	DA4O-18O (Ted Yin vl.O)	► Electric Pump·····on	■ MFD Range/Track Up···· set
		► Warm	• Instruments ······ scan
	Ground Operations	• Mixture · · · · · · · 1-3 sec	
	Initial	► Cold	• (ADSB Handheld on)
	► Papers ····· A.R.O.W.	• Mixture ····· 3-5 sec	
	► Fire Extinguisher·····check		► ELT check (121.5)
	► Mags•·····key out	▶"Prop Clear!"	► Avionics ······ off
$\bigcirc$	► Electrical ····· off	► Mags start	
	► Avionics ····· off		• ACL Strobes ····· on
	►Essential Bus ····· off	► Throttle ······ 1000 RPM	Threatic 1000 PDM
	► Mixture ······ idle cutoff	► Mixture ······ lean (peak)	► Mage off them both
	►Prop····high RPM	► 0il Pressure ······ 15 sec	Mixture idle cutoff
	► Throttle ····· idle	► Electric Pump ····· off	Mags for out
	► Master ···· on	► Alternators ····· on	Tach Time note
	► Flaps····· check & set T/0	► Engine Inst. · · · · · check	
	► Lights/Pitot····· test		► Master ····· off
	►Fuel Pump······check	• Volts/Amps ··· 25-30V/2-75A	
	► Fuel ····· note	r	Post-Flight
	► Master····off		► (ADSB Handheld ····· off)
	► Controls ···· free & correct	► Flaps ······ UP₁ then T/0	► Filght Plan ······ Close
$\bigcup$	► Hobbs Time ····· note		
	Walkaround	► Avionics ····· on/set	
	► Fuel/0il ····· test/sample	► Fuel Totalizer ······ enter	
	· ► Caps/Drains/Vents	► ATIS ····· PFD/backup/AP(?) ► Radio ···· test	
	► Surfaces/Controls	► Transponder squawk	
	►Stall Strips/Fairings	► Check ······ TC/AI/HSI<->MC	
	► Exhaust/Antennas		
	►Prop/Air Intakes x3	► Clearance ······ obtain ► Brakes ···· release/test	► Electric Pump ····· off
	► Pitot/Static/Stall		
	► Struts/Tires/Brakes	Run-Up	► Throttle · · · · · mid position
	► Ties/Chocks	► Brake ····· set ► Seat Belts ··· check	
	► Canopy/Door		
()	►Final Walkaround	► Canopy/Door ················lock	
_	Pre-Start	▶ Door Warning ···· off	·
	▶ Passenger ···· brief	► Flight Controls ······ check ► Heading/Altitude ···· set	
	▶ Rear Door····· secure		
	► Canopy ····· pos · 1/2	► Com/Nav/FPL · · · set	
	► Seat Belts ····· on	_	► VsD · · · · · · · · · · · · · · · · · · ·
	▶ Brakes ····· test/set	• Mixture fullest	► Mass····· 2646/2535/2205/1874
	► Circuit Brkrscheck	• Throttle ······ 2000 RPM	■ Vg · · · · · · 76/73/68/60
1	►Strobe (ACL) ·····on	• Cycle Prop x3 =250~500	■ Vy(Up) · · · · · · · 7Ь/73/Ь8/Ь0
	► Avionics·····off	• Mags • L/R ····· -175, +/-50	■ Climb(T/0) ····· 67/66/60/54
	► Essential Bus ····· off	• Alternate Air ······· check	• Approach
	► Mixture ····· idle cutoff	• Indicators check	· Up · · · · · · · · 7Ь/73/ЬВ/ЬО
$\bigcirc$	► Prop·····high RPM	• Throttle · · · · idle	· T/0 · · · · · · 74/72/66/59
	► Friction ·····adjust	• Throttle ······· 1000 RPM	· LDG · · · · · · · · 73/71/63/58
	► Master (Battery) ···· on	• Mixture ······ lean	▶ Va MÄM 40–227
	► Rudder Pedals adjust	• Each Tank ····· l min 1500	• yes ····· 111 0 2646-2284
	►G1000 DB Date·····check	► Full Check (initial)	• no ······· 108 a 2535-2161
	► Fuel Selector ····· least	• Alternate Static ···· check	• o/w 94 0 below 2284/2161
	Start	• GPS/System/Ann• ····· check	►Steep Turn: <=45°, >=68
	► Throttle ······ 1.2"	• AP MET/HDG	
	·		

In-Flight Operations	Descent	2. Mixture ··· full/check
Pre-Takeoff	► Mixture ····· richen slowly	3. Pump on
► Abort Plan/Lost Comm.	► Throttle ····· as required	4. Alternate Air on
► Canopy/Door ······ lock	▶ Prop 1800-2400 RPM	5. Magscheck all
► Trim T/0		► Glide and Trim
► Fuel Selector ····· fullest	► CHT Cool Down	■ Airspeed ······ 7L-LO KIAS
( )►Flaps T/0	•<= 50°F(22.8°C)/min.	• Windmill······ 1.45nm/lkft
► Mixture ····· rich	Pre-Landing	• Stationary ····· 1.7nm/lkft
► Prop ···· high RPM	► ATIS/Rwys/Approach Plan	► Wind and Landing Site
▶ Pitot Heat as required	► "CCGUMPSF"	► Longer Flow
► (Air Conditioner ····· off)	• G Fuel Selector	■ Engine Instcheck
►Review Airspeeds	M Mixture rich	• Short Flow
▶ Time ····· note/start	• P Pump on	► Windmill Restart
Takeoff	• P Prop ····· high RPM	• Airspeed ····· 70-80 KIAS
► "Lights, Camera, Action"	• Seat Beltssecure	• Mags · · · · both
• Electric Pump ······ on	• F Flapsas required	• Mixture lean then slowly
• Mixture/Prop/Throttle	. T/O	richen
► Engine Instgreen	· LDG················· ƏL KIAS	Stationary Restart
► Vr ····· 59, then ···· 67-60	▶ Trim····· as required	• Airspeed ······ &D KIAS
► Safe Altitude	▶ Lights · · · · · as required	• Electrical ····· off
■ Prop2400 RPM	► Approach Speed·····73-58	• Avionics ····· off
• Pump off	► (Air Conditioner ····· off)	• Master · · · · on
• Lights ····· as required	Go Around	• Mags• · · · · start
Climb	► Throttle ····· full	► Engine-off Landing
	► Vy 67-54 KIAS	• Fuel Selector off
► T/O: Vy 67-54 KIAS	▶ Flaps T/0	<ul><li>Mixture idle cutoff</li><li>Mags off</li></ul>
► Cruise ······ 76-60 KIAS	► Safe Altitude	• Master · · · · · off
• Flaps UP	■ Prop 2400 RPM	Belt and Seat · · · · · check
► Mixture rich	• Pump off	• Flaps······ LDG (when able)
•>5000 hold const. EGT	• Lights ···· as required	• Unlatch Door?/Brace
Prop 2400 RPM	• Cruise Climb	Engine Fire
Throttle full	Post-Landing	► Cabin Heat ····· off
► Engine Inst green	► Throttle ····· 1000 RPM	
► High Altitude ···· pump on	► Mixture ····· lean	► Emergency Descent ► Landing is ensured
	► Flaps UP	• Fuel Selector ····· off
(ruise	► Electric Pump ····· off	• Throttle full
►Flaps ····· UP	▶ Pitot Heat ····· off	• Pump ······ off
► Throttle ····· 21-24"	► Trim T/0	• Master · · · · · · on
► Prop 1800–2400 RPM		• Emergency Windows ···· open
► Mixture	► Clearance ····· obtain	► Engine-off Landing
■ Economy ···· max EGT¬ <=75%	CO Contamination	Electrical Fire
• Best 100°F(55°C) lower		► Emergency Switch ····· on
• Higher Power ····· richen		► Master off
► High Altitude ···· pump on		► Cabin Heat ····· off
✓ ► Flow Check (♠15 min)		► Emergency Windows ····· open
■ Trim¬ Switch Tanks	DO NOT unlock rear door	► Canopy ····· partially
• Mixture/Prop/Throttle	during flight)	► Land ASAP
• Flaps: Engine Inst.		
• Pump₁ Mag∙₁ Master	Engine Failure	
► CHT	► Short Flow	
- ATT 7P3_CCU_L	1. Fuel Selector fullest	