

EMERGENCY EMERGENCY EMERGENCY

Before Starting	
Walk Around	COMPLETE per POH
Weight & Balance	CHECK
Documents	A.R.O.W
Hobbs	NOTED
Fuel	QUANTITY, SUMPED
Fluids	OIL, COOLANT, BRAKE
Chocks/Tie-down	REMOVED
Canopy	CLOSED.LOCKED
Seat Belts	ON.LOCKED
Flaps	0 DEG
Ignition Key	OFF
Throttle	IDLE.BACK
Switches	OFF. ALL DOWN
Circuit Breakers	CHECK ALL IN
Parking Brake	OFF

While Taxiing	
Brakes	CHECK OPS
Control Stick	SET FOR WIND DIR.

Run Up Area	
C.I.G.A.R.R.S.	
Controls (Flight)	FREE. CLEAR. CORRECT
Instruments	SET Altimeter
Gas	FUEL SELECTOR - LEFT
Attitude	TRIM set for take-off
Radios	SET
Run Up	Oil Temp ABOVE 122 deg
	Parking Brake - Set
	4000 RPM -300 drop-150 diff.
	CHECK Eng Gauges, Carb Heat
	CHECK Idle
Safety	Seat Belts. Canopy LOCKED

Before Entering the Runway	
Lights	BEACON ON
	GPS Display Back Light Set
Locks	Canopy, Seat Belts, Baggage
Transponder	ALT. 1200
Check	Sweep the Panel
	Breakers, Switches, Instrmnts
	FUEL SELECTOR - LEFT
	FUEL PUMP - ON
	FLAPS - 15 deg
	PARKING BRAKE - OFF
	PATTERN - CHECK CLEAR

Take-Off	
Vx	55 kts
Vy	63 kts
Va	86 kts
Vglide	57 kts
Max Crosswind	10 kts

Engine Start	
Master	ON
Fuel Selector	LEFT
Fuel Pump	ON
Choke	PULL ON For cold start
Throttle	IDLE. Pull to stops
Beacon	ON
Prop Area	CLEAR
Ignition Key	START
Idle	2000-2500 RPM
Oil Pressure	+ 29 PSI
Choke	OFF
Fuel Pump	OFF
Idle	MAX 2500rpm until + 122 deg oil temp

Before Taxi	
Avionics	ON
Other electrical	AS NEEDED
Transponder	STAND BY
Radio	TUNE. Adj. Squelch Vol.
GPS	ENTER Flight Plan
Fuel Selector	RIGHT (one minute)

Climb	
Throttle	5500 rpm
Airspeed	54 - 62 kts
Flaps	0 deg.
Fuel Pump	OFF
Engine Gauges	1000 FT. AGL MONITOR

Cruise Level	
Throttle	4300 - 5000 rpm
Fuel Quantity	MONITOR
Engine Gauges	MONITOR

Cruise Descent	
Throttle	AS NEEDED
Trim	AS NEEDED
Carb Heat	AS NEEDED

Before Landing	
Fuel Selector	LEFT
Fuel Pump	ON
Carb Heat	ON
Approach speed	59 kts
Flaps	15 deg
Trim	AS NEEDED

Final Approach	
Flaps	15 - 50 deg
Airspeed	48 Kts
Trim	AS NEEDED
Carb Heat	OFF

Balked Landing	
Throttle	FULL
Flaps	15 deg
Climb	55 kts
Flaps	Retract at safe altitude
Airspeed	62 kts

Post Landing	
Fuel Pump	OFF
Flaps	0 DEG.
Transponder	STBY

Shut Down	
Throttle	IDLE
Avionics	OFF
Other Electrical	OFF
Master Switch	ON
Ignition Key	OFF; REMOVE KEY
Beacon	OFF
Master Switch	OFF
Fuel	OFF

Engine Failure During Take Off	
Airspeed	52 kts (15 deg flap)
	57 kts (0 deg flap)
Throttle	IDLE
Flaps	AS NEEDED
Fuel Selector	OFF
Ignition	OFF
Master Switch	OFF
Canopy	UNLOCK

Engine Failure During Flight	
Vglide	57 kts
Heading	EMERGENCY LANDING SITE
Fuel Pump	ON
Fuel Selector	Check tank
Carb Heat	ON . PULL
Throttle	BACK . IDLE
Ignition	START
Choke	AS NEEDED

EMERGENCY POWER OFF LANDING	
MAYDAY	121.5
Vglide	57 kts
Short Final	48 kts
Flaps	50 deg
Throttle	OFF . PULL
Fuel Pump	OFF
Master Switch	OFF
Fuel Selector	OFF
Ignition	OFF
Canopy	UNLOCK

Engine Fire on Ground	
Fuel Selector	OFF
Throttle	OPEN FULL
Ignition	OFF
Master Switch	OFF
Extinguisher	USE

Engine Fire in Flight	
Fuel Selector	OFF
Throttle	OPEN FULL
Ignition	OFF
Master Switch	OFF
Vents	SHUT
Blow Out Fire	DIVE OR SIDE SLIP
Emergency Power Off Landing	PERFORM

Electrical Fire in Flight	
Master Switch	OFF
Vents	OPEN
Extinguisher	USE
Land	