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Cessna 182Q   N121M v1.1   2/21/2021

TAKEOFF
Normal: Rotate 50 Kts   **Vy 78 Kts** (73 kts @ 10,000')
Short/Soft: Flaps 20°   **Vx 57 Kts** (62 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**
• 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**
• Wheel Chocks **SET** • Seat Belts **SECURE** • Interior **CLEANED**
• Airplane **LOCKED** • Flight Log **ENTERED** • Flight Plan **CLOSED**
• Hangar **SECURE** • Lights **OFF** • Doors **LOCKED**

Kts	Recommended Pattern Speeds/ Approx Pwr Settings
Vso 45	Downwind: 85 - 90 Kts / 16" MP
Vs1 48	
Vfe 95	Abeam: 75 - 80 Kts / 13" MP
Va 2950 111	
Va 2500 102	Base: 70 - 75 Kts / 13" MP
Va 2050 93	
Vno 143	Final: 60 - 65 Kts / 13" MP
Vne 179	(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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PREFLIGHT
Pitot Tube Cover - REMOVED
Gust Lock - REMOVED
Hobbs – Record into Flight Log
Tach – Check < Oil Change Time
Avionics Master–OFF
Master - ON
Flaps – Ck for Smooth Operation
Fuel Gauges – CHECK
Exterior Lights - CHECK
Interior Lights – CHECK
Stall Horn - CHECK
Master – OFF
Baggage Door – LOCKED
Tires/Brakes – Press/Leaks
(Main 42 psi - Nose 49 psi)
Fuel Quantity & Caps secure
Oil level: 7 MIN / 8 MAX Qts. Oil
Filler Cap – Secure
Nose strut, Cowl Flaps,
Prop & Spinner - Inspect
Static Ports-Clear
Check Fuel level/Caps/Drain
Engine Fuel Strainer-Drain
Final Walk / Look Around

START
Seats – LOCKED
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 3)
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
Carb Heat – TEST
Ammeter - Charging
Low Voltage Light - Out
Throttle – 1000 RPM
Instruments – CHECK/SET
Seat Belts – SECURE
COM – First Freq. 122.7 KMAN
NAV – First Freq. - 113.3 BOI VOR
OBS – SET
Charts & Log – READY
Headset – ON

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**