

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 & tachRECORD
 Documents (AR(R)OW)..... CHECK
 Flight controls RELEASE
 Parking brake-RELEASED/AS REQUIRED
 Avionics/Radio master..... OFF
 Electrical switches..... OFF
Strobes.....ON
 Master switch **PROP CLEAR** ON
 Fuel gaugesCHECK
 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 hornCHECK
 Exterior lights (& Pitot heat)..... OFF
 Master switch..... OFF
 Altimeter FIELD ELEVATION
 Magnetic compass CHECK
 Pitot & static drains..... DRAIN
 Flight controlsCHECK
 Flaps..... EXTEND
 Fire extinguisher (if installed).... CHECK
 Windows clean & clear..... CHECK

RIGHT WING

General condition CHECK & CLEAR
 FlapCHECK
 Aileron & Static Wicks (if installed) CHECK
 Wingtip CHECK
 Tie down/chockREMOVE

PIPER WARRIOR III

Stall strip..... CHECK INSTALLED
 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 (6qts).....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 & Static Wicks (if installed) 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

StrobesON
 Carb heat OFF
 BrakesSET & HOLD

ENGINE START

MixtureRICH
 Throttle... ¼ INCH COLD, ½ INCH HOT
 Master & Alt switches..... ON
 Fuel pump ON CK PRESSURE
 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
 MixtureLEAN

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
 LightsAS APPROPRIATE

TAXI

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

ENGINE RUNUP

BrakesSET & HOLD
 Oil Temp.....IN THE GREEN
 Fuel selectorOTHER 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 THEN **OFF**
 Throttle (min 500 RPM) IDLE
 Throttle..... 1000 RPM
 Flight controls CHECK

BEFORE TAKEOFF

Fuel pumpON
 Pitot heat.....AS REQUIRED
 Flight instruments CHECK
 Trims ELEVATOR & RUDDER .. TAKEOFF
 Flaps.... NORMAL 0°, SHORT/SOFT 25°
 Seats & seat belts. UPRIGHT & SECURE
 Door-**2 LATCHES** & windowSECURE
 Takeoff briefing COMPLETE
 RadioTOWER/CTAF#2 MONITOR **121.5**
 MIXTURE..... RICH
 LightsAS APPROPRIATE

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

Fuel Pump.....ON
 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

RPM.....1000
 RadioGROUND/CTAF
 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
 Throttle IDLE
 Mixture..... CUTOFF

WHEN PROP STOPS

Magnetos.....OFF, 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... SECURE / in place

Cover..... ON
 Post Flight Walk Around.....COMPLETED

SPEEDS

Vg (0° Flaps) 73 KIAS
 Glide distance approx 1 NM per 550'
 Va (2440/1531 lbs) 111/88 KIAS
 Vfe103 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 fuel12.0 GPH
 Crosswind..... 17 KTS
 Cruise 3000'@65% ..2320 RPM/103KTS

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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 areaIDENTIFY
 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
 MixtureCUTOFF
 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 selectorSWITCH TANKS
 Engine gauges CHECK
 Magnetos.. CHECK/SELECT SMOOTHEST
 Mixture RICH
 Land AS SOON AS PRACTICAL

ENGINE FIRE IN FLIGHT

Fuel selector OFF
 ThrottleCLOSED
 MixtureCUTOFF
 Fuel pump OFF
 Heater & defroster..... OFF
 Speed ...INCREASE TO EXTINGUISH
 LandIMMEDIATELY

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