

Arc Trainer® Elevation Motor Tube Replacement

Kit No. 600AK004

Installation Instructions

TOOLS REQUIRED

- Phillips head screwdriver
- 9/16" Open end wrench
- Tape measure

NOTE: This instruction sheet was written to replace the acme tube on the elevation motor without removing all of the shrouds. Only the elevation motor cover needs to be removed.

1. Read and understand all instructions thoroughly before installing this kit.

NOTE: Be sure to read step 5B. Do not remove the tube without counting the number of turns required to install the new tube properly.

2. Verify that you received the acme tube for the elevation motor.

! WARNING: Disconnect the power cord before beginning this procedure. Keep wet items away from inside parts of the unit. Electrical shock could occur even if the unit is unplugged.

3. Elevate the unit and disconnect the power source.

- A. Turn the main power switch above the power inlet to the on (1) position.
- B. Press Quick Start.
- C. Elevate the unit to level 3.
- D. Turn the main power switch to the off (0) position and unplug the power cord from the power outlet. **NOTE:** Do not press stop.

4. Remove the center (elevation motor) cover.

- A. Using a Phillips head screwdriver, remove the two screws securing the center cover in place.
- B. Remove the center cover

! WARNING: Do not touch components on the lower board. A charge can remain after unplugging the power cord and turning off the unit.

5. Replace the acme tube

- A. Using two 9/16" open end wrenches, remove the bottom bolt and nut securing the actuator. See Figure 2. **NOTE:** Do not lose the spacer between the bolt and the nut.

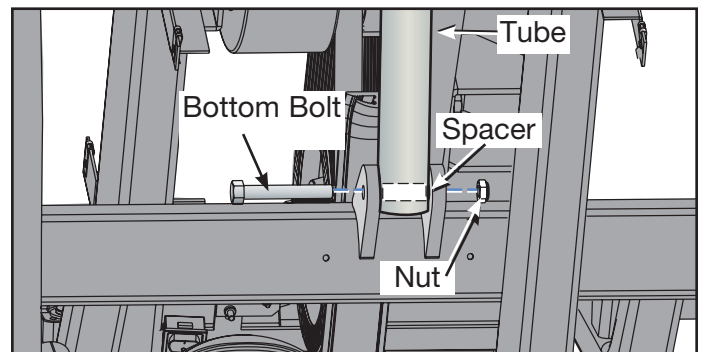


Figure 1

- B. Counting the number of turns, turn the tube counter clockwise until the acme nut disengages from the acme shaft. **NOTE:** You will need to know the exact number of turns when installing the new tube in the next step.
- C. Install the new acme tube by turning the tube clockwise the same number of turns that it took to remove the old tube in step 5B.
- D. Reconnect the actuator with the bolt, spacer and nut removed from step 6A. Tighten securely.
- E. Locate the crosstube just below the shrouds (shrouds with the yellow caution decal).
- F. Measure from the top of the crosstube straight up to the bottom of the shroud. On level 3, this measurement should be approximately 2". **NOTE:** This step verifies that the elevation motor is calibrated correctly.



6. Secure the center (elevation motor) cover.

- A. Place the center cover in position.
- B. Using a Phillips head screwdriver, attach the two screws removed in step 5A.

7. Test the unit for proper operation.

- A. Connect the power cord into the power inlet and the power outlet.
- B. Turn the main power switch to the on (I) position.
- C. Operate the unit at all levels to verify proper operation.
- D. Turn main power switch off to verify it is wired properly.