



## **HAUSTED® HORIZON™ SERIES STRETCHERS**



**With AirGlide™ Rails:**

**Models 462APAST,  
462CPAST,  
462DPAST**



**With Retracto™ Rails:**

**Models 462EMCST,  
462FMCST,  
462GMCST,  
462HMCST**



**With 3-Position  
Vertical Side Rails:**

**Model 462EMPST  
(Youth)**

## **OPERATING MANUAL**

**READ THIS MANUAL BEFORE OPERATING YOUR STRETCHER.**

**SAVE THIS MANUAL FOR FUTURE USE.**

**THE MOST CURRENT VERSION OF THIS MANUAL CAN BE  
FOUND ONLINE AT [WWW.HAUSTED.COM](http://WWW.HAUSTED.COM).**

## CONTENTS

INTRODUCTION — A WORD FROM GF HEALTH PRODUCTS, INC. ....	4
INDICATIONS FOR USE .....	4
SERVICE INFORMATION.....	4
ADVISORY .....	4
1 LIST OF WARNINGS AND CAUTIONS .....	5
SIGNIFICANCE OF SAFETY STATEMENTS .....	5
WARNING / CAUTION / NOTICE SUMMARY .....	5
WARNING: TO REDUCE THE RISK OF PERSONAL INJURY .....	5
WARNING — CAUTIONS AND PROPER OPERATION .....	5
2 UNCRATING INSTRUCTIONS.....	7
IMPORTANT — REPORT ANY SHIPPING DAMAGE IMMEDIATELY:.....	7
NOTICE — POSSIBLE EQUIPMENT DAMAGE: .....	7
WARNING — PERSONAL INJURY HAZARD:.....	7
UNPACKING INSTRUCTIONS.....	7
3 OPERATING INSTRUCTIONS .....	8
3.1 BRAKING AND STEERING OPERATION.....	8
3.1.1 APPLYING THE BRAKES .....	8
3.1.2 RELEASING THE BRAKES .....	8
3.1.3 APPLYING THE STEERING LOCK / FIFTH WHEEL.....	9
3.1.4 RELEASING THE STEERING LOCK / FIFTH WHEEL.....	9
3.2 LITTER TOP HEIGHT ADJUSTMENT .....	10
3.2.1 HEIGHT ADJUSTMENT.....	10
3.2.2 LOWERING LITTER TOP .....	10
3.2.3 TRENDLENBURG ADJUSTMENT.....	10
3.2.4 REVERSE TRENDLENBURG ADJUSTMENT .....	10
3.3 FOWLER BACKREST OPERATION .....	11
3.3.1 RAISING THE BACKREST .....	11
3.3.2 LOWERING THE BACKREST.....	11
3.4 BACKREST / KNEE FLEX OPERATION .....	12
3.4.1 RAISING THE BACKREST / KNEE FLEX .....	12
3.4.2 LOWERING THE BACKREST / KNEE FLEX .....	12
3.5 AIRGLIDE RAIL OPERATION .....	13
3.5.1 RAISING THE AIRGLIDE RAIL .....	13
3.5.2 LOWERING THE AIRGLIDE RAIL .....	13
3.5.3 INSTALLING THE ARMBORAD ADAPTER AND SURGICAL BAR .....	14
3.6 RETRACTO RAIL OPERATION .....	15
3.6.1 RAISING THE RETRACTO RAIL .....	15
3.6.2 HALF HEIGHT RETRACTO RAIL .....	15
3.6.3 LOWERING THE RETRACTO RAIL .....	15
3.7 3-POSITION VERTICAL SIDE RAIL OPERATION (YOUTH STRETCHER) .....	16
3.7.1 RAISING THE 3-POSITION VERTICAL SIDE RAIL TO FULL HEIGHT.....	16
3.7.2 RAISING THE 3-POSITION VERTICAL SIDE RAIL TO HALF HEIGHT .....	16
3.7.3 LOWERING THE 3-POSITION VERTICAL SIDE RAIL.....	16
4 SPECIFICATIONS .....	17
ENVIRONMENTAL CONDITIONS (ALL MODELS) .....	17
OPERATING CONDITIONS.....	17
STORAGE AND TRANSPORT CONDITIONS .....	17
MAXIMUM WEIGHT CAPACITY .....	17

	<b>SPECIFICATIONS: HORIZON SERIES STRETCHERS WITH AIRGLIDE RAILS</b>	
	MODELS 462APAST, 462CPAST, 462DPAST .....	17
	<b>SPECIFICATIONS: HORIZON SERIES STRETCHERS WITH RETRACTO RAILS</b>	
	MODELS 462EMCST, 462FMCST, 462GMCST, 462HMCST .....	18
	<b>SPECIFICATIONS: HORIZON SERIES STRETCHER WITH 3-POSITION VERTICAL SIDE RAILS MODEL</b>	
	462EMPST .....	18
5	<b>PREVENTIVE MAINTENANCE FOR THE USER</b> .....	19
6	<b>OPTIONAL ACCESSORIES</b> .....	20
	HORIZON SERIES STRETCHERS, AS LISTED .....	20
7	<b>GF HEALTH PRODUCTS, INC. LIMITED WARRANTY FOR HAUSTED BRAND PRODUCT LINE</b>	
	<b>WITHIN THE U.S.</b> .....	21
8	<b>DISPOSAL AND KEY TO SYMBOLS</b> .....	22
	DISPOSAL .....	22
	KEY TO SYMBOLS .....	22
9	<b>INDEX</b> .....	23

## **COPYING PROHIBITED**

This manual is protected by Federal Copyright Law, which provides for damages of up to USD \$20,000, as well as criminal fines and imprisonment, for unauthorized copying.

© 2016 GF Health Products, Inc. All Rights Reserved Printed in U.S.A.

## INTRODUCTION — A WORD FROM GF HEALTH PRODUCTS, INC.

This manual contains important information on proper use and maintenance of the Hausted Horizon Stretcher. All personnel involved in the use and maintenance of this equipment must carefully review and comply with the warnings, cautions and instructions contained in this manual. These instructions are important to protect the health and safety of personnel operating model 462 and should be retained in a conveniently accessible area for quick reference.

Complete instructions for uncrating and putting your new equipment in service, as well as equipment drawings, have been furnished. If missing, contact GF Health Products, Inc. for replacement copies, giving the serial number and model number of the unit.

GF Health Products, Inc. carries a complete line of accessories for use with these stretchers; your representative will gladly review these with you.

### Indications for Use

The Hausted Horizon Series Multi-Purpose Stretchers and Youth Care Stretchers are intended for patient transport, treatment and recovery.

### Service Information


A thorough preventive maintenance program is essential to safe and proper unit operation. This manual contains maintenance schedules and procedures which should be followed for satisfactory equipment performance.

We encourage you to contact GF Health Products, Inc. with maintenance concerns.

### Advisory

A listing of the safety precautions to be observed when operating and servicing this equipment can be found in Section 1 of this manual. Do not operate or service the equipment until you have become familiar with this information. Any alteration of this equipment not authorized or performed by GF Health Products, Inc., could affect its operation, will void the warranty, could violate national, state, and local regulations, and could jeopardize your insurance coverage.

	<b>Manufactured by:</b> <b>GF Health Products, Inc.</b> <b>336 Trowbridge Drive</b> <b>Fond du Lac, WI 54937</b> <b>770-368-4700 Main</b> <b>770-368-2386 Fax</b> <b><a href="http://www.grahamfield.com">www.grahamfield.com</a></b> <b><a href="http://www.Hausted.com">www.Hausted.com</a></b>
---	--

	<b>Equipment not suitable for use in the presence of flammable anesthetic mixture with air or oxygen or nitrous oxide.</b>
---	--

*Info: The base language of this document is ENGLISH. Any translations must be made from the base language document.*



# 1 LIST OF WARNINGS AND CAUTIONS

**⚠ IMPORTANT:** Before using the Hausted Horizon Stretcher, please read and adhere to the following safety precautions and warnings. Failure to do so could result in serious personal injury or damage to the Stretcher.

Always consult your healthcare professional to determine safe methods most suitable for your individual abilities. Protect yourself, your attendant, and the Hausted Horizon Stretcher by having it serviced regularly. If you experience any malfunction, contact your Graham-Field authorized distributor immediately, as a hazardous condition could result, causing personal injury or damage to the Stretcher.

Periodic inspection, adjustment and replacement of worn parts are necessary to provide years of excellent service. Maintenance **MUST** be performed by qualified personnel **ONLY**.

**SAVE THESE INSTRUCTIONS.**

## SIGNIFICANCE OF SAFETY STATEMENTS

Please note the following special statements, used throughout this manual, and their significance:

- ⚠ WARNING:** Indicates a potential hazard situation or unsafe practice that, if not avoided, could result in death or serious personal injury.
- ⚠ CAUTION:** Indicates a potential hazard situation or unsafe practice that, if not avoided, could result in minor or moderate personal injury.
- ▲ NOTICE:** Indicates a potential hazard situation or unsafe practice that, if not avoided, could result in product or property damage.

*Info: Provides application recommendations or other useful information to ensure that you get the most from your product.*

## WARNING / CAUTION / NOTICE Summary

The following is a listing of the safety precautions which must be observed when operating and servicing this equipment. These precautions are repeated (in whole or in part), where applicable, throughout the manual.

### WARNING: To Reduce the Risk of Personal Injury

- ⚠ WARNING: LACERATION HAZARD** — When cutting bands always use a tool specifically designed for that purpose. This will help to avoid personal injuries frequently incurred when bands are cut and tension released.

## WARNING — CAUTIONS AND PROPER OPERATION

- ⚠ WARNING:** Horizon series Stretcher models 462APAST, 462CPAST, 462EMCST, 462GMCST, and 462EMPST have a maximum weight capacity of 500 lb (227 kg).  
Horizon series Stretcher models 462DPAST, 462FMCST, and 462HMCST have a maximum weight capacity of 800 lb (363 kg).
- ⚠ WARNING:** Patient entry, egress and transfer should always be done with the brakes locked.
- ⚠ WARNING:** The caster braking system should always be locked when patient is not in transport.

- ⚠ WARNING: The caster braking system should always be locked and patient side rails in upright locked position when patient is left unattended.**
- ⚠ WARNING: Always ensure side rails are in upright locked position before leaving patient unattended.**
- ⚠ WARNING: Do not sit on head or foot end — tipping may occur.**
- ⚠ WARNING: Do not modify the equipment without the authorization of the manufacturer.**
- ⚠ WARNING: NOTICE FOR CALIFORNIA CUSTOMERS- California Proposition 65 Warning: This product contains a chemical known to the State of California to cause cancer and reproductive or developmental harm.**
- ⚠ CAUTION: When lowering the rails, ensure patient and caregiver body and extremities are clear of pinch points before operating the rail.**

## 2 UNCRATING INSTRUCTIONS

### **IMPORTANT — REPORT ANY SHIPPING DAMAGE IMMEDIATELY:**

**⚠ WARNING:** Inform shipper of any damage — leave carton intact. Leave equipment in the receiving area until inspection is complete.

### **NOTICE — POSSIBLE EQUIPMENT DAMAGE:**

**▲ NOTICE:** The crate contains fragile, expensive medical equipment. Uncrate and handle carefully. If after uncrating the equipment you find any damage (no matter how slight), report the damage to GF Health Products, Inc.

### **WARNING — PERSONAL INJURY HAZARD:**

**⚠ WARNING:** When cutting bands, always use tool specifically designed for that purpose. This will help avoid personal injuries possibly incurred when bands are cut and tension is released.

## **UNPACKING INSTRUCTIONS**

**IMPORTANT:** Follow each step in the order shown in these instructions.

Your Hausted equipment has been carefully packed at our manufacturing plant to ensure safe shipment to your medical facility. There are several procedures you must follow to put your new equipment in service. These procedures only take a few minutes to complete and all are required to ensure proper operation of the equipment.

1. Cut the two bands around the shipping carton.
2. Remove the top half of the carton and cut one side of the bottom half.
3. Remove the equipment from the carton.
4. Check to see if all features of the equipment work properly. If all the features work, advance to step 5. If any features do not work properly, call GF Health Products, Inc. at 770-368-4700.
5. Clean the equipment using mild detergent to remove any dirt accumulated during shipment, and place the equipment into service.

## 3 OPERATING INSTRUCTIONS

### 3.1 BRAKING AND STEERING OPERATION

**⚠ WARNING—PERSONAL INJURY  
HAZARD AND / OR EQUIPMENT  
DAMAGE HAZARD:**

The caster braking system should always be locked when patient is not in transport.

The caster braking system should always be locked and patient side rails in upright locked position when patient is left unattended.

**⚠ WARNING—PROPER OPERATION  
HAZARD:**

Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2" (13 mm) across the span of the stretcher.



Figure 3-1



Figure 3-2

#### 3.1.1 Applying the Brakes

Activate the four-wheel central braking system by depressing the red pedal at any of the unit's four corners (Figure 3-1). To fully engage brakes, press pedal to approximately 45°. All four caster wheels will then be locked from swiveling and rotating.

#### 3.1.2 Releasing the Brakes

Depress the green pedal at any of the unit's four corners until the pedal is in a horizontal position (Figure 3-2). All four wheels will then rotate and swivel freely.

**⚠ WARNING: The caster braking system  
should always be locked when patient is  
not in transport.**

**⚠ WARNING—PROPER OPERATION  
HAZARD:**

Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2" (13 mm) across the span of the stretcher.



Figure 3-3

**3.1.3 Applying the Steering Lock / Fifth Wheel**

Depress the green pedal at any of the unit's four corners downward into locked position. (Figure 3-3). Steering lock – one caster at foot end locks into non-swivel mode, allowing straight steering by the attendant. Fifth wheel – a center-steer caster lowers and applies pressure to floor, allowing straight steering by the attendant.

**3.1.4 Releasing the Steering Lock / Fifth Wheel**

Depress the red pedal at any of the unit's four corners until the pedal is in a horizontal position (Figure 3-2). All four wheels will then rotate and swivel freely, and / or optional fifth wheel lifts off floor.

## 3.2 LITTER TOP HEIGHT ADJUSTMENT

### 3.2.1 Height Adjustment

Press pump pedal to floor (Figure 3-4), then release. Repeat this process until desired height is obtained. Use smooth strokes on pump pedal to ensure patient comfort.



Figure 3-4

### 3.2.2 Lowering Litter Top

Press down on two release pedals at the same time (Figure 3-5) until desired height is obtained.

▲ **NOTICE:** Do not stand on release pedals.

### 3.2.3 Trendelenburg Adjustment

Place unit at maximum height: see “Height Adjustment” above. Press down on the release pedal nearest the head end (Figure 3-6) until desired position is obtained, then remove pressure.



Figure 3-5

### 3.2.4 Reverse Trendelenburg Adjustment

Place the unit at maximum height: see “Height Adjustment” above. Press down on release pedal nearest foot end (Figure 3-7) until desired position is obtained, then remove pressure.



Figure 3-6



Figure 3-7

### **3.3 FOWLER BACKREST OPERATION**

#### **3.3.1 Raising the Backrest**

Grasp fowler backrest frame tube and gas spring activating handle from either side of stretcher. Squeeze handle and tube together and lift. Once desired incline is achieved, release handle.

*Info: the amount of manual lifting required will vary depending on patient size; the gas spring is intended only to assist in lifting patient.*

#### **3.3.2 Lowering the Backrest**

Grasp fowler backrest frame tube and gas spring activating handle from either side of the stretcher. See Figure 3-8. Squeeze handle and tube together while supporting fowler. Adjust incline either by slowly lowering patient or by pressing fowler down. Release handle once desired incline is achieved.

*Info: the amount of manual support required will vary depending on patient size; the gas spring is intended only to assist in lowering patient.*



Figure 3-8

## **3.4 BACKREST / KNEE FLEX OPERATION**

### **3.4.1 Raising the Backrest / Knee Flex**

To elevate backrest or knee flex, flip crank handle upwards, and rotate crank handle clockwise. See Figure 3-9. When reaching desired position, stop rotating handle and return crank handle to its original position. See Figure 3-10.

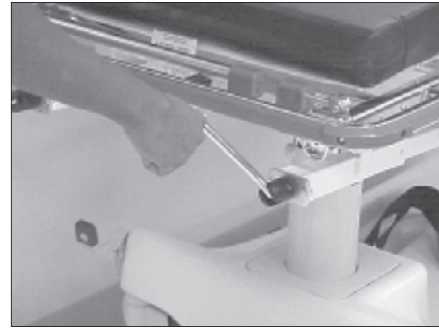


Figure 3-9

### **3.4.2 Lowering the Backrest / Knee Flex**

To lower backrest or knee flex, flip crank handle upwards, and rotate crank handle counterclockwise. See Figure 3-9. When reaching desired position, stop rotating handle and return crank handle to its original position. See Figure 3-10.

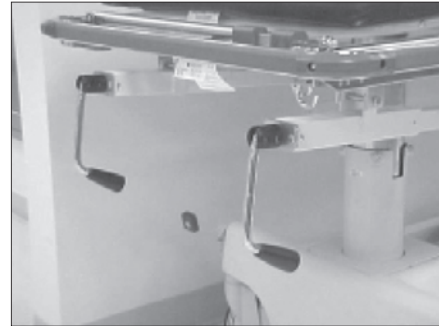


Figure 3-10



## 3.5 AIRGLIDE RAIL OPERATION

(Models 462APAST, 462CPAST, 462DPAST)

### 3.5.1 Raising the AirGlide Rail

Refer to Figures 3-11A & 3-11B. Grasp rail top tube from under litter top firmly, then pull up until rail locks into full up position.

**⚠ WARNING: Verify latching of rail before leaving patient unattended.**

### 3.5.2 Lowering the AirGlide Rail

Firmly grasp top of rail, pull out on red tab located under litter top at foot or head end (Figure 3-12). Lower side rail completely under litter top.

**⚠ WARNING: Always ensure side rails are in upright locked position before leaving patient unattended.**



Figure 3-11A

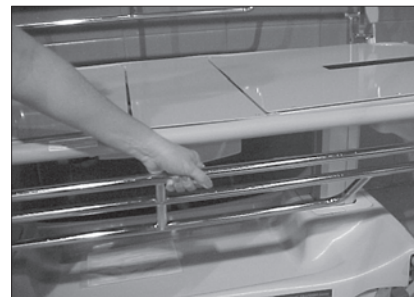


Figure 3-11B

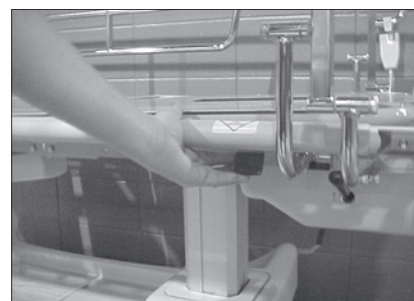


Figure 3-12

### 3.5.3 Installing the Armboard Adapter and Surgical Bar

1. Refer to Figure 3-13. Install surgical bar adapter by positioning adapter over bumper channel and pad, then slide adapter downward until it rests on channel.
2. Refer to Figure 3-14. Secure adapter by inserting tethered pin into hole in adapter. Insert fully until pin is locked through both sides of the adapter.
3. Refer to Figures 3-15A and 3-15B. Mount armboard to adapter by tilting armboard upwards slightly, engaging upper portion of clamp over surgical bar on adapter.
  - a. Once armboard is engaged with surgical bar, lower to horizontal position to lock.
  - b. To remove armboard, depress gravity latch and lift armboard from surgical bar.

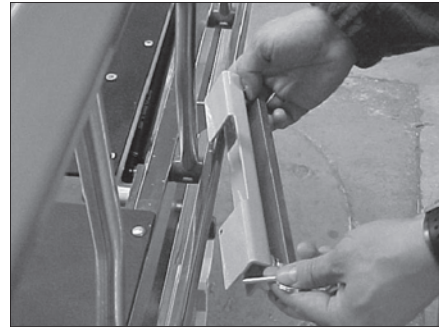


Figure 3-13

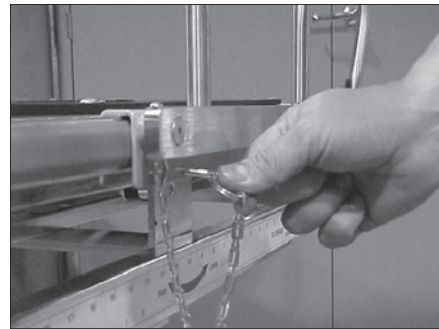


Figure 3-14



Figure 3-15A



Figure 3-15B

## 3.6 RETRACTO RAIL OPERATION

(Models 462EMCST, 462FMCST, 462GMCST, 462HMCST)

### ⚠ **WARNING—PROPER OPERATION HAZARD:**

Patient entry, egress and transfer should always be done with caster braking system locked.

Caster braking system should always be locked and patient side rails in upright locked position when patient is left unattended.

### 3.6.1 Raising the Retracto Rail

Grasp rail top cap in the middle of the rail (Figure 3-16), and lift.

### 3.6.2 Half Height Retracto Rail

Grasp the rail (Figure 3-16) and lift up on red trigger under the litter top (Figure 3-17) while lowering rail. When rail starts to move down, release trigger. Lower rail until it locks into half height position.

### 3.6.3 Lowering the Retracto Rail

Grasp the rail (Figure 3-16) and lift up on red trigger under the litter top (Figure 3-17) while lowering rail. Hold the trigger up until the rail is all the way down.

⚠ **CAUTION:** When lowering the rails, ensure patient and caregiver (or attendant) body and extremities are clear of pinch points before operating the rail.

⚠ **WARNING:** Always ensure side rails are in upright locked position before leaving patient unattended.



Figure 3-16



Figure 3-17



Figure 3-18

## 3.7 3-POSITION VERTICAL SIDE RAIL OPERATION (YOUTH STRETCHER)

(Model 462EMPST)

### ⚠ WARNING—PROPER OPERATION HAZARD:

Patient entry, egress and transfer should always be done with caster braking system locked.

Caster braking system should always be locked and patient side rails in upright locked position when patient is left unattended.

### 3.7.1 Raising the 3-Position Vertical Side Rail to Full Height

Refer to Figure 3-18A & 3-18B. Grasp the rail top tube in the center of the rail. With free hand, squeeze the rail trigger and lift the rail all the way up. Once the rail is all the way up, release the rail trigger and lower the rail slowly until the trigger engages. Check rail lock by trying to squeeze the rail trigger — if you cannot squeeze the trigger, the rail is locked securely. Release the rail top tube.

⚠ **WARNING:** Always ensure side rails are in upright locked position before leaving patient unattended.

### 3.7.2 Raising the 3-Position Vertical Side Rail to Half Height

Refer to Figure 3-18B. Grasp rail top tube in center of rail and raise rail until it engages. Check rail lock by trying to squeeze rail trigger. If trigger will not squeeze, the rail is locked securely. Release rail top tube.

⚠ **WARNING:** Always ensure side rails are in upright locked position before leaving patient unattended.

### 3.7.3 Lowering the 3-Position Vertical Side Rail

Refer to Figure 3-18C. Grasp top tube in center of rail and squeeze rail trigger with free hand while lifting slightly on rail. This should allow rail trigger to release trigger lock. Lower rail slowly. If 'half height' is desired, release rail trigger as soon as the rail starts lowering. If 'full down' is desired, continue to squeeze the trigger until rail is completely lowered.

⚠ **WARNING:** Always ensure side rails are in upright locked position before leaving patient unattended.

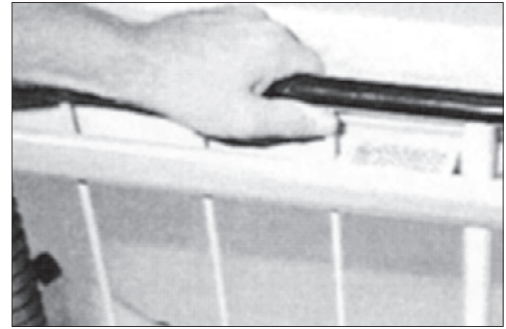


Figure 3-18A

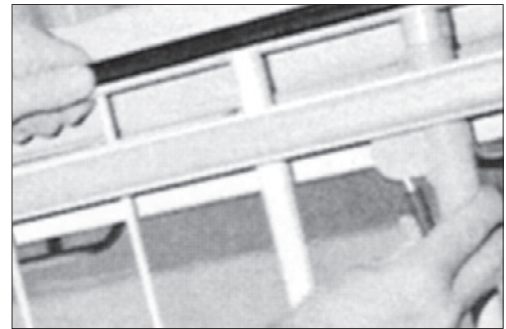


Figure 3-18B

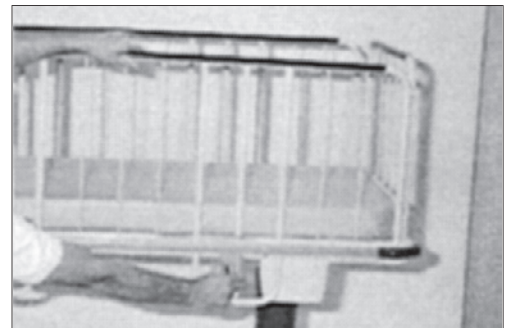


Figure 3-18C

## 4 SPECIFICATIONS

### ENVIRONMENTAL CONDITIONS (ALL MODELS)

Operating Conditions	
Temperature	10°C to 40°C
Relative Humidity	20% to 90% @ 30°C
Atmospheric Pressure	700 hPa to 1060 hPa

Storage and Transport Conditions	
Temperature	-10°C to 50°C
Relative Humidity	20% to 90% @ 30°C
Atmospheric Pressure	700 hPa to 1060 hPa

### MAXIMUM WEIGHT CAPACITY

**⚠ WARNING:** Horizon series Stretcher models 462APAST, 462CPAST, 462EMCST, 462GMCST, and 462EMPST have a maximum weight capacity of 500 lb (227 kg).  
Horizon series Stretcher models 462DPAST, 462FMCST, and 462HMCST have a maximum weight capacity of 800 lb (363 kg).

All Horizon stretchers have a warning label at head or foot end of stretcher top frame that states maximum weight capacity. Those models whose weight capacity has been increased (462EMPST, 462DPAST, 462FMCST, and 462HMCST) can be identified by this weight capacity label at head or foot of stretcher top frame, as well as the navy bumper channel and rail cap; earlier models with lower weight capacity, and those with unchanged weight capacity, have a gray bumper channel and rail cap.

### SPECIFICATIONS: HORIZON SERIES STRETCHERS WITH AIRGLIDE RAILS MODELS 462APAST, 462CPAST, 462DPAST

Specification	Model	Standard Width 462APAST, 462CPAST	Wide Width 462DPAST
Maximum Height		34.75 in (88 cm)	34.75 in (88 cm)
Minimum Height		22 in (56 cm)	22 in (56 cm)
Overall Width		31.25 in (79.4 cm)	35 in (89 cm)
Overall Length		83 in (210 cm)	83 in (210 cm)
Patient Surface Width		28 in (71 cm)	32 in (81 cm)
Patient Surface Length		76 in (193 cm)	77 in (196 cm)
Backrest Degree of Movement		0° - 90°	0° - 90°
Knee Flex Degree of Movement		0° - 70° (CPA)	0° - 70°
Trendelenburg / Reverse Trendelenburg		16°	16°
AirGlide Rail Height		15 in (38 cm)	15 in (38 cm)
AirGlide Rail Length		75 in (190 cm)	75 in (190 cm)
Casters		8 in Tente® (20 cm)	8 in Tente® (20 cm)
Maximum Weight Capacity (Evenly Distributed)		500 lb (227 kg)	800 lb (363 kg)
Pad		4 in (10 cm)	4 in (10 cm)

## **SPECIFICATIONS: HORIZON SERIES STRETCHERS WITH RETRACTO RAILS MODELS 462EMCST, 462FMCST, 462GMCST, 462HMCST**

<b>Specification</b>	<b>Model</b>	<b>Standard Width 462EMCST, 462GMCST</b>	<b>Wide Width 462FMCST, 462HMCST</b>
Maximum Height		34.75 in (88 cm)	34.75 in (88 cm)
Minimum Height		22.25 in (56.5 cm)	22.25 in (56.5 cm)
Overall Width		30 in (76 cm)	34.5 in (87.6 cm)
Overall Length		83 in (210 cm)	83 in (210 cm)
Patient Surface Width		25 in (63.5 cm)	30 in (76 cm)
Patient Surface Length		76 in (193 cm)	77 in (196 cm)
Backrest Degree of Movement		0° - 90°	0° - 90°
Knee Flex Degree of Movement		0° - 70° (GMC)	0° - 70° (HMC)
Trendelenburg / Reverse Trendelenburg		16°	16°
Retracto Rail Height		15 in (38 cm)	15 in (38 cm)
Retracto Rail Length		60 in (152 cm)	60 in (152 cm)
Casters		8 in Tente® (20 cm)	8 in Tente® (20 cm)
Maximum Weight Capacity (Evenly Distributed)		500 lb (227 kg)	800 lb (363 kg)
Pad		4 in (10 cm)	4 in (10 cm)

## **SPECIFICATIONS: HORIZON SERIES STRETCHER WITH 3-POSITION VERTICAL SIDE RAILS MODEL 462EMPST**

<b>Specification</b>	<b>Model</b>	<b>462EMPST</b>
Maximum Height		37 in (94 cm)
Minimum Height		28.5 in (92.4 cm)
Overall Width		30 in (76 cm)
Overall Length		83 in (210 cm)
Patient Surface Width		25 in (63.5 cm)
Patient Surface Length		76 in (193 cm)
Backrest Degree of Movement		0° - 90°
Knee Flex Degree of Movement		-
Trendelenburg / Reverse Trendelenburg		12°
Vertical Rail Height		16 in (41 cm)
Vertical Rail Length		73 in (185 cm)
End Rail Height		16 in (41 cm)
End Rail Length		23 in (58 cm)
Spindle Gap Maximum		2.5 in (6 cm)
Spindle Gap Minimum		4 in (10 cm)
Casters		8 in Tente® (20 cm)
Maximum Weight Capacity (Evenly Distributed)		500 lb (227 kg)
Pad		3 in (8 cm)



## 5 PREVENTIVE MAINTENANCE FOR THE USER

Component	Cleaning Procedure	Schedule	Cleaning Agent *	Special Notes
Pads / Mattresses	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Use only medium strength cleaners Do not steam clean or pressure wash
Stretcher	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Lubricate pivot points after cleaning
Electrical components	Wipe external surfaces ONLY with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Use only medium strength cleaners
Mechanical stretcher components	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Lubricate pivot points after cleaning
Mechanical accessories	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Lubricate pivot points after cleaning
Procedure		Schedule	Material	
Lubricate all moving and sliding parts and hinge points		Every 3 months	Lubricating oil, light-duty grease, wax stick lubricant or Never-Seez lubricant	
⚠ NEVER LUBRICATE GAS SPRING, MOTOR OR MECH-LOCK SHAFTS ⚠				
Inspect all fasteners to ensure proper fit, position and tightness (including nuts, bolts, etc.)		Every 3 months	Proper size wrench and screwdriver	
Inspect all surfaces and remove any sharp or burred areas; apply touch-up paint where required		Every 3 months	Metal file, proper color paint (specify color when ordering)	

- \* **Disinfectants, vinyl products:** Phenolic disinfectants are the best choice for vinyl products; properly diluted quaternaries are also acceptable. Quaternary / Isopropyl disinfectants are not recommended for vinyl.
- Disinfectants, urethane products:** Quaternary disinfectants are recommended for urethane products. Quaternary / Isopropyl disinfectants are recommended for urethane. Phenolics should be avoided on urethane.
- Disinfectants, all products:** All fabrics may be cleaned with a 1:10 dilution of household bleaches containing 5.25% sodium hypochlorite as recommended by the Centers for Disease Control in Atlanta, Georgia. There is no harmful effect on the fabric. Disinfectants applied at full concentration or in highly concentrated solutions will decrease the useful life of fabric. Iodophor type disinfectants used on fabrics may result in staining.
- Soils or Stains:** Use neutral soapsuds and lukewarm water. Do not use harsh cleansers, solvents or detergents.
- Hard-To -Clean Spots:** Use standard household / vinyl cleansers and a soft bristle brush on troublesome spots or stains. Presoak heavy, dried-on soil.
- Laundering Vinyl-laminated or Rubber-coated fabric is not recommended.** Laundering may substantially decrease the useful life of the fabric.
- Laundering Polyurethane-coated fabric:** Machine wash with detergent up to 120°F. Some surface wrinkling may occur; this wrinkling has no adverse effect on the fabric properties. Hang or tumble dry thoroughly at 140°F before storage.

**▲ NOTICE — POSSIBLE EQUIPMENT DAMAGE HAZARD: Steam cleaning and pressure washing of stretcher is not recommended and can void warranty.**

*Info: For more detailed information, please contact GF Health Products, Inc. at 770-368-4700.*

*Info: In addition to the User Preventive Maintenance, a more detailed Preventive Maintenance Program is also required to keep the equipment in good working order. This Preventive Maintenance Program is found on our website, at [www.Hausted.com](http://www.Hausted.com).*

## 6 OPTIONAL ACCESSORIES

### Horizon Series Stretchers, as Listed

		Model							
		462APAST	462CPAST	462DPAST	462EMCST	462FMCST	462GMCST	462HMCST	462EMPST
Item No.	Description								
H07633400	Armboard and Surgical Bar Adapter				X	X	X	X	X
H06518000	Armboard w/1 in (2.5 cm) Pad and Adapter	X	X	X					
H00005400	Lateral X-Ray Cassette Holder				X	X	X	X	X
H131490	Articulating Headrest 22 1/4 in (56.5 cm)				X		X		X
H131495	Articulating Headrest 27 in (69 cm)					X		X	
HSA094100	Standard Articulating Headrest 18 in (46 cm)	X	X						
HSA0942	Extra-Wide Articulating Headrest 21 in (53 cm)			X					
H06883600	Footboard w/ Monitor Shelf and Chartholder				X		X		X
H06884600	Footboard w/ Monitor Shelf and Chartholder					X		X	
H06929900	Footboard w/ Monitor Shelf and Chartholder			X					
H06883500	Footboard w/ Monitor Shelf and Chartholder	X	X						
H00006B00	Stationary Head/Footboard				X		X		X
H000W6B00	Head/Footboard (Extra-Wide)					X		X	
H00CR6B00	Footboard w/ Chart Holder				X		X		X
H0CRW6B00	Footboard w/ Chart Holder (Extra-Wide)					X		X	
H06722500	Head/Footboard w/ Chart Holder (Extra Wide)	X	X						
H06938100	Head/Footboard w/ Chart Holder (Stationary)			X					
H00N16A00	Heel Stirrups w/ Mounting Adapter				X	X	X	X	X
H00C16H00	Heel Stirrups (Pair)	X	X	X					
H00L16M00	Mounting Adapter Clamps For Stirrups	X	X	X					
H000E1700	Fixed Height IV Pole, 42 in (107 cm)	X	X	X	X	X	X	X	X
H000018	Telescoping IV Pole 27 in - 54 in (68 cm - 137 cm)	X	X	X	X	X	X	X	X
H06589700	Mobile IV Stand Attachment				X	X	X	X	X
HIVSTOW00	Mobile IV Stand Attachment	X	X	X					
H06925700	Paper Roll Holder	X	X	X	X	X	X	X	X
H06536600	Universal Patient Tray	X	X	X	X	X	X	X	X
H13317000	Under-Fowler Utility Tray				X		X		X
H13317100	Under-Fowler Utility Tray (Extra Wide)					X		X	
H07565600	Push Handle Assembly - Bumpered				X	X	X	X	X
H07566400	Push Handle Assembly - Tube Top	X	X						
H07566500	Push Handle Assembly - Tube Top			X					
H12845000	Vertical Oxygen Tank Holder Assembly	X	X	X	X	X	X	X	X
H076336	Surgical Accessory Rail (Retracto)				X	X	X	X	X
H076540	Surgical Accessory Rail (AirGlide)	X	X	X					
H07562600	Rail Pad Cover (6 Leg Retracto Rail)				X	X	X	X	
H06774100	Side Rail Pads	X	X	X					X
H00P11R00	Side and End Rail Pads								X

**⚠ WARNING:** It is recommended that only accessories approved by GF Health Products, Inc. be used with this device.

*Info: To order accessories, or for more detailed information on accessories, please contact GF Health Products, Inc. at 770-368-4700.*



# 7 GF HEALTH PRODUCTS, INC. LIMITED WARRANTY FOR HAUSTED BRAND PRODUCT LINE WITHIN THE U.S.

## SCOPE OF WARRANTY

GF Health Products, Inc. ("GF") warrants to the original purchaser only that it will replace or repair components, at GF's sole discretion, that are defective in material or workmanship under normal use and service. All warranties are conditioned upon the proper use of the products strictly in accordance with good commercial practice and applicable GF instructions and manuals, including proper use and maintenance. To the extent that a component is warranted by a third party, GF conveys all of its rights under that warranty to the original purchaser, to the extent permitted.

This limited warranty shall only apply to defects that are reported to GF's customer service team within the applicable warranty period and which, upon examination by GF or its authorized representative, prove to be a warranty item. This limited warranty is not transferable.

The warranted components and time period are set forth below:

COMPONENT	PARTS WARRANTY	LABOR WARRANTY
Frame	5 years	5 years
Hydraulics	1 year	1 year
Casters	1 year	1 year
Pneumatic gas springs	1 year	1 year
Pads and mattresses	1 year	1 year
Patient weighing system	1 year	1 year
Electrical components	1 year	1 year
Optional accessories	1 year	1 year
Replacement parts *	90 days	

*\*The warranty period is as designated above. If a part is replaced under warranty, the original warranty period will not be affected. All other replacement parts will be subject to the warranty period specified.*

The applicable warranty period shall commence from date of shipment to the original customer, unless there is an expiration date on the component in which case the warranty shall expire on the earlier of warranty period or the expiration date.

## OBTAINING WARRANTY SERVICE

A GF Customer Service Representative must authorize warranty service. Please contact the GF Customer Service department by calling 770-368-4700, sending a fax request to 770-368-2386 or by e-mailing a request to [cs@grahamfield.com](mailto:cs@grahamfield.com). Specific directions will be provided by the Customer Service Representative. Failure to abide by the specific directions will result in denial of the warranty claim.

## EXCLUSIONS

The warranty does not cover and GF shall not be liable for the following:

- 1) Defects, damage, or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident, freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- 2) Products which are not installed, used, or properly cleaned and maintained as required in the official manual for the applicable product;
- 3) Products considered to be of a consumable nature including, but not limited to: filters, fuses, gaskets, lubricants, and charts;
- 4) Accessories or parts not provided by GF;
- 5) Charges by anyone for adjustments, repairs, replacement parts, installation or other work performed upon or in connection with such products which are not expressly authorized in writing, in advance, by GF;
- 6) Any shipping charges incurred in the replacement part installation or repair;
- 7) Costs and expenses of regular maintenance and cleaning; and
- 8) Representations and warranties made by any person or entity other than GF.

## ENTIRE WARRANTY, EXCLUSIVE REMEDY AND CONSEQUENTIAL DAMAGES DISCLAIMER

THIS WARRANTY IS GF'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. GF MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IF ANY MODEL OR SAMPLE WAS SHOWN TO THE CUSTOMER, SUCH MODEL OR SAMPLE WAS USED MERELY TO ILLUSTRATE THE GENERAL TYPE AND QUALITY OF THE PRODUCT AND NOT TO REPRESENT THAT THE PRODUCT WOULD NECESSARILY CONFORM TO THE MODEL OR SAMPLE IN ALL RESPECTS.

THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PARTS. GF SHALL NOT BE LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO: DAMAGES FOR LOSS OF PROFITS OR INCOME, LOSS OF USE, DOWNTIME, COVER, OR EMPLOYEE OR INDEPENDENT CONTRACTOR WAGES, PAYMENTS AND BENEFITS.

The warranties contained herein contain all the representations and warranties with respect to the subject matter of this document, and supersede all prior negotiations, agreements and understandings with respect thereto. The recipient of this document hereby acknowledges and represents that it has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance, except those set out in this document.

For additional information on this Hausted product or this warranty, please contact a GF Customer Service Representative.

## NOTES:

- 1) Additional terms and conditions may apply.
- 2) Freight claims must be notated on the appropriate shipping documents and must be made with immediacy. International, federal and state regulations govern specific requirements for freight claims. Failure to abide by those regulations may result in a denial of the freight claim. GF will assist you in filing the freight claim.
- 3) Claims for any short shipment must be made within three (3) days of the invoice date.

[www.hausted.com](http://www.hausted.com)  
[www.grahamfield.com](http://www.grahamfield.com)

## 8 DISPOSAL AND KEY TO SYMBOLS

### DISPOSAL

Follow local governing ordinances and recycling plans regarding disposal of the device or components normally used in operation. The device does not generate waste or residue in operation. Any accessories not part of the device **MUST** be handled in accordance with the individual product marking for disposal.














We recommend disassembling and dividing the equipment and components into different waste groups such as: metal, recoverable resource, and plastic for recycling or combustion.

Most plastic components are provided with a plastic types code and fiber content to aid sorting of plastic parts.

Product	Metal Scrap	Plastic Recycling or Combustion
462APAST	X	X
462CPAST	X	X
462DPAST	X	X
462EMCST	X	X
462FMCST	X	X
462GMCST	X	X
462HMCST	X	X
462EMPST	X	X

### KEY TO SYMBOLS

The following symbols are used on Hausted product labels.

	Protective Earth		Manufacturer
	Earth Ground		Keep Dry
	General Warning Sign		Fragile, Handle with Care
	CE Mark		Electrical and Electronic Equipment
	ETL		Consult Instructions for Use
	European Authorized Representative		Caution
			Pinch Point

[www.hausted.com](http://www.hausted.com)  
[www.grahamfield.com](http://www.grahamfield.com)

## 9 INDEX

### Symbols

- 3-Position vertical side rail, lowering 16
- 3-Position vertical side rail operation (youth stretcher) 16
- 3-Position vertical side rail, raising to full height 16
- 3-Position vertical side rail, raising to half height 16

### A

- Accessories, optional, list 20
- Advisory 4
- AirGlide rail, lowering 13
- AirGlide rail operation 13
- AirGlide rail, raising 13
- Armboard adapter and surgical bar, installing 14
- Armboard, removing 14
- A word from GF Health Products, Inc. 4

### B

- Backrest / knee flex, lowering 12
- Backrest / knee flex operation 12
- Backrest / knee flex, raising 12
- Backrest, lowering 11
- Backrest, raising 11
- Brakes, applying 8
- Brakes, releasing 8
- Braking and steering operation 8

### C

- CAUTION statement, significance 5
- Cleaning 19

### D

- DANGER / WARNING / CAUTION / NOTICE Summary 5
- Disposal 22

### E

- Environmental conditions 17

### F

- Fowler backrest operation 11

### I

- Indications for use 4
- Info statement, significance 5

### L

- Litter top height adjustment 10
- Lubrication 19

### M

- Manufacturer information 4

### N

- NOTICE statement, significance 5

### O

- Operating conditions 17
- Operating instructions 8

### R

- Retracto rail, half-height 15
- Retracto rail, lowering 15
- Retracto rail operation 15
- Retracto rail, raising 15

### S

- Safety statements, significance of 5
- Service information 4
- Specifications: Horizon series stretchers with AirGlide rails 17
- Specifications: Horizon Series stretchers with Retracto rails 18
- Specifications: Horizon series stretcher with 3-position vertical side rails 18
- Steering lock / fifth wheel, applying 9
- Storage and transport conditions 17
- Symbol key, Hausted product labels 22

### T

- Trendelenburg adjustment 10
- Trendelenburg, reverse, adjustment 10
- Troubleshooting guide 19

### U

- Uncrating instructions 7
- Unpacking instructions 7

### W

- WARNINGS and CAUTIONS, list 5
- WARNING statement, significance 5
- Warranty, limited 21
- Weight capacity, maximum 17

A Graham-Field® Family Brand

# Hausted®

[www.hausted.com](http://www.hausted.com)  
[www.grahamfield.com](http://www.grahamfield.com)



Proudly Made in the USA

Manufactured by:  
GF Health Products, Inc.  
Fond du Lac, WI 54937

1.770.368.4700

Information contained herein is subject to change.  
The most current and complete product information can be found on our website.

[www.grahamfield.com](http://www.grahamfield.com)

Follow us on   

© 2016, GF Health Products, Inc. All Rights Reserved.  
Hausted, Horizon, AirGlide, and Retracto are trademarks of GF Health Products, Inc.  
GF Health Products, Inc. is an ISO 13485 Certified Company.