

# CIGAR

## *Runup*

<u>C</u> ontrols	- FREE & CORRECT
<u>I</u> nstruments	- <b>Altimeter, DG/Mag, Heading Bug</b> (wind or initial heading)
<u>G</u> as	- Proper <b>Tank-SELECT</b> - <b>Mixture-FULL RICH</b> - <b>Primer-LOCKED</b>
<u>A</u> ttitude	- <b>Flaps-AS REQUIRED</b> - <b>Trim-SET FOR TAKEOFF</b>
<u>R</u> unup	- <b>Systems</b> (Oil Press/Temp [green] // Suction [4-6] // Volts/Amps[+]) - <b>Mags-L/R</b> (<125 drop / <50 diff [<75 for N7717U]) - <b>Propeller-CYCLE x3</b> (constant speed prop only) - <b>Carb Heat</b> (slight drop) - <b>Idle Check</b> (return to 1,000 RPM)

Most runup checklists are more extensive, but the CIGAR check accomplishes the common items that are critical in most small aircraft. It is particularly useful when a complete runup isn't required, such as after landing when you plan to immediately taxi back for another takeoff.

SOURCE:

"Mnemonic Reminders" by Robert N. Rossier, AOPA, 5 Feb 2000  
<https://www.aopa.org/news-and-media/all-news/2000/february/flight-training-magazine/mnemonic-reminders>

# **BLITTS**

## *Before Takeoff*

- Boost pump** - ON
- Lights** - Strobe, Ldg, Nav (as req'd)
- Instruments** - **DG** (align with mag compass & rwy hdg)  
- **Attitude** Indicator (align)
- Transponder** - ALT  
- **ADS-B ON**  
- ForeFlight/Sentry (or other EFB/ADS-B IN) **CONNECTED**
- Takeoff Time** - **RECORD**
- Safety Check** - Doors/Windows, Seat Belts, Loose Items  
- Switches: Lights & Pitot Heat  
- Passenger Safety Brief

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## **“Lights, Camera, Action”** *Before Takeoff*

<b><u>Lights</u></b>	- Strobe, Ldg, Nav (as req'd)
<b><u>Camera</u></b>	- <b>Transponder</b> -ALT - <b>ADS-B</b> -ON - <b>ForeFlight/Sentry</b> -CONNECTED
<b><u>Action</u></b>	- <b>Boost Pump</b> -ON - <b>DG</b> -ALIGN (mag compass with rwy hdg) - <b>Attitude Indicator</b> -ALIGN - <b>Safety Check</b> : Doors/Windows, Seat Belts, Loose Items - <b>Switches</b> : Lights & Pitot Heat (as req'd) - <b>Takeoff Time</b> -RECORD - <b>Passenger Safety Brief</b> -COMPLETE

**"Lights, Camera, Action"** is a convenient pre-takeoff crosscheck. **Lights** as req'd. **Camera** refers to the transponder, to help air traffic control "see" you on radar. **Action** varies from one pilot/aircraft to another, but is often used to remember such items as the fuel boost pump, controls check, flaps, and trim.

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# Charlie GUMPS

## *Prelanding (also Climb / Cruise / Descent)*

<u>C</u> arb Heat	- ON (OFF as req'd)
<u>G</u> as	- Proper <b>Tank</b> -SELECT - Fuel <b>Pump</b> -ON (OFF as req'd)
<u>U</u> ndercarriage	- <b>Gear</b> -DOWN (UP as req'd)
<u>M</u> ixture	- FULL FWD (lean as req'd)
<u>P</u> rop	- FULL FWD (adjust as req'd)
<u>S</u> afety	- Doors/Windows, Seat Belts, Loose Items - <b>Switches</b> : Lights & Pitot Heat (as req'd)

Probably the most widely used aviation mnemonic is GUMPS. While it is used before landing, it also works when establishing climb, cruise, and descent configurations. Some pilots add a Charlie to the front for cowl flaps or carburetor heat, making the mnemonic Charlie GUMPS.

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