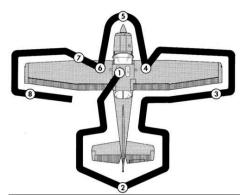
## Cessna 172L Preflight Checklist (March 2022)



Visually check airplane for general condition during walkaround inspection.

In cold weather, remove even small accumulations of frost, ice or snow from wing, tail and control surfaces. Also make sure that control surfaces contain no internal accumulations of ice or debris. Prior to flight, check that pitot heat (if installed) is warm to touch within 30 seconds with battery and pitot heat switches on. If a night flight is planned, check operation of all lights and make sure a flashlight is available.

### <u>1 – Cabin</u>

- Documents (AROW) ON BOARD
- Hobbs & tach RECORD
- Control wheel lock REMOVE
- Ignition switch OFF
- Avionics OFF
- Master switch ON
- Fuel quantity CHECK
- Flaps DOWN
- Lights & pitot heat ON & CHECK
- Ammeter verify NEGATIVE
- Master switch OFF

#### 2 - Empennage

- Baggage door CHECK SECURE
- Tail tiedown REMOVE
- Control surfaces CHECK

## <u>3 – Right Wing Trailing Edge</u>

- Aileron CHECK MOVEMENT
- Flap INSPECT
- Inspection covers SECURE

# 4- Right Wing

- Wing tiedown REMOVE
- Main tire CHECK INFLATION
- Main gear CHECK BRAKES & LINES
- Wing fuel sump DRAIN & CHECK for color, sediment & water
- Fuel quantity CHECK
- Fuel cap SECURE

#### <u> 5 - Nose</u>

- Oil CHECK QUANTITY (6-8 qts)
- Oil dipstick SECURE
- Engine fuel sump CHECK QUALITY
- Prop & spinner CHECK
- Engine air inlets CLEAR
- Air filter CHECK
- Nose strut & tire CHECK
- Static source CHECK CLEAR (but do not touch)

### 6 – Left Wing

- Wing fuel sump DRAIN & CHECK
- Fuel quantity CHECK
- Fuel cap SECURE
- Main tire CHECK INFLATION
- Main gear CHECK BRAKES & LINES

### 7 - Left Wing Leading Edge

- Pitot cover REMOVE
- Pitot tube CLEAR OF DEBRIS
- Fuel tank vent CHECK
- Stall warning CHECK
- Wing tiedown REMOVE

### 8 - Left Wing Trailing Edge

- Aileron CHECK MOVEMENT
- Flap INSPECT
- Inspection covers SECURE

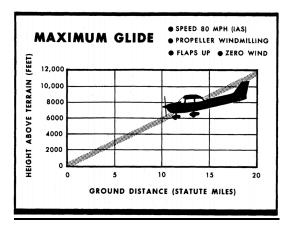
### **Operating Data**

Engine – Superhawk Lycoming O-360-A4M Horsepower – 180 HP at 2700 RPM Fuel – approved for UL94 or higher octane Battery – 12 volt Alternator – 14 volt, 60 amps

Max demonstrated crosswind – 15 kts Max weight – 2500 pounds Max baggage weight – 120 pounds

#### Tire pressure

Nose wheel – 45 PSI on 5.00-5, 6-ply tires Main wheel – 38 PSI on 6.00-6, 6-ply tires



### Cessna 172L Emergency Checklist (March 2022)

### ENGINE FAILURE (after takeoff)

Airspeed V<sub>BG</sub> – 75 MPH flaps up 70 MPH flaps down Landing site – SELECT Mixture – IDLE CUTOFF Fuel selector – OFF Ignition switch – OFF Flaps – AS REQUIRED Master switch – OFF

#### **ENGINE FAILURE / LOSS OF POWER**

Airspeed – 80 MPH Landing site – SELECT & FLY TO Mixture – RICH Fuel selector – BOTH Primer – IN & LOCKED Carb heat – ON Ignition – BOTH (if prop stops windmilling, move ignition to START) \*\* If engine fails to start Perform Forced Landing checklist

#### **FORCED LANDING**

Airspeed V<sub>BG</sub> – 75 MPH flaps up 70 MPH flaps down Mixture – IDLE CUTOFF Fuel selector – OFF Ignition switch – OFF Flaps – AS REQUIRED Radio call – "MAYDAY, MAYDAY" Transponder – SQUAWK 7700 Master switch – OFF Doors – UNLATCH PRIOR TO TOUCHDOWN Touchdown – SLIGHTLY TAIL LOW Brakes – APPLY AS NEEDED

#### **ENGINE FIRE (in flight)**

Mixture – IDLE CUTOFF Fuel selector – OFF Master & Ignition switches – OFF Cabin heat & air – OFF Airspeed – 120+ MPH \*\* Once fire extinguished or landing imminent Perform Forced Landing checklist

#### **ENGINE FIRE (during start)**

Continue cranking engine to attempt start \*\* If engine starts Throttle – 1700 RPM for a few minutes, then shut down and have maintenance inspect \*\* If engine fails to start Throttle – FULL OPEN Mixture – IDLE CUTOFF Cranking – CONTINUE Fire extinguisher – OBTAIN Master switch – OFF Ignition switch – OFF Fuel selector – OFF Fire - EXTINGUISH

#### **ELECTRICAL FIRE**

Master switch – OFF Avionics & electrical switches – ALL OFF Vents, cabin air & heat – CLOSED Fire extinguisher – USE AS NEEDED

\*\* If fire appears out Master switch – ON Circuit breakers – CHECK FOR FAULT, do not reset Radios & electrical – ONE AT A TIME, with a delay between, turn on necessary items to isolate source of fire Vents, cabin air & heat – OPEN

#### LOW OIL PRESSURE

Oil temperature – MONITOR \*\* If oil temp is normal, land at nearest airport

 \*\* If oil temperature is rising, engine failure may be imminent
Throttle – REDUCE
Landing site – SELECT

- Leave engine running at low power during the approach

- Use minimum power to reach touchdown spot

#### **ELECTRICAL MALFUNCTION**

(ammeter indicating insufficient or excessive charge) Avionics switch – OFF Alternator circuit breaker – CHECK IN Master/Alt switch – OFF, then ON Ammeter – CHECK INDICATION Low-/over-voltage light – CHECK OUT

\*\* If charge is normal on ammeter Avionics switch – ON Ammeter – CONTINUE TO MONITOR

 \*\* If ammeter shows insufficient rate of charge or if low-voltage light illuminates again
Alternator switch – OFF
Avionics & electrical – ONLY ESSENTIALS
Land – AS SOON AS PRACTICAL

 \*\* If ammeter shows excessive rate of charge or if over-voltage light illuminates again
Alternator switch – OFF
Alternator circuit breaker – PULL
Avionics & electrical – ONLY ESSENTIALS
Land – AS SOON AS POSSIBLE

- Be prepared for lost communications
- At night, conserve the battery for lights and flaps during landing by reducing the electrical load

#### SPIN RECOVERY

Power – IDLE Ailerons – NEUTRAL Rudder – FULL OPPOSITE Elevator – FORWARD TO BREAK STALL \*\* Once spin stops Neutralize rudder & recover from dive