

Educational Use Only; Always Defer to In-Plane Checklist(s)

PIPER ARCHER III CHECKLIST – PA28-181 N5337S – December 2017

Before Starting

1. Check Required Documents
2. Check Weight and Balance
3. Exterior Insp.....gas/oil, caps, oil level
4. Interior Insp.....tach/log squawks, belts, harness
5. Electrical Power.....all switches (incl. radio & AP master).....off
6. Circuit Breakers.....check.....in
7. Brakes.....tested and set
8. Fuel Selector.....fullest tank
9. Carb Heat.....off
10. Mixture.....rich
11. Master.....on (Bat Only)
12. Mags.....on
13. Fuel Pump.....on.....check pressure
14. Anti collision light.....on (fin only)
15. Prime.....if and as required
16. Throttle.....cracked
17. Prop Area.....clear
18. Engine.....start.....idle
19. Oil pressure.....confirm
20. Alternator switch.....on.....ck output

Pre Taxi

1. Idle.....1000 RPM or below
2. Aux. fuel pump.....off.....ck pressure
3. Radio master.....on
4. Lights.....as required.....anti collision fin lights on
5. Flaps.....up
6. Caution on gravel.....avoid prop damage

Pre Takeoff Runup (clean hard surface)

1. Brakes.....set.....nose wheel straight
2. Engine Check.....2000 RPM (if clean hard surface)
3. Mag.....left, right, ck both on
4. Carb Heat.....check.....off
5. Alternator.....positive output
6. Instruments.....engine.....green
7. Vacuum.....5" +/- 0.5"
8. Slow Idle.....ok with carb heat.....heat off
9. Idle 1000 RPM until take off
10. Controls.....free & correct
11. Seat Backs.....erect, belts, harnesses.....fastened
12. Trim.....operational and set for takeoff
13. Flaps.....operational and set as appropriate
14. Fuel Gauges.....above 1/4
15. Mixture.....rich
16. Aux. Fuel Pump.....on.....check pressure
17. Altimeter.....set.....note variance
18. Gyros (DG & AI).....set, operation.....verified
19. Transponder.....check code.....on altitude
20. Doors, Windows.....latched
21. Strobes.....wing & fin on
22. Position / Landing Lights.....on as required

EMERGENCY (Engine Out)

1. BEST GLIDE.....76 KIAS
2. CARB HEAT.....ON
3. MIXTURE.....RICH
4. AUX. FUEL PUMP.....ON
5. FUEL SELECTOR.....CHECK.....CHANGE?
6. CHECK MAGS.....USE BEST
7. EMERGENCY FREQ.....121.5

Takeoff / Climb

1. Flaps.....set
2. Full power
3. Rotate.....55 KIAS
4. Flaps.....up
5. Cruise Climb.....87 KIAS
6. Aux. Fuel Pump.....off.....500 + feet AGL
7. Landing light.....off @ 10 miles
Vx Best angle.....64 KIAS
Vy Best Rate.....76 KIAS

Cruise

1. Local.....2300 RPM
2. X-Country.....65% per power table
3. Lean.....any cruise alt.....25-50 deg rich of peak EGT
4. Fuel Tanks.....manage

Descent / Approach

1. Mixture.....set
2. Altimeter.....set
3. Lights.....landing light on (within 10Nm)
4. Seat Backs.....erect, belts & harnesses.....on
5. Fuel Gauges.....check quantity
6. Aux. Fuel Pump.....on
7. Fuel Selector.....fullest tank
8. Carb. Heat.....check
9. Approach Speed.....66 KIAS on final
10. Flaps.....down as appropriate

After Landing

1. Fuel pump.....off
2. Landing Light.....off
3. Flaps.....up
4. Radios.....set

Shutdown

1. Radio Master.....off
2. Transponder.....stby
3. AP Master.....off
4. Mixture.....lean
5. Mags.....off
6. Electrical.....off.....lights, master, alternator
7. Log.....tach time.....squawks
8. Flight plan.....closed

Parking

1. Brakes, tie downs, controls.....secured, Tanis heater
- FSS 122.2.....ARB ATIS 134.55.....ARB GND 121.6
ARB TWR 120.3.....DET APP. 118.95
SVM VOR 114.3.....DXO VOR 113.4
CRL VOR 115.7.....JXN VOR 109.6

Check Weight and Balance

December 2017