DA4O-18O (Ted Yin vl.l)	• Mixture ······ 1-3 sec	• Indicators ····· check
Ground Operations	► Cold	■ Throttle ·····idle
Initial	• Mixture ····· 3-5 sec	• Throttle ······ 1000 RPM
	• Throttle ···· D•4"	
► Papers ········· A·R·O·W·	▶ "Clear Prop!"	• Each Tank ···· l min¬ l500
► Fire Extinguisher ···· check	▶ Mags• · · · · start	
Mags key out	■ Mixture·····rich	► ELT····· check (121.5)
/►Electrical ····· off		► Avionics ····· off
► Avionics · · · · · off	► Mixture ······ lean (peak)	► Electrical ····· off
► Essential Bus · · · · off	▶ 0il Pressure ····· 15 sec	• ACL Strobes ···· on
<ul><li>Mixture ······idle cutoff</li><li>▶ Prop ······ high RPM</li></ul>	► Electric Pump·····off	► Throttle············1000 RPM
·	► Alternators · · · · on	► Mags off then both
► Throttle ···· idle  ► Master ··· on	► Engine Indicators ··· check	► Mixtureidle cutoff
► Flaps ····· check & set T/0	Pre-Taxi	► Mags. · · · · key out
► Lights/Pitot ······ test	► Flaps ······ UP₁ then T/0	▶ Tach Time · · · · · note
► Fuel · · · · · · note	▶ Lights · · · · · as required	► (Standby Alternator · off)
► Master off	► Avionics ····· on/set	▶ Master ····· off
► Controls… free & correct	► Fuel Totalizer ····· enter	
➤ Hobbs Time ······· note	► ATIS ····· PFD/backup/AP(?)	► Flight Plan·····close
		► Hobbs Time ····· note
Walkaround	► Transponder · · · · · · check	► Under Seatscheck
► Fuel/0il····· test/sample	► Check ······ AI/HSI(MC)/TC	► Gust Lock·····on
► Caps/Drains/Vents	► Clearance ····· obtain	▶ Pitot Cover·····on
► Surfaces/Controls	▶ Brakes ····· release/test	► Tiedowns/Chocks·····on
► Exhaust/Antennas	Run-Up	► Canpoy/Door ····· lock
▶ Prop/Air Intakes x3	▶ Brake ····· set	Flooded Engine
► Pitot/Static/Stall		► Electric Pump·····off
► Struts/Tires/Brakes		► Mixture…·lean (full aft)
► Ties/Chocks	, ,	► Throttle ····· mid position
► Canopy/Door	<del>-</del>	▶ Mags• ····· start
► Final Walkaround	► Instruments	► When engine fires:
Pre-Start	• Alternate Static ··· check	• Throttle ····· idle
/⊳Passenger····brief		<ul><li>Mixture ···· rich (rapidly)</li></ul>
▶ Rear Door ····· secure	• AP MET/HDG	
► Canopy ···· pos. 1/2	• Heading/Altitude ····· set	
► Seat Belts ···· on		► Vr 59
▶ Brakes ····· test/set	• MFD Range/Track Up ··· set	► VsD······ 49, Vsl····· 52
► Circuit Brkrscheck	• Instruments ······ scan	► Mass ··· 2646/2535/2205/1874
►Strobe (ACL) ···· on	• Lightsas required	
► Avionics ····· off	► Engine	<ul> <li>Vg · · · · · · · · · · · · · · · · · · ·</li></ul>
► Essential Busoff	• Fuel Selector ····· fullest	the state of the s
► Mixtureidle cutoff	• Mixture ······ rich	<ul><li>Climb(T/0) ···· 67/66/60/54</li><li>Approach</li></ul>
▶Prop····high RPM	• Throttle ····· 2000 RPM	""
► Friction ····· adjust	• Cycle Prop x3···250~500	· Up······76/73/68/60 · T/0······74/72/66/59
> Master (Battery) ···· on	■ Mags • L/R ··· -175 +/-50	· LDG · · · · · · 73/71/63/58
✓ ► Rudder Pedals ····· adjust	• Alternate Air ······ check	► Va · · · · · · · · · · · MÄM 40-227
► Glooo DB Date ······ check	• (Standby Alternator)	Va ····································
► Fuel Selector ······ least	· Master (Alt.) ······ off	• yes······ 111 @ 2646-2284
Start	· STBYALT ON · · · · on	• no ······ 108 @ 2535-2161
► Throttle ···································	· Electrical Load increase	• o/w 94 @ <2284/2161
▶ FIECTLIC Laulb	· STBYALT ON ······· flashing	► Bank: 30/45/60° ·· 58/68/83
► Electric Pump·····on ► Warm		► Bank: 3U/45/6U° · 58/68/83

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	► High Altitude ···· pump on	► Glide and Trim
	► CHT Cool Down	• Airspeed ····· 76-60 KIAS
► Fuel Selector ······ fullest  ► Flaps ····· T/0	• <= 50°F(22.8°C)/min.	• Windmill ······ 1.45nm/lkft
	Pre-Landing	• Stationary ····· 1.7nm/lkft
Mixture rich		► Wind and Landing Site
▶ Prop ···· high RPM		► Longer Flow
▶ Pitot Heat ···· as required		• Engine Instcheck
► (Air Conditioner · · · · off)	• G Fuel Selector	• Short Flow
► Review Airspeeds	• M Mixture ····· rich	► Windmill Restart
► Time ····· note/start	• P Pump on	• Airspeed ······ 70-80 KIAS
Takeoff	• P Prop ····· high RPM	• Mags• ····· both
►"Lights, Camera, Action"	• Seat Belts secure	• Mixture ······ lean then
• Electric Pump ····· on	• F Flaps ···· as required	
• Mixture/Prop/Throttle	. T/O	slowly richen
•	CAIN LP> ··········· DGL ·	► Stationary Restart
► Engine Inst green	▶ Trim····· as required	• Airspeed ····· 8□ KIAS
► Vr ····· 59, then ···· 67-60	▶ Lights ···· as required	• Electrical ····· off
► Safe Altitude	► Approach Speed ····· 73-58	• Avionics off
• Prop 2400 RPM	► (Air Conditioner ······ off)	• Master ···· on
• Pump off	Go Around	• Mags• ···· start
<ul><li>Lights as required</li></ul>	► Throttle ····· full	► Engine-off Landing
Climb	► Vy 67-54 KIAS	• Fuel Selector ····· off
► T/0: Vy······ 67-54 KIAS		<ul> <li>Mixture ···· idle cutoff</li> </ul>
► Cruise ······· 76-60 KIAS	>1 Taps	■ Mags• · · · · off
• Flaps UP		■ Master ····· off
•	• Prop 2400 RPM	■ Belt and Seatcheck
► Mixture ····· rich	• Pump ···· off	•Flaps·····LDG (when able)
• >5000 hold const. EGT	• Lights ····· as required	<ul><li>Unlatch Door?/Brace</li></ul>
▶ Prop 2400 RPM	• Cruise Climb	Engine Fire
► Throttle full	Post-Landing	► Cabin Heat ····· off
Engine Inst green	► Throttle ····· 1000 RPM	► Emergency Descent
▶ Irim····· as required	► Mixture ····· lean	► Landing is ensured
► High Altitude… pump on	▶ Flaps ···· UP	<del>-</del>
Cruise	► Electric Pump ····· off	• Fuel Selector · · · · off
▶ Flaps ····· UP	▶ Pitot Heat ····· off	• Throttle ····· full
► Throttle 21-24"	► Trim T/0	• <u>Pump</u> ···· off
	► Lights ···· as required	• Master · · · · · on
Prop 1800-2400 RPM	► Transponder ···· 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	6.1.1.11.1	► Emergency Switch ···· on
• Higher Power ···· richen		► Master ····· off
► High Altitude ···· pump on	► Ventilation · · · · open	► Cabin Heat ····· off
✓►Flow Check (♠15 min)	► Emergency Windows ···· open	► Emergency Windows ···· open
• Trim₁ Switch Tanks	► Canopy ···· open (partially	► Canopy ····· partially
<ul><li>Mixture/Prop/Throttle</li></ul>	DO NOT unlock rear door	► Land ASAP
• Flaps, Engine Inst.	during flight)	·- <del>-</del> - ·-
• Pump₁ Mag∙₁ Master	Engine Failure	
► CHT 150-400°F	► Short Flow	
► 0il ····· 165-220°F	1. Fuel Selector ···· fullest	
	T•! net 7efectoL!ntle2f	