

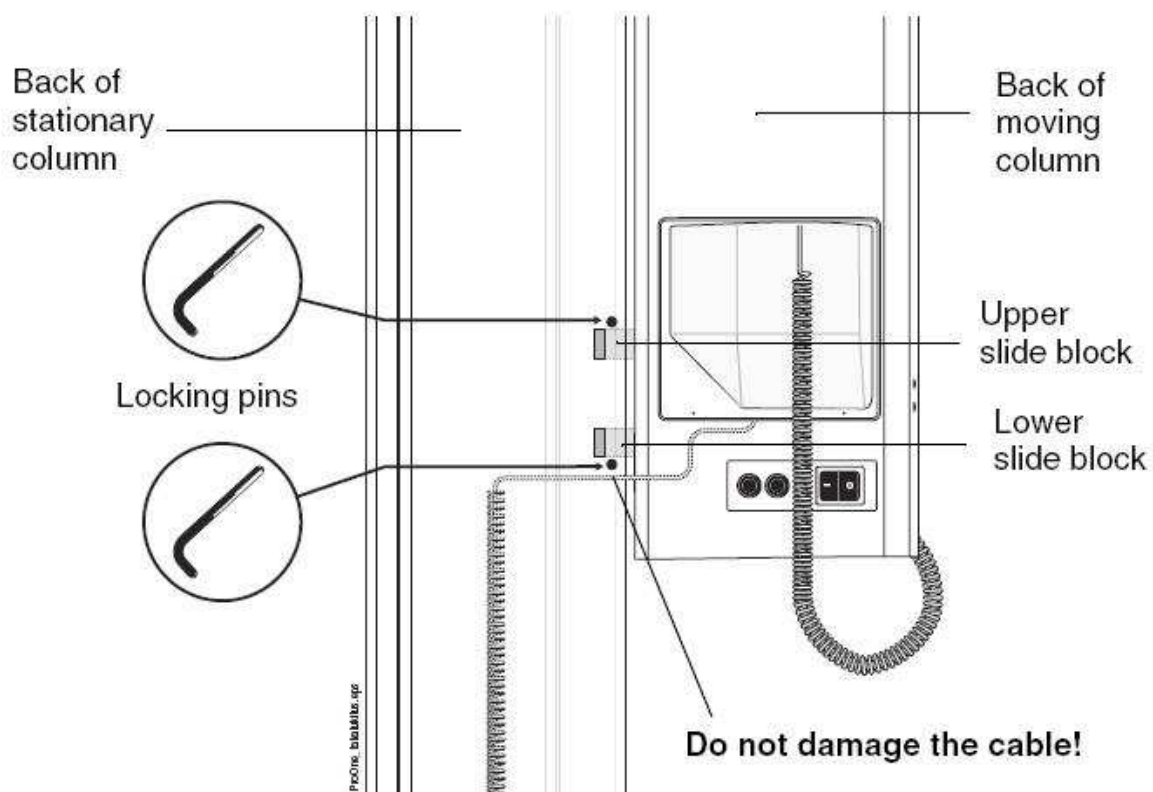
## ProOne Column Travel Adjustment

**Warning:** Care must be taken when replacing the lift motor. Removing parts of the lift motor assembly may enable the column to fall causing a dangerous situation and/or damage to the X-ray unit. The downward movement of the moving column must be eliminated before detaching any parts.

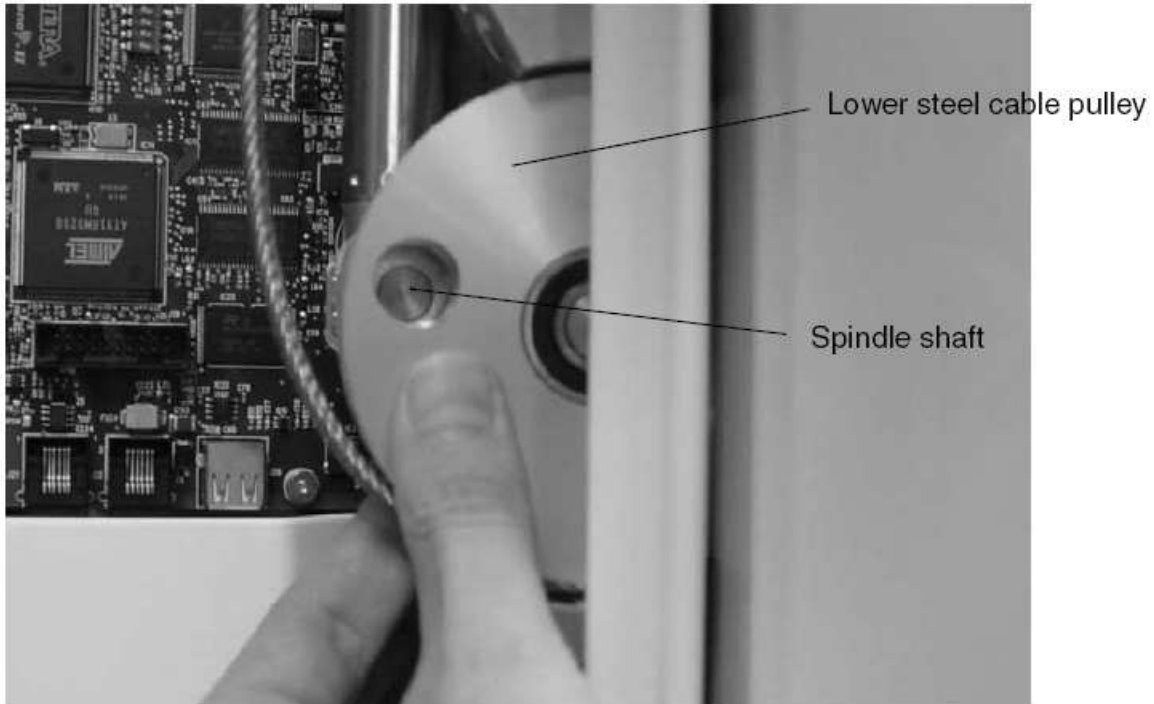
**Warning:** The X-ray unit contains live mains voltage parts. Always disconnect the X-ray unit from the outlet before carrying out any service work on the lift motor.

### Spindle Carriage Assembly Adjustment

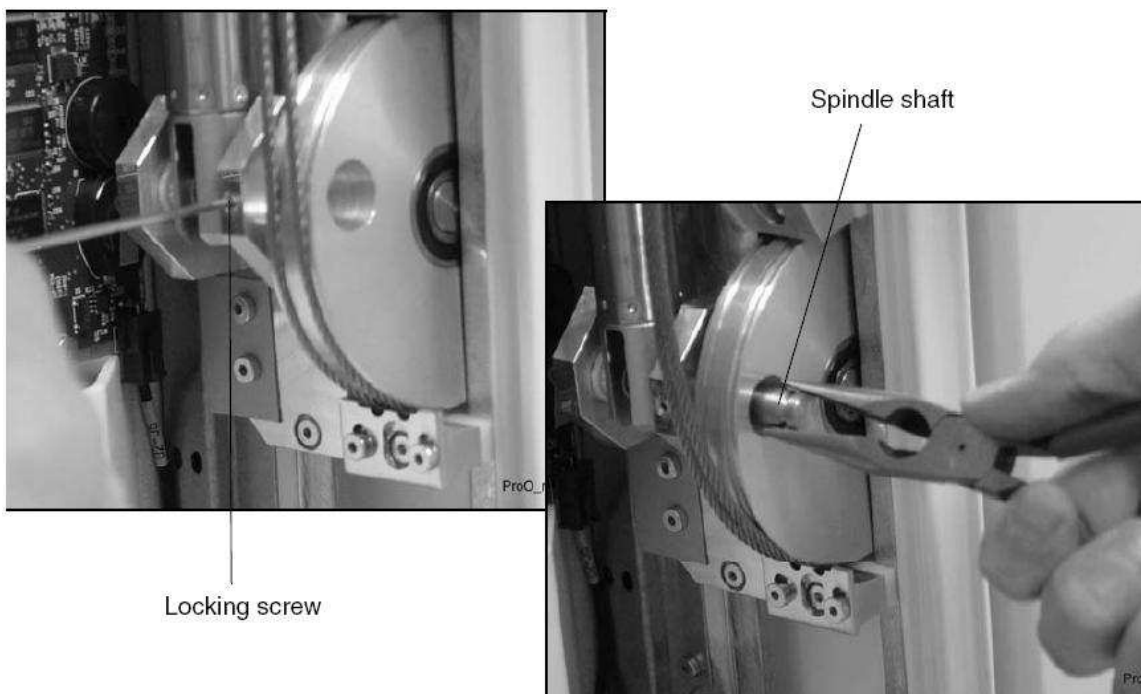
1. Lock the moving column into position by inserting two locking pins into the back of the column. Carefully drive the moving column up/down until the locking pin holes are in the correct position. Insert the locking pins into the holes.



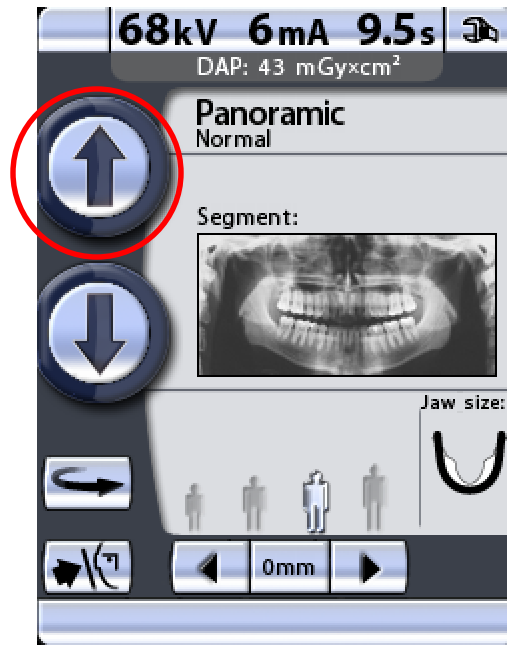
2. Open the column door. Then drive the lift motor down until the lift motor cables have slackened.
3. Turn the X-ray off.
4. Rotate the lower steel cable pulley until the pulley hole lines up with the spindle shaft.



5. Loosen the locking screw with a 2mm Allen to free the spindle shaft. Remove the shaft by firmly pushing it from the back and pulling it out from the front.



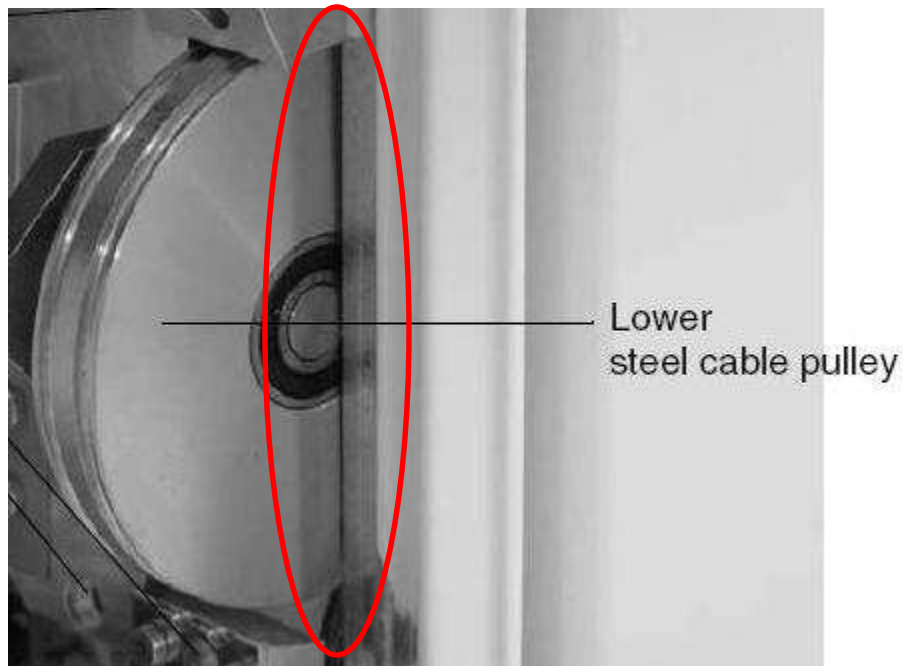
6. Turn the X-ray back on.
7. Use the height adjustment arrow to raise the lift motor shaft until it clears the spindle carriage assembly (see bottom picture).



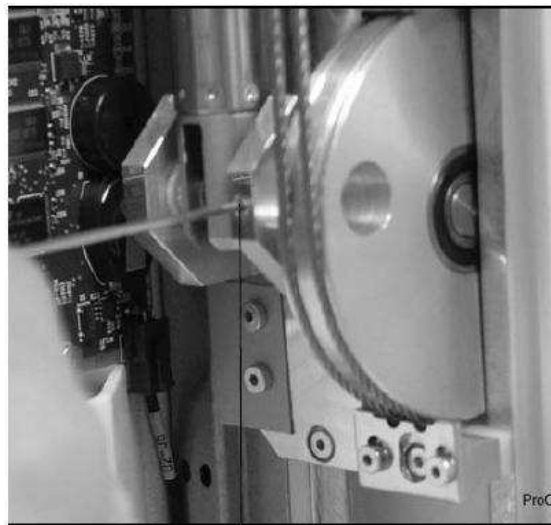
8. Turn the X-ray off.
9. Loosen the four screw of the spindle carriage assembly.



10. Adjust the spindle carriage assembly until the lower steel cable pulley and the column are evenly spaced. Then tighten the four screws.



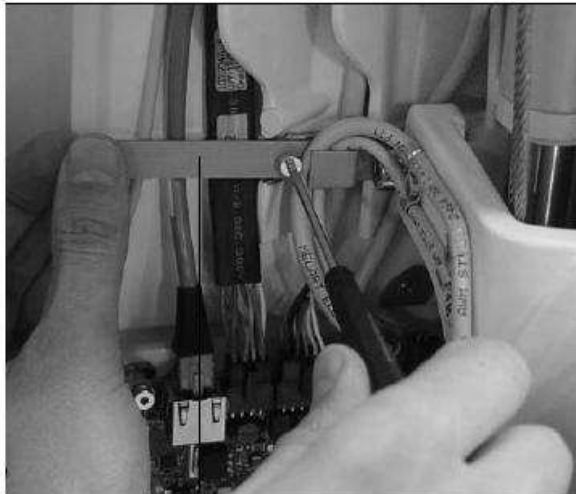
11. Turn the X-ray on.
12. Use the height adjustment arrow to lower the lift motor shaft until the spindle shaft can be inserted. Tighten the locking screw.



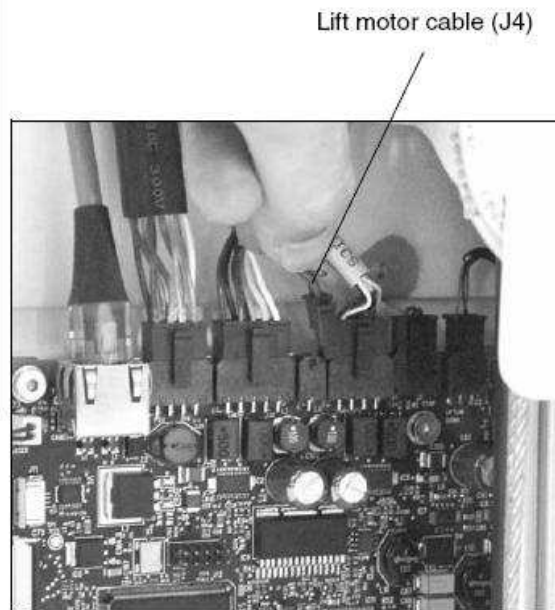
13. Use the height adjustment arrow to slowly raise the lift motor shaft until the locking pin can be removed from the back of the column.
14. Test the column travel. If the adjustment did not fix the issue, then proceed to the next process.

## Column Alignment

1. Please refer to the previous steps 1-5 of the Spindle Carriage Assembly Adjustment to begin removing the lift motor.
2. Remove the screws that hold the cable clamp into position. Disconnect the lift motor cable (J4) from the CPU PCB.

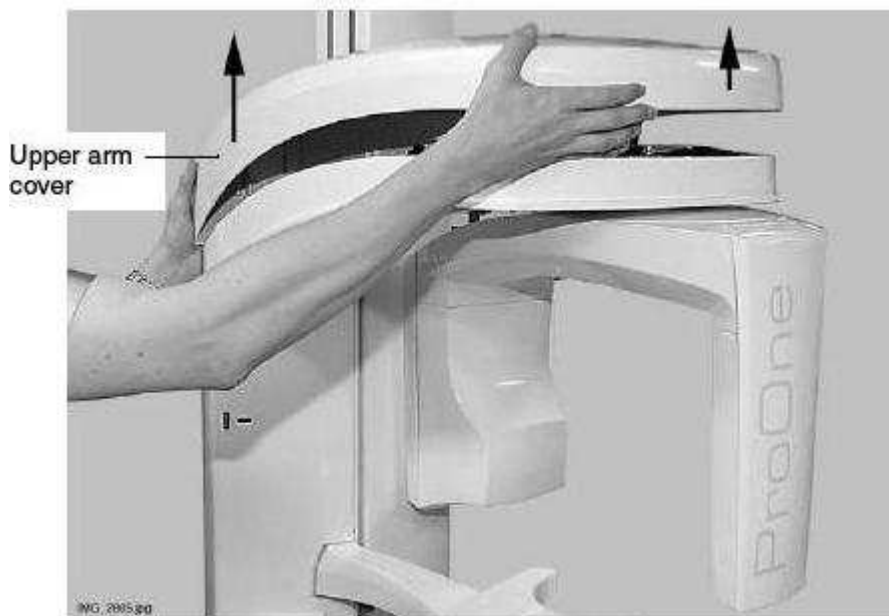


Cable clamp

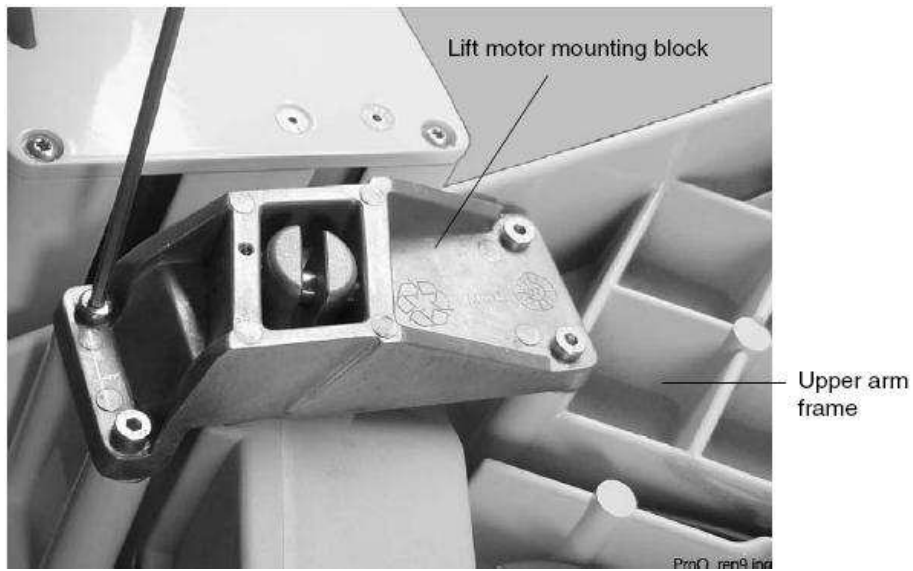


Lift motor cable (J4)

3. Remove the upper arm cover.



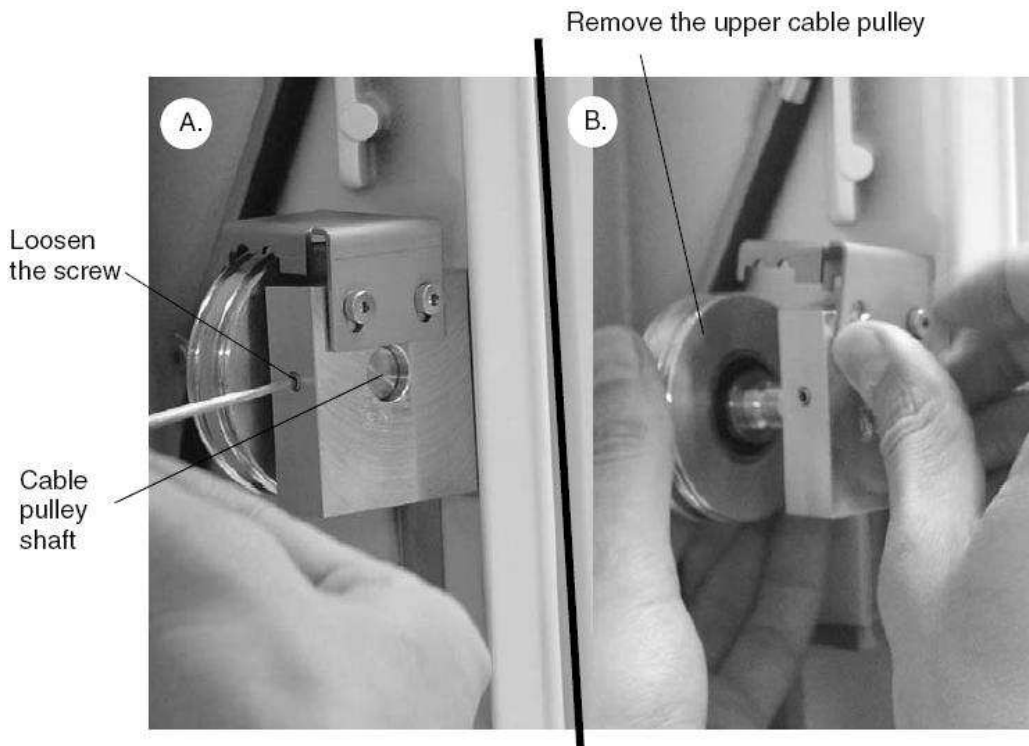
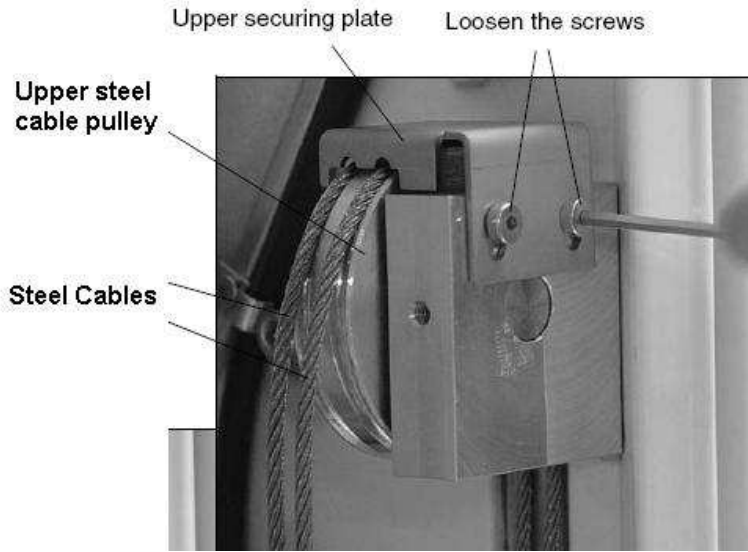
4. Remove the four screws that attach the lift motor mounting block to the upper arm frame.



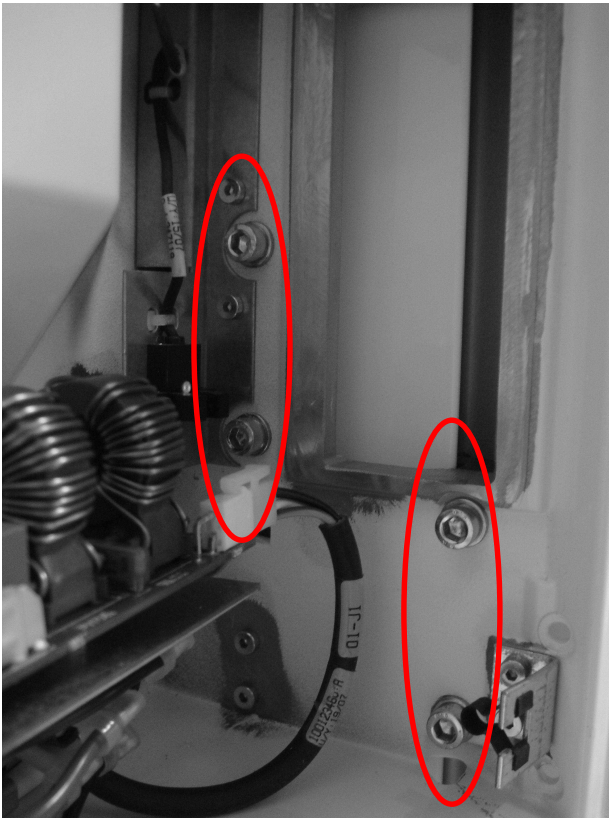
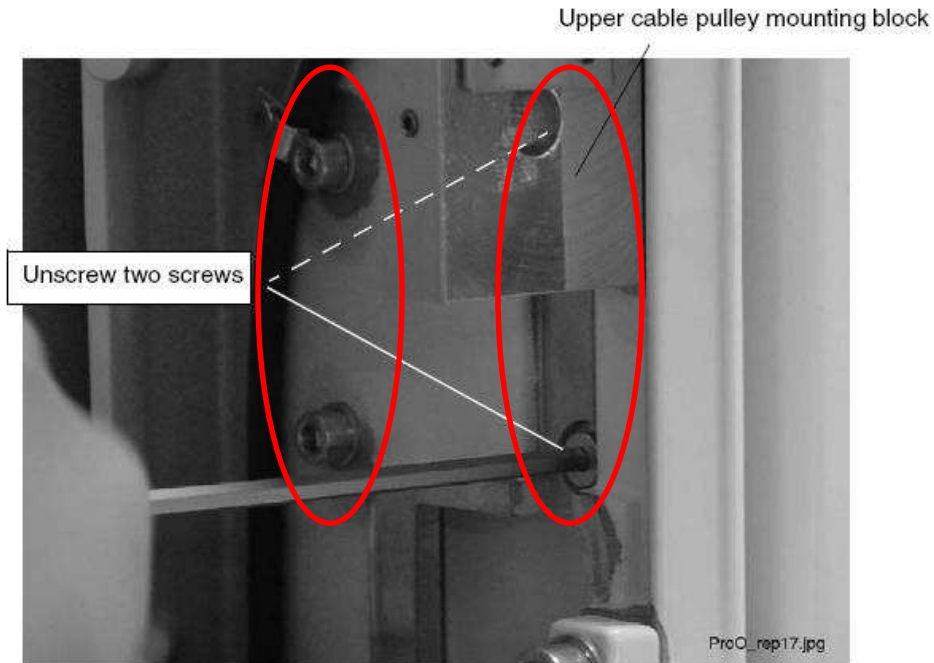
5. Remove the lift motor.



6. Remove the upper securing plate. Then remove the upper cable pulley.



7. Loosen the eight screws that are attached to the slide blocks. Each slide block has two screws.



8. Use a spirit level to adjust the level of the moving column to the stationary column. Tighten all the screws while adjusting the level.
9. Reassemble all parts in reverse order and test.