Airworthiness Committee
Status Report

New Board Meeting

9 September 2010

Annual Convention

San Diego, CA

Focus on Parts Availability

- Needs include:
  - Structural metal parts
  - Formed metal parts
  - Forged and machined parts
- Parts not deemed difficult to obtain
  - Engine parts
  - Propeller parts
  - Wheels and calipers
  - Service limited parts (tires, plugs, filters, etc.)
  - Mechanical hardware

Structural Metal Parts

- Reports of cracked rudder spars
    - Easily formed by competent shop
    - Simple bends on a brake
    - Match drill at replacement

Formed Metal Parts

- Gear Up/Collapse Landing
  - Requires replacement of frames, longerons and skins
  - Formed on tooling using 2024-0 condition material
  - After forming, heat treat to T42 condition
  - Install using conventional riveting methods
- Two Shops Known to have Tooling
  - Webco
  - Aircraftsman
- Parts are fabricated as "Owner Produced" per 21.303

Forged and Machined Parts

- This may become a problem in the Future
  - Piper is producing torque tubes and horns
  - Australians are in process of producing horns
- New Production Parts
  - Requires an STC and PMA to be fabricated and sold
  - If owner produced, still requires design approval

Webco Parts Supply

Webco Parts Supply

Webco Repairs

- Has DER approval to overhaul fuel valves for Twins
    - Unknown if valves for singles are included
    - New valves in production
- Landing gear motors and transmissions not serviced
    - There may be other providers
- Fuel boost pumps not serviced
    - There are other provides of new and overhaul units
- Existing PMA'd parts approval still valid and producible
- Bob Weber has indicated to Dave F that historical knowledge will be passed to ICS if things go bad

Summary

- At the present time, parts availability is not deemed critical

- As Fleet ages, some parts may become rare

- "Owner Produced" parts allows considerable flexibility

- Work must continue to locate all serviceable and new parts