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2844 Highway 231 N, Shelbyville, TN 37160    [www.flylightning.net](http://www.flylightning.net)    (931) 680-1781

## **Jabiru Engine Installation & Maintenance Seminar**

- *Coffee and pastries will be provided each morning at 8*
- *Lunch is catered for noon each day*
- *This is a full service shop and some Crew members are still working.*
- *ALL aircraft are privately owned. Please do not open doors or Canopy's*
- *WiFi: Network: Arion 2 5G. PassWord: Flywithus*

### **Day 1, Friday:**

- **Welcome to class:** *A bit of house keeping to help things run smoothly.*
- **Teacher and Student introductions**
- **Power Point and Hands on:**
- Engine components
- Systems
- How it works

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- **Hands on & In the Shop:** *Firewall forward Considerations and system installations.*
  - Airducts: mag tubes, damns, springs and tabs
  - Oil Cooler and adapter plate
  - Fresh air filter box: carb vent tube
  - Carb
  - Carb heat: gap to allow airflow
  - Cabin heat
  - Magento's, cooling, and P-Leads
  - Flywheel and integrated parts.
  - Regulator: wiring and tach hook up
  - Starter and relay
  - Master contactor
  - Oil temp sender: where to put it
  - Oil pressure sender: G or W stud
  - CHTs
  - EGTS
  - Fuel System: Pumps and other parts

### **Lunch Break**

- **Power Point & Hands on:** *The CV carb (Constant Velocity carb) and jabiru engine tuning*
- **Power Point :** *Tips for Operation of your Jabiru*

*Engine.*

- **Closing:**

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**Day 2, Saturday:**

- **Power Point:** *Break-in, Maintenance, and Continued Care of your Jabiru Engine*
- **Hands on in the shop:** *Engine maintenance*
  - Head Torque
  - Valve Adjustments (if applicable)
  - Magneto gap
  - Plug gaps/ caps/ rotors
  - Oil Pressure adjustment

### **Lunch Break**

- **Hands on in the shop:**
  - Proper cylinder removal and replacement
  - Cylinder Honing
  - Valve lapping and cylinder work
  - Crank Shaft run-out (prop Strike)
  - Engine Timing
  - General Engine Assembly tips
  - Application and use of Anerobic Sealer
  - Intake tube install and sealer application
- **Closing:** *Open Question and Answer session for*

*jabiru engines and anything aviation related.*