

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

## PIPER ARCHER III CHECKLIST – PA28-181 N419W – 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 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
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 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 ¼
15. Mixture.....rich
16. Aux. Fuel Pump.....on.....check pressure
17. Altimeter.....set.....note variance
18. Gyros (DG & AI).....set, operation.....verified
19. Auto Pilot.....check.....off
20. Transponder.....check code.....on altitude
21. Doors, Windows.....latched
22. 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. Mixture .....lean
4. Mags.....off
5. Electrical.....off.....lights, master, alternator
6. Log.....tach time.....squawks
7. 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

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