```
DA40-Gl000 (Ted Yin v0.6)
                              · Throttle - 0.4"
                                                         ▶ Fuel Selector - fullest
                             ▶ "Prop Clear!"
                                                          ▶ Flaps - T/0
          Initial
                             ▶ Mags. - start
                                                         ▶ Mixture - rich
► Papers - A.R.O.W.
► Controls - free & correct ► Throttle - 1000 RPM
                                                         ▶ Prop - high RPM
                             ▶ 0il Pressure - 15 secs.
                                                          ▶ Electric Pump - on
▶ Mags. - key out
                             ▶ Electric Pump - off
                                                          ▶ Pitot Heat - as required
▶ Mixture - idle cutoff
                                                          ► Review Airspeeds
                             ▶ Master Alt. - on
▶ Throttle - idle
                             ▶ Engine Inst. - no Xs
                                                          ▶ Time - note/start
▶ Electrical - off
                             ▶ Volts/Amps - [25-30] [>0]
                                                                    Takeoff
▶ Essential Bus - off
                             ▶ Fuel Pressure - 14-35 psi
▶ Avionics - off
                                                         ▶ "Lights: Camera: Action"
                             ▶ Mixture - lean (peak)
▶ Master - on
                                                           • Mixture/Prop/Throttle
                                    Pre-Taxi
▶ Fuel Pump - check
                                                         ▶ Engine Inst. - green
▶ Fuel - note
                                                         ▶ Vr - 59; then 67-60 KIAS
                             ▶ Flaps - up₁ then T/0
▶ Flaps - check & set T/0
                             ▶ Lights - as required
                                                          ► Safe Altitude
▶ Lights/Pitot - test
                             ▶ Avionics - on/set

    Prop - 2400 RPM

▶ Master - off
                             ► GPS - DB date
                                                           • Elect. Pump - off
► Hobbs Time - note
                             ▶ Fuel Totalizer - enter
                                                           • Ldg. Light - off
                             ► ATIS - PFD/backup/AP(?)
         Walkaround
                                                                     Climb
                             ▶ Radio - test
► Canopy/Door - check
                                                         ▶ Vy (T/0)
                             ▶ Transponder - squawk
▶ Fuel/0il - test/sample

    67-54 KIAS

                             ► Check - TC/AI/HSI<->MC
▶ Caps/Drains/Vents
                                                           • LB minus 1.8 for each
                             ► Clearance - obtain
▶ Surfaces/Controls
                                                             100 lbs under 2646
                             ▶ Brakes - release/test
▶ Stall Strips/Fairings
                                                          ▶ Cruise
► Exhaust/Antennas
                                       Run-Up
                                                           • Flaps - up
▶ Prop/Air Intakes x3
                             ▶ Parking Brake - set

    Vy: 7b-b0 KIAS

▶ Pitot/Static/Stall
                             ▶ Seat Belts - check
                                                         ▶ Prop - 2400 RPM
▶ Gear/Tires/Brakes
                             ► Canopy/Door - lock
                                                          ▶ Mixture - rich
▶ Ties/Chocks
                             ▶ Door Warning - off
                                                           • >5000 hold const. EGT
▶ Final Walkaround
                             ▶ Flight Controls - correct
                                                          ▶ Throttle - full
     Pre-Start
                             ▶ Instruments - scan
                                                          ▶ Engine Inst. - green
▶ Rear Door - secure
                             ► Alternate Static - check
                                                          ▶ Trim - as required
▶ Rudder Pedals - adjust
                             ► AP - MET/HDG
                                                         ▶ High Altitude - pump on
▶ Seat Belts
                             ► Trim - T/0
                                                                     Cruise
▶ Parking/Brakes - test/set
                             ▶ Fuel Selector - fullest
                                                          Flaps - up
▶ Circuit Brkrs. - check
                             ► Hdg./Alt. Bugs
                                                         ▶ Throttle - 21-24"
▶ Passenger - brief
                             ▶ GPS/Status Bar/Ann. Test
                                                          ▶ Prop - 1800-2400 RPM
▶ Strobe (ACL) - on
                             ▶ MFD Range/Track Up
                                                         ▶ Mixture
▶ Avionics - off
                             ► Comm/Nav/VOR/FP
▶ Fuel Selector - least
                                                           • Higher Power - richen
                             ▶ Mixture - rich
► Canopy - pos. 1/2
                             ▶ Throttle - 2000 RPM
                                                           ■ Economy: max EGT & <=75%
                                                            · Power: 100°F/55°C lower
           Start
                             ► Cycle Prop x3 - 250-500
                             ► Mags. L/R - 175, 50.
                                                          ▶ Flow Check (♠15 min)
▶ Prime
                             ▶ Alternate Air - check
                                                           ■ Trima Fuel
 • Mixture - idle cutoff
                             ▶ Engine Inst. - check
                                                           • Mixture, Prop, Throttle
 • Prop - high RPM
                             ▶ Idle Check
                                                           • Flaps, Engine Inst.

    Friction - adjust

                             ► Throttle - 1000 RPM
                                                           • Pump, Mag, Master
 • Master Bat. - on
                             ▶ Mixture - lean
                                                         ► CHT: 150-400°F
 • Throttle - 1.2"
                             ▶ Lights - as required
                                                          ▶ 0il: 165-220°F
 • Electric Pump - on
                             ► ADSB Handheld - on
                                                                  Descent
 Warm
                                     Pre-Takeoff
  · Mixture - 1-3 sec
                                                         ▶ Mixture - richen slowly
 Cold
                             ▶ Abort Plan/Lost Comm.
                                                         ▶ Prop - 1800-2400 RPM
 · Mixture - 3-5 sec
                             ► Canopy/Door - lock
                                                         ▶ 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

 - M: Mixture rich
 - P: Elect. Pump on
 - P: Prop high RPM
 - S: Seat Belts secure
 - F: Flaps as required
 - T/O <108 KIAS LDG <91 KIAS
- ▶ Trim as required
- ▶ Ldg. Light on ► Approach - 73-58 KIAS

Go Around

▶ Throttle - full

- ► Vy 67-54 KIAS
- ▶ Flaps T/0
- ▶ Safe Altitude
- Prop 2400 RPM
- Elect. Pump off
- Cruise Climb

Post-Landing

- ▶ Throttle 1000 RPM
- ▶ Mixture lean
- ▶ Flaps up
- ▶ Elect. Pump off
- ▶ Pitot Heat off
- ▶ Trim T/0
- ▶ Lights as required
- ▶ Clearance obtain

Shutdown

- ▶ ELT check (121.5)
- ▶ Avionics off
- ▶ Electrical off
- ACL Strobes on
- ▶ Throttle 1000 RPM ▶ Mags. - off then both
- ▶ Mixture idle cutoff
- ▶ Mags. key out ▶ Tach Time - note
- ▶ Master off

Post-Flight

- ► ADSB Handheld off ▶ Tiedowns/Chocks
- ▶ Pitot Cover

- ▶ Gust Lock
- ► Close Flight Plan
- ▶ Hobbs Time note
- ▶ Check Under Seats
- ► Canpoy/Door lock
- ▶ Post-Flight Walkaround
 - Engine Failure
- ▶ Short Flow
- Fuel Selector fullest
- Mixture full/check • Elect. Pump - on
- Alternate Air on
- Mags. check all
- ▶ Glide and Trim
- Speed: 7L-LO KIAS • Ratio: 8.8, 1.45nm/lkft
- ▶ Wind and Landing Site ▶ Longer Flow
 - Engine Inst.
 - Short Flow Again
- ▶ Wind Restart • Airspeed >= 70 KIAS
- Short Flow
- Mags both • Mixture - lean and
- slowly richen
- ▶ Stationary Restart
- Airspeed >= 80 KIAS • Electrical - off
- Avionics off
- Master on
- Mags. start
- No Restart
- Fuel Selector off
- Mixture idle cutoff
- Mags. off
- Master off • Belt and Seat - check
- Unlatch Door
- Brace

CO Contamination

- ▶ Cabin Heat off
- ▶ Ventilation open

• partially open

- ▶ Emergency Windows open
- ▶ Forward Canopy
 - DO NOT lock/unlock rear door during flight
 - Airspeeds (KIAS)
- Weights
- 2646/2535/2205/1874 lbs

- ▶ Vr 59
- Vy • Up - 76/73/68/60
 - T/O 67/66/60/54
 - ▶ Best Glide 76/73/68/60
 - 70 @ 2300 lbs
 - Va
 - MÄM 40-227 ·no - 108 @ 2161-2535
 - · yes 111 @ 2284-2646
 - below 2161/2284 94 • 101 @ 2300 lbs
 - ► Approach Speeds

 - Engine Out · Up - 76/73/68/60
 - · T/O 74/72/66/59
 - · LDG 73/71/63/58 Normal - 73/71/63/58