

Piper Archer II Checklist

Preflight

INTERIOR

Hobbs Meter CHECKED
 Control wheel release belts
 Master Switch ON
 Fuel quantity gauges check
 Master Switch OFF
 Ignition OFF
 Flaps DOWN

EXTERIOR

Exterior check for damage
 Control surfaces check for interference
 Hinges check for interference
 Wings free of ice, snow, frost
 Navigation lights check
 Fuel tank sumps drain and check
 Fuel tanks check supply
 Fuel vents open
 Main gear struts proper
 inflation (4.50 in.)
 Tires check
 Brake blocks check
 Windshield clean
 Propeller and spinner check
 Fuel and oil check for leaks
 Oil check level
 Dipstick properly seated
 Cowling secure
 Stall warning check
 Pitot head remove cover - holes clear
 Inspection covers secure
 Nose wheel tire check
 Nose gear strut proper
 inflation (3.25 in.)
 Air inlets clear
 Alternator belt check tension
 Fuel strainer drain
 Tow bar and control locks stow
 Baggage stowed properly - secure
 Baggage door close and secure
 Primary flight controls proper
 operation
 Required papers on board
 Seat belts and harness fastened adjust-
 check inertia reel

ENGINE START-UP

Brakes set
 Carburetor heat OFF
 Fuel selector desired tank
 Throttle ¼" open
 ½" when hot
 Master Switch ON
 Fin Beacon Left ON
 Electric fuel pump ON
 Mixture full RICH
 C-L-ea-R Start check oil pressure
 Throttle 1000 RPM
 Electric fuel pump OFF

GROUND CHECK

(NOTE: RUN-UP SHOULD BE DONE
 INTO THE WIND)

Controls free and correct
 Fuel Selector proper tank
 Electric Fuel Pump ON
 Fuel pressure check
 Annunciator panel press-to-test
 Flight Instruments check
 Throttle 2000 RPM
 Magnetos max. drop 175 RPM
 max. diff. 50 RPM
 Vacuum 4.9 to 5.1" HG
 Oil temperature check
 Oil pressure check
 Carburetor heat ON
 Electric Fuel Pump OFF
 Fuel Pressure CHECK
 Throttle IDLE
 Carburetor heat OFF check for incr.
 Annunciator panel press to test

PRE-TAKEOFF CHECK

Master switch verify ON
 Electric fuel pump ON
 Mixture set or RICH
 Flaps set
 Trim tab set for takeoff
 Door & Window closed and locked
 Transponder ON/ALT
 STROBES ON
 Normal rotation at 52 to 65 KIAS

CLIMB

Best rate (flaps up) 76 KIAS
 Best angle (flaps up) 64 KIAS
 En route 87 KIAS
 Electric Fuel Pump OFF at
 desired altitude

CRUISE

Normal max. power 75%
 Power set per power table
 Mixture adjust

NORMAL DESCENT

Throttle 2500 RPM
 Airspeed 126 KIAS
 Mixture RICH
 Carburetor heat on if required

POWER OFF DESCENT

Carburetor heat on if required
 Throttle CLOSED
 Airspeed As required
 Mixture As required
 Power Verify Power is available
 every 30 seconds

APPROACH AND LANDING

Fuel selector proper tank
 Seat backs erect
 Belts / harness fasten/adjust
 Electric Fuel Pump ON
 Mixture set
 Flaps set - 102 KIAS max
 Trim to 75 KIAS
 Final approach speed (flaps 40°) 66 KIAS

Clearing Runway

Flaps retract
Electric fuel pump OFF

Stopping Engine

Avionics Master OFF
Throttle full aft
Mixture idle cut-off
Magnetos OFF
Master OFF

Parking

Parking brake set
Hobbs time recorded
Window shades installed
Control wheel secured with belts
Tie downs secure
Pitot head cover installed

EMERGENCY PROCEDURES

ENGINE FAILURE DURING FLIGHT

ESTABLISH BEST GLIDE SPEED

PICK A SUITABLE LANDING SITE

IF TIME AND ALTITUDE PERMIT:

HIGH ALTITUDE

Fuel Selector . . . **TRY DIFFERENT TANK**
Mixture Control **FULL RICH**
Throttle . . . **TRY DIFFERENT SETTINGS**
Carb Heat **ON**
Ignition Switch . **LEFT - RIGHT - BOTH**
Primer **IN & LOCKED**
Radio **121.5 MAYDAY**
Transponder **7700**

LOW ALTITUDE

Fuel Selector **OFF**
Mixture Control **IDLE CUTOFF**
Throttle **CLOSED**
Ignition **OFF**
Seatbelts **SET & SECURE**
Door **AJAR**
Master Switch **OFF**

EMERGENCY PROCEDURES

ENGINE FIRE DURING START

CONTINUE CRANKING ENGINE

Mixture Control **IDLE CUTOFF**
Fuel Selector **OFF**
Throttle **CLOSED**
Exit Aircraft & Obtain Fire Extinguisher

ENGINE FIRE IN FLIGHT

Mixture Control **IDLE CUTOFF**
Fuel Selector **OFF**
Master Switch **OFF**
Cabin Heat **CLOSED**
Airspeed **INCREASE TO**
EXTINGUISH FIRE
Execute a Forced Landing

ELECTRICAL FIRE IN FLIGHT

Master Switch **OFF**
All Radio/Electrical Switches . . **OFF**
Vents & Cabin Air **CLOSED**
Extinguisher **ACTIVATE (If installed)**

If fire appears to be out:

Master Switch **ON**
Circuit Breakers **CHECK - DO NOT RESET**
Radios **ON (One at a time)**
Electrical Switches **ON (One at a time)**