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

▶ High Altitude - pump on ▶ Prop - 2400 RPM ▶ Safe Altitude ▶ Flow Check (~15 min) ▼ Mixture ▶ Prop - 1800-2400 RPM ▶ Throttle - Zl-Z4™ ▼ Trim - as required ▶ Engine Inst· - green ▶ Throttle - full Mixture - rich ▼ (ruise ▼ | | | Elect. Pump - off ▶ Vr - 59; then 67-60 KIAS ▶ Engine Inst· - green ▶ Pitot Heat - as required ▶ Electric Pump - on ▶ Prop - high RPM Mixture - rich Flaps - T/0 ▼ Canopy/Door - lock In-Flight Operations • >5000 hold const. EGT Lights - as required Prop - 2400 RPM Pump₁ Mag₊₁ Master • Flaps, Engine Inst. • Mixture, Prop, Throttle • Trim¬ Fuel • Economy: max EGT & <=75% Higher Power - richen Vy = 76-60 KIAS • Flaps - up Vy = 67-54 KIAS Mixture/Prop/Throttle · Power: 100°F/55°C lower - 68 minus 1.6 per 188 1bs ► Approach - 73-58 KIAS Flaps - up High Altitude - pump on "Lights, Camera, Action" Review Airspeeds Fuel Selector - fullest Abort Plan/Lost Comm. CHT: 150-400°F Time - note/start under 2646 Pre-Takeoff Takeoff ▶ Forward Canopy Vy - 67-54 KIAS ▶ ATIS/Rwys & Patterns ► CHT Cool Down ▼ 0il: 165-220°F ▼ Trim - T/0 Mixture - lean Flaps - T/0 ▶ Throttle - full ▶ Lights - as required ▼ Flow (heck ▼ Throttle - as required ▼ Safe Altitude ▶ High Altitude - pump on • <= 50°F(22.8°C) per min. Prop - 2400 RPM • S: Seat Belts - secure M: Mixture - rich Ventilation - open Lights - as required Pitot Heat - off Elect. Pump - off Flaps - up · LDG <91 KIAS · T/O <LOB KIAS P: Prop - high RPM P: Elect. Pump - on Prop - 1800-2400 RPM Mixture - richen slowly Emergency Windows - open Cabin Heat - off Clearance - obtain Throttle - 1000 RPM "CCGUMPSF" partially open Elect. Pump - off DO NOT lock/unlock rear Cruise Climb downwind/fullest G: Fuel Selector door during flight CO Contamination Pre-Landing Post-Landing Go Around

Engine Failure

▶ Short Flow

- F: Flaps as required
- ▼ Trim as required

- Mixture full/check • Fuel Selector - fullest
- Elect. Pump on
- Alternate Air on
- Mags· check all
- Glide and Trim
- Speed: 76-60 KIAS

- Windmill: 1:8.8₁
- 1.45nm/1kft
- Stationary: 1:10.3, 1.7nm/lkft
- ▶ Wind and Landing Site
- ► Longer Flow
- 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
- Master on
- Mags. start
- No Restart
- Fuel Selector off
- Mixture idle cutoff
- Master off Mags. - off
- Belt and Seat check
- Unlatch Door
- Brace