

FREQUENCIES

BED

ATIS.....124.6

GROUND.....121.7

TOWER.....118.5

BOS APP...124.4

Signature 781-274-0010 / 130.8

OWD

ATIS.....119.95

GROUND....121.8

TOWER.....126.0

BOS APP...124.1

ASH

ATIS.....125.1

GROUND....121.8

TOWER.....133.2

BOS APP...124.9

Practice area-ALL 123.5

Emergency (guard)121.5

PREFLIGHT

COCKPIT SAFETY CHECK

Magnetos OFF, KEYS OUT**Mixture CUTOFF****Throttle CLOSED**

Hobbs & tach RECORD

Documents (AR(R)OW)..... CHECK

Flight controls RELEASE

Parking brake-RELEASED/AS REQUIRED

Avionics/Radio master OFF

Electrical switches..... OFF

Strobes.....ONMaster switch **PROP CLEAR** ON

Fuel gauges CHECK

Annunciator panel.....TEST

IF IFR OR NIGHT Aux vacuum pump **ON FOR 1 SECOND**.CHECK

Exterior lights (Pitot heat-ONLY IF

IMC)...ON & CHECK

Stall horn CHECK

Exterior lights & Pitot heat..... OFF

Master switch..... OFF

Altimeter FIELD ELEVATION

Magnetic compass CHECK

Pitot & static drains..... DRAIN

Flight controls CHECK

Flaps..... EXTEND

Fire extinguisher (if installed).... CHECK

Windows..... CHECK

RIGHT WING

General condition CHECK & CLEAR

Flap CHECK

Aileron CHECK

Wingtip CHECK

Tie down/chock REMOVE

Stall strip..... CHECK INSTALLED

PIPER WARRIOR III

Fuel tank vent..... CHECK
 Fuel tank sump..... DRAIN & NO DRIPS
 Fuel tank quantity CHECK
 Fuel cap & Vent CHECK
 Main gear & Brake CHECK
 Fresh air inlet..... CHECK

NOSE

General condition & leaks CHECK
Right engine compartment ... CHECK
 Oil (max 6, min 5.5) CHECK
 Cowling Latches-L & R..... SECURE
 Propeller & spinner CHECK
 Alternator belt tension..... CHECK
 Air inlets..... CHECK
 Exhaust pipes (Hot?)..... SECURE
 Nose gear..... CHECK
 Chock (If in place) REMOVE
TOW BAR...REMOVED AND STOWED

Left engine compartment CHECK
 Cowling Latches-L & R..... SECURE
 Fuel strainer..... DRAIN & NO DRIPS

LEFT WING

General condition CHECK & CLEAR
 Fresh air inlet..... CHECK
 Main gear & Brake CHECK
 Fuel tank vent CHECK
 Fuel tank sump..... DRAIN & NO DRIPS
 Fuel tank quantity CHECK
 Fuel cap & Vent CHECK
 Tie down/chock (If in place).... REMOVE
 Pitot Tube 3 Holes CHECK
 Wingtip CHECK
 Aileron CHECK
 Flap CHECK

LEFT FUSELAGE

General condition CHECK
 Antennas..... CHECK
 Fresh air inlet..... CLEAR

EMPENNAGE

Stabilator CHECK & CLEAR
 Trim tab & Nut CHECK & CLEAR
 Rudder..... CHECK & CLEAR
 Antennas..... CHECK
 Tie down REMOVE

RIGHT FUSELAGE

General condition CHECK
 Antennas..... CHECK
 Baggage area & Ext Start Door
 SECURE Baggage door.... UNLOCKED & LATCHED

BEFORE ENGINE START

Tail Lock.....IN BAGGAGE OR COCKPIT
 Flaps.....RETRACT
 Passenger briefing COMPLETE
 Seats & seat belts. **UPRIGHT & SECURE**
 Fuel selector. **LOWEST or OTHER TANK**
 Circuit breakers..... CHECK
 Strobes ON
 Carb heat OFF
 Brakes SET & HOLD

ENGINE START

Mixture RICH
 Throttle..... ¼ INCH COLD, ½ INCH HOT
 Master & Alt switches..... ON
 Fuel pump ON
 Prime:**3-5 SECS IF COLD, 2 IF**

WARM, 0 If HOT**Propeller area..... CLEAR**

Starter ENGAGE
 Throttle.800 RPM (No Higher Than 1000)
 Oil pressure CHECK
 Fuel pump OFF
 Mixture LEAN

BEFORE TAXI

Avionics/Radio master..... ON
 Transponder (1200 or assigned)..... ALT
 Radios..... SET
 ATIS CHECK
 Flight instruments SET
 Navigation SET FLT PLAN
 Radio CLNC/GROUND/CTAF
 #2 Radio..... MONITOR 121.5
 Lights AS APPROPRIATE

TAXI

Parking Brake..... RELEASE
 Brakes CHECK
 Flight instruments CHECK

ENGINE RUNUP

Brakes SET & HOLD
 Oil Temp..... IN THE GREEN
 Fuel selector OTHER TANK
 Mixture (below 5000') RICH
 Throttle..... 2000 RPM
 Mags (Max drop 175, diff 50).... CHECK
 Vacuum (4.8-5.2") CHECK
 Engine gauges CHECK
 Annunciator panel TEST
 Load meter..... Check

ALL LTS, FUEL PUMP, & pitot ON /**OFF**

Carb heat (Approx. 75 RPM drop-**NO RISE**) ON
 Throttle (min 500 RPM) IDLE
 Carb heat OFF
 Throttle..... 1000 RPM
 Flight controls CHECK

BEFORE TAKEOFF

Fuel pump ON
 Pitot heat..... AS REQUIRED
 Flight instruments CHECK
 Trims ELEVATOR & RUDDER .. TAKEOFF
 Flaps.... NORMAL 0°, SHORT/SHORT 25°
 Seats & seat belts. UPRIGHT & SECURE
 Door-**2 LATCHES** & window SECURE
 Lights AS APPROPRIATE
 Takeoff briefing COMPLETE
 Radio TOWER/CTAF
 MIXTURE..... RICH

PIPER WARRIOR III

TAKEOFF

Mixture (below 5000') RICH
 Throttle FULL
 Power (**2330-2430 RPM=STATIC**) ...CHECK
 Engine gauges..... CHECK
 Airspeed CHECK
 Rotate (0°/25°)..... 55/52 KIAS

CLIMB

Flaps...RETRACT AT SAFE SPEED (65KIAS)
 Airspeed (cruise climb) ...87KIAS/500'/MIN
 Fuel pumpOFF- CHECK PRESSURE
 Oil pressure & Temp CHECK

CRUISE

Power AS REQUIRED
 Mixture..... LEAN AS REQUIRED

FUEL TANK SWITCH

Fuel pump ON
 Fuel selector DESIRED TANK
 Fuel pressure CHECK
 Fuel pump OFF

DESCENT

Power AS REQUIRED
 Mixture..... AS REQUIRED
 Carb heat AS REQUIRED
 Seats & seat belts. UPRIGHT & SECURE

APPROACH & LANDING

Downwind.....90 KTS
 Fuel pump ON
 Fuel selector FULLEST TANK
 Mixture (below 5000') RICH
 Carb heat (if on)..... OFF SHORT FINAL
 Flaps (<103 KIAS) AS REQUIRED
 Landing (0°) 70 KIAS
 Landing (40°) 63 KIAS

AFTER LANDING & CLEAR OF RUNWAY

Radio GROUND/CTAF
 RPM.....1000
 Lights..... AS APPROPRIATE
 Flaps.....RETRACT
 Fuel pump OFF
 Carb heat OFF
 Mixture..... LEAN
 Pitot Heat.....OFF
 Transponder.....1200

SHUTDOWN

Call for fuelAS REQUIRED
 Avionics/Radio master OFF
 ThrottleIDLE
 Mixture..... CUTOFF

WHEN PROP STOPS

MagnetosOFF, KEY OUT
 Electrical switches OFF
 Strobes.....LEAVE ON
 Master & Alt switches OFF
 Hobbs & tach RECORD
 Flight controls..... SECURE
PARKING BRAKE..... RELEASED
 Tie downs Chocks if no tie downs...in place /
 SECURE
 Cover ON

SPEEDS

Vg (0° Flaps) 73 KIAS
 Glide distance approx 1 NM per 550'
 Va (2440/1531 lbs) 111/88 KIAS
 Vfe 103 KIAS
 Vy (0°)..... 79 KIAS
 Vx (0°)..... 63 KIAS
 Vx (25°)..... 57 KIAS
 Vs0 44 KIAS
 Vs1 50 KIAS

SPECS

Usable fuel tabs/full 34g/48g
 Taxi fuel 1.0g
 Climb fuel 12.0 GPH
 Crosswind..... 17 KTS
 Cruise 3000'@65% ..2320 RPM/103KTS

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Practice area-ALL 123.5

Emergency (guard) 121.5

EMERGENCIES NOTE:

NOT ALL EPS ARE HERE.

CHECK POH FOR ADDITIONAL PROCEDURES

ENGINE FIRE DURING START

Starter CONTINUE CRANKING
 MixtureCUTOFF
 Throttle OPEN
 Fuel pump.....OFF
 Fuel selector OFF
 Evacuate to rally point

ENGINE POWER LOSS IN FLIGHT

Fuel selector **FULLEST TANK**
 Fuel pump **ON**
 Mixture **RICH**
 Carb heat **ON**
 Magnetos **BOTH**
 Engine gauges **CHECK**

IF ENGINE DOES NOT START

POWER OFF LANDING

Trim for best glide 73 KIAS
 Landing area **IDENTIFY**
 ELT **ACTIVATE**
 Radio-121.5 / TOWER / APCH. **MAYDAY**
 Transponder **7700**
 Final approach (40°) 63 KIAS
 Magnetos **OFF**
 Master switch **OFF**
 Alternator switch **OFF**
 Fuel selector **OFF**
 Mixture **CUTOFF**
 Seatbelts **SECURE**
 Door **UNLATCH**

ENGINE ROUGHNESS

Carb heat **ON**
 If still rough after **ONE MINUTE:**
 Carb heat **OFF**
 Mixture **ADJUST TO SMOOTHEST**
 Fuel pump **ON**
 Fuel selector **SWITCH TANKS**
 Engine gauges **CHECK**
 Magnetos.. **CHECK/SELECT SMOOTHEST**
 Mixture **RICH**
 Land **AS SOON AS PRACTICAL**

ENGINE FIRE IN FLIGHT

Fuel selector **OFF**
 Throttle **CLOSED**
 Mixture **CUTOFF**
 Fuel pump **OFF**
 Heater & defroster **OFF**
 Speed ...**INCREASE TO EXTINGUISH**
 Land **IMMEDIATELY**

LOSS OF FUEL PRESSURE

Fuel pump **ON**
 Fuel selector. **CHECK ON FULL TANK**

ELECTRICAL (CABIN) FIRE

Master switch **OFF**
 Alternator switch **OFF**
 Vents **OPEN**
 Heater & defroster **OFF**
 Fire extinguisher **AS NECESSARY**
 Land **AS SOON AS PRACTICAL**