

CL72S-G1000 (Ted v1.2)

Initial

- Mixture..... 3/4 rich
- "Prop Clear!"
- Mags..... start
- Throttle..... 1000 RPM
- Oil Pressure..... 30 secs.
- Volts/Amps..... [E2L] [O0]
- Mixture..... lean for taxi

Pre-Taxi

- Flaps..... up
- Lights..... as required
- Avionics..... on/set
- GPS..... DB date
- Fuel Totalizer..... enter
- ATIS..... PFD/backup/AP(?)
- Radio..... test
- Transponder..... squawk
- Check..... TC/AT/HSI<->MC
- Clearance..... obtain
- Brakes..... test

Walkaround

- Fuel/Oil..... dip/sample
- Caps/Drains/Vents
- Surfaces/Controls
- Exhaust/Antennas
- Prop/Belt/Air Intake
- Pitot/Static/Stall
- Gear/Tires/Brakes
- Ties/Baggage Door
- Final Walkaround

Run-Up

- Brakes..... set
- Seat Belts..... check
- Doors/Windows..... secure
- Flight Controls..... correct
- Instruments..... scan
- Alternate Static..... check
- AP..... MET/HDG
- Trim..... takeoff
- Fuel..... on/both
- Hdg./Alt. Bugs
- GPS/Status Bar/Ann. Test
- MFD Range/Track Up
- Comm/Nav/VOR/FP
- Mixture..... rich
- Throttle..... 1800 RPM
- Mags..... 150, 50
- Engine Inst..... check
- Idle Check
- Throttle..... 1000 RPM
- Mixture..... lean
- Lights..... as required
- ADSB Handheld..... on

Pre-Start

- Doors..... secure
- Belts/Seat Track
- Brakes..... check, set
- Circuit Brkrs..... check
- Passenger..... brief
- Beacon..... on
- Avionics..... off
- Fuel..... both

Start

- Stby. Battery..... test/arm
- Engine Ind..... no Xs
- Volts..... [E>24] [M<1.5]
- Amps..... SC0/ann on
- Prime:
- Mixture..... idle cutoff
- Brakes..... secure
- Master..... on
- Throttle..... slight
- Aux. Pump..... on
- Mixture..... prime
- warm: 0-3 sec
- cold: 3-5 sec
- Aux. Pump..... off

Pre-Takeoff

- Abort Plan/Lost Comm.
- Fuel..... on/both
- Flaps..... 0-10°
- Mixture..... rich
- Aux. Pump..... off
- Pitot heat..... as required
- Review Airspeeds
- Time..... note/start
- Stby. Battery..... off

Takeoff

- "Lights, Camera, Action"
- Mixture/Throttle
- Engine Inst..... green
- Vr..... 55 kts
- Vx..... 62 kts, Vy..... 74 kts

Climb / Cruise

- Cruise Climb..... 75-85 kts
- Flaps..... up
- Mixture..... lean >3000'
- Flow Check (~15 min)
- Fuel, Trim
- Flaps, Engine Inst.
- Mixture, Throttle
- Master, Mag., Pump

Descent

- Mixture..... richen slowly
- Throttle..... as required
- Flow Check

Post-Landing

- Throttle..... 1000 RPM
- Mixture..... lean
- Flaps..... up
- Pitot Heat..... off
- Trim..... takeoff
- Lights..... as required
- Clearance..... obtain

Shutdown

- ELT..... check (121.5)
- Avionics..... off
- Lights..... off
- Beacon..... on
- Throttle..... 1000 RPM
- Mags..... off then both
- Mixture..... idle cutoff
- Mags..... key out
- Master..... off
- Tach Time..... note
- Stby. Battery..... off

Post-Flight

- ▶ ADSB Handheld..... off
- ▶ Tie-downs/Chocks
- ▶ Pitot Cover
- ▶ Fuel..... switch to L/R
- ▶ Gust Lock
- ▶ Close Flight Plan
- ▶ Hobbs Time..... note
- ▶ Check Under Seats
- ▶ Cabin / Baggage..... lock
- ▶ Post-Flight Walkaround

Engine Failure

- ▶ Short Flow
 - Fuel..... on/both
 - Mixture..... full/check
 - Electrical Pump..... on
 - Alternate Air on
 - Mags..... check all
- ▶ *Glide and Trim*
 - Speed: **60 kts**
 - Ratio: **9, 1.48m/1000ft**
- ▶ Wind and Landing Site
 - ▶ Longer Flow
 - Engine Indicators
 - Short Flow Again
 - No Restart**
 - Fuel..... off
 - Mixture..... idle cut-off
 - Prop/Throttle..... off
 - Mags..... off
 - Master..... off
 - Belt and Seat..... check
 - Unlatch Door
 - Brace
- ▶ Approach..... 80/70/65 kts