

CESSNA 172M SKYHAWK FLIGHT CHECKLIST

PREFLIGHT	RUNUP	CRUISE
DOCUMENTS.....ARROW	PARKING BRAKE.....SET	POWER.....55-75%
TACH/HOBBS.....NOTE	FLIGHT INSTRUMENTS.....CHECK/SET	CARBURETOR HEAT.....COLD
CONTROL LOCK.....OUT	FUEL SELECTOR.....BOTH	MIXTURE.....AS REQUIRED
EMERGENCY EQUIPT.....CHECK	FLIGHT CONTROLS.....FREE & CORRECT	ELEVATOR TRIM.....SET
MAGNETOS.....OFF	MIXTURE.....RICH (BLO 3000 FT)	DESCENT
ALTERNATE STATIC.....CLOSED	THROTTLE.....1700 RPM	MIXTURE.....RICH
CIRCUIT BREAKERS.....IN	ENGINE INSTRUMENTS.....GREEN	WEATHER.....OBTAIN
ELECTRICAL EQUIP.....OFF	AMMETER.....CHECK	LANDING LIGHT.....ON
BAT/ALT MASTERS.....ON	MAG TEST.....150 RPM MAX DROP; 50RPM DIFFERENTIAL	BEFORE LANDING
FUEL QUANTITY.....CHECK	CARBURETOR HEAT.....CHECK & OFF	APPROACH.....BRIEFED
FLAPS.....DOWN	ALTERNATE STATIC.....NORMAL	SEATS/BELTS.....SECURE
LIGHTS/PITOT HEAT.....CHECK	CIRCUIT BREAKERS.....IN	FUEL SELECTOR.....BOTH
BAT/ALT MASTERS.....OFF	VACUUM..... 4.6 TO 5.4 IN Hg	MIXTURE.....RICH (BLO 3000 FT)
EXTERIOR INSPECTION.....COMPLETE	THROTTLE.....IDLE, THEN 800 - 1000	CARBURETOR HEAT.....AS REQUIRED
OIL..... 6 QTS MIN	FRICTION LOCK.....ADJUST	FINAL APP SPEED..... 65-75 MPH
TIRES (NOSE/MAINS).....CHECK	PARKING BRAKE.....RELEASE	BALKED LANDING
NOSE STRUT.....CHECK	TAKEOFF	THROTTLE.....FULL
BEFORE START	AVIONICS.....SET	CARBURETOR HEAT.....COLD
PREFLIGHT.....COMPLETE	TRANSPONDER CODE.....SET	RATE OF CLIMB.....POSITIVE
TIEDOWNS/CHOCKS.....OUT	TRANSPONDER MODE.....ALT	FLAPS.....RETRACT TO 20°
SEAT/BELTS.....SECURE	TAKEOFF.....BRIEFED	AIRSPEED..... 74 MPH
FUEL SELECTOR.....BOTH	EMERGENCY PROC.....BRIEFED	After obstacles are cleared...
AVIONICS MASTER.....OFF	ELEVATOR TRIM.....TAKEOFF	AIRSPEED..... 80 MPH
ELECTRICAL EQUIP.....OFF	FLAPS.....UP/10°	FLAPS.....UP AT SAFE ALT
CIRCUIT BREAKERS.....IN	DOORS/WINDOWS.....LATCHED	AFTER LANDING
PARKING BRAKE.....SET	LIGHTS.....AS REQUIRED	RADIO CALL.....CLEAR OF RUNWAY
PASSENGERS.....BRIEF	PITOT HEAT.....AS REQUIRED	PITOT HEAT.....OFF
START	MIXTURE.....RICH(BLO3000 FT)	CARBURETOR HEAT.....COLD
BAT/ALT MASTERS.....ON	THROTTLE.....FULL	THROTTLE.....800 TO 1000 RPM
BEACON.....ON	ROTATE..... 60 MPH	FLAPS.....UP
MIXTURE.....RICH	FLAPS.....RETRACT SLOWLY	LIGHTS.....AS REQUIRED
PRIME.....0 TO 3 STROKES	CLIMB	XPDR.....SBY
THROTTLE.....1/8 INCH	Vx..... 74 MPH	MIXTURE.....LEAN MAX RPM
PROP AREA.....CLEAR	Vy..... 80 MPH	TRIM.....SET
MAGNETOS.....START	THROTTLE.....FULL	SHUTDOWN
THROTTLE.....800 - 1000 RPM	CARBURETOR HEAT.....COLD	AVIONICS MASTER.....OFF
OIL PRESSURE.....CHECK	MIXTURE.....LEAN(ABV 3000)	ELECT EQUIP.....OFF
AVIONICS MASTER.....ON	FUEL SELECTOR.....BOTH	BEACON.....ON
LIGHTS.....AS REQUIRED	LIGHTS.....AS REQUIRED	MIXTURE.....OFF
FLAPS.....UP	KVPZ FREQUENCIES	MAGNETOS & KEYS.....OFF/OUT
TRANSPONDER.....STBY	AWOS.....125.87.....219-531-1770	BAT/ALT MASTERS.....OFF
WEATHER.....OBTAIN	CTAF/UNICOM.....122.72	TIEDOWNS/CHOCKS.....INSTALL
PARKING BRAKE.....OFF	SOUTH BEND CLNC.....120.52	
BRAKES.....CHECK	SOUTH BEND APP.....132.05	
GYROS.....TAXI CHECK	KNOX VOR (OXI).....115.6	
	TERMINAL.....219-462-6508	

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C-172M EMERGENCY PROCEDURES

ENGINE FIRE DURING FLIGHT

MIXTURE.....IDLE CUTOFF
FUEL SELECTOR.....OFF
ALT & BAT MASTERS.....OFF
CABIN HEAT & AIR.....OFF
OVERHEAD VENTS.....OPEN
AIRSPEEDS.....115 MPH or MORE
LAND.....IMMEDIATELY

LOW VOLTAGE LIGHT ILLUMINATES

Ammeter Indicates Discharge

AVIONICS MASTER.....OFF
ALTERNATOR CB(ALT FLD)....CHECK IN
ALT & BAT MASTERS.....OFF
ALT & BAT MASTERS.....ON
LOW VOLTS LIGHT.....CHECK OFF
AVIONICS MASTER.....ON
VOLTS illuminates again....

ALT MASTER.....OFF
ELECTRICAL LOAD.....REDUCE
DIVERT.....NRST ALTERNATE

AMMETER SHOWS EXCESSIVE CHARGE

ALTERNATOR MASTER.....OFF
ELECTRICAL LOAD.....REDUCE
DIVERT.....NRST ALTERNATE

V-SPEEDS

BEST GLIDE.....75 MPH
Vso.....41 MPH
Vs1.....47 MPH
Vr.....60 MPH
Vx.....74 MPH
Vy.....80 MPH
Va.....112 MPH
Vfe.....100 MPH
Vno.....145 MPH
Vne.....182 MPH
Enroute Climb.....80 MPH

Approach Speed.....70 MPH
This checklist is for training purposes only!
Please refer to POH for more complete
information.

ENGINE FAILURE IN FLIGHT

TURN TOWARDS SAFE TERRAIN
AIRSPEED.....75 MPH
BEST LANDING SPOT.....SELECT
CARBURATOR HEAT.....ON
FUEL SELECTOR.....BOTH
MIXTURE.....RICH
PRIMER.....IN & LOCKED

MAGNETOS.....BOTH or START
If engine does not start, advance
throttle slowly from idle until a start is
obtained.....If no start...

MIXTURE.....LEAN

Declare Emergency

SQUAWK.....7700
COMMUNICATE.....ON 121.5

EMERGENCY LANDING IN FLIGHT

SEATS/BELTS.....SECURE
AIRSPEED

0° - 10°.....75 MPH
10° - FULL.....70 MPH
MIXTURE.....IDLE CUTOFF

FUEL SELECTOR.....OFF
MAGNETOS.....OFF
FLAPS.....AS REQUIRED
ALT & BAT MASTERS.....OFF
DOORS.....PROP OPEN

CABIN/ELECT FIRE INFLIGHT

EMERG DESCENT.....INITATE
ALT & BAT MASTERS.....OFF
CABIN HEAT/DEFROST.....OFF
WINDOW.....CLOSED
AVIONICS MASTER.....OFF
ELECT EQUIP.....OFF
If fire is completely extinguished...
EMERG DESCENT.....TERMINATE
WINDOWS.....OPEN
DIVERT.....NRST ALTERNATE
If fire is NOT extinguished,land
immediately