



C172 L/M/P Preflight Checklist



Italicized items have been added

Vol. 1

PREFLIGHT

CABIN

Pitot Tube Cover.....REMOVE
 Registration/Airworthiness.....CHECK
 POH/Weight & Balance.....CHECK
 Parking Brake.....SET
 Control Wheel Lock.....REMOVE
 Ignition Switch.....OFF/KEYS VISIBLE
 Magnetos.....OFF
 Avionics.....OFF
 Throttle.....IDLE
 Mixture.....IDLE/CUT-OFF
 Carb Heat.....COLD (FULL IN)
 Master.....ON
 Beacon.....ON
 Fuel Qty.....CHECK
 Flaps.....DOWN
 Ldg/Taxi/Nav/Strobe.....CHECK
 Avionics Cool. Fan.....CHECK
 Master.....OFF
 Elevator Trim.....Set T/O
 Fuel Selector.....BOTH
 Alt. Static.....OFF
 Fire Extinguisher.....CHECK

EMPENNAGE

Baggage Door.....CHECK
 Control Surfaces.....CHECK
 Elevator Trim Tab.....CHECK
 Rudder Gust Lock.....REMOVE
 Tail Tie Down.....DISCONNECT
 Antennas.....CHECK

RIGHT WING

Flap.....CHECK
 Aileron.....CHECK
 Wing Tie Down.....DISCONNECT
 Tire/Brake.....CHECK
 Fuel Tank Sump.....DRAIN
 Fuel Quantity.....VERIFY
 Fuel Cap.....SECURE

NOSE

Fuel Selector Valve.....DRAIN
 Fuel Strainer Valve.....DRAIN
 Oil.....CHECK (>=6 qts)
 Engine Cooling Air Inlets.....CLEAR
 Alternator Belt.....SECURE
 Propeller/Spinner.....CHECK
 Landing Light.....CHECK
 Carb Air Filter.....CHECK
 Nosewheel Strut/Tire.....CHECK
 Static Source.....CHECK

LEFT WING

Pitot Tube.....CHECK
 Wing Tie Down.....DISCONNECT
 Fuel Tank Vent.....CHECK
 Stall Warning.....CHECK
 Fuel Quantity.....VERIFY
 Fuel Cap.....SECURE
 Fuel Tank Sump.....DRAIN
 Tire/Brake.....CHECK
 Aileron.....CHECK
Flap.....CHECK



C172 L/M/P Normal Checklist



Vol. 1

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BEFORE START

Preflight Inspection.....COMPLETE
 Passenger Briefing.....COMPLETE
 Seats/Seat Belts/Harnesses.....SECURED
 Brakes.....TEST & SET
 Circuit Breakers.....IN
 Avionics.....OFF
 Electrical Equipment/Autopilot.....OFF
 Fuel Selector.....BOTH

ENGINE START

Anti-Collision/Nav Lights.....AS REQUIRED
 Mixture.....RICH
 Carb Heat.....COLD (*Full in*)
 Prime (2-6 strokes; 0 if warm).....AS REQ'D
 Throttle.....1/8th INCH
 Mixture.....RICH
 Propellor Area.....CLEAR
 Master.....ON
 Ignition Switch.....START (*Release upon start*)
 Throttle.....1000 RPM
 Oil Pressure.....CHECK
 LOW/HIGH VOLTS Annunciator.....CHECK OFF
 Mixture.....LEAN FOR TAXI

BEFORE TAXI

Avionics Switch.....ON
 Radios/Electrical Equipment.....ON
 Flight Instruments.....SET
 Flaps.....UP

RUN UP

Parking Brake.....SET
 Flight Controls.....FREE/CORRECT
 Fuel Selector.....BOTH
 Mixture.....FULL RICH
 Throttle.....1700 RPM
 Magnetos.....CHECK (*125 max; 50 diff*)
 Carb Heat.....CHECK (*rpm drop*)
 Eng. Inst./Amm.....CHECK
 Suction Gauge.....CHECK
 Annunciators.....OFF
 Throttle Idle.....CHECK
 Throttle.....1000 RPM
 Mixture.....LEAN AS REQ'D

FOULED SPARK PLUG/BURN OFF

Throttle.....2000-2200 RPM
 Mixture.....LEAN TO PEAK EGT
 RPM.....NOTE INCREASE (*smoother running*)
 Mixture.....FULL RICH
 Throttle.....REDUCE TO 1700 RPM
 Magneto.....REPEAT CHECK

BEFORE TAKEOFF

Departure Briefing.....COMPLETE
 Fuel Selector.....BOTH
 Flaps.....SET FOR T/O
 Elevator Trim.....SET FOR T/O
 CARB HEAT.....COLD (*Full in*)
 Flight Inst/Radios/Bugs.....CHECK/SET
 Cabin Doors/Windows.....CLOSED/LATCHED
 Throttle Friction Lock.....ADJUST
 Parking Brake.....RELEASED

CLIMB

Flaps.....UP
 Climb Power.....SET
 Mixture.....AS REQ'D

CRUISE

Cruise power.....SET
 Elevator Trim.....ADJUST
 Mixture.....LEAN AS REQ'D
 Lights.....AS REQUIRED

DESCENT/BEFORE LANDING

Arrival Briefing.....COMPLETE
 Fuel Selector.....BOTH
 Mixture.....ADJUST
 Carb Heat.....AS REQ'D
 Flight Inst/Radios/Bugs.....CHECK/SET
 Lights.....AS REQ'D
 Flaps.....AS REQ'D
 Seats/Seat Belts/Harnesses.....SECURED

AFTER LANDING

Flaps.....UP
 Elevator Trim.....SET FOR T/O
 Carb Heat.....COLD (*Full in*)
 Mixture.....LEAN FOR TAXI
 Lights.....AS REQ'D

SHUTDOWN/SECURING

Parking Brake.....SET
 Throttle.....1000 RPM
 Avionics Switch.....OFF
 Radios/Electrical Equipment.....OFF
 Lights.....AS REQ'D
 Throttle.....IDLE
 Ignition Switch.....OFF, THEN QUICKLY ON
If Engine indicates a shutdown, continue
If Engine does NOT indicate a shutdown, continue and SQUAWK
 Mixture Control.....IDLE CUTOFF
 Ignition Switch.....OFF
 Master Switch.....OFF
 Securing Aircraft Checklist.....PERFORM

FREQUENCIES

AAFC Unicom: 122.9 | VHF Guard: 121.5
 St. Pete FSS: 122.4, 122.65 | 1-800-992-7433

KDAB

ATIS: 132.875 | Clearance: 119.3
 Ground: 121.9 | Tower: 118.1/120.7
 N. Dep/App: <=3500' 125.8 | >3500' 118.85
 S. Dep/App: <=3500' 125.35 | >3500' 127.075

N. Practice Area: 122.85 | S. Practice Area: 123.5



C172 L/M/P Emergency Checklist



Boldface items should be committed to memory

Italicized items have been added

Red items are WARNINGS

Vol. 1

ENGINE FAILURE DURING T/O ROLL

Directional Control.....*MAINTAIN*
Throttle.....**IDLE**
Brakes.....**APPLY**
 Flaps.....**RETRACT**
 Mixture.....**IDLE CUTOFF**
 Ignition Switch.....**OFF**
 Master.....**OFF**

ENGINE FAILURE IMMEDIATELY AFTER T/O

Airspeed [].....**IAW MANUAL**
Throttle.....*IDLE*
 Mixture Control.....**IDLE CUTOFF**
 Fuel Selector.....**OFF**
 Ignition Switch.....**OFF**
 Flaps.....**AS REQUIRED**
 Master.....**OFF**
 Cabin Doors.....**UNLATCH**
 Land.....**STRAIGHT AHEAD**
 Touchdown.....**SLIGHTLY TAIL LOW**
 Brakes.....**APPLY HEAVILY**

ENGINE FAILURE DUR. FLT. (Restart Proc.)

Airspeed [V_G =].....**IAW MANUAL**
Carb Heat.....**ON**
Fuel Selector.....**BOTH**
Flaps.....**UP**
Landing Site.....**SELECT**
Mixture Control.....**FULL FORWARD**
 Ignition.....**BOTH or START (if prop stopped)**
 Primer.....**IN/LOCKED**

If engine fails to start:

Mixture.....**IDLE CUTOFF (slowly)**
 Throttle.....**FULL FORWARD (slowly)**
 Ignition Switch.....**BOTH (start)**

If engine STILL fails to start:

Transponder.....**7700**
 Radio.....**121.5**
 Mayday.....**ANNOUNCE**
 Forced Land. w/o Pwr. Checklist.....**EXECUTE**

FORCED LANDING WITHOUT POWER

Airspeed [V_G =].....**IAW MANUAL**
 Passenger Seats.....**UPRIGHT**
 Seat Belts/Harnesses.....**SECURED**
 Fuel Selector.....**OFF**
 Mixture.....**IDLE CUTOFF**
 Flaps.....**30° RECOMMENDED**
 ELT.....**ACTIVATE**
 Ignition Switch.....**OFF**
 Master.....**OFF**
 Cabin Doors.....**UNLATCH**
 Touchdown.....**SLIGHTLY TAIL LOW**
 Brakes.....**APPLY HEAVILY**

ENGINE FIRE IN FLIGHT

Mixture.....**IDLE CUTOFF**
Fuel Selector.....**OFF**
Master.....**OFF**
Cabin Air/Heat.....**OFF**
 Airspeed.....**100 KIAS (or more) TO EXTINGUISH**
 Forced Land. w/o Pwr. Checklist.....**EXECUTE**

ELECTRICAL FIRE IN FLIGHT

Master.....**OFF**
 Avionics.....**OFF**
 All Other Switches.....**OFF**
 Cabin Vents/Air/Heat.....**CLOSE**
 Fire Extinguisher.....**DISCHARGE**
Cabin Vents/Air/Heat.....**OPEN**
If fire is out, refer to Manual for cont'd flight

CABIN FIRE IN FLIGHT

Master.....**OFF**
Cabin Vents/Air/Heat.....**CLOSED**
 Fire Extinguisher.....**ACTIVATE**
Cabin Vents/Air/Heat.....**OPEN**
 Airport.....**LAND**

WING FIRE IN FLIGHT

Ldg./Taxi Lights.....**OFF**
 Pitot Heat.....**OFF**
 Navigation Lights.....**OFF**
 Strobe Lights.....**OFF**
 Sideslip.....**PERFORM (keep flames from fuel)**

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