How To...ADJUST AND TENSION THE LIFT ACTUATOR

Tools Required: Hex key wrench set, two 9/16" wrenches, phillips screwdriver

ATTENTION: THIS PROCEDURE SHOULD BE PERFORMED TO INSURE THAT THE LIFT ACTUATOR ASSEMBLY'S MOTOR IS BEING SHUT OFF BY THE HOME SWITCH RATHER THAN THE LIFT ACTUATOR'S INTERNAL SAFETY SWITCH.

Step 1
Turn the power OFF at the switch and by unplugging the unit from the electrical outlet.

Step 2
Remove the MOTOR COVER.

Step 3
Carefully tilt the treadmill on to its right side.

Step 4
Remove the BOLT and NUT securing the bottom of the LIFT ACTUATOR SLEEVE to the LIFT FRAME WHEEL ASSEMBLY.

Step 5
Turn the LIFT ACTUATOR SLEEVE ***CLOCKWISE*** until it makes contact with the bottom of the LIFT ACTUATOR CASING.

Step 6
Now turn the LIFT ACTUATOR SLEEVE ***COUNTERCLOCKWISE*** until the holes at the base of the LIFT ACTUATOR SLEEVE align in the same direction as the holes in the LIFT FRAME ASSEMBLY.

Step 7
Finally, turn the LIFT ACTUATOR SLEEVE 180° (1/2 revolution) in a ***COUNTER CLOCKWISE*** direction. The gap between the bottom of the LIFT ACTUATOR CASING and the top of the LIFT ACTUATOR SLEEVE should now be between .080 to .125 inches (2.032 to .3175 cm).

Step 8
Replace the BOLT and NUT you had previously removed to secure the bottom of the LIFT ACTUATOR SLEEVE to the LIFT FRAME ASSEMBLY.

Step 9
Carefully tilt the treadmill back to its operating position. Visually inspect the gap setting of the LIFT ACTUATOR SLEEVE and the LIFT ACTUATOR CASING with the machine resting at a zero (0) percent incline.

Step 10
Turn the power ON at the ON switch and by plugging the unit into the electrical outlet. Perform the "How To...EXECUTE THE INCLINE CONTROL TEST" described in the Section III Diagnostic Tests included in this Service Manual.