

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 172N – 180HP V1.2 4/20/2018	
BEFORE TAKEOFF	
<ul style="list-style-type: none"> • Flaps UP OR 10° • Carb Heat OFF • Transponder ALT • Landing Lights/Strobes ON • Headset ON - Clearing circle for Pattern Traffic • What is your ABORT Plan? 	
TAKEOFF	
Normal: Rotate 55 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 • Vacuum • Lights On	
CRUISE • Mixture LEAN for cruise RPM setting	
<ul style="list-style-type: none"> • Heading Indicator SET • Routinely Check Gauges: • Oil Press/Temp • Ammeter • Vacuum • Fuel 	
LANDING • Landing Light ON	
<ul style="list-style-type: none"> • Carb Heat ON • Fuel BOTH • Mixture ENRICH • Approach at 65-75 KIAS (flaps up) 60-70 KIAS (30° flaps) 	
GO AROUND	
<ul style="list-style-type: none"> • Full Throttle • Pitch up • Carb Heat OFF • Flaps retract to 20° • Climbing & above 65 KIAS retract flaps 	
AFTER LANDING	
<ul style="list-style-type: none"> • Carb Heat OFF • Flaps UP • Mixture LEAN for taxi 	
SHUTDOWN • Avionics/Lights OFF • Mixture OFF • Master OFF •	
<ul style="list-style-type: none"> • Mags OFF • Parking Brake SET • Pitot Tube Cover Installed • 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 KIAS	
Vso 40	Recommended Pattern Speeds/ Approx Pwr Settings
Vs1 50	
Vfe 85	Downwind: 85 - 95 KIAS / 2000 RPM
Va 2550 105	Abeam: 80 - 85 KIAS / 1500 RPM
Va 2150 95	
Va 1750 85	Base: 70 - 80 KIAS / 1500 RPM
Vno 127	
Vne 158	Final: 60 - 70 KIAS / 1500 RPM
	(Flaps – No Flaps)

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PREFLIGHT	AFTER START
Pitot Tube Cover - REMOVED	Throttle – 1000 RPM
Gust Lock - REMOVED	Oil Pressure– in green < 30 seconds
Hobbs – Recorded. Enter flight into Flight Log System	Flaps – UP
Master – ON	Mixture – LEAN FOR TAXI
Flaps – 20°	Avionics Master – ON
Fuel Gauges – CHECK	Beacon – ON
Exterior Lights - CHECK	Taxi Lights - ON
Interior Lights - CHECK	Transponder – ALT
Master – OFF	
Baggage Door – LOCKED	RUNUP
Tires/Brakes – Press/Leaks (Main 38 psi - Nose 45 psi)	Doors & Windows – LATCHED
Fuel Caps & Quantity	Controls – FREE & CORRECT
Oil level: 6 MIN / 7 MAX Qts.	Flaps – UP
Nose strut - Correct travel	Trim – TAKEOFF
Prop/Spinner - Inspect	Throttle – 1700 RPM
Static Port	Mixture – BEST POWER
Check Fuel/Caps/Drain	Vacuum – Check (4.6"-5.4")
Engine Fuel Strainer-Drain	Mags (drop< 125, difference ea <50)
Final Walk / Look Around	Carb Heat – TEST
	Ammeter - Charging
START	Low Voltage Light - Out
Seats – LOCKED	Throttle – 1000 RPM
Seat Belts – FASTENED	Instruments – CHECK/SET
Parking Brake – SET	Seat Belts – SECURE
Passenger Briefing	COM – First Freq. 122.7 KMAN
Fuel – ON BOTH	NAV – First Freq. - 113.3 BOI VOR
Circuit Breakers – IN	OBS – SET
Avionics – OFF	Charts & Log – READY
Mixture – RICH	Headset – ON
Carb Heat – COLD	
Prime – As Required (max 3)	
Throttle – OPEN ½ Inch	
Clear Prop	
Master – ON	
Engage Starter (max 20 sec crank if no start)	
	SEE OTHER SIDE FOR BEFORE TAKEOFF CHECK
Emergency: Com 121.5 / Squawk 7700	
Loss Com. Squawk 7600	
FSS BOI: 122.2 / 122.6	
KMAN ASOS:118.325 KEUL ASOS :135.07 KBOI ATIS:123.9	
Big Sky App/Dep: North 126.9 / South 119.6	
BOI Twr 118.1 / Gnd 121.7	