

Archer II-PREFLIGHT

- Medical, Biannual, IFR – Current
- Annual, Transponder, ELT – Current
- ARROW, VOR 30 day check – Current
- Parking brake – Set
- Mags – Off
- Elevator/Rudder trim – Neutral
- Flaps – Check/ 10 deg
- Flight controls – Free
- Mixture – Cutoff
- Throttle – Idle
- Avionics master – Off
- Electrical switches – Off
- Master switch – On
- Lights (beacon, nav, landing) – Checked
- Fuel quantity – Checked
- Master switch – Off

RIGHT WING

- Flaps/Aileron – Checked
- Wing tip, leading edge – Checked
- Fuel quantity/ Caps – Check/Secure
- Tie down – Removed
- Fuel sump – Drained
- Landing gear/brakes – Checked

NOSE

- Oil quantity (6-8 qts) – Checked
- Cowling – Secured
- Prop/Nose wheel/Alt belt – Checked
- Fuel sump – Drained

LEFT WING

- Tie down – Removed
- Fuel sump – Drained
- Landing gear/brakes – Checked
- Fuel quantity/ Caps – Check/Secure
- Pitot-static/drain – Checked
- Stall warning tab – Checked
- Leading edge, wing tip – Checked

- Flaps/Aileron – Checked

EMPENNAGE

- Left/Right Stabilator Bolt – Checked
- Stabilator/Trim tab – Checked
- Tie down – Removed

RIGHT FUSELAGE

- External Power Door – Closed
- Baggage Door – Closed/locked

BEFORE ENGINE START

- Tow bar** – Removed
- Seatbelts – On
- Brief passengers – Complete
- Organize cockpit (charts, etc) – Complete
- Altimeter/Trim/Radios – Set
- Fuel selector – Fullest tank
- Circuit breakers – In
- Electric switches – Off
- Flaps – Up

ENGINE START

- Record Tach/Hobbs time – Completed
- Mixture – Rich
- Carb heat – Off
- Master switch – On
- Fuel pump – On/Pressure
- Prime/Throttle pump 2 or 3x – as required
- Beacon (lights as needed) – On
- Brakes – Set
- Throttle – 1/2" open

CLEAR PROP & Start w key

- Idle – 1000 rpm
- Oil pressure/temp & ammeter – Checked
- Electric Fuel pump – Off
- Mixture below "E" – Lean for taxi
- Avionics master – On
- Transponder – VFR or Code
- DG & clock – Set

- Annunciator lights – Test
- Check brakes, DG, T&B, AI, compass during taxi.

RUN UP

- Brakes – Set
- Flight controls – Free & correct
- Mixture** – Rich
- Throttle – 2000 rpm
- Mags (125/50) – Checked
- Carb heat – Checked
- Engine instruments – Checked
- Suction Throttle – Normal (4.6-5.4)
- Throttle – 1000 rpm
- Mixture** – Lean for taxi

BEFORE TAKEOFF

- Verify fuel on fullest tank (don't change after runup)
- Trim – Set
- Flaps – As required
- Mixture – Rich
- Carb heat – Off
- Altimeter – Set
- DG – Set
- Transponder – Alt & Code
- Radios/Navigation – Set
- Electric Fuel pump** – On

- Autopilot – Off
- Door – Locked
- Window – Closed
- Record** – Takeoff time
- Strobes – As needed

TAKE OFF/CLIMB

- Vr 55 knts – closer to 60-climb out 80
- Vx 65 knts
- Vy 76 knts

Enroute climb 87 knts

- Flaps** – Up
- Electric Fuel pump** – Off
- Carb heat – Off

CRUISE

Carb heat - Off
Throttle - Set
Mixture about "E" - As needed

BEFORE LANDING

Pattern - 2000 rpm—target 72—above 68
Altimeter - Set
Mixture - As required
Fuel pump - On
Autopilot - Off
Fuel selector - Fulllest tank
Seat belts - On
Landing Lights / strobes - As required
Flaps -2 or 3

CLEAR OF RUNWAY

Flaps - Up
Trim - Neutral
Fuel pump - Off
Mixture - Lean for taxi
Landing lights - As required

ENGINE SHUTDOWN

Throttle - 1000rpm
Avionics master - Off
Electric switches - Off (leave
beacon on)
Mixture - Cutoff
Mags - Off
Master switch - Off
Record Tach/Hobbs time - Completed

Thank God for a safe flight.

CLOSE FLIGHT PLAN!