

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 182P N9989E v1.8 8/28/2024

TAKEOFF
 Normal: Rotate 60 MPH **Vy 89 MPH** (85 mph @ 10,000')
 Short/Soft: Flaps 20° **Vx 60 MPH** (64 mph @ 10,000')

CRUISE CLIMB **100 – 120 MPH**
BEST GLIDE **80 MPH (flaps up)**

>1000' AGL Oil Pres/Temp • Ammeter • Vacuum
 • MP **15"- 23"** • Prop **2200 -2450 RPM**

CRUISE
 • 75% power or less • LEAN to **peak EGT**, then ENRICH 75°F rich of peak for best economy (125°F for best power). 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** • AutoPilot **OFF** • **GUMPS**
 • Carb Heat **ON** • Prop **FWD**
 • Cowl Flaps **CLOSED** • Fuel **BOTH** • Mixture **ENRICH**
 • Approach at **70-80 MPH**

GO AROUND
 • Full Throttle • Pitch up • Carb Heat **OFF** • Flaps retract to **20°**
 • Climb at **60 mph** & above **80 mph** 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** • 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**

MPH	Recommended Pattern Speeds/ Approx Pwr Settings
Vso 63	Downwind: 90 - 100 mph / 16" MP
Vs1 68	Abeam: 85 - 90 mph / 13" MP
Vfe 110	Base: 80 - 85 mph / 13" MP
Va 2950 126	Final: 70 - 75 mph / 13" MP
Va 2500 116	(Full Flaps – No Flaps)
Va 2050 105	
Vno 160	
Vne 198	

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
 Baggage Door - LOCKED
 Tires/Brakes - Press/Leaks (Main 42 psi - Nose 49 psi)
 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

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**

Mixture - RICH
 Carb Heat - COLD
 Prime - As Required (max 3)
 Throttle - OPEN ~ 1/2 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