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› HOVER HEART Electric Go Kart EA500-RA User Manual

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HOVER HEART Electric Go Kart EA500-RA User Manual

Model: EA500-RA

1. INTRODUCTION

Thank you for choosing the HOVER HEART Electric Go Kart EA500-RA. This manual provides essential information for the safe assembly, operation, and maintenance of your electric go-kart. Please read all instructions carefully before use to ensure optimal performance and safety.

Safety Information: Please wear a helmet and protective gear and use with parental supervision. Always ensure the go-kart is operated in a safe environment, away from public roads and traffic.



Image 1.1: HOVER HEART Electric Go Kart EA500-RA. This image displays the complete electric go-kart in a green color, featuring its tubular steel frame, seat, steering wheel, and all-terrain tires, set against a desert backdrop.

2. WHAT'S IN THE BOX

Upon unpacking, please verify that all components are present:

- Electric Go Kart (main frame with pre-installed motor and battery)
- Battery Charger
- Owner's Manual (this document)
- Wheels (4x)
- Steering Wheel Assembly
- Front Bumper
- Seat
- Assembly Tools (wrenches, screwdriver)

3. ASSEMBLY INSTRUCTIONS

Follow these steps to assemble your HOVER HEART Electric Go Kart. Refer to the installation video for visual guidance.

Your browser does not support the video tag.

Video 3.1: Installation Guide for 48V Go Kart. This video provides a step-by-step visual guide for assembling the electric go-kart, including attaching wheels, steering, and seat.

1. **Unpacking:** Carefully remove all components from the packaging. Place the main go-kart frame on a stable, flat surface.
2. **Attach Rear Wheels:** Slide the rear wheels onto the axle. Secure them with the provided washers and nuts, ensuring they are tightened properly but allow the wheels to spin freely.
3. **Attach Front Wheels:** Attach the front wheels to the front axle assembly. Secure them with the provided hardware.
4. **Install Front Bumper:** Align the front bumper with the mounting points on the go-kart frame. Secure it using the provided bolts and nuts. Ensure it is firmly attached.
5. **Install Steering Wheel Assembly:** Insert the steering column into the designated slot on the frame. Connect the electrical wires from the steering assembly to the main go-kart wiring harness. Secure the steering column with the provided bolts.
6. **Install Seat:** Place the seat onto the go-kart frame. Align the seat with the desired position (multiple adjustment points are available for rider comfort and safety). Secure the seat using the provided bolts and nuts.
7. **Connect Battery:** Locate the battery compartment, typically under the seat. Connect the battery cables to the motherboard as indicated in the video. Ensure all connections are secure.

4. BATTERY CHARGING

Before the first use, fully charge the go-kart's 48V battery for approximately 8-12 hours. Subsequent charges should also be for this duration or until the charger indicator shows a full charge.

- Ensure the go-kart is turned off before charging.
- Connect the charger to a standard wall outlet.
- Plug the charger's output connector into the go-kart's charging port.
- The charger indicator light will typically show red during charging and turn green when fully charged.
- Do not overcharge the battery. Disconnect the charger once charging is complete.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the go-kart's controls and features for a safe and enjoyable ride.

Your browser does not support the video tag.

Video 5.1: HOVER HEART Electric Go Kart Overview. This video showcases the electric go-kart in action, highlighting its general operation and features.

5.1 Starting and Driving

1. **Power On:** Turn the power switch to the ON position.
2. **Select Speed Mode:** The go-kart features parental speed control with three settings: 7 mph, 15 mph, and 20 mph. Use the parental key to select the desired maximum speed.
3. **Acceleration:** Press the foot pedal to accelerate. Release the pedal to slow down.
4. **Braking:** The go-kart is equipped with hydraulic rear disc brakes for effective stopping power. Apply the brake pedal smoothly.
5. **Steering:** Use the race-style steering wheel to control direction.



Image 5.1: Parental Speed Control. This image illustrates the three parental speed control settings (7mph, 15mph, 20mph) available on the go-kart.

5.2 Safety Features

The HOVER HEART Electric Go Kart is designed with several safety features:

- **High-Tensile Steel Frame:** Provides rigidity and strength.
- **Upper Roll Bar and Side Nerf Bars:** Offer protection during operation.
- **Racing Style 4-Point Seat Belt:** Keeps the rider secure.

- **Padded Steering Wheel:** Enhances comfort and safety.
- **Hydraulic Rear Disc Brake with Vented Rotors:** Ensures fast and smooth stopping.



Image 5.2: Go Kart Safety Features. This graphic highlights key safety components including the seat belt, padded steering wheel, upper roll bar, side nerf bars, and vented rotor disc brakes.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your go-kart.

- **Battery Care:** Always fully charge the battery after each use. If storing for extended periods, charge the battery at least once a month.
- **Cleaning:** Wipe down the go-kart with a damp cloth. Avoid using harsh chemicals or direct water spray, which can damage electrical components.
- **Tire Pressure:** Periodically check the pressure of the 13-inch all-terrain pneumatic tires. Maintain recommended pressure for optimal performance and safety.
- **General Inspection:** Regularly check all bolts, nuts, and connections to ensure they are tight. Inspect the frame for any signs of damage or wear.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Go-kart does not start	Battery is low or not connected; Power switch is off; Loose wiring connection.	Charge the battery; Ensure power switch is ON; Check all wiring connections.
Reduced power or speed	Low battery charge; Parental speed control set to a lower speed; Overload (exceeding max weight).	Fully charge the battery; Adjust parental speed control; Ensure rider weight is within limits.
Unusual noises during operation	Loose components; Debris in moving parts; Worn parts.	Inspect for loose parts and tighten; Remove any debris; Contact customer support if noise persists.

8. SPECIFICATIONS

FRAME:

Steel Tubular
High tensile steel frame



WHEELS

Steel rims with robust all
terrain pneumatic
knobby tires (4.10-6) 13 inch

MOTOR TYPE

1000 W brushless motor

BATTERY

48 volt 12Ah, 12v/4 pcs



Image 8.1: Go Kart Components. This image details the go-kart's steel tubular frame, 13-inch pneumatic tires, 1000W brushless motor, and 48V 12Ah battery.

- **Model:** EA500-RA
- **Motor Type:** 1000W Brushless Motor
- **Battery:** 48V 12Ah (12V/4 pcs)
- **Max Speed:** Up to 20 Mph (Parental speed control: 7, 15, or 20 Mph)
- **Frame:** High-Tensile Steel Tubular Frame
- **Tires:** 13 inch All-Terrain Pneumatic Tires
- **Brakes:** Hydraulic Rear Disc Brake with Vented Rotors
- **Product Dimensions:** 53 x 35 x 34 inches
- **Item Weight:** 134.2 pounds
- **Manufacturer Recommended Age:** 13 - 18 years



Image 8.2: Go Kart Dimensions. This image provides a visual representation of the go-kart's dimensions: 53 inches in length, 33 inches in width, and 26 inches in height.

9. WARRANTY AND SUPPORT

Warranty information is typically provided with your product packaging. For specific warranty details, claims, or technical support, please refer to the documentation included with your purchase or contact HOVER HEART customer service directly.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question