

WINFC Cessna 172 – N9730H

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 = 64
Engine Failure Mg=65	Vy = 78
Trim	SET
Carb Ht	OFF
Mixture	RICH
Primer	IN/LOCKED
Flaps	SET
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	UP
Airspeed	SET

Cruise	
Power	2300
Mixture	SET
<i>Lean above 5000' MSL</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

In Range (25 NM)	
Carb Heat	AS RQD
Seats/Belts/Harn	FSTN/ADJ
Fuel Selector	BOTH
Mixture	RICH
App Brief/Weather	COMPLT/CHKD
Altimeter	SET

Before Landing 'BCGUMPS'	
Boost Pump	Not Applicable
Carb Heat	ON
Gas Fuel Selector	BOTH
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

Fuel Selector BOTH
Mixture RICH
Carb Heat ON
Primer IN/LOCKED
Ignition BOTH

If Engine Fails to Restart:

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
If Engine Starts:
Power 1700 RPM
Engine SECURE
If No Start:
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
If fire does not go out:
Emergency Descent PERFORM

Cabin Fire

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

Icing Encounter

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

Spin Recovery

Throttle IDLE
Ailerons NEUTRAL
Rudder FULL OPP DIR
Control Wheel FULL FWD
When Rotation Stops:
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

Sudden Engine Misfire	
Ignition	SWITCH MAGS

High Oil Temp	
Note Oil Pressure	
Land ASAP	

Low Oil Pressure	
Land ASAP	
<i>If Rise In Temp:</i>	
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
<i>If Light Still On:</i>	
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

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

Aborted Takeoff	
Throttle	IDLE
Brakes	APPLY
Flaps	UP
<i>If Leaving Runway:</i>	
Mixture	CUTOFF
Fuel Selector	OFF
Ignition	OFF
Master Switch	OFF