



C172 L/M/P Preflight Checklist

Italicized items have been added



Vol. 2

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. 2

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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
Mixture.....RICH
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. 2

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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