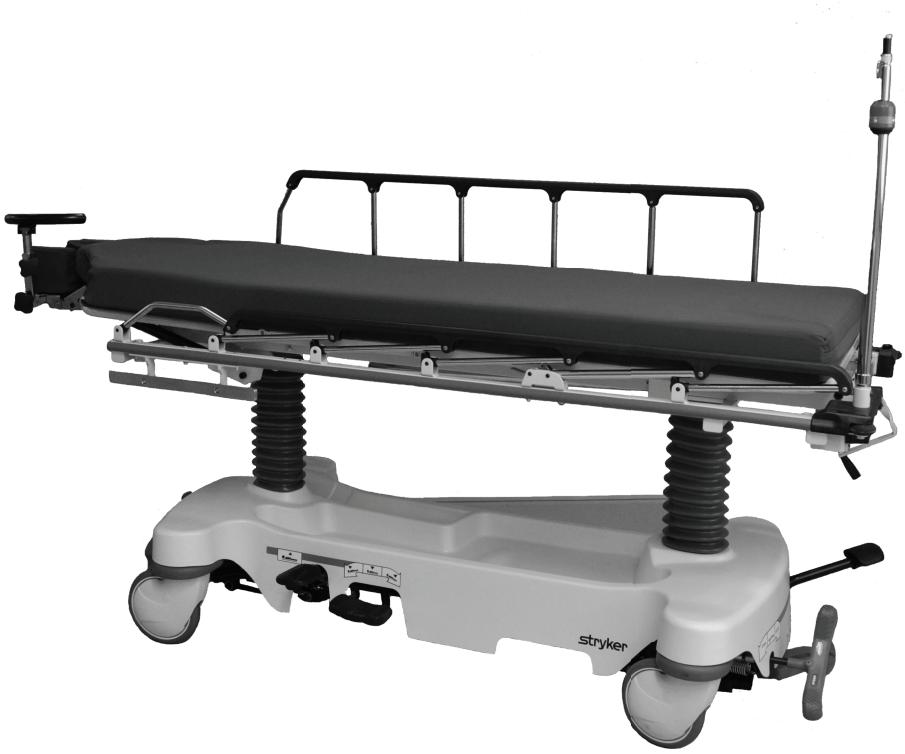
Eye Surgery Stretcher

Operations Manual

REF 1089



EN

1089-109-001 Rev AA.0 2021-12

Symbols

	Consult instructions for use
	General warning
	Caution
	No pushing
	Do not store the oxygen bottle
REF	Catalogue number
SN	Serial number
US Patents	For US Patents see www.stryker.com/patents
CE	CE mark
EC REP	Authorized representative in the European Community
MD	European medical device
	Manufacturer
	Date of manufacture
	Safe working load
	Importer
	Lubricate
	Type B applied part

Table of Contents

Warning/Caution/Note Definition

The words **WARNING**, **CAUTION**, and **NOTE** carry special meanings and should be carefully reviewed.

WARNING

Alerts the reader about a situation which, if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

CAUTION

Alerts the reader of a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the product or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.

Note - Provides special information to make maintenance easier or important instructions clearer.

Summary of safety precautions

Always follow the warnings and cautions listed on this page. Service only by qualified personnel.

WARNING

- Always allow the product to reach room temperature before you set up the product or test functional operations. Permanent product damage may occur.
- Always operate the product when all operators are clear of the mechanisms.
- Always apply the brakes when a patient is getting on the product or off the product or when the product is not moving. Injury could result if the product moves while a patient is getting on the product or off the product.
- Always put the product in the lowest position with the siderails up and latched when you leave a patient unattended on the product. Do not leave the product at a higher height.
- Always remove any devices that may be in the way before you raise or lower the litter.
- Do not sit on the end of the product. The product may tip.
- Always keep patient and operator extremities away from siderail spindles when you raise or lower the siderail.
- Always position the patient in the center of the product.
- Always lock the siderails in the full up position with the sleep surface flat in the lowest position when you transport a patient.
- Always keep patient and operator extremities away from siderail spindles when you raise or lower the siderails.
- Do not allow the siderails to lower on their own.
- Always keep hands and fingers clear of the Fowler release handles and the Fowler frame when you lower the Fowler backrest.
- Always use caution when you raise a pneumatic Fowler while a patient is on the product. Use proper lifting techniques and get assistance, if necessary.
- Always support the patient’s head when you position the headpiece or the Fowler backrest. Patient injury may occur.
- Do not reach between the side of the head extension and the articulating headpiece to pull the release handles. Operator injury may occur.
- Always keep fingers away from jointed areas when you adjust the headpiece. Operator injury may occur.
- Always apply the brakes on both the product with the patient and the product the patient will be transferred to before you transfer a patient from one patient support platform (bed, stretcher, gurney, operating table) to another patient support platform.
- Always make sure that the patient support platforms are the same height before you transfer a patient.
- Always make sure that the transfer board is secure on both patient support platforms.
- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray. Always strap down all devices that you place on the defibrillator tray.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray/foot extender. Always strap down all devices that you place on the defibrillator tray.
- Do not use the IV pole as a push/pull device. Product damage may occur.
- Do not place objects that exceed 40 lb (18 kg) in the upright oxygen bottle holder.
- Do not place objects that exceed 30 lb (14 kg) on the serving tray.
- Always use caution when you attach the restraint straps to avoid potential injury to both patients and operators. Physical restraints, even if properly secured, may result in serious harm to patients and operators, including entanglement, entrapment, physical injury, or death.
- Only attach restraint straps or devices at the identified attachment points of the product. Failure to do so may result in patient or operator injury. Do not attach restraints straps to the siderail.
- Always refer to the applicable state and federal restrictions and the appropriate facility protocols before you use any restraint strap or device.
- Do not clean, service, or perform maintenance while the product is in use.
- Do not immerse the mattress in cleaning or disinfectant solutions. Excess moisture could cause product malfunction that results in product damage or patient injury.
- Do not allow fluid to pool on the mattress. Fluids can cause corrosion of components and may cause the safety and performance of this product to become unpredictable.
- Always inspect mattress covers for tears, punctures, excessive wear, and misaligned zippers every time you clean the covers. Remove and replace a damaged mattress to prevent cross-contamination.
- Do not steam clean, pressure wash, hose off, or ultrasonically clean mattresses. These methods of cleaning may void the product's warranty.
- Do not steam clean, hose off, or ultrasonically clean the product. Use of these methods of cleaning is not recommended and may void the product's warranty.
- Always disinfect the mattress between patients. Failure to do so could result in cross-contamination and infection.

CAUTION

- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.
- Do not use the hydraulics on the base to raise the product with a patient lift under the product.
- Do not place objects that exceed 60 lb (27 kg) in the base hood.
- Do not sit, step, or stand on the base hood.
- The maximum PSI level for the drape support/oxygen tubing is 20 PSI (1.38 Bars/140 KPA).
- Always raise the IV pole before you attach the defibrillator tray/foot extender to the product. If you do not raise the IV pole, the foot extender will not operate.
- Do not use the IV pole as a push/pull device. Product damage may occur.
- Do not hang IV bags that exceed 40 lb (18 kg) on the IV pole.
- Always make sure that the IV pole is at a low height to pass through door openings when you transport a patient.

Introduction

This manual assists you with the operation or maintenance of your Stryker product. Read this manual before operating or maintaining this product. Set methods and procedures to educate and train your staff on the safe operation or maintenance of this product.

CAUTION

- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.

Note

- This manual is a permanent part of the product and should remain with the product even if the product is sold.
- Stryker continually seeks advancements in product design and quality. This manual contains the most current product information available at the time of printing. There may be minor discrepancies between your product and this manual. If you have any questions, contact Stryker Customer Service or Technical Support at 1-800-327-0770.

Product description

The Stryker Model 1089 Eye Surgery Stretcher is a wheeled stretcher that consists of a platform mounted on a wheeled frame and is designed to transport patients in a horizontal position within the interior of a healthcare facility. Intended operators include health professionals and trained representatives of the user facility. The device has a dual articulating, contoured or flat, head-piece to support the patient during procedures. The device has siderails, supports for fluid infusion equipment, and various options and accessories that assist with the support and position of the patient and transport of the patient.

Indications for use

The Eye Surgery Stretcher is a wheeled device that provides a method of transporting patients within a healthcare facility. The device has a dual-articulating headpiece and enhanced head end clearance for surgical access. The stretcher may be used for minor procedures and short-term stay, typical of existing stretcher applications, including outpatient clinical evaluation, treatment, minor procedures, and outpatient recovery.

The Eye Surgery Stretcher is intended for all use in all acute care hospitals and medical outpatient services. The product has a safe working load up to 500 lb (225 kg).

The Eye Surgery Stretcher is not intended to be used for long-term inpatient treatment and recovery.

Clinical benefits

Patient transport and facilitate treatment

Contraindications

None known.

Expected service life

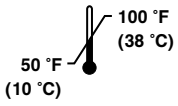
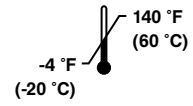
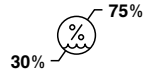
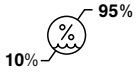
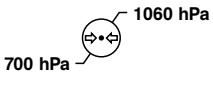
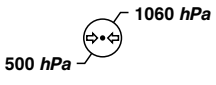
The Stryker Model 1089 Eye Surgery Stretcher has a 10 year expected service life under normal use conditions and with appropriate periodic maintenance.

Disposal/recycle

Always follow the current local recommendations and/or regulations governing environmental protection and the risks associated with recycling or disposing of the equipment at the end of its useful life.

Specifications

⚠ Safe working load indicates the sum of the patient, mattress and accessory weight		500 lb	225 kg
Overall length		90 in.	228.6 cm
Overall width		31.5 in.	80 cm
Height	High	34 in.	86.4 cm
	Low	22.25 in.	56.5 cm
Litter positioning	Backrest	0° to 90°	
	Knee Gatch	0° to 30°	
	Trendelenburg/Reverse Trendelenburg	±18°	
Patient surface		26 in. x 87 in.	66 cm x 221 cm
Siderails		13 in. x 55 in.	33 cm x 139.5 cm
Minimum under product clearance		6 in. nominal	15 cm
		1.75 in. under the hydraulic cylinders and fifth wheel	4.5 cm

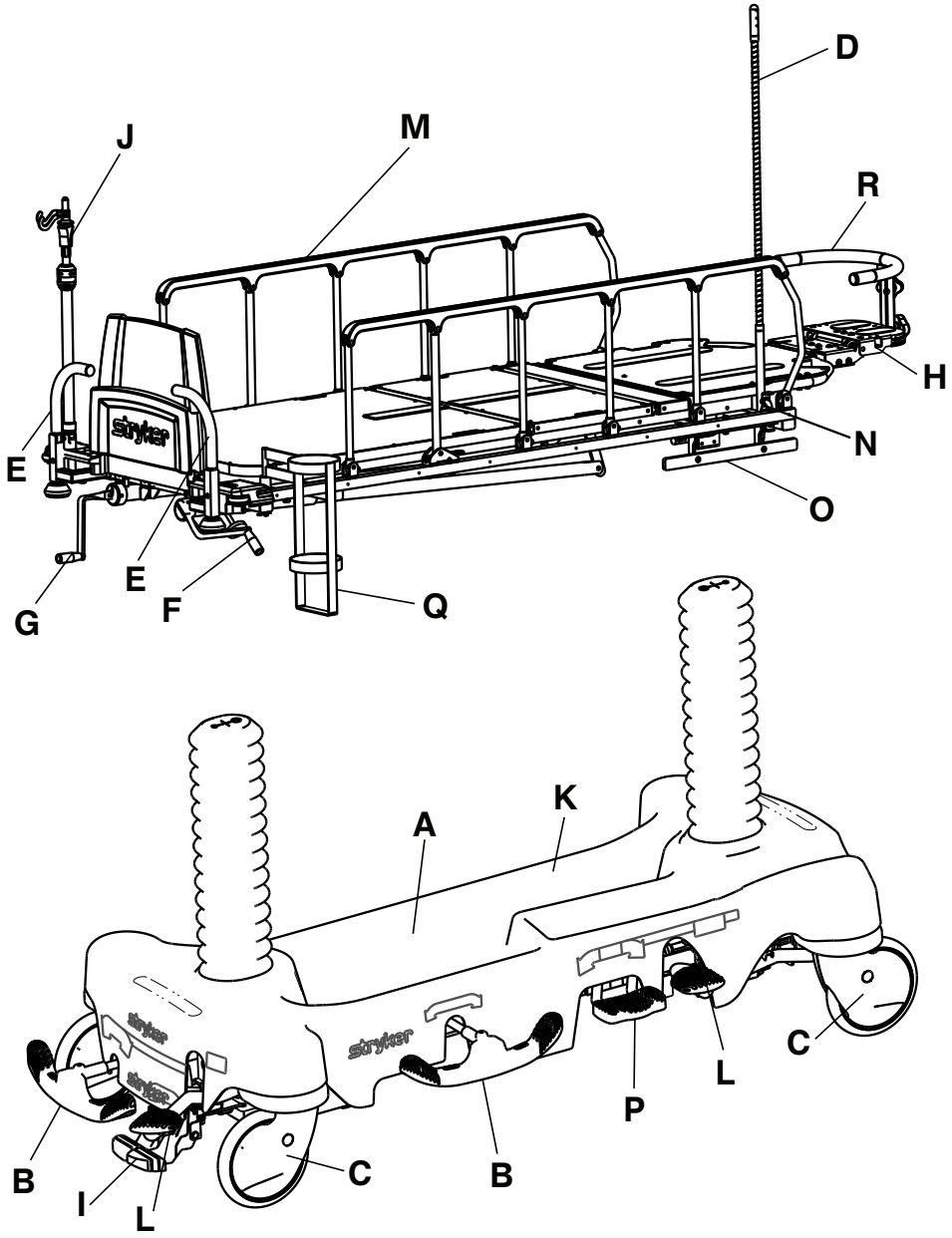
Environmental conditions	Operation	Storage and transportation
Temperature		
Relative humidity		
Atmospheric pressure		

In accordance with the European REACH regulation and other environmental regulatory requirements, the components that contain declarable substances are listed.

Description	Number	Substance of very high concern (SVHC) chemical name
IV pole assembly, foot end	1089-080-000	Lead
Two-stage IV pole assembly	1211-210-010	Lead

Stryker reserves the right to change specifications without notice.

Product illustration



A	Base hood storage area	J	IV pole
B	Brake/steer pedal	K	Oxygen bottle cutout

C	Caster	L	Pump pedal
D	Drape support and air delivery system	M	Siderail
E	Foot end push handles	N	Siderail latch
F	Fowler backrest crank handle	O	Surgery accessory rail
G	Gatch crank handle	P	Uni-lower pedal
H	Head extension	Q	Upright oxygen bottle holder
I	Hydraulic release pedal	R	Wrist rest

Contact information

Contact Stryker Customer Service or Technical Support at: 1-800-327-0770.

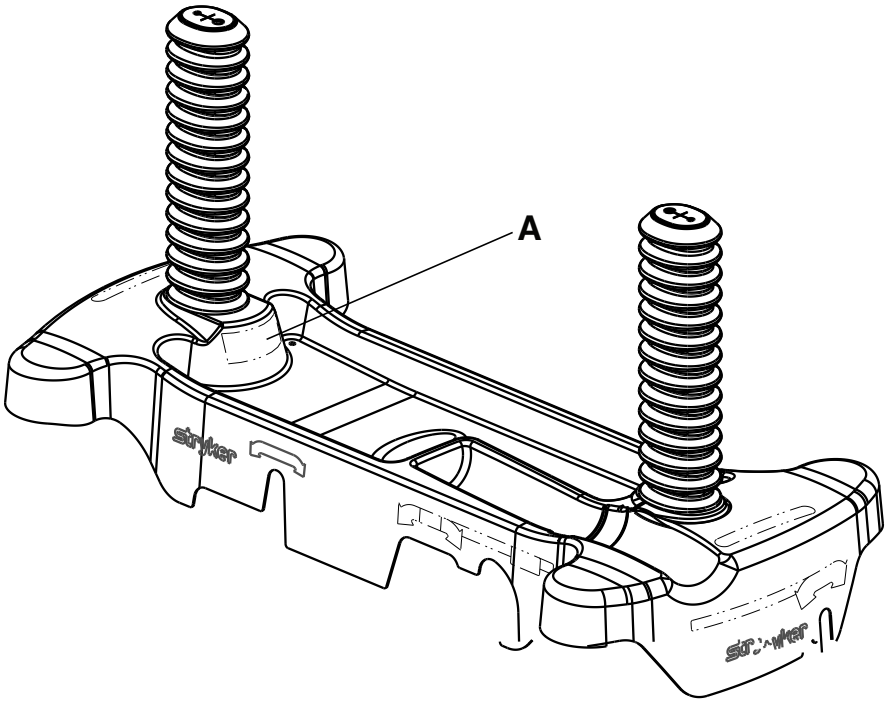
Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA

Note - The user and/or the patient should report any serious product-related incident to both the manufacturer and the Competent authority of the European Member State where the user and/or patient is established.

To view your operations or maintenance manual online, see https://techweb.stryker.com/.

Have the serial number (A) of your Stryker product available when calling Stryker Customer Service or Technical Support. Include the serial number in all written communication.

Serial number location



Setup

To unpack your product, see the unpacking instructions that are attached to the product inside of the shipping crate.

WARNING

- Always allow the product to reach room temperature before you set up the product or test functional operations. Permanent product damage may occur.
- Always operate the product when all operators are clear of the mechanisms.

Make sure that the product is working before you put the product into service.

1. Press down on the brake pedal to apply the brakes. Make sure that all four casters are locked.
2. Raise and lower the litter.
3. Raise the product to the highest height. Put the product in the Trendelenburg position. Make sure that the head end lowers to the lowest position.
4. Raise the product to the highest height. Put the product in the Reverse Trendelenburg position. Make sure that the foot end lowers to the lowest position.
5. Apply the fifth wheel to make sure that the fifth wheel is guides and pivots the product.
6. Make sure that the siderails raise, lower, and lock in place.
7. Raise and lower the Fowler backrest (head end).
8. Rotate the headpiece in both directions to make sure that the headpiece adjusts to all positions.

Operation

Applying and releasing the brakes

WARNING - Always apply the brakes when a patient is getting on the product or off the product or when the product is not moving. Injury could result if the product moves while a patient is getting on the product or off the product.

To apply the brakes, push down on the brake (red) side of the brake/steer pedal. Push on the product to make sure that the brakes work.

To release the brakes, push down on the steer (green) side of the brake/steer pedal.

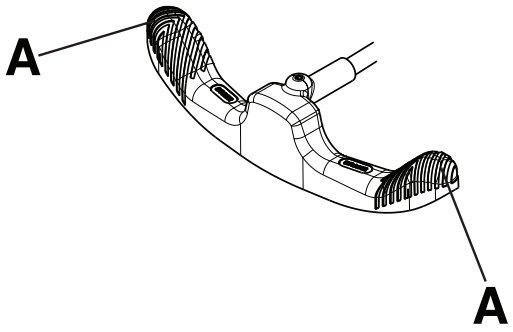


Figure 1 – Operating the brake/steer pedal

Note - Do not push down on the center of the brake/steer pedal. Always push down on the outer side (A) of the brake/steer pedal (Figure 1).

Raising or lowering the litter

WARNING

- Always put the product in the lowest position with the siderails up and latched when you leave a patient unattended on the product. Do not leave the product at a higher height.
- Always remove any devices that may be in the way before you raise or lower the litter.
- Do not sit on the end of the product. The product may tip.
- Always keep patient and operator extremities away from siderail spindles when you raise or lower the siderail.

To raise the litter, press down on the pump pedal (A) until you achieve the desired height (Figure 2).

To lower the entire litter, press on the center of the uni-lower pedal (C).

To lower the head end of the litter, press down on the foot end release pedal (D) or press on the side of the uni-lower pedal (C) closest to the head end of the product.

To lower the foot end of the litter, press down on the foot end release pedal (B) or press on the side of the uni-lower pedal (C) closest to the foot end of the product.

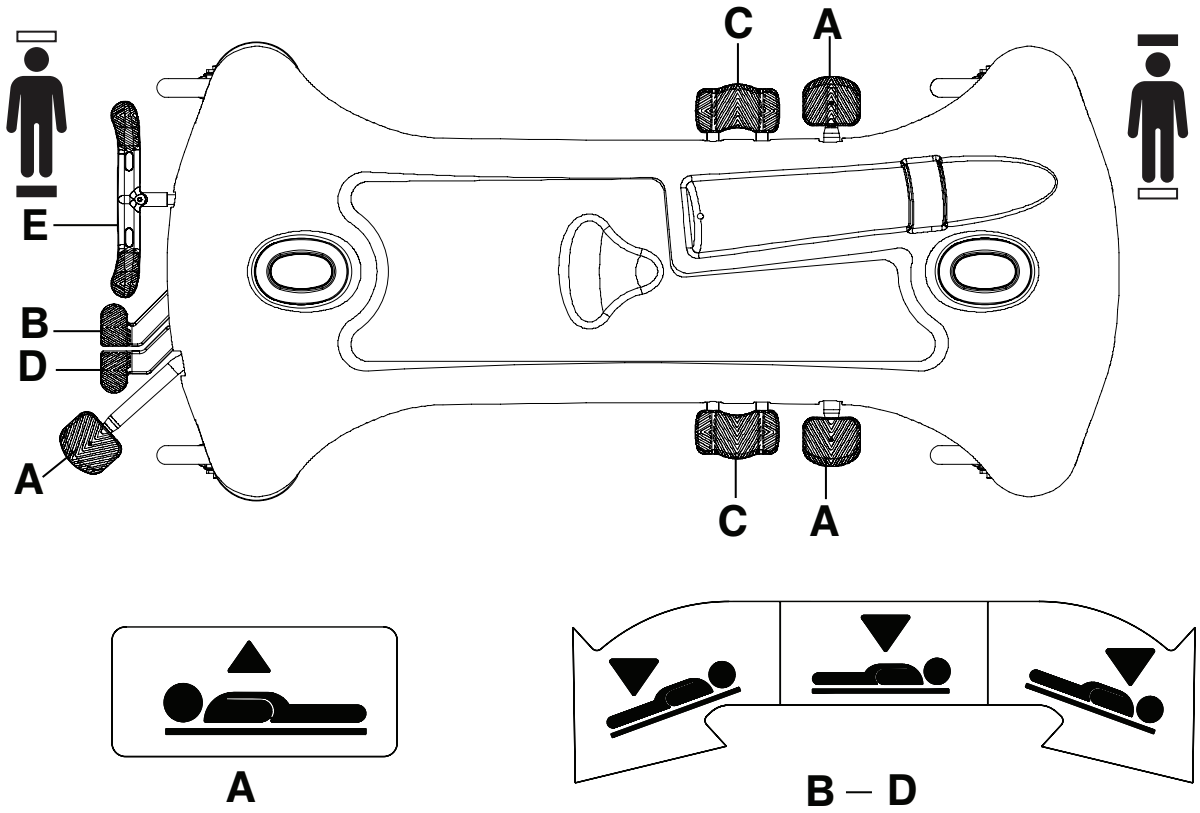


Figure 2 – Raising or lowering the litter

Positioning the product in Trendelenburg

WARNING - Always remove any devices that may be in the way before you raise or lower the litter.

CAUTION - Do not use the hydraulics on the base to raise the product with a patient lift under the product.

To position the product in the Trendelenburg position (head down), Raise the litter (*Raising or lowering the litter* (page 10)).

Note - Raise the litter to the highest height for a greater Trendelenburg angle.

To lower the head end of the product, press down on the foot end release pedal (D) or press down on the side of the uni-lower pedal (C) closest to the head end until the litter is flat (Figure 2).

To lower the product from Trendelenburg position, press down on the foot end release pedals (B and D) at the same time or press down on the center of the uni-lower pedal (C) until the litter is flat.

Positioning the product in Reverse Trendelenburg

WARNING - Always remove any devices that may be in the way before you raise or lower the litter.

CAUTION - Do not use the hydraulics on the base to raise the product with a patient lift under the product.

To position the product in the Reverse Trendelenburg position (foot down), raise the litter to the highest height (*Raising or lowering the litter* (page 10)).

To lower the foot end of the product, press down on the foot end release pedal (B) or press down on the side of the uni-lower pedal (C) to the foot end (Figure 2).

To lower the product from Reverse Trendelenburg position, press down on the foot end release pedals (B and D) at the same time or press down on the center of the uni-lower pedal (C) until the litter is flat.

Transporting a patient with the retractable fifth wheel

WARNING

- Always position the patient in the center of the product.
- Always remove any devices that may be in the way before you raise or lower the litter.
- Always lock the siderails in the full up position with the sleep surface flat in the lowest position when you transport a patient.

CAUTION - Do not use the hydraulics on the base to raise the product with a patient lift under the product.

To transport a patient with the retractable fifth wheel:

1. Push down on the steer side of the brake/steer pedal to apply the fifth wheel.
2. Put the pedal in the neutral position to move the product laterally. Move the product to the desired location.

   Note - Do not attempt to move the product laterally with the retractable fifth wheel applied.
3. Apply the brakes to lock the product in place.

   Note - Always make sure that the brake is released before you move the product to avoid operator or patient injury.

Raising or lowering the siderails

WARNING

- Always put the product in the lowest position with the siderails up and latched when you leave a patient unattended on the product. Do not leave the product at a higher height.
- Always lock the siderails in the full up position with the sleep surface flat in the lowest position when you transport a patient.
- Always keep patient and operator extremities away from siderail spindles when you raise or lower the siderails.
- Do not allow the siderails to lower on their own.

To raise the siderails, use two hands to grasp the siderail. Raise the siderail until the release latch clicks into place. Pull on the siderail to make sure that the siderail is locked.

To lower the siderails, pull up on the release latch. Guide the siderail to the lowest position.

Note - Do not use siderails as restraint devices to keep the patient from exiting the product. The siderails keep the patient from rolling off the product. The operator must determine the degree of restraint necessary to make sure that the patient is safe.

Raising or lowering the Fowler backrest

WARNING

- Always keep hands and fingers clear of the Fowler release handles and the Fowler frame when you lower the Fowler backrest.
- Always use caution when you raise a pneumatic Fowler while a patient is on the product. Use proper lifting techniques and get assistance, if necessary.

To raise the Fowler backrest, squeeze the Fowler release handles (A) and pull the Fowler backrest up to the desired position (Figure 3).

To lower the Fowler backrest, squeeze the Fowler release handles (A) and push the Fowler backrest down to the desired position (Figure 3).

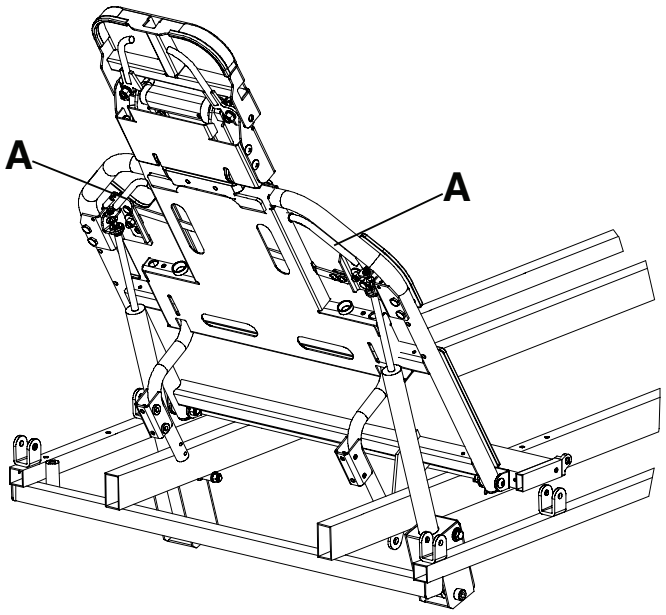


Figure 3 – Fowler backrest

Raising or lowering the Fowler backrest or the Gatch with the crank option

To raise the Fowler backrest, turn the crank handle clockwise.

To lower the Fowler backrest, turn the crank handle counterclockwise.

To raise the Gatch, turn the crank handle clockwise.

To lower the Gatch, turn the crank handle counterclockwise.

Note - The Fowler backrest and Gatch crank handles are stored under the litter. Pivot the crank out and push in to secure the crank rod.

Positioning the enhanced clearance headpiece

WARNING

- Always support the patient's head when you position the headpiece or the Fowler backrest. Patient injury may occur.
- Do not reach between the side of the head extension and the articulating headpiece to pull the release handles. Operator injury may occur.
- Always keep fingers away from jointed areas when you adjust the headpiece. Operator injury may occur.

To adjust the articulating headpiece, grasp either handle under the headpiece and squeeze.

- Handle (A) (Figure 5) releases one latch and rotates the headpiece on axis (C) (Figure 4).
- Handle (B) (Figure 5) releases the other latch and rotates the headpiece on axis (D) (Figure 4).

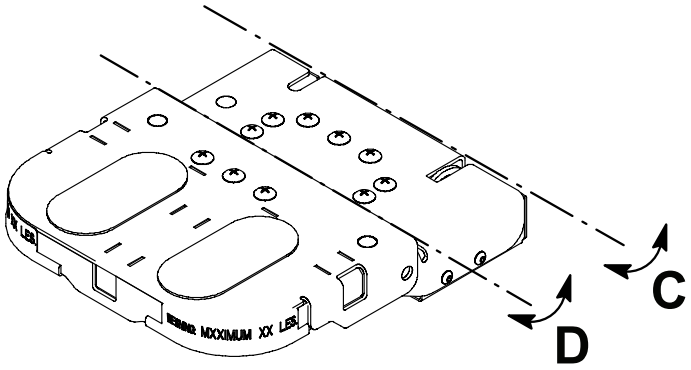


Figure 4 – Rotate the headpiece

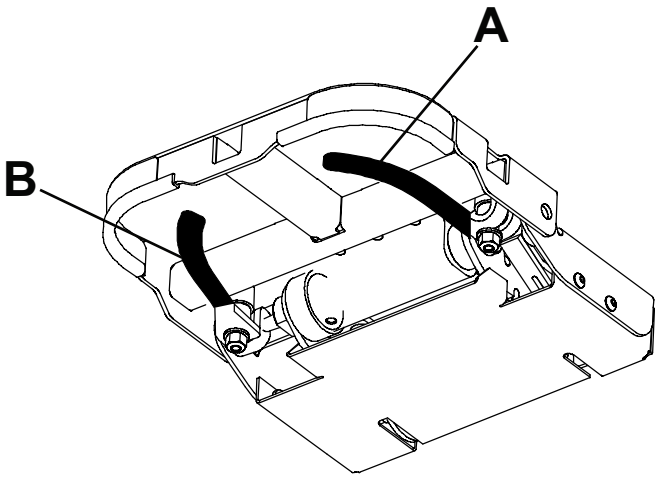


Figure 5 – Handle locations

Note - For ease of use, release only one latch at a time.

Storing objects in the base hood

CAUTION

- Do not place objects that exceed 60 lb (27 kg) in the base hood.
- Do not sit, step, or stand on the base hood.

You can store patient belongings in the base hood. Do not use the oxygen bottle holder cutout to store oxygen bottles or patient belongings.

Accessories and parts

These accessories may be available for use with your product. Confirm availability for your configuration or region. Call Stryker Customer Service: 1-800-327-0770.

Name	Part number
Air delivery and drape support	1068-168-000
Accessory rail, surgery	1089-266-000
Accessory rail, bolt on, EURO	1089-600-120
Accessory rail, bolt on, EURO	1089-600-130
Armboard clamp, adjustable	1068-056-000
Defibrillator tray	1105-045-200
Defibrillator tray/foot extender	1105-045-400
Footboard/chart holder	1105-045-500
Footboard/chart holder	1105-045-500
Headpiece, concave pad	1069-181-000
Headpiece, flat pad	1069-180-000
IV pole, two-stage, permanent	1089-080-000
IV pole, three-stage, permanent	1089-062-000
HAVASU™ IV pole, removable	0390-025-010
Mattress, Ultra Comfort, dual articulation, 4” x 26”	1069-026-090
Mattress, Enhanced Comfort, dual articulation, 3” x 26”	1069-026-070
Oxygen bottle holder, upright	1089-030-000
Oxygen bottle retainer	1037-010-090
Push handles, bolt on, foot end	1089-700-010
Restraint strap, body	0390-019-000
Restraint strap, chest	1010-058-000
Restraint strap, full package	1010-077-000
Restraint strap, package	0785-045-010
Restraint strap, wrist	0946-044-000
Serving tray	1105-045-700
Serving tray holder/footboard	1105-045-800
Siderail pads	1010-052-000
Wrist rest, superior	1068-250-000
Wrist rest, temporal	1068-251-000

Transferring a patient with the patient transfer board

WARNING

- Always apply the brakes on both the product with the patient and the product the patient will be transferred to before you transfer a patient from one patient support platform (bed, stretcher, gurney, operating table) to another patient support platform.
- Always make sure that the patient support platforms are the same height before you transfer a patient.
- Always make sure that the transfer board is secure on both patient support platforms.

To transfer a patient with a patient transfer board:

1. Apply the brakes. Push on the product to make sure that the brakes work.
2. Lower the siderail (A) to the lowest position (Figure 6).
3. Raise the transfer board (C) from the bottom while you lift from the top.

   Note - The transfer board (C) is located between the siderail (A) and the mattress (B) (Figure 6).
4. Pivot the board downward onto the mating support surface.
5. Transfer the patient to the mating support surface.

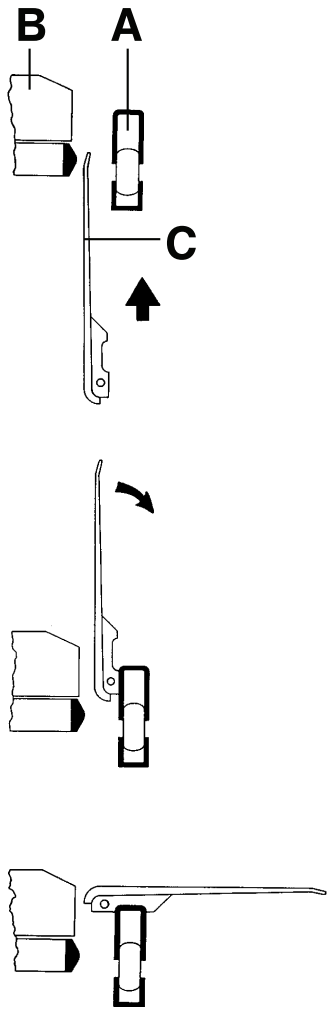


Figure 6 – Transfer the patient

Hanging devices from the surgery accessory rail

You can use the surgery accessory rail to hang devices such as pumps, Foley bags, or monitors on either side of the product.

Attaching the adjustable arm board

You can use the adjustable arm board to rest a patient's arm during a minor procedure.

To attach the arm board:

1. Slide the direct clamp onto the surgery accessory rail.
2. Insert the bar-leg support into the hole in the top of the direct clamp.
3. Tighten the clamp to secure the arm board in place.
4. Rotate the arm board to the desired position and lock in place. Make sure that the arm board is secure before you place the patient's arm on the arm board.

Installing and removing the pre-op-post-op head extension (crank Fowler backrest only)

1. To install the extension on the litter, slide the extension tube into the receptacle tube on the side of the Fowler frame. Pivot the extension upward until the extension locks in place on the headpiece frame.
2. To remove the extension from the litter, pull the red knob (A) under the extension toward you (Figure 7). Rotate the extension downward and pull the extension straight out of the socket.

Note

- The pre-op and post-op head extensions provide additional litter surface to protect the patient's head during transport.
- The head extension can be used as push handles when you move the product.

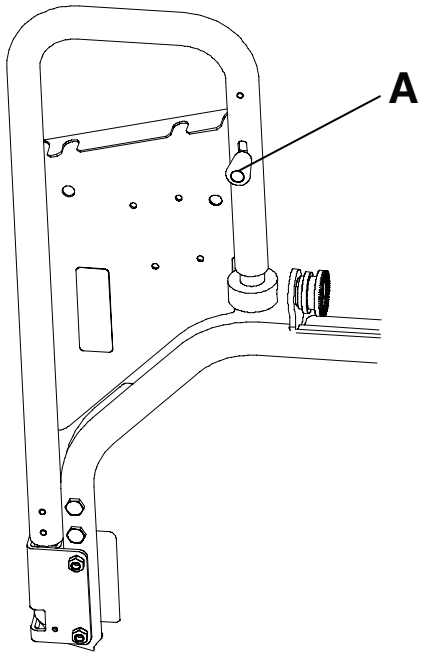


Figure 7 – Red knob location

Positioning the wrist rest

There are two optional wrist rests available:

- Standard (1)
- Temporal (2)

To position the wrist rest (Figure 8):

1. Insert the support tube (A) into the socket in the Fowler backrest head piece assembly.
2. Turn the knob (B) clockwise to secure the wrist rest assembly.
3. Turn the knob (C) counterclockwise to loosen it.
4. Raise or lower the wrist rest to the desired height.
5. Turn the knob clockwise to tighten the knob and hold the wrist rest in place.

Note - The "U" shaped rest (D) can be pivoted up and away from the patient when the wrist rest is not in use.

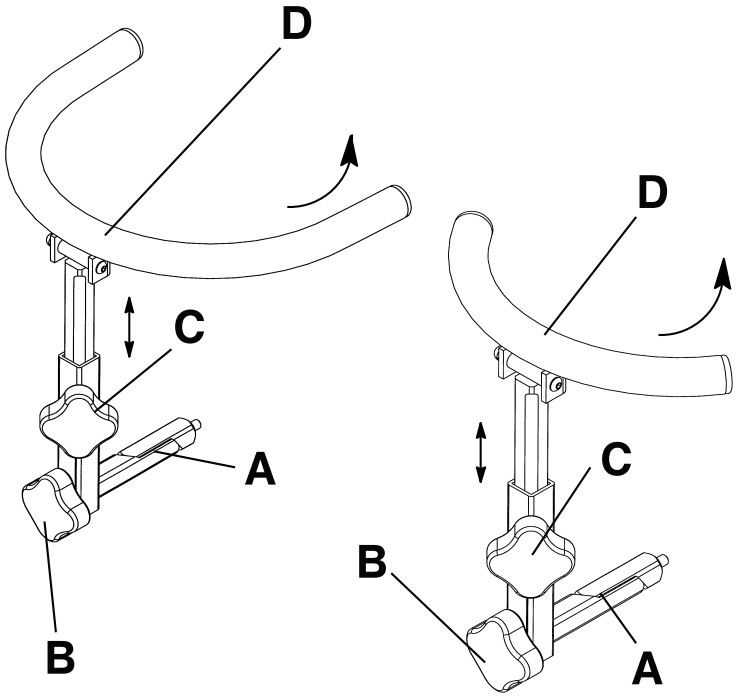


Figure 8 – Installing and positioning the wrist rests

Installing the drape support and air delivery system

CAUTION - The maximum PSI level for the drape support/oxygen tubing is 20 PSI (1.38 Bars/140 KPA).

The optional drape support air delivery system has a flexible drape support with air tubing inside the support for patient comfort.

1. Place the mounting tab (A) into the IV socket at the head end of the product.
2. Insert the air delivery tube into the air tube receptacle (B) (Figure 9).

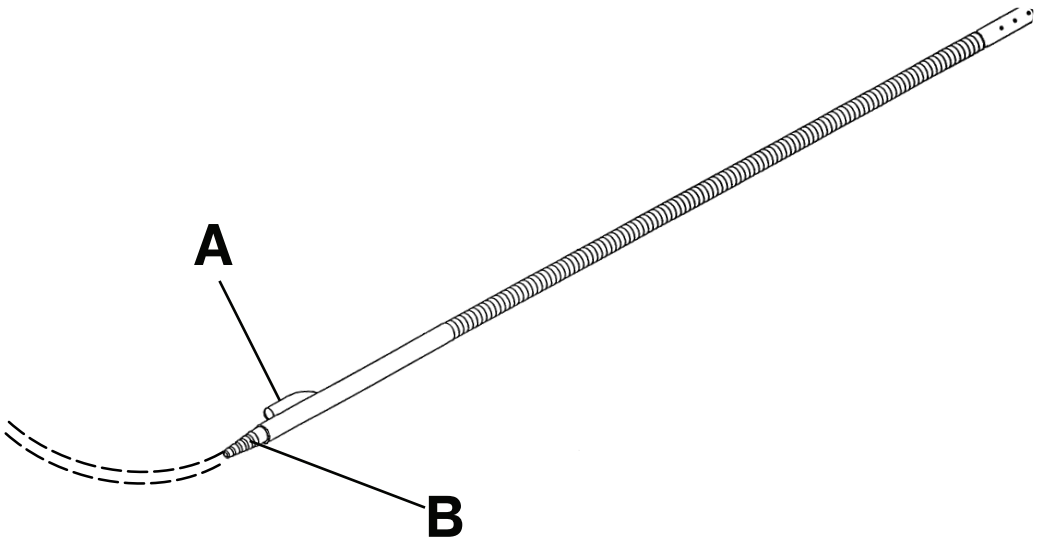


Figure 9 – Air delivery tubing

Positioning or stowing the push handles (optional)

To position or stow the push handles:

1. Pivot the handles up from the end of the product (Figure 10).
2. Push down on the handles to lock them into position.
3. Reverse steps to stow the handles.

Note - Only use the push handles as push/pull devices unless otherwise specified to avoid product damage.

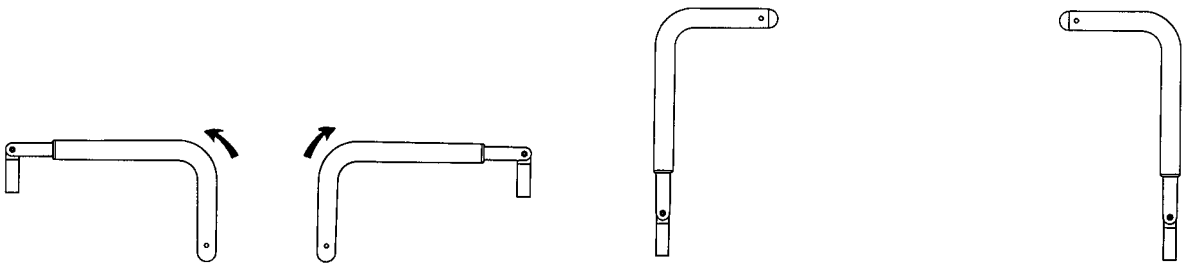


Figure 10 – Positioning the head end push handles

Attaching the defibrillator tray

WARNING

- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray. Always strap down all devices that you place on the defibrillator tray.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

To attach the defibrillator tray:

1. Insert the defibrillator tray pins into the sockets at the foot end of the product.
2. Use the strap to secure devices to the defibrillator tray.

Note

- Do not use the defibrillator tray as a push/pull device. Product damage may occur.
- Always raise the foot end push handles when you use accessories (such as the defibrillator tray/foot extender, footboard/chart holder, upright oxygen bottle holder) or the accessories will not function.

Converting the defibrillator tray/foot extender to a defibrillator tray

WARNING

- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray/foot extender. Always strap down all devices that you place on the defibrillator tray.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

CAUTION - Always raise the IV pole before you attach the defibrillator tray/foot extender to the product. If you do not raise the IV pole, the foot extender will not operate.

To convert the defibrillator tray/foot extender to a defibrillator tray:

1. Pull out the top knob (A) (Figure 11).
2. Pivot the defibrillator tray (B) until the tray is flat over the foot end of the product. Release the top knob (A). Make sure that the defibrillator tray is locked in place.
3. Use the strap to secure devices to the defibrillator tray.

Note

- Do not use the defibrillator tray/foot extender as a push/pull device. Product damage may occur.
- Do not attach items to the foot extender.

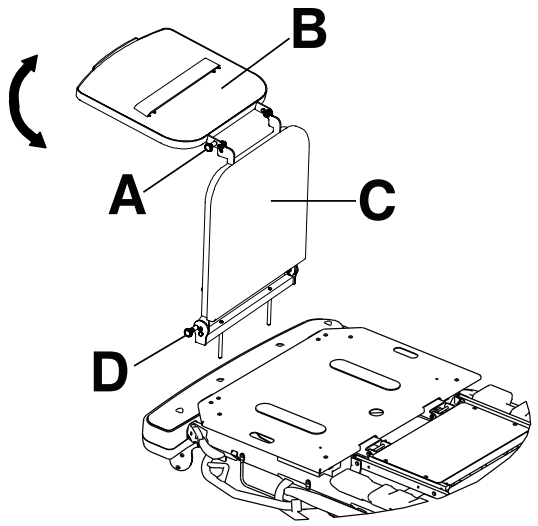


Figure 11 – Defibrillator tray/foot extender

Converting the defibrillator tray/foot extender to a foot extender

WARNING

- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray/foot extender. Always strap down all devices that you place on the defibrillator tray.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

CAUTION - Always raise the IV pole before you attach the defibrillator tray/foot extender to the product. If you do not raise the IV pole, the foot extender will not operate.

To convert the defibrillator tray/foot extender to a foot extender (Figure 11):

1. Pull out the top knob (A).
2. Pivot the defibrillator tray (B) until the tray locks against the foot extender.
3. Pull out the bottom knob (D) while you hold the defibrillator tray/foot extender assembly.
4. Lower the foot extender (C) until the foot extender is flat.
5. Release the bottom knob (D). Push on the foot extender to make sure that the foot extender is locked in place.

Note

- Do not use the defibrillator tray/foot extender as a push/pull device. Product damage may occur.
- Do not attach items to the foot extender.

Attaching the footboard/chart holder

WARNING - Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

To attach the footboard/chart holder, insert the footboard/chart holder pins into the sockets at the foot end of the product.

Note - Do not use the footboard/chart holder as a push/pull device. Product damage may occur.

Positioning the two-stage permanently attached IV pole

WARNING - Do not use the IV pole as a push/pull device. Product damage may occur.

You can purchase the product with the two-stage IV pole option permanently attached at the head end, foot end, or both ends of the product. The IV pole is equipped with a telescopic pole that extends to provide a second height position. You can fold and store the IV pole when not in use.

To position the two-stage IV pole (Figure 12):

1. Lift and pivot the pole from the storage position.
2. Push the IV pole down until the IV pole locks in place.
3. To raise the height of the IV pole, pull up on the telescoping portion (A) until the pole locks in place at the fully raised position.
4. Rotate the IV hangers (B) to the desired position and hang the IV bags.
5. To lower the IV pole, hold the telescoping portion of the IV pole, turn the latch (C), and lower the telescoping portion.

Note

- Do not hang IV bags that exceed 40 lb (18 kg) on the IV pole.
- Always make sure that the IV pole is at a low height to pass safely through door openings when you transport a patient.

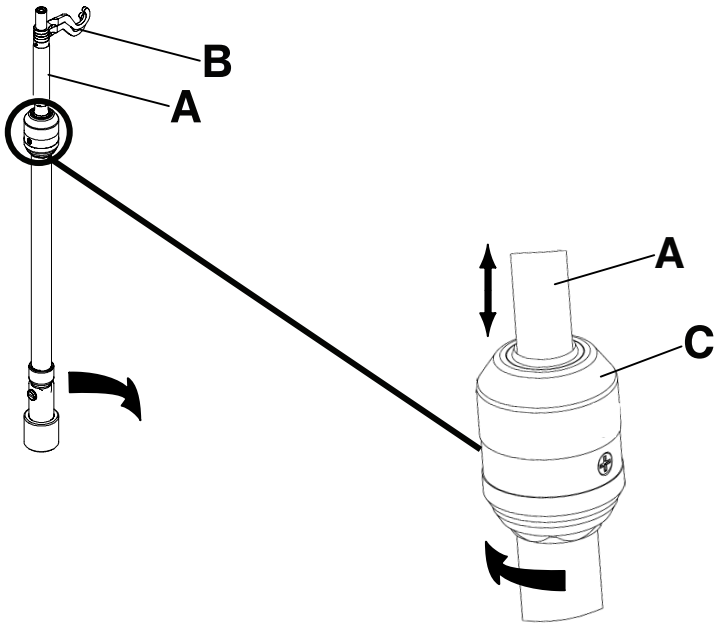


Figure 12 – Positioning the 2 stage permanently attached IV pole

Positioning the three-stage permanently attached IV pole

WARNING - Do not use the IV pole as a push/pull device. Product damage may occur.

You can purchase the product with the three-stage IV pole option permanently attached at the head end, foot end, or both ends of the product. The IV pole is equipped with a telescopic pole that extends to provide a second and third height position. You can also fold and store the IV pole when not in use.

To position the three-stage IV pole (Figure 13):

1. Lift and pivot the pole from the storage position.
2. Push the IV pole down until the pole locks in place.
3. To raise the height of the IV pole, pull up on the telescoping portion (A) until the pole locks into place at the fully raised position.
4. For a higher IV pole, pull up on section (B). Release section (B) at any desired height to lock the pole in place.
5. Rotate the IV hangers (C) to the desired position and hang the IV bags.
6. To lower the IV pole, push up on the yellow portion of the grip (D) while holding on to section (B) until the pole lowers.
7. Turn the latch (E) and lower the IV pole telescoping portion.

Note

- Do not hang IV bags that exceed 12 lb (5 kg) total for all bags on the IV pole.
- Do not hang IV bags that exceed 9.3 lb (4.2 kg) on a single IV hanger.
- Always make sure that the IV pole is at a low height to allow the pole to pass safely through door openings when you transport a patient.

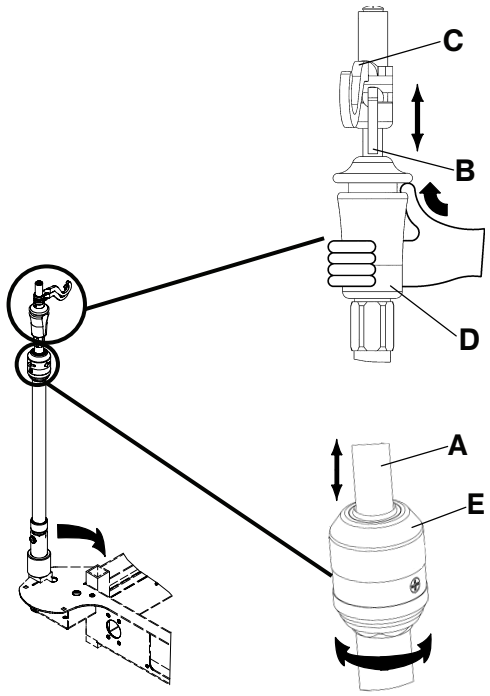


Figure 13 – Positioning the three-stage permanently attached IV pole

Attaching and positioning the removable IV pole

CAUTION

- Do not use the IV pole as a push/pull device. Product damage may occur.
- Do not hang IV bags that exceed 40 lb (18 kg) on the IV pole.
- Always make sure that the IV pole is at a low height to pass through door openings when you transport a patient.

To attach and position the removable IV pole (Figure 14):

1. Insert the IV pole into a socket at the head end or foot end of the product.
2. Turn the knob (A) counterclockwise and pull up on the telescoping portion (B) until you reach the desired height.
3. Turn the knob (A) clockwise to lock the telescoping portion in place.

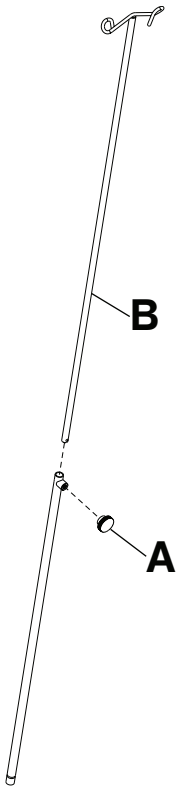


Figure 14 – Removable IV pole

Attaching the upright oxygen bottle holder

WARNING

- Do not place objects that exceed 40 lb (18 kg) in the upright oxygen bottle holder.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

The upright oxygen bottle holder supports an oxygen bottle in a vertical position.

To attach the upright oxygen bottle holder:

1. Insert the support bar into any of the IV sockets.
2. Insert the cotter pin through the hole in the support bar to secure the bottle holder to the product.

Note - Do not use the upright oxygen bottle holder as a push/pull device. Product damage may occur.

Extending or stowing the serving tray holder/footboard

WARNING - Do not place objects that exceed 30 lb (14 kg) on the serving tray.

To fit the serving tray on the siderail, pull out on both sides of the serving tray and position the tray over the siderails.

To stow the serving tray:

1. Remove the serving tray from the siderails.
2. Push in the sides of the serving tray.
3. Store the serving tray in the footboard.

Note - Do not use the serving tray/footboard as a push/pull device. Product damage may occur.

Attaching the siderail pads

To attach the siderail pads:

1. Tuck the siderail pad between the mattress and the siderail.
2. Fasten the **Velcro®** straps around the top of the siderail to secure the siderail pad.

Locating the patient restraint strap tie-ins

WARNING

- Always use caution when you attach the restraint straps to avoid potential injury to both patients and operators. Physical restraints, even if properly secured, may result in serious harm to patients and operators, including entanglement, entrapment, physical injury, or death.
- Only attach restraint straps or devices at the identified attachment points of the product. Failure to do so may result in patient or operator injury. Do not attach restraints straps to the siderail.
- Always refer to the applicable state and federal restrictions and the appropriate facility protocols before you use any restraint strap or device.

There are six patient restraint strap tie-in locations on the litter assembly for attaching patient restraint straps (Figure 15).

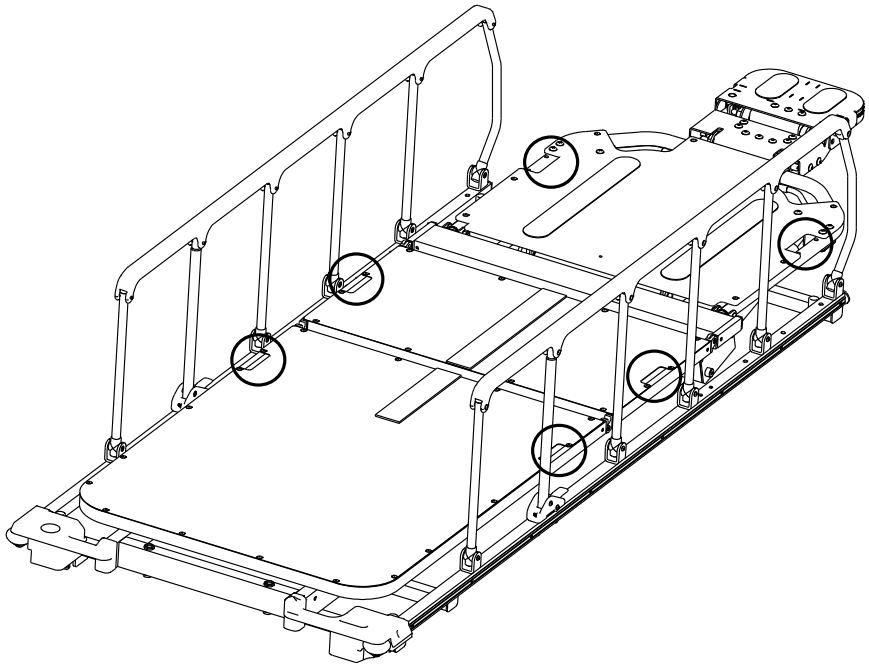


Figure 15 – Restraint strap tie-in locations

Cleaning and disinfecting with wipes

For United States only. Confirm availability for your configuration or region. Call Stryker Customer Service: 1-800-327-0770.

Stryker’s preferred wipes (2060-000-001 6" x 10" or 2060-000-002 9" x 12") include the following active ingredients:

- n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride - 0.154%
- n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride - 0.154%
- Isopropanol - 21.000%

Non-active ingredient: Ethylene Glycol Monobutyl Ether – < 3%

Note - For safety information, read the product label.

To clean or disinfect the external product surface:

1. To clean, wipe external surfaces with a fresh, clean wipe to remove all visible soils. Repeat as necessary until the product is clean.

   Note
   - Use as many wipes as necessary.
   - Complete step 1 before you disinfect.
2. To disinfect, wipe external surfaces with a fresh, clean wipe until wet. Allow the external surface to remain wet for two minutes at room temperature.
3. Allow the product to dry before you return it to service.

Cleaning

Cleaning the product

WARNING - Do not clean, service, or perform maintenance while the product is in use.

Recommended cleaning method:

1. Follow the cleaning solution manufacturer's dilution recommendations.
2. Hand wash all surfaces of the product with warm water and mild detergent.
3. Avoid over-saturation and make sure that the product does not stay wet longer than the detergent manufacturer's guidelines for proper cleaning.
4. Dry thoroughly. Do not replace the mattress on the product until the product is dry.
5. Check functionality before you return the product to service.
    - Raise and lower the product
    - Lock and unlock the brake/steer pedal in both positions
    - Latch and unlatch the siderails
    - Raise and lower the Fowler backrest
    - Raise and lower the Gatch
    - Make sure all components have proper lubrication
    - Make sure all labels are intact

Note

- Direct skin contact with visibly soiled, permeable material may increase the risk of infection.
- Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not properly rinse and dry the product, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.
- Do not steam clean, power wash, hose off, or ultrasonically clean the product. Use of these methods of cleaning is not recommended and may void the product's warranty.
- Clean the base hood.
- Clean the bottom of the brake pads to prevent wax or floor remnant buildup.

Cleaning the mattress

WARNING

- Do not clean, service, or perform maintenance while the product is in use.
- Do not immerse the mattress in cleaning or disinfectant solutions. Excess moisture could cause product malfunction that results in product damage or patient injury.
- Do not allow fluid to pool on the mattress. Fluids can cause corrosion of components and may cause the safety and performance of this product to become unpredictable.
- Always inspect mattress covers for tears, punctures, excessive wear, and misaligned zippers every time you clean the covers. Remove and replace a damaged mattress to prevent cross-contamination.
- Do not steam clean, pressure wash, hose off, or ultrasonically clean mattresses. These methods of cleaning may void the product's warranty.

The life of the mattress can be affected by an increase in frequency of usage, which might include more frequent cleaning and disinfection.

Recommended cleaning method:

1. Use a clean, soft cloth to wipe down the entire mattress with a mild soap and water solution to remove foreign material.
2. Wipe down the mattress with a clean, dry cloth to remove any excess liquid or cleaning agents.
3. Rinse and dry covers after cleaning.
4. Disinfect as needed with a hospital grade disinfectant after cleaning has been completed (*Disinfecting the mattress* (page 30)).

Note

- Do not iron, dry-clean, or tumble dry the mattress, as this will cause malfunction and damage the product.
- The mattress cover must be completely dry before you store, add linens, or place a patient on the mattress to prevent impairment of the product performance.
- Avoid over-exposure to alcohol or hydrogen peroxide. The cover material will swell.
- Do not allow liquid to seep into the zipper area and watershed cover barrier. Fluids allowed to come in contact with the zipper may leak into the mattress which could impair the product performance.
- Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not rinse and dry the product well, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.

Remove iodine

1. Make a solution of 1 to 2 tablespoons of sodium thiosulfate in a pint of warm water. Use the solution to wipe down the stained area.
2. Clean the stain as soon as possible after the stain occurs.
3. If stains are not immediately removed, allow solution to soak or stand on the mattress before you wipe the mattress.
4. Rinse the mattresses which have been exposed to the solution with clear water before you return the mattresses to service.

Note - Failure to follow these directions when you use these types of cleaners may void this product's warranty.

Special instructions

Velcro®	Saturate with disinfectant, rinse with water, and allow the solution to evaporate.
Solids or stains	Use neutral soaps and warm water. Do not use harsh cleansers, solvents, or abrasive cleaners.
Hard-to-clean spots	Use standard household cleansers or vinyl cleansers and a soft bristle brush on troublesome spots or stains. Pre-soak dried-on soil.
Laundering	Laundering is not recommended. Laundering may substantially decrease the useful life of the mattress.

Disinfecting

Disinfecting the product

WARNING

- Do not clean, service, or perform maintenance while the product is in use.
- Do not steam clean, hose off, or ultrasonically clean the product. Use of these methods of cleaning is not recommended and may void the product's warranty.

Recommended disinfectants:

- Quaternaries (active ingredient - ammonium chloride) that contain less than 3% glycol ether
- Phenolic disinfectant (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (5.25% bleach diluted 1 part bleach to 100 parts water which equals 520 ppm available chlorine (40 mL of a 5.25% bleach solution per 4000 mL water))
- 70% isopropyl alcohol

Recommended disinfection method:

1. Follow the disinfectant solution manufacturer's dilution recommendations.
2. Hand wash all surfaces of the product with a disinfectant solution.
3. Avoid over-saturation and make sure that the product does not stay wet longer than the chemical manufacturer's guidelines for proper disinfecting.
4. Dry the product. Do not place the mattress on the product until the product is dry.
5. Disinfect the **Velcro®** after every use. Saturate the **Velcro®** with disinfectant, rinse with water, and allow the disinfectant to evaporate (appropriate disinfectant is determined by the facility).
6. Check functionality before you return the product to service.
    - Raise and lower the product
    - Lock and unlock the brake/steer pedal in both positions
    - Latch and unlatch the siderails
    - Raise and lower the Fowler backrest
    - Raise and lower the Gatch
    - Make sure all components have proper lubrication
    - Make sure all labels are intact

    Note
    - Direct skin contact with visibly soiled, permeable material may increase the risk of infection.
    - Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not rinse and dry the product well, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.

Disinfecting the mattress

WARNING - Always disinfect the mattress between patients. Failure to do so could result in cross-contamination and infection.

Recommended disinfectants:

- Quaternaries (active ingredient - ammonium chloride) that contain less than 3% glycol ether

- Phenolic disinfectant (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (5.25% bleach diluted 1 part bleach to 100 parts water which equals 520 ppm available chlorine (40 mL of a 5.25% bleach solution per 4000 mL water))
- 70% isopropyl alcohol

Recommended disinfection method:

1. Make sure that the mattress is clean and dry before you apply disinfectants.
2. Wipe down the mattress with a clean, dry cloth to remove any excess liquid or disinfectant.
3. Rinse and dry covers after disinfection.

Note

- The mattress cover must be dry before you store or add linens. Failure to remove excess disinfectant could cause degradation of the cover material.
- Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not rinse and dry the product well, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.
- Frequent or prolonged exposure to higher concentrations of disinfectant solutions may prematurely age the cover fabric.
- The use of accelerated hydrogen peroxides or quaternaries that contain glycol ethers may damage the cover.

Preventive maintenance

Remove product from service before you perform preventive maintenance. Check all items listed during annual preventive maintenance for all Stryker Medical products. You may need to perform preventive maintenance checks more frequently based on your level of product usage. Service only by qualified personnel.

Note - Clean and disinfect the exterior of the mattress before inspection, if applicable.

Inspect the following items:

_____ All welds

_____ All fasteners are secure

_____ Brake mechanism works

_____ Steer function works

_____ Siderails raise, lower, and latch

_____ Casters lock when you apply the brakes

_____ Casters are secure and swivel

_____ Casters are free of wax or debris

_____ Fowler backrest raises, lowers, and latches

_____ Gatch raises, lowers, and latches

_____ Skins are not cracked

_____ Articulating headpiece locks and releases (option)

_____ Trendelenburg/Reverse Trendelenburg raises and lowers from all locations

_____ IV pole is intact and locks in all positions (option)

_____ Oxygen bottle holder is intact and opens and closes (option)

_____ Arm boards are intact and can be secured

_____ Arm board support levers are intact and latch

_____ Accessories and mounting hardware are in good condition

_____ Body restraints are intact and can be secured (option)

_____ No rips or cracks in mattress cover

_____ No cables are worn or pinched (option)

_____ Ground chain is intact

_____ No leaks at hydraulic connections

_____ Hydraulic jacks are holding

_____ Hydraulic drop rate is set

_____ Hydraulic oil level is sufficient

_____ Lubricate where required (*Lubrication points* (page 32))

Product serial number:
Completed by:
Date:

Lubrication points

With the Fowler backrest at 0 degrees, apply Syntech grease (3000-200-719) through the slot and hole in the crank screw assembly (Figure 16). Wipe off excess grease.

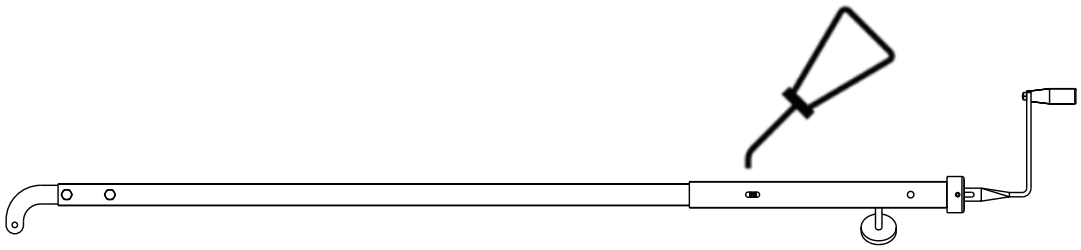


Figure 16 – Crank screw lubrication

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