

# SportCruiser SVAP+ Checklist

## Dynon SkyView /Garmin 796



### PREFLIGHT INSPECTION

#### INTERIOR

Documents.....VERIFY  
 Ignition .....OFF  
 MASTER BAT.....ON  
 EFIS 1.....ON/EMS  
   Pitch & Roll Trim.....NEUTRAL  
   Fuel Quantity.....CHECK  
   Engine Button.....CLR TMR  
   Fuel Button .....PRESS  
   Fuel Computer Quantity .....ADJUST  
 Fuel Selector.....FULLEST TANK  
 Flaps.....30°  
 Circuit Breakers.....CHECK IN  
 Exterior Lights.....CHECK [ON - OFF]  
 EFIS 1.....OFF  
 MASTER BAT.....OFF

#### EXTERIOR

L Flap.....CHECK  
 L Aileron.....CHECK  
 L Wing Tip.....CHECK  
 Pitot/Static Port.....CHECK  
 L Wing Leading Edge.....CHECK  
 L Wing Fuel.....VISUAL CHECK  
 L Wing Locker.....SECURE  
 L Landing Gear/Tire.....CHECK  
 Nose Landing Gear/Tire.....CHECK  
 Cowling.....CHECK SECURE  
 Propeller.....CHECK SECURE  
 Engine Oil.....CHECK  
   Oil Level ≥50% in flat  
 R Wing Locker.....SECURE  
 R Landing Gear/Tire.....CHECK  
 R Wing Fuel.....VISUAL CHECK  
 R Wing Leading Edge.....CHECK  
 R Wing Tip.....CHECK  
 R Aileron Trim Tab.....NEUTRAL  
 R Aileron.....CHECK  
 R Flap.....CHECK  
 Temp Probe(s).....CHECK  
 R Fuselage.....CHECK

Horizontal Stabilizer.....CHECK  
 Vertical Stabilizer.....CHECK  
 Elevator.....CHECK  
 Elevator Trim .....CHECK  
 Anti-Servo Tab.....CHECK  
 Rudder.....CHECK  
 Rudder Trim Tab.....CHECK  
 Antennas (GPS/Comm/Nav/ELT).....CHECK  
 L Fuselage.....CHECK  
 R Wing Fuel.....SAMPLE  
 Gascolator Fuel.....SAMPLE  
 L Wing Fuel.....SAMPLE

### ENGINE START

Rudder Pedals.....ADJUST  
 Parachute Pin.....STOW IN CONSOLE  
 Circuit Breakers.....CHECK IN  
 Seat Belt-Shoulder Harness.....ON  
 LSA,BRS & Passengers.....BRIEF  
 Brakes.....SET & HOLD  
 MASTER BAT.....ON  
 MASTER GEN.....ON  
 EFIS 1.....EMS LOADED/DISPLAYED  
   (Load preferred PFD/MAP/Engine Pages)  
 Strobe Lights.....ON  
 Fuel Pump.....ON (verify + pressure)  
 Throttle.....IDLE (cold), 5% (warm)  
 Choke.....ON (cold), OFF (warm)  
 Prop Area.....CLEAR  
 Ignition.....START (10 sec max)  
 Throttle.....2000 RPM  
 Engine Instruments.....CHECK  
   Oil Pressure > 12 psi within 10 sec  
 EFIS 2.....ON  
 Avionics.....ON  
 Flaps.....UP  
**After Engine warms, when at a stop only**  
 Throttle.....2500 RPM

### BEFORE TAXI

Brakes.....TEST  
 XPNDR.....AUTO/VFR  
 Garmin 796 GPS.....ACCEPT/MAP  
 WX/ATIS.....OBTAIN  
 Altimeter.....SET  
 Flight Plan.....ENTER/ACTIVATE  
 Canopy.....SECURE  
 Wind Correction.....APPLY  
 Flight Instruments.....CHECK

### BEFORE TAKEOFF - RUN-UP

Flight Controls.....FREE & CORRECT  
 Initial Altitude & Heading.....SET  
 Brakes.....HOLD  
 Fuel.....STATE QUANTITY  
 Oil Temp .....>120°F  
 Throttle.....4000 rpm  
 Engine Instruments.....CHECK  
   Oil Pressure 30 to 102 psi  
   Fuel Pressure 2.2 to 5.8 psi  
 L & R Ignition.....CHECK  
   ≤ 300 rpm drop, ≤ 115 rpm difference  
 Throttle.....IDLE  
 Trim .....SET FOR TAKEOFF  
 Flaps.....SET FOR TAKEOFF  
 XPNDR.....SET  
 Fuel Pump.....ON  
 Lights.....ON  
 Canopy.....LOCKED/CHECKED

### Takeoff and Emergency Takeoff Brief:

Departure Plan  
 Known Hazards/Obstacles  
 On takeoff Roll  
 After lift off, Below 1,000ft AGL  
 Above 1,000ft AGL or turned Crosswind  
 Review Takeoff Checklist

### TAKEOFF - CLIMB

Throttle.....MAX (≥ 4900 rpm)  
 Engine Instruments.....GREEN  
 Airspeed.....CONFIRM INCREASING  
   V<sub>R</sub> 45 KIAS,  
   Climb 62-70 KIAS or ≥ 5200 rpm  
   Above 200' AGL  
 Flaps.....UP  
 Oil Temp.....MONITOR  
   Normal 190 - 230 F, Max 266 F

### CRUISE

Throttle.....4800 - 5500 RPM  
 Landing Light.....AS REQUIRED  
 Fuel Pressure.....MONITOR  
 Engine Instruments.....GREEN  
 Fuel.....STATE QUANTITY

### PRE-MANUEVER

Fuel Pump .....ON  
 Fuel Selector.....FULLEST TANK  
 Fuel.....STATE QUANTITY  
 Lights.....ON  
 Area.....CLEAR



## DESCENT - LANDING

Fuel Pump.....ON  
 Fuel Selector.....FULLEST TANK  
 Seat Belts.....SECURE  
 Landing Light.....ON  
 Throttle (downwind).....4500 RPM  
 Throttle (abeam).....3000 RPM  
 Flaps (< 75 KIAS).....SET LANDING  
 Approach.....65 KIAS

## GO AROUND

Throttle.....MAX  
 Flaps.....12°  
 Climb.....62-70 KIAS  
 Above 200' AGL  
 Flaps.....UP

## AFTER LANDING - TAXI

Flaps.....UP  
 Radios.....SET  
 Lights.....AS REQUIRED

## SHUT DOWN

Parachute Pin.....INSTALL  
 Engine/Flight Time.....RECORD  
 XPNDR.....VFR/1200  
 Throttle.....IDLE  
 Fuel Pump.....OFF  
 Lights.....OFF  
 Avionics.....OFF  
 EFIS 1 & 2.....OFF  
 Ignition.....OFF  
 MASTER GEN.....OFF  
 MASTER BAT.....OFF

## SECURING

Controls.....LOCK (use seat belt)  
 Canopy/Windows.....CLOSE & LOCK  
 Tie-downs/Chocks.....SECURE

## EMERGENCY PROCEDURES

\*Items in bold are to be committed to memory\*

### ENGINE FAILURE DURING TAKEOFF ROLL

**Throttle Control**.....IDLE  
**Brakes**.....APPLY  
**Ignition**.....OFF

### ENGINE FAILURE AFTER TAKEOFF

**Airspeed**.....60 KIAS  
 Flaps.....AS NECESSARY  
**Fuel Selector**.....OFF  
**Ignition Switch**.....OFF  
**Master GEN/BAT**.....OFF  
 Land.....STRAIGHT AHEAD  
 \*BRS should be used if unable safe landing\*

### ENGINE FAILURE DURING FLIGHT

**Airspeed**.....60 KIAS  
**Best place to land**.....SELECT  
 If Altitude allows restart:  
**Fuel Pump**.....ON  
**Fuel Selector**.....FULLEST or SWITCH  
 Ignition Switch.....CHECK  
 Throttle.....IDLE  
 Choke.....ON/OFF  
 Carb Heat.....ON/OFF  
**Ignition**.....START  
 If altitude permits, declare emergency on 121.5, activate ELT, squawk 7700.

After final flap selection:  
**All Switches**.....OFF (right to left)  
**Fuel Selector**.....OFF  
 Canopy.....UNLOCK  
 \*BRS should be used if unable safe landing\*

## KADS

ATIS (972-628-2439)	133.40
Ground	121.60
Tower (972-628-2420)	126.00
Approach (972-615-2500)	124.3/124.25
Atlantic (Fuel - 972-713-7000)	122.85

## ENGINE FIRE DURING START

**Fuel Selector** .....OFF  
**Throttle** .....MAX  
**Ignition Switch** .....OFF  
**Master BAT & GEN** .....OFF  
 Airplane .....EGRESS

### ENGINE FIRE IN FLIGHT

**Fuel Selector** .....OFF  
**Throttle** .....MAX  
**Cabin Heater** .....PUSH OFF  
**Ignition Switch** .....OFF  
 Autopilot .....DISENGAGE  
 Airspeed .....108 KIAS  
 If altitude permits, declare emergency on 121.5, activate ELT, squawk 7700.

After extinguished or for landing After final flap selection:  
 Airspeed .....Maintain 60 KIAS  
 All Switches .....OFF (right to left)  
 Canopy .....UNLOCK

### ELECTRICAL FIRE IN FLIGHT

Autopilot.....DISENGAGE  
**Master BAT & GEN** .....OFF  
 Other switches.....OFF  
 \*LEAVE ON IGNITION SWITCH\*  
**Cabin Heater** .....PUSH OFF  
 Ventilation.....OPEN  
 Land as soon as Practical

### GENERATOR FAILURE

If GEN LO/OFF annunciation:  
 Autopilot .....DISENGAGE  
**Master BAT & GEN** .....ON  
**Throttle**.....Above 3000 RPM  
 Master BAT & GEN.....OFF then ON

If generator failure indication persists:  
 Master GEN.....OFF  
 Unnecessary Equip .....OFF  
 Voltmeter.....MONITOR  
**Land as soon as Practical**

## LOST COMMUNICATIONS

RADIO.....Verify Frequency  
 Volume/Squelch.....Adjust  
 Push To Talk.....Verify Transmitting

**\*If 2-way communications not re-established\***

Squawk.....7600  
 Land.....As soon as practicable  
 (Recall Light Gun Signals)

## CANOPY OPEN IN FLIGHT

Airspeed .....<75 KIAS  
 Power .....AS REQUIRED  
 Canopy .....LEAVE ALONE

**Do not try to close the Canopy**

Land as soon as practical  
 Do not perform slipping

## BRS ACTIVATION

Airplane is uncontrollable and/or a forced landing on extreme inhospitable terrain cannot be avoided:

**Speed** .....Below 120 KIAS  
**Ignition Switch**.....OFF  
**Fuel Selector**.....OFF  
**Master BAT & GEN** .....OFF  
 Activating Handle - PULL, Hold Continuously  
 Seatbelts .....FASTEN  
 Emergency body position.....ASSUME

<b>V<sub>50</sub> – 31 KIAS</b>	<b>V<sub>51</sub> – 37 KIAS</b>
<b>V<sub>R</sub> – 45 KIAS</b>	<b>V<sub>G</sub> – 60 KIAS</b>
<b>V<sub>X</sub> – 56 KIAS</b>	<b>V<sub>Y</sub> – 62 KIAS</b>
<b>V<sub>FE</sub> – 75 KIAS</b>	<b>V<sub>A</sub> – 88 KIAS</b>
<b>V<sub>NO</sub> – 108 KIAS</b>	<b>V<sub>NE</sub> – 138 KIAS</b>



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