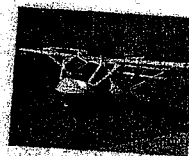


**SKYBOY LSA
PILOT OPERATING HANDBOOK
& FLIGHT MANUAL**

NORMAL OPERATING PROCEDURES



NORMAL OPERATING PROCEDURES CHECK LIST



Date: 6/14/06
Rev : 004

1. COCKPIT

- Turn Starter / Master switch to position "1" ON, check fuel quantity gauge, then turn OFF
- Engine magneto switches OFF
- Check fuel valve handle ON
- Check condition of the instruments and equipment
- Check all controls for freedom of movement
- Check condition of the cabin and transparent canopy.
- Lower flaps to 30° Position.

2. LANDING GEAR/RIGHT & LEFT SIDE OF CHAIN

- Check condition of the landing gear and brake(s)
- Check shock absorber
- Check for proper tire inflation. (Nose 23± 3 Mains 26±3)
- Check static port left & right side of fuselage for cleanliness.
- Check security of fuel cap.
- Drain fuel tanks and check for water

Date: 6/14/06

Rev.: 004

1. WING

- Check attachment bolts/nuts for proper safety.
- Check condition of wing covering
- Check ailerons, flaps for freedom of movement, excessive play
- Remove wing tie down
- Check security of strobe light
- Remove pitot tube cover

2. POWER PLANT

- Check engine oil and coolant levels
- Check propeller for nicks and security
- Check engine mount for security
- Check exhaust system for security of springs and cracks

3. CONTROL CABLES

- Check condition and tension of the rudder and elevator-trim cables.

4. EMPENAGE

- Check condition of the horizontal and vertical stabilizer covering
- Check rudder and elevator for freedom of movement
- Check tension of the flying wires and condition of turnbuckles and proper safety
- Check the tail-skid for any damage.
- Check rudder and elevators hinges for play and safetying

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BEFORE STARTING THE ENGINE

1. Complete inspection as outlined in previous pages .
2. Set flap handle to 0° Position;
3. Seats and seat belts- adjust and lock
4. Instrument static check - all normal
5. Check control column for freedom of movement
6. Brake(s) -test and set
7. Fuel valve ON.
8. Write hobbs meter reading

ENGINE STARTING -

1. Starter/Master switch to position "1" ON
2. Magneto switches ON
3. Throttle -closed
4. Electric fuel pump ON
5. Choke - as required
6. Propeller area - clear
7. Starter/Master switch - turn to ON (position 2)
and hold until engine starts.
8. Check for oil pressure indication
9. Slowly close choke
10. Idle: 2000-2300 RPM
11. Set timer T1
12. Set fuel flow meter

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AFTER ENGINE START

1. GPS ON and set
2. Radios set
3. Transponder set
4. Srobe Lights ON.

BEFORE TAKE - OFF

1. Throttle setting - 2000- 2300RPM
2. Engine instruments - within normal range
3. Magnetos Check at 3000 RPM (75 RPM drop maximum) differential between magnetos
4. Flight Controls - Check
6. Trim tab Take Off "setting"
7. Cabin doors closed and Latched
8. Flight instruments and Radios- Set
9. Briefing

NORMAL TAKE - OFF

1. Set Timer T2
2. Wing Flaps - UP
3. Throttle - Full "OPEN"
4. Elevator Control - Lift nose at 40/50 MPH
5. Climb speed - 60 MPH

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MAXIMUM PERFORMANCE TAKE-OFF

1. Wing Flaps-Up
2. Brake Hold
3. Throttle Full "OPEN"
4. Brake Release
5. Elevator Control - Slight nose up.
6. Climb speed -55 MPH

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NORMAL CLIMB

1. Air speed - 60-70MPH
2. Power Full throttle

MAXIMUM PERFORMANCE CLIMB

1. Air speed - 55 MPH
2. Power - Full Throttle

CRUISE

1. Power(RPM) 4800
2. Elevator Trim Adjust
3. Fuel Pump "OFF"

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BEFORE LANDING

1. Fuel pump "ON"
2. Air speed - 62 MPH
3. Wing Flaps - As desired below 60 MPH
4. Air speed -58-60 MPH(Flaps extended)

NORMAL LANDING

1. Touch down-Main wheels first
2. Landing Roll -Lower nose wheel gently
3. Braking- Minimum required

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AFTER LANDING

- 1.Wing Flaps - UP
- 2.Fuel Pump -OFF
- 3.Cabin doors open

SECURE AIRCRAFT

- 1.GPS OFF
- 2.Radio(s) and accessory switches - OFF
- 3.Magneto switches - OFF
- 4.Starter/Master switch - OFF
- 5.Fuel Valve Handle OFF.
- 6.Remove key from Master Switch
- 7.Install pitot tube cover

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Developed from Pilot Operating Handbook
& Flight Manual
Date:6/14/06
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