

LN-BTT

BEFORE START

Preflight Inspection	COMPLETE
Aircraft Documents	ON BOARD
Aircraft Log	DI / HOLD ITEM
Tow Rod / Wheel Blocks	REMOVED
Parking Brake	TEST & SET
Doors	CLOSED
Passenger Briefing	COMPLETE
Seats / Seat Belts	ADJUST & LOCK
ELT	ARMED
Circuit Breakers	CHECK IN
Electrical Equipment	OFF
Avionics (BUS 1 & 2)	OFF
Fuel Selector	BOTH
Fuel Shutoff Valve	ON

STARTING ENGINE

Engine Fire Procedure	BRIEF
Throttle	OPEN 7 mm
Mixture	IDLE CUT OFF
Standby Battery	TEST & ARM
• Hold for 20 seconds, verify that green TEST lamp does not extinguish.	
• Verify that PFD comes on.	

Engine indicating system	CHECK
• No red X's through ENGINE page indicators.	
BUS E Volts (Essential)	CHECK (min 24V)
M BUS Volts (Main)	CHECK (max 1,5V)
BATT S Amps	CHECK (discharge)
STBY BATT Annunciator	CHECK (shown)
Master Switch	ON
Beacon	ON
If engine is warm, omit priming procedure	

• Fuel Pump	ON
• Mixture	FULL RICH 3-5 seconds, Then CUTOFF
• Fuel Pump	OFF
Starter	ENGAGE
Mixture	IN SMOOTHLY WHEN ENGINE STARTS
Throttle	1000 RPM
Oil pressure	CHECK
Amps (M Batt & Batt S)	CHECK
Low Volts Annunciation	CHECK (not shown)
Avionics (BUS 1 & 2)	ON
NAV Lights	ON as required

TAXI CHECK

Lean to max RPM at 1200 RPM	Then 1000 RPM
Brakes / Steering	CHECK
Turn Coordinator	CHECK
Gyro / Compass	CHECK

GROUND CHECK

Parking brake	SET
ATIS	OBTAIN
PFD	SET QNH
Standby Altimeter	SET QNH
Autopilot	SET QNH
Clearance & Start-up	REQUEST
Transponder	SET

Flight Controls	FREE & CORRECT
Flight Instruments	NORMAL
Standby Flight Instruments	CHECK
Fuel Quantity	CHECK
Fuel Selector	BOTH
Trim	SET FOR TAKEOFF
Flaps	TEST AND SET
Mixture	RICH
Throttle	1800 RPM
Magnetos	R - BOTH - L - BOTH
• Max drop 150 RPM, max difference 50 RPM.	

Vacuum	CHECK
Oil Temp / Pressure	CHECK
Throttle	IDLE, Then 1200 RPM
Lean at 1200 RPM	Then 1000 RPM
Autopilot	OFF
Departure / Engine Failure Procedure	BRIEF

BEFORE TAKE-OFF

Flaps	UP / 10 degrees
Landing Lights	ON
Strobe Lights	ON
Mixture	RICH

CRUISE

Power	SET
Mixture	LEAN
Landing Lights	OFF

BEFORE LANDING

Seats / Seat Belts	ADJUST & LOCK
Landing Light	ON
Fuel Selector	BOTH
Mixture	RICH
Autopilot	OFF

GO AROUND PROCEDURE

Throttle	FULL
Flaps	RETRACT to 20 degrees
Climb Speed	minimum 60 KIAS
Flaps	10 degrees until clear of obstacles, then UP (above safe altitude and 65 KIAS)

AFTER LANDING

Flaps	RETRACT
Mixture	LEAN
Landing Light	OFF
Strobe Lights	OFF

SHUTDOWN

Parking Brake	SET
Throttle	IDLE
Electrical Equipment	OFF
Avionics (BUS 1 & 2)	OFF
Magnetos	CHECK GROUNDING
Mixture	IDLE CUTOFF
Magnetos	OFF
Master Switch	OFF
Standby Battery	OFF
Beacon	OFF
Fuel Selector Valve	LEFT or RIGHT
Control Wheel Lock	AS REQUIRED

FIRE DURING START UP

IF ENGINE DOES NOT START

Engine	CRANK
Mixture	IDLE CUTOFF
Throttle	OPEN

> Secure engine

IF ENGINE STARTS

Engine RPM	1800 RPM for 2 min
Mixture	IDLE CUTOFF

> Secure engine

Fuel Shutoff Valve	OFF
Fuel Pump	OFF
Magnetos	OFF
Standby Battery	OFF
Master Switch	OFF
Fire Extinguisher	READY

ENGINE FAILURE DURING TAKE OFF

ON RUNWAY

Throttle	RETRACT
Brake	APPLY

IMMEDIATELY AFTER TAKEOFF

Airspeed	70 KIAS
Throttle	RETRACT
Mixture	IDLE CUTOFF
Flaps	FULL
Fuel Shutoff Valve	OFF
Magnetos	OFF
LAND	STRAIGHT AHEAD
ELT	ON
Radio	MAYDAY
Standby Battery Switch	OFF
Master Switch	OFF
Doors	UNLATCH

ENGINE FAILURE DURING FLIGHT

Airspeed	68 KIAS
Fuel Shutoff Valve	ON
Fuel Selector	BOTH
Fuel Pump	ON
Mixture	FULL RICH
Magnetos	BOTH (or START as required)
Fuel Pump	OFF (ON if FLOW GPH drops to zero)

EMERGENCY LANDING

Airspeed	68 KIAS
Landing Area (keypoint)	IDENTIFY
Radio	MAYDAY
ELT	ON
Transponder	7700
Mixture	IDLE CUTOFF
Fuel Shutoff Valve	OFF
Magnetos	OFF
Flaps	FULL
Standby Battery Switch	OFF
Master Switch	OFF
Seatbelts	TIGHTEN
Doors	UNLATCH

ENGINE FIRE IN FLIGHT

Mixture	IDLE CUTOFF
Fuel Shutoff Valve	OFF
Fuel Pump	OFF
Master Switch	OFF
Cabin Air / Heat	OFF

> Go to **Emergency Landing** checklist.

ELECTRICAL FIRE

Standby Battery Switch	OFF
Master Switch	OFF
Vents / Cabin Air / Heat	CLOSED
Fire Extinguisher	ACTIVATE

ALTERNATOR FAILURE

Master Switch (ALT only)	OFF
Alternator Circuit Breaker	CHECK IN
Master Switch ALT	ON
LOW VOLTS Annunciator Remains On	REDUCE ELECTRICAL LOAD
LAND	AS SOON AS POSSIBLE

Takeoff and Climb-out Procedure

- Full throttle
- 2300 RPM minimum
- All green on engine instruments
- Airspeed alive
- Rotate at 55 KIAS
- Climb speed 75 KIAS
- Flaps UP at safe altitude
- Start turn at 500 feet AGL

V _{SO}	40 KIAS
V _{S1}	48 KIAS
V _X	62 KIAS
V _Y	74 KIAS
V _A	90-105 KIAS
V _{L/D}	68 KIAS
V _R	55 KIAS
Fuel capacity	56 Gal - 337 Lbs / 212 L - 153 Kg
Usable fuel	53 Gal / 200 L
Oil capacity	8 Quarts
Minimum oil level	5 Quarts
Max T/O weight	2550 Lbs / 1156 Kg

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