

PIPER ARCHER II CHECKLIST

PH-EAH

Before Start

Preflight Inspection _____ COMPLETED
Mass & Balance _____ IN LIMITS
Flight Controls _____ FREE&CORRECT
Seats & Belts _____ SECURED
Brakes _____ SET
Electrical Equipment _____ OFF
Circuit Breakers _____ CHECK
Carburetor Heat _____ OFF
Fuel Selector _____ LEFT TANK

Engine Start

Master Switch _____ ON
Throttle _____ 1/4" OPEN
Electric Fuel Pump _____ ON (PUMP 1)
Mixture _____ FULL RICH
Strobes _____ ON
Engine Prime _____ 4 TIMES
Propeller Area _____ CLEAR
Starter _____ ENGAGE
Throttle _____ 1200 RPM
Oil Pressure _____ CHECK
Electric Fuel Pump _____ OFF
Fuel Pressure _____ CHECK
PFD _____ ON
Avionics Master _____ ON
Transponder _____ STB
Radios _____ Set-up and Check

Taxi

Brakes _____ CHECK
Gyro's _____ CHECK

Before Takeoff Run-up

Parking Brake _____ SET
Fuel Selector _____ RIGHT TANK (Min ¼)
Throttle _____ 2000 RPM
Magnetos _____ R-L_MAX -175 DROP
MAX 50 DIFFER
Carburetor Heat _____ CHECK
Ampmeter _____ CHECK
Vacuum _____ 5.0" HG
Oil Temperature _____ CHECK
Oil Pressure _____ CHECK
Fuel Pressure _____ CHECK
Fuel Gages _____ AS EXPECTED
Annunciator Panel _____ CHECK
Throttle _____ IDLE
Throttle _____ 1200 RPM
Electric Fuel Pump _____ ON (PUMP 2)
Mixture _____ FULL RICH
Primer _____ IN/LOCKED
Flight Instruments _____ CHECK
Engine Instruments _____ CHECK
Seat Backs _____ ERECT
Belts/Harnesses _____ FASTENED
Flaps _____ SET
Trim Tab _____ NEUTRAL
Controls _____ FREE/CORRECT
Doors _____ LATCHED
Radios _____ SET
Transponder _____ ALT
Strobes _____ ON
Landing Light _____ ON

Normal Takeoff

Flaps _____ 1 NOTCH
SHORT/SOFTFIELD T/O __ 2 NOTCHES

After Takeoff

Flaps _____ RETRACTED
Landing Light _____ OFF
Fuel Selector _____ LEFT TANK
Fuel Pump _____ OFF

Cruise/Enroute

Throttle _____ As Required
Mixture _____ ADJUST

Approach

Electric Fuel Pump _____ ON (PUMP 1)
Fuel Selector _____ RIGHT TANK (min ¼)
Landing Light _____ ON
Mixture _____ FULL RICH

Downwind

Brakes _____ PRESSURE
Carburator heat _____ ON
Fuel _____ CHECK
Flaps _____ 1 NOTCH
Belts/Harnesses _____ FASTENED

Final

Flaps _____ AS REQ'D
Carburator heat _____ OFF
Approach Speed _____ 70 KTS

After Landing

Flaps _____ RETRACT
Electric Fuel Pump _____ OFF
Landing Light _____ OFF
Transponder _____ STB
Carburetor heat _____ CHECK OFF



Engine Shut Down

Parking brake _____ SET
Avionics masterswitch _____ OFF
PFD _____ OFF
Electrical Equipment _____ OFF
Throttle _____ FULL AFT
Mixture _____ IDLE CUT-OFF
Magnetos _____ OFF
Master Switch _____ OFF
Nav/Strobes _____ OFF
Hobbs/Tach _____ RECORD
Cockpit _____ SECURE

V – Speeds

Vne – Never Exceed	154 KIAS
Vno – Max Cruise	125 KIAS
Va - Maneuver Speed	113 KIAS
Vfe – Max Flap Extend	102 KIAS
Vr – Rotate Speed	55 KIAS
Vx – Best Angle Climb	64 KIAS
Vy – Best Rate Climb	76 KIAS
Vg – Best Glide	73 KIAS

EMERGENCY PROCEDURES

Engine Failure

Airspeed (Vg) _____ 73 KIAS
Locate Suitable Landing Area
Fuel Selector _____ SWITCH TANKS
Electric Fuel Pump _____ ON
Mixture _____ FULL RICH
Throttle _____ ADJUST
Carburetor Heat _____ ON
Engine Gauges _____ CHECK
Primer _____ IN/LOCKED
Ignition Restart _____ Magnetos

*Establish Spiral Over Landing Area

*Radio – (121.50) MAYDAY

*Transponder – 7700

*Ignition – OFF

*Electrical Equipment – OFF

*Master Switch – OFF

*Fuel Selector - OFF

*Mixture – IDLE/CUT-OFF

*Seatbelts – Tighten

*Flaps – ON FINAL

*Door – OPEN

Engine Roughness

Carburetor Heat _____ ON
Mixture _____ FULL RICH
Electric Fuel Pump _____ ON
Fuel Selector _____ CHANGE TANKS
Engine Gauges _____ CHECK
Magnetos _____ L-R-BOTH

*Land as Soon as Possible

Engine Fire on Start

Starter _____ CRANK
Mixture _____ IDLE/CUT-OFF
Throttle _____ OPEN
Electric Fuel Pump _____ OFF
Fuel Selector _____ OFF

Abandon Aircraft

Engine Fire in Flight

Fuel Selector _____ OFF
Electric Fuel Pump _____ OFF
Throttle _____ FULL AFT
Mixture _____ IDLE/CUT-OFF
Heater/Defroster _____ OFF
Windows/Doors _____ OPEN
Vents _____ OPEN

*Emergency Descent Maneuver

*Airspeed 120 KIAS (blow-out)

*Power-Off Landing

Electrical Fire

Electrical Equipment _____ OFF
Master Switch _____ OFF
Heater/Defroster _____ OFF
Vents _____ OPEN

*Land as Soon as Practical

Alternator Failure

“ALT” Annunciator _____ ON
Electrical Load _____ REDUCE
ALT Switch _____ “OFF” then ON”

*Land as Soon as Practical



This checklist is provided for reference only and is not intended to be a substitute for the Pilot Operating Handbook.