

## CESSNA SKYHAWK XP 172K 210HP N1025V

### NORMAL PROCEDURES CHECKLIST

#### - PREFLIGHT INSPECTION -

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

#### CABIN

Hobbs & Tach ..... CHECK after engine start  
Documents (A.R.R.O.W) ..... CHECK  
Parking Brake ..... SET  
Control Wheel/Gust Lock ..... REMOVE  
Pitot Tube Cover ..... REMOVE  
Fire Extinguisher ..... N/A  
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 ..... CHECK ON/OFF  
Elevator Trim Control ..... TAKEOFF  
Fuel Selector Valve ..... BOTH

#### EXTERIOR

Fuel Tank Sumps (1 per wing, 1 belly) . . . . . CHECK  
Fuel Tank Quantity ..... CHECK  
Fuel Filler Cap ..... CHECK SECURE  
Tie-downs & Chocks ..... REMOVE  
Windshield & Windows ..... CLEAN

#### AFT FUSELAGE & EMPENNAGE

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

#### - AFTER TAKEOFF -

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

#### - CRUISE -

Power ..... SET (2200-2600 RPM)  
Elevator and Rudder Trim ..... ADJUST  
Mixture ..... LEAN  
Cowl Flap ..... CLOSED  
Engine Instruments ..... CHECK  
Landing Light ..... ON - AS NECESSARY  
Heading Indicator ..... CHECK SET TO COMPASS

#### - IN-RANGE/DESCENT/APPROACH -

ATIS/AWOS ..... CHECK ASAP  
Preliminary Approach Brief ..... COMPLETE  
Airport Diagram (Keep Available) ..... CHECK  
Seat Belts & Shoulder Harness ..... 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  
Gas ..... BOTH  
Undercarriage ..... FIXED  
Mixture ..... SET AS REQUIRED  
Propeller ..... SET HIGH RPM  
Seat Belts / Shoulder Harness ..... ON

#### - AFTER LANDING (Memory Items)-

Wing Flaps ..... UP  
Lights ..... AS REQUIRED  
Transponder ..... STANDBY  
Mixture ..... LEAN  
Cowl Flap ..... OPEN  
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  
**Hobbs & Tach** ..... **CHECK & RECORD**  
Mixture ..... CUTOFF  
Ignition Switch ..... OFF (Keys Removed)  
Master Switch ..... OFF

#### OUTSIDE TIEDOWN & INSPECTION

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

Vr: 60 kts

Vx: 65 kts

Vy: 75 kts

Vg: 70-75 kts

Va @2550lbs: 105 kts

Va @1750lbs: 87 kts

Vs0: 53 kts

Vs1: 46 kts

Vno: 129 kts

Vne: 163 kts

Vfe: 85 kts

*This checklist is for quick reference – it does  
not replace the POH.  
Revised 05 October 2020*

**- PREFLIGHT INSPECTION (Continued) -**

**RIGHT WING**

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

**NOSE, ENGINE, PROPELLER, & COWLING**

Engine Cowling ..... CHECK SECURITY  
Static Source Opening Right Side... CHECK CLEAR  
Fuel Strainer ..... DRAIN  
Oil Quantity ..... CHECK  
Propeller & Spinner ..... CHECK CONDITION  
Engine Cooling Air Inlets ..... CHECK CLEAR  
Exhaust Stack ..... CHECK SECURE  
Nose Wheel, Strut, & Tire ..... CONDITION  
Static Source Opening Left Side... 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  
Tire, Wheel, & Brakes ..... CONDITION  
Door ..... CONDITION

**- BEFORE STARTING ENGINE -**

Tow Bar ..... STOWED  
Passenger Brief ..... COMPLETE  
Seat, Seat Belt, Shoulder Harness ..... ADJUST  
Avionics & Electric Switches ..... OFF  
Fuel **SHUT-OFF** Valve..... CHECK ON  
Fuel **Selector** Valve ..... RECHECK ON BOTH  
Beacon ..... ON  
Cowl Flap ..... OPEN  
Circuit Breakers ..... CHECK IN

**- STARTING ENGINE -**

**COLD or HOT ENGINE**

Throttle .....FULL (IN)  
Propeller.....HIGH RPM (IN)  
Mixture..... FULL RICH (IN)  
Propeller Area ..... CHECK CLEAR  
Master Switch ..... BATTERY ON  
Aux Fuel Pump Switch.....HIGH

- The fuel flow will jump twice.  
- Wait for 8-10 GPH

Aux Fuel Pump Switch..... LOW  
Throttle ..... HALF OPEN  
Mixture.....FULL LEAN (OUT)  
Ignition Switch..... START

***WHEN ENGINE FIRES***

MIXTURE .....MOVE TO 1 INCH OUT

***ENSURE ENGINE IS RUNNING, then***

Throttle .....1000 - 1200 RPM  
Verify starter disengaged  
Oil Pressure ..... CHECK

**- AFTER STARTING ENGINE -**

Master Switch ..... ALTERNATOR ON  
Wing Flaps ..... UP  
Avionics & Headsets ..... ON  
ATIS/AWOS/Clearance ..... OBTAIN  
Transponder ..... STANDBY, SET CODE  
Mixture ..... LEAN FOR TAXI

**- 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)  
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  
Trim Controls ..... SET FOR TAKEOFF  
Throttle ..... SET 1800 RPM  
Mixture ..... RICH or SET FOR ALTITUDE  
Magnetos ..... CHECK (150 max, 50 diff)  
Propeller..... CYCLE HIGH to LOW  
then set HIGH  
Vacuum ..... CHECK GAUGE  
Engine Instruments ..... CHECK  
Ammeter ..... CHECK GAUGE & LIGHT  
Throttle ... CHECK IDLE, then 1000 RPM or less  
Wing Flaps ..... SET FOR TAKEOFF  
Radios (Comm & Nav) ..... SET  
Transponder ..... ALT  
Parking Brake ..... RELEASE  
Taxi, Landing, Strobe Lights ..... AS NEEDED  
Takeoff Clearance ..... OBTAIN/ANNOUNCE