



HOVERJACK®

EMS Evacuation

User Manual

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Symbol Reference



DECLARATION OF CONFORMITY
TO MEDICAL DEVICE DIRECTIVE

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, unless using in conjunction with a spinal board (follow your state's protocol regarding use of spinal boards)

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.
- 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 250 lbs/113 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.

WARNING/CAUTION

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

PRECAUTIONS

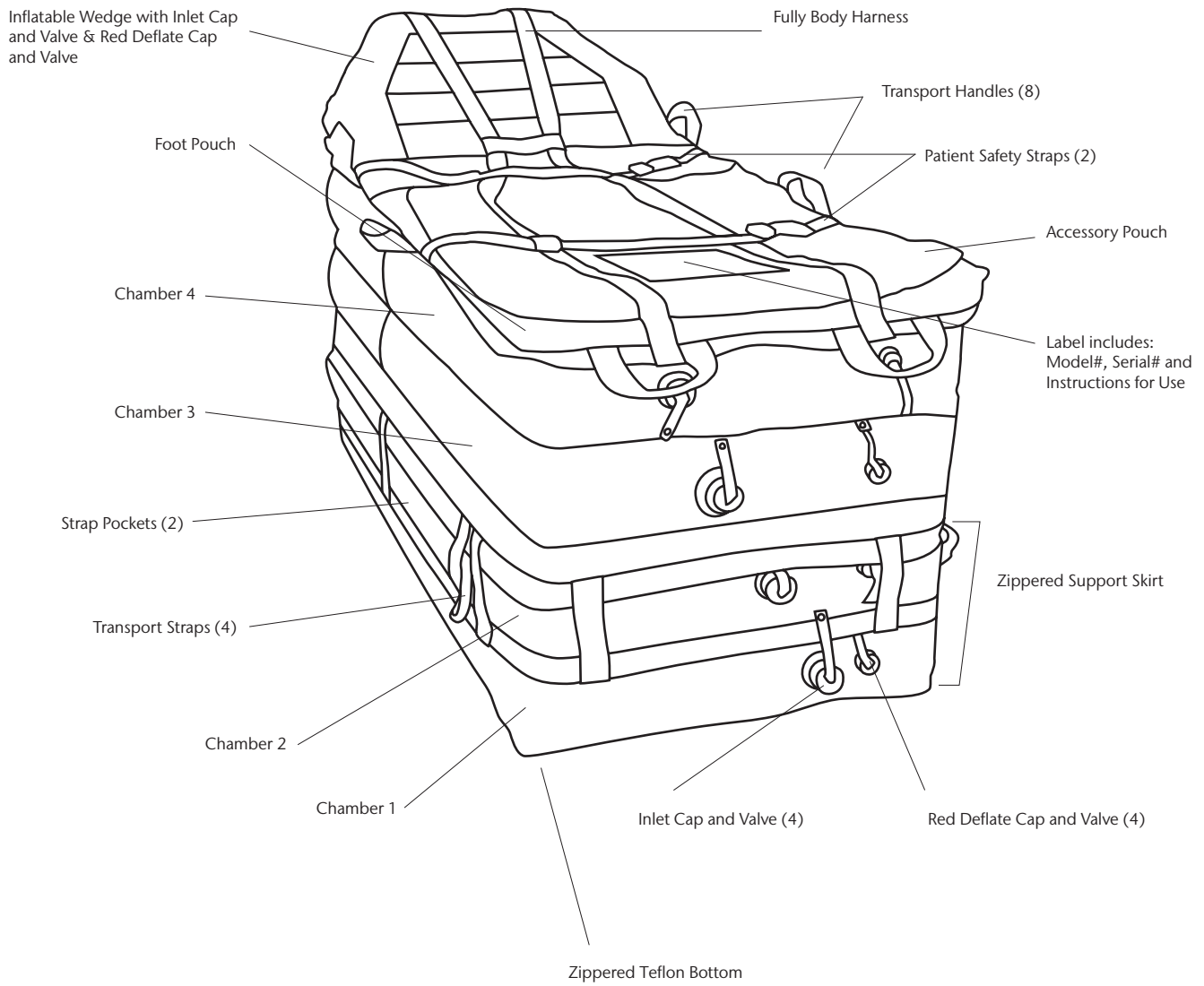
– HOVERTECH INTERNATIONAL AIR SUPPLY

- 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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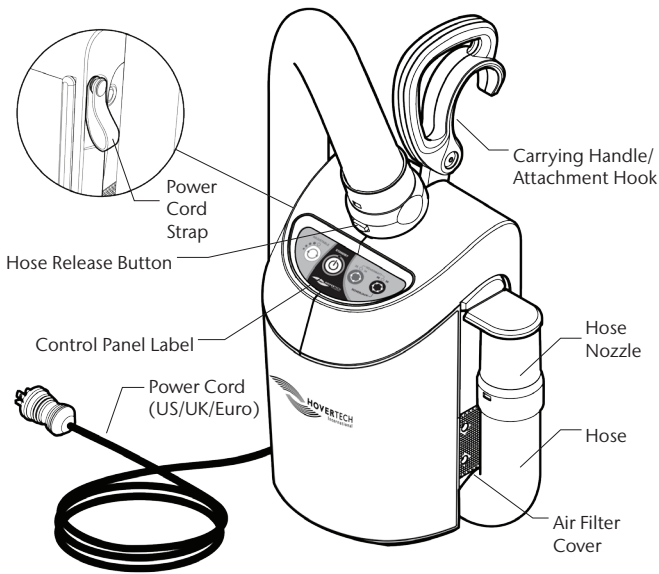
Part Identification



HOVERJACK®

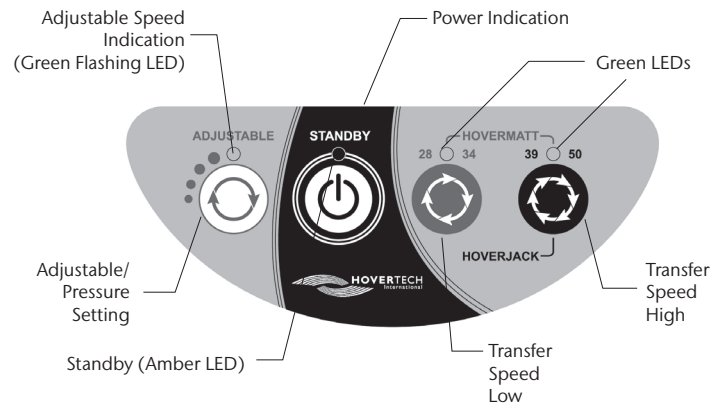
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Part Identification – HT-Air® Air Supply



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.

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), and loosely secure patient safety straps. Straps will tighten during inflation.
 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.
 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.
- CHAMBERS MUST BE FULLY INFLATED TO ENSURE STABILITY.**
9. 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.
 10. Turn off HoverTech International Air Supply, and attach inlet valve caps, if desired.
 11. If transferring from the EMS Evacuation HoverJack onto an adjacent surface, unbuckle patient safety straps.
 12. 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

Material:	Topside Material: Nylon oxford / nylon Skirt: Cordura® fabric Underside Material: Teflon® impregnated polyester
Construction:	RF-Welded
Width:	32" (81cm)
Length:	72" (183 cm)
Height:	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.

Warranty Statement

The EMS Evacuation HoverJack® Device is warranted to be free from defects in materials and workmanship for (1) one year. Warranty begins on date of in-service by a HoverTech International representative or shipment date. In the unlikely event that a problem arises as a result of a defect in materials or workmanship, we will promptly repair your item or replace it if we feel that it cannot be repaired – at our expense and discretion using current models or parts performing the equivalent function – upon receipt of the original item to our repair department.

You must pre-notify HoverTech International by phone (800-471-2776). Item is to be insured by you against loss during transportation and must be shipped with transportation and/or broker charges prepaid. Should any HoverTech International product be returned that is not covered under warranty, there will be a minimum \$100 service charge plus shipping costs.

Lead time for repairs is approximately 2 weeks. Please refer to the Return and Repairs section of this Manual for return instructions.

This warranty is not an unconditional guarantee for the life of the product. Our warranty does not cover product damage that may result from use contrary to manufacturer's instructions or specifications, misuse, abuse, tampering, or damage due to mishandling.

Equipment that has been neglected, improperly maintained, repaired or altered by someone other than an authorized representative of manufacturer, or operated in anyway contrary to the operating instructions, shall void this warranty.

This warranty does not cover normal "wear and tear." Component parts, particularly any optional equipment, valve caps, their attachments and cords, will show wear with use over time and eventually may need to be refurbished or replaced. This normal type of wear is not covered by our warranty, but we will provide prompt, high quality repair service and parts at a nominal cost.

HoverTech International's liability under this warranty and on any claim of any kind for any loss or damage arising out of, connected with, or resulting from the design, manufacture, sale, delivery, installation, repair or operation of its products, whether in contract or tort, including negligence, shall not exceed the purchase price paid for the product and upon expiration of the applicable warranty period, all such liability terminates. The remedies which this warranty provides are exclusive and HoverTech International shall not be liable for any incidental or consequential damages.

There are no warranties, expressed or implied, which extend beyond this warranty statement. The provisions of these warranty clauses are in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on HoverTech International's part and they neither assume nor authorize any other person to assume for HoverTech International any other liability in connection with manufacturer sale or lease of said products. HoverTech International makes no warranty of merchantability or fitness for a particular purpose. By accepting the goods, the buyer acknowledges that buyer has determined the goods are suitable for the buyer's purposes.

MANUFACTURER'S SPECIFICATIONS ARE SUBJECT TO CHANGE.

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.

HTI's warranty covers manufacturer's defects in material and workmanship. If a repair is not covered under warranty, a minimum repair fee of \$100 per item will be assessed, plus return shipping. A Purchase Order for the repair charge should be provided by the facility at the time the RGA number is issued, should the repair not be covered under warranty. Lead-time for repairs is approximately 1-2 weeks, not including shipping time.

Returned products should be sent to:

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

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4482 Innovation Way
Allentown, PA 18109

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