

Make Quill Seal

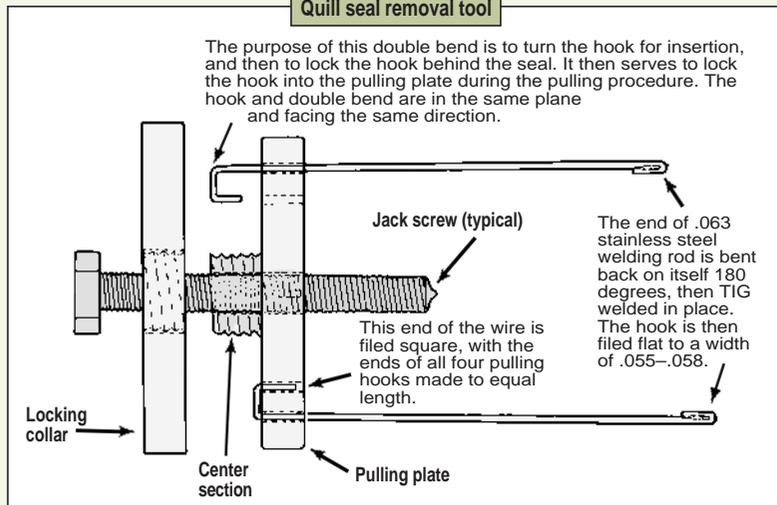
Dear Editor,

Removing the Black Hawk's input module quill seal is tricky business.

The procedure in TM 1-1520-237-23-4 takes up to 4 hours to do, and grounds the aircraft for 24 hours. If you're not careful, you can damage the seal housing, the input flange, and possibly your knuckles.

But, we've come up with a tool that lets us do the job in 1 hour, doesn't damage the seal housing and only grounds the aircraft for the time it takes to do the job. Any AVIM shop can make the tool. You make it like so:

Quill seal removal tool

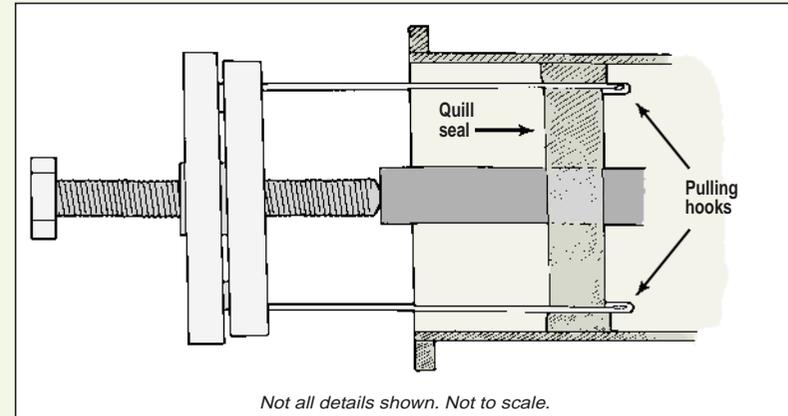


- The pulling plate and locking collar are made from 4 x 1/2-in 6061-T6 aluminum bar stock.
- The center section is made of 1-in aluminum round stock.
- The pulling plate has four pulling hooks made out of 1/16-in stainless steel welding rod and placed at 90° intervals. The holes are spaced 1 inch apart around the pulling plate.
- The jack screw is a 1/2 x 8-in bolt.

Removal Tool

Once the tool's made, use it like this:

1. Turn the hooks 90° and insert them into the gap around the seal. While the hooks are in place behind the seal, turn them back 90° and lock them into the pulling plate.



2. Turn the locking collar down on the double bends until snug.
3. Finally, turn the jack screw to remove the seal.

SPC Joel L. Zinne
K Co, 158th Avn
Ft Carson, CO

FROM THE DESK OF THE Editor

Good work. This special tool should save repairmen lots of time.

WITH THIS NEW TOOL, I CAN FIX YOUR QUILL SEAL A LOT QUICKER!

INSTEAD OF DOWN AND OUT, I'LL BE UP AND FLYING!