

How to Use the Spindle Removal Tool

CAUTION!!

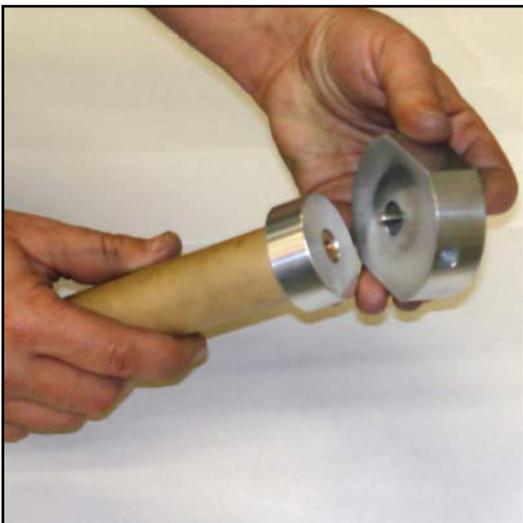
Working with pyrotechnic devices is a very rewarding endeavor that can become a lifetime passion. To ensure continued enjoyment of this hobby, please follow appropriate safety guidelines. Work in an open area outdoors, keep all pyrotechnic mixtures in closed containers, limit any compositions to only the amount needed for a particular item, store finished items in an appropriate day box or magazine, be sure to wear appropriate non-synthetic clothing, wear eye protection and keep a source of water nearby. FireSmith cannot be held responsible for any accidents or incidents resulting from the construction and use of any pyrotechnic devices. It is highly recommended to check and adhere to all local, state and federal regulations. Please consider joining the PGI and any pyro clubs in your area so that you may construct pyrotechnic items in a safe and legal environment. Additional information can be found at www.pgi.org.



The FireSmith Spindle Removal Tool is designed to both enhance the safety of rocket construction and reduce the effort required to remove a rocket motor from its spindle. The potential hazards and motor damage associated with using clamps, pliers or wrenches to twist a completed motor from a spindle are greatly reduced as well. This tool is quite easy to use by simply following these instructions:

Step 1

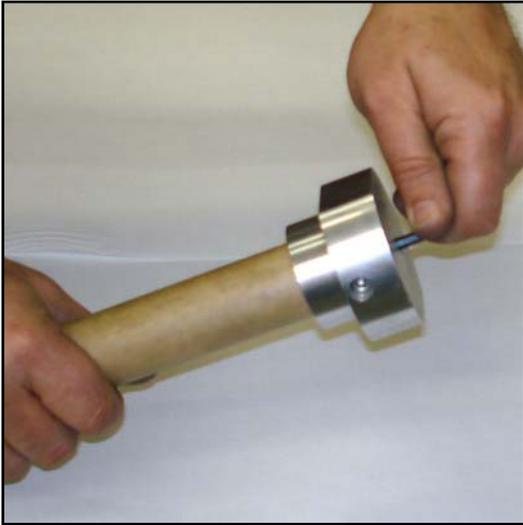
After removing the pressed motor from your tube support, remove the base from the spindle/pressed motor and slip the removal tool over the bottom of the spindle/pressed motor.



Step 2

Set the base on the spindle/pressed motor and insert the 1" long cap screw through the base and into the bottom of the spindle.

*The 1" long cap screw came with your spindle removal tool. It is longer than the screw that came with your rocket tools. You must use this screw for the spindle removal tool to work properly.



Step 3

Using a 3/16" Allen key or T-wrench, tighten the screw until the spindle is pulled out of the pressed motor. Once the screw is "snugged up" it should only take one or two revolutions of the screw to pull the spindle out of the motor.



Step 4

Set your completed motor aside (in a day box, please) and unscrew the spindle from the base and removal tool. Reattach the spindle to the base and build another rocket.