**C182Q N7569S**

**checklist** (10/24)

**PRE FLIGHT CABIN**

1. Tach - **Record**
2. Control Lock & Pitot Cover – **Remove**
3. AROW Documents – **Check**
4. Fire Extinguisher – **Green**
5. Fuel Selector – **Both (L/R During Fueling)**
6. MAGS – **Off / Key Out**
7. Radio Master – **Off**
8. Master Switch – **On**
9. Flaps – **Down**
10. Fuel Quantity – **Check**
11. Radio Master – **ON/Check Fan/OFF**
	1. Ext. Lights/Stall Horn/Pitot Heat – **Check**
	2. Ext Lights/Pitot Heat – **Off**
	3. Master Switch – **Off**

**PRE FLIGHT EMPENNAGE**

1. Baggage Door – **Secured and Locked**
2. Autopilot Static Source (2) – **Clear**
3. Tie Down – **Remove**
4. Surfaces & Controls – **Check**
5. Antennas – **Check**

**PRE FLIGHT RIGHT WING**

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

**PRE FLIGHT NOSE**

1. Static Source – **Check**
2. Strut and Tire – **Check**
3. Propeller / Spinner – **Check**
4. Cowling/Intakes – **Check**
5. Air Filter – **Check**
6. Oil Filler Cap – **Secure**
7. Engine Oil – **Check (Min 9 quarts)**
8. Fuel Strainer – **Drain**
9. 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 Sump – **Drain**
8. Fuel Quantity – **Check Visually**
9. Fuel Cap – **Secure**

**BEFORE STARTING ENGINE**

1. Preflight Inspection – **Complete**
2. Passenger/Pilot Briefing – **Complete**
3. Seats & Seatbelts – **Adjust & Lock**
4. Cowl Flaps – **Open**
5. Fuel Selector Valve – **Both**
6. Alternate Static Source – **Check then Off**
7. Circuit Breakers – **In (3 locations)**
8. Electrical Equipment – **Off**
9. Radio Master – **Off**
10. Autopilot/Trim - **Off**

**STARTING ENGINE**

1. Brakes – **Set**
2. Rotating Beacon – **On**
3. Propeller – **Visually Clear**
4. Master Switch – **On**
5. Mixture – **Full Rich**
6. Propeller **– High RPM**
7. Throttle – **Open ½ inch**
8. Oil Temp – **Check Cold or Hot**
9. Prime – **Strokes (Cold 4-6 / HOT 1-2)**
10. Primer – **Locked**
11. Propeller – **Verbally “CLEAR!”**
12. Start Time– **Recorded**
	1. Magnetos – **Start then Both**
	2. Throttle – **1000 RPM**
	3. Oil Pressure – **Check**
	4. Ammeter – **POS. Charge (+)**
	5. Mixture – **Lean 1 inch**

**PRE TAXI**

1. Fuel Totalizer – **Set (As Req.)**
2. Radio Master– **On**
3. NAV Lights – **On (As Req.)**
4. Flaps – **Retract**
5. ATIS / AWOS – **Obtained**
6. Altimeter – **Set G5 and Analog**
7. Flight Instruments – **Set and Check**
8. Garmin GTN650
	1. Database – **Check**
	2. G5 HSI – **Check**
9. Garmin 696
	1. Database – **Check**
	2. Traffic – **Enabled**
10. Taxi Light – **As Required**
11. Clearance – **Obtained**
12. Transponder – **Code Set**
13. Autopilot/Trim – **On**

**TAXI**

1. Brakes – **Test (L/R/BOTH)**
2. Flight Controls – **Wind Correction Set**
3. Instrument Check – **IFR / VFR Check**
4. Mixture – **Rich (As Required)**

**ENGINE RUNUP**

1. Brakes – **Set**
2. Mixture – **Rich**
3. Flight Controls – **Free & Correct**
4. Elevator Electric Trim – **Test**
5. Elevator/ Rudder Trim – **Set for Takeoff**
6. Throttle – **1700 RPM**
7. Magnetos – **(R & L** – **150/50)**
8. Propeller – **Cycle RPM (3-5 Times)**
9. Engine Ind. – **Check**
10. Ammeter – **Check POS Charge**
11. Carb Heat – **On and Check**
12. Idle RPM – **Check (575-675 RPM)**
13. Carb Heat – **Off**
14. Throttle – **1000 RPM**
15. Throttle Friction – **Set**
16. COM / NAV – **Set**
17. Flaps – **Set (0°-20°)**
18. Parking Brake – **Check** **Off**

**BEFORE TAKEOFF**

1. Windows and Doors – **Closed & Latched**
2. Fuel Selector Valve – **Verify Both**
3. Engine Instruments – **Check**
4. Carb Heat – **Verify Off**
	1. Transponder – **Verify Code Set**
	2. Strobes / Landing Light – **On**
	3. Cowl Flaps – **Verify Open**
	4. Departure Briefing – **Complete**
	5. Runway Heading – **H.I. / Compass Check**
	6. Takeoff Time – **Recorded**

**CRUISE CLIMB**

1. Airspeed – **85-95 KIAS**
2. Power – **23” & 2400 RPM**
3. Mixture – **Rich (Lean above 5,000 ft)**
4. Flaps – **Retract**
5. Engine Instruments – **Check**
6. Landing Light – **Off**

 **CRUISE**

* 1. Power – **15”-23” 2000-2400 RPM**
	2. Mixture – **Lean (100° Rich of EGT Peak)**
	3. Engine Instruments – **Check**
	4. Cowl Flaps – **Closed (As Req.)**

**DESCENT / APPROACH**

1. ATIS / AWOS – **Obtained**
2. Altimeter – **Set G5 and Analog**
3. Pre-Landing Brief – **Complete**
4. Com / Nav – **Set**
5. Carb Heat – **As Required**
6. Mixture – **Full Rich**
7. Landing Light – **On**

**BEFORE LANDING**

1. Cowl Flaps – **Open**
2. Flaps – **As Required**
3. Propeller – **High RPM**
4. Mixture – **Rich**
5. Carb Heat – **On**
6. Autopilot – **Disengage**
7. Trim – **As Required**

**AFTER LANDING**

1. Flaps – **Retract**
2. Carb Heat – **Off**
3. Pitot Heat – **Off**
4. Landing/Taxi Light – **As Req.**
5. Strobe Lights – **Off**
6. Mixture – **Lean 1”**

**SECURING**

1. Throttle – **1000 RPM**
2. Autopilot/Trim – **Off**
3. Radio Master – **Off**
4. Electrical Switches – **Off (Beacon ON)**
5. Mixture – **Idle Cutoff**
6. MAGS – **Off and Key Removed**
7. Master Switch – **Off**
8. Fuel Selector – **Left or Right**
9. Tach / MX Squawks – **Record**
10. Oil Change – **Notify if Due Soon**
11. Control Lock / Pitot Cover – **Install**
12. Chocks / Tie Downs – **As Req.**
13. Flight Plan – **CLOSED!**

**KCMI Frequencies**

ATIS – **124.85** Clearance – **128.75**

Ground – **121.8** Tower – **120.4**

Approach/Departure – **121.35** (North/East)

Approach/Departure – **132.85** (South/West)

CMI VOR – **115.75   **

|  |
| --- |
| Crosswind Max Demonstrated – 15 |
| Vr – 50-60 |
| Vx – 54 |
| Vy – 78 |
| Vso – 45 |
| Vs – 48 |
| Best Glide – 70 |
| Va – 1950 / 2450 / 2950 lbs – 89 / 100 / 111 |
| Vno – 143 |
| Vne – 179 |
| Vfe (10°) -140 / (20° - Full) 95 |