

**OPERATOR MANUAL**

**ASC 2000™  
Ambulatory Surgical Table**

**(08/10/11)**

**P150830-442**

# A WORD FROM STERIS CORPORATION

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**IMPORTANT: Read this entire manual before attempting to install or operate your ASC 2000™ Ambulatory Surgical Table. Ensure all appropriate personnel understand the contents of this manual.**

This Operating Manual contains important information on proper use and maintenance of the ASC 2000 Ambulatory Surgical Table. **All personnel involved in the use and maintenance of this equipment must carefully review and comply with the warnings, cautions, and instructions contained in this manual.** These instructions are important to protect the health and safety of personnel operating the table and should be retained in a conveniently accessible area for quick reference.

Complete instructions for uncrating have been furnished. If missing, contact STERIS for a replacement copy, giving the serial, equipment, and model numbers of the unit.

STERIS carries a complete line of accessories for use with this table. STERIS representatives will gladly review these with you.

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## Advisory

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A listing of the *Safety Precautions* to be observed when operating and servicing this equipment can be found in Section 1 of this manual. Do not operate or service the equipment until you have become familiar with this information.

Any alteration of this equipment not authorized or performed by STERIS Engineering Service which could affect operation will void the warranty, could adversely affect proper table functioning and could violate federal, state, and local regulations.

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## Indications for Use

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The ASC 2000 Ambulatory Surgical Table is primarily designed for ambulatory surgical care facilities.

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## Service Information

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A thorough preventive maintenance program is essential for safe and proper unit operation. This manual contains maintenance schedules and procedures which should be followed for satisfactory equipment performance. Comprehensive instructions for monthly, quarterly, and semi-annual preventive maintenance can be found in the Maintenance Manual, P764331-449 (available from STERIS).

Only STERIS-trained personnel should attempt to perform maintenance on the ASC 2000 Ambulatory Surgical Table to avoid personal injury or damage to the product.

You are encouraged to contact STERIS concerning our comprehensive Preventive Maintenance Agreement. Under the terms of this agreement, preventive maintenance, adjustments, and replacement of worn parts are done on a scheduled basis to help assure optimal equipment performance and help avoid untimely or costly interruptions. STERIS maintains a global staff of well equipped, factory-trained technicians to provide these services, as well as expert repair services. Please contact STERIS for details.

**NOTE: A patient grounding post/potential equalization terminal (male connector, DIN 42801) is provided. The female connector for patient grounding is not furnished by STERIS.**

**CE** EC Authorized Representative

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Class 1 Equipment  
Type B Equipment



Splash-Proof Equipment (enclosed equipment protected against splashing water, IPX4)

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or oxygen or nitrous oxide.

Suitable for continuous operation with short-time loading (15% duty cycle).

Manufactured for STERIS by MEDILAND of Taiwan.

**STERIS Corporation,  
Montgomery, Alabama is an  
ISO 13485 certified facility.**

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

# TABLE OF CONTENTS

Section	Title	Page
	<b>A WORD FROM STERIS CORPORATION .....</b>	<b>i</b>
<b>1</b>	<b>LISTING OF PRECAUTIONS AND SAFETY LABELS .....</b>	<b>1-1</b>
1.1	Safety Label on the Table .....	1-4
1.2	Symbols on the Table .....	1-5
<b>2</b>	<b>IMPORTANT USER INFORMATION .....</b>	<b>2-1</b>
2.1	Pinch Point Warnings .....	2-1
2.2	Patient Positioning and Weight Limitation .....	2-3
2.3	Patient Safety Straps .....	2-3
2.4	Auxiliary Control Switches .....	2-4
2.5	General Description .....	2-5
2.6	Technical Specifications .....	2-6
2.6.1	Overall Size .....	2-6
2.6.2	Ranges of Motion .....	2-6
2.6.3	Weight .....	2-6
2.6.4	Power Requirements .....	2-6
2.6.5	Environmental Conditions .....	2-6
2.6.6	Image Amplification Coverage .....	2-6
<b>3</b>	<b>INSTALLATION INSTRUCTIONS .....</b>	<b>3-1</b>
<b>4</b>	<b>OPERATING INSTRUCTIONS .....</b>	<b>4-1</b>
4.1	Operating the Table .....	4-1
4.2	Weight Capacity .....	4-2
4.3	Hand Control .....	4-2
4.3.1	Hand Control Function Buttons Description .....	4-2
4.3.2	Hand Control LEDs Description .....	4-5
4.4	Auxiliary Control System .....	4-5
4.5	Headrest Operation .....	4-6
4.6	Leg Section Operation .....	4-6
4.7	Table Pads .....	4-7




# TABLE OF CONTENTS (Cont'd)

<b>Section</b>	<b>Title</b>	<b>Page</b>
4.8	Accessories/Side Rails .....	4-7
4.8.1	Permanently Attached Side Rails .....	4-7
4.8.2	Drain Pan .....	4-8
<b>5</b>	<b>ROUTINE MAINTENANCE .....</b>	<b>5-1</b>
5.1	Read Before Performing Routine Maintenance .....	5-1
5.2	Cleaning the Table .....	5-1
5.2.1	General .....	5-2
5.2.2	After Each Usage .....	5-2
5.2.3	End-Of-Day Cleaning Procedure .....	5-3
5.2.4	Weekly Cleaning Procedure .....	5-3
5.3	Bi-Weekly Maintenance .....	5-3
5.4	Monthly Maintenance .....	5-3
5.5	Battery Charging Procedure .....	5-4
5.6	Preventive Maintenance .....	5-5
5.7	Replacement Parts .....	5-6
<b>6</b>	<b>TROUBLESHOOTING .....</b>	<b>6-1</b>
<b>7</b>	<b>DISPOSAL HAZARDS .....</b>	<b>7-1</b>

The following list of *Safety Precautions* must be observed when operating and servicing the ASC 2000™ Ambulatory Surgical Table. WARNINGS indicate the potential for danger to personnel, and CAUTIONS indicate the potential for damage to equipment. These precautions are repeated (in whole or in part), where applicable, throughout the manual. It is important to review these *Safety Precautions* before operating the table.




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## WARNING – PINCHING HAZARD:

-  Pinch points are created during tabletop articulation. Carefully review illustrations in Figures 2-1 through 2-3 before operating the table.
-  To avoid serious injury, keep limbs, fingers, and other body areas clear of all pinch points when positioning the table.
-  When manually positioning table sections, stay clear of potential pinching hazards.


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## WARNING – TIPPING HAZARD:

-  Do not place patient on the table unless floor locks are engaged.
-  Do not release floor locks while patient is on table.
-  Do not use this table for patients exceeding the 400-lb (181-kg) limit.

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## WARNING – EXPLOSION HAZARD:

-  Table must not be used in the presence of flammable anesthetics.







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## WARNING – TRIPPING HAZARD:

-  Route the power cord to the receptacle in a position so that it will not be tripped over by personnel in the area.

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## WARNING – PERSONAL INJURY HAZARD:

-  Failure to keep the patient properly secured with the patient safety straps at all times could result in death or serious injury to the patient and the operating room staff.
-  The floor locks must be engaged at all times when a patient is on the table. Failure to lock the floor locks before placing a patient on the table or disengaging the floor locks while a patient is on the table could result in the table rolling unexpectedly during the procedure.
-  The table is not intended for patient transport. Transporting a patient on the table could result in accidental death or serious personal injury to the patient and/or the operating room staff.
-  Keep hands and feet clear of the unloading platform and the table base when unloading the table. Serious personal injury could result.
-  Section 4.1, **Steps 1-5** in "Operating the Table" must be executed before patient transfer to the table. Execution of **Steps 1-5** with the patient on the table could result in death or serious injury to both the patient and the operating room staff.
-  Healthcare professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways, or circulation.

*Continued ...*


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## **WARNING – PERSONAL INJURY HAZARD (Cont'd):**

-  When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use a worn or damaged accessory. Check installation before using any accessory.
-  Unanticipated table movement could cause patient injury. Patient must be secured to the table in accordance with recommended positioning practices.
-  When cleaning/disinfecting table, do not use phenolics, which may cause patient skin burns if inadequately rinsed off, or alcohol, which does not have sufficient cleaning/disinfection properties.
-  The Table Leg Sections are designed to support the patient legs. **Do not put body weight on the Leg Sections.**
-  If the integrity of the external protective earth conductor installation or arrangement is in doubt, operate the table from its internal power source.


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## **WARNING – INSTABILITY HAZARD:**

-  Possible patient or user injury, as well as table or accessory failure, may result from using STERIS table accessories for other than their stated purpose – or from using, on STERIS tables, accessories manufactured and sold by other companies.








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## **WARNING – PINCHING AND TIPPING HAZARD:**

-  Patient injury may result if the operator of this table is not completely familiar with the controls for patient positioning and table operation.

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## **WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:**

-  Table is factory set to operate at a certain voltage. Use of any other power supply could result in serious personal injury or table damage.
-  Use of this table in the presence of flammable anesthetics could result in serious personal injury or table damage.
-  Placing a patient whose weight exceeds the 400-lb (181-kg) weight limit could result in death or serious injury to the patient and the operating room staff, and serious equipment damage.
-  Failure to perform periodic inspections of the table could result in serious personal injury or table damage.
-  Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Nonroutine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, invalidate the warranty, or result in costly damage. Contact STERIS regarding service options.
-  Regularly scheduled preventive maintenance is essential for safe and reliable operation of the equipment. Contact STERIS to schedule preventive maintenance.
-  The X-Ray Cassette Top accessory back section spans both the upper and lower table back sections. Failure to keep the table upper and lower back sections parallel with each other can cause equipment damage and injury.


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## **WARNING – INFECTION HAZARD:**

-  To protect against aerosols being reflected from potentially contaminated surfaces, wear rubber or plastic gloves, masks and eye protection, and follow OSHA blood-borne pathogens standards when cleaning.

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## **WARNING – DISPOSAL HAZARD:**

-  This product contains materials which may require disposal through appropriately licensed and permitted hazardous waste management firms.

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## CAUTION – POSSIBLE EQUIPMENT DAMAGE:

-  Failure to keep all personnel and equipment clear of the table before actuating any inertia-driven or power-driven movement could result in table damage.
-  When moving the table to or from point of use, roll it carefully at moderate speed and only over smooth floors. Maximum floor clearance is 1/4" (6.4 mm). Avoid door and elevator jambs, and obstructions greater than 1/4" (6.4 mm). If necessary, lift table over obstructions, onto trucks, etc. Lift table evenly and only by the table base. **DO NOT** transport articles (including accessories) on top of the table, and **DO NOT use a forklift to move the uncrated table.**
-  Hang the Hand Control from side rail of the table when not in use, to avoid possible damage to the control.
-  When cleaning/disinfecting table, do not use phenolics, which may cause patient skin burns if inadequately rinsed off, or alcohol, which does not have sufficient cleaning/disinfection properties.
-  When cleaning/disinfecting table, thoroughly read the cleaning fluid directions for use and follow all directions and cautions as shown.
-  Do not spray cleaning fluid into electric receptacles and avoid spraying directly on emergency backup buttons or into clearance space. Spray or drippage may settle onto electric circuits inside table causing corrosion and loss of function.
-  Cleaning procedures requiring articulation of the table should be performed only by persons familiar with table operation.
-  After performing cleaning procedures, ensure pads and tops are completely dry before reinstalling.
-  Route the hand control cord clear of any pinch points where cord could be damaged.
-  Use of incorrect hydraulic oil may severely damage the table and/or cause malfunction. Contact STERIS for proper hydraulic oil.
-  After performing cleaning procedures, ensure pads and X-ray tops are completely dry before reinstalling. Moisture trapped between pads and X-ray tops may contribute to equipment damage, such as X-ray top warpage.



Following is the safety label on the ASC 2000 Ambulatory Surgical Table.










## 1.1 Safety Label on the Table

WARNING	AVERTISSEMENT
<p><b>GENERAL PATIENT SAFEGUARDS</b></p> <ul style="list-style-type: none"><li>• READ AND UNDERSTAND OPERATION MANUAL P/N 150830-442 BEFORE USING TABLE.</li><li>• STABILIZE TABLE WHEN TRANSFERRING PATIENTS.</li><li>• HEALTH CARE PROFESSIONALS MUST ENSURE THAT PATIENTS ARE POSITIONED AND MONITORED SO AS TO PREVENT COMPROMISING RESPIRATION, NERVE PATHWAYS OR CIRCULATION.</li><li>• PROTECT PATIENTS FROM PINCHPOINTS. REFER TO OPERATION, MANUAL P/N 150830-442 FOR SPECIFIC PINCHPOINT LOCATIONS.</li><li>• INSTALL AND TIGHTEN TABLE ACCESSORIES CORRECTLY AND SECURELY. DO NOT USE DAMAGED OR WORN ACCESSORIES. CHECK INSTALLATION BEFORE USING ANY ACCESSORY.</li></ul>	<p><b>DIRECTIVES GÉNÉRALES DE SÉCURITÉ POUR LES MALADES</b></p> <ul style="list-style-type: none"><li>• LIRE ET COMPRENDRE LE GUIDÉ L'UTILISATION N/P 150830-442 AVANT D'UTILISER LA TABLE.</li><li>• STABILISER LA TABLE LORS DU TRANSFERT DES MALADES.</li><li>• LES PROFESSIONNELS DE LA SANTÉ DOIVENT S'ASSURER QUE LES MALADES SONT PLACÉS ET SURVEILLÉS DE FAÇON À ÉVITER DE GÉNÉRER OU DE COMPROMETTRE LA RESPIRATION, LA CIRCULATION OU LES CIRCUITS NERVEUX.</li><li>• PROTÉGER LES MALADES DES POINTS OÙ ILS RISQUENT D'ÊTRE PINCÉS. CONSULTER LE GUIDE L'UTILISATION N/P 150830-442 POUR L'EMPLACEMENT DE TELS POINTS.</li><li>• MONTER ET SERRER CORRECTEMENT LES ACCESSOIRES DE LA TABLE. NE PAS UTILISER D'ACCESSOIRES ENDOMMAGÉS.</li><li>• VÉRIFIER L'INSTALLATION AVANT D'UTILISER TOUT ACCESSOIRE.</li></ul>
<p><b>TIPPING HAZARD</b></p> <ul style="list-style-type: none"><li>• DO NOT EXCEED 400 LB. MAXIMUM PATIENT WEIGHT.</li><li>• DO NOT PLACE PATIENT ON TABLE UNLESS FLOOR LOCKS ARE ENGAGED.</li><li>• DO NOT RELEASE FLOOR LOCKS WHILE PATIENT IS ON TABLE.</li></ul>	<p><b>DANGER DE RENVERSEMENT</b></p> <ul style="list-style-type: none"><li>• NE PAS DÉPASSER LE POIDS DE 400 LB. PAR MALADE.</li><li>• NE PLACER PAS UN(E) PATIENT(E) SUR LA TABLE SANS ENGAGER LES BLOCAGES AU PLANCHER.</li><li>• NE PAS DESSERRER LES BLOCAGES AU PLANCHER AVEC UN MALADE SUR LA TABLE.</li></ul>
<p><b>EXPLOSION HAZARD</b></p> <ul style="list-style-type: none"><li>• DO NOT USE IN THE PRESENCE OF FLAMMABLE ANESTHETIC.</li></ul>	<p><b>DANGER D'EXPLOSION</b></p> <ul style="list-style-type: none"><li>• NE PAS UTILISER EN PRÉSENCE D'ANESTHÉSIFIQUES INFLAMMABLES.</li></ul>
<p><b>UNANTICIPATED TABLE MOVEMENT HAZARD</b></p> <ul style="list-style-type: none"><li>• PATIENT MUST BE SECURED TO THE TABLE IN ACCORDANCE WITH RECOMMENDED POSITIONING PRACTICES.</li></ul>	<p><b>DANGER DE DÉPLACEMENT IMPRÉVU DE LA TABLE</b></p> <ul style="list-style-type: none"><li>• LES MALADES DOIVENT ÊTRE INSTALLÉS SUR LA TABLE CONFORMÉMENT AUX PRATIQUES RECOMMANDÉES DE POSITIONNEMENT.</li></ul>

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## 1.2 Symbols on the Table

Following is a key to symbols on the ASC 2000 Ambulatory Surgical Table.

Symbol	Definition
	Type B Equipment
	Protective Earth Ground
	Equipotentiality
	Electric Shock Hazard
	Control Power ON
	Control Power OFF
	Powered By AC
 - OR - 	Attention, Consult Manual for Further Instructions
<b>A</b>	Amperage Rating of the Unit
<b>V</b>	Voltage Rating of the Unit
~	Alternating Current
<b>Hz</b>	Frequency of the Unit
<b>W</b>	Power Rating
<b>SN</b>	Serial Number of the Unit

## 2.1 Pinch Point Warnings



### WARNING – PINCHING HAZARD:

- Pinch points are created during tabletop articulation. Carefully review the illustrations in Figures 2-1 through 2-3 before operating the table.
- To avoid serious injury, keep limbs, fingers, and other body areas clear of all pinch points when positioning the table.



**CAUTION – POSSIBLE EQUIPMENT DAMAGE:** Failure to keep all personnel and equipment clear of the table before actuating any inertia-driven or power-driven movement could result in table damage.

When inertia-driven or power-driven table parts close (especially during extreme tabletop articulation), pinch-point hazards exist (see Figs. 2-1 through 2-3). All personnel involved in tabletop positioning should examine and be aware of these points before operating the table.

Pinch points shown (circled) in Figure 2-1:

1. Between Leg Section and Base Cover or Column Cover.
2. Between Headrest and Base Cover.
3. Between Leg Section and Seat Section.
4. Between Lower Back Section and Yoke.
5. Between Headrest and Floor.

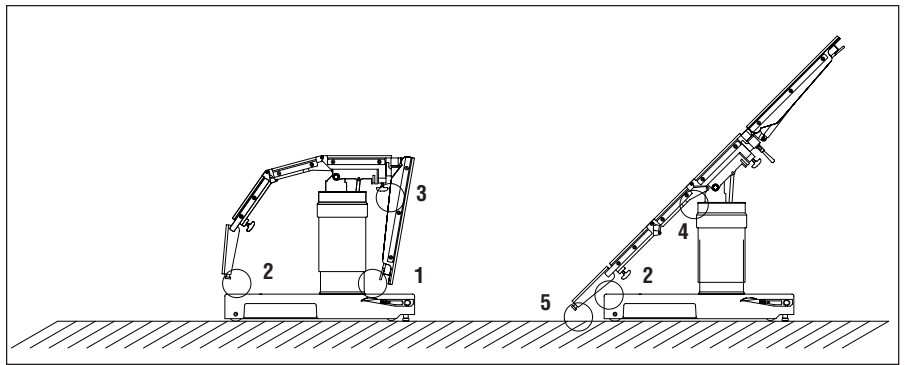


Figure 2-1. Pinch Points

Pinch points shown (circled) in Figure 2-2:

1. Between Thumbscrew of Seat Section and Yoke Cap.
2. Between Leg Section and Floor.
3. Between Leg Section and Base Cover.
4. Between Seat Section and Yoke Cap.

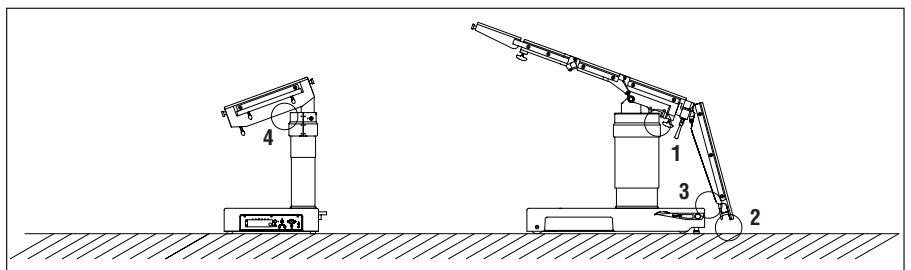
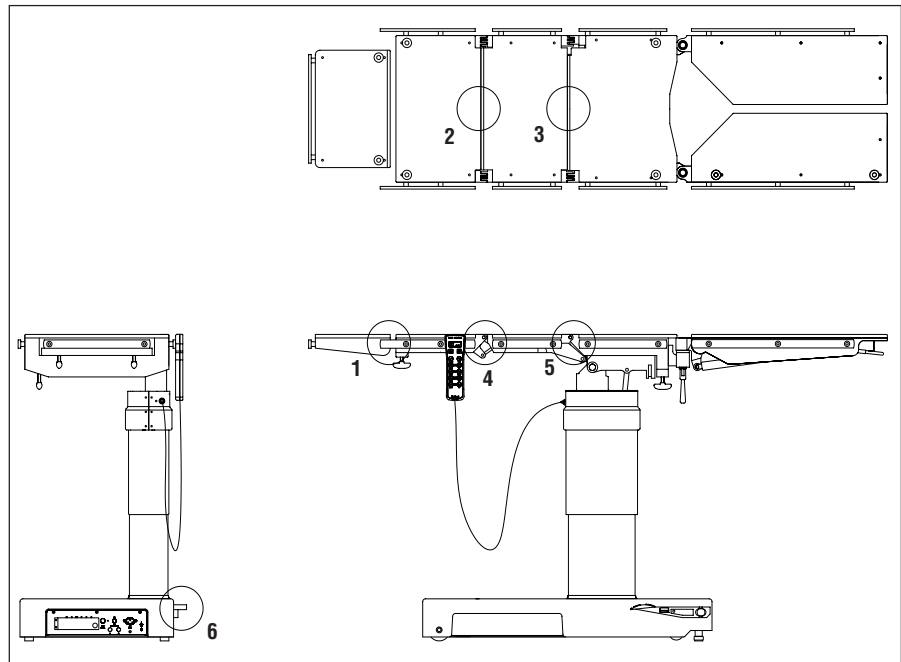


Figure 2-2. Pinch Points

Pinch points shown (circled) in Figure 2-3:

1. Between Headrest and Upper Back Section.
2. Between Upper Back Section and Lower Back Section.
3. Between Lower Back Section and Seat Section.
4. Between Upper Back Plate and Lower Back Plate.
5. Between Lower Back Plate and Seat Plate.
6. Between Lock Pedal and Base Cover or Between Foot Pedal and Base Cover.



**Figure 2-3. Pinch Points**

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## 2.2 Patient Positioning and Weight Limitation

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**WARNING – TIPPING HAZARD:**

- Do not place patient on the table unless floor locks are engaged.
- Do not release floor locks while patient is on table.
- Do not use this table for patients exceeding the 400-lb (181-kg) limit.



**WARNING - PERSONAL INJURY HAZARD:** Healthcare professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways, or circulation.

*NOTE: Accessories may have a specified weight limitation that is less than that of the table. Do not exceed the lowest weight limit, table or accessory.*

The table is designed to safely support a 400-lb (181-kg) patient. **Do not exceed the maximum patient weight.**

*NOTE: When positioning the patient on the table, note the following:*

- 1) Always check patient stability when patient is positioned.
- 2) Do not place patient on the table unless floor locks are engaged.
- 3) Do not release floor locks while patient is on table.
- 4) Do not attempt to move table while patient is on it.
- 5) Use extreme care when transferring patients to or from table.
- 6) Ensure all accessories are properly installed and secured.
- 7) Check for and eliminate harmful patient pressure points once patient is positioned.
- 8) Have a qualified medical professional monitor patient during surgery for all possible patient positioning hazards.
- 9) Do not place patient weight on the Leg Sections. Leg Sections were designed to support leg weight, not body weight.

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## 2.3 Patient Safety Straps

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**WARNING – PERSONAL INJURY HAZARD:** Failure to keep the patient properly secured with the patient safety straps at all times could result in death or serious injury to the patient and the operating room staff.

All patients must be restrained for proper safety regardless of the length or type of procedure.

Adjust the patient safety straps such that they restrain the patient according to currently accepted patient restraining practices, keeping in mind the trendelenburg/reverse trendelenburg, back, lateral tilt, and height adjustment.

## 2.4 Auxiliary Control Switches

### **! WARNING - PERSONAL INJURY HAZARD:**

- **The floor locks must be engaged at all times when a patient is on the table. Failure to lock the floor locks before placing a patient on the table or disengaging the floor locks while a patient is on the table could result in the table rolling unexpectedly during the procedure.**
- **The table is not intended for patient transport. Transporting a patient on the table could result in accidental death or serious personal injury to the patient and/or the operating room staff.**

Six Auxiliary Control Switches are located behind the cover plate on the front of the ASC 2000™ Ambulatory Surgical Table base (see Figs. 2-4 and 3-1). **The Auxiliary Control Switches may be used the moment the Hand Control/Foot Control becomes lost or damaged; or, they may be used to disconnect the battery.**

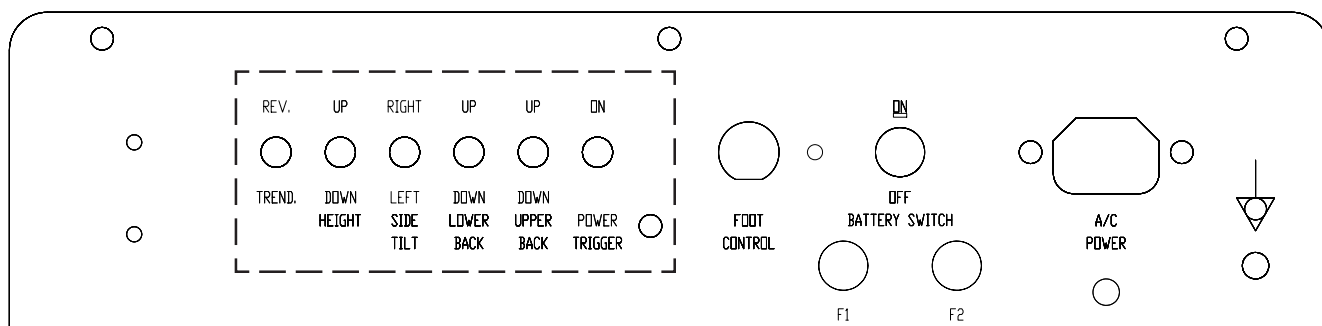
For the Auxiliary Control Switches to function:

1. Aside from loss or damage of the Hand/Foot Control, the table must be functioning normally.
2. The table must be receiving AC electrical current or the Battery Switch must be ON (and the batteries charged).

Auxiliary Control Switch descriptions:

1. Tabletop Articulation (if electric pump is operational): **REV., TREND., HEIGHT, SIDE TILT, LOWER BACK, and UPPER BACK.**
2. The **POWER TRIGGER** switch activates the Auxiliary Control Switches. If Auxiliary Controls are idle for more than 70 seconds, the system will automatically turn off.

*NOTE: The BATTERY SWITCH should always be positioned to ON for Battery Power Operation and Battery Charging. To interrupt the Battery Power and isolate the battery from the Power System, toggle switch to OFF.*



**Figure 2-4. Auxiliary Control Switches**

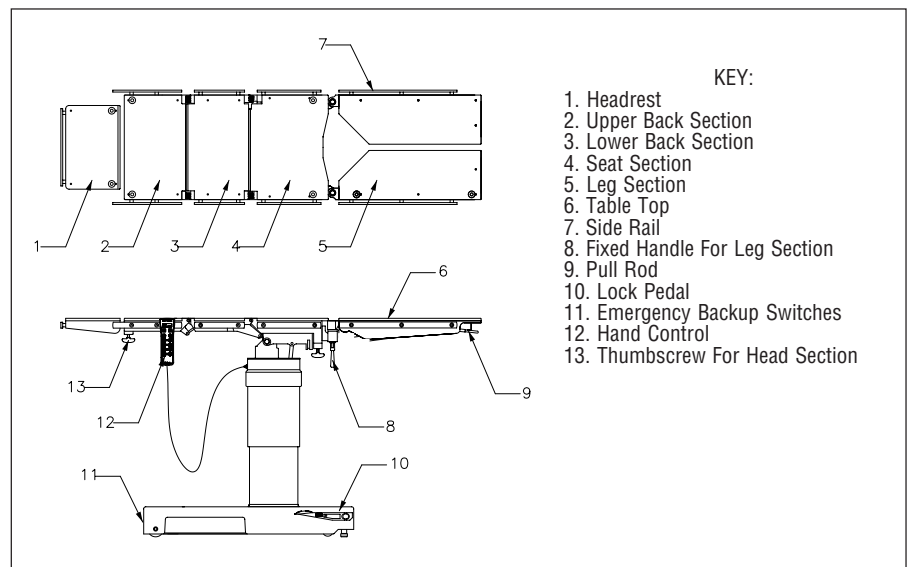
## 2.5 General Description

The ASC 2000 Ambulatory Surgical Table (see Fig. 2-5) is battery powered and specifically designed to provide the complete patient positioning flexibility required for modern ambulatory surgical care facilities. The ASC 2000 Surgical Table features powered lateral tilt, trendelenburg/reverse trendelenburg, and adjustable height functions. This table is designed to safely function with a 400 lb (181 kg) patient and is constructed of aluminum alloy, stainless steel, and other high quality materials.

The table accepts positioning commands from three sources:

1. A **Hand Control** (which includes "ON", "OFF", "TREND.", "REV.", "HEIGHT UP", "HEIGHT DOWN", "TILT LEFT", "TILT RIGHT", "LOWER BACK DOWN", "LOWER BACK UP", "UPPER BACK DOWN" and "UPPER BACK UP". Refer to Figure 4-2 of this document for control feature locations.
2. **Auxiliary Control Switches**. Refer to Figure 2-4 of this section of the document for control feature locations.
3. An optional physician-controlled **Foot Control** (which includes Trendelenburg Tilts, Lateral Tilts, and Height functions).

*NOTE: The Headrest and Leg Sections are manually adjustable.*



**Figure 2-5. ASC 2000 Table Components (Typical)**

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## 2.6 Technical Specifications

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See Figure 2-6.

### 2.6.1 Overall Size

22" wide x 79" long x 27.5" to 41" high  
(547 mm wide x 2009 mm long x 699 to 1045 mm high)

### 2.6.2 Ranges of Motion

**Height:** 27.5" to 41" (699 to 1045 mm)

**Trendelenburg Range:**  $45^{\circ} \pm 1^{\circ}$

**Reverse Trendelenburg Range:**  $20^{\circ} \pm 1^{\circ}$

**Lateral Tilt Range:**  $20^{\circ} \pm 1^{\circ}$

**Lower Back Motion:** UP:  $75^{\circ} \pm 1^{\circ}$   
DOWN:  $15^{\circ} \pm 1^{\circ}$

**Upper Back Motion:** UP:  $40^{\circ} \pm 1^{\circ}$   
DOWN:  $55^{\circ} \pm 1^{\circ}$

**Head Motion (Manual):** UP:  $33^{\circ} \pm 1^{\circ}$   
DOWN:  $87^{\circ} \pm 1^{\circ}$

**Leg Motion (Manual):** UP:  $0^{\circ}$   
DOWN:  $90^{\circ} \pm 1^{\circ}$   
(Swivel  $90^{\circ}$  toward outside)

### 2.6.3 Weight

485 lbs (220 kg)

Maximum Patient Weight: 400 lbs (181 kg); Distributed as:

- 30 lbs (14 kg) Maximum on Headrest
- 90 lbs (41 kg) Maximum on Upper Back Section
- 90 lbs (41 kg) Maximum on Lower Back Section
- 86 lbs (39 kg) Maximum on Seat Section
- 52 lbs (24 kg) Maximum on Each Leg Section

### 2.6.4 Power Requirements

#### Line Power Input:

- 100-132 VAC, One-Phase, 50/60 Hz, 5.0 A
- 180-264 VAC, One-Phase, 50/60 Hz, 3.0 A

*NOTE: Each table is shipped from the factory configured to the electrical requirement specified on the factory order. If this electrical configuration needs to be changed in the field, consult STERIS for the needed procedure and required materials.*

### 2.6.5 Environmental Conditions

**Temperature:** 32-122°F (0-50°C)

**Relative Humidity:** 20-80% RH

### 2.6.6 Image Amplification Coverage

See Figure 2-7.



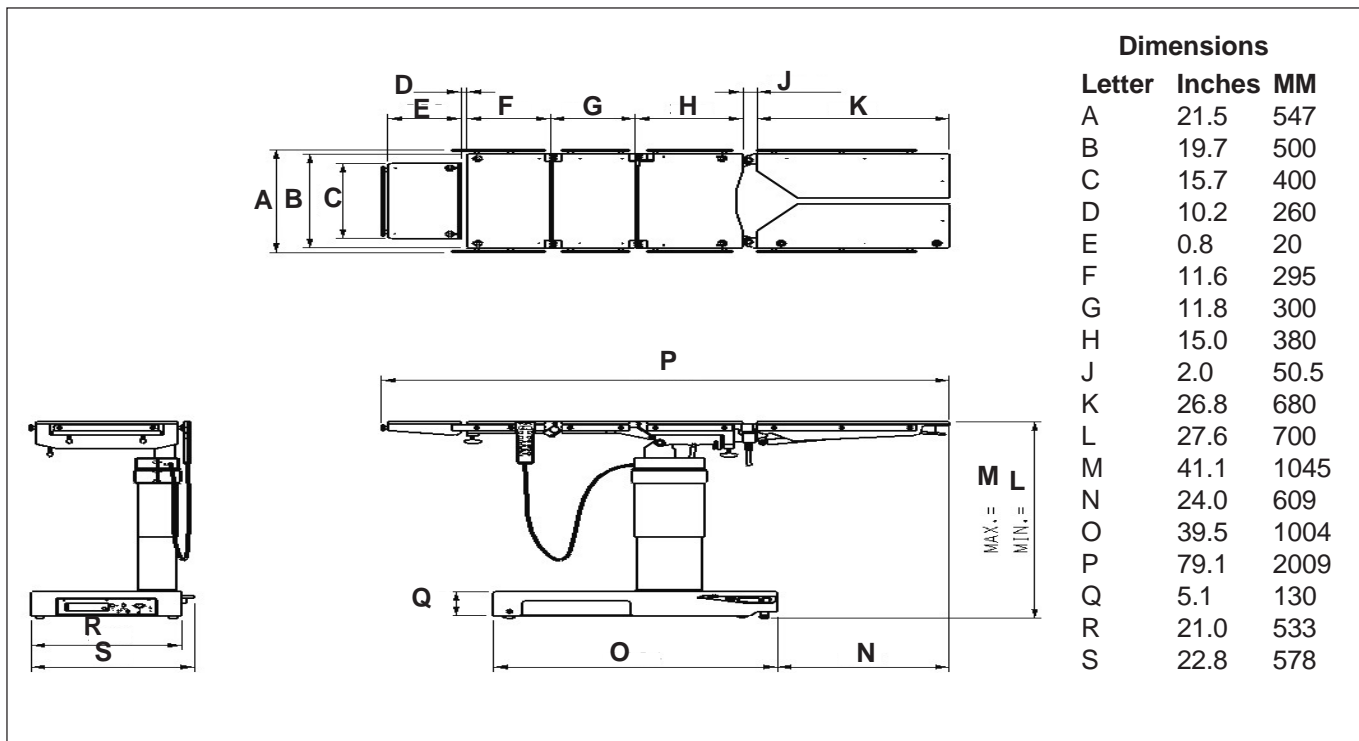


Figure 2-6. ASC 2000 Table Dimensions (Typical)

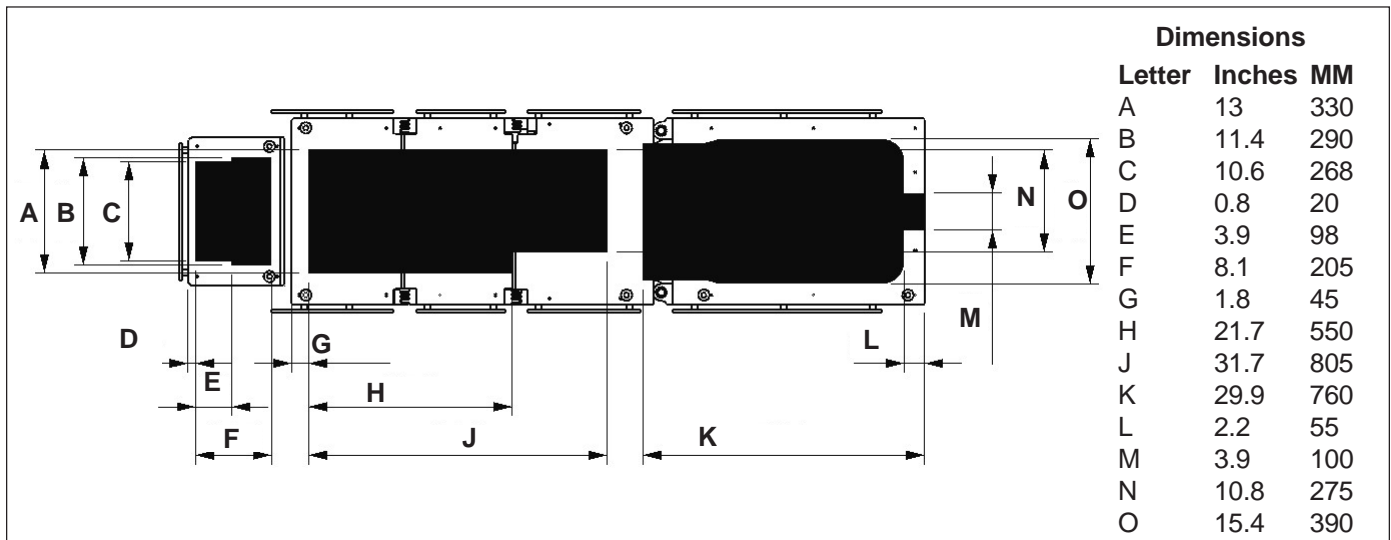


Figure 2-7. ASC 2000 Table Image Amplification Coverage

**⚠ WARNING – PERSONAL INJURY HAZARD:**

- **Keep hands and feet clear of the unloading platform and the table base when unloading the table. Serious personal injury could result.**
- **If the integrity of the external protective earth conductor installation or arrangement is in doubt, operate the table from its internal power source.**

**⚠ WARNING – EXPLOSION HAZARD:** Table must not be used in the presence of flammable anesthetics.

**⚠ WARNING – TRIPPING HAZARD:** Route the power cord to the receptacle in a position so that it will not be tripped over by personnel in the area.

**⚠ WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** Table is factory set to operate at a certain voltage. Use of any other power supply could result in serious personal injury or table damage.

**⚠ CAUTION – POSSIBLE EQUIPMENT DAMAGE:** When moving the table to or from point of use, roll it carefully at moderate speed and only over smooth floors. Maximum floor clearance is 1/4" (6.4 mm). Avoid door jambs, elevator jambs, and obstructions greater than 1/4" (6.4 mm). If necessary, lift uncrated table over obstructions, onto trucks, etc. Lift table evenly and only by the table base. **DO NOT** transport articles (including accessories) on top of the table, and **DO NOT** use a forklift to move the uncrated table.

Before signing for the table and any applicable accessories, check the overall condition of the table to ensure the outside of the table and the accessories were not damaged during shipment. If damage appears to have occurred, contact the shipping company and your local STERIS representative.

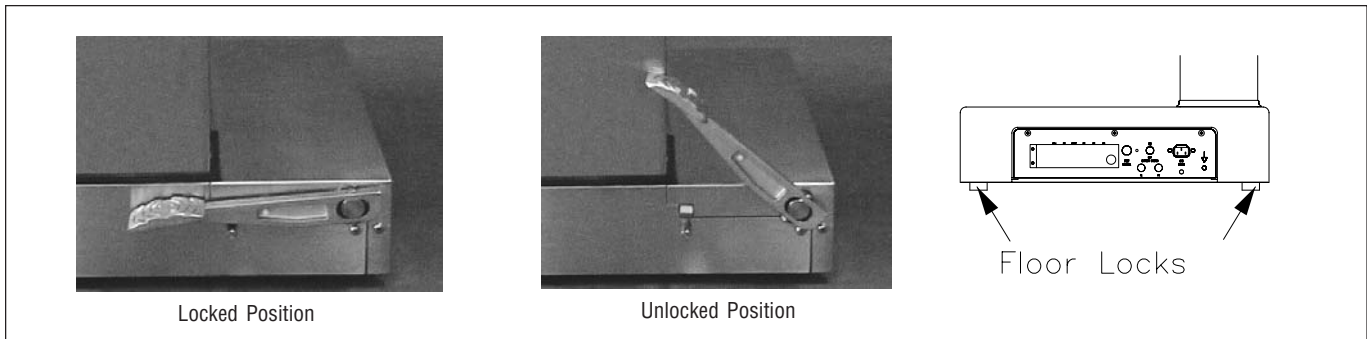
STERIS recommends that only STERIS-trained or STERIS-supervised personnel attempt to uncrate/crate, install, and perform maintenance on the ASC 2000™ Ambulatory Surgical Table. Uncrating, crating, installation, or maintenance by others may result in personal injury or damage to the product. Any alteration of this equipment not authorized or performed by STERIS Engineering Service which could affect the table operation will void the warranty, could adversely affect proper table functioning, could violate national, state, and local regulations, and could jeopardize your insurance coverage.

*NOTE: A patient grounding post/potential equalization terminal (male connector, DIN 42801) is provided. The mating female connector for patient grounding is not furnished by STERIS.*

**IMPORTANT:** Before connecting the table to your AC power system, ensure table is marked for your power system (100, 120, 220, or 230/240).

Install the table as follows:

1. Position table at desired location. Note that the power cord is 10 ft (3m) long.
2. Lock table in place by fully depressing the Floor Lock Pedal (see Fig. 3-1).
3. Ensure floor locks are tight against the floor. If not, adjust the floor locks as follows:
  - a. Place the Floor Lock Pedal in the unlocked position (see Fig. 3-1).
  - b. Using a wrench, screw the floor locks as far as possible into the table base.
  - c. Place Floor Lock Pedal in the locked position.
  - d. Unscrew floor locks until they are tight against the floor.
  - e. Place the Floor Lock Pedal in the unlocked position and unscrew the floor locks an additional 1/2 turn.
  - f. Place Floor Lock Pedal in the locked position. Repeat **Steps a through e** until table is securely locked in place when the Floor Lock Pedal is depressed.
4. Plug power cord into appropriate socket on table base.
5. Plug power cord into appropriate facility outlet.
6. Route power cord to eliminate Tripping Hazard for facility personnel.
7. Plug Hand Control into appropriate socket on table base. Place Hand Control on table side rail.
8. Before operating the table on battery power, keep the AC power cord plugged in and table IDLE (or operating on AC power) for eight hours minimum. This procedure will ensure the batteries are initially fully charged.

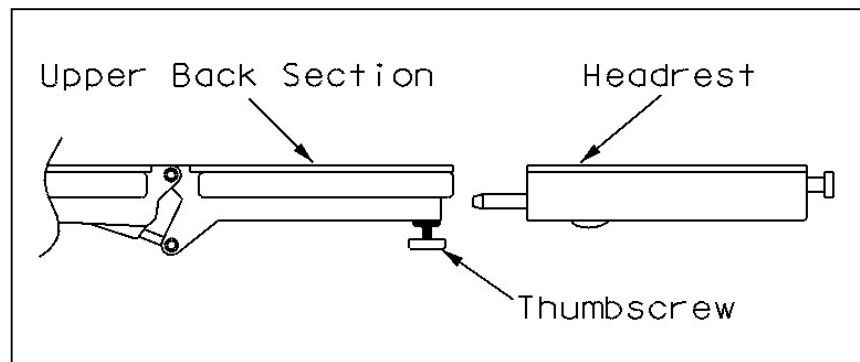


**Figure 3-1. Floor Locks**

9. Attach Headrest to table as follows:

*NOTE: The thumbscrews located under the tabletop frame must be loosened before installing or removing the headrest (see Figs. 2-5 and 3-2).*

- a. Loosen Headrest fastening thumbscrews located under tabletop.
- b. Insert Headrest mounting bars into holes provided in end of Upper Back Section.
- c. Securely tighten thumbscrews to fasten Headrest to Upper Back Section of the tabletop.

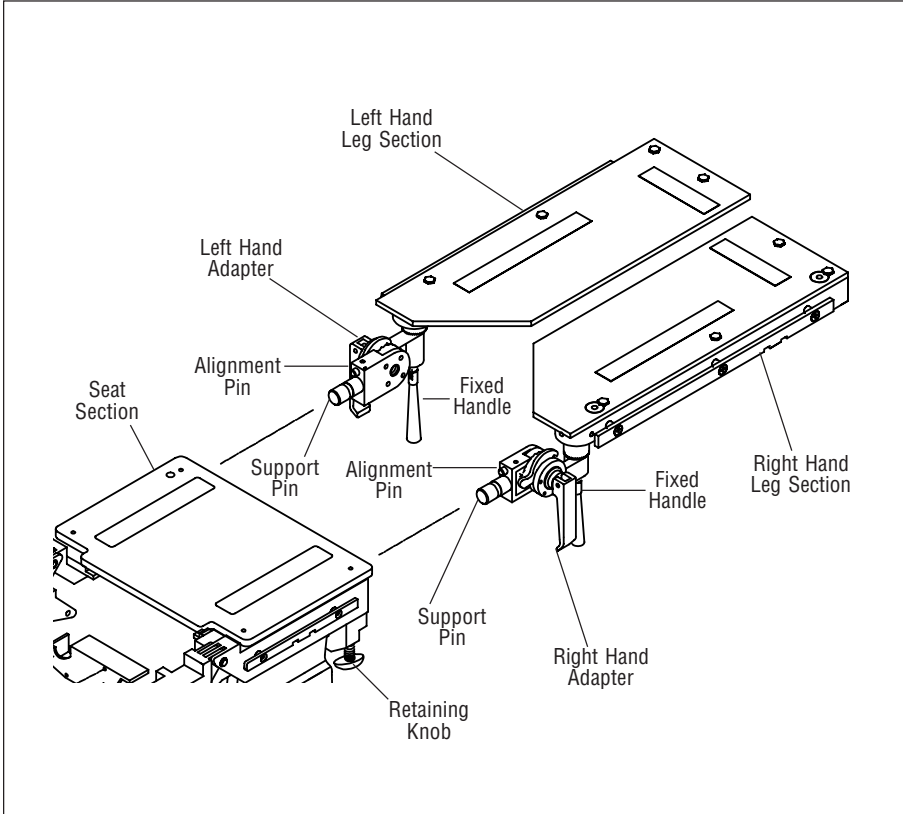


**Figure 3-2. Attaching Headrest**

10. Install Leg Sections onto table as follows (see Fig. 3-3):

- a. Insert each leg adapter (left and right) support pin into large hole in Seat Section. An upper alignment pin should be fully inserted in mating hole.
- b. To hold adapters in place, tighten retaining knobs located under Seat Section (also see Fig. 4-4).
- c. Place mounting post of appropriate Leg Section (left and right) into the adapter now mounted on the Seat Section.
- d. Securely tighten Fixed Handle to fasten Leg Section to adapter mounted on Seat Section.
- e. Repeat **Steps c and d** for remaining Leg Section.

**! WARNING – PERSONAL INJURY HAZARD:** The Table Leg Sections are designed to support the patient legs. Do not put body weight on the Leg Sections.



**Figure 3-3. Attaching Leg Sections**

## 4.1 Operating the Table



### WARNING – PERSONAL INJURY HAZARD:

- Section 4.1, **Steps 1 - 5** in "Operating the Table" must be executed before patient transfer to the table. Execution of **Steps 1 - 5** with the patient on the table could result in injury to both the patient and the operating room staff.
- Healthcare professionals must ensure that patients are positioned and monitored so as to prevent compromising respiration, nerve pathways, or circulation.
- Unanticipated table movement could cause patient injury. Patient must be secured to the table in accordance with recommended positioning practices.
- If the integrity of the external protective earth conductor installation or arrangement is in doubt, operate the table from its internal power source.



### WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:

- Table is factory set to operate at a certain voltage. Use of any other power supply could result in serious personal injury or table damage.
- Use of this table in the presence of flammable anesthetics could result in serious personal injury or table damage.

Operate the ASC 2000™ Ambulatory Surgical Table as follows:

1. Review Pinch Point Warnings as presented in Section 2.1 of this manual.
2. Verify that the power cord is plugged into both the facility outlet and the table receptacle and the Battery Switch is in the ON position.
3. For optimum performance, before attempting to operate the table, **allow the table to reach room temperature** (see Fig. 4-1).
4. Ensure the floor locks are properly engaged (Floor Lock Pedal depressed in Lock position). If not, adjust per **Step 3** of Section 3, *Installation Instructions*, of this manual.
5. After referencing Section 4.3.1, *Hand Control Function Buttons Description*, position the tabletop to parallel with the earth plane.

*NOTE: The ASC 2000 Table Headrest and Leg Sections must be manually adjusted.*

6. Before placing the patient on the table, reference Section 4.2, *Weight Capacity*, in this manual. Assuming the weight of the patient does not exceed the indicated weight capacity for the table, transfer or position patient and ensure the patient is properly restrained (reference Section 2.3, *Patient Safety Straps*, in this manual).

*NOTE: A patient grounding post/potential equalization terminal (male connector, DIN 42801) is provided. The mating female connector for patient grounding is not furnished by STERIS.*




**Figure 4-1. ASC 2000 Ambulatory Surgical Table**

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## 4.2 Weight Capacity

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 **WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** Placing a patient whose weight exceeds the 400-lb (181-kg) weight limit could result in death or serious injury to the patient and the operating room staff, and serious equipment damage.

 **WARNING – TIPPING HAZARD:**

- Do not place patient on the table unless floor locks are engaged.
- Do not release floor locks while patient is on table.
- Do not use this table for patients exceeding the 400-lb (181-kg) limit.

 **WARNING – PERSONAL INJURY HAZARD:** The Table Leg Sections are designed to support the patient legs. Do not put body weight on the Leg Sections.

The table is rated for 400-lb (181-kg) patients. Observe all normal patient orientation guidelines.

*NOTE: When using U-Shaped Headrest accessory, the maximum allowable patient weight is 300 lb (136 kg).*

Distribute the weight as follows:

- 30 lbs (14 kg) Maximum on Headrest
- 90 lbs (41 kg) Maximum on Upper Back Section
- 90 lbs (41 kg) Maximum on Lower Back Section
- 86 lbs (39 kg) Maximum on Seat Section
- 52 lbs (24 kg) Maximum on Each Leg Section

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## 4.3 Hand Control

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### 4.3.1 Hand Control Function Buttons Description

Plug the Hand Control into the port at the top of the column.

*NOTE: The Hand Control automatically deactivates after 70 seconds of nonuse. The Hand Control is reactivated by depressing the "ON" button.*


For the Hand Control function buttons to be operational:

1. The table must be turned on. Reference **Steps 2 and 3** in Section 4.1, *Operating the Table*.
2. The Hand Control must be turned ON. (Press the "ON" function button on the Hand Control; the **Power Indicator** LED on the Hand Control must be illuminated.)

 **WARNING – PINCHING AND TIPPING HAZARD:** Patient injury may result if the operator of this table is not completely familiar with the controls for patient positioning and table operation.

 **WARNING – PERSONAL INJURY HAZARD:**

- **The floor locks must be engaged at all times a patient is on the table. Failure to lock the floor locks before placing a patient on the table or disengaging the floor locks while a patient is on the table could result in the table rolling unexpectedly during the procedure.**
- **The table is not intended for patient transport. Transporting a patient on the table could result in accidental death or serious personal injury to the patient and/or the operating room staff.**

 **CAUTION – POSSIBLE EQUIPMENT DAMAGE:** Hang the Hand Control from side rail of the table when not in use, to avoid possible damage to the control.

The Hand Control pushbuttons (Fig. 4-2) and descriptions are as follows:

*NOTE: Simply release the Hand Control pushbutton when desired ASC 2000 Tabletop position has been reached and table will automatically stop and lock in position. Refer to Section 2.6.2, Ranges of Motion, for the positioning of the following table functions.*

**OFF:** When depressed, all Hand Control function buttons deactivate.

*NOTE: The Hand Control automatically deactivates after 70 seconds of nonuse. The Hand Control is reactivated by pressing the "ON" button.*

**ON:** When depressed, the Hand Control function buttons activate.

**TREND.:** When depressed, the Head Section of the tabletop will lower.

**REV.:** When depressed, the Head Section of the tabletop will rise; or, Foot Section will lower.

**HEIGHT DOWN:** When depressed, the **entire** tabletop will lower.

**HEIGHT UP:** When depressed, the **entire** tabletop will rise.

**TILT LEFT:** When depressed, the tabletop will roll to the left (viewing the table from the head end).

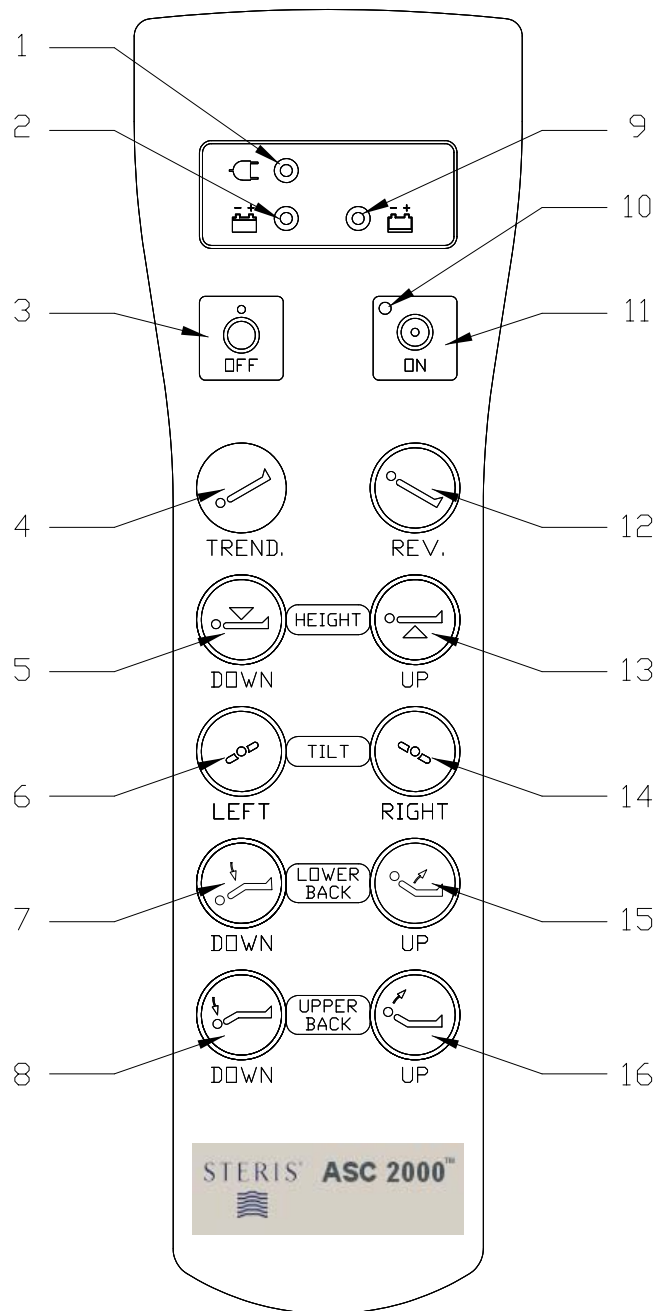
**TILT RIGHT:** When depressed, the tabletop will roll to the right (viewing the table from the head end).

**LOWER BACK DOWN:** When depressed, the Lower Back Section of the tabletop will lower.

**LOWER BACK UP:** When depressed, the Lower Back Section of the tabletop will raise.

**UPPER BACK DOWN:** When depressed, the Upper Back Section of the tabletop will lower.

**UPPER BACK UP:** When depressed, the Upper Back Section of the tabletop will raise.



KEY:

- |                            |                           |
|----------------------------|---------------------------|
| 1. AC Power Indicator      | 9. Low Battery Indicator  |
| 2. Battery Power Indicator | 10. Power Indicator       |
| 3. Control Power OFF       | 11. Control Power ON      |
| 4. Trendelenburg           | 12. Reverse Trendelenburg |
| 5. Height DOWN             | 13. Height UP             |
| 6. Left Tilt               | 14. Right Tilt            |
| 7. Lower Back Section DOWN | 15. Lower Back Section UP |
| 8. Upper Back Section DOWN | 16. Upper Back Section UP |

**Figure 4-2. ASC 2000 Ambulatory Surgical Table Hand Control**



### 4.3.2 Hand Control LEDs Description

The Hand Control has visual LED (Light Emitting Diode) indicators to assist in the table operation (Fig. 4-2). These LEDs are as follows:

**AC Power (green LED):** indicates that the table is receiving facility power to enable table operation.

**Battery Power (green LED):** indicates that the table is receiving power from the table batteries enabling the table to function. This also may indicate an operational situation. Refer to Section 6, *Troubleshooting*, for more information.

**Low Battery (yellow LED):** indicates that the ASC 2000 Ambulatory Surgical Table batteries are low on stored power. Approximately 25 cycles remain before Table shuts down (LED will remain ON). Refer to Section 5, *Routine Maintenance*, for more information.

**Power Indicator (green LED):** indicates the Hand Control is active. The Hand Control automatically deactivates after 70 seconds of nonuse. The Hand Control is reactivated by depressing the "**ON**" button.

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## 4.4 Auxiliary Control System

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The ASC 2000 Ambulatory Surgical Table is equipped with an Auxiliary Control System. This system can be actuated at any time and will allow table operation in the event of primary control malfunction. A row of toggle switches (see Fig. 2-4) located on the front of table base behind a cover panel is used for table movements as long as electrical power is still available.

*NOTE: The ASC 2000 Table Headrest and Leg Sections must be manually adjusted.*

To operate system, proceed as follows:

1. Open cover panel.
2. Toggle POWER TRIGGER switch to ON.
3. Operate the appropriate toggle switch to obtain the needed Tabletop Articulation. Available Tabletop Articulation (if electric pump is operational): **REV., TREND., HEIGHT, SIDE TILT, LOWER BACK, and UPPER BACK.** When toggle switch is released, the tabletop will stop and lock in place.

*NOTE: The Auxiliary Control System deactivates after 70 seconds of nonuse. The Auxiliary Control System is reactivated by toggling the "**POWER TRIGGER**" switch to "**ON**."*

## 4.5 Headrest Operation



**WARNING – PINCHING HAZARD:** When manually positioning table sections, stay clear of potential pinching hazards.

The Headrest is manually adjustable 33° upward and 87° downward from horizontal position. Adjust headrest as follows:

1. While holding headrest securely in one hand, locate release handle (see Fig. 4-3) and pull to release (spring-loaded).
2. Tilt headrest upward or downward to desired position, let go of release handle, then move headrest slightly until ratchet mechanism locks headrest into position.



**Figure 4-3. Headrest Section Positioning**

## 4.6 Leg Section Operation



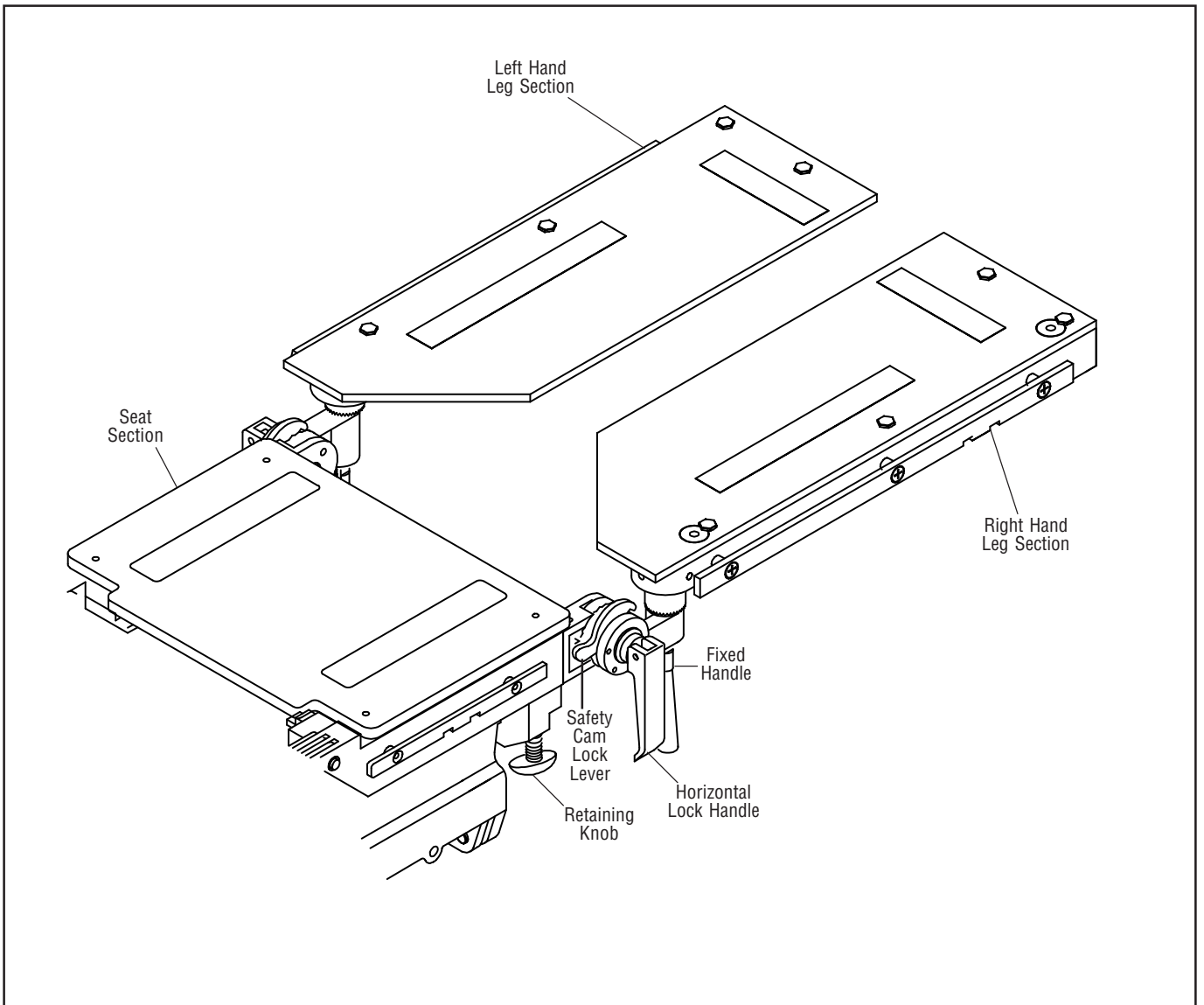
**WARNING – PINCHING HAZARD:** When manually positioning table sections, stay clear of potential pinching hazards.



**WARNING – PERSONAL INJURY HAZARD:** The Table Leg Sections are designed to support the patient legs. Do not put body weight on the Leg Sections.

The ASC 2000 Ambulatory Surgical Table Leg Sections (see Fig. 2-5) are manually adjustable between 0° and 90° downward from the horizontal position. The Leg Sections also swing 90° outward from the center line axis of the table. Adjust leg section to desired positions as follows:

1. UPWARD/DOWNWARD: While holding Leg Section securely in one hand, release Horizontal Lock Handle (on adapter), press down on the Safety Cam Lock Lever, and adjust the horizontal height of the Leg Section to the desired position (see Figs. 4-4 and 3-3). Then tighten Horizontal Lock Handle to lock Leg Section in position.
2. OUTWARD: While holding Leg Section securely in one hand, locate Fixed Handle and turn to release the selected Leg Section. Now, swing the leg section to desired position. Tighten Fixed Handle.
3. Each leg section may be completely removed from the Seat Section by turning the retaining knob counter-clockwise and pulling Leg Section and adapter from the Seat Section.



**Figure 4-4. Leg Section Positioning**

## 4.7 Table Pads

The conductive Tabletop Pads are backed with fastening strips which fasten to mated strips on the tabletop (see Fig. 4-5). To install, proceed as follows:

1. Place pads in position and firmly press fastening strips together.
2. To remove pads, gently “peel” pad away from tabletop.

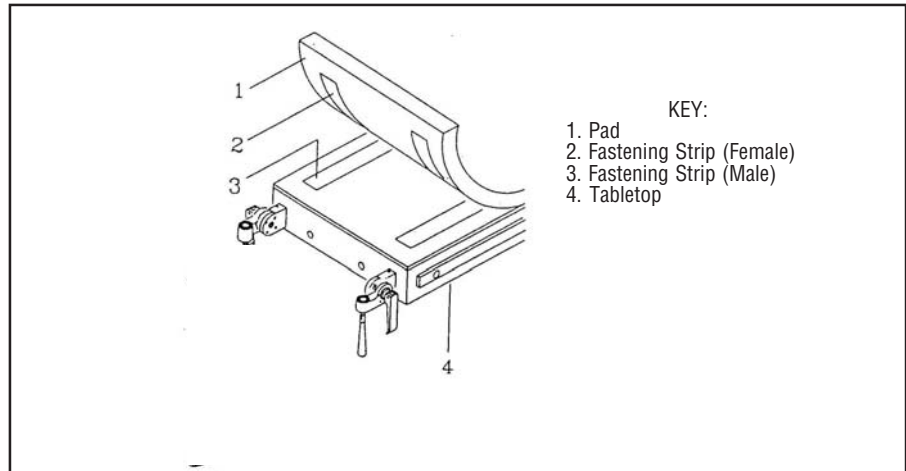


Figure 4-5. Tabletop Pad Installation and Removal

## 4.8 Accessories/Side Rails

### 4.8.1 Permanently Attached Side Rails

**WARNING – PERSONAL INJURY HAZARD:** When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use a worn or damaged accessory. Check installation before using any accessory.

**WARNING – INSTABILITY HAZARD:** Possible patient or user injury, as well as table or accessory failure, may result from using STERIS table accessories for other than their stated purpose - or from using, on STERIS tables, accessories manufactured and sold by other companies.

The standard STERIS permanently attached 3/8" wide x 1-1/8" tall side rails allow for the use of many standard surgery table attachments and accessories. The rails consist of one rail mounted to each side of each tabletop main section.

*NOTE: The Headrest is only supplied with an end rail, no side rails.*

For information on accessory options, see **Table 4-1** and consult STERIS.

#### 4.8.2 Drain Pan

Install the Drain Pan option to the ASC 2000 Ambulatory Surgical Table as follows:

1. Insert rods extending from each side of Drain Pan attachment (see Fig. 4-6) into the bores provided in the end of Seat Section.
2. Reach under tabletop frame and fully tighten the two thumbscrews (one on each side of frame) to secure the Drain Pan attachment in place.
3. Connect flexible tubing to the bottom of the Drain Pan for routing drainage fluids to a remote container.

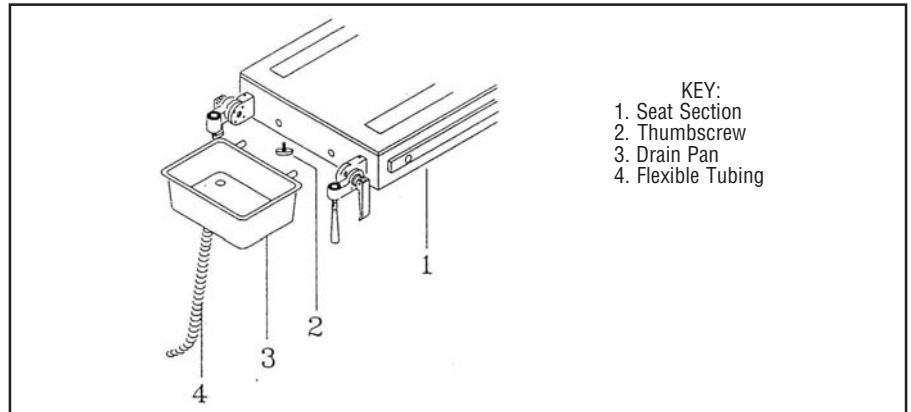


Figure 4-6. Attach Drain Pan Accessory to Tabletop

**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** The X-Ray Cassette Top accessory back section spans both the upper and lower table back sections. Failure to keep the table upper and lower back sections parallel with each other can cause equipment damage and injury.

**WARNING – PERSONAL INJURY HAZARD:** When installing any table accessory, check for correct attachment and tighten securely (if appropriate). Do not use a worn or damaged accessory. Check installation before using any accessory.

**WARNING – INSTABILITY HAZARD:** Possible patient or user injury, as well as table or accessory failure, may result from using STERIS table accessories for other than their stated purpose - or from using, on STERIS tables, accessories manufactured and sold by other companies.

Table 4-1. ASC 2000 Ambulatory Table Specific Accessories\*

Accessory	Equipment/Part Number
Foot Rest (Left)	MTPA09
Foot Rest (Right)	MTPA10
Drain Pan	MTPA16
U-Shaped Head Rest	MTPA13
X-Ray Cassette Top	MTPA19
Pelvic Section Extension	MTPA32
Ophthalmic Headrest (with Surgeon Wrist Support)	MTPA33
Foot Controller	MTPA28

\* Contact STERIS for ordering information.

## 5.1 Read Before Performing Routine Maintenance



### WARNING – PERSONAL INJURY AND / OR EQUIPMENT DAMAGE HAZARD:

- Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Non-routine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, result in improper equipment performance, invalidate the warranty, or result in costly damage. Contact STERIS regarding service options.
- Regularly scheduled preventive maintenance is essential for safe and reliable operation of the equipment. Contact STERIS to schedule preventive maintenance.

The routine maintenance procedures described in this section of the manual should be performed as indicated in the following sections and **Table 5-2, Preventive Maintenance Schedule**. Any maintenance procedures not included in this section should be performed only by STERIS-trained service personnel fully acquainted with the equipment.

In addition to the routine maintenance described in this section, regularly scheduled preventive maintenance is essential for safe and reliable operation of the equipment. Annual Maintenance Agreements are available to provide scheduled maintenance, adjustments, and replacement of worn parts performed by a qualified technician, to assure peak equipment performance and avoid unscheduled downtime. Contact STERIS for details.

Maintain a record of all maintenance procedures performed on this ASC 2000™ Ambulatory Surgical Table. If a problem occurs, refer to Section 6, *Troubleshooting*, or contact STERIS.

*NOTE: Never permit unqualified persons to service this equipment.*

## 5.2 Cleaning the Table



**WARNING – INFECTION HAZARD:** To protect against aerosols being reflected from contaminated surfaces, wear rubber or plastic gloves, masks and eye protection, and follow OSHA blood-borne pathogens standards when cleaning.



**WARNING – PERSONAL INJURY HAZARD:** When cleaning/disinfecting table, do not use phenolics, which may cause patient skin burns if inadequately rinsed off, or alcohol, which does not have sufficient cleaning/disinfection properties.

See **Table 5-1** for recommended cleaning products. Clean the entire table per the following procedures.

**Table 5-1. Recommended Cleaning Products\***

Product Name	Product Use
Coverage® Spray HB Ready-to-Use Disinfectant Cleaner	Hospital-grade quaternary-based disinfectant spray
Coverage® HB Concentrate	EPA-registered Hepatitis-B-effective quat
T.B.Q.® Environmental Disinfectant Cleaner	Detergent-based germicide
Coverage Plus® Concentrated Disinfectant Cleaner	One-step germicide disinfectant cleaner
Coverage® Spray Ready-to-Use Disinfectant Cleaner	General cleaner/disinfectant formulated with quaternary ammonium compounds and nonionic detergents
Germicidal Cloth Impregnated Non-Woven Disposable	Surface disinfectant

\* Contact STERIS for ordering information.


## 5.2.1 General


Use the following materials to perform the cleaning procedures described in this section:

- Several clean, dry lint-free cloths.
- Container of clean water.
- Cleaning products listed in **Table 5-2, Recommended Cleaning Products**.

*NOTE: When using disinfectants, follow all manufacturer's label recommendations.*

## 5.2.2 After Each Usage

 **WARNING—INFECTION HAZARD:** To protect against aerosols being reflected from contaminated surfaces, wear rubber or plastic gloves, masks and eye protection, and follow OSHA blood-borne pathogens standards when cleaning.

 **WARNING – PERSONAL INJURY HAZARD:** When cleaning/disinfecting table, do not use phenolics, which may cause patient skin burns if inadequately rinsed off, or alcohol, which does not have sufficient cleaning/disinfection properties.

 **CAUTION – POSSIBLE EQUIPMENT DAMAGE:**

- When cleaning/disinfecting table, thoroughly read the cleaning fluid directions for use and follow all directions and cautions as shown.
- Cleaning procedures requiring articulation of the table should be performed only by persons familiar with table operation.
- Do not spray cleaning fluid into electric receptacles and avoid spraying directly on emergency backup buttons or into clearance space. Spray or drippage may settle onto electric circuits inside table causing corrosion and loss of function.
- After performing cleaning procedures, ensure pads and tops are completely dry before reinstalling.
- After performing cleaning procedures, ensure pads and X-ray tops are completely dry before reinstalling. Moisture trapped between pads and X-ray tops may contribute to equipment damage, such as X-ray top warpage.

After each use of the ASC 2000 Ambulatory Surgical Table, clean/disinfect as follows:

1. Remove gross soil with a disposable cloth and place used cloth in an appropriate biohazardous waste disposal container.
2. Clean tabletop as follows:
  - a. Articulate tabletop to level condition and place at a comfortable working height.
  - b. Gently "peel" pad away from tabletop fastening strips and place on another table or flat surface.
  - c. Hold can 6-8" (152-203 mm) from surface and spray cleaning fluid liberally on top and sides of pads. (It is recommended to clean only one pad at a time.)
  - d. Wipe sprayed surfaces with a clean lint-free cloth dampened with water to remove cleaning fluid (dampening cloth will minimize streaking).
  - e. Wipe the cleaned surfaces again with a clean, damp lint-free cloth to remove residue.
  - f. Wipe the cleaned surfaces again with a clean, dry, lint-free cloth to remove all moisture.
  - h. Repeat **Steps c, d, and e** for other pads. Repeat **Steps c, d, e, and f** for tabletop surfaces exposed when pads are removed. Thoroughly dry bottom of pads and tabletop surfaces.
  - i. Place pads back onto tabletop by aligning with sides of table and pressing into place on the fastening strips.
3. Raise table to maximum height to access lower surfaces.
4. Clean yoke, shrouds, and entire base surface as follows:
  - a. Hold can 6-8" (152-203 mm) from surface and spray cleaning fluid liberally on yoke and shrouds.
  - b. Wipe sprayed surfaces with a clean cloth dampened with water to remove cleaning fluid (dampening cloth will minimize streaking).
  - c. Wipe the cleaned surfaces again with a clean, damp, lint-free cloth to remove residue.
  - d. Repeat **Steps a, b, and c** for base surface.
5. Turn Hand Control OFF when cleaning is finished.

### 5.2.3 End-Of-Day Cleaning Procedure

At the end of each day, perform the cleaning procedures as outlined in Section 5.2.2, *After Each Usage*.

### 5.2.4 Weekly Cleaning Procedure

After each weekly use of the ASC 2000 Ambulatory Surgical Table, clean/disinfect table as follows:

1. Perform **Steps 1 through 4** of the Section 5.2.2, *After Each Usage*.
2. Check table casters for any accumulated debris and clean as follows:
  - a. Ensure the floor locks are properly engaged (Floor Lock Pedal depressed in Lock position). If not, adjust per **Step 3** of Section 3, *Installation Instructions*, of this manual.
  - b. Hold cleaner spray can 6-8" (152-203 mm) from caster and spray cleaning fluid liberally on the caster.
  - c. Wipe caster with a cloth, dampened with water, to remove cleaning fluid and debris.
  - d. Perform **Steps b and c** for the remaining three casters.
3. Articulate table through all movements and clean all additional surfaces exposed during these articulations as follows:
  - a. Hold spray cleaner can 6-8" (152-203 mm) from surface to be cleaned and spray cleaning fluid liberally on surface.
  - b. Wipe sprayed surfaces with a clean lint-free cloth, dampened with water to remove cleaning fluid.
  - c. Wipe cleaned surfaces again with a clean, damp, lint-free cloth remove any remaining residue.
4. Turn Hand Control OFF when finished with cleaning procedure.

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## 5.3 Bi-Weekly Maintenance

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Operate each ASC 2000 Ambulatory Surgical Table function (refer to Section 4, *Operating Instructions*). Operation should be smooth and quiet. If table operation is not smooth, have a qualified technician repair the table. Never permit inexperienced, unqualified persons to attempt to make any repairs to the table.

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## 5.4 Monthly Maintenance

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Check ASC 2000 Ambulatory Surgical Table casters and floor locks for any accumulated debris and clean as follows:

1. Ensure the floor locks are properly engaged (Floor Lock Pedal depressed in Lock position). If not, adjust per **Step 3** of Section 3, *Installation Instructions*, of this manual.
2. Hold spray cleaner can 6-8" (152-203 mm) from caster and spray cleaning fluid liberally on the caster.
3. Wipe caster with a cloth, dampened with water, to remove cleaning fluid and debris. Ensure items such as suture, oils, and floor wax are removed.
4. Perform **Steps 2 and 3** for the remaining three casters.



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## 5.5 Battery Charging Procedure

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**IMPORTANT:** Batteries are recharged automatically as long as the BATTERY SWITCH is set to **ON** and the AC power is connected to the ASC 2000 Ambulatory Surgical Table.

Batteries will require recharging on a periodic basis depending on frequency of table usage. Low or discharged battery conditions are indicated by Low Battery Indicator on the Hand Control (see Fig. 4-2 and Section 4.3.2).

Lead acid batteries last longer if not fully discharged. Therefore, to obtain the longest life and capacity from your ASC 2000 Ambulatory Surgical Table batteries, always connect AC power cord to table base and plug into an appropriate AC receptacle as often as possible, and as long as possible, with the BATTERY SWITCH set to **ON**. If this is not always possible, recharge batteries at the following times:

- Every 10 days when the table is in normal service; more often if usage demands.
- Whenever Low Battery Indicator is ON.
- If the table remains in extended storage for longer than three months; batteries must be charged every three months.

*NOTE: If the sealed lead-acid gel electrolyte-type batteries do not charge, check for the following:*

- 1) *F1 and F2 fuses are blown - replace (see Fig. 2-4 and Section 5.7, Replacement Parts).*
- 2) *AC power cord is defective - replace if necessary.*
- 3) *BATTERY SWITCH is OFF.*
- 4) *Charger Circuit is not operating.*

Recharge batteries as follows:

1. Connect AC power cord to table base and plug into an appropriate AC receptacle.
2. Turn the BATTERY SWITCH to **ON**.
3. Allow approximately 48 hours for full battery charge.
4. Verify Low Battery Indicator on the Hand Control is OFF. Disconnect AC power.

## 5.6 Preventive Maintenance Schedule



**WARNING – PERSONAL INJURY AND / OR EQUIPMENT DAMAGE HAZARD:** Failure to perform periodic inspections of the table could result in serious personal injury or table damage.

Maintenance procedures described in Sections 5.2 through 5.5 must be performed regularly at the indicated intervals. Use the Preventive Maintenance Schedule in **Table 5-2** as a guide for further ASC 2000 Ambulatory Surgical Table maintenance. Table usage may require more frequent maintenance than indicated. Refer to Section 5.7 for *Replacement Parts*.

Customer should maintain a record of all maintenance procedures performed on the table.

If a problem occurs, refer to Section 6, *Troubleshooting*.

*NOTE: Never permit unqualified persons to service the table and Preventive Maintenance is not covered under warranty.*

**Table 5-2. Preventive Maintenance Schedule for ASC 2000 Ambulatory Surgical Table**

Service Required	Minimum Frequency
<p><b>1.0 PREPARATION FOR PREVENTIVE MAINTENANCE</b></p> <p>1.1 Discuss equipment operation with department personnel.</p> <p>1.2 Remove pads. Examine pad covers and fastening strips (pads and table).</p> <p>1.3 Examine clamps and other side rail hardware.</p> <p>1.4 Tighten side rails.</p> <p>1.5 Unfasten and remove table shrouds and base cover.</p> <p>1.6 Remove the cassette tops on each table section.</p>	<p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p>
<p><b>2.0 HYDRAULIC SYSTEM</b></p> <p>2.1 Replace oil filter element.</p> <p>2.2 Check hydraulic oil level.</p> <p>2.3 Inspect floor directly beneath table and all hoses, fittings, and components of hydraulic system for evidence of oil leaks.</p>	<p>1x per year</p> <p>1x per year</p> <p>1x per year</p>
<p><b>3.0 CASTERS AND FLOOR LOCKS</b></p> <p>3.1 Clean and inspect casters.</p> <p>3.2 Lubricate casters.</p> <p>3.3 Check floor-lock mechanism for proper operation.</p>	<p>1x per year</p> <p>1x per year</p> <p>1x per year</p>
<p><b>4.0 CONTROLS</b></p> <p>4.1 Using Hand Control or Foot Control, check table positioning.</p>	<p>1x per year</p>
<p><b>5.0 ELECTRICAL CHECKS</b></p> <p>5.1 Check that all circuit board connectors and cable plugs are tight.</p> <p>5.2 Check all cables for damage or fraying.</p> <p>5.3 Inspect electrical cord and hand control cable.</p> <p>5.4 Verify operation of Auxiliary Control Switches</p>	<p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p>
<p><b>6.0 TABLETOP OPERATION</b></p> <p>6.1 Check operation of Lower Back Section.</p> <p>6.2 Check operation of Upper Back Section.</p> <p>6.3 Check operation of Leg Sections.</p> <p>6.4 Check lateral tilt operation.</p> <p>6.5 Check Trendelenburg, then Reverse Trendelenburg operation.</p> <p>6.6 Check raise and lower operation.</p> <p>6.7 Check Headrest Section operation.</p>	<p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p> <p>1x per year</p>

**Table 5-2. Preventive Maintenance Schedule for ASC 2000 Ambulatory Surgical Table (Cont'd)**

Service Required	Minimum Frequency
<b>7.0 TABLE RIGIDITY</b>	
7.1 Check tabletop for any horizontal or vertical play.	1x per year
7.2 Check side tilt mechanism for any play.	1x per year
7.3 Check raise/lower mechanism for any play.	1x per year
7.4 Check for any play in floor-lock legs.	1x per year
<b>8.0 FINAL TEST</b>	
8.1 Examine all lubricated parts. Apply lubrication as needed.	1x per year
8.2 Secure all covers and shrouds.	1x per year
8.3 Reinstall any pads that were removed. Check for rips, tears, etc.	1x per year
8.4 Inspect area to ensure removal of all materials used during inspection.	1x per year

## 5.7 Replacement Parts

The parts listed in this section are those that would be necessary to do minor maintenance on the ASC 2000 Ambulatory Surgical Table.

To order replacement parts, proceed as follows:

1. Include the part number and description listed in **Table 5-3**.
2. Include the model and serial numbers of your equipment on your order.
3. Send your order directly to STERIS.

*NOTE: For Replacement Parts, note the following:*

- 1) *Use only STERIS authorized parts on the equipment. Use of unauthorized parts will void the warranty.*
- 2) *This table uses lead-acid batteries. Lead-acid batteries normally are subject to self-discharge and battery-life deterioration in long-term storage. Therefore, STERIS does not recommend that batteries be procured and then stored as spare parts. If batteries are procured and stored, they should be kept covered and in a cool, dry area. Stored batteries should be recharged every six months to minimize deterioration. Use a charging current commensurate with the battery amp-hour size. Charge to a floating charge voltage equivalent to 13.6-13.8 volts.*

**Table 5-3. Replacement Parts**

DESCRIPTION	PART NUMBER	RECOMMENDED SPARES
Hand Control Assembly	MTA384	1
Table Control PCB Assembly	MTA528	1
Power Cord	MT0002257	1
Fuses (F1/F2), 120 VAC, 5A	MT9157155	10
Fuses (F1/F2), 220 VAC, 3A	MT9157153	10
Pad, Head Section	MT0004119	1
Pad, Back Section	MT0004120	1
Pad, Leg Section (Right)	MT0004121	1
Pad, Leg Section (Left)	MT0004121	1



**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:**

- Failure to perform periodic inspections of the table could result in serious personal injury or table damage.
- Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Nonroutine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, invalidate the warranty, or result in costly damage. Contact STERIS regarding service options.



**CAUTION – POSSIBLE EQUIPMENT DAMAGE:**

When moving the table to or from the point of use, roll it carefully at moderate speed and only over smooth floors. Maximum floor clearance is 1/4" (6.4 mm). Avoid door and elevator jambs, and obstructions greater than 1/4" (6.4 mm). If necessary, lift table over obstructions, onto trucks, etc. Lift table evenly and only by the table base. DO NOT transport articles (including accessories) on top of the table, and DO NOT use a forklift to move uncrated table.

This section of the manual describes the types of table malfunctions which may occur and indicates probable causes.

If you are unable to correct the situation following the Troubleshooting Chart (or if a problem occurs which is not described on the chart) or Routine Maintenance Section of this publication, please contact STERIS. Service charges may be incurred, consult your warranty for details. A trained service technician will promptly place your ASC 2000™ Ambulatory Surgical Table in proper working order.

*NOTE: Never permit unqualified persons to service the table. If you are unable to correct a table malfunction, please contact STERIS.*


**Calling For Service:** First, try to define the situation and determine whether you can solve it yourself (see **Table 6-1**). If you can't solve the situation, call STERIS and give the following information for the table: model number, serial number, date of purchase.


**Table 6-1. Troubleshooting Chart**

SITUATION	ACTION
1. Hand Control AC POWER does not light when table is plugged into electrical outlet.	<ol style="list-style-type: none"> <li>1. Fuse F1 or F2 blown - replace.</li> <li>2. Faulty power cord - replace.</li> <li>3. Hand Control not plugged in properly – correct.</li> <li>4. Faulty Hand Control** – replace.</li> <li>5. Call STERIS.*</li> </ol>
2. No POWER INDICATOR light when <b>ON</b> button is pressed.	<ol style="list-style-type: none"> <li>1. Hand Control not plugged in properly – correct.</li> <li>2. Faulty Hand Control** – replace.</li> <li>3. Call STERIS.*</li> </ol>
3. No functions using Hand Control.	<ol style="list-style-type: none"> <li>1. Hand Control not plugged in properly – correct.</li> <li>2. No Power - table deactivates after 70 seconds of non-use. Press <b>ON</b> button on Hand Control.</li> <li>3. Faulty Hand Control** – replace.</li> <li>4. Call STERIS.*</li> </ol>
4. Table will not tilt right/left using Hand Control.	<ol style="list-style-type: none"> <li>1. Hand Control not on – press <b>ON</b> button.</li> <li>2. Faulty Hand Control** – replace.</li> <li>3. Call STERIS.*</li> </ol>
5. Table will not Trendeleburg/Reverse Trendeleburg using Hand Control.	<ol style="list-style-type: none"> <li>1. Hand Control not on – press <b>ON</b> button.</li> <li>2. Faulty Hand Control** - replace.</li> <li>3. Call STERIS.*</li> </ol>
6. Table will not raise/lower using Hand Control.	<ol style="list-style-type: none"> <li>1. Hand Control not on – press <b>ON</b> button.</li> <li>2. Faulty Hand Control** - replace.</li> <li>3. Call STERIS.*</li> </ol>

\* Service charges may be incurred. Consult your warranty for details.

\*\* Use Auxiliary Control Switches if Hand Control is faulty (see Section 2.4).

 **WARNING – DISPOSAL HAZARD:** This product contains materials which may require disposal through appropriately licensed and permitted hazardous waste management firms.

 **CAUTION – POSSIBLE EQUIPMENT DAMAGE:** Use of incorrect hydraulic oil may severely damage the table and/or cause malfunction. Contact STERIS for proper hydraulic oil.

The following materials are contained within the table. When disposing of the table or its parts, ensure the proper disposal of hazardous and other regulated waste in compliance with federal, state, and local regulations.

**Lead Acid (Pb/H<sub>2</sub>SO<sub>4</sub>):** gelled cell batteries located in the table base at the head end of the table. Approximate weight 5 lb (2 kg).

**Lead (Pb) in Solder:** contained in solder on circuit boards and in some miscellaneous wire connections. Minute amounts.

**Electronic and Electrical Parts:** not known to require special disposal at date of this manual.

**Metal Parts:** made from aluminum (Al), steel (Fe), cast iron (Fe), copper (Cu), and copper alloys (Cu/x), plastic, synthetic rubber, plating (Cr, Ni, Zn, Au), and adhesives not known to require special disposal methods at date of this manual.

**Hydraulic Oil:** contained in hydraulic components located in the base, column, seat section, back section, and hydraulic system lines and hoses.