

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 172M – 160HP V1.8 12/3/2025	
TAKEOFF	
Normal: Rotate 60 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° • <i>Climbing & above 65 mph</i> 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	Recommended Pattern Speeds/ Approx Pwr Settings
Vso 54	
Vs1 61	Downwind: 90 - 95 mph / 2000 RPM
Vfe 100	
Va 2300 112	Abeam: 80 - 85 mph / 1500 RPM
Va 1950 103	
Va 1600 93	Base: 75 - 80 mph / 1500 RPM
Vno 145	Final: 65 - 70 mph / 1500 RPM
Vne 182	(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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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)	
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?	