

N72PE C172R Checklist

PRE FLIGHT CABIN

1. Control Lock & Pitot Cover – **Remove**
2. POH & Supplement – **Accessible**
3. Aircraft Documents & W&B– **Checked**
4. Parking Brake – **Set**
5. Engine Master – **Off**
6. Avionics Master Switch – **Off**
7. Battery – **On**
8. Fuel Quantity and Fuel Temp – **Check and Ensure Annunciators Extinguished**
9. Avionics Master Switch – **On, Check Fans Audible**
10. Avionics Master Switch – **Off**
11. Static Pressure Alternate Source – **Off**
12. Annunciator Panel Test Switch – **Place in “TST” Position, assure all annunciators illuminate, Release**
13. Fuel Selector Valve – **Both**
14. Fuel Shutoff Valve – **On (full in)**
15. Flaps – **Extend**
16. Pitot Heat – **On, check warm, Off**
17. Battery – **Off**

PRE FLIGHT EMPENNAGE

1. Baggage Door – **Secured**
2. Tie Down – **Remove**
3. Surfaces & Controls – **Check**
4. Antennas – **Check**

PRE FLIGHT RIGHT WING

1. Surfaces & Controls – **Check**
2. Tie Down / Chocks – **Remove**
3. Strut / Tire / Brake – **Check**
4. Fuel Sumps – **Drain (5)**
5. Fuel Quantity – **Check**
6. Fuel Cap – **Secure**

PRE FLIGHT NOSE

1. Fuel Sump – **Drain (1)**
2. Strut and Tire – **Check**
3. Landing Light – **Check**
4. Engine Oil – **Check Level, Cap Secure**
5. Engine Cooling Air Inlets – **Clear**
6. Propeller / Spinner – **Check**
7. Air Filter – **Check**
8. Static Source – **Check**
9. Gearbox Oil Level - **Check**

PRE FLIGHT LEFT WING

1. Fuel Vent – **Check**
2. Stall Horn – **Check**
3. Surfaces & Controls – **Check**
4. Tie Down / Chocks – **Remove**

5. Strut / Tire / Brake – **Check**
6. Fuel Sumps – **Drain (5)**
7. Fuel Quantity – **Check**
8. Fuel Cap – **Secure**

BEFORE STARTING ENGINE

1. Preflight Inspection – **Complete**
2. Passenger/Pilot Briefing – **Complete**
3. Seats & Seatbelts – **Adjust & Lock**
4. Circuit Breakers – **In**
5. Electrical Equipment – **Off**
6. Alternate Air Door – **Closed**
7. Switch Alternator – **Check On**
8. Battery – **On**
9. Thrust Lever – **Check Freedom of Movement**
10. Load Display – **Check 0% at RPM 0**

STARTING ENGINE

1. Brakes – **On**
2. Electric Fuel Pump – **On**
3. Thrust Lever - **Idle**
4. Propeller – **Visually Clear**
5. Engine Master – **On, wait until Glow Control Lamp extinguishes**
6. Starter – **On, Release when engine starts, 600 RPM**
7. Oil Pressure - **Check**
8. CED Test Knob – **Press**
9. Ammeter – **Check positive current**
10. Voltmeter – **Check green range**
11. FADEC Backup Battery Test
 - a) Alternator – **Off**
 - b) Battery – **Off**
 - c) Battery – **On, perform 10 sec engine run. Voltmeter must remain in green**
 - d) Alternator – **On**
12. Navigation Lights and Beacon – **On**
13. Avionics Master Switch – **On**
14. Radios – **On**
15. Ammeter – **Positive charge, alternator warning light off**
16. Voltmeter – **Check green range**
17. Electric Fuel Pump – **Off**

PRE TAXI

1. Engine warm up 2 minutes @ 890 RPM
2. Increase RPM to 1,400 until Oil Temp 50C, Coolant Temp 60C
3. Flaps – **Retract**
4. Intercom – **Check**
5. AWOS – **Obtained**
6. Altimeters (PFD/ STBY) – **Set**
7. Flight Instruments – **Set & Check**
8. Taxi Light – **As Required**

BEFORE TAKEOFF

1. Brakes – **On**
2. Flight Controls – **Free & Correct**
3. Seats and Seatbelts – **Check Secure**
4. Windows and Doors – **Closed, Locked**
5. Trim – **Set for Takeoff**
6. Fuel Selector Valve – **Both**
7. STBY Instruments – **Check**
8. G500 Alt Select – **Set**
9. COM / NAV – **Set**
10. FMS / GPS – **Set and Check**
11. Transponder – **Set**
12. FADEC, Propeller Check:
 - a) Thrust Lever – **Idle (both FADEC lamps should be off)**
 - b) FADEC Test Button – **Press and Hold**
 - c) Both FADEC Lamps – **On, then Off**
 - d) FADEC Lamp B – **On, then Off**
 - e) FADEC Lamp A – **On, then Off**
 - f) FADEC Test Button – **Release**
13. Thrust Lever – **Full Forward, load display min 94%, RPM 2240-2300**
14. Thrust Lever – **Idle**
15. Suction gauge – **Check**
16. Engine Instruments, Ammeter – **Check**
17. Annunciator Panel – **Check All Off**
18. Electrical Fuel Pump – **On**
19. Departure Briefing – **Complete**
20. Flaps – **Set (As Req.)**
21. Parking Brake – **Check Off**
22. Strobe and Landing Lights – **As Desired**
23. Runway Heading – **Check**
24. Takeoff Time – **Note**

AFTER TAKEOFF

1. Electric Fuel Pump - **Off**
2. Flaps – **Retract**
3. Engine Instruments – **Check**
4. Taxi / Landing Light – **Off**

CRUISE

1. Power – **Set (65% or less recommended)**
2. Engine Instruments – **Check**
3. Compliance with Oil Pressure, Oil Temp, Coolant Temp, Gearbox Temp limits – **Monitor**
4. FADEC Warning Lamps - **Monitor**

DESCENT / APPROACH

1. ATIS / AWOS – **Obtained**
2. Altimeters (PFD/ STBY) – **Set**
3. Pre Landing Brief – **Complete**
4. Com / Nav – **Tune / Identify**
5. Fuel Selector Valve – **Both**
6. Power – **As Desired**

7. Landing / Taxi Light – **On**
8. Seatbelts – **Check Secure**

BEFORE LANDING

1. Flaps – **As Required**
2. Electrical Fuel Pump - **On**

AFTER LANDING

1. Flaps – **Retract**
2. Electric Fuel Pump – **Off**
3. Strobes / Landing Light / Pitot Heat – **Off**
4. Taxi Light – **As Req.**
5. Transponder – **Verify GRND; VFR Set**

SECURING

1. Parking Brake – **Set**
2. Thrust Lever – **Idle**
3. Avionics Power Switch, Electrical Equipment – **Off**
4. Engine Master – **Off**
5. Switch Battery – **Off**
6. Fuel Selector – **L or R**
7. Control Lock / Chocks/ Pitot Cover
8. Flight Plan – **CLOSED!**

VR – 55 VX – 62 VY - 74
VSO – 40 VS – 48
Best Glide – 68
Va (1900 lbs) – 90 / (2450) – 105
Vno – 129 Vne – 163
Vfe (10°) – 110 (20-30°) – 85
KCVO CTAF – 123.075
KCVO AWOS – 135.775
CVO VOR – 115.4
Rwy 17/35, 09/27
Cascade Approach – 119.6 (a), 127.5 (g)
Seattle Center – 125.8
Useful Load – 631 lbs
Jet A – 6.8 lbs / gallon