

SPRINGS AVIATION

CESSNA 172L 150HP

N2830Q

NORMAL PROCEDURES CHECKLIST

- AFTER TAKEOFF -

Airspeed Vx / Vy / AS REQ
Flaps UP
Throttle FULL
Mixture ADJUST AS NEEDED

- CRUISE -

Power SET (2000-2400 RPM)
Elevator Trim SET
Mixture LEAN
Engine Instruments CHECK
Taxi/Landing Light ON - AS NECESSARY
Heading Indicator SET TO COMPASS

- IN-RANGE/DESCENT/APPROACH -

ATIS/AWOS CHECK ASAP
Preliminary Approach Brief COMPLETE
Airport Diagram (Keep Available) CHECK
Seat Belts & Shoulder Harness FASTENED
Mixture ENRICHEN AS NEEDED
Heading Indicator SET TO COMPASS
Fuel Selector BOTH
Parking Brake CHECK RELEASED
Taxi/Landing Light ON

- BEFORE LANDING (Memory Items) -

Lights AS REQUIRED
Carb Heat CARB HEAT ON
Gas BOTH
Undercarriage FIXED
Mixture SET AS REQUIRED
Propeller FIXED
Seat Belts / Shoulder Harness ON

- AFTER LANDING (Memory Items)-

Wing Flaps UP
Carb Heat COLD
Lights AS REQUIRED
Transponder STANDBY
Mixture LEAN
Taxi Clearance OBTAIN & BRIEF

- SHUT DOWN & SECURING -

Parking Brake SET
Comm Radio CHECK 121.5 for ELT
Avionics & Electrical Switches OFF
(leave Beacon switch ON)
Throttle IDLE RPM
Magnetos CHECK GROUNDING
Throttle 1000 RPM
Mixture CUTOFF
Ignition Switch OFF (Keys Removed)
Master Switch OFF
Hobbs & Tach CHECK & RECORD

OUTSIDE TIEDOWN & INSPECTION

Control Wheel / Gust Lock IN PLACE
Parking Brake RELEASE
Move Plane to Parking WITH TOW BAR
Wheel Chocks IN PLACE
Tie-Downs SECURE
Pitot Tube Cover INSTALL
Fuel Selector OFF
Doors CLOSED & SECURED
Walkaround COMPLETE
Flight Plan *CLOSE*

Vr: 52 kts, 60 mph

Vx: 59 kts, 69 mph

Vy: 71 kts, 82 mph

Vg: 65 kts, 75 mph

Va @2300lbs: 106 kts, 122 mph

Va @2000lbs: 99 kts, 114 mph

Vs0: 43 kts, 49 mph

Vs1: 50 kts, 57 mph

Vno: 122 kts, 140 mph

Vne: 151 kts, 174 mph

*This checklist is only for training purposes and is not intended to replace the POH.
Revised 05/05/2020*

- PREFLIGHT INSPECTION -

Weather CHECK
W&B & Performance COMPUTE

CABIN

Hobbs & Tach CHECK & RECORD
Documents (A.R.R.O.W) CHECK
Parking Brake SET
Control Wheel/Gust Lock REMOVE
Pitot Tube Cover REMOVE
Ignition & Avionics Switch OFF
Master Switch BATTERY ON
Fuel Gauges CHECK QUANTITY
Avionics Cooling Fan CHECK ON (audible)
Lights ON – CHECK – OFF
Pitot Heat ON – CHECK – OFF
Wing Flaps EXTEND FULLY
Master Switch OFF
Alternate Static Source OFF
Elevator Trim Control TAKEOFF
Fuel Selector Valve BOTH

EXTERIOR

Fuel Tank Sumps (1/wing) CHECK
Fuel Tank Quantity CHECK
Fuel Filler Cap CHECK SECURE
Tie-downs & Chocks REMOVE
Windshield & Windows CLEAN

AFT FUSELAGE & EMPENNAGE

Baggage Door SECURE
Antennas SECURE
Stabilizers CHECK CONDITION
Elevator & Rudder CONDITION/OPERATION
Trim Tabs CHECK
ADS-B Out Fin CHECK CONDITION

(DO NOT TOUCH!)

- PREFLIGHT INSPECTION (Continued) -

RIGHT WING

Flap CHECK CONDITION & BACKLASH
Aileron CONDITION/OPERATION
Wingtip & Leading Edge CHECK
Tire, Wheel, & Brakes CONDITION
Door CONDITION

NOSE, ENGINE, PROPELLER, & COWLING

Engine Cowling CHECK SECURITY
Fuel Strainer DRAIN
Oil Quantity CHECK
Propeller & Spinner CHECK CONDITION
Alternator Drive Belt CHECK TENSION
Engine Cooling Air Inlets CHECK CLEAR
Carburetor Air Filter CHECK CLEAN & SECURE
Exhaust Stack CHECK SECURE
Nose Wheel, Strut, & Tire CONDITION
Static Source Opening CHECK CLEAR

LEFT WING

Pitot Tube CHECK CLEAR
Fuel Vent Tube CHECK CLEAR
Stall Warning Vent CHECK CLEAR
Wingtip & Leading Edge CHECK
Aileron CONDITION/OPERATION
Flap CHECK CONDITION & BACKLASH
Tire, Wheel, & Brakes CONDITION
Door CONDITION

- BEFORE STARTING ENGINE -

Tow Bar STOWED
Passenger Brief COMPLETE
Seat, Seat Belt, Shoulder Harness ADJUST
Avionics & Electric Switches OFF
Circuit Breakers CHECK IN
Fuel Selector Valve RECHECK ON BOTH
Beacon ON
Navigation Light ON

- STARTING ENGINE -

COLD ENGINE

Mixture NOT FULL RICH (out 1" for altitude)
Throttle OPEN ¼ INCH
Carb Heat COLD
Prime 2-3 TIMES & LOCK
Propeller Area CHECK CLEAR
Master Switch BATTERY ON
Ignition Switch START
(release @ engine start & verify disengaged)
Throttle 1000 RPM or less
Oil Pressure CHECK

WARM ENGINE

Mixture NOT FULL RICH (out 1" for altitude)
Throttle OPEN ¼ INCH
Carb Heat COLD
Prime ½ - 1 TIME & LOCK
Propeller Area CHECK CLEAR
Master Switch BATTERY ON
Ignition Switch START
(release @ engine start & verify disengaged)
Throttle 1000 RPM or less
Oil Pressure CHECK

- AFTER STARTING ENGINE -

Master Switch ALTERNATOR ON
Wing Flaps UP
Avionics & Headsets ON
ATIS/AWOS/Clearance OBTAIN
Transponder STANDBY, SET CODE
Mixture LEAN FOR TAXI

- TAXI -

Cabin Doors CLOSED & LOCKED
Taxi/Landing Light ON
Taxi Clearance OBTAIN (as necessary)
Taxi Path CLEAR & BRIEF
Parking Brake RELEASE
Brakes TEST & RELEASE
Turn Coordinator CHECK (in turns)
Sterile Cockpit MAINTAIN

- BEFORE TAKEOFF -

Nose Wheel STRAIGHT
Parking Brake SET
Taxi/Landing Light OFF
Seat, Seat Belt, Shoulder Harness ADJUST
Cabin Doors RECHECK CLOSED & LOCKED
Flight Controls CHECK FREE & CORRECT
Flight Instruments CHECKED & CORRECT
Fuel Quantity RECHECK adequate for flight
Primer RECHECKED IN & LOCKED
Fuel Selector RECHECK BOTH
Trim Controls SET FOR TAKEOFF
Throttle SET 1700 RPM
Mixture RICH or SET FOR ALTITUDE
Magnetos CHECK (125 max, 50 diff)
Carb Heat CHECK
Vacuum CHECK GAUGE
(4.6"-5.4" on suction gauge)
Engine Instruments CHECK
Ammeter CHECK GAUGE
Throttle CHECK IDLE, then 1000 RPM or less
Wing Flaps SET FOR TAKEOFF
Radios (Comm & Nav) SET
Transponder ALT
Parking Brake RELEASE
Taxi/Landing, Strobe Lights AS NEEDED
Takeoff Clearance OBTAIN/ANNOUNCE