

N7829G - CESSNA 172L Quick Reference Checklist

PREFLIGHT

CABIN

Required Documents – ARROW.....ABOARD
Fuel Selector.....BOTH
Control Lock.....REMOVED
Elevator Trim.....SET FOR TAKEOFF
Mixture.....IDLE CUTOFF
Throttle.....CLOSED
Alternate Static.....CHECK
Electrical Equipment.....ALL OFF
Avionics Master.....OFF
Prop Area.....CLEAR
Master.....ON
Fuel Quantity.....CHECK
FLAPS.....DOWN
Lights.....CHECK
Pitot Heat.....REMOVE COVER/ON/CHECK
Master.....OFF
Tach/Hobbs Time.....NOTED

EXTERIOR

LEFT WING/FUSELAGE

Main Wheel/Tire/Brake.....CHECK
Fuel Tank Sump.....DRAIN/CHECK
Fuel Quantity.....CHECK/CAP SECURE
Leading Edge.....CHECK
Pitot Tube.....CHECK
Stall Warning.....CHECK
Fuel Tank Vent.....CHECK
Tie Down.....REMOVE
Wing Tip.....CHECK
Aileron and Flap.....CHECK
ELT/COMM/TX Antennas.....SECURE
Baggage Door.....CLOSED/LOCKED

EMPENNAGE

Control Surfaces.....CHECK
Elevator Trim.....CHECK
Tail Tie Down.....REMOVE

RIGHT WING/FUSELAGE

Aileron and Flap.....CHECK
Wing Tip.....CHECK
Leading Edge.....CHECK
Tie Down.....REMOVE
Main Wheel/Tire/Brake.....CHECK
Fuel Tank Sump.....DRAIN/CHECK
Fuel Quantity.....CHECK/CAP SECURE

NOSE

OIL.....CHECK – MIN 6 QTS
Fuel Strainer.....DRAIN/CHECK
Exhaust.....CHECK
Alternator Belt.....CHECK
Propeller/Spinner.....CHECK
Landing Light/Air Filter.....CHECK
Nose Wheel Tire and Strut.....CHECK
Static Port.....CHECK CLEAR

BEFORE STARTING ENGINE

Preflight.....COMPLETE
Passengers.....BRIEFED
Seats and Seat Belts (incl shoulder harness)..ADJUST&LOCK
Brakes.....SET
Fuel Selector Valve.....BOTH
Mixture.....RICH
Throttle.....OPEN ¼”
Carb Heat.....OFF
Avionics and Electrical.....ALL OFF
Circuit Breakers.....IN
Beacon.....ON

STARTING ENGINE

Prime.....3 STROKES (COLD) or AS NEEDED
Prop Area.....VERIFY CLEAR
Master Switch.....ON
Announce.....CLEAR PROP!
Ignition Switch.....START
Throttle.....1000 RPM
Oil Pressure.....CHECK GREEN
Mixture.....LEAN FOR TAXI

PRE TAXI

Ammeter.....NORMAL CHARGE
Flaps.....UP
Avionics Master.....ON
ATIS/AWOS.....RECORD
Altimeter.....SET
Transponder.....1200/CODE
Heading Indicator.....SET TO COMPASS
Brakes.....TEST
AI/DG/Turn Coord.....CHECK WHEN TURNING

RUNUP

Brakes.....SET
Flight Controls.....FREE AND CORRECT
Fuel Selector.....BOTH
Trim.....SET TO TAKEOFF
Throttle.....1700
Magnetos (125/50).....CHECKED/BOTH
Carb Heat.....CHECKED-THEN OFF
Engine Instruments.....CHECK/GREEN
Vacuum.....CHECK
Throttle.....IDLE CHECK-THEN 1000 RPM

BEFORE TAKEOFF

Flaps.....AS REQUIRED
Doors.....LATCHED/WINDOWS CLOSED
Heading & Attitude Indicator.....SET
Pre-Takeoff Briefing.....COMPLETE/ABORT PLAN!
Lights/Camera/Action.....FINAL CHECK

TAKEOFF

Throttle.....FULL

	Normal	Soft	Short
Flaps	0	10	0
Rotate	60 MPH	ASAP	60 MPH
Climb (MPH)	Vy-80	Vy-80	Vx-68

V-Speeds: (MPH)

Vy: 80 Vx: 68 Vr: 60 Vso: 49 Vs1: 57 Vg: 80
Va: 122 Vno: 140 Vne: 174 Max X-wind: 15

CAPACITIES:

Max Takeoff Weight: 2300 lbs
Useable Fuel: 38 Gals
Oil Capacity: 6-8qts

FREQUENCIES:

S50 CTAF: 122.8, Wx 4 CLICKS
KRNT: TWR 124.7, GRND 121.6, ATIS 126.95
Air to Air (Practice Areas): 122.75
Seattle App/Dep: 123.85
Flight Service: 122.5
VOR: SEA – 116.8, PAE – 110.6

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CLIMB

Power.....AS PLANNED
Mixture.....AS REQUIRED
Flaps.....UP

CRUISE

Power.....AS PLANNED
Mixture.....AS REQUIRED
Lights.....AS NEEDED

DESCENT

ATIS/WX.....COPY
Airport Information.....REVIEW
Fuel Selector.....BOTH
Mixture.....AS REQUIRED

BEFORE LANDING (CGUMPS)

Carb Heat.....ON
Fuel Selector.....BOTH
Mixture.....RICH/AS REQUIRED
Seat Belts.....SECURE
Lights.....ALL ON

LANDING

	Normal	Soft	Short
Flaps	AS NEEDED	40	40
Airspeed (Final)	70-75 MPH	69 MPH	69 MPH
Touchdown Pwr	Idle	AS NEEDED	Idle
Brakes	AS NEEDED	MINIMAL	MAX
Flap Change	None	None	UP

BALKED LANDING (GO AROUND)

Cram/Climb/Clean/Call
Throttle.....FULL
Carb Heat.....OFF
Descent.....ARREST
Pitch Attitude.....SET TO CLIMB
Flaps.....RETRACT TO 20
Airspeed.....>68 (Vx)
Climb.....POSITIVE RATE
Flaps.....SLOWLY RETRACT
Climb.....80 MPH (Vy)
Communicate.....ANNOUNCE GO-AROUND

AFTER LANDING

Flaps.....UP
Carb Heat.....OFF
Lights/Pitot Heat.....AS REQUIRED
Mixture.....LEAN FOR TAXI
Trim.....SET FOR TAKEOFF

SHUT DOWN

Carbon Burn Off.....1500 RPM/LEAN FOR DROP/20 SECS
Throttle.....IDLE
Avionics.....OFF
Electrical.....ALL OFF
Mag Check.....PERFORM
Mixture.....IDLE CUTOFF
Mags/Ignition.....OFF/KEYS ON DASH
Master.....OFF
Control Lock.....INSTALL
Post Flight Walk Around/Tie Downs/Chalks.....INSTALL
Pitot Cover/Cowl Plugs.....INSTALL

Close your flight plan

Record Flight with Hobbs and Tach in COFLYT

EMERGENCY PROCEDURES

ENGINE FAILURE DURING FLIGHT (ABC)

Airspeed (Best Glide).....80 MPH
Best Place To Land.....IDENTIFIED
Fuel Selector.....BOTH/LEFT/RIGHT/BOTH
Carb Heat.....ON
Mixture.....RICH
Primer.....IN/LOCKED
Ignition Switch.....BOTH/LEFT/RIGHT/START/BOTH

FORCED LANDING (ABCDE)

Declare Emergency.....121.5 or ATC
Transponder.....7700
ELT.....ACTIVATE
Mixture.....IDLE CUTOFF
Fuel Selector.....OFF
Ignition Switch.....OFF
Flaps.....AS REQUIRED
Master.....OFF AFTER FLAPS SET
Doors.....UNLATCH
Touchdown.....TAIL LOW
Brakes.....HEAVILY IF NEEDED

ENGINE FIRE IN FLIGHT

DO NOT ATTEMPT RESTART

Mixture.....IDLE CUTOFF
Fuel Selector.....OFF
Master Switch.....OFF
Cabin Heat and Air.....OFF/CLOSED
Airspeed.....120 MPH OR MORE
Forced Landing.....EXECUTE

ELECTRICAL FIRE IN FLIGHT

Master.....OFF
Avionics and Electrical.....ALL OFF
Cabin Heat and Air.....OFF/CLOSED
Fire Extinguisher.....ACTIVATE AS NEEDED
Vents/Windows.....OPEN
IF FIRE OUT AND ELECTRICAL NEEDED
Master.....ON
Circuit Breakers.....CHECK/DO NOT RESET
Avionics and Electrical.....ON ONE BY ONE

FIRE DURING ENGINE START

Cranking.....CONTINUE/DO NOT STOP
IF ENGINE STARTS
Power.....1700 RPM (2 MINS)
Engine.....SHUTDOWN
IF ENGINE FAILS TO START
Throttle.....FULL OPEN
Mixture.....IDLE CUTOFF
Cranking.....CONTINUE/DO NOT STOP
Fire Extinguisher.....ACQUIRE
Master and Ignition Switches.....OFF
EVACUATE CABIN, EXTINGUISH FIRE

LOW/HIGH VOLTAGE/AMPS

Avionics Power.....OFF
Alternator Circuit Breaker.....CHECK
Master.....OFF (Both Sides)
Batt Master.....ON (ALT OFF)
Voltage/AMPS.....CHECK – VERIFY NORMAL
Non-essential Equip.....OFF
LAND AS SOON AS PRACTICAL