

25. Position the Ankle / Achilles Mounting Plate (T1FTM210) below the sole plate with the counter sinks toward the bottom of the foot skin. The pointed end of the plate indicates the heel section. Attach the Lower Achilles Mounting Post (T1FTM311) to the top of the sole plate in the heel area using three 1/4-20 x 7/8" FHSCS {5/32}, as shown in **Figure 3.26**. The radius cut-out on the bottom of the Lower Achilles Mounting Post should fit tightly against the composite sole plate.

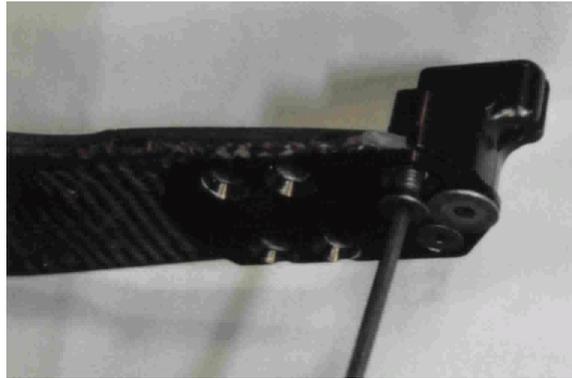


Figure #3.26 - Attach Achilles Mount Post

26. The mechanical ankle assembly is attached to the Composite Sole Plate (T1FTM010) by positioning the ankle assembly using four 1/4-20 x 5/8" FHSCS {5/32} which pass through the front four countersunk holes of the Ankle / Achilles Mounting Plate and through the sole plate, as shown in **Figure 3.27**.



Figure #3.27 - Attach Ankle Assembly

27. The THOR-LX / HIIr foot has been designed to use a triaxial accelerometer array consisting of three uniaxial accelerometers mounted to a tri-pack block which is attached to the sole plate of the foot assembly. The mounting procedure is explained in detail below:

Tri-Pack accelerometers mounting: Refer to drawing T1LFTM000 for additional details. This type of triaxial accelerometer consists of a Tri-Pack Block (T1INM130) which holds three uniaxial accelerometers (T1INM110) on the outer surface. The three uniaxial accelerometers are mounted on the tri-pack block using six #0-80 x 1/4" SHCS {0.05}. The orientation of the accelerometer units is +X forward, +Y Right, +Z Down, as shown in **Figure 3.28**.

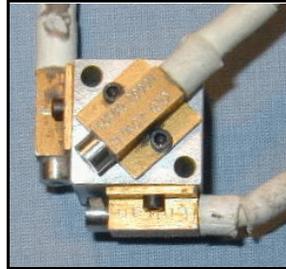


Figure #3.28 - Tri-Pack Mounting Block

The Foot Tri-Pack Mounting Plate (T1FTM012) is mounted onto the composite sole plate using two #4-40 x 1/4" FHSCS {1/16}, as shown in **Figure 3.29**.

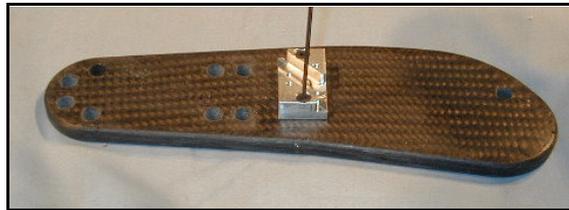


Figure #3.29 - Tri-Pack Mounting Plate

The instrumented Tri-Pack block is mounted to the front of the Foot Tri-Pack Mounting Plate using two #2-56 x 9/16" SHCS {5/64}, as shown in **Figure 3.30**.

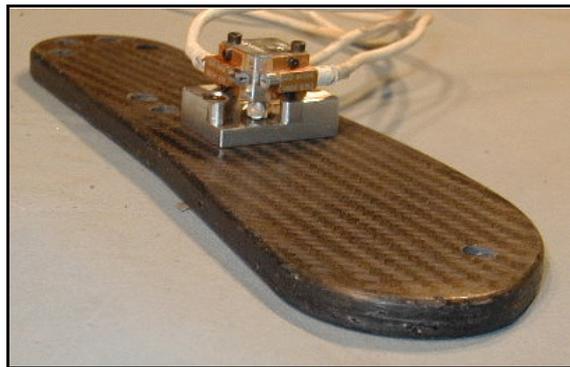


Figure #3.30 - Tri-Pack Assembly