

CESSNA 172 – N/P SKYHAWK PILOT'S COMPACT CHECKLIST ***

PREFLIGHT – COCKPIT

1. DOCS/SQUAWKS – CK (*ARROW*)
2. EMERGENCY EQUIPMENT – AS REQ/CK
3. CONTROL LOCK – REMOVE
4. FUEL SELECTOR – CK, THEN BOTH
5. TRIM – CK, NEUTRAL
6. MIXTURE/THROTTLE – CLOSED
7. MAGNETOS – OFF & KEY OUT
8. AVIONICS PWR – OFF
9. ELECTRIC SWITCHES – OFF
10. BATTERY SW – ON (CLEAR PROP)
11. FLAPS – EXTEND
12. FUEL QTY'S – CK
13. LIGHTS/PITOT HT – CK (AS REQ.)
14. BATTERY SWITCH - OFF

STARTING ENGINE

1. CARB HEAT – OFF
2. THROTTLE – OPEN ¼" TO ½"
3. MIXTURE – RICH
4. PRIMER – AS REQ/CK LOCKED
5. BEACON LIGHT – ON
6. MASTER SWITCH – ON
7. PANEL LIGHTING – AS REQ.
8. CLEAR PROP
9. MAGNETO SWITCH – TO START
10. THROTTLE – 800-1000 RPM
11. OIL PRESSURE – WITHIN 30 SEC
12. ENGINE GAUGES – CK
13. AMMETER – CK & WITH LOAD
14. INTERIOR/EXTERIOR LIGHTS – AS REQ
15. FLAPS – UP (PAUSE & CK AT 10°)
16. MIXTURE – LEAN

BEFORE STARTING

1. PREFLIGHT – COMPLETE
2. TIEDOWNS/CHOCKS – REMOVED
3. BAGGAGE/DOORS – SECURED
4. PARKING BRAKE – SET
5. CHARTS/EQUIPMENTS/KEYS – READY
6. AVIONICS PWR – OFF
7. ELECTRIC SWITCHES – OFF
8. AUTOPILOT/AIR CONDITIONER – OFF
9. CIRCUIT BREAKERS – CK, IN
10. ALT STATIC SOURCE – OFF
11. FUEL SELECTOR – BOTH
12. SEATS/BELTS – SECURED
13. PASSENGERS – BRIEFED

BEFORE TAXI

1. CLOCKS/TIMERS – SET & CK
2. RADIOS/AVIONICS/PWR – ON
 - a. ATIS/CLEARANCES – AS REQ.
 - b. NAV EQUIP – ON/TEST
 - c. FREQS/COURSES – SET
 - d. XPDR – SET/STBY (VFR – 1200)
3. ALTIMETER – SET (CK IFR LIMITS)
4. GYRO/FLIGHT INSTRUMENTS – SET
5. RADIO CALLS – AS REQ.
6. BRAKES – RELEASE/TEST

DURING TAXI

1. FLIGHT CONTROLS – FOR WIND
2. FLIGHTS INSTRUMENTS/ALT STATIC SOURCE – CK, OFF
 - a. MAGNETIC COMPASS – FLUID FULL, SWINGS FREELY, ± 10°
 - b. AIRSPEED INDICATOR – ON ZERO
 - c. ATTITUDE INDICATOR – SET, MAX PRECESSION 5° IN TURNS
 - d. TURN COORDINATOR – SHOWS TURNS, RACE FULL, BALL FREE
 - e. DIRECTIONAL GYRO – SET TO COMPASS, SHOWS TURNS
 - f. VSI – INDICATES ZERO OR NOTE ERROR

***SPEEDS** are KIAS for Std. Day at Sea Level, max Gross Wt. normal operating conds, and may vary by model & year. Values shown are 1982 model "P" specific. The "N" model has greater flaps extension, lower gross weight, and a 5 knots reduced approach speed range.

****LEANING** is recommended at 75% power or less and density altitudes above 3000', to max RPM/smooth running engine, or by EGT to 50° rich of peak (best economy is at peak EGT)

*****CAUTION:** Familiarization with the official references for operation of your aircraft is recommended. Any differences therein take precedence to this checklist.

<p style="text-align: center;">BEFORE TAKEOFF</p> <ol style="list-style-type: none"> 1. BRAKES – SET (NOSEWHEEL STRAIGHT) 2. THROTTLE – 1000 RPM 3. FUEL SELECTOR – BOTH (CK QTY'S) 4. PRIMER – CK LOCKED 5. CLEARANCE – AS REQ/REVIEW 6. CHARTS/EQUIP – PREPARED 7. FREQS/COURSES/XPDR – SET 8. FLIGHT INSTRUMENTS – CK/SET 9. RUNUP – MIXTURE – RICH (OIL > 75°) <ol style="list-style-type: none"> a. THROTTLE – 1700 RPM b. MAG DROP – CK, MAX 125/+ 50 L-R c. CARB HEAT – CK, OFF d. ENGINE GAUGES/AMMETER – CK e. VACUUM GAUGE - CK (4.5" – 5.4" HG) f. CIRCUIT BREAKERS – CK g. MIXTURE – FOR DENSITY ALT h. THROTTLE – 1000 RPM 10. CONTROLS – FREE & CORRECT 11. FLAPS – SET 0°/10° & CK 12. TRIMS – SET FOR T/O 13. INTERIOR/EXTERIOR LIGHTS – SET 14. AUTOPILOT/AIR COND – OFF 15. PITOT HEAT – AS REQ. 16. SEATS/BELTS – SECURED 17. TAKEOFF – STROBES – ON <ol style="list-style-type: none"> a. XPDR – ON/ALT (CODE SET) b. MIXTURE – SET FOR T/O c. DOORS/WINDOWS – SECURED d. PARKING BRAKE – RELEASED e. T/O TIME – NOTE AS REQ. f. FLIGHT CONTROLS – FOR WIND g. SELF BRIEF – POWER LOSS 	<p style="text-align: center;">DESCENT</p> <ol style="list-style-type: none"> 1. POWER – AS REQ (TRIM) 2. CARB HEAT – ON, AS REQ 3. MIXTURE – ENRICH AS REQ 4. RADIOS SET/ATIS – AS REQ
<p>SPEEDS – V_R 55 V_X 60 BEST GLIDE 65 V_Y 76</p>	<p>SPEEDS V_A 99 V_{NO} 127 V_{NE} 158</p>
<p style="text-align: center;">CLIMB</p> <ol style="list-style-type: none"> 1. AIRSPEED – 70-80 (ENROUTE 70- 85) 2. THROTTLE – FULL OPEN 3. FLAPS – UP (TRIM) 4. CARB HEAT – OFF 5. MIXTURE – RICH** 6. INTERIOR/EXTERIOR LIGHTS – AS REQ 	<p style="text-align: center;">BEFORE LANDING</p> <ol style="list-style-type: none"> 1. FUEL SELECTOR – BOTH 2. MIXTURE – RICH 3. CARB HEAT – ON 4. AIRSPEED – 65 – 75 (FLAPS UP) 5. FLAPS – SET (TRIM) 6. AIRSPEED – 60 – 70 (FLAPS ON) 7. SEATS/BELTS – SECURED 8. INTERIOR/EXTERIOR LIGHTS – SET 9. AUTOPILOT/ AIR COND - OFF
<p style="text-align: center;">CRUISE</p> <ol style="list-style-type: none"> 1. POWER – SET (TRIM) 2. MIXTURE – LEAN** 3. FUEL SEL/MGMT – AS REQ 4. FLIGHT INSTRUMENTS – SET AS REQ 5. GAUGES/BREAKERS – SCAN 	<p>SPEEDS V_S 44 V_{FE} 110 0° - 10° V_{SO} 33 85 10° - 30°</p>
	<p style="text-align: center;">AFTER LANDING</p> <ol style="list-style-type: none"> 1. FLAPS – UP 2. CARB HEAT – OFF 3. STROBES/PITOT HEAT – OFF 4. LANDING LIGHT – OFF 5. XPDR – STBY OR OFF (SET 1200) 6. MIXTURE – LEAN FOR TAXI 7. TRIM – RESET NEUTRAL 8. RADIO CALLS – AS REQ 9. FLIGHT CONTROLS – FOR WIND
	<p style="text-align: center;">SHUTDOWN</p> <ol style="list-style-type: none"> 1. PARKING BRAKE – AS REQ 2. THROTTLE – 1000-1200 RPM 3. RADIO CALLS – AS REQ 4. AVIONICS PWR – OFF 5. ELECTRIC SWITCHES/AIR COND – OFF 6. MAGS – CK GROUNDING (AT IDLE) 7. MIXTURE – IDLE CUTOFF 8. MAGNETOS – OFF & KEY OUT 9. MASTER SWITCH – OFF
	<p style="text-align: center;">SECURING</p> <ol style="list-style-type: none"> 1. LOGS/SQUAWKS – NOTE AS REQ 2. CONTROLS/WINDOWS – SECURE 3. BELONGINGS/KEYS – REMOVE 4. MASTER SWITCH – VERIFY OFF 5. LOCK/CHOCK/TIE – AS REQ <p style="text-align: center;">CLOSE FLIGHT PLAN</p>