Tools Required:

- Philips Screwdriver
- Right Angle Philips Screwdriver
- 6mm Allen Wrench

Procedure:

FOR Optical Disk Replacement Only-If you have a right angle Philips screw diver then you should be able to remove the optical disk after removing the motor cover.

- 1) Turn power off and unplug the unit. Remove the motor cover.
- 2) For Models PST 6 & 8/ 1.2T-5.2T Only Remove the screws attaching bottom motor cover to main frame
- *3)* Put the deck into storage position.
- 4) Remove the screws from the bottom motor cover. (Figure 1 & 2)



5) For Models T61 -T64/CST 3.5 & 4.5/DT650 & 850/WT950 Only - Bring the deck back down into the horizontal position.
6) For Models T61 -T64/CST 3.5 & 4.5/DT650 & 850/WT950 Only - Plug in and turn on the machine.

7) For Models T61 -T64/CST 3.5 & 4.5/DT650 & 850/WT950 Only - Raise the deck to the highest elevation and turn off the power. 8) For Models T61 -T64/CST 3.5 & 4.5/DT650 & 850/WT950 Only - Remove the remaining screws from the front of the bottom motor cover.

9) Unplug the power cord from the wall outlet.

10) Unplug motor and optic sensor wires from the motor control board. Also remove the green ground wire that is attached to the grounding post next to the motor control board.

11) Remove bolts (A) and washers (B & C) holding the motor to the motor bracket. (Figure 3)

12) Remove protective shield, optic disk, and optic sensor from the drive motor. * (Figure 4)



13) Install optic sensor, optic disk, and the protective shield to the new motor.

14) Reinsert the bolts (A) and washers (B & C) holding the motor to the motor bracket but do not tighten. (Figure 3)

15) Place the drive belt on the drive motor.

16) Position motor so that the motor pulley is aligned with the front roller pulley.

17) Tighten down bolts (A).

Motor Replacement 2001-2002 Models

Tools Required:



IMPORTANT Before removing old motor weigh down the treadmill deck to prevent the deck from springing up.

5)Loosen the two motor bracket attachment bolts C.

6)Remove bolts D and washers E and F holding the motor to the motor bracket. Note the position of the bolts on the bracket. (figure 2) 7)Put the new motor in place on the motor bracket frame. Place the drive belt on the drive motor; making sure that the motor flywheel pulley is aligned with the front roller pulley. (Figure 3) Tighten.

8)Reattach the tension spring. Hook spring onto assembly first. Then onto frame. (Figure 4)

9) Tighten the two motor attachment bolts C. (Figure 1)

10)Verify the proper tensioning on the drive belt. Using a timing belt tension gauge, the proper tension should be between 65 to 75 pounds. If a timing belt gauge is not available, the drive belt should have approximately 3/8 inch deflection. If the drive belt tension is not set properly, loosen the motor attachment bolts C and adjust.

