

LN-BTT

BEFORE STARTING ENGINE

Preflight Inspection COMPLETE
 Passenger briefing COMPLETE
 Aircraft Log DI/HOLD ITEM
 Aircraft documents ON BOARD
 Tow Rod/Wheel Blocks REMOVED
 Doors CLOSE
 Seats & Seat Belts ADJ. AND LOCK
 Parking Brake TEST & SET
 Circuit Breakers CHECK IN
 Electrical Equipment OFF
 Avionics Switch (Bus 1 & 2) OFF
 Fuel Selector BOTH
 Fuel Shutoff valve OPEN

STARTING ENGINE

Throttle OPEN 7MM
 Mixture IDLE CUT OFF
 Standby Battery Switch (Batt S) TEST & ARM
 • HOLD FOR 20 SEC, VERIFY THAT GREEN TEST LAMP DOES NOT GO OFF
 • VERIFY THAT PFD COMES ON
 Engine indicating system CHECK
 • NO RED X THROUGH ENGINE PAGE IND.
 Bus E Volts (Essental) CHECK (MIN 24V)
 M Bus Volts (Main) CHECK (MAX 1,5V)
 Stby. Batt. Annunciator CHECK
 Engine Fire Procedure BRIEF
 Master Switch ON
 Beacon ON

If engine is warm, omit priming procedure

Fuel pump ON
 Mixture FULL RICH 3-5 SEC. - THEN CUTOFF
 Fuel pump OFF
 Starter ENGAGE
 Mixture control IN smoothly when eng. Starts
 Oil pressure CHECK
 Throttle 1000 RPM
 Amps (M Batt & Batt S) CHECK
 Low Volts CHECK
 Avionics ON

TAXI CHECK

Lean to max rpm at 1200 rpm then 1000 rpm
 Brakes/Steering CHECK OPERATING
 Turn Coordinator CHECK OPERATING
 Gyro CHECK OPERATING

GROUND CHECK

Parking brake SET
 ATIS & Start-up request CHECK
 Altimeter Stby SET
 G1000 ALT SET
 Autopilot ALT SET
 Belts/Seats FASTENED/UPRIGHT-SECURE
 Doors LOCKED
 Flight controls FREE AND CORRECT
 Flight Instruments NORMAL

Stby flight instruments CHECK
 Fuel quantity CHECK
 Mixture RICH
 Fuel Selector BOTH
 Trim SET FOR TAKE-OFF
 Throttle 1800 RPM
 Magnetos R-BOTH-L-BOTH
 Max drop 150 rpm, Max diff. 50 rpm
 Vacuum CHECK
 Oil Temp & Pressure CHECK
 Throttle IDLE, THEN 1000 RPM
 Lean at 1200 rpm then 1000 rpm
 Transponder SET

BEFORE TAKE-OFF

Autopilot OFF
 T/O & Climb-Out Procedure BRIEF
 Engine Failure Procedure BRIEF
 Flaps 10 degr
 Landing lights ON
 Mixture RICH
 Throttle FULL IN
 Flaps UP at 500 ft

CRUISE

Landing lights OFF
 Power 2350 RPM
 Mixture LEAN

BEFORE LANDING

Seat belts CHECK
 Fuel Selector BOTH
 Mixture RICH
 Landing light ON
 Autopilot OFF

GO AROUND

Throttle FULL
 Flaps 20 degr
 Climb speed 60 KTS
 Positive climb Flaps 10 degr
 Flaps UP (after safe alt. and 65 kts)

AFTER LANDING

Flaps RETRACT
 Landing Light OFF

STOPPING ENGINE/PARKING

Parking Brake SET
 Transponder 7000
 Throttle IDLE
 Electrical equipment OFF
 Avionics (Bus 1 & 2) OFF
 Mixture IDLE CUT-OFF
 Magnetos OFF
 Master Switch OFF
 Stby. Battery OFF
 Rotating beacon OFF
 Fuel selector valve LEFT OR RIGHT

TAKE-OFF and CLIMB-OUT PROCEDURE

- Full throttle
- 2300 rpm minimum
- All green on engine instruments
- Rotate at 55 KT
- Climb speed 75 KT
- Start turn at 500' AGL

EMERGENCY PROCEDURES

FIRE DURING START UP

IF ENGINE DO NOT START

Engine CRANK
 Throttle OPEN
 Mixture IDLE CUT-OFF
 Fuel selector OFF
 Fuel pump OFF
 Stby. Battery OFF
 Master switch OFF
 Fire extinguisher READY

IF ENGINE STARTS

Engine rpm 1800 rpm 2 min
 Mixture IDLE CUT-OFF
 Fire extinguisher READY

ENGINE FAILURE - TAKE OFF

ON RUNWAY

Throttle RETRACT
 Brake STRAIGHT AHEAD
 IMMEDIATELY AFTER TAKEOFF
 Nose DOWN 70 KIAS
 Mixture RETRACT
 Flaps AS NEEDED
 Land STRAIGHT AHEAD
 ELT ON
 Radio MAYDAY
 Shut-down ALL RED
 Doors OPEN
 Seatbelts TIGHTEN

ENGINE FAILURE DURING FLIGHT

Airspeed 68 KT
 Fuel Shutoff valve ON
 Fuel Selector BOTH
 Fuel Pump ON
 Mixture FULL RICH
 Magnetos BOTH
 Electrical fuel pump on & off to check fuel flow

EMERGENCY LANDING

Landing area (keypoint) IDENTIFY
 Radio MAYDAY
 ELT ON
 Transponder 7700
 Shut-down ALL RED

Doors OPI
 Seatbelts TIGHTEN
 Airspeed 65 – 70 KI

FIRE IN FLIGHT

ENGINE FIRE

Mixture O
 Fuel shutoff valve O
 Fuel pump O
 Master switch O

ELECTRICAL FIRE

Standby battery switch O
 Master switch O
 Vents/Cabin heat CLOSE
 Fire extinguisher ACITVA

ALTERNATOR FAILURE

Master switch ALT O
 Electrical load REDUCE
 Alternator Circuit Breaker CHECK
 Master Switch ALT ()
 No charge LAND AS SOON AS POSSIBLE

Normal procedures

Emergency procedures

V_s 53 KT
 V_{SO} 48 KT
 V_x 62 KT
 V_y 74 KT
 V_A 90-105 KT
 V_{BEST GLIDE} 70 KT
 V_R 55 KT
 Fuel tot 56 gal-212 lt-153 kg-337 lbs
 Fuel usable 53 gal-200 lt
 Oil capacity 7,5 lt / 8 quarts
 Weight max T/O 2550 lbs -1156 kg



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