



positioning
patients for life.®

INSTALLATION MANUAL

RT-4550SS4 & RT-4550KVSS4

QUANTUM CT Overlay & kVue CT Overlay—
Siemens CT Scanner



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GENERAL PRECAUTIONS

WARNING STATEMENTS

! WARNING ! NO MODIFICATION OF THIS EQUIPMENT IS ALLOWED. IF ANY PART OF THIS DEVICE EXPERIENCES A CATASTROPHIC LOAD, APPEARS DAMAGED OR FUNCTIONS IMPROPERLY, DISCONTINUE USE IMMEDIATELY AND CONTACT QFIX AT +1 484-720-6054 OR TECHSUPPORT@QFIX.COM.

ADDITIONAL WARNINGS

- Do not exceed pedestal manufacturer's load rating.
- Maximum patient weight of 204 kg (449 lb) or pedestal load rating, whichever is less.
- Pinch points may exist and are indicated on CT Overlay.
- Attention is necessary when moving the cradle and CT Insert into the Gantry Bore to ensure that pinch point risk to hands and fingers are avoided.
- Use of this product in a manner not specified in the User Manual or Installation Manual may be unsafe and is not recommended.
- Use of unapproved devices or attachments may be unsafe and is not recommended.

GENERAL PRECAUTIONS

WARNING LABELS & DESCRIPTIONS

Refer to Qfix.com for a listing of symbols and their definitions.



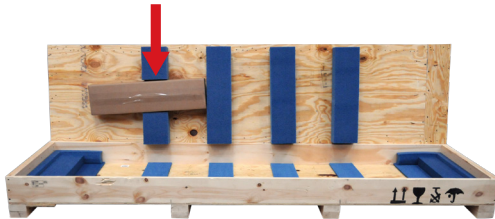
LOAD RATING

DO NOT exceed 204 kg (449 lb) uniformly distributed load.



PINCH POINTS

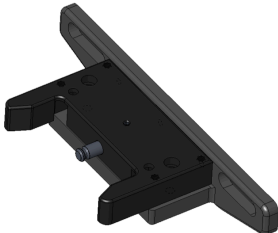



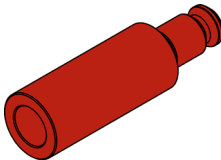




Pinch points may exist and are indicated by this symbol.



Hardware kit for CT is located in a cardboard box in the lid of the crate, indicated by the photo on the left.

INSTALLATION

PARTS PROVIDED

 <p>(1) Rear mounting block</p>	 <p>(1) 1/8" Hex Key</p>
 <p>(1) Qfix Locating Bar</p>	 <p>(1) 3/16" Hex Key</p>
 <p>(1) Alignment pin</p>	 <p>(1) 5 mm Hex Key</p>
 <p>(4) M6 toothed washer</p>	 <p>(1) 6 mm Hex Key</p>
 <p>(4) M6 x14 mm socket head cap screw</p>	

INSTALLATION

INSTALLATION INSTRUCTIONS

1. Remove all components from packaging and inspect for damage.
2. Locate the rear mounting block.
3. Attach the rear mounting block to the CT cradle using the 4 M6 Socket Head Cap screws and the 4 M6 toothed washers (Fig 1 & 2).

! NOTE ! Ensure that the rear mounting block is centered on the CT cradle. Adjustments can be made by loosening the (4) M6 socket head cap screws and sliding left or right.



Fig. 1

M6 toothed washer M6 x14 mm socket head cap screw

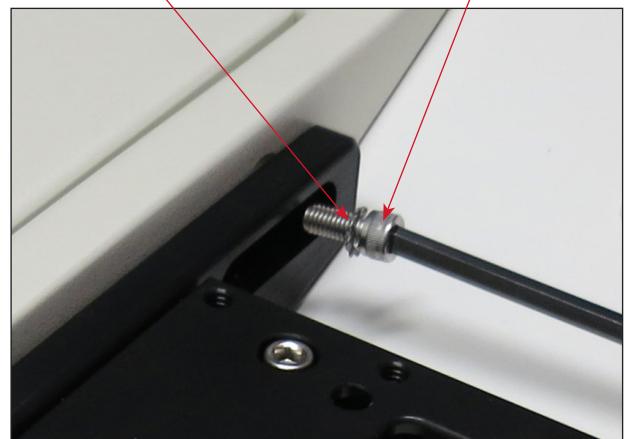


Fig. 2

INSTALLATION

ADJUST HEIGHT OF THE FOOT END MOUNTING BLOCK

The objective of the next steps is to verify that the Red Alignment Pin, inserted on the CT cradle, can slide freely onto the Foot Latch Mounting Block without binding (Fig. 3).

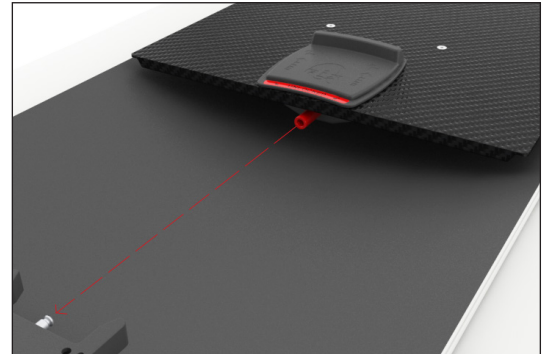


Fig. 3

4. Push the male end of the red Alignment Pin into the socket in the block on the underside of the CT Overlay (Fig. 4) until the handle on the topside reads "LOCKED" (Fig. 5).



Fig. 4



Fig. 5

5. Place the CT Overlay on the CT cradle overhanging the head end by 3-4 inches (Fig. 6). Align the CT Overlay on the centerline of the CT cradle (Fig. 7).

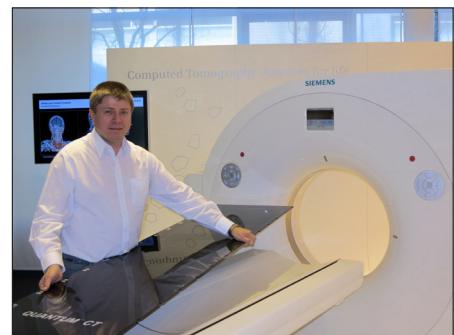


Fig. 6

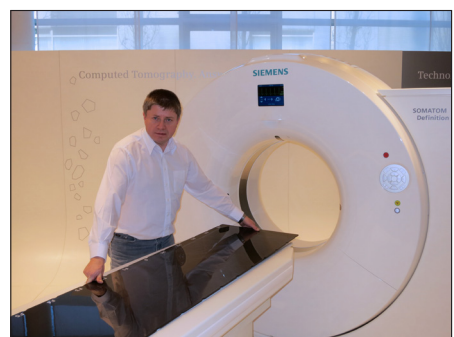
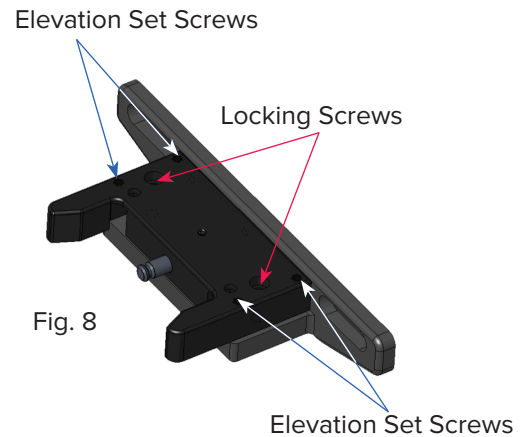


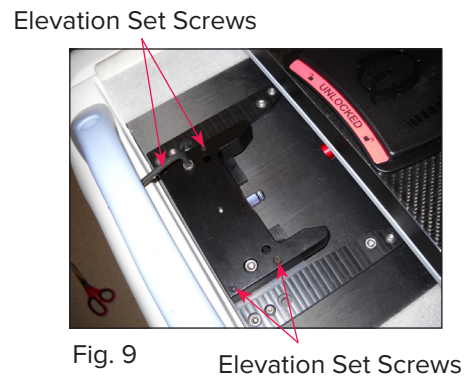
Fig. 7

INSTALLATION

6. Slide the CT Overlay towards the CT cradle foot end until the red Alignment Pin is close to the metal Pin on the Foot End Mounting Assembly. At this point, adjustment will be needed to allow the CT Overlay to engage the Foot Latch properly.
 - a. Begin by adjusting the height of the Foot Latch Mounting Block on the existing CT, by loosening the Locking Screws (2) ¼–20 (Fig. 8).



- b. Adjust the height of the Mounting Block using the (4) Elevation Set Screws (found on the mounting block) using the ⅛ in. Allen Wrench (provided) (Fig. 9).



- c. Adjust the Elevation Set Screws as needed then engage the Mounting Block Pin into the red Alignment Pin and re-tighten the Locking Screws while holding the Mounting Block parallel, from side to side, to the CT Overlay bottom.
 - d. Lock the Foot Latch Mounting Block by tightening the (2) ¼–20 x 1 Locking Screws using ⅜ in. Allen wrench (provided).
 - e. Check that the Foot Latch Mounting Block is level as the screws are tightened. If longer bolts are needed, one set of longer ¼–20 Locking Screws are supplied.

INSTALLATION

7. Verify that the CT Overlay can be pushed on and off the Mounting Block Pin without binding by engaging and releasing the CT Overlay. Make sure the CT Overlay stays centered on the cradle while doing this. Verify that the Mounting Block Pin is parallel to the Alignment Pin and at the correct height.
 - a. (If the Alignment Pin is binding, you may adjust the tilt of the Mounting Block Pin by first loosening the Mounting Block Screws. Then equally adjust the two Elevation Set Screws up or down with the 1/8" Allen Key to change the tilt until level with the Alignment Pin and the CT cradle. Gently re-tighten the two Mounting Block Screws. (DO NOT OVERTIGHTEN). Go back to step 3.
8. Remove the red Alignment Pin from the CT Overlay by pulling back on the release handle in the direction indicated by the unlock symbols.
9. Slide the CT Overlay all the way towards the foot end until the handle confirms it is locked on. When green "LOCKED" shows and no red, it is locked on (Fig. 10).



Fig. 10

10. To remove, pull/push on the handle to unlock and continue to push the CT Overlay 3–4 in. away from the latch to verify it functions properly (Fig. 11).



Fig. 11

PBR10010

INSTALLATION

ADJUST HEAD END ALIGNMENT

11. Adjust the front mount tab by loosening the 2 plastic M8 socket head screws, using the 6 mm hex key, so that the tab goes into the CT mating slot. Once the tab is in the slot, push it up toward the top of the slot and retighten the screws (Fig. 12 & 13).

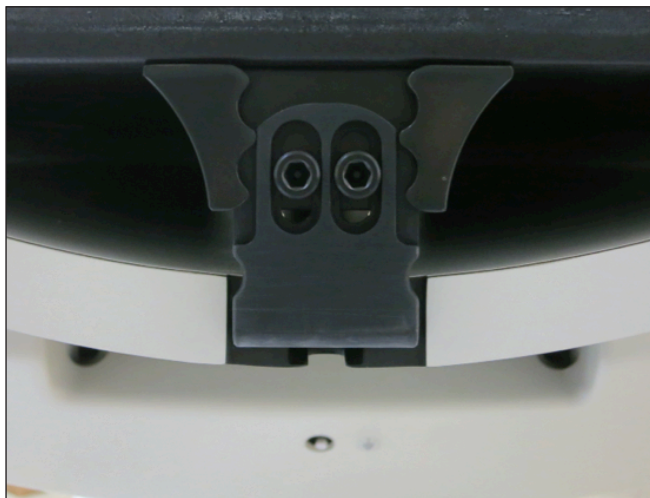


Fig. 12



Fig. 13

12. Ensure that the Overlay is straight. If adjustment is needed, the rear block may be adjusted by loosening the (4) M6 socket head cap screws and sliding the block left to right.



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