

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..... 120.40
 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