

ComancheZOOM, Thursday, October 25

**Topic: Comanche Gear operation - Part 3**

...or things you should know about the interaction of the landing gear system components.

Many Comanches are still flying with original or very old main landing gear assist springs. Springs, as a type of part, have a useful life, and can lose strength with age and repeated use, or with corrosion. This decrease in strength could become a real safety issue.

Originally Piper called for changing the Comanche main gear assist springs and bungee cords every 5 years. The later 1000-hour Gear Inspection AD calls for replacement in part B. The AD calls for bungees replacement every 3 years, but the call for main gear assist spring replacement was dropped. (you'll never guess why)

In this Zoom, the presenters describe the function and interaction of the various landing gear components (nose gear springs, main gear assist springs, bungees) and how weakness of any one element may affect the safe operation of the landing gear system.

The presenters then go on to describe the replacement method for the main gear assist springs. They make use of PowerPoint slides, diagrams from the Piper Service Manuals, and close up videos of each gear in action.

Zoom registration was not required for this presentation.

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To see/hear the recordings click on a link below:

- <http://meetings.northeastcomanche.org/zoom/2024-10-24/video.mp4>
- <http://meetings.northeastcomanche.org/zoom/2024-10-24/audio.m4a>

To read the Chat text click on this link:

- <http://meetings.northeastcomanche.org/zoom/2024-10-24/chat.txt>

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