HOW TO ADJUST ALPHA BRAKE MAGNET

APPLICABLE TO: Precision system

INFORMATION:

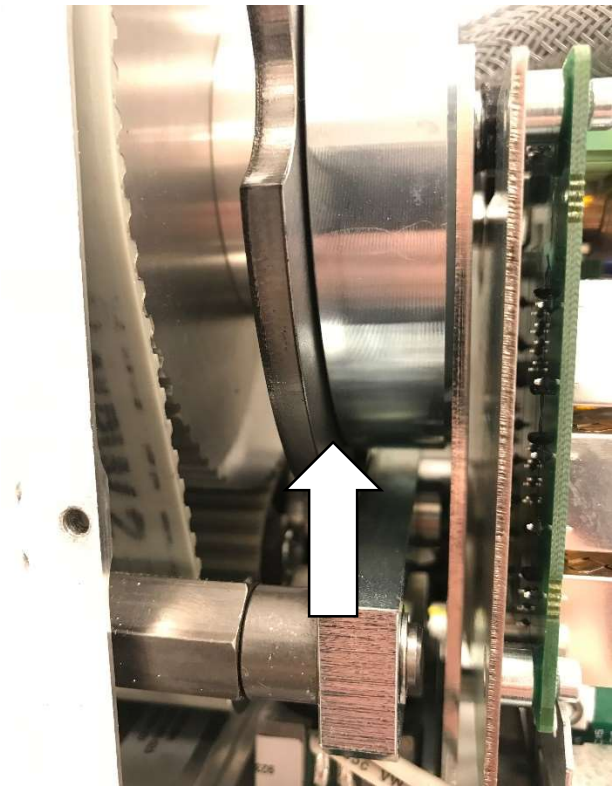
Noise during tube turning or false collision errors from the Alpha node can occur if the brake magnet is touching the brake plate while moving. Adjusting the position of the brake magnet can solve the problem.

TOOLS NEEDED:

- Standard set of Hex keys, T-handle Hex key (size 5mm), pliers and assorted P6 shim washers.

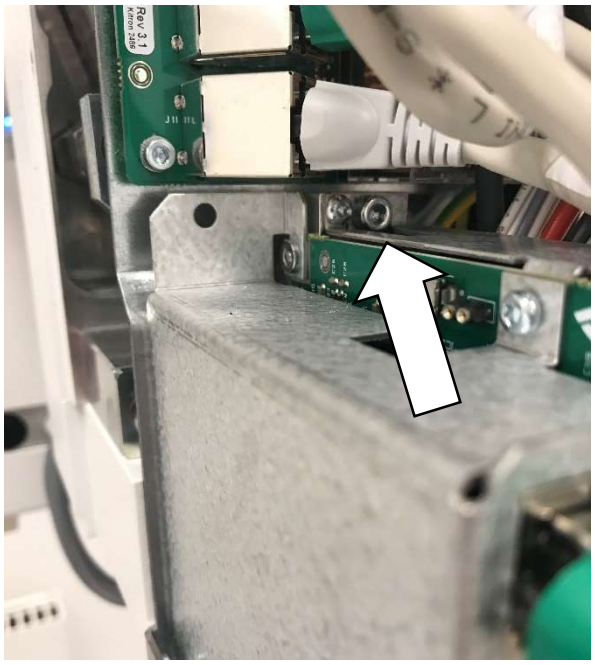
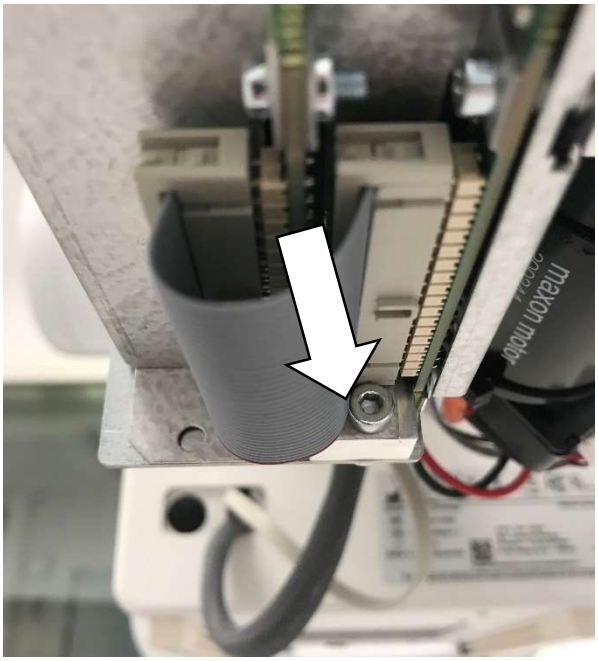
ACTION STEPS:

1. Remove alpha and beta covers. Release the alpha brake and confirm that the magnet is touching the brake plate while the x-ray tube is turned in alpha direction.

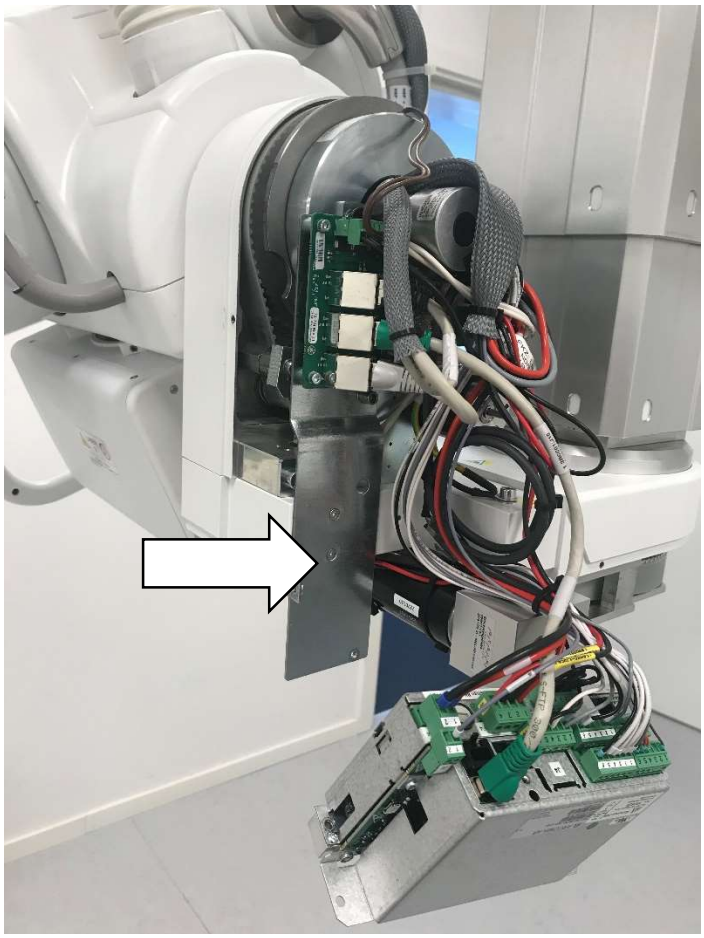


2. Position the OTC in a good working position and turn system OFF from the generator mini console.

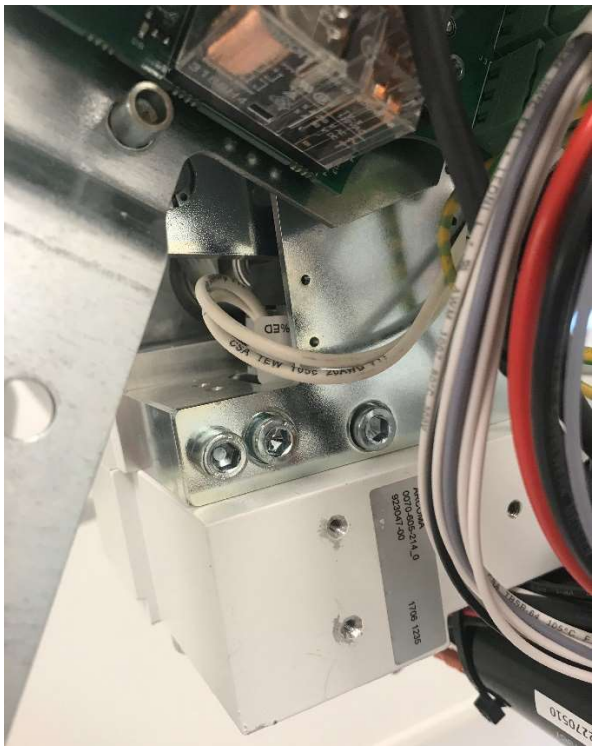
3. Release and remove the two screws holding the Alpha/Beta node. Carefully fold out the node and let it hang from its cables.

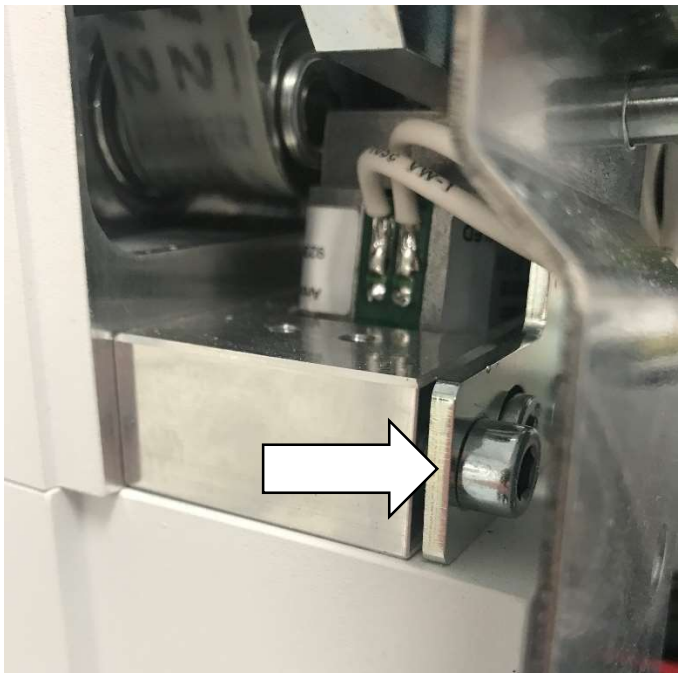
4. Release and remove the two screws for the board bracket.

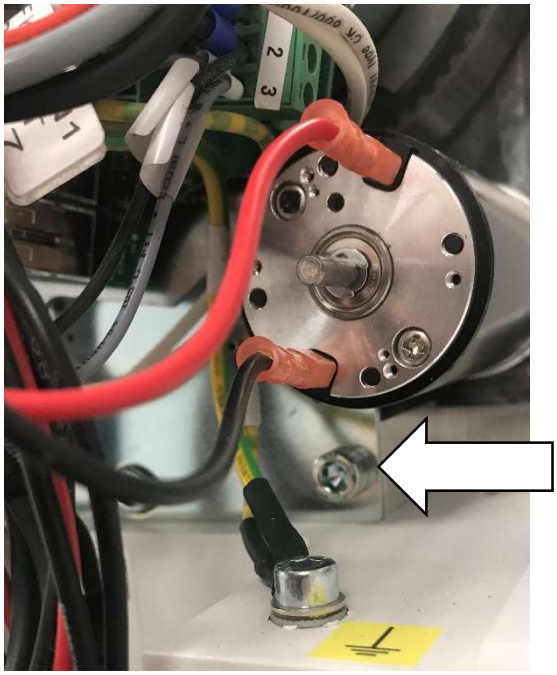



5. Turn away the board bracket to gain access to the alpha brake magnet.



6. Release the two screws for the magnet brake bracket.





7. Remove one of the screws and slide in shim washers to create clearance between brake magnet and brake plate. The amount of shims needed depends on the situation but a good starting point is 0,2mm.

   Reattach the screw but do not tighten it yet.

8. Repeat step 7 for the second screw.
9. Tighten both screws.
10. Perform steps 3-5 in reversed order.
11. Turn system ON from the generator mini console.
12. Confirm that there is clearance between brake magnet and brake plate when the brake is released.

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