

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..... **CHECK**
 Flaps **DOWN**
 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 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.

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

Checklists for reference only. Always refer to the approved aircraft manual for proper operating procedures.

Aircraft Specs

Oil Capacity..... **6 QTS**
 Fuel Capacity..... **24 GAL USABLE**
 Useful Load..... **558 LBS**
 Payload (Full Tank)..... **414 LBS**
 Payload (1/2 Tank)..... **486 LBS**

Performance

V_{SO} (LDG Flaps)..... **36 KIAS**
 V_S (T/O Flaps)..... **40 KIAS**
 V_S (Cruise Flaps)..... **44 KIAS**
 V_X (T/O Flaps)..... **57 KIAS**
 V_X (Cruise Flaps)..... **60 KIAS**
 V_Y (T/O Flaps)..... **68 KIAS**
 V_Y (Cruise Flaps)..... **75 KIAS**
 V_{FE} (LDG Flaps)..... **78 KIAS**
 V_{FE} (T/O Flaps)..... **100 KIAS**
 V_A..... **106 KIAS**
 V_{NO}..... **118 KIAS**
 V_{NE}..... **164 KIAS**
 Best Glide..... **73 KIAS**
 Approach..... **55 KIAS**
 Demonstrated Crosswind **20 KTS**

Before Starting Engine

Pedals **ADJUST**
 Safety Belts **ON**
 Circuit Breakers..... **CHECK**
 Fuel Valve..... **ON**
 Brakes..... **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..... **RICH**
 Fuel Pump **ON**
 Fuel Prime..... **ON**
 (Cold Start) Throttle **FULL 3+ SECONDS**
 To Prime, Then **1/4 inch OPEN**
 (Hot Start) Throttle..... **FULL 1-3 SECONDS**
 To Prime, Then **1/2 - 1 inch OPEN**
 Prop Area **CLEAR**
 Starter..... **ENGAGE**
 Throttle..... **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**
 Brakes **TEST**

Run-Up

Brakes **SET**
 Controls **FREE**
 Instruments..... **SET**
 Fuel Pressure **CHECK**
 Fuel Quantity..... **CHECK**
 Oil Temp..... **CHECK**
 Oil Pressure **CHECK**
 Mixture..... **RICH**
 Throttle..... **1700 RPM**
 Magnetos..... **CHECK**
 Vacuum **CHECK**
 Alternate Air..... **CHECK**
 Throttle..... **1000 RPM**
 Ammeter..... **CHECK**
 Volts **CHECK**

Before Take-Off

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

Take-Off

Throttle..... **FULL**
 Engine Gauges **CHECK**
 Initial Climb..... **58 KIAS**
 Flaps (+ 400' AGL) **CRUISE**
 Climb-Out **75 KIAS**

Cruise

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

Before Landing

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

After Landing

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

Engine Shutdown

Throttle..... **1700 RPM**
 Mag Check..... **Cycle L- BOTH -R- BOTH**
 Throttle..... **IDLE**
 Fuel Pump..... **OFF**
 Avionics Master Switch..... **OFF**
 Electrical Equipment **OFF**
 Mixture..... **CUTOFF**
 Magnetos **OFF**
 GEN/BAT Master Switch..... **OFF**
 Hobbs Meter..... **CHECK**
 Tie-Downs **SECURED**