

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

PIPER SARATOGA CHECKLIST - PA32-301 N4339L – December 2017

Before Starting

1. Check Required Documents
2. Check Weight and Balance
3. Exterior Insp.....gas/oil, caps, oil level, A/c door closed
4. Interior Insp.....tach/log squawks, belts, harness
5. Brake.....on
6. Fuel Selector.....fullest tank
7. Prop.....Full Inc.
8. Air Cond.....off
9. Electrical Power.....off (incl. radio master)
10. Circuit Breakers.....in
11. Master.....on (Bat Only)
12. Beacon.....on
13. Throttle.....1/2 inch open
14. Hot start (skip 15 & 16)
15. Mixture.....rich
16. Fuel pump - on 3 seconds then off
17. Mixture lean
18. Prop Area.....clear
19. Engine.....start
20. Mixture.....full rich
21. Oil pressure.....confirm
22. Alternator switch.....on.....ck output

Pre Taxi

1. Idle.....1000 RPM max
2. Radio master.....on.....set as required
3. Auto Pilot.....tested.....off
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, both on
4. Prop.....cycle.....then full inc.
5. Vacuum.....check
6. Alt. Air.....check
7. Alternator.....ck output
8. Instruments.....engine.....green
9. Engine.....1000 RPM
10. Alt. Air.....closed
11. Controls.....free & correct
12. Belts, harnesses.....fastened
13. Seats.....erect
14. Trim.....operational and set for takeoff
15. Flaps.....operational and set
16. Fuel gauges.....above ¼
17. Fuel pump.....on
18. Fuel selector.....fullest tank
19. Mixture.....set
20. Prop.....high RPM
21. Air cond.....off
22. Annunciator panel / AC Door.....test
23. Auto Pilot.....check.....off
24. Altimeter.....set.....note variance
25. HSI.....slave on.....check to compass
26. Gyros (DG & AI).....set, operation verified
27. Doors, windows.....latched
28. Lights.....on as required.....bcn, strobes, nav, Indg.
29. Transponder.....check code.....on alt

EMERGENCY (Engine Out)

1. BEST GLIDE.....80 KIAS
2. FUEL SELECTOR.....SWITCH TANKS
3. FUEL PUMP.....ON
4. MIXTURE.....RICH
5. ALT AIR.....ON
6. CHECK MAGS.....USE BEST
7. EMERGENCY FREQ.....121.5

Takeoff / Climb

1. Full Power.....2700 RPM
2. Rotate.....75 KIAS
3. Vy.....90 KIAS / Vx.....76 KIAS
4. Flaps.....up
5. Cruise Climb.....100 KIAS
6. Lean.....as req.
7. Fuel pump.....off (500 feet +)
8. Lndg light.....off @ 10 mi.

Cruise

1. Prop / Throttle.....pwr. set table
2. Lean.....as req.
3. D.G. to compass.....check

Descent / Approach

1. Throttle.....MP as required.....reduce slowly
2. Mixture.....set
3. Altimeter.....set
4. Lights.....landing light on within 10Nm
5. Belts, harnesses.....on
6. Seat backs.....erect
7. Auto pilot.....off
8. Air Cond.....off
9. Fuel pump.....on
10. Fuel selector.....fullest tank (check quantity)
11. Flaps.....as req. (white arc)
12. Prop.....full inc. on final
13. Approach speed.....95 KIAS
14. Touch down.....80 KIAS (Min)

After Landing

1. Transponder.....off
2. Flaps.....up
3. Fuel Pump.....off
4. Landing Light.....off
5. Radios.....set

Shutdown

1. Air. Cond.....off
2. Prop.....full inc.
3. Pitot heat.....off
4. Xpndr.....off
5. Radio master.....off
6. Lndg. light.....off
7. Mixture.....lean
8. Mags.....off
9. Navs, Beacon, Strobes.....off
10. Master.....off
11. Log.....tach time.....squawks
12. Flight plan.....closed?

Parking

1. Set brakes, tie downs, yoke tied with seat belt, tannis heater, doors

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

Check Weight and Balance

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