

SPRINGS AVIATION

CESSNA 172P 180HP

N62740

NORMAL PROCEDURES CHECKLIST

- AFTER TAKEOFF

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

- CRUISE

Power SET (2100-2600 RPM)
Elevator Trim SET
Mixture LEAN
Engine Instruments CHECK
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
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

Vr: 55 kts
Vx: 65 kts
Vy: 72 kts
Vg: 68 kts
Va @2550lbs: 105 kts
Va @1900lbs: 90 kts
Vs0: 40 kts
Vs1: 48 kts
Vno: 129 kts
Vne: 163 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
Fire Extinguisher CHECK
Ignition & Avionics Switch OFF
Master Switch BATTERY ON
Fuel Gauges CHECK QUANTITY
Low Vacuum & Volt Lights 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, 1 belly) 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
ADS-B Out Fin CHECK CONDITION
(DO NOT TOUCH!)
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
Selector Valve RECHECK ON BOTH
Beacon ON
Navigation Light ON

- 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

- AFTER STARTING ENGINE

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

- BEFORE TAXI

Cabin Doors CLOSED & LOCKED
Taxi 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
Taxi 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 1700 RPM
Mixture RICH or SET FOR ALTITUDE
Magnetos CHECK (125 max, 50 diff)
Carb Heat 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
Taxi, Landing, Strobe Lights AS NEEDED
Takeoff Clearance OBTAIN/ANNOUNCE