Shoprider Enduro XL4 Plus

Enduro XL4 Plus Heavy Duty Electric Mobility Scooter User Manual

Model: Enduro XL4 Plus (formerly SPRINTER XL4 Deluxe)
Brand: Shoprider

1. Introduction

Welcome to the user manual for your new Shoprider Enduro XL4 Plus Heavy Duty Electric Mobility Scooter. This scooter, formerly known as the SPRINTER XL4 Deluxe, is designed to provide reliable and comfortable mobility for individuals requiring a robust and versatile solution. It features a high weight capacity, full suspension, and a long-range battery, making it suitable for various terrains and extended use. Please read this manual thoroughly before operating your scooter to ensure safe and proper use.



Figure 1.1: The Shoprider Enduro XL4 Plus Heavy Duty Electric Mobility Scooter. This image shows the complete scooter with its red body, black seat, front basket, and four wheels, highlighting its sturdy construction.

2. Safety Information

Your safety is paramount. Always adhere to the following guidelines:

- Read and understand all instructions in this manual before operating the scooter.
- Do not exceed the maximum weight capacity of 500 lbs (227 kg).
- Always use the seat belt if equipped.

- Operate the scooter at a safe speed, especially in crowded areas or on uneven terrain.
- Be aware of your surroundings and avoid distractions while driving.
- Ensure the scooter is fully charged before long trips.
- Avoid operating the scooter under the influence of alcohol or medication that may impair your judgment.
- Always engage the freewheel lever only when the scooter is powered off and you intend to manually push it.

3. Unpacking and Setup

Upon receiving your Enduro XL4 Plus scooter, carefully unpack all components and inspect for any shipping damage. Report any damage immediately to your dealer.

3.1. Initial Assembly

1. Remove all packaging materials.
2. Place the heaviest piece (the rear drive unit, approximately 115 lbs) on a flat, stable surface.
3. Attach the front section to the rear drive unit, ensuring all connections are secure.
4. Mount the seat onto the seat post, then insert the seat post into the receiver on the scooter base. Adjust the seat height and swivel as needed.
5. Connect the battery pack(s) as instructed in the battery compartment.
6. Ensure the tiller is securely locked in place and all cables are properly routed.

3.2. Initial Battery Charge

Before first use, fully charge the scooter's batteries. This typically takes 8-12 hours. Refer to Section 5 for detailed battery charging instructions.

4. Operating Instructions

Familiarize yourself with the controls before operating the scooter.

4.1. Control Panel Overview

- **Key Switch:** Turns the scooter power on/off.
- **Battery Gauge:** Displays the approximate battery charge level.
- **Speed Control Dial:** Adjusts the maximum speed of the scooter.
- **Throttle Lever:** Push forward for forward motion, pull back for reverse.
- **Horn Button:** Activates the horn.
- **Light Switch:** Controls the front and rear lights. The Enduro XL4 Plus features a full light package for enhanced visibility.

4.2. Driving the Scooter

1. Ensure the key is in the 'ON' position.
2. Set the speed control dial to a comfortable speed, starting low.
3. Gently press the throttle lever to move forward or backward. Release the lever to engage the automatic electromagnetic brake.

4. Steer by turning the tiller handlebars. The scooter has a turning radius of 72 inches.
5. Use the horn when necessary to alert others.
6. Turn on the lights when operating in low-light conditions.

4.3. Freewheel Mode

The freewheel lever disengages the drive motor, allowing the scooter to be pushed manually. **Only engage freewheel mode when the scooter is powered OFF.** To engage, locate the lever (usually at the rear of the scooter near the motor) and push it to the 'N' (neutral) position. To re-engage the drive, push the lever back to the 'D' (drive) position.

5. Battery Care and Charging

Proper battery care is essential for maximizing the range and lifespan of your scooter's batteries.

5.1. Charging Procedure

1. Ensure the scooter is turned off.
2. Plug the off-board 8 Amp charger into the charging port on the scooter.
3. Plug the charger into a standard wall outlet.
4. Allow the batteries to charge fully. The charger will indicate when charging is complete (usually a green light).
5. Unplug the charger from the wall outlet, then from the scooter.

It is recommended to charge the batteries daily, especially after significant use. Avoid letting the batteries completely discharge, as this can shorten their lifespan. The scooter uses (2) Group 22 standard or (2) Group 24 batteries, with a total weight of 48 lbs.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your scooter.

- **Cleaning:** Wipe down the scooter regularly with a damp cloth. Avoid using harsh chemicals or excessive water.
- **Tires:** Check the pressure of the 12-inch pneumatic tires regularly. Maintain the recommended PSI as indicated on the tire sidewall.
- **Connections:** Periodically check all electrical connections and fasteners for tightness.
- **Brakes:** The electromagnetic brake system is generally maintenance-free, but if you notice any issues, contact your dealer.
- **Battery Terminals:** Keep battery terminals clean and free of corrosion.

7. Disassembly for Transport

A key feature of the Enduro XL4 Plus is its ability to disassemble into three pieces for easier transport and storage, eliminating the need for a scooter lift.

1. **Remove the Seat:** Lift the seat straight up from its post.
2. **Remove the Battery Pack:** Disconnect and remove the battery pack(s) from their compartment.
3. **Separate Front and Rear Sections:** Locate the locking mechanism that connects the front and rear sections of the scooter.

Disengage this mechanism and carefully separate the two main parts. The heaviest piece (rear drive unit) weighs approximately 115 lbs.

4. **Fold the Tiller:** Lower and fold the tiller for compact storage.

To reassemble, reverse these steps, ensuring all connections are secure before use.

8. Troubleshooting

If you encounter issues with your scooter, refer to the following common problems and solutions:

- **Scooter does not power on:**
  - Check if the key is fully inserted and turned to the 'ON' position.
  - Ensure batteries are properly connected and charged.
  - Check the circuit breaker (usually a small button near the battery compartment) and reset if tripped.
- **Scooter moves slowly or lacks power:**
  - Batteries may be low; recharge them fully.
  - Speed control dial may be set too low.
  - Tire pressure may be too low.
- **Charger light does not turn green:**
  - Ensure charger is properly plugged into both the scooter and the wall outlet.
  - Check the wall outlet for power.
  - Batteries may be deeply discharged or faulty; contact your dealer.
- **Scooter makes unusual noises:**
  - Inspect for loose parts or obstructions.
  - If the noise persists, discontinue use and contact your dealer.

For issues not covered here, or if problems persist, contact your authorized Shoprider dealer for assistance.

9. Specifications

Below are the key specifications for the Enduro XL4 Plus Mobility Scooter:

Feature	Specification
Weight Capacity	500 lbs (227 kg)
Overall Length	53 inches (134.6 cm)
Overall Width	27 inches (68.6 cm)
Seat Depth	18 inches (45.7 cm)
Seat Width	20 inches (50.8 cm)

Feature	Specification
Per-Charge Range (Maximum)	25 miles (40 km)
Maximum Speed	5 mph (8 km/h)
Turning Radius	72 inches (182.9 cm)
Weight (without batteries)	192 lbs (87.1 kg)
Weight (with batteries)	240 lbs (108.9 kg)
Heaviest Piece Weight	115 lbs (52.2 kg)
Disassembly	3 Pieces
Front Wheel Diameter	12 inches (30.5 cm)
Rear Wheel Diameter	12 inches (30.5 cm)
Ground Clearance	4 inches (10.2 cm)
Tire Type	Pneumatic
Motor Type	24V DC, 2 Horsepower
Battery Type	(2) Group 22 standard, or (2) Group 24
Battery Charger	Off-board, 8 Amp
Full Suspension	Yes
Goes In Reverse	Yes
Freewheel Mode	Yes

10. Warranty Information

The Shoprider Enduro XL4 Plus Mobility Scooter typically comes with a manufacturer's warranty. Based on available information, this product includes a **1-Year Part and Labor Warranty**.



Figure 10.1: This badge indicates a 1-Year Part and Labor Warranty for the product, covering manufacturing defects and necessary repairs within the specified period.

Additionally, a 30-day return policy may apply from the point of purchase. Please retain your proof of purchase for warranty claims.

For specific details regarding warranty coverage, terms, and conditions, refer to the documentation provided with your scooter or contact your authorized dealer.

11. Support and Contact

For technical assistance, spare parts, or service inquiries, please contact your authorized Shoprider dealer. They are equipped to provide expert support and ensure your scooter remains in optimal condition.
Always provide your scooter's model name (Enduro XL4 Plus) and serial number when contacting support to facilitate quicker service.

11.1. Accessories

Enhance your scooter experience with various accessories:



Figure 11.1: A practical cup holder accessory, designed to attach to the armrest of the mobility scooter, providing convenient storage for beverages during travel.



Figure 11.2: An armrest-mounted storage bag, offering additional space for personal items, securely attached to the side of the scooter's seat.

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