

LN-IMA

BEFORE START

Preflight Inspection	COMPLETE
Aircraft Documents	ON BOARD
Aircraft Log	DI / HOLD ITEM
Tow Rod / Wheel Blocks	REMOVED
Parking Brake	SET
Doors	CLOSED & LATCHED
Passenger Briefing	COMPLETE
Seats / Belts / Harness	ADJUST & LOCK
ELT	ARMED
Circuit Breakers	CHECK IN
Avionics	OFF
Carburetor Heat	OFF
Fuel Shutoff Valve	ON

STARTING ENGINE

Engine Fire Procedure	BRIEF
Throttle	OPEN 1 cm
Master Switch	ON
Beacon	ON
Mixture	FULL RICH
Prime	AS REQUIRED
Starter	ENGAGE
Throttle	1000 RPM
Oil pressure	CHECK
Primer	LOCKED
Radio	ON
Transponder	ALT / 7000
Gyro	SET
NAV Lights	ON as required

TAXI CHECK

Mixture	LEAN
Brakes / Steering	CHECK
Turn Coordinator	CHECK
Gyro / Compass	CHECK

GROUND CHECK

Parking brake	SET
ATIS	OBTAIN
Altimeter	SET QNH
Clearance & Start-up	REQUEST
Transponder	SET / ALT
Flight Controls	FREE & CORRECT
Flight Instruments	NORMAL
Fuel Quantity	CHECK
Trim	SET FOR TAKEOFF
Flaps	CHECK & SET
Mixture	RICH
Throttle	1700 RPM
Magnetos	R - BOTH - L - BOTH
• Max drop 125 RPM, max difference 50 RPM.	

Vacuum	CHECK
Alternator	CHECK
Oil Temp / Pressure	CHECK
Carburetor Heat	CHECK
Throttle	IDLE, Then 1000 RPM
Mixture	LEAN
Departure / Engine Failure Procedure	BRIEF

BEFORE TAKE-OFF

Flaps	UP / 10 degrees
Landing Lights	ON
Mixture	RICH
Gyro	SET

CRUISE

Power	SET
Mixture	LEAN
Landing Lights	OFF
Flaps	UP

BEFORE LANDING

Seats / Belts / Harness	ADJUST & LOCK
Landing Light	ON
Mixture	RICH
Primer	LOCKED
Carburetor Heat	AS REQUIRED
(OFF when on short final)	

GO AROUND PROCEDURE

Throttle	FULL
Carburetor Heat	OFF
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
Landing Light	OFF
Mixture	LEAN

SHUTDOWN

Parking Brake	SET
Transponder	7000 / OFF
Radio	OFF
Throttle	IDLE
Magnetos	CHECK GROUNDING
Mixture	IDLE CUTOFF
Magnetos	OFF
Beacon / Lights	OFF
Master Switch	OFF

FIRE DURING START UP

IF ENGINE DOES NOT START

Engine	CRANK
Mixture	IDLE CUTOFF
Throttle	OPEN

> Secure engine

IF ENGINE STARTS

Engine RPM	1700 RPM for 2 min
Mixture	IDLE CUTOFF
> Secure engine	
Fuel Shutoff Valve	OFF
Master Switch	OFF
Fire Extinguisher	READY

ENGINE FAILURE DURING TAKE OFF

ON RUNWAY

Throttle	RETRACT
Brake	APPLY

IMMEDIATELY AFTER TAKEOFF

Airspeed	60 KIAS
Throttle	RETRACT
Mixture	IDLE CUTOFF
Flaps	FULL
Fuel Shutoff Valve	OFF
Magnetos	OFF
LAND	STRAIGHT AHEAD
ELT	ON
Radio	MAYDAY
Master Switch	OFF
Doors	UNLATCH

ENGINE FAILURE DURING FLIGHT

Airspeed	60 KIAS
Fuel Shutoff Valve	ON
Carburetor Heat	ON
Mixture	FULL RICH
Primer	LOCKED
Magnetos	BOTH
(or START if propeller has stopped)	

EMERGENCY LANDING

Airspeed	60 KIAS
Landing Area (keypoint)	IDENTIFY
Radio	MAYDAY
ELT	ON
Transponder	7700
Mixture	IDLE CUTOFF
Fuel Shutoff Valve	OFF
Magnetos	OFF
Flaps	FULL
Master Switch	OFF
Seatbelts	TIGHTEN
Doors	UNLATCH

ENGINE FIRE IN FLIGHT

Mixture	IDLE CUTOFF
Fuel Shutoff Valve	OFF
Cabin Air / Heat	OFF
> Go to Emergency Landing checklist.	

ELECTRICAL FIRE

Master Switch	OFF
All Other Switches (except ignition switch)	OFF
Vents / Cabin Air / Heat	OFF
Fire Extinguisher	ACTIVATE
Cabin	VENTILATE

ALTERNATOR FAILURE

Radios	OFF
Master Switch (both)	OFF
Master Switch	ON
Alternator Circuit Breaker	CHECK IN
Low Voltage Light	CHECK OFF
Radios	ON
> If Low Volt Light illuminates again	
REDUCE ELECTRICAL LOAD	
LAND	AS SOON AS POSSIBLE

Takeoff and Climb-out Procedure

- Full throttle
- 2100 RPM minimum
- All green on engine instruments
- Airspeed alive
- Rotate at 50 KIAS
- Climb speed 60-67 KIAS
- Flaps UP at safe altitude
- Start turn at 500 feet AGL

V _{SO}	35 KIAS
V _{S1}	40 KIAS
V _X	54 KIAS
V _Y	67 KIAS
V _A	104 KIAS
V _{L/D}	60 KIAS
V _R	50 KIAS
Fuel capacity	26 Gal - 156 Lbs / 98 L - 71 Kg
Usable fuel	24,5 Gal / 93 L
Oil capacity	6 Quarts
Minimum oil level	4 Quarts
Max T/O weight	1671 lbs / 758 Kg

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