x 38"
Number, Size of Tires	Front	1 , 9"
	Rear	2 , 12"
Suggested User Weight (on the level road)	lb	Max. 250
Weight of Heaviest Part (Front Chassis Assy)	lb	30
Total Weight of Unit (w/ batteries, seat)	lb	84
Battery Pack Module Weight	lb	22
Battery Module Capacity	$\frac{V_Ah}{x\ Pcs}$	12V12Ah x 2
Charger		Off Board (2A)
Output Power of Motor	W/hp	300/0.4
Maximum Speed ²	mph	5
Maximum Climbing Angle (based on user weight of 200lb) /Safe Climbing Angle	% (°)	10%(6°)
Range ³ (per charge w/ STD 12AH Battery / 200lb User Weight) (After the battery and mechanical moving parts fully break in)	mile	8
Turning Radius	in	46"
Ground Clearance	in	3"

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

1. Include the Anti-Tip wheel.
2. Driver weight may exceed weight of the unit; 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
 - h) etc



QUARTERLY INSPECTION

For your own safety, quarterly inspection and service on the product is recommended. Maintenance records (below) should be kept at all times. The manufacturer / distributor / vendor will be indemnified from any product liability claim if the above maintenance / service requirement is not met.

NOTE! Regular (Monthly) inspection is strongly recommended by the manufacturer to ensure ultimate performance of the vehicle.

Service Record: _____ **Date of Purchase:** / /

Purchaser: _____

Model #: EZ Chopper Serial #: _____

Provider Unit Was Purchased From: _____

M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y
M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y
M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y
M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y
M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y	M / D / Y



NOTES:



WARRANTY

Please refer to warranty information included with unit.

DISCLAIMER

Congratulations on your purchase of the **Shoprider®** EZ Chopper scooter. 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.

The preceding guidelines are intended to assist you in the safe operation of your powered scooter. If you should have any questions about the correct operation of your scooter, please contact your authorized **Shoprider®** provider.

Model No. **S8M** Serial No.

Shoprider®
(800) 743-0772