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 Settings  Downwind: 90 - 95 mph / 2000 RPM  Abeam: 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 7700  Loss Com. Squawk 7600  KMAN ASOS:118.325 KEUL ASOS :135.07 KBOI ATIS:123.9  BOI App/Dep:119.6 unless directed to 126.9  BOI Twr 118.1 / Gnd 121.7 FSS BOI: 122.6 | |

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| **Cessna 172M – 160HP V1.7 4/2/2025** | |
| PREFLIGHT Pitot/AOA Tube Covers-REMOVED  Gust Lock - REMOVED  Avionics Master–OFF  AOA Pitot Heat/Pitot Heat - OFF  Master – ON (Right side only)  Hobbs – Check with Flight Log  Tach Time Check < Oil Change  Flaps – 20° Smooth Operation  Fuel Gauges – CHECK  Exterior Lights - CHECK  Interior Lights - CHECK  Master – OFF  Baggage Door – LOCKED  Tires/Brakes – Press/Leaks  (Main 29 psi - Nose 31 psi)  Fuel Quantity & Caps Secure.  Oil level: 6 MIN / 7 MAX Qts.  Nose Strut - Correct travel  Prop/Spinner - Inspect  Static Ports - Clear  Check Fuel Wing Drains - Quality  Engine Fuel Strainer-Drain  Final Walk/Look Around/Tow Bar START Seats – LOCKED  Seat/Shoulder Belts– FASTENED  Parking Brake – SET  Passenger Briefing  Fuel – ON BOTH  Circuit Breakers – IN  Mixture – RICH  Carb Heat – COLD  Prime – As Required (max 3) Throttle – OPEN ½ Inch  Beacon – ON  Prop Area - Clear (Yell)  Master – ON (Right side only)  Engage Starter (max 20 sec crank if no start) | AFTER START Master – ON (Left and Right)  Throttle – 1000 RPM  Oil Pressure– in green < 30 seconds  Flaps – UP  Mixture – LEAN FOR TAXI  Avionics Master – ON  GTN750Xi – Set Fuel Qty/Fuel Burn  Taxi Lights - ON  Transponder – ALT RUNUP Doors & Windows – LATCHED  Controls – FREE & CORRECT  Flaps – UP  Trim – TAKEOFF  Fuel – BOTH  Throttle – 1700 RPM  Mixture – FULL RICH (Lean for Best Power above 3,000’ DA)  Mags (drop< 125, difference ea <50)  Carb Heat – TEST  Ammeter - Charging  Low Voltage Light - Out  Throttle – back to 1000 RPM  Instruments – CHECK/SET  Garmin G5 baro pressure set/referenced same as conventional Altimeter  Seat Belts/Harness – SECURE  COM – First Freq. 122.7 KMAN  KMAN ASOS:118.325  Headsets Check–Noise Canceling ON  Check Intercom/Com volumes/operation  GTN750Xi/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? | |