

**Cockpit**

Hobbs Meter..... **CHECK**  
 Required Documents ..... **AROW**  
 Structural Temp (If OAT > 100°F) **CHECK**  
 Canopy..... **CHECK**  
 GEN/BAT Master Switch..... **ON**  
 GEN & Canopy Lights ..... **ON**  
 Fuel Guage ..... **CHECK**  
 Lights (Interior & Exterior) .... **CHECK**  
 Trim & Flap Indicator Lights... **CHECK**  
 GEN/BAT Master Switch..... **OFF**

**Left Wing**

Main Gear & Strut..... **CHECK**  
 Stall Warning..... **CHECK**  
 Pitot / Static..... **CHECK**  
 Tie-Down ..... **REMOVE**  
 Leading Edge ..... **CHECK**  
 Landing Light ..... **CHECK**  
 Wing & Tip..... **CHECK**  
 Aileron Counter Weight..... **CHECK**  
 Aileron & Inspection Panel..... **CHECK**  
 Flap & Inspection Panel..... **CHECK**

**Fuselage & Tail**

Fuselage Left..... **CHECK**  
 Fuel Quantity..... **CHECK**  
 Fuel Vent..... **CHECK**  
 Fuel Sumps..... **SAMPLE**  
 Antennas..... **CHECK**  
 Control Surfaces..... **CHECK**  
 Tail Skid..... **CHECK**  
 Tie-Down ..... **REMOVE**  
 Fuselage Right..... **CHECK**

**Right Wing**

Flap & Inspection Panel..... **CHECK**  
 Aileron & Inspection Panel..... **CHECK**  
 Aileron Counter Weight..... **CHECK**  
 Wing & Tip..... **CHECK**  
 Leading Edge ..... **CHECK**  
 Tie-Down ..... **REMOVE**  
 Main Gear & Strut..... **CHECK**

**Nose**

Cowling Right..... **CHECK**  
 Oil ..... **4-6 QTS**  
 Air Intakes..... **CHECK**  
 Alternator Belt..... **CHECK**  
 Propeller & Spinner..... **CHECK**  
 Nose Gear..... **CHECK**  
 Cowling Left..... **CHECK**

**Airport Etiquette**

**Please conduct pre-flight while aircraft is in a designated parking area.**

**Please do not dispose of fuel onto ramp, taxiways, or tie-down spaces.**

**Please load all baggage prior to pulling aircraft onto taxiway.**

**Please pull aircraft out of designated parking area and aligned with the taxiway centerline prior to starting engine(s).**

**Please do not block taxiways for periods longer than necessary while loading passengers and performing engine start-up.**

**THANK YOU! FLY SAFELY.**

**Aircraft Specs**

Oil Capacity..... **6 QTS**  
 Fuel Capacity..... **24 GAL USABLE**  
 Useful Load..... **567 LBS**  
 Payload (Full Tank)..... **423 LBS**  
 Payload (1/2 Tank)..... **495 LBS**

**Performance**

V<sub>SO</sub> (LDG Flaps) ..... **34 KIAS**  
 V<sub>S</sub> (T/O Flaps)..... **40 KIAS**  
 V<sub>S</sub> (Cruise Flaps)..... **42 KIAS**  
 V<sub>X</sub> (T/O Flaps)..... **57 KIAS**  
 V<sub>X</sub> (Cruise Flaps)..... **60 KIAS**  
 V<sub>Y</sub> (T/O Flaps)..... **68 KIAS**  
 V<sub>Y</sub> (Cruise Flaps)..... **75 KIAS**  
 V<sub>FE</sub> ..... **78 KIAS**  
 V<sub>A</sub> ..... **106 KIAS**  
 V<sub>NO</sub> ..... **118 KIAS**  
 V<sub>NE</sub> ..... **164 KIAS**

Best Glide..... **70 KIAS**  
 Approach..... **52 KIAS**  
 Max Crosswind..... **15 KTS**

**Before Starting Engine**

Pedals ..... **ADJUST**  
 Saftey Belts ..... **CHECK**  
 Circuit Breakers..... **CHECK**  
 Fuel Shut-Off Valve..... **OPEN**  
 Parking Brake ..... **SET**  
 Canopy..... **CLOSED & LATCHED**

**Starting Engine**

Avionics Master Switch..... **OFF**  
 GEN/BAT Master Switch..... **ON**  
 Generator Warning Light ..... **ON**  
 Canopy Warning Light..... **OFF**  
 Strobes..... **ON**  
 Mixture..... **FULL RICH**  
 Prop Area ..... **CLEAR**  
 Fuel Pump ..... **ON**  
 Fuel Prime ..... **ON**  
 Throttle ..... **FULL 3 SECONDS**  
 Throttle (Cold Start) .... **1/4" OPEN**  
 (Hot Start) ..... **3/4" OPEN**  
 Starter ..... **ENGAGE**  
 Starter Warning Light..... **ON**  
 Throttle..... **800-1000 RPM**  
 Fuel Prime..... **OFF**  
 Engine Guages ..... **CHECK**  
 Starter Warning Light ..... **OFF**

**Before Taxi**

Fuel Pump ..... **ON**  
 Lights ..... **AS REQUIRED**  
 Avionics Master Switch..... **ON**  
 Transponder..... **STANDBY**  
 Flaps ..... **CRUISE**  
 Parking Brakes..... **RELEASE**  
 Brakes ..... **TEST**

**Run-Up**

Parking Brakes..... **SET**  
 Controls ..... **FREE**  
 Instruments..... **SET**  
 Fuel Pressure ..... **CHECK**  
 Fuel Quantity..... **CHECK**  
 Oil Temp..... **CHECK**  
 Oil Pressure ..... **CHECK**  
 Mixture ..... **FULL RICH**  
 Throttle..... **1700 RPM**  
 Magnetos..... **CHECK**  
 Vacuum ..... **CHECK**  
 Throttle..... **800-1000 RPM**  
 Ammeter..... **CHECK**  
 Volts ..... **CHECK**  
 Parking Brake ..... **RELEASE**

**Before Take-Off**

Safety Belts ..... **CHECK**  
 Flaps..... **T/O**  
 Trim..... **Neutral**  
 Lights..... **AS REQUIRED**  
 Landing Light..... **ON**  
 Fuel Pump ..... **ON**  
 Transponder..... **ALT**  
 Mixture..... **FULL RICH**  
 Time ..... **NOTE**

**Take-Off**

Throttle..... **FULL**  
 Engine Gauges ..... **CHECK**  
 Airspeed ..... **LIVE**  
 Rotate..... **44 KIAS**  
 Climb-Out (V<sub>x</sub>) ..... **57 KIAS**  
 (V<sub>y</sub>) ..... **68 KIAS**

**Departure**

Flaps (+ 400' AGL) ..... **CRUISE**  
 Airspeed (V<sub>x</sub>) ..... **60 KIAS**  
 (V<sub>y</sub>) ..... **75 KIAS**  
 Engine Gauges ..... **CHECK**

**Cruise**

Landing Light..... **OFF**  
 Fuel Pump..... **OFF**  
 Engine Gauges ..... **CHECK**

**Before Landing**

Landing Light..... **ON**  
 Fuel Pump ..... **ON**  
 Mixture..... **FULL RICH**  
 Safety Belts ..... **CHECK**  
 Parking Brake ..... **OFF**

**After Landing**

Transponder..... **STANDBY**  
 Flaps..... **CRUISE**  
 Lights..... **AS REQUIRED**

**Engine Shutdown**

Avionics Master Switch..... **OFF**  
 Electrical Equipment ..... **OFF**  
 Fuel Pump ..... **OFF**  
 Mag Ground ..... **CHECK**  
 Mixture..... **CUTOFF**  
 Magnetos ..... **OFF**  
 GEN/BAT Master Switch..... **OFF**  
 Hobbs Meter..... **CHECK**  
 Tie-Downs ..... **SECURED**