

N66083 C172SP Checklist

PRE FLIGHT CABIN

1. Control Lock & Pitot Cover – **Remove**
2. POH & G1000 Ref. Guide – **Accessible**
3. Aircraft Documents & W&B– **Checked**
4. Fire Extinguisher – **Green**
5. MAGS – **Off / Key Out**
6. Avionics Bus 1 & 2 – **Off**
7. Master Switch – **On**
8. Flaps – **Down**
9. PFD – **Verify On**
10. Fuel Quantity – **Check**
11. Annunciators – **Verify On**
12. Avionics:
 - A. Bus 1 – **On (Check Fan) Off**
 - B. Bus 2 – **On (Check Fan) Off**
13. Pitot Heat – **Check (As Req.)**
14. Ext Lights – **Check (As Req.)**
15. Master Switch – **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 Sumps – **Drain (3)**
2. Strut and Tire – **Check**
3. Exhaust Stack – **Check**
4. Engine Oil – **Check (Min 6 qrts.)**
5. Alternator Belt – **Check**
6. Propeller / Spinner – **Check**
7. Air Filter – **Check**
8. Static Source – **Check**

PRE FLIGHT LEFT WING

1. Pitot Tube – **Check**
2. Fuel Vent – **Check**
3. Stall Horn – **Check**
4. Surfaces & Controls – **Check**
5. Tie Down / Chocks – **Remove**
6. Strut / Tire / Brake – **Check**
7. Fuel Sumps – **Drain (5)**
8. Fuel Quantity – **Check**
9. Fuel Cap – **Secure**

BEFORE STARTING ENGINE

1. Preflight Inspection – **Complete**
2. Passenger/Pilot Briefing – **Complete**
3. Seats & Seatbelts – **Adjust & Lock**
4. Fuel Selector Valve – **Both**
5. Fuel Shut Off – **In**
6. Alternate Static Source – **Off**
7. Circuit Breakers – **In**
8. Electrical Equipment – **Off**
9. Avionics Bus 1 & 2 – **Off**

STARTING ENGINE

1. Brakes – **On**
2. Rotating Beacon – **On**
3. Propeller – **Visually Clear**
4. STBY Batt. – **Test 10sec. / Arm**
5. PFD – **Verify On**
6. Engine Indicating System:
 - A. Bus E Volts - ≥ 24
 - B. M Bus Volts - ≤ 1.5
 - C. BATT S Amps – **Discharge (-)**
 - D. STBY Batt. Annun.– **Verify On**
7. Master Switch – **On**
8. Mixture – **Idle Cut Off**
9. Throttle – **Open 1/8th inch.**
10. Oil Temp – **Check Hot or Cold**
11. Aux Pump – **On**
12. Mixture:
 - A. **Advance**
 - B. **Verify Fuel Flow**
 - C. **Idle Cut Off**
13. Aux Pump – **Off**
14. **If HOT – Omit Steps 11 thru 13 Above**
15. Propeller – **Verbally CLEAR!**
-- **Visually Clear**
16. MAGS – **Start**
17. Mixture – **Smoothly to Rich**
18. Throttle – **1000 RPM**
19. Oil Pressure – **Check**
20. AMPS (M & S BATT) – **POS. Charge (+)**
21. Low Volt Annunciator – **Off**

PRE TAXI

1. Avionics Bus 1 & 2 – **On**
2. NAV Lights – **On (As Req.)**
3. Flaps – **Retract**
4. Intercom – **Check**
5. AWOS – **Obtained**
6. Altimeters (PFD/ STBY) – **Set**
7. Flight Instruments – **Set & Check**
8. Transponder – **Set & Check**
9. Taxi Light – **As Required**
10. **MFD – Soft Key**
11. **Fuel Reset**

TAXI

1. Brakes – **Test**
2. Flight Controls – **Wind Correction Set**
3. Instrument Check – **IFR / VFR Check (No Red X's)**

ENGINE RUNUP

1. Brakes – **On**
2. Flight Controls – **Free & Correct**
3. MET System Test – **Up / Down**
4. Trim – **Set for Takeoff**
5. STBY Instruments – **Check**
6. G1000 Alt Sel – **Set**
7. Mixture – **Rich**
8. Throttle – **1800 RPM**
 - A. MAGS (R&L ; 150/50)
 - B. VAC Ind. – **Green**
 - C. Engine Ind. – **Check**
 - D. AMPS & VOLTS – **Check**
 - E. Annunciators – **Check**
11. Idle RPM – **Check (575-675 RPM)**
12. Throttle – **1000RPM**
13. Throttle Friction – **Set**
14. COM / NAV – **Set**
15. FMS / GPS – **Set and Check**
16. GPS 2 – **Check Status**
17. CDI Soft Key – **Select NAV Source**
18. Departure Briefing – **Complete**
19. Flaps – **Set (As Req.)**
20. Parking Brake – **Check Off**

BEFORE TAKEOFF

1. Windows and Doors – **Closed & Latched**
 2. Fuel Selector Valve – **Both**
 3. Engine Instruments – **Check**
 4. Transponder – **Check**
 5. Strobe and Taxi Lights – **On**
-
6. Runway Heading – **Check**
 7. Takeoff Time – **Note**

AFTER TAKEOFF

1. Throttle – **Full**
2. Flaps – **Retract**
3. Engine Instruments – **Check**
4. Taxi Light – **Off**
5. Flight Plan – **Open (If Req.)**

CRUISE

1. Power – **Set**
2. Mixture – **Lean (Above 3000°)**
3. Engine Instruments – **Check**
4. FMS / GPS – **Review and Monitor**

DESCENT / APPROACH

1. ATIS / AWOS – **Obtained**
2. Altimeters (PFD/ STBY) – **Set**
3. Pre Landing Brief – **Complete**
4. Com / Nav – **Tune / Identify**
5. Autopilot – **As Required**
6. Fuel Selector Valve – **Both**
7. Mixture – **As Req.**
8. Landing / Taxi Light – **On**
9. Seatbelts – **Lock**

BEFORE LANDING

1. Flaps – **As Required**
2. Gear – **Down and Welded**
3. Mixture – **Rich**

AFTER LANDING

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

SECURING

1. Avionics Bus 1 & 2 – **Off**
2. Electrical Switches – **Off (BCN ON)**
3. Mixture – **Idle Cut Off**
4. MAGS – **Off / Key Out**
5. Hobbs / Tach / MX Squawks – **Record**
6. Master Switch – **Off**
7. STBY Batt. – **Disarm**
8. Fuel Selector – **L or R**
9. Control Lock / Chocks/ Pitot Cover
10. Flight Plan – **CLOSED!**

V _R – 55	V _X – 62	V _Y – 74
V _{SO} – 40	V _S – 48	
Best Glide – 68		
V _a (1900 lbs) – 90 / (2550) – 105		
V _{no} – 129	V _{ne} – 163	
V _{fe} (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		