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HOVER HEART EA500-RA

HOVER HEART EA500-RA Electric ATV Instruction Manual

Model: EA500-RA

1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, and maintenance of your HOVER HEART EA500-RA Electric ATV. Please read this manual thoroughly before operating the vehicle to ensure proper function and user safety. Retain this manual for future reference.



Image 1.1: The HOVER HEART EA500-RA Electric ATV, showcasing its robust design and off-road tires.

2. SAFETY INFORMATION

Operating an electric ATV requires adherence to safety guidelines to prevent injury. Always ensure the rider wears appropriate safety gear, including a helmet, elbow pads, and knee pads. Adult supervision is required for all riders, especially those under the recommended age.

- **Age Recommendation:** This ATV is recommended for ages 13-18 years.
- **Weight Limit:** Maximum rider weight is 65 kg (approximately 143 lbs).
- **Supervision:** Always operate under direct adult supervision.
- **Safety Gear:** Always wear a helmet, elbow pads, and knee pads.
- **Terrain:** Use on appropriate off-road terrain. Avoid public roads, steep inclines, or hazardous surfaces.
- **Battery Safety:** Ensure the battery is charged in a well-ventilated area and disconnected when not in use.

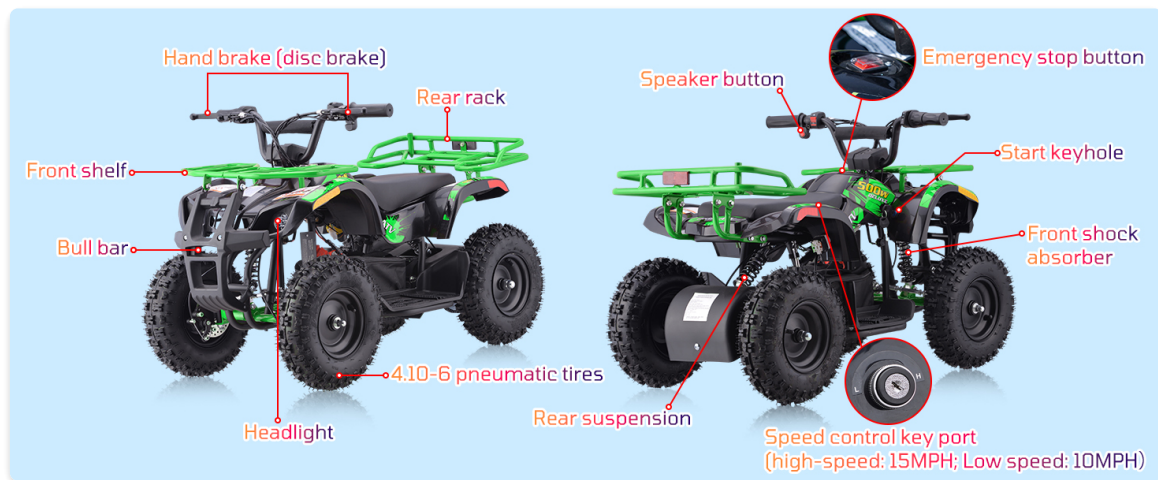


Image 2.1: A child demonstrating safe riding practices with appropriate protective gear.

3. SETUP AND ASSEMBLY

The HOVER HEART EA500-RA Electric ATV requires some assembly before first use. Follow these steps carefully.

3.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect for any damage during transit. Ensure all parts listed in the packing list are present.

3.2 Handlebar Installation

1. Position the handlebar onto the steering column.
2. Secure the handlebar using the provided bolts and tighten them evenly.
3. Install the protective cover over the handlebar clamp.
4. Adjust the handlebar to a comfortable position and ensure all bolts are securely tightened.

3.3 Front Bumper and Rack Installation

1. Attach the front bumper to the designated mounting points on the front frame.
2. Secure the front rack above the bumper using the provided hardware.

3.4 Rear Shock and Rack Installation

1. Install the rear shock absorber by aligning it with the mounting points and securing it with bolts.
2. Attach the rear rack to the designated mounting points on the rear frame.
3. Secure the rear reflector to the rear rack.

3.5 Fuse Installation (Important)

Locate the fuse holder, typically near the battery compartment. Insert the provided fuse into the holder to activate the electrical system. This step is crucial for operation.

3.6 Flag Installation

Insert the safety flag into its designated slot on the rear of the ATV. This improves visibility during operation.

3.7 Assembly Video Guide

For a visual guide on the assembly process, please refer to the following video:

Video 3.1: Step-by-step guide for the installation of your electric ATV components.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and features of your HOVER HEART EA500-RA Electric ATV before riding.

4.1 Controls Overview

- **Twist-Grip Throttle:** Located on the right handlebar, controls acceleration.
- **Disc Brakes:** Hand levers on the handlebars for stopping.
- **Front LED Headlight:** Provides illumination.
- **Suspensions:** Front and rear for a smoother ride.
- **Parental Speed Control:** A key-operated switch to set maximum speed.



Image 4.1: Key operational components of the HOVER HEART Electric ATV.

4.2 Powering On and Speed Selection

1. Insert the ignition key and turn it to the 'ON' position.
2. Use the parental speed control key to select the desired maximum speed: 'L' for Low (10 mph) or 'H' for High (15 mph). Remove the key to lock the speed setting.
3. Ensure the kill switch is in the 'RUN' position.



Image 4.2: Parental speed control key for adjusting maximum speed.

4.3 Riding the ATV

1. Sit comfortably on the seat with both feet on the footrests.
2. Gently twist the throttle on the right handlebar to accelerate.
3. To slow down or stop, release the throttle and apply the hand brakes.
4. The ATV is designed for various terrains including sandy, muddy, gravel, and grassy areas.

Video 4.3: Demonstration of the 500W dirt quad in various riding conditions.



Image 4.4: The ATV is suitable for diverse off-road environments.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ATV.

5.1 Battery Charging

The ATV is equipped with a 36V (three 12V) sealed lead-acid rechargeable battery. A charger is included.

- Locate the charging port on the side of the ATV.
- Connect the charger to the port and then to a standard electrical outlet.
- Charging time is typically 6-8 hours for a full charge.
- Do not overcharge the battery. Disconnect once fully charged.
- Expected riding time per charge is 45-60 minutes, or 12-15 miles, depending on terrain and speed.



Image 5.1: The 500W motor and the charging port location.

5.2 General Care

- Keep the ATV clean by wiping it with a damp cloth. Avoid using harsh chemicals.
- Regularly check tire pressure and ensure tires are in good condition. The ATV features real pneumatic off-road knobby tires.
- Inspect brakes and cables for proper function and wear.
- Check all bolts and fasteners periodically and tighten if necessary.

6. TROUBLESHOOTING

If you encounter issues with your ATV, consider the following common troubleshooting steps:

- **No Power:** Check if the fuse is correctly installed and intact. Ensure the battery is charged and properly connected. Verify the ignition key is in the 'ON' position and the kill switch is disengaged.
- **Reduced Performance:** This may indicate a low battery charge. Fully charge the battery. Check for any obstructions in the drivetrain.
- **Brake Issues:** Inspect brake cables for tension and wear. Ensure disc brakes are clean and functioning correctly.

For persistent issues, please contact customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	EA500-RA
Motor Power	500W
Battery	36V (3 x 12V) Sealed Lead Acid
Max Speed	Up to 15 mph (adjustable to 10 mph)
Recommended Age	13 - 18 years
Weight Limit	65 KGs (approx. 143 lbs)
Product Dimensions	41" L x 26" W x 23" H
Item Weight	134.2 pounds
Features	Twist-grip throttle, disc brakes, front LED headlight, suspensions, soft rubber grips, extra-large frame.

8. WARRANTY AND SUPPORT

Your HOVER HEART EA500-RA Electric ATV comes with a seller warranty. Please retain the original packaging for warranty purposes.

- **1-30 Days:** Free return and refund.
- **31-90 Days:** Free shipping of parts or exchange (depending on ATV status).
- **Over 90 Days:** Seller warranty expires. Limited customer service instruction and parts links (not free) may be provided.

For any questions or technical support, please contact customer service. Service hours are Monday to Friday, 10 am to 6 pm Pacific Standard Time. Technical Hotline: 909-278-0155. Please ask for Tech John for assistance.

Important Note: If the product box is lost or damaged, it may affect warranty claims. Please keep the original packaging for after-sales support and maintenance.