

# SportCruiser SVAP+ Checklist Dynon SkyView HDX/Garmin 796



## PREFLIGHT INSPECTION

### INTERIOR

Documents.....VERIFY  
 Ignition .....OFF  
 Master Battery.....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 [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 Battery.....ON  
 Mater Gen.....ON  
 EFIS 1.....EMS LOADED/DISPLAYED  
 Nav Lights.....ON  
 Strobe Lights (Day Only).....ON  
 Fuel Pump.....ON/VERIFY PRESSURE  
 Throttle.....IDLE (cold), 5% (warm)  
 Choke.....ON (cold), OFF (warm)  
 Prop Area.....CLEAR  
 Canopy.....LOWER  
 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  
 Hotspots/Taxi Route.....BRIEF  
 Landing Light.....ON

## BEFORE TAKEOFF - RUN-UP

COM Frequencies.....SET  
 Flight Controls.....FREE & CORRECT  
 Initial Altitude & Heading.....SET  
 Brakes.....HOLD  
 Fuel.....STATE QUANTITY  
 Fuel Selector.....FULLEST TANK  
 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  
 Throttle.....2500 RPM  
 Trim .....SET FOR TAKEOFF  
 Flaps.....SET FOR TAKEOFF  
 XPNDR.....SET  
 Fuel Pump.....ON  
 Exterior Lights.....ALL ON  
 Departure/Emergency Brief.....COMPLETE  
     \*see briefing card\*  
 Canopy.....LOCKED/CHECKED

## 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.....5000 - 5500 RPM  
 Landing Light.....OFF  
 Nav Lights (Day Only).....OFF  
 Fuel Pressure.....MONITOR  
 Engine Instruments.....GREEN  
 Fuel.....STATE QUANTITY

## PRE-MANUEVER

Fuel Pump .....ON  
 Fuel Selector.....FULLEST TANK  
 Landing Light.....ON  
 Fuel.....STATE QUANTITY  
 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  
 Strobe Lights (Night Only).....OFF

### SHUT DOWN

Parachute Pin.....INSTALL  
 Engine/Flight Time.....RECORD  
 XPNDR.....VFR/1200  
 Interior Lights.....OFF  
 Throttle.....IDLE  
 Fuel Pump.....OFF  
 Landing & Strobe Lights.....OFF  
 Nav Lights.....ON  
 Avionics.....OFF  
 EFIS 1 & 2.....OFF  
 Ignition.....OFF  
 Master Gen.....OFF  
 Master Battery.....OFF

### SECURING

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

### 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

### 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\*

### 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, Hard Continuously  
 Seatbelts .....FASTEN  
 Emergency body position.....ASSUME

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



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