

90 Series Drive Roller Replacement With Hinged Mount Motor Bracket

INTRODUCTION

Refer to this document for replacing a front roller on Landice treadmills manufactured 09/2016 to present.

TOOLS REQUIRED

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

ACTIVITY/PROCESS

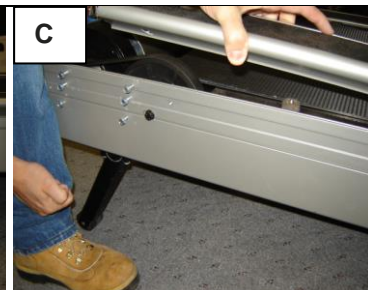
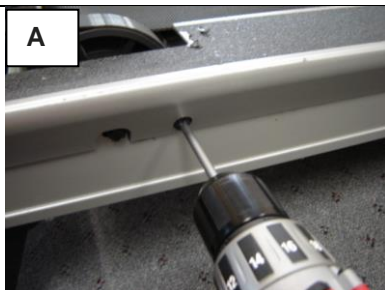
1. Turn treadmill ON and elevate it to 15% grade. (12% grade for L9's manufactured before 10/2012)
2. Turn treadmill OFF. **UNPLUG TREADMILL FROM WALL OUTLET.**
3. Remove motor cover.

4. 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.



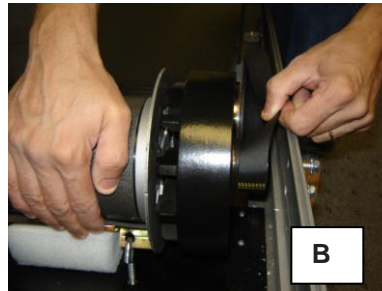
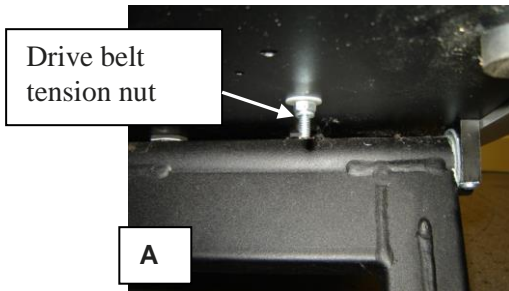
5. REMOVE LEFT SIDE FRAME RAIL COVER



- a) Remove all Phillips head screws (4 on L8/L9's and 5 for L7 machines) using a power drill gun and #3 Phillips head bit shown. (FIGURE A)
- b) Take a rubber mallet and lightly tap the bottom of the frame rail in an upwards direction. (FIGURE B).
- c) Lift up on the side frame rail cover to remove it from the machine. (FIGURE C).

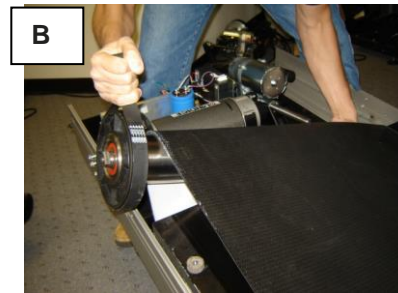
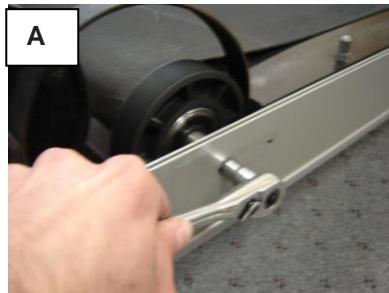
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6. LOOSEN TENSION ON DRIVE BELT



- a) Remove the motor tensioning nut from the bottom of the motor pan using a 7/16" deep well socket. (FIGURE A)
- b) 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)

7. REMOVE THE FRONT ROLLER



- a) Remove the front roller bolts using a 1/2" socket w/ ratchet. Front roller bolts are located on the right and left side of front roller. (FIGURE A)
- b) 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

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TENSIONING TREADBELT & DRIVE BELT

Need for tension is indicated by inconsistent or erratic 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 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 OVERTIGHTEN THE DRIVE BELT.** Overtightening the drive belt can lead to damage to the Drive Motor and Roller which would not be covered under warranty.
- 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.
- 3) Proper tension is 200 Newtons which is equivalent to a 45' twist on the drive belt. Download the Easy Tension App on your Smartphone or Tablet. The L7 Drive Belt is 220J8. The L8 Drive Belt is 260J8.

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.

