

## Annual Inspection Airframe T – 51

S/N \_\_\_\_\_

TACH/HOBBS \_\_\_\_\_

DATE \_\_\_\_\_

### General

- Squawk Sheet
- Manuf. Bulletins
- Gen. Main. Insp. Aios
- Battery on Charge
- Check Applicability of AD's

### Fuel

- Insp. Liquid meters
- Drain Tank Sumps
- Flush Low Point Drains
- Check Vents (UNOBSTRUCTED)
- Check Tank Placards

### Fuselage

- Insp. Fabric & Skin
- Systems & Components
- Static Port (UNOBSTRUCTED)

### Wing

- Insp. Span Bolts
- Check Freedom of Movement  
Ailerons, Flaps
- Insp. Ailerons;  
Hinges, Flap Links, Flap Motor

(Wing cont)

- Insp. Internal Structure
- Insp. Cond., Loose/Missing Rivets.  
    Leading Edge/Foam Attachment
- Electrical Wirings Equip.
- Insp. Plumbing
- Cond. Of Wing Walk

#### Trim Mechanisms

- Insp. Elevator

Hinges & Pins – P/P. Rod Attach.  
Lube. Bell crank

- Insp. Rubber

Hinge, Pins, Cables & Tension

#### Landing Gear

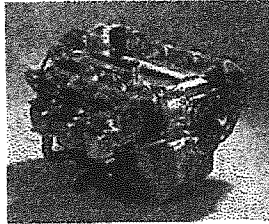
- Check Tires, Wear & Pressure
- Wheels  
    Cracking, Breaking Condition
- Insp. Brakes;  
    Discs            Linings  
    Lines            Defects  
    Fluid Level
- Struts  
    Condition, Height, Air/Fluid
- Put Aircraft on Jacks
- Insp. Gear Attachments & Bushing
- Check Condition of Bulk Heads
- Insp. Retract Mechanism
- Insp. Hyp. System;  
    Fluid, Lines, Check for leaks
- Check Electrical Sys.  
    Cycle Landing Gear
- Insp. Emergency Extension System
- Inspect Down-Locks
- Doors for Fit (Linkage)
- Operation, Position Indicators
- Warning Horn and Light

#### Cock Pit

- Check Brake Res.-Fluid.
- Interments, Plumbing & Wing

(Cockpit cont)

- Rudder Pedals, Security-Clearance  
    Lube Rudder Bar
- Rudder Release Latch & Spring
- Flight & Engine Controls  
    Freedom of Movement
- Check Operation of;
  - Cockpit Heater      Electrical Fuel Pump
  - Instrument Lights    Navigation Lights
  - Strobes              Landing Light
- Insp. Instrument Mounts
- Insp. Instrument Markings
- Compass Correction Card
- Check Cleanliness & Cond. Of Canopy, Upholstery, Windshield
- Seats for Attachment
- Condition of Seat Belts
- Presence of Documents
  - Registration
  - Certificate of Airworthiness
- Install Insp. Covers



## Annual Inspection Form-Engine

Make \_\_\_\_\_ Model \_\_\_\_\_ S/N \_\_\_\_\_ Tach/Hobbs \_\_\_\_\_ Date \_\_\_\_\_

- Check Engine & Accessory A.D. 'S.
- Remove Cowl & Spinner
- Drain Oil, Remove Oil filter and Inspect
- Add New Oil, Amount: \_\_\_\_\_ Type: \_\_\_\_\_  
Install New Oil Filter Type: \_\_\_\_\_  
Safety Drain Plug
- Compression Check  
1.     /80   2.     /80   3.     /80   4.     /80  
5.     /80   6.     /80
- Inspect Ignition system.  
Magnetos-  
Electronic-
- Check Timing
- Clean, Gap, Test Plugs.  
Replace With New.     Type \_\_\_\_\_
- Remove, Replace Air Filter
- Visually Insp. For Excessive Fuel, Oil-Leaks
- Clean Gascolator Screen & Safety  
Replace Fuel Filter
- Check Propeller track
- Insp. Propeller Blades, Hub, and Clamps
- Check Propeller for Leaks
- Inspect Propeller for Security, Safeties
- Lube Propeller as Applicable
- Insp. Exhaust stack, Huts, springs, Etc.
- Insp. Egt Probe Mounting & Wiring
- Check Oil Temp Sys.
- Check Oil Press. Sys.
- Check Rocker Box Covers, Valve Covers

(Electronic cont)

- Check Injector Nozzles  
Carborator/Security/Function-Rotax
- Insp. Engine Mount, Bolts, Nuts
- Insp. Rubber Engine Bushings/Bonding
- Check Engine Controls for Proper Travel, Defects & Safe Tying
- Starter-Security & Mounting
- Alternator, Security, Belt, Belt Tension, Wiring-Warn. Lights
- Engine Driven Fuel Pump & Lines
- Prop Governor-Security/Operation
- Firewall & Seals
- Inspect Cowl, Spinner and Clean
- Reinstall Cowl & Spinner