



PRODUCT SUPPORT

BULLETIN

Title: TR 4500 / 3900 / 4000 SM Running Belt & Deck Replacement

Date: May 21, 2001	Distribution to:	Written by: Alphonso Green
Bulletin No. 635-0107	<input checked="" type="checkbox"/> Service Providers <input checked="" type="checkbox"/> Product Support <input type="checkbox"/> Star Trac Sales	Approval(s)
Revision Letter: A	<input type="checkbox"/> Product Users <input checked="" type="checkbox"/> Distributor	ECO Reference N/A
Date of Last Revision N/A	<input checked="" type="checkbox"/> Installer	Model(s) Affected

This Product Support Bulletin describes the procedure for changing the Running Belt, and Deck on the TR 4500, TR3900, TR4000 Softmill. When reading this procedure, you will noticed several times it will indicate right or left side. The right and left side is directed as it you are walking on the belt, in it's normal use.

TOOLS REQUIRED:

- Philip head screwdriver
- ½" standard socket, & ratchet
- ¼" Allen wrench

REMOVE SHROUD:

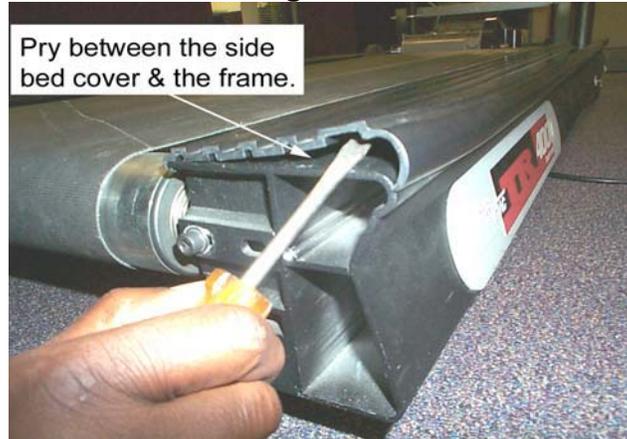
- Turn off power to Treadmill, or unplug unit from the wall outlet.
- Use Philips screwdriver, to remove screw from rear of the motor shroud.
- Suspend the shroud in the air. (note: Drape bungee cord around neck of the display, and hook the ends of the bungee through the hole for the shroud screw).

REMOVE TAILROLLER

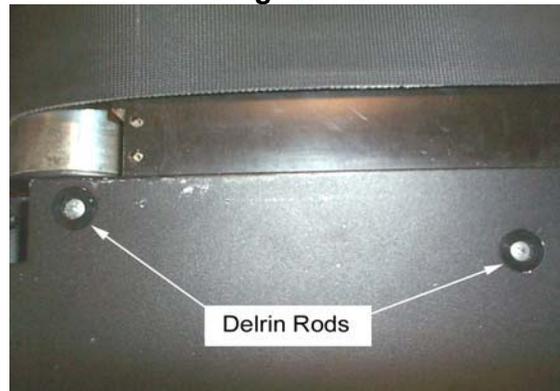
- Using ¼" Allen wrench, remove the two bolts that connects the tail roller to the frame. (Note: When loosening the bolts, alternate turning them three to four turns on each side until the bolts are disconnected from the frame).
- Remove the right, and left finger guards located on the rear of the deck, using Philips screwdriver.
- Remove right side end cap, using Philips screwdriver. (note: The right side as if your operating the treadmill).
- Slide tail roller out, & away from deck. (note: It's best to keep the tail roller rotating in the same direction, *so remember the original position the tail roller was installed*).
- Remove all wax buildup from tail roller, by using a hard plastic card (credit card works great).

REMOVE DECK:

- Loosen the right side hand rail bolt, using ½" ratchet. (note: It's best to work on the right side, to avoid the drive belt system).
- Using a flathead screwdriver pry between the side bed cover to extract it from the frame. **See diagram A1.**
- Pull, and lift up the side bed cover, starting from the rear of the unit to separate it from the frame.

Diagram A1**REMOVING DECK: (continues)**

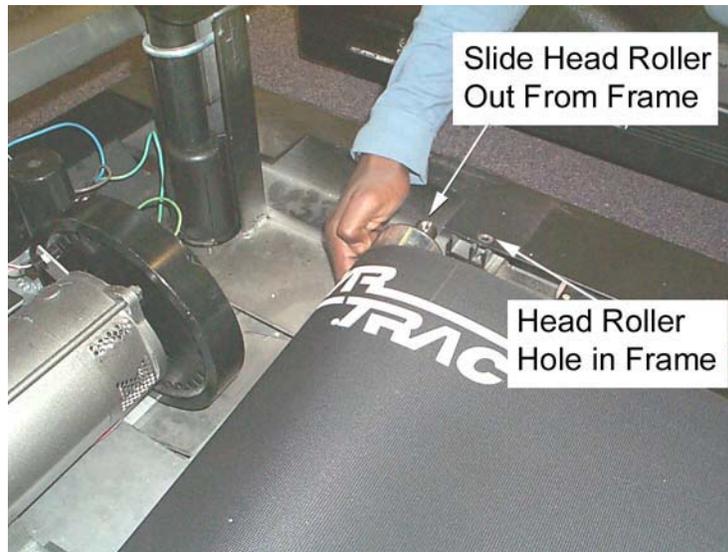
- Remove all three delrin rods using Philips head screwdriver. **See diagram A2.**

Diagram A2

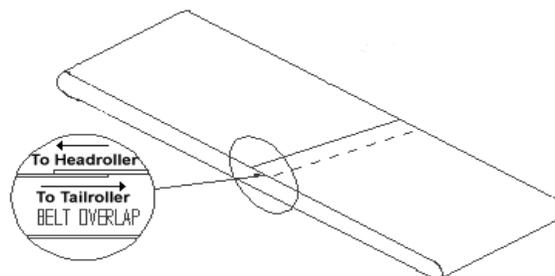
- Pull the deck from the right side of the treadmill, as if your operating the unit. (note: kneel to the right side of the treadmill. Grab the front, and rear of the deck with your right, and left hand. Then pull very hard towards you, and the deck will fall out on the left side of the treadmill).
- Pull the deck up on the left side of the treadmill, and slide it out. (note: if the deck hits the left side bed cover, then pull the left side bed cover up also, as shown in diagram A1).

REMOVE RUNNING BELT:

- Remove right side head roller bolt, using ¼" Allen wrench.
- Loosen left side head roller bolt, using ¼" Allen wrench.(note: unscrew the bolt around six complete turns, so it doesn't come completely out.
- Swivel the head roller towards the front of the unit, around the slot in the frame. **See diagram B1.**
- Slide running belt out from the head roller.

Diagram B1**INSTALL RUNNING BELT:**

- Slide the running belt around the head roller. **Warning: make sure the running belt seam is installed correctly!** (note: The top layer of the seam, needs to face the head roller. The bottom layer of the seam, needs to face the tail roller. When someone is walking on the running belt, his or her foot should slide over the seam, not into the seam. Install the running belt according to the direction of the seam, not the direction of the logo). **See Diagram C1**
- Swivel the head roller back around to it's original position (slot in the frame).
- Tighten the head roller bolts using ¼" Allen.

Diagram C1

INSTALL DECK:

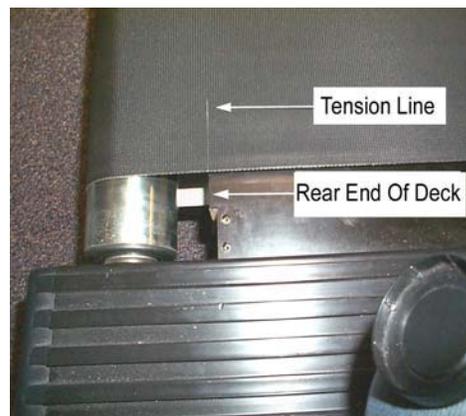
- Flip or replace the deck, making sure there's paraffin wax on the side facing up. **Warning: The deck must have impregnate wax coating on the surface the user walks, or runs on!** (note: this will prevent premature running belt damage).
- Rotate the six rubber deck bumpers to the top surface of the deck. (note: The deck bumpers need to separate the top of the deck from the frame. **See diagram D1**

Diagram D1

- Slide the deck through the running belt.
- Position deck so that the holes in the right side of the frame for the delrins are open.
- Screw the delrin rods back in.

INSTALL TAIL ROLLER & TENSIONING:

- Slide tail roller through running belt, and let it rest on the frame.
- Position running belt, so that it's centered on the tail roller, and carefully head roller.
- Install tail roller screws using 1/4" Allen wrench.
- Tighten 3 full turns on each side.
- Continue to tighten the tail roller in increments of three full turn on each side, until the tensioning marks on the belt lines up with the front and rear end of the deck. (note: It will approximately take 14 full turns on each bolt). **See diagram E1 & E2.**

**Diagram E1****Diagram E2**

- After the belt is tensioned, screw the right and left finger guard back on, using Philips screwdriver.
- Snap side bed cover back down. (note: make sure the ridge of the side bed cover hooks around to the frame. Then snap it down.
- Install the end cap using Philips head screwdriver.
- Tighten the side rail back down using ½" ratchet.

TRACKING:

- Turn the treadmill on and take the speed up to 1 MPH.
- If the running belt tracks to one side, tighten the side the running belt is tracking toward ½ turn. Then loosen the opposite side ½ turn.
- Continue the procedure above until the running belt starts to track to the opposite side. (note: Once the running belt starts to move toward the opposite side it was tracking to, allow the belt to center. This will insure the running belt doesn't drive further that the center of the head roller).

Test for proper function. If any question please call Product Support at 800-503-1221