

WINFC Cessna 172 – N54635

Preflight

CABIN	
Control Wheel Lock	REMOVED
Throttle	CLOSED
Mixture	CUTOFF
Avionics Master	OFF
Ignition Switch	OFF
Electrical Equip	OFF
Master Switch	ON
Flaps	EXTENDED
Fuel Quantity	CHKD
Over Voltage Light	CHKD
BCN	ON/CHKD
Master Switch	OFF
POH/AROW	CHKD
EMPENNAGE	
Gust Lock	REMOVED
Tie-down	REMOVED
Control Surfaces	CHKD
Antennas	CHKD
R WING	
Control Surfaces	CHKD
Wingtip	CHKD
Tie-down/Chocks	REMOVED
Tire/Brakes	CHKD
Fuel Drain	SAMPLE/CLEAR
Fuel Quant.	CHKD/CAP SEC
NOSE	
Oil Quant (6 qts min)	CHKD
Fuel Strainer	SAMPLE/CLEAR
Tire/Strut	CHKD
Prop/Spinner	CHKD
Intake/Air Filter	CHKD
Static Port	CHKD
L WING	
Fuel Quant.	CHKD/CAP SEC
Pitot Tube	CHKD
Fuel Vent	CHKD
Stall Warning	CHKD
Wingtip	CHKD
Control Surfaces	CHKD
Tie-down	REMOVED
Tire/Brakes	CHKD
Fuel Drain	SAMPLE/CLEAR

Before Start

Seats/Belts/Harness	FSTN/ADJ
Avionics Master	OFF
Circuit Breakers	CHKD
Electrical Equip	OFF
Fuel Selector	BOTH

Start

Key	READY
Fuel Selector	BOTH
Carb Heat	OFF
Throttle	OPEN ½"
Mixture	RICH
Master Switch	ON
BCN	ON
Brakes	APPLIED
Prime	1-3 STKS
Propeller Area	CLEAR
- START -	
Throttle	1000 RPM
Oil Pressure	CHKD

Abnormal Starts

FLOODED START:	
Throttle	FULL OPEN
Mixture	CUTOFF
Master Switch	ON
- START -	
Mixture	RICH
Throttle	RETARD
Hot Start:	DO NOT PRIME

Before Taxi

Radio Master	ON
Radios	SET
ATIS	COPIED
Att/Head/Alt	SET/XCHKD
GPS	ON
Flaps	UP
Taxi/Nav Lights	AS RQD

Taxi

Brakes	TESTED
Instrument Checks	COMPLETE

ATIS 134.15 GND 121.75 TWR 127.9 App E/W 120.7/118.2 BVS 123.075

Engine Run-up

Doors/Windows	CLOSED/LTCH
Controls	FREE/CORRECT
Mixture	RICH
Brakes	APPLIED
Throttle	1800 RPM
Eng Inst	CHK
Carb Ht	CHK
Magnetos	CHK
Ammeter	CHK
Suction Gauge	CHK
Throttle (Idle then)	1000 RPM

Magneto Burn-Out

Throttle	1700RPM
Ignition	BOTH
Mixture	LEAN
<i>Wait 1 Minute:</i>	
Mixture	RICH
Magnetos	CHKD

Before Takeoff

Departure Brief	
RWY Direction	Vr = 55
Obstructions	Vx = 60
Engine Failure Mg=65	Vy = 76
Trim	SET
Carb Ht	OFF
Mixture	RICH
Primer	IN/LOCKED
Flaps	UP
Radio/Transponder	SET
Attitude Indicator	SET
Heading Indicator	SET
Altimeter	SET/XCHKD
<i>When cleared for takeoff:</i>	
Landing Light	ON
Transponder	ALT
Pitot Heat	AS REQD

After Takeoff

Flaps	CHECK UP
Airspeed	75-85

Cruise

Power	2400/As Desired
Mixture	SET
<i>Lean above 5000' MSL</i>	<i>Do not exceed 2700rpm with powerflow exhaust</i>

Six Configurations

	Power	Pitch	Airspeed	Flaps	VSI
Climb	Full	+5	90	Up	+500
Cruise	2400	0	110	Up	0
Cruise Descent	2300	-3	100	Up	-300
Approach	2200	+1	90	Up	0
App Descent	1600	-3	90	Up	-500
NP App Descent	1300	-5	90	Up	-800

InRange(25)'A MICE ATM'

ATIS/Altimeter	WX CHKD/SET
Mkr bcn/ID nav aids	ON/SET/ID
Course/Entry	SET/PLANNED
Altitudes/Times(MAP)	Reviewed/SET
Missed App Proc	BRIEFED

Before Landing 'BCGUMPS'

Boost Pump	Not Applicable
Carb Heat	ON
Gas Fuel Selector	BOTH/CHK LVL
Undercarriage	DOWN/LOCKED
Mixture	RICH
Prop	FULL FWD
Spotlight	LND LT ON

After Landing

Carb Ht	OFF
Flaps	UP
Transponder	STBY
Landing Light	AS REQ
Pitot Heat	OFF

Shutdown 'MMM'

Brakes	APPLIED
Throttle	1500 RPM
Electrical Equip	OFF
BCN	ON
Avionics Master	OFF
Throttle (after 15 sec)	IDLE
Mixture	CUTOFF
Master Switch	OFF
Magneto Switches	OFF
<i>After fueling:</i>	
Controls	LOCKED
Tie Downs	SECURED

WINFC C172 Emergency Procedures

Engine Failure

Airspeed	65kts AND TRIM
Landing Site	LOC/TURN TO
Altitude Permitting	(get 'MIF'ed)
Mixture	RICH
Ignition	BOTH
Fuel Selector	BOTH
Carb Heat	ON
Primer	IN/LOCKED
<i>If Engine Fails to Restart:</i>	
Seat Belts/Harn	FASTEND
Squawk	7700
Radio	121.5 MADAY
Doors	UNLATCHED
Engine Secure:	
Mixture	CUTOFF
Ignition	OFF
Fuel Selector	OFF
Flaps	FULL DOWN
Master Switch	OFF

Ditching

Squawk	7700
Radio	121.5 MADAY
Drop	HEAVY ITEMS
Seat Belts/Harn	FASTEND
Doors	UNLATCH
Glide	65 KIAS
Flaps	30° 300FPM

Eng Fire On Start

Starter	CRANK
<i>If Engine Starts:</i>	
Power	1700 RPM
Engine	SECURE
<i>If No Start:</i>	
Starter	CONT CRANK
Engine Secure	
Master Switch	OFF
Ignition	OFF
Fuel Selector	OFF

Electrical Fire

Master Switch	OFF
Cabin Vents/Heat/Air	OFF

Engine Fire

Mixture	CUTOFF
Fuel Selector	OFF
Master Switch	OFF
Cabin Heat/Air	OFF
Dive to Extinguish	100 KIAS
Execute Eng Failure	Procedures

Wing Fire

Nav Lights	OFF
Pitot Heat	OFF
Slip Away From Fire	
<i>If fire does not go out:</i>	
Emergency Descent	PERFORM

Cabin Fire

Master Switch	OFF
Cabin Vents/Heat/Air	OFF
<i>If fire does not go out:</i>	
Emergency Descent	PERFORM

Icing Encounter

Change Direction/Alt.	
Pitot Heat	ON
Cabin Heat/Defrost	ON
Power	INCR
<i>Land ASAP</i>	
Flaps	UP
Approach Airspeed	FAST > 70KIAS

Spin Recovery

Throttle	IDLE
Ailerons	NEUTRAL
Rudder	FULL OPP DIR
Control Wheel	FULL FWD
<i>When Rotation Stops:</i>	
Rudder	NEUTRAL
Return to Level Flight	

Turbulence Encounter

Airspeed	< 97 KIAS
Seat Belts/Harn	TIGHTEN
Loose Items	SECURE

Engine Roughness

Throttle	FULL OPEN
Carb Heat	ON
Mixture	ADJ

Emergency Descent

Throttle	IDLE
Mixture	RICH
Carb Heat	ON
Angle Of Bank	45°
Airspeed	< 97 KIAS

Sudden Engine Misfire

Ignition	SWITCH MAGS
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High Oil Temp

Note Oil Pressure
Land ASAP

Low Oil Pressure

Land ASAP
If Rise In Temp:
Power REDUCE
Execute Force Landing
Anticipate Eng Failure

Ammeter Full Chrg

Alt Switch	OFF
Electrical Load	REDUCE

Land ASAP

Over Voltage Light

Avionics Master	OFF
Master Switch	OFF
Master Switch	ON

If Light Still On:
Alt Switch OFF
Nonessential Equip OFF
Land ASAP

Loss Of Elev Control

Airspeed	60 KIAS
Flaps	20°

Use Trim For A/S
Power For Altitude
Trim Full Nose Up At Flare

Aborted Takeoff

Throttle	IDLE
Brakes	APPLY
Flaps	UP

If Leaving Runway:
Mixture CUTOFF
Fuel Selector OFF
Ignition OFF
Master Switch OFF