



## Aeroprakt A22LS “FoxBat” – Checklist and Procedures

### **V SPEEDS (KIAS)**

Vso – 32	Vs – 42	Vr – 22
Vx – 48	Vy – 54	Vg – 54
Vfe – 80	Vo – 90	Vne – 124

### **BEFORE STARTING ENGINE**

Preflight Inspection – Complete  
Passenger Briefing – Complete  
Seats – Adjust  
Seat Belts – Adjust and Secure  
Control Lock - Remove  
Cabin Doors – As Desired  
Brakes – Test and Set  
Circuit Breakers – Check In  
Electrical Equipment – Off  
Battery Disconnect Switch - On  
Fuel Shutoff Valves – On (left & right)

### **STARTING ENGINE**

Throttle – As Required  
Engine COLD  
    Carb Heat On  
    Choke Full Forward (On)  
Engine WARM  
    Carb Heat Off  
    Choke Full Backward (Off)  
All Electrical Switches – Off  
Insert Key, Turn to On Position (Master)  
Engine Indications – Verify No Red X’s  
Amps – Verify Discharge  
Nav Light – On  
Prop Area – Clear  
Engine COLD  
    Turn to Start for 5 Seconds – IGN Off  
    IGN A and IGN B On  
    Continue Start, 10 Seconds Maximum  
Engine WARM  
    IGN A and IGN B On  
    Turn Key to Start, 10 Seconds  
    Maximum  
Oil Pressure – Check  
Choke Lever – Full Back (gradually when engine runs smooth)  
Throttle – Set 1600 to 1700 RPM

### **STARTING ENGINE (continued)**

Carb Heat - Off  
Amps – Verify Charge  
Devices Switch – On  
Engine – Warm Up at 2000-2500 RPM (122° F) – Indicator will turn green

### **BEFORE TAXI**

ATIS/AWOS – Obtain  
Altimeter – Set  
Taxi Clearance – Write Down  
Hand Brake – Check  
Flight Controls – Positioned for Wind  
Flight Instruments – Check for Operation

### **BEFORE TAKEOFF**

Parking Brake – Set  
Rudder Pedals – Adjust and Secure  
Cabin Doors – Closed and Locked  
Flight Controls – Free AND Correct  
Flight Instruments – Verify No Red X’s  
Engine Indicators – Verify No Red X’s  
Fuel Gauges – Check  
Elevator Trim – Set for Takeoff (neutral)  
Throttle – 4000 RPM  
Ignition – Check  
    Max Drop of 300 RPM, 100 RPM differences  
Oil Pressure – 29-73 PSI at 4000 RPM  
Engine Indicators – Check  
Carb Heat – Check for Operation  
Amps and Volts – Check  
Annunciators – Check  
Throttle – Check Idle  
COM Frequencies – Set  
GPS Flight Plan – Enter When Required  
ADSB Switch – On  
Auto Pilot Switch – On (if desired)  
Transponder – Verify Squawk Code  
Flaps – 1<sup>st</sup> Notch, Wind > 16 knots, Flaps Up  
NAV Light – On  
Strobe Light – On  
Landing Light – On  
Parking Brake – Off



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### **NORMAL TAKEOFF**

Flaps – Up or 10 Degrees (10° recommended)  
Carb Heat – Off  
Throttle – Smoothly Apply Full Power  
Maintain Directional Control  
Establish 22 KIAS – Lift Nosewheel  
    Liftoff Airspeed – 43 KIAS  
    Accelerate to 54 KIAS within 3-7 feet  
    of ground, then climb  
    (V<sub>y</sub> = 54 KIAS)  
    Flaps – Retract at Safe Altitude

### **CRUISE**

Power – 4600-5000 RPM (75%  
Recommended)  
Trim – Adjust  
Lights – As Required

### **DESCENT**

Power – As Desired (5500 RPM Maximum)  
Altimeter – Set  
Wing Flaps – As Desired (see flap speeds)  
    10° - Below 80 KIAS  
    19° - Below 80 KIAS  
    Wind > 16 knots, Flaps Up  
Carb Heat – As Required

### **BEFORE LANDING**

Seat Belts – Adjust/Secure  
Carb Heat – On  
Landing Light – On

### **AFTER LANDING**

Carb Heat – Off  
Flaps – Up  
Strobe Light – Off  
Landing Light – Off Unless Conditions Require

### **SECURING AIRPLANE**

Parking Brake – Set if Necessary  
Throttle – Idle  
All Electrical Switches – Off  
IGN A & B – Off  
Hobbs/Tach Time – Record  
Key – Off  
Control Lock - Install