Hana®

Left and Right Radiolucent Lift-Assisted Spars

Owner's Manual Addendum for REF 6875

Available Translations:

- English (en)
- French (fr)
- Multilingual (ml)

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REF 6875-3700, 6875-3900

NW0508-2 Rev A
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1 Important Notices

This manual addendum details the correct use of the REF 6875-3700 and 6875-3900 Hana® Left and Right Radiolucent Lift-Assisted Spars or REF 6875-370 and 6875-390 Hana® Left and Right Leg Spars retrofitted with the Spar Lift Assist. It also outlines component configuration changes to the REF 6875 that have occurred with the addition of the REF 6875-3700 and 6875-3900 Hana® Left and Right Radiolucent Lift-Assisted Spars. It is a supplement to the NW0508 Hana® Orthopedic Surgery Table Owner's Manual. A thorough understanding of that manual and this manual addendum is required prior to using the Hana® Left and Right Radiolucent Lift-Assisted Spars with the Hana® Orthopedic Surgery Table.

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

Carefully observe and comply with all warnings, cautions, and instructions placed on the equipment or described in this manual.

NOTE: *This device is intended for use by trained personnel only. To schedule an in-service, please contact your local 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 in this manual addendum and on the equipment:

Table 1: Symbols and their Meanings

Symbol	Meaning
NOTE:	This symbol indicates a comment or instruction of importance.
	This CAUTION symbol indicates a potentially hazardous situation, which if not avoided could result in minor or moderate injury.
	This WARNING symbol indicates a potentially hazardous situation, which if not avoided could result in serious injury or death.
REF	This symbol indicates a product number.
	This symbol indicates a potential Pinch Point hazard.

Table 1: Symbols and their Meanings ***(Continued)***

Symbol	Meaning
	This symbol indicates the Red Zone. Use a Traction Hook Extender as needed to keep the Traction Brake Cover from entering this zone.
	This symbol indicates rotate counterclockwise to unlock and rotate clockwise to lock.
	This symbol indicates Foot Rotation Lock. Rotate counterclockwise to unlock and rotate clockwise to lock.
	This symbol indicates Gross Traction knob.

WARNING: Before and after each use, inspect the table, 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.

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.

WARNING: The Hana® Table 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: 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: When using the Hana® Left and Right Radiolucent Lift-Assisted Spars or Leg Spars retrofitted with the Lift Assist, always install disposable Leg Spar Ball Joint Protectors. Failure to do so may damage the ball joints on the Spars and will void the warranty on the Spars.

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.

CAUTION: No modification of the Hana® Table or its 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 workers.

2 Basic Operation

2.1 General Description

The Mizuho OSI Hana® Lift-Assisted Spars, REF 6875-3900 (Left) and REF 6875-3700 (Right), are compatible for use with the REF 6875 only. The lift assist feature supports the weight of the leg spars, making them easier to manipulate during surgery. The Hana® Radiolucent Leg Spar design is otherwise unchanged, providing the same range of motion and functionality for traction, abduction, adduction, and raising or lowering of the leg.

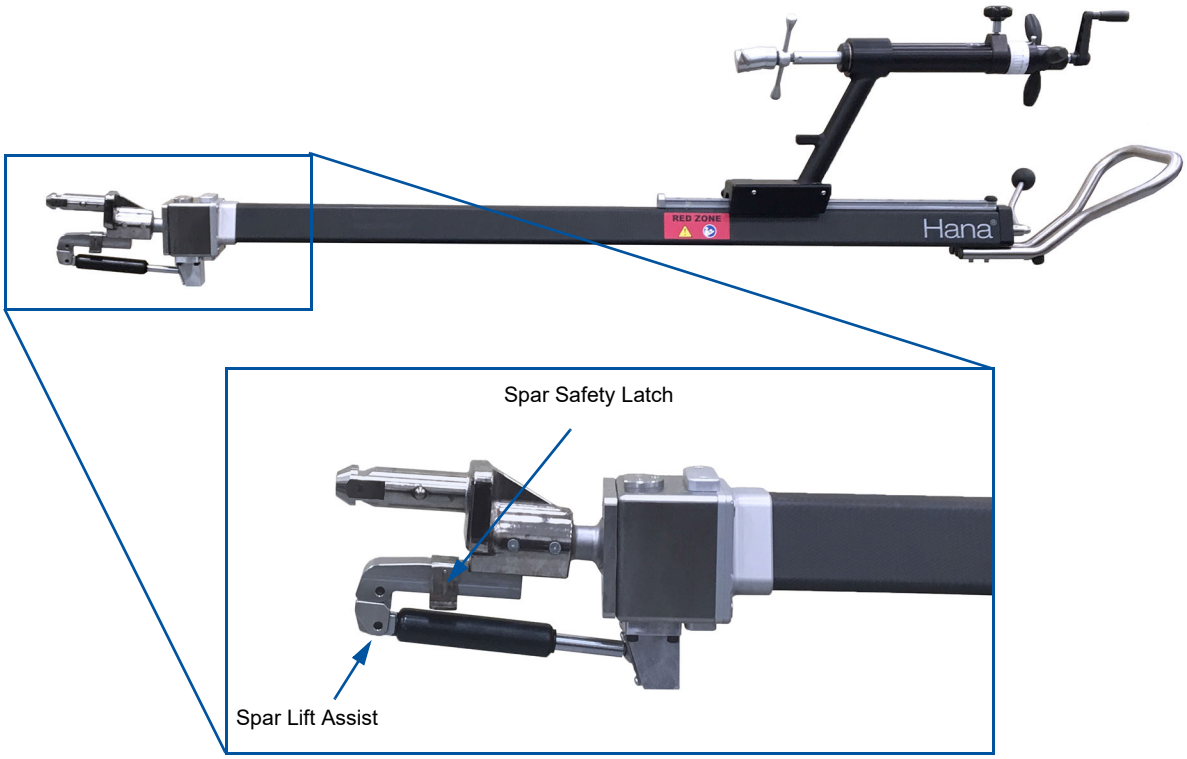


Figure 1: Hana® Radiolucent Lift-Assisted Spar

NOTE: *Installation of the REF 6875-3702F upgrade kit provides equivalent lift assist functionality to existing REF 6875-390 and REF 6875-370 Hana® Left and Right Radiolucent Leg Spars. Information on spar use provided in this document applies to the new spars and the retrofitted spars for the REF 6875.*

2.2 Installing and Removing the Lift-Assisted Spars

Just as with the previous design, perform the following tasks before installing or removing the Lift-Assisted Spars:

- Lock the Table Casters.
- Raise the height of the table to improve access to the Spar Mount.
- Ensure that the Spar Locking Knob is in the unlocked position by turning the knob counter-clockwise.
- Ensure the Spar Lock Handle is in the locked position.

With the new Lift Assist mechanism, the Spar will not immediately drop if the Spar Lock Handle is not locked after being positioned. If there is sufficient weight on the Spar (such as when patient is secured to the Spar), the Spar will gradually lower towards the floor. If there is little to no weight on the Spar, it will gradually return to a level position. Always verify the position of the Spar Lock Handle to confirm that the Spar is locked in the desired position (Figure 2) when installing or removing the Lift-Assisted Spar.

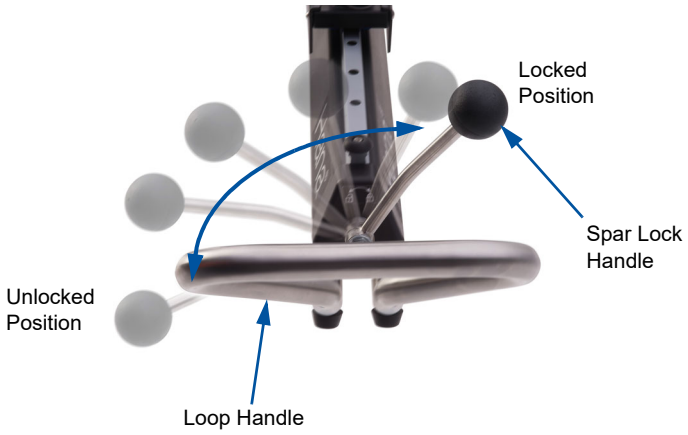


Figure 2: Spar Lock Handle on Hana® Spar Lift Assist

The installation process, which requires two people, is the same. However, when removing the Spar from the table, raise the new Spar Safety Latch (Figure 3). This latch raises the Safety Latch on the table, releasing the Spar for removal.

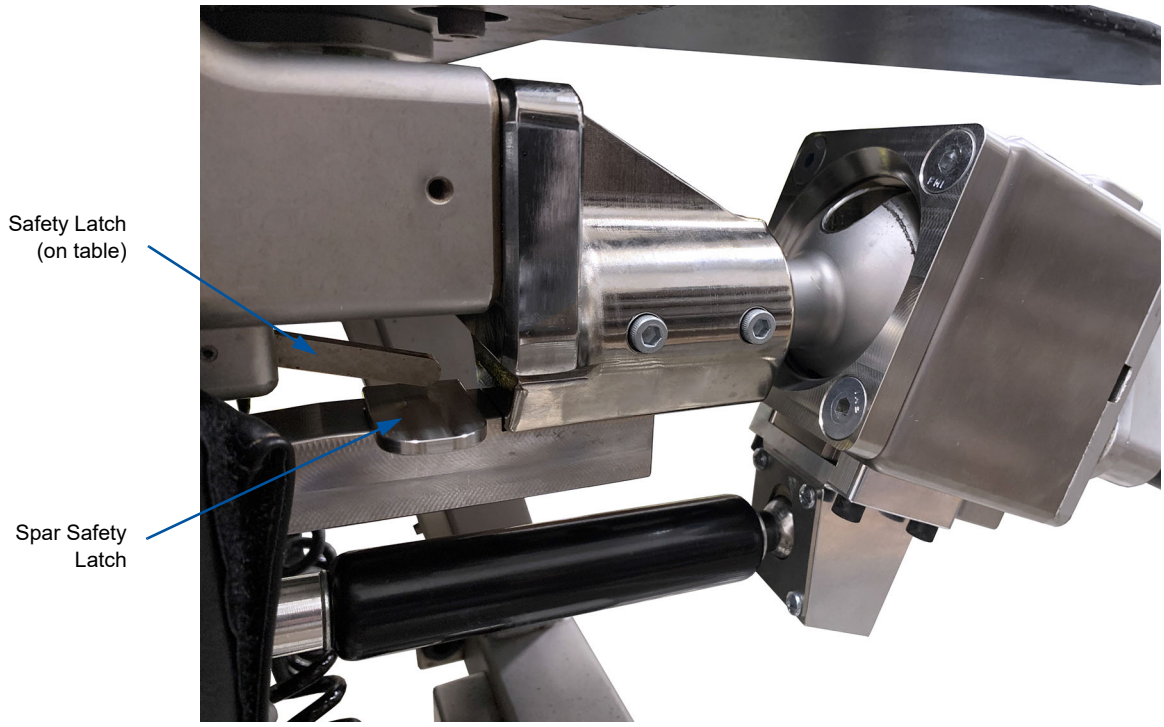


Figure 3: Spar Safety Latch

2.3 Patient Transfer

Prior to transferring the patient to the Hana® Table and securing to the Lift-Assisted Spars, ensure that the Spar Lock Handle is in its locked position (Figure 2).

WARNING: Always verify that the Spar Lock Handle is in the locked position before transferring a patient to the Hana® Table or securing a patient to the Hana® Lift-Assisted Spars. Failure to lock the Spar Lock Handle can cause the Lift-Assisted Spar to drop when not held in place, which could result in damage to the table, possible injury to the patient, or harm to the healthcare professionals.

2.4 Adjusting the Position of the Lift-Assisted Spar

All positioning adjustments using the Hana® Lift-Assisted Spars are unchanged from the previous Leg Spar design. Refer to NW0508 Hana® Orthopedic Surgery Table Owner's Manual for information on adjusting traction, adduction, abduction, and height.

As with the previous design, when repositioning the Spar after patient transfer, hold the Leg Spar with one hand by the Loop Handle while the Spar Lock Handle is unlocked.

WARNING: Adjusting Leg Spar position can affect traction. Release the Gross Traction Knob while adjusting the Leg Spar position.

2.5 Storage

The Hana® Lift-Assisted Spars may be stored on the Hana® Equipment Cart when not in use, in the same position as previous spar configuration. Always store the Lift-Assisted Spars with the Spar Lock Handle in the locked position (Figure 2) to ensure the Spar maintains a level position for future installation. If not locked, the proximal end of the spar will gradually raise until maximum angle is reached, making it more difficult to install the Spar on the table in the future.

3 Component and Accessory Changes

For the REF 6875 Hana® Table configured with the REF 6875-3700 and REF 6875-3900 Hana® Left and Right Lift-Assisted Spars, they replace the Left and Right Radiolucent Leg Spars (REF 6875-390 and REF 6875-370). In addition, the items in Table 2 are no longer standard components with the REF 6875 Hana; they are now optional accessories that are available for separate purchase.

Table 2: Optional Accessories for REF 6875 Hana®

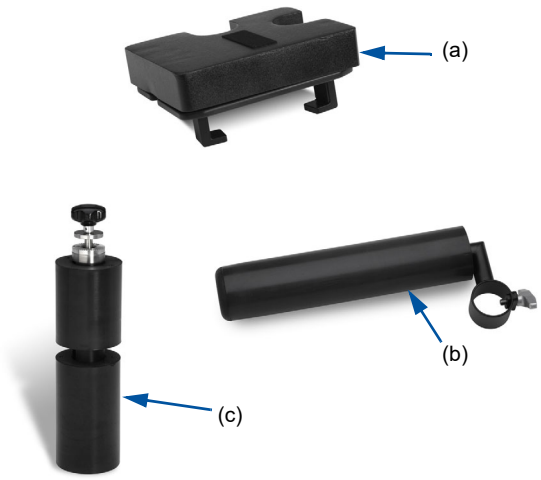
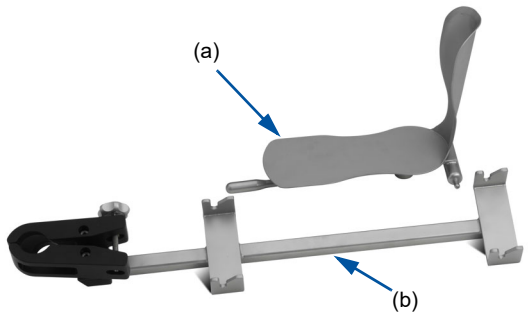
Accessory	Description
REF 6875-250 Lateral Perineal Post and Board  **(a) REF 5855-309 Lateral Pad Assembly** **(b) REF 5855-137 Lateral Perineal Post Assembly** **(c) REF 5855-242 Ilium Post Assembly**	The Lateral Perineal Post provides counter-traction when the patient is in the lateral decubitus position. The padded board supports the patient's pelvis when in the lateral decubitus position on the Hana® Table.

Table 2: Optional Accessories for REF 6875 Hana® *(Continued)*

Accessory	Description
REF 6875-230 Hana® Knee Flexion System®  **(a) REF 6875-209 Knee Flexion Footplate Assembly** **(b) REF 6875-208 Knee Flexion Base Assembly**	The Hana® Knee Flexion System® is designed to mount on the operative Leg Spar to support and position the leg as needed during Total Knee Arthroplasty (TKA). It allows for full flexion/extension of the leg and knee as well as internal/external rotation of the foot.

NOTE: *The above component and accessory changes apply to the REF 6875 only; the REF 6875I and REF 6875J configurations remain as described in the NW0508 Hana Orthopedic Surgery Table Owner's Manual.*