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 172M – 160HP V1.7 4/2/2025** |
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| **TAKEOFF** Normal: Rotate 68 mph **Vy 91 mph** (80 mph @ 10,000’ DA)Short/Soft: Flaps 0 /10° **Vx 68 mph** (73 mph @ 10,000’ DA) |
| **CRUISE CLIMB 80-90 mph @ Max RPM**  **Do Not exceed 2500 RPM for more than 5 min during climb out****BEST GLIDE 80 mph (flaps up)** |
| **>1000’ AGL** • Oil Pres/Temp • Ammeter • Lights  |
| **CRUISE Do Not exceed 2500 RPM for more than 5 min during Cruise** • Mixture **LEAN** for max RPM• Heading Indicator **SET** • Routinely Check Gauges:• Oil Press/Temp • Ammeter • Fuel • Carb Temp (64R) |
| **LANDING** • Landing Light **ON**• Carb Heat **ON** • Fuel **BOTH** • Mixture **ENRICH**• Approach at **70-80 mph (flaps up)** **65-75 mph (flaps down)** |
| **GO AROUND** • Full Throttle • Pitch up • Carb Heat **OFF**• Flaps retract to **20°** • *Climbing & above* ***65 mph*** 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 Cover **Installed**• Control Lock **Installed** • Flight Plan **Closed** |
| **POSTFLIGHT** • Hobbs & Tach Time **RECORD** • Windows & Leading Edges **CLEAN** • Wheel Chocks **SET** • Seat Belts **SECURE** • Interior **CLEANED**• Airplane **LOCKED** • Flight Log **ENTERED** • Flight Plan **CLOSED**• Hangar **SECURE** • Lights **OFF** • Doors **LOCKED** |
| *IAS MPH***Vso 50****Vs1 40****Vfe 100****Va 2300 112****Va 1950 103****Va 1600 93****Vno 145****Vne 182** | Recommended Pattern Speeds/ Approx Pwr SettingsDownwind: 90 - 95 mph / 2000 RPMAbeam: 80 - 85 mph / 1500 RPM Base: 75 - 80 mph / 1500 RPM Final: 65 - 70 mph / 1500 RPM (Flaps – No Flaps) |
| 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 126.9BOI Twr 118.1 / Gnd 121.7 FSS BOI: 122.6 |

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| **Cessna 172M – 160HP V1.7 4/2/2025** |
| 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 29 psi - Nose 31 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 – ONGTN750Xi – Set Fuel Qty/Fuel BurnTaxi Lights - ONTransponder – ALTRUNUPDoors & Windows – LATCHEDControls – FREE & CORRECTFlaps – UPTrim – TAKEOFFFuel – BOTHThrottle – 1700 RPMMixture – FULL RICH (Lean for Best Power above 3,000’ DA)Mags (drop< 125, difference ea <50)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/Harness – SECURECOM – First Freq. 122.7 KMANKMAN ASOS:118.325 Headsets Check–Noise Canceling ONCheck Intercom/Com volumes/operationGTN750Xi/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? |