

## L-70 & 80 SERIES DRIVE ROLLER REPLACEMENT

### INTRODUCTION

This document is used for replacing front roller on treadmills manufactured 10/2006 to present.

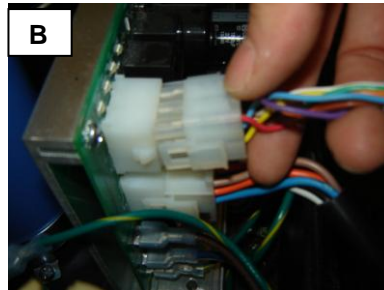
### TOOLS REQUIRED

- Power drill with #2 Phillips Head Bit. (This is the only way to take out frame rail screws.)
- 3/8", 7/16", 1/2", 9/16" standard sockets
- 3/8" ratchet w/ 2" extension
- Rubber Mallet

### ACTIVITY/PROCESS

- 1) Turn treadmill ON and elevate it to 15% grade. (12% grade for L9's manufactured before 10/2012)
- 2) Turn treadmill OFF. **UNPLUG TREADMILL FROM WALL OUTLET.**
- 3) Remove motor cover.

#### 4: REMOVE THE UPRIGHT:



- a) Remove the upright frame covers by pulling outwards from the bottom of the cover. (FIGURE A)
- b) Disconnect the main harness and ground wire (80 Series) from the lower board. (FIGURE B)
- c) Loosen all 8 (4 on each side) upright bolts using a 7/16" socket, 3/8" ratchet and 2" extension. You do not need to completely remove these bolts from the frame. (FIGURE C)
- d) Lift upright assembly UP and OFF.

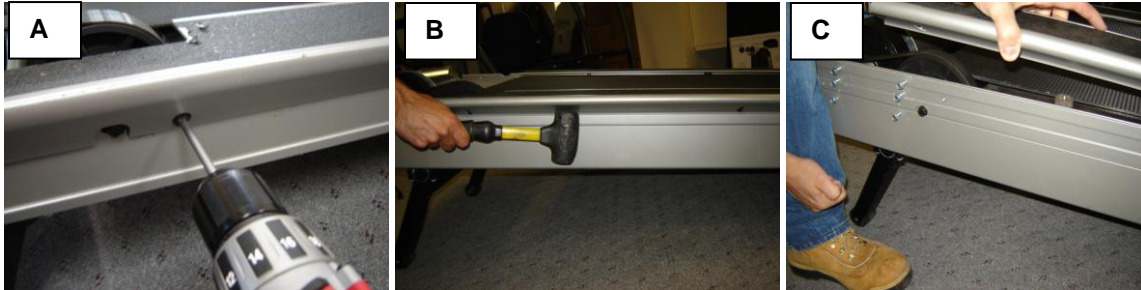
#### 5: LOOSEN TENSION OF TREADBELT



Loosen treadbelt tension using a 9/16" socket and 3/8" ratchet at the adjustment bolts located at the rear of the machine.

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### 6: REMOVE RIGHT & LEFT FRAME RAIL COVERS



- Remove all Phillips head screws (4 on L8/L9's and 5 for L7 machines) using a power drill gun and #2 Phillips head bit shown. (FIGURE A)
- Take a rubber mallet and lightly tap the bottom of the frame rail in an upwards direction. (FIGURE B). Lift up on the side frame cover to remove it from the machine. (FIGURE C).

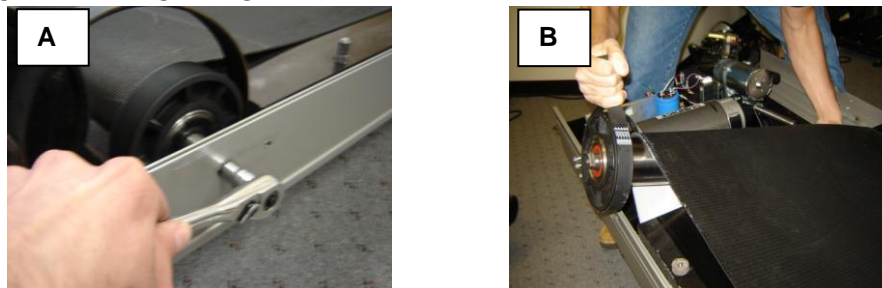
### 7: REMOVE THE DRIVE BELT



Drive belt tension nut

- Remove the motor tensioning nut from the bottom of the motor pan using a 7/16" deep well socket. (FIGURE A)
- Pull the motor towards the rear of the machine using one hand. Use your other hand and twist the drive belt and rotate it forward so it comes off the flywheel. (FIGURE B)

### 8: REMOVE THE FRONT ROLLER



- Remove the front roller bolts using a 3/8" socket w/ ratchet. Front roller bolts are located on the right and left side of front roller. (FIGURE A)
- Angle the roller and slide the front roller out from inside the treadbelt (FIGURE B).  
**SERVICE TIP:** Have the drive belt wrapped around the drive roller pulley and use that as a handle to remove the front roller.

**FOLLOW STEPS IN REVERSE TO REINSTALL FRONT ROLLER**

**L-70 & 80 SERIES DRIVE ROLLER REPLACEMENT****TENSIONING TREADBELT & DRIVE BELT**

Need for tension is indicated by uneven belt speed and may be sensed by sudden stopping of the treadbelt when your foot comes down on the belt.

**TREADBELT Tensioning:** To tension the treadbelt, use the same hex head bolts as were used for tracking below.

- 1) Turn screws on both sides of the roller *clockwise* the same amount.
  - Failure to turn them equally will affect the treadbelt tracking.
  - Before tightening the treadbelt, assure that the treadbelt tension is loose and not the drive belt (Refer to Drive Belt Tensioning below).

**DO NOT OVERTIGHTEN THE TREADBELT.**

If you cannot slide the palm of your hand between the Treadbelt and the deck to the center of the treadbelt, **the Treadbelt Is Too Tight** and tension must be relieved.

**DRIVE BELT Tensioning:** The drive belt tensioning nut is located on the drive motor bracket.

- 1) Turn the nut clockwise which will pull down the motor bracket, thus tightening the drive belt. **DO NOT OVER TIGHTEN!** If you over tighten this belt you risk damaging the drive motor shaft.
- 2) To determine if the drive belt is tensioned properly Landice recommends:
  - Tighten the tensioning hook until the hook stops jiggling.
  - Tighten the tension nut 1 & ½ turns.

**TREADBELT Tracking:** The Treadbelt is tracked by means of two hex head adjustment bolts located at rear of treadmill. By tightening the side the belt is tracking closest to and loosening the opposite side by the same amount, you change the alignment of the rear roller without changing overall tension.

- Adjustments should be made with treadmill running, and should be made in 1/4-turn increments. Allow at least 30 seconds for treadbelt to stabilize between each adjustment. Perform the adjustments at slower speeds (2-3 mph) until you are comfortable making adjustments. Faster speeds will cause the adjustments to take effect quicker (5-6 mph).

***Example: Treadbelt is tracking to the right:***

- a) Turn treadmill on, and bring speed up to 4.0 mph.
- b) Using a 9/16" wrench, tighten the right-hand adjustment bolt 1/4" turn.
- c) Loosen the left-hand adjustment bolt 1/4" turn.
- d) Let Treadbelt stabilize (rotate for 30 seconds) and readjust if necessary.