



## PIPER J3 CUB CHECKLIST

### NC1500N



#### COCKPIT

- Radio-connect to intercom
- Headsets-plug into intercom
- Fuel-on
- Magnetos-off
- Primer-closed & locked
- Carb heat-off
- Check Rudder pedals and brake linkage secure
- Check hydraulic brake reservoirs for leaks
- Check control stick cable attachments secure
- Check overhead aileron cable linkage secure
- Baggage compartment door locked

#### RIGHT SIDE

- Foot step-secure
- Bungee covers-secure
- Landing gear attachment bolts secure
- Tire, brake and brake line intact
- Wing strut attachment bolts secure
- Fabric on fuselage & wing intact
- Aileron hinges and cable attachments secure

#### ENGINE & NOSE

- Check oil is at 3-4 qts
- Check fuel
- Cowling pins secure
- Exhaust pipe secure
- Drain gascolator
- Propeller secure with no cracks

#### LEFT SIDE

- Landing gear attachment bolts secure
- Tire, brake and brake line intact
- Wing strut attachment bolts secure
- Pitot tube and line intact
- Fabric on wing & fuselage intact
- Aileron hinges and cable attachments secure

#### TAIL

- Trim mechanism-secure
- Flying wires-secure
- Elevator and rudder hinges secure
- Tail wheel, leaf spring, chains and springs secure
- Check fuselage window for mechanism integrity and FOD

#### USEFUL SPECIFICATIONS

- Empty weight-777 lbs
- Gross weight-1220 lbs
- Useful load-443 lbs
- Baggage capacity-20 lbs
- Rate of climb at gross weight-450 fpm
- Cruise speed-73 mph
- Stall speed-38 mph
- Take off run at gross wt-370 ft
- Fuel consumption at cruise-4.4 gal/hour
- Fuel capacity-12 gallons



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#### BEFORE ENGINE START

- Chock wheels
- Magnetos-off
- Fuel-on
- Carb heat-off
- Prime 2 pumps
- Pull prop 4 blades

#### ENGINE START

- Magnetos both
- Throttle 1/10 open
- Stick full aft
- Area clear
- Pull prop with snapping motion
- Oil pressure within 30 secs
- Set throttle to 700 RPM
- Allow engine to warm up until oil temp is in green arc
- With engine warm, idle should be 550-700 RPM

#### BEFORE TAXI

- Radio-on
- Intercom-on
- Brakes-check

#### BEFORE TAKE-OFF

- Flight controls free and correct
- Pitch trim set to neutral
- Altimeter set
- Run-up to **1500** RPM, hold brakes firmly & stick full aft
- Mags-RPM drop not more than 75 RPM
- Carburetor heat check
- Oil pressure in green arc
- Engine to idle
- Seat belts secure

#### TAKE-OFF

- Power-full
- RPM-check
- Climb at **55-60 mph**
- Cruise RPM 2150
- Trim as needed

#### LANDING

- Fuel-on
- Primer-locked
- Carb heat-on
- Approach @ 50-60 mph
- Clear engine by opening throttle during descent every 200-250

#### AFTER LANDING

- Carb heat-off

#### SHUT DOWN

- Engine-idle
- Magnetos-off
- Intercom-off
- Radio-off
- Fuel-off

#### HANGARING

- Lift tail and pull aircraft backwards
- Do not roll tail wheel backwards; it will not castor