

ComancheZOOM for December 9, 2021

## TOPIC: Comanche Rigging and ProPilot announcement

Correct rigging of your Comanche is one of the best tweaks you can do for optimum performance and speed. Shops which do autopilot installs report nearly 95% of aircraft that come in are out of rig, necessitating an extended addition in time and cost for the install.

Using the tools described in the Comanche service manuals and following the correct procedures will get you close, but getting it just right is, as Zach Grant calls it, a black art. But when the rig is right, it is right on.

Pat Keefer, talking about her round-the-world air race winning Twin, related this story.

*“Rigging is fascinating because it is the core of what makes the Comanche such a great, stable IFR platform. My most recent experience was a BFR with a non-Comanche CFI. She wanted to do unusual attitude recovery. Had me close my eyes and she waited for the plane to move off of trimmed straight and level cruise. It kept flying straight and level. She waited some more - still no movement.*

*“She remarked that it just kept flying and I said, ‘If you want the Comanche to do something unusual, you will have to move the controls’*

*“Love telling that story!*

*“That being said, the Service Manual is really great in terms of what tools can be built. The control cables are key. Like the gear adjustment, it is an iterative process. So many folks just bend the aileron trim tabs and that is just so wrong as a starting place, and it just adds drag.*

*“Having good rigging is like having a well-mannered child - you should be able to leave it alone for a few minutes and it will behave itself.”*

Also in this ComancheZOOM, Mark Sullivan reports that the ProPilot autopilot has finally been approved and will be shipping in the next few weeks.

Click on the links below to view/hear the Zoom recording.

- <http://meetings.northeastcomanche.org/zoom/2021-12-09/video.mp4>
- <http://meetings.northeastcomanche.org/zoom/2021-12-09/audio.m4a>

To read the Chat items go to:

- <http://meetings.northeastcomanche.org/zoom/2021-12-09/chat.txt>

Pete Morse for the ComancheZOOM team



Comanche rigging tools

