

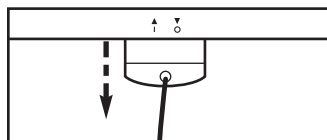
REPLACEMENT INSTRUCTIONS

REPLACING THE MOTOR AND/OR FLYWHEEL

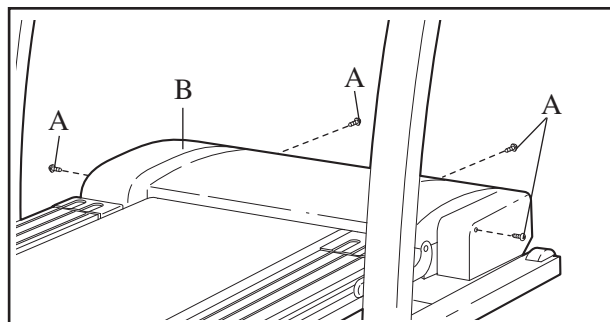
⚠ CAUTION: Unplug the power cord before beginning. Electric shock may occur if the power cord is connected to an electrical outlet.

Please read these instructions completely before beginning.

1. Remove the key and **unplug the power cord**.

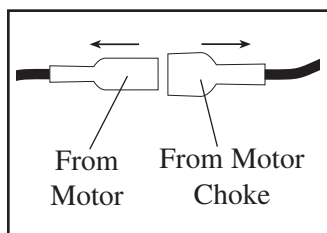


2. Remove the four screws (A) from the motor hood (B). Lift the motor hood from the treadmill.

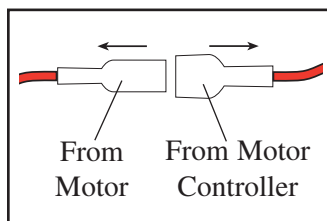


3. Locate the motor. Identify where each of the four wires from the motor are connected.

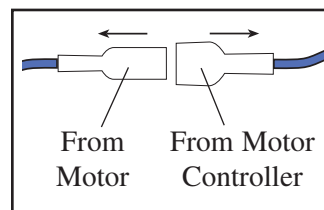
- a. Disconnect the black motor wire from the black wire that is attached to the motor choke.



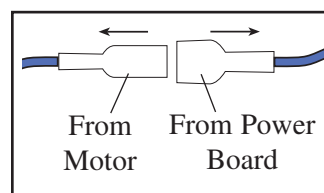
- b. Disconnect the red motor wire from the red wire that is attached to "A+" on the motor controller.



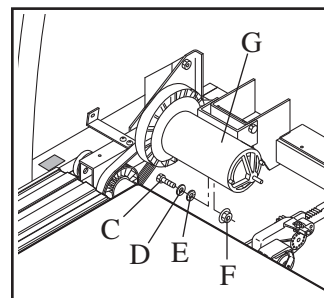
- c. Disconnect one of the blue motor wires from the blue motor wire that is attached to "AC1" on the motor controller.



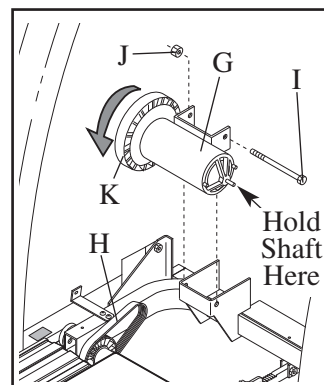
- d. Disconnect the other blue motor wire from the blue wire that is attached to "LG3" on the power board.



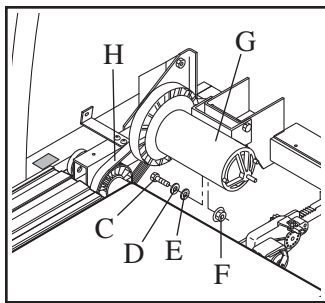
4. Remove the motor tension bolt (C), washer (D), star washer (E) and motor tension nut (F) from the motor (G). **Note the location of the star washer.**



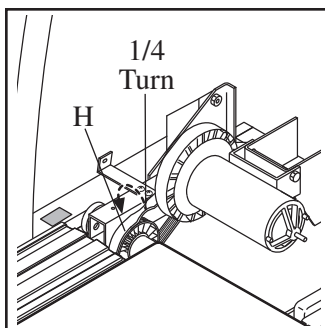
5. Slide the motor belt (H) off the motor (G). Remove the motor pivot bolt (I) and nut (J) from the motor. Remove the old motor and set it aside. If you are replacing only the motor, remove the flywheel (K) and attach it to the new motor. **Note: The shaft on the motor is reverse threaded. To remove the flywheel, hold the end of the shaft with pliers while turning the flywheel clockwise.** Attach the new motor with the motor pivot bolt and motor pivot nut. Slide the motor belt onto the new motor.



6. Pivot the new motor (G) until the motor belt (H) is tight. Hold the Motor so that the Belt remains tight while a second person secures the motor with the motor tension bolt (C), washer (D), star washer (E) and motor tension nut (F). **Note: To keep the belt tight, it may be helpful to sit on the treadmill and push on the motor with your feet.**

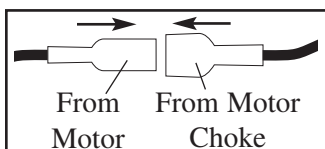


7. Check the tension of the motor belt (H) by twisting the motor belt 1/4 turn. The tension is correct when it is difficult to twist the motor belt 1/4 turn. If the motor belt is too tight or too loose, loosen the motor tension bolt and adjust the position of the motor. When the tension is correct, retighten the motor tension bolt (see step 6).

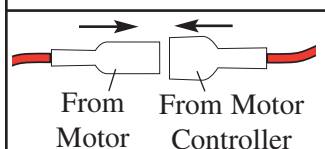


8. Connect the wires from the new motor to the treadmill as follows:

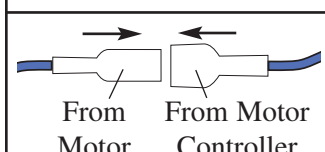
- a. Connect the black wire to the black wire from the motor choke.



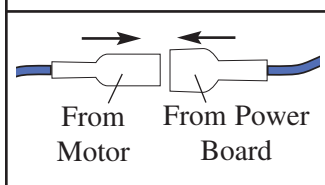
- b. Connect the red wire to the red wire from the motor controller.



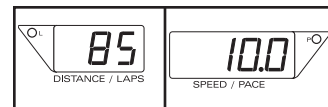
- c. Connect the blue wire to the blue wire from the motor controller.



- d. Connect the other blue wire to the blue wire from the power board.



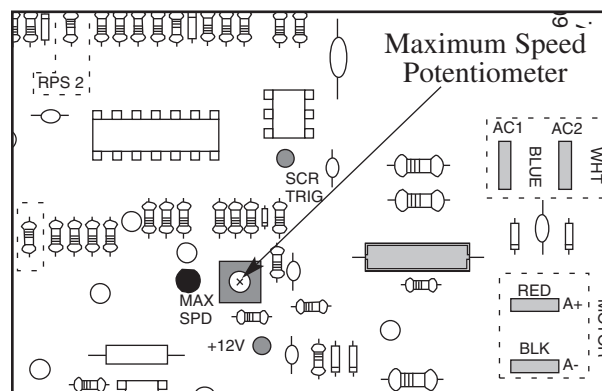
9. Check the maximum speed of the treadmill. To do this, plug in the power cord. **Stand on the footrails; do not stand on the walking belt.** Press the "Speed Δ " and "Stop" buttons while inserting the key. Release the buttons. Press "Stop" once to bring the Console into calibration mode. Press "Speed Δ " until the Distance display reads 85; the walking belt will begin moving. The Speed display should read 10.0 mph. This is the actual speed.



If the actual speed displayed is between 10.0 and 10.5 mph, you have finished installing the new motor. Press "Speed Δ " once and wait for the treadmill to fully stop on its own. Re-attach the motor hood (see step 2).

If the actual speed displayed is less than 10.0 mph or more than 10.5 mph, go to step 10.

10. You need to adjust the maximum speed on the motor controller. **Unplug the power cord and remove the key.** Locate the motor controller. Locate the maximum speed potentiometer at the center of the motor controller.



Note: Do not set the maximum speed higher than 10.5 mph. The motor may be damaged if the maximum speed is set higher than 10.5 mph for normal treadmill use.

If the maximum speed is less than 10 mph, turn the maximum speed potentiometer on the controller slightly clockwise with a small phillips screwdriver. Go back to step 9.

If the maximum speed is more than 10.5 mph, turn the maximum speed potentiometer on the controller slightly counter-clockwise with a small phillips screwdriver. Go back to step 9.