DA4O-18O (Ted Yin vl.O)	·	• MFD Range/Track Up ···· set
Ground Operations	• Warm	• Instruments scan
Initial	• Mixture 1-3 sec	Lights ······ as required(ADSB Handheld ····· on)
► Papers A.R.O.W.	ColdMixture 3-5 sec	
► Fire Extinguisher ··· check		► ELT check (121.5)
Mags. · · · · · key out	► Electric Pump ····· off	
	► "Prop Clear!"	► Electrical ····· off
► Avionics·····off	► Mags start	
► Essential Bus ····· off	Mixture · · · · rich	► Throttle ······ 1000 RPM
Mixture ······ idle cutoff▶ Prop ····· high RPM	► Throttle ······ 1000 RPM	► Magsoff then both
► Throttle · · · · idle	▶ 0il Pressure ····· 15 secs•	► Mixture ····· idle cutoff
► Master on	► Fuel Pressure ···· 14-35 psi	► Magskey out
► Flaps······ check & set T/0	► Master (Alternator) ····· on	
► Lights/Pitot····· test	Volts/Amps ····· 25-30V/2-75AEngine Inst ······ no Xs	
► Fuel Pump·····check	► Mixture ······ lean (peak)	1 03C T TIGHT
► Fuel ····· note	Pre-Taxi	► (ADSB Handheld ······ off)
▶ Master off	► Flaps UP ₁ then T/0	► Flight Plan ······ close
Controls free & correct	► Lights as required	
→ Hobbs Time note	► Avionics ······ on/set	
Walkaround	► GPS····· DB date	
► Fuel/0il ······ test/sample	► Fuel Totalizer ····· enter	
► Caps/Drains/Vents	► ATIS····· PFD/backup/AP(?)	► Canpoy/Door ······ lock
Surfaces/ControlsStall Strips/Fairings	$\blacktriangleright \ Radio \cdots \cdots test$	► Post-Flight ····· walkaround
► Exhaust/Antennas	► Transponder · · · · · squawk	
► Prop/Air Intakes x3	► Check ······· TC/AI/HSI<->MC	► Electric Pump ····· off
► Pitot/Static/Stall	► Clearance ····· obtain	► Mixture ···· lean (full aft)
Struts/Tires/Brakes	▶ Brakes ····· release/test	
► Ties/Chocks	Run-Up	► Mags start
► Canopy/Door	▶ Brake · · · · set	
Final Walkaround	► Seat Belts······check ► Canopy/Door·····lock	
Pre-Start	► Door Warning ····· off	
► Rear Door····secure	► Flight Controls ······ check	
► Rudder Pedals adjust	► Heading/Altitude ····· set	Vr
► Seat Beltson	► Comm /Nou /EDI cot	▶ Vs0 · · · · · 52
Parking/Brakes ···· test/setCircuit Brkrs ···· check	► Engine	► Mass ··· 2646/2535/2205/1874
► Strobe (ACL) on	• Fuel Selector ····· fullest	• Vg ····· 76/73/68/60
► Avionics······off	• Mixture ····· rich	• Vy(Up) ····· 76/73/68/60
► Essential Bus ····· off	• Throttle ······ 2000 RPM	• Climb(T/O) ····· 67/66/60/54
► Fuel Selector ····· least	 Cycle Prop x3···· -250~500 Mags. L/R···· -175, +/-50 	• Approach Speeds
► Canopy····pos. 1/2	• Alternate Air check	· Up · · · · · · · · · 7Ь/73/Ь8/Ь0
► Passenger ···· brief	• Indicators ····· check	· T/0······ 74/72/ЬЬ/59 · LDG····· 73/71/Ь3/58
Start	• Throttleidle	► Va
► Prime	• Throttle1000 RPM	• MÄM 40-227
Mixtureidle cutoff	• Mixture ······ lean	· yes ······ 111 @ 2646-2284
• Prop ····· high RPM		· no ······ 108 @ 2535-2161
• Friction adjust	• Alternate Static ···· check	• o/w 94 @ below 2284/2161
Master (Battery) ······ onThrottle ····· 1.2"	GPS/System/Ann. ····· checkAP ····· MET/HDG	► Steep Turn: <=45°, >=68
- 1111 2301E II•L	מון וויייייייייייייייייייייייייייייייייי	

In-Flight Operations	Descent	2. Mixture ·· full/check
Pre-Takeoff ► Abort Plan/Lost Comm. ► Canopy/Door lock ► Trim T/0 ► Fuel Selector fullest	► High Altitude ···· pump on	3. Pump
<pre>► Flaps T/0 ► Mixture rich ► Prop high RPM ► Pitot Heat as required ► (Air Conditioner off) ► Review Airspeeds ► Time note/start</pre>	<pre>- <= 50°F(22.8°C)/min. Pre-Landing - ATIS/Rwys/Approach Plan - "CCGUMPSF" - 6 Fuel Selector - M Mixture</pre>	 Windmill 1.45nm/lkft Stationary 1.7nm/lkft Wind and Landing Site Longer Flow Engine Inst check Short Flow
Takeoff Takeoff Itights Camera Action Electric Pump on Mixture/Prop/Throttle Engine Inst. green Vr. 59 then 57-60 Safe Altitude Prop 2400 RPM Pump off	■ Seat Belts secure ■ F Flaps as required ■ T/0 SlOB KIAS ■ LDG SPI KIAS ■ Trim as required ■ Lights as required	 Mags Mixture slowly richen Stationary Restart Airspeed Electrical Avionics Master both Both KIAS Flectrical off Master
• Lights as required Climb • T/O: Vy	► Throttle full ► Vy	 Mags. Engine-off Landing Fuel Selector Mixture Mags. off Master e Belt and Seat check Flaps LDG (when able) Unlatch Door?/Brace Engine Fire Cabin Heat off
➤ Trim······ as required ➤ High Altitude ··· pump on Cruise ➤ Flaps ··· UP ➤ Throttle ··· 21-24" ➤ Prop ··· 1800-2400 RPM ➤ Mixture ■ Economy ··· max EGT¬ <=75% ■ Best··· 100°F(55°C) lower	➤ Throttle	► Emergency Descent ► Landing is ensured • Fuel Selector off • Throttle full • Pump off • Master on • Emergency Windows open ► Engine-off Landing Electrical Fire
• Higher Power ······· richen → High Altitude ··· pump on → Flow Check (→ 15 min) • Trim, Switch Tanks • Mixture/Prop/Throttle • Flaps, Engine Inst. • Pump, Mag, Master → CHT ······ 150-400°F → Oil ··· 145-220°F	 ▶ Ventilation ········· open ▶ Emergency Windows ····· open ▶ Canopy ···· open (partially open in the property of the property open in th	► Emergency Switch