

SHOPRIDER NEW ZEALAND

MOBILITY SCOOTER USER'S GUIDE



TE-779XLS

Powerful Shoprider Mobility Scooter

SHOPRIDER®
New Zealand

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1. INTRODUCTION

Congratulations on your purchase of the Shoprider® scooter. This scooter incorporates the latest innovative designs patented and only available on a Shoprider® scooter. This scooter can be used in outdoors. Direct drive transaxles and electromagnetic brakes give a safe and efficient ride. This Shoprider® scooter is designed for persons with limited mobility.

Please read this manual carefully and thoroughly before using your scooter and make sure you understand all the instructions.

2. FEATURES



- 1 Tiller Handle Bar
- 2 Black Vinyl Captain Seat
- 3 Armrests
- 4 Seat Reclining
- 5 Black Pneumatic Tire
- 6 Footrest Mat
- 7 Front Suspension Forks

- 8 LED Headlight
- 9 LCD Display
- 10 Charging Port
- 11 Rear Indicators & Hazard Lights
- 12 Brake & Taillights
- 13 Rear Suspension

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. 1



Fig. 2

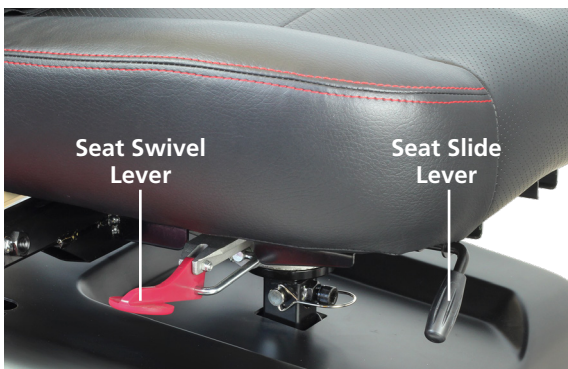


Fig. 3

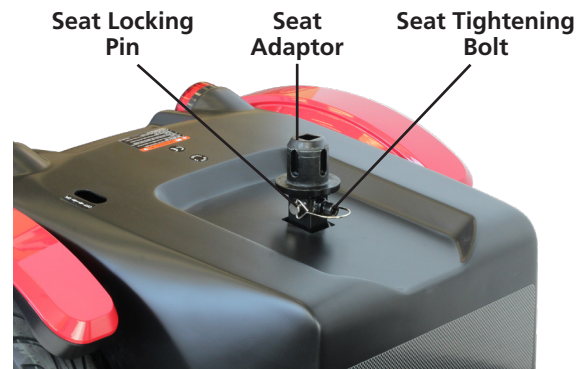


Fig. 4

4. ADJUSTMENTS

The Shoprider® Scooter allows various adjustments to be made to suit the individuals requirements:

Armrest Angle Adjustment (Fig. 1)

Flip up the armrests to allow access to the adjusting dial located under the armrest wind the adjusting dial **(Fig. 2)** in a either clockwise or anti clock direction to adjust the armrest up or down.

Do not use the scooter without the arms being fitted.

Seat Slide & Swivel Adjustment (Fig. 3)

Pulling up on the seat slide lever allows the seat position to be adjusted forward or backward. Release the lever and the seat will lock in that position. Under the right side of the seat there is a spring loaded red lever. Pulling up on the lever allows the seat to swivel, when released the seat will lock into one of 3 positions.

Seat Removal (Fig. 4)

Fold down the back of the seat. Pull up the swivel seat adjustable lever **(Fig. 3)** and lift seat off.

Seat Height Adjustment (Fig. 4)

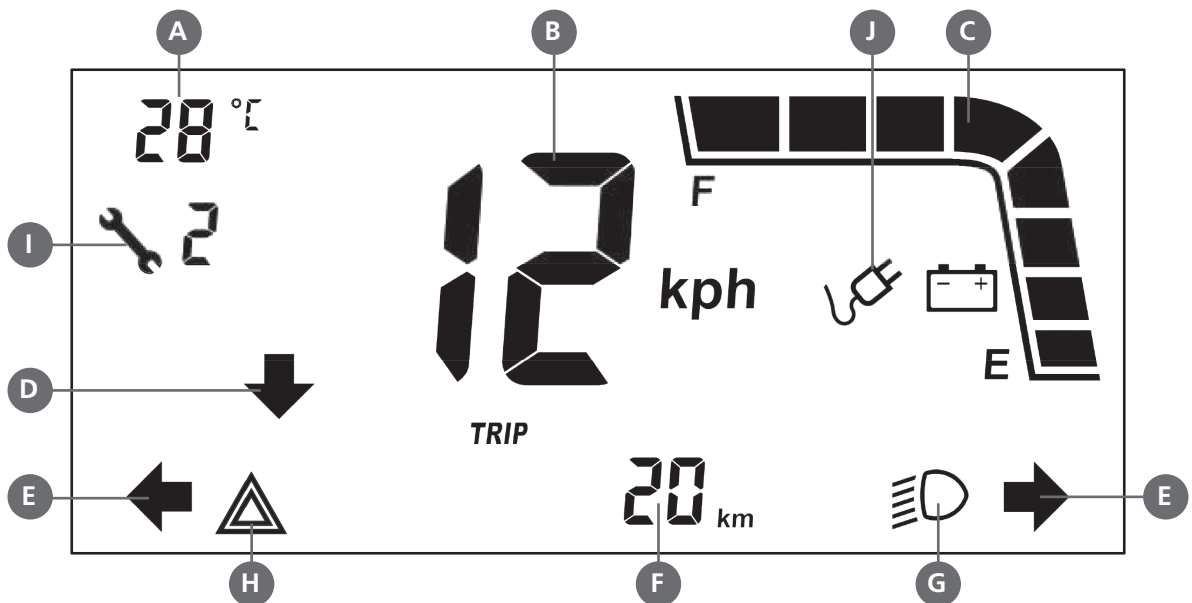
Remove seat as described above. Loosen seat tightening bolt by hex key wrench.

Remove the locking pin that secures the seat adaptor. Lift the seat adaptor out of the seat post. The seat height can be adjusted to 3 different settings by inserting the steel locking pin in the required hole. Retighten the bolt and replace the seat.

5. SCOOTER TILLER CONTROLS



Fig. 5



Item	Description	Item	Description
A	Temperature Display	F	Odometer Display
B	Speedometer Display	G	Headlight / High Beam Display
C	Battery Gauge Display "E": Empty ; "F": Full	H	Hazard Warning Light Display
D	Direction of Travel Display	I	Spanner Symbol & Code – Service refer to Self-Help Guide (P.17)
E	Left / Right Turn Signal Display	J	Charging Display

(1) LCD Display

(2 & 3) Speed Controls (Fig. 5)

The speed control allows you to control your speed up to maximum speed of 15kph. Pushing down on the thumb lever (2) to increase or decrease your speed, to stop the scooter remove your thumb from the lever for automatic braking. The "High / Medium / Low" switch (3) can be used to drive the scooter at its maximum speed of 14~15kph. Please use extra caution when using the scooter in "High" mode.

NOTE: When attempting to climb slopes you will need to set the "High / Medium / Low" switch in to the "High" setting.

NOTE: This scooter is fitted with a slow when turning function so it will slow down when the handle bars are turned; you cannot speed the scooter up when turning.

Electromagnetic Brake

The brake is automatically operated when the control levers are released. There is a slight delay when the scooter decelerates; this allows the scooter to come to a smooth stop.

(4) Headlight (Fig. 5)

Sliding switch to turn on the LED headlight light (4). To turn on high beam use (4) button, the tail lights will come on when the headlights are on.

(5) Hazard Warning Switch (Fig. 5)

A red button operates all indicators flashing.

(6) Horn (Fig. 5)

A red button operates the horn.

(7) Forward and Reverse Controls (Fig. 5)

The thumb lever controls the speed and to operate the scooter in reverse – ensure the scooter is at a standstill and press (7) and look at the LCD screen (D) to see the indicated direction of travel. To change back to the forward direction ensure the scooter is at a standstill and press (7) and look at the LCD screen (D) to see the indicated direction of travel.

(8) On/Off Key Switch (Fig. 5)

Insert the key in the key barrel. Turn the key on and the LCD screen will indicate the battery charge. There is a delay before the thumb lever control can be operated, while the controller is checking the circuits.

(9) Indicator Switch (Fig. 5)

Slide the switch to the Right or Left indicator respectively. Returning the lever to centre position to turn off the indicator.

6. FREE WHEEL OPERATION

The free wheel release lever (red handle - **Fig 6**) is located inside the left rear wheel. To disengage the motor, lift up the lever (the scooter can now be pushed). To re-engage the motor push down on the lever.

WARNING! Always re-engage the free wheeling device after use. Failure to do so may result in injury.

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

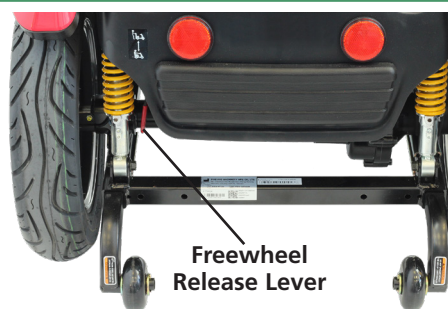


Fig. 6

7. STARTING TO DRIVE YOUR SCOOTER

Getting Started

- Select a level area with plenty of space.
- Mount the scooter, either by lifting the arm and sliding on to the seat or rotate the seat outwards and then rotate the seat back to face the tiller.
- Adjust the tiller and seat as described previously.

Starting Scooter Movement

- Ensure that you are seated in a comfortable position.
- Turn the key to the ON position.
- Your speed setting should be in Low (L)
- Push your right hand thumb on to the lever in a downwards direction, the scooter will move forward slowly. The harder you push the faster the scooter goes
- 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 handle bars 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.

NOTE: This scooter is fitted with "slow when turning" function so will slow down when the handle bars are turned it will resume the set speed once the scooter is going in a straight line.

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. Press (7) on Pg.4 and make sure the LCD screen (D) on Pg.4 is show the reverse direction. Push the thumb lever, 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 entering or leaving the scooter and that the tiller and foot rest is not used for support.

8. EXTRA GUIDELINES WITH SCOOTER CONTROL

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 whenever 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 finger levers are released the scooter will slowly stop.

Safe Climbing Angle (Fig.7)

Always follow the guidelines of the safe climbing angle shown as shown in figure 7.

Caution - Do not turn off the 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 scooter to malfunction with possible risk of injury and damage to the scooters electrical components.

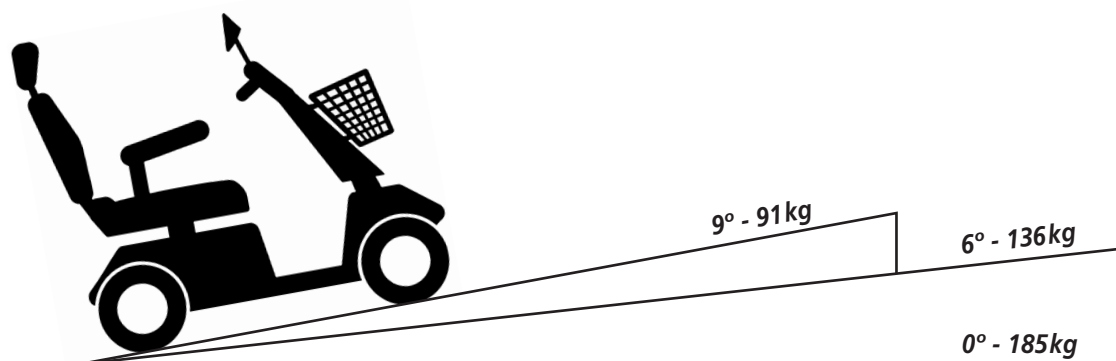


Fig. 7

Angles and weights shown here for this scooter indicate the safe working angles for the user and equipment. Any scooter used outside these parameters may be unsafe and or cause future problems with the electrical systems.

9. BATTERIES AND BATTERY CHARGER

The Shoprider® scooter is supplied with maintenance free, sealed lead acid batteries. Battery performance can be affected by temperature, terrain, condition of battery, type of battery charger, the weight of the user, wind speed, etc. The battery level indicator 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 level indicator 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.

Battery Charger

The battery charger supplied is special to your scooter, and may not be suitable for any other power mobility product. Use only the charger supplied with your scooter; other makes of chargers may permanently damage your scooter batteries, and would void the warranty. All the information of battery charger and its operation instruction shall be referred to the user manual attached with the charger in its packaging paper box.

First Time Use

Prior to using your Portable scooter for the first time, you must charge the batteries fully (refer to Battery Charging Procedures). Charging may take up to 14 hours. Charging the batteries completely prior to first time use will benefit battery efficiency. Failure to do so may cause damage.

Charging (Fig. 8)

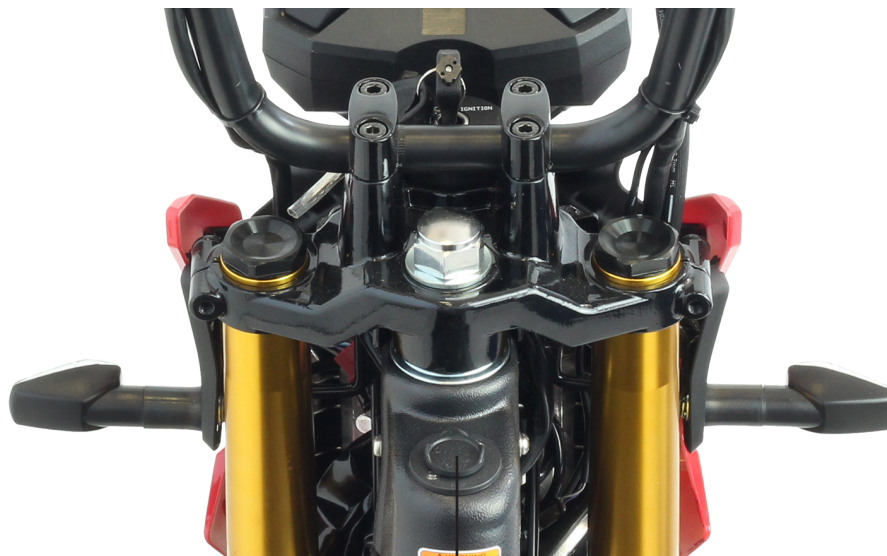
To charge the batteries connect the 3-pin male plug lead into the 3-pin female battery-

charging socket located on the tiller. Plug the A/C cord plug into the wall socket and the other end into the charger (2-pin). Please refer to the LED indicator description based on charging status of the charger's manual. Once the batteries are completely charged, unplug the A/C cord from the wall then unplug the 3-pin lead from the tiller.

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.



Charging Socket

Fig. 8

10. MAINTENANCE

Servicing

Ensure the scooter is serviced every 12 months to ensure it remains in safe working order failure to do so may cause catastrophic failure with possible injury and damage to surrounding property. Regular servicing will ensure trouble free operation.

Please Note

Heavy users of the scooter may require more frequent servicing.

Consult with your authorised Shoprider® dealer to have the servicing requirements completed every year.

Lubrication

At six-month intervals you should lubricate the following parts with a light oil or similar lubricant:

- Seat pivot post.
- Seat release lever pinion.
- Wheel bearings.
- Axle of scooter.

CAUTION – DO NOT USE WD40 TO LUBRICATE PARTS!! DO NOT LUBRICATE TRANSAXLE/GEAR BOX!! In the event of any difficulties please consult your dealer.

Cleaning

Your scooter should 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.

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 detergents only should be used.

Wheels and Tires

The wheels of your scooter have one piece rims and tubeless tyres so repairing any punctures will need to be done by a authorised repairer or tyre centre. To change the wheels remove the center 13 mm bolt and slide the wheel off its axles. Take care not to lose the drive key on the rear wheels. When refitting the wheel ensure the drive key is inserted correctly and tighten the 13mm bolt. Tyre pressure is recommended to be kept at 30 psi on the rear tires and 30 psi on the front.

Caution: On the tyre it states maximum tire pressure is 36psi. This is a maximum tyre pressure and should not be required to be this high.

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

11. TROUBLE SHOOTING GUIDE

The Self-Help Guide (**Table 1**) is intended to assist in the location of a fault that may occur in a certain part of the scooter. The diagnostic alarm will sound a warning signal to alert the user that a diagnostic alarm pattern is about to be sounded. The signal will be a set of fast beeps lasting two seconds. The slower diagnostic pattern will then be sounded once and the code will be shown on the LCD screen. If after checking out the fault from the table below and the fault is still showing, do not use the scooter. Turn off the power and consult your provider immediately.

Code	Description
1	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	There is a bad connection to the motor. Check all connections between the motor and the controller.
3	The motor has a short circuit to a battery connection. Contact your service agent.
4	The freewheel switch is activated or the manual brake disengagement mechanism is operated. Check the position of the switch or lever.
5	The motor is stalled. Or, The controller is over temperature or in current foldback.
6	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	A throttle fault is indicated. Make sure that the throttle is in the rest position before switching on the scooter.
8	A controller fault is indicated. Make sure that all connections are secure.
9	The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the controller connections are secure.
10	An excessive voltage has been applied to the controller. This is usually caused by a poor battery connection. Check the battery connections.

Table 1

Circuit Breaker (Fig. 9)

Your 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 for no apparent reason please check that the circuit breaker has tripped. The circuit breaker access point can be found on the rear cover as shown below.

Check List

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

- Unit is switched on.
- All plugs and connectors are firmly fixed.
- Battery level shows full charge.
- Drive/Freewheel device is in the drive position.

If the free wheel device has been operated with the scooter left 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.



Fig. 9

12. 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 rear chassis rail



13. TECHNICAL SPECIFICATIONS

UNIT SPECIFICATIONS TE-779XLS

Overall Dimensions: L ¹ x W x H	mm	1525 x 680 x 1300
Front Pneumatic Tire Diameter	pcs x in	1 x 16"
Rear Pneumatic Tire Diameter	pcs x in	2 x 16"
Suggested User Weight (on level gradient)	Kg	185
Total Weight (w/ batteries, basket, seat)	Kg	140
Battery Capacity	V Ah x Pcs	12V 75Ah x 2
Charger	V Amp	AC 220/110 V
		DC 24V 8A
Rated Power of 4-pole Motor (reference only)	W (Hp)	Max. 750 (1.0)
Max. Speed ²	Kph (mph)	14~15 (8.8~9)
Safe Climbing Angle / User Weight	Degree / Kg	9°/91, 6°/136, 0°/185
Range ³ per charge (battery capacity)	Km (mile)	63~65 (39~41)
Turning Radius	mm (in)	1650 (65)

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

- *1. Including Anti-Tip Wheels.
- *2. Driver weight may exceed weight of the unit; although 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 gradient
 - c) battery conditions
 - d) type of charger
 - e) ambient temperature
 - f) driving style
 - g) terrain
 - h) wind speed



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