

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
Tow Bar	STOWED
Canopy	CLOSED.LOCKED
Seat Belts	ON.LOCKED
Headsets	PLUGGED IN
Trim	SET FOR TAKE-OFF
Flaps	0 DEG FOR TAXI
Center Console	LEVERS ALL IN
Ignition Key	OFF
Throttle	IDLE.BACK
Toggles	OFF. ALL DOWN
Circuit Breakers	SET. ALL IN
Parking Brake	OFF. Use Toe Brakes

Engine Start	
Battery	ON
Generator	ON
Alternator	ON
PFD/MFD	BOOTED
Fuel Pump	ON. 2-4 PSI then OFF
Choke	ON For cold start
Throttle	IDLE. Back to stops
Strobe lights	ON
Prop Area	CLEAR
Ignition Key	START
Throttle	2000-2500 RPM
Oil Pressure	+ 29 PSI
Choke	OFF Idle 2000-2500 RPM
Idle	MAX 2500rpm until + 122 deg oil temp

Before Taxi	
Avionics Master	ON
Strobes for taxi	ON. Day Ops OFF Night Ops
Position Lights	ON. Night Ops
Landing Lights	AS NEEDED
Taxi Lights	AS NEEDED
Inst. Lights	AS NEEDED
Oil Heating Lever	AS NEEDED
Transponder	STAND BY (1200 CODE)
TCAS	PWR ON
GPS	ENTER Flight Plan
Radio	TUNE. Adj. Squelch Vol.

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	ON. In
Attitude	TRIM set for take-off
Radios	SET, Check OBS
Run Up	Oil Temp ABOVE 122 deg 4000 RPM -300 drop-150 diff. CHECK Eng Gages, Carb Heat CHECK Idle
Safety	Seat Belts ON, Canopy LOCKED, Baggage STOWED

Before Entering the Runway	
Lights	STROBE LIGHTS On POSITION LIGHTS On Night TAXI LIGHT As Needed LANDING LGHT As Needed INSTRUMENT LGHTS As Need
Transponder	ALT. 1200
Check	Sweep the Panel Breakers, Toggles, Eng Gages, Instruments OIL HEAT LEVER IN . OFF FUEL PUMP ON FLAPS 0 - 15 deg PARKING BRAKE OFF PATTERN CHECK CLEAR

Speeds	
Vx	53 KTS IAS
Vy	58 KTS IAS
Vglide	58 KTS IAS
Va	90 KTS IAS
Max Cross - wind	11.7 KTS

Common Frequencies	
KAPA ATIS	120.3
KAPA Ground	121.8
KAPA Tower	118.9
Practice Area	122.75

N338MF

Cruise Climb	
Throttle	FULL
Cruise Climb	80 KTS IAS
Flaps	0 deg.
Fuel Pump	OFF 1000 FT. AGL
Engine Gages	MONITOR

Cruise Level	
Throttle	4800-5200 RPM
Trim	FOR LEVEL
Engine Gages	MONITOR
Oil Heat	AS NEEDED

Cruise Descent	
Throttle Va 90KTS	AS NEEDED
Trim	AS NEEDED
Carb Heat	AS NEEDED
Oil Heat	AS NEEDED

Pattern Entry	
Fuel Pump	ON
Throttle	3800
Flaps	White Arc, 15 DEG.
Trim	60 KTS IAS
Carb Heat	AS NEEDED
Oil Heat	LEVER IN OFF

Final Approach	
Fuel Pump	ON
Carb Heat	AS NEEDED
Flaps	15-40 DEG.
Air Speed	55 KTS IAS

Balked Landing	
Throttle	FULL
Pitch	CLIMB
Flaps	15 DEG
Carb Heat	AS NEEDED
Airspeed	53-58 KTS IAS

Post Landing	
Fuel Pump	OFF
Flaps	0 DEG.
Carb Heat	OFF
Transponder	STBY

Shut Down	
Toggles	LIGHTS, AVIONICS, FUEL PUMP: OFF
	(BATT, GEN, ALT stay on)
Throttle	BACK . IDLE
Ignition Key	OFF; REMOVE KEY
Toggles	ALL OFF
Parking Brake	ONLY IF NEEDED (use chocks instead)
Fuel	OFF . PULL OUT

Engine Failure Durin	
Land	Ahead
Air Speed	44 KTS IA:
Throttle	OFF . PUI
Fuel Pump	OFF
Alt. Gen. Batt	OFF
Fuel Valve	OFF . PUI
Ignition	OFF
Canopy	UNLOCK

Rough Engine-Turn Fuel Pur	
Engine Failure Duri	
Vglide	58 KTS IA:
Heading	EMERGEN
Fuel Pump	ON
Fuel Valve	OPEN . IN
Carb Heat	ON . PULL
Throttle	BACK . ID
Ignition	START
Choke	As NEEDE

Rough Engine-Turn Fuel Pur	
EMERGENCY POWER C	
MAYDAY	121.5
Vglide	58 KTS IA:
Short Final	48 KTS IA:
Flaps	40 DEG
Throttle	OFF . PUI
Fuel Pump	OFF
Alt. Gen. Batt	OFF
Fuel Valve	OFF . PUI
Ignition	OFF
Canopy	UNLOCK

Rough Engine-Turn Fuel Pur	
Engine Fire on G	
Fuel Valve	OFF
Throttle	OPEN FUL
Ignition	OFF
Batt. Gen. Alt.	OFF
Extinguisher	USE

Rough Engine-Turn Fuel Pur	
Engine Fire in F	
Fuel Valve	OFF
Throttle	OPEN FUL
Ignition	OFF
Batt. Gen. Alt	OFF
Canopy Vents	SHUT
Blow Out Fire	DIVE OR S
Emergency Power Off Landing	

Rough Engine-Turn Fuel Pur	
Electrical Fire in	
Batt. Gen. Alt.	OFF
Canopy Vents	OPEN
Extinguisher	USE
Land	

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criptions

g Take Off

S
LL

LL

np On, Carb Heat On

ng Flight

S NO FLAPS

NCY LANDING SITE

.
LE

ED

np On, Carb Heat On

FF LANDING

S NO FLAPS
S

LL

LL

np On, Carb Heat On

round

.L

np On, Carb Heat On

light

.L

SIDE SLIP
PERFORM

np On, Carb Heat On

Flight