



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

AIRPLANE FLIGHT MANUAL

For
Piper Model J-3C

LIMITATIONS:

The following limitations must be observed in the operation of this airplane.

ENGINE: Continental A-65-8

ENGINE LIMITS:

For all operations 2300 RPM - 65 HP
Take Off Any Altitude 2300 RPM 65 HP
Meto Sea Level Any Altitude 2250 RPM 60 HP
Meto Altitude Any Altitude 2250 RPM 60 HP

FUEL:

73 Minimum octane aviation gasoline
12 Gallons capacity

PROPELLER:

~~McCaughey~~ Model ~~A90CF~~
Sensenich W74CK-42

POWER INSTRUMENTS:

Oil Temperature: Green Arc (Normal Operating Range)
120° to 200°F. Yellow Arc (Caution) 40° to 120°F. Red Line (Max.) 220°
Oil Pressure: Green Arc (Normal Operating Range) 30 to 35 PSI,
Red Line (Max.) 40 PSI, Red Line (Min. Idling) 10 PSI.
Tachometer: Green Arc (Normal Operating Range) 550 - 2250 RPM,
Red Line (Maximum) continues 2300 RPM.

AIR SPEED LIMITS: (True Indicated Airspeed)

Climb or Level Flight 90 MPH
Glide or Dive 122 MPH
(Smooth Air Only)

FLIGHT LOAD FACTORS:

Design wing load factor 6.15.
Maximum safe load factor for occasional application of loads is 4.1.

MANEUVERS:

No inverted maneuvers approved.

MAXIMUM WEIGHT:

It is the responsibility of the airplane owner and the pilot to assure that the airplane is properly loaded. Maximum allowable gross weight 1220 lbs.
Empty Weight "Average" 701 lbs.

Weight and balance data for loading information.

New Empty Weight 777 lbs., Empty C.G. 62.5 inches from datum, Useful load 443 lbs.

C.G. RANGE:

Datum is wing leading edge \angle 10.6" to \angle 22.7".

+ 48.5" * + 48.5" *
----- +-----
59.1 71.2

* as per TCDS

PLACARDS:

On the baggage compartment, Maximum baggage 20 lbs.

LIMITATIONS:

Visual Contact day.