

Aeroprakt A22LS Foxbat

Pre-start & take-off checklist

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Cockpit

1. Cockpit interior – CLEAN, NO LOOSE OBJECTS
2. Seats – OK, ADJUSTED & SECURE
3. Harness belts – OK, ADJUSTED & SECURE
4. Doors – CLOSED & SECURE
5. Flight planning including weight and CG check – PERFORMED
6. Maps, docs etc required for the flight – AVAILABLE & STOWED
7. Baggage in container – SECURED, ZIPPER CLOSED
8. Starter key – REMOVED
9. All electric switches – OFF
10. Flight instruments – OK, CHECK READINGS
11. Movements of controls – FREE & FULL
12. Controls, rudder pedals, elevator trim tab lever – NEUTRAL/SET MANUAL TRIM
13. Flaps – CHECK & RETRACT
14. Parking brake – ON
15. Recovery system safety pin (if fitted) – REMOVE

Engine starting

1. Starter key – INSERT, TURN TO ON
2. Fuel levels – CHECK BOTH
3. Fuel valves – CHECK BOTH ON
4. Throttle – SET TO IDLE
5. Doors – CHECK CLOSED
6. Carburetor heating (if fitted, cold engine only) – ON
7. Choke lever (cold engine only) – FULLY FORWARD
8. Propeller – CHECK 'CLEAR PROP!'
9. Starter key (cold engine only – IGNITION OFF) – START FOR 5 SECS
10. Ignition – ON
11. Starter key – START (10 SECS MAX)
12. Throttle – SET 1,800-2,000 RPM
13. Choke lever – FULLY BACK SLOWLY
14. Carburetor heating (if fitted) – OFF
15. Engine – WARM UP 2,000-2,500 RPM
16. Required electrical equipment/instruments – ON & ADJUST
17. Ignition – both circuits – TEST 3,500 RPM
18. Oil pressure at 3,500 RPM – CHECK 2-5 BAR (29-73 PSI)

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Taxiing

1. Throttle – IDLE
2. Parking brake – OFF
3. Coolant and oil temperature – CHECK
4. Taxi-way – CHECK CLEAR
5. Throttle – SET REQUIRED TAXI SPEED
6. Elevator – NEUTRAL
7. Ailerons – AGAINST CROSSWIND
8. Brakes – AS NEEDED, THROTTLE IDLE
9. To stop emergency – IGNITION OFF & BRAKE

Before take-off

1. Runway hold position – STOP
2. Brakes – ENGAGE
3. Coolant temperature – CHECK MIN 60°C (140°F)
4. Oil temperature – CHECK MIN 50°C (120°F)
5. Fuel level – CHECK
6. Fuel valves – CHECK BOTH ON
7. Flaps (wind under 16 kts) – EXTEND TO POSITION 1
8. Flaps (wind over 16 kts) – FLAPS UP

Speeds at MTOW 600 kgs

Stall speed with full flap	36 kts
Stall speed clean	45 kts
Maximum flap speed	83 kts
Rough air cruise max	99 kts
Never exceed	120 kts
Best angle of climb	49 kts
Best rate of climb	54 kts
Best glide (no flap)	54 kts
Best glide (with flap)	49 kts

Engine speeds (rpm, engine warm)

Idle	1,800-2,000
Maximum continuous	5,500
Maximum (5 mins max)	5,800



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