

FILTER SLEEVE REMOVAL MADE EASIER

THIS POSITIONER TOOL IS WORKING MY NERVES BETTER THAN IT IS THIS FILTER SLEEVE!

HERE, TRY THIS NEW POSITIONER TOOL ON IT.

NOT ONLY WILL IT SAVE YOUR KNUCKLES...

...IT WON'T TAKE A LOT OF MUSCLE WORK!

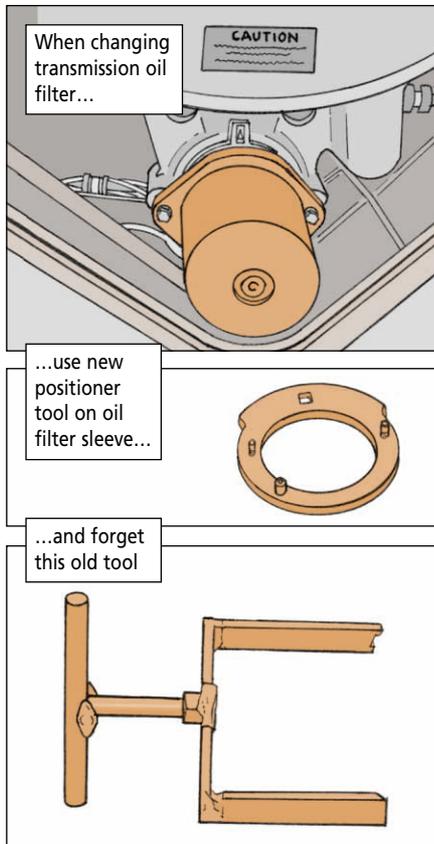
Dear Windy,

Our mechanics had a tough time repositioning the main transmission oil filter sleeve using the positioner tool called for in Para 6-4-18 of TM 1-1520-237-4.

It takes a lot of muscle to turn the tool, so sometimes a hammer and punch is used to reposition the sleeve to shut off the flow before changing the filter. That can damage the filter sleeve tang area. If the sleeve was previously damaged, the positioner won't work at all.

Mechanics can end up with busted knuckles, cuts and abrasions using the tool. The punch and hammer can lead to depot level repairs to replace the filter sleeve and the transmission. The end result is costly downtime and reduced operational readiness.

We've come up with a new positioner tool that prevents damage to mechanics' hands, and safeguards the filter sleeve and the transmission sump case. It cuts the time needed to change the transmission oil filter by 50 percent. The tool even works on the sleeve if the tang area was damaged previously during a filter change.



Here are the materials and dimensions an AVIM shop can use to make the tool:

Once the tool is made and you've removed the bolts holding the filter assembly to the main gear box sump like the TM says, slide the new tool onto the filter bowl.

Make sure the positioner tool pins go through the bolt holes of the filter bowl and sleeve. Then insert a 1/2-in drive pull handle into the opening on the tool and rotate the sleeve assembly clockwise to the OFF position and remove the housing.

Follow the rest of the procedure in Para 6-4-18-1.

David Leak
Ft Rucker AL.

From the desk
of the Editor

Great idea! Looks like this new tool will be more user friendly and easier to use.

1. MAKE FROM TOOL STEEL, CONDITION N (MIL-5-18729)
2. BREAK ALL SHARP EDGES 0.005-0.015"
3. TOLERANCES UNLESS OTHERWISE NOTED ± 0.005
4. TO ENHANCE HEAT DURABILITY, HEAT TREAT AFTER MACHINING TO ROCKWELL C26-33, per MIL-4-6875
5. MAKE TWO 1/4"-28 UNF, GRADE 8, x 1.000" LONG BOLT OR EQUIVALENT
6. IDENTIFY TOOL, OIL FILTER FLOW VALVE POSITIONER, AS PER MIL-STD-130
7. MAKE FROM 1/2 TUBE STEEL 0.65" LONG PRESS FIT AND SEAL

