

6. A uniaxial accelerometer unit can be attached directly to the mounting location provided on the right side of the tibia tube to measure the Y-axis acceleration. Use two #0-80 x 1/4" SHCS {0.05} to attach the uniaxial accelerometer to the flat mounting area on the right hand side of the Lower Tibia Tube, as shown in **Figure 3.7**.



Figure 3.7 - Attaching Y-Axis Accelerometer to Right Side

7. The Tibia Guard (T2LLM014) is mounted to the front of the Lower Leg assembly using a 1/4-28 x 5/8" BHSCS {5/32} in the top mounting hole and a 1/4-28 x 1/2" BHSCS {5/32} in the lower mounting hole, as shown in both views of **Figure 3.8**. The accelerometer wires are routed out the hole in the tibia guard on the right side.

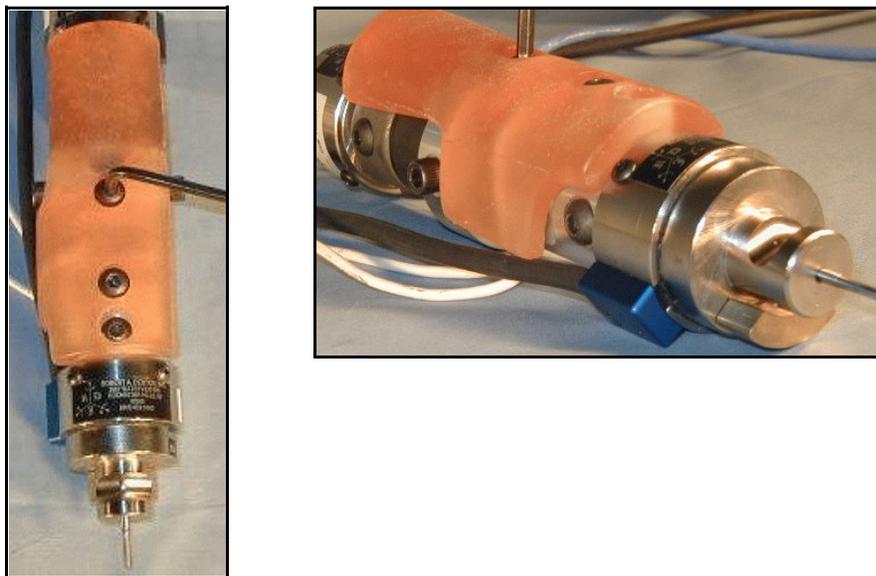


Figure 3.8 - Tibia Guard Mounting and Accelerometer Wire Routing

8. An exploded view of the Achilles Spring Tube assembly is shown in **Figure 3.9**. Refer to drawing T2LLM300 for further details .

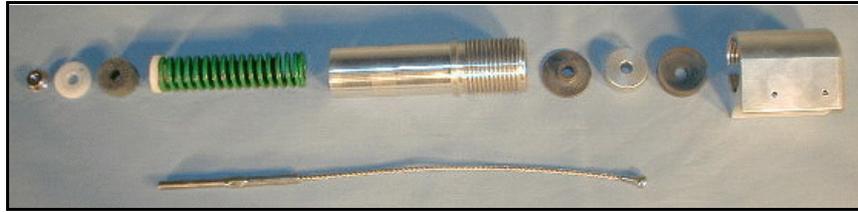


Figure 3.9 - Exploded View of Achilles Spring Tube

9. Attach the Spring Tube Base (T2LLM310) to the rear of the Lower Tibia Tube (T2LLM010) using two 1/4-28 x 1/2" BHSCS {5/32} as shown in **Figure 3.10**.



Figure 3.10 - Attachment of Achilles Spring Tube Base

10. Place the Load Cell Base Washer (T2LLM315) into the counterbore at the bottom of the Spring Tube Base (T2LLM310), as shown in **Figure 3.11**



Figure 3.11 - Load Cell Base Washer

11. Place the mock uniaxial load cell (T2LLM320) into the bottom of the Spring Tube Base, as shown in **Figure 3.12**.



Figure 3.12 - Mock Uniaxial Load Cell

12. Place the Achilles Spring Base Cap (T2LLM314) onto the top of the Mock Load Cell with the raised button facing away from the load cell, as shown in **Figure 3.13**.



Figure 3.13 - Achilles Spring Base Cap

13. Screw the Achilles Spring Tube (T2LLM311) into the top of the Spring Tube Base and tighten securely as shown in **Figure 3.14**.



Figure 3.14 - Thread Spring Tube onto Base

14. Slide the Achilles Spring Assembly (T2LLM301) into the Spring Tube with the Spring Cap toward the open end, as shown in **Figure 3.15**.



Figure 3.15 - Slide Achilles Spring Assembly into Tube

15. Insert the Soft Foam Compression Element (T2LLM317) on top of the Spring, as shown in **Figure 3.16**.



Figure 3.16 - Place Soft Foam Compression Element on top of Spring