

PA28-151/161 PIPER WARRIOR II CHECKLIST

EAST COAST AERO CLUB

PREFLIGHT

COCKPIT SAFETY CHECK

MagnetosOFF, KEY OUT
MixtureCUTOFF
ThrottleCLOSED

Hobbs & TachRECORD
 Documents (A(R)ROW)CHECK
 Flight controlsRELEASE
 Parking brake releasedAS REQUIRED
 Avionics/Radios OFF
 Electrical switchesOFF
StrobesON
 Master switch **PROP CLEAR** ON
 Fuel gaugesCHECK
 Annunciator PanelCHECK
 Exterior lights ON, CHECK, OFF
DAY - Landing Lights, & Strobes
NIGHT - Landing Lights, Strobes & Nav Lights
 Pitot heat ON, CHECK, OFF
Only If required for flight

Stall horn CHECK
 Exterior lights (& Pitot heat) OFF
 Master switch OFF
 Altimeter FIELD ELEVATION
 Magnetic compass & deviation card..... CHECK
 Pitot & static drains DRAIN
 Flight controls CHECK
 FlapsEXTEND
 Fire extinguisher (if installed) CHECK
 Windows CHECK

RIGHT WING

General condition CHECK & CLEAR
 Flap CHECK
 Ailerons (& static wicks if installed) CHECK
 WingtipCHECK
 Tie down/chockREMOVE
 Stall strip (if installed) CHECK
 Fuel tank ventCHECK
 Fuel tank sumpDRAIN & NO DRIPS
 Fuel tank quantity..... CHECK
 Fuel cap & ventCHECK
 Main gear & brakeCHECK
 Fresh air inletCHECK

NOSE

General condition & leaks CHECK
Right engine compartment CHECK
 Oil (6 Qts) CHECK
 Cowling Latches - L & RSECURE
 Propeller & spinner CHECK
 Alternator belt tension CHECK
 Air inlets CHECK
 Exhaust pipes (Hot?) SECURE
 Nose gear CHECK
 Chocks (If in place) REMOVE
TOW BAR REMOVED AND STOWED

Left engine compartment CHECK
 Cowling Latches - L & RSECURE
 Fuel strainer DRAIN & NO DRIPS

LEFT WING

General condition CHECK & CLEAR
 Fresh air inletCHECK
 Main gear & brakeCHECK
 Fuel tank ventCHECK
 Fuel tank sumpDRAIN & NO DRIPS
 Fuel tank quantity..... CHECK
 Fuel tank CHECK
 Fuel cap & vent CHECK
 Stall strip (if installed)CHECK
 Tie down/chockREMOVE
 Pitot Tube (3 holes)CHECK
 WingtipCHECK
 Ailerons (& static wicks if installed) CHECK
 Flap CHECK

LEFT FUSELAGE

General conditionCHECK
 AntennasCHECK
 Fresh air inletCLEAR

EMPENNAGE

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

RIGHT FUSELAGE

General ConditionCHECK
 AntennasCHECK
 Baggage area & Ext Start DoorSECURE
 Baggage doorUNLOCKED & 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 breakersCHECK
 StrobesON
 Carb HeatOFF
 Brakes HOLD

ENGINE START

MixtureRICH
 Throttle¼ INCH COLD, ½ INCH HOT
 Master switchON
 Alternator switchON
 Fuel pumpON
PROPELLER AREACLEAR

StarterENGAGE
If engine does not start without priming
 Prime 2-4 shots
 PrimerLOCKED
 StarterENGAGE
 Throttle800 RPM (No Higher Than 1000)
 Oil pressure CHECK
 Fuel pump OFF
 Mixture LEAN

BEFORE TAXI

Avionics/Radio master ON
 Transponder (1200 VFR) ALT
 RadiosSET
 ATISCHECK
 Flight instruments SET
 Navigation SET FLT PLAN
 Radio CLNC / GROUND / CTAF
 #2 Radio MONITOR 121.5
 Lights AS APPROPRIATE

TAXI

Parking BrakeCHECK RELEASED
 Brakes CHECK
 Flight instruments CHECK

ENGINE RUNUP

Brakes 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
PITOT HEAT ON then OFF
 Carb heatON
(Approx. 75 RPM drop - NO RISE)
 Carb heat OFF
 Throttle (min 500 RPM) IDLE
 Throttle 1000 RPM
 Flight controls CHECK

BEFORE TAKEOFF

Primer LOCKED
 Trims ELEVATOR & RUDDER TAKEOFF
 Door 2 latches & Window SECURE
 Fuel pump ON
 Pitot heat AS REQUIRED
 Flight instruments CHECK
 Flaps NORMAL 0°, SHORT/SOFT 25°
 Seats & seat belts UPRIGHT & SECURE
 Takeoff briefing COMPLETE
 Radio TOWER/CTAF
 #2 Radio MONITOR 121.5
 Transponder 1200 or assigned
 Mixture (below 3000') RICH
 Lights WHEN CLRD FOR TAKEOFF ... AS APPROPRIATE

FREQUENCIES

HANSCOM - KBED

ATIS124.6
 GROUND121.7
 TOWER118.5
 BOS APP124.4
 Signature (or 781-274-0010).....130.8

PRACTICE AREA - ALL123.5

NORWOOD - KOWD

ATIS119.95
 GROUND121.8
 TOWER126.0
 BOS APP120.6 / 124.1
 Flight Level (or 781-769-8680) 129.42

EMERGENCY (GUARD)..... 121.5

NASHUA - KASH

ATIS125.1
 GROUND121.8
 TOWER133.2
 BOS APP124.9
 Infinity (or 603-598-4526)..... 129.75

PA28-151/161 PIPER WARRIOR II CHECKLIST

EAST COAST AERO CLUB

TAKEOFF

Mixture (below 3000') RICH
Throttle FULL
Power 2330-2430 RPM=STATIC CHECK
Engine gauges CHECK
Airspeed CHECK
Rotate (0°/25°) 55/52 KIAS

CLIMB

FlapsRETRACT AT SAFE SPEED (65KIAS)
Airspeed (cruise climb) ... 87KIAS/500'/MIN
Fuel pump OFF CHECK PRESSURE
Oil pressure & Temp CHECK

CRUISE

Power REDUCE SLOWLY / AS REQUIRED
Mixture.....LEAN AS REQUIRED

FUEL TANK SWITCH

Place to land in emergencyIDENTIFY
Fuel pump ON
Fuel selector DESIRED TANK
Fuel pump OFF
Fuel pressure CHECK

DESCENT

Fuel Pump ON
Fuel Selector FULLEST TANK
Power REDUCE SLOWLY/AS REQUIRED
Mixture ENRICH/AS REQUIRED
Carb heat AS REQUIRED
Seats & seat belts UPRIGHT & SECURE

APPROACH & LANDING

Downwind 90 KTS
Fuel pumpON
Fuel selector FULLEST TANK
Mixture (below 3000') RICH
Carb heat (if on) OFF SHORT FINAL
Flaps (<103 KIAS)AS REQUIRED
Landing (0°) 70 KIAS
Landing (40°) 63 KIAS

AFTER LANDING

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

SHUTDOWN

Call for fuel AS REQUIRED
Avionics/Radio master OFF
Throttle IDLE
Mixture CUTOFF

WHEN PROP STOPS

Magnetos..... OFF
KEY OUT / ON CONSOLE
Electrical switches OFF
StrobesLEAVE ON
Master & Alt switches OFF
Hobbs & tach RECORD
Flight controls SECURE
Parking Break CHECK RELEASED
Tie downs SECURE
(Chocks - if no tie downs)
Cover ` ON

SPEEDS

Vr (0°/25°) 55/52 KIAS
Vg (0° Flaps)73 KIAS
Glide distance approx 1 NM per 550'
Va (2440/1531 lbs)111/88 KIAS
Vfe 103 KIAS
Vy (0°) 151/161 75/79 KIAS
Vx (0°) 63 KIAS
Vx (25°) 57 KIAS
Vs0 44 KIAS
Vs1 50 KIAS

AIRPLANE SPECS

Usable fuel Tabs 34g / Full 48g
Taxi fuel 1.0g
Climb fuel 12.0 GPH
Max Crosswind17 KTS
Maneuvers 2200 RPM/90 KTS

Cruise Fuel Consumption

PA28-151 @ 3000' / 15°C / 75% power
109 KTS TAS 2525 RPM,9.2 GPH
PA28-161 @ 3000' / 15°C / 75% power
112 KTS TAS 2550 RPM,10.0 GPH

EMERGENCY PROCEDURES

**NOTE: NOT ALL EMERGENCY PROCEDURES
ARE HERE**
Check POH for additional procedures

ENGINE FIRE DURING START

Starter CONTINUE CRANKING
Mixture CUTOFF
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
Primer LOCKED

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 heatOFF
MixtureADJUST TO SMOOTHEST
Fuel pump ON
Fuel selectorSWITCH TANKS
Engine gaugesCHECK
MagnetosCHECK/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 switchOFF
Alternator switch OFF
VentsOPEN
Heater & defroster OFF
Fire extinguisher AS NECESSARY
LandAS SOON AS PRACTICAL

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