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.

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| **Cessna 172N – 180HP V1.4 3/23/2025** |
| **TAKEOFF** Normal: Rotate 48 KIAS **Vy 73 KIAS** (72 KIAS @ 10,000’ DA)Short/Soft: Flaps 10°/10° **Vx 62 KIAS** (67 KIAS @ 10,000’ DA) |
| **CRUISE CLIMB 75-85 KIAS** **MAXIMUM GLIDE SPEED 68 KIAS (flaps up@ GW)** 62 KIAS @ 2150# / 56 KIAS @ 1750 # |
| **>1000’ AGL** • Oil Pres/Temp • Ammeter • Lights On |
| **CRUISE** • Mixture LEAN to **peak EGT**, then ENRICH 50˚F rich of peak for Best power.• Heading Indicator **SET** • Routinely Check Gauges: • Oil Press/Temp • Ammeter • Fuel  |
| **LANDING** • Landing Light **ON** • AutoPilot **OFF** • **GUMPS**• Carb Heat **ON** • Fuel **BOTH** • Mixture **ENRICH**• Approach at **65-75 KIAS (flaps up) 60-70 KIAS (30**° **flaps)** |
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| *CAS KIAS***Vso 40****Vs1 50****Vfe 85****Va 2550 105****Va 2150 95****Va 1750 85****Vno 127****Vne 158** | Recommended Pattern Speeds/ Approx Pwr SettingsDownwind: 85 - 95 KIAS / 2000 RPMAbeam: 80 - 85 KIAS / 1500 RPM Base: 70 - 80 KIAS / 1500 RPM Final: 60 - 70 KIAS / 1500 RPM (Flaps – No Flaps) |

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| **GO AROUND** • Full Throttle • Pitch up • Carb Heat **OFF**• Flaps retract to **20°** • Climbing & above **65 KIAS** retract flaps |
| **AFTER LANDING**• Carb Heat **OFF** • Flaps **UP**• Mixture **LEAN** for taxi |
| **SHUTDOWN** • Avionics/Lights **OFF** • Mixture **OFF** • Master **OFF** •• Mags **OFF** • Parking Brake **SET** • Pitot Tube Covers **Installed**• Control Lock **Installed** • Flight Plan **Closed** |
| **POSTFLIGHT** • Hobbs & Tach Time **RECORD** • Windows & Leading Edges **CLEAN** • Wheel Chocks **SET** • Seat Belts **SECURE** • Interior **CLEAN**• Airplane **LOCKED** • Flight Log **ENTERED** • Flight Plan **CLOSED**• Hangar **SECURE** • Lights **OFF** • Doors **LOCKED** |
| Emergency: Com 121.5 / Squawk 7700Loss Com. Squawk 7600KMAN ASOS:118.325 KEUL ASOS :135.07 KBOI ATIS:123.9BOI App/Dep:119.6 unless directed to 126.9 FSS BOI: 122.6 |

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| **Cessna 172N – 180HP V1.4 3/23/2025** |
| PREFLIGHTPitot/AOA Tube Covers-REMOVEDGust Lock - REMOVEDAvionics Master–OFFAOA Pitot Heat/Pitot Heat - OFFMaster – ON (Right side only)Hobbs – Check with Flight LogTach Time Check < Oil ChangeFlaps – 20° Smooth OperationFuel Gauges – CHECKExterior Lights - CHECKInterior Lights - CHECKMaster – OFFBaggage Door – LOCKEDTires/Brakes – Press/Leaks(Main 38 psi - Nose 45 psi)Fuel Quantity & Caps Secure.Oil level: 6 MIN / 7 MAX Qts. Nose Strut - Correct travelProp/Spinner - InspectStatic Ports - ClearCheck Fuel Wing Drains - QualityEngine Fuel Strainer-DrainFinal Walk/Look Around/Tow BarSTARTSeats – LOCKEDSeat/Shoulder Belts– FASTENEDParking Brake – SETPassenger BriefingFuel – ON BOTHCircuit Breakers – INMixture – RICHCarb Heat – COLDPrime – As Required (max 3)Throttle – OPEN ½ InchBeacon – ONProp Area - Clear (Yell)Master – ON (Right side only)Engage Starter (max 20 sec crank if no start) | AFTER STARTMaster – ON (Left and Right)Throttle – 1000 RPMOil Pressure– in green < 30 secondsFlaps – UPMixture – LEAN FOR TAXIAvionics Master – ONAutoPilot Preflight See any C182 G3X manual pg 295 and FMS-Limitations 2-1 and Preflight 7-7.ESP on G5 - Know how to DisengageGTN750Xi – Set Fuel Qty/Fuel BurnTaxi Lights - ONTransponder – ALTRUNUPDoors & Windows – LATCHEDControls – FREE & CORRECTFlaps – UPTrim – TAKEOFFThrottle – 1700 RPMMixture – FULL RICH (Lean for Best Power above 3,000’ DA)MAG TEST: Note: Electronic Ignition on R mag. Drop will be different (L < 125 rpm, R < 50 rpm)When switching R to Both, there will be a slight drop in RPM. Switch mag positions quickly to minimize backfire or momentary loss RPM.Carb Heat – TESTAmmeter - ChargingLow Voltage Light - Out Throttle – back to 1000 RPMInstruments – CHECK/SETGarmin G5 baro pressure set/referenced same as conventional Altimeter Seat Belts/Harnesa – SECURECOM – First Freq. 122.7 KMANKMAN ASOS:118.325 Headsets Check – Noise Canceling ONCheck Intercom/Com volumes/operationAutoPilot – OFFGTN750Xi/Avionics – Set Up |
| **BEFORE TAKEOFF**  Flaps **UP** OR 10°• Carb Heat **OFF** •• Landing Lights/Strobes **ON** • Headset **ON** • Transponder - **ALT****-** Clearing circle for Pattern Traffic• What is your **ABORT** Plan? |