

Use at your own risk. The pilot must refer to the FAA approved documents for the correct information and is responsible for safe operation of aircraft.

Cessna 182Q N121M v1.6 8/28/2024	
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 • MP 15"- 23" • Prop 2100 -2400 RPM	
CRUISE • 75% power or less • LEAN to peak EGT , then ENRICH 50°F rich of peak for recommended lean. Use G3X Engine Lean Assist OPERATING LEAN OF PEAK IS NOT APPROVED • Cowl Flaps - As Required • Routinely Check Gauges: • Oil Press/Temp • Ammeter • Landing Light On for Safety	
LANDING • Landing Light ON • Auto-Pilot OFF • GUMPS • 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° • Climb at 55 kts & above 70 kts retract flaps • Cowl Flaps OPEN	
AFTER LANDING Carb Heat OFF • Flaps UP Cowl Flaps OPEN • Mixture LEAN for taxi	
SHUTDOWN Avionics/Lights OFF • G3X Engine & Total Times RECORDED • Mixture • Mags • Master OFF • Leave Beacon On Flight Plan Closed • Control Lock Installed Pitot Tube Covers - Installed	
POSTFLIGHT Windows & All Leading Edges CLEANED • Wheel Chocks SET • Seat Belts SECURE • Interior CLEANED • Airplane LOCKED • LOG OUT Flight Log System Flight Plan CLOSED • Hangar SECURE • Lights OFF • Doors LOCKED	
<i>Kts</i>	Recommended Pattern Speeds/ Approx Pwr Settings
Vso 38	Downwind: 85 - 90 Kts / 16" MP
Vs1 53	Abeam: 75 - 80 Kts / 13" MP
Vfe 95	Base: 70 - 75 Kts / 13" MP
Va 2950 111	Final: 55 - 65 Kts / 13" MP
Va 2500 102	(Full Flaps - No Flaps)
Va 2050 93	
Vno 143	
Vne 179	
Emergency: Com 121.5 / Squawk 7700 Loss Com. Squawk 7600 KMAN ASOS:118.325 KEUL: COM 123.0 /ASOS 135.07 KBOI ATIS:123.9 Big Sky App/Dep: 119.6 unless directed to 126.9	

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CHECKED OUT - FLIGHT LOG SYSTEM PREFLIGHT Pitot/AOA Tube Covers-REMOVED Gust Lock - REMOVED Avionics Master-OFF AOA Pitot Heat/Pitot Heat - OFF Master - ON (Right side only) G3X - Check Engine(tach) Total (Hobbs) Flaps - Ck for Smooth Operation Exterior/Interior Lights - CHECK Stall Horn - CHECK Master - OFF Check Rear seats and seatbelts are properly installed. Baggage Door - LOCKED Tires/Brakes - Press/Leaks (Main 25 psi - Nose 25 psi) VG - CHECK 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-Inspect Prop & Spinner-Inspect Static Ports-Clear Check Fuel level/Caps/Drain Engine Fuel Strainer-Drain Final Walk/Look Around/Tow Bar START Passenger Briefing Seats - LOCKED Seat Belts - FASTENED Fuel - ON BOTH Cowl Flaps - OPEN Elevator / Rudder Trim-Set Circuit Breakers - In Master - ON Wait until G3X is on and MFD/Oil Pressure is visible. Set Remaining Fuel Qty to match dipstick. Reset Set Fuel Used = 0	AutoPilot Preflight (if intending to use AutoPilot or Electric Trim) See G3x manual pg 295 and FMS-Limitations Mixture - RICH Carb Heat - COLD Prime - As Required (max 3) Throttle - OPEN ~ ½ Inch Brakes - Set/Held Beacon - ON Yell - Clear Prop - Look around 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 3,000' DA) Mags (drop< 150, difference ea <50) Prop - Cycle 3 X Carb Heat - TEST Throttle to Idle - Does not quit Throttle - 1000 RPM Confirm Voltage 12.5-14 Volts Hi Voltage Light - NOT LIT Check Alt Amps - Charging Instruments - CHECK/SET Seat Belts - SECURE Headset - ON Check Intercom/Com volumes/operation COM - First Freq. 122.7 KMAN KMAN ASOS:118.325 AutoPilot - OFF G3X/Avionics - Set Up
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	