CITABRIA 7ECA/GCAA CHECKLIST (Oct 2022)

Before Starting Engine

- 1) Preflight complete, documents on board, headset on, pax briefing
- 2) Seat Belts ON & ADJUSTED
- 3) Fuel Selector Valve ON
- 4) Brakes TEST & SET
- 5) Radios & electrical equipment OFF
- 6) Door CLOSED & LATCHED

Starting the Engine

- 1) <u>Primer</u>
 - Oil temp COLD 3-4 strokes, then locked
 - Oil temp HOT 0-1 strokes, then locked
- 2) Mixture RICH
- 3) Carb heat COLD
- 4) Throttle OPEN 1/4 inch or less
- 5) Beacon switch ON
- 6) Master switch -ON
- 7) Ignition switches L & R ON
- 8) Control stick FULL AFT ("stick coming back")
- 9) Propeller area "CLEAR" and visually clear all around
- 10) Starter ENGAGE, slowly advance throttle, release after engine starts
- 11) Throttle Set 800 to 1000 RPM

After Start

Don't block up the ramp! Look around and move if people are waiting.

- 1) Oil pressure CHECK GREEN within 30 seconds or shut down engine
- 2) Ammeter CHECK slightly positive
- 3) Mixture LEAN almost to idle cutoff (observe slight rpm rise)
- 4) Radios, NAV LT, and T & B switches ON
- 5) Transponder ALT & 1200
- 6) ATIS (125.20) and RHV Ground (121.65) CHECK & CALL for taxi
- 7) Taxi briefing, then brake check COMPLETE

<u>Run-up</u>

- 1) Tailwheel straight, brakes held tight
- 2) Flight Controls FREE & CORRECT (full box, stick & rudder deflections)
- 3) Trim SET FOR TAKEOFF (stick back, trim flush with elevator)
- 4) Instruments CHECK & SET (altimeter near field elevation)
- 5) Fuel Check quantity, fuel valve ON, primer locked, mixture RICH
- 6) Door and window CLOSED & LATCHED
- 7) Control stick FULL AFT & Throttle to 1800 RPM
 - Engine instruments & ammeter CHECK
 - Ignition CHECK L, then R with <100 RPM max. drop
 - Carb heat CHECK (carb heat HOT, note RPM drop, then COLD)
 - Throttle IDLE (600 900 RPM), then back to 800 to 1000 RPM
- 8) Transponder & Radio ALT with squawk code & RHV TWR 119.80
- 9) Takeoff Briefing COMPLETE

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Before Take-off

- 1) Lights AS NEEDED
- 2) Fuel Check quantity, valve ON, primer LOCKED, mixture RICH (set for DA)
- 3) Carb Heat COLD
- 4) Trim SET FOR TAKEOFF
- 5) Normal takeoff flow –heels on the floor, feet off the brakes, throttle smoothly to full forward, then stick forward to takeoff position (¾ forward)
- 6) Check engine instruments & lift off at V_{R} 55-60 MPH

Normal Climb

- 1) Initial climb to 1,000 AGL at $V_{\rm Y}$ 69 MPH (or $V_{\rm X}$ 58 MPH for obstacle clearance)
- 2) Above 1,000 AGL or clear of obstacles Cruise climb at 75-80 MPH
- 3) Monitor oil temp (ideally between 180-210°F), oil pressure, and ammeter
- 4) Mixture <u>Only if</u> oil temp is below 200°F, lean slightly above 5000'

<u>Cruise</u>

- 1) Throttle 2300 RPM (or 70% power or less)
- 2) Engine instruments & fuel gauges CHECK & MONITOR
- 3) Mixture Once oil temp <210°F, lean for ROP (to stumble, then in $\frac{1}{2}$ ")

Descent/Before Landing

- 1) ATIS/AWOS/ASOS CHECK weather, SET altimeter, PLAN for pattern
- 2) Fuel CHECK quantity, valve ON, primer LOCKED
- 3) Mixture ENRICHEN SLOWLY throughout descent for altitude
- 4) Lights AS NEEDED
- 5) Short final Mixture RICH, carb heat as needed (ready to go around)

After Landing

- 1) Carb Heat COLD
- 2) Mixture LEAN for taxi
- 3) Trim SET FOR TAKEOFF
- 4) Lights AS NEEDED
- 5) Transponder ALT & 1200
- 6) Radio CALL Ground 121.65 for taxi

<u>Shutdown</u>

- 1) Radios & electrical switches OFF
- 2) Throttle 1000 RPM
- 3) Mixture LEAN all the way out
- 4) Master switch OFF
- 5) Ignition switches OFF

Securing Aircraft (Double check all electrical switches and Master are OFF)

- 1) Tailwheel straight & locked, wheels chocked, wings & tail tied down
- 2) Controls Secure the lap belt around front seat control stick
- 3) Sunshades Installed (silver side out)
- 4) Clean Remove all items and trash
- 5) Record Hobbs & Tach in aircraft binder