

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 V1.2	
BEFORE TAKEOFF - Clearing circle for Pattern Traffic <ul style="list-style-type: none"> • What is your ABORT Plan? • Flaps UP • Carb Heat OFF • Transponder ALT • Lights/Strobes ON • Headset ON 	
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 90 mph 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 • Vacuum • Lights	
CRUISE Do Not exceed 2500 RPM for more than 5 min during Cruise <ul style="list-style-type: none"> • Landing Light OFF • Mixture LEAN for max RPM • Heading Indicator SET • Routinely Check Gauges: • Oil Press/Temp • Ammeter • Vacuum • Fuel • Carb Temp (64R) 	
LANDING <ul style="list-style-type: none"> • Carb Heat ON • Fuel BOTH • Mixture ENRICH • Approach at 65-75 mph 	
GO AROUND <ul style="list-style-type: none"> • Full Throttle • Pitch up • Carb Heat OFF • Flaps retract to 20° • <i>Climbing & above 65 mph</i> retract flaps 	
AFTER LANDING <ul style="list-style-type: none"> • Carb Heat OFF • Transponder SBY • Flaps UP • Mixture LEAN for taxi 	
SHUTDOWN • Avionics/Lights OFF • Mixture OFF • Master OFF • <ul style="list-style-type: none"> • Mags OFF • Headset OFF • Parking Brake SET • Control Lock Installed • Flight Plan Closed 	
POSTFLIGHT <ul style="list-style-type: none"> • Hobbs Time RECORD • Windows & Leading Edges CLEAN • Wheel Chocks SET • Seat Belts SECURE • Interior CLEAN • Airplane LOCKED • Flight Log ENTERED • Flight Plan CLOSED • Hangar SECURE • Padlock Set 0000 • Lights OFF 	
CAS MPH Vso 54 Vs1 61 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 (Full Flaps – No Flaps)

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PREFLIGHT Gust Lock - REMOVED Hobbs – Recorded. Enter flight into Flight Log System Master – ON Flaps – 20° 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 Caps & Quantity Fuel Vents Oil level: 6 MIN / 7 MAX Qts. Nose strut Static Port Wing Fuel Drains Engine Fuel Strainer	AFTER START Throttle – 1000 RPM Oil Pressure– in green < 30 seconds Flaps – UP Mixture – LEAN FOR TAXI Avionics – ON Beacon – ON Nav Lights – As Required Transponder – STBY
START Seats – LOCKED Selt Belts – FASTEN Parking Brake – SET Passenger Briefing Fuel – BOTH Circuit Breakers – IN Avionics – OFF Mixture – RICH Carb Heat – COLD Prime – As Required Throttle – OPEN ½ Inch Clear Prop Master – ON Engage Starter (max 20 sec crank if no start) Release when engine starts.	RUNUP Doors & Windows – LATCHED Controls – Free & Correct Flaps – UP Trim – TAKEOFF Fuel – BOTH Throttle – 1700 RPM Mixture – BEST POWER Vacuum – Check (4.6" -5.4") Mags (drop < 125, difference ea < 50) Carb Heat – TEST Alternator – TEST Throttle – 1000 RPM Instruments – CHECK Seat Belts – CHECK COM – First Freqs 122.7 KMAN NAV – First Freqs OBS – SET Charts & Log – READY Headset – ON
SEE OTHER SIDE FOR BEFORE TAKEOFF CHECK	
Emergency: Com 121.5 / Squawk 7700 Loss Com. Squawk 7600 Flight Watch: 122.0 FSS BOI: 122.2 / 122.6 KMAN ASOS:118.325 KEUL ASOS :135.07 KBOI ATIS:123.9 BOI App/Dep: North 126.9 / South 119.6 BOI Twr 118.1 / Gnd 121.7	