



## CESSNA 172SP NAV III CESSNA SKYHAWK NORMAL CHECKLISTS

### PREFLIGHT: CABIN

REGISTRATION/AIRWORTHINESS CERTIFICATE .....	CHECK
POH .....	ACCESSIBLE TO PILOT
WEIGHT AND BALANCE.....	CHECK/COMPLETE
COCKPIT REFERENCE GUIDE .....	ACCESSIBLE TO PILOT
CONTROL WHEEL LOCK .....	REMOVE
MASTER .....	OFF
MAGS.....	OFF
BEACON .....	ON
AVIONICS .....	OFF
THROTTLE .....	IDLE
MIXTURE.....	IDLE
FLAPS .....	UP
FUEL SELECTOR.....	BOTH
FUEL SHUTOFF VALVE .....	IN
TRIM .....	T/O
ALTERNATE STATIC .....	TEST
HOBBS & TACH .....	RECORD
STANDBY BATTERY .....	TEST/ON
PFD .....	ON
STANDBY BATTERY .....	OFF
MASTER .....	ON
AVIONICS BUS 1.....	ON
AVIONICS COOLING FAN .....	CHECK
AVIONICS BUS 1.....	OFF
AVIONICS BUS 2.....	ON
AVIONICS COOLING FAN .....	CHECK
AVIONICS BUS 2.....	OFF
PFD .....	ON
FLAPS .....	DOWN
FUEL GUAGES .....	CHECK
ANNUCIATOR PANEL .....	TEST

## PREFLIGHT: CABIN (CONTINUED)

LIGHTS .....	TEST
PARKING BREAK .....	SET
360 WALKAROUND.....	COMPLETE
MASTER .....	OFF

## EMPENAGE

WINDOWS.....	CLEAN
BAGGAGE DOOR.....	CLOSED
STATIC PORT (AUTOPilot).....	CLEAR
ELEVATOR/HORIZONTAL STABILIZER.....	INSPECT
GROUNDING WIRES.....	INSPECT
COUNTER WEIGHT .....	INSPECT
STATIC WICKS.....	INSPECT
TAIL & TIEDOWN & HOOK.....	REMOVED
RUDDER/VERTICAL STAB .....	INSPECT
STATIC WICK.....	INSPECT
TRIM TAB .....	INSPECT
LIGHTS .....	INSPECT
VOR ANTENNA (2) .....	INSPECT
ELEVATOR TRIM TAB .....	INSPECT
STATIC WICK.....	INSPECT
ELT ANTENNA .....	INSPECT
WINDOWS.....	CLEAN

## RIGHT WING

COMM ANTENNA .....	INSPECT
FLAP .....	INSPECT
AILERON .....	INSPECT
COUNTER WEIGHTS .....	INSPECT
WINGTIP .....	INSPECT
LIGHTS .....	INSPECT
LEADING EDGE .....	INSPECT
TIEDOWN .....	REMOVED
STRUT .....	INSPECT
SUMP (5) .....	DRAIN
TIRE (ROLL BACK).....	INSPECT
BRAKES .....	INSPECT
WINDOWS.....	INSPECT
VENTS .....	INSPECT
FUEL QUANTITY.....	INSPECT
FUEL FILLER CAP .....	SECURE
TOP WING .....	INSPECT

## NOSE

OIL QUANTITY .....	CHECK/6+ QUARTS
WINDSCREEN .....	INSPECT
CABIN AIR INTAKE .....	INSPECT
SUMPS (3) .....	DRAIN
NOSE STRUT .....	INSPECT
TIRE (ROLL BACK).....	INSPECT
ENGINE COOLING INLETS .....	INSPECT
ALTERNATOR BELT.....	INSPECT
PROP/SPINNER.....	INSPECT
INTAKE/AIR FILTER .....	INSPECT
COWLING .....	INSPECT
STATIC PORT .....	INSPECT

## LEFT WING

VENTS .....	INSPECT
FUEL QUANTITY.....	INSPECT
FUEL FILLER CAP .....	SECURE
WING TOP .....	INSPECT
PITOT TUBE .....	INSPECT
STRUT .....	INSPECT
STALL VENT .....	INSPECT
FUEL TANK VENT .....	INSPECT
TIE DOWN .....	REMOVE
LEADING EDGE .....	INSPECT
LAND/TAXI LIGHT .....	INSPECT
WINGTIP .....	INSPECT
STROBE/NAV.....	INSPECT
AILERON.....	INSPECT
COUNTER WEIGHT.....	INSPECT
STATIC WICK.....	INSPECT
FLAP.....	INSPECT
FUEL SUMPS (5).....	DRAIN
TIRE (ROLL BACK).....	INSPECT
BRAKE .....	INSPECT
WINDOWS.....	INSPECT

## ENGINE START

PREFLIGHT.....	COMPLETE
PASSENGER/CREW BRIEFING .....	COMPLETE
SEATBELTS.....	ON
SEATS.....	SET/LOCKED
FUEL SELECTOR.....	BOTH
FUEL SHUTOFF VALVE .....	IN
MIXTURE.....	RICH
THROTTLE .....	1/4 INCH OPEN
AVIONICS .....	OFF
CIRCUIT BREAKERS .....	IN
BEACON .....	ON
PARKING BRAKE .....	SET
PROP AREA.....	CLEAR
STANDBY BATTERY .....	ON
MASTER .....	ON
FUEL PUMP .....	PRIME
MIXTURE.....	IDLE CUTOFF
STARTER.....	ENGAGE
THROTTLE .....	1000 RPM
OIL PRESSURE.....	CHECK
ENGINE INSTRUMENTS .....	CHECK
ANNUCIATOR PANEL .....	CHECK
LIGHTS .....	AS REQUIRED
MIXTURE .....	LEAN

# TAXI

AVIONICS .....	ON
ATIS .....	RECEIVE
CLEARANCE .....	OBTAIN
ELECTRIC TRIM .....	TEST
AUTOPILOT .....	OFF
FLIGHT INSTRUMENTS .....	CHECK
INSTRUMENT/ICC .....	COMPLETE
TRANSPONDER .....	STANDBY
FLAPS .....	UP
PARKING BRAKE .....	RELEASE
BRAKES .....	CHECK

# RUN UP

PARKING BRAKE .....	SET
FLIGHT CONTROLS .....	FREE AND CORRECT
FUEL QUANTITY .....	CHECK
ENGINE INSTRUMENTS .....	CHECK
FUEL PUMP .....	TEST
MIXTURE .....	RICH
TRIM .....	TAKEOFF
FUEL SELECTOR .....	BOTH
THROTTLE .....	1800 RPM
ENGINE INSTRUMENTS .....	CHECK
AMMETER .....	CHECK
MAGS .....	CHECK
THROTTLE .....	IDLE
THROTTLE .....	1000 RPM
MIXTURE .....	LEAN
MAGS .....	CHECK BOTH

## TAKEOFF

PRE T/O BRIEF .....	COMPLETE
SEATBELTS.....	VERIFY ON
WINDOWS/DOORS.....	CLOSED AND LATCHED
FUEL SELECTOR.....	BOTH
TRIM .....	SET FOR TAKEOFF
COMMS, NAVS, FLIGHT INSTRUMENTS.....	SET
T/O CLEARNACE .....	OBTAIN
PARKING BRAKE .....	RELEASE
LIGHTS .....	ON
MIXTURE.....	FULL RICH
FLAPS .....	SET
TRANSPOUNDER.....	ALT
500 FT .....	85 KTS

## CLIMB 1000 FT

LIGHTS .....	AS NEEDED
MIXTURE.....	LEAN TO TOP OF GREEN ARC
FLAPS .....	UP

## CRUISE

LIGHTS .....	OFF
POWER.....	SET
MIXTURE.....	LEAN

## BEFORE LANDING/DESCENT

SEAT BELTS.....	ON
APPROACH BRIEF.....	COMPLETE
ATIS .....	OBTAIN
LIGHTS .....	ON
THROTTLE .....	100 KTS
MIXTURE.....	FULL RICH
FUEL SELECTOR.....	BOTH
SHUTOFF VALVE .....	CLOSED

## AFTER LANDING

LIGHTS .....	AS REQUIRED
THROTTLE .....	1000
MIXTURE.....	LEAN
FLAPS .....	UP
TRANSPOUNDER.....	STANDBY
TRIM .....	SET FOR TAKEOFF

## SHUTDOWN

RAMP IN (122.9).....	COMPLETE
AVIONICS .....	OFF
THROTTLE .....	1000
MIXTURE.....	IDLE CUTOFF
THROTTLE .....	CLOSE
MAGS.....	OFF
LIGHTS .....	OFF
MASTER .....	OFF
STANDBY BATTERY .....	OFF

## SECURE

CONTROL LOCK.....	SET
HOBBS/TACH.....	RECORDED
CLEAN COCKPIT .....	VERIFIED
DOORS .....	SHUT/LOCKED
TIED DOWN.....	3-POINT
360 WALK AROUND .....	COMPLETE



**CESSNA 172SP NAV III  
CESSNA SKYHAWK  
EMERGENCY/ABNORMAL  
CHECKLISTS**

**ENGINE FAILURE BEFORE VR**

THROTTLES .....	IDLE
BRAKES .....	APPLY
WING FLAPS .....	RETRACT
MIXTURE .....	IDLE CUTOFF
IGNITION SWITCH.....	OFF
MASTER SWITCH .....	OFF
STANDBY BATTERY .....	OFF

**ENGINE FAILURE AFTER VR RWY REMAINING**

AIRSPEED .....	68 KIAS
MIXTURE.....	IDLE CUT-OFF
MAGS.....	OFF
FUEL SELECTOR.....	OFF
FUEL SHUTOFF VALVE .....	IN
FLAPS .....	AS REQUIRED
EMERGENCY.....	DECLARE
MASTER SWITCH .....	OFF
STANDBY BATTERY .....	OFF
CABIN DOOR .....	UNLATCH
LAND.....	STRAIGHT AHEAD
BRAKES .....	APPLY

## **ENGINE FAILURE NO RUNWAY REMAINING BELOW 500'**

AIRSPED ..... 68 KIAS  
BEST PLACE TO LAND ..... IDENTIFIED  
MIXTURE ..... IDLE CUT-OFF  
MAGS ..... OFF  
FUEL SELECTOR ..... OFF  
FLAPS ..... AS REQUIRED  
EMERGENCY ..... DECLARE  
MASTER SWITCH ..... OFF  
STANDBY BATTERY ..... OFF  
CABIN DOOR ..... UNLATCH  
LAND ..... STRAIGHT AHEAD

## **ENGINE FAILURE NO RWY REMAINING/ABOVE 500'**

AIRSPED ..... 68 KIAS  
BEST PLACE TO LAND ..... IDENTIFIED  
PRIMER ..... IN AND LOCKED  
MAGS ..... ON  
AUX FUEL PUMP ..... ON  
MIXTURE ..... RICH  
FUEL SELECTOR VALVE ..... BOTH  
FUEL SHUTOFF VALVE ..... IN  
MIXTURE ..... RICH  
MAGS ..... BOTH/START

### **IF ENGINE DOESN'T START:**

MIXTURE ..... IDLE CUT-OFF  
MAGS ..... OFF  
FUEL SELECTOR ..... OFF  
FUEL SHUTOFF VALVE ..... OUT  
FLAPS ..... AS REQUIRED  
EMERGENCY ..... DECLARE  
MASTER SWITCH ..... OFF  
STANDBY BATTERY ..... OFF  
CABIN DOOR ..... UNLATCH

## **EMERGENCY LANDINGS WITHOUT ENGINE POWER**

PASSENGER SEAT BACKS.....	UP
SEATS AND SEAT BELTS .....	SECURE
AIRSPEED .....	68 KIAS
MIXTURE .....	IDLE CUT-OFF
FUEL SELECTOR.....	OFF
FUEL SHUTOFF VALVE .....	OUT
FLAPS .....	AS REQUIRED (30 RECOMMENDED)
MASTER .....	OFF
STANDBY BATTERY .....	OFF
MAGS.....	OFF
DOORS .....	UNLATCH
TOUCHDOWN.....	SLIGHTLY TAIL LOW
BRAKES .....	APPLY HEAVILY

## **EMERGENCY LANDING WITH ENGINE POWER**

PASSENGER SEAT BACKS.....	UP
SEATS AND SEAT BELTS .....	SECURE
AIRSPEED .....	68 KIAS
FLAPS .....	AS REQUIRED
SELECTED FIELD .....	FLY OVER
AVIONICS MASTER SWITCH AND ELECTRICAL .....	OFF
MASTER SWITCH .....	OFF
DOORS .....	UNLATCHED PRIOR TO TOUCHDOWN
TOUCHDOWN.....	SLIGHTLY TAIL LOW
BRAKES .....	APPLY HEAVILY

## DITCHING

RADIO .....	TRANSMIT MAYDAY ON 121.5 MHZ
TRANSPONDER.....	7700
HEAVY OBJECTS.....	SECURE/JETTISON
SEAT BACKS.....	UP
SEATS AND SEAT BELTS.....	SECURE
FLAPS .....	FULL
POWER.....	ESTABLISH 300FT/MIN DESCENT AT 55 KIAS
HIGH WINDS/HEAVY SEAS .....	INTO WIND
LIGHT WINDS/HEAVY SWELLS .....	PARALLEL TO SWELLS
CABIN DOORS.....	UNLATCH
TOUCHDOWN.....	LEVEL ATTITUDE
FACE .....	CUSHION AT TOUCHDOWN
ELT .....	ACTIVATE
AIRPLANE.....	EVACUATE
LIFE RAFTS AND VESTS.....	INFLATE WHEN CLEAR OF A/C

## ENGINE FIRE DURING START ON GROUND

MAGS/STARTER.....	CONTINUE CRANKING
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IF ENGINE STARTS:

POWER.....	1800 RPM FOR A FEW MINUTES
FIRE EXTINGUISHER .....	OBTAİN
ENGINE .....	SHUTDOWN AND INSPECT FOR DAMAGE

IF ENGINE FAILS TO START:

THROTTLE .....	FULL OPEN
MIXTURE.....	IDLE CUTOFF
CRANKING.....	CONTINUE
FUEL SELECTOR.....	OFF
FUEL SHUTOFF VALVE .....	OUT
AUX FUEL PUMP SWITCH.....	OFF
FIRE EXTINGUISHER .....	OBTAİN
MASTER SWITCH .....	OFF
STANDBY BATTERY .....	OFF
MAGS.....	OFF
AIRPLANE.....	EVACUATE
FIRE.....	EXTINGUISH
FIRE DAMAGE.....	INSPECT

## ENGINE FIRE DURING FLIGHT

MIXTURE .....	IDLE CUT OFF
FUEL SELECTOR.....	OFF
FUEL SHUTOFF VALVE	
AUX FUEL PUMP SWITCH.....	OFF
MASTER SWITCH .....	OFF
STANDBY BATTERY .....	OFF
CABIN HEAT/AIR.....	OFF
AIRSPEED .....	100 KIAS
FORCED LANDING.....	EXECUTE
FIRE EXTINGUISHER .....	ACTIVATE AS REQUIRED

## ELECTRICAL FIRE IN FLIGHT

MASTER SWITCH .....	OFF
STANDBY BATTERY .....	OFF
VENTS, CABIN AIR, HEAT.....	CLOSED
FIRE EXTINGUISHER .....	ACTIVATE
AVIONICS MASTER SWITCH.....	OFF
ALL OTHER SWITCHES (EXCEPT MAGS) .....	OFF
VENTS/CABIN AIR/HEAT .....	OPEN
.....	WHEN FIRE IS COMPLETELY EXTINGUISHED
MASTER SWITCH .....	ON
CIRCUIT BREAKERS .....	CHECK FOR FAULTY CIRCUIT .....DO NOT RESET
RADIO SWITCHES.....	OFF
AVIONICS MASTER SWITCH.....	ON
RADIO/ELECTRICAL SWITCHES .....	ON, ONE AT A TIME
.....	WITH DELAY UNTIL SHORT CIRCUIT IS LOCALIZED

## CABIN FIRE

MASTER SWITCH .....	OFF
STANDBY BATTERY .....	OFF
VENTS/CABIN AIR/HEAT .....	CLOSED
FIRE EXTINGUISHER .....	ACTIVATE
VENTS/CABIN AIR/HEAT .....	OPEN
.....	WHEN FIRE IS COMPLETELY EXTINGUISHED
LAND.....	AS SOON AS POSSIBLE

## WING FIRE

LANDING/TAXI LIGHT SWITCHES .....	OFF
NAV LIGHTS.....	OFF
STROBE LIGHTS.....	OFF
PITOT HEAT .....	OFF
AIRSPEED .....	INCREASE
LAND.....	ASAP

## AMMETER EXCESSIVE

ALTERNATOR.....	OFF
ALTERNATOR CB.....	PULL OUT
ELECTRICAL LOAD .....	REDUCE
LAND.....	ASAP

## LOW VOLTAGE

AVIONICS .....	OFF
ALTERNATOR BREAKER .....	IN
MASTER .....	RECYCLE
LOW VOLTAGE ANNUNCIATOR .....	CHECK

IF ANNUNCIATOR COMES BACK ON:

ALTERNATOR.....	OFF
ELECTRICAL LOAD .....	REDUCE
LAND.....	ASAP

## RED X – PFD AIRSPEED INDICATOR

ADC/AHRS CIRCUIT BREAKERS .....	CHECK
STANBY AIRSPEED INDICATOR .....	USE

## RED X – PFD ALTITUDE INDICATOR

ADC/AHRS CIRCUIT BREAKERS .....	CHECK
STANBY ALTIMITER INDICATOR.....	USE

## RED X – PFD ATTITUDE INDICATOR

ADC/AHRS CIRCUIT BREAKERS .....	CHECK
STANBY ATTITUDE INDICATOR .....	USE

## **RED X – HSI**

ADC/AHRS CIRCUIT BREAKERS ..... CHECK  
COMPASS ..... USE

## **PFD 1 OR MFD1 COOLING ANNUNCIATOR(S)**

CABIN HEAT ..... OFF  
FORWARD AVIONICS FAN ..... CHECK  
STANDBY BATTERY ..... OFF

## **INADVERTENT ICING ENCOUNTER**

PITOT HEAT ..... ON  
TURN BACK OR CHANGE ALTITUDE  
DEFROSTER ..... ON  
THROTTLE ..... FULL  
BEST PRACTICAL LANDING SITE ..... IDENTIFIED  
FLAPS ..... UP  
WINDSHIED ..... CLEAN  
AIRSPEED ..... 90 KIAS  
LAND ..... LEVEL ATTITUDE

## V SPEEDS

VSO .....	40
VS .....	48
VX .....	62
VY .....	74
VFE 10 .....	110
VFE 10-30 .....	85
VNO .....	129
VNE .....	163
VA	
2550 LBS .....	105
2200 LBS .....	98
1900 .....	90
VWINDOW .....	158
MAX X-WIND .....	15

**THIS CHECKLIST IS NOT A SUBSTITUTE FOR THE AIRCRAFT'S PILOT OPERATING HANDBOOK.**