

PA-28 CHECKLIST

N500KC

PREFLIGHT INSPECTION

- AROWS.....CHECKED
- Control Locks..... REMOVED
- MagnetosOFF
- MixtureIDLE CUTOFF
- Avionics/ElectricalOFF
- Master SwitchON
- Fuel GaugesCHECK
- Hobbs TimeCONFIRM
- Exterior LightsON AND CHECK
- Stall Warning Light.....ON AND CHECK
- Wing FlapsDOWN
- Lights.....OFF
- Master Switch.....OFF

RIGHT WING

- FlapCHECK
- Aileron.CHECK
- Wing TipCHECK
- Wing Leading EdgeCHECK
- Fuel Level.....CHECK
- Fuel Vent.....CHECK
- Fuel Sump.....CHECK
- Gear/Tire/BrakeCHECK
- TiedownREMOVE

NOSE

- WindshieldCHECK
- Engine OilCHECK
- Alternator Belt.....CHECK
- Cowl.....CHECK
- Exhaust Pipe.....CHECK
- Prop/Spinner.....CHECK
- Air Intake.....CHECK
- Cowl.....CHECK
- Nose Gear/Strut.....CHECK

LEFT WING

- Fuel Sump.....CHECK
- Gear/Tire/Brake.....CHECK
- Tiedown.....REMOVE
- Fuel Vent.....CHECK
- Pitot Tube.....CHECK
- Wing Leading Edge.....CHECK
- Fuel Level.....CHECK
- Wingtip.....CHECK
- Aileron.....CHECK
- Wing Flap.....CHECK
- Fuselage.....CHECK

EMPENNAGE

- Stabilator.....CHECK
- Anti-Servo Tab.....CHECK
- Vertical Stabilizer.....CHECK
- Rudder.....CHECK
- Tiedown.....CHECK
- Fuselage.....CHECK
- Antennas.....CHECK

PASSENGER BRIEFING

- No Step Areas
- Seat Belts/Harnesses.....ON
- ControlREMAIN CLEAR
- DoorBRIEF OPERATION
- Vent and HeaterLOCATIONS
- Intercom OperationCHECK
- CockpitSTERILE DURING RADIO CALLS
- TrafficCALL OUT
- No Smoking

BEFORE START

- Master Switch.....ON
- HobbsCONFIRM
- Preflight Inspection.....COMPLETE
- Passenger Briefing.....COMPLETE
- FlapsUP
- Seats/Belts/HarnessCHECK
- Fuel SelectorFULLEST
- Avionics Master.....OFF
- Circuit Breakers.....CHECK
- BrakesSET/HOLD

ENGINE START

- Carb Heat.....COLD
- Mixture.....RICH
- Throttle1/2 INCH
- Prime.....AS REQUIRED
- Master Switch.....ON
- Rotating Beacon.....ON
- Fuel Pump.....ON
- Prop Area.....CLEAR
- Ignition Switch.....ENGAGE
- Throttle.....1000RPM
- Oil PressureCHECK
- Fuel Pump.....OFF
- Fuel Pressure.....CHECK
- Mixture.....LEAN FOR TAXI

AFTER START/PRE-TAXI

- Avionics MasterON
- JPI Fuel InfoSET
- ATIS/AWOSRECORD
- Altimeter.....SET
- Heading Indicator.....CONFIRM
- Transponder.....SET
- Radios.....SET
- Taxi.....CALL FOR CLEARANCE
- Nav Lights.....ON (for ADS-B operations)

TAXI

- Brakes.....RELEASE AND TEST
- Attitude Indicator.....CONFIRM
- Heading Indicator.....CONFIRM
- Turn Coordinator.....CONFIRM

RUNUP

- Parking Brake.....SET
- Flight Instruments.....SET
- Flight Controls.....FREE AND CORRECT
- Fuel Selector.....FULLEST TANK
- Trim.....SET
- Mixture.....RICH/BEST POWER
- Throttle.....2000 RPM
 - MagnetosCHECK(max 125 drop)
 - Carb Heat.....CHECK FOR DROP
 - Engine Instruments.....CHECK
 - Throttle.....1000RPM
- Doors/Windows.....CLOSED/LATCHED
- Comm Radios.....SET
- Nav RadiosSET
- Autopilot ESP.....SET
- GPSSET
- Parking Brake.....RELEASE

PRE-DEPARTURE

- Departure Time.....NOTE
- Instruments.....CHECK
- Engine Gauges.....CHECK
- Transponder.....ON/CORRECT SQUAWK
- Landing Lights.....ON
- Strobe LightsON
- Nav Lights (for ADS-B Out).....ON
- Fuel Pump.....ON
- Flaps.....SET
- Radio.....CALL FOR CLEARANCE

CLIMB

- Flaps.....UP
- Airspeed.....75-85 KIAS
- Engine Gauges.....MONITOR
- Fuel Pump.....OFF
- Fuel Pressure.....CHECK

CRUISE

- Amps/Temp/Fuel.....GREEN
- Power.....SET PER AFM
- Mixture..50 RICH OF PK HOTTEST EGT
- Fuel Tanks..SWITCH EVERY 30-60MINS
- Fuel Pump.....ON SWITCHING TANKS
 - CHK FUEL PRESSURE WHEN OFF

DESCENT

- ATIS/AWOS.....NOTE
- Seats and Belts.....SECURE
- Fuel Selector.....FULLEST TANK
- Mixture.....ENRICH
- Amps/Temps/Fuel.....GREEN
- Radio.....CONTACT TOWER/TRAFFIC

BEFORE LANDING

- GUMPS
 - **GAS** - FULLEST TANK, FUEL PUMP ON
 - **UNDERCARRIAGE** - N/A
 - **MIXTURE** - RICH BELOW 3000'
 - **POWER** - 2200 RPM IN PATTERN
 - **SEAT BELTS AND LIGHTS** - ON
- Flaps.....AS NEEDED
- Carb Heat.....AS NEEDED
- Normal Approach.....65 KIAS
- Short Field Approach.....55 KIAS

AFTER LANDING

- Radio.....ANNOUNCE CLEAR (*nontower*)
- Flaps.....UP
- Fuel Pump.....OFF
- Carb Heat.....OFF
- Strobes.....OFF
- Mixture.....LEAN FOR TAXI
- Trim.....SET FOR TAKEOFF
- Exterior Lights.....AS REQUIRED
- RadioCALL FOR TAXI

SECURING AIRCRAFT

- Avionics Master.....OFF
- Lights.....OFF
- Mixture.....IDLE CUTOFF
- Magnetos.....OFF
- Hobbs/TachLOG (CHECK JPI)
- Master Switch.....OFF
- Control Lock.....INSTALL
- Hobbs and Tach.....RECORD
- Pitot Cover.....ATTACH
- Tiedowns.....SECURE

SPEEDS FOR NORMAL OPERATIONS

- Vr - Rotation Speed.....55 KIAS
- Vy - Best Rate of Climb Speed.....73 KIAS
- Vx - Best Angle of Climb Speed.....62 KIAS
- Vfe - Flap Extension Speed100 KIAS
- Vref - Final Approach Speed65 KIAS
- Vref Short Field55-60 KIAS
- Vg - Best Glide Speed.....70 KIAS

ENGINE FAIL AFTER TAKEOFF

- Airspeed70 KIAS
- Flaps.....UP
- Mixture.....RICH
- Carb HeatON
- Fuel Pump.....ON
- Fuel Selector.....SWITCH TANKS
- ATC.....MAYDAY
- If Not Restarted
 - Mixture.....IDLE CUTOFF
 - Fuel Selector.....OFF
 - Master.....OFF
 - Magnetos.....OFF
 - Land.....STRAIGHT AHEAD

ENGINE FAILURE IN FLIGHT

- Airspeed74 KIAS
- Mixture.....RICH
- Carb Heat.....ON
- Fuel Pump.....ON
- Fuel Selector.....SWITCH TANKS
- Magnetos.....CYCLE
- Primer.....LOCKED
- Transponder7700
- ATC.....MAYDAY

LANDING WITHOUT POWER

- Airspeed74 KIAS
- Transponder7700
- ATCMAYDAY
- Below 500' AGL
 - Master Switch.....OFF
 - Fuel Selector.....OFF
 - Mixture.....IDLE CUTOFF
 - Magnetos.....OFF
 - Cabin Door.....AJAR

ELECTRICAL FIRE

- Master Switch.....OFF
- Cabin VentOPEN
- Cabin Heat.....OFF
- Circuit Breakers.....CHECK
- All Electrical Switches.....OFF
- Land.....ASAP

ENGINE FIRE IN FLIGHT

- ThrottleCLOSED
- Mixture.....IDLE CUTOFF
- Master Switch.....OFF
- Fuel Selector.....OFF
- Magnetos.....OFF
- Emergency Descent.....120 KIAS
- LandASAP AND EVACUATE

ALTERNATOR LOW VOLTAGE

- Electrical Load.....REDUCE
- Alternator Circuit Breaker.....CHECK IN
- Alternator Switch.....OFF THEN ON
- If Still Low Voltage ...ALTERNATOR OFF
- Land.....ASAP