

N8821U Checklist



PREFLIGHT INSPECTION

First Items

TIE-DOWN REMOVE AND SECURE
 FUEL QUANTITY CHECK VISUALLY
 FUEL SUMPS DRAIN AND CHECK
 OIL LEVEL CHECK

Interior

FUEL STRAINER PULL FOR 4 SECONDS
 AROW & COMPASS CARD PRESENT
 CONTROL WHEEL LOCK REMOVE AND SECURE
 CIRCUIT BREAKERS CHECK IN
 AVIONICS MASTER SWITCH OFF
 MASTER SWITCH ON
 EXTERIOR LIGHTS CHECK
 FLAPS FULLY EXTEND
 MASTER SWITCH OFF
 FUEL SELECTOR BOTH

Empennage

BAGGAGE DOOR & WINDOW CHECK
 BODY & EXTERNAL DATA PLATE CHECK
 STABILIZERS & CONTROL SURFACES CHECK
 ANTENNAS CHECK

Right Wing

TRAILING AND LEADING EDGE CHECK
 FLAP AND AILERON CHECK
 WHEEL, TIRE, BRAKES CHECK
 FUEL CHECK AND SECURE CAP

Nose

WINDSHIELD CLEAN
 OIL CHECK & SECURE
 ENGINE INLETS, FILTER, PROP, SPINNER INSPECT
 NOSE WHEEL TIRE & STRUT CHECK
 STATIC PORT CHECK

Left Wing

FUEL CHECK AND SECURE CAP
 PITOT TUBE CHECK
 STALL HORN OPENING CHECK
 FUEL TANK VENT CHECK
 WHEEL, TIRE, BRAKES CHECK
 TRAILING AND LEADING EDGE CHECK
 FLAP AND AILERON CHECK

BEFORE TAXI

AIRPORT DIAGRAM OUT / AVAILABLE
 LANDING LIGHT NIGHT OR IFR
 TAXI AREA CLEAR
 BRAKES CHECK
 TAXI CLEARANCE OBTAIN / BRIEF
 IFR FLIGHTS CHECK INSTRUMENTS IN TURN

BEFORE TAKEOFF

MIXTURE AS REQ
 THROTTLE 1600 RPM
 MAGNETOS CHECK
 (MAX DIFFERECE 75 RPM)

CARB HEAT CHECK
 ENGINE INSTRUMENTS, VAC, & VOLTS CHECK
 THROTTLE 1000 RPM
 EMERGENCY RESPONSE BRIEF
 FLIGHT CONTROLS FREE & CORRECT
 FLIGHT INSTRUMENTS CHECK & SET
 TRIM SET T/O
 FLAPS SET
 GPS SET
 AUTOPILOT OFF
 ENGINE INSTRUMENTS CHECK
 SEATS & SEATBELTS LOCKED & FASTENED

FINAL ITEMS

DOORS & WINDOWS CLOSED & LOCKED
 LANDING LIGHT ON
 TRAFFIC CHECK
 MIXTURE AS REQ
 SET FRQ / CONTACT TWR CHECK

AFTER TAKEOFF

CRUISE CLIMB CHECK
 FLAPS UP
 LANDING LIGHT OFF

CRUISE

POWER SET
 ENGINE INSTRUMENTS CHECK
 MIXTURE LEAN
 HEADING INDICATOR SET TO COMPASS

..ENGINE FAILURE IN FLIGHT..

AIRSPEED Vg 80 MPH
 CARB HEAT ON
 FUEL SELECTOR VALVE BOTH
 FLAPS UP
 MIXTURE RICH
 PRIMER IN AND LOCKED
 MAGNETOS CHECK ALL

IF PROP NOT WINDMILLING

IGNITION SWITCH START
 MAGNETOS CHECK ALL

DECLARE EMERGENCY SECURE ENGINE

..ENGINE SECURE / POWER OFF LAND..

LANDING AREA SELECT & INSPECT
 AIRSPEED Vg 80 MPH
 MIXTURE CUTOFF
 FUEL SELECTOR VALVE OFF
 IGNITION & ELECTRICAL SWITCH OFF
 FLAPS AS REQ
 MASTER SWITCH OFF
 DOORS (Prior to touchdown) UNLATCH
 BRAKES APPLY HEAVILY

..ENGINE FIRE IN FLIGHT..

DECLARE EMERGENCY

MIXTURE IDLE CUT OFF
 FUEL SELECTOR VALVE OFF
 MASTER SWITCH OFF
 AIRSPEED 120 MPH GLIDE
 CABIN HEAT & AIR OFF
 IF FIRE PERSISTS INCREASE SPEED

DO NOT ATTEMPT ENGINE RESTART

..EMERGENCY DESCENT..

THROTTLE IDLE
 DESCENDING TURNS 30° 45° BANK
 AIRSPEED 120 MPH

DECLARE EMERGENCY

..CABIN FIRE..

MASTER SWITCH OFF
 VENTS, CABIN HEAT & AIR CLOSED
 FIRE EXTINGUISHER ACTIVATE

WHEN FIRE IS OUT

CABIN VENTILATE
 LAND AS SOON AS POSSIBLE

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V – SPEEDS

Vso.....49 MPH
Vs1.....57 MPH
Vr.....60 MPH
Vx (50 ft obst.)65 MPH
Vx 70 MPH
Vg80 MPH
Vy.....80 MPH
Vfe..... 100 MPH
Va122 MPH
Vno140 MPH
Vne174 MPH

LOCAL FREQUENCIES

CLL ATIS126.85
CLL Ground128.70
CLL Tower118.50
HOU Departure.....134.30
Flight Service122.65
CFD123.00
RWV, LHB, 60R..... 122.90
11R.....123.07

SQUAWK CODES

7500**HIJACKING**
7600.....**LOST COMMS**
7700.....**EMERGENCY**

VFR APPROACH

WEATHER.....CHECK
ALTIMETER.....SET
HEADING INDICATOR.....SET
FUEL SELECTOR.....BOTH
PARKING BRAKE.....CHECK RELEASED
LANDING LIGHT.....ON
AIRPORT DIAGRAM AVAILABLE.....CHECK
SEAT BELTS.....FASTENED
CALL TWR / CTAF.....10-15NM OUT

IFR APPROACH

WEATHER.....CHECK
ALTIMETER.....SET
HEADING INDICATOR.....SET
APPROACH.....BRIEF AND LOAD
FUEL SELECTOR.....BOTH
PARKING BRAKE.....CHECK RELEASED
LANDING LIGHT.....ON
SEAT BELTS.....FASTENED
—WHEN DIRECT TO IAF OR VECTORED—
FLIGHT & NAV INSTRUMENTS.....SET/IDENT
GPS.....ACTIVATE APPROACH
AIRSPEED.....90 KIAS

BEFORE LANDING

FUEL SELECTOR.....BOTH
CARB HEAT.....ON
POWER.....SET
MIXTURE.....AS REQ
FLAPS.....AS REQ

AFTER LANDING

TRIM.....CENTERED
CARB HEAT.....OFF
FLAPS.....UP
MIXTURE.....LEAN
TAXI CLEARANCE.....OBTAIN & BRIEF

SHUTDOWN

TRANSPONDER..... 1200
AVIONICS MASTEROFF
THROTTLE.....1000 RPM
MIXTURE.....CUTOFF
IGNITION.....OFF
MASTER SWITCH.....OFF
ELECTRICAL SWITCHES.....OFF
RECORD TIMES.....COMPLETE
FLIGHT CONTROLSSECURE
TIEDOWN / CHOCKSECURE
PITOT GATOR.....INSTALL

BEFORE START

NOSE AND CHOCKS AREA CLEAR
PASSENGER BRIEF.....**SAFETY**
Seats & Seatbelts, Air Vents, Fire Extinguisher, Exits &
Emergency, Traffic Scanning & Talking, Your questions?
SEAT & SEAT BELTS ADJUST AND LOCK
CIRCUIT BREAKERSCHECK IN
ALL SWITCHES..... OFF
FUEL SELECTORBOTH
MASTER SWITCH.....ON
BEACON.....ON
NAV LIGHT.....NIGHT ONLY
FUEL GAUGES.....CHECK

WARM or COLD START

Warm Start

NO PRIMER NEEDED...STARTING ENGINE CHECKLIST

Cold Start

PRIMER.....3 STROKES AND LOCK
THROTTLE FULLY OPEN AND WAIT 60 SECONDS

STARTING ENGINE

MIXTURE.....RICH
THROTTLE.....1/4" OPEN
BRAKES HOLD
PROP AREA..... CLEAR
IGNITION.....START

AFTER START

THROTTLE.....1000 RPM
OIL PRESSURE.....CHECK GREEN
MIXTURE.....LEAN
THROTTLE.....1000 RPM
FLAPS.....UP
AVIONICS SWITCH..... ON
HEADSETS ON
COMS.....SET FREQS
WEATHER.....CHECK
ALTIMETER.....SET
FLIGHT INSTRUMENTS.....CHECK
TRANSPONDER.....SET CODE / ALT MODE
GPS & NAV SET