

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 SelectorFULLEST
TANK

Flaps
.....
30°

Circuit
Breakers.....CHECK IN

Exterior LightsCHECK [ON -
OFF]

EFIS 1
.....O
FF

MASTER BAT
.....OFF

EXTERIOR

L Flap
.....CHE
CK

L Aileron
.....CHECK

L Wing Tip
.....CHECK

Pitot/Static Port
.....CHECK

L Wing Leading Edge
.....CHECK

L Wing FuelVISUAL
CHECK

L Wing Locker
.....SECURE

L Landing
Gear/Tire.....CHECK

Nose Landing Gear/Tire
.....CHECK

Cowling.....CHECK
SECURE

PropellerCHECK
SECURE

Engine Oil
.....CHECK
Oil Level ≥50% in flat

R Wing Locker
.....SECURE

R Landing Gear/Tire
.....CHECK

R Wing FuelVISUAL
CHECK

R Wing Leading Edge
.....CHECK

R Wing Tip
.....CHECK

R Aileron Trim Tab
.....NEUTRAL

R Aileron
.....CHECK

R Flap
.....CHE
CK

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 PinSTOW IN
CONSOLE

Circuit Breakers
.....CHECK IN

Seat Belt-Shoulder Harness
.....ON

LSA,BRS & Passengers
.....BRIEF

BrakesSET &
HOLD

MASTER BAT
.....ON

MASTER GEN
.....ON

EFIS 1EMS
LOADED/DISPLAYED
(Load preferred PFD/MAP/Engine Pages)

Strobe Lights
.....ON

Fuel PumpON (verify +
pressure)

ThrottleIDLE (cold), 5%
(warm)

ChokeON (cold), OFF
(warm)

Prop Area
.....CLEAR

IgnitionSTART (10 sec
max)

Throttle
.....2500 RPM

Engine Instruments
.....CHECK
Oil Pressure > 12 psi within 10 sec

EFIS 2
.....
ON

Avionics
.....ON

Flaps
.....
..UP

BEFORE TAXI

BrakesTE
ST
XPNDRAUTO/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 ControlsFREE &
CORRECT
Initial Altitude & Heading
.....SET
Brakes
.....HOL
D
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 & Flaps.....SET FOR
TAKEOFF
XPNDR
.....S
ET
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
When taking runway, confirm **CSTF²L** -
Canopy, Squawk, Trim, Flaps, Fuel pump,
Lights

TAKEOFF - CLIMB

ThrottleMAX (≥ 4900
rpm)
Engine Instruments
.....GREEN
AirspeedCONFIRM
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

Throttle4800 - 5500
RPM
Landing LightAS
REQUIRED
Fuel Pump
.....OFF
Fuel
Pressure.....MONITOR
Engine Instruments
.....GREEN

PRE-MANUEVER

Fuel Pump
.....ON
Fuel SelectorFULLEST
TANK
Lights
.....
ON
Area
.....CL
EAR



THRUST FLIGHT

Elevate Your Experience

DESCENT - LANDING

Fuel Pump
.....ON
Fuel SelectorFULLEST
TANK



Seat Belts
.....SECURE
Landing Light
.....ON
Throttle (downwind)4200
RPM
Throttle (abeam)3000
RPM
Flaps (< 75 KIAS)SET
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
Lights.....AS
REQUIRED

SHUT DOWN

Engine/Flight
Time.....RECORD
XPNDR.....VF
R/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/Windows.....CLOSE &
 LOCK
 Tie-downs/Chocks.....SEC
 URE

4700 Airport Parkway
 Addison, Texas 75001
 972.735.9099
After Hours Manager
972.735.9099 ext. 107



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

FlapsAS
 NECESSARY
Fuel Selector
**OFF**
Ignition Switch
**OFF**
Master GEN/BAT
**OFF**
 LandSTRAIGHT
 AHEAD
 *BRS should be used if unable safe
 landing*

ENGINE FAILURE DURING FLIGHT

Airspeed60
KIAS
Best place to land
**SELECT**
If Altitude allows restart:
Fuel Pump
**ON**
Fuel Selector**FULLEST or**
SWITCH
 Ignition Switch
**CHECK**
 Throttle.....
**IDLE**
 Choke.....**O**
 N/OFF
 Carb Heat
**ON/OFF**
Ignition.....S
TART

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 SelectorOFF
ThrottleMAX
Ignition SwitchOFF
Master BAT & GEN
**OFF**
 Airplane
**EGRESS**

ENGINE FIRE IN FLIGHT

Fuel Selector
OFF
ThrottleMAX
Cabin HeaterPUSH OFF
Ignition Switch OFF
 Autopilot **DISENGAGE**
 Airspeed 108 KIAS
After extinguished or for landing After
final flap selection:
 AirspeedMaintain 60
 KIAS
 All Switches**OFF** (right to
 left)
 Canopy **UNLOCK**

ELECTRICAL FIRE IN FLIGHT

Autopilot.....**DISENGAGE**
Master BAT & GENOFF
 Other switches.....**OFF**
 LEAVE ON IGNITION SWITCH
Cabin HeaterPUSH OFF
 Ventilation.....**OPEN**
 Land as soon as Practical

GENERATOR FAILURE

If GEN LO/OFF annunciation:
 Autopilot **DISENGAGE**
Master BAT & GENON
Throttle.....> 3000
RPM

Master BAT & GEN.....OFF then ON
 If generator failure indication persists:
 Master GEN..... OFF
 Unnecessary Equip OFF
 Voltmeter.....MONITO
 R
 Land as soon as Practical

LOST COMMUNICATIONS

RADIOVerify
 Frequency
 Volume/Squelch
Adjust
 Push To TalkVerify
 Transmitting

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

Squawk
7600
 LandAs soon as
 practicable
 (Recall Light Gun Signals)

CANOPY OPEN IN FLIGHT

Airspeed <75 KIAS
 PowerAS
REQUIRED
 CanopyLEAVE
 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:

SpeedBelow 120 KIAS
Ignition Switch.....OFF

Fuel Selector.....OFF

Master BAT & GENOFF

Activating Handle - PULL, Hard Continuously
Seatbelts

.....FASTEN

Emergency body position.....ASSUME

V₅₀ – 31 KIAS

V₅₁ – 37 KIAS

V_R – 45 KIAS

V_X – 55 KIAS

V_G – 60 KIAS

V_Y – 62 KIAS

V_{FE} – 75 KIAS

V_A – 88 KIAS

V_{NO} – 108 KIAS

V_{NE} – 138 KIAS