

CRUISE CLIMB

Airspeed..... 80-90 KIAS
 Mixture..... As Necessary
 Engine Inst..... Green Arc

CRUISE

Pitch..... Level
 Airspeed Cruise
 Power..... 2300 RPM
 Trim..... Adjust
 Mixture..... Lean
 Engine Inst..... Green Arc
 ---Pitch --- Power – Trim ---
 Crosscheck HI to Compass
 Flight plan Open
 Flight Following Request

DESCENT

Fuel Valve..... Both
 Mixture..... As Necessary
 PowerAs Necessary
 Carb Heat..... As Necessary
 Engine Inst..... Green Arc
 Airport Environment Preparation

BEFORE LANDING

Fuel Valve..... Both
 Mixture..... As Necessary
 Carb Heat.....On if visible moisture
 PrimerIn/Locked
 Seatbelts..... Fastened
 Landing Light.... As Required

GUMPS C**NORMAL LANDING**

Airspeed..... 65 knots
 Flaps..... As Required
 Trim..... As Required
 Brakes..... Minimum

NO FLAP LANDING

Airspeed..... 65 knots
 Trim..... As Required
 Brakes..... Minimum

SHORT FIELD LANDING

Airspeed..... 59 KIAS
 Flaps..... 40 Degrees
 Trim..... As Required
 Brakes..... Maximum

SOFT FIELD LANDING

Airspeed..... 65 knots
 Flaps..... 10-40 Degrees
 Trim..... As Required
 Flt Controls..... Full Aft after Touchdown

GO AROUND

Throttle..... Full
 Carb Heat..... Off
 Mixture..... Rich
 Flaps..... Retract to 20
 Airspeed..... 59 KIAS
 Obstacle..... Clear
 Airspeed..... 78 KIAS
 Flaps..... Retract Slowly
Cram It, Climb It, Clean It, Call It

AFTER LANDING

Clear of runway
 Flaps..... Retracted
 Carb Heat..... Off
 Lights..... Off
 Mixture..... Lean
 Contact ground or taxi to ramp

SHUTDOWN

S Switch off Avionics & lights
L Lean Mixture to cutoff
I Ignition Off
M Master Off
 Trim..... Takeoff
 Control Lock..... Install
 Hobbs/Tach..... Record
 Pitot Cover On
 Tie downs..... Secure
 Flight Plan Close

ENGINE FAILURES**TAKEOFF RUN**

Throttle..... Idle
 Brakes..... Apply
 Flaps..... Retract
 Mixture..... Cutoff
 Ignition..... Off
 Master..... Off

CLIMBOUT

Airspeed..... 65 knots
 Fuel Valve..... Off
 Mixture..... Cutoff
 Throttle..... Idle
 Ignition..... Off
 Flaps..... As Required
 Master..... Off

IN-FLIGHT : RESTART

Airspeed..... 65 knots
 SELECT A FIELD : FLY TO IT
 Fuel Valve..... On
 Mixture..... Rich
 Carb Heat..... On
 Primer In/Locked
 Ignition:
 Prop Turning.....Both
 Prop Stopped... master sw ON Start
 Transponder 7700
 Radio..... 121.5 / Mayday

IN-FLIGHT : SECURE

Airspeed..... 65 knots
 Fuel Valve..... Off
 Mixture..... Cutoff
 Throttle..... Idle
 Ignition..... Off
 Flaps..... As Required
 Master..... Off
 Doors..... Open
 Seatbelts..... Fasten/Tight
 Prep Passengers

C-172 Checklist**V-SPEEDS KIAS**

Vso..... 41
 Vs1..... 47
 Vx..... 59
 Vy..... 78
 Vglide..... 65
 Vfe..... 85
 Va..... 97-80
 Vno..... 128
 Vne..... 160

FREQUENCIES:

ATIS..... 126.85
 Ground..... 128.70
 Tower..... 118.50
 Approach/Center..... 134.3
 UNICOM..... 122.95
 Flight Service..... 122.65
 Coulter..... 123.00
 RWV, LHB, 60R... 122.90

Cockpit	
Hobbs.....	Record Start
Compass.....	Fluid/Heading
Aircraft Documents (AROW)	Check
Control Lock.....	Remove
Ignition Switch.....	Off
Mixture.....	Cutoff
Trim.....	Takeoff
Fuel Valve.....	Both
Alternate Static.....	Check
Circuit Breakers.....	In
Electrical Switches.....	Off
Master Switch.....	On
Flaps.....	Full
Fuel Gauges.....	Check
Acft/Cockpit lights.....	Check/Off-Day
Master Switch.....	Off

Fuselage: Left Side

Fuel Sump.....	Drain
Gear Strut.....	Check
Brake Assembly.....	Check
Tire.....	Check
Door.....	Check
Rear Window.....	Check
Baggage Door.....	Secure
Fuselage.....	Check

Empennage

Horizontal Stabilizer.....	Check
Elevator.....	Check
Rudder.....	Check
Tail Tie Down.....	Remove
Trim Tab.....	Check

Fuselage: Right Side

Fuselage.....	Check
Antennas.....	Check
Rear Window.....	Check
Door.....	Check
Gear Strut.....	Check
Brake Assembly.....	Check
Tire.....	Check
Fuel Sump.....	Drain

Right Wing	
Flap.....	Check
Aileron.....	Check
Wing Tip.....	Check
Leading Edge.....	Check
Tie Down.....	Remove
Fuel.....	Check/Visually
Belly Sump (if equipped).....	Drain

Nose / Powerplant

Fuel Strainer.....	Drain
Engine Oil (5 local 6 x-country)	min
Exhaust Stack.....	Check
Prop / Spinner.....	Check
Alternator Belt.....	Check
Cowling.....	Check
Landing Light.....	Check
Air Filter.....	Check
Nose Wheel.....	Check
Oleo Strut.....	2" min extension
Static Port.....	Check
Windscreen.....	Clean

Left Wing

Fuel.....	Check Visually
Pitot Tube.....	Remove cover
	Check Clear
Fuel Vent.....	Check
Stall Warning.....	Check
Tie Down.....	Remove
Leading Edge.....	Check
Wing Tip.....	Check
Aileron.....	Check
Flap.....	Check
Roll to check tires	

BEFORE STARTING

Passenger Briefing	
Seats	Adjusted
Seatbelts	Fastened
Radio Master	Off
Circuit Breakers	In
Brakes	Tested/HOLD

STARTING

Mixture	Rich
Throttle	Open ¼ inch
Carb Heat	Off
Primer	As Necessary
Propeller	Clear
Master Switch	On
Ignition Switch	Start
Throttle	800 – 1000 RPM
Oil Pressure	Green Arc
Ammeter Indication	Check
Mixture	Lean
Beacon	On

BEFORE TAXI

Flaps	Up/Check
Transponder	Squawk 1200 & Alt
Radio Master	On
Audio Panel	Transmitter – Select
	Auto Switch – Phones
	Radio Switches - Auto
Radios	Set
Coms / Navs	Check Ops
ATIS/Wx	Obtain
Instruments	Check/Set
Area	Clear
Contact Ground - or - Taxi to Rwy	
Brakes	Release/Test

TAXI

Flight Controls	Position for wind
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BEFORE TAKEOFF

Brakes	Set
Doors/Windows	Closed
Mixture	Enrichen
Throttle	1700 RPM
Magnetos	Check
Max drop-125 RPM	Max diff- 50 RPM
Engine Inst	Green Arc

BEFORE TAKEOFF (continued)

Ammeter	Check
Suction	Green Arc
Carb Heat	on/off
Throttle	Idle
Flights Controls	Free AND Correct
Trim	Takeoff
Flight Inst	Set
Radios	Set
Fuel Valve	Both
Mixture	Enrichen
Seatbelts	Fastened
TAKEOFF BRIEFING	
EMERGENCY PROCEDURES	
Contact tower or	
Announce departing Rwy XX	
Approach Path	Clear
Takeoff time	Note
Initial Heading	Note

NORMAL TAKEOFF

Flaps	0 Degrees
Throttle	Full Open
Engine Inst	Green Arc
Rotate	55 KIAS
Climb	78 KIAS

SHORT FIELD TAKEOFF

Flaps	Retracted
Brakes	Apply
Throttle	Full Open
Engine Inst	Green Arc
Brakes	Release
Rotate	55 KIAS
Climb	59 KIAS
Altitude	Clear Obstacle
Climb	78 KIAS

SOFT FIELD TAKEOFF

Flaps	10 Degrees
Flight Controls	Full Aft
Turns	Gradual
Brakes	None
Throttle	Full Open
Engine Inst	Green Arc
Aircraft	Accl in Ground Effect
Climb	78 KIAS
Flaps	Retract