

Installing a rope return spring in the Chattanooga T-700 or MP-1 traction system

Start by setting the unit on a steady surface and turn it to remove the screws on the Right side of the device



Remove the 5 screws on the side panel. (4 on the side and 1 in the lower back section)



Once you have removed the side cover you'll see the broken spring and collar assembly.



Remove the screw on the EFI filter on the back side.



Loosen the screw on the EFI filter on the inside area. It's a tight fit, so use a thinner screwdriver if possible



Slide the EFI over to the side a bit so that you can access the screw that holds the spring to the frame.



Before you remove that screw, loosen the collar with a 1/8" allen wrench.



Now you can remove the frame screw.



Slide the old collar spring assembly off of the shaft and discard.



Get the new return spring out of the packing and inspect, it should seem oily or greasy, if not, apply a little grease or 3 in 1 oil to the spring body.

Part # 73147

Ersbiomedical.com [73147](https://www.ersbiomedical.com/products/73147)



Before you slide the new spring on, disengage the lock on top of the unit and turn the shaft clockwise until the rope is all the way in to the body of the unit. It should turn easily. Use a paper towel to grip the shaft.



Slide the new spring assembly on to the shaft. And insert the frame screw and tighten it down. A screw driver will work, a 1/4' nut driver works the best.



Now pull the collar out to the edge of the shaft and tighten it down slightly. Just to hold it in place.



Now test the return force by unlocking the rope lock on top of the unit. Pull the rope all the way out and let it feed back in "slowly" see how close the "S" hook comes to the unit. If too far away see the next procedure.



If needed, feed the rope all the way back in by using the same procedure as before, but this time do it more briskly so that the rope has the inertia to go in ALL the way.



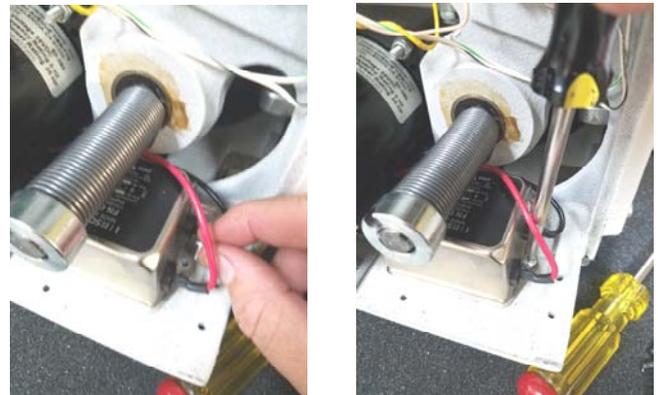
If the rope does not feed in all the way doing it slowly, then loosen the collar and turn it counter clockwise one turn until the set screw lines up with the flat part on the shaft.



Now tighten the collar and try the rope pull again. Until you get the return force functioning well.



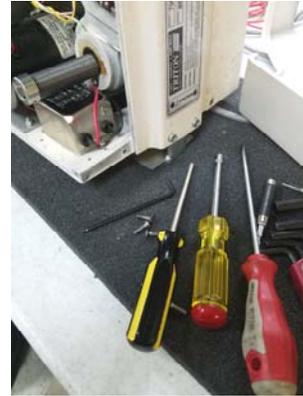
Now insert the outside EFI screw and tighten it down



Now tighten the inside EFI screw.



The normal tools required for this repair, Phillips No1 screwdriver, 1/4" nut driver, Slot screwdriver and a 1/8" allen wrench.



Now you can reassemble the case on the unit.



Tighten all the screws, safety test the unit and put it back in service



Any questions, please call us at 800-479-2987.

