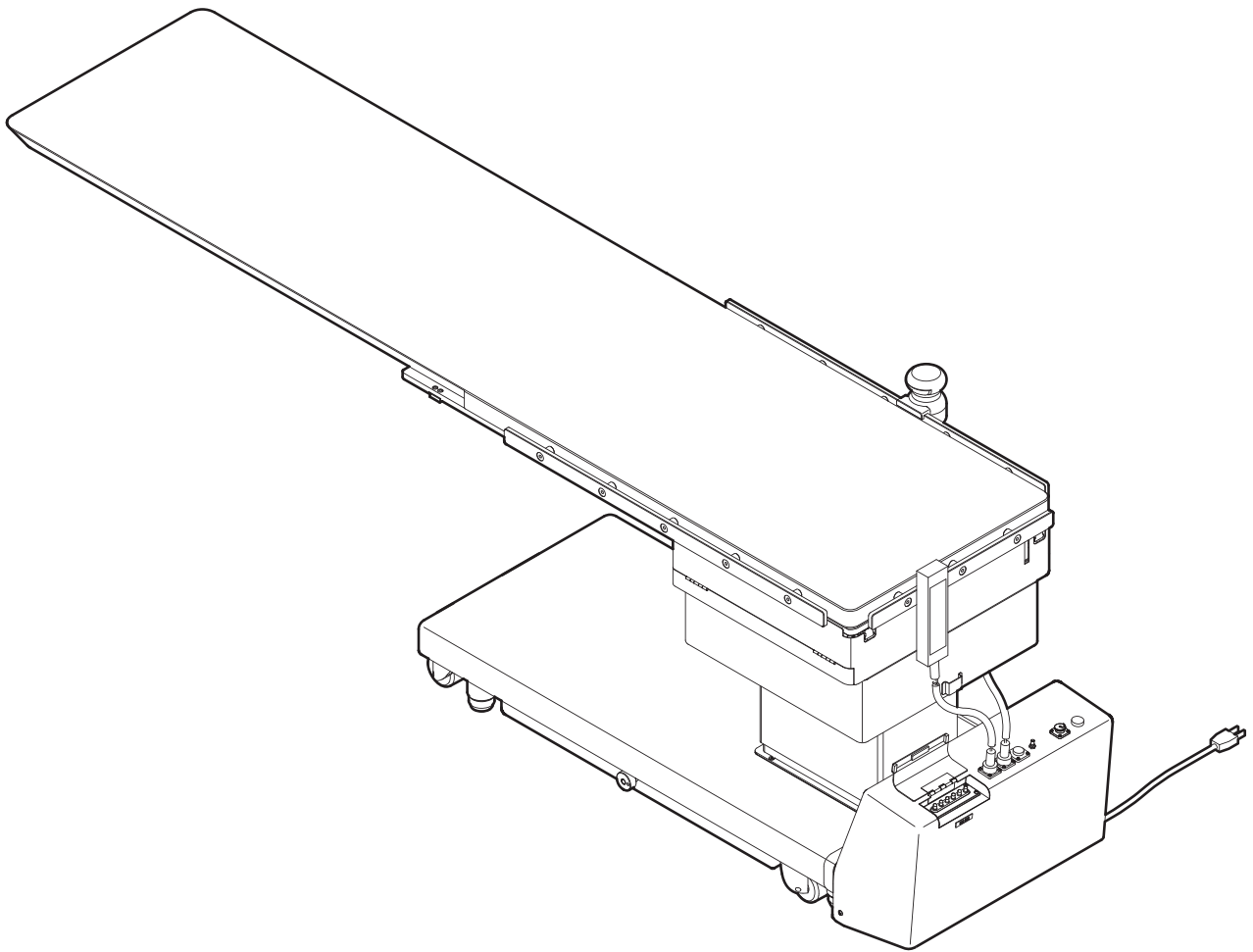




OWNER'S MANUAL

(Includes Operation, Maintenance and Parts)



3008 Clarity Imaging Table

Read this manual before operating this table!

This information is necessary for the safe and efficient operation of the equipment.

Distributed by:

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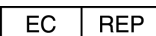
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The base language for this document is ENGLISH. Any translations must be from the base language document.

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1-1. Training Required Before Use

This equipment is intended for use by qualified healthcare professionals only and is only for human medical purposes.

Training for these professionals on proper table operation should begin prior to use at a clinical in-service protocol administered by a Skytron representative. The facility must also implement a routine instructional program for proper usage.

1-2. Reporting Serious Incidents

Notice - MDR Annex1.23.4(z)

Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority in which the user and/or patient is established.

1-3. Maximum Lifting & Articulation Capacity

Max. Lifting Weight Capacity	500 lbs [225 kg]
Max. Articulation Weight Capacity	300 lbs [135 kg]

When lifting or articulating large patients, pay close attention to the patient position as well as the positioning guidelines and limitations listed in the operation instructions.

1-4. Radio Interference Notice

This equipment may cause radio interference or may disrupt the operation of nearby equipment.

It may be necessary to take mitigating measures, such as reorienting or relocating the table or shielding the table from interference. If other devices are in close proximity to the table, ensure these devices comply with electromagnetic compatibility medical standards.

1-5. Positioning Interference Notice

The positioning capabilities of the 3008 table require special attention for possible interference points when using multiple function positioning. As with the operation of any surgical table, exercise caution to position the patient safely.

1-6. Transportation Instructions



CAUTION

When horizontal, the 3008 table top will slide if pushed or pulled with abrupt force. Avoid sudden force when moving the table or when it is holding a patient. Patient injury or wear to the electromagnets may occur.

Follow the transportation instructions before moving the 3008 table:

1. Remove the power cord from the table.
2. Place the main power switch in the OFF position.
3. Tighten all handles and knobs.

1-7. Packaging Guidelines

Follow the packaging guidelines when shipping the 3008 table:

- The 3008 table must be shipped in a suitable container and sealed from the outside atmosphere.
- The shipping container must employ appropriate reinforcement to prevent table vibration or movement during shipment.
- The table brakes must be locked during shipment.

1-8. Battery Notice

The table must always be equipped and operated with four 6 volt, sealed, lead acid batteries available only through Skytron.

1-9. Positioning Notice

- Certain accessories, such as the arm boards, etc. can be damaged when changing the position of the table top sections. Always look first to see if a desired movement is going to interfere with any accessories in use.
- The operator has the ultimate responsibility for preventing damage to the table and surrounding equipment or possible injury to the patient or staff.
- The operator must maintain proper positioning to prevent compromising patient respiration, nerve pathways, or circulation.
- The operator must use common sense to determine when there is a potential hazard.

1-10. Table Pinch Points Notice

Although the thick pads and sheets substantially protect the patient it is important to consider the table's pinch points as shown in Figure 1.



CAUTION

Be sure patients and personnel have arms, hands, and fingers clear of all moving parts before moving the table.

Refer to the Pinch/Crush Point Diagram. Proper restraints should always be used for patient safety.

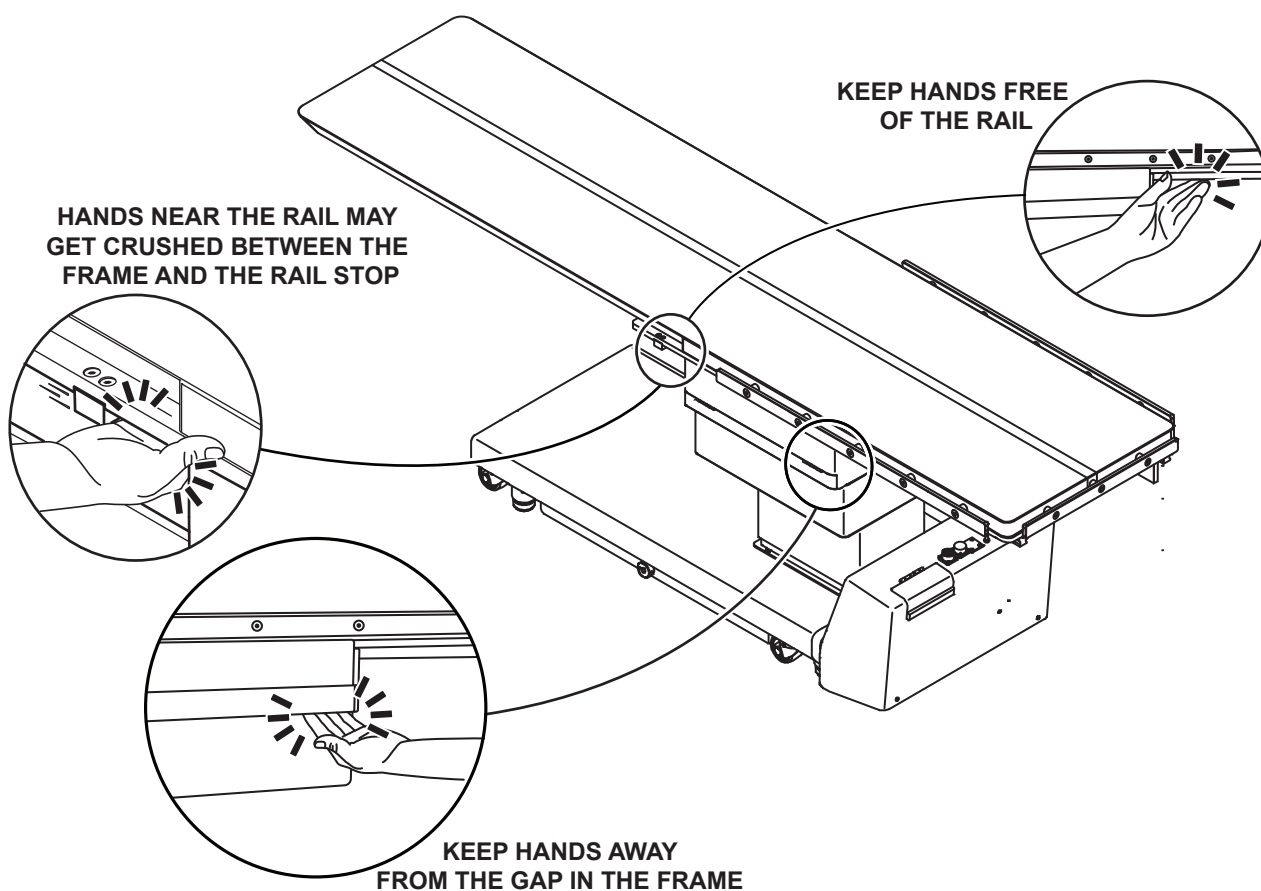


Figure 1. Pinch Points Diagram

1-11. Safety Precautions

The following is a summary of WARNINGS and CAUTIONS indicated in this manual. These precautions are found throughout the manual where they are applicable. Carefully read the manual before proceeding to operate or service the equipment.



WARNING

WARNING with a safety alert symbol indicates a hazardous situation that, if not avoided, could result in death or serious injury.

Contact a local distributor or manufacturer for maintenance or repair. The operating table should only be serviced or maintained by authorized personnel or Skytron.

Do not disassemble the table. Unauthorized disassembling may cause a fire, electric shock, or malfunction.

Before using the table together with other equipment, ensure the equipment is not affected by electromagnetic interference. Electromagnetic interference from other medical electrical equipment may cause malfunction.

Before using the table with other equipment refer to the other equipment's operator manual when using high frequency surgical equipment and cardiac defibrillator. Wrong use may burn the operator or the patient, or may cause the equipment to malfunction.

The surgical table IS NOT intended for patient transport.

Use of table top extensions requires the attachment and deployment of the optional Extended Foot.

Use of table top extensions without installing and the Extended Foot can result in an unstable table which may result in table tipping.

DO NOT proceed with quick instructions without proper training or without understanding all the warnings and precautions.

Possible explosion hazard exists if table is used in the presence of **FLAMMABLE ANESTHETICS**.

Ground the equalization terminal to a medical grounding terminal using an equalization wire.

Connect the power cord to the power source with the protective grounding to prevent the risk of an electric shock.

Charge or replace the battery as required in the service schedule. DO NOT let the battery deteriorate or backup power will not be available in the absence of AC power supply, such as a power outage, etc.

Ensure that the power source connection is free of dust and liquid before plugging the table in.

Make sure the table is locked after the brake is applied. DO NOT unlock the brake with the patient on the table as the table may be unstable in the unlocked state.

Make sure the patient on the table is secured using patient restraints included in the Skytron original accessories when tilting the table.

Only use the emergency stop in the case of emergencies.

Using the emergency brake release **WILL NOT** inhibit table articulation.

DO NOT tilt the tabletop while the emergency brake release handle is in the unlock position as the table may become unstable.

The table **MUST BE** reset after using the emergency brake release, as using it does not stop articulation like pressing Brake Unlock.

TO RESET THE TABLE return the emergency brake release to **LOCK**, then press the Brake Unlock button on the pendant control. Failure to reset the table could result in table articulation while the brake is off, and could cause a patient to fall off the table.

Personal injury to patient or staff may result from a lack of proper maintenance of this equipment.

Always follow OSHA/EASHW blood- borne pathogens standards for protective clothing, including gloves, masks, and eye protection when cleaning the surgical table.

Table instability will occur on a table with mixed table brakes and seats. Only utilize specific brake components specified for this model.

**CAUTION**

CAUTION with the safety alert symbol indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

When horizontal, the 3008 table top will slide if pushed or pulled with abrupt force. Avoid sudden force when moving the table or when it is holding a patient. Patient injury or wear to the electromagnets may occur.

Be sure patients and personnel have arms, hands, and fingers clear of all moving parts before moving the table.

DO NOT install the operating table on an uneven floor. Do not use shims to raise any part of the table.

Keep hands and fingers away from the gap in the frame during table operation or they may get injured.

Keep hands and fingers away from the guide rail under the tabletop or they may get injured.

DO NOT use the table if any of the inspection points fail.

Always inspect the table prior to use to ensure safe and correct operation. Any malfunctioning component should be removed from service immediately and labeled INOPERABLE.

Only use approved antiseptic solutions for cleaning the table. Use enough disinfectant to ensure the cloth does not dry when wiping.

Be careful not to pinch or crush wires when replacing the back pack cover.

In order to prevent infection, be sure to clean and disinfect the operating table.

CAUTION

CAUTION without the safety alert symbol is used to address practices not related to personal injury but with a possibility of damage to equipment.

DO NOT expose the table top to significant impact or force. Damage to the table top locking system may occur.

Use the table on an antistatic floor when an antistatic pathway is required.

DO NOT place heavy objects on the power cord.

DO NOT roll over the power cord.

DO NOT pull the power cord forcefully.

DO NOT place any obstacles that would obstruct access to the power cord's connection to an outlet.

DO NOT pull the pendant control cord forcefully.

DO NOT crush or damage the pendant control cord. It may cause damage to the operating table.

Prior to operating the table, observe all table precaution labels and review the Safety Information section in the front of this manual.

Use the dedicated power cord designed for the specific table.

When disconnecting the table from the power source, completely pull the power cord from the wall outlet.

DO NOT actuate the table so that it hits the floor. Under certain conditions the table top can impact the floor and cause damage.

Use the auxiliary switch only in an emergency. Observe table movement closely to ensure the table top does not come in contact with the floor or other objects. If it does, stop the table immediately or the table may be damaged.

Caution should be taken when cleaning the table to prevent excessive fluid entry into electrical connectors.

Thoroughly read and follow the manufacturer's directions for all cleaning fluids. DO NOT use cleaners containing phenolics.

Before replacing pads on the table, make sure the pads and all mating surfaces are completely dry. Moisture trapped between the pads and mating surfaces may cause distortion of table tops.

When using spray cleaners, DO NOT spray fluids directly into electrical receptacles or components.

Avoid immersing the pendant control assembly in liquids.

Avoid immersing the hand console in liquids.

Please contact your local distributor or manufacturer for maintenance or repair. The operating table should only be serviced or maintained by an authorized personnel.

Any parts or assemblies not listed in this section must be serviced or replaced by Skytron authorized service personnel only. This is necessary to avoid the possibility of damage to the equipment.

NOTICE

Indicates important information not related to personal injury.

**WARNING**

Contact a local distributor or manufacturer for maintenance or repair. The operating table should only be serviced or maintained by authorized personnel or Skytron.

Do not disassemble the table. Unauthorized disassembling may cause a fire, electric shock, or malfunction.

Before using the table together with other equipment, ensure the equipment is not affected by electromagnetic interference. Electromagnetic interference from other medical electrical equipment may cause malfunction.

Before using the table with other equipment refer to the other equipment's operator manual when using high frequency surgical equipment and cardiac defibrillator. Wrong use may burn the operator or the patient, or may cause the equipment to malfunction.

**CAUTION**

DO NOT install the operating table on an uneven floor. Do not use shims to raise any part of the table.

CAUTION

DO NOT expose the table top to significant impact or force. Damage to the table top locking system may occur.

2-1. Intended User and Intended Use

- This surgical table is to be used by health care professionals, including but not limited to surgeons, nurses, and biomedical technicians.
- The surgical table is to be used for human medical purposes only.
- The table IS NOT intended to be used for patient transport.
- This product is intended to support patients during surgical operations.
- This table has functions to adjust tabletop height and to change a patient's body position freely.
- Both a medical grade wall outlet and a battery are available as a power source.

**WARNING**

The surgical table IS NOT intended for patient transport.

2-2. Installation

Prior to placing the table into use, an authorized Skytron representative must inspect, verify, and calibrate the following items:

- Final initialization and completion of the installation report is required for warranty validation.
- Functional testing and cycling.
- Electrical safety testing to include verification by hospital personnel.
- Digital calibration of the hydraulic system's pressure relief valve (PRV).
- Inspection of the hydraulic system.
- Table must be allowed to acclimate to usage climate requirements.
- Verification of hydraulic fluid level.
- Table has been wiped down to remove rust inhibitors.

Items found to be non-conforming must be addressed prior to placing the table into service.

2-3. Certification

Certified by ETL to these standards:

IEC/AAMI/CSA 60601-1 Ed. 3.1:2012

Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.

IEC 60601-2-46 Ed. 3.0:2016

Medical electrical equipment - Part 2-46: Particular requirements for the basic safety and essential performance of operating tables

IEC 60601-1-2 Ed. 4.0:2014

Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests.

IEC 60601-1-6 Ed. 3.1:2013

Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard : Usability.

2-4. Dimensions

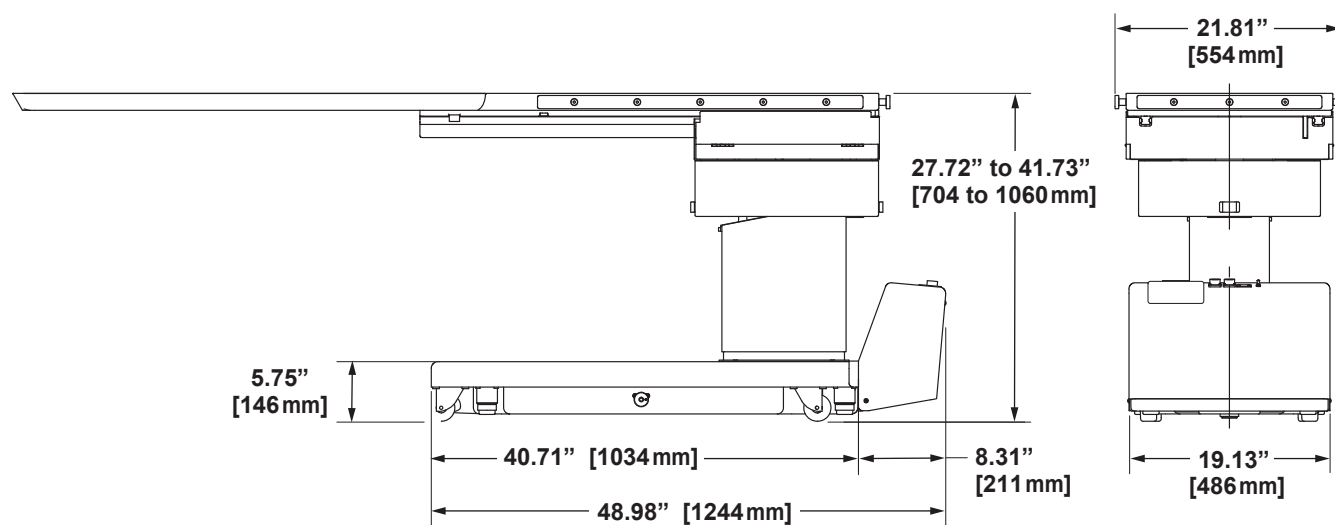
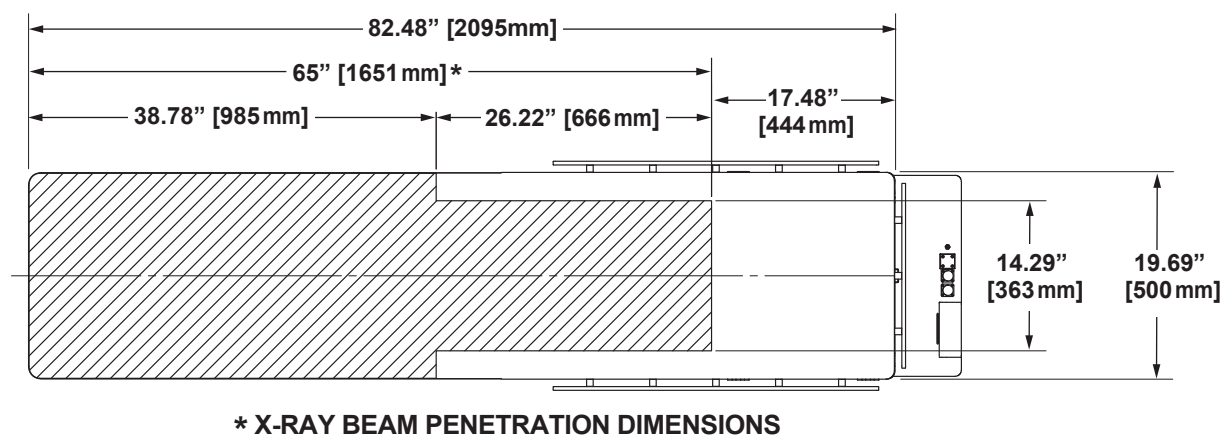


Figure 2. Table Dimensions

2-5. Specifications

Imaging Table 3008			
Electrical	Elevation Range	Highest 41.73" [1060 mm]	Lowest 27.72" [704 mm]
	Trendelenburg Angle	Head Down 20°	Head Up 20°
	Lateral Tilt Angle	Right Down 20°	Left Down 20°
	Return to Level	Trendelenburg / Lateral Lift	
	Brake	Lock/Unlock	
Control Devices	Pendant control	Trendelenburg/Reverse Trendelenburg, Lateral tilt, Elevation, Return to level, Brake, On/Off	
	Hand console	Power on, Slide unlock	
	Auxiliary Switch	Trendelenburg / Lateral tilt / Brake / Slide unlock	
	Emergency Stop	Stop	
Manual	Max. Sliding	Length 27.95" [710 mm]	Width 7.87" [200 mm]
	Others	Emergency brake release handle, Auxiliary brake	
Electrical Rating	Classification per	Class 1 device (internal power source device - See Note 1) / B type applied part / IPX4	
	Rated supply voltage	AC100-240V	
	Rated supply frequency	50-60Hz	
	Battery power supply voltage: DC24V: Four 6V, 10 Ah batteries		
	Power Input	400VA	
	Operating voltage	DC24V	
	Duty Cycle	3 min. ON / 7 min. OFF (Note 2)	
	Time to recover from the pause due to electric discharge of defibrillator: less than 1 second This product conforms to EMC Standard IEC 60601-1-2		
Dimensions	Tabletop Dimensions	Length 82.48" [2095 mm] x Width 19.69" [500 mm] (Note 3)	
	Base Dimensions	48.98" [1244 mm] Length x 19.13" [486 mm] Width	
Unit Weight		848.8 lbs [385 Kg]	
Transitable height and width		Height .39" [10 mm]	Width 3.15" [80 mm]
Maximum Permissible Load		Lifting Capacity: 500 lbs [225 Kg] Articulating Capacity: 300 lbs [135 Kg]	
Installation & Usage Climate Environment	Ambient Temperature	50°F to 104°F [10°C to 40°C]	
	Relative Humidity	30% to 75%	
	Atmospheric Pressure	21 in-Hg to 31 in-Hg [700hPa to 1060hPa]	
Transporting and Storing Conditions	Ambient Temperature	14°F to 122°F [-10°C to 50°C] (Note 4)	
	Relative Humidity	10% to 85% [No condensation] (Note 4)	
	Atmospheric Pressure	21 in-Hg to 31 in-Hg [700hPa to 1060hPa] : See Note 4	
Useful Life		10 years after delivery, assuming recommended maintenance and storage practices are performed: (Note 5)	

Note 1: when the battery power is used

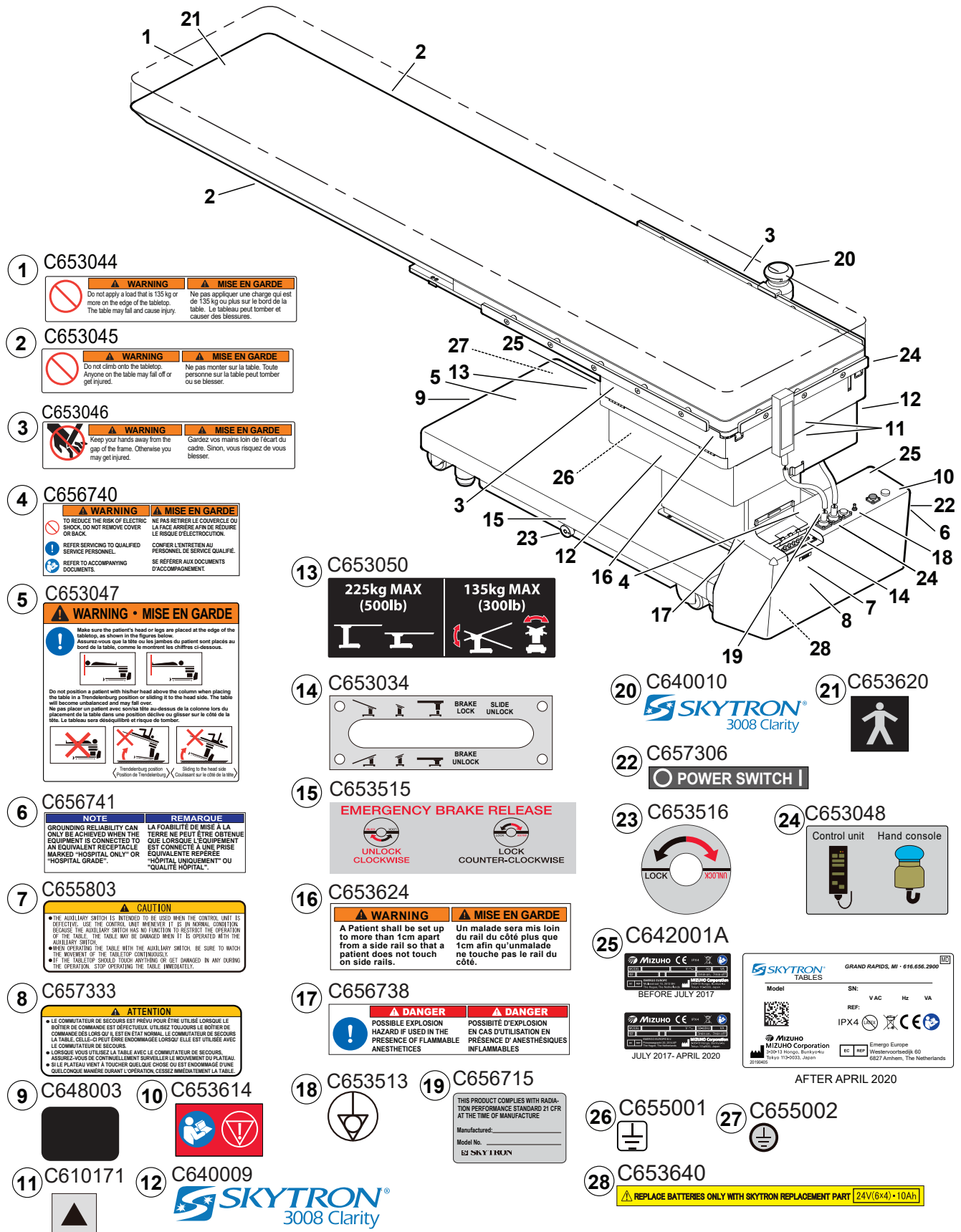
Note 2: consecutive pressing the switch of the pendant control

Note 3: excluding the side rail


















Note 4: company standard

Note 5: based on the self-certification (company data)

2-6. Table Label Locations



2-7. Label Symbols

Symbol	Description	Used On Product	Used In Manual
NOTICE	Indicates important facts or helpful hints.		•
	With the word WARNING, indicates a hazardous situation that, if not avoided, could result in death or serious injury.	•	•
	With the word CAUTION, indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.	•	•
	Medical Device label	•	•
	Type B applied part	•	
IPX4	Enclosure class (Splash-proof)	•	
	Indicates waste disposal information	•	
	Refer to instruction manual	•	
	Alternating current	•	
	Catalogue number	•	
	Serial number	•	
	Authorized Representative In The European Community	•	•
	Manufacturer	•	•
	Equalization	•	
	General prohibition sign	•	
	General mandatory action sign	•	
	Emergency stop	•	
	Protective Earth (ground)	•	
	Functional Earth (ground)	•	

2-8. Table Components

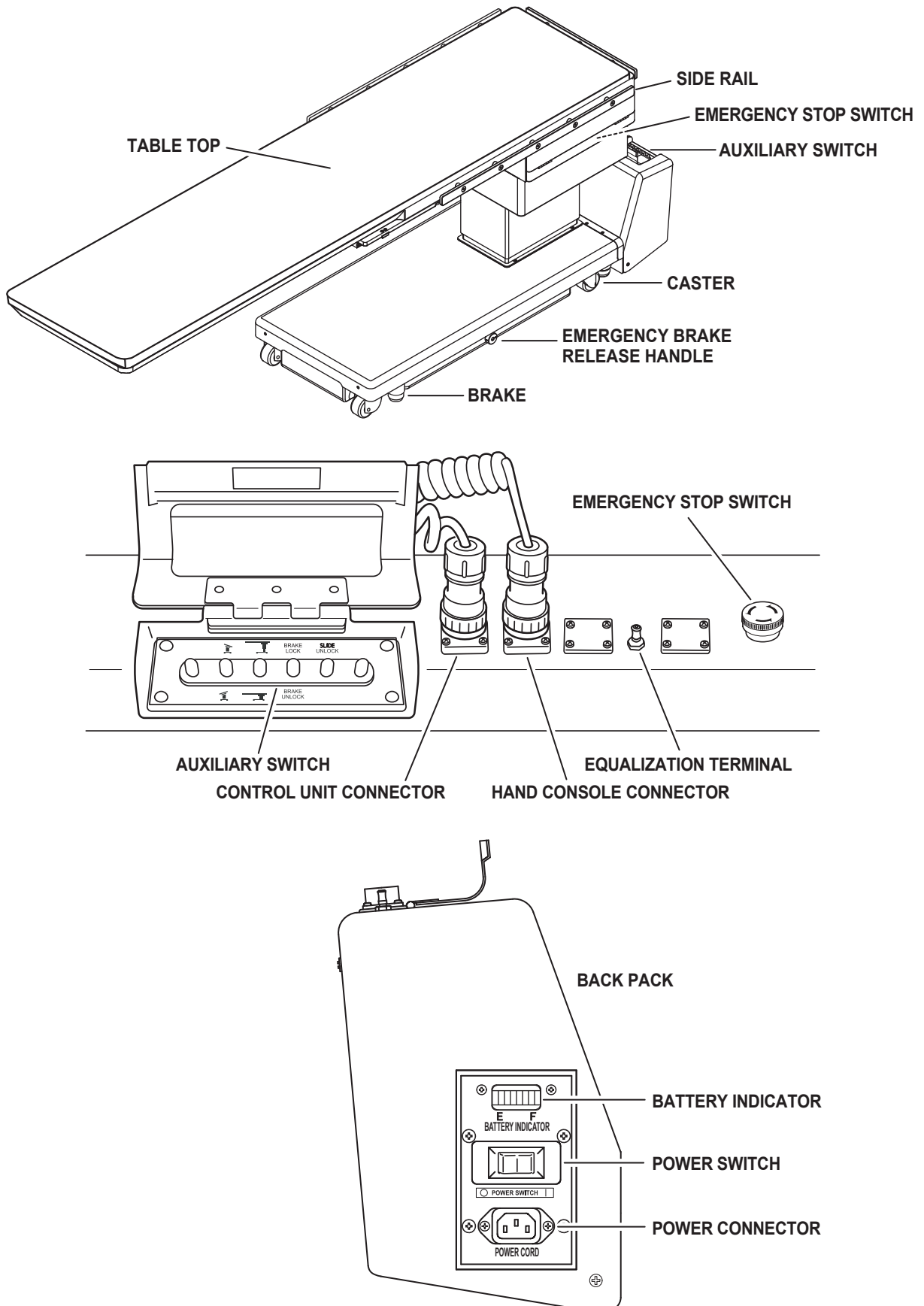


Figure 3. Components

2-9. Pendant Control Components

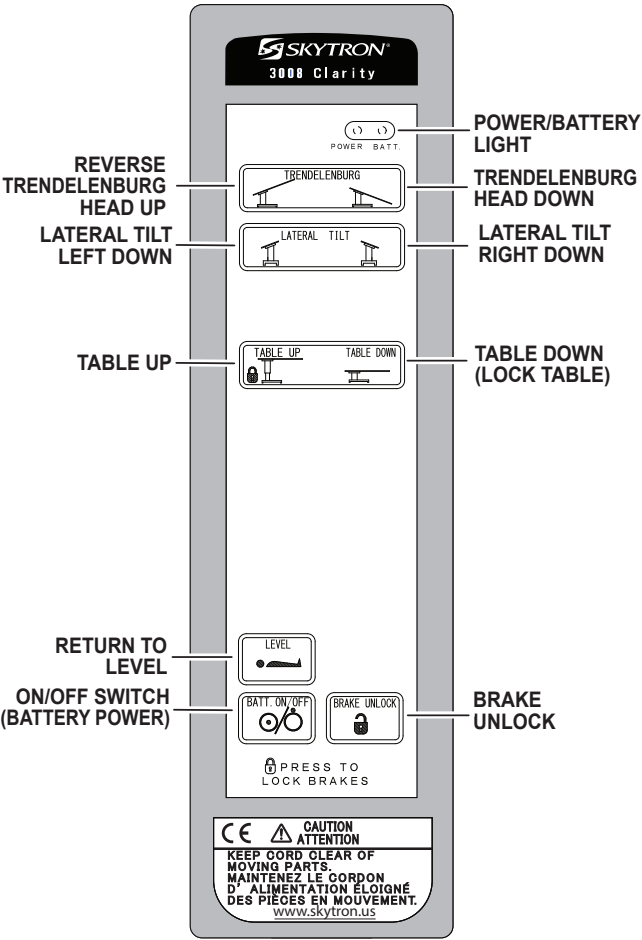


Figure 4. Pendant Diagram

NOTICE

Protective measures are in place to keep solenoids from burning out in case a button is unintentionally depressed for a long period of time. If a button on the pendant control is pressed continuously for three minutes, it will stop functioning for seven minutes. All other operations will function as normal.

2-10. Hand Console

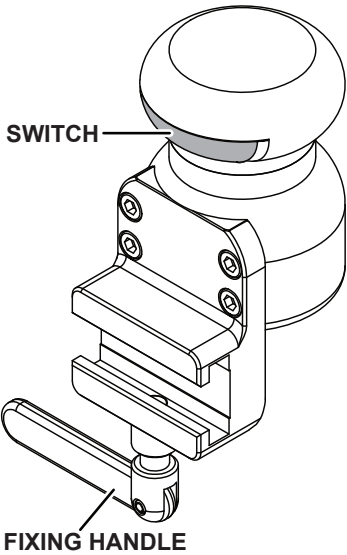


Figure 5. Hand Console Diagram

! WARNING

Use of table top extensions requires the attachment and deployment of the optional Extended Foot.

Use of table top extensions without installing and the Extended Foot can result in an unstable table which may result in table tipping.

3-1. Inspections Before Use

Check the mattresses for any dirt, soil, or damage
Check the table for any backlash when jiggling both ends of the plate
Check the table plate for any damage
Test all functions on the pendant control
Test all functions on the auxiliary controls
Check the power cord for damage
Turn the power switch on to see if the switch lights up
Check if the table slides properly with the hand console
Check to make sure the battery is charged
Check the floor or the base surfaces for hydraulic oil

3-2. Inspections After Use

Check the mattresses for dirt, soil, or damage
Check the table plate for dirt, soil, or damage
Check the floor or base surfaces for hydraulic oil

This section is intended to be a quick guide for those trained in the use of this table and who are familiar with all warnings and cautions in this document.

**WARNING**

DO NOT proceed with quick instructions without proper training or without understanding all the warnings and precautions.

4-1. Basic Table Operation

1. **Turn the table on** – Push the on/off button on the pendant or push the button on the hand console.
 - If the battery power indicator light is low or the orange battery light on the pendant flashes, plug the table in to charge it.
 - To power the table from an outlet, plug the table in and flip the power switch to on. The switch is found on the side of the back pack.

2. **Make sure the table is locked** – If the table is unlocked push the Table Up button on the pendant or push the button on the hand console. The table will extend the brakes, which will take about seven seconds.

If the table is unlocked, any attempt to articulate the table will cause the table to lock.

3. **Set the tabletop angle and height** – use the pendant control buttons (Figure 6) to angle the table top or change table height.
4. **Horizontally position the tabletop** – push and hold the hand console button (Figure 6) and slide the table to the desired position.

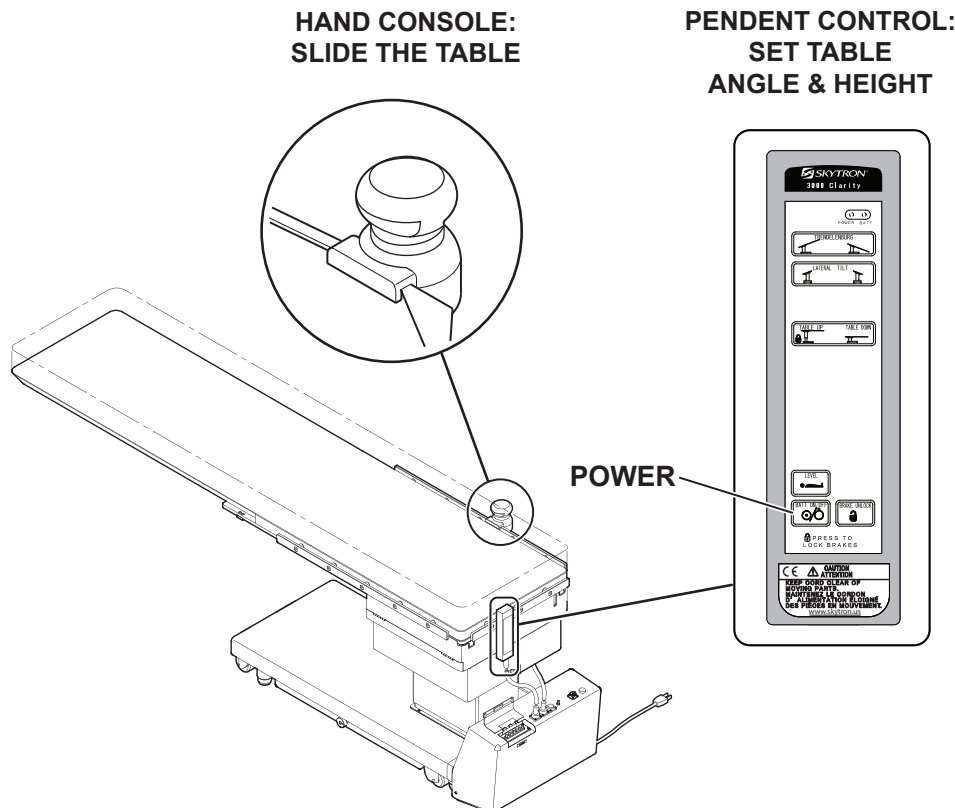


Figure 6. Hand Console / Pendant Controls

4-2. Basic Emergency Controls and Trouble Shooting

4-2-1. Stop the Function in the Event of an Emergency

Push the Emergency Stop switch (Figure 7). All power will stop and an alarm will sound. Turn the button clockwise to deactivate the Emergency Stop.

4-2-2. What to do if the Pendant Control is Unresponsive

- Make sure the pendant is securely plugged into the table (Figure 7).
- Test to see if the table is receiving a signal from the pendant. Two green bars should appear in the battery indicator when pushing the function button on AC power (Figure 7).
- Use auxiliary controls (Figure 7) at the base of the table.

4-2-3. What to do if the Hand Console is Unresponsive

Make sure the hand console is securely plugged into the table (Figure 7).

4-2-4. Releasing the Brakes in the Event of Electrical Trouble

Turn the emergency brake release (Figure 7) at the base of the table clockwise so the word "Unlock" is facing upward on the knob.

The table cannot be locked again until power is restored. Turn the knob to the Lock position and then lock the table using the pendant.

4-2-5. Operating the Table with AC Power

Plug in the table and turn on the power switch (Figure 7).

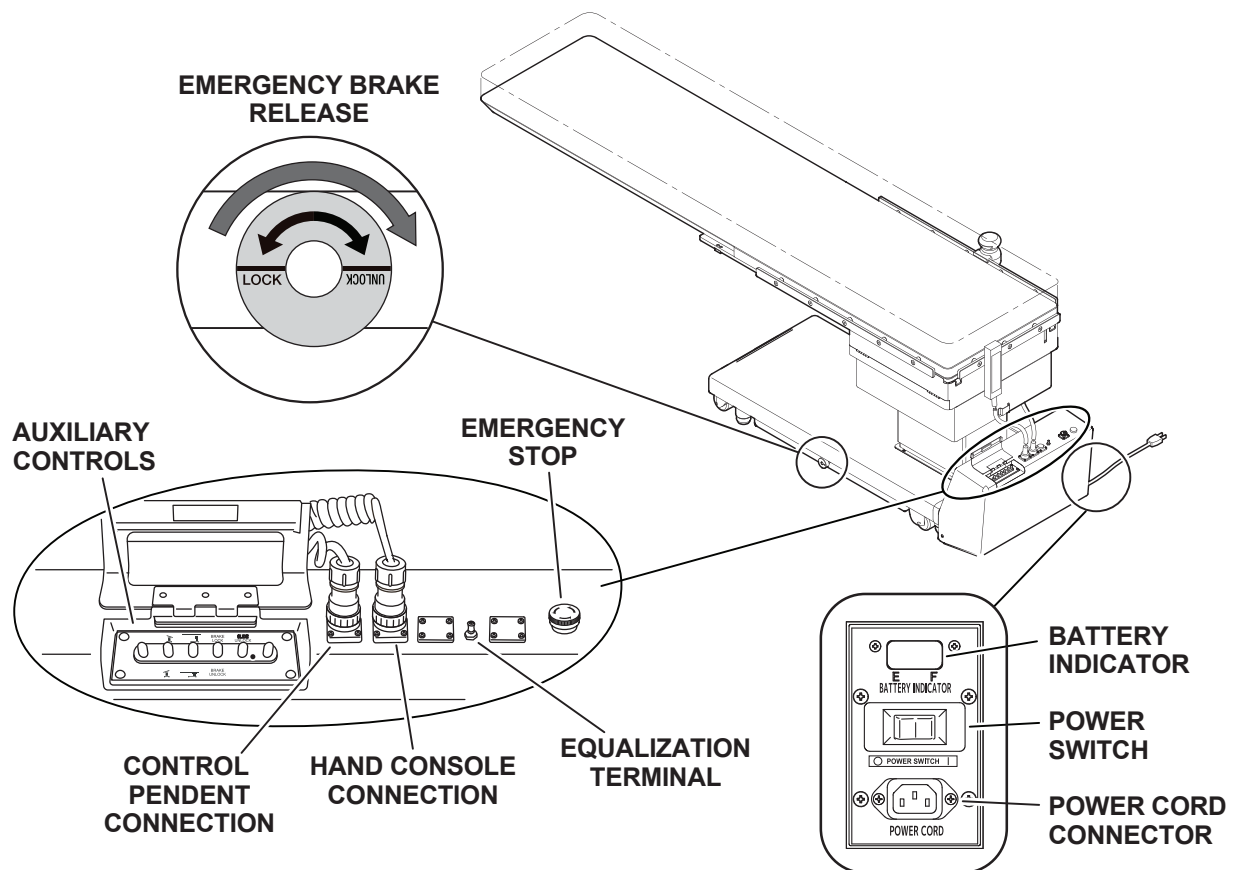


Figure 7. Back Pack Controls and Emergency Release

5-1. Power Details

CAUTION

Use the table on an antistatic floor when an antistatic pathway is required.

- The main power On/Off switch (Main Power Switch) is located on the side of the back pack (Figure 8).
- The 3008 table requires a 100-240VAC, 50/60Hz electrical power supply.
- The table is equipped with a removable 15 foot (4.5 m) long power cord with an approved hospital grade plug.
- The 3008 table can operate on either AC (outlet) or DC (battery) power.

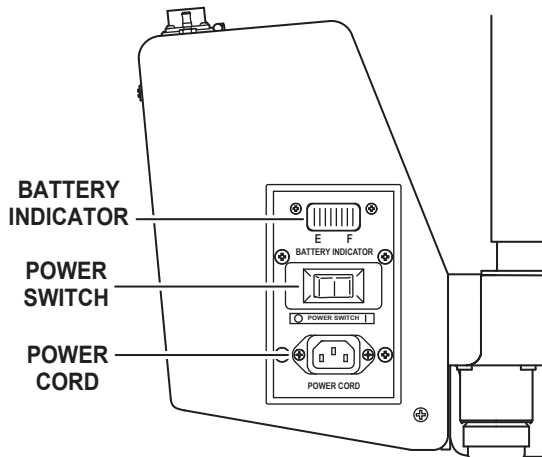


Figure 8. Electrical Panel on the Back Pack

CAUTION

DO NOT place heavy objects on the power cord.
DO NOT roll over the power cord.

DO NOT pull the power cord forcefully.

DO NOT place any obstacles that would obstruct access to the power cord's connection to an outlet.

DO NOT pull the pendant control cord forcefully.

DO NOT crush or damage the pendant control cord. It may cause damage to the operating table.

Prior to operating the table, observe all table precaution labels and review the Safety Information section in the front of this manual.



WARNING

Possible explosion hazard exists if table is used in the presence of **FLAMMABLE ANESTHETICS**.

NOTICE

Always follow recommended grounding procedures. An equalization terminal is located on the back pack (Figure 9). This is provided as an alternate pathway to reduce the risk of static shock hazards.

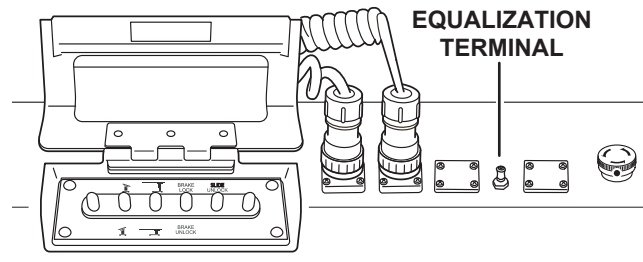


Figure 9. Equalization Terminal Location

5-2. When to Charge the Battery

NOTICE

A fully charged battery will last approximately two weeks under normal operating conditions.

- Every week under normal service conditions.
- When the table is placed into initial service.
- If the table has been unused for a long time.
- When the battery charge indicator on the base shows a low charge (only red LEDs - Figure 11).
- When the orange power indicator on the pendant control is flashing (Figure 10).
- Charge the battery immediately if the table indicates a low battery while the table is in use.

5-3. How to Determine if the Battery Needs Charging

The battery is low and requires charging when:

- The orange low battery light flashes when the table is on (Figure 10).

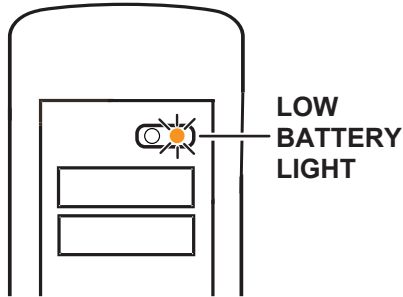


Figure 10. Flashing orange battery light

- The battery indicator shows only red (Figure 11).

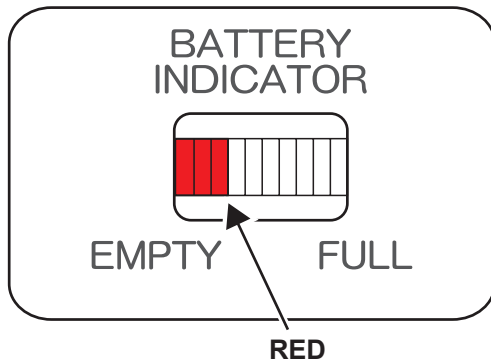


Figure 11. Battery Light Indicator



WARNING

Ground the equalization terminal to a medical grounding terminal using an equalization wire.

Connect the power cord to the power source with the protective grounding to prevent the risk of an electric shock.

Charge or replace the battery as required in the service schedule. **DO NOT** let the battery deteriorate or backup power will not be available in the absence of AC power supply, such as a power outage, etc.

Ensure that the power source connection is free of dust and liquid before plugging the table in.

CAUTION

Use the dedicated power cord designed for the specific table.

When disconnecting the table from the power source, completely pull the power cord from the wall outlet.

5-4. How to Charge the Battery

1. Plug the power cord into the table.
2. Plug the power cord into a medical grade wall outlet.
3. Turn on the power switch.

When the battery is charging: the battery indicator on the table flashes yellow.

When charging is complete: the battery indicator on the table flashes yellow to green.

5-5. Battery Charge Indicators

5-5-1. Battery Mode

Indicator Lights	Percent Charge
4 Yellow - 3 Green	100% (Fully charged)
4 Yellow - 2 Green	89% (Charged)
4 Yellow - 1 Green	78% (Charged)
4 Yellow	67% (Charged)
3 Yellow	56% (Charged)
2 Yellow	45% (Needs-Charging: Battery indicator on pendant will flash)
1 Yellow	34% (Needs-Charging: Battery indicator on pendant will flash)
3 Red	23% (Needs-Charging: Battery indicator on pendant will flash)
2 Red	12% (Needs-Charging: Battery indicator on pendant will flash)
1 Red	1% (Needs-Charging: inoperable)

5-5-2. Charging Mode

Indicator Lights	Percent Charge
1 Yellow	34% (Charging)
2 Yellow	45% (Charging)
3 Yellow	56% (Charging)
4 Yellow	67% (Charging)
4 Yellow - 1 Green	78% (Charging)
4 Yellow - 2 Green	89% (Charging)
4 Yellow - 3 Green	100% (Fully charged)
1 Red	Fuse requires replacement (contact Skytron service)

5-5-3. Error Mode

Indicator Lights	Error
2 Red	Fuse requires replacement (contact Skytron service)

NOTICE

The red battery indicator will light up to indicate low battery power, the table will operate for about five continuous minutes, typically long enough to use the table for the rest of the day.

The charging system operates **ONLY** when the table is in AC operation mode. The table can be operated on AC power while the batteries are being charged.

5-6. When to Replace the Battery

For instructions on how to replace the battery see section "9-7. Replacing the Battery" on page 36.

The table has four 6 volt, sealed, lead acid batteries which require no manual maintenance. Once a battery reaches its useful life of about two years, contact Skytron for a replacement.

NOTICE

Useful life for each battery is about two years.

Battery life will vary greatly depending on the operating conditions. The battery may deteriorate quicker if the battery is frequently charged and discharged after using the operating table for a short time.

If the battery indicator will no longer show a full charge even if the battery has a full charge, or if the battery gets discharged quickly, it may need to be replaced.

A full battery charge will last approximately two weeks under normal operating conditions. However, it is recommended to charge the batteries at the end of each week to establish a normal routine protocol. Lead acid batteries last longer if they are not permitted to fully discharge.

6-1. Connecting the Pendant Control

Plug the pendant control into the connector closest to the auxiliary controls. Align plug and connector notches and plug the pendant in.

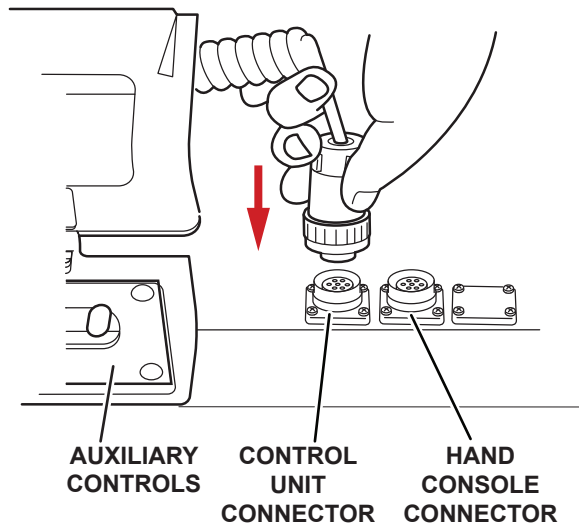


Figure 12. Controller Connection Points

To remove it: turn the connector counter-clockwise until it stops and then pull it out.

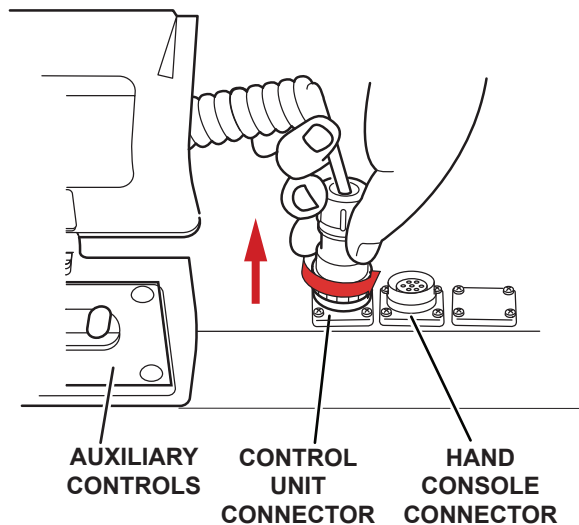


Figure 13. Remove Connections

6-2. Connecting the Hand Console

Plug the hand console into the connector furthest from the auxiliary controls. Align plug and connector notches and plug the hand console in. Turn the connector clockwise to secure it.

To remove it, turn the connector counter-clockwise until it stops and then pull it out.

6-2-1. Repositioning the Hand Console

1. Turn the handle (Figure 14) to loosen the connecting bolt. This will allow the console to slide on or off a table rail.

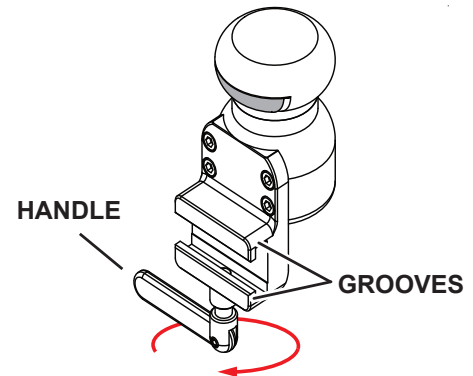


Figure 14. Hand Console Components

2. Match the grooves on the hand console with the rail, then slide the hand console onto the end of a rail to its desired location.
3. Lock the hand console in place. Turn the handle to tighten the bolt and secure the hand console.

6-2-2. Removing or Replacing the Hand Console

Follow the same instructions as repositioning the hand console, but disconnect the console plug from the back pack to remove it. Re-connect the console after replacing it.

7-1. Table Self Diagnosis Function

The operating table has a built-in self-diagnosis to check if the table is receiving a signal from the pendant control. To test the pendant control signal:

1. Connect the power cord.
 2. Turn on the table power switch.
 3. Press a function button on the pendant control.
- **If two green battery indicators light up** (Figure 15) the table is receiving a signal from the pendant control.
 - **If the battery indicator lights do not light up** the pendant control may need to be replaced.

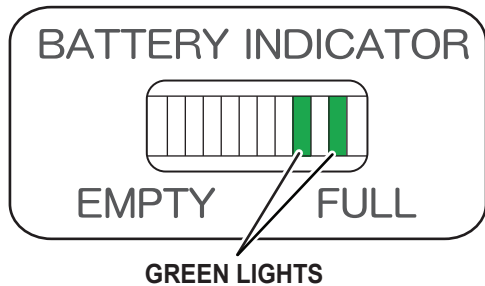


Figure 15. Table Self Diagnosis


7-2. Switching the Table On or Off

7-2-1. Switching the Table On or Off When Using AC Power (Wall Outlet)

Turning the Power On:


Turn on the table power switch. The green power light on the pendant control and the battery indicator on the back pack will turn on.

Turning the Power Off:


1. Turn off the table power switch. The table will change over to battery power.
2. Press the On/Off button  on the pendant control. The power lamp (green), the battery lamp (orange), and the battery indicator will shut off and the power will be turned off.

7-2-2. Switching the Table On or Off When Using the Battery

Turn the Power On:

Press the On/Off button  on the pendant control. The power light and battery light on the pendant control, and also the battery indicator on the table, will turn on.

Turn the Power Off:

Press the On/Off button  on the pendant control (Figure 16). The power light and battery light on the pendant control will turn off, as will the battery indicator on the table.

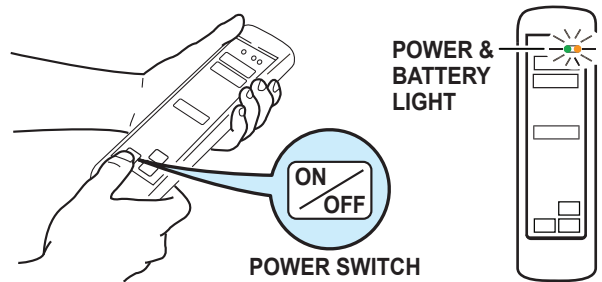


Figure 16. Turn On/Off on Batter Power

7-3. Turning the Table On with the Hand Console

Press the hand console switch (Figure 17). The table will power up. Power and battery lights on the pendant control will turn on.

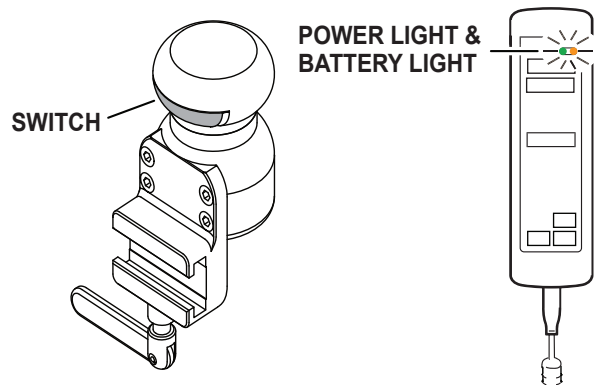


Figure 17. Turn On With Hand Control

The hand console only turns on the table under battery power.

The hand console does not have a power-off function.

7-4. Switching to Battery Power

If the table is plugged in and the facility loses power the table can switch to battery power. To do so:

1. Unplug the power cord from the wall outlet.
2. Turn off the power switch at the base.
3. Press the On/Off button on the pendant control or hold down the button on the hand console to activate battery power.

7-5. Shifting the Tabletop Position Using the Hand Console

With the table on and locked, press and hold the console switch and move the console to slide the table to the desired location. If the table is not yet locked, pressing the button will extend the table brakes.

NOTICE

When shifting the tabletop make sure the tabletop is parallel to the floor. The tabletop will **ONLY** slide when the tabletop is in the level position. The buzzer will sound and the hand console won't work while the tabletop is tilting.

1. Press the hand console switch (Figure 18).

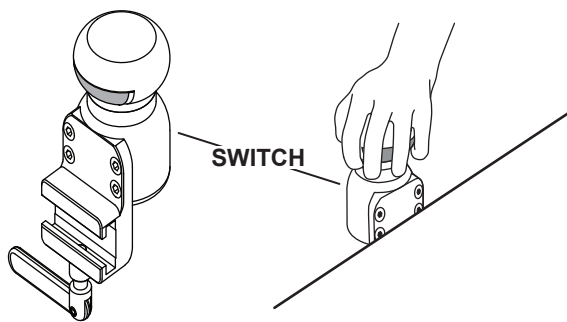


Figure 18. Hand Console Switch

2. Holding the switch down, move the hand console to slide the tabletop laterally or lengthwise.
3. Release the switch when the tabletop is at the desired location. The table will be locked in position.



CAUTION

Keep hands and fingers away from the gap in the frame during table operation or they may get injured.

Keep hands and fingers away from the guide rail under the tabletop or they may get injured.

7-5-1. What to do if the Table Won't Slide

If the table doesn't slide, it is possible that the reset signal isn't input in the lock mechanism. Follow the instructions below to remedy this issue:

1. Press the On/Off button on the pendant control and turn the power off.
2. Turn the power on after two or more seconds.

7-5-2. Maximum Tabletop Slides

Maximum lengthwise and lateral table top slides (Figure 19).

Max. lengthwise slide	27.95" [710mm]
Max. lateral slide	3.94" [100mm]

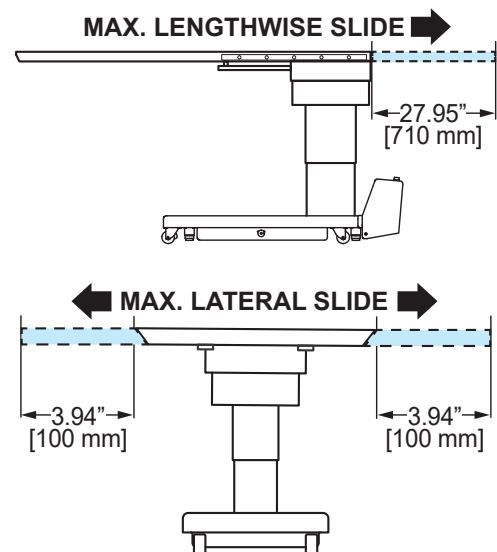


Figure 19. Maximum Table Slide

7-6. Locking or Unlocking the Operating Table


It takes about 12 seconds for the brakes to fully lock or unlock.



WARNING

Make sure the table is locked after the brake is applied. **DO NOT** unlock the brake with the patient on the table as the table may be unstable in the unlocked state.

7-6-1. Locking Operating Table / Set the Brakes

Push the Table Up /Table Lock  button (Figure 20). The brakes will actuate and the operating table will be locked. The operating table will not move up until the brake has fully actuated.

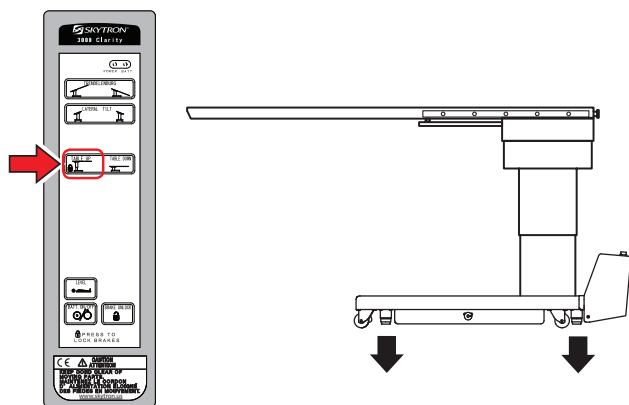


Figure 20. Lock the Table

7-6-2. Unlocking Operating Table / Release Brakes

Push the Brake Unlock  button (Figure 21). The brakes will unlock and the table can be moved.

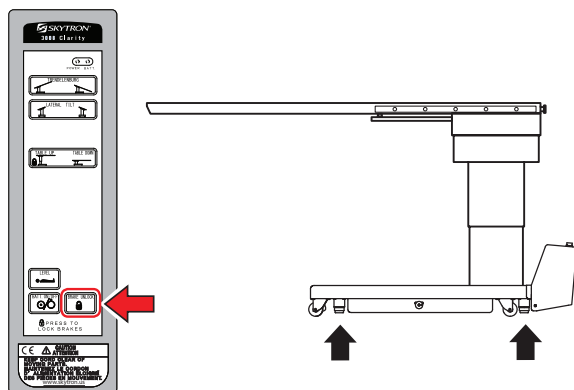


Figure 21. Unlock the Table

7-7. Performing Lateral Tilt

The maximum angle achieved in the left down and right down position is 20° from the level position (Figure 22).



WARNING

Make sure the patient on the table is secured using patient restraints included in the Skytron original accessories when tilting the table.

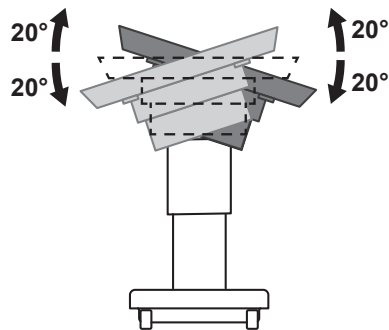



Figure 22. Maximum Lateral Tilt

The table cannot be tilted or in trendelenburg until the top is first level to the floor and locked. It takes about 1.5 seconds for the tabletop to be locked after the button is pushed.

7-7-1. Tilting the Table Left

1. Press the Left Down button  on the pendant control (Figure 23). The table top will move to the left down position as viewed from end opposite the back pack.

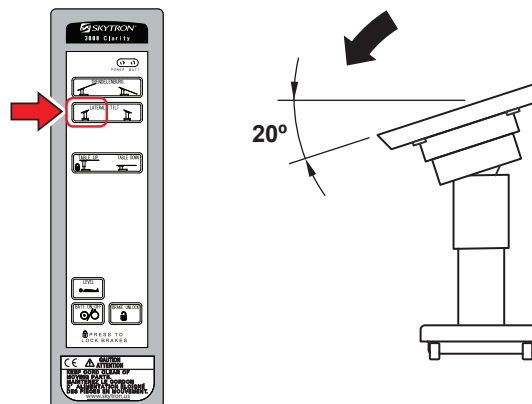



Figure 23. Normal Left Down

7-7-2. Tilting the Table Right

1. Press the Right Down button  on the pendant control (Figure 24). The table top will move to the normal right down position as viewed from end opposite the back pack.

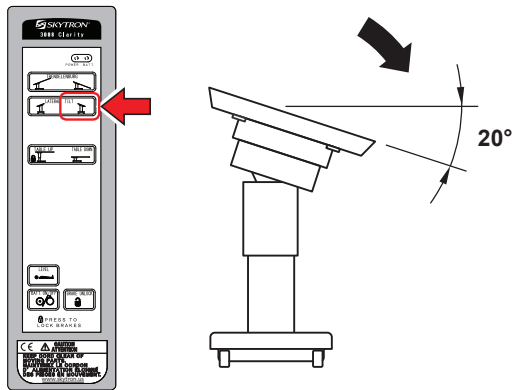


Figure 24. Normal Right Down

7-8. Trendelenburg and Reverse Trendelenburg

The maximum Trendelenburg angle or reverse Trendelenburg angle is 20° from the level position (Figure 25).

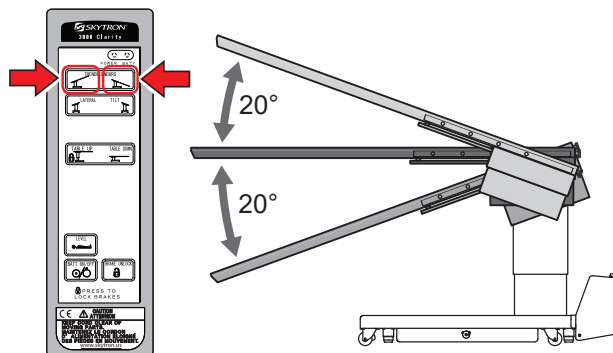


Figure 25. Maximum Trendelenburg Tilt

The table cannot be horizontally positioned when in Trendelenburg or Reverse Trendelenburg. When the table top is parallel to the floor it will be locked before it starts tilting. It takes about 1.5 seconds for the tabletop to be locked.



WARNING

Make sure the patient on the table is secured using patient restraints included in the Skytron original accessories when tilting the table.

7-8-1. Trendelenburg

Push the Trendelenburg button on the pendant control (Figure 26). Keep holding it until the desired incline is achieved.

CAUTION

DO NOT actuate the table so that it hits the floor. Under certain conditions the table top can impact the floor and cause damage.

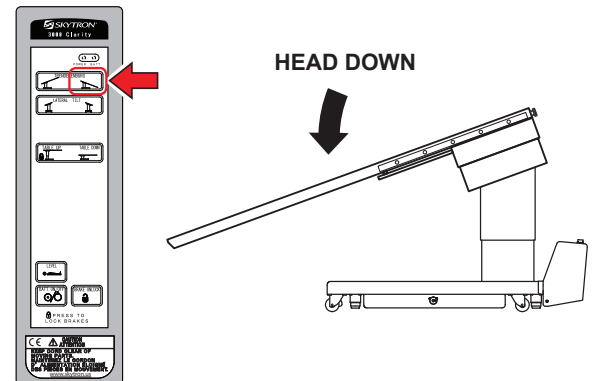



Figure 26. Head Down

7-8-2. Reverse Trendelenburg

Push the Reverse Trendelenburg button  on the pendant control. Keep holding it until the desired incline is achieved (Figure 27).

CAUTION

DO NOT actuate the table so that it hits the floor. Under certain conditions the table top can impact the floor and cause damage.

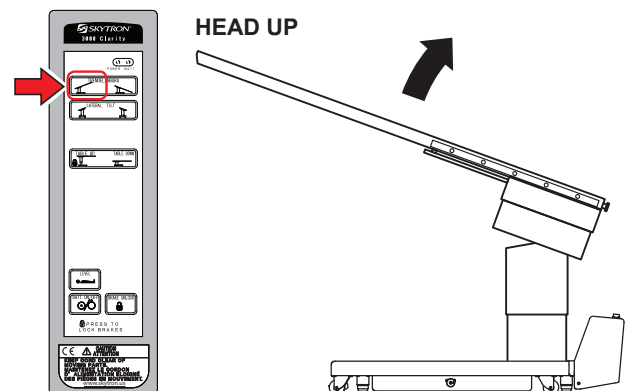


Figure 27. Head Up

7-9. Raising or Lower the Table

The tabletop's maximum height is 41.73" [1060mm], and its minimum height is 27.72" [704mm].

7-9-1. Raising the Tabletop

Press the Table Up button  (Figure 28). Hold it down until the desired height is reached.

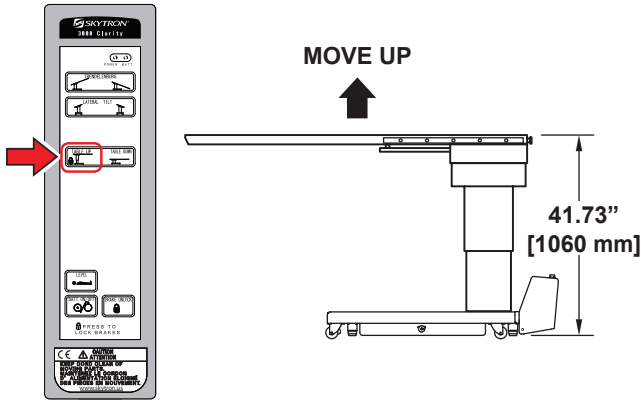



Figure 28. Raise Table

7-9-2. Lowering the Tabletop

Press the Table Down button  (Figure 29). Hold it down until the desired height is reached.

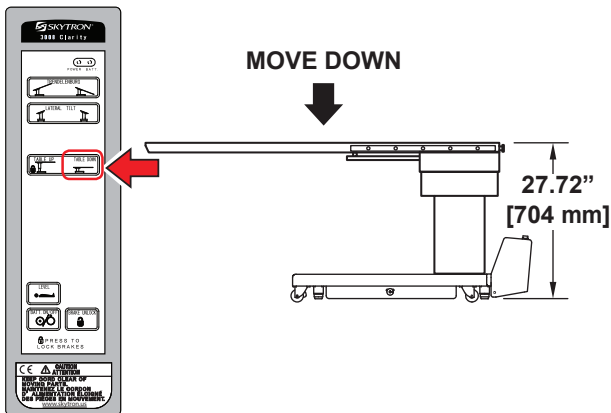


Figure 29. Lower Table Top

7-10. Returning the Table to Level

Press the Level button  (Figure 30) until the tabletop returns to a level position.

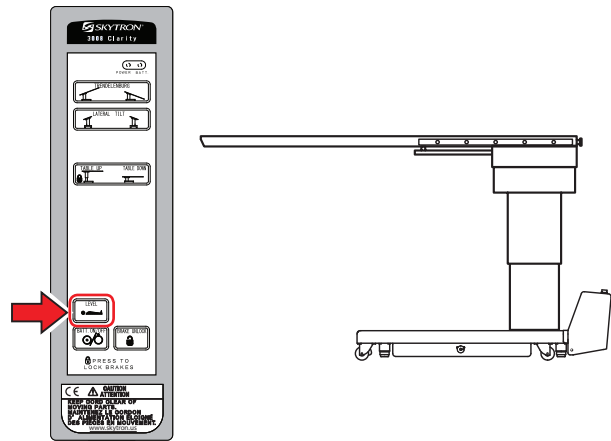


Figure 30. Return Table to Level

8-1. Using the Emergency Stop

Press the red Emergency Stop switch (Figure 31) to stop table function. An alarm will sound until the emergency stop is deactivated.

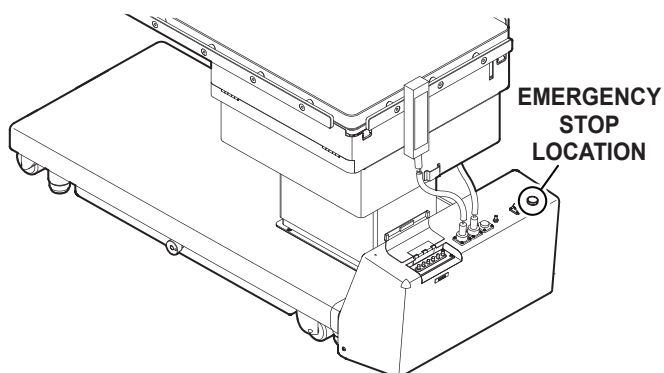


Figure 31. Emergency Stop Location



WARNING

Only use the emergency stop in the case of emergencies.

8-2. Deactivating the Emergency Stop

1. Turn the emergency stop switch clockwise (Figure 32).

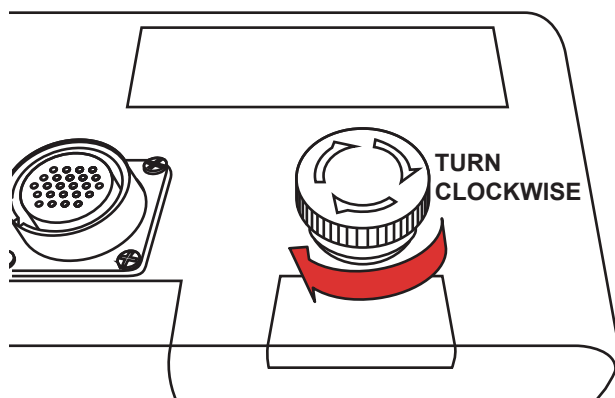


Figure 32. Turn Off Emergency Stop

2. Correct the table action that required an emergency stop.

8-3. Locking or Unlocking the Emergency Brake

The emergency brake release handle lifts the brakes when the table has no power. Follow the procedures in this section to release the brakes.



WARNING

Using the emergency brake release **WILL NOT** inhibit table articulation.

DO NOT tilt the tabletop while the emergency brake release handle is in the unlock position as the table may become unstable.

The table **MUST BE** reset after using the emergency brake release, as using it does not stop articulation like pressing Brake Unlock.

TO RESET THE TABLE return the emergency brake release to **LOCK**, then press the Brake Unlock button on the pendant control. Failure to reset the table could result in table articulation while the brake is off, and could cause a patient to fall off the table.

8-3-1. Unlocking the Table with the Emergency Brake Release

Turn the emergency brake release switch to the **UNLOCK** position, with the red **UNLOCK** at the top of the dial (Figure 33).

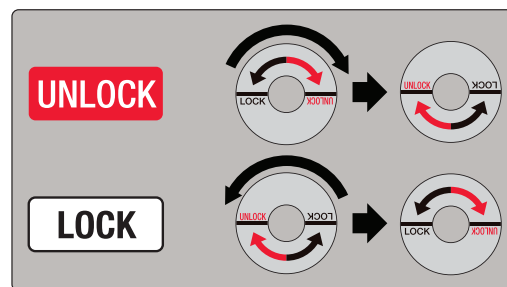




Figure 33. Emergency Brake Release

8-3-2. Locking the Table with the Emergency Brake Release

1. After confirming that the brake is released, turn the emergency brake release handle toward LOCK.
2. Push the Brake Unlock  button on the pendant control.
3. When securing the table position, push the Table Up /Table Lock  button on the pendant control simultaneously.

8-4. Controlling the Table with the Auxiliary Switch Terminal

CAUTION

Use the auxiliary switch only in an emergency. Observe table movement closely to ensure the table top does not come in contact with the floor or other objects. If it does, stop the table immediately or the table may be damaged.

1. Open the lid to the auxiliary switch terminal, located on the control console (Figure 34).

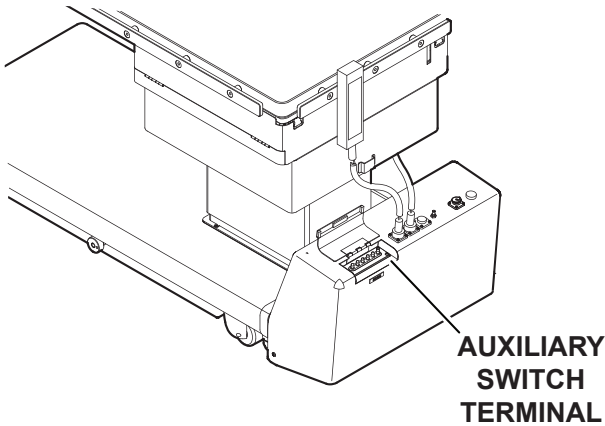


Figure 34. Auxiliary Switch Terminal

2. Toggle the switch on the control panel (Figure 35) for the desired table control.

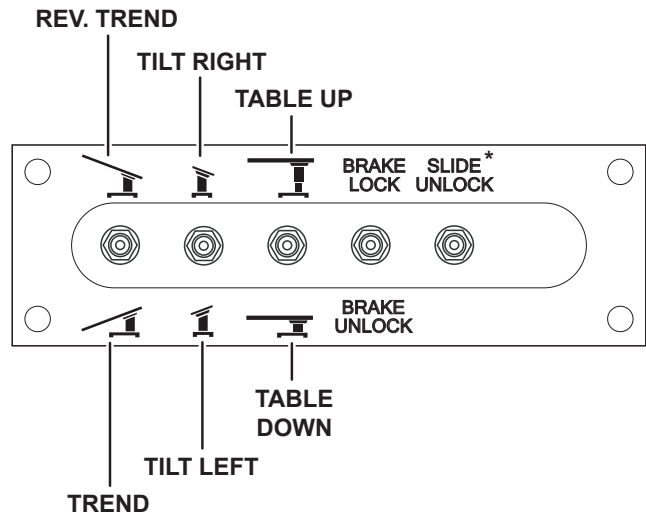


Figure 35. Control Panel Layout

9-1. Routine Inspections Performed by Operator

Refer to Replacement Parts section for component locations.



CAUTION

DO NOT use the table if any of the inspection points fail.

Always inspect the table prior to use to ensure safe and correct operation. Any malfunctioning component should be removed from service immediately and labeled INOPERABLE.

► DAILY OPERATOR TABLE INSPECTIONS ◀

INSPECT all table pads for damage

INSPECT all table sections for damage

INSPECT the table top assembly, all top sections, and the base for stability

INSPECT the power cord and plug for any signs of burns or damage

TEST the operation of the main power switch (POWER SWITCH)

TEST all functions of the pendant control for proper table movement

TEST the hand console for proper table movement

INSPECT the table base surface and the floor for any signs of oil leaking

CLEAN all the table according to cleaning procedures

TEST battery charge, **RECHARGE** batteries if necessary

► WEEKLY OPERATOR TABLE INSPECTIONS ◀

TEST each function for movement to ensure quiet and smooth operation

TEST safety interlock system function and audible alarms

INSPECT the overall condition of the pendant control

INSPECT the overall condition of the hand console

RECHARGE batteries

► MONTHLY OPERATOR TABLE INSPECTIONS ◀

INSPECT casters and hydraulic floor lock assembly, and clean as necessary.

INSPECT the emergency back-up switches for operation.

INSPECT the condition of the pendant control cord

INSPECT the condition of the hand console cord

INSPECT the condition of the table pad

9-2. Maintenance Schedule to be Performed by a Skytron Representative

Maintenance in this section must be performed by a Skytron authorized service representative using Skytron authorized replacement parts and service techniques.

9-2-1. Why maintain your table?

This guide describes the scheduled maintenance required for your Skytron table. Carefully following this schedule helps protect against major repair expenses resulting from neglect or inadequate maintenance. It is your responsibility to ensure that all scheduled maintenance is performed and that the materials meet Skytron engineering specifications identified in the Service Manual.

Failure to perform specific scheduled maintenance in this guide will invalidate warranty coverage on parts affected by lack of maintenance. Always ensure that records for completed maintenance are kept and confirmation of the work performed is always recorded. Your Skytron distributor has trained technicians who can perform the required maintenance using genuine Skytron parts.

9-2-2. Protecting your investment

Maintenance is an investment which pays dividends in the form of improved reliability, durability, and lower cost of service ratio. To ensure proper performance of your surgical table it is imperative that scheduled maintenance be completed at the designated intervals. Skytron has recommended intervals for various parts and component systems based on engineering testing relies upon this testing to determine the most appropriate service time interval to protect your surgical table.

Skytron recommends against alternative maintenance schedules that deviate from the scheduled maintenance. Any adverse condition should be brought to the attention of your local representative or qualified service technician as soon as possible for the proper service resolution.

9-2-3. Maintenance Matrix

► TO BE PERFORMED EVERY SIX MONTHS ◀
General
INSPECT and verify equipment labels in accordance with owner's manual requirements, REPLACE as necessary
TEST all table functions and verify each reaches its maximum range
TEST beach chair positioning (If Applicable)
TEST return-to-level feature, ADJUST hydraulic mini-valves if necessary
TEST the full range of table rotation z (If Applicable) <ul style="list-style-type: none"> • TEST the handle function • TEST for smooth articulation • TEST tabletop locking handle function
Electrical
TEST mains power function
INSPECT the AC power cord, REPLACE as necessary
INSPECT power cord receptacle for signs of damage or wear, REPLACE as necessary
INSPECT the mains grounding lead, REPLACE as necessary
TEST the LED battery function
TEST the emergency stop switch
TEST the inhibit circuit function
LOAD TEST the battery system
TEST the charging system output values

Electrical (Continued)
TEST and INSPECT the pendant control and hand console (If Applicable) <ul style="list-style-type: none"> • TEST each operation • INSPECT the pendant control cord and the hand console cord • INSPECT exterior condition and rubber housing / enclosures for signs of damage • INSPECT the cord attachments to the control ports on the table base REPLACE the pendant control and hand console as necessary
TEST the function of auxiliary ports
TEST the auxiliary switch function on the access cover
INSPECT for any signs of fluid ingress on auxiliary switches
TEST the elevation control buttons if applicable
Tabletop
TEST side rails and gravity stop hardware and function (If Applicable)
INSPECT back section engagement, lock release lever function, and release lever gravity stoppers (If Applicable)
INSPECT seat section engagement, lock release lever function, and release lever gravity stoppers (If Applicable)
INSPECT table top Velcro, REPLACE as necessary
TEST the X-ray top function
INSPECT the table top sections. Inspect for damage and cracking. Replace as necessary
INSPECT X-ray top standoffs, APPLY thread locking agent, and TIGHTEN if necessary
INSPECT all hydraulic fittings in the table top cylinders
INSPECT all hydraulic fittings and hoses to the table top cylinders
INSPECT each hydraulic cylinder
INSPECT each hydraulic ram and all moving surfaces, CLEAN if necessary
TEST articulation stops for even and smooth movement, ADJUST as necessary
INSPECT back section gear mesh (If Applicable), ADJUST if necessary
INSPECT the leg section eccentric cam system (If Applicable), ADJUST if necessary
INSPECT the kidney lift mechanism function for smooth and equal movement (If Applicable)
INSPECT the kidney bridge shafts (If Applicable), CLEAN if necessary
INSPECT kidney cylinders for damage, oxidation, and leaking (If Applicable)
INSPECT the back section, leg section, slide, and kidney bridge micro-switches (If Applicable), CLEAN if necessary
INSPECT the Trendelenburg housing head and tail cap fasteners
INSPECT the lateral tilt pivot mechanism and fasteners
INSPECT for Pivot P-95 O-ring function (If Applicable)
INSPECT, TEST, LUBRICATE, and CLEAN the slide table function (If Applicable) <ul style="list-style-type: none"> • INSPECT slide bearing raceways • INSPECT for table top rigidity while fully slid in the foot direction • TEST slide bearing function • LUBRICATE slide bearings with high pressure grease • CLEAN contaminants and lubricate slide bearing surfaces ADJUST slide bearings as necessary

Base
INSPECT the base for signs of damage or collision
INSPECT fasteners that secure the stainless access cover to the base casting
INSPECT the general surface condition of the underside base casting for signs of heavy oxidation or damage
INSPECT, LUBRICATE, and CLEAN the casters
TEST the brake cylinders
INSPECT and CLEAN the brake cylinders
INSPECT self leveling brake pad hardware
INSPECT all self-leveling brake pads, REPLACE if they show signs of wear or damage
INSPECT plumbing and terminal block assembly (If Applicable)
INSPECT access cover gaskets for signs of fluid ingress
INSPECT the base service area for hydraulic oil leaks and residual oil
INSPECT the elevation cylinder
TEST the emergency brake release function operation
Hydraulic System
TEST the Pressure Release Valve setting, ADJUST if necessary
ADJUST the Pressure Release Valve setting if necessary
INSPECT the hydraulic oil quality
INSPECT the hydraulic oil level
TEST and INSPECT the motor pump
TEST and INSPECT the mini-valve function for each articulation, ensure this is no drifting or unwanted movement
INSPECT the Flex-Reflex system (If Applicable), ADJUST mini-valve speed pressures based on time values
INSPECT the hydraulic cylinder for damage or leaking
Column
INSPECT upper and lower attachment hardware, TIGHTEN if necessary
TEST key way and sectional stops for proper function and operation (If Applicable)
TIGHTEN column keys (If Applicable)
LUBRICATE column with high-pressure grease or graphite-based grease
INSPECT hose guide function during elevation movement
INSPECT hoses for signs of abrasion or damage
LUBRICATE hoses
INSPECT inhibit switch riser cord assembly for abrasion, damage, and proper positioning
INSPECT elevation shroud gaskets for signs of fluid ingress
INSPECT and LUBRICATE table top rotation mechanism (If Applicable)

9-3. Disposal



Use proper disposal methods whenever disposing of old or damaged table parts. Always comply with federal, state, and local regulations for disposal. Contact your SKYTRON authorized representative for disposal instructions regarding the SKYTRON surgical table or parts.

MDR Annex1 14.7

In accordance with European Union Waste Electrical and Electronic Equipment (WEEE) Directive, all electrical components and batteries must be disposed of in accordance with local regulations. Please contact your local distributor for proper disposal.

9-4. Cleaning and Disinfecting the Table

During cleaning check the table for leaks, loose bolts or parts, and cracked, chipped, or missing paint. Repair as needed.

Perform the procedures in this section when cleaning the surgical table between cases or operations.



WARNING

Personal injury to patient or staff may result from a lack of proper maintenance of this equipment.

CAUTION

Caution should be taken when cleaning the table to prevent excessive fluid entry into electrical connectors.

NOTICE

Always follow current AORN/EORNA Journal Guidelines to ensure proper cleaning and disinfection procedure.

Always follow product cleaning and disinfecting instructions and warnings provided by the cleaning product manufacturer.

9-4-1. Cleaning the Table Pads

1. Place the table top in the level position.
2. Disconnect table power and protect connectors and electrical receptacles from moisture.



WARNING

Always follow OSHA/EASHW blood-borne pathogens standards for protective clothing, including gloves, masks, and eye protection when cleaning the surgical table.

3. Using disposable materials, remove major contaminants from the table in accordance with appropriate biohazard waste disposal procedures.
4. Remove all table pads and place them on a flat surface for cleaning.

CAUTION

Thoroughly read and follow the manufacturer's directions for all cleaning fluids. DO NOT use cleaners containing phenolics.

5. Use a ready-to-use detergent diluted as required by manufacturer. Active ingredients must be compatible with Skytron table materials.
6. Apply cleaning fluid liberally to top and sides of each pad and wipe with a clean lint-free cloth.
7. Remove the fluids on the pad with a Using a clean, damp, lint-free cloth.
8. Using a clean, dry, lint-free cloth, wipe the pads to remove all moisture.
9. Repeat Steps 6 through 8 to clean the bottom of each pad. Allow to dry.

CAUTION

Before replacing pads on the table, make sure the pads and all mating surfaces are completely dry. Moisture trapped between the pads and mating surfaces may cause distortion of table tops.

9-4-2. Cleaning the Table Surfaces

CAUTION

When using spray cleaners, DO NOT spray fluids directly into electrical receptacles or components.

1. Repeat the above cleaning procedure for all table surfaces including the top, sides, elevation column, base, and all accessories.
Clean casters and floor lock brakes.
2. When the cleaning procedure is complete, replace all pads and accessories as applicable.

9-4-3. Cleaning the Pendant Control

CAUTION

Avoid immersing the pendant control assembly in liquids.

1. Apply cleaning solution to the pendant control and cord using a clean, lint-free cloth.
2. Use a clean, lint-free cloth dampened with water to remove cleaning solution.
3. Use another clean damp cloth to remove any remaining residue.
4. Clip the pendant control on the side rail when the cleaning procedure is complete. Allow to dry.

9-4-4. Cleaning the Hand Console

CAUTION

Avoid immersing the hand console in liquids.

1. Remove the hand console so the full console can be cleaned.
2. Apply cleaning solution to every part of the hand console and cord with a clean, lint-free cloth.
3. Use a clean, lint-free cloth dampened with water to remove cleaning solution.
4. Use another clean damp cloth to remove any remaining residue.
5. Attach the hand console on the side rail when the cleaning procedure is complete. Allow to dry.

9-4-5. Disinfecting the Table



CAUTION

Only use approved antiseptic solutions for cleaning the table. Use enough disinfectant to ensure the cloth does not dry when wiping.

The following antiseptic solutions are approved for use on the table.

- Sodium Hypochlorite 6% diluted to 0.1% (halogen containing compound)
- Hypo Alcohol (iodine color removing agent)
- Chlorhexidine (chlorhexidine gluconate 0.5%)
- Benzalkonium Chloride (invert soap 10%)
- Povidone Iodine
- Ethanol 80%
- Oxydol (hydrogen peroxide)
- Isopropyl Alcohol (IPA) 99.5%

Use the following steps when disinfecting the surgical table:

1. Remove all table pads from the table.
2. Using a clean, lint-free cloth apply enough disinfectant so that it does not dry when wiping.
3. Thoroughly wipe the top, sides, and bottom of the pads with the cloth.
4. Disinfect the table top and the side rails using the same procedure.
5. Wipe all parts with a dry, clean, and lint-free cloth within 15 minutes after disinfecting.

9-5. Basic Maintenance Access

9-5-1. Removing the Back Pack Cover

1. Disconnect the control pendant and the hand console from the back pack (Figure 36).

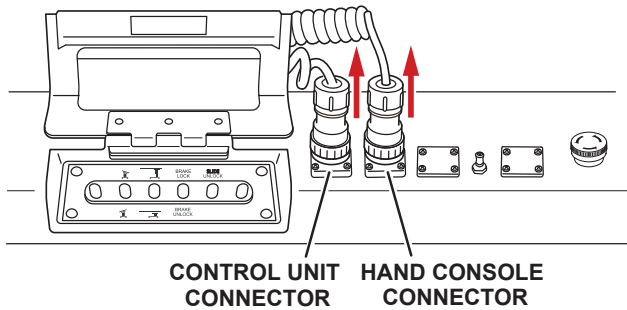


Figure 36. Disconnect Controllers

2. Remove the six screws holding the back pack cover to the base (Figure 37) and (Figure 38).

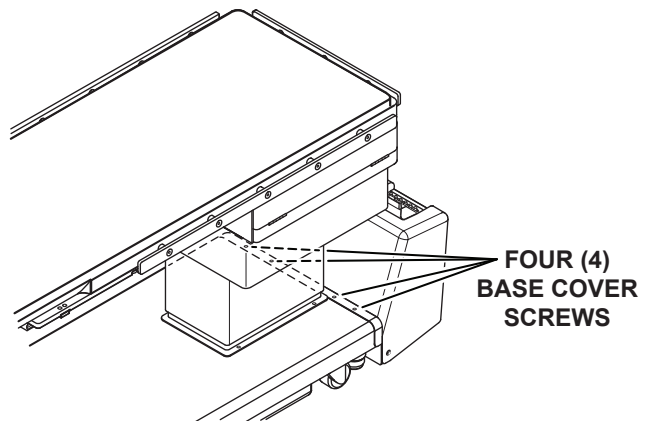


Figure 37. Back Pack Cover Screws

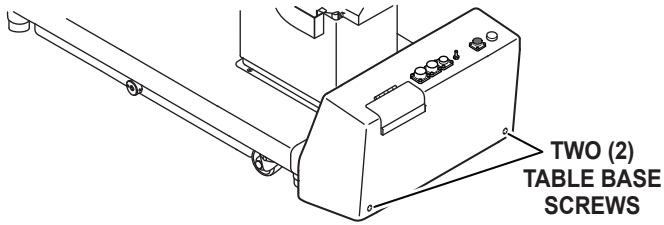


Figure 38. Back Pack Cover Screws

3. CAREFULLY remove the back pack cover and set it aside.

NOTICE

The wire harnesses are long enough to remove the cover without disconnecting them.

9-5-2. Removing the Base Cover

1. Remove the back pack cover.
2. Remove four screws from the column base.

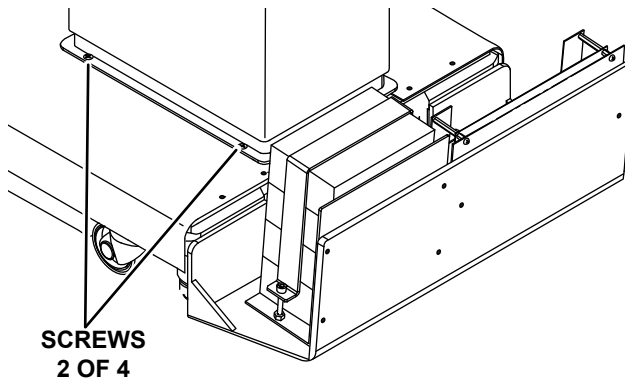


Figure 39. Base Column Screws

3. Remove two screws at the end of the table base.

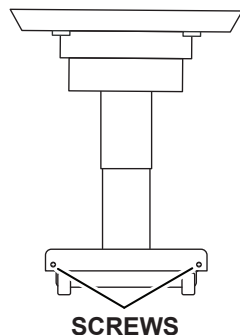


Figure 40. Base Cover Screws

4. Slide the base off.

Reverse the process to replace the cover.

9-6. Checking the Hydraulic Oil

NOTICE

The elevation cylinder should be completely down, brakes released, and all other control functions in the level position before checking hydraulic oil level.

1. Remove the base cover.
2. Locate the reservoir on the far end of the base, opposite the side of the back pack. Remove the oil filler cap from the reservoir (Figure 41).

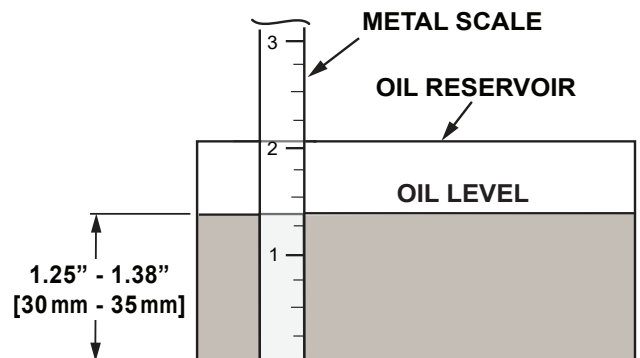
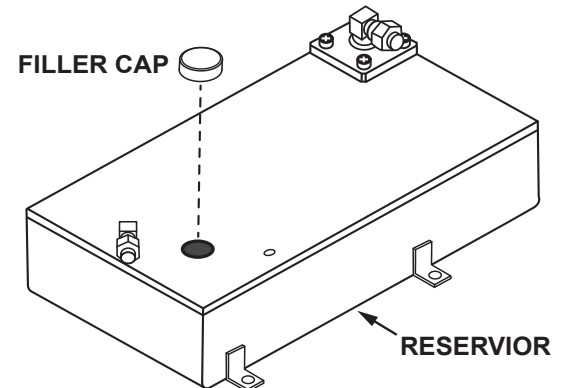


Figure 41. Oil Reservoir

3. Use a metal scale to check the hydraulic oil level in the oil reservoir.

NOTICE

The hydraulic oil level should be 1.25" to 1.38" [30mm to 35mm] from the bottom of the tank.

4. If necessary, add hydraulic oil to the oil reservoir until the oil level is 1.25" to 1.38" [30mm to 35mm] from the bottom of the tank.
5. Clean up any oil spillage, if necessary.
6. Replace the oil filler cap.
7. Replace the base cover.

9-7. Replacing the Battery

NOTICE

Replace all four batteries at the same time.

1. Remove the back pack cover.
2. Remove the electrical tape from the terminals.

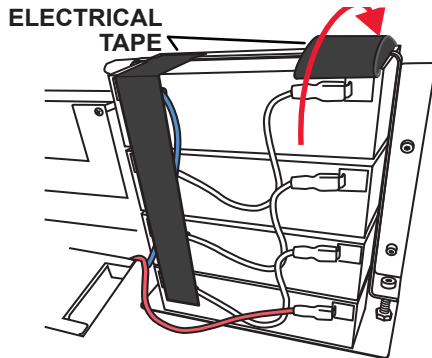


Figure 42. Remove the Electrical Tape

3. Remove wires from the connection terminals.

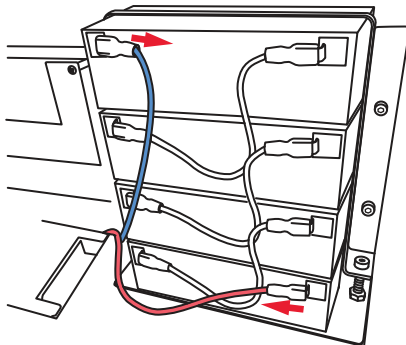


Figure 43. Remove the Table Connections

4. Remove the two retainer bolts with a 5mm Allen wrench.
5. Remove the battery retainer and the batteries.

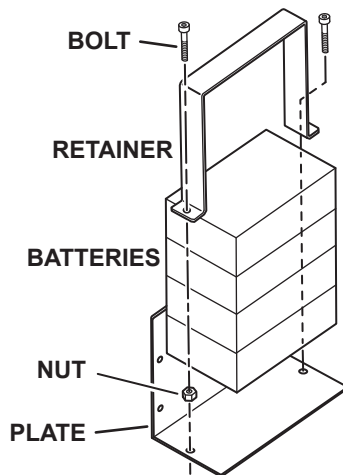


Figure 44. Remove the Batteries

6. Install four new batteries.
7. Replace the retainer and affix with the two screws.
8. Wire the four batteries in series.
 - Connect the negative terminal on each of the three lower batteries to the positive terminal on the battery above it (Figure 45).
 - The negative terminal on the top battery will connect to the table.

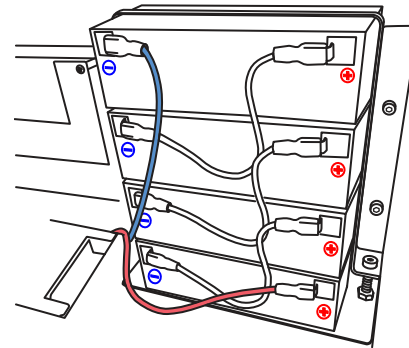


Figure 45. Wire the Batteries in Series

9. Restore power connections to the table (Figure 46):
 - Connect the BLUE wire to the negative terminal on the top battery.
 - Connect the RED wire to the positive terminal on the bottom battery.

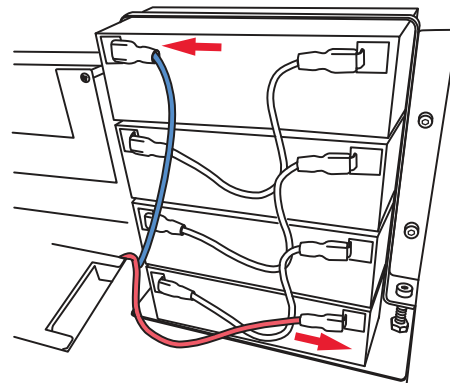


Figure 46. Reconnect the Battery Power

10. Cover the terminals with electrical tape so they are no longer exposed.
11. Replace the back pack cover.



CAUTION

Be careful not to pinch or crush wires when replacing the back pack cover.

12. Connect the pendant control and the hand console to the back pack.

10-1. Troubleshooting Matrix

The following problems can occur even if the operating table is functioning properly. Check the following points before contacting your distributor for repair.

Problem	Possible Cause	Solution
The table cannot be switched on	1. The pendant control is not connected properly.	1. Make sure the connector is securely connected to the table.
A function button on the pendant control or the hand console does not work	1. The controller is not connected properly. 2. Protection circuit is activated	1. Make sure the connector is securely connected to the table. 2. Wait 60 minutes and then retry operating the table.
The brake button on the pendant control does not function.	1. The emergency brake release handle is in a release (UNLOCK) position. 2. After the brake was unlocked with the emergency brake release handle, the brake was not also unlocked with the pendant control.	1. Turn the brake release handle toward "LOCK" 2. Unlock the brake with the pendant control.
The table does not slide	1. The lock mechanism of sliding the table is temporarily deactivated.	1. Perform the reset operation.

If the condition is not improved even if the above measures are taken, contact a distributor or Skytron for repair.

10-2. Operator Troubleshooting

When troubleshooting a table malfunction, first determine the following:

1. Does the problem affect all control functions?
2. Does the problem affect only one control function?
3. If the problem affects one control function is it in both directions?
4. Is the problem intermittent?
5. Is the problem no movement of a table surface or does the table surface lose position?
6. present and readable.
3. Ensure the table top sections are not cracked or warped. Replace as needed.
4. Ensure heads of the screws that secure all top sections do not have sharp burrs.
5. Place an X-ray top into the table top sections to ensure that it has a snug fit.
6. Inspect for hydraulic oil leaks.

10-2-1. Top Section Components

1. Make sure the side rails are installed.
2. Ensure that all warning and caution labels are

10-2-2. Inspecting Base Components

1. Ensure the power cord is not frayed, pinched, or otherwise damaged (Figure 47).

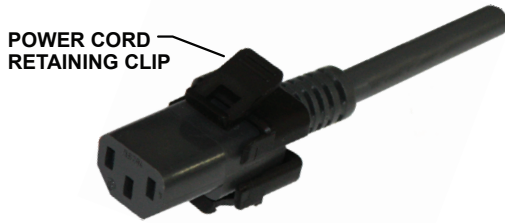


Figure 47. Power Cord

2. Ensure the power cord retaining clip is present and locks the power cord to the table receptacle.
3. Make sure that the power indicator LEDs and battery indicator LEDs are functioning.
4. Make sure the ground equalization terminal post is installed and is securely attached.
5. Make sure the pendant control cover is not torn or has sections missing. Replace as needed.
6. Ensure the pendant control cord is not frayed, pinched, or otherwise damaged.
7. Test each pendant control articulation button for full range of travel.
8. After the AC power and battery are turned OFF, briefly toggle each emergency back up switch to ensure operation.
9. Test the pendant control's Brake Unlock button and Table Up (lock) button functions.
10. Open the Emergency Brake Release valve to ensure proper operation.
11. Inspect for hydraulic oil on the base, under the access cover, and all four (4) brakes.
12. Ensure the shroud assemblies are not damaged and slide smoothly.
13. Check all screws are secured tightly.
14. Ensure all four casters rotate 360° and there are no flat spots on the wheels.
15. Ensure there are four (4) brake pads and they are not chipped or otherwise damaged.

10-3. In Case of Malfunction

Follow the instruction below in case of a faulty operating table and pendant control.

1. Turn the power switch OFF and remove the power cord from the wall outlet.
2. Put up an "Out of Order" or "Do Not Use" sign on the table.

CAUTION

Please contact your local distributor or manufacturer for maintenance or repair. The operating table should only be serviced or maintained by an authorized personnel.



CAUTION

In order to prevent infection, be sure to clean and disinfect the operating table.

Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this manual.

Portable and mobile RF communications equipment can affect Medical Electrical Equipment.

The use of Accessories, transducers, and cables other than those specified, with the exception of transducers and cables sold by the Manufacturer of this device as replacement parts for internal components, may result in increased Emissions or decreased Immunity of the 3008 Imaging Table.

The 3008 Imaging Table should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the 3008 Imaging Table should be observed to verify normal operation in the configuration in which it will be used.

GUIDANCE MANUFACTURER'S DECLARATION -- ELECTROMAGNETIC EMISSIONS		
The 3008 imaging table is intended for use in the electromagnetic environment specified below.		
Emission Test	Compliance	Electromagnetic Environment - Guidance
RF Emissions CISPR 11	Group 1	The 3008 Imaging Table uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	The 3008 Imaging Table is suitable for use in all establishments, other than domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

RECOMMENDED SEPARATION DISTANCES BETWEEN PORTABLE AND MOBILE RF COMMUNICATIONS EQUIPMENT AND THE 3008 Imaging TABLE			
The 3008 Imaging Table is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the 3008 Imaging Table can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the 3008 Imaging Table as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.7 GHz
W	$d = 1.2\sqrt{P}$	$d = 1.2\sqrt{P}$	$d = 2.3\sqrt{P}$
0.01	.12	.12	.23
0.1	.38	.38	.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.			
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.			

GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC IMMUNITY


The 3008 Imaging Table is intended for use in the electromagnetic environment specified below. The customer or the user of the 3008 Imaging Table should assure that it is used in such an environment

Immunity Test	IEC 60601 test level	Compliance Level	Electromagnetic Environment–Guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±15 kV air	±8 kV contact ±15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%
Electrical fast transient/burst IEC 61000-4-4	±2 kV 100kHz for power supply line ±1 kV 100kHz for input/output line	±2 kV 100 kHz for power supply line ±1 kV 100 kHz for input/output line	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±0.5 kV, ±1kV line(s) to line(s) ±0.5 kV, ±1, kV ±2 kV line(s) to earth	±0.5 kV, ±1kV line(s) to line(s) ±0.5 kV, ±1 kV, ±2 kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0% UT; 0.5 ^{g)} At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° ^{q)}	0% UT; 0.5 ^{g)} At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° ^{q)}	Mains power quality should be that of a typical commercial or hospital environment. If the user of the 3008 Imaging Table requires continued operation during power mains interruptions, it is recommended that the 3008 Imaging Table be powered from an uninterruptable power supply or a battery.
	0% UT; 1 cycle and 70% UT; 25/30 cycles ^{h)} Single phase: at 0°	0% UT; 1 cycle and 70% UT; 25/30 cycles ^{h)} Single phase: at 0°	
	70% UT; 250/300 cycles ^{h)}	70% UT; 250/300 cycles ^{h)}	
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m 50 Hz or 60 Hz	3 A/m 50 Hz or 60 Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment

NOTE: U_T is the a.c. mains voltage prior to application of the test level.

GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC IMMUNITY

The 3008 Imaging Table is intended for use in the electromagnetic environment specified below. The customer or the user of the 3008 Imaging Table should assure that it is used in such an environment.

Immunity Test	IEC 60601	Compliance Test	Electromagnetic Environment–Guidance
Conducted RF IEC 61000-4-6	POWER SUPPLY LINE 3 V ^{m)} 0.15 MHz - 80 MHz 6 V ^{m)} in ISM bands between 0.15 MHz and 80MHz ^{N)} 80% AM at 1 kHz ^{e)} INPUT/OUTPUT LINE 3 V ^{h)} 0.15 MHz - 80 MHz 6 V ^{h)} in ISM bands between 0.15 MHz and 80MHz ^{N)} 80% AM at 1 kHz ^{c)}	3 Vrms 150 kHz to 80 MHz 3 V/m 80 MHz to 2.5 GHz	Portable and mobile RF communications equipment should be used no closer to any part of the 3008 Imaging Table, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Interference may occur in the vicinity of equipment marked with the following symbol: <div style="text-align: center;">  </div>
Radiated RF IEC 61000-4-3	3 V/m 80 MHz - 2.7 GHz 80% AM at 1 kHz		

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

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

^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Operating Table VACB-3008 is used exceeds the applicable RF compliance level above, the Operating Table VACB-3008 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Operating Table.

^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Replacement parts listed in this section have been identified by Skytron as serviceable by facility personnel and are available for purchase. To obtain Skytron certified parts and authorized service, contact your Skytron representative.

The following abbreviations are used in this section:

- AR = As Required
- NS = Not Shown
- NAS = Not Available Separately

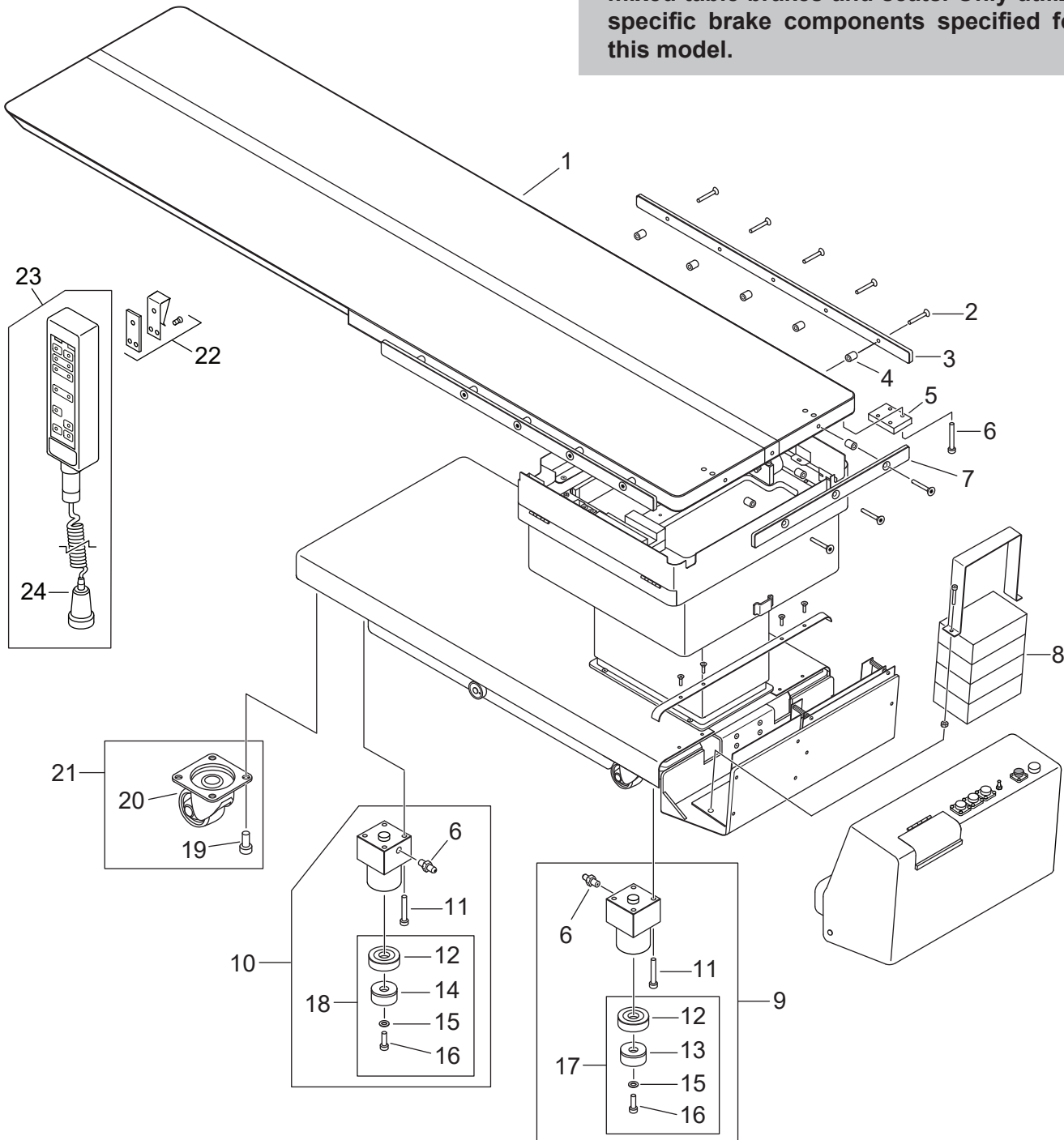
CAUTION

Any parts or assemblies not listed in this section must be serviced or replaced by Skytron authorized service personnel only. This is necessary to avoid the possibility of damage to the equipment.



WARNING

Table instability will occur on a table with mixed table brakes and seats. Only utilize specific brake components specified for this model.



12-1. 3008 Clarity Imaging Table Serviceable Parts

Item	Part No.	Description	Qty.
1	300M001	CARBON TOP	1
2	A0720850	SCREW, phillips, M8 x 50 (stainless)	13
3	302D001	RAIL, side	2
4	5000513	COLLAR, side rail	13
5	303A215	BLOCK, y-slide	4
6	A0010630	BOLT, allen, M6×30 (plated)	16
7	302D002	RAIL, leg side	1
8	J090A53	BATTERY, set of four (4)	1
9	001R566	BRAKE CYLINDER assembly (HARD) set of two (2)	1
10	001R567	BRAKE CYLINDER assembly (SOFT) set of two (2)	1
11	A0020650	BOLT, allen, M6 x 50 (stainless)	4
12	5000210	SEAT, brake rubber	1
13	C700004	Brake rubber (HARD)	1
14	C700220	Brake rubber (SOFT)	1
15	5000505	WASHER	1
16	A0020620	BOLT, allen, M6 x 20 (stainless)	1
17	J090C19	BRAKE RUBBER SET (HARD) qty of two (2)	1
18	J090C20	BRAKE RUBBER SET (SOFT) qty of two (2)	1
19	A0021020	BOLT, allen, M10 x 20 (stainless)	4
20	C0006507	CASTER, HG-65GNB	1
21	J090C38	CASTER with bolts, set of four (4)	1
22	M002340	HOOK, pendant (w/ screws and insert)	1
23	SWB0341	Pendant control (EU/US) with cord	1
24	M001962	CORD, pendant control	1

SECTION 13. REVISION HISTORY

Date	Revision	Revision History
10/08/2018	0	Initial release.
11/22/2019	1	Pg 4 - Caution added under Transportation Instructions. Pg 8- Caution added above Intended Use. Pg 9 - Corrected length and minimum height on table dimensions drawing.
09/18/2023	2	Updated Skytron logo to current standards. Cover page - Added Medical Device symbol. Back of Cover - Updated Skytron & Emergo Europe addresses. Added manufacturer and European Authorized Representative headers. Pg 4 - Added Reporting Serious Incidents section. Pg 8 - Updated intended user statement. PG 10 - Updated Control Devices; Pendant Control specifications. Pg 11 - Added UDI label, indicated new label location. Pg 12 - Added symbols list with MD symbol. Pg 28 - Revised auxiliary switchCAUTION. Pg 33 - Added WEEE waste disposal statement. Pg 37 - Revised troubleshooting chart solution for A function button on the pendant control or the hand console does not work. Pg 43 - Updated serviceable parts BOM part numbers.

NOTES



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