

## TRM700-16/TRM800-14 Take-up Roller Replacement

### Applies to

TRM700-16. TRM-800-14 model treadmills

### Issue

The original TRM700-16/TRM800-14 running belt take-up roller (part number PPP000000302421105) is no longer available and is being replaced with a new common frame take-up roller (part number PPP000000304650101). This new take-up roller is designed to be backward compatible with the original TRM700/800 frame that uses the cassette extrusion style belt tension adjustment mechanism. The new roller is a drop in replacement (no hardware modifications required) and uses the same running belt tension adjustment procedure as the original take-up roller.

### Resolution

For take-up roller replacement, use the new common frame take-up roller part number PPP000000304650101.

### Tools required

- #2, #3 Philips screwdriver
- 5/16" hex key drive and ratchet
- running belt tension gauges (PPP000000020007101)

### Parts required

QTY	Part Number	Description
1	PPP000000304650101	Take-up Roller



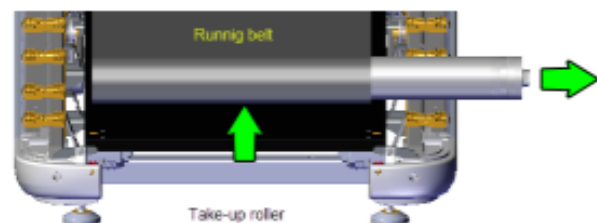
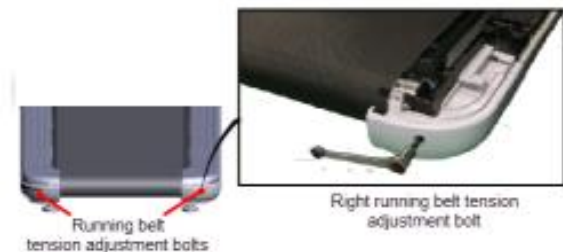
Common Frame Take-up Roller

### Procedure

Review entire procedure before starting.

#### Removing the take-up roller

- 1 Clean the running belt and deck.
- 2 Switch the power OFF and unplug the power cord.
- 3 Remove the hood and the left and right landing trim covers.
- 4 Relax the running belt tension using a 5/16" hex key driver and ratchet. Begin by alternately loosening the left and right adjustment bolts in 1/4 turn increments so that the running belt tension is evenly relaxed. Only use hand tools and not power tools to loosen the bolts.
- 5 When the tension is relaxed, continue loosening the adjustment bolts so that the take-up roller/belt can be easily lifted and removed from the roller mounting brackets.
- 6 Remove the take-up roller from the inside of the running belt. Be careful to not scratch or damage the inside of the belt while removing the roller.



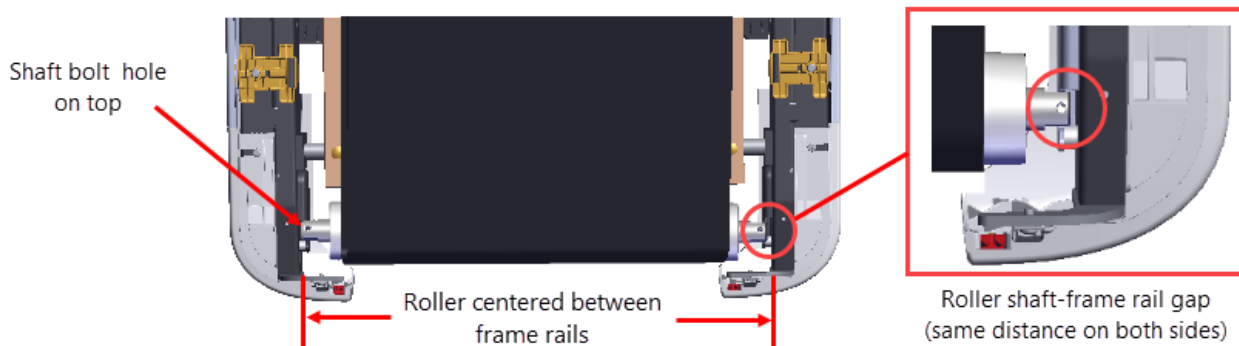
**Installing the new take-up roller**

1. Insert the new take-up roller into the inside of the running belt. Be careful to not scratch or damage the inside of the belt while installing the roller. It does not matter which end of the roller is installed on the frame, both the left and right roller shaft and frame mounting hardware is the same.



**Note:** Belt/Deck replacement: When replacing the belt and deck on an existing common roller installation, the left or right side of the take-up roller must be reinstalled on the same side of the frame. Mark the left or right end of the common take-up roller before removing.

2. Install the take-up roller:



- a Position the roller shaft ends so that the shaft bolt holes are on top and the flat sides are vertical. Then set the roller onto the left and right frame roller adjustment plates.
- b Next center the roller shaft ends between the inside of the left and right frame rails. The common frame roller does not have shaft mounting slots to center and hold the roller in position. The belt tension will hold the roller in position.

3. Tension the running belt:

- a Center and square the running belt on the front drive and rear take-up rollers.
- b Move the running belt so that the seam is positioned underneath the treadmill.
- c Attach a running belt tension gauge on each side of the running belt opposite each other. Place the gauges as close to the middle of the belt as possible and so that the trim landing mounting brackets do not interfere with the gauge movement.
- d Slide the gauge head to set the dial needle as close as possible to 3.0 (0.0% reference point) and clip the gauge onto the belt edge. Then slightly rotate the gauge dial face to adjust the needle to indicate precisely 3.0 (0.0%).
- e First use the 5/16" socket and ratchet (hand tools only) to alternately tighten the right and left running belt tension until both gauges read 3.0 (0 % ref). Then continue the adjustment in increments of 0.2 (0.2%) dial divisions so that the belt is evenly tensioned to the following specification:
  - Forbo belts (PPP000000302449101): 3.55 (0.55%)
  - Ammeraal belts (PPP000000303765103): 3.75 (0.75%).



4. Remove the tension gauges.

5. Verify belt tracking:
  - a Connect the power cord and switch the power **ON**.
  - b Start a manual workout and set the speed to 3 mph (5 kph).
  - c Observe and verify that the running belt tracking remains centered. If not, make small incremental adjustments using the right tension adjustment bolt as needed to center the belt tracking. Only use the right tension adjustment bolt to adjust the tracking:
    - Move the belt to the left by tightening the tension (clockwise).
    - Move the belt to the right by loosening the tension (counter-clockwise).
6. Incrementally increase the speed to 6 mph (10 kph), then 9 mph (14 kph) and finally to 12 mph (19 kph) verifying the tracking at each speed. Make small adjustments as needed to keep the belt centered.
7. Replace the left and right landing trim covers.
8. Replace the hood.
9. Verify that the treadmill is setting level and stable, make leveling feet adjustments as needed.
10. Verify operation and return to service.