

- 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
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

@2550lbs
@1900lbs
0
1

Vr: 55 kts
Vx: 65 kts
Vy: 72 kts
Vg: 68 kts
Va : 105 kts
Va : 90 kts
Vs: 40 kts
Vs: 48 kts
Vno: 129 kts
Vne: 163 kts

This checklist is only for training purposes and is not intended to replace the POH.
Revised 09/05/2023



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

MasterSwitch (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 POSITIVE

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)
- Transponder ALT, 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