

CESSNA 150 N1NS FLIGHT CHECKLIST

PREFLIGHT

DOCUMENTS.....ARROW
 TACH/HOBBS.....NOTE
 CONTROL LOCK.....OUT
 EMERGENCY EQUIP.....CHECK
 MAGNETOS.....OFF
 CIRCUIT BREAKERS.....IN
 ELECTRICAL EQUIP.....OFF
 BAT/ALT MASTERS.....ON

FUEL QUANTITY.....CHECK
 FLAPS.....DOWN
 LIGHTS/PITOT.....CHECK
 BAT/ALT MASTERS.....OFF
 EXTERIOR INSPECTION.....COMPLETE
 OIL.....4 QTS MIN
 TIRES (NOSE/MAINS).....CHECK
 NOSE STRUT.....CHECK

BEFORE START

PREFLIGHT.....COMPLETE
 TIEDOWNS/CHOCKS.....OUT
 SEAT/BELTS.....SECURE
 FUEL SELECTOR.....ON
 AVIONICS.....OFF
 ELECTRICAL EQUIP.....OFF
 CIRCUIT BREAKERS.....IN
 PASSENGERS.....BRIEF

START

BRAKES.....SET
 BAT/ALT MASTERS.....ON
 NAV LIGHTS (Night).....ON
 STROBE.....ON
 MIXTURE.....RICH
 PRIME.....0 TO 3 STROKES
 THROTTLE.....1/4 INCH
 PROP AREA.....CLEAR
 MAGNETOS.....START
 THROTTLE.....800 - 1000 RPM
 OIL PRESSURE.....CHECK
 AVIONICS.....ON
 LIGHTS.....AS REQUIRED
 FLAPS.....UP
 TRANSPONDER.....STBY
 WEATHER.....OBTAIN
 BRAKES.....CHECK
 GYROS.....CHECK/SET

RUNUP

BRAKES.....SET
 FLIGHT INSTRUMENTS.....CHECK/SET
 FUEL SELECTOR.....ON
 FLIGHT CONTROLS.....FREE & CORRECT
 MIXTURE.....RICH (BLO 3000 FT)
 THROTTLE.....1700 RPM
 ENGINE INSTRUMENTS.....GREEN
 AMMETER.....CHECK
 MAG TEST.....150 RPM MAX DROP;
 50 RPM DIFFERENTIAL
 CARBURETOR HEAT.....CHECK & OFF
 CIRCUIT BREAKERS.....IN
 VACUUM.....4.6 TO 5.4 IN Hg
 THROTTLE.....800 - 1000
 FRICTION LOCK.....ADJUST

BEFORE TAKEOFF

AVIONICS.....SET
 ELEVATOR TRIM.....TAKEOFF
 FLAPS.....UP/10°
 DOORS/WINDOWS.....LATCHED
 LIGHTS.....AS REQUIRED
 TRANSPONDER MODE.....ALT
 PITOT HEAT.....AS REQUIRED
 MIXTURE.....RICH(BLO3000 FT)
 TAKEOFF.....BRIEFED
 EMERGENCY PROC.....BRIEFED
 TIME.....NOTE
 THROTTLE.....FULL
 ROTATE.....58 MPH
 FLAPS.....RETRACT SLOWLY

CLIMB

Vx.....64 MPH
 Vy.....78 MPH
 THROTTLE.....FULL
 CARBURETOR HEAT.....COLD
 MIXTURE.....LEAN(ABV 3000)
 FUEL SELECTOR.....ON
 LIGHTS.....AS REQUIRED

CRUISE

POWER.....55-75%
 CARBURETOR HEAT.....COLD
 MIXTURE.....AS REQUIRED
 ELEVATOR TRIM.....SET

DESCENT

MIXTURE.....RICH
 WEATHER.....OBTAIN
 LANDING LIGHT.....ON

BEFORE LANDING

APPROACH.....BRIEFED
 SEATS/BELTS.....SECURE
 FUEL SELECTOR.....ON
 MIXTURE.....RICH (BLO 3000 FT)
 CARBURETOR HEAT.....AS REQUIRED
 FINAL APP SPEED.....65-70 MPH

BALKED LANDING

THROTTLE.....FULL
 CARBURETOR HEAT.....COLD
 RATE OF CLIMB.....POSITIVE
 FLAPS.....RETRACT TO 10°
 AIRSPEED.....64 MPH
 After obstacles are cleared...
 AIRSPEED.....78 MPH
 FLAPS.....UP AT SAFE ALT

AFTER LANDING

RADIO CALL.....CLEAR OF RUNWAY
 PITOT HEAT.....OFF
 CARBURETOR HEAT.....COLD
 THROTTLE.....800 TO 1000 RPM
 FLAPS.....UP
 LIGHTS.....AS REQUIRED
 XPDR.....SBY
 MIXTURE.....LEAN MAX RPM
 TRIM.....SET

SHUTDOWN

AVIONICS.....OFF
 ELECT EQUIP.....OFF
 STROBE.....ON
 MIXTURE.....FULL LEAN
 MAGNETOS & KEYS.....OFF/OUT
 BAT/ALT MASTERS.....OFF
 TIEDOWNS/CHOCKS.....INSTALL

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C-150 N1NS EMERGENCY PROCEDURES

ENGINE FIRE DURING FLIGHT

MIXTURE.....IDLE CUTOFF
FUEL SELECTOR.....OFF
ALT & BAT MASTERS.....OFF
CABIN HEAT & AIR.....OFF
OVERHEAD VENTS.....OPEN
LAND.....IMMEDIATELY

LOW VOLTAGE LIGHT ILLUMINATES

Ammeter Indicates Discharge

AVIONICS.....OFF
ALTERNATOR CB(ALT FLD)....CHECK IN
ALT & BAT MASTERS.....OFF
ALT & BAT MASTERS.....ON
LOW VOLTS LIGHT.....CHECK OFF
AVIONICS.....ON

VOLTS illuminates again....

ALT MASTER.....OFF
ELECTRICAL LOAD.....REDUCE
DIVERT.....NRST ALTERNATE

AMMETER SHOWS EXCESSIVE CHARGE

ALTERNATOR MASTER.....OFF
ELECTRICAL LOAD.....REDUCE
DIVERT.....NRST ALTERNATE

V-SPEEDS

BEST GLIDE.....70 MPH
V_{so}.....48 MPH
V_{s1}.....54 MPH
V_r.....58 MPH
V_x.....64 MPH
V_y.....78 MPH
V_a.....100 MPH
V_{fe}.....100 MPH
V_{no}.....123 MPH
V_{ne}.....162 MPH
Enroute Climb.....75-86 MPH
Approach Speed.....65 MPH

This checklist is for training purposes only!
Please refer to POH for more complete information.

ENGINE FAILURE IN FLIGHT

TURN TOWARDS SAFE TERRAIN
AIRSPEED.....70 MPH
BEST LANDING SPOT.....SELECT
CARBURATOR HEAT.....ON
FUEL SELECTOR.....ON
PRIMER.....IN & LOCKED
MIXTURE.....RICH
MAGNETOS.....BOTH or START
If engine does not start, advance
throttle slowly from idle until a start is
obtained....if no start.....

MIXTURE.....LEAN

Declare Emergency

SQUAWK.....7700
COMMUNICATE.....ON 121.5

EMERGENCY LANDING IN FLIGHT

SEATS/BELTS.....SECURE
AIRSPEED

0° - 10°.....70 MPH
10° - FULL.....65 MPH

MIXTURE.....FULL LEAN
FUEL SELECTOR.....OFF
MAGNETOS.....OFF
FLAPS.....AS REQUIRED

ALT & BAT MASTERS.....OFF
DOORS.....PROP OPEN

CABIN/ELECT FIRE INFLIGHT

EMERG DESCENT.....INITATE
ALT & BAT MASTERS.....OFF
CABIN HEAT/DEFROST.....OFF
WINDOW.....CLOSED
AVIONICS.....OFF
ELECT EQUIP.....OFF

If fire is completely extinguished...

EMERG DESCENT.....TERMINATE
WINDOWS.....OPEN
DIVERT.....NRST ALTERNATE

If fire is NOT extinguished, land
immediately