

Piper Warrior 161 Checklist

Note: Info for reference only. Use at own risk/
use POH for detailed info. (Revised 7/1/2019)

PREFLIGHT INSPECTION

A.R.O.W Documents.....AVAILABLE
Master Switch.....ON
Fuel Quantity.....CHECK
Lights.....CHECK
Master Switch.....OFF
Flaps.....DOWN
Tach/Hobbs Time.....RECORDED
Walk Around.....COMPLETE

BEFORE START

Flaps.....UP
Seats/Belts.....LOCKED/ON
Avionics Master.....OFF
Brakes.....HOLD
Flight Controls.....CHECKED
Circuit Breakers.....CHECKED

ENGINE START

Master Switch.....ON
Anti-Collision Beacon.....ON
Nav Lights/ADS-B.....ON
Mixture.....FULL RICH
Fuel Pump.....ON
Fuel Pressure.....CHECKED
Carb Heat.....OFF
Prime.....AS REQUIRED
Throttle.....OPEN 1/4"
Propeller Area.....CLEAR
Ignition Switch.....START/PUSH
Oil Pressure.....CHECK
Engine.....1000 RPM
Fuel Pump.....OFF
Avionics Master.....ON
Transponder.....ALT
Flight Instruments.....SET
GPS/NAV.....SET

BEFORE TAXI

Taxi Brief.....COMPLETE
Mixture.....LEAN TAXI
Landing Light.....ON
Nav Lights.....AS REQUIRED
Brakes.....CHECK

RUN-UP

Brakes.....HOLD
Landing Light.....OFF
Flight Instruments.....CHECK/SET
Annunciator Lights.....TEST
Mixture.....RICH
Throttle.....1700 RPM
Engine Gauges.....GREEN
Magnetos.....175 RPM/50 RPM DIF
Vacuum Gauge.....4.9-5.1
Carb Heat.....ON
Throttle.....IDLE
Carb Heat.....OFF
Throttle.....1000 RPM

BEFORE TAKEOFF

Trim.....SET
Fuel Pump.....ON
Fuel Selector.....FULLEST TANK
Mixture.....AS REQ
Carb Heat.....OFF
Parking Brake.....OFF
Doors.....CLOSED/LOCKED
Departure Brief.....COMPLETE
Flaps.....SET T/O
Landing Light.....ON
Strobe Light.....ON
Transponder.....ALT

NORMAL TAKEOFF

Flaps.....UP (<3000' 10°)
Rotate.....55 KTS
Climb.....80 KTS

SHORT FIELD TAKEOFF

Flaps.....25°
Rotate.....55 KTS
Climb.....63 KTS (clear obstacles)
Climb.....80 KTS
Flaps.....POSITIVE RATE/UP

SOFT FIELD TAKEOFF

Flaps.....25°
Rotate.....SOON AS POSSIBLE
Ground Effect.....UNTIL 63/80 KTS
Climb.....63/80 KTS
Flaps.....POSITIVE RATE/UP

CLIMB

Flaps.....UP
Fuel Pump.....1000' AGL/OFF
Mixture.....>3000'/LEAN
Trim.....ADJUST/SET

CRUISE

Power.....2200-2600 RPM
Trim.....SET
Fuel Selector.....FULLEST TANK
Landing Light.....OFF
Mixture.....LEAN 50° RICH OF PEAK

- PLAN DESCENT
- BRIEF ARRIVAL/APPROACH

DESCENT

Engine Instruments.....GREEN
Landing Light.....ON
Fuel Pump.....ON
Mixture.....<3000'/RICHEN
Circuit Breakers.....CHECK/IN
Fuel Selector.....FULLEST TANK
Brakes.....CHECK PRESSURE
Seats/Belts.....LOCKED/ON
Parking Brake.....OFF

BEFORE LANDING

G.U.M.P.S.

Gas.....TANK/PUMP
Undercarriage.....DOWN/LOCKED
Mixture.....RICHEN
Prop/Power.....SET
Safety/Switches.....BELTS/LIGHTS

AFTER LANDING

Flaps.....UP
Mixture.....LEAN TAXI
Carb Heat.....OFF
Fuel Pump.....OFF
Lights.....SET FOR TAXI

SHUTDOWN/SECURING

Avionics Master.....OFF
Landing Light.....OFF
Mixture.....IDLE CUT-OFF
Magnetos.....OFF/OUT
Master Switch.....OFF
Tach/Hobbs.....RECORDED

ENGINE FAILURE TAKEOFF

Throttle.....IDLE
Brakes.....APPLY
Mixture.....IDLE/CUT-OFF
Ignition Switch.....OFF
Master.....OFF

ENGINE FAIL AFTER ROTATE

Airspeed.....75 KTS
Fuel Selector.....SWITCH TANKS
Fuel Pump.....ON
Mixture.....Full Rich
Carb Heat.....ON

ENGINE FAIL IN FLIGHT

Airspeed.....75 KTS
Best Field.....LANDING SPOT
.....OVER 1000' AGL.....

Check for Problem

Declare Emergency.....121.5, 7700
Emergency Checklist.....COMPLETE

LAND W/O ENGINE POWER

Airspeed.....75 KTS
Mixture.....IDLE/CUT-OFF
Fuel Selector.....OFF
Ignition Switch.....OFF
Master Switch.....OFF

ENGINE FIRE IN FLIGHT

Fuel Selector.....OFF
Throttle.....CLOSED
Mixture.....IDLE/CUT-OFF
Cabin Heat/Air.....OFF
Defroster.....OFF

PA28-161 "Warrior" V SPEEDS

Vy.....80 Vx.....63
Vne.....160 Vno.....126
Va.....111 Vfe.....103
Vg.....75 Vso.....44
Vsi.....50 Vr.....55