

N19710 CESSNA 172L
Quick Reference Checklist (rev. 11-19-2020)



PREFLIGHT

CABIN	
Hobbs/Tach	RECORDED
Required Documents (ARROW/ PMID)	ABOARD
Parking Brake	SET
Control Wheel Lock	REMOVE
Flight Controls	FREE / CORRECT
Ignition Switch	OFF
Elevator Trim	NEUTRAL
Mixture	OFF
Throttle	OFF
Fuel Selector Valve	BOTH
Electrical Switches	OFF
Master Switch	Prop Area Clear-ON
Avionics Master Power Switch	ON
Avionics Cooling Fan	AUDIBLE
Avionics Master Power Switch	OFF
Pitot Tube Heat	ON / CHECK WARM WITHIN 30 SEC
Pitot Heat	OFF
Fuel Quantity	CHECK
Wing Flaps	FULLY EXTEND
Lights (Int./Nav/Strobes/Beacon/Landing/Taxi)	ON / CHECK / OFF
Master Switch	OFF
Windows / Windshield	CHECK / CLEAN
LEFT WING / FUSELAGE	
Fuel Tank Sump	DRAIN / CHECK
Fuel Quantity	CHECK
Fuel Filer Cap	SECURE / VENT UNOBSTRUCTED
Leading Edge	CHECK
Stall Warning	CHECK
Fuel Tank Vent	CHECK
Tie Down	REMOVE
Wing Tip	CHECK
Aileron and Flap	CHECK
Main Wheel Tire and Brake	CHECK
ELT	ARMED
Baggage Door	CLOSED / LOCKED
Airplane Antennas	CHECK
EMPENNAGE	
Airplane Antennas	CHECK
Control Surfaces	CHECK
Elevator Trim Tab	CHECK
Tail Tie Down / Gust Lock (if installed)	REMOVE
RIGHT WING/FUSELAGE	
Aileron and Flap	CHECK
Wing Tip	CHECK
Leading Edge	CHECK
Tie-Down	REMOVE
Main Wheel Tire and Brake.	CHECK
Fuel Tank Sump	DRAIN / CHECK
Fuel Quantity	CHECK
Fuel Filer Cap	SECURE / VENT UNOBSTRUCTED
NOSE	
Oil (6-8 Quarts)	CHECK
Fuel Strainer/Belly Sump	DRAIN / CHECK

PREFLIGHT – continued

Air / Cooling Inlets	CLEAR
Air Filter	CHECK
Alternator Belt	CHECK
Propeller and Spinner	CHECK
Nose Wheel Tire and Strut	CHECK
Left Side Static Source	CLEAR
FINAL 360° WALKAROUND	COMPLETE

BEFORE STARTING ENGINE

Preflight	COMPLETE
Passengers	BRIEFED
Seats and Seat Belts	SECURE
Cabin Doors	CLOSED/LOCKED
Brakes and Parking Brake.	TEST / SET
Fuel Selector Valve	BOTH
Avionics and Electrical	OFF
Circuit Breakers	IN

STARTING ENGINE

Carb Heat	COLD
Mixture	RICH
Throttle	OPEN 1/4 inch
Prime (as required, none if engine is warm)	2-6 STROKES / LOCKED
Propeller Area	CLEAR
Master Switch	ON
Beacon	ON
Ignition Switch	START
Throttle	ADJUST TO 1000 RPM
Oil Pressure*	CHECK-GREEN

*If not in green within 30 seconds shutdown the engine to prevent further damage to engine.

PRE TAXI

Avionics Master Power Switch	ON
Navigation / Strobe Lights	BOTH ON
Ammeter	NORMAL CHARGE
Wing Flaps	RETRACTED TO 0°
Mixture	LEAN FOR TAXI
Avionics	ON / SET
AWOS/Weather	OBTAINED
Altimeter	SET
Transponder (1200 or assigned code)	CODE SET / ON ALT
Brakes	TEST

TAXIING

Compass	FULL OF FLUID / SWINGING FREELY
Gyro Instruments / Turn Coordinator	PROPER INDICATION
Controls	POSITION FOR WIND

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BEFORE TAKEOFF

Parking Brake	SET
Flight Controls	FREE / CORRECT
Fuel Selector Valve	BOTH
Elevator Trim Control Wheel	TAKE-OFF POSITION
Mixture	RICH
Throttle	1700 RPM
Magnetos (125 max drop /max 50 differential)	(R/Both/L/Both) / CHECKED
Carb Heat	CHECK OPERATION
Engine Instruments and Ammeter	CHECK
Vacuum	4.6-5.4"
Throttle Idle	IDLE CHECK
Throttle	1000 RPM
Throttle Friction Lock	ADJUST
Flight Instruments and Radios	SET / CHECK
Wing Flaps	UP / 0°
Cabin Doors and Windows	CLOSED AND LOCKED
Seats and Seat Belts	CHECK SECURE
Transponder	VERIFY ON ALT
Strobes	ON
Pre-Takeoff Briefing	COMPLETE
Parking Brake	HOLD BRAKES / RELEASE

TAKEOFF

Landing Light	ON
Wing Flaps	normal takeoff / 0° shorter ground run / 10°
Elevator Trim Control Wheel	TAKE-OFF POSITION
Carb Heat	COLD
Mixture	RICH or ABOVE 3000' MSL LEANED MAX RPM at FULL THROTTLE STATIC RUNUP
Throttle	FULL OPEN
Elevator Control	LIFT NOSE WHEEL AT 52 KIAS
Obstacle Climb Speed (if required flaps 10°)	until clear of obstacles 57 KIAS
Normal Climb Speed (sea level flaps up)	59 (Vx)-72(Vy) KIAS

CLIMB

Airspeed*	after clearing obstacles and above 1000' AGL 70-78 KIAS
Wing Flaps	0°
Power	FULL THROTTLE
Engine Instruments	CHECK
Mixture	RICH / MAY BE LEANED >3000' MSL
*Consult Owner's Manual for maximum rate of climb airspeed for varying altitude and weights	

CRUISE

Power	2200 to 2700 RPM
Mixture	LEANED FOR MAX RPM
Elevator Trim Control Wheel	ADJUST
Landing Light	OFF
Engine Instruments	CHECK

PRE-DESCENT

AWOS/Airport Weather	OBTAINED
Altimeter Setting	CHECK / SET
Radios / Navigation	SET
Airport Information	REVIEW

DESCENT

Mixture	ENRICHEN / RICH <3000'
Power	AS DESIRED
Carb Heat	AS REQUIRED
Engine Instruments	CHECK

BEFORE LANDING

Landing Light	ON
Primer	IN and LOCKED
Seats & Seat Belts	LOCKED
Engine Instruments	CHECK
Fuel Selector Valve	BOTH
Mixture	RICH
Carb Heat	ON

LANDING - NORMAL

Flaps	AS DESIRED
Airspeed	FLAPS DN 57-65 KIAS FLAPS UP 61-70 KIAS
Touchdown	MAIN WHEELS FIRST
Braking	AS REQUIRED

LANDING - SHORT FIELD

Flaps	INSIDE WHITE ARC / 40°
Airspeed	60 KIAS
Touchdown	MAIN WHEELS
Nosewheel	LOWER IMMEDIATELY
Braking	APPLY HEAVILY
Flaps	RETRACT
Elevator	HOLD FULL NOSE UP

BALKED LANDING (GO AROUND)

Throttle	FULL THROTTLE
Carb Heat	COLD
Flaps	RETRACT to 20°
Airspeed	57 KIAS
Upon Reaching 57 KIAS AND After Clearing Obstacles - Retract Flaps Slowly to 0°	
Climb	60 (Vx)-72(Vy) KIAS

AFTER LANDING

Flaps	RETRACTED TO 0°
Carb Heat	COLD
Landing Light	OFF or AS NECESSARY
Strobes	ON DAY / OFF NIGHT
Mixture	LEAN AS REQUIRED

SHUTDOWN

Parking Brake	SET
Avionics Master	OFF
Throttle	IDLE
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Electrical Equipment.	OFF
Master Switch	OFF
Control Wheel Lock	INSTALL
Fuel Selector	SWITCH TO LEFT
Aircraft	SECURED

END OF NORMAL PROCEDURES

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ENGINE FAILURE
(DURING TAKEOFF ROLL)

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Radio Call	AFTER BRINGING AIRCRAFT TO STOP NOTIFY ATC or CTAF
Master Switch	OFF

ENGINE FAILURE
(IMMEDIATELY AFTER TAKEOFF)

Airspeed	FLAPS DN 60 KIAS FLAPS UP 65 KIAS
Mixture	IDLE CUT OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF
Cabin Door	UNLATCH PRIOR TO TOUCHDOWN
Land	STRAIGHT AHEAD
Brakes	APPLY AS NECESSARY

DITCHING
(IMMEDIATELY AFTER TAKEOFF)

Airspeed	FLAPS DN 60 KIAS FLAPS UP 65 KIAS
Radio Call	TRANSMIT MAYDAY CALL
Passenger Seat Backs	MOST UPRIGHT POSITION
Seats and Seat Belts	SECURE
Wing Flaps	10°
Airspeed	60 KIAS
Master Switch	OFF
Doors	UNLATCH PRIOR TO TOUCHDOWN
Touchdown	LEVEL ATTITUDE
Face	CUSHION
Airplane	EVACUTE through cabin doors. If necessary open window and flood cabin to equalize pressure so doors can be opened.

ENGINE FAILURE DURING FLIGHT
(Sufficient Altitude Remaining)

Airspeed	70 KIAS
Carb Heat	ON
Fuel Selector Valve	BOTH
Mixture	RICH
Primer	IN & LOCKED
Ignition Switch	ON BOTH (Start if prop has stopped)
Transponder	7700
Radio Call* (Mayday, Mayday, Mayday)	AS ABLE
*121.5 or Frequency in Use (if already in contact with ATC)	
If Engine Power is not restored, complete Emergency Landing without Power checklist	

EMERGENCY LANDING W/O POWER

Airspeed	65 KIAS
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Flaps	AS NECESSARY
Airspeed	FLAPS DN 60 KIAS FLAPS UP 65 KIAS
Master Switch	OFF
Doors	UNLATCH
Touchdown	TAIL LOW
Brakes	APPLY HEAVILY

PRECAUTIONARY LANDING
(With Power)

Airspeed	70 KIAS
Passenger Seat Backs	MOST UPRIGHT POSITION
Seats and Seat Belts	SECURE
Wing Flaps	20°
Airspeed	60 KIAS
Selected Field	FLY OVER Noting terrain and obstructions, then retract flaps upon reaching a safe altitude and airspeed.
Wing Flaps	(inside White Arc) 40°
Airspeed	60 KIAS
Master Switch	OFF (When landing is assured)
Doors	UNLATCH PRIOR TO TOUCHDOWN
Ignition Switch	TURN OFF before touchdown
Touchdown	SLIGHTLY TAIL LOW
Brakes	APPLY HEAVILY

FIRE DURING ENGINE START

Cranking	CONTINUE
IF ENGINE STARTS:	
Power	1700RPM (2 min.)
Engine	SHUTDOWN AND INSPECT FOR DAMAGE
IF ENGINE FAILS TO START:	
Throttle	FULL OPEN
Mixture	IDLE CUT-OFF
Cranking	CONTINUE FOR 2-3 MINUTES
Fire Extinguisher	OBTAIN
Master and Ignition Switch	OFF
Fuel Selector Valve	OFF
Aircraft	EVACUATE
Fire Extinguisher	ACTIVATE INTO ENGINE COMPARTMENT IF SAFELY ABLE

ELECTRICAL FIRE IN FLIGHT

Master Switch	OFF
Avionics & Electrical Switches (except ignition)	OFF
Cabin Heat-Air Vents	CLOSED
Fire Extinguisher	ACTIVATE
Air Vents	OPEN
IF FIRE IS OUT AND ELECTRICAL POWER IS NEEDED:	
Master Switch	ON
Circuit Breakers	CHECK
DO NOT RESET CIRCUIT BREAKERS	
Avionics and Electrical Switches	ON ONE BY ONE UNTIL SHORT CIRCUIT IS LOCALIZED

ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Master Switch	OFF
Cabin Heat & Air	CLOSED / OFF
Airspeed	100 KIAS
Emergency Landing Site	SELECTED
Airspeed	INCREASE IF FIRE NOT EXTINGUISHED DO NOT EXCEED V_{NE}
DO NOT ATTEMPT RESTART	
Emergency Landing without Power	EXECUTE
Airspeed	FLAPS DN 60 KIAS FLAPS UP 65 KIAS
Doors	UNLATCH
Touchdown	TAIL LOW
Brakes	APPLY HEAVILY
Elevator	HOLD FULL NOSE UP
After Landing	EVACUATE FROM AIRCRAFT TO A SAFE DISTANCE

WING FIRE IN FLIGHT

Navigation Light Switch	OFF
Strobe Light Switch	OFF
Pitot Heat Switch	OFF
Sideslip Airplane	Keep flames away from the fuel tank and cabin
Land Airplane	AS SOON AS POSSIBLE

ELECTRICAL POWER MALFUCTION

OVER-VOLTAGE LIGHT ILLUMINATES	
Master Switch (Both sides)	OFF
Master Switch	ON
Over-Voltage Light	CHECK OFF
If Over-Voltage light illuminates again:	
Fight	TERMINATE as soon as possible
AMMETER SHOW DISCHARGE	
Alternator	OFF
Nonessential Electrical Equipment	OFF
Fight	TERMINATE as soon as possible

OTHER EMERGENCIES

CONSULT THE OWNER'S MANUAL FOR ADDITIONAL EMERGENCY PROCEDURES AND INFORMATION