

**SportCruiser SVAP+ Checklist**  
**Dynon SkyView HDX/Garmin aera® 796**

**PREFLIGHT INSPECTION**

**INTERIOR**

Ignition ..... OFF  
 MASTER BAT ..... ON  
 EFIS 1 ..... ON/EMS  
     Pitch & Roll Trim..... NEUTRAL  
     Fuel Quantity.....CHECK  
     Menu-Engine Tools-Clear Timer  
     Menu-Engine Tools-Fuel  
     Fuel Computer Quantity ..... ADJUST  
 Fuel Selector.....FULLEST TANK  
 Flaps ..... 30  
 Circuit Breakers ..... CHECK IN  
 Exterior Lights.....CHECK  
 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 Tab ..... CHECK  
 Rudder ..... CHECK  
 Antennas ..... 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  
 Fuel Pump..... ON (> 2.2 psi)  
 Throttle ..... IDLE (cold), 5% (warm)  
 Choke..... ON (cold), OFF (warm)  
 Prop Area..... CLEAR  
 Ignition..... START (10 sec max)  
 Throttle ..... 2000 - 2500 rpm  
 Engine Instruments ..... CHECK  
     Oil Pressure > 12 psi within 10 sec  
 EFIS 2 .....ON  
 Avionics.....ON  
 Lights..... AS NEEDED  
 Flaps ..... UP

Menu-XPNDR ..... AUTO/VFR  
 Garmin 796 GPS..... ACCEPT/MAP

**BEFORE TAXI**

Brakes .....TEST  
 WX/ATIS ..... OBTAIN  
 Altimeter ..... SET  
 Flight Plan ..... ENTER/ACTIVATE  
 Canopy..... SECURE

**TAXI**

Wind Correction ..... APPLY  
 Flight Instruments..... CHECK  
 Initial Altitude & Heading..... SET

**BEFORE TAKEOFF - RUN-UP**

Flight Controls ..... FREE & CORRECT  
 Brakes .....HOLD  
 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 ..... NEUTRAL  
 Flaps..... SET for TAKEOFF  
 XPNDR..... SET  
 Fuel Pump..... ON  
 Continued →

Landing Light..... AS REQUIRED  
 Canopy ..... LOCKED/CHECKED

**Emergency Takeoff Briefing:**

On takeoff Roll  
 After lift off, Below 1,000ft AGL  
 Above 1,000ft AGL and/or turned  
 Crosswind

When taking runway, confirm **CSTF<sup>2</sup>L** -  
**Canopy, Squawk, Trim, Flaps, Fuel**  
 pump, Lights

**TAKEOFF - CLIMB**

Throttle ..... MAX (≥ 4900 rpm)  
 Engine Instruments .....GREEN  
 Airspeed .....COMFIRM INCREASING

V<sub>R</sub> 45 KIAS,

Climb 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 Pump ..... OFF  
 Fuel Pressure .....MONITOR  
 Engine Instruments .....GREEN

### DESCENT - LANDING

Fuel Pump ..... ON  
Fuel Selector..... FULLEST TANK  
Seat Belts ..... SECURE  
Landing Light ..... AS REQUIRED  
Throttle (downwind) ..... 4200 rpm  
Throttle (abeam) ..... 3000 rpm  
Flaps (< 75 KIAS) ..... SET for LANDING  
Approach ..... 65 KIAS

### GO AROUND

Throttle..... MAX  
Flaps ..... 12  
Climb..... 60 - 65 KIAS  
Above 200' AGL  
Flaps ..... UP

### AFTER LANDING - TAXI

Flaps ..... UP  
Radios ..... SET

### SHUT DOWN

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

### SECURING

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

### ENGINE FAILURE IN FLIGHT

Airspeed ..... maintain 60 KIAS  
Landing Site ..... SELECT (GPS)

#### If altitude allows restart:

Fuel Pump.....ON  
Fuel Selector..... FULLEST TANK  
or  
SWITCH TANK

Ignition Switch..... CHECK  
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

### CANOPY OPEN IN FLIGHT

Airspeed ..... maintain 65 KIAS  
Flaps ..... 12  
Power ..... as required  
Canopy..... do not attempt to hold  
Land as soon as practical

Canopy will remain partially open while maneuvering and may fully open during flare.

### ELECTRICAL FIRE IN FLIGHT

Autopilot ..... DISENGAGE  
Master BAT & GEN ..... OFF  
Other switches ..... OFF  
Cabin Heater..... PUSH OFF  
Ventilation ..... OPEN  
Land as soon as Practical

### ENGINE FIRE DURING START

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

### ENGINE FIRE DURING FLIGHT

Fuel Selector .....OFF  
Throttle ..... MAX  
Cabin Heater ..... PUSH OFF  
Ignition Switch.....OFF  
Autopilot ..... DISENGAGE  
Airspeed ..... 108 KIAS  
After extinguished or for landing

#### After final flap selection:

Airspeed ..... Maintain 60 KIAS  
All Switches..... OFF (right to left)  
Canopy..... UNLOCK

### GENERATOR FAILURE

If "GEN LO" or "GEN OFF" annunciation  
Autopilot ..... DISENGAGE  
Master BAT & GEN ..... ON  
Throttle ..... ABOVE 3000RPM  
Master BAT & GEN ..... OFF then ON  
If generator failure indication persists:  
Master GEN ..... OFF  
Unnecessary Equip ..... OFF  
Voltmeter ..... MONITOR  
Land as soon as Practical

### BRS ACTIVATION

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



Thrust Flight  
4700 Airport Parkway  
Addison, Texas 75001  
972.735.9099  
www.ussportaircraft.com  
**After Hours Manager 972.735.9099 ext. 7**

### KADS

ATIS..... 133.40  
Ground..... 121.60  
Tower..... 126.00  
Approach ..... 124.3/124.25

After Hours School Manager  
972-735-9099 ext.7