



# HOVERJACK<sup>®</sup>

## EMS Evacuation

# User Manual

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## Symbol Reference



DECLARATION OF CONFORMITY  
TO MEDICAL DEVICE DIRECTIVE

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## Intended Use and Precautions

### INTENDED USE

The EMS Evacuation HoverJack® Device is used to lift a patient in supine position from the floor to bed or stretcher height, utilizing the HoverTech Air Supply to inflate each of the four chambers. The EMS Evacuation HoverJack can also be used to evacuate patients up or down stairs in the event of an emergency.

### INDICATIONS

- Patients unable to assist in their own vertical lift, such as after a fall
- Patients whose weight or girth poses a potential health risk for the caregivers responsible for lifting or evacuating said patients

### CONTRAINDICATIONS

- Patients who are experiencing thoracic, cervical or lumbar fractures that are deemed unstable should not use the EMS Evacuation HoverJack unless a clinical decision has been made by your facility.

### INTENDED CARE SETTINGS

- Hospitals, long term or extended care facilities, patient transport services and EMS

### PRECAUTIONS

- Make sure patient safety straps are secured before moving. Do not secure before inflation.
- Move the EMS Evacuation HoverJack using the transport straps and/or the transport handles located along the top perimeter.
- Never use patient safety straps to pull the EMS Evacuation HoverJack, as they may tear.
- When moving a patient on the inflated EMS Evacuation HoverJack, use caution and move slowly.
- Additional caregivers are recommended when moving or evacuating a patient over 300lbs/136 kg.
- Never attempt to move a patient on an uninflated EMS Evacuation HoverJack.
- Never leave a patient unattended on an inflated EMS Evacuation HoverJack.
- Use this product only for its intended purpose as described in this manual.
- Only use attachments and/or accessories that are authorized by HoverTech International.
- Use of this device with products or accessories not authorized by HoverTech International could result in injury or equipment malfunction and may void the Manufacturer's Warranty. HoverTech International will not be held responsible for any injuries or damages caused due to the improper use of this device.

### WARNING/CAUTION

- For safety, always use a minimum of three caregivers while using the EMS Evacuation HoverJack.
- Reference product-specific user manuals for additional operating instructions.

### PRECAUTIONS

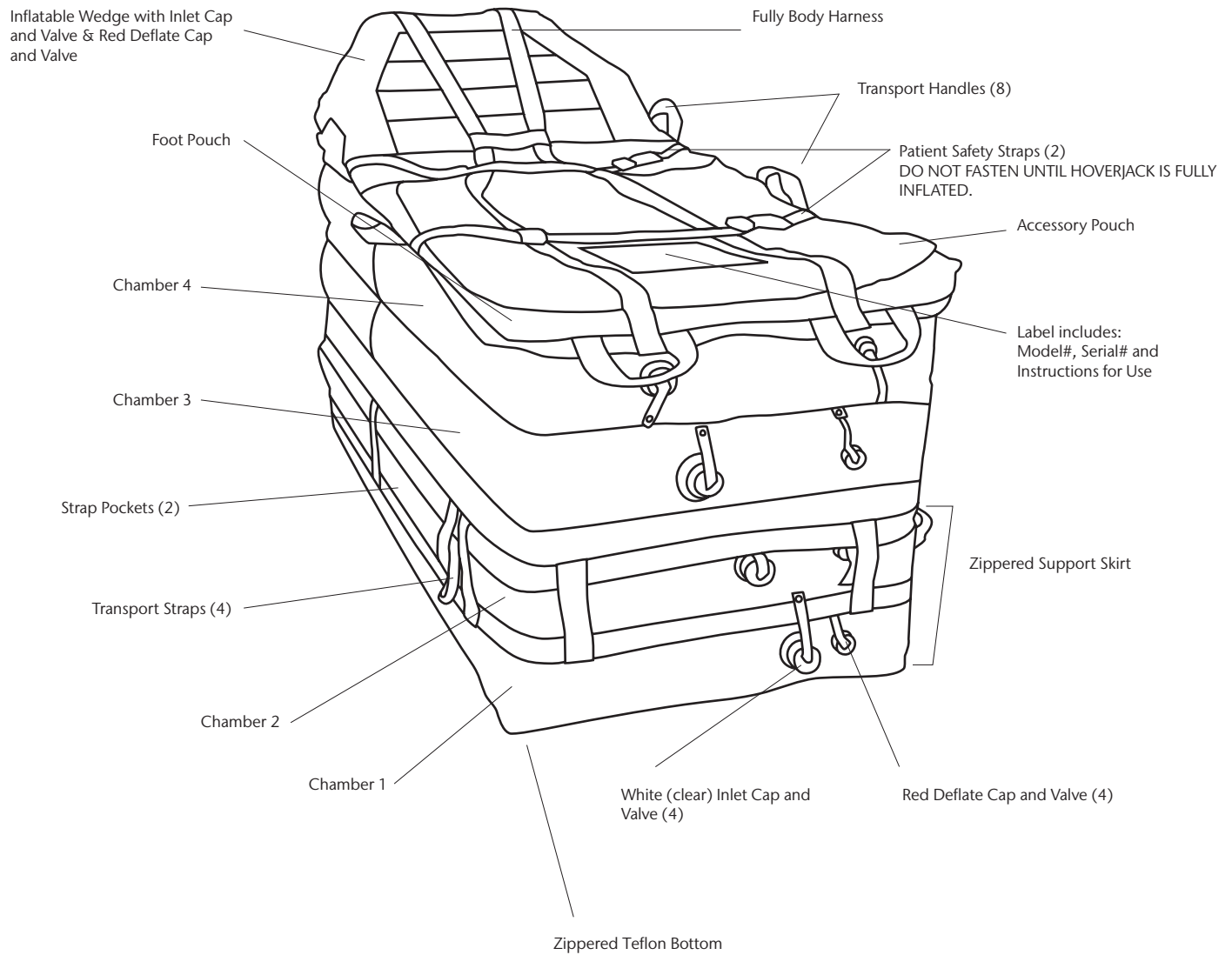
#### – HOVERTECH INTERNATIONAL AIR SUPPLY

- Not for use in the presence of flammable anesthetics or in a hyperbaric chamber or oxygen tent.
- Route the power cord in a manner to ensure freedom from hazard.
- Avoid blocking the air intakes of the HoverTech International Air Supply.
- CAUTION: Avoid electric shock. Do not open HoverTech International Air Supply.

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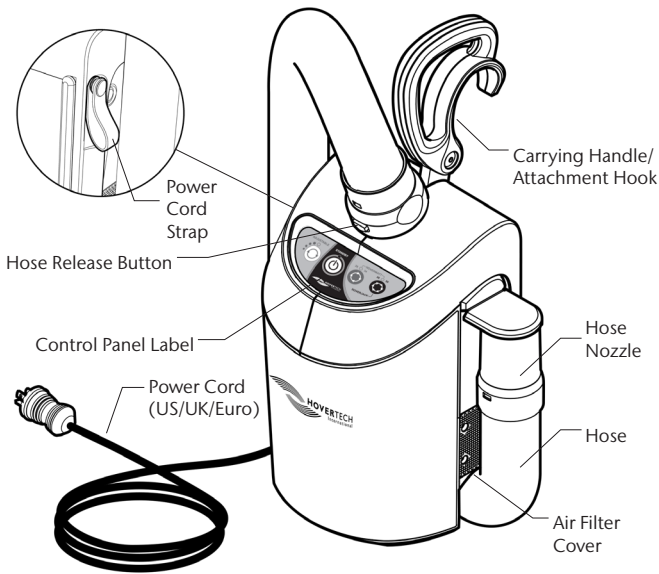
## Part Identification



# HOVERJACK®

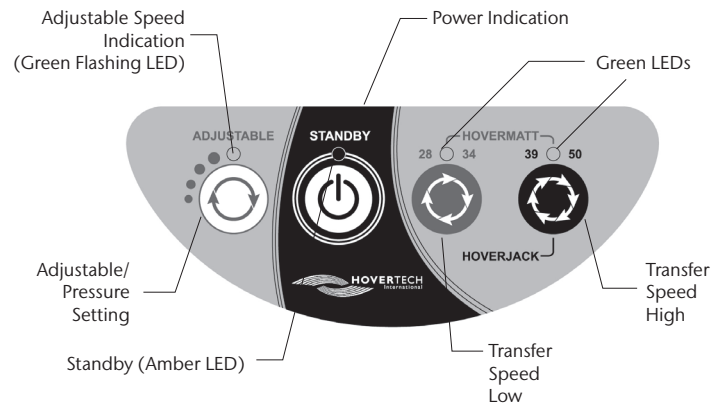
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### Part Identification – HT-Air® Air Supply



WARNING: The HT-Air is not compatible with DC power supplies.  
The HT-Air is not for use with the Hoverjack Battery Cart.

### HT-Air® Keypad Functions



**ADJUSTABLE:** For use with HoverTech air-assisted positioning devices. There are four different settings. Each press of the button increases the air pressure and rate of inflation. The Green Flashing LED will indicate the inflation speed by the number of flashes (i.e. two flashes equals the second inflation speed).

**All of the settings in the ADJUSTABLE range are substantially lower than the HoverMatt and Hoverjack settings. The ADJUSTABLE function is not to be used for transferring.**

The ADJUSTABLE setting is a safety feature that can be used to ensure the patient is centered on HoverTech air-assisted devices and to gradually accustom a patient who is timid or in pain to both the sound and functionality of the inflated devices.



**STANDBY:** Used to stop inflation/air flow (Amber LED indicates STANDBY mode).



**HOVERMATT 28/34:** For use with 28" & 34" HoverMatts and HoverSlings.



**HOVERMATT 39/50 & HOVERJACK:** For use with 39" & 50" HoverMatts and HoverSlings and 32" & 39" Hoverjacks.

### Air200G/Air400G Air Supplies

If using HoverTech's Air200G or Air400G Air Supplies, press the grey button on the top of the canister to initiate air flow. Press the button again to stop air flow.

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### EMS Evacuation HoverJack® Device Instructions for Use as an Air Patient Lift

1. Place EMS Evacuation HoverJack® Device on the floor next to the patient, making sure the chamber with Valve #4 is on the top and the chamber with Valve #1 is against the floor.
  2. Make certain that all four red-capped deflation valves are capped tightly.
  3. Log-roll patient onto the deflated EMS Evacuation HoverJack and position patient with feet at the valve-end (where indicated). DO NOT secure patient safety straps until fully inflated.
  4. The patient can be placed on top of the EMS Evacuation HoverJack using the HoverMatt® Air Transfer System. (See HoverMatt manual for instructions). If the HoverMatt is used, make certain that the HoverMatt and patient are properly centered on the EMS Evacuation HoverJack. Always deflate the HoverMatt prior to inflating the EMS Evacuation HoverJack. *\*Note: May need to use a slide sheet/slide board in conjunction with the HoverMatt if attempting to transfer a patient on a carpeted surface*
  5. Plug the HoverTech International Air Supply power cord into an electrical outlet.
  6. Turn on the air supply to initiate air flow.
  7. To begin inflation hold hose against inlet valve #1 of EMS Evacuation HoverJack.
  8. When fully inflated, remove hose. Valve will automatically close, keeping chamber inflated.
  9. Secure patient safety straps.  
**CHAMBERS MUST BE FULLY INFLATED TO ENSURE STABILITY.**
  10. Using the same process, move to valve #2, valve #3 and valve #4 in exact succession, or until the EMS Evacuation HoverJack reaches desired height.
  11. Turn off HoverTech International Air Supply, and attach inlet valve caps, if desired.
  12. If transferring from the EMS Evacuation HoverJack onto an adjacent surface, unbuckle patient safety straps.
  13. If it is necessary to lower patient, release air by opening the uppermost red deflate valve #4. When chamber #4 is fully deflated, move in succession downward to fully deflate the EMS Evacuation HoverJack. Caution: DO NOT RELEASE MULTIPLE CHAMBERS AT ONCE.
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### EMS Evacuation HoverJack® Device Instructions for Use as an Evacuation Device

1. To inflate, follow steps 1-4 of instructions for use as an air patient lift.
2. Unzip foot pouch and position EMS Evacuation HoverJack as close as possible to adjacent surface.
3. Transfer patient from bed or stretcher onto EMS Evacuation HoverJack.
4. Ensure that the patient's body is centered, and zip foot pouch.
5. If necessary, inflate the head-end wedge.
6. Using the buckles, secure safety straps over the patient and adjust until taut.
7. Using footend transport straps and handles located around the perimeter of the EMS Evacuation HoverJack, pull patient to the nearest stairwell, and position the EMS Evacuation HoverJack so that the patient can be taken down the stairs feet first.
8. Before descending the stairs, chambers 3 and 4 must be fully deflated. To release air, slowly open the uppermost red deflate valve #4. When chamber #4 is fully deflated, repeat the process for chamber #3. DO NOT RELEASE MULTIPLE CHAMBERS AT ONCE.
9. Retighten patient safety straps after deflating chamber #3 and #4 to ensure patient is secure.
10. Caregiver at headend will control evacuation using headend transport straps. Caregiver at headend should be physically stronger.  
A MINIMUM OF THREE CAREGIVERS (TWO AT HEADEND AND ONE AT FOOTEND) SHOULD BE USED TO EVACUATE PATIENT DOWN STAIRS).
11. While 2 caregivers hold the headend transport straps and handles, the footend caregiver will begin to pull the patient down the stairs with the footend transport strap. The Teflon-infused bottom material will allow the EMS Evacuation HoverJack to slide down each flight. If necessary, the footend caregiver can use his/her thigh to brace the EMS Evacuation HoverJack and slow the descent. Once at ground level, move the patient to safety.  
ENSURE THAT PATIENT REMAINS CENTERED ON THE EMS EVACUATION HOVERJACK, AND THAT HIS/HER HEAD DOES NOT SLUMP FORWARD AND RESTRICT BREATHING DURING EVACUATION.

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### Product Specifications/Required Accessories

<b>Material:</b>	Topside Material: Nylon oxford / nylon Skirt: Cordura® fabric Underside Material: Teflon® impregnated polyester
<b>Construction:</b>	RF-Welded
<b>Width:</b>	32" (81cm)
<b>Length:</b>	72" (183 cm)
<b>Height:</b>	30" (76 cm) Inflated [each chamber 7 1/2" (19 cm)]

#### LATEX FREE

Model #: HJ32EV-2

#### WEIGHT LIMIT:

700 lbs (318 kg) for stairwell evacuation

1200 lbs (544 kg) for vertical lift

#### REQUIRED ACCESSORY:

Model #: HTAIR1200 (North American Version) – 120V~, 60 Hz, 10A

Model #: HTAIR2300 (European Version) – 230V~, 50 Hz, 6A

Model #: HTAIR1000 (Japanese Version) – 100V~, 50/60 Hz, 12.5A

Model #: HTAIR2356 (Korean Version) – 230V~, 50/60 Hz, 6A

Model #: Air200G (800 W) (North American Version) – 120V~, 60 Hz, 10A

Model #: Air400G (1100 W) (North American Version) – 120V~, 60 Hz, 10A

### Cleaning & Maintenance

#### EMS EVACUATION HOVERJACK CLEANING INSTRUCTIONS

In between patient use, the EMS Evacuation Hoverjack should be wiped down with a cleaning solution used by your facility for medical equipment disinfection. A 10:1 bleach solution (10 parts water: one part bleach) or disinfectant wipes can also be used. NOTE: Cleaning with bleach solution may discolor fabric.

First remove any visible soil, then clean the area according to the cleaning product manufacturer's recommended dwell time and level of saturation. A gentle scrub brush can also be used on the affected area, if necessary, to help penetrate the EMS Evacuation Hoverjack material.

Do not launder the EMS Evacuation Hoverjack.

#### PREVENTIVE MAINTENANCE

The EMS Evacuation Hoverjack should be periodically inspected to ensure the following:

- All deflation valves are equipped with a red cap.
- The red caps are intact.
- All patient safety straps are attached.
- All buckles and zippers (if applicable) are intact and operational.
- Transport handles and straps are all attached.
- Inflation valves are all self-sealing with no evident leakage.
- There are no punctures or tears.

#### AIR SUPPLY CLEANING AND MAINTENANCE

See air supply manual for reference.

### Returns and Repairs

All products being returned to HoverTech International (HTI) must have a Returned Goods Authorization (RGA) number issued by the company. Please call (800) 471-2776 and ask for a member of the RGA Team who will issue you an RGA number. Any product returned without an RGA number will cause a delay in the repair time.

Returned products should be sent to:

HoverTech International  
Attn: RGA # \_\_\_\_\_  
4482 Innovation Way  
Allentown, PA 18109

For European companies, send returned products to:

Attn: RGA # \_\_\_\_\_  
Kista Science Tower  
SE-164 51 Kista, Sweden  
www.Etac.com  
OrderExport@Etac.com



4482 Innovation Way  
Allentown, PA 18109


800.471.2776  
Fax 610.694.9601

www.HoverMatt.com  
Info@HoverMatt.com

# HoverTech Symbols

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 CE MARKING OF CONFORMITY

 SINGLE PATIENT – MULTIPLE USE

 CAUTION

 ELECTRICAL AND ELECTRONIC EQUIPMENT

 OPERATING INSTRUCTIONS

 UDI UNIQUE DEVICE IDENTIFIER

 MEDICAL DEVICE

 KEEP DRY

 HUMIDITY LIMITATION

 TEMPERATURE LIMITATION

 AUTHORIZED REPRESENTATIVE

 MANUFACTURER

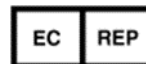
 SERIAL NUMBER

 LOT NUMBER



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*These products comply with the standards applicable for Class 1 products in the Medical Device Regulation (EU) 2017/745 on medical devices.*



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3951DB MAARN, THE NETHERLANDS.  
[www.cepartner4u.com](http://www.cepartner4u.com)

*In case an adverse event in relation to the device, incidents should be reported to our authorized representative, CEPartner4u. CEPartner4u will forward information to the manufacturer.*