

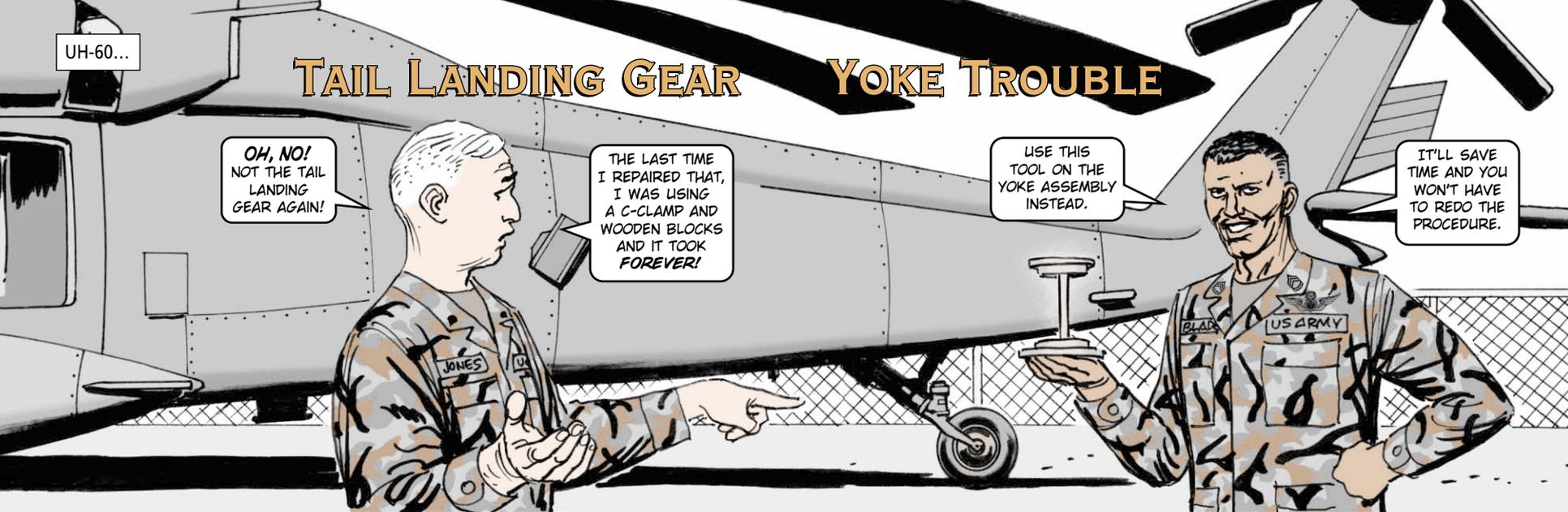
TAIL LANDING GEAR YOKE TROUBLE

OH, NO!
NOT THE TAIL
LANDING
GEAR AGAIN!

THE LAST TIME
I REPAIRED THAT,
I WAS USING
A C-CLAMP AND
WOODEN BLOCKS
AND IT TOOK
FOREVER!

USE THIS
TOOL ON THE
YOKE ASSEMBLY
INSTEAD.

IT'LL SAVE
TIME AND YOU
WON'T HAVE
TO REDO THE
PROCEDURE.



Dear Rotor,

The teflon-coated bearing sleeves, NSN 3120-01-139-2099, and the teflon-coated washers, NSN 3120-01-107-4189, are difficult to install on the UH-60's tail landing gear yoke.

The procedure in Paras 3-4-25.5 and 3-4-25.6 of TM 1-1520-237-23-3 takes several hours for each aircraft and still the washer won't always line up properly on the yoke. We often have to redo the procedure.

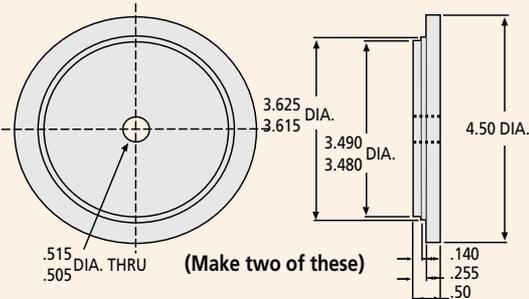
The procedure uses a C-clamp and two wooden blocks on the yoke. Then it has us apply pressure to the bearing sleeves and the washers to make sure the sealing compound is squeezed out uniformly around the washers.

This method forces the washers out of alignment on both the top and underside of the yoke. If the adhesive on the seal dries on the yoke, it's difficult to insert the fork assembly through the yoke with off-center washers.

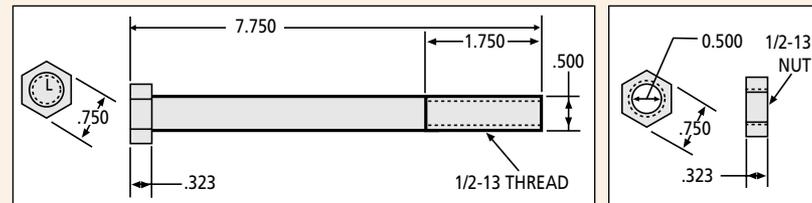
But we've come up with a reversible teflon bearing washer tool that'll insert the bearing sleeve and seat the washer properly.

The new tool prevents damage to the new washer and yoke during installation, and cuts our repair time to 30 minutes.

Here are the materials and dimensions an AVIM shop can use to make a bearing sleeve tool. Make the tool from aluminum bar, NSN 9350-00-236-3184, like so:



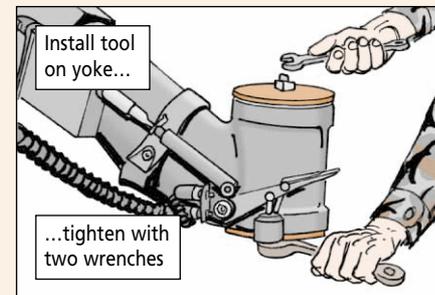
You'll also need a 1/2-13 x 13-in bolt and a 1/2-13 nut.



After the tool is made, we follow the TM procedure as required. After the washers are in place on the yoke, seat the plates on each end of the yoke. Insert the bolt from the bottom of the yoke through the plate's holes. Attach the nut and tighten it with two wrenches until the sealing compound squeezes out uniformly. Continue to follow the rest of the procedure as required.

Sgt Andres Chamorro, Jr.
MAARNG

PS 602



Another great tool
for a mechanic's
arsenal!
Rotor Blade