

SportCruiser SVAP+ Checklist Dynon SkyView Touch/Garmin 796



PREFLIGHT INSPECTION

INTERIOR

Documents
.....VERIFY

Ignition
.....OFF

MASTER BAT
.....ON

EFIS 1.....

ON/EMS
Pitch & Roll Trim
.....NEUTRAL

Fuel Quantity
.....CHECK

Engine - Clear Timer
Engine - 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 GPSACCEPT/MAP
 WX/ATISOBTAIN
 AltimeterSET
 Flight PlanENTER/ACTIVATE
 CanopySECURE
 Wind CorrectionAPPLY
 Flight InstrumentsCHECK

BEFORE TAKEOFF - RUN-UP

Flight ControlsFREE & CORRECT
 Initial Altitude & HeadingSET
 BrakesHOLD
 D
 Oil Temp> 120°F
 Throttle4000 rpm
 Engine InstrumentsCHECK
 Oil Pressure 30 to 102 psi
 Fuel Pressure 2.2 to 5.8 psi
 L & R IgnitionCHECK
 ≤ 300 rpm drop, ≤ 115 rpm difference
 ThrottleIDLE

Trim & Flaps.....SET FOR TAKEOFF
 XPNDRS
 ET
 Fuel PumpON
 Lights
 ON
 CanopyLOCKED/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 InstrumentsGREEN
 AirspeedCONFIRM INCREASING
 V_R 45 KIAS,
 Climb 62-70 KIAS or ≥ 5200 rpm
 Above 200' AGL
 Flaps
 ..UP
 Oil TempMONITOR
 Normal 190 - 230 F, Max 266 F

CRUISE

Throttle4800 - 5500 RPM
 Landing LightAS REQUIRED
 Fuel PumpOFF
 Fuel Pressure.....MONITOR
 Engine InstrumentsGREEN

PRE-MANUEVER

Fuel PumpON
 Fuel SelectorFULLEST TANK
 Lights
 ON
 AreaCL
 EAR



THRUST FLIGHT

Elevate Your Experience

DESCENT - LANDING

Fuel PumpON
 Fuel SelectorFULLEST TANK

Seat BeltsSECURE
 Landing LightON
 Throttle (downwind)4200 RPM
 Throttle (abeam)3000 RPM
 Flaps (< 75 KIAS)SET
 LANDING
 Approach65 KIAS

GO AROUND

ThrottleMAX
 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 SelectorOFF
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

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:

SpeedBelow 120 KIAS

Ignition Switch.....OFF

Fuel Selector.....OFF

Master BAT & GENOFF

Activating Handle - PULL, Hard Continuously
Seatbelts

.....FASTEN

Emergency body position.....ASSUME

V_{SO} – 31 KIAS

V_{S1} – 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