



Systems

Teaching Airplane Systems and Stick Forces— A Logical and Underwhelming Approach

Teaching Systems and Stick Forces

The Problem

Too Much Too Soon

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The Solution

Teach it one or two systems at a time

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Emergency Checklist

Use the Emergency Checklist to add Substance and Motivation

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Start with the Easy Stuff

Interior Lights, Ventilation, Doors, Seats, etc.

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Use the POH – Better Yet My Systems Guide

When possible, always use images, diagrams, schematics, etc.

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Consolidate info on the POH Diagrams and Schematics

Take a picture of the diagram and annotate it

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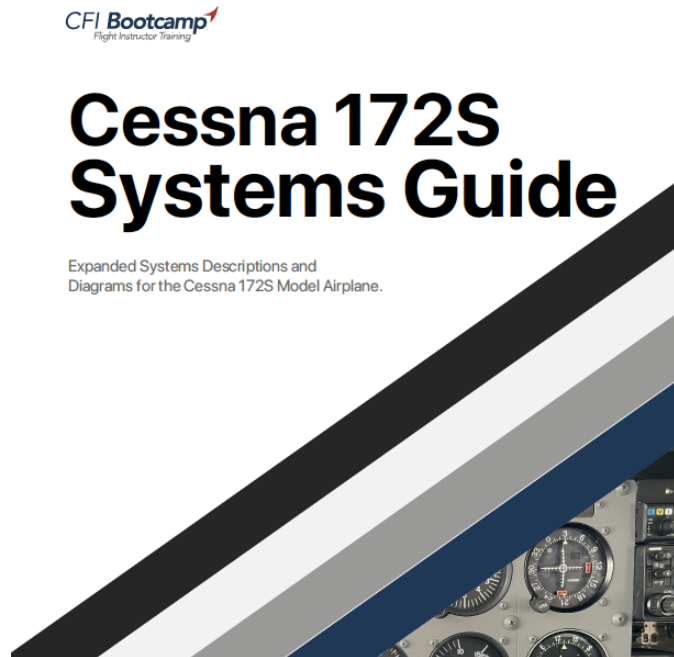
Why do people struggle with the electrical system?

They don't know anything about electricity and it's not intuitive

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The Guide

A Systems Guide I wrote. You can do the same

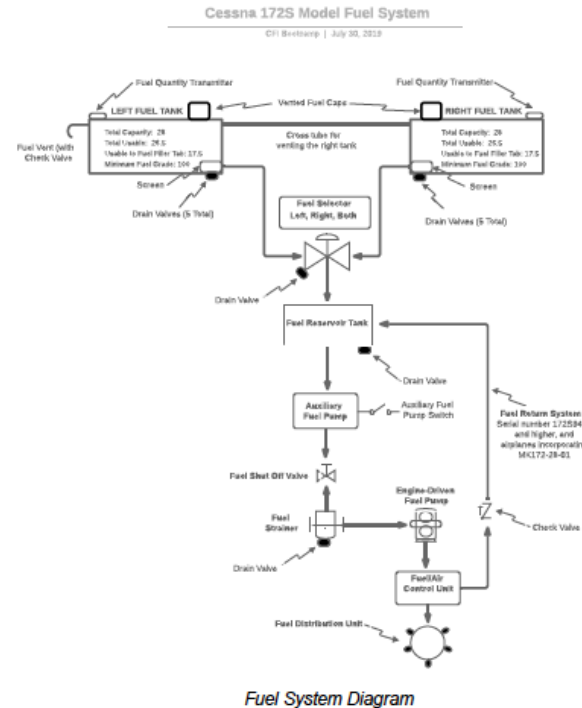


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Fuel System

Fuel System 172 Systems Guide

CFI Bootcamp¹
Flight Instructor Training



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Contactor/Relay/Solenoid



*An Actual Contactor, Relay, Solenoid
- Mounts to the Firewall*



*Inner workings of a Contactor,
Relay, Solenoid*

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Buss



Busbar Example – Not the Actual Busbar Used in the 172

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Simplified Schematic Diagram of a C172S Electrical System

