

CESSNA 172XP
CHECKLIST

PREFLIGHT (Interior)

- 1. INSPECTIONS-----Annual/ELT/AD/XPDR
2. DOCS-----Airworthiness/Reg/POH/W&B
3. TACH TIME-----RECORD
4. CONTROL LOCK-----REMOVE
5. ELEVATOR / RUDDER TRIM----- SET
6. IGNITION SWITCH-----OFF
7. ALL ELECTRICAL SWITCHES-----OFF
8. MASTER SWITCH-----ON
9. FUEL QUANTITY-----CHECK
10. LIGHTS-----CHECK (Day or Night Ops)
11. FLAPS-----EXTEND
12. MASTER SWITCH & IGNITION-----OFF
13. FUEL SHUTOFF VALVE-----ON
14. PRIMER-----IN & LOCKED
15. FUEL SELECTOR VALVE-----BOTH
16. SEAT HEIGHT ADJUST-----AS REQ

PREFLIGHT (Exterior)

- 1. FUSELAGE / EMPENNAGE----INSPECT
a. L/S MAIN WHEEL TIRE & BRAKE
b. L/S FUEL TANK SUMP
c. L/S TOP / SIDE / BOTTOM
d. ANTENNAS
e. REMOVE GUST LOCK
f. CONTROL SURFACES (Freedom of Movement/Security)
g. R/S TOP / SIDE / BOTTOM
h. R/S MAIN WHEEL TIRE & BRAKE
i. R/S FUEL TANK SUMP
2. RIGHT WING-----INSPECT
a. FLAP /AILERON / TIP/LIGHT
b. LEADING EDGE / TOP / BOTTOM
c. FUEL QTY 24.5 Gal Max Useable
d. FUEL CAP SECURE
2. NOSE-----INSPECT
a. WINDSHIELD
b. CONDITION / SECURITY
c. FUEL / OIL LEAKS
d. PROP-Nicks/Security/Oil Leaks
e. ENG / CARB AIR INLET
f. COWLING / LANDING LIGHTS
g. OIL LEVEL (6-8 Qts)
h. FUEL STRAINER (4 seconds)
i. NOSE GEAR
j. STATIC PORTS L/R
3. LEFT WING-----INSPECT
e. FUEL QTY 24.5 Gal Max Useable
f. FUEL CAP SECURE
g. FUEL VENT
h. PITOT TUBE / STALL WARNING
i. LEADING EDGE / TOP / BOTTOM
j. TIP/ LIGHT /AILERON / FLAP

ENGINE START

- 1. SEATS -----LOCKED
2. SEAT BELTS-----BRIEFED/FASTENED
3. FUEL SHUTOFF VALVE-----ON
4. FUEL SELECTOR VALVE-----BOTH
5. CIRCUIT BREAKERS-----CHECK-IN
6. ELECTRICAL EQUIP -----OFF
7. AUTOPILOT-----OFF
1. BRAKES----- TEST & SET
2. COWL FLAP-----OPEN
3. MIXTURE-----RICH
4. PROPELLER-----HIGH RPM
5. THROTTLE---CLOSED--(HOT-1/2 OPEN)
6. MASTER SWITCH-----ON
7. BEACON LIGHT-----ON

(HOT START? -- Skip to Step 12)

READ, THEN DO.

- 8. AUX FUEL PUMP-----HIGH
9. THROTTLE---ADVANCE TO 8-10 GPH
10. THROTTLE-----CLOSED
11. AUX FUEL PUMP-----OFF
12. PROP AREA-----CLEAR!
13. IGNITION-----START
14. THROTTLE---(Cold)-SLOWLY ADVANCE (HOT)-- REDUCE Throttle to 1000RPM
15. THROTTLE-----SET TO 1000-1200 RPM
16. OIL PRESSURE (w/in 30 Sec)---CHECK (FLOODED? VAPOR LOCK?) -(SEE HANDBOOK)

TAXI

- 1. MIXTURE-----LEAN AS REQ
2. FLAPS-----UP
3. RADIOS / AVIONICS-----AS REQ
4. TRANSPONDER --SQUAWK VFR(1200)
5. ATIS-ASOS-WXBRIEF-----REVIEW
6. FLIGHT Instruments--SET & MONITOR
7. BRAKES / STEERING-----TEST

GROUND RUN-UP

- 1. BRAKES-----SET
2. FLIGHT INST-----CHECK & SET
3. CIRCUIT BREAKERS-----CHECK-IN
4. RADIOS / AVIONICS-----AS REQ
5. FUEL SELECTOR VALVE-----BOTH
6. MIXTURE-----RICH
7. THROTTLE-----1800 rpm
8. MAGNETOS-Check(150max drop<50diff) SMOOTH OPERATION
9. PROPELLER-----CYCLE (3 Times)
a. Verify RPM Decrease
b. Verify Manifold PSI Rise
c. Verify Slight Oil PSI Decrease
10. ENGINE INSTRUMENTS-----CHECK
11. SUCTION & AMMETER-----CHECK
12. THROTTLE-----SET TO 1000-1200 RPM
13. THROTTLE FRICTION-----SET

TAKE-OFF

- 1. PASSENGER BRIEF-----COMPLETE Controls---Extinguisher---Talking---Door
2. T/O EMERGENCY BRIEF---COMPLETE
3. CABIN DOORS & WINDOWS-----CLOSED
4. SEATS & BELTS---LOCKED / FASTENED
5. CONTROLS-----FREE & CORRECT
6. FUEL SELECTOR VALVE-----BOTH
7. ELEVATOR & RUDDER TRIM----- SET
8. COWL FLAP-----OPEN
9. FLAPS-----SET (Norm 0-10-deg,Short/Soft 10-deg)
10. AUTOPILOT-----OFF
11. MIXTURE-----RICH
12. PROPELLER -----HIGH RPM
13. LANDING LIGHT-----ON
14. TRANSPONDER-----ON ALT
15. TIME OFF-----RECORD
Vr: 55 kts, Short: 60 kts, Norm: 75-85 kts
Vx: 59 kts, Vy: 81 kts

AFTER TAKEOFF >1000AGL

- 1. CRUISE CLIMB (85-95kts)---When Able
2. FLAPS-----UP (Verify)
3. LANDING LIGHT-----OFF
4. ENGINE INSTRUMENTS-----CHECK
5. MIXTURE--LEAN AS NOTED FOR CLIMB

CRUISE / DESCENT

- 1. THROTTLE-----AS REQ
2. PROPELLER-----AS REQ
3. MIXTURE-----AS REQ
4. COWL FLAPS-----CLOSED
5. ENGINE INSTRUMENTS-----CHECK
6. FLIGHT INSTRUMENTS-----CHECK

V-SPEEDS

- Vs0-----46 kias
Vs1-----54 kias
Vr-----55 kias
Vx-----59 kias
Vy-----81 kias
Vfe-----85 kias
Va-- 2550 lbs-----105 kias
2150 lbs-----96 kias
1750 lbs-----87 kias
Maneuver Entry-----105 kias
Vno-----129 kias
Vne-----163 kias
Max X-Wind Comp--15 kts
Max Climb-----60 kias

For those "Oh Crap" Moments

- T--Trim
P--Pick
F--Fuel
A--Air
S--Spark
T--Transmit

LANDING

(Mid-Field Traffic Pattern---85 -95 kias)

- 1. SEATS & BELTS---LOCKED / FASTENED
2. LANDING LIGHT-----ON
3. AUTOPILOT-----OFF
4. MIXTURE-----RICH
5. PROPELLER-----HIGH RPM
6. THROTTLE-----REDUCE
7. FLAPS-----SET

Approach-No Flaps 65-75 / Full Flaps 60-70 kias
-> GoAROUND---Full Power/Flaps to 20 deg
55 kias---65 kias-Slowly Retract Flaps
COWL FLAP---OPEN

AFTER LANDING

- 1. COWL FLAP-----OPEN
2. FLAPS-----UP
3. MIXTURE-----LEAN AS REQ
4. LANDING LIGHT-----OFF
5. TRANSPONDER-----STANDBY

SHUT DOWN

- 1. TRANSPONDER ---SQUAWK VFR(1200)
2. AVIONICS / ELECTRICAL EQUIP---OFF
3. THROTTLE-----1000-1200 rpm
4. MIXTURE-----CUT-OFF
5. IGNITION-----OFF
6. MASTER SWITCH-----OFF

ENGINE FAILURE DURING FLIGHT

- 1. AIRSPEED-----75 kias
2. LANDING SITE-----CHOOSE

RESTART PROCEDURES

- 1. PRIMER-----IN & LOCKED
2. FUEL SHUTOFF VALVE-----ON
3. FUEL SELECTOR VALVE---BOTH
4. MIXTURE-----FULL RICH
5. THROTTLE-----1/2 OPEN
6. AUX FUEL PUMP ---LOW for 3-5 sec
7. IGNITION-----BOTH(START)

NO RESTART? --- EMERGENCY LANDING

EMERGENCY LANDING

- 1. SEATS/BELTS-----UPRIGHT/SECURE
2. AIRSPEED-----70 kias(Flaps up)
-----65 kias(Flaps down)
3. MIXTURE-----IDLE CUT OFF
4. FUEL-----OFF
5. FLAPS-----AS REQ
MAYDAY- LAST CALLING OR 121.5 SQUAWK 7700
6. MASTER---OFF / DOORS---UNLATCH
7. TOUCHDOWN TAIL LOW & EVACUATE

Prop Overspeed---Throttle Reduce---Oil PSI Check
--- Cycle Propeller Control / Maintain <2600 RPM

If it doesn't LOOK, SOUND or FEEL right----GET IT CHECKED OUT BEFORE YOU GO!

BEFORE TAKEOFF

Best Glide 75 kias (Max Gross)