

- AFTER TAKEOFF -

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

- CRUISE -

Power SET (2100-2700 RPM)
Elevator Trim SET
Mixture LEAN
Engine Instruments CHECK
Lights ON - AS NECESSARY

- IN-RANGE/DESCENT/APPROACH -

ATIS/AWOS CHECK ASAP
Altimeters (All 3, including Autopilot) SET
CDI Softkey VOR/GPS(As Required)
G1000 ALT Select SET
KAP 140 Altitude Preselect SET(As Necessary)
Approach Brief COMPLETE
Airport Diagram (Keep Available) CHECK
Seat Belts FASTENED
Mixture ENRICHEN AS NEEDED
Fuel Selector BOTH
Parking Brake CHECK RELEASED
Landing Light ON

- BEFORE LANDING (Memory Items) -

Lights AS REQUIRED
Gas BOTH
Undercarriage FIXED
Mixture SET AS REQUIRED
Propeller FIXED
Seat Belts / Shoulder Harness ON
Cabin PWR 12V Switch OFF
Autopilot OFF

- AFTER LANDING (Memory Items)-

Wing Flaps UP
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
Magnetos CHECK GROUNDING
Throttle 1000 RPM
Mixture CUTOFF
Ignition Switch OFF (Keys Removed)
Master Switch OFF
STBY BATT Switch OFF
Hobbs & Tach RECORD ON FSP

OUTSIDE TIEDOWN & INSPECTION

Fuel Selector LEFT/RIGHT
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 4/22/2022*

SPRINGS AVIATION

CESSNA 172SP 180HP

N6026S

NORMAL PROCEDURES CHECKLIST

- PREFLIGHT INSPECTION -

Pre-Plane

Weather CHECK
W&B & Performance COMPUTE

CABIN

Hobbs & Tach RECORD ON FSP
Documents (A.R.R.O.W) CHECK
G1000 Cockpit Reference Guide AVAILABLE
Parking Brake SET
Control Wheel/Gust Lock REMOVE
Pitot Tube Cover REMOVE
Fire Extinguisher CHECK
Ignition & Avionics Switch (BUS 1 and 2) OFF
Master Switch (ALT and BAT) ON
Primary Flight Display VERIFY ON
Fuel Quantity and Annunciators CHECK
Vacuum & Oil Annunciators CHECK ON
Avionics Cooling Fan TEST
(Cycle Avionics Fan Individually. Check Audible)
Lights ON – CHECK – OFF
Pitot Heat ON – CHECK – OFF
Wing Flaps EXTEND FULLY
Low Volts Annunciators CHECK
Master Switch (ALT and BAT) OFF
Alternate Static Source OFF
Elevator Trim Control TAKEOFF
Fuel Selector Valve BOTH

EXTERIOR

Fuel Tank Sumps (5/wing, 3 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
Autopilot Static Source CHECK CLEAR
Antennas SECURE
Stabilizers CHECK CONDITION
Elevator & Rudder CONDITION/OPERATION
ADS-B Out Fin CHECK CONDITION
Trim Tabs CHECK

RIGHT WING

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

NOSE, ENGINE, PROPELLER, & COWLING

Engine Cowling CHECK SECURITY
Oil Quantity CHECK
Propeller & Spinner CHECK CONDITION
Engine Cooling Air Inlets CHECK CLEAR
Alternator Drive Belt CHECK CONDITION
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
Wheel & Brakes CONDITION
Door CONDITION

- BEFORE STARTING ENGINE -

Tow Bar STOWED
Passenger Brief COMPLETE
Seat & Seat Belt ADJUST
Avionics & Electric Switches OFF
Circuit Breakers CHECK IN
Fuel Selector Valve RECHECK ON BOTH
Fuel Shutoff Valve ON (Push Full In)

- STARTING ENGINE -

Throttle OPEN ¼ INCH
STBY BATT SWITCH TEST(10 sec, then ARM)
Verify PFD comes on

Engine Indicating System Check
No Red X's through Engine Page Indicators
BUS E Volts: 24 VOLTS min
M BUS Volts: 1.5 or less
BATT S Amps: Discharge Shown
STBY BATT Annunciator Listed in Alerts
Master Switch (ALT and BAT) ON
Beacon ON
Navigation Light ON
Propeller Area CHECK CLEAR
Aux Fuel Pump ON
Mixture FULL RICH (until stable fuel flow)
(if engine is warm less priming will be required)
Mixture IDLE CUTOFF
Aux Fuel Pump OFF
Ignition Switch START
(release @ engine start & verify disengaged)
Mixture NOT FULL RICH (out 1" for alt)
Throttle 1000 RPM
Oil Pressure CHECK
Amps (M BATT and BATT S) CHECK POSITVE
Low Volts Annunciator CHECK NOT VISIBLE
Mixture LEAN FOR TAXI

- AFTER STARTING ENGINE -

Wing Flaps UP
Avionics & Headsets ON
MFD Database CHECK
ATIS/AWOS/Clearance OBTAIN(As Necessary)
TransponderALT, SET CODE

- BEFORE TAXI -

Cabin Doors CLOSED & LOCKED
Taxi Light ON
Taxi Clearance OBTAIN (as necessary)
Taxi Path CLEAR & BRIEF
Parking Brake RELEASE
Brakes TEST & RELEASE
Flight Instruments 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 (PFD) CHECKED & CORRECT
Altimeters:
PFD(BARO) SET
Standby Altimeter SET
KAP 140 Autopilot (BARO) SET
G1000 ALT Select SET
KAP 140 Altitude Preselect SET
Manual Electric Trim CHECK
(Refer to POH, Supplement 3, for Trim Procs.)
Standby Flight Instruments CHECK
Fuel Quantity RECHECK adequate for flight
Fuel Selector RECHECK BOTH
Throttle SET 1800 RPM
Mixture RICH or SET FOR ALTITUDE
Magnetos CHECK (175 max, 50 diff)
Vacuum CHECK
Engine Instruments CHECK
Ammeter/Voltmeter CHECK
Annunciators CHECK NONE
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
FMS/GPS Flight Plan SET(As Desired)
CDI Softkey VOR/GPS(As Required)
Autopilot OFF
Cabin PWR 12V Switch OFF
Transponder ALT
Parking Brake RELEASE
Taxi, Landing, Strobe Lights AS NEEDED
Takeoff Clearance OBTAIN/ANNOUNCE