

SportCruiser SVAP+ Checklist Dynon SkyView HDX/Garmin 796



PREFLIGHT INSPECTION

- INTERIOR**
- Documents..... VERIFY
 - 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 [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
- 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_R 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 Pump..... OFF
- Fuel Pressure MONITOR
- Engine Instruments GREEN

PRE-MANUEVER

- Fuel Pump ON
- Fuel Selector..... FULLEST TANK
- Lights ON
- Area CLEAR



DESCENT - LANDING

Fuel PumpON
 Fuel Selector..... FULLEST TANK
 Seat Belts..... SECURE
 Landing LightON
 Throttle (downwind) 4200 RPM
 Throttle (abeam) 3000 RPM
 Flaps (< 75 KIAS) SET LANDING
 Approach65 KIAS

GO AROUND

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

AFTER LANDING - TAXI

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

SHUT DOWN

Engine/Flight Time RECORD
 XPNDR VFR/1200
 Throttle IDLE
 Fuel PumpOFF
 LightsOFF
 AvionicsOFF
 EFIS 1 & 2.....OFF
 IgnitionOFF
 MASTER GENOFF
 MASTER BAT.....OFF
 Parachute Pin INSTALL

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 SwitchCHECK
 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
ThrottleMAX
Ignition Switch OFF
Master BAT & GEN OFF
 Airplane EGRESS

ENGINE FIRE IN FLIGHT

Fuel Selector OFF
ThrottleMAX
Cabin Heater PUSH OFF
Ignition Switch OFF
 AutopilotDISENGAGE
 Airspeed108 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:

AutopilotDISENGAGE
Master BAT & GEN ON
Throttle 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

RADIOVerify Frequency
 Volume/SquelchAdjust
 Push To Talk Verify Transmitting

If 2-way communications not re-established

Squawk 7600
 Land As soon as practicable
 (Recall)

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
 SeatbeltsFASTEN
 Emergency body position ASSUME

V₅₀ – 31 KIAS

V_{S1} – 37 KIAS

V_R – 45 KIAS

V_G – 60 KIAS

V_X – 55 KIAS

V_Y – 62 KIAS

V_{FE} – 75 KIAS

V_A – 88 KIAS

V_{NO} – 108 KIAS

V_{NE} – 138 KIAS

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 972.735.9099 ext. 107