

## **EVEKTOR SPORTSTAR CHECK-LIST**

### **Before Starting Engine**

- 1) Preflight inspection complete
- 2) Seat Belts/Shoulder Harness - FASTENED
- 3) Control stick free
- 4) Fuel Selector Valve – ON LEFT or fullest
- 5) Brakes – Test and Set
- 6) Radios and Electrical Equipment – ALL OFF
- 7) Canopy CLOSED and LATCHED

### **Starting the Engine**

- 1) Master Switch –ON;
- 2) Fuel Gauges – CHECK
- 3) Carb heat - COLD
- 4) Throttle – IDLE
- 5) Fuel pump – ON
- 6) Choke as needed – none on warm day
- 7) Propeller Area – CLEAR
- 8) Ignition to Start, release after engine fires
- 9) Oil Pressure – Check
- 10) Fuel pump – OFF
- 11) Choke - CLOSED
- 12) Engine gauges – CHECK
- 13) Generator and Aux Generator - ON
- 14) Volt Meter – Check increases to 13v or more
- 15) Warm Up – 2000-2500 RPM.
- 16) Avionics Master ON
- 17) Strokes/beacon, ADI, IC switches - ON
- 18) Transponder – STBY; GPS - ON
- 19) ATIS (RHV- 125.2) Ground (RHV-121.65)

### **Run-up**

- 1) Canopy – **Closed & latched**;
- 2) Flight Controls – Check free and correct
- 3) Instruments – Check & Set, Altimeter set to field elevation
- 4) Fuel – check quantity and fuel valve “LEFT” or fullest
- 5) Elevator Trim “Take-Off” setting – 2 from top
- 6) Throttle setting 3500 RPM
- 7) Engine Instruments and Ammeter 14v check
- 8) Ignition Left/Right – Check (100 RPM maximum drop)
- 9) Carb heat – Check Operation
- 10) Close Throttle to Idling (1500-2000 RPM)
- 11) Seat belts & shoulder harnesses - FASTENED

### **Before Take-off**

- 1) **Canopy – closed and latched**
- 2) **Flaps - 0 or as desired**
- 3) **Trim to “Take-Off” position**
- 4) **Carb heat – Cold**
- 5) **Fuel Pump – ON**
- 6) Fuel Selector – LEFT or fullest
- 7) Strokes or beacon - ON
- 8) Radio – Set (RHV Twr 119.80)
- 9) Transponder to ALT 1200

### **In Flight**

- 1) Climb – Full Power – Vy 62kias – Cruise climb – 70kias
- 2) Fuel Pump OFF above 1000agl
- 3) Cruise 4500 - 5000 rpm; 103kias MAX
- 4) Glide – Idling - 65kias (best glide = 57kias)

### **Before Landing**

- 1) Fuel Pump – ON
- 2) Fuel selector LEFT or fullest tank
- 3) Landing Light – as needed
- 4) Carb heat – as needed

### **After Landing**

- 1) Clear runway first and STOP
- 2) Radio Set – RHV Ground 121.65
- 3) Trim to “Take-Off” position
- 4) Carb heat – Cold
- 5) Landing Light – OFF or as needed;
- 6) Strokes off at night
- 7) Fuel Pump - OFF
- 8) Flaps - UP
- 9) Transponder – STBY or as needed

### **Shutdown and Securing Aircraft**

- 1) Radios and ALL Electrical switches - OFF
- 2) Engine – IDLE
- 3) Ignition – OFF
- 4) Wheels chocked; wings and tail tied down
- 5) Controls secure - lap belt around **left** control stick
- 6) Right seat belt and harness secured
- 7) Front and side air scoops closed
- 8) Fill out flight log
- 9) Double check all electrical switches & master off
- 10) Canopy secured and locked