

Piper Archer II Checklist & Useful Data

Cockpit

Weight/Balance IN LIMITS
 Parking Brake SET
 Control Lock REMOVE
 Ignition OFF
 Ignition Key ON DASH
 Mag Compass CHECK
 Hobbs RECORD
 Tach VERIFY
 Transponder OFF
 Pitot Heat OFF
 All Lights OFF
 Avionics OFF
 Master Switch ON
 Annunciator Panel TEST
 Fuel Quantity CHECK
 Exterior Lights CHECK
 Master Switch OFF
 Flaps 10 deg
 Aircraft Documents ON BOARD

Exterior Inspection

Right Flap and aileron CHECK
 Fuel Quantity CHECK
 Tie Down REMOVE
 Fuel Sump SAMPLE
 Fuel Vent CLEAR
 Wheel/Brake CHECK
 Chocks REMOVE
 Engine Oil Level MIN 6 qts
 Right Cowling SECURE
 Propeller/Spinner CHECK
 Engine Air Intake CLEAR
 Alternator Belt CHECK
 Landing Light CHECK
 Carb Air Filter CHECK
 Nose Gear CHECK
 Nose Chocks REMOVE
 Left Cowling SECURE
 Fuel Strainer (Nose) SAMPLE
 Air Inlet CHECK
 Fuel Quantity CHECK
 Tie Down REMOVE
 Fuel Sump SAMPLE
 Wheel/Brake CHECK
 Chocks REMOVE
 Pitot/Static Head CLEAR
 Fuel Vent CLEAR
 Stall Opening CLEAR
 Aileron CHECK

Flap CHECK
 Fuselage CHECK
 Antennas CHECK
 Elevator CHECK
 Elevator Trim CHECK
 Rudder CHECK
 Rudder Trim CHECK
 Tail Tie Down REMOVE

Before Engine Start

Flaps UP
 Seats ADJUSTED
 Seatbelts/Shoulder FASTENED
 Master Switch ON
 Anti Collision Lights ON
 Fuel Selector LOWEST
 Parking Brake SET
 Fuel Pump ON
 Mixture RICH
 Throttle 1/4" OPEN
 Prime AS REQUIRED
 Prop Area CLEAR!
 Starter ENGAGE
 Throttle 1000 RPM
 Oil Pressure CHECK
 Engine Instruments CHECK
 Fuel Pump OFF
 Primer LOCKED

Before Taxi

Annunciator TEST
 Avionics ON
 Comm Radios SET
 Rnav/Nav Mode SET
 Nav Radios SET
 Transponder STDBY 1200
 Circuit Breakers IN
 Fuel Selector FULLEST
 ATIS/Weather CHECK
 Taxi Clearance AS REQUIRED
 Parking Brake RELEASE
 Brakes CHECK

Before Takeoff

Mixture RICH
 Throttle 2000 RPM
 Engine Instruments IN LIMITS
 Suction CHECK
 Ammeter CHECK

Magnetos CHECK
 Carb Heat CHECK
 Throttle IDLE
 RPM/Oil Pressure IN LIMITS
 Throttle 1000 RPM
 Flight Controls FREE / CORRECT
 Flight Instruments CHECK / SET
 Comm Radios SET
 Flaps UP
 Trim SET
 Takeoff Briefing COMPLETE
 Door and Window SECURE
 Autopilot OFF
 Fuel Pump ON
 Strobes ON
 Landing Light ON
 Transponder ALT 1200
 Parking Brake RELEASE
 Takeoff Clearance AS REQUIRED

After Takeoff

Flaps UP
 Fuel Pump OFF

Cruise

Throttle CRUISE RPM
 Mixture LEAN
 Landing Light AS REQUIRED
 Fuel Quantity CHECK
 Fuel Selector SET
 Engine Instruments CHECK
 Flight Instruments CHECK

Approach

ATIS/Weather CHECK
 Comm Radios SET
 Nav Radios SET
 Flight Instruments CHECK / SET
 Engine Instruments CHECK
 Landing Light ON
 Fuel Pump ON
 Mixture RICH
 Fuel Selector FULLEST
 Approach Briefing COMPLETE
 Seats ADJUSTED
 Seat Belts FASTENED
 Autopilot OFF

After Landing

Transponder OFF
 Fuel Pump OFF
 Landing Light OFF
 Strobes OFF
 Flaps UP
 Taxi Clearance AS REQUIRED

Parking

Parking Brake SET
 Avionics OFF
 Pitot Heat OFF
 All Lights OFF
 Fan OFF
 Carb Heat OFF
 Throttle 1000 RPM
 Mixture CUT OFF
 Master Switch OFF
 Ignition OFF

Securing Aircraft

Flight Plan CLOSED
 Tie Downs SECURE
 Chocks SECURE
 Door and Window SECURE
 Keys SECURE
 Fuel FULL (DPA)
 Hobbs RECORD (DPA)
 Tach RECORD (DPA)
 Flight Controls SECURE (DPA)

USEFUL DATA

Max Take off wt. 2550 lb
 Max Landing wt. 2550lb
 Empty Weight 1549 lb
 Empty Moment 144,125.73 lb/in
 Useful Load 901 lb
 Max baggage comp 200 lb
 Max utility cat wt 2130
 OIL Aeroshell 100 SAE 40
 Ashless dispersant
 Max Dem X-Wind 17 knots
 V_{SO} 49 KIAS
 V_{S1} 55 KIAS
 V_R 60 KIAS
 Slow flight 66 KIAS
 V_X 64 KIAS (flaps up)
 V_Y 76 KIAS (flaps up)
 Best Glide 76 KIAS
 V_{FE} 102 KIAS

