CESSNA 172 CHECKLIST

PRE-FLIGHT INSPECTION

CABIN

1. Documents – **A.R.R.O.W.**
2. Control Lock – **REMOVE**
3. Ignition Switch – **OFF**
4. Avionics Switch - **OFF**
5. Master Switch – **ON**
6. Flaps – **DOWN**
7. Fuel Quantity – **CHECK**
8. Master Switch – **OFF**
9. Fuel Valve – **ON BOTH**

EMPENNAGE

1. Empennage surface – **CHK**
2. Baggage door - **CHK**
3. Horizontal stabilizer – **SECURE**
4. Elevator – **FREE &SECURE**
5. Rudder – **FREE & SECURE**
6. Tail tie-down – **DISCONNECT**
7. Lights & Antenna – **CHK**
8. ELT Antenna – **CHK**

RIGHT WING

1. Flap – **FREE & SECURE**
2. Aileron – **FREE & SECURE**
3. Lights & Wingtip – **CHK**
4. Leading edge – **CHK**
5. Wing tie-down – **DISCONNECT**
6. Main wheel tire & brake – **CHK**
7. Fuel quick drain – **SAMPLE**
8. Fuel quantity – **VISUAL CHK**
9. Fuel filler cap – **SECURE**

NOSE

1. Engine oil – **CHK LEVEL (Min 6 qts)**
2. N172EP ONLY –**(Min 4 qts - Max 6)**
3. Strainer drain – **SAMPLE/CHK (Fuel Selector Drain valve Sample/CHK P Model 172)**
4. Prop/Spinner – **CHK**
5. Air filter – **CHK CLEAR**
6. Landing light – **CHK**
7. Nose strut/tire – **CHK**
8. Static port – **CHK OPEN**

LEFT WING

1. Main wheel tire & brake – **CHK**
2. Fuel quick drain – **SAMPLE**
3. Fuel quantity – **VISUALLY CHK**
4. Fuel filler cap – **SECURE**
5. Pitot tube cover – **REMOVE/CHK**
6. Stall warning opening – **CHK**
7. Fuel tank vent – **OPEN**
8. Wing tie-down – **DISCONNECT**
9. Leading edge – **CHK**
10. Lights/Wingtip – **CHK**
11. Aileron – **FREE & SECURE**
12. Flaps – **FREE & SECURE**

[See POH for details]

ENGINE START

BEFORE STARTING ENGINE

1. Pre-flight – **COMPLETE**
2. Seats, belts, harnesses – **ON**
3. Fuel shutoff valve – **BOTH**
4. Avionics switch - **OFF**
5. Electrical Equipment – **OFF**
6. Circuit breakers – **CHECK IN**
7. Brakes – **TEST / SET**

STARTING ENGINE

1. Mixture – **RICH**
2. Carb heat – **COLD**
3. Master switch - **ON**
4. Beacon Light – **ON**
5. Prime – **AS REQUIRED**
6. Throttle – **OPEN 1/8"**
7. Prop Area – **CLEAR**
8. Ignition – **START**
9. Oil Pressure – **CHK**
10. Avionics switch - **ON**
11. Radio (s) – **ON/SET**
12. Transponder – **ON / ALT**
13. Wing Flaps – **UP**
14. Mixture – **LEAN**
15. Seat Belts - **BUCKLED**
16. READY TO TAXI

BEFORE TAKE OFF

1. Doors – **CLOSED/LATCHED**
2. Brakes – **ON**
3. Flight controls – **FREE & CORRECT**
4. Flight instruments – **SET**
5. Fuel valve – **ON**
6. Mixture – **RICH**
7. Trim – **SET FOR TAKEOFF**
8. Throttle – **1700 RPM**
   - Mags – **125 DROP / 50 DIFF**
   - Carb heat – **CHK**
   - Engine instr. – **CHK**
   - Ammeter – **CHK**
   - **Idle - CHK**
9. Throttle – **BELOW 1000 RPM**
10. Radios – **SET**
11. Transponder – **ON ALT**
12. Lights – **ON**
13. Throttle friction lock – **ADJ**

NORMAL TAKEOFF

1. Wing flaps - **0°**
2. Carb heat – **COLD**
3. Throttle – **FULL OPEN**
4. Elevator – **ROTATE 55 KIAS**
5. Climb Speed – **70⇒80 KIAS**

ENROUTE CLIMB

1. Airspeed – **70⇒85 KIAS**

CESSNA 172 CHECKLIST

CRUISE

1. Power – **2000⇒2700 RPM**
2. Elevator – **TRIM**
3. Mixture – **LEAN**

BEFORE LANDING

1. Seats, belts, harnesses - **ADJ**
2. Mixture – **RICH (CHK DENSITY ALT)**
3. Radio (s) – **SET**
4. Landing light – **ON**
5. Carb heat **ON [any significant reduction of power]**

LANDING

1. Final Approach Airspeed –**60 KIAS**
2. Flaps – **FULL**
3. Touchdown Airspeed - **Slowest Possible Airspeed**
4. Touchdown – **MAINS FIRST**
5. Landing roll – **LOWER NOSE GENTLY**
6. Braking – **MINIMUM REQ'D**

AFTER LANDING

1. Transponder – **Stays on ALT**
2. Wing Flaps – **UP**
3. Carb heat – **COLD**
4. Lights – **STROBES & LANDING OFF**
5. Trim – **RESET**
6. Mixture – **LEAN WHEN REQUIRED**

SECURING AIRCRAFT

1. Brakes – **ON**
2. Transponder – **OFF**
3. Avionics switch - **OFF**
4. Mixture lean 1 in., 1700 rpm 15 sec.
5. 1000 rpm Mixture – **IDLE/CUTOFF**
6. Ignition – **OFF/KEYS OUT**
7. Master switch – **OFF**
8. Beacon Light – **OFF**
9. Control lock – **INSTALL (Fuel selector valve left or right if sloped surface)**

C 172 EMERGENCY PROCEDURES

[Refer to POH for complete details]

ENGINE FAILURE AFTER TAKEOFF

1. Airspeed – **65 KIAS**
2. Mixture – **IDLE CUTOFF**
3. Fuel valve – **OFF**
4. Ignition switch – **OFF**
5. Doors – **OPEN**

ENGINE FAILURE DURING FLIGHT

1. Airspeed – **65 KIAS [FLAPS UP], 60 KIAS [FLAPS DOWN]**
2. Carb heat – **ON**
3. Primer – **IN & LOCKED**
4. Fuel valve – **ON**
5. Mixture – **RICH**
6. Ignition – **BOTH/START**

[See POH for details]

EMERGENCY LANDING WITHOUT POWER

1. Airspeed – **65 KIAS [FLAPS UP] 60 KIAS [FLAPS DOWN]**
2. Mixture – **IDLE CUTOFF**
3. Fuel valve – **OFF**
4. Ignition switch – **OFF**
5. Wing Flaps – **AS REQUIRED**
6. Master switch – **OFF**
7. Doors – **OPEN BEFORE TOUCHDOWN**
8. Touchdown – **TAIL LOW**
9. Brakes – **APPLY HEAVILY**

ENGINE FIRE ON GROUND

1. **CONTINUE CRANKING TO START ENGINE**
2. ***Engine Starts*** – **POWER1700 for few minutes AND THEN SHUT DOWN**
3. ***No Start*** – **SHUTDOWN**
   - **THROTTLE FULL OPEN**
   - **MIXTURE IDLE CUTOFF**
   - **CONTIN UE CRANKING ENGINE SECURE:**
   - **MASTER SWITCH OFF**
   - **IGNITION OFF**
   - **FUEL VALVE OFF**
   - **FIRE EXTINGUISH**
   - **INSPECT FOR DAMAGE**

ENGINE FIRE IN FLIGHT

1. Mixture – **IDLE CUTOFF**
2. Fuel valve – **OFF**
3. Master switch – **OFF**
4. Cabin heat/air – **OFF**
5. Airspeed – **100 KIAS OR AS REQ'D TO EXTINGUISH FIRE**
6. Forced landing – **EXECUTE**

ELECTRICAL FIRE IN FLIGHT

1. Master / Avionics switch – **OFF**
2. All other switches (except ignition) - **OFF**
3. Vents/cabin air/heat – **OFF**
4. Fire extinguisher – **ACTIVATE**

WHEN FIRE APPEARS OUT

1. Master switch – **ON**
2. Circuit breakers – **CHK, DON'T RESET**
3. Avionics switch - **ON**
4. Radio & Electric – **ON, ONE AT A TIME**
5. VENTILATE CABIN

OVER VOLTAGE LIGHT ON

1. Avionics switch - **OFF**
2. Master switch – **OFF**
3. Master switch – **ON**
4. Light – **OFF, IF ON,**
5. **TERMINATE FLIGHT**

AMMETER DISCHARGE

1. Alternator – **OFF**
2. Electrical load – **REDUCE**
3. Flight – **TERMINATE ASAP**