

Piper Warrior II (P28A) Checklists

BEFORE ENGINE START

1. Aircraft Acceptance CHECKED
2. Preflight COMPLETED
3. Passenger Briefing (S.A.F.E.) COMPLETED
4. Seats & Seatbelts ADJ & LOCKED
5. Radios & Electrical OFF
6. Avionics & Autopilot OFF
7. Fuel Selector - Chk all positions CHECK & SET LEFT
8. Brakes TEST & HOLD
9. Circuit Breakers CHECK IN
10. Transponder SET 1200 & STDBY
11. CHECKLIST COMPLETED

STARTING ENGINE

1. Crewmember Briefing COMPLETED
2. Beacon / NAV lights ON
3. Carburetor Heat OFF
4. Mixture FULL RICH
5. Throttle ¼ in. COLD ENGINE
½ in. HOT ENGINE
6. Prime UP TO 3 STROKES
7. Master Switch ON
8. Fuel Pump ON
9. Propeller Area CLEARED
10. Ignition START
11. Throttle 1000 RPM
12. Oil Pressure IN GREEN ARC
13. Fuel Pump OFF
14. Mixture LEAN @ 1200 RPM
15. Engine Instruments CHECKED
16. Flaps RETRACT
17. Radio & Avionics ON
18. Altimeter SET
19. Transponder TEST, STANDBY
20. CHECKLIST COMPLETE

BEFORE TAXI

1. Taxi Briefing COMPLETED
2. Doors & Windows CLOSED / LATCHED
3. Taxi Light AS REQUIRED
4. Brakes CHECKED
5. CHECKLIST COMPLETED

TAXI

1. Flight Instruments CHECKED
2. Engine Instruments CHECKED
3. 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

1. Brakes HOLD
2. Doors & Windows CLOSED / LATCHED
3. Flight Controls FREE & CORRECT
4. Elevator Trim SET FOR TAKEOFF
5. Fuel Pump ON
6. Fuel Selector TESTED RIGHT,
DESIRED TANK
7. Primer IN & LOCKED
8. Mixture FULL RICH

>> ENGINE RUN-UP <<

9. Throttle 2000 RPM
10. Magneto Check MAX DROP 175 RPM
DIFF DROP 50 RPM
11. Carburetor Heat RPM DROP
12. Suction 5.0" Hg ± .1
13. Flight Instruments SET
14. Engine Instruments & Ammeter CHECKED
15. Annunciator Panel TESTED
16. Fuel Pump OFF
17. Fuel Pressure CHECKED
18. Mixture above 3,000 ft. LEAN
19. Throttle 800 - 1000 RPM
20. Mixture LEAN @ 1200 RPM
21. Throttle Friction SET
22. Radios SET
23. Flaps SET
24. Departure Briefing COMPLETED
25. CHECKLIST COMPLETED

HOLD-SHORT

1. Flaps CHECKED
 2. Carburetor Heat OFF
 3. D. G. SET
- >> CLEARED FOR TAKEOFF <<
4. Fuel Pump ON
 5. Lights ON
 6. Transponder ALTITUDE
 7. Mixture RICH
 8. Time Off RECORDED
 9. CHECKLIST COMPLETED

NORMAL TAKEOFF

1. Throttle FULL
2. Rotate 55 KIAS
3. Climb 79 KIAS

SHORT FIELD, OBSTACLE CLEARANCE

1. Flaps 25° (second notch)
2. Carburetor Heat COLD
3. Brakes APPLY & HOLD
4. Throttle FULL
5. Brakes RELEASE
6. Rotate 52 KIAS
7. Climb 52 KIAS UNTIL CLEAR
OF OBSTACLES
8. Accelerate 79 KIAS
9. Flaps RETRACT SLOWLY

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SHORT FIELD, NO OBSTACLE

1. Flaps UP
2. Carburetor Heat COLD
3. Brakes APPLY & HOLD
4. Throttle FULL
5. Brakes RELEASE
6. Rotate 50 KIAS
7. Climb ACCELERATE TO 79 KIAS
AFTER BREAKING GROUND

SOFT FIELD, OBSTACLE CLEARANCE

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

SOFT FIELD, NO OBSTACLE

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

CLIMB

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

CRUISE

1. Throttle 1900 - 2500 RPM
2. Mixture LEANED
3. Flight Instruments SET
4. Fuel Pump VERIFIED OFF
5. Lights AS REQUIRED
6. CHECKLIST COMPLETED

DESCENT

1. Mixture RICH
2. Fuel FULLEST TANK
3. Carburetor Heat AS REQUIRED
4. Altimeter SET
5. Instruments CHECKED
6. Lights AS REQUIRED
7. CHECKLIST COMPLETED

BEFORE LANDING

1. Seat Backs ERECT
2. Seatbelts SECURED
3. Fuel Pump ON
4. Fuel FULLEST TANK
5. Mixture RICH
6. Flaps AS REQUIRED
7. CHECKLIST BELOW 103 KIAS
COMPLETED

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

FINAL APPROACH

1. Flaps AS REQUIRED
2. Speed 63 KIAS FULL FLAPS

AFTER LANDING

1. Carburetor Heat COLD
2. Flaps RETRACTED
3. Fuel Pump OFF
4. Transponder STANDBY 1200
5. Landing Light OFF
6. Mixture LEANED FOR TAXI
7. CHECKLIST COMPLETED

SECURING

1. Avionics OFF
2. Mixture IDLE CUT-OFF
3. Ignition Switch OFF
4. Master OFF
5. Lights OFF
6. HOBBS Time RECORDED
7. Chocks IN PLACE
8. Tie Downs SECURED
9. Controls LOCKED
10. Trash, Flight Gear REMOVED
11. 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**