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"The Alternate Source"™

MIA217
ACTUATOR (BASE)
INSTALLATION INSTRUCTIONS

REMOVAL - ***Refer to Figure 2.***

1. Raise ***TABLE UP*** function all the way up.
2. Run ***TILT***, ***FOOT***, and ***BACK*** functions to level table top.
3. Disconnect the power from the table; see "Warning" note below.

> ***WARNING:*** *Disconnect the power from the table before removing covers/shrouds or making any repairs to prevent the possibility of electrical shock, severe personal injury, or death.*

4. Remove the right and left hand outer shrouds from the column adapter weldment. Then remove the right and left hand middle shrouds.
5. Disconnect the modular cord connector from each of the inlet PC boards located on the inside of the inner shrouds.
6. Remove the two receptacle label plates located on the right and left hand inner shrouds and partially remove the inner shrouds from the base casting.
7. Place supports under the back and foot sections; refer to "Danger" note below ***(see Figure 1)***.

> ***DANGER:*** *Ensure that the table top is secured by supports to prevent it from falling once pivot screws are removed. Failure to do so could result in serious injury or death.*

8. Remove the control PC board cover from the base casting.
9. Remove the cable strap and cut all cable ties securing the base actuator wires to the other wires.
10. Remove the plastic wrap from the base actuator wires and retain for reuse in a later step.
11. Disconnect the base actuator connections from the control PC board.
12. Remove the base capacitor from the capacitor strap.
13. Tag and disconnect all the actuator wires from the terminals of the base capacitor; refer to the "Danger" note below.

> ***DANGER:*** *Never touch the terminals of a capacitor until it has been properly discharged. Personal injury or death could occur because a capacitor can store an electrical charge for many years even if the power has been shut off.*

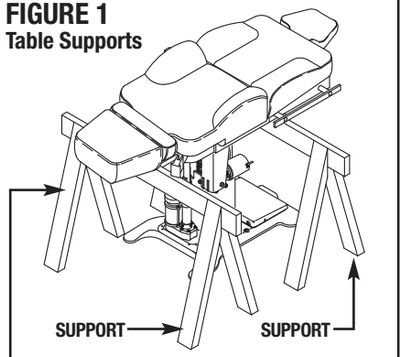
14. <u>On programmable tables only</u>, remove the upper cable mounting bracket from the pivot screw; refer to the "Danger" note below.

> ***DANGER:*** *Ensure that the table top is secured by supports to prevent it from falling once pivot screws are removed. Failure to do so could result in serious injury or death.*

15. Remove the two bottom pivot screws securing the base actuator to the column assembly.
16. Remove the two top pivot screws and remove the base actuator from the column assembly.
17. Loosen the three screws on the lower pivot pin mounting bracket.

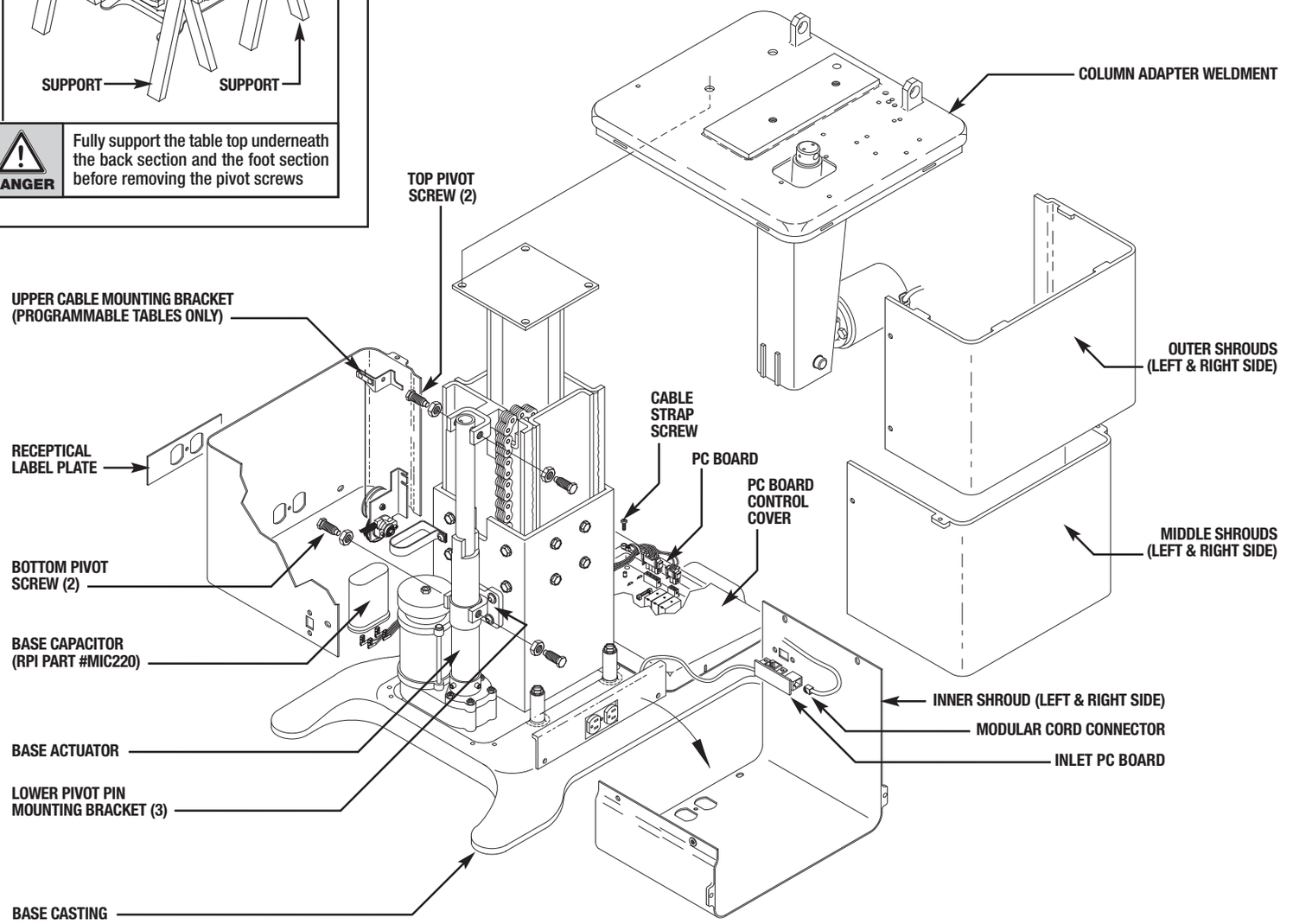
Installation Instructions, continued on reverse side.

FIGURE 1
Table Supports



DANGER Fully support the table top underneath the back section and the foot section before removing the pivot screws

FIGURE 2
Table Base Exploded View



INSTALLATION - ***Refer to Figure 2 on the front side of this page.***

1. Remove the jam nuts from the upper and lower pivot screws.
2. Clean the adhesive residue from the threads of the pivot screws.
3. Screw the jam nuts onto the upper and lower pivot screws (butting up to the hex head on the pivot screw).
4. Apply Loctite® to the threads just before the jam nut.
5. Install the new base actuator onto the column assembly and secure with the two lower pivot screws.
6. ***NOTE:*** *Install the lower pivot screws until the shaft of the actuator is centered within bracket.*
7. Tighten the lower pivot screws to 50 - 60 in-lbs. (5.6 - 6.8 nm).
8. Tighten the two jam nuts to 45 - 55 ft-lbs. (61 - 74.6 nm).
9. Reinstall the plastic wrap around the new base actuator wires.
10. Reconnect the wiring to the base capacitor terminals and reconnect the connectors to the control PC board.
11. Reinstall the capacitor into the capacitor strap.
12. Secure the wires using the cable strap. Attach the cable strap to the base casting with the mounting screw.
13. Secure the wires together as a bundle using the cable ties supplied in this kit.
14. Reinstall the PC board cover onto the base casting.
15. Plug the table's power cord into an outlet receptacle.
16. Run the ***TABLE UP*** and/or the ***TABLE DOWN*** function until the shaft of the base actuator is aligned with the bracket of the column assembly.
17. Apply Loctite to the threads just before the jam nut.
18. Install the new base actuator onto the column assembly and secure with the two lower pivot screws.
19. ***NOTE:*** *Install the lower pivot screws until the shaft of the actuator is centered within bracket.*

    On programmable tables only: The pivot screw with the female threaded hole in it is used to mount the upper cable bracket ***(see Figure 2)***.
20. Tighten the lower pivot screws to 50 - 60 in-lbs. (5.6 - 6.8 nm).
21. Tighten the two jam nuts to 45 - 55 ft-lbs. (61 - 74.6 nm).
22. Tighten the three screws on the lower pivot pin mounting bracket to 17 - 20 ft-lbs. (23 - 27.1 nm).
23. On programmable tables only: Install the upper cable bracket onto the left hand pivot screw and attach with the mounting screw. Do not wrap the cable around the pulley at this time.
24. Run the ***TABLE UP*** function until the table top is lifted off of the supports; then remove the supports from underneath the table top.
25. Lower the ***TABLE DOWN*** function all the way down.
26. On programmable tables only: Wrap the cable around the pulley in the direction shown ***(see Figure 2)*** until all of the cable slack is removed.
27. ***NOTE:*** *The pulley can be rotated back and forth up to 1/2 turn to assist in getting the cable pulled onto the pulley.*
28. The cable should be able to be wrapped around the pulley 2-1/2 to 3 times.
29. Reconnect the modular cord connector to each inlet PC board (located on the inside of the inner shrouds).
30. Reinstall the right and left hand inner shrouds onto the base casting and secure by reinstalling the two receptacle label plates, reuse the original shroud mounting hardware.
31. Reassemble the right and left hand middle shrouds around the inner shroud, reuse the original shroud mounting hardware.
32. Install the tabs of the right and left hand outer shrouds into the slots of the column adapter weldment. Secure with the original mounting hardware, making sure that the middle outer shroud assembly is captured by the right and left hand outer shrouds.
33. On programmable tables only: Calibrate the control PC board.
34. Check operation and return the table into service. On programmable tables only: If it is found that the control PC board needs calibration, contact RPI tech support for the calibration procedure