

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	SAMPLED
Fuel Quant.	CHKD/CAP SEC
NOSE	
Oil Quant (6 qts min)	CHKD
Fuel Strainer	SAMPLED
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	SAMPLED

Pre Start

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

Start

Carb Ht	OFF
Throttle	OPEN ½"
Mixture	RICH
Prime	1-3 STKS
Master Switch	ON
BCN	ON
Brakes	APPLIED
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

Pre Taxi

Radio Master	ON
Radios	SET
ATIS	COPIED
Attitude/Heading	SET
Altimeter	SET/XCHKD
GPS	ON
Flaps	UP
Taxi/Nav Lights	AS RQD

Taxi

Brakes	TESTED
Turn Coordinator	CHKD

Engine Run-up

Doors/Windows	CLOSED
Controls	FREE/CORRECT
Mixture	RICH
Brakes	APPLIED
Throttle	1700 RPM
Eng Inst	CHK
Carb Ht	CHK
Magnetos	CHK
Ammeter	CHK
Suction Gauge	CHK
Throttle	1000 RPM

Magneto Burn-Out

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

Before Takeoff

Departure Brief	
RWY Direction	
Obstructions	
Vr=55 Vx=64 Vy=78	
Engine Failure Mg=65	
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

Climb

Flaps	UP
Airspeed	

Cruise

Power	2300
Mixture	SET
<i>Lean above 3000' MSL</i>	

Cruise Power Settings

	75%			65%	
PA	RPM	TAS	RPM	TAS	
SL	2450	114	2320	107	
2000	2500	116	2370	109	
4000	2550	118	2420	111	
6000	2600	120	2470	113	

Descent

Carb Ht	AS RQD
Seats/Belts/Harn	FSTN/ADJ
Fuel Selector	BOTH
Mixture	RICH
Destination Weather	CHKD
Altimeter	SET

Landing

Fuel Selector	BOTH
Mixture	RICH
Carb Ht	ON
Landing Light	ON
Primer	IN/LOCKED

After Landing

Carb Ht	OFF
Flaps	UP
Transponder	STBY
Landing Light	AS REQ

Shutdown

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

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

Engine Fire

Mixture CUTOFF
Fuel Selector OFF
Master Switch OFF
Cabin Heat/Air OFF
Airspeed 100 KIAS
Execute End Failure Procedures

Wing Fire

Nav Lights OFF
Pitot Heat OFF
Slip Away From Fire

Cabin Fire

Master Switch OFF
Cabin Vents/Heat/Air OFF

Icing Encounter

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

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

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

Electrical Fire

Master Switch OFF
Cabin Vents/Heat/Air OFF

Engine Roughness

Throttle	FULL OPEN
Carb Heat	ON
Mixture	ADJ

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

Emergency Descent

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

Aborted Takeoff

Throttle	IDLE
Brakes	APPLY
Flaps	UP

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