

ComancheZOOM for Thursday, Sept 18, 2025

Topic: Aircraft Electrical Issues – Charging System

This Zoom is a continuation of the topic from the Sept 11 Zoom presentation.

We will talk about the interaction between the voltage regulator and battery longevity. Greg Broburg, an EE, circuit designer, and radio tech, has put together a detailed dive into the electrical and charging system. Attendees on Sept 11 were asked to bring their experiences with aircraft electrical problems to the Zoom. Greg commented on many of them and a means of dealing with them. Their stories of electrical power problems (alternator, generator, battery, or regulator) and how it affected your aircraft performance were posted in the Chat menu. Many were covered, and the rest were to be reviewed in this Zoom.

Greg spent a great deal of this Zoom describing the trouble shooting process for problems with the charging system. After describing the working of a three-wire voltage regulator, Greg went on to detail how to test the installed system (voltage/current/resistance). This led to a lively discussion shared by a number of highly qualified mechanics.

Greg also reiterated his off to answer any questions from pilot/owners who contact him.

To see/hear the Sept 18 recordings, click on a link below:

- <http://meetings.northeastcomanche.org/zoom/2025-09-18/video.mp4>
- <http://meetings.northeastcomanche.org/zoom/2025-09-18/audio.mp4>

The Chat file contains many questions and comments. To read them click on the link:

- <http://meetings.northeastcomanche.org/zoom/2025-09-18/chat.txt>

Pete Morse for the ComancheZOOM team