

# Cessna 172 - PREFLIGHT

## Preflight Inspection Cockpit

Aircraft + Pilot Docs	Check
Control wheel Lock	Remove
Ignition	OFF
Master Switch	ON
Fuel Quantity Indicators	Check
Beacon	Check
Landing Lights	Check
Master Switch	OFF
Fuel Shutoff Valve	ON
Fuel Tank Sump Left Wing	Sample
Fuel Tank Sump Right Wing	Sample

## Fuselage

Surfaces	Control
Tank Caps	Secure
Elevator	Free + Secure
Tail Tie-Down	Disconnect

## Right Wing

Aileron	Free + Secure
Flaps	Secure
Wing Tie-Down	Disconnect
Main Wheel Tyre	Inflated
Brakes	Not Leaking

## Nose

Rivets/Screws	Check
Fuel Strainer	Sample
Engine Oil Level	Check
Propeller + Spinner	Check
Alternator Belt	Check
Air Intake	Check
Carburetor Air Ailter	Check
Nose Wheel Strut + Tyre	Check
Static Port	Check

## Left Wing

Main Wheel Tyre	Inflated
Brakes	Not leaking
Wing Tie-Down	Disconnect
Pitot Tube	Uncover + Check
Stall Warning	Check
Fuel Tank Vent Opening	Check
Aileron	Free + Secure
Flaps	Secure

## Before Starting Engine

Preflight Inspection	Complete
Seats + Belts	Adjust + Lock
Fuel Shutoff Valve	ON
Radios + Elctr.	OFF
Brakes	Test + Set
Circuit Brakers	In
CellPhones	OFF

## Starting Engine

Mixture	RICH (IN)
Carb Heat	COLD (IN)
Primer	As req. + Locked
Throttle	Open 7 mm
Propeller Area	CLEAR
Master Switch	ON
Beacon	ON
Ignition	START
Throttle	Adjust 900 rpm
Oil Pressure	Check Normal
Amps	Loading
Suction	Check Normal
Avionics	ON
XPDR	Standby

## Before Takeoff

Parking Brake	SET
Cabin Doors	CLOSE + LATCH
Flight Controls	Free + Correct
Instruments	SET
Fuel Shutoff Valve	ON
Mixture	RICH (IN)
Trim	SET
Throttle	1700 rpm
Magnetos	Check
Suction	Check
Instruments	Check
AmpMeter	Check
Carb Heat	Check
Throttle	IDLE - Check
Radios	SET
Beacon/Lights	ON
Throttle Friction Lock	Adjust
Brakes	TEST

# Cessna 172 - EMERGENCY

## Engine Failure

### TAKEOFF

Throttle	IDLE
Brakes	Apply
Flaps	UP
Mixture	IDLE Cut-Off
Ignition	OFF
Master Switch	OFF

### AFTER TAKEOFF

Airspeed	65/70 KIAS
Mixture	IDLE Cut-Off
Fuel Shutoff Valve	OFF
Ignition	OFF
Flaps	As Required
Master Switch	OFF

### DURING FLIGHT

Airspeed	65/70 KIAS
Carb Heat	ON
Primer	IN + Locked
Fuel Shutoff Valve	ON
Mixture	RICH
Ignition	BOTH (or START)
Airspeed	65/70 KIAS (Flaps)
Mixture	Cut-Off
Fuel Shutoff Valve	OFF
Ignition	OFF
Flaps	As Required
Mayday	Transmit 121.5
Master Switch	OFF
Doors	Unlatch
Touchdown	Tail Low

## Carburetor Icing

Throttle	FULL
Carb Heat	ON (OUT)
Mixture	Adjust

## Engine Roughness

Magnetos	Check
Mixture	Lean as Required

## Engine Fire during Start

Crank	Continue
Power	1700 rpm
Engine	Shutdown + Inspect

## Engine Fire during Flight

Mixture	IDLE Cut-Off
Fuel Shutoff Valve	OFF
Master Switch	OFF
Cabin Air	OFF
Airspeed	90 KIAS

## Electrical Failure

AmpMeter	Verify
Alternator	OFF
Reduce Load to Minimum	
Breaker/Alt	Chek + Reset
Alternator	ON
IF STILL NO POWER:	
Alternator	OFF
Reduce Load and Land	

## Electrical Overload

Master Switch	OFF
Master Switch	ON
Over Voltage Light	OFF
or TERMINATE Flight ASAP	

## Spin Recovery

Ailerons	NEUTRAL
Throttle	IDLE
Rudder	Full Opposite
Control Wheel	Full Forward
Rudder	NEUTRAL
Pitch	Level

