Trios®
Orthopedic Trauma Top

Owner's Manual

Available Translations:

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1 Important Notices

CAUTION: To ensure safe operation of the equipment, please READ THESE INSTRUCTIONS COMPLETELY and keep this manual readily available for future reference.

CAUTION: Trained personnel must also read the NW0785 Trios® Table Base Owner's Manual in its entirety to properly and safely operate the equipment.

Carefully observe and comply with all warnings, cautions and instructions placed on the equipment or described in this manual and in the NW0785 Trios® Table Base Owner's Manual.

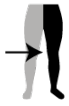
NOTE: *This device is intended for use by trained personnel only. To schedule an in-service, please contact your domestic Mizuho OSI sales representative, or call **1-800-777-4674** inside the USA or **+1-510-429-1500** outside the USA.*

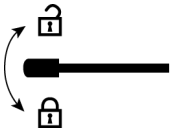
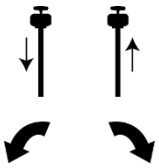
NOTE: *The application techniques outlined in these instructions are the manufacturer's suggested techniques. The final disposition of each patient's care as related to the use of this equipment rests with the attending surgeon.*

The following symbols are used on this product and/or in this manual:

Symbol	Meaning
EC REP 5.1.2 Authorized representative in the European Community[1]	This symbol indicates an authorized representative in the European Community.
CH REP CH-REP symbol[6]	This symbol indicates the authorized representative in Switzerland.
CE CE marking[7]	This symbol indicates the product is in conformity with European Community harmonization legislation.
UK CA UKCA marking[8]	This symbol indicates the product is in conformity with the requirements of the relevant Great Britain (UK) legislation.
MD Medical Device[1]	This symbol indicates a medical device.
 3082 Manufacturer[2]	This symbol indicates the Manufacturer of the device.

 2497 Date of manufacture[2]	This symbol indicates the Date of manufacture.
NOTE:	This symbol indicates a comment or instruction of importance.
 0434B Caution[2]	This symbol is to signify CAUTION. It is intended to alert the user to consult the documentation for safety-related information such as warnings and precautions that cannot, for a variety of reasons, be presented on the device itself.
 W001 General Warning sign[3]	This WARNING symbol is intended to alert the user of important operation, maintenance, or safety instructions.
 WEEE symbol[5]	This symbol indicates proper disposal instructions.
 2493 Catalog number[2]	This symbol indicates a product number.
 2498 Serial number[2]	This symbol indicates a serial number.
 M002 Refer to instruction manual/booklet[3]	This symbol indicates that you must read the owner's manual before use.
 1641 Consult instructions for use[2]	This symbol indicates that you are advised to refer to the owner's manual before use.
 W001 General warning sign[3] M002 Refer to instruction manual/booklet[3]	This symbol indicates that a Warning exists related to actions to be taken, and the owner's manual must be read before use.
 5021 Equipotentiality[4]	This symbol indicates an external ground stud that is required to be connected to earth ground (via equipotential connector/busbar) when the AC power cable is not connected to a protective earth ground hospital grade AC outlet in your operating room or facility.

 5840 Type B applied part[4]	This symbol indicates this equipment is an applied part TYPE B in accordance with IEC 60601-1 and is generally suitable for applications involving external or internal contact with the patient, excluding the heart. The patient circuit is connected to protective earth and this equipment should be connected only to hospital grade AC outlets with a protective earth ground.
 5009 Stand-by[4]	This symbol identifies a Power/Standby switch.
	This symbol indicates Up-Down movement.
	This symbol indicates patient weight limit.
	This symbol indicates rotation in two directions.
	This symbol indicates rotation in one direction (clockwise).
	This symbol indicates rotation in one direction (counterclockwise).
 5569 Locking, general[4]	This symbol indicates the Locked state.
 5570 Unlocking, general[4]	This symbol indicates the Unlocked state.
	This symbol indicates rotate clockwise to lock.
	This symbol indicates rotate counterclockwise to unlock.
	This symbol indicates rotate clockwise to lock and rotate counterclockwise to unlock.
	This symbol indicates Patient's left.
	This symbol indicates Patient's right.
	This symbol indicates Patient's left leg.

	This symbol indicates Patient's right leg.
	This symbol indicates the Traction Arc.
	This symbol indicates lift the Release Lever to unlock, allowing the Traction Unit Upright to be lowered, and lower the Release Lever to lock the Traction Unit Upright in place.
	This symbol indicates rotate clockwise to raise the Traction Unit Upright and rotate counterclockwise to lower the Traction Unit Upright.

[1] Standard symbol from "ANSI/AAMI/ISO 15223-1: Medical devices – Symbols to be used with information to be supplied by the manufacturer – Part 1: General requirements."

[2] Standard symbol from "ISO 7000 Graphical symbols for use on equipment."

[3] Standard symbol from "ISO 7010: Graphical symbols – Safety colours and safety signs – Registered safety signs."

[4] Standard symbol from "IEC 60417 Graphical Symbols for use with Equipment."

[5] Symbol from "Directive 2012/19/EU."

[6] Symbol from "Medical Device Ordinance of 1 July 2020; SR 812 213."

[7] Symbol from Regulation (EC) No 765/2008.

[8] Symbol from "The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulation 2019, Schedule 33."

WARNING: Proper preoperative and intra-operative procedures must be followed to prevent venous stasis and pooling, pressure sore development, neuropathy, improper electro-surgical tissue grounding, hypertension/hypotension, and hypothermia.

WARNING: Use of the Trios® Orthopedic Trauma Top with patients weighing more than 500 lbs (227 kg) could result in damage to the table, possible injury to the patient, or harm to the healthcare professionals.

WARNING: The table tops will only support the specified patient weight when installed patient side up (Patient Weight Limit label and Table Top Handles are visible) to the Crossbar, as described in Section 6. Placing a patient on a table top that is not installed as described could result in damage to the table, possible injury to the patient, or harm to the healthcare professionals.

WARNING: The Trios® Orthopedic Trauma Top is to be used by personnel that receive training from either Mizuho OSI or from someone qualified by the medical facility to provide this training. Failure to comply with this requirement may result in damage to the device, possible injury to the patient, or harm to the healthcare professionals.

WARNING:  **This symbol indicates an external ground stud that is required for use when the AC power cable is not connected to a protective earth ground hospital grade AC outlet in your operating room or facility. To protect the patient, hospital staff, and the table from possible electrical hazards, an external ground wire connection is required between the external ground stud and protective earth ground (via equipotential connector/busbar) when the table is in use under battery power.**

WARNING: Before and after each use, inspect the table top, components, and accessories for possible damage, excessive wear, or non-functioning parts. Carefully inspect all critical, accessible areas, joints, and all moving parts for possible damage or non-function. Damaged or defective parts should not be used or processed. Contact Mizuho OSI Service for repair or replacement (see Section 11).

WARNING: The Trios® Orthopedic Trauma Top in conjunction with the Trios® Table Base should not be operated in the presence of flammable anesthetics, volatile substances, or other explosive gases, liquids, or atmospheres.

WARNING: No modification of the Trios® Orthopedic Trauma Top, Trios® Table Base, or their components is allowed. Any modification to the equipment may result in damage to the table, possible injury to the patient, or harm to the healthcare professionals.

WARNING: Use of components not manufactured or recommended by Mizuho OSI may result in harm to the patient, the device, or the healthcare professionals.

WARNING: Do not perform any service or maintenance work on the device while it is in use with a patient. Servicing the device while in use may cause injury to the patient.

CAUTION: As outlined in the AORN Recommended Practices for Positioning a Patient in the Perioperative Setting, following the positioning of the patient, an assessment of the patient's alignment, tissue perfusion, and skin integrity should be completed. All contact points of the patient with the table pads should be monitored during the procedure.

NOTE: *If high-frequency surgical equipment, cardiac defibrillators, or cardiac defibrillator monitors are to be used with the Trios® Surgical Table System, refer to the instructions for use provided by the manufacturer of those devices. Potential hazards that must be considered include, but are not limited to, patient burns, explosion hazards, and electric shock of the patient or operator.*

NOTE: *(European Union) Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.*

1.1 Trademarks and Patents

Trios®, IntelliPendant®, Orange Aid®, and GentleTouch® are registered trademarks of Mizuho OSI.

Tempur-Pedic® and TEMPUR® are registered trademarks of Tempur-Pedic North America, Inc.

Velcro® is a registered trademark of Velcro Industries.

This product is protected by:

US patent number: 5,658,315

1.2 Disposal of Electrical Components



In accordance with the European Union Waste Electrical and Electronic Equipment (WEEE) Directive, all electrical components, batteries, and carbon composite components must be disposed of in accordance with local regulations or returned to Mizuho OSI for proper disposal. Please contact Mizuho OSI Service at **1-800-777-4674** inside the USA or **+1-510-429-1500** outside the USA for further information regarding this requirement.

2 Introduction

2.1 General Description

The Trios® Orthopedic Trauma Top is designed to safely hold in proper position a patient undergoing orthopedic surgical procedures, including supine position for Hip Pinning or IM Nailing of the Femur or Tibia, and lateral decubitus position for IM Nailing of the Femur. The Trios® Orthopedic Trauma Top is capable of pulling both skin and skeletal traction and is designed to be used in conjunction with the REF 7803/7803AP Trios® Table Base.



Figure 1: Trios® Orthopedic Trauma Top Mounted on the Trios® Table Base

WARNING: This manual assumes the user has read the Trios® Table Base Owner's Manual and is thoroughly familiar with its operation. Do not proceed if you do not know how to operate the Base.

The Trios® Orthopedic Trauma Top has a 3-inch (7.6 cm) thick Mizuho OSI Tempur-Pedic® Medical Pad. The material used in the manufacture of the pads has viscoelastic properties and is temperature sensitive, becoming softer where the patient's body makes the most contact with the surface and remaining firm in the areas where less body contact is made. Pressure is distributed evenly over the entire surface area. The pad is radiolucent and is not made with natural rubber latex. The benefits of using Mizuho OSI Tempur-Pedic® Medical Pads are improved pressure management, reduced shear forces, and enhanced patient comfort when used in ambient temperatures.

CAUTION: In accordance with AORN recommendations, it is important to limit skin exposures to lower ambient temperatures, protect the patient by initiating passive warming interventions (e.g. applied forced-air warming systems, blankets, drapes, and reflective composites), and to maintain an ambient room temperature of 20° to 25°C.

CAUTION: The Trios® Orthopedic Trauma Top consists of carbon composite components; care must be used when handling this device. When attaching additional components to the carbon composite side rails, it is recommended that the Universal Side Rail Adapter is used. Failure to use this Adapter may result in damage to the table, or harm to the patient or the healthcare professionals.

NOTE: *When the large Foot-End Trios® Traction Arc is attached to the Trios® Table Base, the lateral roll function of the Base is automatically rendered inactive to improve the stability of the table assembly during use or function. Refer to the Trios® Table Base Owner's Manual for operating instructions for the Base.*

WARNING: If the lateral roll (tilt function) is not rendered inactive when the Trios® Traction Arc is installed, contact Mizuho OSI to remedy this action. Failure to ensure non-action may cause harm to the table, patient, and/or healthcare professionals.

2.2 Intended Use

The Trios® Orthopedic Trauma Top used in conjunction with the Trios® Table Base creates an electrically powered mobile operating table, designed to provide patient comfort and enhanced patient positioning for orthopedic surgery. The Trios® Orthopedic Trauma Top is designed for adult and pediatric patients with a body weight up to 500 lbs (227 kg).

2.3 User Profile

The Trios® Surgical Table System is suitable for use by health care professionals, including but not limited to surgeons, radiologists, anesthesiologists, circulating nurses, surgical technicians, biomedical technicians, and radiology technicians.

2.4 Training Requirements

Before using the Trios® Surgical Table System, the user must read the following documents:

NW0785 Trios® Table Base Owner's Manual

NW0816 Trios® Orthopedic Trauma Top Owner's Manual

It is required that personnel using the Trios® Surgical Table System receive training by either Mizuho OSI or by someone qualified by the medical facility to provide this training.

WARNING: Failure to ensure training prior to use of this device may cause harm to the patient, healthcare professional, or the device.

2.5 Conditions of Use

The Trios® Orthopedic Trauma Top used in conjunction with the Trios® Table Base may be used several times throughout the day and night in medical facilities, e.g. hospitals and outpatient surgery/imaging centers. The Trios® Orthopedic Trauma Top with the Trios® Table Base will be used in an operating room or other treatment room, and may be rolled between rooms. It shall not be used for patient transport.

2.6 Product Lifetime

The product design life is ten (10) years. At the time of delivery, your product fulfills existing regulations and standards. However, despite proper use, routine inspection, prescribed service, maintenance, and repairs, the product is subject to aging and wear. The product's functionality depends on many factors, including but not limited to the frequency of use, maintenance and servicing, and how it's used. Therefore, Mizuho OSI recommends that the table undergo authorized preventative maintenance and repair throughout its lifetime. Contact Mizuho OSI Service for product end-of-life disposal instructions (see Section 11). For product warranty information, see Section 11.5.

NOTE: *Expected end-of-life for Tempur-Pedic® Medical Pads is three (3) years or sooner, based on use and care.*

2.7 Specifications

The Trios® Orthopedic Trauma Top has the following specifications:

- Maximum patient load of the table top is 500 lbs (227 kg)
- The length of the table top is 92 inches (233.5 cm) when including Mounting Hooks.
- The width of the table top is 21.5 inches (55 cm).
- The table top is made of carbon fiber.

Installation of the Trios® Orthopedic Trauma Top allows the full range of Trendelenburg/Reverse Trendelenburg and Lateral Tilt provided by the Trios® Table Base. Once the Trios® Traction Arc is installed, Lateral Tilt functionality is automatically disabled.

NOTE: *Refer to NW0785 Trios® Table Base Owner's Manual for Trendelenburg/Reverse Trendelenburg and Lateral Tilt specifications.*

WARNING: If the lateral roll (tilt function) is not rendered inactive when the Trios® Traction Arc is installed, contact Mizuho OSI to remedy this action. Failure to ensure non-action may cause harm to the table, patient, and/or healthcare professionals.

2.8 Shipping and Storage

If required to be transported, the Trios® Orthopedic Trauma Top must be transported using the appropriate shipping crate.

When not in use, the Trios® Orthopedic Trauma Top, the standard components, and any optional accessories should be stored in a clean, dry environment.

The following conditions are required of the shipping and/or storage environment:

- Ambient temperature -4 °F (-20 °C) to 122 °F (50 °C)
- Relative humidity from 10% to 95%, non-condensing
- Atmospheric pressure from 75 to 105 kPa

If the table top is stored on the Trios® Table Base, the table cover provided serves as a dust cover and should be used.

3 Component Identification

3.1 Trios® Orthopedic Trauma Top

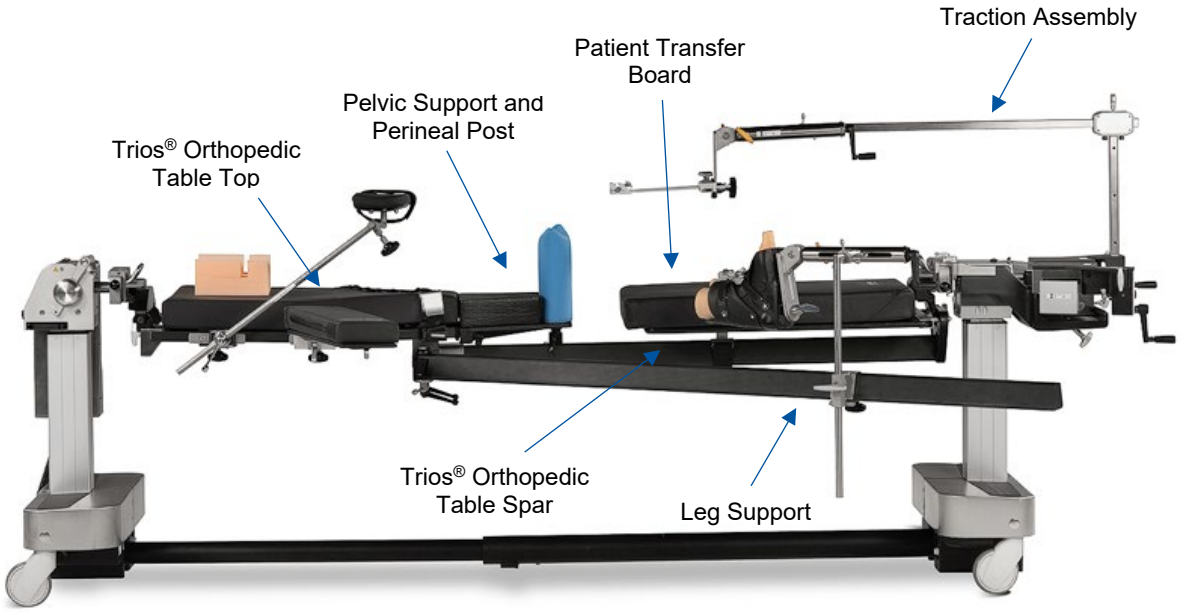


Figure 2: Trios® Orthopedic Trauma Top Mounted to Trios® Table Base

The Trios® Orthopedic Trauma Top consists of the Trios® Orthopedic Table Top at the Head-End and the Trios® Orthopedic Table Spar at the Foot-End. The Trios® Orthopedic Table Top has a 3-inch (7.6 cm) thick Mizuho OSI Tempur-Pedic® Medical Pad to support the patient's upper body. The Trios® Orthopedic Table Spar provides a point of attachment for various components and accessories to support the patient's lower extremities.

3.2 Traction Assembly

3.2.1 Trios® Traction Arc

When traction is required for a surgical procedure, it is necessary to attach the Trios® Traction Arc to the Foot-End Column of the Trios® Table Base. The Trios® Traction Arc allows for attachment and adjustment of various traction accessories.

NOTE: *See Section 6.3 for instructions on attaching the Trios® Traction Arc to the Trios® Table Base.*

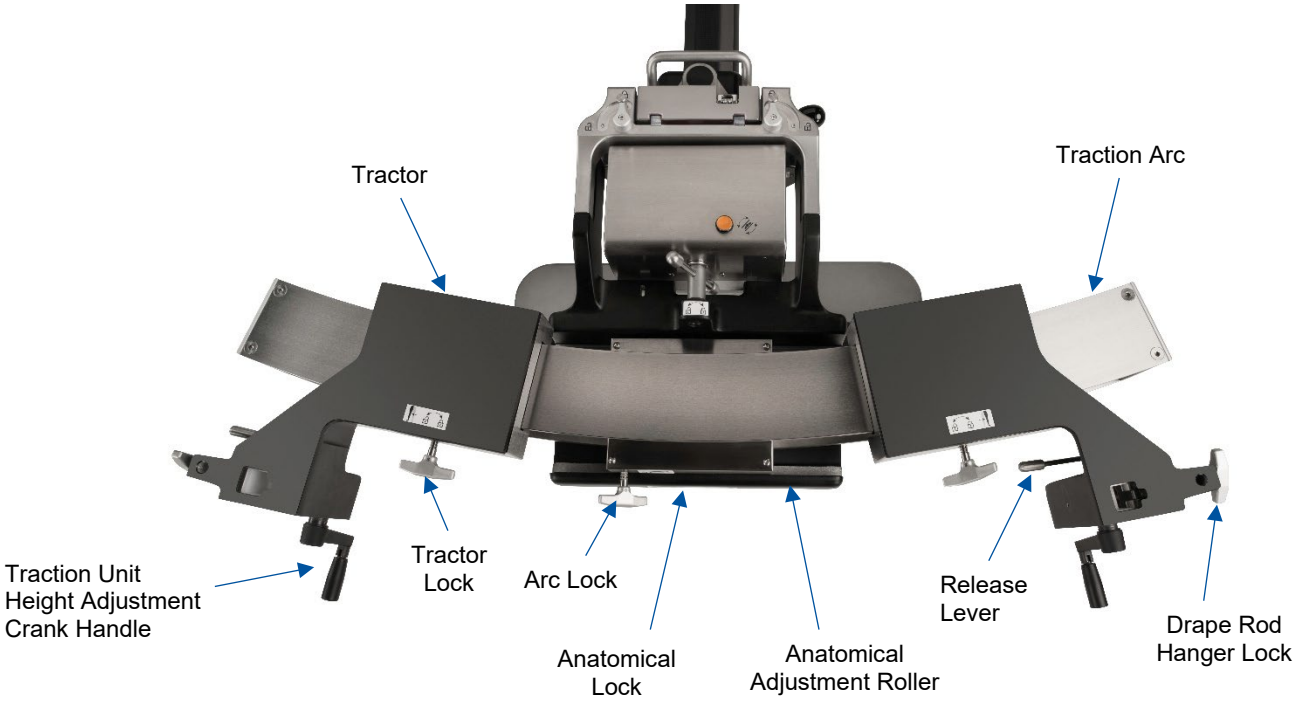
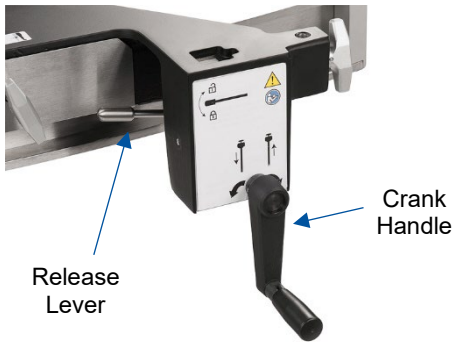


Figure 3: Trios® Traction Arc Assembly

The Traction Arc is the movable platform that supports the left and right Tractors. All traction accessories attach to these Tractors, which can be repositioned to any point along the Traction Arc to accommodate various surgical setups.

The following adjustments can be made using the Trios® Traction Arc Assembly:

Anatomical Lock 	Turn this lock counterclockwise to unlock the Anatomical Adjustment Roller, which allows lateral translation of the Traction Arc Assembly. This moves the center point of the Traction Arc in relation to the center point of the table top up to four (4) inches (10 cm) in either direction. Turn the lock clockwise to lock the Anatomical Adjustment Roller in place.
Arc Lock 	Turn this lock counterclockwise to unlock the Traction Arc, allowing the Arc to translate along its full range of motion (approximately 20° from center in both directions) to accommodate various surgical setups. Turn the lock clockwise to lock the Traction Arc in place.
Tractor Lock 	Turn this lock counterclockwise to unlock the Tractor, allowing it to move along the length of the Traction Arc. Once properly positioned for the surgical setup, turn the lock clockwise to lock the Tractor in place.
Traction Unit Height Adjustment Crank Handle and Release Lever 	Turn the Traction Unit Height Adjustment Crank Handle clockwise to raise the height of the Traction Unit Upright. To lower the height of the Traction Unit Upright, lift the Release Lever and turn the Traction Unit Height Adjustment Crank Handle counterclockwise.

Drape Rod Hanger Lock 	Turn this lock clockwise to secure the Drape Rod Hanger Post in place. To remove the Drape Rod Hanger Post, turn the lock counterclockwise.

3.2.2 Traction Arc Attachments

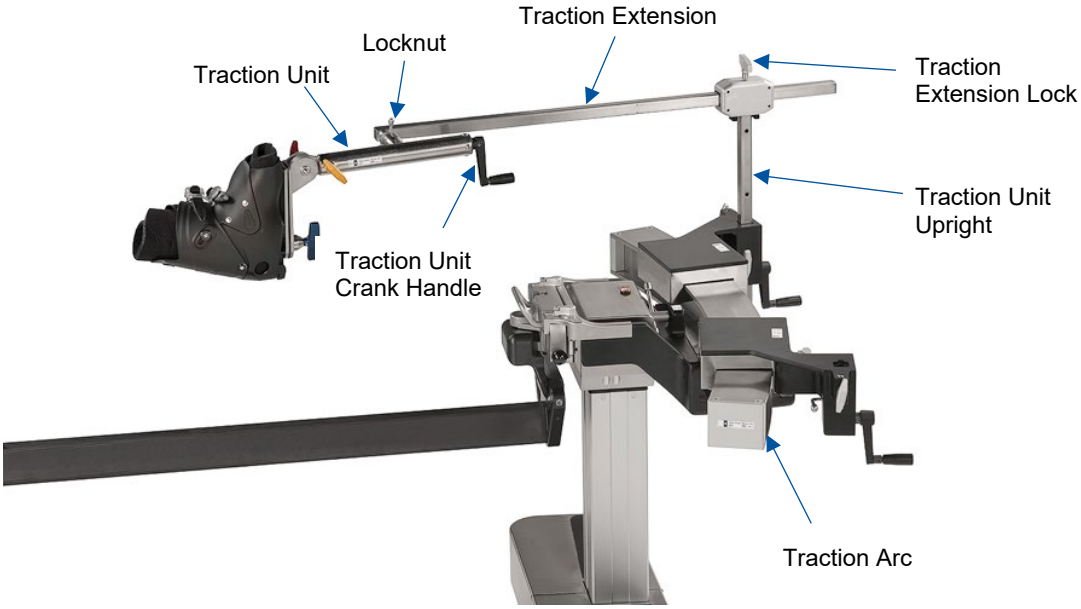


Figure 4: Trios® Traction Arc Attachments

The Traction Unit Uprights secure into the Left and Right Tractors on the Trios® Traction Arc. They support the Traction Extension. Secure the Traction Extension by turning the Traction Extension Lock on the Traction Unit Upright clockwise.

The Traction Extension comes in two sizes: short and long. The recommended size for each setup is provided in Section 7.

Gross traction adjustments can be made by adjusting the position of the Traction Extension:

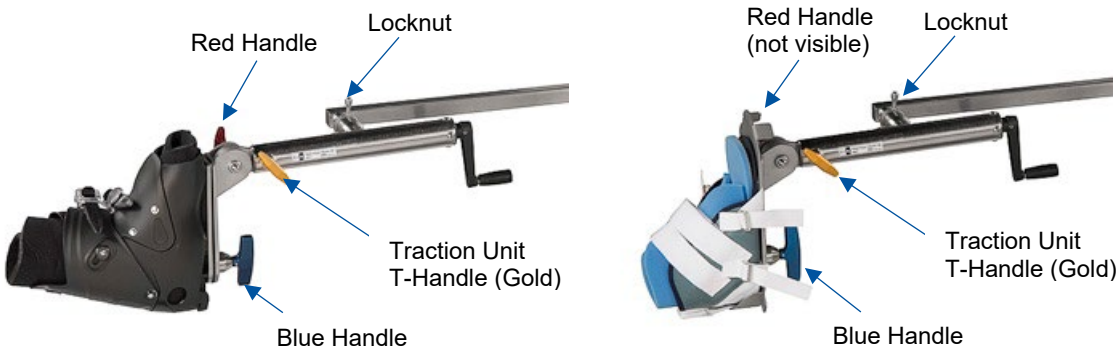
1. Rotate the Traction Extension Lock counterclockwise to loosen the Traction Extension
2. Reposition the Traction Extension to provide the desired level of gross traction.
3. Rotate the Traction Extension Lock clockwise to lock the Traction Extension in place.

The Traction Unit secures into the Traction Extension and supports various components for either skin or skeletal traction.

To attach the Traction Unit and make fine traction adjustments:

1. Position the Traction Unit relative to the Traction Extension, as desired.
2. Secure the Traction Unit in place by rotating the locknut on the Traction Extension clockwise.
3. Fine traction adjustments can be made using the Traction Unit Crank Handle.
   a. Rotate the Crank Handle clockwise to add traction.
   b. Rotate the Crank Handle counterclockwise to remove traction.

3.2.3 Skin Traction Options



Traction Boot **Soft Traction Boot**

Figure 5: Skin Traction Options

Skin traction may be facilitated by securing either Traction Boots or Soft Traction Boots with a Traction Foot Plate to the Traction Unit.

To secure and adjust Traction Boots or Soft Traction Boots:

1. Rotate the Gold T-Handle on the Traction Unit clockwise to secure the boot.
2. To adjust the boot angle relative to the Traction Unit:
   a. Rotate the Red Handle counterclockwise to loosen.
   b. Manually adjust the boot angle relative to the Traction Unit.
   c. Rotate the Red Handle clockwise to secure the boot in its new position.
3. To adjust the internal/external rotation of the boot:
   a. Rotate the Blue Handle counterclockwise to loosen.
   b. Manually adjust the internal/external rotation of the boot.
   c. Rotate the Blue Handle clockwise to secure the boot in its new position.

Traction Boots and Soft Traction Boots are provided in two sizes: small and large. The choice of Traction Boots or Soft Traction Boots is at the discretion of the surgeon.

NOTE: *Extra-large Traction Boots are also available as an optional accessory. See Section 9 for more information.*

Refer to the following size chart to select the appropriate Traction Boot. Adjust the amount of padding as needed for the size of the patient's foot.

Men's Shoe Size Comparison Chart																
	Small Traction Boot					Large Traction Boot						Extra-Large Traction Boot				
UK	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12
US	5½	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	13	14
Eur.	37½	38	38½	39	40	40½	41	42	42½	43	44	44½	45	46	46½	47
Jpn.	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	28.5	29	29.5	30	31	32

NOTE: *The size chart does not apply to the Soft Traction Boots.*

3.2.4 Skeletal Traction Options



90 Degree Pin and Wire Holder

Kirschner Bow Holder

Figure 6: Skeletal Traction Options

For procedures requiring skeletal traction, the Traction Unit can support either a Kirschner Bow Holder or a 90 Degree Pin and Wire Holder. Rotate the Gold T-Handle on the Traction Unit clockwise to secure the Kirschner Bow Holder or 90 Degree Pin and Wire Holder in place. Both options come standard with the table top. The choice of Kirschner Bow Holder or 90 Degree Pin and Wire Holder is at the discretion of the surgeon.

3.2.5 Trios® Traction Arc Cart

The Trios® Orthopedic Traction Arc Cart houses the Trios® Traction Arc and other traction accessories (Traction Unit Uprights, Traction Extensions, and Traction Units) when not in use. The Cart also supports the weight of the Trios® Traction Arc when attaching it to the Foot-End Column of the Trios® Table Base. See Section 6.3 for more information on attaching the Trios® Traction Arc to the Trios® Table Base.



Figure 7: Trios® Traction Arc Cart, Front and Back (Empty)



Figure 8: Trios® Traction Arc Cart, Front and Back (Loaded)

3.3 Perineal Posts and Support Boards

3.3.1 Pelvic Support Boards



G.M. Boards

Center Support Board

Figure 9: Pelvic Support Board Options

The Trios® Orthopedic Trauma Top comes with two pelvic support board options. The Center Support Board can be used when the patient is in either the supine or lateral decubitus position. The Left and Right G.M., or Gluteus Maximus, Boards are designed for use when the patient is in the supine position. The G.M. Boards offer an improved design, narrowing distally to optimize access and enhance radiolucency when the patient is in the supine position.

To install the Left and Right G.M. Boards:

1. Rotate the Slide Locking Knob counterclockwise on the Left and Right G.M. Boards to loosen.
2. Slide the G.M. Boards onto the rail at the Foot End of the Trios® Orthopedic Table Top. Slide the Right G.M. Board onto the right side of the table. Slide the Left G.M. Board onto the left side of the table (Figure 10).



Figure 10: Sliding the G.M. Board on the Table Top Rail

3. Position the G.M. Boards so that the notch aligns with the Perineal Post attachment hole on the Table Spar (Figure 11).



Figure 11: G.M. Board Notch Properly Aligned

4. Rotate the Slide Locking Knob on the Left and Right G.M. Boards clockwise to secure them in place (Figure 12).

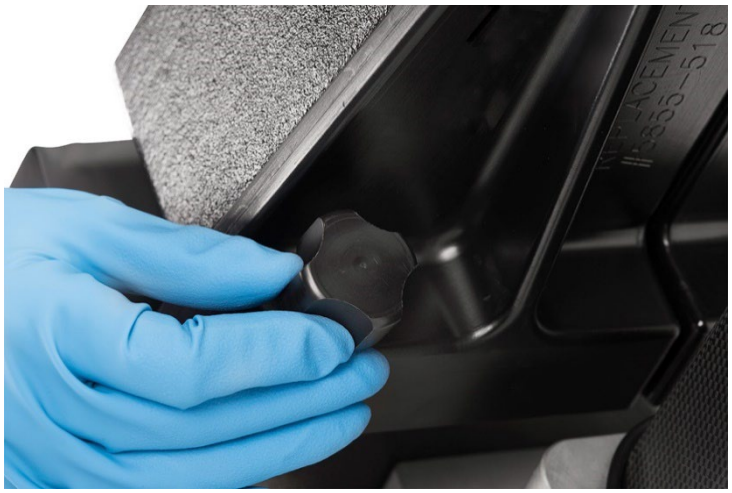


Figure 12: Locking the Slide Locking Knob on the G.M. Board

To install the Center Support Board:

1. Rotate the Slide Locking Knob on the Center Support Board counterclockwise to loosen.
2. Slide the Center Support Board onto the rail at the Foot End of the Trios® Orthopedic Table Top (Figure 13).

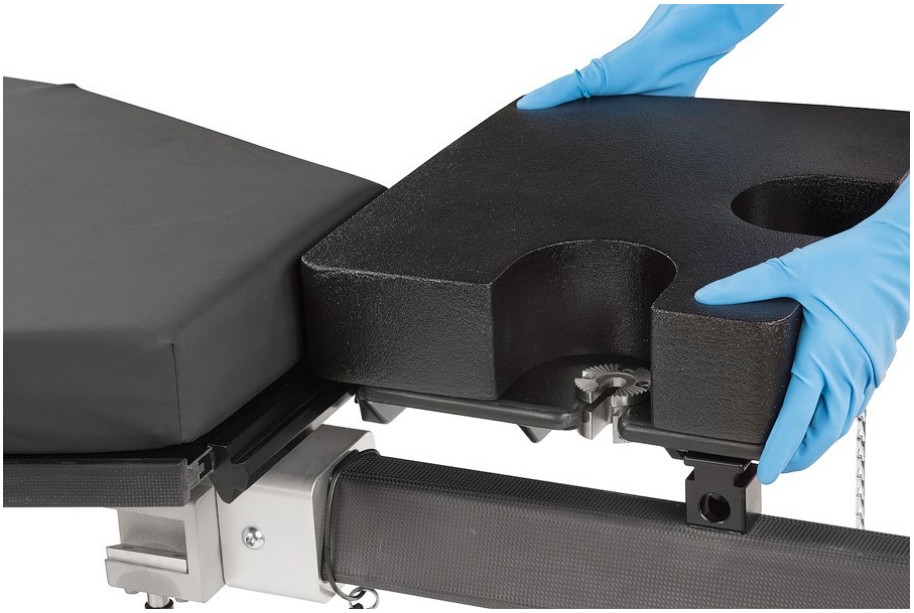


Figure 13: Sliding Center Support Board on the Table Top Rail

3. Position the Center Support Board so that the central notch at the Foot-End aligns with the Perineal Post attachment hole on the Table Spar.
4. Rotate the Slide Locking Knob on the Center Support Board clockwise to secure in place (Figure 14).



Figure 14: Locking the Slide Locking Knob on the Center Support Board

5. If not securing a Perineal Post to the central notch at the Foot-End of the Center Support Board, place the Lateral Board Plug into the Perineal Post attachment hole on the Table Spar (Figure 15). This secures the Center Support Board in place at the distal end.

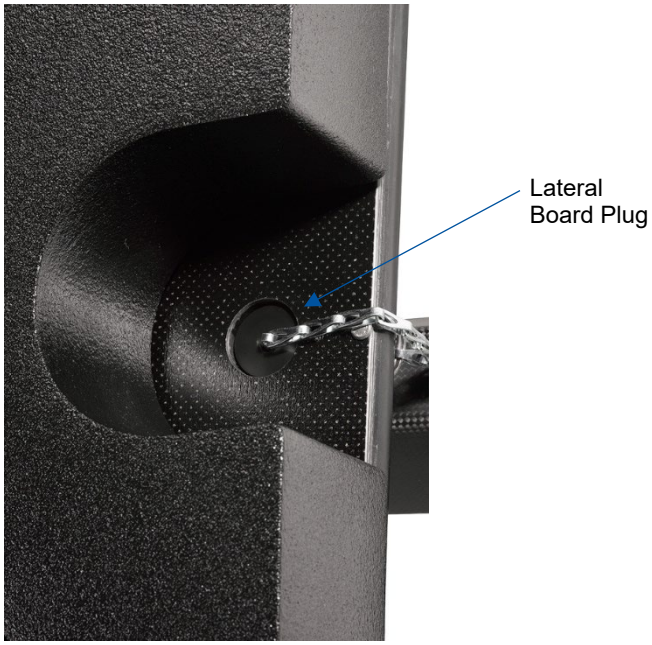


Figure 15: Center Support Board with Plug Inserted

3.3.2 Perineal Posts



Perineal Post | Lateral Perineal Post and Ilium Post | Tibia Counter-Traction Assembly

Figure 16: Perineal Post Options

The Trios® Orthopedic Trauma Top comes with several perineal post options designed for different patient positions. The Perineal Post is designed for use when the patient is in the supine position. It comes in adult and child sizes. The Lateral Perineal Post and Ilium Post are designed to be used together when the patient is in the lateral decubitus position. The Tibia Counter Traction Assembly is designed for use in tibial IM nailing procedures.

To install the Perineal Post:

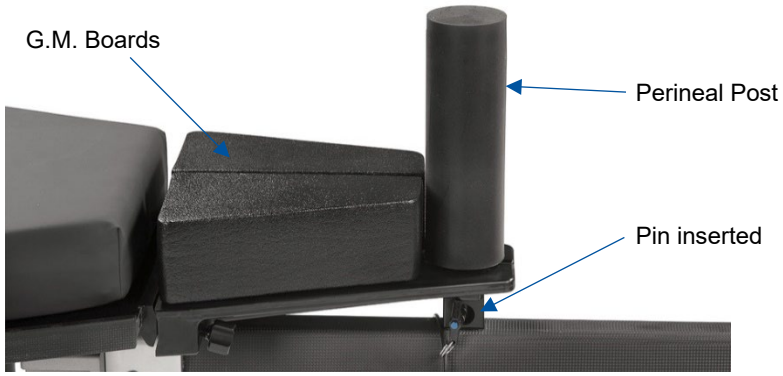


Figure 17: Perineal Post

1. Insert the Perineal Post into the slot at the Foot-End of the G.M. Boards.
2. If desired, lock into position by inserting the pin into the hole at the base of the Perineal Post. This prevents removal and rotation of the Perineal Post.

To install the Lateral Perineal Post:

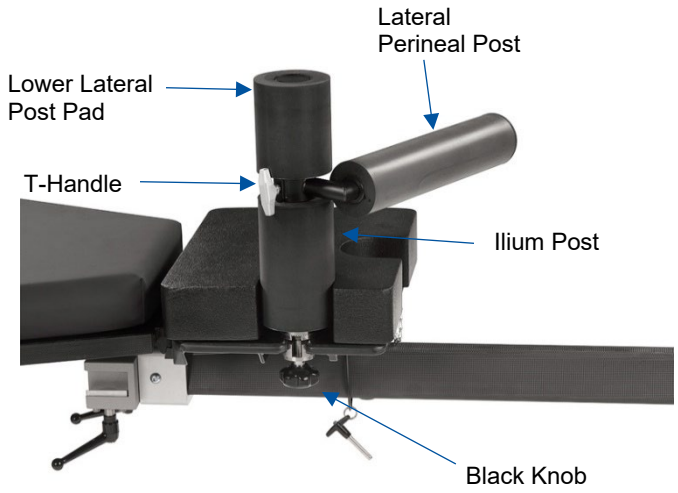


Figure 18: Lateral Perineal Post

1. Rotate the black knob on the Ilium Post counterclockwise to loosen.
2. Slide the Ilium Post in place on the side notch of the Center Support Board on the patient's anterior side.
3. To attach the Lateral Perineal Post to the Ilium Post:
   a. Remove the Lower Lateral Post Pad from the top of the Ilium Post.
   b. Slide the Lateral Perineal Post on the Ilium Post and position it. Typically, the position should be 30° from the transverse plane toward the Foot-End. Final positioning is at the discretion of the surgeon.
   c. Rotate the T-Handle on the Lateral Perineal Post clockwise to secure in place.
   d. Reattach the Lower Lateral Post Pad to the top of the Ilium Post.
4. Rotate the black knob on the Ilium Post clockwise to secure in place.

To install the Tibia Counter-Traction Assembly:

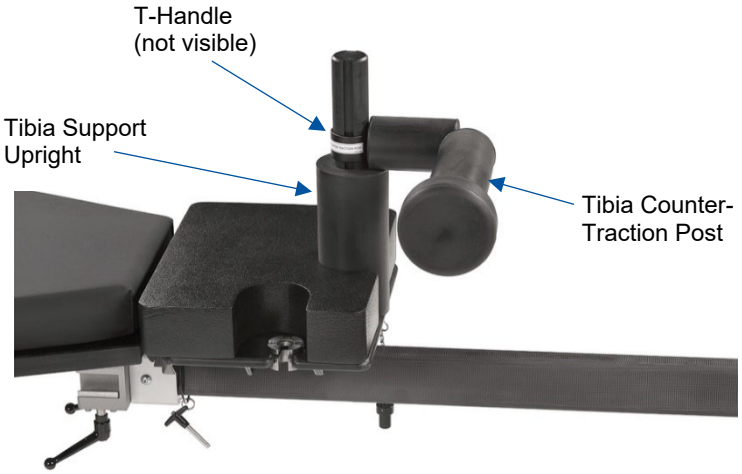


Figure 19: Tibia Counter-Traction Post

1. Remove the pad on the Tibia Support Upright.
2. Insert the Tibia Support Upright into the center notch on the Center Support Board.
3. Replace the pad on the Tibia Support Upright.
4. Attach the Tibia Counter-Traction Post to the Tibia Support Upright on the operative side.
5. Rotate the T-Handle clockwise to secure the Tibia Counter-Traction Post in position.

3.4 Leg Support Options

The Trios® Orthopedic Trauma Top provides several options for securing and supporting the patient's legs when in the supine and lateral decubitus positions.

For prolonged surgical procedures with patients in the lithotomy position, consider using the Radiolucent Auxiliary Leg Spar as an alternative.

3.4.1 Radiolucent Auxiliary Leg Spar

The Radiolucent Auxiliary Leg Spar may be secured to the Trios® Orthopedic Trauma Top to allow for attachment of traction accessories and other leg support components for the non-operative leg when the patient is in the supine position.

To attach the Radiolucent Auxiliary Leg Spar:

1. Slide the dovetail joint at the Head-End of the Radiolucent Auxiliary Leg Spar into the Spar Mounting Slot at the Head-End of the Trios® Orthopedic Table Spar (Figure 20).

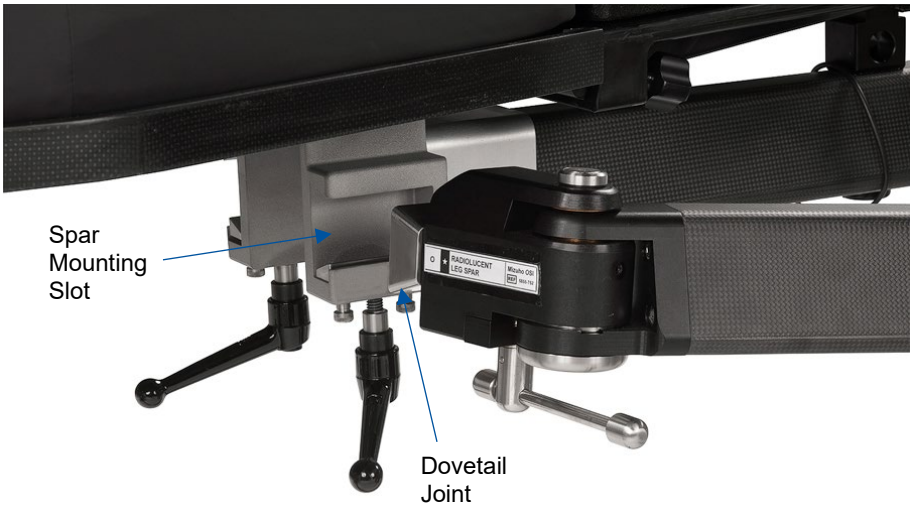


Figure 20: Installing Radiolucent Auxiliary Leg Spar into Spar Mounting Slot

2. Rotate the handle on the Trios® Orthopedic Table Spar to secure the Radiolucent Auxiliary Leg Spar to the table top (Figure 21).

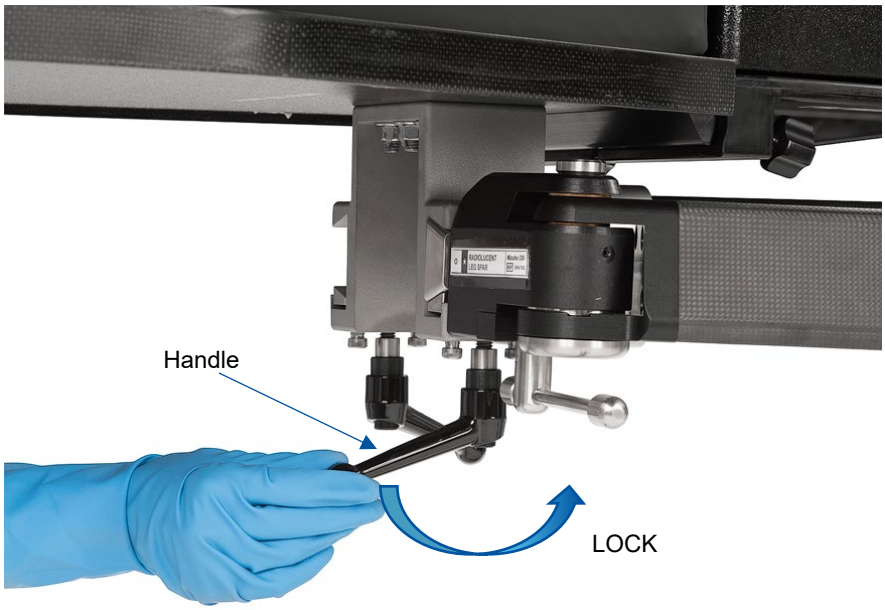


Figure 21: Securing Radiolucent Auxiliary Leg Spar to Table Top

3. Adjust the position of the Radiolucent Auxiliary Leg Spar to the desired angle.
4. Rotate the Spar Handle at the Head-End of the Radiolucent Auxiliary Leg Spar to secure it in place (Figure 22).

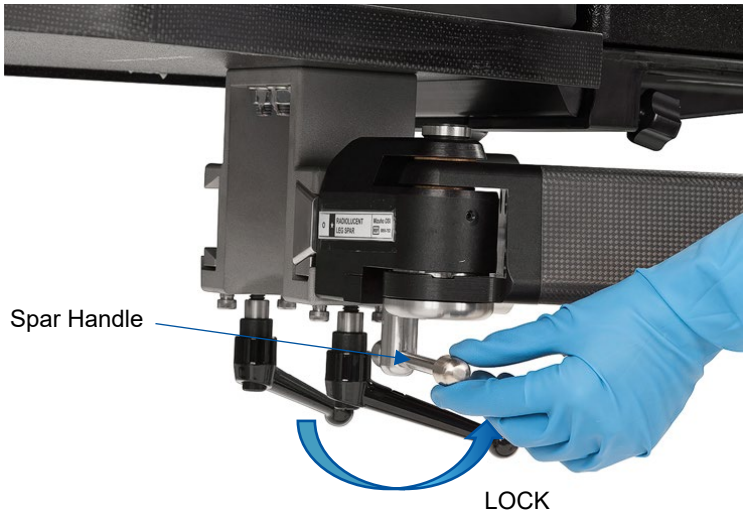


Figure 22: Securing the Radiolucent Auxiliary Leg Spar at the desired angle using Spar Handle

To attach and adjust traction accessories to the Radiolucent Auxiliary Leg Spar:

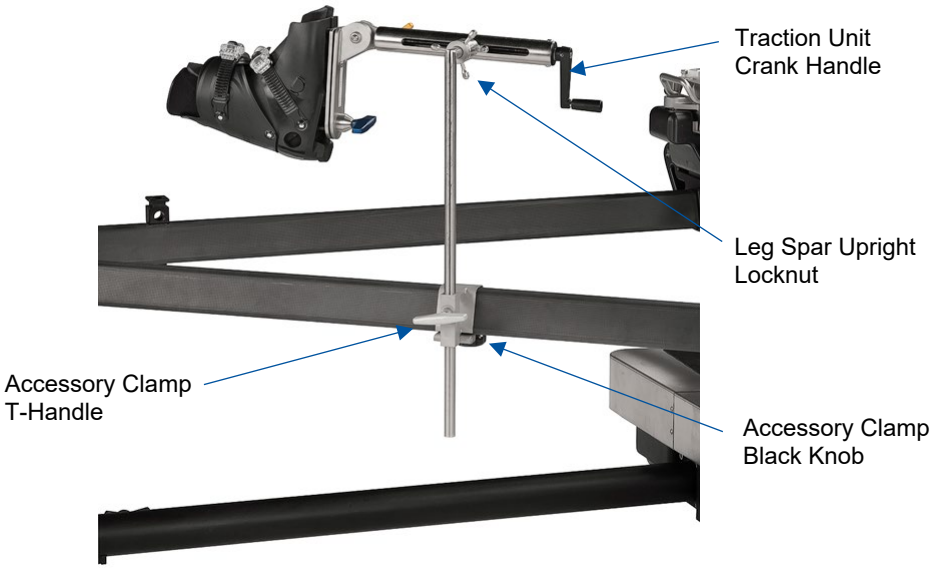


Figure 23: Radiolucent Auxiliary Leg Spar and Traction Accessories

1. Slide the Accessory Clamp on the Radiolucent Auxiliary Leg Spar with the black knob facing down and on the inside of the Leg Spar.
2. Rotate the black knob clockwise to secure the clamp in place.
3. Attach the Leg Spar Upright and secure by rotating the T-Handle on the clamp clockwise.
4. Attach the Traction Unit to the upper part of the Leg Spar Upright and secure by rotating the locknut clockwise.
5. Secure and adjust the Traction Boot or Soft Traction Boot as described in Section 3.2.3.
6. To make gross traction adjustments, reposition the Leg Spar Upright:
   a. Rotate the black knob on the Accessory Clamp counterclockwise to loosen.
   b. Reposition the Leg Spar Upright along the Radiolucent Auxiliary Leg Spar.
   c. Rotate the black knob on the Accessory Clamp clockwise to secure the Leg Spar Upright.
7. To make fine traction adjustments:
   a. Rotate the Crank Handle on the Traction Unit clockwise to add traction.
   b. Rotate the Crank Handle on the Traction Unit counterclockwise to remove traction.

To attach and adjust the Tibia Well Leg Support:

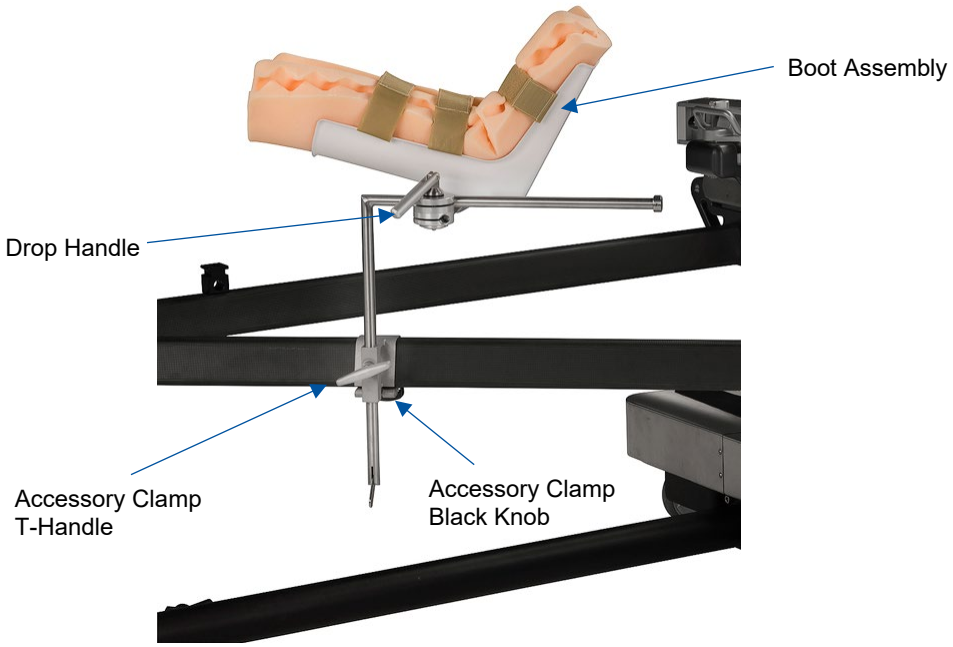


Figure 24: Radiolucent Auxiliary Leg Spar and Tibia Well Leg Support

1. Slide the Accessory Clamp on the Radiolucent Auxiliary Leg Spar with the black knob facing down and on the inside of the Leg Spar.
2. Rotate the black knob clockwise to secure the clamp in place.
3. Attach the Tibia Well Leg Support and secure by rotating the T-Handle on the clamp clockwise.
4. To adjust the angle of the Boot Assembly:
    a. Rotate the drop handle just underneath the Boot Assembly counterclockwise to loosen the ball joint.
    b. Reposition the Boot Assembly to the desired angle.
    c. Rotate the drop handle clockwise to secure the Boot Assembly in place.

3.4.2 Well Leg Support Assembly

The Well Leg Support Assembly is another option available for supporting the non-operative leg when the patient is in a supine position. It is composed of the Well Leg Support Swing Arm and the Well Leg Support.

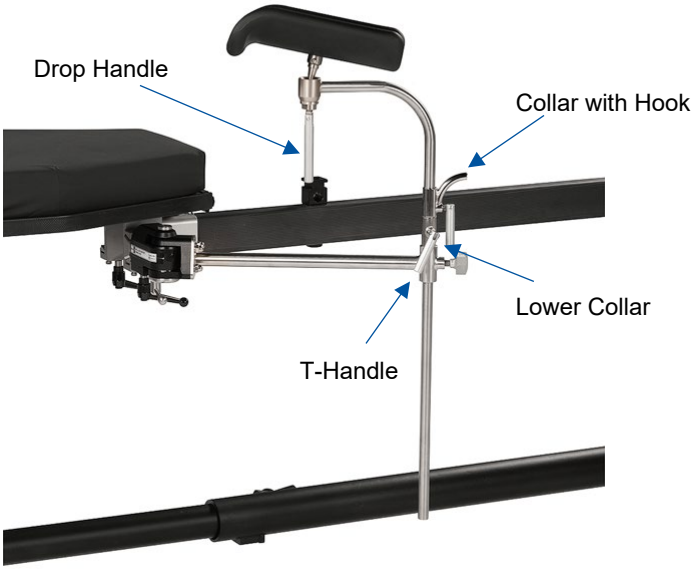


Figure 25: Well Leg Support Assembly

To attach and adjust the Well Leg Support Assembly:

1. Slide the dovetail joint of the Well Leg Support Swing Arm into the Spar Mounting Slot at the Head-End of the Trios® Orthopedic Table Spar (Figure 26).

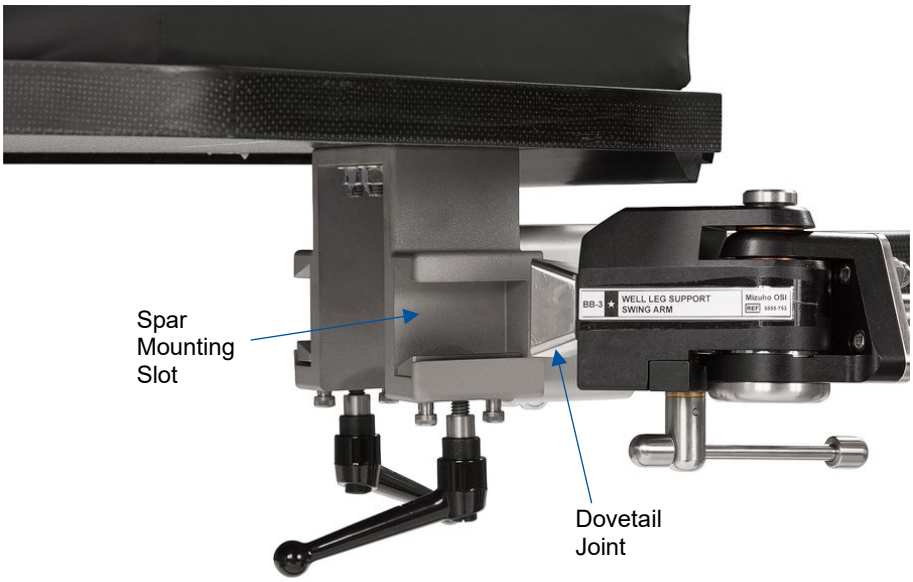


Figure 26: Installing Well Leg Support Swing Arm into Spar Mounting Slot

2. Rotate the handle on the Trios® Orthopedic Table Spar to secure the Well Leg Support Swing Arm to the table top (Figure 27).

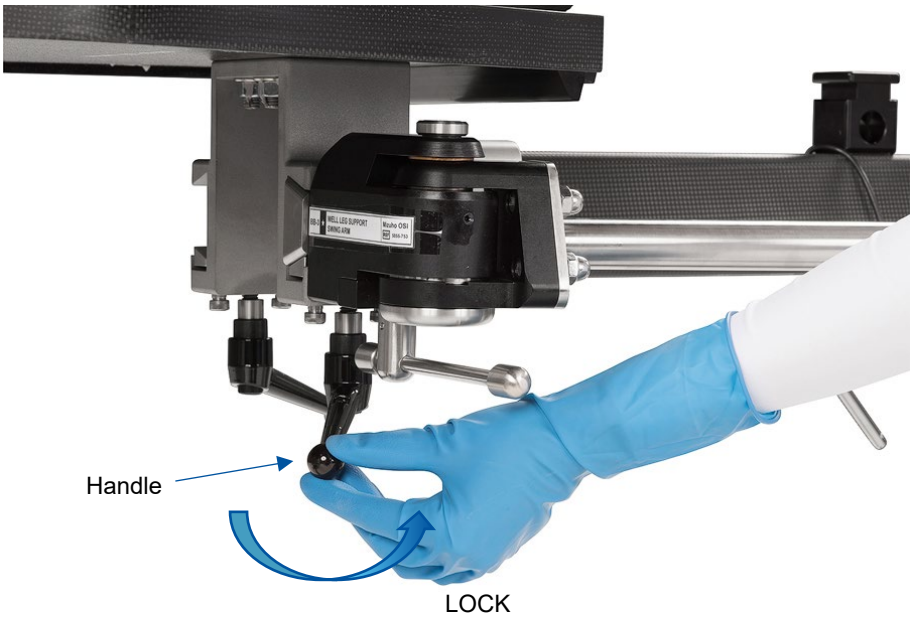


Figure 27: Securing Well Leg Support Swing Arm to Table

3. Adjust the position of the Well Leg Support Swing Arm to the desired angle.
4. Rotate the Spar Handle at the Head-End of the Well Leg Support Swing Arm to secure it in place (Figure 28).



Figure 28: Locking Position of Well Leg Support Swing Arm

5. Attach the Well Leg Support to the Well Leg Support Swing Arm and secure in place by rotating the T-Handle at the Foot-End of the Swing Arm clockwise.

NOTE: *Use this T-Handle to make any height adjustments to the Well Leg Support.*

The Well Leg Support provides the following adjustment options:

- **Adjust the Well Leg Support Pad angle**: Rotate the drop handle under the Leg Pad counterclockwise to loosen the ball joint under the Leg Pad, adjust the angle of the Well Leg Support Pad, and then rotate the drop handle clockwise to lock in place.
- **Adjust the hook orientation**: Rotate the drop handle on the collar with the hook counterclockwise to loosen, adjust the height and orientation of the hook and collar, and then rotate the drop handle clockwise to lock in place. The hook provides a second anchor for wraps used to secure the patient's leg.
- **Adjust the lower collar position**: Rotate the drop handle on the lower collar counterclockwise to loosen, adjust the height of the collar, and then rotate the drop handle clockwise to lock in place. This acts as a secondary height positioner for the Well Leg Support.

3.4.3 Lateral Decubitus Leg Support Options

When the patient is in the lateral decubitus position, the operative leg may be supported by the Lower Leg Support Assembly and the non-operative leg may be supported by the Leg Board Assembly.

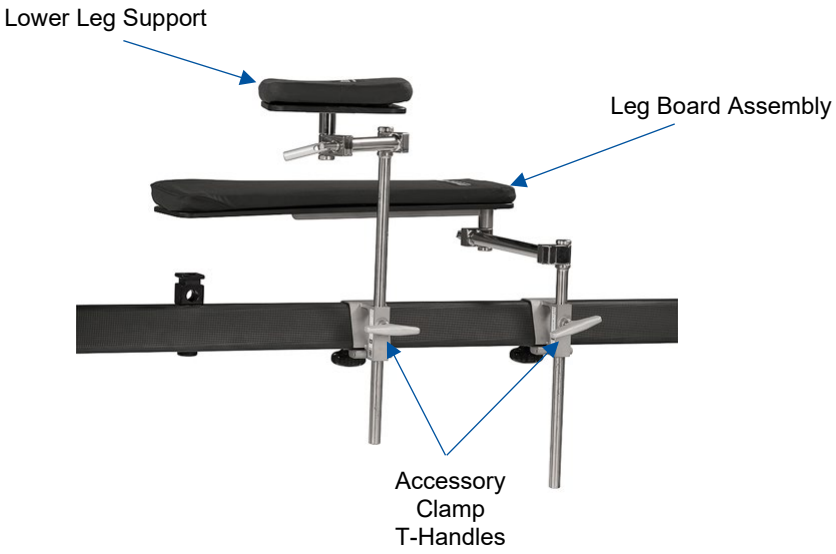


Figure 29: Lower Leg Support and Leg Board Assemblies

To attach the Lower Leg Support Assembly:

1. Slide the Accessory Clamp on the Trios® Orthopedic Table Spar with the black knob facing down and the receivers on the non-operative side of the table.
2. Rotate the black knob clockwise to secure the clamp in place.
3. Attach the Lower Leg Support Assembly to the clamp
4. Rotate the T-Handle on the clamp clockwise to secure the Leg Support Assembly in place.

To attach the Leg Board Assembly:

1. Slide the Accessory Clamp on the Trios® Orthopedic Table Spar with the black knob facing down and the receivers on the non-operative side of the table.
2. Rotate the black knob clockwise to secure the clamp in place.
3. Attach the Leg Board Assembly to the clamp.
4. Rotate the T-Handle on the clamp clockwise to secure the Leg Board Assembly in place.

3.5 Patient Transfer Board

The Patient Transfer Board is designed to provide a large flat surface to aid in transferring a patient to and from the Trios® Orthopedic Trauma Top.

⚠ CAUTION: The Patient Transfer Board is not intended to work as a surgical platform. It should be removed prior to surgery to avoid interference with operation of leg support components and other equipment used during the surgery.

To install the Patient Transfer Board:

1. Position the Patient Transfer Board over the Trios® Orthopedic Table Spar towards the Foot-End of the table top. Make sure the Channel Assembly is facing the Foot-End of the table.
2. Slide the Transfer Board Pegs in the attachment holes on the Foot-End of the Trios® Orthopedic Table Top until the Drop Lever clears the opening (Figure 30).

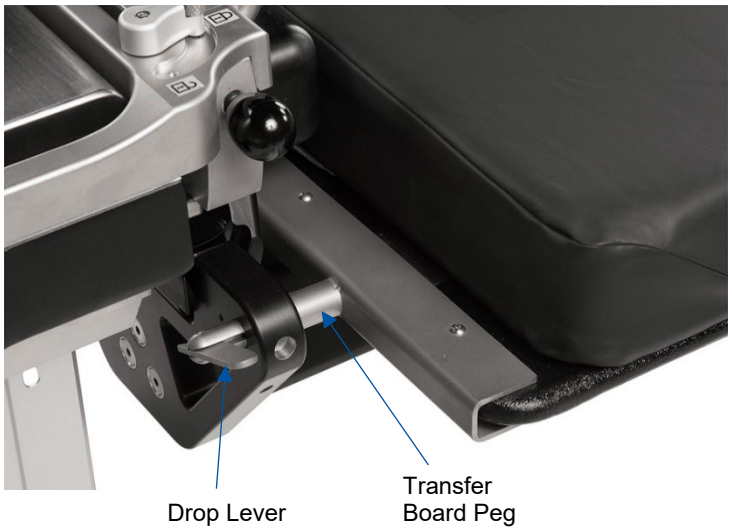


Figure 30: Transfer Board Peg Inserted through Foot-End of Table Top

3. Secure the Board to the Trios® Orthopedic Table Spar with the locking strap (Figure 31).



Figure 31: Securing the Locking Strap

3.6 Universal Side Rail Adapter

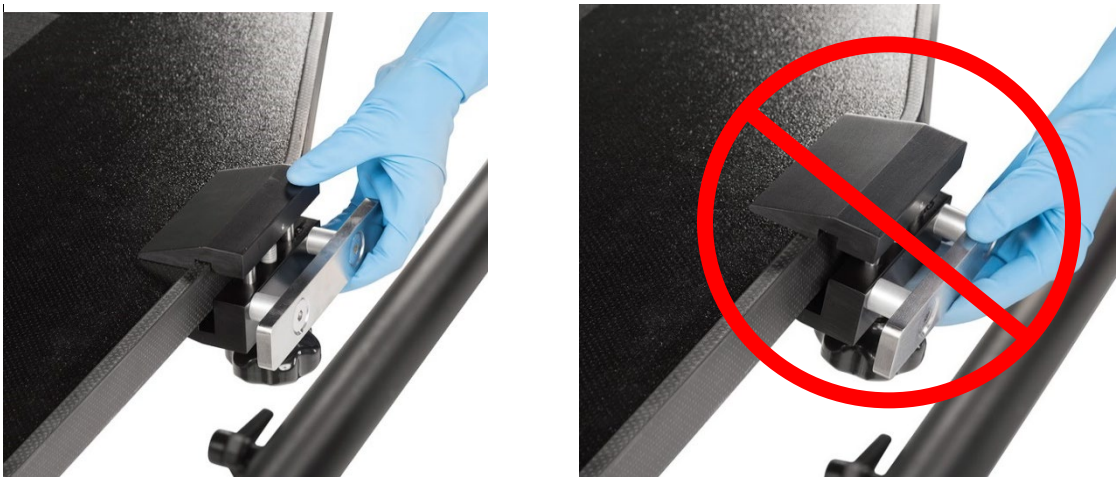
The Universal Side Rail Adapter (REF 6977-959) protects the carbon fiber rail of the table from damage and should always be used when mounting accessories. The Adapter provides 6 inches (15.2 cm) of side rail for mounting various accessories, such as Arm Boards, Clark Sockets, and Lateral Positioners.

NOTE: *Use of other manufacturers' side rail adapters on the carbon fiber rail may cause damage to the table top and will void your warranty.*

WARNING: Failure to use the Universal Side Rail Adapter when mounting any accessory may result in damage to the table top, injury to the patient, or harm to the healthcare professional.

Use the following steps to install the Universal Side Rail Adapter to the table top:

1. Open the clamp by rotating the black knob counterclockwise,
2. Place the Adapter in the desired position, with the black knob facing down. Ensure that the notch on the Adapter is fully seated on the table rail (Figure 32).



Adapter Correctly Seated on Rail | Adapter Incorrectly Seated on Rail

Figure 32: Universal Side Rail Adapter Attached to the Trios® Orthopedic Trauma Top

3. Rotate the black knob clockwise to tighten the clamp.

NOTE: *A Long Universal Side Rail Adapter is available as an option, providing 18 inches (45.7 cm) of side rail for mounting multiple accessories. See Section 9 for more information.*

3.7 Model Number and Serial Number

The manufacturer's label is located on the outside edge near the Mounting Hooks on the table top. It contains the REF product number and SN serial number.

4 Inspection

4.1 Acceptance and Transfer

1. Upon receipt of your Trios® Orthopedic Trauma Top, remove it from the shipping crate. Remove any protective wrapping or packaging. Visually inspect all surfaces for freight damage.

NOTE: *Any freight damage must be reported to the freight carrier immediately upon delivery. It is the responsibility of the recipient to make freight damage claims.*

2. Read the model number and serial number on the manufacturer's label, located on the outside edge near the Mounting Hooks on the table top.

4.2 Pre-Procedure/Post-Procedure

Before and after each use of the Trios® Orthopedic Trauma Top, visually inspect all accessible areas and all movable parts for possible damage that may adversely affect the proper operation of the Trios® Orthopedic Trauma Top. Examine the patient restraints for any sign of wear or damage. Examine the covers of all pads for tears or other damage that might cause the pads to trap fluids or other contaminants. Damaged or defective products should not be used or processed. Contact Mizuho OSI Service for repair or replacement (see Section 11).

5 Trios® Orthopedic Trauma Top Components

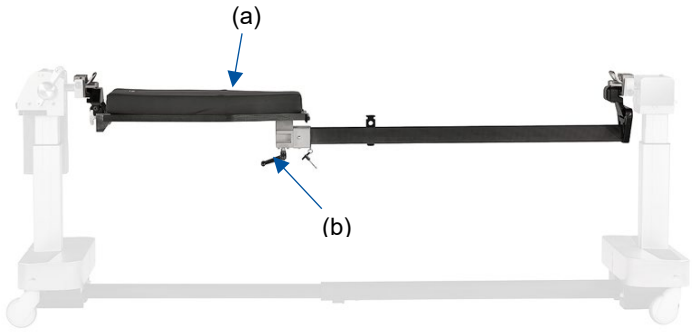
The Trios® Orthopedic Trauma Top consists of the following standard components. Use proper lifting and carrying techniques when moving components and accessories due to their weight and size.

To place an order for components, contact Mizuho OSI Sales Operations at 1-800-777-4674 within the USA or +1-510-429-1500 outside the USA. At the prompt, select Option 1.

NOTE: *If a part needs repair, contact Mizuho OSI Service (see Section 11).*

5.1 Standard Components

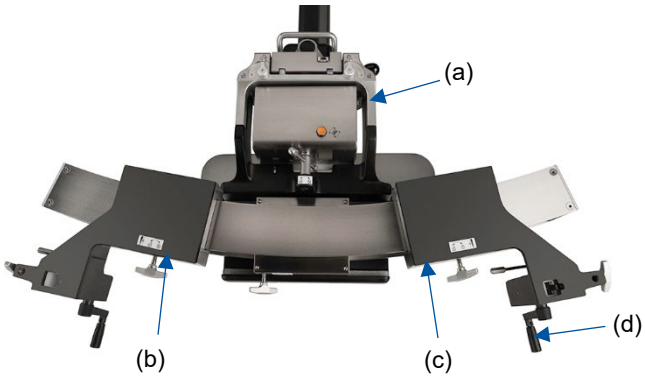
REF 7855-900 Trios® Orthopedic Table Top Assembly



The Trios® Orthopedic Table Top Assembly consists of the table top itself, complete with the 3 inch (7.6 cm) thick Tempur-Pedic® Medical Pad.

(a) REF 5855-7297 Table Pad
(b) REF 5855-915 Handle Assembly

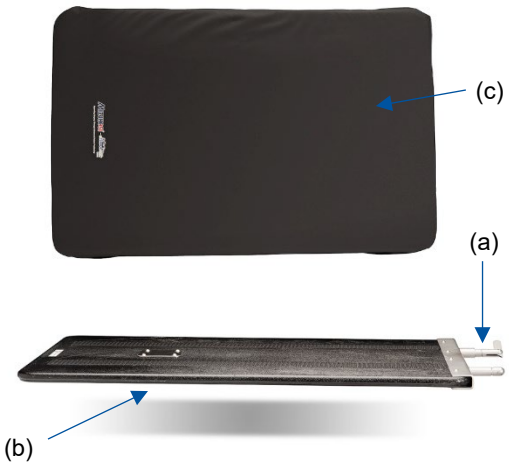
REF 7855-13 Trios® Traction Arc



The Trios® Traction Arc attaches to the Foot-End Crossbar of the Trios® Table Base, and contains the mounting and adjusting mechanisms for the traction accessories used in the various setups described in Section 7. For proper instructions on mounting the Trios® Traction Arc to the Trios® Table Base, see Section 6.3.

(a) REF 7855-765 Bridge Assembly
(b) REF 5855-429 Tractor Assembly, Right
(c) REF 5855-431 Tractor Assembly, Left
(d) REF 5855-703 Crank Handle

PTB REF **5855-911 Patient Transfer Board Assembly**



(a) REF **5855-413 Channel Assembly**
(b) REF **5855-909 Transfer Board Support Assembly (not visible)**
(c) REF **5855-7377 Transfer Board Pad Assembly**

The Patient Transfer Board Assembly attaches to the Foot-End of the table and provides additional support for the patient's legs during patient transfer. Once the patient is completely secured as described in the appropriate setup instructions, the Patient Transfer Board Assembly is removed.

The Patient Transfer Board comes with a 3-inch (7.6 cm) Tempur-Pedic® Medical Pad.

For proper instruction on mounting the Patient Transfer Board to the table top, see Section 3.5.

W REF **5855-673 Traction Unit Upright**



The Traction Unit Uprights are secured into the Left and Right Tractors on the Trios® Traction Arc. They support the Short or Long Traction Extension. Two (2) Traction Unit Uprights come standard with the Trios® Orthopedic Trauma Top.

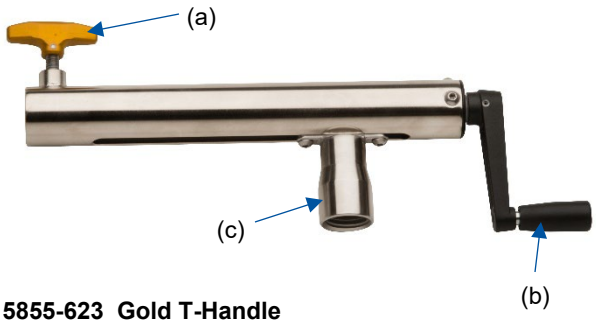
X-1 or X-2 Traction Extension



X-1 REF **5855-578 Traction Extension, Short**
X-2 REF **5855-193 Traction Extension, Long**

The Traction Extension attaches to the Traction Unit Upright secured into the Trios® Traction Arc. The table top comes with two (2) Short Traction Extensions (27 inches, or 68.6 cm, long) and one (1) Long Traction Extension (38 inches, or 96.5 cm, long). The Traction Extension supports the Traction Unit, and provides gross traction adjustment. Recommendations for use of Short or Long Traction Extension options are provided in setup instructions in Section 7.

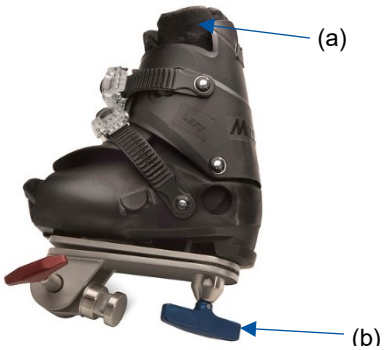
P-1 REF **5855-345 Traction Unit**



(a) REF **5855-623 Gold T-Handle**
(b) REF **5855-470 Crank Handle**
(c) REF **5855-718 Nut, Traction Screw**

The Traction Unit attaches to the Traction Extension and provides fine traction adjustment. The Traction Boot or Traction Foot Plate can be attached to the Traction Unit, depending on surgeon preference. Two (2) Traction Units come standard with the Trios® Orthopedic Trauma Top.

P-2 Traction Boot

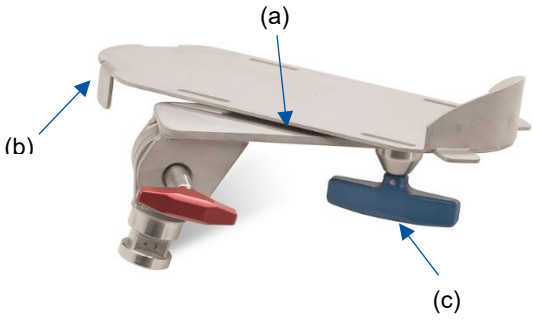


REF **5855-863 Traction Boot, Small Pair**
REF **5855-864 Traction Boot, Large Pair**
(a) REF **FE00384 Boot Liners, Small Pair**
(a) REF **FE00386 Boot Liners, Large Pair**
(b) REF **5855-441 Blue Handle**

The Traction Boot is one option available to secure the patient's foot to the Traction Unit for procedures requiring skin traction. One (1) small pair and one (1) large pair of Traction Boots come standard with the Trios® Orthopedic Trauma Top. An optional Extra-Large size is also available (see Section 9).

The standard black boot liners can be replaced. In addition, disposable boot liners are available. (See Section 5.2 for ordering information.)

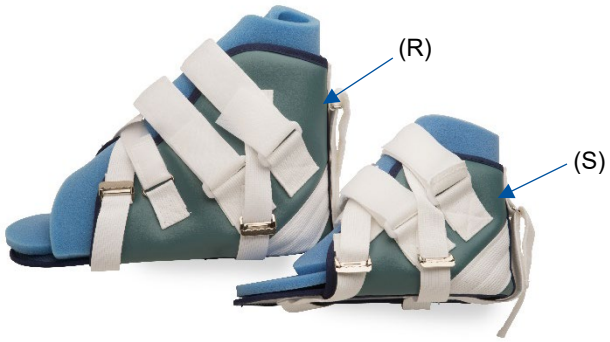
P-2 REF **5855-440 Traction Foot Plate**



(a) REF **5855-437 Rubber Friction Disk**
(b) REF **5855-477 Pivot Plate Assembly**
(c) REF **5855-441 Blue Handle**

The Traction Foot Plate, in conjunction with the Soft Traction Boot, is one option available to secure the patient's foot to the Traction Unit for procedures requiring traction. Two (2) Traction Foot Plates come standard with the Trios® Orthopedic Trauma Top.

R or S Soft Traction Boot

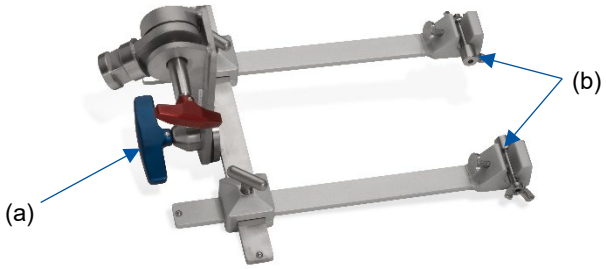


The Soft Traction Boot, in conjunction with the Traction Foot Plate, is one option available to secure the patient's foot to the Traction Unit for procedures requiring skin traction. Two (2) small and two (2) large Soft Traction Boots come standard with the Trios® Orthopedic Trauma Top.

Two (2) small and two (2) large disposable Soft Traction Boot Liners come standard with the Trios® Orthopedic Trauma Top. See Section 5.2 for reorder information.

(S) REF 5855-15 Soft Traction Boot, Small (2)
(R) REF 5855-14 Soft Traction Boot, Large (2)

T REF 5855-120 90 Degree Pin and Wire Holder

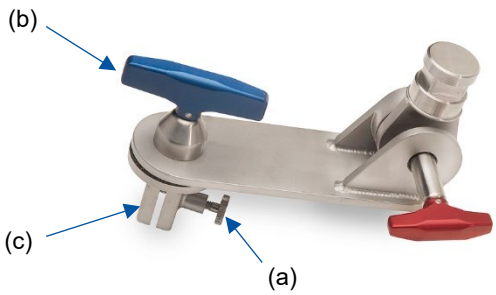


The 90 Degree Pin and Wire Holder attaches to the Traction Unit and may be used in procedures requiring skeletal traction.

The Pin Holder Shaft Assembly can be replaced.

(a) REF 5855-441 Blue Handle
(b) REF 5855-522 Pin Holder Shaft Assembly

Z REF 5862 Kirschner Bow Holder



The Kirschner Bow Holder attaches to the Traction Unit and may be used in procedures requiring skeletal traction.

The Screw Assembly can be replaced.

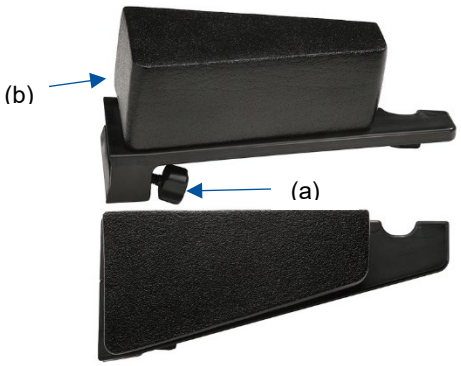
(a) REF 5862-15 Screw Assembly
(b) REF 5855-441 Blue Handle
(c) REF 5862-10 Bow Adapter

REF 7855-600 Trios® Orthopedic Traction Arc Cart



The Trios® Orthopedic Traction Arc Cart houses the Trios® Traction Arc and other traction accessories (Traction Unit Uprights, Traction Extensions, and Traction Units) when not in use. The Cart also supports the Trios® Traction Arc when attaching it to the Foot-End Column of the Table Base.

A REF 5855-518 G.M. Board, Right, with Pad and Locking Knob

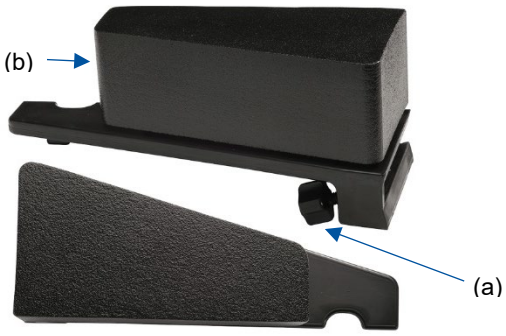


The right G.M., or Gluteus Maximus, Board attaches to the Head section of the table and, with the left G.M. Board, supports the patient's pelvis. The G.M. Boards are used in surgical procedures where the patient is in the supine position.

The pad is made of polyurethane foam that is vinyl dipped. The shape of the pad adjusts with the patient, but returns to its original shape once the patient is removed.

(a) REF 5855-281 Slide Locking Knob
(b) REF 5855-286 Pad, Right, G.M. Board

B REF 5855-519 G.M. Board, Left, with Pad and Locking Knob

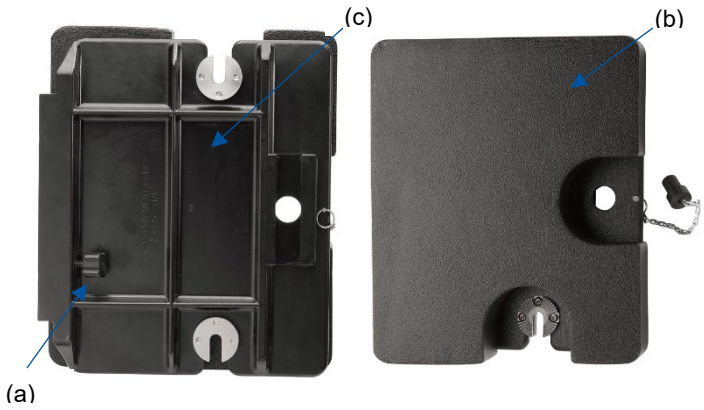


The left G.M., or Gluteus Maximus, Board attaches to the Head section of the table and, with the right G.M. Board, supports the patient's pelvis. The G.M. Boards are used in surgical procedures where the patient is in the supine position.

The pad is made of polyurethane foam that is vinyl dipped. The shape of the pad adjusts with the patient, but returns to its original shape once the patient is removed.

(a) REF 5855-281 Slide Locking Knob
(b) REF 5855-287 Pad, Left, G.M. Board

F REF **5855-319 Center Support Board with Pad**

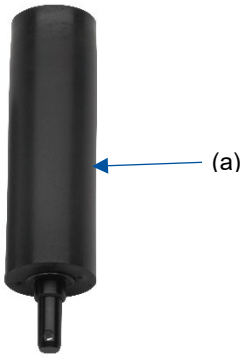


The Center Support Board attaches to the Head section of the table and supports the patient's pelvis. It is used in surgical procedures where the patient is in the supine or lateral decubitus positions.

The pad is made of polyurethane foam that is vinyl dipped. The shape of the pad adjusts with the patient, but returns to its original shape once the patient is removed.

(a) REF **5855-281 Slide Locking Knob**
(b) REF **5855-309 Lateral Pad Assembly**
(c) REF **5855-937 Center Support**

H REF **5855-925 Perineal Post, Adult, with Pad**

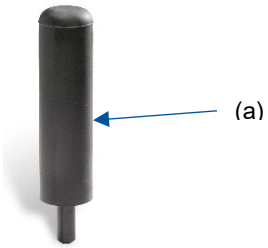


The Perineal Post, available in two sizes, provides counter-traction, while the urethane foam pad helps relieve pressure on the perineal area. The use of Child or Adult Perineal Post is at the discretion of the surgeon.

The Adult Perineal Post is 9 inches (22.8 cm) long and has a 2.75-inch (7 cm) diameter with pad.

(a) REF **5855-938 Pad, Perineal Post**

I REF **5855-271 Perineal Post, Child, with Pad**

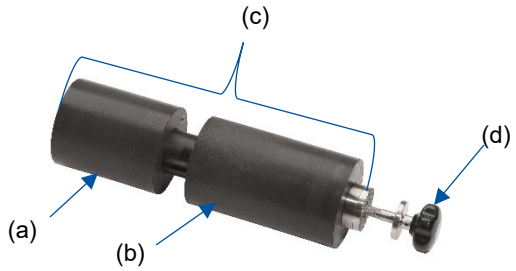


The Perineal Post, available in two sizes, provides counter-traction, while the urethane foam pad helps relieve pressure on the perineal area. The use of Child or Adult Perineal Post is at the discretion of the surgeon.

The Child Perineal Post is 7.5 inches (19 cm) long and has a 2-inch (5 cm) diameter with pad.

(a) REF **5855-268 Pad, Child, Perineal Post**

J Ilium Post Assembly

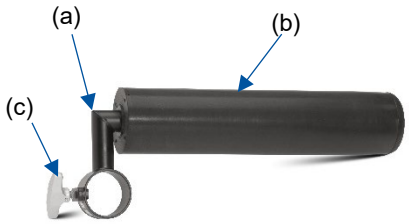


The Ilium Post Assembly attaches to the Center Support Board and supports the Lateral Perineal Post.

The pads are made of urethane foam. The counter-traction pad is seven (7) inches (17.8 cm) long and four (4) inches (10.2 cm) in diameter. The lower pad is five (5) inches (12.7 cm) long and four (4) inches (10.2 cm) in diameter.

(a) REF 5855-628 Pad, Lateral Post, Lower
(b) REF 5855-243 Pad, Counter-Traction
(c) REF 5855-242 Ilium Post
(d) REF 5855-175 Knob Assembly (replacement part)

K Lateral Perineal Post Assembly

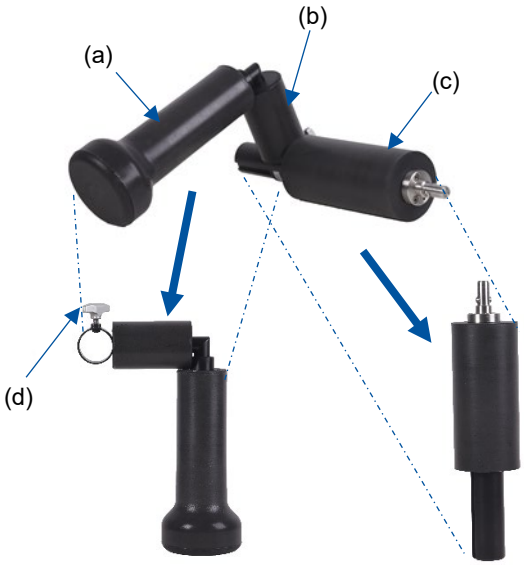


The Lateral Perineal Post Assembly attaches to the Ilium Post. It provides counter-traction when the patient is in the lateral decubitus position.

The urethane foam pad helps relieve pressure on the patient's leg. It is 14 inches (35.6 cm) long and three (3) inches (7.6 cm) in diameter.

(a) REF 5855-137 Lateral Perineal Post
(b) REF 5855-473 Pad, Lateral Extension
(c) REF 5855-469 T-Handle Assembly (replacement part)

REF 5855-136 Tibia Counter-Traction Assembly



The Tibia Counter-Traction Post Assembly attaches to the Center Support Board and supports the patient's operative leg during tibial IM nailing procedures.

The urethane foam pads help relieve pressure on the patient's leg. The Upper Lateral Post Pad is nine (9) inches (22.9 cm) long and four (4) inches (10.2 cm) in diameter. The Tibia Pad is five (5) inches (12.7 cm) long and three (3) inches (7.6 cm) in diameter. The Tibia Extension Pad is 11.5 inches (29.2 cm) long and 3 to 5 inches (7.6 to 12.7 cm) in diameter.

M Tibia Counter-Traction Post **L Tibia Support Upright**

(a) REF 5855-211 Pad, Tibia Extension
(b) REF 5855-517 Pad, Tibia
(c) REF 5855-629 Pad, Lateral Post, Upper
(d) REF 5855-469 T-Handle (replacement part)

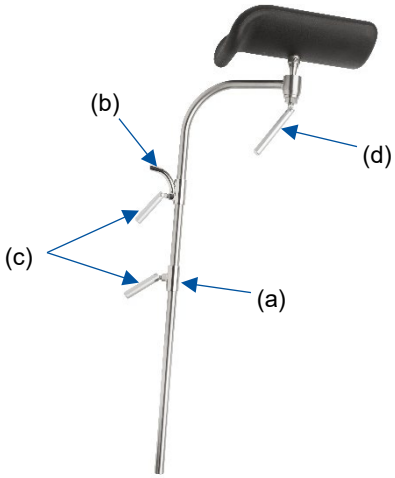
BB-3 REF **5855-753 Well Leg Support Swing Arm**



The Well Leg Support Swing Arm attaches to the table, and allows mounting of the Well Leg Support, which can be used to support the patient's non-operative leg during procedures where the patient is in the supine position.

(a) REF **5855-466 T-Handle**

BB-1 REF **5855-838 Well Leg Support**



The Well Leg Support attaches to the table through the use of the Well Leg Support Swing Arm. It can be used to support the non-operative leg when the patient is in the supine position.

(a) REF **5855-423 Collar Assembly**
(b) REF **5855-424 Collar with Hook**
(c) REF **914-416 Drop Handle Assembly**
(d) REF **5300-52 Drop Handle Assembly**

BB-2 REF **5855-930 Tibia Well Leg Support**



The Tibia Well Leg Support attaches to the Radiolucent Auxiliary Leg Spar with an Accessory Clamp. It can be used to support the non-operative leg when the patient is in the supine position.

Convoluted Foam Boots are disposable components. See Section 5.2 for ordering information.

O REF **5855-752 Radiolucent Auxiliary Leg Spar**



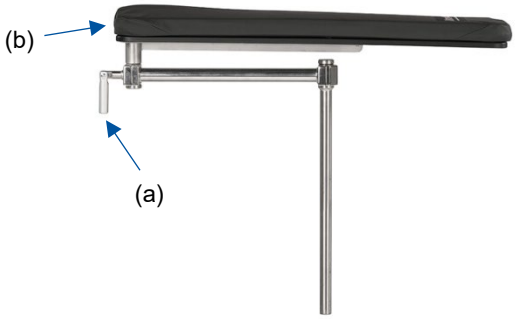
The Radiolucent Auxiliary Leg Spar may be attached to the Trios® Orthopedic Trauma Top to support traction accessories and other leg support components for the non-operative leg.

CC REF **5855-644 Leg Spar Upright**



The Leg Spar Upright attaches to the Radiolucent Auxiliary Leg Spar with an Accessory Clamp. It supports the Traction Unit and Traction Boot that secure the patient's foot on the non-operative leg.

DD REF **5855-163 Leg Board Assembly**



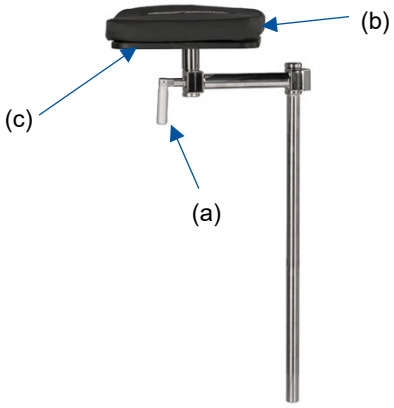
The Leg Board Assembly attaches to the table with an Accessory Clamp. It can be used to support the patient's non-operative leg when the patient is in the lateral decubitus position.

When in place, the Leg Board can be translated, raised, lowered, and laterally adjusted depending on the positioning needs of the patient.

The Leg Board Pad is a 1-inch Tempur-Pedic® Medical Pad.

(a) REF **5855-798 Draw Rod Assembly, Long**
(b) REF **5855-7367 Leg Board Pad Assembly**

EE REF **5855-76 Lower Leg Support Assembly**



The Lower Leg Support Assembly attaches to the table with an Accessory Clamp. It can be used to support the patient's operative leg when the patient is in the lateral decubitus position.

Once attached, the Lower Leg Support can be translated, raised, lowered, and laterally adjusted, depending on the positioning needs of the patient.

The Lower Leg Support Pad is a 1-inch Tempur-Pedic® Medical Pad.

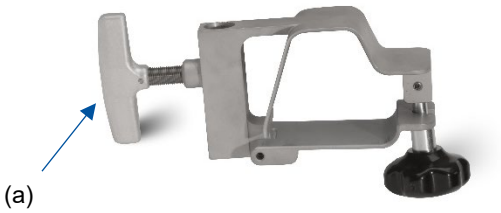
(a) REF **5855-802 Draw Rod Assembly**
(b) REF **5855-7357 Pad Assembly**
(c) REF **5855-77 Leg Support Plate**

Y REF **5855-411 Tibia Traction Upright**



The Tibia Traction Upright attaches to the Trios® Orthopedic Table Spar near the Foot-End and supports the Traction Unit. It is used during IM Tibia Nailing procedures.

AA REF **5855-61 Accessory Clamp**

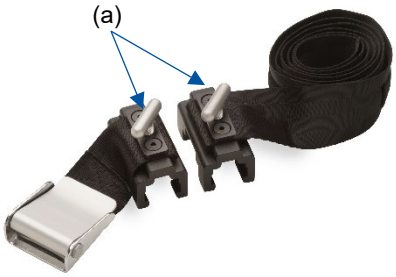


(a) REF **5855-466 T-Handle**

The Accessory Clamp attaches to the Radiolucent Auxiliary Leg Spar and to the Trios® Orthopedic Table Spar, allowing various accessories and components to be mounted.

Three (3) Accessory Clamps come standard with the Trios® Orthopedic Trauma Top.

FF REF **5855-550 Patient Safety Strap**

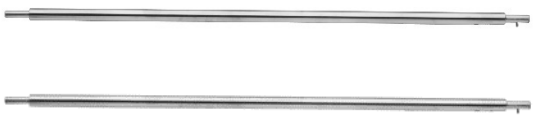


(a) REF **5278-3 T-Handle (2)**

The Patient Safety Strap is used to secure the patient in place when positioned on the table. The straps attach directly to the carbon fiber rails on the Trios® Orthopedic Trauma Top.

Two (2) sets of Patient Safety Straps come standard with the Trios® Orthopedic Trauma Top.

GG Patient Isolation Drape Hanger Posts



(a) REF **5855-617 Foot-End Drape Hanger Post (Short)**
(b) REF **5855-615 Head-End Drape Hanger Post (Long)**

The Patient Isolation Drape Hanger Posts support the Patient Isolation Drape Rod Assembly.

HH REF **5855-612 Patient Isolation Drape Rod Assembly (2)**



The Patient Isolation Drape Rod Assembly supports the Patient Isolation Drapes.

Two (2) Rod Assemblies come standard with the Trios® Orthopedic Trauma Top.

A set of three (3) Patient Isolation Drapes come standard with the Trios® Orthopedic Trauma Top. See Section 5.2 for reorder information.

XX REF 6977-959 Universal Side Rail Adapter



The Universal Side Rail Adapter attaches to the carbon fiber rails of the Trios® Orthopedic Trauma Top. It provides 6 inches (15.2 cm) of side rail for mounting various accessories.

Two (2) Adapters come standard with the Trios® Orthopedic Trauma Top.

REF 7803-320 Trios® Table System Cover

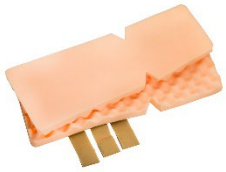
The Trios® Table System Cover serves as a dust cover when it is in storage.

5.2 Disposable Components

To place an order for disposable components, contact Mizuho OSI Sales Operations at 1-800-777-4674 within the USA or +1-510-429-1500 outside the USA. At the prompt, select Option 1.

WARNING:Disposable components are single use only. Discard after use. Re-use of any disposable component may result in cross contamination.

Refer to the following table when ordering any disposable components for the Trios® Orthopedic Trauma Top:

REF **5855-18 Soft Traction Boot Liners, Small** (24 per case) 	REF **5855-17 Soft Traction Boot Liners, Large** (24 per case) 	REF **5937DZ Disposable Boot Liners** (12 per case) – good for all sizes of Traction Boots 
REF **5052-3 Alp Straps and Pair of Foom Boots** – for Tibia Well Leg Support 	REF **6855-13 Perineal Post Cover, Blue Foam** (12 per case) 	REF **5823-10 Foam Arm Cradles** (6 pairs per case) 
REF **5932 NervPro™ System, Ulnar Protective Pads** (6 per case) 	REF **1901-12 Convoluted Foam Pads** (12 pairs per case) 	REF **370 Convoluted Foam Padding** (6" x 24" x 2") 
REF **1902-20 Supine/Lateral Head Rest** (20 per case) 	REF **1921 9" Headrest Doughnut** 	REF **1922 7" Headrest Doughnut** 
REF **5858 Patient Isolation Drape** (12 per case)		

6 Installing the Trios® Orthopedic Trauma Top on the Trios® Table Base

NOTE: *This device is intended for use by trained personnel only. Prior to installing a table top, ensure personnel have been trained. To schedule an in-service, please contact your domestic Mizuho OSI sales representative, or call 1-800-777-4674 inside the USA or +1-510-429-1500 outside the USA.*

NOTE: *Before using the Trios® Orthopedic Trauma Top, the user must have read the NW0785 Trios® Table Base Owner's Manual and have a thorough understanding of the Base's functionality.*

6.1 Preparing the Trios® Table Base for Table Top Installation

To prepare the Trios® Table Base for installation of the table top, complete the following steps:

1. With the assistance of two people, roll the Base to where it will be used, and orient the Head-End Column toward the anesthesiologist work station.
2. Plug the Power Cord of the Trios® Table Base into a properly grounded receptacle. Refer to the manufacturer's label at the Head-End of the Base for input voltage requirements. If the AC power cable is not connected to an outlet with a protective earth ground, then the external ground stud should be connected to a protective earth ground.
3. Connect the IntelliPendant® to the port on the Head-End Column.
4. Press the Power/Standby Switch to turn the table on. The ring on the Power/Standby Switch should be illuminated green.
5. If the Base has been in its retracted configuration, follow the step-by-step instructions provided by the IntelliPendant® on how to expand the Base. (Refer to the Trios® Table Base Owner's Manual for more information.)
    a. Loosen the Beam Lock by rotating the Retracting Knob counterclockwise.
    b. Continue to the next step, which allows the Base to configure Floor Locks such that those at the Head-End are unlocked while those at the Foot-End remain locked.
    c. Expand the table base.
    d. Tighten the Beam Lock by rotating the Retracting Knob clockwise.
6. Confirm the 180 Degree Rotation Lock indicator lights on the Head-End and Foot-End Columns are not illuminated (Figure 33).
7. Confirm the Level indicator light is illuminated green (Figure 33). If the indicator light is not lit, use the IntelliPendant® to bring the table to level.



Figure 33: Head-End Assembly with Level Indicator Light Illuminated

6.2 Installing the Trios® Orthopedic Trauma Top

Installing the Trios® Orthopedic Trauma Top requires two people, one to hold the table top at the Head-End, and one to hold the table top at the Foot-End. A third person may assist in visually aligning the pins on the ends of the Table Top with the slots on the Crossbars, if needed.

NOTE: *Only Mizuho OSI base(s) and accessories have been tested and approved for use with the Trios® Orthopedic Trauma Top. Other manufacturers' products have not been tested for proper performance when used with the Trios® Orthopedic Trauma Top, and therefore are not endorsed for use by Mizuho OSI. Use of other manufacturers' products may void the warranty.*

WARNING: Use of components not manufactured by Mizuho OSI may result in harm to the patient, the table top, the device, or the healthcare professional.

To install the Trios® Orthopedic Trauma Top:

1. Remove any Towers that may be attached to the Crossbars if the Trios® Table Base was previously used with a different table top.
2. Press the **Return to Level** button on the IntelliPendant® to return the table to its Home position.

3. The Head-End Column has a Slide Assembly that adjusts to accommodate Trendelenburg and reverse Trendelenburg. Fully retract the Slide Assembly to allow adequate space for a table top to be installed (Figure 34).

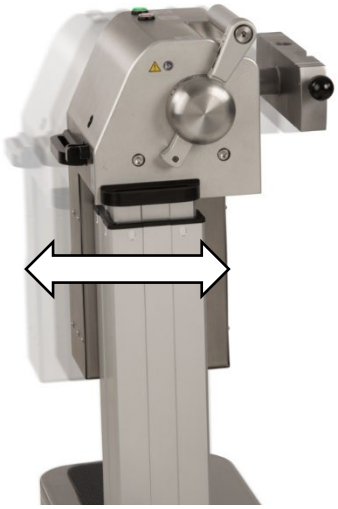


Figure 34: Movement of Slide Assembly

4. To improve visibility at the Head-End during installation, remove the Tempur-Pedic® Medical Pad from the Trios® Orthopedic Table Top.
5. With the assistance of two people, lift the Trios® Orthopedic Trauma Top just above the Crossbars at the Head-End and Foot-End of the Trios® Table Base. One person should hold the table top at the Foot-End by the handle with one hand, and support the underside of the Table Spar with the other hand (Figure 35). The second person should hold the Head-End of table top by the handle with one hand, and support the underside of the table top with the other hand (Figure 36).



Figure 35: Foot-End of Trios® Orthopedic Trauma Top



Figure 36: Head-End of Trios® Orthopedic Trauma Top

6. Carefully align the Mounting Assembly at the Head-End of the table top with the Crossbar at the Head-End of the Trios® Table Base (Figure 37) and align the Mounting Assembly at the Foot-End of the table top with the Crossbar at the Foot-End of the Trios® Table Base (Figure 38). The alignment pin on the underside of each end of the table top should align with the slot on the top of each Crossbar. A third person may assist in visually aligning the alignment pin with the slot, if needed.



Figure 37: Proper Alignment of Table Top Alignment Pin to Slot on Top of Crossbar at Head-End



Figure 38: Proper Alignment of Table Top Alignment Pin to Slot on Top of Crossbar at Foot-End

7. Lower the Foot-End of the table top so that the pin on the underside of the table top slides into the slot on the top of the Foot-End Crossbar (Figure 39).



Figure 39: Foot-End of Table Top Installed on Crossbar

8. Lower the Head-End of the table top so that the pin on the underside of the table top slides into the slot on the top of the Head-End Crossbar (Figure 40). Adjust the Head-End Column Slide Assembly as needed to connect the Head-End of the table top.



Figure 40: Head-End of Table Top Installed on Crossbar

9. Press the thumb locks on the Head-End and Foot-End of the table top to lock each end in place (Figure 41). Lift up on the handle at each end of the table top to verify that it does not move.



Thumb Lock at Foot-End

Thumb Lock at Head-End

Figure 41: Thumb Locks on Head-End and Foot-End of Table Top

WARNING: Ensure both ends of the table top are locked prior to loading a patient on the table top, readjusting the table's position, or installing the Trios® Traction Arc. Failure to do so may cause injury to the patient, the device, or the healthcare professionals.

10. Place the Tempur-Pedic® Medical Pad on the Trios® Orthopedic Table Top (Figure 42).



Figure 42: Placing Tempur-Pedic® Medical Pad on Table Top

11. The table top is now properly installed on the Trios® Table Base (Figure 43).



Figure 43: Trios® Orthopedic Trauma Top Properly Installed on the Trios® Table Base

WARNING: Do not attempt to rotate the table by unlocking the 180 Degree Rotation Lock Handle while the Trios® Orthopedic Trauma Top is attached to the Trios® Table Base. Rotating the table with the Trios® Orthopedic Trauma Top installed could result in damage to the table, possible injury to the patient, or harm to the healthcare professionals.

NOTE: *Perform all steps of the Function Check before every use of the Trios® Table Base (see the Trios® Table Base Owner's Manual).*

6.3 Attaching the Trios® Traction Arc

Since the Trios® Traction Arc is heavy, it is designed to be attached to the Trios® Table Base directly from its stowed position on the Trios® Traction Arc Cart. Do not attach the Trios® Traction Arc before installing the Trios® Orthopedic Trauma Top on the Trios® Table Base.

WARNING: Do not attempt to attach the Trios® Traction Arc to the Trios® Table Base without using the Trios® Traction Arc Cart. Failure to use the cart for support during attachment may cause harm to the healthcare professional or the device.

WARNING: Do not attempt to rotate the table by unlocking the 180 Degree Rotation Lock Handle while the Trios® Traction Arc is attached to the Trios® Table Base. Rotating the table with the Trios® Traction Arc installed could result in damage to the table or device, possible injury to the patient, or harm to the healthcare professionals.

NOTE: *When the Trios® Traction Arc is properly installed, the Lateral Tilt function of the Trios® Table Base will be disabled.*

Use the following steps to attach the Trios® Traction Arc to the Trios® Table Base:

1. Press the **Menu** Soft Key on the IntelliPendant®.
2. Press the **Down Arrow** Soft Key to highlight **Install/Remove Traction Arc**, and then press the **Select** Soft Key (Figure 44).

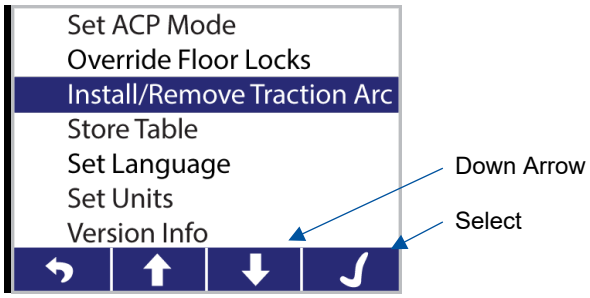


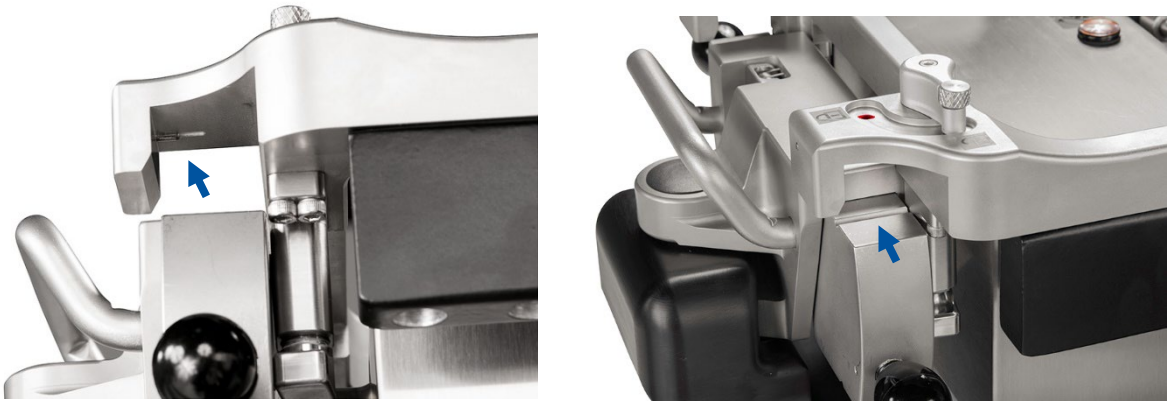
Figure 44: Install/Remove Traction Arc Selection

3. Complete the following steps in conjunction with the instructions provided on the IntelliPendant® to install the Trios® Traction Arc.
4. While the Trios® Traction Arc is in its stowed position on the cart, use the IntelliPendant® to lower the table to its lowest height.
5. Continue to the next step on the IntelliPendant® and roll the cart up to the Foot-End of the Trios® Table Base. The cart extensions should straddle the Foot-End base (Figure 45).



Figure 45: Trios® Traction Arc on Cart and Rolled to Base

6. Continue to the next step on the IntelliPendant® and position the cart so that the center of the Trios® Traction Arc is aligned to the center of the Trios® Orthopedic Trauma Top. Align the mounting hooks of the Trios® Traction Arc so that the two ridges on the underside of the mounting hooks will be seated in the two notches on the top of the Foot-End Crossbar when the Table is raised (Figure 46). Also align the rails on the Trios® Traction Arc bridge to the notches on the Foot-End of the table top (Figure 49).



Ridge on Underside of Mounting Hook

Notch on Crossbar

Figure 46: Trios® Traction Arc Positioned for Attachment

7. Continue to the next step on the IntelliPendant® and ensure that the two Arc/Crossbar Locks on the Trios® Traction Arc are in the unlocked position before proceeding.
   a. Raise the knurled thumbscrew on the Arc/Crossbar Lock.
   b. Rotate the Arc/Crossbar Lock to the unlocked position.
   c. Lower the knurled thumbscrew on Arc/Crossbar Lock into the notch at the unlocked position (Figure 47).

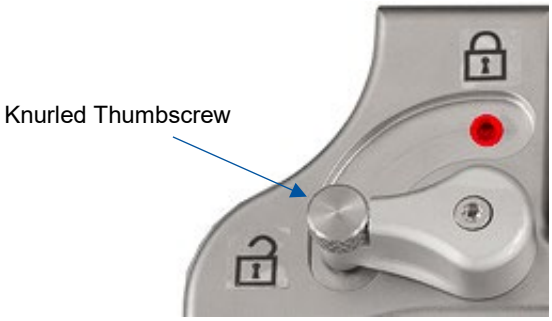


Figure 47: Arc/Crossbar Lock in Unlocked Position

8. Ensure that the Shaft Lock on the Trios® Traction Arc is in the unlocked position before proceeding. Use the T-Handle to retract the centering pin (Figure 48).

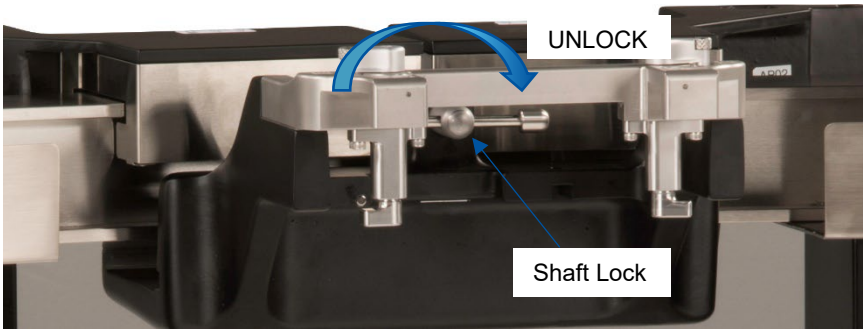


Figure 48: Shaft Lock in Unlocked Position

9. Continue to the next step on the IntelliPendant® and slowly raise the table, making minor adjustments to the position of the Trios® Traction Arc as needed.

10. Continue to the next step on the IntelliPendant®. Using the T-Handle of the Shaft Lock, tighten the bullet-nosed centering pin into the receiving hole in the Foot-End Column until securely held (Figure 49).

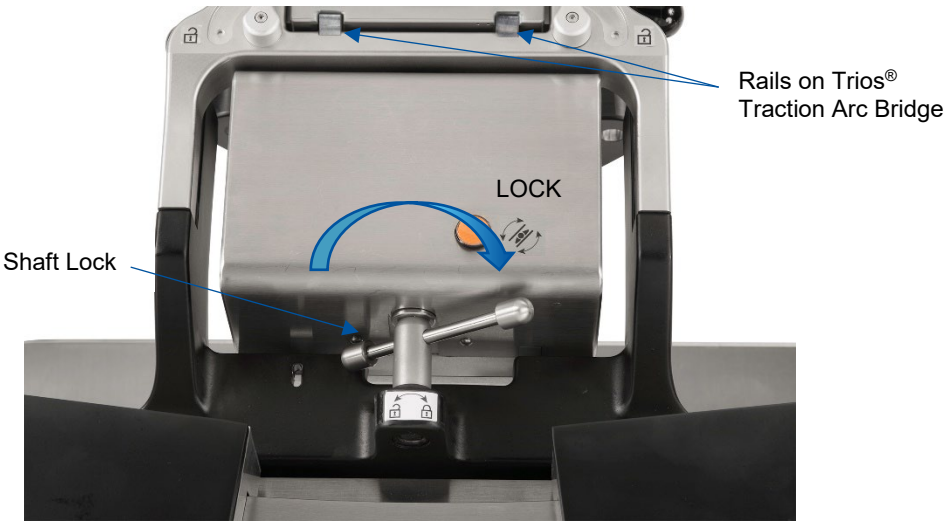


Figure 49: Trios® Traction Arc Secured in Place

11. When the mounting hooks have properly seated into the notches on the Crossbar, lock the two Arc/Crossbar Locks (Figure 50).

    a. Raise the knurled thumbscrew on the Arc/Crossbar Lock.

    b. Rotate the Arc/Crossbar Lock to the locked position.

    c. Lower the knurled thumbscrew on Arc/Crossbar Lock into the notch at the locked position. Ensure the red label is no longer exposed.

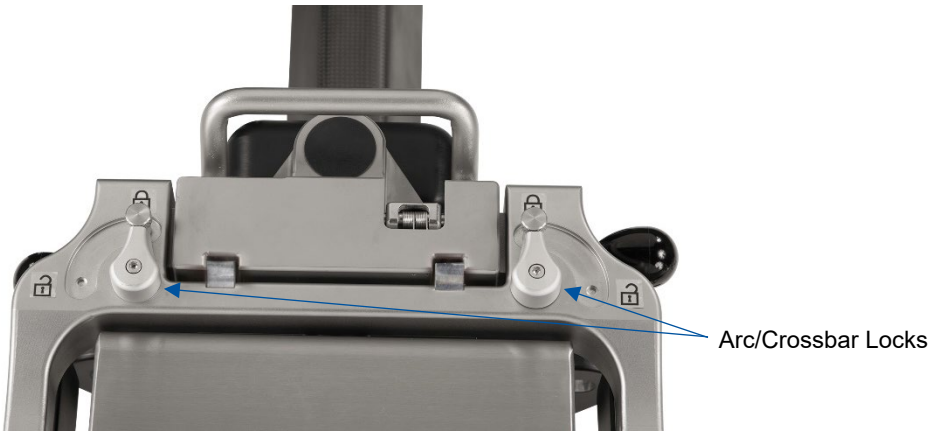


Figure 50: Arc/Crossbar Locks in Locked Position

NOTE: *If the ridges on the underside of the mounting hooks on the Trios® Traction Arc are not properly seated into the notches on the Crossbar, the Arc/Crossbar Locks will not lock. In this case, unlock the Shaft Lock, lower the table, and readjust the position of the Trios® Traction Arc.*



Figure 51: Trios® Traction Arc Properly Seated

12. Continue to the next step on the IntelliPendant® and raise the table until the arc is lifted above the cart (Figure 52). Remove the cart and position nearby for availability of additional table components.



Figure 52: Trios® Traction Arc Raised Above Trios® Traction Arc Cart

6.4 Removing the Trios® Traction Arc

1. Use the IntelliPendant® to engage the Floor Locks, if not already locked.
2. Press the **Menu** Soft Key on the IntelliPendant®.
3. Press the **Down Arrow** Soft Key to highlight **Install/Remove Traction Arc**, and then press the **Select** Soft Key (Figure 53).

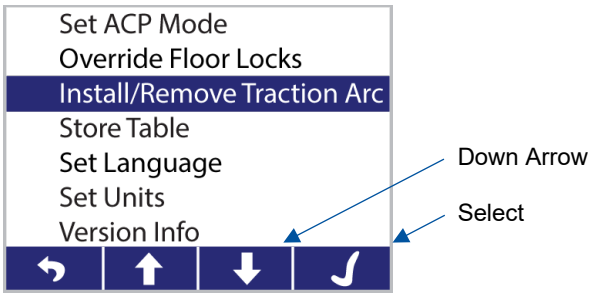


Figure 53: Install/Remove Traction Arc Selection

4. Complete the following steps in conjunction with the instructions provided on the IntelliPendant® to remove the Trios® Traction Arc.
5. Ensure that the Trios® Traction Arc is aligned to the center of the table. If necessary, unlock the Arc Lock and adjust the Trios® Traction Arc position. Once positioned, ensure that the Trios® Traction Arc is locked.
6. Continue to the next step on the IntelliPendant® and roll the cart up to the Foot-End of the Trios® Table Base. The cart extensions should straddle the Foot-End base (Figure 54).
7. Use the IntelliPendant® to move the table to the unload position.



Figure 54: Trios® Traction Arc Cart Rolled to Foot-End of Trios® Table Base

8. Continue to the next step on the IntelliPendant® and slowly lower the table until the arc is resting in its storage position on the cart (Figure 55).



Figure 55: Trios® Traction Arc Resting on Cart

9. Continue to the next step on the IntelliPendant® and unlock the two Arc/Crossbar Locks and the Shaft Lock.

   a. To unlock the Arc/Crossbar Locks, raise the knurled thumbscrews on the Arc/Crossbar Locks, rotate to the unlocked position, and then lower the knurled thumbscrews into the notches at the unlocked position (Figure 56).

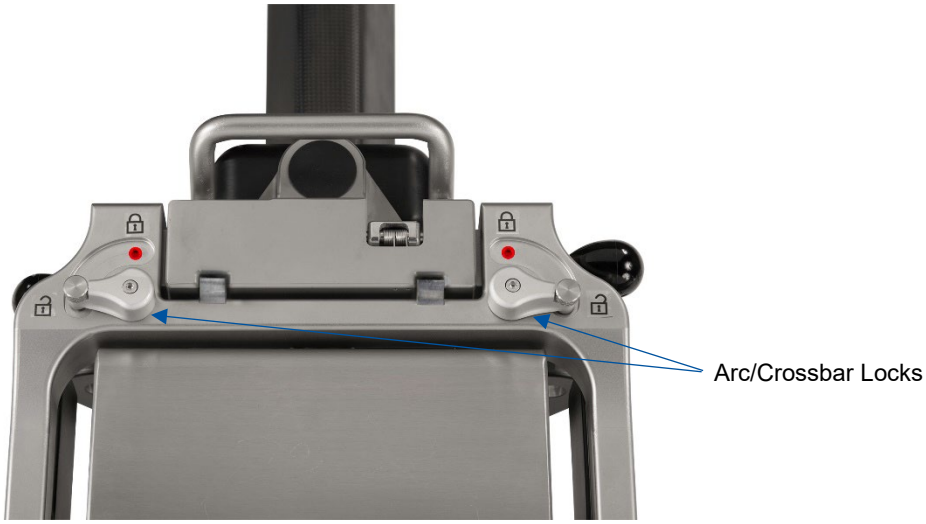


Figure 56: Arc/Crossbar Locks in Unlocked Position

   b. To unlock the Shaft Lock, rotate the T-Handle counterclockwise to remove the centering pin from the receiving hole in the Foot-End Column (Figure 57).

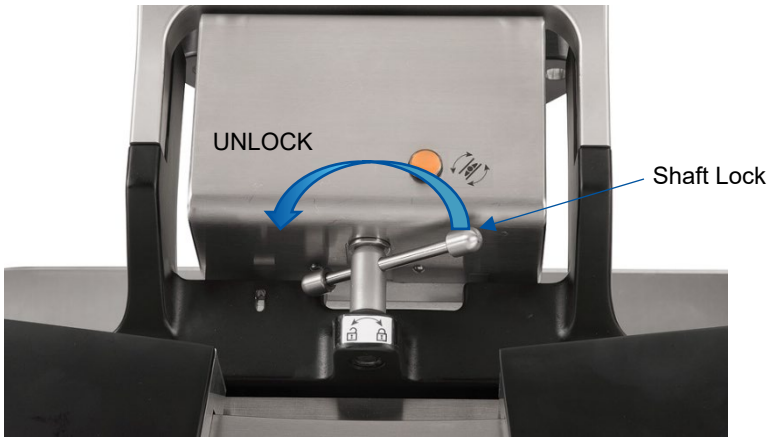


Figure 57: Unlocking Shaft Lock

10. Continue to the next step on the IntelliPendant® and lower the table to disengage the Trios® Traction Arc from the Trios® Table Base, and then roll the cart with Trios® Traction Arc away to its storage location.

6.5 Removing the Trios® Orthopedic Trauma Top

To remove the Trios® Orthopedic Trauma Top from the Trios® Table Base:

1. One person should hold the Table Top by the handle at the Head-End, while a second person holds the Table Top by the handle at the Foot-End.
2. The person at the Foot-End should continue to hold the table top handle with one hand, and with the other hand pull the Tower Release knob on the Crossbar that is closest to the thumb lock on the table top to release the locking mechanism, and then raise the Foot-End of the table top off the Crossbar (Figure 58).



Figure 58: Unlocking Foot-End of Table Top from Crossbar

3. The person at the Head-End should continue to hold the table top handle with one hand, and with the other hand pull the Tower Release knob on the Crossbar that is closest to the thumb lock on the table top to release the locking mechanism, and then raise the Head-End of the table top off the Crossbar (Figure 59).



Figure 59: Unlocking Head-End of Table Top from Crossbar

4. The two people should then carry the table top to its storage location.

7 Surgical Procedure Setups Using the Trios® Traction Arc

NOTE: *This device is intended for use by trained personnel. Prior to setup and use of the Trios® Orthopedic Trauma Top, ensure personnel have been trained. To schedule an in-service, please contact your Mizuho OSI Sales Representative, international distributor, or call 1-800-777-4674 within the USA or +1-510-429-1500 outside the USA.*

Instructions provided are for suggested setups. Final determination of patient positioning and setup is at the discretion of the surgeon and surgical team.

NOTE: *A variety of soft goods are available for use in all setups to ensure optimal patient comfort. For more information, see Section 5.2. Final determination of products used is at the discretion of the surgeon and surgical team.*

7.1 Hip Pinning – Unilateral Skin Traction

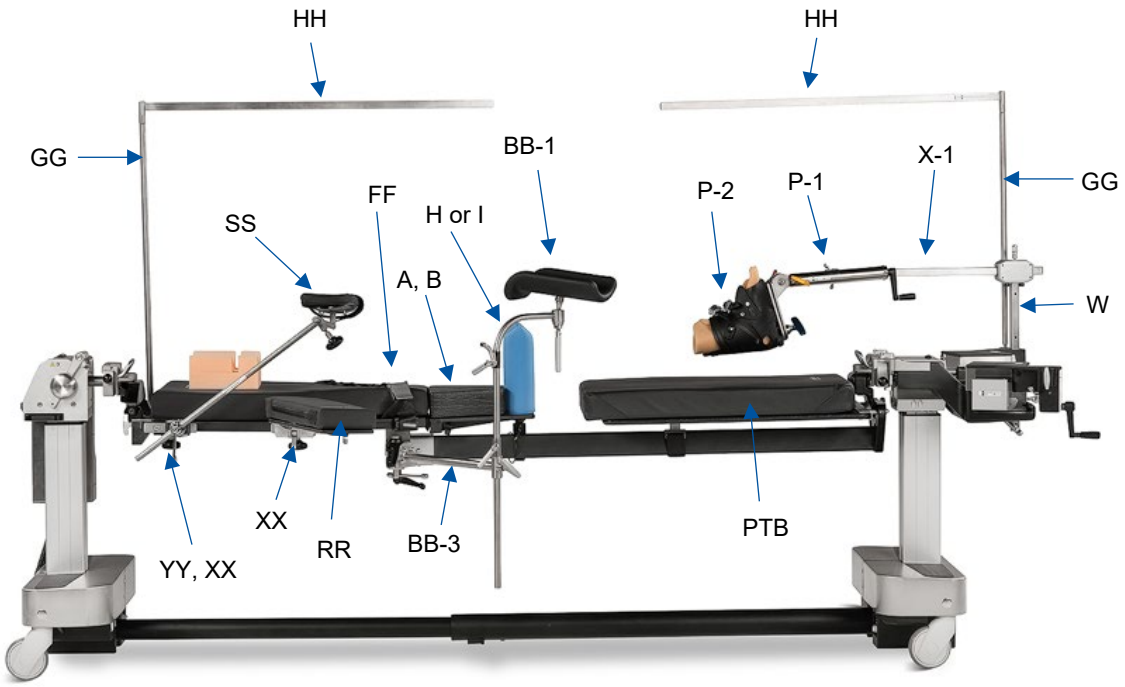


Figure 60: Table Setup for Left Hip Pinning Procedure with Unilateral Traction

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.

3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Install the Trios® Traction Arc. See Section 6.3.
5. Slide the Trios® Traction Arc and the Anatomical Adjustment Roller to the operative side of the table and lock with the Anatomical Lock. Slide the operative side Tractor to the mid-position on the Trios® Traction Arc and lock with the Tractor Lock.

NOTE: *For additional details on attachment of various components, see Section 3.*

6. Install the Traction Unit Upright (W) into the Tractor on the operative side of the table.
7. Install the Traction Extension (X-1) into the Traction Unit Upright with the Traction Unit Receiver facing medially.
8. Attach the Traction Unit (P-1) to the Traction Extension. Attach the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), to the Traction Unit.
9. Install the Patient Transfer Board (PTB) and secure with the locking strap to the Trios® Orthopedic Table Spar.
10. Apply the Patient Safety Strap (FF).
11. Slide the G.M. boards (A and B) on the head section of the table over the saddle and lock in place.
12. Install the Well Leg Support Swing Arm (BB-3) to the non-operative side of the table and lock into the mount.

NOTE: *Ensure the T-Handle on the Well Leg Support Swing Arm is facing down.*

13. Transfer the patient to the table in the supine position and secure with the Patient Safety Strap (FF).
14. Insert a padded Perineal Post (H or I) into the table. Move the patient to establish firm contact with the Perineal Post and adjust the Patient Safety Strap as appropriate.
15. Install the Well Leg Support (BB-1) into the Well Leg Support Swing Arm.
16. Place the patient's non-operative leg on the Well Leg Support, pad, and secure the thigh with muslin to the Counter-traction Hook on the Well Leg Upright.
17. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
19. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
20. Place the patient's foot on the operative leg into the Traction Boot (P-2), or Soft Traction Boot (R or S) secured to the Traction Foot Plate (P-2). Pad and secure the foot.
21. To remove the Patient Transfer Board, release the locking strap on the Trios® Orthopedic Table Spar. Locate the drop lever on the left side of the Foot-End and straighten. Slide the Patient Transfer Board toward the Head-End of the table and remove from the non-operative side of the table.
22. If desired, remove the G.M. board from the operative side for improved surgical access.
23. Trial position the C-arm.
24. Install the Patient Isolation Drape Hangers and Rods (GG and HH).
25. Prepare the patient.

26. Suspend the Patient Isolation Drape using the Drape Rods. Drape the patient using the Patient Isolation Drape.



Figure 61: Patient Positioned for a Left Hip Pinning; Unilateral Traction

NOTE: *At the discretion of the surgeon or surgical team, this setup may also be done using the Radiolucent Auxiliary Leg Spar and Tibial Well Leg Support in place of the Well Leg Support and Well Leg Support Swing Arm.*

7.1.1 Parts for Patient Positioning for Hip Pinning; Unilateral Traction

W Traction Unit Upright 	**X-1** Traction Extension 	**P-1** Traction Unit 
P-2 Traction Boot, Large or Small 	**P-2** Traction Foot Plate 	**R or S** Soft Traction Boot, Large or Small 

PTB Patient Transfer Board 	**FF** Patient Safety Strap 	**A and B** G.M. Board, Left and Right 
BB-3 Well Leg Support Swing Arm 	**BB-1** Well Leg Support 	**H or I** Perineal Post, Adult or Child 
XX Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 	**YY** Clark Socket (*Optional*) 
SS Cross Arm Support (*Optional*) 	**GG** Patient Isolation Drape Hanger (2) 	**HH** Patient Isolation Drape Rod (2) 

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

7.2 Hip Pinning – Bilateral Skin Traction

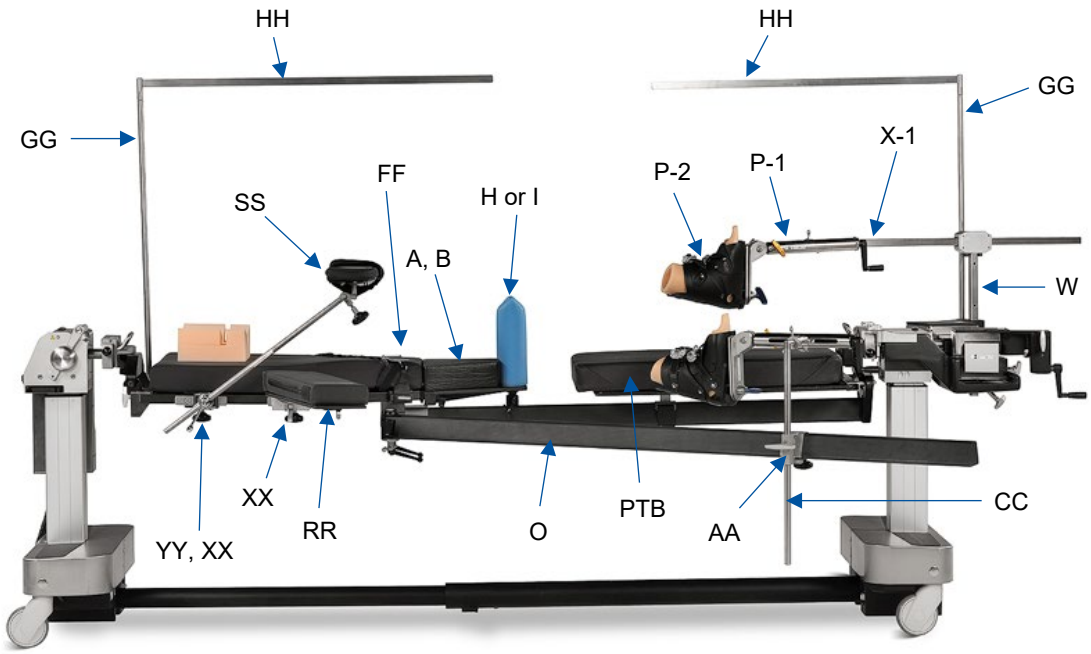


Figure 62: Table Setup for Left Hip Pinning Procedure with Bilateral Traction

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Install the Trios® Traction Arc. See Section 6.3.
5. Slide the Trios® Traction Arc and the Anatomical Adjustment Roller to the operative side of the table and lock with the Anatomical Lock. Slide the operative side Tractor to the mid-position on the Trios® Traction Arc and lock with the Tractor Lock.

NOTE: *For additional details on attachment of various components, see Section 3.*

6. Install the Traction Unit Upright (W) into the Tractor on the operative side of the table.
7. Install the Traction Extension (X-1) into the Traction Unit Upright with the Traction Unit Receiver facing medially.
8. Attach the Traction Unit (P-1) to the Traction Extension. Attach the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), to the Traction Unit.
9. Install the Patient Transfer Board (PTB) and secure with the locking strap to the Trios® Orthopedic Table Spar.
10. Apply the Patient Safety Strap (FF).

11. Slide the G.M. boards (A and B) on the head section of the table over the saddle and lock in place.
12. Install the Radiolucent Auxiliary Leg Spar (O) to the non-operative side of the table and lock into the mount.

NOTE: *Ensure the T-Handle on the Radiolucent Auxiliary Leg Spar is facing down.*

13. Transfer the patient to the table in the supine position and secure with the Patient Safety Strap (FF).
14. Insert a padded Perineal Post (H or I) into the table. Move the patient to establish firm contact with the Perineal Post and adjust the Patient Safety Strap as appropriate.
15. Install the Accessory Clamp (AA) on the Radiolucent Auxiliary Leg Spar and insert the Leg Spar Upright (CC) medially. Install the Traction Unit (P-1) on the Leg Spar Upright with the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), attached.
16. Place the patient's foot on the non-operative leg into the Traction Boot (P-2), or Soft Traction Boot (R or S) secured to the Traction Foot Plate (P-2). Pad and secure the patient's foot.
17. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
19. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
20. Place the patient's foot on the operative leg into the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S). Pad and secure the foot.
21. To remove the Patient Transfer Board, release the locking strap on the Trios® Orthopedic Table Spar. Locate the drop lever on the left side of the Foot-End and straighten. Slide the Patient Transfer Board toward the Head-End of the table and remove from the non-operative side of the table.
22. If desired, remove the G.M. board from the operative side for improved surgical access.
23. Trial position the C-arm.
24. Install the Patient Isolation Drape Hangers and Rods (GG and HH).
25. Prepare the patient.
26. Suspend the Patient Isolation Drape using the Drape Rods. Drape the patient using the Patient Isolation Drape.



Figure 63: Patient Positioned for a Left Hip Pinning; Bilateral Traction

7.2.1 Parts for Patient Positioning for Hip Pinning; Bilateral Traction

W Traction Unit Upright 	**X-1** Traction Extension 	**P-1** Traction Unit 
P-2 Traction Boot, Large or Small 	**P-2** Traction Foot Plate 	**R or S** Soft Traction Boot, Large or Small 

PTB Patient Transfer Board 	**FF** Patient Safety Strap 	**A and B** G.M. Board, Left and Right 
O Radiolucent Auxiliary Leg Spar 	**AA** Accessory Clamp 	**CC** Leg Spar Upright 
H or I Perineal Post, Adult or Child 	**XX** Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 
YY Clark Socket (*Optional*) 	**SS** Cross Arm Support (*Optional*) 	**GG** Patient Isolation Drape Hanger (2)
HH Patient Isolation Drape Rod (2) 		

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

7.3 IM Femoral Nailing, Supine – Unilateral Skeletal Traction

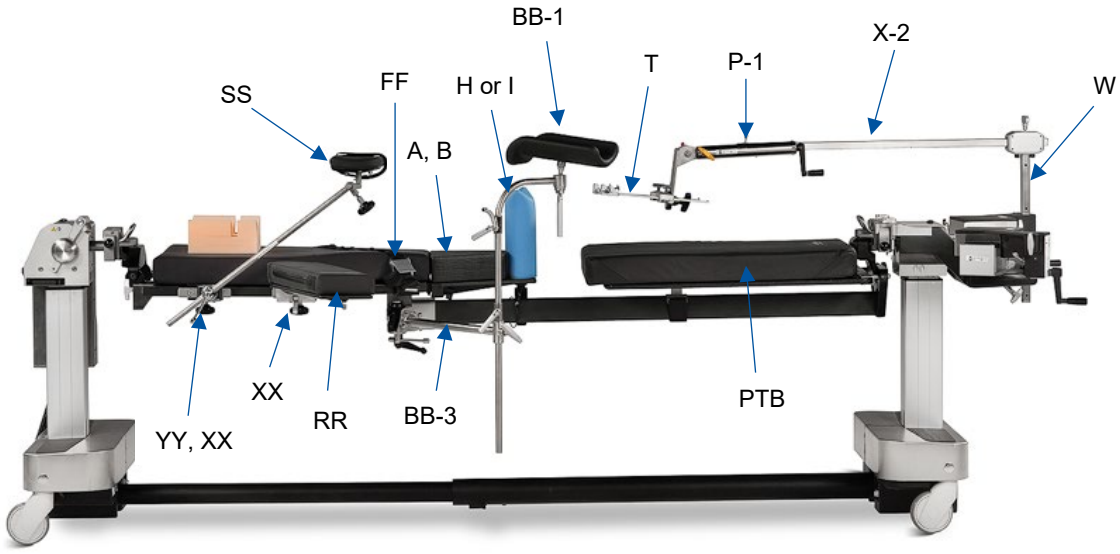


Figure 64: Table Setup for Left IM Femoral Nailing Procedure with Skeletal Traction

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Install the Trios® Traction Arc. See Section 6.3.
5. Slide the Trios® Traction Arc and the Anatomical Adjustment Roller to the operative side of the table and lock with the Anatomical Lock. Slide the operative side Tractor to the mid-position on the Trios® Traction Arc and lock with the Tractor Lock.

NOTE: *For additional details on attachment of various components, see Section 3.*

6. Install the Traction Unit Upright (W) into the Tractor on the operative side of the table.
7. Install the Traction Extension (X-2) into the Traction Unit Upright with the Traction Unit Receiver facing medially.
8. Attach the Traction Unit (P-1) with the 90 Degree Pin and Wire Holder (T) or Kirschner Bow Holder (Z) to the Traction Extension.
9. Install the Patient Transfer Board (PTB) and secure with the locking strap to the Trios® Orthopedic Table Spar.
10. Apply the Patient Safety Strap (FF).
11. Slide the G.M. boards (A and B) on the head section of the table over the saddle and lock in place.

12. Install the Well Leg Support Swing Arm (BB-3) to the non-operative side of the table and lock into the mount.

NOTE: *Ensure the T-Handle on the Well Leg Support Swing Arm is facing down.*

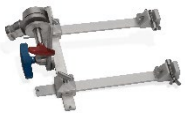
13. Transfer the patient to the table in the supine position and secure with the Patient Safety Strap (FF).
14. Insert a padded Perineal Post (H or I) into the table. Move the patient to establish firm contact with the Perineal Post and adjust the Patient Safety Strap as appropriate.
15. Install the Well Leg Support (BB-1) into the Well Leg Support Swing Arm.
16. Place the patient's non-operative leg on the Well Leg Support, pad, and secure the thigh with muslin to the Counter-traction Hook on the Well Leg Upright.
17. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
19. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
20. Secure the Kirschner wire or Steinmann pin in the patient's operative leg into the 90 Degree Pin and Wire Holder (T). Alternatively, the Kirschner Bow can be used with the Kirschner wire. Secure the patient's lower leg to the Traction Unit with a muslin strap to support the heel.
21. To remove the Patient Transfer Board, release the locking strap on the Trios® Orthopedic Table Spar. Locate the drop lever on the left side of the Foot-End and straighten. Slide the Patient Transfer Board toward the Head-End of the table and remove from the non-operative side of the table.
22. Trial position the C-arm.
23. Prepare the patient.



Figure 65: Patient Positioned for a Left IM Femoral Nailing: Supine, Unilateral Traction

NOTE: *At the discretion of the surgeon or surgical team, this setup may also be done using the Radiolucent Auxiliary Leg Spar and Tibial Well Leg Support in place of the Well Leg Support and Well Leg Support Swing Arm.*

7.3.1 Parts for Patient Positioning for IM Femoral Nailing; Supine with Unilateral Traction

W Traction Unit Upright 	**X-1** Traction Extension 	**P-1** Traction Unit 
T 90 Degree Pin and Wire Holder 	**Z** Kirschner Bow Holder 	**PTB** Patient Transfer Board 
FF Patient Safety Strap 	**A and B** G.M. Board, Left and Right 	**BB-3** Well Leg Support Swing Arm 
BB-1 Well Leg Support 	**H or I** Perineal Post, Adult or Child 	**XX** Universal Side Rail Adapter (2) 
RR Pivoting Arm Board (*Optional*) 	**YY** Clark Socket (*Optional*) 	**SS** Cross Arm Support (*Optional*) 

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

7.4 IM Femoral Nailing, Supine – Bilateral Traction, Skeletal and Skin

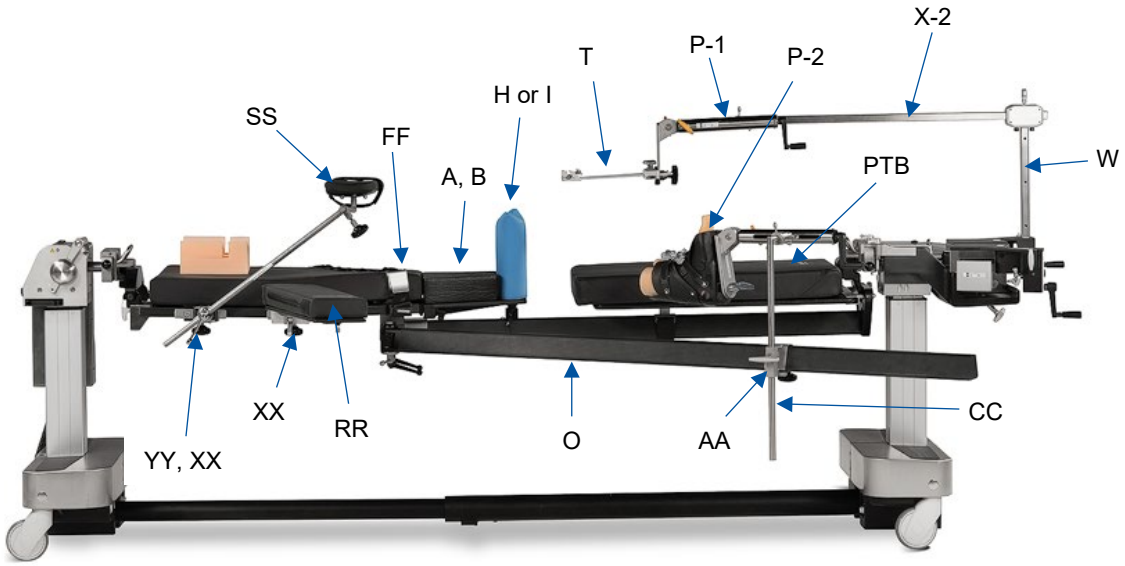


Figure 66: Table Setup for Left IM Femoral Nailing Procedure with Bilateral Traction

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Install the Trios® Traction Arc. See Section 6.3.
5. Slide the Trios® Traction Arc and the Anatomical Adjustment Roller to the operative side of the table and lock with the Anatomical Lock. Slide the operative side Tractor to the mid-position on the Trios® Traction Arc and lock with the Tractor Lock.

NOTE: *For additional details on attachment of various components, see Section 3.*

6. Install the Traction Unit Upright (W) into the Tractor on the operative side of the table.
7. Install the Traction Extension (X-2) into the Traction Unit Upright with the Traction Unit Receiver facing medially.
8. Attach the Traction Unit (P-1) with the 90 Degree Pin and Wire Holder (T) or Kirschner Bow Holder (Z) to the Traction Extension.
9. Install the Patient Transfer Board (PTB) and secure with the locking strap to the Trios® Orthopedic Table Spar.
10. Apply the Patient Safety Strap (FF).
11. Slide the G.M. boards (A and B) on the head section of the table over the saddle and lock in place.

12. Install the Radiolucent Auxiliary Leg Spar (O) to the non-operative side of the table and lock into the mount.

NOTE: *Ensure the T-Handle on the Radiolucent Auxiliary Leg Spar is facing down.*

13. Transfer the patient to the table in the supine position and secure with the Patient Safety Strap (FF).
14. Insert a padded Perineal Post (H or I) into the table. Move the patient to establish firm contact with the Perineal Post and adjust the Patient Safety Strap as appropriate.
15. Install an Accessory Clamp (AA) on the Radiolucent Auxiliary Leg Spar and insert the Leg Spar Upright (CC) medially. Install the Traction Unit (P-1) on the Leg Spar Upright with the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), attached.
16. Place the patient's foot on the non-operative leg into the Traction Boot (P-2), or Soft Traction Boot (R or S) secured to the Traction Foot Plate (P-2). Pad and secure the foot.
17. Secure the Kirschner wire or Steinmann pin in the patient's operative leg into the 90 Degree Pin and Wire Holder. Alternatively, the Kirschner Bow can be used with the Kirschner wire. Secure the patient's lower leg to the Traction Unit with a muslin strap to support the heel.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
19. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
20. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
21. To remove the Patient Transfer Board, release the locking strap on the Trios® Orthopedic Table Spar. Locate the drop lever on the left side of the Foot-End and straighten. Slide the Patient Transfer Board toward the Head-End of the table and remove from the non-operative side of the table.
22. Trial position the C-arm.
23. Prepare the patient.



Figure 67: Patient Positioned for a Left IM Femoral Nailing Procedure with Bilateral Traction

7.4.1 Parts for Patient Positioning for IM Femoral Nailing; Bilateral Traction

W Traction Unit Upright 	**X-2** Traction Extension, Long 	**P-1** Traction Unit 
T 90 Degree Pin and Wire Holder 	**Z** Kirschner Bow Holder 	**PTB** Patient Transfer Board 
FF Patient Safety Strap 	**A and B** G.M. Board, Left and Right 	**O** Radiolucent Auxiliary Leg Spar 
H or I Perineal Post, Adult or Child 	**AA** Accessory Clamp 	**CC** Leg Spar Upright 
P-2 Traction Boot, Large or Small 	**P-2** Traction Foot Plate 	**R or S** Soft Traction Boot, Large or Small 
XX Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 	**YY** Clark Socket (*Optional*) 

SS Cross Arm Support (*Optional*) 		

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

7.5 IM Femoral Nailing, Lateral Decubitus Position – Unilateral Skeletal Traction

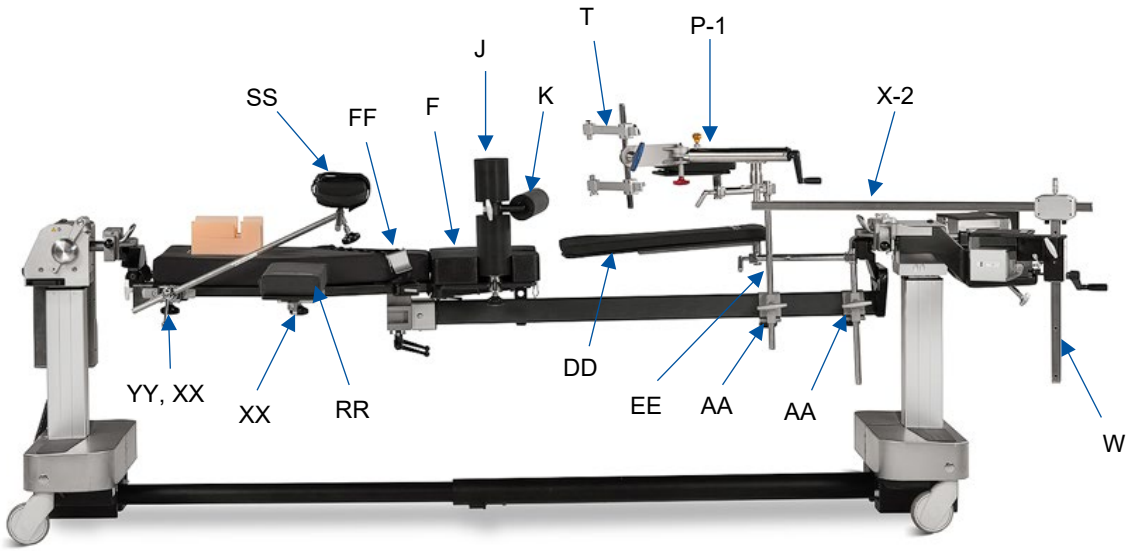


Figure 68: Table Setup for Left IM Femoral Nailing Procedure with Skeletal Traction

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Install the Trios® Traction Arc. See Section 6.3.
5. Slide the Trios® Traction Arc and the Anatomical Adjustment Roller to the non-operative side of the table and lock with the Anatomical Lock.
6. With the Trios® Traction Arc extended to its full length on the non-operative side of the table, slide one Tractor to the end of the Trios® Traction Arc on the non-operative side of the table and lock with the Tractor Lock. Slide the other Tractor to the mid-position on the Trios® Traction Arc and lock with the Tractor Lock.

NOTE: *For additional details on attachment of various components, see Section 3.*

7. Install the Traction Unit Upright (W) into the Tractor positioned at the lateral end of the Traction Assembly.
8. Install the Traction Extension (X-2) into the Traction Unit Upright with the Traction Unit Receiver facing up.
9. Attach the Traction Unit (P-1) with the 90 Degree Pin and Wire Holder (T) or Kirschner Bow Holder (Z) to the Traction Extension.
10. Rotate the 90 Degree Pin and Wire Holder (T) 90 degrees by releasing the Gold Lock Handle.
11. Apply the Patient Safety Strap (FF).
12. Slide the Center Support Board (F) onto the head section of the table and secure with the locking knob under the table top. Insert the Center Support Plug into the receiver hole at the distal end of the Center Support Board.
13. Attach two Accessory Clamps (AA) to the Trios® Orthopedic Table Spar near the Foot-End with the receivers on the non-operative side of the table.
14. Insert the Leg Board (DD) into the distal Accessory Clamp and position at table top height.
15. Insert the Lower Leg Support (EE) into the proximal Accessory Clamp and position six inches above the Leg Board.
16. Transfer the patient to the table in the supine position. With the surgical team supporting the patient, position the patient with the non-operative thigh on the Center Support Board.
17. Roll the patient into the lateral position with operative side up and secure with the Patient Safety Strap (FF).
18. Insert the Ilium Post (J) with the Lateral Perineal Post (K) into the non-operative side of the Center Support Board. Rotate the Ilium Post to adjust the Lateral Perineal Post approximately 30 degrees with the elbow toward the Foot-End of the table and lock using the locking knob on the Ilium Post.

NOTE: *At the discretion of the surgeon, lateral positioners may also be used. See Section 9 for more information.*

19. Place the lower (non-operative) leg on the Leg Board and adjust the board position as required. Lock the Rotational Lock; pad and secure the leg.
20. Position the operative leg in the 90 Degree Pin and Wire Holder and secure the Kirschner wire or Steinmann pin to the holder. Alternatively, the Kirschner Bow can be used with the Kirschner wire. Position the calf of the operative leg on the Lower Leg Support Board; pad and secure the leg.
21. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
22. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
23. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
24. Trial position the C-arm.
25. Prepare the patient.



Figure 69: Patient Positioned for a Left IM Femoral Nailing Procedure with Skeletal Traction

7.5.1 Parts for Patient Positioning for IM Femoral Nailing; Lateral Decubitus Position with Skeletal Traction

W Traction Unit Upright 	**X-2** Traction Extension, Long 	**P-1** Traction Unit 
T 90 Degree Pin and Wire Holder 	**Z** Kirschner Bow Holder 	**FF** Patient Safety Strap 
F Center Support Board 	**AA** Accessory Clamp (2) 	**DD** Leg Board 

EE Lower Leg Support 	**J** Ilium Post 	**K** Lateral Perineal Post 
XX Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 	**YY** Clark Socket (*Optional*) 
SS Cross Arm Support (*Optional*) 		

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

7.6 IM Femoral Nailing, Lateral Decubitus Position – Bilateral Skin Traction

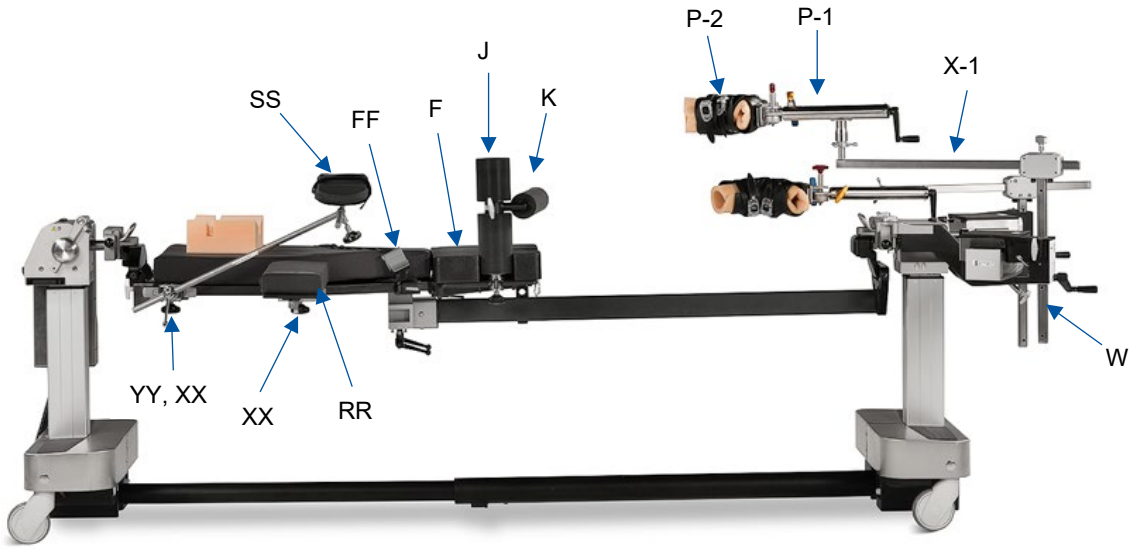


Figure 70: Table Setup for Left IM Femoral Nailing Procedure with Bilateral Skin Traction

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Install the Trios® Traction Arc. See Section 6.3.
5. Slide the Trios® Traction Arc and the Anatomical Adjustment Roller to the non-operative side of the table and lock with the Anatomical Lock.
6. With the Trios® Traction Arc extended to its full length on the non-operative side of the table, slide one Tractor to the end of the Trios® Traction Arc on the non-operative side of the table and lock with the Tractor Lock. Slide the other Tractor to the mid-position on the Trios® Traction Arc and lock with the Tractor Lock.

NOTE: *For additional details on attachment of various components, see Section 3.*

7. Install the Traction Unit Upright (W) into the Tractor positioned most laterally on the Trios® Traction Arc. Install the Traction Extension (X-1) into the Traction Unit Upright with the Traction Unit Receiver facing up. Attach the Traction Unit (P-1) with the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), to the Traction Extension.
8. Install the remaining Traction Unit Upright (W) into the Tractor in the mid-position on the Trios® Traction Arc. Install the Traction Extension (X-1) into the Traction Unit Upright with the Traction Unit Receiver facing medially. Attach the Traction Unit (P-1) with the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), to the Traction Extension.
9. Rotate the Traction Boots (P-2), or Traction Foot Plates (P-2) and Soft Traction Boots (R

or S), by releasing the Gold Lock Handle and rotating 90 degrees towards the non-operative side of the table.

10. Install the Patient Transfer Board (PTB) and secure with the locking strap to the Trios® Orthopedic Table Spar.
11. Apply the Patient Safety Strap (FF).
12. Slide the Center Support Board (F) on the head section of the table and secure with the locking knob under the table top. Insert the Center Support Plug into the receiver hole at the distal end of the Center Support Board.
13. Transfer the patient to the table in the supine position. With the surgical team supporting the patient, position the patient with the non-operative thigh on the Center Support Board.
14. Roll the patient into the lateral position with operative side up and secure with the Patient Safety Strap (FF).
15. Insert the Ilium Post (J) with the Lateral Perineal Post (K) into the non-operative side of the Center Support Board. Rotate the Ilium Post to adjust the Lateral Perineal Post approximately 30 degrees with the elbow toward the Foot-End of the table and lock using the locking knob on the Ilium Post.

NOTE: *At the discretion of the surgeon, lateral positioners may also be used. See Section 9 for more information.*

16. Place the patient's feet in the Traction Boots (P-2), or Soft Traction Boots (R or S) secured to the Traction Foot Plates (P-2). Pad and secure the feet.
17. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
19. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
20. To remove the Patient Transfer Board, release the locking strap on the Trios® Orthopedic Table Spar. Locate the drop lever on the left side of the Foot-End and straighten. Slide the Patient Transfer Board toward the Head-End of the table and remove from the non-operative side of the table.
21. Trial position the C-arm.
22. Prepare the patient.



Figure 71: Patient Positioned for Left IM Femoral Nailing; Lateral Decubitus Position with Bilateral Traction

7.6.1 Parts for Patient Positioning for IM Femoral Nailing; Lateral Decubitus Position with Bilateral Skin Traction

W Traction Unit Upright (2) 	**X-1** Traction Extension (2) 	**P-1** Traction Unit (2) 
P-2 Traction Boot, Large or Small (2) 	**P-2** Traction Foot Plate (2) 	**R or S** Soft Traction Boot, Large or Small (2) 

PTB Patient Transfer Board 	**FF** Patient Safety Strap 	**F** Center Support Board 
J Ilium Post 	**K** Lateral Perineal Post 	**XX** Universal Side Rail Adapter (2) 
RR Pivoting Arm Board (*Optional*) 	**YY** Clark Socket (*Optional*) 	**SS** Cross Arm Support (*Optional*) 

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

7.7 IM Femoral Nailing, Lateral Decubitus Position – Unilateral Skin Traction

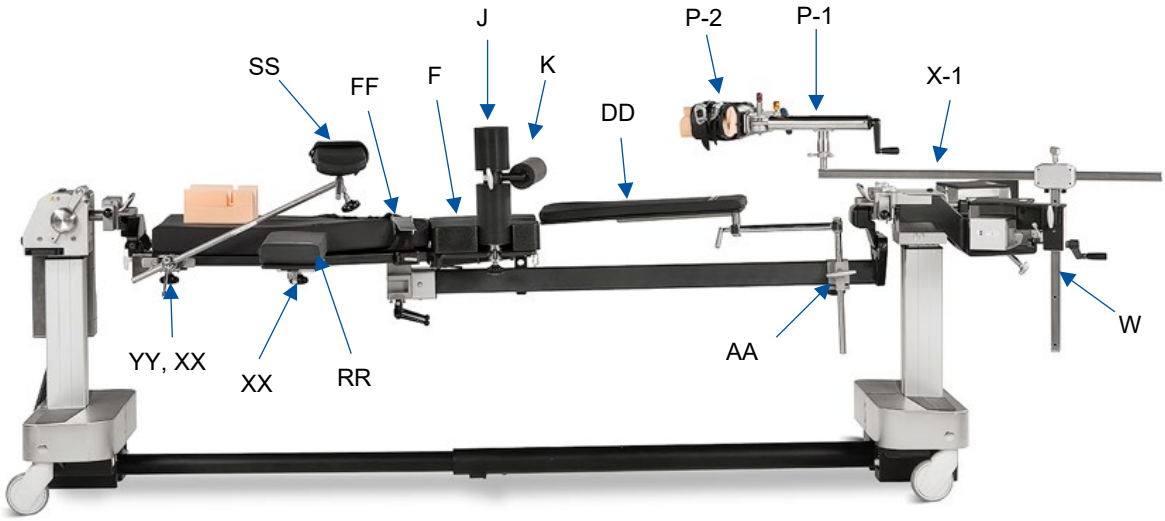


Figure 72: Table Setup for Left IM Femoral Nailing Procedure with Unilateral Skin Traction

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Install the Trios® Traction Arc. See Section 6.3.
5. Slide the Trios® Traction Arc and the Anatomical Adjustment Roller to the non-operative side of the table and lock with the Anatomical Lock.
6. With the Trios® Traction Arc extended to its full length on the non-operative side of the table, slide one Tractor to each end of the Trios® Traction Arc and lock with the Tractor Lock.

NOTE: *For additional details on attachment of various components, see Section 3.*

7. Install the Traction Unit Upright (W) into the Tractor positioned at the lateral end of the Trios® Traction Arc.
8. Install the Traction Extension (X-1) into the Traction Unit Upright with the Traction Unit Receiver facing up.
9. Attach the Traction Unit (P-1) with the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), to the Traction Extension.
10. Rotate the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), by releasing the Gold Lock Handle and rotating 90 degrees towards the non-operative side of the table.
11. Apply the Patient Safety Strap (FF).

12. Slide the Center Support Board (F) on the head section of the table and secure with the locking knob under the table top. Insert the Center Support Plug into the receiver hole at the distal end of the Center Support Board.
13. Attach the Accessory Clamp (AA) to the Trios® Orthopedic Table Spar near the Foot-End with the receiver on the operative side of the table.
14. Insert the Leg Board (DD) into the Accessory Clamp and position at table top height.
15. Transfer the patient to the table in the supine position. With the surgical team supporting the patient, position the patient with the non-operative thigh on the Center Support Board.
16. Roll the patient into the lateral position with operative side up and secure with the Patient Safety Strap (FF).
17. Insert the Ilium Post (J) with the Lateral Perineal Post (K) into the non-operative side of the Center Support Board. Rotate the Ilium Post to adjust the Lateral Perineal Post approximately 30 degrees with the elbow toward the Foot-End of the table and lock using the locking knob on the Ilium Post.

NOTE: *At the discretion of the surgeon, lateral positioners may also be used. See Section 9 for more information.*

18. Place the patient's lower (non-operative) leg on the Leg Board, adjust the board position as required, and apply the Rotational Lock; pad and secure the leg.
19. Place the patient's foot on the operative leg in the Traction Boot (P-2), or Soft Traction Boot (R or S) secured to the Traction Foot Plate (P-2). Pad and secure the foot.
20. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
21. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
22. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
23. Trial position the C-arm.
24. Prepare the patient.



Figure 73: Patient Positioned for Left IM Femoral Nailing; Lateral Decubitus Position with Unilateral Skin Traction

7.7.1 Parts for Patient Positioning for an IM Femoral Nailing; Lateral Decubitus Position with Unilateral Skin Traction

W Traction Unit Upright 	**X-1** Traction Extension (2) 	**P-1** Traction Unit 
P-2 Traction Boot, Large or Small 	**P-2** Traction Foot Plate 	**R or S** Soft Traction Boot, Large or Small 
FF Patient Safety Strap 	**F** Center Support Board 	**AA** Accessory Clamp 

DD Leg Board 	**J** Ilium Post 	**K** Lateral Perineal Post 
XX Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 	**YY** Clark Socket (*Optional*) 
SS Cross Arm Support (*Optional*) 		

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

8 Surgical Procedure Setups without Trios® Traction Arc

NOTE: *This device is intended for use by trained personnel. Prior to setup and use of the Trios® Orthopedic Trauma Top, ensure personnel have been trained. To schedule an in-service, please contact your Mizuho OSI Sales Representative, international distributor, or call 1-800-777-4674 within the USA or +1-510-429-1500 outside the USA.*

Instructions provided are for suggested setups. Final determination of patient positioning and setup is at the discretion of the surgeon and surgical team.

NOTE: *A variety of soft goods are available for use in all setups to ensure optimal patient comfort. For more information, see Section 5.2. Final determination of products used is at the discretion of the surgeon and surgical team.*

For prolonged surgical procedures with patients in the lithotomy position, consider using the Radiolucent Auxiliary Leg Spar as an alternative.

8.1 IM Tibial Nailing Using Well Leg Support

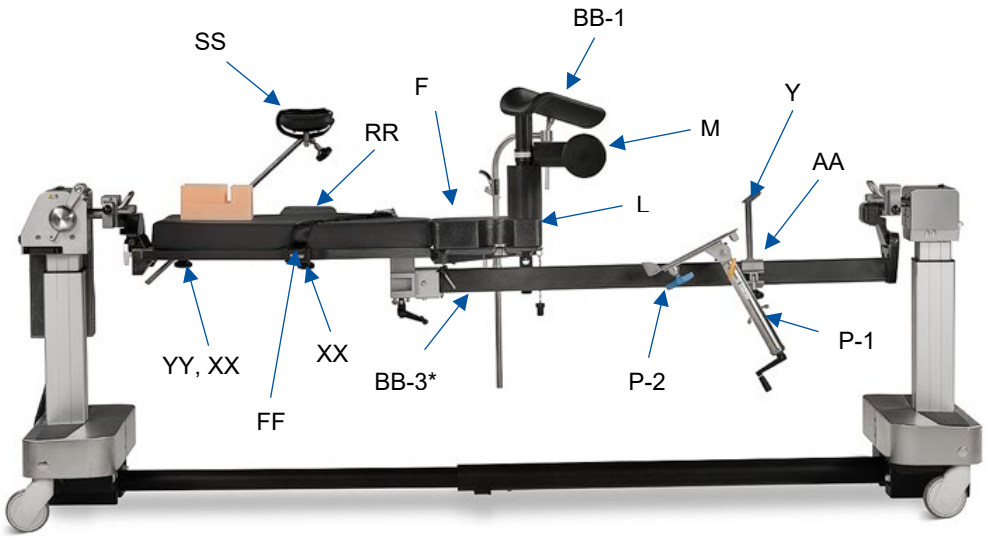


Figure 74: Table Setup for Right IM Tibial Nailing Procedure with Skin Traction (Using Well Leg Support)

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.

3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Attach the Accessory Clamp (AA) to the Trios® Orthopedic Table Spar near the Foot-End with the receiver on the non-operative side of the table.

NOTE: *For additional details on attachment of various components, see Section 3.*

5. Insert the Tibia Traction Upright (Y) into the Accessory Clamp from the bottom with the Traction Unit Receiver facing the operative side of the table.
6. Attach the Traction Unit (P-1) to the Tibia Traction Upright.
7. Attach the Traction Foot Plate (P-2) to the Traction Unit.

NOTE: *The Traction Boot may not be used if an interlocking nail is to be inserted.*

8. Apply the Patient Safety Strap (FF).
9. Slide the Center Support Board (F) on the head section of the table and secure with the locking knob under the table top. Insert the Center Support Plug into the receiver hole at the distal end of the Center Support Board.
10. Install the Well Leg Support Swing Arm (BB-3) to the non-operative side of the table and lock into the mount.

NOTE: *Ensure the T-Handle on the Well Leg Support Swing Arm is facing down.*

11. Verify that the table is level prior to transferring the patient.
12. Transfer the patient to the table in the supine position with the surgical team supporting the patient and secure with the Patient Safety Strap (FF).
13. Insert the Tibia Support Upright (L) into the center notch on the Center Support Board.
14. Attach the Tibia Counter-Traction Post (M) to the Tibia Support Upright and reposition the patient on the table. Readjust and secure the Patient Safety Strap as appropriate.
15. Install the Well Leg Support (BB-1) into the Well Leg Support Swing Arm.
16. Place the patient's non-operative leg on the Well Leg Support. Pad and secure the patient's leg.
17. Place the patient's operative foot on the Traction Foot Plate. Pad and secure the patient's foot.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
19. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
20. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
21. Trial position the C-arm.
22. Prepare the patient.

⚠ CAUTION: It is important that the Tibia Counter-Traction Post be placed against the distal femur, 2-3" proximal to the popliteal fossa. Placement of the post into the fossa may result in a potential neurological or circulatory injury.



Figure 75: Patient Positioned for a Right IM Tibial Nailing (Using Well Leg Support)

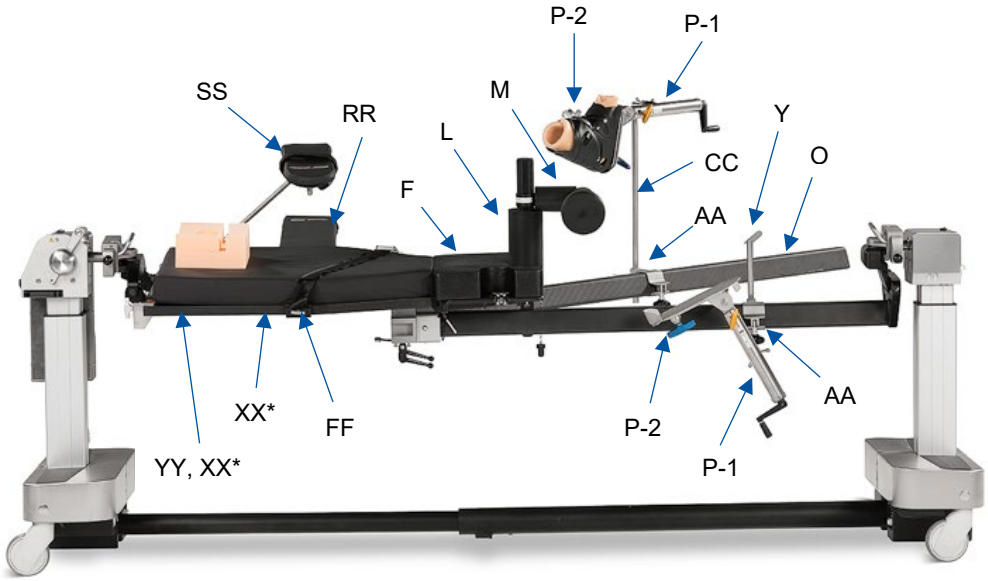
8.1.1 Parts for Patient Positioning for IM Tibial Nailing Using Well Leg Support

AA Accessory Clamp 	**Y** Tibia Traction Upright 	**P-1** Traction Unit 
P-2 Traction Foot Plate 	**FF** Patient Safety Strap 	**F** Center Support Board 
BB-3 Well Leg Support Swing Arm 	**L** Tibia Support Upright 	**M** Tibia Counter-Traction Post 

BB-1 Well Leg Support 	**XX** Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 
YY Clark Socket (*Optional*) 	**SS** Cross Arm Support (*Optional*) 	

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

8.2 IM Tibial Nailing Using Radiolucent Auxiliary Leg Spar with Traction Boot



* Part not visible

Figure 76: Table Setup for Right IM Tibial Nailing Procedure with Skin Traction (Using Radiolucent Auxiliary Leg Spar with Traction Boot)

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Attach the Accessory Clamp (AA) to the Trios® Orthopedic Table Spar near the Foot-End with the receiver on the non-operative side of the table.

NOTE: *For additional details on attachment of various components, see Section 3.*

5. Insert the Tibia Traction Upright (Y) into the Accessory Clamp from the bottom with the Traction Unit Receiver facing the operative side of the table.
6. Attach the Traction Unit (P-1) to the Tibia Traction Upright.
7. Attach the Traction Foot Plate (P-2) to the Traction Unit.

NOTE: *The Traction Boot may not be used if an interlocking nail is to be inserted.*

8. Apply the Patient Safety Strap (FF).
9. Slide the Center Support Board (F) on the head section of the table and secure with the locking knob under the table top. Insert the Center Support Plug into the receiver hole at the distal end of the Center Support Board.

10. Install the Radiolucent Auxiliary Leg Spar (O) to the non-operative side of the table and lock into the mount.

NOTE: *Ensure the T-Handle on the Radiolucent Auxiliary Leg Spar is facing down.*

11. Verify that the table is level prior to transferring the patient.
12. Transfer the patient to the table in the supine position with the surgical team supporting the patient and secure with the Patient Safety Strap (FF).
13. Insert the Tibia Support Upright (L) into the center notch located in the middle of the Center Support Board.
14. Attach the Tibia Counter-Traction Post (M) to the Tibia Support Upright and reposition the patient on the table. Readjust and secure the Patient Safety Strap as appropriate.
15. Install the Accessory Clamp (AA) on the Radiolucent Auxiliary Leg Spar and insert the Leg Spar Upright (CC) medially. Install the Traction Unit (P-1) on the Leg Spar Upright with the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot (R or S), attached.
16. Place the patient's foot on the non-operative leg into the Traction Boot (P-2), or Traction Foot Plate (P-2) and Soft Traction Boot, attached to the Radiolucent Auxiliary Leg Spar. Pad and secure the patient's foot.
17. Place the patient's operative foot on the Traction Foot Plate attached to the Tibia Traction Upright. Pad and secure the patient's foot.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
19. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
20. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
21. Trial position the C-arm.
22. Prepare the patient.



CAUTION: It is important that the Tibia Counter-Traction Post be placed against the distal femur, 2-3" proximal to the popliteal fossa. Placement of the post into the fossa may result in a potential neurological or circulatory injury.



Figure 77: Patient Positioned for a Right IM Tibial Nailing (Using Radiolucent Auxiliary Leg Spar with Traction Boot)

8.2.1 Parts for Patient Positioning for IM Tibial Nailing Using Radiolucent Auxiliary Leg Spar with Traction Boot

AA Accessory Clamp (2) 	**Y** Tibia Traction Upright 	**P-1** Traction Unit 
P-2 Traction Foot Plate (1 or 2) 	**FF** Patient Safety Strap 	**F** Center Support Board 

O Radiolucent Auxiliary Leg Spar 	**L** Tibia Support Upright 	**M** Tibia Counter-Traction Post 
CC Leg Spar Upright 	**P-1** Traction Unit 	**P-2** Traction Boot, Large or Small 
R or S Soft Traction Boot, Large or Small 	**XX** Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 
YY Clark Socket (*Optional*) 	**SS** Cross Arm Support (*Optional*) 	

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

8.3 IM Tibial Nailing Using Radiolucent Auxiliary Leg Spar with Tibia Well Leg Support

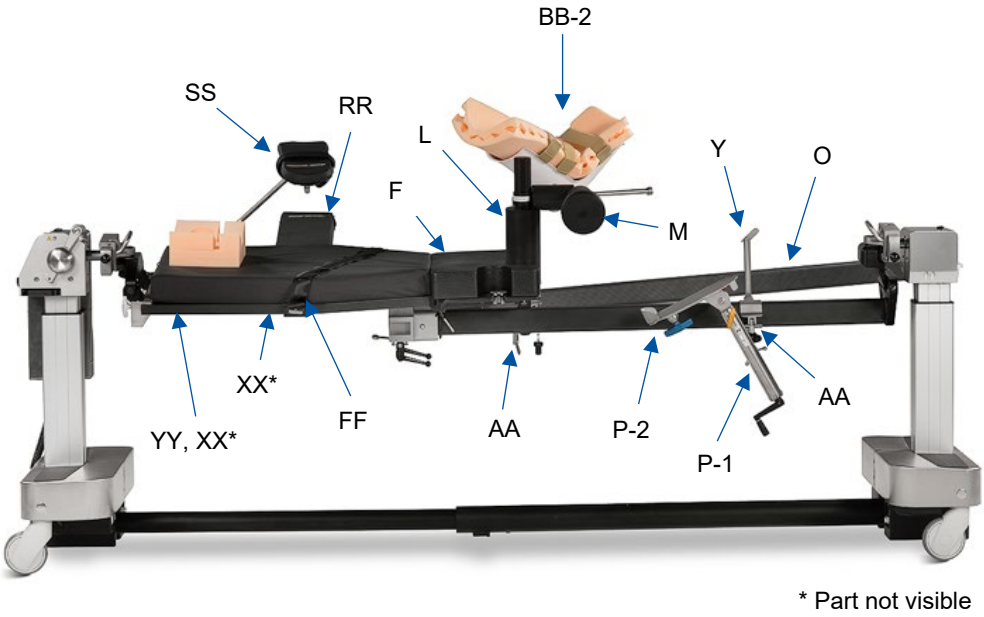


Figure 78: Table Setup for Right IM Tibial Nailing Procedure with Skin Traction (Using Radiolucent Auxiliary Leg Spar with Tibia Well Leg Support)

1. Ensure that the Floor Locks are locked and table casters do not rotate.
2. Install the Trios® Orthopedic Trauma Top. See Section 6.2.
3. Verify that the Level Indicator light is illuminated. See the NW0785 Trios® Table Base Owner's Manual for additional Base setup instructions.
4. Attach the Accessory Clamp (AA) to the Trios® Orthopedic Table Spar near the Foot-End with the receiver on the non-operative side of the table.

NOTE: *For additional details on attachment of various components, see Section 3.*

5. Insert the Tibia Traction Upright (Y) into the Accessory Clamp from the bottom with the Traction Unit Receiver facing the operative side of the table.
6. Attach the Traction Unit (P-1) to the Tibia Traction Upright.
7. Attach the Traction Foot Plate (P-2) to the Traction Unit.

NOTE: *The Traction Boot may not be used if an interlocking nail is to be inserted.*

8. Apply the Patient Safety Strap (FF).
9. Slide the Center Support Board (F) on the head section of the table and secure with the locking knob under the table top. Insert the Center Support Plug into the receiver hole at the distal end of the Center Support Board.
10. Install the Radiolucent Auxiliary Leg Spar (O) to the non-operative side of the table and lock into the mount.

NOTE: *Ensure the T-Handle on the Radiolucent Auxiliary Leg Spar is facing down.*

11. Verify that the table is level prior to transferring the patient.
12. Transfer the patient to the table in the supine position with the surgical team supporting the patient and secure with the Patient Safety Strap (FF).
13. Insert the Tibia Support Upright (L) into the center notch located in the middle of the Center Support Board.
14. Attach the Tibia Counter-Traction Post (M) to the Tibia Support Upright and reposition the patient on the table. Readjust and secure the Patient Safety Strap as appropriate.
15. Install the Accessory Clamp (AA) on the Radiolucent Auxiliary Leg Spar and insert the Tibia Well Leg Support (BB-2).
16. Place the patient's foot on the non-operative leg into the Boot Assembly on the Tibia Well Leg Support attached to the Radiolucent Auxiliary Leg Spar. Pad and secure the patient's foot.
17. Place the patient's operative foot on the Traction Foot Plate attached to the Tibia Traction Upright. Pad and secure the patient's foot.
18. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table. Install the Pivoting Arm Board (RR) on the Universal Side Rail Adapter.
19. Mount a Universal Side Rail Adapter (XX) on the non-operative side of the table at the Head-End. Mount a Clark Socket (YY) on the Universal Side Rail Adapter, and then place the Cross Arm Support (SS) in the Clark Socket and tighten the knob.
20. Pad and secure the patient's arms to the Cross Arm Support and Pivoting Arm Board.
21. Trial position the C-arm.
22. Prepare the patient.

CAUTION: It is important that the Tibia Counter-Traction Post be placed against the distal femur, 2-3" proximal to the popliteal fossa. Placement of the post into the fossa may result in a potential neurological or circulatory injury.



Figure 79: Patient Positioned for a Right IM Tibial Nailing
(Using Radiolucent Auxiliary Leg Spar with Tibia Well Leg Support)

8.3.1 Parts for Patient Positioning for IM Tibial Nailing Using Radiolucent Auxiliary Leg Spar with Tibia Well Leg Support

AA Accessory Clamp (2) 	**Y** Tibia Traction Upright 	**P-1** Traction Unit 
P-2 Traction Foot Plate 	**FF** Patient Safety Strap 	**F** Center Support Board 

O Radiolucent Auxiliary Leg Spar 	**L** Tibia Support Upright 	**M** Tibia Counter-Traction Post 
BB-2 Tibia Well Leg Support 	**XX** Universal Side Rail Adapter (2) 	**RR** Pivoting Arm Board (*Optional*) 
YY Clark Socket (*Optional*) 	**SS** Cross Arm Support (*Optional*) 	

NOTE: *See Section 5 for more information on standard components. See Section 9 for more information on optional accessories.*

9 Optional Accessories

9.1 Trios® Orthopedic Trauma Top Optional Accessories

Many optional accessories are available for use on the Trios® Orthopedic Trauma Top.

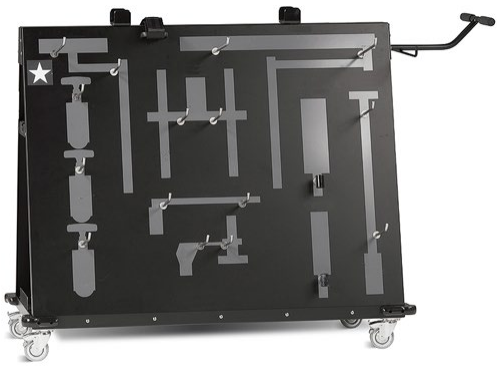
To place an order for standard components or optional accessories, contact Mizuho OSI Sales Operations at 1-800-777-4674 within the USA or +1-510-429-1500 outside the USA. At the prompt, select Option 1.

NOTE: *These devices are intended for use by trained personnel. Prior to set-up and use of the Trios® Orthopedic Trauma Top, the Trios® Table Base, and any of the optional accessories available, ensure personnel have been trained. To schedule an in-service, please contact your domestic Mizuho OSI sales representative or call 1-800-777-4674 within the USA or +1-510-429-1500 outside the USA.*

NOTE: *Only Mizuho OSI accessories have been tested and approved for use with the Trios® Orthopedic Trauma Top. Other manufacturers' products have not been tested for proper performance when used with the Base and Trios® Orthopedic Trauma Top, and therefore are not endorsed for use by Mizuho OSI. Use of other manufacturers' products may void the warranty.*

WARNING: Use of components not manufactured by Mizuho OSI may result in harm to the patient, the table top, the device or the healthcare professional.

REF 7855-500 Trios® Orthopedic Equipment Cart



The Trios® Orthopedic Equipment Cart may be used to store the Trios® Orthopedic Trauma Top components and accessories when not in use. The Equipment Cart Cover provided with the Cart serves as a dust cover and should be used while the products are in storage.

REF 7803-500 Trios® Equipment Cart



The Trios® Equipment Cart may be used to store the Trios® Orthopedic Trauma Top as shown.

REF 5855-865 Traction Boot, Extra-Large Pair



The Traction Boot is one option available to secure the patient's foot to the Traction Unit for procedures requiring traction. The optional Extra-Large size is available for use on patients where the standard sizes do not fit.

The standard black boot liners can be replaced. In addition, disposable boot liners are available. (See Section 5.2 for ordering information.)

(a) REF FE00388 Boot Liners, Extra-Large Pair
(b) REF 5855-441 Blue Handle

SS REF 5857 Cross Arm Support with Pad



The Cross-Arm Support may be mounted onto the Trios® Orthopedic Trauma Top with a Universal Side Rail Adapter and Clark Socket to support the patient's arm over his or her chest. This accessory comes with a one inch (2.5 cm) Tempur-Pedic® Medical Pad.

(a) REF 5855-402 Knob Assembly
(b) REF 5857-7000 Cross Arm Pad Assembly

RR REF 5356 Pivoting Arm Board with Tempur-Pedic® Medical Pad



(a) REF 5356-7000 Arm Board Tempur-Pedic® Medical Pad, 2-inch
(b) REF 5362-6 Pivoting Arm Board without Pad

The Pivoting Arm Board may be mounted onto the Trios® Orthopedic Trauma Top with a Universal Side Rail Adapter to provide support for a patient's arm. The Pivoting Arm Board provides 0 to 180 degrees of adjustment and is available with a 2 inch (5.1 cm) Tempur-Pedic® Medical Pad.

YY REF 5393 Clark Socket



The Clark Socket attaches to the Universal Side Rail Adapter to facilitate attachment of additional accessories, including the Cross Arm Support.

REF 6977-973 Universal Side Rail Adapter, Long



The Long Universal Side Rail Adapter attaches to the carbon fiber rails of the Trios® Orthopedic Trauma Top. It provides 18 inches (45.7 cm) of side rail for mounting multiple accessories.

REF 5300-2 Shoulder and Sacral Lateral Positioner Assembly



This assembly consists of two (2) Rectangular Pads that can be placed at the scapula and sacrum to support the patient in the lateral position.

Two (2) Aluminum Side Rail Sockets and two (2) Universal Side Rail Adapters are required to mount the Lateral Positioners to the Trios® Orthopedic Trauma Top.

REF 5394 Aluminum Side Rail Socket



The Aluminum Side Rail Socket attaches to the Universal Side Rail Adapter to facilitate attachment of additional accessories, including the Lateral Positioners.

REF **10706 Orange Aid® Universal Traction Boot Liner** 	This reusable Traction Boot liner may be used with all sizes of Traction Boots available with this table. The liner helps cushion the patient's foot when inside the Traction Boot.
REF **10704 Orange Aid® Universal Perineal Post Pad** 	This reusable 11" x 9" x 3/8" pad helps prevent potential pressure complications when used with perineal posts available for this table.

9.2 Use and Installation

9.2.1 Pivoting Arm Board

To install the Pivoting Arm Board:

1. Install a Universal Side Rail Adapter as described in Section 3.6.
2. Hold the locking lever of the Pivoting Arm Board at the base of the bracket in the open position and over the edge of the Universal Side Rail Adapter (Figure 80).



Figure 80: Locking Lever in Open Position

3. Lower the Arm Board into place and release the locking lever.
4. To pivot, release the latch by pulling the lever at the distal end of the board, and pivot the Arm Board to the desired position (Figure 81).



Figure 81: Pivoting Arm Board Mounted with Universal Side Rail Adapter

9.2.2 Cross-Arm Support

To install the Cross-Arm Support:

1. Install a Universal Side Rail Adapter as discussed in Section 3.6.
2. Mount a Clark Socket on the Universal Side Rail Adapter.
3. Place the Cross Arm Support upright in the Clark Socket. Turn the Clark Socket handle clockwise to secure the Cross Arm Support (Figure 82).



Figure 82: Cross Arm Support Mounted with Universal Side Rail Adapter and Clark Socket

4. Position the Cross Arm Support over, but not in contact with, the patient's chest.
5. Pad and secure the patient's arm to the Cross Arm Support.

9.2.3 Lateral Positioners

To install the Shoulder and Sacral Lateral Positioners:

1. Install a Universal Side Rail Adapter as discussed in Section 3.6.
2. Mount an Aluminum Side Rail Socket on the Universal Side Rail Adapter.
3. Place the Lateral Positioner upright in the Aluminum Side Rail Socket. Turn the Aluminum Side Rail Socket handle clockwise to secure the Lateral Positioner (Figure 83).



Figure 83: Lateral Positioner Mounted with Universal Side Rail Adapter and Aluminum Side Rail Socket

9.3 Trios® Orthopedic Equipment Cart

The optional Trios® Orthopedic Equipment Cart may be used to store the Trios® Orthopedic Trauma Top components and accessories when not in use. The Equipment Cart Cover provided with the Cart serves as a dust cover and should be used while the products are in storage.



Figure 84: Equipment Cart, Front and Back (Empty)



Figure 85: Equipment Cart, Front and Back (Loaded)

10 Cleaning, Storage, and Maintenance

10.1 Cleaning and Disinfecting

NOTE: *Clean and disinfect the Trios® Orthopedic Trauma Top after each use.*

10.1.1 Trios® Table Top

The Trios® Orthopedic Trauma Top should be regularly wiped clean with a mild detergent solution using a damp cloth that has been squeezed of liquid, and then wiped dry with a soft lint-free cloth.

Care should be taken to avoid exposing the table to excessive moisture. Flooding, fogging, or steam cleaning is not recommended.

⚠ CAUTION: Never pour any liquid directly onto the Trios® Orthopedic Trauma Top. Never subject the Trios® Orthopedic Trauma Top to an equipment washing machine.

Blood or other fluids, etc., if allowed to remain on the Trios® Orthopedic Trauma Top for a long period of time, will require special cleaning to remove.

NOTE: *Use of iodophors will cause staining.*

To remove staining or discoloration of plated or stainless steel surfaces, clean with a commercial cleaning compound labeled for stainless steel and then buff the surface by hand.

To disinfect exterior surfaces, use a quaternary ammonium disinfectant compound according to manufacturer's directions for use. Wipe dry with a soft lint-free cloth.

NOTE: *Failure to dry the surface thoroughly after cleaning and disinfecting may result in rust or damage to the surface of the device.*

10.1.2 Mizuho OSI Tempur-Pedic® Medical Pads

NOTE: *The Mizuho OSI Tempur-Pedic® Medical Pads should always be stored in a flat position. The pads can become stiff in cold temperatures and can crack and break if in a rolled position. It is important that you allow the pads to warm to room temperature before attempting to use or handle. In accordance with AORN recommendations, it is important to limit skin exposures to lower ambient temperatures, protect the patient by initiating passive warming interventions (e.g. applied forced-air warming systems, blankets, drapes and reflective composites), and to maintain an ambient room temperature of 20° to 25°C.*

When handling a Tempur-Pedic® Medical Pad, always grasp by the entire thickness of the pad.

⚠ CAUTION: DO NOT lift, slide, or carry Mizuho OSI Tempur-Pedic® Medical Pads by grabbing the fabric cover. The cover may tear or rip.

The pads are intended to be cleaned in place. They do not need to be rotated or removed.

Clean with standard hospital disinfectants labeled for use on table pads. Always dilute and rinse per manufacturer's label instructions. Wipe dry with a lint free cloth. DO NOT soak or autoclave the pads.

NOTE: *The use of bleach or highly concentrated chemicals may discolor the cover and will void the warranty on the pad.*

When cleaning the bottom of the pad or the table top, simply lift one end of the pad, and fold it over onto the other end. Clean the pad or the table top, wipe dry with a lint free cloth then reposition the pad to flat on the table top.

10.2 Storage

When not in use, the Trios® Orthopedic Trauma Top should be stored in a clean, dry environment.

The following conditions are required of the shipping and/or storage environment:

- Ambient temperature -4°F (-20°C) to + 122°F (50°C).
- Relative humidity from 10% to 95%, non-condensing.
- Atmospheric pressure from 75 to 105 kPa.

When in storage, the table cover provided serves as a dust cover and should be used.

10.3 Maintenance

Cleaning the table surfaces and table pad after each use will assure many years of trouble-free service. All components are lubricated for life at the factory and no other lubrication of the table top is required.

Preventative Maintenance:
Contact Mizuho OSI Service for a complete preventative maintenance checklist.

For detailed repair information or to order replacement parts, call, or contact via the web, Mizuho OSI Service:

1-800-777-4674, Option 2 (for calls within the USA)

+1-510-429-1500, Option 2 (for calls outside the USA)

+1-510-429-8324 (Fax)

service@mizuhosi.com

www.mizuhosi.com

Mizuho OSI Service is available from 5 AM to 5 PM Pacific Time, Monday through Friday. Please leave a message at extension 2 after normal business hours.

11 Technical Support

11.1 Contact for Parts and Service

For detailed repair information or to order replacement parts, call Mizuho OSI Service at **1-800-777-4674** for calls within the USA or **+1-510-429-1500** for calls outside the USA. At the prompt, select Option 2.

A Service line is available from 5 AM to 5 PM Pacific Time, Monday through Friday. After business hours, please leave a message.

Please state slowly your name, phone number, your facility name and city, affected equipment model number, and serial number.

An email message may be left anytime at **service@mizuhosi.com** or through the web site: **www.mizuhosi.com.**

11.2 Order Replacement Parts

If unable to identify a part, please telephone, fax, or e-mail Mizuho OSI Service before placing an order. Once the part number is obtained, follow the instructions below to order the replacement part.

If part is known, please telephone, fax, or e-mail Mizuho OSI Service with the part number and description for price and availability.

To place a Replacement Parts (RP) order, please telephone, fax or e-mail Mizuho OSI Service with the part number, description, price, customer number and method of shipment with the purchase order. Indicate that the order is for Replacement Parts (RP).

11.3 Return Damaged Parts

Identify the part or part number to be returned.

Telephone, fax, or e-mail Mizuho OSI Service with the part number and description of the part for return to obtain a Return Goods Authorization (RGA) number.

Complete the Certificate of Decontamination provided by Mizuho OSI Service.

Return the part with RGA number clearly marked on the outside of the package, and include the Certification of Decontamination with the shipment.

11.4 Send a Part for Repair

If unable to identify a part, please telephone, fax, or e-mail Mizuho OSI Service for assistance.

If the part number is known, please telephone, fax, or e-mail Mizuho OSI Service with the part number and description of the problem to obtain a Repair Authorization (RA) number.

Clean/disinfect parts prior to shipping and complete the Certificate of Decontamination provided by Mizuho OSI Service.

Ship the part with the RA number clearly marked on the outside of the package, and include the Certificate of Decontamination with the shipment.

The part will be evaluated and the customer will be contacted with the cost of repair, if not covered under table warranty.

After customer approval of repair cost, the part will be repaired and returned to the customer.

11.5 Warranty

Mizuho OSI comes with a one (1) year warranty against manufacturer defect. All expenses for parts and labor for product service calls are covered free of charge for the warranty period, except those products that are misused, altered, or damaged. All Tempur-Pedic® Medical Pads come with a two (2) year warranty against manufacturer defect. Defective merchandise will be credited or replaced.