

Piper Archer II
Normal Checklist (Rev. 1.1 24AUG21)

BEFORE STARTING ENGINE

Passenger Briefing COMPLETE
 Weight and Balance VERIFY IN LIMITS
 Seats ADJUSTED & LOCKED
 Seatbelts/Harnesses FASTENED
 Prayer AS DESIRED
 Circuit Breakers CHECK IN
 Avionics Master OFF
 Carb Heat OFF/COLD
 Fuel Selector FULLEST TANK
 Alternate. Static Source OFF
 Parking Brake ON
 Mixture RICH
 Throttle OPEN ½ inch
 BATT/ALT Switch ON
 Fuel Pump Switch ON
 Strobe Switch ON
 Prime AS REQ'D THEN LOCK

NOTE

For starting with external power, refer to POH (4-5)

ENGINE START – NORMAL, COLD

Propeller Area "CLEAR"
 Ignition Switch START
 Power ADJUSTED 800-1000 RPM
 Oil Pressure CHECK

NOTE

Starter manufacturers recommend that cranking periods be limited to 30 seconds with a 2-minute rest between cranking periods. Longer cranking periods will shorten the life of the starter.

ENGINE START – HOT

Throttle OPEN ½ inch
 Fuel Pump ON
 Mixture FULL RICH
 Propeller Area "CLEAR"
 Ignition Switch ENGAGE/BOTH

ENGINE START – FLOODED

Throttle FULL OPEN
 Fuel Pump OFF
 Mixture IDLE/CUTOFF
 Ignition Switch ENGAGE/BOTH

BEFORE TAXI

Avionics Master ON
 Transponder ALT / SET CODE
 Mixture LEAN OUT 1" FOR TAXI
 Landing Light ON
 Parking Brake OFF
 Brakes & Steering CHECK

WARM UP

As soon as the engine starts the oil pressure should be checked. If no pressure is indicated within 30 seconds, stop the engine and determine the trouble. (In cold weather, it will take a few seconds longer to get an oil pressure indication.) Warm up the engine at 800 – 1000 RPM.

GROUND CHECK

Parking Brake SET
 Fuel Selector FULLEST TANK
 Mixture ADJUST FOR D.A. & ELEVATION
 Throttle 2000 RPM
 Carburetor Heat CHECK, THEN OFF
 Ignition Switch CHECK
 MAX DROP 175/MAX DIFFERENCE 50 RPM
 Fuel Pump OFF
 Verify engine operation
 Fuel Pressure CHECK
 Oil Temp CHECK
 Oil Pressure CHECK
 Vacuum 4.9 - 5.1
 Ammeter POSITIVE
 Throttle IDLE
 THEN 1000 RPM

BEFORE TAKEOFF – FIRST TAKEOFF

Annunciator Panel PRESS TO TEST
 Master Switch VERIFY ON
 Flight Instruments CHECK/SET
 Flight Controls FREE AND CORRECT
 Fuel Selector FULLEST TANK
 Flaps 0° NORMAL/25° SHORT or SOFT
 Trim SET FOR TAKEOFF
 Carburetor Heat OFF
 Mixture ADJUST FOR D.A. & ELEVATION
 Fuel Pump ON
 Landing Light ON
 Primer IN & LOCKED
 Door/Window LATCHED/CLOSED
 Seats ADJUSTED & LOCKED
 Seatbelts FASTENED
 Empty Seats SECURED
 Takeoff Briefing COMPLETE

CLIMB

Initial Climb 76 KTS
 Fuel Pump OFF AT 1000 AGL
 Flaps UP
 Enroute Climb 87 KTS

CRUISE

Landing Light OFF
 Power SET 2300 RPM
 Mixture ADJUST
 Heading Indicator CHECK EVERY 15 MINUTES

DESCENT – (within 10 miles)

Radios & Avionics CHECK AND SET
 Landing Light ON
 Altimeter SET
 Heading Indicator SET
 Mixture ADJUST
 Fuel Selector FULLEST TANK
 Seats/Seatbacks ADJUSTED AND LOCKED
 Seatbelts/Harnesses FASTENED
 Approach Briefing COMPLETE

BEFORE LANDING

Fuel Selector FULLEST TANK
 Mixture FULL RICH
 Fuel Pump ON
 Landing Light ON

AFTER LANDING

Trim SET NEUTRAL
 Flaps RETRACT
 Mixture LEAN 1 INCH
 Fuel Pump OFF
 Strobe Lights AS REQ'D
 Transponder Code AS REQ'D

BEFORE TAKEOFF - SUBSEQUENT TAKEOFFS

Trims SET
 Flaps SET
 Carburetor Heat OFF
 Mixture SET
 Fuel Pump ON
 Landing Light ON
 Flight Instruments CHECK/SET

STOPPING ENGINE

Parking Brake AS REQ'D
 Landing Light OFF
 Fuel Pump OFF
 Avionics OFF
 Throttle 1000 RPM
 Ignition Switch GROUND CHECK
 Mixture IDLE CUT-OFF
 Ignition OFF / KEY REMOVED
 Strobe OFF
 Battery Master Switch OFF

LEAVING AIRCRAFT

Parking Brake AS REQ'D
 Flaps VERIFY RETRACT
 Control Wheel SECURED WITH BELTS
 Passenger and Baggage Door LOCKED
 Chocks INSTALLED
 Pitot Cover INSTALLED

QUICK REFERENCES**SPEEDS**

Power off Glide	.....	76 KIAS
V _x ...(flaps up)	.....	64 KIAS
V _x ...(flaps 25°)	.....	54 KIAS
V _y ...(flaps up)	.....	76 KIAS
V _{so}	.....	49 KIAS
V _s	.....	55 KIAS
V _{fe}	.....	102 KIAS
V _o (@2550 lbs)	.....	113 KIAS
V _o (@1634 lbs)	.....	89 KIAS
V _{no}	.....	125 KIAS
V _{ne}	.....	154 KIAS

WEIGHTS

	Normal	Utility
Maximum Ramp	..... 2558 lbs	..... 2138 lbs
Maximum Weight	..... 2550 lbs	..... 2130 lbs
Maximum Baggage	..... 200 lbs	..... 0 lbs

