DA40-G1000 (Ted Yin v0.7)

- Mags. start
- ▶ Throttle 1000 RPM

Mags. - off then both

Throttle - 1000 RPM

• ACL Strobes - on

Electrical - off

Avionics - off

·Mixture - 3-5 sec

· Throttle - 0.4"

"Prop (lear!"

► ELT - check (1,21,-5)

Mixture - idle cutoff

Tach Time - note

► Master - off

Mags. - key out

- ▶ Oil Pressure 1,5 secs. • Electric Pump - off
- Engine Inst. no Xs Master Alt. - on
- Fuel Pressure 1,4-35 psi Volts/Amps - [25-30] [>0] ► Mixture - lean (peak)

► ADSB Handheld - of

Tiedowns/Chocks

Pitot Cover

Gust Lock

Post-Flight

Pre-Taxi

► Flaps - up, then T/0 ► Lights - as required Avionics - on/set GPS - DB date

ATIS - PFD/backup/AP(?) Fuel Totalizer - enter Radio - test

Post-Flight Walkaround

Canpoy/Door - lock

Check Under Seats

► Hobbs Time - note Close Flight Plan

> Check - TC/AI/HSI<->MC Brakes - release/test Transponder - squawk Clearance - obtain

. 2646/2535/2205/1874 lbs

۱ - 59 . Weights Vg = 76/73/68/60

▶ Parking Brake - set

 $V_{y}(T/0) = L7/LL/L0/54$ Vy(Up) = 76/73/68/60

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

T/0 - 74/72/56/59 • LDG - 73/71/63/58

- Up - 76/73/68/60

Approach Speeds

- Flight Controls correct Instruments - scan
 - Alternate Static check AP - MET/HDG

.yes - 111 @ 2284-2646

MÄM 40-227

· no - 108 @ 2161-2535

• below 21,61,72284 - 94

- Trim T/0
- Fuel Selector fullest Hdg./Alt. Bugs
- GPS/Status Bar/Ann. Test
 - MFD Range/Track Up
 - Comm/Nav/VOR/FP
- Cycle Prop x3 250-500 Throttle - 2000 RPM

Mixture - rich

- Mags. L/R 1,75, 50.
- Alternate Air check Engine Inst. - check
- Throttle 1000 RPM Idle Check
- Mixture lean
- Lights as required ADSB Handheld - on

Ground Operations

- ► Papers A.R.O.W.
- ► Controls free & correct
 - Mags. key out
 - ✓ Mixture idle cutoff ▼ Throttle - idle
- Essential Bus off ▶ Electrical - off
- ► Master on

Avionics - off

- ► Fuel Pump check ▶ Fuel - note
- ► Flaps check & set T/0 ► Lights/Pitot - test
 - ► Master off
- ► Hobbs Time note

- ► Canopy/Door check
- Fuel/0il test/sample
 - Caps/Drains/Vents
- Surfaces/Controls
 - Stall Strips/Fairings
 - Exhaust/Antennas
 - Prop/Air Intakes x3
- - Pitot/Static/Stall ▶ Gear/Tires/Brakes
 - Ties/Chocks
- ▶ Final Walkaround

- ► Rudder Pedals adjust)▶ Rear Door - secure
 - ▶ Seat Belts
- ▶ Parking/Brakes test/set · Circuit Brkrs. - check
 - ► Strobe (ACL) on
 - Avionics off
- · Fuel Selector least ► Canopy - pos· 1/2 ► Passenger - brief
- ▶ Prime
- Mixture idle cutoff Prop - high RPM
- Friction adjust
 - Master Bat. on
- Electric Pump on • Throttle - 1.2"
- ·Mixture 1-3 sec

Power - richen y: max EGT & <=75% 100°F/55°C lower eck (~15 min) Fuel en Propn Throttle en Propn Throttle Engine Inst. Mag. Master 0-400°F 5-220°F	► Engine Inst green ► Trim - as required ► High Altitude - pump on Cruise ► Flaps - up ► Throttle - 21-24" ► Prop - 1800-2400 RPM ► Mixture	• 67-54 KIAS • 68 minus 1.8 per 100 lbs under 2646 • Cruise • Flaps - up • Wy: 76-60 KIAS • Prop - 2400 RPM • Mixture - rich • >5000 hold const. EGT • Throttle - full	 Mights, Camera, Action Mixture/Prop/Throttle Engine Inst green Vr - 59; then E7-E0 KIAS Safe Altitude Prop - 2400 RPM Elect. Pump - off Lights - as required Uy (T/0) 	In-Flight Operations Pre-Takeoff Abort Plan/Lost Comm. Canopy/Door - lock Fluel Selector - fullest Flaps - T/0 Mixture - rich Prop - high RPM Electric Pump - on Pitot Heat - as required Review Airspeeds Time - note/start Takeoff
 Cabin Heat - off Ventilation - open Emergency Windows - open Forward Canopy partially open DO NOT lock/unlock rear door during flight Engine Failure Short Flow 	 Throttle - 1000 RPM Mixture - lean Flaps - up Elect. Pump - off Pitot Heat - off Prim - T/0 Lights - as required Clearance - obtain 		 M: Mixture - rich P: Elect. Pump - on P: Prop - high RPM S: Seat Belts - secure F: Flaps - as required T/0 <108 KIAS LDG <91 KIAS LDG <91 KIAS Trim - as required Lights - as required Lights - as required Approach - 73-58 KIAS 	Descent Mixture - richen slowly Prop - 1800-2400 RPM Throttle - as required High Altitude - pump on Flow Check CHT Cool Down <- 50°F/22.8°C pm Pre-Landing ATIS/Rwys & Patterns "CCGUMPSF" G: Fuel Selector downwind/fullest
		 Master - on Mags start No Restart Fuel Selector - off Mixture - idle cutoff Mags off Master - off Belt and Seat - check Unlatch Door Brace 	 Engine Inst. Short Flow Again Windmill Restart Airspeed >= 70 KIAS Mags both Mixture - lean then slowly richen Stationary Restart Airspeed >= 80 KIAS Electrical - off Avionics - off 	