

DECATHLON CHECK-LIST (AeroDynamic Aviation 022209)

Before Starting Engine

- 1) Seat Belts/Shoulder Harness - ADJUSTED
- 2) Fuel Selector Valve - ON
- 3) Brakes – Test and Set
- 4) Radios and Electrical Equipment - OFF

Starting the Engine

- 1) Prop - Full Forward
- 2) Mixture – Rich
- 3) Alternate air - Cold
- 4) Throttle – Open ¼ inch
- 5) Master Switch –ON
- 6) Magnetos – ON
- 7) Emergency Fuel Pump (Engine Hot – NONE)
(Engine Cold – ON max. 2 sec.)
- 8) Mixture Idle Cut off
- 9) Control Stick Back
- 10) Propeller Area – CLEAR
- 11) Starter - Engaged, release after engine fires
- 12) Mixture rich before engine quits
- 13) Oil Pressure, in 30 seconds – Check
- 14) AMP Meter -- Check
- 15) Warm Up – around 1000 RPM.
- 16) Lean Mixture almost to idle cutoff (observe slight rpm rise)
- 17) Radio Master ON
- 18) Strobes (and Turn and Bank Indicator if needed) - ON
- 19) Transponder – STBY
- 20) ATIS (RHV- 125.2) Ground (RHV-121.65)

Run-up

- 1) Brakes – Set
- 2) Flight Controls – Check
- 3) Instruments – Check & Set, Altimeter set to field elevation
- 4) Fuel – check quantity, fuel valve “ON”, Fuel pump OFF
- 5) Elevator Trim “Take-Off” setting
- 6) Mixture Rich; Stick Back; Throttle setting 2000 RPM
- 7) Engine Instruments and Ammeter check
- 8) Magnetos – Check (100 RPM maximum drop)
- 9) Propeller—Check Operation, not exceed 300 RPM drop.
- 10) Alternate air – Check Operation
- 11) Close Throttle to Idling (600-900 RPM) then 1000RPM
- 12) Radios & Transponder – Set, Tower (RHV–119.8),

- 13) Transponder - ALT, squawk 1200
- 14) Cabin Doors and Windows – Closed & latched
- 15) Seat belts & shoulder harnesses- FASTENED

Before Take-off

- 1) Strobes or beacon - ON
- 2) Trim to “Take-Off” position
- 3) Alternate Air - Cold
- 4) Mixture – Full Rich or as needed for Density Altitude
- 5) Radio – Set (RHV Twr 119.80); Transponder to ALT

In Flight

- 1) Climb – Full Power – 80 mph- Prop—2700 RPM
- 2) Cruise—23” or less and 2300 rpm
- 3) Glide – Idling- 75 - 80 mph
- 4) Mixture – Lean as necessary

Before Landing

- 1) Mixture – Rich or as needed for Density Altitude
- 2) Landing Light – as needed
- 3) Radio Set – RHV Ground 121.65
- 4) Propeller - on short final full forward

After Landing

- 1) Lights – OFF/ON as needed
- 2) Trim to “Take-Off” position
- 3) Alternate Air - Cold
- 4) Mixture – Lean as necessary
- 5) Transponder – STBY

Shutdown

- 1) Transponder on STBY for 30 sec. or more
- 2) Radios and Electrical switches - OFF
- 3) Engine – 1000 RPM
- 4) Mixture - Pull Lean
- 5) Master Switch - OFF
- 6) Magnetos – OFF
- 7) Throttle – Closed

Securing Aircraft

- 1) Wheels chocked; wings and tail tied down
- 2) Controls secure - lap belt around forward control stick only
- 3) Rear seat belt and harness secured
- 4) Fill out flight log
- 5) Double check all electrical switches & master off