

**- 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  
Lights . . . . . ON - AS NECESSARY  
Heading Indicator . . . . . SET TO COMPASS

**- IN-RANGE/DESCENT/APPROACH**

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

**- BEFORE LANDING (Memory Items)**

Lights . . . . . AS REQUIRED  
Carb Heat . . . . . NO FACTOR  
Gas . . . . . BOTH  
Undercarriage . . . . . FIXED  
Mixture . . . . . SET AS REQUIRED  
Propeller . . . . . FIXED  
Seat Belts / Shoulder Harness . . . . . ON

**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 . . . . . 1500 RPM  
Mixture . . . . . CUTOFF  
Ignition Switch . . . . . OFF (Keys Removed)  
Master 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



CESSNA 172R 180HP

**N9550G**

NORMAL PROCEDURES CHECKLIST

**PREFLIGHT INSPECTION**

Weather . . . . . CHECK  
W&B & Performance . . . . . COMPUTE

CABIN

Hobbs & Tach . . . . . RECORD 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 (5/wing, 3 belly) . . . . . CHECK  
Fuel Tank Quantity . . . . . CHECK  
Fuel Filler Cap . . . . . CHECK SECURE  
Tie-downs & Chocks . . . . . REMOVE  
Windshield & Windows . . . . . CLEAN

This checklist is only for training purposes and is not intended to replace the POH.  
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**PREFLIGHT INSPECTION (Continued) -**

AFT FUSELAGE & EMPENNAGE

- Baggage Door . . . . . SECURE
- Antennas . . . . . SECURE
- Stabilizers . . . . . CHECK CONDITION
- Elevator & Rudder . . . . . CONDITION/OPERATION
- ADS-B Out Fin . . . . . CHECK CONDITION  
(DO NOT TOUCH!)
- 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
- Alternator Drive Belt . . . . . CHECK TENSION
- Engine Cooling Air Inlets . . . . . CHECK CLEAR
- 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 (S.A.F.E.T.Y)
- Seat & Seat Belt . . . . . ADJUST
- Avionics & Electric Switches . . . . . OFF
- Circuit Breakers . . . . . CHECK IN
- Fuel Selector Valve . . . . . RECHECK ON BOTH
- Beacon . . . . . ON
- Navigation Light . . . . . ON

**STARTING ENGINE**

- Throttle . . . . . OPEN ¼ INCH  
(if engine is warm put throttle HALF OPEN)
- Master Switch . . . . . BATT ON, ALT 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

IF ENGINE DOES NOT START

Sump foremost belly sump 3 FULL TIMES and then retry STARTING ENGINE checklist as a warm engine

**- AFTER STARTING ENGINE**

- Master Switch . . . . . VERIFY BATT & ALT 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
- Fuel Selector . . . . . RECHECK BOTH

- Throttle . . . . . SET 1800 RPM
- Mixture . . . . . RICH or SET FOR ALTITUDE
- Magnetos . . . . . CHECK (150 max, 50 diff)
- Vacuum . . . . . CHECK GAUGE & LIGHT
- 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