

Cessna 172N-HDX

Checklist

CABIN PREFLIGHT

Documents A R O W
 Control Lock REMOVE
 Ignition Switch OFF
 Fuel Selector CHK EACH POSN, BOTH
 Alt Static Air Valve... OFF(FULL IN)
 Avionics Master OFF
 Circuit Breakers ALL IN
 Master Avionics Master ON[CHK FAN]OFF
 Flaps DOWN
 Lights/Pitot Heat ON[CHECK]OFF
 Master Elevator Trim OFF T/O POSITION

EXTERIOR PREFLIGHT

Baggage Door CLOSED
 L Fuselage... CHECK
 Tail Tie Down REMOVE
 Rudder & Elevator FREE & SECURE
 Elevator Trim Tab SECURE
 Antennas CHECK
 R Fuselage CHECK
 R Wing Flap TRACK, HINGES, ACTUATOR
 R Aileron... CONDITION & SECURITY
 R Wingtip/Leading Edge CHECK
 Wing Tie Down REMOVE
 R Wing Fuel Drain SUMP
 R Fuel Tank... CHECK
 QTY/SECURITY
 R Main Tire & Brake

CHECK
 -NOSE-
 Engine Oil Qty CHECK(6-8 QTS)
 Nose Fuel Drain... SUMP
 Engine Cooling Air Inlet CLEAR
 Propeller & Spinner..FREE OF NICKS/SECURE Cowling/Air Filter CHECK
 Exhaust Stack SECURE
 Nose Wheel & Strut CHECK
 Engine Access Panels SECURE
 Static Port CLEAR
 -LEFT WING-
 L Wing Fuel Drain SUMP
 L Fuel Tank... CHECK
 QTY/SECURITY
 L Main Tire & Brake... CHECK
 Wing Tie Down REMOVE
 Fuel Vent CLEAR
 Pitot Tube CLEAR/REMOVE COVER
 Stall Indicator CHECK & TEST
 Leading Edge/Wingtip CHECK
 L Aileron CONDITION & SECURITY
 L Wing Flap TRACK, HINGES, ACTUATOR

BEFORE START

Preflight COMPLETE
 Passenger Briefing COMPLETE
 -Seatbelts
 -Sterile Cockpit
 -Emergency Considerations
 -Egress Procedures

Cessna 172N-HDX

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Brakes TEST & SET
 Avionics Master OFF
 Fuel Selector BOTH
START
 Fuel Primer ..2-3 Strokes
 Throttle INCH OPEN ¼
 Mixture... .RICH
 Master ON
 Beacon... ON
 EFIS 1... ON
 Propeller Area... CLEAR
 Ignition Switch START
 Oil Pressure GREEN BAND W/IN 60 SEC
 Throttle 1000 RPM
 Avionics Master/D10/EFIS 2, A/P ON
 Mixture Lean for Taxi
 Flaps... UP
 Transponder AUTO/1200
 Radios TUNE/ATIS
 Brakes CHECK
 Instruments CHECK
RUNUP
 Brakes HOLD
 Fuel Selector BOTH
 Flight Controls FREE &

CORRECT
 Autopilot ENGAGE/CHECK
 Trim TAKEOFF
 Flight Instruments SET
 Mixture RICH
 Throttle... 1700 RPM
 Magnetos... CHECK(125/50)
 Amps/Volts CHECK
 Oil Pressure/Temp CHECK
 Messages CHECK
 Carb Heat.....O
 ut
 Throttle IDLE
 CHECK
 Carb Heat.....
In
BEFORE TAKEOFF
 Clearance/Departure LOAD & REVIEW
 Transponder CODE
 SET/AUTO
 Mixture FULL RICH/BEST
 POWER
 Carb Heat.....Cold
 Lights AS
 REQUIRED
Emergency Takeoff Briefing
 -On Takeoff Roll ACTION
 -After lift off, Below 1,000ft AGL ACTION
 -Above 1,000ft AGL and/or turned Crosswind ACTION

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TAKEOFF

Throttle FULL(MIN 2150 RPM)
Pressures & Temps.....GREEN
Rotate.....55 KIAS
Climb Speed.....(Vx) 62/(Vy) 74/Cruise 80

CLIMB

Airspeed.....70-85 KIAS
Throttle.....FULL
Mixture.....LEAN ABOVE 3000'
Instruments.....CHECK
Lights.....AS
REQUIRED

CRUISE

Power.....2000 TO 2400 RPM
Trim.....SET
Lights.....AS
NEEDED
Mixture.....LEAN

PRE-MANUEVER

Lights ON
Area CLEAR

DESCENT

Power AS
NEEDED
Mixture.....ADJUST
Fuel Selector.....BOTH
EFIS 1
BARO.....SET

BEFORE LANDING

Seat Belts/Seat
Backs....SECURE/UPRIGHT
Fuel Selector.....BOTH
Mixture.....RICH
Carb Heat.....Out
Lights AS
REQUIRED
Flaps AS

REQUIRED

Airspeed... 65
KIAS

GO AROUND

Throttle FULL
Flaps RETRACT TO 20'
Climb Speed... 55 KIAS
Flaps 10' till clear
Retract@60KIAS

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Land STRAIGHT

AHEAD
Vr - 55 KIAS Va - 105 KIAS
Vx - 62 KIAS Vno - 129 KIAS
Vy - 74 KIAS Vne - 163 KIAS
Vso - 40 KIAS Vs1 - 48 KIAS
Vglide - 68 KIAS

AFTER LANDING

Flaps UP
 Carb
 Heat.....IN
 Mixture LEAN
 Lights ..AS
 REQUIRED
 Pitot Heat OFF

SECURING

Transponder AUTO/VFR
 Throttle IDLE
 Avionics Master OFF
 Mixture IDLE
 CUTOFF
 Magnetos OFF
 Hobbs/Tach Times RECORD
 ALL Electric Equip... OFF
 Master OFF
 Fuel Selector LEFT or
 RIGHT
 Control Lock/Chocks/Tie Downs INSTALL

ENGINE FAILURE DURING TAKEOFF

Throttle... IDLE
 Brakes APPLY
 Flaps
 RETRACT
 Mixture IDLE
 CUTOFF
 Magnetos OFF
 Avionics Master OFF
 Master OFF

ENGINE FAILURE AFTER TAKEOFF

Airspeed 68 KIAS
 Mixture IDLE
 CUTOFF
 Magnetos OFF
 Flaps AS
 REQUIRED
 Master OFF
 Door UNLATCH

**ENGINE
FAILURE
DURING
FLIGHT
Airspeed**

68 KIAS

Fuel

Selector

BOTH

Mixture

RICH

Magnetos

BOTH (start
if prop
stopped)

**EMERGEN
CY
LNDING
W/OUT
PWR**

Passenger
Seat Backs

UPRIGHT
Seats, Seat
Belts

SECURE
Airspeed

70
KIAS(FLAPS
UP)

5
KIAS(FLAPS
10-FULL)
Mixture

IDLE
CUTOFF

Magnetos

OFF
Flaps

AS
REQUIRED
Master

OFF(LANDI
NG
ASSURED)
Doors

UNLATCH
Touchdown

SLIGHTLY
TAIL LOW
Brakes

APPLY
HEAVILY

**CAUTIONA
RY
LANDING
W/POWER**

Passenger
Seat Backs

Cessna 172N-HDX Checklist

UPRIGHT
Seats, Seat Belts

SECURE
Airspeed.

60 KIAS
Flaps

20°
Selected
Field..FLY
OVER,Chk
terrain Flaps

FULL (on
Final)
Avionics
Master

OFF
Airspeed.

60 KIAS
Master

OFF
Doors

UNLATCH
Touchdown.

SLIGHTLY
TAIL LOW
Mixture

IDLE
CUTOFF
Magnetos

OFF
Brakes

APPLY
HEAVILY

DITCHING

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Radio.....	Seats, Seat Belts	SECURE
.MAYDAY	Flaps	20° to FULL
ON 121.5,	Power	300ft/min ROD @ 55 KIAS
SQWK 7700	. Or at 65KIAS FLAPS UP with no power Approach:	
Heavy	High Winds or Seas	INTO WIND
Objects	Lgt Winds/Hvy Swells	PARALLEL SWELL
	Doors	UNLATCH
SECURE or JETTISON	Touchdown	LEVEL ATTITUDE
Passenger	Face.	CUSHION
Seat Backs	ELT.	ACTIVATE
	Airplane	EVACUATE
UPRIGHT		

FIRE DURING START

Cranking	CONTINUE If Engine
Starts:	
Power	1800 RPM for a Minute
Engine	SHUTDOWN
If Engine Fails to Start: Throttle.	FULL
OPEN	
Mixture	IDLE CUTOFF
Cranking	CONTINUE

Magnetos	OFF
ATC	NOTIFY
Avionics Master	OFF
Master	OFF
Parking Brake.	RELEASE
Airplane	EVACUATE
Fire.	EXTINGUISH

ENGINE FIRE IN FLIGHT

Mixture	IDLE CUTOFF
Master	OFF
Cabin Heat & Air	OFF
Airspeed.	100 KIAS
Forced LDG. EMERGENCY LDG W/OUT PWR	

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ELECTRICAL FIRE IN FLIGHT

Master OFF Vents,
Cabin Air, Heat CLOSED
Fire Extinguisher ACTIVATE
Avionics OFF
All Other Electrical OFF
Vents OPEN WHEN FIRE OUT
If Fire is out and electrical required
Master ON Circuit
Breaker DO NOT RESET OPEN CB
Radios OFF
Avionics ON
Radios/Electrical ON, one at a time

WING FIRE

Landing/Taxi Light OFF
Navigation Lights OFF
Strobe Lights OFF
Pitot Heat OFF
Side Slip to keep fire away from tanks and cabin

**AMMETER SHOWS EXCESSIVE RATE OF
CHARGE (full scale deflection)**

Alternator OFF
-----Compass may dev. 25° w/ALT off-----
Nonessential Electrical OFF
Flight TERMINATE

LOW VOLTAGE ANNUNCIATOR ILLUMINATES

DURING FLIGHT Master OFF (ALT ONLY)

Alternator Circuit Breaker CHECK IN
Master ON
Low Voltage Annunciator CHECK OFF
If low voltage light illuminates again: Alternator OFF
Nonessential Electrical OFF
Flight TERMINATE

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