

CESSNA 172N CHECKLIST

PREFLIGHT

CABIN

Required Documents/POH..... ABOARD
 Parking Brake..... SET
 Control Wheel Lock..... REMOVE
 Ignition Switch..... OFF
 Elevator Trim..... NEUTRAL
 Mixture..... OFF
 Throttle..... OFF
 Alternate Static Source..... CHECKED/OFF
 Electrical Switches..... OFF
 Avionics Power Switch..... OFF
 Master Switch..... Prop Area Clear-ON
 Fuel Quantity..... CHECK
 Flaps..... DOWN
 Lights..... DAY OFF/NIGHT CHECKED
 Master Switch..... OFF

LEFT WING/FUSELAGE

Main Wheel Tire and Brake..... CHECK
 Fuel Tank Sump..... DRAIN/CHECK
 Fuel Quantity..... CHECK/SECURE CAP
 Leading Edge..... CHECK
 Pilot Tube..... CHECK
 Stall Warning..... CHECK
 Fuel Tank Vent..... CHECK
 Tie Down..... REMOVE
 Aileron and Flap..... CHECK
 ELT..... ARMED
 Baggage Door..... CLOSED/LOCKED

EMPENNAGE

Control Surfaces..... CHECK
 Elevator Trim Tab..... CHECK
 Tail Tie Down..... REMOVE

RIGHT WING/FUSELAGE

Airplane Antennas..... CHECK
 Aileron and Flap..... CHECK
 Leading Edge..... CHECK
 Tie-Down..... REMOVE
 Main Wheel Tire and Brake..... CHECK
 Fuel Tank Sump..... DRAIN
 Fuel Quantity..... CHECK

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Oil..... CHECK - minimum \ 4qts
 Fuel Strainer/Belly Sump..... DRAIN/CHECK
 Exhaust Stack..... SECURE
 Alternator Belt..... CHECK
 Propeller and Spinner..... CHECK
 Landing Lights..... CHECK
 Air Filter..... CHECK
 Nose Wheel Tire and Strut..... CHECK
 Static Source..... CHECK

BEFORE STARTING ENGINE

Preflight..... COMPLETE
 Passengers..... BRIEFED
 Seats and Seat Belts..... ADJUST & LOCK
 Parking Brake..... SET
 Fuel Selector Valve..... BOTH
 Mixture..... RICH
 Throttle..... OPEN 1/8"
 Carb Heat..... OFF
 Avionics and Electrical..... OFF
 Circuit Breakers..... IN
 Beacon..... ON

STARTING ENGINE

Prime..... 2-6 STROKES/LOCKED
 Prop Area..... CLEAR
 Master Switch..... ON
 Ignition Switch..... START
 Throttle..... 1000 RPM
 Oil Pressure..... CHECK-GREEN
 Mixture..... LEAN

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Ammeter..... NORMAL CHARGE
 Flaps..... UP
 Avionics..... ON/SET
 Altimeter..... SET
 Transponder..... STANDBY/CODE
 Brakes..... TEST

BEFORE TAKEOFF

Parking Brake..... SET
 Radios..... SWITCH TO TOWER (if applicable)
 Cabin Doors & Windows..... CLOSED & LOCKED
 Flight Controls..... FREE/CORRECT
 Flight Instruments..... SET
 Fuel Selector..... BOTH
 Trim..... TAKE-OFF
 Mixture..... RICH (BELOW 3000')
 Throttle..... 1700 RPM
 Carb Heat..... CHECKED/OFF
 Magnetos (125 max drop / 50 differential)..... CHECKED/BOTH
 Engine Instruments..... CHECK-GREEN
 Ammeter..... CHECKED
 Vacuum..... CHECK-GREEN
 Throttle..... IDLE CHECK, THEN 1000 RPM
 Pre-Takeoff Briefing..... COMPLETE

TAKE OFF

Clearance..... OBTAINED (if applicable)
 Flaps..... UP/AS REQUIRED
 Transponder..... ON/ALT
 Strobe/Landing Light..... ON
 Carb Heat..... COLD

NORMAL

Throttle..... FULL OPEN
 Rotate..... 55 KIAS
 Climb Speed..... 70-80 KIAS

SHORT FIELD

Brakes..... APPLY
 Throttle..... FULL OPEN
 Mixture..... RICH (lean for max RPM ABOVE 3000')
 Brakes..... RELEASE
 Elevator Control..... SLIGHTLY TAIL LOW
 Climb Speed..... 59 KIAS (until all obstacles are cleared)

Vx – 59 KIAS

Vy – 73 KIAS

CLIMB

Power..... AS PLANNED
 Mixture..... AS REQUIRED
 Flaps..... UP
 Airspeed..... 75-85 KIAS

CRUISE

Power AS PLANNED
Mixture..... LEAN AS REQUIRED
Landing Light OFF

BEFORE LANDING

ATIS/WX COPY
Airport Information REVIEW
Fuel Selector Valve BOTH
Mixture RICH or AS REQUIRED
Carb Heat ON
Landing Light ON
Primer IN and LOCKED
Seat Belts ADJUST and LOCK

LANDING

NORMAL

Airspeed 60–70 KIAS (Flaps up)
Flaps AS DESIRED
Airspeed 55–65 KIAS (Flaps down)
Touchdown MAIN WHEELS
Braking AS REQUIRED

SHORT FIELD

Airspeed 60–70 KIAS (Flaps up)
Flaps FULL DOWN
Airspeed 60 KIAS (until flare)
Power REDUCE to idle after clearing obstacles
Touchdown MAIN WHEELS
Braking APPLY HEAVILY
Wings Flaps RETRACT

BALKED LANDING (GO AROUND)

Throttle FULL OPEN
Carb Heat COLD
Flaps 20
Climb 55 KIAS
Flaps 10 (until obstacles are cleared, RETRACT at safe altitude and 60 KIAS)

AFTER LANDING

Flaps UP
Carb Heat COLD
Lights AS REQUIRED
Transponder STANDBY
Mixture LEAN AS REQUIRED

SHUTDOWN

Parking Brake SET
Avionics and Electrical OFF
Throttle IDLE
Mixture IDLE CUT-OFF
Ignition Switch OFF
Master Switch OFF
Control Wheel Lock INSTALL
Post-Flight Walkaround COMPLETE

INSTRUMENT APPROACH BRIEFING GUIDE

ATIS Briefing
Planned Approach/Alternate Approach
Field Elevation
Min. Altitudes: IAF, Procedure Turn, FAF, GSIA
Localizer or Final Approach Course
MDA or DH
Missed Approach Procedure
Approach Speed & Time From FAF to MAP
Runway/Approach Lighting
Caution Items Depicted on Plate

EMERGENCY PROCEDURES

ENGINE FAILURE DURING FLIGHT

Airspeed 65 KIAS
Carb Heat ON
Landing Site SELECT
Fuel Selector Valve BOTH
Mixture RICH
Primer IN & LOCKED
Ignition Switch BOTH - START

FORCE LANDING

Airspeed 65 KIAS (flaps up) 60 KIAS (flaps down)
Mixture IDLE CUT-OFF
Fuel Selector Valve OFF
Flaps AS REQUIRED
Radio Call AS REQUIRED 121.5
Transponder 7700
Ignition Switch OFF
Master Switch OFF
Doors UNLATCH
Touchdown TAIL LOW
Brakes APPLY HEAVILY

ENGINE FIRE IN FLIGHT

Mixture IDLE CUT-OFF
Fuel Selector Valve OFF
Master Switch OFF
Cabin Heat and Air OFF
Airspeed 100 KIAS or MORE
Forced Landing EXECUTE
DO NOT ATTEMPT RESTART

ELECTRICAL FIRE IN FLIGHT

Master Switch OFF
Avionics and Electrical Switches OFF
Cabin Heat-Air Vents CLOSED
Fire Extinguisher ACTIVATE
Vents OPEN
IF FIRE IS OUT AND ELECTRICAL POWER IS NEEDED:
Master Switch ON
Circuit Breakers CHECK
DO NOT RESET CIRCUIT BREAKERS
Avionics and Electrical Switches ON ONE BY ONE

FIRE DURING ENGINE START

Cranking CONTINUE
IF ENGINE STARTS:
Power 1700 RPM (2 min.)
Engine SHUTDOWN
IF ENGINE FAILS TO START:
Throttle FULL OPEN
Mixture IDLE CUT-OFF
Cranking CONTINUE
Fire Extinguisher OBTAIN
Master and Ignition Switch OFF
Fuel Selector Valve OFF
Fire EXTINGUISH

ELECTRICAL MALFUNCTION

Over-voltage light illuminates

Master OFF (both sides)
Master ON
If over-voltage light illuminates again TERMINATE FLIGHT ASAP

Ammeter shows discharge

Alternator OFF
Non-Essential Electrical Equip. OFF
Flight TERMINATE ASAP