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Cessna 182P N9989E v1.6 7/31/2020	
<b>TAKEOFF</b>	
Normal: Rotate 60 MPH	<b>Vy 89 MPH</b> (85 mph @ 10,000')
Short/Soft: Flaps 20°	<b>Vx 60 MPH</b> (64 mph @ 10,000')
<b>CRUISE CLIMB 100 – 120 MPH</b>	
<b>BEST GLIDE 80 MPH (flaps up)</b>	
>1000' AGL Oil Pres/Temp • Ammeter • Vacuum • MP <b>15"- 23"</b> • Prop <b>2200 -2450 RPM</b>	
<b>CRUISE</b>	
• Max 75% power • Mixture <b>LEAN</b> to <b>peak EGT</b> , then <b>ENRICH</b> 125°F rich of peak for Best power. • Heading Indicator <b>SET</b> • Cowl Flaps <b>CLOSED</b> • Routinely Check Gauges: • Oil Press/Temp • Ammeter • Landing Light <b>ON for Safety</b>	
<b>LANDING</b>	
• Landing Light <b>ON</b> • Autopilot <b>OFF</b> • Carb Heat <b>ON</b> • Prop <b>FWD</b> • Cowl Flaps <b>CLOSED</b> • Fuel <b>BOTH</b> • Mixture <b>ENRICH</b> • Approach at <b>70-80 MPH</b>	
<b>GO AROUND</b>	
• Full Throttle • Pitch up • Carb Heat <b>OFF</b> • Flaps retract to <b>20°</b> • Climbing & above <b>80 MPH</b> , retract flaps • Cowl Flaps <b>OPEN</b>	
<b>AFTER LANDING</b>	
Carb Heat <b>OFF</b> • Transponder <b>SBY</b> • Flaps <b>UP</b> Cowl Flaps <b>OPEN</b> • Mixture <b>LEAN</b> for taxi	
<b>SHUTDOWN</b> Avionics/Lights <b>OFF</b> • Mixture <b>OFF</b> • Master <b>OFF</b> • Mags <b>OFF</b> Flight Plan <b>Closed</b> • Control Lock <b>Installed</b> • Pitot Tube Cover <b>Installed</b>	
<b>POSTFLIGHT</b>	
• Hobbs & Tach Time <b>RECORDED</b> • Windows & Leading Edges <b>CLEANED</b> • Wheel Chocks <b>SET</b> • Seat Belts <b>SECURE</b> • Interior <b>CLEANED</b> • Airplane <b>LOCKED</b> • Flight Log <b>DATA ENTERED</b> • Flight Plan <b>CLOSED</b> • Hangar <b>SECURE</b> • Lights <b>OFF</b> • Doors <b>LOCKED</b>	
<b>MPH</b>	Recommended Pattern Speeds/ Approx Pwr Settings
<b>Vso 63</b>	Downwind: 90 - 100 mph / 16" MP
<b>Vs1 68</b>	Abeam: 85 - 90 mph / 13" MP
<b>Vfe 110</b>	Base: 80 - 85 mph / 13" MP
<b>Va 2950 126</b>	Final: 70 - 75 mph / 13" MP
<b>Va 2500 116</b>	(Full Flaps – No Flaps)
<b>Va 2050 105</b>	
<b>Vno 160</b>	
<b>Vne 198</b>	
<b>Emergency: Com 121.5 / Squawk 7700</b> 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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<b>PREFLIGHT</b>	
Pitot Tube Cover - REMOVED	Brakes – Set/Held
Gust Lock - REMOVED	Master – ON
Hobbs – Record into Flight Log	Beacon – ON
Tach – Check < Oil Change Time	Engage Starter (max 20 sec crank if no start)
Avionics Master–OFF	
Master - ON	<b>AFTER START</b>
Flaps – Ck for Smooth Operation	Throttle – 1000 RPM
Fuel Gauges – CHECK	Oil Pressure– in green < 30 seconds
Exterior Lights - CHECK	Flaps – UP
Interior Lights – CHECK	Mixture – <b>LEAN FOR TAXI</b>
Stall Horn - CHECK	Avionics Master – ON
Master – OFF	Taxi Lights - ON
Baggage Door – LOCKED	Transponder – ALT
Tires/Brakes – Press/Leaks (Main 42 psi - Nose 49 psi)	<b>RUNUP</b>
Fuel Quantity & Caps secure	Doors & Windows – LATCHED
Oil level: 7 MIN / 8 MAX Qts. Oil	Controls – FREE & CORRECT
Filler Cap – Secure	Flaps – UP
Nose strut, Cowl Flaps, Prop & Spinner - Inspect	Trim – Elevator & Rudder TAKEOFF
Static Ports-Clear	Throttle – 1700 RPM
Check Fuel level/Caps/Drain	Mixture – FULL RICH (Lean for Best power above 5,000' DA)
Engine Fuel Strainer-Drain	Mags (drop< 125, difference ea <50)
Final Walk / Look Around	Prop – Cycle 3 X
	Carb Heat – TEST
<b>START</b>	Ammeter - Charging
Seats – LOCKED	Low Voltage Light - Out
Seat Belts – FASTENED	Throttle – 1000 RPM
Passenger Briefing	Instruments – CHECK/SET
Cowl Flaps – OPEN	Garmin G5 baro pressure set/referenced to conventional Altimeter
Elevator / Rudder Trim Set	Seat Belts – SECURE
Circuit Breakers – IN	COM – First Freq. 122.7 KMAN
Avionics – OFF	NAV – First Freq. - 113.3 BOI VOR
AutoPilot –OFF (is off by default)	OBS – SET
Mixture – RICH	Charts & Log – READY
Carb Heat – COLD	Headset – ON
Prime – As Required (max 3)	
Throttle – OPEN ½ Inch	
Yell - Clear Prop	
<b>BEFORE TAKEOFF</b> - Clearing circle for Pattern Traffic • What is your <b>ABORT</b> Plan? Flaps <b>UP</b> or 20° • Carb Heat <b>OFF</b> • Transponder <b>ALT</b> • Lights/Strobes <b>ON</b> • Prop <b>FWD</b> • Cowl Flaps <b>OPEN</b> • Headset <b>ON</b>	