Baxter

Hillrom

TRANSPORT, PROCEDURAL AND SPECIALTY STRETCHERS

Instructions for Use

Product Number P8000, P8005
P8010, P8020 P8040, P8050
144385 REV 9

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***Authorized European Union Representative and EU Importer:** Applicable to all stretchers manufactured and brought to market (sold) in the EU specifically the P8000 without the **IntelliDrive** Transport System, P8005, and P8040.

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Notice to Users and/or Patients in EU—Any serious incident that has occurred in relation to this device, should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

This manual (144385) was originally released and supplied in English. For a list of available translations, contact Hill-Rom Technical Support.

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Ninth Edition, 2023-03

First Printing, 2007

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For product support or to order additional copies of this manual (144385), contact your distributor, local Hill-Rom representative, or go to hillrom.com.

Reference Documents

Hillrom Transport, Procedural, and Specialty Stretchers Service Manual (144386)

Hillrom Transport, Procedural, and Specialty Stretchers Unpacking Instructions (145624)

Table of Contents

NOTES:

INTENDED USE

The Hillrom Transport, Procedural, and Specialty Stretchers are intended for caregivers to use for the treatment and transportation of patients in the indoor areas of the hospital, surgical centers, and other patient care facilities. The Hillrom Transport, Procedural, and Specialty Stretchers are intended for indoor use only. Outdoor use may cause temporary or permanent damage to the stretcher. There are no known contraindications for these stretchers when used in accordance with this Instruction for Use.

INTRODUCTION

The intended users of these stretchers are professional healthcare employees who have the physical strength and cognitive skills to operate and control the stretcher. Follow facility safety protocols if a patient does not have the physical strength or cognitive skills to operate user controls on the stretcher.

This manual contains instructions for normal operation of the Hillrom Transport, Procedural, and Specialty Stretchers. Before you operate a stretcher, make sure you read and understand in detail the contents of this manual. It is very important that you read and follow the safety instructions in this manual. Any reference to a side of the stretcher is from the patient's view lying on the stretcher on his or her back.

Some configurations of the Hillrom Transport, Procedural, and Specialty Stretchers may be equipped with an integral scale intended to weigh the patient on the stretcher.

SYMBOLS

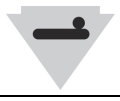
This manual contains different typefaces and symbols to make the content easier to read and understand.

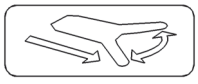
- Standard text—used for regular data.
- **Boldface text**—emphasizes a word, phrase, or trademark.
- **NOTE:**—sets apart special data or important instruction clarification.
- CONTRAINDICATION, WARNING, or CAUTION

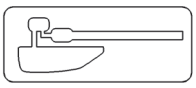
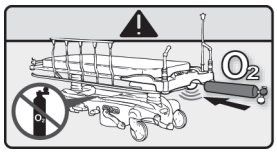
  - A CONTRAINDICATION identifies situations or actions that may have an effect on patient safety.
  - A WARNING identifies situations or actions that may have an effect on patient or user safety. To ignore a warning could cause patient or user injury.
  - A CAUTION identifies special procedures or precautions that persons must obey to help prevent equipment damage.

PRODUCT SYMBOLS

Symbol	Description
	Type B applied part according to IEC 60601-1
IPX4	According to IEC 60529, Rating for protection against fluid ingress and identified as equipment that is protected against spraying and splashing water. (P8000, P8005, and P8040 with scale, P8000 with the **IntelliDrive** Transport System, P8020 with or without scale)
IPX0	Ordinary Equipment: Not rated for fluid ingress per IEC 60529. This applies to the OB/GYN exam light control box **only**.
	General CAUTION symbol in accordance with IEC 60601-1. (This symbol is black with a white background.) Note: On G model and older stretchers, this symbol indicates "CAUTION: Consult accompanying documents".
	General WARNING symbol in accordance with IEC 60601-1. (This symbol is black with a yellow background. The yellow background indicates a **warning**.) (H model and newer stretchers)
	Follow the Operating Instructions symbol in accordance with IEC 60601-1. (This symbol is black with a white background.) (H model and newer stretchers)
	Catalog number
	Serial number
	Manufacturer
	Date of manufacture
	Medical Electrical Equipment Classified by Underwriters Laboratories Inc. with respect to Electric Shock, Fire, and Mechanical Hazards only in accordance with IEC/EN 60601-1 and CAN/CSA C22.2 No. 60601-1. (E351608 may be 4PR9 on some stretchers.)
	Medical Electrical Equipment Classified By Underwriters Laboratories Inc. with respect to Electric Shock, Fire, and Mechanical Hazards only in accordance with UL 60601-1 and CAN/CSA C22.2 No. 601.1.

Symbol	Description
ETL CLASSIFIED C ETL US LISTED Intertek 3186598	Medical Electrical Equipment Conforms to UL Std. 60601-1, IEC 60601-1-4, and Certified to CAN/CSA Std. C22.2 NO. 601.1. (P8000 with the **IntelliDrive** Transport System only—the **IntelliDrive** Transport System was discontinued in 2017)
CE	Conforms to European requirements for class I medical devices in accordance with: • Directive 93/42/EEC until May 25, 2021 • Regulation (EU) 2017/745 regulation by May 26, 2021 The CE mark was first applied to all stretchers in 1996. After June 1, 2012, the mark is only applicable to the P8000 without the **IntelliDrive** Transport System, P8005, and P8040.
MD	Medical Device
	Equipotential
	Alternating current
	Protective earth (ground)
	Safe Working Load—shows the safe working load of the stretcher.
	Ready for Transport symbol from IEC/TR 60878:2003 (Symbol # 5661)—Refer to "Transport Position and Stability" on page 54 for applicable warnings. (G model and older stretchers)
	Ready for Transport symbol in accordance with IEC/TR 60878:2003 (Symbol # 5661)—Refer to "Transport Position and Stability" on page 52 for applicable warnings. (H model and newer stretchers)
CPR	CPR control—engages the CPR function. (P8020 only)
	X-ray lift control—shows the location of the x-ray lift control and the direction necessary to raise the x-ray cassette tray. (P8040 only)
	Stretcher down control—shows which way the stretcher will move when you press the pedal.

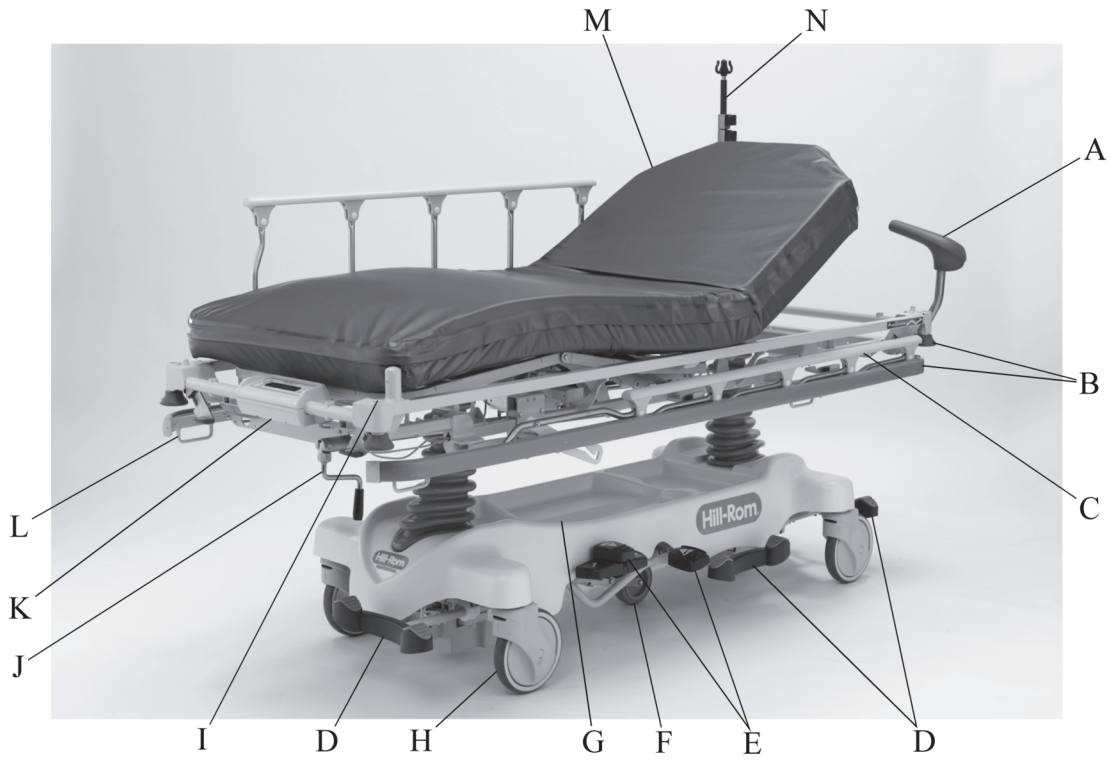
Symbol	Description
	Stretcher up control—shows which way the stretcher will move when you press the pedal.
	Trendelenburg control—puts the stretcher in the Trendelenburg position.
	Reverse Trendelenburg control—puts the stretcher in the Reverse Trendelenburg position.
	Siderail latch release—lowers the siderail. Footboard release control—releases the footboard.
	Crank control—raises and lowers the head or knee section.
	Knee Up and Down control—adjusts the knee section up or down. (P8020 only)
	Head Up and Down control—adjusts the head section up or down. (P8020 only)
	Armboard release. (P8010 only)
	Push handle release—lowers the push handles to the stored position.
	Side foot support adjustment. (P8050 only)
	Keep hands away. (P8040 only)
	Ankle restraint—shows the location for ankle restraints.
	Foot support pivot adjustment (P8050 only)

Symbol	Description
	Calf support (P8050 only)
	Scale, Weigh Patient control—weighs the patient.
	Scale, Last Weight control—shows the last weight taken.
	Enable control—enables the Zero control on stretchers with scale.
	Scale, Zero control—sets the scale to zero.
	Scale, Battery Low indicator—is on when it is necessary to replace the batteries.
	Scale, Hands Off indicator—is on when the scale takes a weight.
	Stretchers with electrical features are not suitable for use in oxygen-enriched environments or where there is a flammable anesthetics mixture with air, oxygen, or nitrous oxide.
	Do not spray wash. (P8000 with the **IntelliDrive** Transport System and P8020 only)
	Do not install an IV pole in this location. (P8000 with the **IntelliDrive** Transport System only)
	**IntelliDrive** Transport System indicators: Service—flashes when the it is time to replace the drive chains. Battery Charge Level—shows the amount of battery charge. Ready—is on when the stretcher is in Steer mode and there is more than 0% charge in the battery (P8000 with the **IntelliDrive** Transport System only)
	Do not stow an oxygen tank in the base shroud; stow the oxygen tank in the integrated oxygen tank holder. (P8000 with the **IntelliDrive** Transport System only)

Symbol	Description
	Identifies the location to stow an oxygen tank on stretchers with the integrated oxygen tank holder.
	Failure to Follow the Operating Instructions Could Put the Patient or Operator at Risk symbol in accordance with IEC 60601-1. (This symbol is white with a blue background. The blue background indicates a mandatory action.) (Later H model and newer stretchers)
	Voltage warning

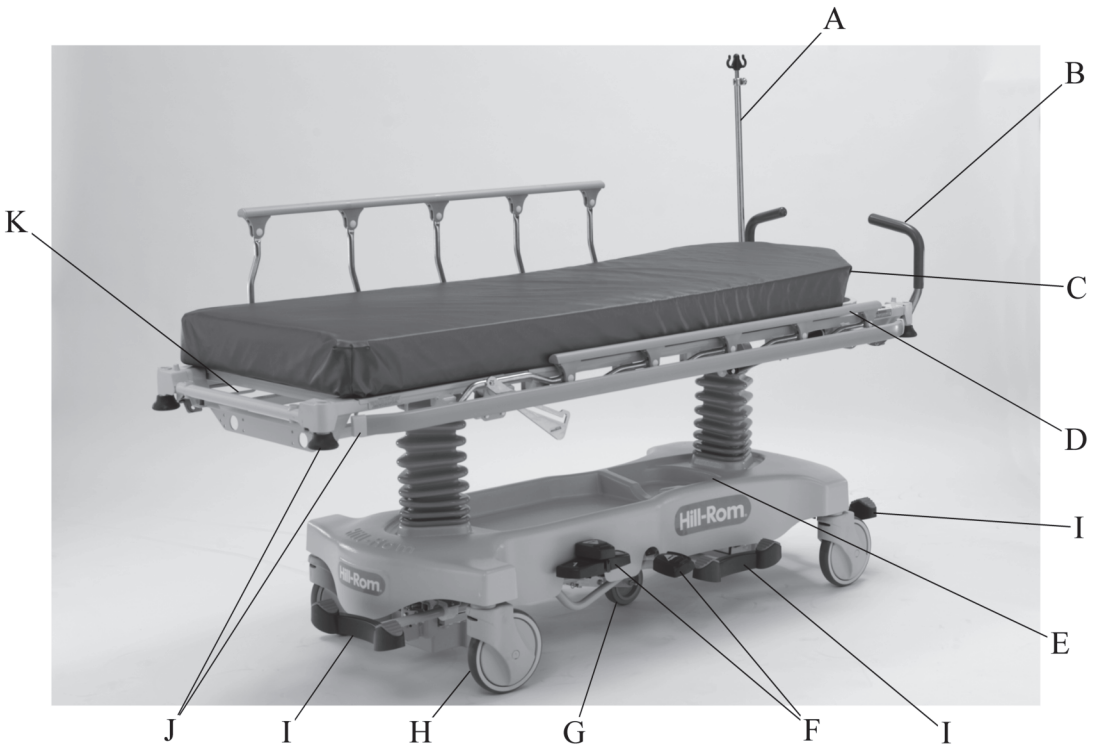
QUICK VIEW LIST OF FEATURES AND CONTROLS

PROCEDURAL (P8000) STRETCHER



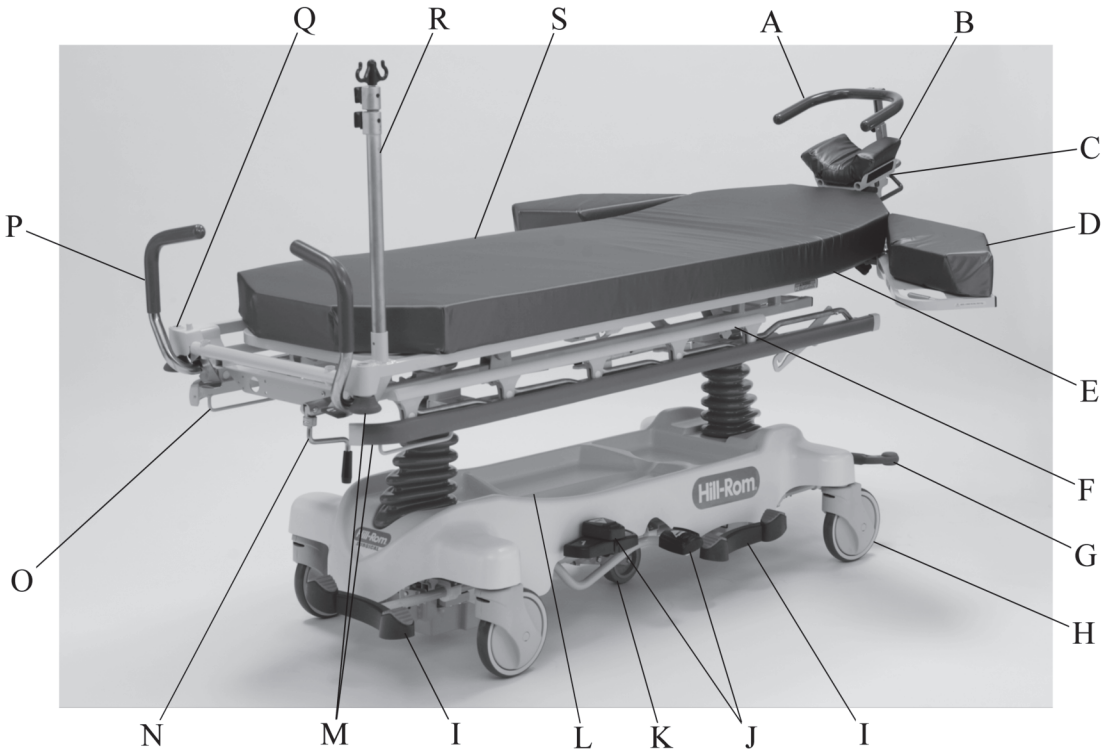
Item	Description	Item	Description
A	Push handle with integrated IV transport (optional)	I	IV pole socket
B	Bumper system	J	Knee section articulation crank (optional)
C	TuckAway **OneStep** Siderails	K	Scale (optional)
D	Brake and steer pedals (side pedals are optional)	L	Drainage bag holder (one at each corner)
E	Hilow and Trendelendburg/Reverse Trendelenburg control pedals	M	3" (76 mm) mattress (4" (102 mm) and 5" (127 mm) are optional)
F	Steering Plus Steering System or **IntelliDrive** Transport System (Discontinued in 2017)	N	Permanent IV pole (optional)
G	Oxygen tank holder and patient item storage		Integrated oxygen tank storage system (not shown; optional for F and newer models built after June 2008)
H	8" (203 mm) urethane carpet casters		

TRANSPORT (P8005) STRETCHER



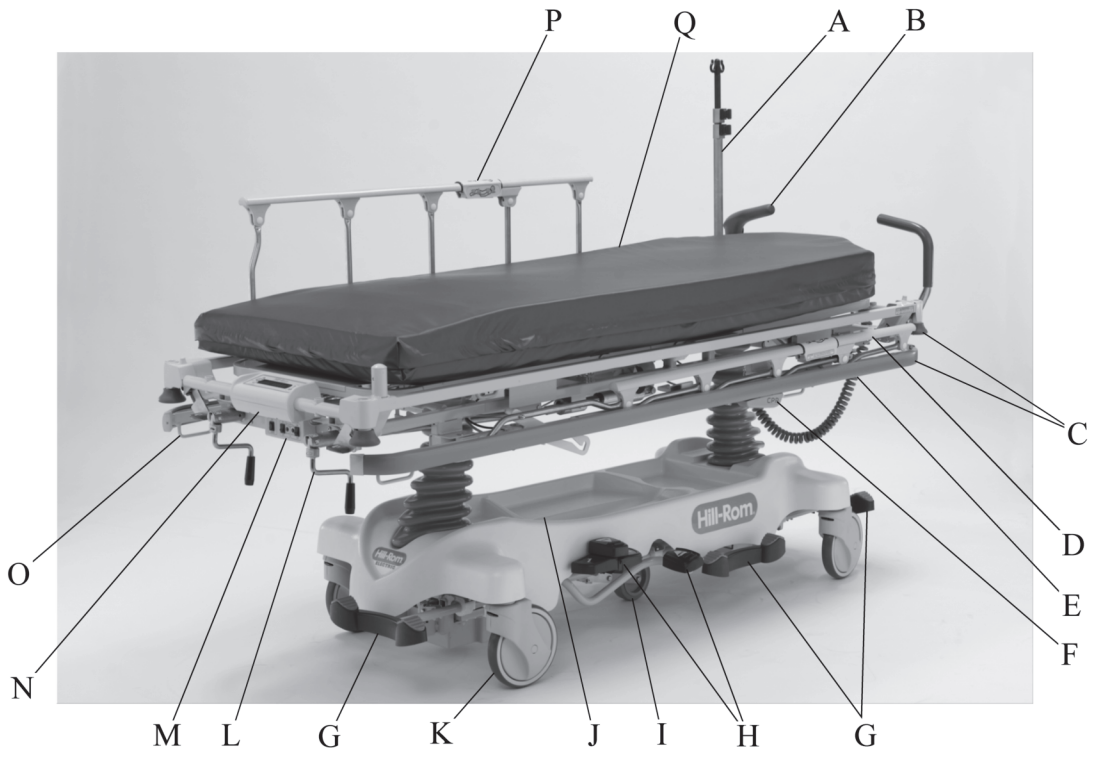
Item	Description	Item	Description
A	Permanent IV pole (optional)	G	Steering Plus Steering System (optional)
B	Push handles (optional)	H	8" (203 mm) urethane carpet casters
C	3" (76 mm) mattress (4" (102 mm) and 5" (127 mm) are optional)	I	Brake and steer pedal (side pedals are optional)
D	Fold down siderails	J	Bumper system
E	Oxygen tank holder and patient item storage	K	Drainage bag holder (foot end only, one on each side)
F	Hilow and Trendelendburg/Reverse Trendelenburg control pedals		Integrated oxygen tank storage system (not shown; optional for F and newer models built after June 2008)

SURGICAL (P8010) STRETCHER



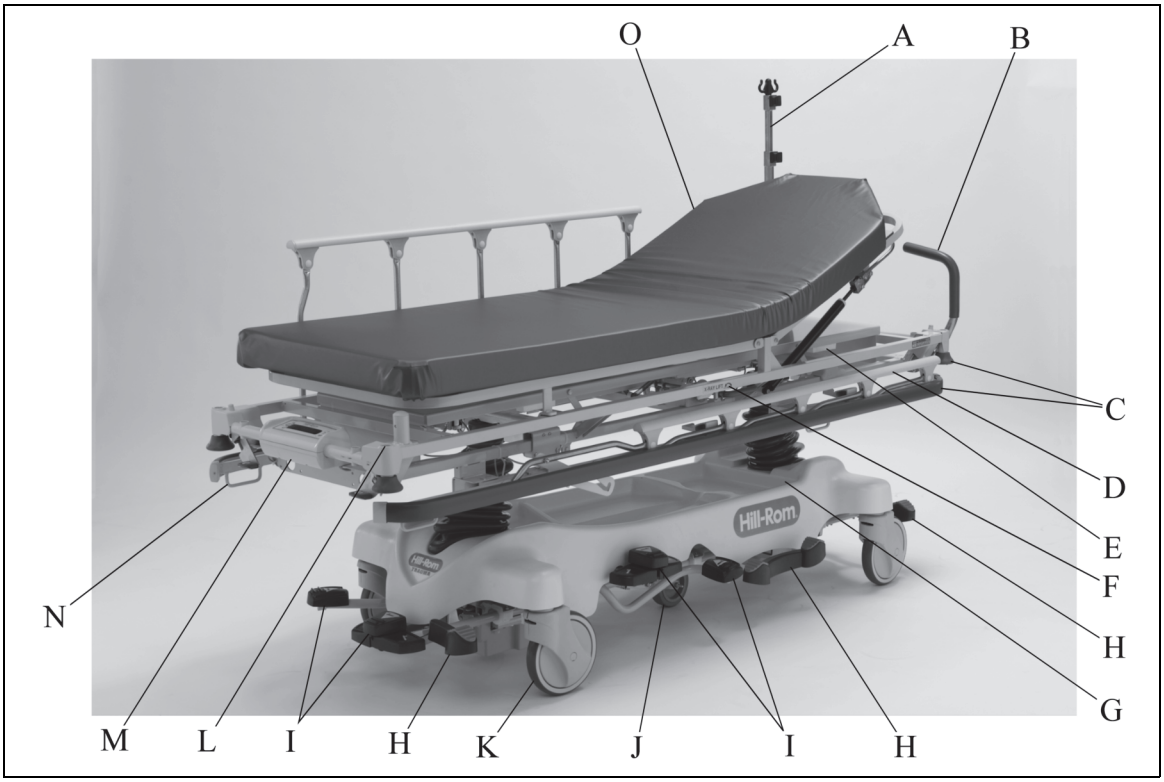
Item	Description	Item	Description
A	Wrist rest (optional)	K	Steering Plus Steering System
B	Head cushion	L	Oxygen tank holder and patient item storage
C	Articulation head section with integrated transport handles	M	Bumper system
D	PACU extenders/armboards (optional)	N	Knee section articulation crank (optional)
E	Surgical rail (both sides)	O	Drainage bag mount (one at each corner)
F	TuckAway **OneStep** Siderails	P	Push handles (optional)
G	Flip over head-end brake/steer pedal	Q	IV pole sockets
H	8" (203 mm) urethane carpet casters	R	Permanent IV pole (optional)
I	Brake and steer pedals (side pedals are optional)	S	4" (102 mm) mattress
J	Hilow and Trendelenburg/Reverse Trendelenburg pedals		

ELECTRIC (P8020) STRETCHER



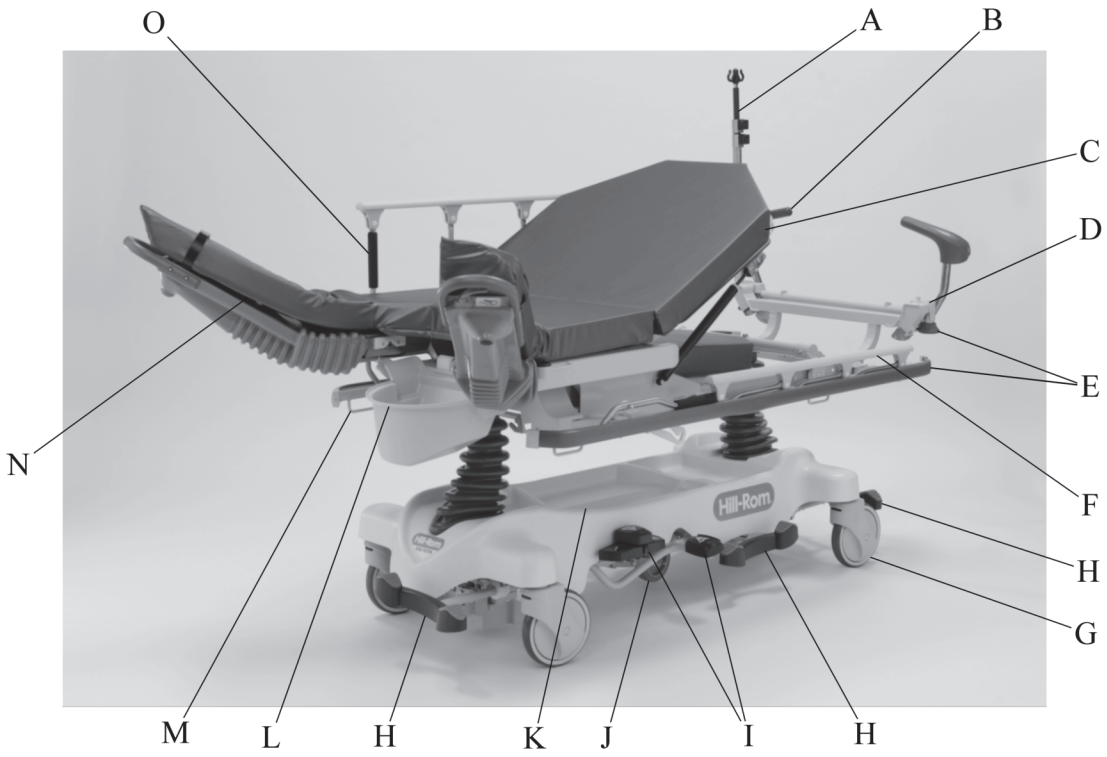
Item	Description	Item	Description
A	Permanent IV pole (optional)	J	Oxygen tank holder and patient item storage
B	IV transport and push handles (optional)	K	8" (203 mm) urethane carpet casters
C	Bumper system	L	Manual controls
D	TuckAway **OneStep** Siderails	M	Caregiver control panel (foot end only)
E	Power cord storage	N	Scale (optional)
F	Emergency CPR handles	O	Drainage bag holder (one at each corner)
G	Brake and steer pedals (side pedals are optional)	P	Patient position controls
H	Hilow and Trendelendburg/Reverse Trendelenburg control pedals	Q	4" (102 mm) mattress (5" (127 mm) is optional)
I	Steering Plus Steering System		

TRAUMA (P8040) STRETCHER



Item	Description	Item	Description
A	Permanent IV pole (optional)	I	Hilow and Trendelendburg/Reverse Trendelenburg control pedals (foot end is optional)
B	Push handles (optional)	J	Steering Plus Steering System
C	Bumper system	K	8" (203 mm) urethane carpet casters
D	TuckAway **OneStep** Siderails	L	IV pole socket (one at each corner)
E	Head to foot x-ray cassette platform	M	Scale
F	X-ray lift actuation lever	N	Drainage bag holder (one at each corner)
G	Oxygen tank holder and patient item storage	O	3" (76 mm) mattress (4" (102 mm) and 5" (127 mm) are optional)
H	Brake and steer pedal (side pedals are optional)		

OB/GYN (P8050) STRETCHER



Item	Description	Item	Description
A	Permanent IV pole (optional)	I	Hilow and Trendelendburg/Reverse Trendelenburg control pedals
B	IV transport and push handles (optional)	J	Steering Plus Steering System
C	3" (76 mm) mattress	K	Oxygen tank holder and patient item storage
D	IV pole socket (head end only)	L	Integrated catch basin (optional)
E	Bumper system	M	Drainage bag holder (one at each corner)
F	TuckAway **OneStep** Siderails	N	Integrated foot supports
G	8" (203 mm) urethane carpet casters	O	Patient grip handles
H	Brake and steer pedals (side pedals are optional)		

STANDARD FEATURES

BRAKE AND STEER CONTROLS

WARNING:

Warning—Always set the brakes when the stretcher is occupied, except during transport. Make sure the brakes are set before any patient transfer. Failure to do so may cause personal injury or equipment damage.

The brake and steer pedals are at the head and foot ends of the stretcher. As an option, additional brake and steer pedals on the sides of the stretcher are available. There are three positions:

- **Brake**—to prevent the unit from moving, step down on the **orange** brake pedal until it is in the full downward position.
- **Neutral**—to move the unit in any direction, move the pedal to the **level** position. The neutral position helps with sideway movements in a room or a small enclosed area, or to align the unit with another surface.
- **Steer**—to move the unit in a straight line and guide it through hallways, step down on the **green** steer pedal until it is in the full downward position.

TO ACTIVATE

Brake (orange pedal)
Step down on the orange brake pedal until it stops.

Neutral
Move the brake or steer pedal to the level position.

Steer (green pedal)
Step down on the green steer pedal until it stops.

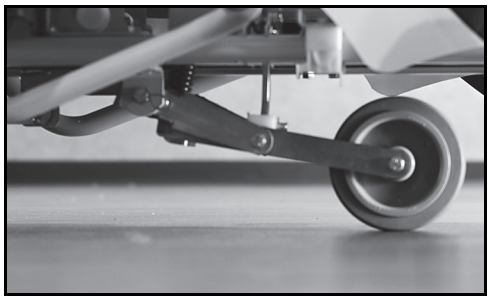
There are two additional steer systems available on this stretcher: Steering Plus and **IntelliDrive** Transport System.

- **P8005 without the** Steering Plus Steering System—the left foot-end caster locks.
- **Stretchers with the** Steering Plus Steering System**—**the Steering Plus Steering System engages. Refer to "Steering Plus Steering System" on page 14.
- **P8000 with the IntelliDrive Transport System (Discontinued in 2017)**—all four casters on the stretcher go into the neutral position. This lets the stretcher turn on the drive wheel of the transport system. Refer to"IntelliDrive Transport System—No Longer Available" on page 27.

NOTE:

The stretcher casters help protect against electrostatic discharge.

Steering Plus Steering System



The Steering Plus Steering System is standard on the Procedural (P8000), Surgical (P8010), Electric (P8020), Trauma (P8040), and OB/GYN (P8050) Stretchers.

The Steering Plus Steering System is an option on the Transport (P8005) Stretcher.

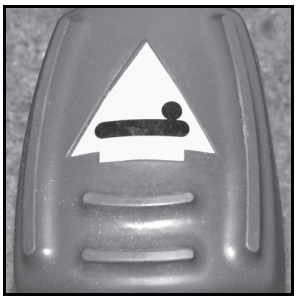
The Steering Plus Steering System has a center caster that engages when you press the Brake and Steer pedals.

Neutral—the center caster lifts off the floor.

Steer—the center caster lowers to the floor for maximum steering control.

Brake—the center caster lifts for 3.5" (89 mm) of clearance under the stretcher.

Hilow with Pressure-Compensated Flow



WARNING:

Warning—It is recommended that the stretcher be in the low position with the brake set when the patient is unattended. Failure to do so could cause personal injury.

The hilow foot pedals on each side of the stretcher are used to raise and lower the stretcher.

Raise—press the **Hilow Up** pedal and pump it until the stretcher is at the applicable height.

CAUTION:

Caution—Use caution when you lower the stretcher. Make sure items in the base shroud storage compartment do not get in the way of the upper frame or siderail mounting brackets. Equipment damage could occur.

Lower—press the **Hilow Down** pedal until the stretcher is at the applicable height.

Pressure-Compensated Flow

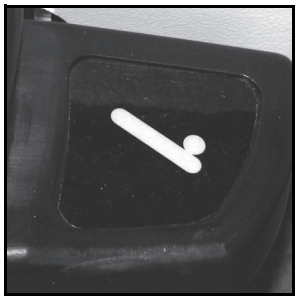
Pressure-compensated flow lets the stretcher lower evenly when there is an uneven load distribution.

TRENDELENBURG AND REVERSE TRENDELENBURG POSITIONS

WARNING:

Warning—When you change the stretcher's position, make sure hands, feet, and equipment are away from the stretcher's frame assemblies. Failure to do so could cause personal injury or equipment damage.

The Trendelenburg and Reverse Trendelenburg pedals are on each side of the stretcher. The minimum angle for Trendelenburg and Reverse Trendelenburg is 12°.



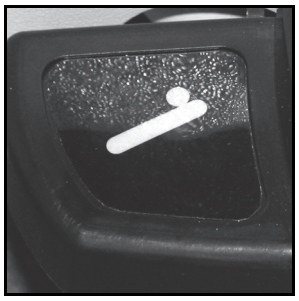
Trendelenburg

1. Make sure the stretcher is in its highest position, see"Hilow with Pressure-Compensated Flow" on page 14.
2. Press and hold the **Trendelenburg** pedal until the foot end of the stretcher raises relative to the head-end to the desired angle.

NOTE:

If the pump fails, lift the foot end of the stretcher. The stretcher will automatically lock in the Trendelenburg position.

Reverse Trendelenburg



1. Make sure the stretcher is in its highest position. See "Hilow with Pressure-Compensated Flow" on page 14.
2. Press and hold the **Reverse Trendelenburg** pedal until the head end of the stretcher raises relative to the foot-end desired angle.

Level

- Lower the stretcher to its lowest position. The sleep deck will level automatically.
  or
- If the stretcher is in the Trendelenburg position, press the **Reverse Trendelenburg** pedal until the stretcher is level.
  or
- If the stretcher is in the Reverse Trendelenburg position, press the **Trendelenburg** pedal until the stretcher is level.

Emergency Trendelenburg—pull up on the foot end of the stretcher. The stretcher will lock in the Trendelenburg position.

HEAD SECTION

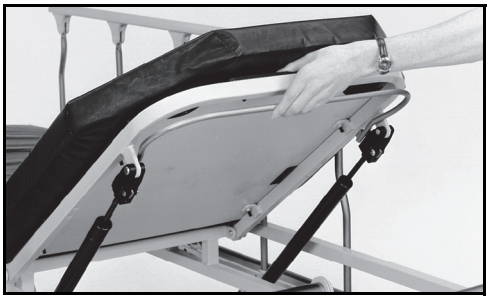
WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Stretcher positions that cause the patient's torso to be at an angle less than 90° to the legs could reduce circulatory efficiency in the lower extremities. Such positions are **not** recommended for extended periods of time and should be monitored under medical supervision.
- **Warning—**Make sure to fully control the lift mechanism when there is little or no weight on it.
- **Warning**—Stay clear of moving parts during head articulation.
- **Warning**—When you articulate the head section, make sure that objects and devices are away from the head articulating section.

Raise

1. Squeeze the bar under the head section as you lift up on the head section.
2. When the head section is at the applicable position, release the bar. The head section will lock into position.



Lower

1. Squeeze the bar under the head section as you push down on the head section.
2. When the head section is at the applicable position, release the bar. The head section will lock into position.

SIDERAIL POSITIONS

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Evaluate patients for entrapment risk according to facility protocol, and monitor patients appropriately. Make sure all siderails are fully latched when in the raised position. Failure to do either of these could cause serious injury or death.

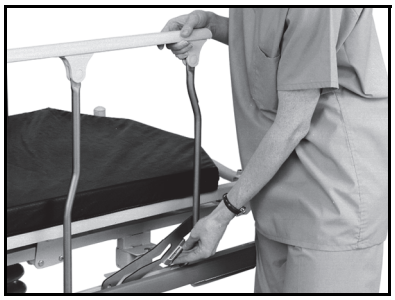
NOTE:

Siderails are intended to be a reminder to the patient of the stretcher's edges, not a patient-restraining device. When appropriate, Hill-Rom recommends that medical persons determine the correct methods necessary to make sure a patient remains safely on a stretcher.

- **Warning**—Stay clear of moving parts during siderail operation.
- **Warning**—When you raise or lower a siderail, make sure that the area around the siderail is free of objects and devices.

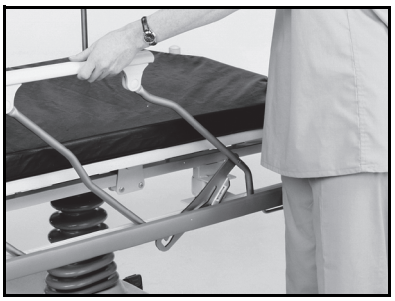
Raise

1. Hold the top of the siderail, and pull it out from underneath the sleep deck.
2. Pull the siderail up until it latches into position.
3. To make sure the siderail is fully latched, try to rotate the siderail down.



Lower

1. Pull up on the siderail release lever.
2. Hold the top of the siderail.
3. Rotate the siderail all the way down as you release the siderail release lever.

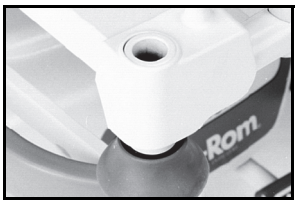


Store

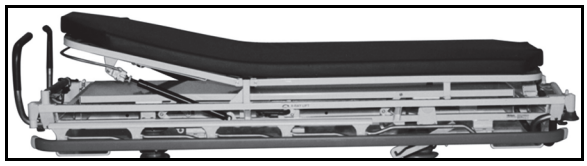
1. Completely lower the siderail.
2. Push the siderail toward the sleep deck until the siderail stops.

IV Pole Mounting Sockets

An IV pole mounting socket is at each outside corner of the Procedural (P8000), Transport (P8005), Electric (P8020), and Trauma (P8040) Stretchers. The Surgical (P8010) Stretcher has a socket at each corner of the foot end. The OB/GYN (P8050) Stretcher has a socket at each corner of the head end.



Mattresses



WARNING:

Warning—Use of a mattress that does not meet Hill-Rom specifications could reduce the effectiveness of the stretcher's safety features and systems. Injury or equipment damage could occur.

A 3" (76 mm) mattress is standard on the Procedural (P8000), Transport (P8005), Trauma (P8040), and OB/GYN (P8050) Stretchers. The mattress has a fully radiolucent cover. A 4" (102 mm) mattress is standard on the Surgical (P8010) and Electric (P8020) Stretchers.

These mattresses are available as options for the models shown:

- 4" (102 mm) mattress—P8000, P8005, and P8040 Stretchers
- 5" (127 mm) **Comfortline** Mattress—P8000, P8005, P8020, and P8040 Stretchers
- 5" (127 mm) **AccuMax Quantum** Stretcher Pad (Narrow 26")—P8000, P8005, and P8040 Stretchers
- 5" (127 mm) **AccuMax Quantum** Stretcher Pad (Wide 30")—P8000 and P8005 Stretcher.

NOTE:

For the latest list of approved mattress and frame compatibility, contact your local Hill-Rom representative or Hill-Rom service.

Drainage Bag Mount

WARNING:

Warning—Do not exceed the load capacity of the drainage bag mount. If the drainage bag mount is overloaded, personal injury or equipment damage may occur.

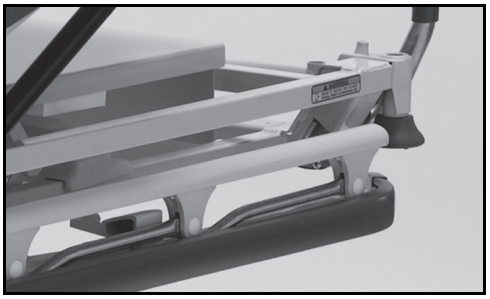
The safe working load of the drainage bag mount is 5.5 lb (2.5 kg).

Transport (P8005) and Surgical (P8010) Stretchers—have two drainage bag mounts: one on each side, at the foot end of the stretcher.

Procedural (P8000), Electric (P8020), Trauma (P8040), and OB/GYN (P8050) Stretchers—have four drainage bag mounts: two on each side, at each end of the stretcher.

Bumper System

A reinforced bumper along the sides of the stretcher protects walls when the siderails are raised or stored. Four disc-shaped roller bumpers at each corner of the stretcher give additional wall protection.



Base Shroud Storage Compartment

CAUTION:

To help prevent equipment damage, obey these **cautions**:

- **Caution**—Do not stow an oxygen tank in the recess at the head end of the base shroud.
- **Caution**—Make sure items in the base shroud storage compartment do not get in the way of the upper frame or siderail mounting brackets when you lower the stretcher.

Stretchers without the IntelliDrive Transport System

A storage compartment is in the base shroud. There are recesses that can hold oxygen tanks of various sizes and other lightweight accessories. Do not use these recesses to store heavy objects.

Procedural (P8000) Stretcher with the IntelliDrive Transport System

A storage compartment is in the base shroud. There is a recess that can hold lightweight accessories. Do not use this recess to store oxygen tanks or heavy objects.

Transport Strap Holders

WARNING:

Warning—Failure to use transport straps that are compatible with the stretcher could cause personal injury or equipment damage.

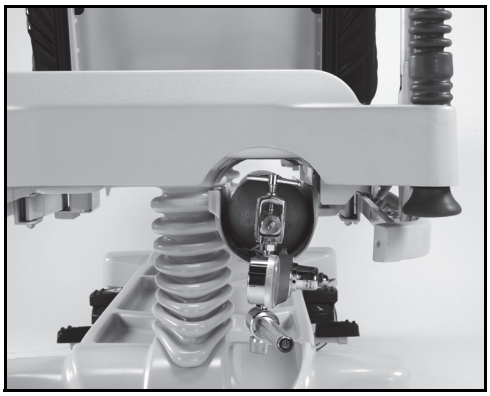
Transport straps can be attached at the head, thigh, and foot sections. The transport strap holders are part of the sleep deck and accept most transport strap designs.

OPTIONAL FEATURES

Integrated Oxygen Tank Storage System (M03438/39)

WARNING:

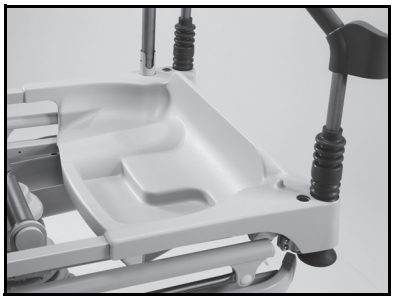
To help prevent injury and/or equipment damage, obey these **warnings**:



- **Warning**—Follow facility protocols when you use oxygen equipment and supplies.
- **Warning**—Do not lift or pull the oxygen tank by the regulator.
- **Warning**—Do not use an oxygen tank that has a regulator that extends past the bumpers on the stretcher.
- **Warning**—Do not use a humidifier with an oxygen tank in the horizontal position.
- **Warning**—Do not exceed the load capacity of the integrated oxygen tank storage system. The safe working load of the integrated oxygen tank storage system is 30 lb (14 kg).

Hill-Rom recommends the removal of the oxygen tank from the storage system when the tank is not in use. The integrated oxygen tank storage system is available on the Procedural (P8000) and Transport (P8005) Stretchers only. The integrated oxygen tank storage system is intended to hold a D- or E-size tank only.

Utility Tray (150767/8)

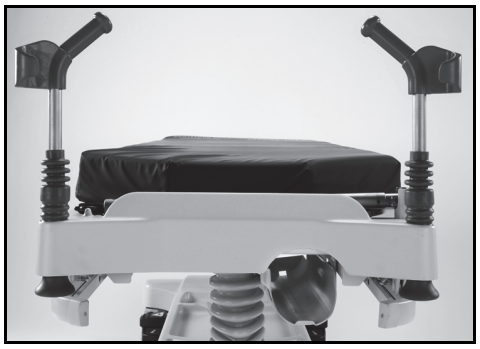


WARNING:

Warning—Do not exceed the load capacity of the utility tray. If the utility tray is overloaded, injury or equipment damage may occur.

The safe working load of the utility tray is 45 lb (20 kg).

Stow-Away Push Handles (available with or without integrated IV transport handles)



WARNING:

Warning—When you transport the stretcher on a ramp, keep a hand on each push/transport handle to help maintain control of the stretcher. Failure to do so could cause injury or equipment damage.

Remove from the Stored Position

1. Pull the handles up into the vertical position.
2. Push down on the handles until they lock in position.

Store

1. Lift the handles upward to unlock them.
2. Push the handles inward toward the center of the stretcher.

Active Brake System—No Longer Available

The Active Brake System is not available on the Transport (P8005) or Surgical (P8010) Stretchers or the Procedural (P8000) with the **IntelliDrive** Transport System.

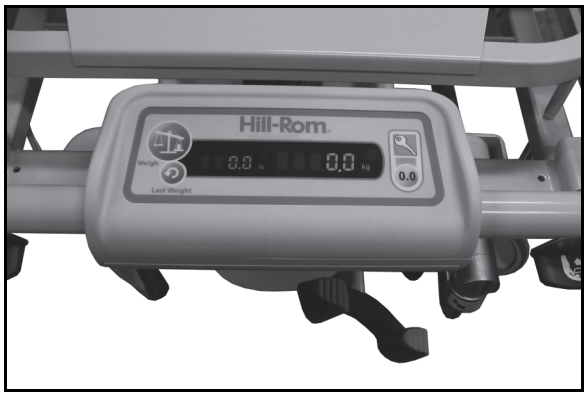
The Active Brake System lets the caregiver control the speed of the stretcher. The control for the Active Brake System is at the head end of the stretcher.

Engage

1. Make sure the Brake and Steer pedal is in either the neutral or steer position.
2. As you push the stretcher, squeeze the lever on the **Active Brake System** control. The more pressure that is applied, the greater the brake force.

Disengage—let go of the lever.

SCALE



WARNING:

Warning—Stretchers with electrical features are not suitable for use in oxygen-enriched environments or where there is a flammable anesthetics mixture with air, oxygen, or nitrous oxide. Injury or equipment damage could occur.

The scale system is available on the Procedural (P8000), Electric (P8020), and Trauma (P8040) Stretchers only.

The scale system has an accuracy of 1% or 2.2 lb (1 kg), whichever is greater, and an operating range of 0 lb to 700.0 lb (0 kg to 317.5 kg). The scale control is at the foot end of the stretcher.

NOTE:

The scale must be adjusted to zero **before** the patient is put on the stretcher.

Adjust the Scale to Zero

1. Put all necessary items such as linens, blankets, pillows, equipment, and other items on the stretcher.
2. Press the **Enable** control.
3. Press the **Zero** control (0.0) until the **Hands Off** indicator flashes. The scale display will flash **CALC** until the scale is at zero. Then, the display will show **0.0** for both lb and kg.

NOTE:

The maximum displayed weight of 700.0 lb (317.5 kg) will be reduced if more than 14 lb (6.4 kg) of equipment is zeroed on the upper surface of the stretcher. If 50.0 lb (22.7 kg) is on the upper surface when zeroed, the maximum displayed weight will be 650 lb (294.8 kg). The scale display will flash when the maximum weight is exceeded.

Weigh the Patient

1. Make sure the patient is in the center of the stretcher.

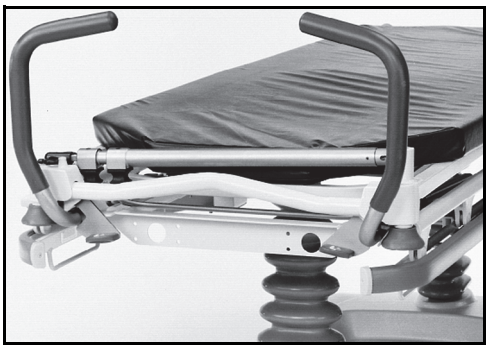
NOTE:

For a most accurate weight reading, the stretcher should be in the full high, full low, or flat position.

2. Press the **Weigh** control until the **Hands Off** indicator flashes. The display will show the weight in **both** pounds (lb) and kilograms (kg) for 20 seconds. If the stretcher and/or patient is not still for 10 seconds during the weigh procedure, the display will show **----**.

View the Last Patient Weight—press the **Last Weight** control. The display will show the last weight taken or **0.0** (if the stretcher was adjusted to zero after the patient weight was taken).

PUSH HANDLES



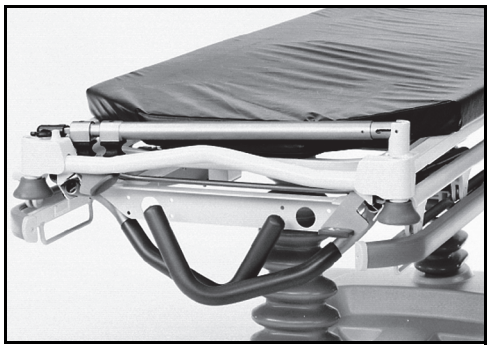
WARNING:

Warning—When you transport the stretcher on a ramp, keep a hand on each push/transport handle to help maintain control of the stretcher. Failure to do so could cause injury or equipment damage.

Remove from the Stored Position

1. Pull out the push handles.
2. Turn them upward until they lock in position.

Store



1. Lift up on the push handle's release mechanism.
2. Lower the push handle to the stored position.

Integrated IV Transport Handle

The integrated IV transport handle is not available on the Transport (P8005) Stretcher or Procedural (P8000) with the **IntelliDrive** Transport System.

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

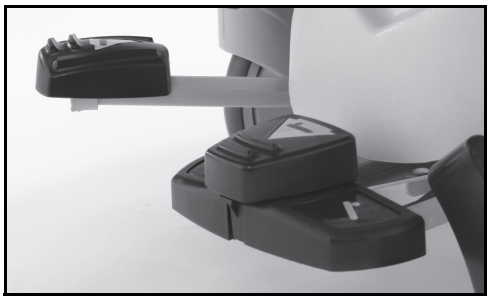
- **Warning**—During transport, make sure the casters on the stretcher and the casters on the portable IV pole do not make contact. Also, make sure your feet do not make contact with the base of the portable IV pole.
- **Warning**—During transport, make sure to maintain control of the portable IV pole.

The head-end transport handles have an integrated IV transport handle. This lets the caregiver move portable IV poles at the same time as the stretcher and yet keep both hands on the stretcher.

Move an IV Pole along with the Stretcher

1. Put the IV pole in the socket area on the transport handle.
2. Put your hand around the handle so it is next to the IV pole.
3. Move the stretcher as necessary.

Hilow and Trendelenburg/Reverse Trendelenburg Controls at the Foot End



The foot-end Hilow and foot-end Trendelendburg/Reverse Trendelenburg controls are available as an option on the Procedural (P8000), Surgical (P8010), and Trauma (P8040) Stretchers.

Hilow

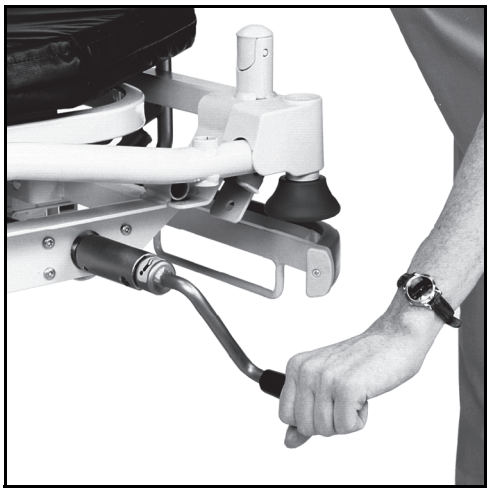
Raise—press the **Hilow Up** pedal, and pump it until the stretcher is at the applicable height.

Lower—press the **Trendelenburg** and **Reverse Trendelenburg** pedals at the same time, and hold them until the stretcher is at the applicable height.

Trendelenburg/Reverse Trendelenburg Controls

Refer to "Trendelenburg and Reverse Trendelenburg Positions" on page 15.

Knee Section Articulation Crank



The knee section articulation crank is standard on the Surgical (P8010) and Electric (P8020) Stretchers, and as an option on the Procedural (P8000) Stretcher. The crank lets the caregiver adjust the knee section.

Raise

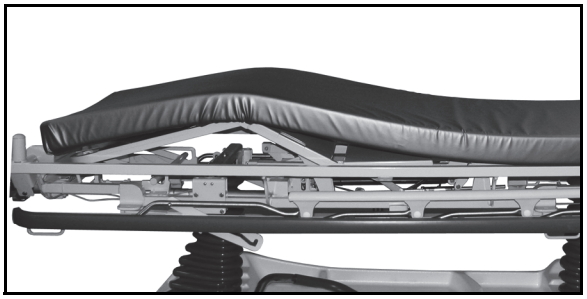
1. Pull the crank handle out from its stored position under the foot section.
2. Turn the crank handle clockwise until the knee section is at the applicable position.

Lower

1. If necessary, pull the crank handle out from its stored position under the foot section.
2. Turn the crank handle counterclockwise until the knee section is at the applicable position.

Store—after you raise or lower the knee section, turn the crank in toward the head of the stretcher to its stored position.

Fully Extended Knee Position



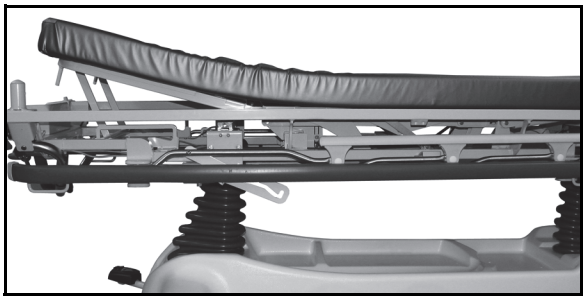
Raise

1. Use the knee section articulation crank to raise the foot section approximately 25°.
2. Lift up on the foot section.

Lower

1. Lift up on the foot section.
2. Lift the support bar, that is under the foot section, towards the head end.
3. Lower the foot section and the support bar at the same time.

Manual Foot Position



Use the manual foot position for a mild Trendelenburg position or to raise the patient's head if it is at the foot end of the stretcher.

Raise—lift up on the foot section until it is at the applicable height. Two positions are available.

Lower

1. Lift up on the foot section.
2. Lift the support bar, that is under the foot section, toward the head end.
3. Lower the foot section and the support bar at the same time.

Permanent Telescopic IV Pole

WARNING:

Warning—Do not exceed the load capacity of the IV pole. If the IV pole is overloaded, personal injury or equipment damage may occur.

NOTE:

Pumps should be attached to the lower section of the permanent IV pole only.

The permanent IV pole is available as an option on the stretchers.

Three Stage—Procedural (P8000), Surgical (P8010), Electric (P8020), Trauma (P8040), OB/GYN (P8050) Stretcher, and some Transport (P8005) Stretchers

NOTE:

On Transport (P8005) stretchers built **after** June 2008, the three-stage permanent IV pole is available for the head end only.

The safe working load of the IV pole is 40 lb (18.1 kg).

Raise

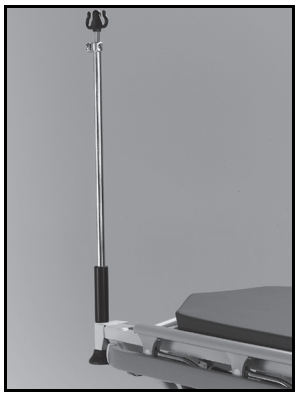
1. Pull the IV pole up from its stored position.
2. Make sure IV pole is installed in the support bracket correctly. The sleeve should be over the point where the base of the pole meets the support bracket.
3. Pull up on the top section of the IV pole to raise it to one of the four heights available. The top and middle sections will latch into position.

Lower—pull out and hold the release knob as you push down on the top section until it fully collapses.

Store

1. Lift the IV pole.
2. Push the IV pole sideways until it lowers.
3. Store the IV pole on the pin supplied.

Two Stage—Transport (P8005) Stretcher



NOTE:

On stretchers built **before** July 2008, the two-stage IV pole is available for the foot and head ends. On stretchers built **after** June 2008, the two-stage IV pole is available for the foot end only; the three-stage IV pole is available for the head end.

The safe working load of the IV pole is 25 lb (11.3 kg).

Raise

1. Pull the IV pole up from its stored position.
2. Make sure IV pole is installed in the support bracket correctly. The sleeve should be over the point where the base of the pole meets the support bracket.
3. Pull up on the top section of the IV pole to raise it to one of the two heights available. The top section will latch into position.

Lower—pull out and hold the release knob as you push down on the top section until it fully collapses.

Store

1. Lift the sleeve.
2. Push the IV pole sideways until it lowers.
3. Store the IV pole on the pin supplied.

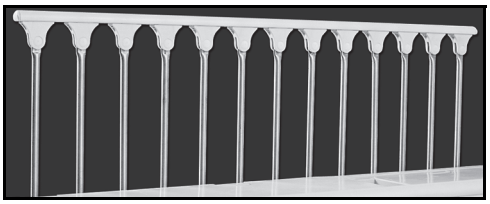
SPECIFIC FEATURES

PROCEDURAL (P8000) STRETCHER

Siderails

The siderails fold down, store under the edge of the sleep deck, and permit a zero transfer gap.

KX1 Siderail



The KX1 siderail is available as an option on the Procedural (P8000) Stretcher. The KX1 siderail features 13 uprights spaced 3" (76 mm) apart.

Hilow and Trendelenburg/Reverse Trendelenburg Pedals

These pedals on the sides of the Procedural (P8000) Stretcher are standard. Foot-end pedals are available as an option.

Radiolucent Surface

A radiolucent surface is available as an option on the Procedural (P8000) Stretcher.

Upright Chest X-ray Cassette Holder (P279AT)

The upright chest x-ray cassette holder is available only for the radiolucent surface model of the Procedural (P8000) Stretcher that does not have the integrated oxygen tank holder option. For use information, see "Upright Chest X-ray Cassette Holder (P279AT)" on page 49.

Sleep Deck Width

The Procedural (P8000) Stretcher is available with either a 26" (66 cm) or 30" (76 cm) wide sleep deck.

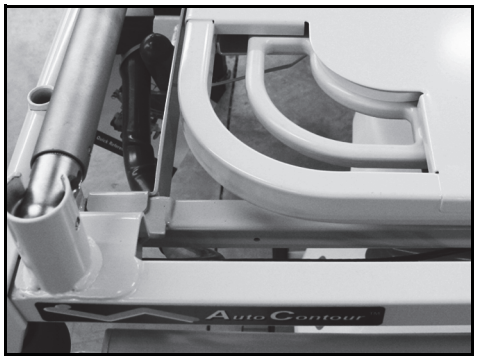
Auto Contour Feature

WARNING:

Warning—The optional Auto Contour feature raises the knee section at the same time as the head section. Failure to realize this could cause patient injury.

The Auto Contour feature raises the knee section at the same time as the head section. This helps prevent the patient from sliding down to the foot end of the stretcher.

Raise the Head Section



1. Squeeze the handle at either corner of the head section as you lift up on the head section. The knee section will rise also.
2. When the head section is at the applicable position, release the handle. The head and knee sections will lock into position.

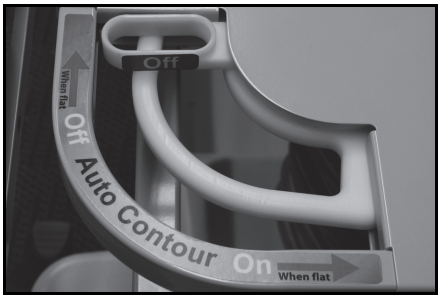
Lower the Head Section

1. Squeeze the handle at either corner of the head section as you push down on the head section. The knee section will lower also.
2. When the head section is at the applicable position, release the handle. The head and knee sections will lock into position.

Lower the Knee Section to Flat—lower the head section to flat. The knee section will lower also. If the knee section is not flat, refer to "Knee Section Articulation Crank" on page 23.

Off or On (stretchers built before January 2009)

Off



1. Make sure the head section is in the flat position.
2. Slide the **On/Off** lever to the **Off** position.

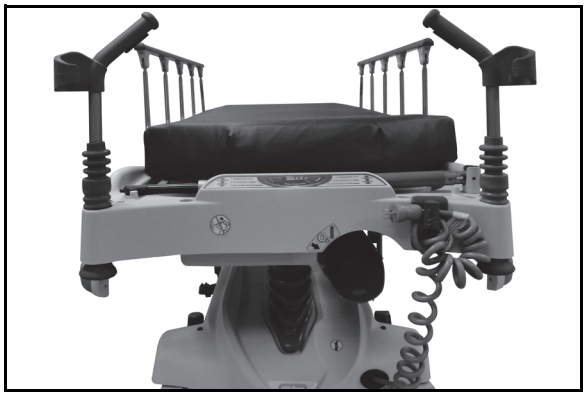
On

1. Make sure the head section is in the flat position.
2. Slide the **On/Off** lever to the **On** position.

BackSaver Fowler Feature

The **BackSaver Fowler** Feature is an optional feature that helps the caregiver raise and lower the head section. The more weight that is applied to the seat section, the easier it is to raise and lower the head section.

IntelliDrive Transport System—No Longer Available



This feature was discontinued in 2017.

The **IntelliDrive** Transport System is a permanently attached powered drive that is built into the stretcher. This feature lets the caregiver move the stretcher forward or reverse with very little applied force. The caregiver operates the system through the transport handles.

These features are not available on the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System:

- Active Brake System
- Oxygen tank holder in the base shroud
- Steering Plus Steering System or a left foot-end caster lock for steer (stretchers without the Steering Plus Steering System)

NOTE:

For accessories that can not be used with Procedural (P8000) Stretcher with the **IntelliDrive** Transport System, refer to the "Accessories" on page 41.

WARNING:

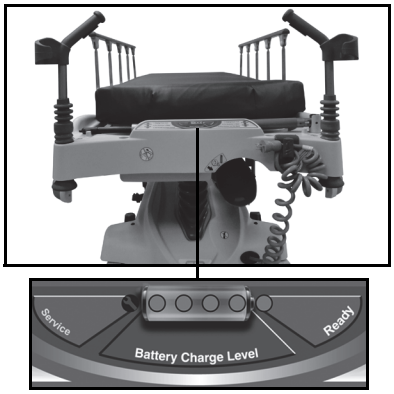
To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Always set the brakes when the stretcher is occupied, except during transport. Make sure the brakes are set before any patient transfer.
- **Warning**—When you transport the stretcher on a ramp, keep a hand on each push/transport handle to help maintain control of the stretcher.
- **Warning**—If the stretcher is stopped on a ramp, or a patient is left unattended, set the brake to prevent stretcher movement.
- **Warning**—Always approach inclines and thresholds as you move forward or backwards, rather than sideways.
- **Warning**—Stretchers with electrical features are not suitable for use in oxygen-enriched environments or where there is a flammable anesthetics mixture with air, oxygen, or nitrous oxide.
- **Warning**—Do not use the **IntelliDrive** Transport System if the stretcher moves forward or reverse when one of these occur: you press one of the enable switches, but do not apply pressure to one of the handles; you apply pressure to one of the handles, but do not press one of the enable switches. Contact your facility-authorized maintenance person.

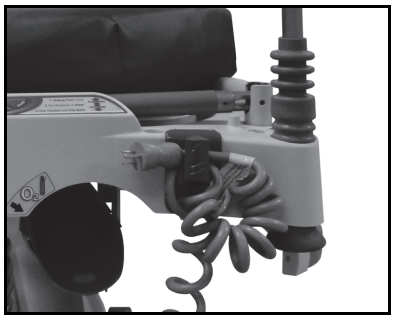
CAUTION:

Caution—The **IntelliDrive** Transport System is intended for indoor use only. Outdoor use may cause temporary or permanent damage to the powered drive mechanism and/or drive wheel.

Use the Transport System



1. Refer to the guidelines for "Transport" on page 53 and "Transport Position and Stability" on page 54.
2. Raise the siderails to the up and locked position.
3. Make sure all equipment (monitors, oxygen tanks, IV poles, etc.) that is to be transported with the stretcher is safely in position on the stretcher.
4. Make sure the transport handles are up and locked in position.



5. Disconnect the power cord from the wall outlet, and safely stow it in its holder on the upper shroud.

NOTE:

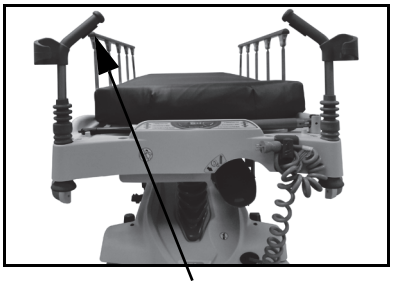
Whenever the power cord is not in use, stow it in its holder.

6. Look at the Battery Charge Level, and make sure there is sufficient battery power for the transport. The number of battery charge indicators that are on show the amount of charge left in the battery:
   - 4 = fully charged
   - 1 flashing = charge the battery as soon as possible

NOTE:

- The batteries get charged when the power cord is connected to a wall outlet. For maximum battery life, connect the power cord to a wall outlet whenever possible.
- If the Service indicator is flashing, contact your facility-authorized maintenance person at your earliest convenience.

7. Set the brake/steer control to **Steer**. The Ready indicator will come on to let you know the drive wheel has moved to the transport position and there is more than 0% charge in the battery.
8. Make sure your view is unobstructed from the head end of the stretcher.
9. Press one or both of the **Enable** switches on the inside of the transport handles, and push (forward) or pull (reverse) the handles. The motor will engage to move the stretcher in the selected direction.

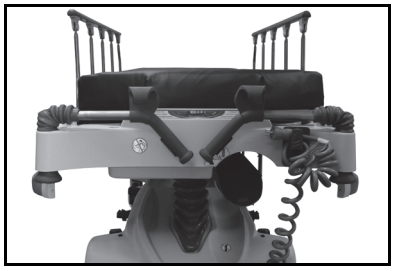

Enable Switch

NOTE:

- When you press an enable switch, the stretcher will not move if you do not push or pull the transport handles.
- The amount of applied force to the transport handles determines the transport speed. The more force applied, the faster the stretcher will get to its maximum speed. For smooth fluid motion, apply a consistent, even force to the handles.

10. To stop the stretcher, release the **Enable** switches.
11. If the stretcher is to be left unattended, set the brake.

12. When the transport is complete, set the brake, and stow the handles as follows:
    a. Lift upwards on the handles to unlock them.
    b. Move the handles inward and down to the stowed position.
    c. Connect the power cord to AC power if it is available.



NOTE:
The batteries get charged when the power cord is connected to a wall outlet. For maximum battery life, connect the power cord to a wall outlet whenever possible.

Disengage the Transport System

Set the brake/steer control to either of these:

- **Neutral**—for sideways movement of the stretcher
- **Brake**—to help prevent unintentional movement of the stretcher

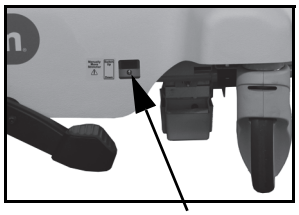
Use the Manual Mode to Move the Stretcher

WARNING:
To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—If the transport system has lost power, push the Manual Mode switch that is on the drive box to the up position. This permits you to move the stretcher manually.
- **Warning**—When the transport system is in manual mode, the stretcher is very difficult to push. To prevent injury, have someone assist you when you move the stretcher.

The Manual Mode switch is on the left side of the stretcher. If during a transport, there is a loss of power, do as follows:

1. Push the **Manual Mode** switch **Up**. This permits the stretcher to be moved manually in the forward or reverse directions.

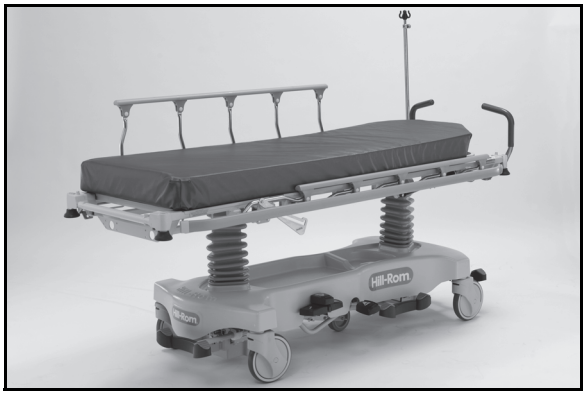


Manual Mode Switch

NOTE:
In manual mode, the stretcher can not be moved sideways.

2. At the end of the transport, push the **Manual Mode** switch **Down**, and tell facility maintenance about the condition.

TRANSPORT (P8005) STRETCHER



Siderails

The siderails fold down, but do not store under the edge of the sleep deck or permit a zero transfer gap.

Hilow and Trendelenburg/Reverse Trendelenburg Control Pedals

The control pedals are only available on the sides of the Transport (P8005) Stretcher.

Radiolucent Surface

A radiolucent surface in the backrest section is available as an option on the Transport (P8005) Stretcher.

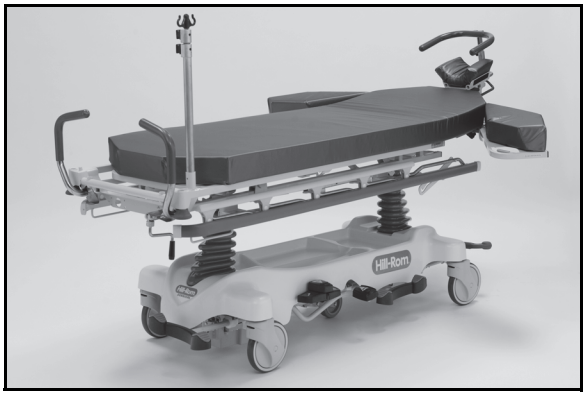
Upright Chest X-ray Cassette Holder (P279AT)

The upright chest x-ray cassette holder is available only for the radiolucent surface model of the Transport (P8005) Stretcher. For use information, see "Upright Chest X-ray Cassette Holder (P279AT)" on page 49.

Sleep Deck Width

The Transport (P8005) Stretcher is available with either a 26" (66 cm) or 30" (76 cm) wide sleep deck.

SURGICAL (P8010) STRETCHER



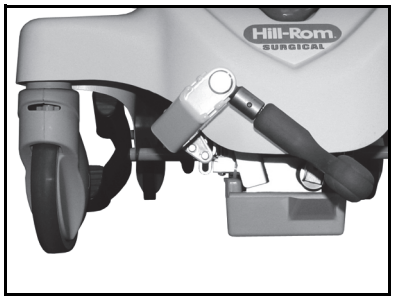
Brake/Steer

The surgical brake/steer pedal is at the head end of the stretcher. When the stretcher is put in the brake position, the brake/steer pedal will "flip up" off the floor.

Steer

Engage—press down on the **Steer** (green) side of the pedal. The left foot-end caster will lock into position.

Disengage—push up on the pedal, move it toward the **Brake** position, and then press down on the pedal until it is in the neutral position (parallel to the floor).

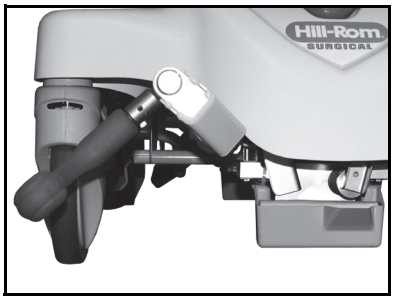


Steer

Brake

Engage—press down on the **Brake** (orange) side of the pedal. All four casters will lock.

Disengage—push up on the pedal, move it toward the **Steer** position, and then press down on the pedal until it is in the neutral position (parallel to the floor).



Brake

Surface Positions—Back Section

WARNING:

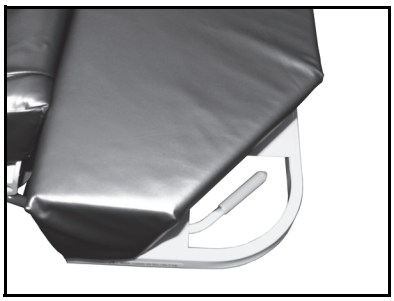
To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Stretcher positions that cause the patient's torso to be at an angle less than 90° to the legs could reduce circulatory efficiency in the lower extremities. Such positions are not recommended for extended periods of time and should be monitored under medical supervision.
- **Warning**—For additional support, use the built-in handle on the head section when you adjust the back section.

The back section may be adjusted when the stretcher is as follows:

- In the PACU Extender position (extenders around the head section)
- In the Armboard position (extenders in the armboard position)
- Without the extenders

PACU Extender Position



Raise

1. Hold the handle at the end of either PACU extender as you lift up on the back section.
2. When the back section is at the applicable angle, release the handle. The back section will lock into position.

Lower

1. Hold the handle at the end of either PACU extender as you push down on the back section.
2. When the back section is at the applicable height, release the handle. The back section will lock into position.

Armboard Position (or when arm boards are removed)

WARNING:

Warning—Do not put any unnecessary force on the PACU Extender when it is in the armboard position. Personal injury and equipment damage could occur.

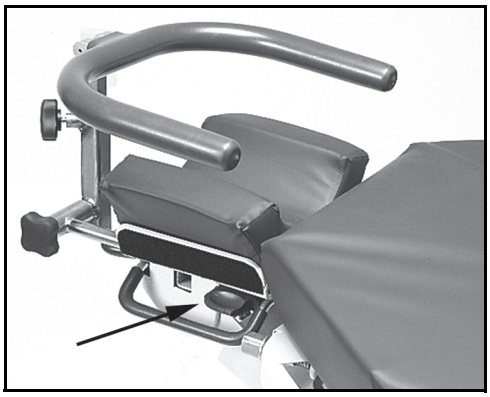
Raise

1. Hold the handle at the top of the back section on either side of the head section (under the patient's shoulder region on the stretcher) as you lift up on the back section.
2. When the back section is at the applicable angle, release the handle. The back section will lock into position.

Lower

1. Hold the handle at the top of the back section on either side of the head section (under the patient's shoulder region on the stretcher) as you push down on the back section.
2. When the back section is at the applicable angle, release the handle. The back section will lock into position.

Surface Positions—Head Section



WARNING:

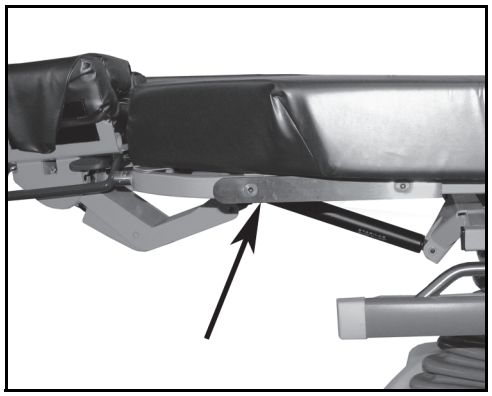
Warning—When there is little or no weight on the head section, make sure the lift mechanism is fully controlled by the operator. Failure to do so could cause the head section to rise quickly. Personal injury or equipment damage could occur.

The head section can pivot up and down and tilt front to back independently.

Adjust

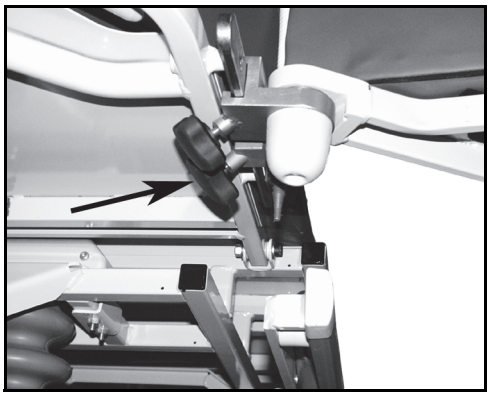
1. Support the head section with both hands as you press and hold the thumb push lever on either side of the head section.
2. When the head section is at the applicable position, release the handle. The head section will lock into position.

Surgical Rail



The surgical rail is used to attach accessories to the stretcher such as gas delivery/drape support device, PACU extenders/armboards, etc. Surgical rails are on both sides of the back section.

PACU Extenders/Armboards (P261EC)



WARNING:

Warning—Do not exceed the load capacity of the PACU extenders/armboards. If the PACU extenders/armboards are overloaded, personal injury or equipment damage may occur.

The safe working load of the PACU extenders/armboards is 45 lb (20 kg).

The PACU extenders/armboards attach to the surgical rail on either side of the stretcher.

Attach

1. Loosen the knob on the PACU extenders/armboards.
2. With the knob toward the inside of the stretcher, slide the extenders/armboards on to the surgical rail.
3. Push the extenders/armboards as far as possible on to the rail.
4. Tighten the knob on the extenders/armboards to hold it in position.

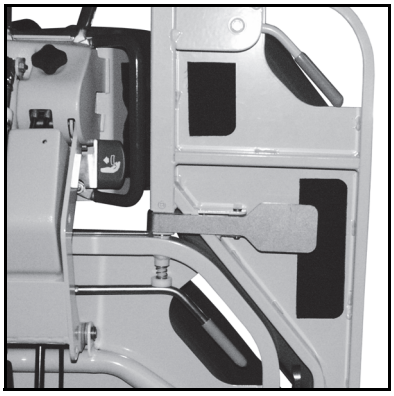
PACU Extender/Armboard Positions

PACU Extender

Attach—swing the extender toward the head section and push firmly until the extender lock is automatically engaged.

Release

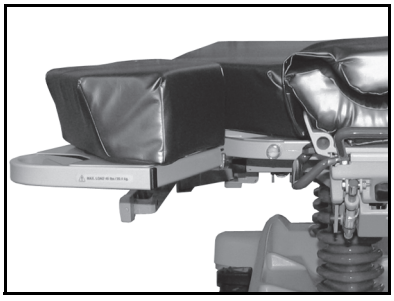
1. Press the bar under the extender on the side to release the Extender lock.
2. Continue to press the bar as you pull outward and swing the extender until it is released from the head section.



Underside View

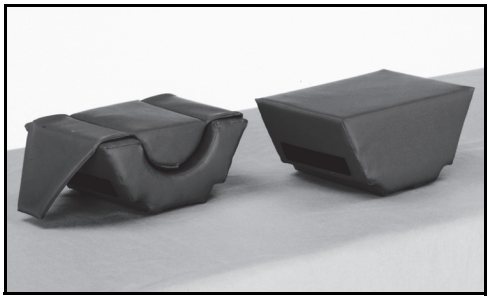
Armboard

Swing the extender away from the head of the stretcher into the armboard position. The armboard is designed to stay in position.



Head Section Cushions

Two cushion styles are available: a combination two piece flat/concave cushion set or a one piece flat cushion.



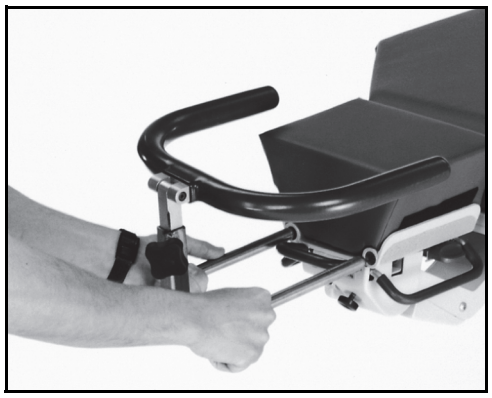
Head Restraint Strap (P449)

The head restraint strap can be attached to the **Velcro** strip on the side of the articulating head section.

Attach

1. Wrap the restraint strap around one of the integrated pull handles on either side of the head section. Put the end of the strap through the loop on the restraint strap and over the side of the pull handle.
2. Put the strap over the top of the head section and put the strap firmly over the patient's forehead. Attach the other end to the **Velcro** strip on the other side of the head section.

Superior Wrist Rest (P262A01)



The superior wrist rest attaches to the head section and is used to support the physician's wrist during procedures.

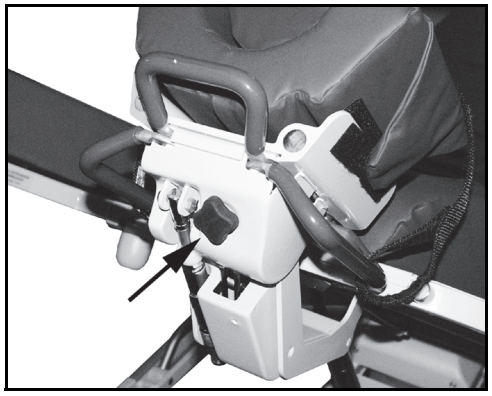
WARNING:

Warning—Remove the superior wrist rest before you transport the stretcher. Failure to do so could cause personal injury or equipment damage.

Install

1. Align the two bars on the wrist rest with the two receptacle holes on the head section. It may be necessary to turn the lower knob on the right side of the wrist rest to loosen the bars and pull them apart from each other.
2. Insert the two bars into the two receptacle holes.
3. When the wrist rest is inserted at the applicable depth, tighten the lower knob on the right side of the wrist rest.
4. Pull outward on the wrist rest to make sure it is stable.

Raise or Lower



1. Turn the upper knob on the right side of the wrist rest to loosen it.
2. Raise or lower the wrist rest to the applicable height.
3. Turn the upper knob counterclockwise until it is tightened.
4. Pull up and push down on the wrist rest to make sure it is stable.

NOTE:

The wrist rest may be flipped up and over away from the patient's head. This will not change the height and position of the wrist rest.

Remove

1. Turn the lower knob on the right side of the wrist rest to loosen it.
2. Pull the wrist rest outward until it separates from the head section.

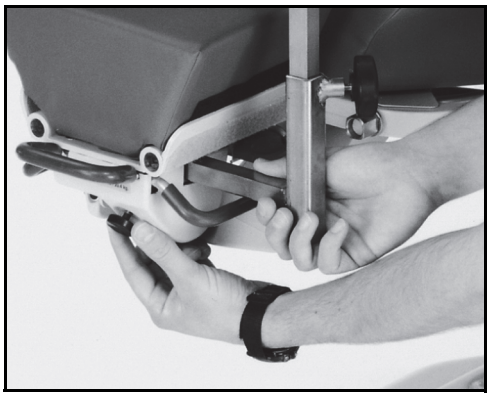
Temporal Wrist Rest (P262A02)

The temporal wrist rest attaches to either side of the head section and is used to support the physician's wrist during procedures.

WARNING:

Warning—Remove the temporal wrist rest before you transport the stretcher. Failure to do so could cause personal injury or equipment damage.

Install



1. Loosen the knob at the top end of the head section just underneath the head cushion.
2. Insert the bar of the wrist rest into the receptacle on either side of the head section
3. When inserted to the applicable depth, tighten the knob.
4. Pull the wrist rest outward to make sure it is tightly in position.

Raise or Lower

1. Loosen the knob on the right side of the wrist rest.
2. Raise or lower the wrist rest to the applicable height.
3. Tighten the knob.
4. Pull up and push down on the wrist rest to make sure it is stable.

NOTE:

The wrist rest may be flipped up and over away from the patient's head. This will not change the height and position of the wrist rest.

Remove

1. Loosen the knob at the top end of the head section.
2. Pull the wrist rest outward until it separates from the head section.

ELECTRIC (P8020) STRETCHER

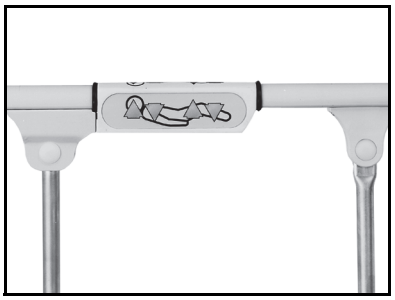
WARNING:

Warning—Surface positions that cause the patient's torso to be at an angle less than 90° to the legs could reduce circulatory efficiency in the lower extremities. Such positions are not recommended for extended periods of time and should be monitored under medical supervision. Patient injury could occur.

Supply Power to the Stretcher—plug the stretcher into an applicable power source.

Remove Power from the Stretcher—disconnect the stretcher from its power source.

Patient Controls



The patient controls that let the patient raise and lower the head and knee sections are on both siderails.

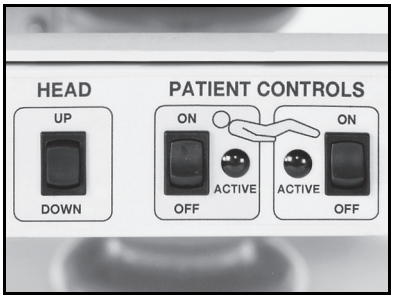
Raise the Head Section—press the **Head Up** control until the head section is at the applicable height.

Lower the Head Section—press the **Head Down** control until the head section is at the applicable height.

Raise the Knee Section—press the **Knee Up** control until the knee section is at the applicable height.

Lower the Knee Section—press the **Knee Down** control until the knee section is at the applicable height.

Caregiver Controls



The caregiver controls at the foot end of the stretcher let the caregiver raise or lower the head section and lock out the patient controls. The head section can be raised up to 90°. When the **Patient Controls** switches are in the **Off** position, the patient controls on the siderails and the caregiver head up/down control are locked out.

NOTE:

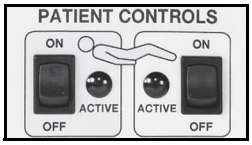
When the head section angle is greater than 65°, the patient **Head Up** and **Knee Up** controls will not operate.

Raise the Head Section—press the **Head Up/Down** control to the **Up** position until the head section is at the applicable height.

NOTE:

The **Head Up/Down** control is spring loaded to the **Off** position.

Lower the Head Section—press the Head Up/Down control to the Down position until the head section is at the applicable height.



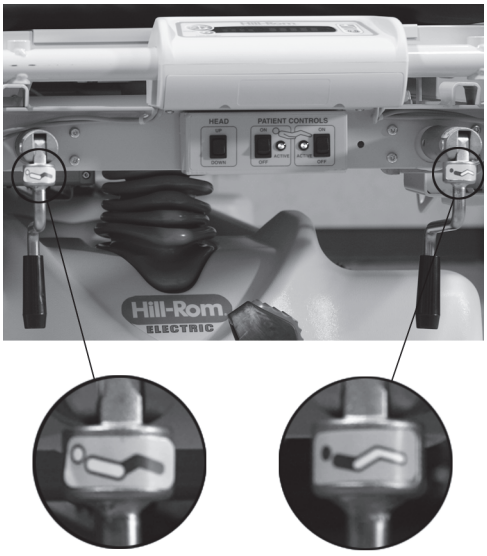
Head Knee

Lock Out the Patient Controls—press the applicable Head On/Off and/or Knee On/Off control switch to the Off position.

NOTE:

When the applicable patient control is locked out, the indicator is **off**.

Manual Articulation



WARNING:

Warning—Do not attempt to use a crank when the unit is powered or when the Patient Control switches are in the ON position. Personal injury or equipment damage could occur.

Head section and knee section cranks at the foot end of the stretcher let these sections be adjusted manually.

- Head section—left-hand crank
- Knee section—right-hand crank

Before Use—make sure the stretcher is unplugged from its power source and the Patient Control switches are **not** in the **On** position.

Raise the Head Section or Knee Section

1. Pull the applicable crank handle out, and lock it into position.
2. Turn the handle clockwise until the section is at the applicable height.

Lower the Head Section or Knee Section

1. Pull the applicable crank handle out, and lock it into position.

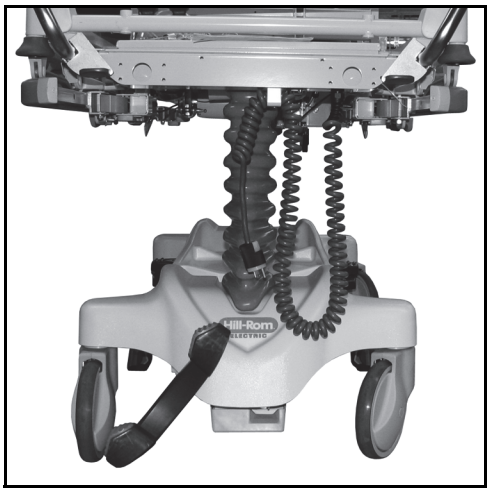
2. Turn the handle counterclockwise until the section is at the applicable height.

Store the Crank—turn the crank handle downward and in.

Other Knee and Foot Positions

Refer to "Fully Extended Knee Position" on page 23 and "Manual Foot Position" on page 24.

Power Cord Storage



WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

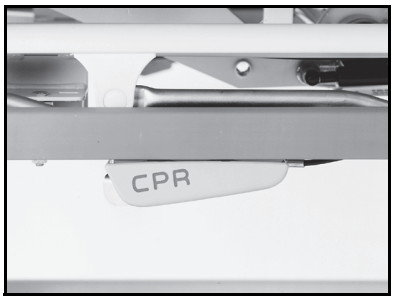
- **Warning**—Do not connect the power cord to an extension cord or multiple outlet strip or cover the cord with a rug or carpet. The power cord could overheat and cause a fire.
- **Warning**—Improper use or handling of the power cord may cause damage to the power cord. If damage has occurred to the power cord, immediately remove the stretcher from service, and contact the applicable maintenance person.
- **Warning**—Do not pull the stretcher by the power cord.

Store

1. Unplug the power cord from its power source.
2. Wrap the cord around the storage hook at the head end of the stretcher.

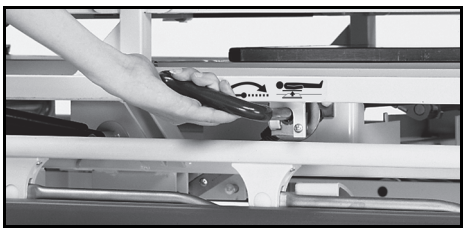
CPR Release

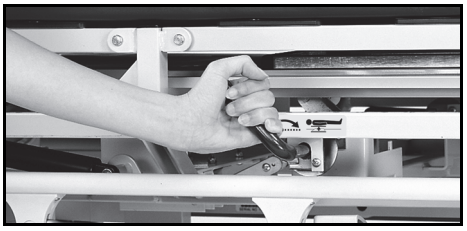
Engage—pull and hold the **CPR Release Handle** until the head section is in the full flat position.



Trauma (P8040) Stretcher

X-Ray Lift Actuation Lever





Setup

1. Put the x-ray cassette into the panel directly under the area to be x-rayed.
2. Pull the X-ray Actuation Lift Lever on either side of the stretcher outward and turn it in the direction of the arrow. This will raise the x-ray cassette vertically up to the sleep deck.

Remove

1. Turn the X-ray Actuation Lift Lever in the opposite direction of the arrow. This will lower the x-ray cassette away from the sleep deck.

2. Remove the x-ray cassette.

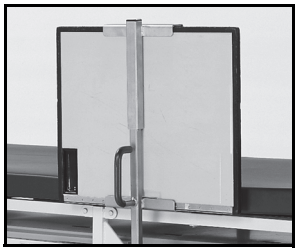
Radiolucent Surface

A radiolucent surface is standard on the Trauma (P8040) Stretcher.

Upright Chest X-ray Cassette Holder (P279AT)

The upright chest x-ray cassette holder is available for the Trauma (P8040) Stretcher. For use information, see "Upright Chest X-ray Cassette Holder (P279AT)" on page 49.

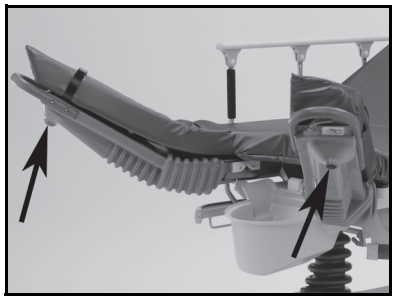
Lateral X-ray Cassette Holder (P264)



The lateral x-ray cassette holder is available for the Trauma (P8040) Stretcher. For use information, see "Lateral X-ray Cassette Holder (P264)" on page 50.

OB/GYN (P8050) Stretcher

Integrated Foot Support



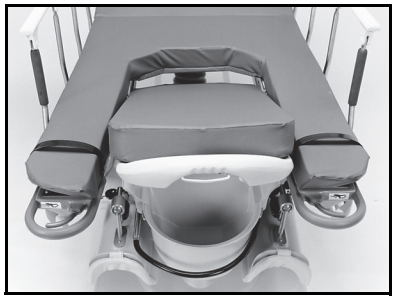
Before you adjust the position of the foot support, make sure the patient's feet are completely off the foot support and are at rest on the foot section.

Raise—press and hold the button underneath the foot support as you raise the foot support to the applicable height.

NOTE:
The button is completely covered.

Lower—press and hold the button underneath the foot support as you lower the foot support to the applicable height.

Store-Away Foot Section



WARNING:

Warning—Make sure the store-away foot section for the OB/GYN (P8050) Stretcher is correctly latched before the stretcher is occupied. Failure to do so could cause personal injury or equipment damage.

When the patient's feet are on the foot supports, the store-away foot section may be stored.

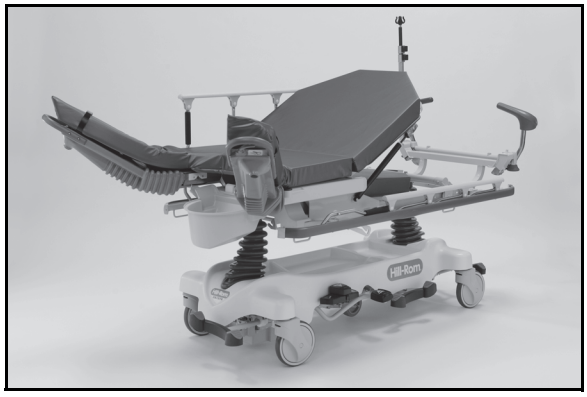
Store—hold the release handle that is underneath the foot section as you raise the end of the foot section and slide it forward (toward the head end of the stretcher). Continue to slide it forward until it stores completely under the patient surface.

Remove from the Stored Position

1. Hold the foot section by the molded handle and bring it out toward the foot end of the stretcher. Make sure the catch bar under the foot section engages the receptacle on the stretcher.
2. When the foot section is brought out fully toward the foot end of the stretcher, lower the end so the stretcher surface is level.

3. Apply force in the up, down, in, and out directions to make sure the foot section is locked into position.

Sliding Patient Platform



WARNING:

Warning—Make sure the channel area of the OB/GYN (P8050) Stretcher is free of persons and obstructions before you slide the patient platform. When the platform is at the correct position, make sure the platform is correctly latched. Failure to do so could cause personal injury or equipment damage.

Exam Position

1. Set the brakes.
2. Raise the siderails.
3. Hold the two handles on the tip of the foot supports.
4. Pull the sliding platform toward you until it is at the end stop position.

NOTE:

To make it easier to slide the patient into the exam position, you may put the stretcher in a slight Reverse Trendelenburg position see "Trendelenburg and Reverse Trendelenburg Positions" on page 15.

5. As you hold the handles, push the foot supports apart to gain better access to the exam site.
6. Release the handles, and then push and pull on the foot supports to make sure the platform is locked into position.
7. To put the stretcher in its standard configuration, do the above procedure in reverse order.

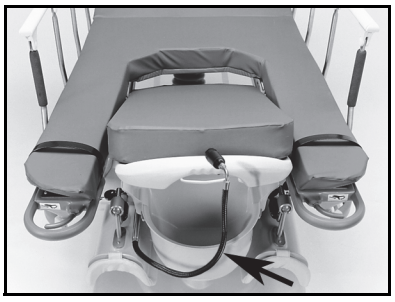
Radiolucent Surface

A radiolucent surface is standard on the OB/GYN (P8050) Stretcher.

Upright Chest X-ray Cassette Holder (P279AT)

The upright chest x-ray cassette holder is available for the OB/GYN (P8050) Stretcher. For use information, see "Upright Chest X-ray Cassette Holder (P279AT)" on page 49.

Integrated Fiber Optic Exam Light (P7915AT)—No Longer Available



WARNING:

Warning—When you use the exam light, make sure a backup light source is available. If there is no backup light source and the exam light fails, personal injury could occur.

Use the Light

1. Plug the electrical cord into the wall outlet.
2. Press the **On/Off** switch to **On**. The switch is on the power box under the head section of the stretcher.
3. Put the exam light in position.
4. To focus the light, rotate the sleeve on the light head inward or outward.

5. If necessary for sterility, you may put a drape over the light source.

Store the Light

1. Press the **On/Off** switch to **Off**.
2. Let the lamp cool.
3. Move the exam light so the light head is stored in the receptacle cavity on the right hand side of the catch basin.

Removable Catch/Fluid Basin (P265)

WARNING:

Warning—Do not exceed the load capacity of the catch/fluid basin. If the catch/fluid basin is overloaded, personal injury or equipment damage may occur.

The safe working load of the catch/fluid basin is 10 lb (4.5 kg).

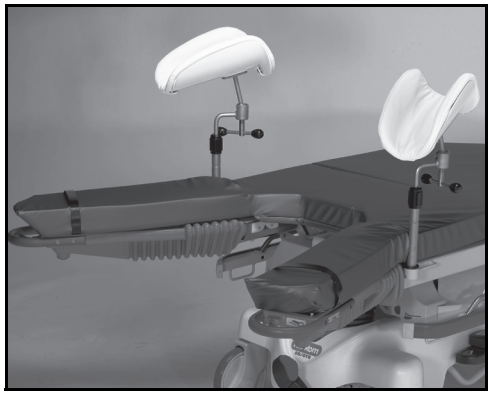
Attach

1. Cover the basin with a disposable bag.
2. Put the straight edge of the basin under the lip of the foot section shroud between the two support bars.
3. Lower the basin on the bars.

Detach

1. Lift the basin off the two support bars.
2. Slide the basin out from under the lip of the foot section shroud.

Telescoping Calf Supports (P35745AT)



WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Do not exceed the load capacity of the telescoping calf supports.
- **Warning**—Failure to tighten the calf supports sufficiently may cause them to slip and lose their original position.

The safe working load of the telescoping calf supports in the vertical direction is 75 lb (34 kg) and 20 lb (9 kg) in the side horizontal direction.

The telescoping calf supports attach to both sides of the seat section and fit into the calf support accessory sockets.

Attach

1. Loosen the black knob.
2. Insert the telescoping calf support into the calf support accessory socket.
3. Raise the calf support to the applicable height.
4. Tighten the knob.
5. Loosen the twin black knob.

6. Adjust the calf support to the applicable position.
7. Tighten the twin black knob.

Store

1. Do the attach procedure in reverse order.
2. Put the calf supports into the storage location under the foot of the stretcher on both sides of the catch basin.

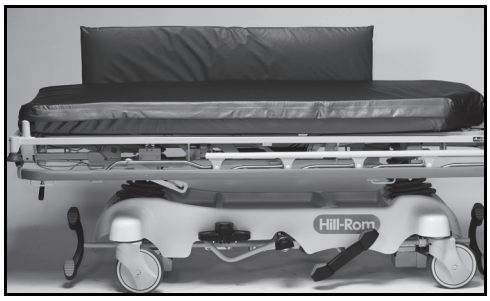
ACCESSORIES

Part Number	Description
P349	Transport straps
P931BT	Siderail covers
P4120CT	Head/footboard
P350CT	Convertible footboard (not for use on the P8010)
P929G1/2	Foot extender pad
P361	Chartholder
P2217	Removable telescopic IV pole
P158	Infusion support system transfer pole
P163	Infusion support system socket adapter
P491	IV transporter (attaches to the base)
P276A	Oxygen tank holder (vertical)
P27603	Horizontal oxygen tank holder
P27604	Oxygen tank holder bracket (horizontal)
P273	Liquid oxygen tank holder
P490	Patient tray
P344CT	Armboard (not for use on the P8010)
P1425C	Pillow
P297B01/02	Utility tray (standard and wide width)
P347AT	Ankle stirrups
P364AT01/02	Paper roll dispenser (standard and wide widths)
P279AT	Upright chest x-ray cassette holder
P264	Lateral x-ray cassette holder

TRANSPORT STRAPS (P349)

Three transport strap attachment areas are at the head, thigh, and foot sections. When the transport straps are not in use, store them under the mattress.

SIDERAIL COVERS (P931BT)



The siderail covers can be used when the siderails are in the raised position.

Install

1. Raise the siderails. See"Siderail Positions" on page 16.
2. Put the siderail covers, with the flap outward and the padded side inward, over the siderails.

HEAD/FOOTBOARD (P4120CT)

A stationary head/footboard is available for the stretchers. For the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System, the head/footboard can not be used at the head end of the stretcher.

CONVERTIBLE FOOTBOARD (P350CT)

The convertible footboard is not for use with the Surgical (P8010) Stretcher.

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

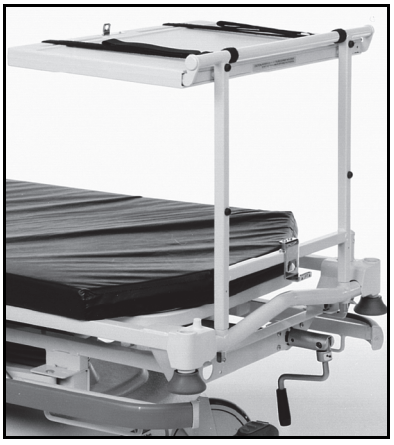
- **Warning**—Do not exceed the load capacity of the convertible footboard.
- **Warning**—Failure to attach auxiliary equipment to the convertible footboard before transport could cause personal injury or equipment damage.
- **Warning**—After use, return the convertible footboard to its original position and make sure it is latched correctly.

The safe working load of the convertible footboard is 45 lb (20 kg).

The convertible footboard can be used as follows:

- Footboard
- Transport shelf/charting area
- 15" (381 mm) foot extender

Transport Shelf/Chart Area



Setup

1. To release the footboard, lift up on the **Lift** latch on the lower center of the footboard.
2. Lift up the bottom of the footboard. And, turn it toward the head of the stretcher until the transport shelf/chart area is in the horizontal position.
3. Before transport, use the straps to tie down auxiliary equipment.

Store

1. Lift up the top of the transport shelf/chart area. And, turn it toward the foot end of the stretcher until it locks into the latch mechanism.

2. Pull gently on the footboard to make sure it is locked into the latch mechanism.

Foot Extender with Extender Pad (P929G1/2)

WARNING:

Warning—The foot extender does not fully lock into position. Use caution when you use the foot extender during transfers. Personal injury or equipment damage could occur.

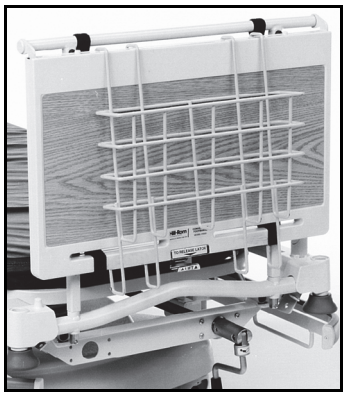
Setup

1. Lift the convertible footboard out of the ISS mounting sockets.
2. Put the convertible footboard in the horizontal position. Make sure the **Lift** latch side of the convertible footboard is up and the mounting posts are toward the head end of the stretcher.
3. Put the footboard mounting posts into the extender brackets under the sleep deck
4. Push the convertible footboard toward the head end of the stretcher until it is fully engaged.

Remove

1. Pull the convertible footboard out of the extender brackets.
2. Put the convertible footboard in the vertical position, and install it into the ISS mounting sockets.

Chartholder (P361)



WARNING:

Warning—Do not exceed the load capacity of the chartholder. If the chartholder is overloaded, personal injury or equipment damage may occur.

The safe working load of the chartholder is 15 lb (6.8 kg).

The chartholder installs on the P4120CTMO7 Footboard or the P350T Convertible Footboard.

Install

1. Attach the wire hooks on the bottom of the footboard, and lift up.
2. Attach the top hooks to the top of the footboard, and push down to lock them into position.

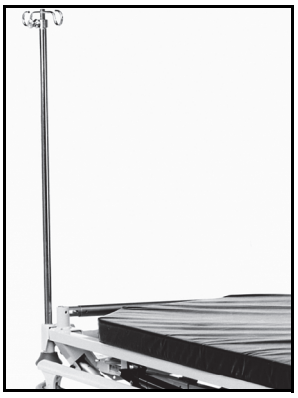
CAUTION:

Caution—Remove the chartholder before you put the convertible footboard into the Transport Shelf/Chart Area position. Failure to do so could cause equipment damage.

Before you put the convertible footboard into the Transport Shelf/Chart Area position, remove the chartholder.

Remove—do the install procedure in reverse order.

Removable Telescopic IV Pole (P2217)



For the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System, this IV pole can not be used at the head end of the stretcher.

WARNING:

Warning—Do not exceed the load capacity of the IV pole. If the IV pole is overloaded, personal injury or equipment damage may occur.

The safe working load of the IV pole is 25 lb (11.3 kg).

Install

1. Install the removable IV pole into one of the four IV pole mounting sockets at the four corners of the stretcher.
2. Turn the IV pole clockwise to hold it in position.

Extend—pull up on the upper section of the IV pole.

Lower—pull out the release knob, and manually lower the upper section until the IV pole is at the applicable height. The IV pole will latch into positon.

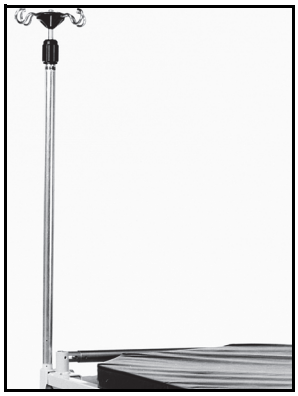
Remove—do the install procedure in reverse order.

Infusion Support System (ISS) Transfer Pole (P158)

For the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System, this ISS transfer pole can not be used at the head end of the stretcher.

WARNING:

Warning—Do not exceed the load capacity of the ISS transfer pole. If the ISS transfer pole is overloaded, personal injury or equipment damage may occur.



The safe working load of the ISS transfer pole is 20 lb (9.1 kg).

Install

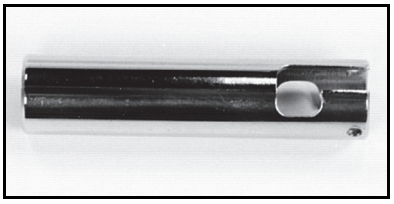
1. Install an ISS socket adapter in one of the four IV pole mounting sockets at the four corners of the stretcher. See "Infusion Support System (ISS) Socket Adapter (P163)" on page 44.
2. Put the ISS transfer pole into the ISS socket adapter.

Extend

1. Pull up on the upper section of the ISS transfer pole until it is at the applicable height.
2. Turn the black collar clockwise until it stops to lock the ISS transfer pole in position.

Lower—turn the black collar counterclockwise, and manually lower the ISS transfer pole.

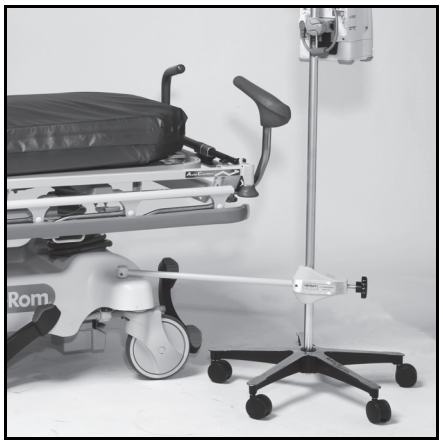
Infusion Support System (ISS) Socket Adapter (P163)



The ISS socket adapter lets the ISS transfer pole be put in any of the IV pole mounting sockets at the four corners of the stretcher.

Install—remove the roll pin from the IV pole mounting socket, and insert the ISS socket adapter into the IV pole mounting socket.

IV Transporter (P491)



The IV transporter can not be used on the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System.

The IV transporter attaches to the base of the stretcher.

Attach

1. Move the IV transporter arm away from the base of the stretcher.
2. Put the portable IV pole in the IV transporter clamp.
3. Turn the knob to tighten the IV transporter clamp.

WARNING:

Warning—Before transport, make sure the portable IV pole is tightly fastened in the IV transporter clamp. Failure to do so could cause personal injury or equipment damage.

Detach

1. Turn the knob to loosen the IV transporter clamp.
2. Remove the portable IV pole from the IV transporter clamp.
3. When the IV transporter is not in use, move it over the base of the stretcher, so it is stored completely.

Oxygen Tank Holder (P276A)

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Failure to follow facility protocols when you use oxygen equipment and supplies could cause injury or equipment damage.
- **Warning**—Do not exceed the load capacity of the oxygen tank holder.
- **Warning**—When you install or remove the oxygen tank from the oxygen tank holder, do not lift or pull the oxygen tank by the regulator.

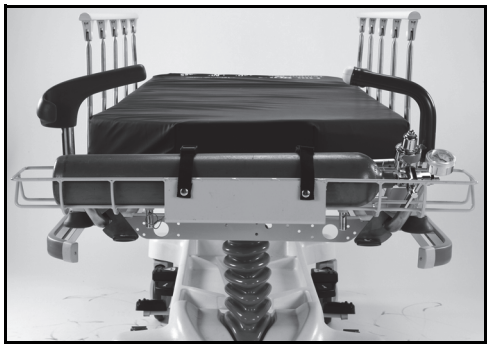
The safe working load of the oxygen tank holder is 30 lb (14 kg).

The oxygen tank holder holds an E-sized tank.

Install

1. Put the oxygen tank holder's mounting bar into one of the four IV pole mounting sockets at the four corners of the stretcher.
2. Put the oxygen tank in the oxygen tank holder.

HORIZONTAL OXYGEN TANK HOLDER (P27603)



The horizontal oxygen tank holder can not be used on the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System or stretchers with the integrated oxygen tank holder.

WARNING:

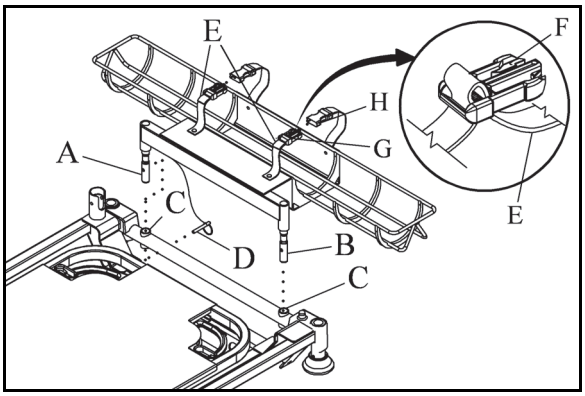
To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Failure to follow facility protocols when you use oxygen equipment and supplies could cause injury or equipment damage.
- **Warning**—When you install or remove the oxygen tank from the oxygen tank holder, do not lift or pull the oxygen tank by the regulator.
- **Warning**—Do not use an oxygen tank that has a regulator that extends past the bumpers on the stretcher.
- **Warning**—The use of a humidifier with an oxygen tank in the horizontal position could cause injury or equipment damage.
- **Warning**—Do not exceed the load capacity of the horizontal oxygen tank holder, and use the tank holder for its intended purpose only.
- **Warning**—Except for the removal and installation of an oxygen tank, always keep the tank holder straps connected.

The safe working load of the oxygen tank holder bracket is 30 lb (14 kg).

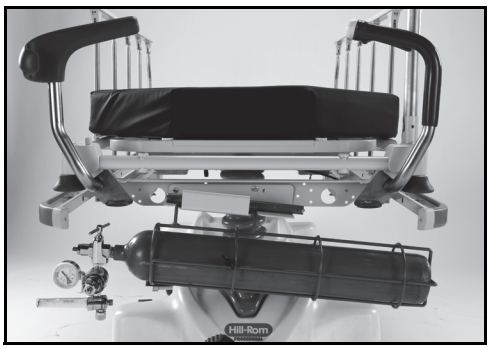
The oxygen tank holder holds one D- or E-size oxygen tank with a regulator.

Install



1. With the two posts of the tank holder toward the head end of the stretcher, install the posts (A and B) into the openings (C) in the head support tube.
2. From under the head support tube, install the lanyard pin (D) through the hole in the right-side post (A). Make sure the pin goes completely through the post.
3. Put an oxygen tank in the tank holder.
4. Do as follows to attach and adjust each of the tank holder straps (E):
   a. With the top side (F) of the buckle hook (G) up and the strap (E) under the hook (G), install the strap through the connector as shown.
   b. Connect the tank holder strap (E).
   c. If the strap (E) is loose, pull the excess length of strap to tighten it.
   d. Hold the strap (E) near the connector (H), and pull the strap.
      – If the strap (E) does not loosen, the adjustment is correct.
      – If the strap (E) loosens, the adjustment is incorrect. Repeat steps c and d to correct the adjustment.

Oxygen Tank Holder Bracket (P27604)



The oxygen tank holder bracket can not be used on the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System or stretchers with the integrated oxygen tank holder.

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

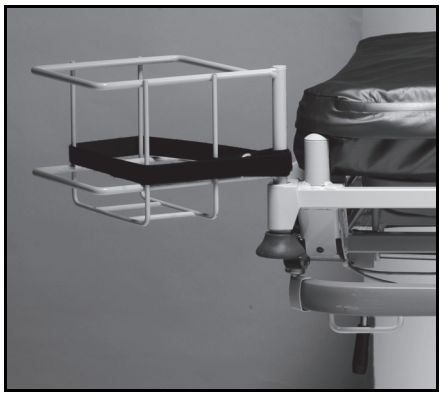
- **Warning**—Failure to follow facility protocols when you use oxygen equipment and supplies could cause injury or equipment damage.
- **Warning**—When you install or remove the oxygen tank from the oxygen tank holders, do not lift or pull the oxygen tank by the regulator.
- **Warning**—Do not use an oxygen tank that has a regulator that extends past the bumpers on the stretcher.
- **Warning**—The use of a humidifier with an oxygen tank in the horizontal position could cause injury or equipment damage.
- **Warning**—When you clean the stretcher, remove the tank holder. As you clean the stretcher, clean the mount bracket and removed tank holder.
- **Warning**—Do not exceed the load capacity of the tank holder.

The safe working load of the oxygen tank holder bracket is 30 lb (14 kg).

The oxygen tank holder bracket is not available for the Surgical (P8010) or OB/GYN (P8050) Stretcher. If the bracket is to be installed on a wide stretcher, the stretcher must have a serial number of I089AN6297 or higher.

For installation and removal, refer to the instructions included with the bracket.

Liquid Oxygen Tank Holder (P273)



WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Failure to follow facility protocols when you use oxygen equipment and supplies could cause injury or equipment damage.
- **Warning**—Do not exceed the load capacity of the liquid oxygen tank holder.

The safe working load of the liquid oxygen tank holder is 15 lb (7 kg).

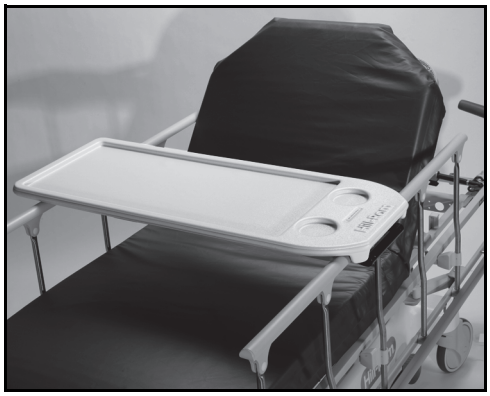
The liquid oxygen tank holder holds different sized tanks.

Install

1. Put the liquid oxygen tank holder's mounting bar into one of the four IV pole mounting sockets at the four corners of the stretcher.
2. If necessary, loosen the **Velcro** straps to get access to the oxygen tank in the liquid oxygen tank holder.
3. Put the oxygen tank in the liquid oxygen tank holder.

4. Tighten the **Velcro** straps around the oxygen tank. Make sure the **Velcro** straps lock together.
5. Make sure the handle lock mechanism is tightened.

Patient Tray (P490)



WARNING:

Warning—Do not exceed the load capacity of the patient tray. If the patient tray is overloaded, personal injury or equipment damage may occur.

The safe working load of the patient tray is 45 lb (20 kg).

NOTE:

The patient tray can be installed from either the left-hand or right-hand side of the stretcher.

Install

1. Raise the siderails. See"Siderail Positions" on page 16.
2. Slide the stationary hook end of the patient tray on one of the siderail top rails.
3. Turn the handle end of the tray down toward the other siderail until the handle snaps over the top of the siderail.

Remove

1. Pull up on the handle to release one side of the patient tray from the top of the siderail.
2. Lift the patient tray off the siderails.

Armboard (P344CT)

The armboard is not available for the Surgical (P8010) Stretcher.

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Do not install the armboard if a patient is not on the stretcher; the armboard is held in position by the patient's weight. When the armboard is installed, make sure the patient does not lean forward and cause the weight to be removed from the lower panel of the armboard. After use, remove the armboard.
- **Warning**—Do not exceed the load capacity of the armboard.

  The safe working load of the armboard is 30 lb (14 kg).

Install

1. Slide the armboard panel completely under the mattress.
2. With the armboard panel installed underneath the mattress, hold the armboard with one hand. With the other hand, turn the handle lock mechanism in a counterclockwise direction to loosen the mechanism.
3. Put the armboard in the applicable position.
4. Turn the handle lock mechanism to tighten it.
5. After use, remove the armboard.

Pillow (P1425C)

The pillow is specifically designed for the stretcher and supplies extra comfort for the patient.

Utility Tray (P297B01/02)

The utility tray can not be used on the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System or stretchers that have the integrated oxygen tank storage system, or the Auto Contour or **BackSaver Fowler** features.

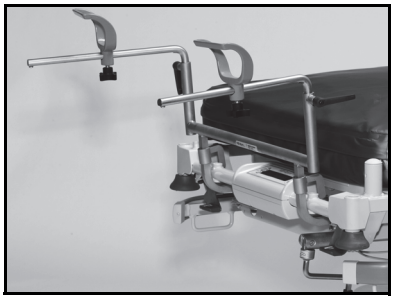
WARNING:

Warning—Do not exceed the load capacity of the utility tray. If the utility tray is overloaded, personal injury or equipment damage may occur.

The safe working load of the utility tray is 45 lb (20 kg).

The utility tray installs under the head section and supplies a temporary storage area.

Ankle Stirrups (P347AT)



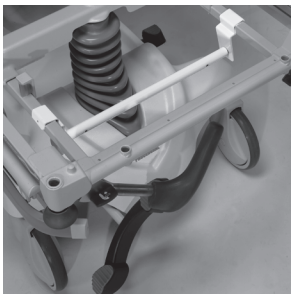
WARNING:

Warning—Do not exceed the load capacity of the ankle stirrups. If the ankle stirrups are overloaded, personal injury or equipment damage may occur.

The safe working load of the ankle stirrups is 60 lb (27 kg).

The ankle stirrups attach to the foot end of the stretcher for use during gynecological exams.

Paper Roll Dispenser (P364AT01/02)



The paper roll dispenser is available for the Transport (P8005) and Procedural (P8000) Stretchers that do not have the **IntelliDrive** Transport System, the integrated oxygen tank storage system, and/or the Auto Contour feature.

The paper roll dispenser installs under the head section and is an easy way to dispense exam table paper.

Upright Chest X-ray Cassette Holder (P279AT)

The upright chest x-ray cassette holder is not available for stretchers with the integrated oxygen tank storage system.

WARNING:

Warning—The x-ray lift is spring loaded. Make sure you have a strong hold on the cassette position bar during operation. Failure to do so could cause personal injury.

CAUTION:

Caution—Use the upright chest x-ray cassette holder with the stretcher's backrest in the upright position only. Failure to do so could cause damage to the x-ray cassette.

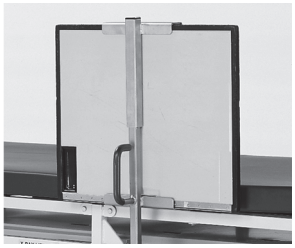
Setup

1. Make sure the stretcher's backrest is in the upright position.
2. Fold down the cassette position bar from the inside of the head section frame.
3. Put the x-ray cassette on the bar and keep it in position with the hold-down arm from the opposite side of the head section.
4. To adjust the height of the x-ray cassette, lift the bar until it is at the applicable level.

Remove

1. Put the hold-down arm in the stored position, and remove the x-ray cassette.
2. Fold the cassette position bar back into the stored position.

Lateral X-ray Cassette Holder (P264)



The lateral x-ray cassette holder is not available for stretchers with the integrated oxygen tank storage system.

Setup

1. Put the holder anywhere on the frame rail.
2. Lift the top bar up, and put the x-ray cassette into the holder.
3. Lower the top bar on to the cassette to hold it into position.
4. Hold the handle as you loosen the height adjustment knob.
5. Adjust the holder to the applicable height, and tighten the knob.

Remove

1. Lift the top bar, and remove the x-ray cassette.
2. Hold the handle as you lift the holder off the stretcher frame.

SAFETY INFORMATION

Brakes

WARNING:

Warning—Always set the brakes when the stretcher is occupied, except during transport. Make sure the brakes are set before any patient transfer. Failure to do so may cause personal injury or equipment damage.

Brakes should always be set when the stretcher is occupied and especially when you move a patient from one surface to another. Patients often use the stretcher for support to get out of the stretcher and could be injured if the stretcher moves unexpectedly. After you set the brakes, push and pull the stretcher to make sure it is stable.

Fluids

WARNING:

Warning—Fluid spills onto the stretcher electronics can cause a hazard. If such a spill occurs, unplug the stretcher and remove it from service. Failure to do so could cause personal injury or equipment damage.

When fluid spills occur outside that seen in normal use, immediately do as follows:

- Unplug the stretcher from its power source.
- Remove the patient from the stretcher.
- Clean the fluid spill from the stretcher system.
- Have maintenance inspect the system completely.

Do not put the stretcher back into service until it is completely dry, tested, and determined to be safe to operate.

Siderails/Restraints/Patient Monitoring

WARNING:

Warning—Evaluate patients for entrapment risk according to facility protocol, and monitor patients appropriately. Make sure all siderails are fully latched when in the raised position. Failure to do either of these could cause serious injury or death.

NOTE:

Siderails are intended to be a reminder to the patient of the stretcher's edges, not a patient-restraining device. When appropriate, Hill-Rom recommends that medical persons determine the correct methods necessary to make sure a patient remains safely on a stretcher.

When you raise the siderails, a **click** lets you know the siderails are completely raised and locked in position. Once the **click** is heard, gently pull on the siderail to make sure it is latched into position.

WARNING:

Warning—Patient restraints are not intended as substitutes for good nursing practices. Physical restraints, even correctly installed, can cause entanglement, physical injury, and death, particularly with agitated and disoriented patients. Monitor patients when you use physical restraints in accordance with legal requirements and facility protocol.

1. Develop guidelines for all patients that show these:
    - Which patients may need to be restrained and the applicable restraint to use.
    - The correct method to monitor a patient, whether restrained or not, that includes time interval, visual check of restraint, and such.

2. Develop training programs for all caregivers about the correct use and application of restraints.

3. Keep the stretcher at its lowest position with the brake set whenever a caregiver is not in the room.

4. Make sure families or guardians understand why the restraint devices are necessary.

For restraint devices, consult the restraint manufacturer’s instructions for use to make sure of the correct application of each restraint device.

Electricity

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—The potential for electrical shock exists with electrical equipment. Failure to follow facility protocols could cause death or serious injury.
- **Warning**—Incorrect use or handling of the power cord may cause damage to the power cord. If damage has occurred to the power cord, immediately remove the stretcher from service, and contact the applicable service person.
- **Warning**—Do not connect the power cord to an extension cord or multiple outlet strip or cover the cord with a rug or carpet. The power cord could overheat and cause a fire.

CAUTION:

Caution—This device meets all requirements for electromagnetic compatibility per EN 60601-1-2. It is unlikely that the user will encounter problems with this device because of inadequate electromagnetic immunity. However, electromagnetic immunity is always relative, and standards are based on anticipated environments of use. If the user notes unusual device behavior, particularly if such behavior is intermittent and associated with nearby use of radio or TV transmitters, cell phones, or electro-surgical equipment, this could be an indication of electromagnetic interference. If such behavior occurs, the user should try to move the equipment that causes the interference further from this device.

Policies and procedures must be made to train and educate your staff on the risks associated with electric equipment. Persons should not put any part of their body under or between parts of the stretcher that move. Whenever a stretcher is to be cleaned or serviced, it should be unplugged from its power source. Refer to the *Hillrom Transport, Procedural, and Specialty Stretchers Service Manual* (144386).

Parts and Accessories

Use only Hill-Rom parts and accessories. Do not make modifications to the stretcher without authorization from Hill-Rom.

Stretcher Operation/Surface Precautions

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—For stretchers **with** electrical features, use oxygen administering equipment of the nasal, mask, or ventilator type only or oxygen tents that can be contained inside the siderails and transport handles. Failure to do so could cause injury or equipment damage.
- **Warning**—Stretchers with electrical features are not suitable for use in oxygen-enriched environments or where there is a flammable anesthetics mixture with air, oxygen, or nitrous oxide. Injury or equipment damage could occur.
- **Warning**—Operate the stretcher within the stated environmental conditions, see "Environmental Conditions for Use" on page 66. Failure to do so could cause patient injury or equipment damage.
- **Warning**—The use of a mattress with an incompatible stretcher could result in patient harm.
- **Warning**—Evaluate patients for entrapment risk according to facility protocol and monitor patients appropriately.
- **Warning**—Overlays reduce the effective height of the siderails. When you use an overlay, evaluate the patient risk of falls. Failure to do so could cause injury.
- **Warning**—Surface may not be effective for patients outside the declared intended use.
- **Warning**—Make sure that the mattress has been installed correctly on the bed before use, failure to do so may result in patient injury.

CAUTION:

Caution—Use caution when you lower the stretcher. Make sure items in the base shroud storage compartment do not get in the way of the upper frame or siderail mounting brackets. Equipment damage could occur.

Transport

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—During transport, make sure the casters on the stretcher and the casters on the portable IV pole do not make contact. Also, make sure your feet do not make contact with the base of the portable IV pole.
- **Warning**—Failure to use transport straps that are compatible with the stretcher could cause personal injury or equipment damage.
- **Warning**—During transport, make sure to maintain control of the portable IV pole.
- **Warning**—Fully extended IV poles could hit doorways or ceiling fixtures. Lower poles before patient transport.
- **Warning**—Failure to attach auxiliary equipment to the convertible footboard before transport could cause personal injury or equipment damage.
- **Warning**—Remove the superior wrist rest before you transport the stretcher.
- **Warning**—Remove the temporal wrist rest before you transport the stretcher.
- **Warning**—When you transport the stretcher on a ramp, keep a hand on each push/transport handle to help maintain control of the stretcher.

CAUTION:

To help prevent equipment damage, obey these **cautions**:

- **Caution**—Before you transport the stretcher, make sure the power cord, hoses, and other equipment are correctly stowed.
- **Caution**—Do not push or pull the stretcher by IV poles, siderails, or other equipment. Use the transport handles, headboard, footboard, or other designated locations.

The stretcher is intended to be used to transport patients with the foot end of the system forward. Prior to transport, correctly stow the power cord to prevent tripping. Take care to prevent damage to the AC power cord. An electrical shock hazard exists. Use only the headboard, transport handles (if installed) or the footboard to move the stretcher.

Make sure the patient, equipment, and all lines are safely in position within the perimeter of the stretcher, and IV poles are lowered for intra-hospital transport.

Transport Position and Stability

WARNING:

Warning—During transport, use caution so the stretcher does not tip or overbalance. Failure to do so may cause personal injury or equipment damage.

Generally, as the load increases, the risk of instability goes up.

Lower the foot section and head section to increase stability.

Lower the stretcher height to increase stability.

Use and position of accessories may affect stability. Do not overextend IV poles or similar accessories and do not overload accessories. If multiple accessories are in use, distribute them evenly from side to side or head to foot.

For inclines or thresholds, approach them as you move forward or backwards, rather than sideways.

To help prevent overbalance or collision with hidden objects or people, do not make sharp corners and do not turn the stretcher at high speeds.

Procedural (P8000) Stretcher with the IntelliDrive Transport System

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—If the stretcher is stopped on a ramp, or a patient is left unattended, set the brake to prevent unwanted stretcher movement.
- **Warning**—If the transport system has lost power, push the Manual Mode switch that is on the drive box to the up position. This permits you to move the stretcher manually.
- **Warning**—When the transport system is in manual mode, the stretcher is very difficult to push.

CAUTION:

Caution—The **IntelliDrive** Transport System is intended for indoor use only. Outdoor use may cause temporary or permanent damage to the powered drive mechanism and/or drive wheel.

Sleep Surface/Mattress

WARNING:

Warning—Sleep surface impermeability could be affected by needle sticks. Caregivers should be instructed to **avoid** punctures caused by incorrect use of x-ray cassette holders and/or needle sticks. Failure to do so could cause cross-infection and patient injury.

The sleep surface should be regularly examined for punctures, rips, tears, or other such damage. Replace the surface as necessary.

Install

For Surface installation and removal:

1. Make sure the brake on the Stretcher is set.

2. Put the upper frame at the low-low position and make sure the upper frame is in flat position.

3. Lower the siderails

4. Place the mattress on top of the upper frame ensuring the head end and the **velcros** match with those on the Stretcher. Make sure the the logo side is up and at the foot end.

5. To remove mattress, follow steps 1 to 3 before lifting the surface to unhook **velcros** and remove.

Warning—The **Accumax** Stretcher Pad mattress weighs approximately 30 lb (13.6kg). Lift and move the mattress carefully, do not twist and seek assistance when necessary. Failure to do so could cause injury or equipment damage.

Flammability

WARNING:

Warning—Patients should not be permitted to smoke in the stretcher. Sheets and pillows generally do not have flame retardant properties. Personal injury or equipment damage could occur.

Observe fire prevention rules and regulations to reduce the possibility of fires.

To help prevent the risk of hospital stretcher fires, make sure facility persons follow the safety tips in the *FDA Public Health Notification: Safety Tips for Preventing Hospital Bed Fires.* (US only)

Stretcher Articulations

WARNING:

Warning—When you change the stretcher's position, make sure hands, feet, and equipment are away from the stretcher's frame assemblies. Failure to do so could cause personal injury or equipment damage.

Do not operate stretcher controls until all persons and equipment are away from mechanisms. To stop a function, release the control, and/or immediately unplug the AC power cord.

Observe lines closely during articulations. Always use good line management techniques, particularly as the head section rises.

WARNING:

Warning—This product can expose you to chemicals including carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Oxygen Equipment and Supplies

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—Failure to follow facility protocols when you use and stow oxygen equipment and supplies could cause injury or equipment damage.
- **Warning**—When you install or remove the oxygen tank from the integrated oxygen tank storage system or the oxygen tank holders, do not lift or pull the oxygen tank by the regulator.
- **Warning**—Do not use an oxygen tank that has a regulator that extends past the bumpers on the stretcher.
- **Warning**—The use of a humidifier with an oxygen tank in the horizontal position could cause injury or equipment damage.
- **Warning**—Do not exceed the load capacity of the integrated oxygen tank storage system or the oxygen tank holders.

CAUTION:

To help prevent equipment damage, obey these **cautions**:

- **Caution**—When you put the stretcher in the Trendelenburg or Reverse Trendelenburg position, use caution if an oxygen tank and/or an oxygen tank holder is installed. Equipment damage could occur if the tank and/or holder interfere with the articulation.
- **Caution**—Do not stow an oxygen tank in the recess at the head end of the base shroud.

We recommend that you remove the oxygen tank from the holder when the tank is not in use.

Visitor Notification

Instruct visitors not to attempt operation of caregiver controls. They may assist the patient with patient controls.

CLEANING AND DISINFECTING

WARNING:

To help prevent injury and/or equipment damage, obey these **warnings**:

- **Warning**—The potential for electrical shock exists with electrical equipment. Failure to follow facility protocol could cause death or serious injury.
- **Warning**—Before you clean and disinfect the Electric (P8020) Stretcher or the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System, disconnect the stretcher from its power source.
- **Warning**—Do not expose the stretcher to excessive moisture.
- **Warning**—Do not reuse wiping material for multiple steps or on multiple products.
- **Warning**—Harmful cleaning solutions may cause skin rash and/or irritation upon contact. Follow the manufacturer's instructions found on the product label and Safety Data Sheet (SDS).

- **Warning**—Lift and move items correctly. Do not twist, and seek assistance when necessary. Make sure the stretcher is at a correct height to lift items off the stretcher.
- **Warning**—Fluid spills on to the stretcher electronics could cause a hazard. If such a spill occurs, unplug the stretcher and remove it from service. When fluid spills occur outside of what is seen in normal use, immediately do as follows:
  a. Unplug the stretcher from its power source.
  b. Remove the patient from the stretcher.
  c. Clean the fluid spill from the stretcher system.
  d. Have maintenance examine the system completely.
  e. Do not put the stretcher back into service until it is completely dry, tested, and found to be safe to operate.
- **Warning**—Sleep surface should be cleaned and disinfected according to instructions. See "Cleaning and disinfection instructions" below.
- **Warning**—The use of non-approved cleaning solutions on the mattress surface may cause product damage that could result in patient harm.
- **Warning**—Inadequate cleaning procedures on the mattress surface may result in harm to patient or caregivers.

CAUTION:

To help prevent equipment damage, obey these **cautions**:

- **Caution**—Do not steam clean or power wash the stretcher. Pressure and excessive moisture can damage the protective surfaces of the stretcher and its electrical components.
- **Caution**—Do not use harsh cleansers/detergents, heavy duty grease removers, solvents such as toluene, xylene, or acetone, and do not use scouring pads (you may use a soft bristle brush).
- **Caution**—Do not use bleach as your primary everyday cleaner/disinfectant.
- **Caution**—Make sure the stretcher frame and mattress are dry before you put the mattress on the stretcher.
- **Caution**—Surface components are not suitable for laundering. Laundering could result in material degradation.

Recommendations

For proper cleaning and disinfection, staff members should be trained.

The **trainer** should carefully read the instructions and follow them when the **trainee** is being trained. The trainee should:

- Be given time to read the instructions and to ask any questions.
- Clean and disinfect the product while the trainer supervises. During, and/or after this process, the trainer should correct the trainee of any differences from the instructions for use.

The trainer should supervise the trainee until the trainee can clean and disinfect the stretcher as instructed.

Hill-Rom recommends to clean and disinfect the stretcher and mattress before first patient use, between patient uses, and regularly during extended patient stays.

Some fluids used in the hospital environment, such as iodophor and zinc oxide creams, can cause permanent stains. Remove temporary stains by wiping vigorously with a lightly-dampened wiping cloth.

Cleaning and Disinfection

Cleaning and disinfection are distinctly different processes. **Cleaning** is the physical removal of visible and non-visible soil and contaminants. **Disinfection** is intended to kill microorganisms.

Table 1 below summarizes the approved cleaners/disinfectants for use with the associated contact time for disinfection.

Table 1: Approved Cleaners/Disinfectants

Cleaner/Disinfectant	Recommended for Routine Cleaning and Disinfection	Recommended for Disinfection against Clostridium Difficile (C.Diff)	Maintain Wetness (Disinfection Contact Time)
Wex-Cide Germicidal Detergent ready-to-use	Yes	No	10 minutes
Virex II 256	Yes	No	10 minutes
OxyCide Daily Disinfectant Cleaner	Yes	Yes	3 minutes
Clorox HealthCare Bleach Germicidal Cleaner ready-to-use	**No***	Yes	5 minutes
Clorox HealthCare Bleach Germicidal Wipes	**No***	Yes	3 minutes

*Bleach is not recommended as the primary cleaner/disinfectant.

Remove any disinfectant residue prior to and after the use of bleach with a new or clean cloth/wipe soaked in tap water.

When you perform the detailed cleaning steps, please note the following:

- A microfiber cloth or the **Clorox HealthCare** Bleach Germicidal Wipe is recommended as the wiping cloth.
- Always replace the wiping cloth when visibly soiled.
- Always replace the wiping cloth between steps (spot clean, clean, and disinfect).
- Always use Personal Protective Equipment (PPE).
- Adjust the stretcher position, siderails, headboard, and footboard as needed for ease of cleaning and disinfection.

Prepare the Stretcher for Cleaning and Disinfecting

a. Unplug the stretcher (if applicable).

STEP 1: Cleaning

a. As necessary, first remove visible soil from the stretcher and the mattress using a wiping cloth soaked with an approved cleaner/disinfectant (see "Table 1: Approved Cleaners/Disinfectants" on page 58).
   - Give special attention to seams and other areas where soil may accumulate.
   - A soft bristle brush may be used to loosen hardened soil.
   - Use as many wiping cloths as needed to remove the soil.

It is important to remove all visible soil from all areas before continuing to remove non-visible soil.

b. With a new wiping cloth soaked in an approved cleaner/disinfectant, use firm pressure to wipe all surfaces of the stretcher and mattress. Use a new or clean wiping cloth as often as necessary.

c. Examine the unit and all accessories for damage.

d. Replace the damaged items.

STEP 2: Disinfection

a. With a new or clean wiping cloth soaked in an approved cleaner/disinfectant, use light pressure to wipe all exterior surfaces of the stretcher previously cleaned.

b. Make sure all surfaces **remain wet with the cleaner/disinfectant** for the **specified contact time**. **Re-wet** surfaces with a new wiping cloth as necessary. See "Table 1: Approved Cleaners/Disinfectants" on page 58 for the contact time.

NOTE:

If bleach is used with another cleaner/disinfectant, use a new or clean cloth/wipe soaked in tap water to remove any disinfectant residue prior to and after the bleach application.

Spray Wash

Procedural (P8000) Stretcher with the IntelliDrive Transport System and Electric (P8020) Stretcher

CAUTION:

Caution—Do **not** spray wash the Procedural (P8000) Stretcher with the **IntelliDrive** Transport System or the Electric (P8020) Stretcher. Electronic components are not protected from fluid ingress. Equipment damage could occur.

Procedural (P8000) without the IntelliDrive Transport System, Transport (P8005), Surgical (P8010), Trauma (P8040), and OB/GYN (P8050) Stretchers

CAUTION:

To help prevent equipment damage, obey these **cautions**:

- **Caution**—Do **not** spray wash the OB/GYN (P8050) Stretcher with the optional exam light installed. Electronic components are not protected from fluid ingress.
- **Caution**—Do not directly spray the hydraulic cylinders.
- **Caution**—Do not directly spray the scale components.
- **Caution**—Do not exceed 1750 psi (12066 kPa) during the spray wash.

The stretcher can be spray washed as necessary. Use a **maximum** nozzle pressure of 1750 psi (12066 kPa) at 24" (61 cm). **Do not** use a pencil point spray. The temperature of a spray wash that is water only should not be more than180°F (82°C). The temperature of a spray wash that contains detergent or solvents (**no bleach**) should not be more than 120°F (50°C). **Do not** spray under the base shroud. After the spray wash, prepare and paint over any exposed or chipped steel parts or oxidized areas.

MATTRESS DRAPING (OB/GYN STRETCHER)

CAUTION:

To help prevent equipment damage, obey these **cautions**:

- **Caution**—Mattress damage caused by incorrect draping and/or cleaning procedures is not covered by the warranty.
- **Caution**—Standard OB packs and paper drapes will not keep the sheets dry.

Correct draping procedures are necessary to help to prevent damage to the mattress. Drapes must be fluid repellent. The full size labor and delivery drape sufficiently covers the lower three-quarters of the bedding throughout labor. Put additional pads or towels under the patient so fluid does not reach the edges of the drape. This keeps the sheets clean and dry and helps prevent fluid exposure to the mattress.

Mattress materials that are soaked and scrubbed repeatedly have accelerated wear and eventually destroyed mattress seals, which cause fluids to leak into the cushions.

PREVENTIVE MAINTENANCE

WARNING:

Warning—Only facility-authorized persons should service Hillrom Stretchers. Service by unauthorized persons could cause personal injury or equipment damage.

It is necessary for Hillrom Stretchers to have an effective maintenance program. We recommend that you do annual preventive maintenance (PM) and testing for Joint Commission certification. PM and testing not only meet Joint Commission requirements but can help make sure of a long, operative life for the Hillrom Stretchers. PM will minimize downtime due to excessive wear. For the preventive maintenance schedule, refer to the *Hillrom Transport, Procedural, and Specialty Stretchers Service Manual* (144386).

DECOMMISSIONING AND DISPOSAL INSTRUCTIONS

Customers should adhere to all federal, state, regional, and/or local laws and regulations as it pertains to the safe disposal of medical devices and accessories. If in doubt, the user of the device shall first contact Hill-Rom Technical Support for guidance on safe disposal protocols.

- In order to ensure the safe handling and disposal of this product, follow all relevant warnings provided in the service manual regarding possible causes of injury when decommissioning a stretcher.
    - Always ensure that the stretcher is unplugged before decommissioning.
- The stretcher and its accessories should be cleaned and disinfected, as described in the instructions for use, before any other decommissioning activities.
- If the decommissioned stretcher or accessory is still fit for use, Hill-Rom recommends donating the decommissioned stretcher and accessories to a charitable organization so that they can be reused.
- If the decommissioned stretcher or accessory is not fit for use, Hill-Rom recommends dismantling the stretcher in accordance with the instructions provided in the service manual. Hill-Rom

recommends that all oil and hydraulic fluids are removed from the product before recycling or disposal, if applicable.

- Always check and comply with all local and national regulations and facility protocols when decommissioning a product.

Batteries should be recycled. Never dispose of batteries which contain substances that can be dangerous for the environment and health.

Other components, such as electronic components, plastics and metals, are recyclable in many local jurisdictions. Hill-Rom recommends recycling all components that can be recycled locally.

Components which cannot be recycled can be disposed of via standard waste disposal procedures.

EXPECTED LIFE

The expected life of the Hillrom Transport, Procedural, and Specialty stretchers is 10 years of normal use provided that recommended preventive maintenance is performed. However certain components have a shorter life cycle and will need to be replaced in order for the stretcher to meet its expected life. They are listed below:

- Stretchers with the scale option—the scale batteries have a minimum 1 year life expectancy.
- Mattresses have a 5 year life expectancy.
- Mattress fabric cover has a 2-year life expectancy, so it may require periodic replacement. Look at the product information label to to determine the age of the cover and mattress and check if cover is within expected 2-year life. The label is on the bottom right side of the cover, at the foot end.

Mattress Cover Inspection Checklist:

1. Examine the overall condition of the mattress. Make sure there are no cracks or unacceptable cosmetic damage of the mattress.

2. Make sure all labels are present, correctly installed, and can be read.

3. Examine fabric cover for punctures, rips, tears, or other damage:
- Bottom Side
- Areas where there are pivot points.
- Areas next to moving sections of the frame.
- The zippers.

4. Make sure the mattress attachment mechanisms are in good condition and securely hold the surface on the bed frame, if applicable.

If any of these checks fail, make adjustment. Repair or replace part cover as applicable. See service manual.

BATTERY REPLACEMENT

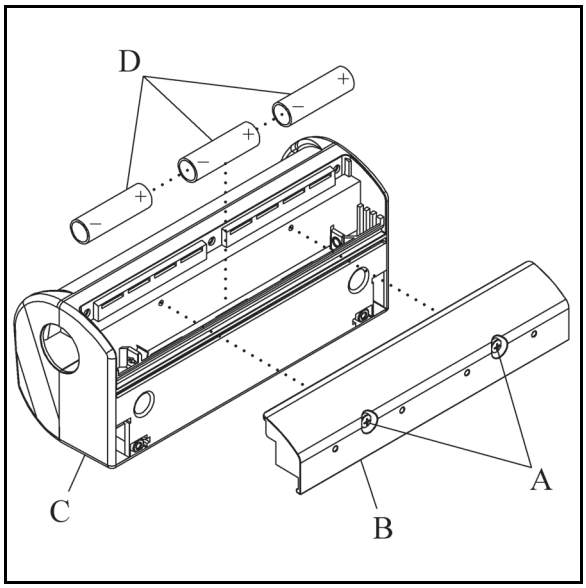
SCALE

Tools: #2 phillips head screwdriver

Parts: 3 AA alkaline batteries

Replace the batteries when the battery indicator comes on.

1. Raise the stretcher to the highest position and put it in the Trendelenburg position.
2. Loosen, but do not remove, the two screws (A) that attach the battery cover (B) to the scale display (C).
3. Remove the battery cover (B).
4. Remove the batteries (D), and discard or recycle them in accordance with local regulations.
5. Install the new batteries (D) as shown on the battery compartment.
6. Install the battery cover (B).
7. Tighten the two screws (A) to attach the battery cover (B) to the scale display (C).



INTELLIDRIVE TRANSPORT SYSTEM

If the **IntelliDrive** Transport System automatically shuts down power before the Battery Charge Level indicator flashes, have your facility-authorized maintenance person do a battery check.

To replace the batteries, refer to the *Hillrom Transport, Procedural, and Specialty Stretchers Service Manual* (144386).

After you replace the batteries, charge the batteries a minimum of 12 hours before use.

Discard or recycle the batteries in accordance with local regulations.

TROUBLESHOOTING

WARNING:

Warning—Only facility-authorized persons should service Hillrom Stretchers. Service by unauthorized persons could cause personal injury or equipment damage.

If the troubleshooting information shown below does not correct the problem, contact your facility-authorized maintenance person.

STRETCHER DOES NOT LOWER OR RAISE EVENLY, MAKES NOISE WHEN YOU PRESS THE UP PEDAL, OR TAKES MORE THAN 30 PRESSES TO RAISE

Remove the air from the hydraulic cylinders as follows:

1. Press the **Up** pedal to raise the stretcher to the high position.
2. While the stretcher is in the high position, press the **Up** pedal an additional 5 to 10 times.
3. Press the **Down** pedal to lower the stretcher to the low position.
4. Press the **Up** pedal, and count the number of times it takes to raise the stretcher to the high position. If the count is more than 30, repeat steps 2, 3, and 4.

PROCEDURAL (P8000) STRETCHER WITH THE INTELLIDRIVE TRANSPORT SYSTEM

The Service Indicator Is Flashing

At your earliest convenience, let your facility-authorized maintenance person know about the condition. This indicator comes on when it is time to replace the drive chains.

THERE IS EXCESSIVE NOISE DURING TRANSPORT OPERATION

If you hear loud clicking noises, such as when metal hits metal, let your facility-authorized maintenance person know about the condition.

SPECIFICATIONS

Product Identification—F Model and Later

Product Number	Description
P8000	Procedural Stretcher
P8005	Transport Stretcher
P8010	Surgical Stretcher
P8020	Electric Stretcher
P8040	Trauma Stretcher
P8050	OB/GYN Stretcher

Dimensions

Feature	Dimension
Total Length	
P8020, and P8040	83" (2108 mm)
P8000 and P8005	83" (2108 mm) without the integrated oxygen tank storage system 84.5" (2146 mm) with the integrated oxygen tank storage system
P8010	92" (2337 mm)
P8050	80.125" (2035 mm)
Sleep Deck Width	
P8000 and P8005	26" or 30" (660 mm or 762 mm)
P8010 and P8040	26" (660 mm)
P8020 and P8050	30" (762 mm)
Maximum Width (siderails stored)	
P8000	29.25" (743 mm) or 33.25" (845 mm)
P8005	30.375" (771.53 mm) or 34.375" (873.13 mm)
P8010 and P8040	29.25" (743 mm)
P8020 and P8050	33.25" (845 mm)
Maximum Width (siderails up)	
P8000 and P8005	32" (813 mm) or 36" (914 mm)
P8010 and P8040	32" (813 mm)
P8020 and P8050	36" (914 mm)
Siderail Height above Sleep Deck (maximum)	
P8000, P8010 and P8020	14.5" (368 mm)
P8005	14" (356 mm)
P8040	11" (279 mm)
P8050	13" (330 mm)
Siderail Length	
P8000, P8005, P8010, P8020, and P8040	47" (1194 mm)
P8050	37" (940 mm)
Under-Stretcher Clearance (minimum)	3.5" (89 mm) nominal 1.125" (29 mm) under the hydraulic cylinders
Wheel Base (foot print)	24" x 50.5" (610 mm x 1283 mm)
Mattress Dimensions	
P8000 and P8005	26" x 75" (660 mm x 1905 mm) or 30" x 75" (762 mm x 1905 mm)
P8010	26" x 78" (660 mm x 1981 mm)
P8020	30" x 75" (762 mm x 1905 mm)
P8040	26" x 75" (660 mm x 1905 mm)
P8050	30" x 72" (762 mm x 1829 mm)
Mattress Thickness	3", 4", or 5" (76 mm, 102 mm, or 127 mm)

Feature	Dimension
Mattress Weight	
3" (76 mm) mattress, standard	13.0 lb (5.9 kg)
3" (76 mm) mattress, wide	13.5 lb (6.1 kg)
4" (102 mm) mattress, standard	14.5 lb (6.6 kg)
4" (102 mm) mattress, wide	15.0 lb (6.8 kg)
5" (127 mm) **Comfortline** Mattress, standard	12.0 lb (5.4 kg)
5" (127 mm) **Comfortline** Mattress, wide	15.5 lb (7.0 kg)
OB/GYN mattress	14.0 lb (6.4 kg)
5" (127 mm) **Accumax Quantum** Stretcher Pad Mattress, standard	25 lb (11.3kg)
5" (127 mm) **Accumax Quantum** Stretcher Pad Mattress, wide	30lb (13.6kg)
Caster Size	8" (203 mm) standard
Total Weight without Mattress, No Accessories	
P8000 and P8005	265.0 lb (120.2 kg)
P8010	285.0 lb (129.3 kg)
P8020	355.0 lb (161.0 kg)
P8040	290.0 lb (131.5 kg)
P8050	325.0 lb (147.4 kg)
P8000 with the **IntelliDrive** Transport System	Add 175 lb (79 kg) ± 5 lb (2 kg)
Foot Section Inclination—P8020 (minimum)	90°
Foot Support Inclination—P8050	70°
Head Section Inclination (maximum)	90° (65° for P8020 with patient controls; 80° for P8000 with Automatic Contour; 70° for P8010)
Knee Section Inclination (maximum)	
P8005 and some P8000	N/A
P8010, P8020, and some P8000	25°
Sleep Surface Height, Lowest Position (maximum)	
P8000	20.5" (521 mm) with scale, without the integrated oxygen tank storage system 22" (559 mm) with scale, with the integrated oxygen tank storage system 20.7" (526 mm) without scale
P8000 with the **IntelliDrive** Transport System	23" (584 mm) with scale 21.7" (551 mm) without scale
P8005	23" (584 mm) (F and G models built before July 2008) 20.5" (521 mm) (F and G models built after June 2008)
P8010	21.5" (546 mm)
P8020	22.5" (572 mm)
P8040 and P8050	24.25" (616 mm)

Feature	Dimension
Sleep Surface Height, Highest Position (minimum)	
P8000, P8005, and P8020	34.25" (870 mm)
P8010	33.25" (845 mm)
P8040	37.5" (953 mm)
P8050	37" (940 mm)
Trendelenburg Position (minimum)	12°
Trendelenburg Position (maximum)	18°
Reverse Trendelenburg Position (minimum)	12°
Reverse Trendelenburg Position (maximum)	18°
Safe Working Load (includes patient weight, accessories, and mattress)	700 lb (317.5 kg)
Patient weight range	32 kg to 227 kg (70 lb to 500 lb)

Environmental Conditions for Transport and Storage

Condition	Range
Stretchers	
Temperature	-40°F to 158°F (-40°C to 70°C)
Relative Humidity	10% to 95% non-condensing maximum
Atmospheric Pressure	500 hPa to 1060 hPa
Exam Light	
Temperature	-4°F to 120°F (-20°C to 49°C)
Relative Humidity	95% non-condensing maximum
Atmospheric Pressure	500 hPa to 1060 hPa

Environmental Conditions for Use

Condition	Range
Stretchers	
Temperature	50°F to 95°F (10°C to 35°C) ambient temperature
Relative Humidity	30% to 70% non-condensing
Atmospheric Pressure	700 hPa to 1060 hPa
Altitude	Medical electric equipment rated to operate at an altitude of less than 9842.5' (3000 m)
Exam Light	
Temperature	59°F to 104°F (15°C to 40°C) ambient temperature
Relative Humidity	75% non-condensing maximum
Atmospheric Pressure	500 hPa to 1060 hPa
IntelliDrive Transport System	
Temperature	50°F to 104°F (10°C to 40°C) ambient temperature
Relative Humidity	10% to 95% non-condensing maximum
Atmospheric Pressure	700 hPa to 1060 hPa

AC Power Requirements

Condition	Range
120 V Stretchers	
Rated Voltage	120 V ~
Power/input	7.0 A
Frequency	50/60 Hz
230 V Stretchers	
Rated Voltage	230 V ~
Power/input	3.0 A
Frequency	50/60 Hz
Exam Light	
Rated Voltage	120 V ~
Power/input	400 mA
Frequency	50/60 Hz

Scale Power Requirement

Condition	Range
Battery Quantity and Type	Three AA, 1.5 V, alkaline
AC Power	
Rated Voltage	120 V ~
Power/input	2.3 A
Frequency	60 Hz

IntelliDrive Transport System Power Requirement

Condition	Range
Battery Quantity and Type	Three 12 V, 33Ah, sealed, lead/acid
AC Power	
Rated Voltage	120 V ~
Power/input	2.3 A
Frequency	60 Hz

Fuse Specifications

There are no user accessible fuses. Refer to the *Hillrom Transport, Procedural, and Specialty Stretchers Service Manual* (144386) for fuse ratings and replacement procedures.

Applied Parts (in accordance with IEC 60601-1)

Siderails	Patient controls (P8020 model only)
Headboard and footboard (when applicable)	Sleep deck

Classification and Standards

Classification	Standard
Stretchers	
Technical and Quality Assurance Standards	Directive 93/42/EEC until May 25, 2021 Regulation (EU) 2017/745 regulation by May 26, 2021 UL 60601-1 **CSA** C22.2 No. 601.1 EN 60601-1 IEC 60601-1-2 (P8000 with the **IntelliDrive** Transport System and P8020) IEC 60601-1-4 (P8000 with the **IntelliDrive** Transport System) IEC 60601-2-38 IEC 60601-1 3rd Edition (H model and newer of the P8000 without the **IntelliDrive** Transport System, P8005, and P8040) ISO 13485 ISO 14971 ISO 10993-1 ISO 10993-5 ISO 10993-10
Equipment Classification per IEC 60601-1 (P8000 with the **IntelliDrive** Transport System and P8020)	Class I
Degree of Protection Against Electric Shock (P8000 with the **IntelliDrive** Transport System and P8020)	Type B
Classification according to EU Directive 93/42/EEC and EC Regulation 2017/745	Class I
Degree of Protection Against Ingress of Water (P8000 with the **IntelliDrive** Transport System, P8020, and the Scale enclosure)	IPX4 IEC 60529
Degree of Protection Against the Presence of Flammable Anaesthetic Mixtures	Not for use with flammable anaesthetics (P8000 with the **IntelliDrive** Transport System and P8020)
Mode of Operation (P8020) P8000 with the **IntelliDrive** Transport System)	Continuous operation with intermittent cooling 3 minutes On/15 minutes Off (120 V model) 3 minutes On/30 minutes Off (230 V model) 6 minutes On/24 minutes Off
Sound Level (measured 1 meter from patient's ear)	< 52 dBA (P8020) < 73 dBA (P8000 with the **IntelliDrive** Transport System; during transport) 77 dBA (P8000 with the **IntelliDrive** Transport System; when the drive wheel moves to the transport position)

Classification	Standard
Exam Light	
Technical and Quality Assurance Standards	IEC 60601-1 UL 60601-1 CAN/**CSA** C22.2 No. 601.1 IEC 60601-1-2 (radiated and conducted emissions)
Equipment Classification per IEC 60601-1	Class I
Degree of Protection Against Electric Shock	Not applicable
Classification according to EU Directive 93/42/EEC	Not applicable
Degree of Protection Against Ingress of Water	IPX0, ordinary equipment not rated for fluid ingress
Degree of Protection Against the Presence of Flammable Anaesthetic Mixtures	Not for use with flammable anaesthetics
Mode of Operation	Continuous operation
Sound Level (measured 1 meter from patient's ear)	Not applicable
Radiolucent Surface and the Upright Chest X-Ray Cassette Holder	
P8000, P8005, and P8040 Stretcher models	Associated equipment conforms to IEC 60601-2-54:2009
P8050 Stretcher model	Associated equipment conforms to IEC 60601-2-32:1994
P8000, P8005, P8040, and P8050 Stretcher models	Associated equipment conforms to all applicable standards of 21 CFR 1020
Aluminum equivalency of Radiolucent Surface panel	Associated equipment conforms to standard 21 CFR 1020.30 (n) 1.7 mm maximum

Flammability Codes—United States, Canada, and Europe

All recommended sleep surface mattresses meet the applicable United States, Canadian, and European flammability specifications.

Electromagnetic Compatibility Guidance

CAUTION:

This device meets all requirements for electromagnetic compatibility per IEC 60601-1-2. It is unlikely that the user will encounter problems with this device because of inadequate electromagnetic immunity. However, electromagnetic immunity is always relative, and standards are based on anticipated environments of use. If the user observes unusual device behavior, particularly if such behavior is intermittent and associated with nearby use of radio or TV transmitters, cell phones, security systems (e.g. electromagnetic anti-theft systems, and metal detectors), radio-frequency identification (RFID) readers, near-field communications (NFC) systems, wireless power transfer (WPT) or electro-surgical equipment (e.g. diathermy and electrocautery), this could be an indication of electromagnetic-interference. If such behavior occurs, the user should try to move the interfering equipment further from this device.

WARNING:

Warning—To help prevent injury and/or equipment damage, obey these **warnings**:

- The P8000 Stretcher should not be used adjacent to or stacked with other equipment.
- Observe to make sure that the system and the stacked equipment operate as intended, if adjacent or stacked use in necessary.
- Observe to make sure the system operates properly when used near portable and mobile radio frequency (RF) communications equipment, as these can affect electrical equipment.

Medical equipment needs special precautions in regard to electromagnetic compatibility (EMC) and needs to be installed and put into service according to the EMC information supplied in the tables that follow.

Electromagnetic Emissions Guidance

<table>
<tr><th colspan="3">Guidance and Manufacturer's Declaration—Electromagnetic Emissions</th></tr>
<tr><td colspan="3">The P8020 and the P8000 with the IntelliDrive Transport System are intended for use in the electromagnetic environment specified below. The customer or the user of these stretchers should make sure they are used in such an environment.</td></tr>
<tr><th>Emissions Test</th><th>Compliance</th><th>Electromagnetic Environment—Guidance</th></tr>
<tr><td>RF Emissions
CISPR 11</td><td>Group 1</td><td rowspan="4">These stretchers use RF energy only for its internal functions. Therefore, its RF emissions are low and are not likely to cause any interference in nearby electronic equipment.

These stretchers are suitable for use in all establishments, other than domestic establishments, and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.</td></tr>
<tr><td>RF Emissions
CISPR 11</td><td>Class A</td></tr>
<tr><td>Harmonic Emissions
IEC 61000-3-2</td><td>Not Applicable
(P8020)

Class A
(P8000 with the IntelliDrive Transport System)</td></tr>
<tr><td>Voltage Fluctuations/
Flicker Emissions
IEC 61000-3-3</td><td>Not Applicable
(P8020)

Complies
(P8000 with the IntelliDrive Transport System)</td></tr>
<tr><td colspan="3">NOTE: The emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or reorienting the equipment.

Refer to “Intended Use” on page 1 to determine the bed’s use environment.</td></tr>
</table>

Electromagnetic Immunity Guidance

Guidance and Manufacturer's Declaration - Electromagnetic Immunity			
The P8020 and the P8000 with the IntelliDrive Transport System are intended for use in the electromagnetic environment specified below. The customer or the user of these stretchers should make sure they are used in such an environment.			
Immunity Test	**IEC 60601-1-2 Test Level**	**Compliance Level**	**Electromagnetic Environment—Guidance**
Electrostatic Discharge (ESD) IEC 61000-4-2	± 8 kV Contact ± 2 kV, ± 4 kV, ±8 kV, and ± 15 kV Air	± 8 kV Contact ± 2 kV, ± 4 kV, ±8 kV, and ± 15 kV Air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical Fast Transient/Burst IEC 61000-4-4	± 2 kV (100 kHz repetition frequency) for Power Supply Lines	± 2 kV (100 kHz repetition frequency) for Power Supply Lines	Mains power quality should be that of a typical hospital environment.
Surge IEC 61000-4-5	± 0.5 kV, ± 1 kV Line(s) to Line(s) ± 0.5 kV, ± 1 kV,± 2 kV Line(s) to Ground	± 0.5 kV, ± 1 kV Line(s) to Line(s) ± 0.5 kV, ± 1 kV,± 2 kV Line(s) to Ground	Mains power quality should be that of a typical hospital environment.
Voltage Dips IEC 61000-4-11	0% UT: 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% UT: 1 cycle and 70% UT: 25/30 cycles Single phase: at 0° (See Note)	0% UT: 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% UT: 1 cycle and 70% UT: 25/30 cycles Single phase: at 0° (See Note)	Mains power quality should be of a typical commercial or hospital environment. If the user of these stretchers requires continued operation during power mains interruption, it is recommended that these stretchers be powered from an uninterruptible power supply or a battery.
Voltage Interruption IEC 61000-4-11	0% UT: 250/300 cycles	0% UT: 250/300 cycles	
Power Frequency Magnetic Fields IEC 61000-4-8	3 A/m 50Hz & 60 Hz	3 A/m 50Hz & 60 Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical hospital environment.

Electromagnetic Immunity Guidance

Guidance and Manufacturer's Declaration - Electromagnetic Immunity			
The P8020 and the P8000 with the IntelliDrive Transport System are intended for use in the electromagnetic environment specified below. The customer or the user of these stretchers should make sure they are used in such an environment.			
Immunity Test	**IEC 60601 Test Level**	**Compliance Level**	**Electromagnetic Environment—Guidance**
Conducted RF IEC 61000-4-6*	3 V 0.15 MHz - 80 MHz 6 V in ISM bands between 0.15 MHz and 80 MHz 80% AM at 1 kHz	3 V 0.15 MHz - 80 MHz 6 V in ISM bands between 0.15 MHz and 80 MHz 80% AM at 1 kHz	Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey[a], should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol. 
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.7 GHz 80% AM at 1 kHz	10 V/m 80 MHz to 2.7 GHz 80% AM at 1 kHz	
Proximity Magnetic Fields IEC 61000-4-39	30 kHz , CW, 8 A/m 134.2 kHz, 50% Pulse at 2.1 kHz, 65 A/m 13.56MHz, 50% Pulse at 50 kHz, 7.5 A/m	30 kHz , CW, 8 A/m 134.2 kHz, 50% Pulse at 2.1 kHz, 65 A/m 13.56MHz, 50% Pulse at 50 kHz, 7.5 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical hospital environment.
• These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people. • UT is the AC mains voltage prior to the application of the test level.			

a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which these stretchers are used exceeds the applicable RF compliance level above, these stretchers should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating these stretchers.

Recommended separation distances between portable and mobile RF communications equipment and these models: the P8020 and the P8000 with the IntelliDrive Transport System

The P8020 and the P8000 with the IntelliDrive Transport System are intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of these stretchers can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and these stretchers as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter, W	**Separation distance according to frequency of transmitter, m**		
	150 kHz to 80 MHz $d = 1.2\sqrt{P}$	80 MHz to 800 MHz $\boldsymbol{d = 1.2\sqrt{P}}$	800 MHz to 2.5 GHz $d = 2.33\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance ***d*** in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

NOTES:

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