

N50291 Checklist



PREFLIGHT INSPECTION

First Items

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

Interior

AROW & COMPASS CARD PRESENT
CONTROL WHEEL LOCK REMOVE AND SECURE
CIRCUIT BREAKERS CHECK IN
AVIONICS MASTER SWITCH OFF
MASTER SWITCH ON
EXTERIOR LIGHTS CHECK
PITOT HEAT 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 & TAXI LIGHTS NIGHT OR IFR
TAXI AREA CLEAR
BRAKES CHECK
TAXI CLEARANCE OBTAIN / BRIEF
IFR FLIGHTS CHECK INSTRUMENTS IN TURN

BEFORE TAKEOFF

MIXTURE AS REQ
THROTTLE 1700 RPM
MAGNETOS CHECK
(MAX DROP 125 RPM)

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

FINAL ITEMS

DOORS & WINDOWS CLOSED & LOCKED
STROBE & 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.....	54 MPH
Vs1.....	61 MPH
Vr.....	60 MPH
Vx (50 ft obst.)	65 MPH
Vx	75 MPH
Vg	80 MPH
Vy (0'-10,000' MSL)..	91-80 MPH
Vfe.....	100 MPH
Va	90-112 MPH
Vno	145 MPH
Vne	182 MPH

LOCAL FREQUENCIES

CLL ATIS	126.85
CLL Ground	128.70
CLL Tower	118.50
HOU Departure.....	134.30
Flight Service	122.65
CFD	123.00
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.....100 MPH

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 MASTER.....OFF
THROTTLE.....1000 RPM
MIXTURE.....CUTOFF
IGNITION.....OFF
MASTER SWITCH.....OFF
ELECTRICAL SWITCHES.....OFF
RECORD TIMES.....COMPLETE
FLIGHT CONTROLS.....SECURE
TIEDOWN / CHOCK.....SECURE
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 BREAKERS.....CHECK IN
ALL SWITCHES.....OFF
ALTERNATE STATIC SOURCE.....OFF
FUEL SELECTOR VALVE.....BOTH
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

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