

C-172N CESSNA SKYHAWK CHECKLIST

EAST COAST AERO CLUB

PREFLIGHT

COCKPIT SAFETY CHECK

MagnetosOFF, KEY OUT
MixtureCUTOFF
ThrottleCLOSED

Hobbs & TachRECORD
Documents (A(R)ROW)CHECK
Flight controls lockREMOVE
Parking brake released.....AS REQUIRED
Avionics/Radios OFF
Electrical switches OFF
Master switches **PROP CLEAR** ON
Fuel gauges CHECK
Pitot heatON, CHECK, OFF
(Only if required)
Exterior lightsON, CHECK, OFF
FlapsEXTEND
Master switch OFF
Altimeter FIELD ELEVATION
Magnetic compass & deviation cardCHECK
Fuel selectorBOTH
Alternate static OFF
Fire extinguisherCHECK
Windows.....CHECK

EMPENNAGE

General Condition CHECK
Baggage door..... Un-locked & LATCHED
Tie down REMOVE
Elevator.....CHECK & CLEAR
Trim tab CHECK & CLEAR
Rudder CHECK & CLEAR
Antennas CHECK

RIGHT WING

General conditionCHECK & CLEAR
FlapCHECK
AileronCHECK
Wingtip CHECK
Tie down/chockREMOVE
Main gear & BrakesCHECK
Fuel tank sump..... DRAIN & NO DRIPS
Fuel tank & Quantity CHECK
Fuel cap & Vent CHECK
Fresh air inlet CHECK

NOSE

General condition & leaks CHECK
Fuel drain DRAIN & NO DRIPS
Oil (6 Qts) CHECK
Propeller & spinner CHECK
Alternator beltCHECK
Air inlets CHECK
Air filter CHECK
Nose gear & strut CHECK
Chock REMOVE
Static port CHECK

LEFT WING

General condition CHECK & CLEAR
Fresh air inlet CHECK
Stall horn CHECK
PitotCHECK
Tie down/chock REMOVE
Fuel tank sump.....DRAIN & NO DRIPS
Fuel tank vent CHECK
Fuel tank & Quantity CHECK
Fuel cap & Vent CHECK
Wingtip CHECK
Aileron CHECK
Flap CHECK
Main gear & Brakes CHECK

BEFORE ENGINE START

Tail Lock IN COCKPIT
Passenger briefing COMPLETE
Seats & seat belts SECURE
Circuit breakers CHECK
Electrical switches OFF
Avionics/Radio master OFF
Fuel selector BOTH
Brakes SET & HOLD

ENGINE START

Mixture RICH
Carb heat OFF
Throttle 1/8" OPEN
Master switches ON
Beacon ON
Primer if COLD...2-6 STROKES and LOCKED
PROPELLER AREACLEAR
Starter ENGAGE

Throttle800 RPM (No Higher Than 1000)
Oil pressure CHECK
Mixture LEAN

BEFORE TAXI

Flaps CHECK RETRACTED
Avionics/Radio master ON
Transponder (1200) ALT
Radios SET
ATIS CHECK
Flight instruments SET
Navigation..... SET
Radio CLNC, GROUND/CTAF
#2 Radio MONITOR 121.5
LightsAS APPROPRIATE

TAXI

Parking BrakeRELEASE
BrakesCHECK
Flight instrumentsCHECK

ENGINE RUNUP

Brakes SET & HOLD
Oil Temp IN THE GREEN
Fuel selector BOTH
Mixture (below 3000') RICH
Primer LOCKED
Throttle 1700 RPM
Mags (drop 125,diff 50)CHECK
Vacuum (4.6-5.4") CHECK
Engine indicatorsCHECK
Ammeters & voltmetersCHECK
LIGHTS, PITOT HEAT ON then OFF - FLAPS DOWN/UP
Carb heat (RPM drop - NO RISE).....ON
Carb heatOFF
Throttle (min 500 RPM) IDLE
Throttle 1000 RPM

BEFORE TAKEOFF

Pitot heat AS REQUIRED
Flight instruments CHECK
Trim TAKEOFF
Flight controls CHECK
FlapsNORMAL/SHORT 0°, SOFT 10°
Seats & seat belts SECURE
Doors & windows SECURE
Takeoff briefing COMPLETE
Radio TOWER/CTAF
Lights WHEN CLRD FOR TAKEOFF ... AS APPROPRIATE

FREQUENCIES

HANSCOM - KBED

ATIS124.6
GROUND121.7
TOWER118.5
BOS APP124.4
Signature (or 781-274-0010).....130.8

PRACTICE AREA - ALL123.5

NORWOOD - KOWD

ATIS119.95
GROUND121.8
TOWER126.0
BOS APP 120.6 / 124.1

EMERGENCY (GUARD)..... 121.5

NASHUA - KASH

ATIS125.1
GROUND121.8
TOWER133.2
BOS APP124.9

C-172N CESSNA SKYHAWK CHECKLIST

TAKEOFF

Carb heat COLD
Mixture (below 3000') RICH
Throttle FULL
Power 2270-2370 RPM = STATIC CHECK
Engine gauges CHECK
Airspeed CHECK
Rotate 52 KTS / 60 MPH

CLIMB

Flaps.....RETRACT AT SAFE SPEED (57 KTs)
Airspeed (cruise climb) 70-78 KTS /500'/MIN
80-90 MPH

CRUISE

PowerAS REQUIRED
Mixture.....LEAN AS REQUIRED

DESCENT

Carb heat AS REQUIRED
Power AS REQUIRED
MixtureAS REQUIRED/RICH
Seats & seat beltsUPRIGHT & SECURE

APPROACH & LANDING

Downwind 83 KTS / 95 MPH
Fuel selector BOTH
Mixture (below 3000') RICH
Carb heat FULL HEAT
Flaps
(**N733LF - 85 KTS / 98 MPH**).. AS REQUIRED
(**N488BA - 110 KTS / 126 MPH**) ..AS REQUIRED
Landing (0°) 64 KTS / 74 MPH
Landing (40°) 60 KTS / 69 MPH

AFTER LANDING

RPM 1000
Radio GROUND/CTAF
Carb heat COLD
Flaps RETRACT
Mixture LEAN
Lights AS REQUIRED
Pitot Heat OFF
Transponder 1200

SHUTDOWN

Call for fuel AS REQUIRED
Avionics/Radio master OFF
Throttle IDLE
Mixture CUTOFF

WHEN PROP STOPS

Magnetos..... OFF
KEY OUT / ON CONSOLE
Electrical switchesOFF
Beacon / Strobes LEAVE ON
Master switches OFF
Hobbs & tach RECORD
Flight control lock INSTALL
Fuel selector LEFT or RIGHT
Tie downs SECURE

SPEEDS

Vg (0°) 65 KTS / 75 MPH
glide distance approx 1 NM per 700'
Va (2000 lbs) 80 KTS / 92 MPH
Va (2300 lbs) 97 KTS / 112 MPH
Vfe (N733LF).....85 KTS / 98 MPH
Vfe (N488BA) 110 KTS / 126 MPH
Vy (0°, 0' MSL)73 KTS / 84 MPH
Vy (0°, 10,000' MSL) 68 KTS / 78 MPH
Vx (0°) 59 KTS / 68 MPH
Vs0 43 KTS / 49 MPH
Vs1 50 KTS / 57 MPH

AIRPLANE SPECS

Usable fuel 40g
Taxi fuel 1.0g
Climb fuel 11.5 GPH
Crosswind 15 KTS / 17 MPH
Maneuvers 2200 RPM/87 KTS/100 MPH
Cruise 3000'@71% 2500 RPM/123 MPH/107 KTS
Cruise GPH @ 71% (leaned) 7.7

EMERGENCY PROCEDURES

**NOTE: NOT ALL EMERGENCY PROCEDURES
ARE HERE**
Check POH for additional procedures

ENGINE FIRE DURING START

Starter CONTINUE CRANKING
2-3 MINUTES
Mixture CUTOFF

EAST COAST AERO CLUB

ThrottleOPEN
Fuel shutoff OFF
Magnetos OFF
Master switches OFF
Fire Extinguisher..... ACTIVATE

ENGINE POWER LOSS IN FLIGHT

Airspeed70 KTS / 80 MPH
Carb heat FULL HEAT
Mixture..... RICH
Fuel selector BOTH
Magnetos BOTH
Primer IN and LOCKED
Engine gauges CHECK

POWER OFF LANDING

Trim for best glide 65 KTS / 75 MPH
Landing area IDENTIFY
Radio MAYDAY
Transponder 7700
Final approach (40°) 60 KTS / 69 MPH
Mixture CUTOFF
Fuel shutoff OFF
Magnetos OFF
Master switches OFF
Seat beltsSECURE
Doors UNLATCH

ENGINE FIRE IN FLIGHT

Mixture CUTOFF
Fuel shutoff OFF
Throttle CLOSED
Master switches OFF
Airspeed to extinguish104 KTS / 120 MPH
Cabin heat & air OFF
Airspeed INCREASE TO EXTINGUISH
Land IMMEDIATELY

ELECTRICAL FIRE

Master switches OFF
Avionics/Radio master OFF
Vents, cabin heat & air CLOSED
Fire extinguisher AS NECESSARY
Electrical switchesOFF
Vents (when fire extinguished) OPEN
LandAS SOON AS PRACTICAL

FREQUENCIES

HANSCOM - KBED

ATIS124.6
GROUND121.7
TOWER118.5
BOS APP124.4
Signature (or 781-274-0010).....130.8

PRACTICE AREA - ALL123.5

NORWOOD - KOWD

ATIS119.95
GROUND121.8
TOWER126.0
BOS APP 120.6 / 124.1

EMERGENCY (GUARD)..... 121.5

NASHUA - KASH

ATIS125.1
GROUND121.8
TOWER133.2
BOS APP124.9