

SPRINGS AVIATION

CESSNA 172N 180HP

N5155K

NORMAL PROCEDURES CHECKLIST

- AFTER TAKEOFF

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

- CRUISE -

Power SET (2200-2700 RPM)
Elevator Trim SET
Mixture LEAN
Engine Instruments CHECK
Heading Indicator SET TO COMPASS
Lights. ON - AS NECESSARY

- IN-RANGE/DESCENT/APPROACH -

ATIS/AWOS CHECK ASAP
Approach Brief COMPLETE
Airport Diagram (Keep Available) CHECK
Seat Belts & Shoulder Harness. FASTENED
Mixture ENRICHEN AS NEEDED
Carb Heat. USE AS NEEDED
Fuel Selector BOTH
Parking Brake CHECK RELEASED
Heading Indicator SET TO COMPASS
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
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
Throttle 1000 RPM
Mixture CUTOFF
Ignition Switch OFF (Keys Removed)
Master Switch OFF
Hobbs & Tach RECORD ON FSP

OUTSIDE TIEDOWN & INSPECTION

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

@2550lbs
@1950lbs
0
1

Vr: 55 kts
Vx: 61 kts
Vy: 70 kts
Vg: 65 kts
Va : 105 kts
Va : 89 kts
Vs: 33 kts
Vs: 44 kts
Vno: 127 kts
Vne: 158 kts

This checklist is only for training purposes and is not intended to replace the POH.
Revised 9/02/2023

- PREFLIGHT INSPECTION -

Weather CHECK
W&B & Performance. COMPUTE

CABIN

Hobbs & Tach DISPATCH ON FSP
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
Low Volt Light CHECK ON
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

- PREFLIGHT INSPECTION (Continued)

AFT FUSELAGE & EMPENNAGE

Baggage Door SECURE
Antennas SECURE
Stabilizers CHECK CONDITION
Elevator & Rudder CONDITION/OPERATION
Trim Tabs CHECK

RIGHT WING

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

- BEFORE STARTING ENGINE

Tow Bar STOWED
Passenger Brief COMPLETE (S.A.F.E.T.Y)
Seat, Seat Belt, Shoulder Harness ADJUST
Avionics & Electric Switches OFF
Circuit Breakers CHECK IN
Fuel Selector Valve RECHECK ON BOTH
Beacon ON
Navigation Light AS REQUIRED

- STARTING ENGINE -

Mixture NOT FULL RICH (out 1" for altitude)
Throttle OPEN ¼ INCH
Carb Heat COLD
Prime 2-3 TIMES & LOCK
(If engine is warm only prime ½ - 1 times)
Propeller Area CHECK CLEAR
Master Switch BATTERY ON
Ignition Switch START
(release @ engine start & verify disengaged)
Throttle 1000 RPM or less
Oil Pressure CHECK
Mixture LEAN FOR TAXI

- AFTER STARTING ENGINE -

Master Switch ALTERNATOR ON
Wing Flaps UP
Avionics & Headsets ON
ATIS/AWOS OBTAIN
Clearance OBTAIN (As Necessary)
Transponder ALT, SET CODE

- BEFORE TAXI

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

- BEFORE TAKEOFF -

Nose Wheel STRAIGHT
Parking Brake SET
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

Throttle SET 1800 RPM
Mixture RICH or SET FOR ALTITUDE
Magnetos CHECK (175 max, 50 diff)
Carb Heat CHECK
Vacuum Gauge CHECK
Engine Instruments CHECK
Ammeter CHECK GAUGE & LIGHT
Throttle CHECK IDLE
Throttle 1000 RPM or less
Throttle CHECK FRICTION LOCK

Wing Flaps SET FOR TAKEOFF
Trim Controls VERIFY TAKEOFF
Radios (Comm & Nav) SET
Transponder ALT
Parking Brake RELEASE
Landing, Strobe Lights AS NEEDED
Takeoff Clearance OBTAIN/ANNOUNCE