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| **Cessna 182Q N121M v1.3 5/20/2021** | |
| **TAKEOFF**  Normal: Rotate 50 Kts **Vy 78 Kts**  (72 kts @ 10,000’)  Short/Soft: Flaps 20° **Vx 50 Kts** (58 kts @ 10,000’) | |
| **CRUISE CLIMB 85 – 95 Kts**  **BEST GLIDE 70 Kts (flaps up)** | |
| **>1000’ AGL** Oil Pres/Temp • Ammeter • Vacuum  • MP **15”- 23”** • Prop **2100 -2400 RPM** | |
| **CRUISE**  • Max 75% power • Mixture LEAN to **peak EGT**, then ENRICH 50˚F rich of peak for Best power.  • Cowl Flaps **As Required**  • Routinely Check Gauges:• Oil Press/Temp • Ammeter  • Landing Light **On for Safety** | |
| **LANDING** • Landing Light **ON** • Auto-Pilot **OFF** • Elec. Trim **OFF**  • Carb Heat **ON** • Prop **FWD**  • Cowl Flaps **CLOSED** • Fuel **BOTH** • Mixture **ENRICH**  • Approach at **60-70 Kts** | |
| **GO AROUND**  • Full Throttle • Pitch up • Carb Heat **OFF** • Flaps retract to **20°**  • Climbing & above ***55 kts***, retract flaps • Cowl Flaps **OPEN** | |
| **AFTER LANDING**  Carb Heat **OFF** • Transponder **SBY** • Flaps **UP**  Cowl Flaps **OPEN** • Mixture **LEAN** for taxi | |
| **SHUTDOWN**  Avionics/Lights **OFF** • Mixture **OFF** • Mags **OFF**• Master **OFF**  Flight Plan **Closed** • Control Lock **Installed** Pitot Tube Cover - **Installed** | |
| **POSTFLIGHT**  • Hobbs & Tach Times **RECORDED** • Windows & Leading Edges **CLEANED**  Seat Belts **SECURE** • Interior **CLEANED** • Airplane **LOCKED**  Wheel Chocks **SET**• Tow Bar **REMOVED**  Flight Log **ENTERED** • Hangar **SECURE** • Lights **OFF** | |
| *Kts*  **Vso 38**  **Vs1 53**  **Vfe 95**  **Va 2950 111**  **Va 2500 102**  **Va 2050 93**  **Vno 143**  **Vne 179** | Recommended Pattern Speeds/ Approx Pwr Settings  Downwind: 85 - 90 Kts / 16“ MP  Abeam: 75 - 80 Kts / 13“ MP  Base: 70 - 75 Kts / 13“ MP  Final: 55 - 65 Kts / 13“ MP  (Full Flaps – No Flaps) |

Emergency: Com 121.5 / Squawk 7700

Loss Com. Squawk 7600

KMAN ASOS:118.325 KEUL ASOS :135.07 KBOI ATIS:123.9

Big Sky App/Dep: 119.6 unless directed to 126.9 FSS BOI: 122.6

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| **Cessna 182Q N121M v1.3 5/20/2021** | |
| PREFLIGHT Pitot Tube Cover - REMOVED  Gust Lock - REMOVED  Hobbs – Match Flight Log  Avionics Master–OFF  Master – ON  Tach – Check < Oil Change Time  Flaps – Ck for Smooth Operation and Aileron drop with flaps.  Fuel Gauges – CHECK  Exterior Lights – (Beacon on Avionics Master) CHECK  Interior Lights – CHECK  Stall Horn - CHECK  Master – OFF  Baggage Door – LOCKED  Tires/Brakes – Press/Leaks  (Main 25 psi - Nose 25 psi)  Fuel Quantity & Caps secure  Careful with VG’s when Fueling.  Not Airworthy if more than 5 VG’s are missing – Ground Plane  Oil level: 7 MIN / 8 MAX Qts.  Oil Filler Cap – Secure  Nose strut, Cowl Flaps,  Prop & Spinner - Inspect  Static Port(s)-Clear  Check Fuel level/Caps/Drain  Engine Fuel Strainer-Drain  Final Walk/Look Around/Tow Bar START Seats–LOCKED (Pilot Seat Lock)  Seat Belts – FASTENED  Passenger Briefing  Cowl Flaps – OPEN  Elevator / Rudder Trim Set  Circuit Breakers – IN  Avionics – OFF  Mixture – RICH  Carb Heat – COLD  Prime – As Required (max 3x)  Throttle – OPEN ~ ½ Inch  Yell - Clear Prop | Brakes – Set/Held  Master – ON  Beacon – ON Engage Starter (max 20 sec crank if no start)AFTER START Throttle – 1000 RPM  Oil Pressure– in green < 30 seconds  Flaps – UP  Mixture – LEAN FOR TAXI  Avionics Master – ON  Taxi/Landing Lights - ON  Transponder – ALT RUNUP Doors & Windows – LATCHED  Controls – FREE & CORRECT  Flaps – UP  Trim – Elevator & Rudder TAKEOFF  Throttle – 1700 RPM  Mixture – FULL RICH (Lean for best power above 5,000’ DA) Mags (drop< 125, difference ea <50)  Prop – Cycle 3 X  Vacuum Check – In the Green  Carb Heat – TEST  Ammeter - Charging  Low Voltage Light - Out  Throttle – 1000 RPM  Instruments – CHECK/SET  Seat Belts – SECURE  COM – First Freq. 122.7 KMAN  KMAN ASOS:118.325  NAV – First Freq. - 113.3 BOI VOR  OBS – SET  Charts & Log – READY  Headset – ON  Auto-Pilot OFF  Elec. Trim OFF |
| **BEFORE TAKEOFF - Clearing** circle for Pattern Traffic  • What is your **ABORT** Plan?  Flaps **UP** or 20° • Carb Heat **OFF** • Transponder **ALT** •  Lights/Strobes **ON** • Prop **FWD** • Cowl Flaps **OPEN** • Headset **ON** | |