

N9406J PA-28-180 CHECKLIST

UNOFFICIAL CHECKLIST-REFER TO AFM/POH -SEE DISCLAIMER

PRE-FLIGHT INTERIOR

1. **ARROW - Check**
2. Hobbs/Tach - Check
3. Magnetos – OFF
4. **Master- ON**
5. Pitot Heat/Lights – ON
6. **Fuel Gauges – Check**
7. Lights/Pitot Tube – Check
8. Pitot Heat/Lights – Off
9. **Master – OFF**

PRE-FLIGHT EXTERIOR

1. Chains/Chocks – Remove
2. **Rivets/Skins/Doors – Check**
3. **Ctrl Surfaces/Hinges – Secure**
4. PFD Static port – Check
5. Flaps/Connections – Secure
6. **Fuel Qty/Caps/Sumps - Check**
7. **Fuel Vents/Strainer - Check**
8. **Struts/Brakes/Tires – Check**
9. **Windshield - Clean**
10. **Propeller – Check**
11. Alternator Belt – Check
12. **Oil Level (5-8 qts) – Check**
13. **Tow Bar – Removed and Stowed**

START

1. Briefing - Completed
2. **Seatbelts – Fastened**
3. **Fuel Selector – Fullest**
4. Beacon – ON
5. Circuit Breakers/Fuses – Check
6. **Master – ON**
7. Fuel Pump – ON, chk PX, then OFF
8. **Magnetos – L only**
9. **Carb Heat – OFF**
10. **Mixture – Full Rich**
11. Prime – As Needed
12. **Brakes – Set**
13. Throttle – 1/8" - 1/4"
14. Area Clear/Start
15. **Oil PX – Check, if no indication w/in 30 secs shutdown**

POST-START

1. **Magnetos – BOTH**
2. Mixture – Lean for Taxi
3. Throttle – 1000 RPM
4. Avionics/PFD – ON
5. ATIS – Obtain

6. Instruments - Set
 - a. **Altimeter**
 - b. TXPDR/COMM/NAV
7. Taxi Clearance – Obtain

TAXI

1. Brakes - Check
2. Instruments – Check

RUN-UP

1. Flight Controls – Free & Correct
2. Mixture – Full Rich
3. Throttle – 2000 rpm
4. Magnetos - Check L&R drop $\leq 125\text{rpm}$
5. Vacuum – $5" \pm 0.1"$ @ 2000 rpm
6. Battery/Generator – Check
7. Oil PX/Temp/CHT – Check
8. Carb Heat – Check/ON
9. Throttle – Idle
10. Carb Heat – OFF

PRE-TAKEOFF

1. **Fuel Pump – On**
2. **Fuel Selector – Fullest**
3. **Mixture – Full Rich**
4. **Doors/Windows – Closed**
5. **Trim – Set**
6. Lights/TXPDR – Set
7. Clearance – Obtain

NORMAL TAKEOFF

1. **Controls – Set for winds**
2. Throttle - Max
3. **Engine gauges – Check Normal**
4. Vr – 55 kts
5. Vy – 74 kts

SOFT/SHORT FIELD TAKEOFF

- a. Flaps – 25°

CLIMB (above 1000' AGL)

1. Fuel Pump – OFF/Check PX
2. Lights – As Needed
3. **Enroute Climb – 87kts (100mph)**
4. Mixture – As Req'd

CRUISE

1. Throttle – Set
2. Mixture – Lean for altitude

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APPROACH/LANDING

1. ATIS – Obtain
2. Briefing – Complete
3. **Seatbelts – Fasten**
4. **Mixture – Full Rich**
5. **Fuel Pump – On**
6. **Fuel Selector – Fullest Tank**
7. **Flaps – Set**
8. Airspeed – 80/70/65kts
9. Clearance – Obtain

AFTER LANDING

1. Fuel Pump – Off
2. **Flaps – Retract**
3. Mixture – Lean for taxi
4. Taxi Clearance - Obtain

SHUTDOWN

1. Magnetos – Check (off then on)
2. Avionics/PFD - OFF
3. **Mixture – Idle Cutoff**
4. Throttle – Idle
5. **Magnetos – Off, key removed**
6. **Master - Off**

SINGLE ENGINE FAILURE ON T/O

Sufficient Runway remains

1. Land straight ahead
2. Troubleshoot if time permits

Insufficient Runway remains

1. AS – 74kts (Best Glide)
2. Locate the best avail ldg site off nose
3. Troubleshoot if time permits
4. MAYDAY radio call

SINGLE ENGINE FAILURE @ ALTITUDE

1. AS – 74kts (Best Glide)
2. Determine closest most suitable ldg site
3. Troubleshoot:
 - a. Mixture – Full Rich
 - b. Fuel Pump - On
 - c. Carb Heat - On
 - d. Fuel Selector – Switch
 - e. Magnetos – Both

4. Attempt to restart

If restart is unsuccessful:

5. Mixture – Full Lean
6. Fuel Pump – Off
7. Fuel Selector – Off
8. Magnetos – Off
9. Txpdr - 7700
10. MAYDAY radio call

DISCLAIMER-This is **NOT** an official checklist. **Pilot in Command is responsible for the safe operation of any aircraft in accordance with 14 CFR rules and regulations.** This checklist was developed using the official Piper Cherokee Owner's Handbook and is provided as a guide only. **Always refer to official 14 CFR approved Airplane Flight Manual ("AFM") before using or operating any aircraft.** This is not a full or complete list or guide and does not replace, substitute, supplement, or otherwise override the rules and regulations provided in **14 CFR**, the operating instructions of the **AFM/POH**, or any official instruction or checklist. The official AFM or operating handbook overrides any discrepancies between the above listed checklist and said operating instructions. Use this checklist at your own risk.

V _{NE}	148kts (171mph)	V _{SO}	50kts (57mph)
V _{NO}	121kts (140mph)	1.3 V _{SO}	65kts (74mph)
V _A	112kts (129mph)	1.4 V _{SO}	70kts (80mph)
V _{FE}	100kts (115mph)	V _x	65kts (74mph)
V _s	58kts (67mph)	V _y	74kts (85mph)