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# MS3C-LHT Hydraulic Patient Stretcher Maintenance Manual

## Intended Use

This manual is designed to assist you with the operation of MS3C-LHT Patient Transport Stretcher. Carefully read this manual thoroughly before using the equipment or beginning maintenance on it. To ensure the safe operation of this equipment, it is recommended that methods and procedures be established for educating and training staff on the safe operation of this stretcher.

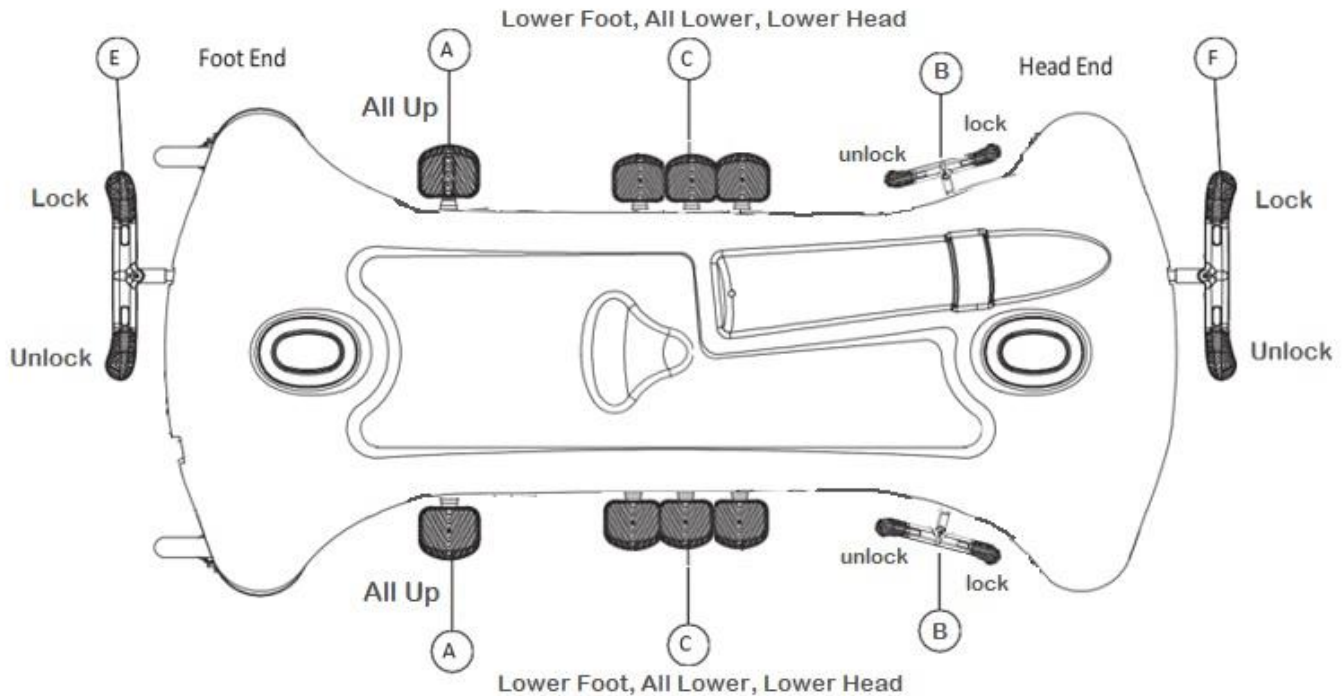


	Safe Working Load		
	<b>Note:</b> Safe Working Load indicates the sum of the patient, mattress, and accessory weight.	660 pounds	299 kilograms
Overall Stretcher Length \ Width		83" / 29.5"	211.65 cm / 74.93 cm
Minimum \ Maximum Bed Height		25" / 37"	63.5 cm / 93.98 cm
Fowler Angle		0° to 90°	
Trendelenburg \ Reverse Trendelenburg		+18° to -18°	

## Safety Precautions

- Always apply the caster brakes when a patient is getting on or off the stretcher.
- Push on the stretcher to ensure the brakes are securely locked.
- Always engage the brakes unless the stretcher is being moved. Injury could result if the stretcher moves while a patient is getting on or off the stretcher.
- Be sure the siderail latching mechanism is working properly at all times.
- When lowering the siderail to the collapsed position, keep extremities of patients and staff away from the siderail spindles or injury could occur.
- Keep fingers/hands clear of area around the Fowler release handle and the Fowler frame when lowering. Injury could result if care is not taken when lowering the Fowler.

## Operating Base Controls - Side Controls

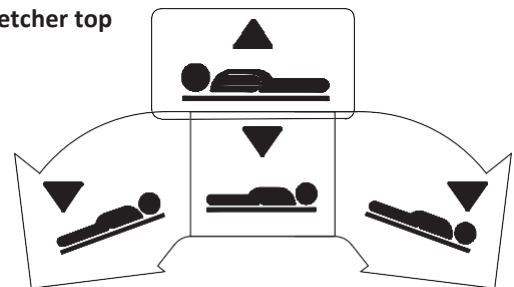


Pump pedal (A) at the foot end or sides of the stretcher to raise the stretcher top

Depress side of pedal (C) side of pedal closest to the head end of the stretcher to lower the head end of the stretcher.

Depress side of pedal (C) closest to the head end of the stretcher to lower the foot end of the stretcher.

Depress in the center of pedal (C) to lower both ends of the stretcher together.



Pedal (E) - Brake and Steer functions.



Pedal (F) - Brake and Steer functions.



Pedal (B) - Lock and unlock 5<sup>th</sup> wheel for steering.



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### **Raising and Lowering Height**

- To raise the stretcher top, pump pedal (A) repeatedly until the desired height is achieved
- To lower both ends of the top simultaneously, depress pedal (C) together using the same foot in the center of pedal
- To lower only the head end of the litter, depress pedal (C) the side closest to the head end of the stretcher.
- To lower only the foot end of the stretcher, depress pedal (C) the side closest to the foot end of the stretcher.

### **Trendelenburg / Reverse Trendelenburg - Side Control**

- Stretcher top height must be raised first in order to achieve a Trendelenburg or reverse Trendelenburg position
- For Trendelenburg positioning (head down), depress pedal (C) side of closest to the head end of the stretcher (see illustration on Operating Base Controls - Side Control section).
- For reverse Trendelenburg positioning (foot down), depress pedal (C) or the side closest to the foot end of the stretcher.

### **Operating the Fifth Wheel**

- The purpose of the Fifth Wheel is to help guide the stretcher along a straight line during transport and to help pivot the stretcher around corners.
- To engage the fifth wheel, push the proper side of the brake/steer pedal to the full down position.
- To engage siderails: Pull up siderail and raise to full up position so that latch engages.
- To disengage siderails: Pull up on latch and guide siderail to the full down position.
- When lowering the siderail to the collapsed position, keep extremities of patients and staff away from the siderail spindles or injury could occur.
- To avoid injury or damage to the equipment, do not allow the siderail to lower on its own.

### **Using the Push Handles**

- The push handles were designed for use while transporting the stretcher. Avoid using other parts of the stretcher as push/pull devices because damage could occur.
- To use the push handles: Lift up and pivot the handles up. Push down until they are locked into position.
- To store the push handles: Lift the handles up and pivot them down to store in the handle rests.

### **Operating the Fowler**

- Press down on foot pedal (A) for pneumatic assistance in lifting the stretcher top to the desired height. Remove the foot from pedal when the desired height is achieved.
- To lower the stretcher top, press down on middle part of foot pedal (C) and hold until the bed has reached the desired height. Remove your foot from pedal (C) when the desired height is achieved.



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### Caution

- To avoid damage, remove any equipment that may be in the way before raising or lowering the top. To avoid injury or damage to the equipment, do not allow the siderail to lower on its own.
- The push handles were designed for use while transporting the stretcher. Avoid using other parts of the stretcher as push/pull devices because damage could occur.
- To avoid damage, the weight of the I.V. bags should not exceed 40 pounds (18 kg).
- To avoid damage while transporting the stretcher, verify the I.V. pole is at a low enough height to allow it to safely pass through door openings and under light fixtures.
- The hood may not be used for stepping.

### Preventative Maintenance Checklist:

Preventative maintenance should be performed at a minimum of annually. A preventative maintenance program should be established for all medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product.

- All fasteners secure.
- Siderails move and latch properly.
- Engage the brake pedal and push on the stretcher to ensure all casters lock securely. All casters secure and swiveling properly.
- Body restraints working properly.
- I.V. pole intact and operating properly.
- Oxygen bottle holder intact and operating properly. Fowler operates and latches properly.
- Trendelenburg/Reverse Trendelenburg operating properly. No rips or cracks in mattress cover.
- Ground chain intact.
- No leaks at hydraulic connections. Hydraulic jacks holding properly. Hydraulic drop rate set properly.
- Accessories and mounting hardware in good condition and working properly.

**Cleaning:** Hand wash all surfaces of the stretcher with warm water and mild detergent. dry thoroughly. Do not steam clean, pressure wash, hose off or ultrasonically clean the stretcher. Using these methods of cleaning is not recommended and may void this product's warranty.

### Suggested cleaners for stretcher surfaces:

- Quaternary Cleaners (active ingredient - ammonium chloride).
- Phenolic Cleaners (active ingredient - o-phenylphenol).
- Chlorinated Bleach Solution (5.25% - less than 1 part bleach to 100 parts water).

Avoid oversaturation and ensure the product does not stay wet longer than the chemical manufacturer's guidelines for proper disinfecting.