

CESSNA 172N - N6372D

CHECKLIST



COSTANZO AIR FLIGHT SCHOOL

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

NOSE

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
 Prime.....2-6 STROKES/LOCKED
 Prop Area.....CLEAR

STARTING ENGINE

Master Switch / Battery only.....ON
 Ignition Switch.....START
 Throttle.....1000 RPM
 Oil Pressure.....CHECK-GREEN
 Mixture.....LEAN
 Alternator.....ON

PRETAXI

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

BEFORE TAKEOFF & RUNUP

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

TAKEOFF

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
 Brake Pressure.....CHECK

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.....OPE
 N 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