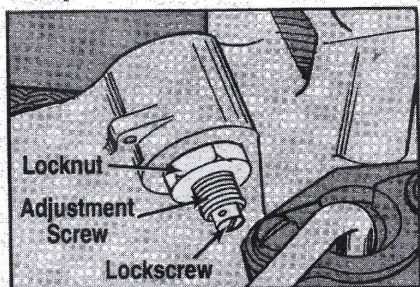


# Bleed Band Adjusting Tool

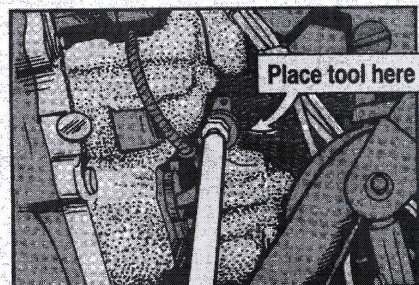
**M**aking an interstage bleed band closure adjustment on your bird's T53 engine can be a real test of patience.

That's because the adjustment screw turns when you tighten the locknut, shifting the closure point to a higher N1 speed.



Most engine mechanics hold the adjustment screw with pliers while they tighten the locknut. But pliers don't keep the screw from turning as the locknut turns. Since  $\frac{1}{8}$  turn equals one RPM of change in the N1, it's almost impossible to make an accurate adjustment.

Birchell Gragson of Ft Knox, KY, solved the problem by making a tool that grips the adjustment screw better than pliers. Even if the adjustment screw turns a little, the tool handle lets you determine exactly how much it has turned.



The tool eliminates a lot of guesswork, cuts the number of shut-downs and restarts required, and saves a lot of time.

All you need to make the tool is a 13-in piece of  $\frac{1}{4}$  inch diameter aluminum tubing and an oil sample tube, NSN 4720-00-964-1433.

## Here's how to make the tool:

1. Bend the aluminum tube 90 degrees three inches from one end.
2. Force the oil sample tube onto the other end of the aluminum tube.
3. Cut off most of the plastic tube, leaving only  $\frac{1}{2}$  inch extending beyond the end of the aluminum tube.

