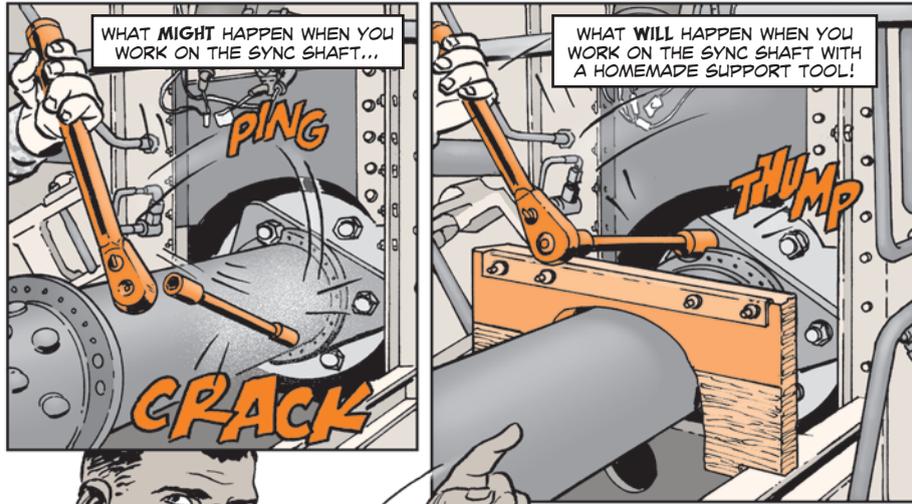


SHAFT TOOL PREVENTS DAMAGE!



THE SYNC SHAFT SUPPORT TOOL WILL MAKE YOUR WORK SAFER AND EASIER!

Dear Sergeant Blade,

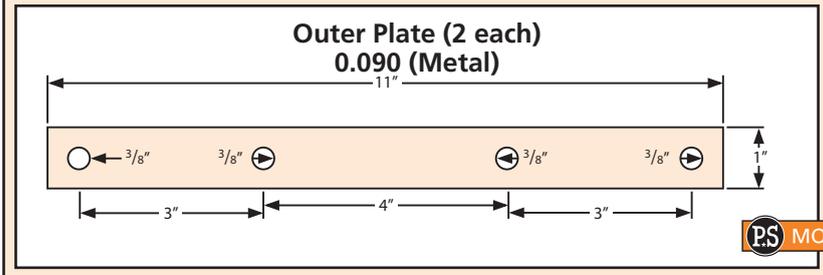
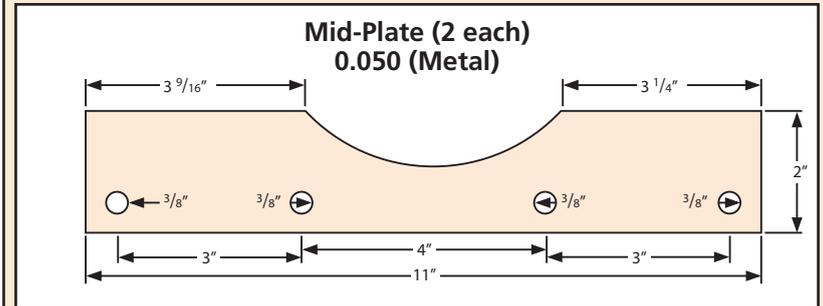
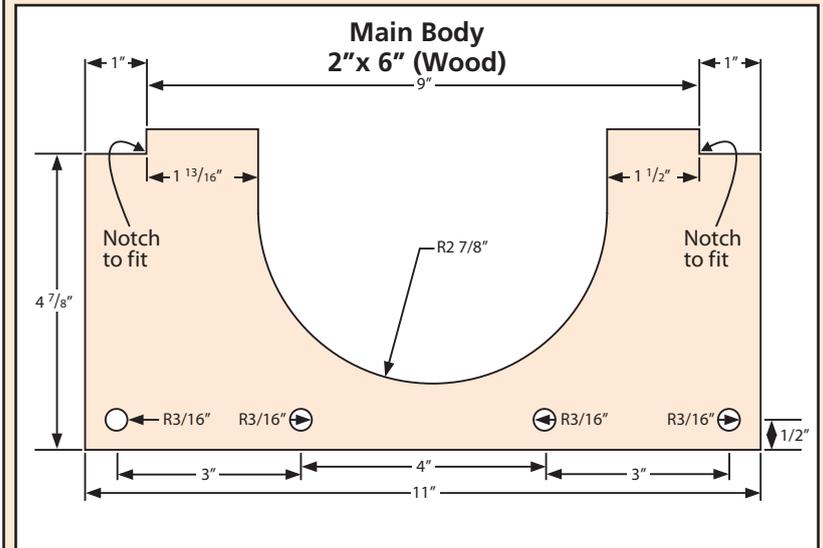
As Chinook mechanics, we often work on the No. 1 aft synchronization (sync) shaft forward end. It is located behind the combining transmission in the ramp area and it's not easy to access. We use a stepladder to get to the shaft and the workspace is real tight. The remove and install procedures are in WP MO1079 and MO1088.

The tools required to work on the shaft consist of a ratchet wrench to hold the bolt from the front, an extension and a deep well socket to turn the nut. The problem is, the ratchet with the extension is too close to the aft synchronization shaft. That is too close for comfort because if the ratchet and extension slip off the nut and hit the shaft, the result could be nicks, scratches or gouges on the aft sync shaft. Then we have to replace a damaged shaft to prevent drive shaft failure or an imbalance that can lead to excess shaft vibration.

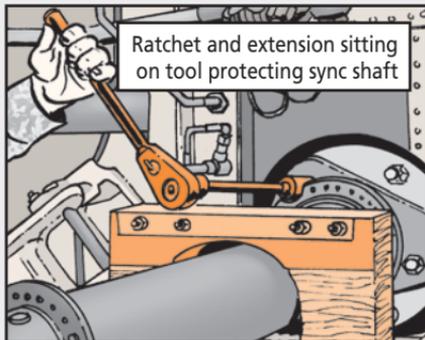
We've come up with a sync shaft support tool that we place over the shaft. It allows us to turn the nut while the ratchet and extension rest on the support. If it slips off while we are cranking, the wooden shaft support takes the hit and not the shaft itself.

The tool is simple to make using common hand tools and hardware. The tool is made from a 2" x 6" piece of wood cut to fit over the synchronization shaft and sits on the airframe sync shaft support. We notch it so that it fits around the shaft. Then we use metal strips on each side of the top edge to prevent the wood from splitting or getting damaged while using the ratchet. The metal strips are attached using four bolts and four nuts.

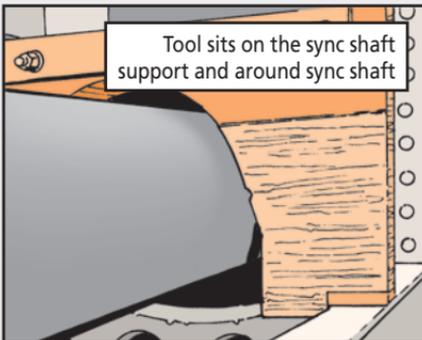
To make the wooden shaft support, use the dimensions below.



When you're done, the tool should look like so when placed over the shaft. This tool saves us time and could prevent damage to the aft sync shaft.



Ratchet and extension sitting on tool protecting sync shaft



Tool sits on the sync shaft support and around sync shaft

SPC Kyle Miller
Joint Base Lewis-McCord, WA

Dear Specialist Miller,
Thanks for the great idea. Now you can work on the shaft without damaging it.

"Rotor" Blade



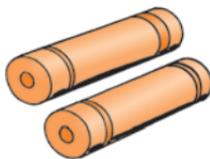
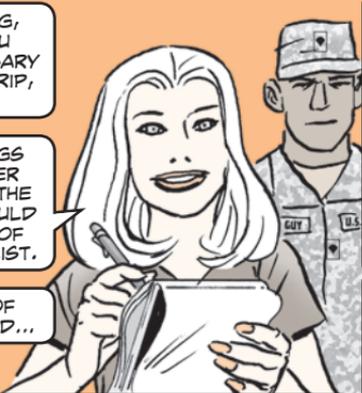
ELSE...

Food Saver Items and Sealer

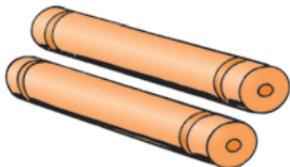
WHEN DEPLOYING, MAKE SURE YOU PACK ALL NECESSARY ITEMS FOR THE TRIP, ELSE TECHS.

IMPORTANT THINGS LIKE FOOD SAVER MATERIALS AND THE BAG SEALER SHOULD BE ON THE TOP OF YOUR SHOPPING LIST.

HERE'S A LIST OF NSNS YOU'LL NEED...



NSN 8105-01-381-6365 brings 8-in x 20-ft plastic wrap



NSN 8105-01-381-6374 brings 11-in x 20-ft plastic wrap

Item	NSN	Size
Electric sealing iron	3540-01-386-2478	NA
Plastic bag	8105-01-381-6365	8" x 20'
Plastic bag	8105-01-381-6374	11" x 20'