DA4O-18O (Ted Yin vl.O)	►Electric Pump·····on	■ MFD Range/Track Up···· set
Ground Operations	► Warm	• Instruments ····· scan
<u> </u>	• Mixture ··········l-3 sec	• Lights ····· as required
Initial	► Cold	• (ADSB Handheld on)
► Papers ······ A·R·O·W·	• Mixture 3-5 sec	
► Fire Extinguishercheck	• Throttle · · · · · · · · · · · · · · · · · · ·	► ELT check (121.5)
► Mags. · · · · key out	▶"Prop Clear!"	► Avionics ····· off
✓ ► Electrical ····· off	▶ Mags. · · · · start	
► Avionics ····· off		• ACL Strobes ····· on
► Essential Bus ····· off	► Throttle ······ 1000 RPM	▶ Throttle 1.ППП RPM
►Mixtureidle cutoff	► Mixture ······ lean (peak)	▶ Magsoff then both
►Prop·····high RPM	► 0il Pressure ····· 15 sec	► Mixture idle cutoff
► Throttle ····· idle	►Electric Pump·····off	▶ Mags key out
► Master ···· on	► Alternators ····· on	▶ Tach Time note
►Flaps······check & set T/0	► Engine Instcheck	► (Standhy Alternator ··· off)
► Lights/Pitot····· test		► Master ····· off
►Fuel Pump·····check	• Volts/Amps ···· 25-30V/2-75A	
► Fuel ····· note		Post-Flight
► Master·····off		► (ADSB Handheld ······ off)
► Controls ····· free & correct	►Flaps ····· UP ₁ then T/0	
✓ ► Hobbs Time · · · · note	▶ Lights ···· as required	
Walkaround	► Avionics ····· on/set	
► Fuel/0il ····· test/sample	► Fuel Totalizer ····· enter	
► Caps/Drains/Vents	► ATIS ····· PFD/backup/AP(?)	
► Surfaces/Controls	▶ Radio·····test	
► Stall Strips/Fairings	► Transponder · · · · · squawk	
► Exhaust/Antennas	► Check ······ TC/AI/HSI<->MC	Flooded Engine
▶ Prop/Air Intakes x3	► Clearance ····· obtain	► Electric Pump ····· off
▶ Pitot/Static/Stall	▶ Brakesrelease/test	► Mixture ···· lean (full aft)
► Struts/Tires/Brakes	Run-Up	▶ Throttle ····· mid position
► Ties/Chocks	▶ Brake · · · set	
► Canopy/Door	► Seat Belts·····check	► When engine fires:
Final Walkaround	► Canopy/Door · · · · lock	■ Throttleidle
	▶ Door Warning·····off	Mixture ····· rich (rapidly)
Pre-Start	▶ Flight Controls ····· check	
▶ Passenger ···· brief	► Heading/Altitude ····· set	
▶ Rear Door secure	► Com/Nav/FPL · · · set	▶ Vr
► Canopy pos. 1/2	► Engine	► VsD · · · · · · 52
► Seat Belts · · · · on	• Fuel Selector ····· fullest	► Mass···· 2646/2535/2205/1874
► Brakes · · · · test/set	■ Mixture ····· rich	• Vg ····· 76/73/68/60
► Circuit Brkrscheck	• Throttle·····2000 RPM	• Vy(Up) ······ 7Ь/73/ЬВ/ЬО
► Strobe (ACL) · · · · · on	• Cycle Prop x3···· -250~500	• Climb(T/O) ····· 67/66/60/54
► Avionics off	• Mags. L/R···· -175, +/-50	• Approach
► Essential Bus · · · · · off	• Alternate Air·····check	· Up ····· 7Ь/73/ЬВ/ЬО
► Mixture ····· idle cutoff	• Indicators ····· check	· T/0······ 74/72/66/59
Prop high RPM	• Throttle·····idle	· LDG · · · · · 73/71/63/58
Friction adjust	■ Throttle·······1000 RPM	► Va
► Master (Battery) on	• Mixture ····· lean	• yes ······ 111 @ 2646-2284
► Rudder Pedals ····· adjust	• Each Tank ·····l min₁ 1500	• no ······ 108 @ 2535-2161
► G1000 DB Date · · · · · · check	► Full (heck (initial)	• o/w 94 0 below 2284/2161
► Fuel Selector ····· least	• Alternate Static ···· check	► Steep Turn: <=45°, >=68
Start	• GPS/System/Ann. · · · · check	- зосер типт- 1 1 1 / ца
► 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 Belts secure	• Mags · · · · both
• Electric Pump ······ on	• F Flapsas required	• Mixture lean then slowly
• Mixture/Prop/Throttle	· T/0 ······ <108 KIAS	richen
► Engine Instgreen	CAIN LP>Odl ·	► Stationary Restart
► Vr ····· 59, then ···· 67-60	▶ Trim····· as required	• Airspeed ······ &D KIAS
► Safe Altitude	$\blacktriangleright \text{Lights} \cdots \cdots $ 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	Mixture idle cutoffMags off
► Cruise ······ 76-60 KIAS	► Safe Altitude	• Master · · · · · off
• Flaps UP	■ Prop2400 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	► Lights ···· as required	• 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 • CHT ····· 1,50-400°F	Engine Failure	
► 0il ······ 165-220°F	► Short Flow	
- ATT 7P3_CCU_L	1. Fuel Selector fullest	

	C1338 C1000 (Tc4 3)	Mississe 7/10 of the	Takasis
	C172S-G1000 (Ted v1.2)	► Mixture	Takeoff
	Initial	► "Prop Clear!"	►"Lights a Camera a Action"
,	Papers ····· A.R.O.W.	► Mags start	Mixture/Throttle
	Control Lock·····off	► Throttle ······ 1000 RPM	► Engine Instgreen
	Mags key out	► 0il Pressure ····· 30 secs•	▶ Vr · · · · 55 kts
	Mixture idle cutoff	► Volts/Amps ······ [>26] [>0]	► Vx····· 62 kts₁ Vy···· 74 kts
	Throttle idle	► Mixture ······ lean for taxi	Climb / Cruise
	Avionics off	Pre-Taxi	► Cruise Climb······ 75-85 kts
	Fuel Shutoff ···· on	▶Flaps ·····up	• Flaps up
,	► Fuel ····· both	▶lightsas required	► Mixture ······ lean >3000
,	► Master ···· on	▶ Avionics ····· on/set	► Flow Check (↑ 15 min)
,	► Fuel ····· note	▶ GPS 295 date	
1	► Flaps·····down	► Fuel Totalizer ····· enter	• Fuel Trim
1	Lights/Pitot····· test	► ATTS · · · · · · PFD/backup/AP(?)	Flaps: Engine Inst.Mixture: Throttle
1	► Avionics on/off ····· fans	▶ Radio test	• Master: Mag:: Pump
,	Masteroff	► Transponder ····· squawk	
,	Hobbs Time note	► Check ····· TC/AI/HSI<->MC	Descent
	Walkaround	$ ightharpoonup$ Clearance $\cdots\cdots$ obtain	► Mixture ····· richen slowly
	Fuel/0il····· dip/sample	▶ Brakes ···· test	▶ Throttle · · · · · as required
()	Caps/Drains/Vents	Run-Up	► Flow Check
	Surfaces/Controls	▶ Brakes ····· set	Pre-Landing
,	Exhaust/Antennas	► Seat Belts······check	
1	Prop/Belt/Air Intake	► Doors/Windows ····· secure	FAIT7/KMAZ & Latteruz
1	Pitot/Static/Stall	► Flight Controls ····· correct	
,	Gear/Tires/Brakes	► Instruments ······ scan	• G: Fuel ······· on/both
•	►Ties/Baggage Door	► Alternate Static ····· check	• M: Mixture ········ rich
1	Final Walkaround	► APMET/HDG	• S: Seat Belts ······ secure
1	Pre-Start	▶ Trim····· takeoff	• F: Flaps ······ as required ▶ Trim ····· as required
		▶ Fuel ····· on/both	► Ldg. Light · · · · on
	Belts/Seat Track	► Hdg./Alt. Bugs	► Approach ·········· 8D-65 kts
	▶ Brakes ······ check₁ set		
	Circuit Brkrscheck	►MFD Range/Track Up	Post-Landing
\smile	Passenger brief	► Comm/Nav/VOR/FP	► Throttle ······ 1000 RPM
,	Beacon on	▶ Mixture · · · · rich	► Mixture ······ lean
,	Avionicsoff	► Throttle ······ 1800 RPM	▶ Flaps ····· up
,	Fuel both	► Mags • · · · · · 150 1 50	▶ Pitot Heat ····· off
	Start	▶Engine Instcheck	▶ Trim····· takeoff
		► Idle Check	► Lights ···· as required
•	Fraino Ind	► Throttle ······· 1000 RPM	► Clearance ····· obtain
	► Engine Indno Xs ► Volts	► Mixture ······ lean	Shutdown
	Vanc	► Lightsas required	► ELT check (121.5)
	► Prime:	► ADSB Handheld on	► Avionics ······ off
	• Mixture ······ idle cutoff	Pre-Takeoff	► Lights off
	Brakes secure		Beacon on
\bigcup		► Fuel ····· on/both	
		► Flaps 0-10°	
		► Mixture ····· rich	
		► Aux • Pump ····· off	
	•	▶ Pitot heat as required	
	·warm: D-3 sec ·cold: 3-5 sec	► Review Airspeeds	► Tach Time ····· note
	• Aux. Pump off	► Time ····· note/start	
	- Aux - Fullip OTT		222y - 2430C. y 011

Post-Flight
► ADSB Handheld ···· off
► Tiedowns/Chocks
▶ Pitot Cover
▶ Fuel ····· switch to L/R
► Gust Lock
►Close Flight Plan
/►Hobbs Time·····note
► Check Under Seats
► Cabin / Baggage ······· lock
► Post-Flight Walkaround
Engine Failure
► Short Flow
■ Fuel ····· on/both
■ Mixture full/check
• Electrical Pump ···· on
• Alternate Air ···· on
• Mags • · · · · · · · check all
►Glide and Trim
) • Speed: Lå kts
• Ratio: 9, 1.48nm/1000ft
► Wind and Landing Site
► Longer Flow
• Engine Indicators
• Short Flow Again
► No Restart
• Fuel ····· off
• Mixture ······ idle cut-off
Prop/Throttle offMags off
• Master off
• Belt and Seat ······ check
Inlatch Door
- OUTUCAL DOOL

▶ Approach 80/70/65 kts

• Brace