

Piper Warrior II (P28A) Checklists

BEFORE ENGINE START

- Aircraft Acceptance CHECKED
- Preflight COMPLETED
- Passenger Briefing (S.A.F.E.) COMPLETED
- Seats & Seatbelts ADJ & LOCKED
- Radios & Electrical OFF
- Avionics & Autopilot OFF
- Fuel Selector - Chk all positions CHECK & SET LEFT
- Brakes TEST & HOLD
- Circuit Breakers CHECK IN
- Transponder SET 1200 & STDBY
- CHECKLIST COMPLETED

STARTING ENGINE

- Crewmember Briefing COMPLETED
- Beacon / NAV lights ON
- Carburetor Heat OFF
- Mixture FULL RICH
- Throttle ¼ in. COLD ENGINE
½ in. HOT ENGINE
- Prime UP TO 3 STROKES
- Master Switch ON
- Fuel Pump ON
- Propeller Area CLEARED
- Ignition START
- Throttle 1000 RPM
- Oil Pressure IN GREEN ARC
- Fuel Pump OFF
- Mixture LEAN @ 1200 RPM
- Engine Instruments CHECKED
- Flaps RETRACT
- Radio & Avionics ON
- Altimeter SET
- Transponder TEST, STANDBY
- CHECKLIST COMPLETE

BEFORE TAXI

- Taxi Briefing COMPLETED
- Doors & Windows CLOSED / LATCHED
- Taxi Light AS REQUIRED
- Brakes CHECKED
- CHECKLIST COMPLETED

TAXI

- Flight Instruments CHECKED
- Engine Instruments CHECKED
- CHECKLIST COMPLETED

PKD Clearance Delivery 125.2
PKD ATIS 128.4
PKD Ground 121.6
PKD Tower 120.9
PKD VOR 116.6
EMERGENCY 121.5

Best Angle Vx 63 KIAS
Best Rate Vy 79 KIAS
Best Glide 73 KIAS
Stall with flaps Vso 44 KIAS

GROUND CHECK

- Brakes HOLD
- Doors & Windows CLOSED / LATCHED
- Flight Controls FREE & CORRECT
- Elevator Trim SET FOR TAKEOFF
- Fuel Pump ON
- Fuel Selector TESTED RIGHT,
DESIRED TANK
- Primer IN & LOCKED
- Mixture FULL RICH

>> ENGINE RUN-UP <<

- Throttle 2000 RPM
- Magneto Check MAX DROP 175 RPM
DIFF DROP 50 RPM
- Carburetor Heat RPM DROP
- Suction 5.0" Hg ± .1
- Flight Instruments SET
- Engine Instruments & Ammeter CHECKED
- Annunciator Panel TESTED
- Fuel Pump OFF
- Fuel Pressure CHECKED
- Mixture above 3,000 ft. LEAN
- Throttle 800 - 1000 RPM
- Mixture LEAN @ 1200 RPM
- Throttle Friction SET
- Radios SET
- Flaps SET
- Departure Briefing COMPLETED
- CHECKLIST COMPLETED

HOLD-SHORT

- Flaps CHECKED
 - Carburetor Heat OFF
 - D. G. SET
- >> CLEARED FOR TAKEOFF <<
- Fuel Pump ON
 - Lights ON
 - Transponder ALTITUDE
 - Mixture RICH
 - Time Off RECORDED
 - CHECKLIST COMPLETED

NORMAL TAKEOFF

- Throttle FULL
- Rotate 55 KIAS
- Climb 79 KIAS

SHORT FIELD, OBSTACLE CLEARANCE

- Flaps 25° (second notch)
- Carburetor Heat COLD
- Brakes APPLY & HOLD
- Throttle FULL
- Brakes RELEASE
- Rotate 52 KIAS
- Climb 52 KIAS UNTIL CLEAR
OF OBSTACLES
- Accelerate 79 KIAS
- Flaps RETRACT SLOWLY

Piper Warrior II (P28A) Checklists

SHORT FIELD, NO OBSTACLE

- Flaps UP
- Carburetor Heat COLD
- Brakes APPLY & HOLD
- Throttle FULL
- Brakes RELEASE
- Rotate 50 KIAS
- Climb ACCELERATE TO 79 KIAS
AFTER BREAKING GROUND

SOFT FIELD, OBSTACLE CLEARANCE

- Flaps 25° (second notch)
- Accelerate and LIFT OFF NOSE GEAR as soon as possible.
Lift off at lowest possible airspeed. Accelerate in ground
effect to 52 KIAS
- Climb 52 KIAS UNTIL
OBSTACLES ARE CLEAR
- Accelerate 79 KIAS
- Flaps RETRACT SLOWLY

SOFT FIELD, NO OBSTACLE

- Flaps 25° (second notch)
- Accelerate and LIFT OFF NOSE GEAR as soon as possible.
Lift off at lowest possible airspeed. Accelerate in ground
effect to 79 KIAS
- Climb 79 KIAS
- Flaps RETRACT SLOWLY

CLIMB

- Flaps UP
- Airspeed BEST ANGLE 63 KIAS
BEST RATE 79 KIAS
CRUISE CLIMB 87 KIAS
- Fuel Pump OFF at desired altitude
- Mixture above 3,000 ft. LEANED
- Engine Instruments CHECKED
- D. G. SET
- Landing Light OFF
- CHECKLIST COMPLETED

CRUISE

- Throttle 1900 - 2500 RPM
- Mixture LEANED
- Flight Instruments SET
- Fuel Pump VERIFIED OFF
- Lights AS REQUIRED
- CHECKLIST COMPLETED

DESCENT

- Mixture RICH
- Fuel FULLEST TANK
- Carburetor Heat AS REQUIRED
- Altimeter SET
- Instruments CHECKED
- Lights AS REQUIRED
- CHECKLIST COMPLETED

BEFORE LANDING

- Seat Backs ERECT
- Seatbelts SECURED
- Fuel Pump ON
- Fuel FULLEST TANK
- Mixture RICH
- Flaps AS REQUIRED
- CHECKLIST BELOW 103 KIAS
COMPLETED

L - C G - u - M - P - S - S

FINAL APPROACH

- Flaps AS REQUIRED
- Speed 63 KIAS FULL FLAPS

AFTER LANDING

- Carburetor Heat COLD
- Flaps RETRACTED
- Fuel Pump OFF
- Transponder STANDBY 1200
- Landing Light OFF
- Mixture LEANED FOR TAXI
- CHECKLIST COMPLETED

SECURING

- Avionics OFF
- Mixture IDLE CUT-OFF
- Ignition Switch OFF
- Master OFF
- Lights OFF
- HOBBS Time RECORDED
- Chocks IN PLACE
- Tie Downs SECURED
- Controls LOCKED
- Trash, Flight Gear REMOVED
- CHECKLIST COMPLETED

POST FLIGHT WALK-AROUND

*** CLOSE FLIGHT PLAN ***

PKD ATIS 128.4
PKD Ground 121.6
PKD Tower 120.9
PKD VOR 116.6
Practice Area 123.5
EMERGENCY 121.5

Best Angle Vx 63 KIAS
Best Rate Vy 79 KIAS
Best Glide 73 KIAS
Stall with flaps Vso 44 KIAS
Va @ 2325 G.W. 111 KIAS
Va @ 1531 G.W. 88 KIAS

LOST COMMS Squawk 7600
EMERGENCY Squawk 7700

**CONFESS, CLIMB, COMMUNICATE, COMPLY,
CONSERVE FUEL**