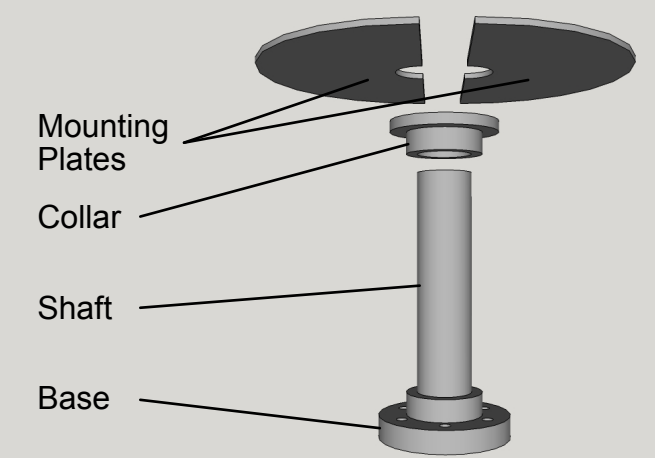
Thank you for using our Cowling Installation Tool. This tool is designed to give you stable platform from which to work while you do the work to trim and fit your cowling.



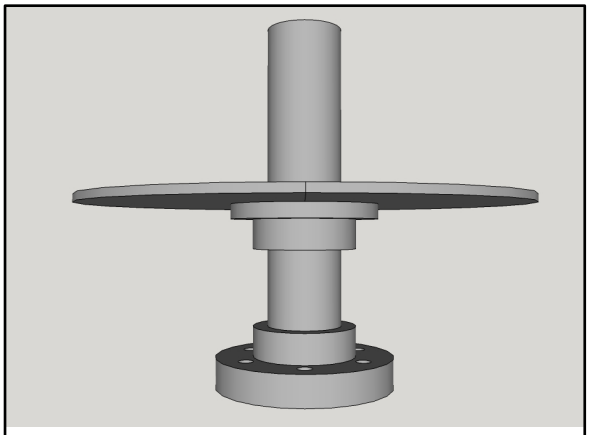
Before you start this job, you will need to know where you are planning the final position for the cowl, expressed in terms of the distance from the face of the flywheel to the front face of the cowling. If you don't have this dimension available, you can check with your propeller manufacturer or do a test assembly of the propeller hub and spinner, then measure the dimensions you need. Every airplane is likely going to be a little different, so you need to make sure that you have the dimension that is correct to your specific combination of engine, propeller, and spinner.

To use this tool, insert the shaft into the base, and run the threaded piece through the center of the assembly from the bottom, seating the base of the threaded piece into the slot in the tool base. Use the included hardware to put a nut on the top and tighten the assembly. Then bolt the tool base to the crankshaft hub, normally with your flywheel/starter ring in place.

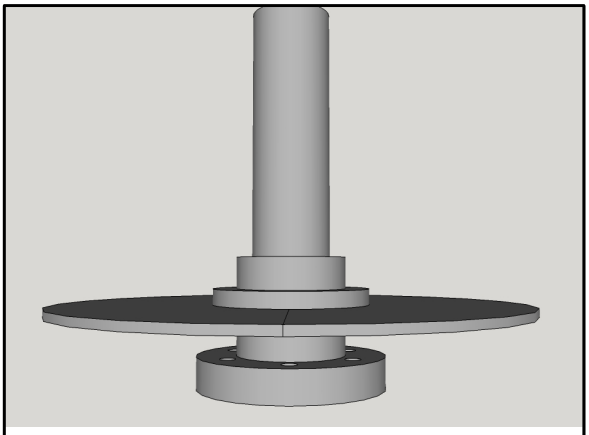
Using the included screws, attach the mounting plates to the collar and slide the collar onto the shaft.

There are length markers machined into the shaft of the unit. These indicate distance from the surface of the base, and can help you to place the platform appropriately. Refer to the dimensions you received from your propeller manufacturer or that you took yourself during test assembly.

The collar and mounting plates can be oriented either direction (as shown below). Typically, use the low configuration shown here for mounting distances lower than 3", and the high configuration for everything else. Use the clamping hardware on the collar to set its position.



High Configuration (collar on bottom)



Low Configuration (collar on top)

This tool will accommodate travel down to within about one inch of the base. However, at the low end of the tool's travel, the hardware heads from the plate and base mounting may interfere with travel. If you need more downward travel than you are getting, you can try to offset the hardware or get in touch with us for countersunk hardware.