



BEFORE START

PARKING BRAKE.....SET
PASSENGER / CREW BRIEF.....COMPLETED
SEATS / SEATBELTS.....LOCKED / ON
AVIONICS SWITCH.....OFF
CIRCUIT BREAKERS.....CHECK IN
BEACON LIGHT.....ON

ENGINE START

FUEL SELECTOR.....FULLEST TANK
CARB HEAT.....OFF
MIXTURE.....RICH
THROTTLE.....OPEN 1/4 INCH
PRIME.....AS REQUIRED
PROPELLER AREA.....CLEAR
MASTER SWITCH.....ON
FUEL PUMP.....ON
IGNITION SWITCH.....START
OIL PRESSURE.....CHECK

BEFORE TAXI

AVIONICS SWITCH.....ON
FLAPS.....ZERO / CONFIRMED
MIXTURE.....LEANED
FUEL PUMP.....OFF
COMS / NAVS.....SET
ATIS / AWOS.....CHECKED
ALTIMETER / HEADING.....SET
RADIO.....CHECK
BRAKES.....TEST

BEFORE TAKEOFF

PARKING BRAKE.....SET
FLIGHT CONTROLS.....FREE / CORRECT
FLIGHT INSTRUMENTS.....CHECK
FUEL SELECTOR.....FULLEST TANK
TRIM.....SET
MIXTURE.....RICH BELOW 5000FT.....LEANED
THROTTLE.....1800 RPM
CARB HEAT.....CHECK
MAGNETOS SWITCH.....CHECKED / BOTH
(125 RPM MAX DROP / 50 MAX DIFFERENTIAL)
ENGINE INSTRUMENTS.....CHECK
AMMETER / SUCTION GAUGE.....CHECK
THROTTLE IDLE.....CHECK

PRE-TAKEOFF BRIEF.....COMPLETE
FLIGHT INSTRUMENTS.....SET
FLAPS.....0°- 25° SET
CARB HEAT.....OFF
MIXTURE.....SET FOR TAKEOFF
ELECTRIC FUEL PUMP.....ON
LANDING LIGHT / NAV LIGHTS.....ON
TRANSPONDER.....ALT
COMS / NAVS.....SET
DOORS / WINDOWS.....LATCHED



TAKEOFF

THROTTLE.....FULL
(2300RPM MIN)
ENGINE GAUGES.....IN THE GREEN
ROTATE.....60 KIAS

CLIMB

CLIMB SPEED.....VX (65 KIAS).....VY (75 KIAS)
FLAPS.....RETRACTED
LIGHTS / PITOT HEAT.....SET

CRUISE

POWER.....SET
MIXTURE.....LEANED
TRIM.....SET
FUEL PUMP.....OFF
(CHECK FUEL PRESSURE)

DESCENT

SEATS / SEATBELTS.....LOCKED / ON
APPROACH PROCEDURE.....REVIEWED
FUEL SELECTOR.....FULLEST TANK
MIXTURE.....ENRICHENED
CARB HEAT.....AS REQUIRED
FUEL PUMP.....ON
LIGHTS.....SET
COMS / NAVS.....SET
ALTIMETER / HEADING.....SET

LANDING

DOWNWIND.....85 KIAS
(FLAPS BELOW 100 KIAS)
BASE.....75 KIAS
FINAL.....65 KIAS

AFTER LANDING

TRIM.....SET FOR TAKEOFF
FLAPS.....RETRACTED
CARB HEAT.....OFF
MIXTURE.....LEANED
FUEL PUMP.....OFF
LIGHTS.....SET
PITOT HEAT.....OFF
TRANSPONDER.....VFR (ASSIGNED) / STBY

SHUTDOWN

AVIONICS SWITCH.....OFF
MIXTURE.....IDLE CUT-OFF
MASTER SWITCH.....OFF
LIGHTS.....OFF
IGNITION SWITCH.....OFF
CONTROL LOCK.....INSTALLED

DO NOT REMOVE CHECKLIST FROM AIRCRAFT



INTERIOR

COVERINGS (INTERIOR / EXTERIOR).....REMOVED
 CONTROL LOCK.....REMOVED
 PARKING BRAKE.....SET
 FLAPS.....EXTENDED
 FUEL SELECTOR.....LEFT/RIGHT
 IGNITION SWITCH.....OFF
 AVIONICS SWITCH.....OFF
 MASTER SWITCH.....ON
 FUEL GAUGES.....CHECKED
 LIGHTS.....CHECKED
 PITOT HEAT.....CHECKED
 STALL WARNING.....CHECK
 MASTER SWITCH.....OFF
 AIRPLANE DOCUMENTS.....CHECKED
 HOBBS / TACH.....CHECKED
 WINDSHIELD.....CLEANED

RIGHT WING

MAIN GEAR.....INSPECTED
 FLAP / AILERON.....INSPECTED
 WING TIP / LIGHTS.....INSPECTED
 LEADING EDGE.....INSPECTED
 TIE DOWN.....REMOVED
 FUEL / FUEL SUMPS.....CHECKED / DRAINED
 FUEL CAP.....SECURED
 FUEL VENT.....CLEAR

FORWARD FUSELAGE

ENGINE COWLING.....CHECKED / SECURED
 OIL.....CHECKED
 EXHAUST STACK.....SECURE
 NOSE GEAR.....INSPECTED
 CARBURETOR AIR FILTER.....INSPECTED
 LANDING / TAXI LIGHTS.....INSPECTED
 ALTERNATOR BELT.....INSPECTED
 PROPELLER / SPINNER.....INSPECTED

LEFT WING

FUEL / FUEL SUMPS.....CHECKED / DRAINED
 FUEL CAP.....SECURED
 LEADING EDGE.....INSPECTED
 PITOT/STATIC.....INSPECTED
 FUEL VENT.....CLEAR
 TIE DOWN.....REMOVED
 WING TIP / LIGHTS.....INSPECTED
 AILERON / FLAP.....INSPECTED
 MAIN GEAR.....INSPECTED

EMPENNAGE

ANTENNAS.....INSPECTED
 STABILATOR/ ELEVATOR.....INSPECTED
 VERTICAL STABILIZER / RUDDER.....INSPECTED
 ANTI-SERVO TAB.....INSPECTED
 RUDDER LOCK.....IF INSTALLED.....REMOVED
 TAIL TIE DOWN.....REMOVED
 BAGGAGE DOOR.....LOCKED

360° WALK AROUND.....COMPLETED

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ENGINE FAILURE AFTER TAKEOFF

GLIDE.....ESTABLISH
 AIRSPEED.....75 KIAS (NO FLAPS).....65 KIAS (FULL FLAPS)
 FUEL SELECTOR.....OFF
 MIXTURE.....IDLE CUT-OFF
 FLAPS.....AS NEEDED
 MASTER / IGNITION SWITCH.....OFF

ENGINE FAILURE DURING FLIGHT

GLIDE.....ESTABLISH
 CARB HEAT.....ON
 MIXTURE.....FULL RICH
 ELECTRIC FUEL PUMP.....ON
 PRIMER.....IN / LOCKED
 FUEL SELECTOR.....SWITCH TANKS
 IGNITION SWITCH...TEST L/R (START IF PROP IS STOPPED)

FORCED LANDING WITHOUT ENGINE POWER

AIRSPEED.....75 KIAS (NO FLAPS).....65 KIAS (FULL FLAPS)
 FUEL SELECTOR.....OFF
 MIXTURE.....IDLE CUT-OFF
 IGNITION SWITCH.....OFF
 FLAPS.....AS NEEDED
 MASTER SWITCH.....OFF
 DOOR.....UNLATCHED

ELECTRICAL FIRE IN FLIGHT

MASTER SWITCH.....OFF
 AVIONICS SWITCH.....OFF
 ELECTRICAL SWITCHES.....OFF
 VENTS/WINDOWS.....OPEN
 CABIN HEAT.....OFF

ENGINE FIRE IN FLIGHT

MIXTURE.....IDLE CUT-OFF
 FUEL SELECTOR.....OFF
 MASTER SWITCH.....OFF
 CABIN HEAT.....OFF
 AIRSPEED.....105 KIAS
 FORCED LANDING WITHOUT ENGINE POWER.....EXECUTE

ENGINE FIRE DURING START

ENGINE CRANKING.....CONTINUE
 MIXTURE.....IDLE CUT-OFF
 THROTTLE.....OPEN
 ELECTRIC FUEL PUMP.....OFF
 FUEL SELECTOR.....OFF
 MASTER / MAGS.....OFF
 EVACUATE / FIRE EXTINGUISHER.....ARM / EXECUTE

ICING

PITOT HEAT.....ON
 CARB HEAT.....ON
 TURN BACK AND/OR CHANGE ALTITUDE
 INCREASE ENGINE POWER
 CABIN HEAT / DEFROST.....MAX. / ON
 FLAPS.....RETRACTED
 FINAL AIRSPEED.....75 KIAS

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