DA40-G1000 (Ted Yin v0.8a) Ground Operations

- ► Controls free & correct ► Papers - A.R.O.W.
- ▶ Oil Pressure 1,5 secs. ▶ Throttle - 1000 RPM
 - Mags. key out
- ✓ Mixture idle cutoff
 - ▶ Throttle idle
- ▶ Electrical off
 - Essential Bus off
 - Avionics off
- ► Master on
 - ▶ Fuel note
- Fuel Pump check
- ► Flaps check & set T/0 ► Lights/Pitot - test
 - ► Master off
- ► Hobbs Time note

► Canopy/Door - check

Radio - test

- Fuel/0il test/sample
- Caps/Drains/Vents
 - Surfaces/Controls
 - Stall Strips/Fairings
 - Exhaust/Antennas
- Prop/Air Intakes x3 Pitot/Static/Stall

Parking Brake - set

Seat Belts - check Canopy/Door - lock Door Warning - off

- ▶ Gear/Tires/Brakes
 - Ties/Chocks
- ▶ Final Walkaround

► Rudder Pedals - adjust)▶ Rear Door - secure

Alternate Static - check

AP - MET/HDG Trim - T/0

Instruments - scan

- ▶ Seat Belts
- ► Parking/Brakes test/set
- · Circuit Brkrs. check Strobe (ACL) - on
- Avionics off
 - · Fuel Selector least ► Canopy - pos· 1/2
 - ► Passenger brief

Cycle Prop x3 - 250-500

Throttle - 2000 RPM

Mixture - rich Comm/Nav/VOR/FP

Alternate Air - check

Engine Inst. - check

Throttle - 1000 RPM

Idle Check

Mags. L/R - 1,75, 50.

- ▶ Prime
- Mixture idle cutoff
- Friction adjust Prop - high RPM
 - Master Bat. on
- Throttle 1.2"
- Electric Pump on
- ·Mixture 1-3 sec

- ·Mixture 3-5 sec
- .Throttle 0.4"
- "Prop (lear!" ▶ Mags. - start
- ACL Strobes on

Electrical - off

Avionics - off

► ELT - check (1,21,-5)

- Throttle 1000 RPM
- Mags. off then both Mixture - idle cutoff
 - Tach Time note Mags. - key out
 - ► Master off

Engine Inst. - no Xs

Electric Pump - off

Master Alt. - on

Post-Flight

Fuel Pressure - 1,4-35 psi Volts/Amps - [25-30] [>0]

► Mixture - lean (peak)

▶ Flaps - UP, then T/0

Pre-Taxi

Lights - as required

Avionics - on/set

GPS - DB date

- ► ADSB Handheld of Tiedowns/Chocks
 - Pitot Cover Gust Lock
- Close Flight Plan
- ► Hobbs Time note Check Under Seats
- Canpoy/Door lock

Fuel Totalizer - enter

- Post-Flight Walkaround ATIS - PFD/backup/AP(?)
- Mixture lean (full aft) Throttle - 1/2 position Electric Pump - off Check - TC/AI/HSI<->MC Transponder - squawk Clearance - obtain
- When engine fires: ► Mags. - start

Brakes - release/test

- Throttle idle
- Mixture rich (rapidly)
 - ► Finish up normal start
 - - Vr = 59 Flight Controls - correct
- Weights
- 2646/2535/2205/1874 1bs
 - Vg = 76/73/68/60

 - Vy(Up) = 7L/73/L8/L0
- Climb(T/0) = L7/LL/LD/54
- Approach Speeds
- Up 76/73/68/60

GPS/Status Bar/Ann. Test

Hdg./Alt. Bugs

MFD Range/Track Up

Fuel Selector - fullest

- T/0 74/72/Lb/59 • LDG - 73/71/63/58
- MÄM 40-227
- .yes 111 @ 2284-2646 · no - 1,08 @ 21,61,-2535
 - below 2161/2284 94
- ADSB Handheld on

Lights - as required

Mixture - lean

▼ CHT: 150-400°F	■ Pump, Mag., Master	• Flaps, Engine Inst.	 Mixture/Prop/Throttle 	▼ Flow Check (► High Altitude - pump on	· Best: 100°F(55°C) lower	• Economy: max EGT & <=75%	 Higher Power - richen 	Mixture	► Prop - 1800-2400 RPM	► Throttle - ZJ-Z4™	▶ Flaps - UP	Cruise	► High Altitude - pump on	▶ Trim - as required	▶ Engine Inst green	Throttle - full	▼ Prop - 2400 RPM	7	Mixture - pinh	Airspeed = 74-40 KTAS	▼ CLOSE	under c646	• 65 minus 1.5 per 100 ibs ▶	▼ 1/0· vy - 6/=34 7tA0	7 T/O: VV = L7-54 KTAS		• Lights - as pequiped		- 5	▶ Vr - 59; then 67-60 KIAS	▶ Engine Inst green	ğ	Electric Pump - on	Idkeon Action	▼ Ime - note/start	▼ Review Airspeeds	▶ Pitot Heat - as required	► Prop - high RPM	► Mixture - rich	▶ Flaps - T/0		▼ Abort Plan/Lost Comm. ✓ Canony/Door = lock	Pre-Takeoff	In-Flight Operations	
▼ Short Flow	Engine Failure	rear door during flight)	open (D0 NOT lock/unlock	▶ Forward Canopy - partially▶	► Emergency Windows - open	Ventilation - open	▼ Cabin Heat - off	<pre>CO Contamination</pre>	► Clearance - obtain	▶ Lights - as required	▼ Trim - T/0	▶ Pitot Heat - off	► Electric Pump - off	듬	Mixture - John RPR	LOSC-LOI GILING		• Cruise Climb	• lights - as required		Naie Attitude	▼ Labs - 1/0	▼ Vy = 67-54 KIAS		60		Approach - 73-5A KTAS	ב מ	· LDG <9L KIAN	· T/O <lob kias<="" td=""><td>F: Flaps - as required</td><td>• S: Seat Belts - secure</td><td></td><td>D: Nixture - rich</td><td>√nwind/full</td><td>• G: Fuel Selector</td><td>► "CCGUMPSF"</td><td>► ATIS/Rwys & Patterns</td><td>Pre-Landing</td><td>• <= 50°F(22.8°C) per min.</td><td></td><td>► High Altitude - pump on</td><td>Prop - 1800-2400 RPM</td><td>Mixture - richen slowly</td><td>Descent</td><td></td></lob>	F: Flaps - as required	• S: Seat Belts - secure		D: Nixture - rich	√nwind/full	• G: Fuel Selector	► "CCGUMPSF"	► ATIS/Rwys & Patterns	Pre-Landing	• <= 50°F(22.8°C) per min.		► High Altitude - pump on	Prop - 1800-2400 RPM	Mixture - richen slowly	Descent	
	· Land ASAP	· Enward (anopy - partially	•	Emergency	· Cabin Heat - off	Electrical Fire	Engine-off Landing	 Emergency windows - open 	• Master - on	Pump - off	• Throttle - full	Fuel Selector - off	Landing is ensured	· Emergency Descent	· (abin Heat - off		• Brace	■ h atch boor	Bolt and Cost - chock	■ Fidgs・ ■ Off	• Mixture - idle cutoff	• Fuel Selector - off	No Restart	• Mags start	• Master - on	Avionics - off	• Electrical - off	• Airspeed >= 80 KIAS	· Stationary Restart	slowly richen	Mixture - lean then	• Alrspeed >= /U KLAS	Windmill Restart	• Short Flow Again	• Engine Inst.	· Longer Flow	Lind and I anding Site	• Stationary: L:MU-3,	l.45nm/lkft	• Windmill: 1:8.8,	Speed: 76-60 KIAS	Glide and Trim	• Mags· - check all	Alternate Air = on	• Mixture - full/check	

▶ 0il: 165-220°F

• Fuel Selector - fullest