

9. Remove the six M6 screws holding the card cage.
10. Remove the angle support bracket from the VSD board/bracket assembly.
11. Remove the VSD/card cage assembly and return it to Quinton.
12. Replace the sil pad for the switching module before installing the new assembly.
13. Reassemble in reverse order.

Caution



Use caution when reassembling the hold-down plate for the switching module. Alternate torquing the screws just until the split lock washer is compressed. Over-torquing the screws will damage the module.

Field Functional Test

To verify that the treadmill is operating properly, perform Field Test No. 2. See Appendix D, *Field Functional Tests* for specific instructions.

Replacing the Tensioner

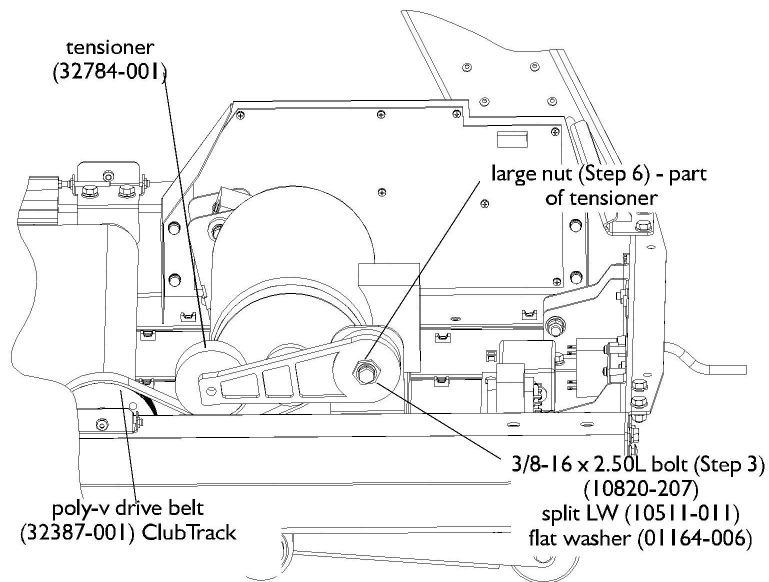
The tensioner may need to be replaced if the poly-V belt slips, if the idler pulley bearing makes noise, or if the tensioner roller is damaged.

Warning



Do not attempt to disassemble the tensioner. The internal springs are tightly compressed and could cause injury if released.

1. Turn off the controller and the treadmill circuit breaker, then unplug the power cord from the power outlet.



2. Remove the hood as previously described.
3. Use a 14mm or 9/16 inch hex wrench to remove the 3/8-inch bolt from the tensioner. Remove and discard the old tensioner.
4. Be sure the belt is centered on the pulleys.
5. Place the new tensioner onto the headframe in the same position as before and loosely bolt it to the headframe.
6. Use either a 24mm or 15/16-inch open-end wrench or a large adjustable wrench to turn the large nut on the tensioner counter- clockwise; put tension on the poly-V belt until the two lines on the tensioner line up. Tighten the 3/8-inch bolt to 19 foot- pounds torque.
7. Replace the hood.

Field Functional Test

To verify that the treadmill is operating properly, perform the following functional tests:

Test Speed Operation

1. Place a chalk mark or piece of tape on the walk belt across the direction of travel.
2. Place another mark or piece of tape on the top of the siderail cover.
3. Start the walk belt and increase its speed to 4.0 mph.
4. Count how many times the belt rotates in 2 minutes. This should be 70 ± 3 revolutions for ClubTrack 510 models and 65 ± 3 revolutions for ClubTrack 612 models.
5. Increase the walk belt speed to 10.0 mph.

6. Count the number of belt revolutions in 2 minutes. This should be 175 ± 3 revolutions for ClubTrack 510 models and 161 ± 3 revolutions for ClubTrack 612 models.
 - If any of the measurements are not accurate, refer to *Replacing the Tensioner* and/or *Adjusting the Walk Belt* in this chapter.
7. Ensure that the speed will traverse from minimum to maximum and back.

Walk Belt Test Procedure

1. With the walk belt speed at minimum, walk on the treadmill.
2. Grasp the handrail and resist the motion of the walk belt. If slippage is detected, determine if the walk belt or poly-V drive belt is the cause. Correct as necessary.
3. Stop the walk belt.

Shut Down the Treadmill

Turn off the circuit breaker, disconnect the power cord from the outlet, and place the treadmill back in service.

Replacing the Poly-V Drive Belt

1. Remove the hood as previously described.

Caution



The drive belt tensioner is spring loaded. Do not let it snap closed after removing the drive belt.

2. Loosen the belt tensioner by turning the -inch mounting bolt counter-clockwise, then pivot the tensioner away from the belt.
3. Remove the drive belt from the drive motor pulley.
4. Use a 13mm socket wrench to remove the end cap from each siderail.
5. Use a 13mm wrench to remove the four 2mm hex bolts that hold the two front-roller retainers to the frame. There are two bolts on each side of the roller assembly.
6. Slide the drive roller assembly to the left and remove the poly-V belt from the right side of the roller.