

ROVA Elite Product Manual



NOTE: This owner's ROVA Elite Product Manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this guide and the product you have purchased. The latest/current version of this manual is available on our website.

1. ROVA Elite: Step-by-Step Starter Guide

Congratulations on receiving your new ROVA Elite mobility scooter! This guide will walk you through a safe and simple setup process to ensure you're comfortable operating your scooter before your first adventure.

After receiving your delivery, take a moment to inspect the box for any damage. If you notice any concerns, contact Rova Mobility immediately.

Unpacking Your Scooter:

1. **Releasing the Outer Packaging:** Carefully cut the straps using a sharp utility knife. *Tip: Be mindful of the box and scooter while cutting to avoid accidental nicks.*
2. **Unboxing Your Scooter:** Once the straps are cut, gently remove the outer cardboard box. Set it aside for recycling or disposal later.
3. **Disassembling the Support Frame:** Using the size 12 spanner included in your package, loosen and remove the nuts and bolts carefully. *Tip: Place the disassembled frame pieces to the side to avoid tripping hazards.*
4. **Removing the Anchoring Ties:** Your scooter will be secured to frame with anchoring wires at the front and rear. Simply cut or untwist the wires, taking care not to damage the scooter itself. *Safety First: Wearing gloves is recommended for this step as the wire ends might be sharp.*
5. **Moving Your Scooter Off the Pallet:** There are two methods you can use to safely remove the scooter:

5.1 Neutral Mode Manoeuvre: Locate the gear lever at the back of your scooter. Shift it into the "N" (Neutral) position. With the scooter in neutral, you can safely push the scooter forward off the remaining frame section and onto a flat, stable surface.

5.2 Drive Mode Manoeuvre (Use with caution and ensure battery isolation switch is ON): Shift the gear lever to "D" (Drive) position. Use the throttle lever very slowly to rotate the wheels forward or back. *Note: This method requires more control and might be easier with a helping hand to maneuver safely.*

Once the front wheels are off the frame and pallet, you can lift the rear of the scooter slightly (with assistance if needed) and roll it forward onto a flat area.

Step by Step:

1. **Battery Access:** Open the battery compartment area on your scooter. Locate the isolation switch and turn it ON.



2. **Armrest Adjustment:** Find the adjusting mechanism for your armrests. Fold them down to a comfortable height that provides proper support.
3. **Mirror Installation:** Carefully screw in the rearview mirrors, ensuring a clear and unobstructed view behind you. Tighten them securely.
4. **Rear Basket Attachment (Optional):** If your scooter came with a rear basket, locate the designated mounting points on the frame. Securely the basket using the provided bolts.
5. **Engaging Drive Mode:** Now that your setup is nearly complete, shift the gear lever to the "D" (Drive) position.
6. **Power Up and Controls Check:** Turn on your scooter using the key. The digital display should illuminate. Familiarize yourself with the control panel to understand their functions.

Test Drive:

1. Once everything is set up and checked, it's time for a test drive! Find a safe, flat, and open area free from obstacles. With the scooter in drive mode and the controls at hand, begin at a slow speed.
2. Practice manoeuvring the scooter, turning, and stopping. Get comfortable with the braking system and overall handling before venturing outside.

Remember: Safety is paramount. Take your time setting up your scooter and getting comfortable with the controls before venturing on your first trip. Enjoy the freedom and independence your ROVA mobility scooter offers!

2. Operational and Safety Guidelines

General Operation:

Familiarize yourself: Before your first ride, thoroughly read the manual and familiarize yourself with the controls, features, and emergency procedures of your scooter.

Pre-ride checks: Prior to each use, visually inspect your scooter for any damage, ensure tire pressure is adequate and brakes are functioning properly. Test the headlight and horn in low-light conditions.

Seating and posture: Sit upright with your back straight and feet comfortably placed on the footrests. Maintain a firm grip on the handlebars.

Speed and control: Operate your scooter at a safe and reasonable speed, considering pedestrian traffic and terrain. Always obey posted speed limits and traffic signals.

Steering and maneuvering: Make smooth turns and avoid sudden changes in direction, especially on slopes or uneven surfaces.

Stopping and braking: Apply the brakes gently and evenly to avoid jerky stops. Be aware of increased stopping distance on wet or slippery surfaces.

Stability and balance: Do not overload your scooter with extra weight exceeding the manufacturer's recommendations. Avoid leaning excessively while turning or navigating uneven terrain.

Parking: Park your scooter safely on a level surface, engaging the brakes and turning it off. Avoid blocking walkways or entrances.

Safety Considerations:

Visibility: Wear bright clothing and reflective gear, especially in low-light conditions. Use the headlight when necessary.

Pedestrians and other vehicles: Be aware of your surroundings and yield the right of way to pedestrians and other vehicles. Use your horn to signal your presence when necessary.

Weather conditions: Avoid operating your scooter in heavy rain, snow, or icy conditions. Strong winds can also affect stability.

Hills and slopes: Approach hills and slopes cautiously, maintaining a slow and controlled speed. Avoid sharp turns on inclined surfaces.

Curbs and obstacles: Carefully navigate curbs and obstacles using designated ramps or dismounting and remounting your scooter as needed.

Passenger restrictions: Unless your scooter is specifically designed for two people, never carry any passengers.

Alcohol and drugs: Do not operate your scooter under the influence of alcohol or drugs.

Emergency procedures: Be prepared for emergencies. Know how to use the brakes, emergency stop button, and horn effectively. Familiarize yourself with the location of the nearest medical assistance.

Additional Tips:

- Carry a fully charged mobile phone for emergencies.
- Wear comfortable shoes with good grip.
- Be courteous and respectful to pedestrians and other drivers.
- Enjoy the freedom and independence your scooter provides!
- Remember, safety is paramount. By following these guidelines and using common sense, you can ensure a safe and enjoyable experience with your mobility scooter.

Please note: These are general guidelines and ensure to observe your surroundings carefully and other safety precautions.

3. Maintenance Guidelines

Regular Checks:

Daily:

- Visually inspect the scooter for any damage, loose parts, or tire punctures.
- Check tire pressure and inflate to the recommended level.
- Test the headlight and horn functionality.

Weekly:

- Clean the scooter with a damp cloth and mild soap, avoiding the electrical components.
- Check the brakes for proper engagement and adjust if necessary.
- Lubricate any moving parts according to the manufacturer's instructions.

Monthly:

- Clean the battery terminals with a soft, dry brush to remove corrosion.
- Check the battery electrolyte level if applicable (sealed batteries usually don't require this).
- Inspect the wiring for any signs of wear or damage.

Battery Maintenance:

Lithium Batteries:

- Avoid extreme temperatures during charging and storage.
- Do not fully discharge the battery (maintain at least 20% charge).
- Use the original charger or one specifically designed for your battery model.

Lead-acid Batteries:

- Charge the battery after each use and avoid deep discharges.
- Store the battery in a cool, dry place when not in use.
- Use the original charger and follow the recommended charging times.

Additional Maintenance:

- Have your scooter professionally serviced at least once a year by a qualified technician.
- Keep all maintenance records for future reference.
- Replace worn-out or damaged parts immediately.
- Store your scooter in a clean, dry, and well-ventilated location when not in use.
- Remember, regular maintenance is key to extending the life and performance of your mobility scooter.

By following these recommendations, you can ensure your scooter provides reliable and safe transportation for years to come.

Please note: These are general recommendations and may not apply to all models. Always refer to your service technician for detailed recommendations.

4. Lead-acid Battery for your Mobility Scooter

Keeping Your Ride Rolling

Congratulations on your new mobility scooter! This manual will guide you through its operation and maintenance, ensuring a smooth and reliable ride for years to come.

Battery Power:

Your scooter's lead-acid battery is the lifeblood of its operation. Proper care and maintenance are crucial for maximizing its lifespan and performance. Here's how to make the most of your battery:

Charging for Maximum Life:

Use the Right Charger: Always stick to the charger included with your scooter. Using an incompatible charger can damage the battery or even be hazardous.

Full Charge is Best: Aim for a full charge whenever possible. Leaving the battery partially charged can lead to sulfation, which reduces its capacity over time.

Don't Overcharge: Unplug the charger once the indicator light shows a full charge. Leaving the charger connected can shorten the battery's lifespan.

Regular Charging: Even when not in use, charge your battery every 2-4 weeks to prevent deep discharge and sulfation.

Long Breaks: If you won't be using your scooter for longer than a month, charge it fully before storage and then top it up every 2-3 months.

Environment Matters:

Temperature Control: Extreme temperatures can harm your battery. Avoid charging or storing it in extremely hot or cold areas. Ideally, aim for an ambient temperature between 10°C and 30°C.

Keep it Dry: Moisture can damage the battery and its terminals. Avoid exposing it to rain, puddles, or spills.

Clean Terminals: Periodically clean the battery terminals with a soft, dry cloth to remove any corrosion that can hinder charging.

Riding for Optimal Battery Life:

Gentle Start and Stop: Avoid aggressive acceleration and braking, as this puts extra strain on the battery.

Plan Your Trips: Make sure your journey fits within the battery's range to avoid running it flat.

Terrain Matters: Hills and rough terrain require more power, draining the battery faster. Consider taking alternative routes when possible.

Conserve Power: Turn off the scooter when not in use and avoid unnecessary accessories that could drain the battery.

Safety First:

Follow Warning Labels: Always heed the warning labels on your battery and charger.

Avoid Contact with acid: Wear gloves and safety glasses when handling the battery. If acid spills, neutralize it with baking soda and water, and immediately contact your dealer for assistance.

Disposal: Lead-acid batteries are considered hazardous waste. Dispose of them responsibly at designated recycling facilities.

Please note: This is a general guide to caring for lead-acid batteries in mobility scooters. Always refer to your service technician for detailed recommendations.

With proper care, your lead-acid battery will provide reliable power for your mobility scooter for many years. By following these simple tips, you can enjoy an independent and carefree ride.

We hope this manual helps you make the most of your new mobility scooter. Ride safe and enjoy the freedom!

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