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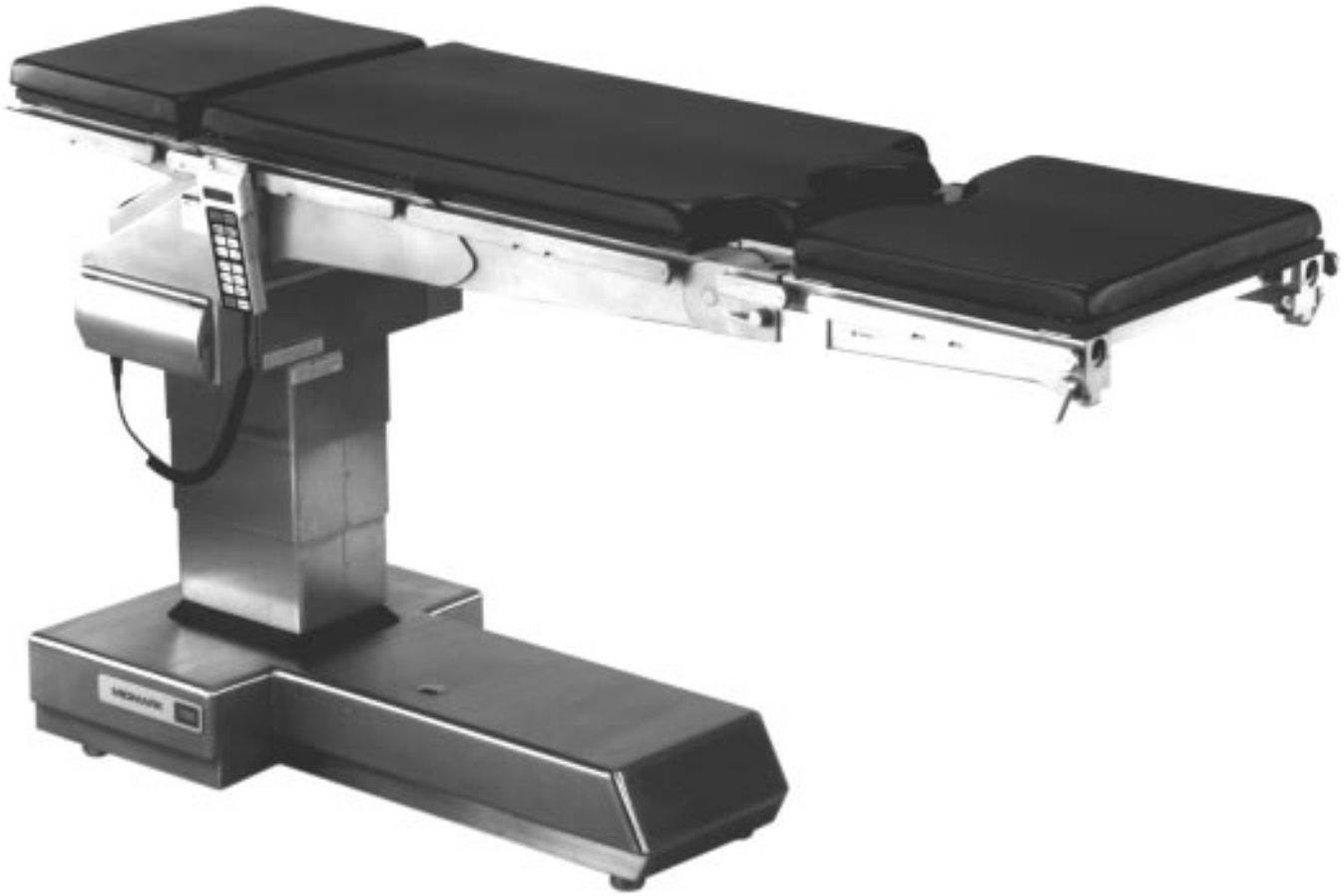
Ohio Medical Instrument Company, Inc.

Installation and Operation Manual

7100 General Surgical Table



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Owner's Product Identification

(information that you'll need to provide for servicing - key information is highlighted)

Date of Purchase

Model Number

Serial Number

Calling for Service

Try to define the problem and then determine whether or not you can solve the problem yourself. If you can't solve the problem, have the information above completed and available and call your authorized OMI Dealer. If you have trouble contacting your dealer, call OMI at the following number:

1-800-755-6381;

8:00 AM until 5:00 PM (Eastern Standard time in the U.S.);

Monday thru Friday, except for standard U.S. holidays.

Name of Owner/Facility/Department

Telephone # of Authorized Dealer

Name of Authorized Dealer

Address of Authorized Dealer

Contents

LIMITED WARRANTY

SCOPE OF WARRANTY
OMI warrants to the original purchaser its new Surgical products and components (except for components not warranted under “Exclusions”) manufactured by OMI to be free from defects in material and workmanship under normal use and service. OMI’s obligation under this warranty is limited to the repair or replacement, at OMI’s option, of the parts or the products the defects of which are reported to OMI within the applicable warranty period and which, upon examination by OMI, prove to be defective.

APPLICABLE WARRANTY PERIOD
The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

EXCLUSIONS
This warranty does not cover and OMI shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the OMI “Installation” and or “Installation / Operation Manual for this applicable product. (3) products considered to be of a consumable nature; (4) accessories or parts not manufactured by OMI; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by OMI.

EXCLUSIVE REMEDY
OMI’s only obligation under this warranty is the repair or replacement of defective parts. OMI shall not be liable for any direct, special, indirect, incidental, exemplary, or consequential damages or delay, including, but not limited to, damages for loss of profits or loss of use.

NO AUTHORIZATION
No person or firm is authorized to create for OMI any other obligation or liability in connection with the products.

THIS WARRANTY IS Ohio Medical Instrument Company’s ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. OMI MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.

SF-1490 REV. A1

IN THE EVENT OF SHIPPING DAMAGE

THESE GOODS LEFT OUR FACTORY IN PERFECT ORDER and we hold the carrier's receipt for them in this condition.
IF THESE GOODS ARE DAMAGED in transit, such damaged goods should either be refused, or not accepted until the transportation company's agent has noted on the freight bill, which he will give you, the nature and extent of the damage. He is required to do this. In the same manner, if any goods are lost in transport, have the shortage noted on the freight bill by the agent.
CONCEALED DAMAGE. If there should be damage of such nature that it could not be detected until the goods were unpacked have the transportation company's agent call at once and inspect them. Require him to give you a "concealed" bad order report, stating the condition of the above goods when examined. It is his duty to do this and you should insist upon it.
IF THE ABOVE INSTRUCTIONS ARE COMPLIED WITH, we will assist you in establishing claims against the transportation companies for loss and damage in transit.
WE DO NOT ACCEPT GOODS RETURNED FOR CREDIT, EXCHANGE, REPAIRS, or for any other reason, unless you have first communicated with us and secured our written permission.

IMPORTANT INSTRUCTIONS

A primary concern of OMI is that this equipment be operated and maintained with the safety of the users in mind. To assure safer and more reliable operation, do the following: (1) Read this manual before operating your equipment; (2) Assure that appropriate personnel understand the contents of this manual--responsibility of the

purchaser; (3) Understand the instructions contained in this manual before attempting to install this equipment.

EXPLANATION OF SAFETY SIGNALS

DANGER

Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations.

WARNING

Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

EQUIPMENT ALERT

Indicates an imminently or potentially hazardous situation, which, if not avoided, will or may result in serious, moderate, or minor equipment damage.

NOTE

Note is used to amplify an operating procedure, practice, or condition.

GENERAL OPERATION

INTRODUCTION

This manual contains instructions for the installation, operation, and normal care of the 7100 General Surgical Table.

This table is designed to facilitate general surgery procedures. The table's excellent image amplification (I.A.) capability allows superior C arm access due to the eccentrically located column. Its stainless steel construction gives the table strength and cleanability unmatched by conventional plated or painted surgical tables.

The 7100 surgical table has six powered functions: A powered floor locking mechanism, powered height adjustment, and powered lateral tilt, trendelenburg, seat, and leg section positioning. In addition, the user has the ability to position the table in the flex/reflex positions with the press of a single button. The Return To Level feature also allows one button control to return the table top to a flat configuration.

The table's head section is manually adjustable with gas spring assist.

The 7100 surgical table can accept positioning commands from three sources: the pendant hand control, the optional foot control, or the emergency control. The pendant hand control connects to the table via a coil cord. It can be hung on the table's side rails when not in use. The foot control also connects to the table with a cord. The surgeon can use it to position the table without the use of his/her hands, thus preventing a breach of the sterile field. Every 7100 surgical table has a set of emergency controls located under a cover on the right hand side of the table. These controls can be used to position the table in the event that the hand or foot controls become inoperable.

The pendant hand control, optional foot control, and the emergency controls are all water resistant.

Emphasis was placed on redundant systems when designing the 7100 surgical table. A back up motor-pump has been provided in the event that the primary motor-pump becomes disabled; and if the batteries become fully discharged, the table can be run directly from line power for limited periods of time by connecting the power cord to an equivalent wall outlet marked "hospital grade".

UNPACKING AND INSTALLING

1. Remove the carton top and plastic sheet covering the table. To avoid damage to contents, do not cut packing materials with a knife or any other sharp object.

2. Inspect the contents for shipping damage. If shipping damage has occurred, do not disturb any other packaging materials before contacting the shipping company. If no shipping damage has occurred, continue to unpack the table.

3. Remove the shipping plug from the table's hydraulic fluid reservoir, located in the base. Replace it with the vent plug that has been packaged with the shipping materials. This **must** be done before operating any of the table's powered functions. Failure to do so may cause the reservoir to rupture. DO NOT CONTINUE UNTIL THIS STEP HAS BEEN COMPLETED.

WARNING

Remove shipping plug and install vent plug in reservoir before operating table. Use only ISO Viscosity Grade 32 premium hydraulic fluid in the hydraulic system.

4. Locate the pendant hand control that has been packaged with the table. Plug the cord of the control into the port located on the bottom right side of the table top. Hang the control on one of the table's side rails when not in use.

FIGURE 1 ..... Hand and Foot Control Ports

5. Using the hand control, press the "ENABLE/LOCK" button. The readout at the top of the control should display a message stating that the floor locks are being engaged. (Note that the control will stay enabled for only ten seconds after a hand control button has been pressed, and then shut off automatically.)

Note

If the hand control does not respond when turned on, it may mean that the table's battery system needs to be charged. Using the provided charging cord, plug the table in to a 115 VAC, 60 Hz hospital grade receptacle. Allow the batteries to charge for one half hour, remove the charging cord, and continue with step 5.

6. Remove the styrofoam packaging that are located along each end of the base.

7. Remove the wood block from beneath the skid platform under the narrow end of the base. By doing this it will become possible to tilt the skid in order to roll the table off.

8. Using two people, take hold of each side of the table. Press the "ENABLE/LOCK" button and then press and hold the "UNLOCK" button for three seconds in order to release the floor locks. Both buttons must be held simultaneously for three consecutive seconds in order to disengage the floor locks. The table is now on its casters and able to roll. Carefully roll the table towards the end of the skid that no longer is supported by the wood block.

WARNING

Keep hands and feet clear of the platform and table base when it is tipped for unloading. Personal injury could result.

The skid should tip and come to rest on the platform, allowing the table to be rolled off. Remember to always hang the hand control on a side rail when not in use.

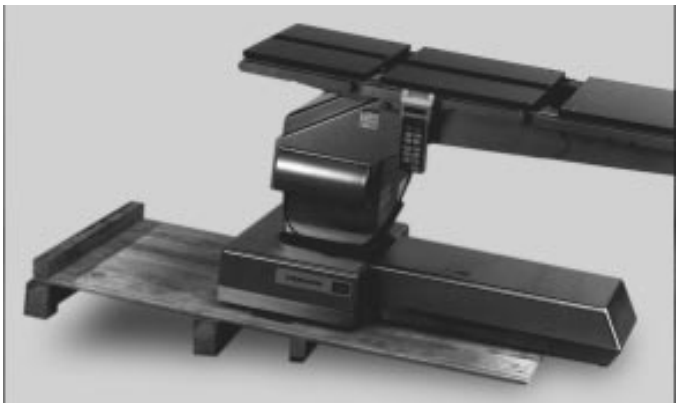

FIGURE 2 ..... Table and Skid

9. After the table has been removed from the skid, sort through any remaining packaging to make certain that no parts are accidently thrown out.

10. Remove all packaging from the leg section and install it on the foot end of the table. Notice the operation of the latches.

11. Locate the cushions and remove them from their protective bags. Note that the cushions are designed to be installed with Velcro. Make sure that the table top boards are clean; remove the backer from the self adhesive Velcro strip on each cushion and carefully place each cushion in its proper place on the table top. Use sufficient pressure to secure the Velcro to the table.

12. The table should now be plugged in and allowed to charge. The provided three prong hospital grade plug must be inserted into a grounded, non-isolated, correctly polarized 115 VAC, 60 Hz hospital grade receptacle.

WARNING **EQUIPMENT ALERT**

Use of any other power supply other than 115 Volt, 60 Hertz alternating current could result in personal injury or table damage.

WARNING **EQUIPMENT ALERT**

Use of this table in an explosive or oxygen enriched atmosphere could result in personal injury or table damage.

OPERATION OF TABLE

For optimum performance, allow the table to reach room temperature before operating.

Note
Operation of table is possible by running off of line power for limited periods of time (with table plugged in) or by running off of battery power. OMI recommends that the 7100 surgical table be plugged in and allowed to charge for eight to twelve hours before actual use.

Note
The 7100 surgical table employs a microcomputer to interpret hand and foot control commands and to give priority to the hand control. Information on the status of the computer, batteries, table movements, and operating instructions are shown on the hand control display. See Appendix A, "Pendant Hand Control Messages", for a full explanation of readouts. Should the microcomputer fail while a patient is on the table, it is still possible to operate the table; see "Emergency Operation" section of this manual.

WARNING **EQUIPMENT ALERT**

If the table malfunctions, immediately remove your hand or foot from the control button. For emergency operation of the table, see "Emergency Operation" section of this manual. Do not use table again until serviced.

PATIENT WEIGHT CAPACITIES & BASIC TABLE POSITIONS

The 7100 surgical table top sections can be arranged in two basic positions. These positions, and their corresponding patient weight ratings, are shown in figures 3 and 4. Both table top configurations are achieved by placing the removable head section into either end of the table. The head section can be locked in place using the latches located on the sides of the table.

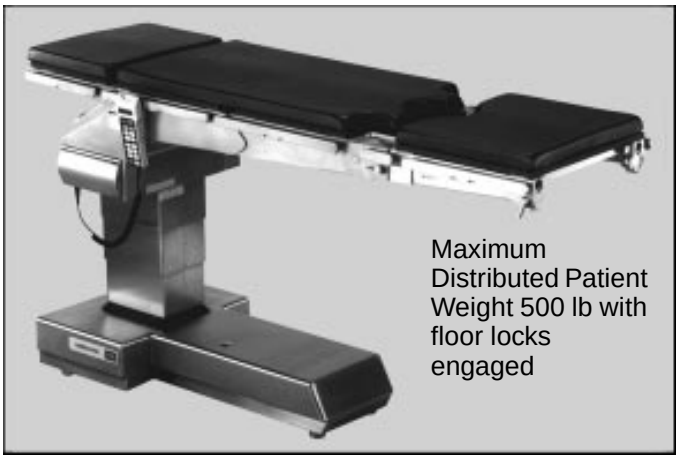

FIGURE 3 ..... Normal Position

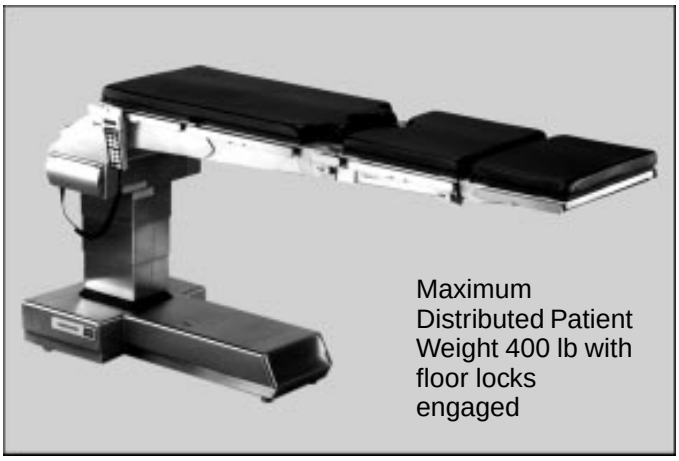

FIGURE 4 ..... Reverse Position

WARNING **EQUIPMENT ALERT**

Do not exceed the maximum patient weight limit. The maximum patient weight to be placed on the head section is 40 lb. The maximum patient weight to be placed on the leg section is 200 lb.

PENDANT HAND CONTROL AND OPTIONAL FOOT CONTROL

The pendant hand control consists of 16 buttons. A photograph of the hand control and a brief description of each button's function is shown in Figure 5.

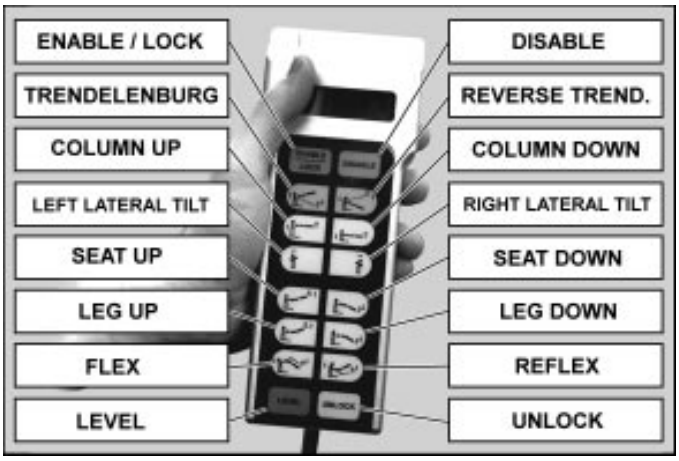

FIGURE 5 ..... Hand Control

The optional foot control connects to the table with a cord that plugs into a port alongside the pendant hand control connecting port. Using the foot control the user can operate the trendelenburg, height, and lateral tilt powered functions while the table is in the normal position. The foot control is disabled when the table is in the reverse position.

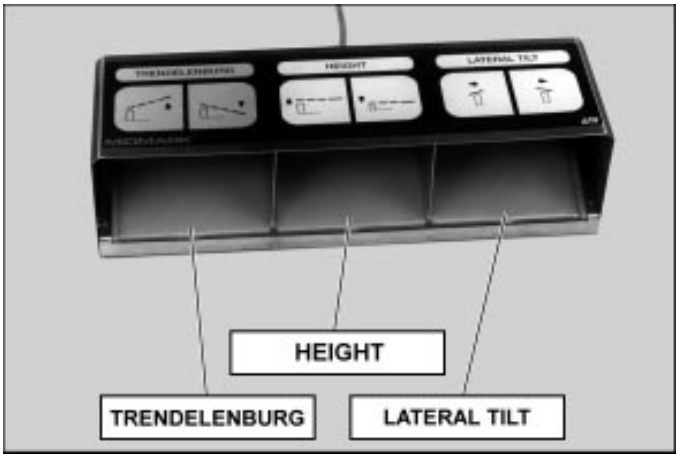

FIGURE 6 ..... Foot Control

Note
The pendant hand control always has priority over the foot control and, if activated, will override any commands entered by the foot control.

PATIENT POSITIONING

POWERED TABLE FUNCTIONS

IMPORTANT: PINCH-POINT LOCATIONS ARE IDENTIFIED BY AN EXCLAMATION POINT SYMBOL ON THE TABLE ITSELF.

WARNING

The following photographs show locations where power-driven table parts close and pose a pinch-point hazard. Keep limbs, fingers, and other body areas clear of the pinch-points when positioning the table.

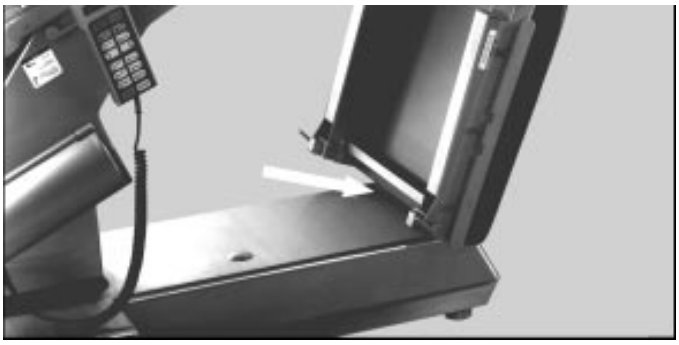

FIGURE 7 ..... Leg and Base Pinch Point

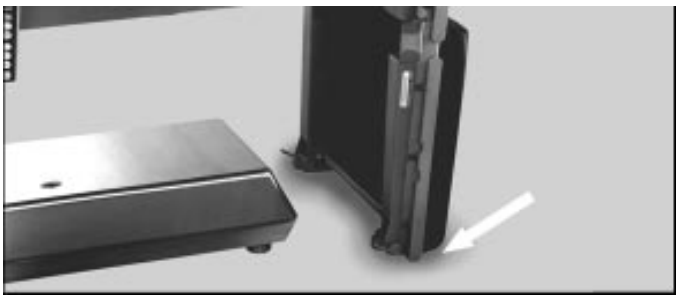

FIGURE 8 ..... Leg and Floor Pinch Point

FIGURE 9 ..... Right Side Pinch Point

FIGURE 10 ..... Left Side Pinch Point

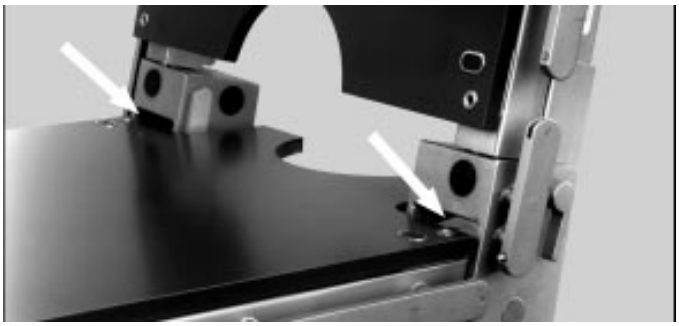

FIGURE 11 ..... Above Leg Joint Pinch Point

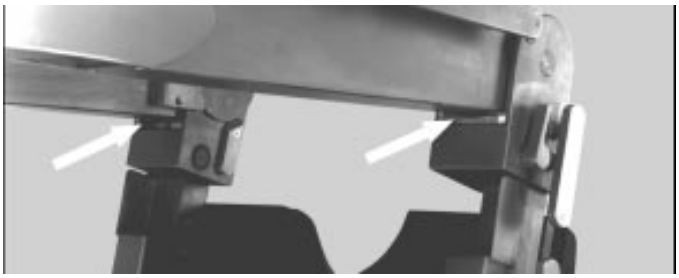

FIGURE 12 ..... Below Leg Joint Pinch Point

FIGURE 13 ..... Below Seat Joint Pinch Point

WARNING EQUIPMENT ALERT

Failure to keep all personnel and equipment clear of the table before actuating any powered movement could result in personal injury of table damage.

Power On And Off: The main power switch is located on the pendant hand control and designated as "ENABLE/ LOCK". Upon pressing the "ENABLE/LOCK" switch, the microcomputer will display the condition of the batteries and check to see if the floor locks are engaged. If the floor locks are not in place, the microcomputer will automatically engage them.

Note
The table will not articulate while using the hand control unless the floor locks are engaged.

Note
The hand control will only stay enabled for ten seconds after the last button has been pressed. OMI recommends that the operator manually switch the table off, using the "DISABLE" button, after table positioning has been completed.

WARNING EQUIPMENT ALERT

Certain movements of the table top can result in collision with the floor or base. Use caution when positioning the table top to prevent personal injury or table damage.

Trendelenburg And Reverse Trendelenburg: To place the table into trendelenburg, so that the head section of the table is lowered, press the trendelenburg switch. To put the table into reverse trendelenburg, press the reverse trendelenburg switch. Notice that the microcomputer senses where the table's head section is and automatically lowers that end of the table when the trendelenburg function is activated.

Note
The microcomputer automatically senses where the head section is and lowers that end of the table when the trendelenburg button is pressed. Likewise, when the reverse trendelenburg button is activated the microcomputer will raise the end of the table that has the head section attached to it.

As the trendelenburg function is lowered from reverse trendelenburg to trendelenburg, or vice versa, the table will stop at the horizontal or "neutral" position. If the operator wishes to continue the movement, release the button momentarily and press it again to continue moving the table.

Table Up And Table Down: To raise the height of the table top, press the column up button. To lower it, press the column down button.

Lateral Tilt Left And Lateral Tilt Right: To tilt the table top to the left, press the lateral tilt left button. To tilt to the right, press the lateral tilt right button. As the lateral tilt function is used to tilt the table from left to right, or right to left, the table will stop at the horizontal or "neutral" position. If the operator wishes to continue the movement, release the button momentarily and press it again to continue moving the table.

Note
The microcomputer automatically senses where the head section is, and therefore the orientation of the patient. Regardless of which end of the table that the head section is attached to, the table will always tilt towards the left side of the head section when the lateral tilt left button is pressed. Likewise, when the lateral tilt right button is activated the microcomputer will tilt the table towards the right side of the head section. This applies to the pendant hand control only. The foot control will tilt the patient according to the surgeon's right or left when he is viewing from the foot end of the table.

Seat Section Up And Seat Section Down: To raise the seat section of the table, press the seat up button. To lower the seat, press the seat down button. As the seat raises, or lowers, and passes through the neutral position where it is in line with the back section, it will stop. To continue moving the seat, release the button momentarily and press it again.

Leg Section Up And Leg Section Down: To raise the table's leg section, press the leg section up button. To lower the leg, press the leg down button. Again, as the leg section is raised or lowered and it passes through the neutral position where it is in line with the seat section, it will stop. To continue the movement of the leg section, release the button momentarily and press it again.

Table Flex/Reflex: The 7100 surgical table has been equipped with a simultaneous flex/reflex feature. To flex the table, and cause both the head and foot ends of the table to lower, press the table flex button. In order to return the table to a more flat configuration after being in flex, or to raise both the head and foot ends of the table, press the reflex button.

The microcomputer senses where the head section of the table is located. If the head section is mounted on the head end of the table, as in the normal position, the table will flex and reflex at the joint between the seat and back sections, see (Fig. 14).

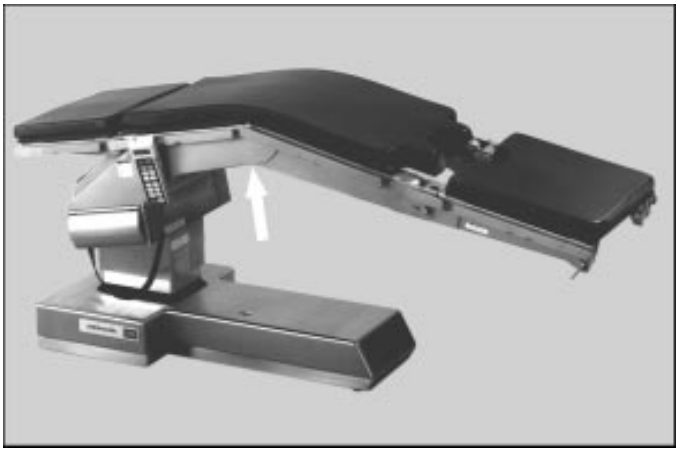

FIGURE 14 ..... Normal Position in Flex

If the table is in the reverse position, with the head mounted on the foot end of the table, flex and reflex will occur at the joint between the seat and newly defined back section, see (Fig. 15).

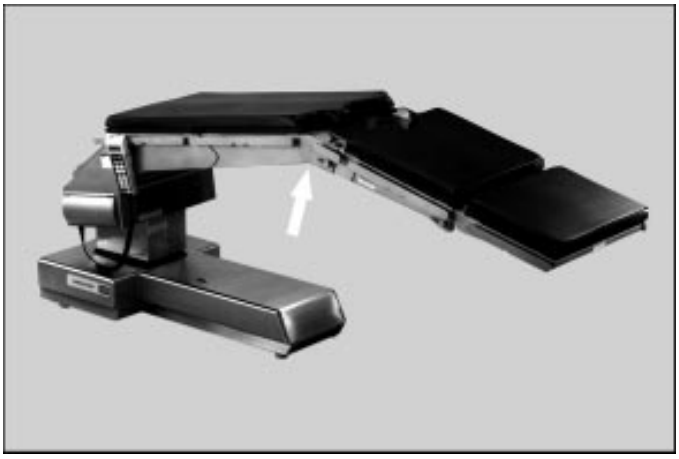

FIGURE 15 ..... Reverse Position in Flex

Return To Level: The Return To Level button, located in the lower left-hand corner of the pendant hand control and designated as "LEVEL", is used to bring the table back to a completely horizontal state. Simply press and hold the "LEVEL" switch to return the table to a level position.

WARNING

The Return To Level function should be used with caution. Determine in advance whether or not the automatic return to level sequence of table movements might be detrimental to patient safety. Do not use the return to level function if any dangers exist.

Unlock Floor Locks: The last button on the hand control is the floor locks disengage button, designated as "UNLOCK". This switch is to be used to disengage the floor locks in order to move the table. Simultaneously press and hold the "ENABLE/LOCK" and "UNLOCK" buttons for three seconds to disengage the floor locks.

WARNING

The floor locks must be engaged while a patient is on the table. Disengaging the floor locks while a patient is on the table could result in an unstable condition that may tip the table over and injure the patient or operating room staff.

WARNING

This table is not intended for patient transport. Transporting a patient on this table could result in personal injury.

MANUAL TABLE POSITIONING

The head section on the table is positioned manually. A locking mechanism can be actuated by depressing a lever on the end of the head section. By squeezing this lever and simultaneously lifting or lowering the section, an infinite number of head positions can be obtained. Notice that the movement of the head section is assisted by gas springs that help lift.

FIGURE 16 ..... Head Section Locking Lever

WARNING

Failure to support the patient's head when repositioning the head section of the table could result in patient injury.

INSTALLING REMOVABLE TABLE TOP SECTIONS

The head and leg sections of the table top are removable. The latching mechanism used to attach and remove these sections operates in the following manner:

To install a table top section-

1. Make sure the latches are rotated downward, pulled out and rotated 10 degrees further so that they are ready to accept the table section's mounting pin(s).
2. Place the table top section's pin(s) into the desired hole(s). Insert them all the way.
3. Rotate the latch handle upward and away from the newly installed section in order to lock it tight.

To remove a table top section-

1. Rotate the latch handle(s) downward and towards the section being removed. Next, pull out and rotate the latches handle(s) 10 degrees further so that it stays unlatched.
2. Pull table top section out of its mounting hole(s).

PATIENT SAFETY RESTRAINT BELTS

All patients must be restrained for proper safety regardless of the length or type of procedure. Adjust the restraint strap(s) so that it restrains the patient according to current patient restraining practices.

WARNING

Failure to keep the restraint strap(s) secure at all times according to accepted practices could result in personal injury.

EMERGENCY OPERATION

In the event that an error code is displayed on the hand pendant LCD, or if the table malfunctions in some other way, a set of emergency controls is located under a cover on the right side of the table. By pressing the "SYSTEM OVERRIDE" button, the user is able to bypass the table's microcomputer. Each function can then be powered by simultaneously pressing the corresponding positioning button. This will allow the user to achieve table movement without use of the table's microcomputer or primary motor-pump. A photograph of the emergency controls and a brief description of each button's function is shown in Figure 17.

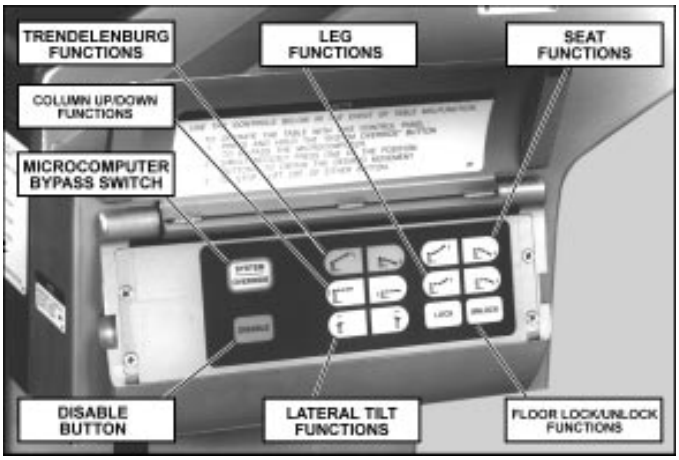

FIGURE 17 ..... Emergency Controls

WARNING **EQUIPMENT ALERT**

Extending the floor locks with the emergency controls will only extend the three main floor locks, and not the two additional stabilizer floor locks. Using the table without the stabilizer floor locks engaged could result in an unstable condition that may tip the table over causing personal injury or table damage.

As mentioned earlier, the table is designed with the ability to be run off of line power. This is the backup source of power to the motor-pumps, should the batteries become fully discharged. However, if the batteries are completely discharged, the table should not be run for an extended period of time strictly off of line power. This could cause overheating of electrical components. Therefore, use line power in emergency situations only to level the table and remove the patient. Plug the cord into the table, then connect to line power, if the batteries become fully discharged. Wait 30 to 60 seconds for sufficient voltage to operate the hand pendant; otherwise, use emergency controls.

WARNING **EQUIPMENT ALERT**

Operation with line power must only be used to return the table to a position so the patient can be removed from the table. Otherwise, overheating of electrical components may occur resulting in a potential fire and/or shock hazard.

TABLE FEATURES

TABLE ACCESSORY RAILS

Standard surgery accessory rails (3/8 inch wide x 1-1/8 inch tall) have been provided to allow usage of many common surgery attachments. The rail system consists of four rails mounted to each side of the table top. They are: the head section rail (A), back section rail (B), seat section rail (C), and the leg section rail (D).

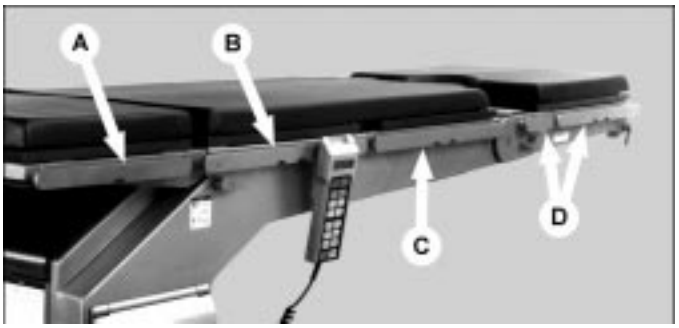

FIGURE 18 ..... Accessory Rails

The head section rail has a couple distinct features. First of all, notice that there is a single notch on the rail to accept a side rail clamp. The clamp can be placed on the rail by hanging the top of the clamp on the rail, directly over the notch, and swinging the bottom of the clamp in towards the rail so that the tooth on the clamp meshes with the notch on the rail, see (Fig. 19). Secondly, there are permanent end rail stops on each end of the head section rail. These have been placed there in order to keep accessories from sliding off the rail when the head section is tilted.

The back, seat, and leg section rails have double notches. This allows for the attachment of a clamp requiring a single notch, like a side rail clamp, or for the attachment of a clamp requiring a double notch, like a siderail socket, see (Fig. 20). Clamps and accessories are kept from sliding off the rail by a permanent end rail stop on one end and by a movable stop on the other end. To remove a clamp or accessory, take it off in the same manner that it was put on by placing it over the notches and rotating the bottom away from the rail; or, slide the accessory towards the movable end stop, slide the stop up or down until it is recessed in the rail and slide the accessory off.

FIGURE 19 ..... Siderail Clamp

FIGURE 20 ..... Siderail Socket

C-ARM ACCESS

The 7100 surgical table was designed with C-arm access in mind. The table's eccentrically located column allows for maximum image access when the table is in the reverse position. Both of the table's positions are shown in Figures 21 and 22 with the resulting C-arm window. In addition to C-arm access, the table also has easy X-ray cassette loading access when used with the optional X-ray top.

The Two Basic Table Positions With Their Corresponding C-arm Windows

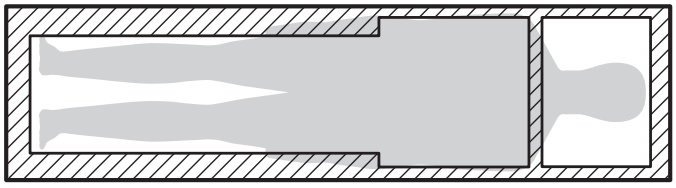

FIGURE 21 ..... Normal Table Position

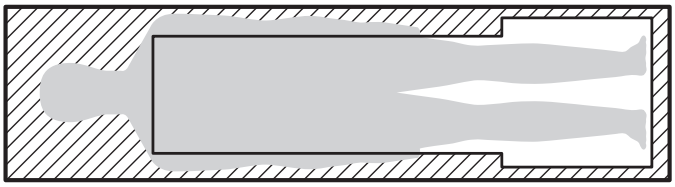

FIGURE 22 ..... Reverse Table Position

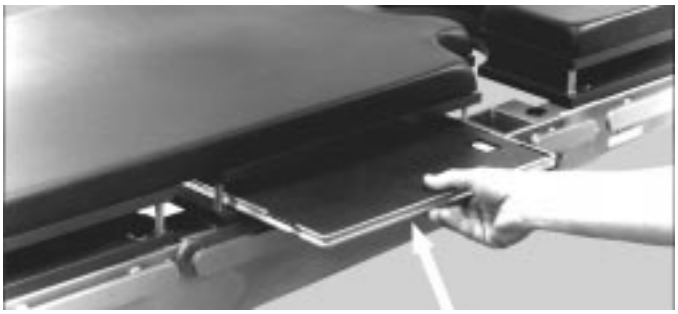

FIGURE 23 ..... X-Ray Cassette

TABLE DIAGNOSTICS

The table microcomputer is equipped to sense table component malfunctions and display them on the hand pendant LCD readout. These are displayed as "service required" or "error code EXX" messages. A qualified service technician can use this information to locate and repair a defective component.

When a service required or error code message is displayed, the hand pendant and foot controls become electrically disabled and cannot be used. Refer to the "Emergency Operation" section of this manual to operate table if this occurs.

CARE OF THE TABLE

The 7100 surgical table is designed to ease cleaning and improve infection control. The upholstery is resistant to most common cleaners, disinfectants, and medicinal-type stains. It is completely removable to facilitate cleaning and/or replacement. The table's stainless steel construction is impervious to nearly all cleansers and staining agents. Areas in which liquids can pool or debris can build up have been minimized.

Care Of Upholstery: The upholstery should be completely removed and cleaned immediately before and after a procedure. Use of harsh cleaners may result in discoloration or other damage to the upholstery. Before using any cleaner, test for discoloration or other forms of damage on a small hidden area of a cushion.

Remember that the chance of damaging the upholstery is greatly reduced if spilled fluids are removed as soon as possible.

Care Of Table Top Boards: The table top boards should be cleaned immediately before and after a procedure. Harsh cleaners that may damage the boards should be tested in an inconspicuous place before they are used.

Care Of Table Structure: Again, clean the table immediately before and after an operating procedure. Use a disinfectant soap or spray to remove fluids or debris. Dry the table with a nonabrasive cloth, being certain to absorb any residual cleaning solution. ***Note:*** Many solutions containing chloride may cause corrosion if the residual solutions are not removed thoroughly before the solution can dry.

MAINTENANCE

Little routine maintenance is required other than periodic inspections of various table components. It is recommended that the following items be checked on a weekly basis. Inform qualified service personnel if any of these symptoms exist.

Emergency Controls: Check each of the emergency control switches for proper operation by moving each powered table function up and down. Check the "DISABLE" button, "ENABLE" the hand control, then press the "DISABLE" button on the emergency control panel to make sure it disables the hand control.

All the emergency controls must operate properly; if not, discontinue use of the table and contact qualified service personnel.

Electrical cords and connectors: Make sure they are free of cuts or damage and clear of moving parts. Replace if damaged.

Hydraulic lines and fittings: Check for leaks; any visible signs of hydraulic fluid are a symptom of leaking hoses or fittings or more serious problems.

Reservoir oil level: Level table and lower column completely. Remove the vent plug from the reservoir and check the oil level. The fluid level should be one inch (25mm) from the top of the reservoir. If it is low, add fluid. Use only ISO Viscosity Grade 32 premium hydraulic fluid. DO NOT OVERFILL.

Floor lock pads: These rubber pads are located on the bottom of the floor lock cylinders. Check to make sure they are intact and relatively damage-free. Replace if badly damaged.

Due to the mechanical and electrical nature of this equipment, periodic inspections at three month intervals by qualified service personnel are recommended.

WARNING **EQUIPMENT ALERT**

Failure to perform periodic inspections could result in personal injury or table damage.

PENDANT HAND CONTROL MESSAGES

The following is a list of messages that will appear on the hand control L.C.D. display. During normal operation, the table orientation will be displayed on the first line of the display. The second line will tell the operator about the condition of the table.

The display can also inform the operator when service is required. If a service required message appears on the first line of the display, followed by an error code on the second line, the table should not be used until serviced by authorized service personnel.

"NORMAL POSITION"
This informs the operator that the table is in the normal configuration.

"REVERSE POSITION"
This informs the operator that the table is in the reverse configuration.

"LOCKING FLOOR"
This tells the operator that the floor locks are being engaged.

"FLOOR LOCKED"
This tells the operator that the floor locks have been engaged.

"ON WHEELS"
This notifies the operator that the table is on its casters and mobile.

"TRENDELENBURG"
This appears when the table is being placed into trendelenburg.

"REV. TRENDELENBURG"
This appears when the table is being placed into reverse trendelenburg.

"HEIGHT UP"
This appears when the table is being raised.

"HEIGHT DOWN"
This appears when the table is being lowered.

"TILTING RIGHT"
This appears when the table is being tilted to the right.

"TILTING LEFT"
This appears when the table is being tilted to the left.

"SEAT UP"
This appears when the seat section is being raised.

"SEAT DOWN"
This appears when the seat section is being lowered.

"LEG UP"
This appears when the leg section is being raised, in the Normal table configuration.

"LEG DOWN"
This appears when the leg section is being lowered, in the Normal table configuration.

"BACK UP"
This appears when the back section is being raised, in the Reverse table configuration.

"BACK DOWN"
This appears when the back section is being lowered, in the Reverse table configuration.

"FLEX"
This appears when the table is being placed in the flex position.

"REFLEX"
This appears when the table is being taken out of the flex position.

"BATT LEVEL LOW"
This informs the operator that the battery charge is less than 1/3 capacity.

"BATT LEVEL MED"
This informs the operator that the battery charge is between 1/3 and 2/3 capacity.

"BATT LEVEL FULL"
This informs the operator that the battery charge is more than 2/3 capacity.

"CALIBRATING NEUTRAL POSITION"
This message appears when a service technician is adjusting the neutral position used on the return to level function.

"RECHARGE BATTERY/PLUG IN CORD NOW"
This message appears when the battery charge falls below 1/6 capacity.

"CHARGING BATTERY"
This message appears when the table is connected to an electrical outlet and the hand or foot control is actuated.

"SERVICE REQUIRED"
This informs the operator that there is a malfunction within the table. Do not use the table again until serviced.

"ERROR CODE EXX"
This provides information to qualified service personnel as to what type of malfunction exists.

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SPECIFICATIONS

Product Type
Model: ..... 7100 General Surgical Table

Ranges Of Motion
Column Height Range: ..... 27.7 to 43.9 inches (70 cm to 112 cm)
Trendelenburg Range: ..... +/- 28 degrees
Lateral Tilt Range: ..... +/- 18 degrees
Seat Range: ..... 25 degrees above horizontal to 40 degrees below
Leg Range: ..... 80 degrees above horizontal to 102 degrees below
Head Section Range While In The Normal Position: ..... 30 degrees above horizontal to 30 degrees below
Head Section Range While In The Reverse Position: ..... 30 degrees above horizontal to 75 degrees below

Power Requirements
Line Power Input: ..... 115 VAC, 60 Hz, 2 A
Battery Power Output: ..... 24 VDC, 18 Ah

Hydraulic System
Hydraulic Fluid: ..... ISO Viscosity Grade 32 premium hydraulic fluid
Relief Pressure: ..... 3625 psi (250 bar)

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