

# Pro-Tools Hydraulic Tubing Bender Assembly Instructions

- Insert casters in each leg and tighten nut with 3/4" wrench.

- **Tip:** Insert stud of caster into leg and hand tighten nut. Put wrench on nut, lock the caster, and spin the caster by hand to tighten. This process helps increase leverage when tightening down the casters.



1.



2.

- Push caps in the ends of each leg closest to caster.

- Back legs must be installed at an equal distance.  
- Front legs must be installed all the way in  
- Tighten set screws with 1/4" allen wrench.



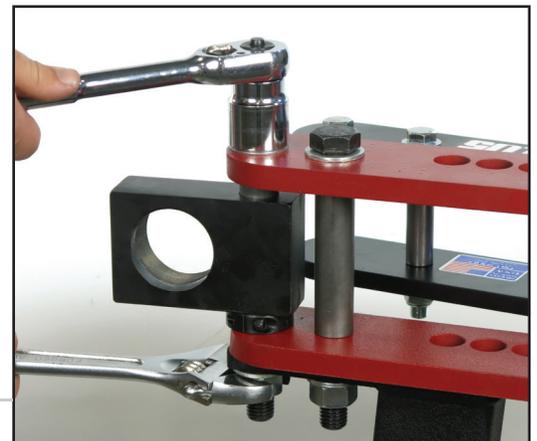
3.



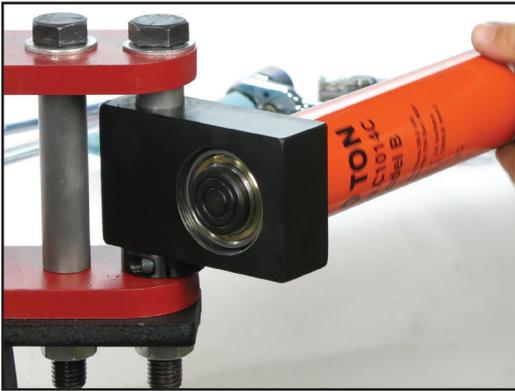
4.

- Finished product should look like this.

- Attach the bender to the pedestal using the two bolts on the stationary arm.  
- Tighten down with 1-1/8" wrenches



5.

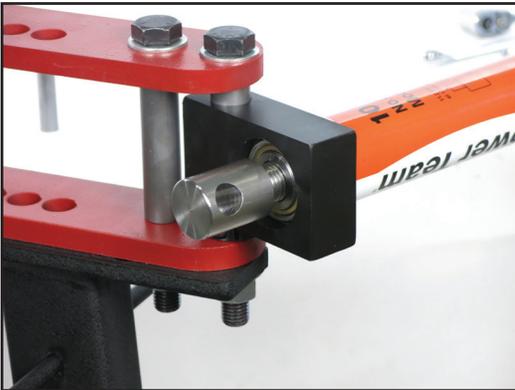


6. - Thread hydraulic cylinder into recessed side of cylinder block.

- Remove cap from cylinder so yoke can be installed.



7.



8. - Fully thread yoke into cylinder.

- Bring the swingarm towards the cylinder and install pin.



9.

## ELEC/HYDRAULIC ASSEMBLY

(Skip to step 13 for Air/Hydraulic Assembly)



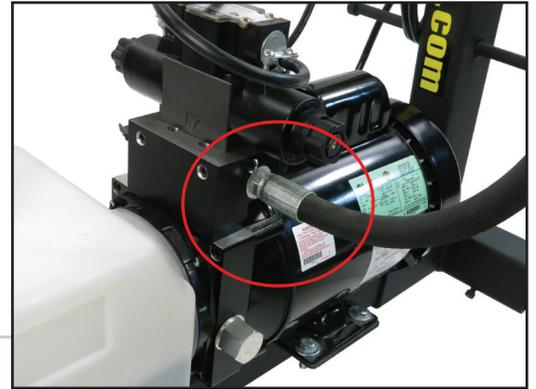
10. - Attach pump as shown in the photo using the included 5/16" hardware.

- Fill pump reservoir 3/4 full with ISO 46 hydraulic oil.

10.

- Remove plastic cap and install hose to pump.

11.



12.

- Install other end of hose to the hydraulic cylinder.
- Cycle cylinder several times and top off electric pump reservoir to 3/4 full with ISO 46 hydraulic oil.

## AIR/HYDRAULIC ASSEMBLY

- Remove plug shown and attach hydraulic hose.

13.



14.

- Install other end of hose to the hydraulic cylinder.

- Thread appropriate air fitting in back of pump. (customer supplied)
- Cycle cylinder several times before bending material.

15.

