



EVEKTOR – AEROTECHNIK a.s.
Letecka 1384
686 04 Kunovice
Czech Republic

tel.: +420 572 537 111
fax: +420 572 537 900
e-mail: marketing@evektor.cz
<http://www.evektor.cz>

**AIRCRAFT MAINTENANCE AND INSPECTION PROCEDURES
FOR
SPORTSTAR
LIGHT SPORT AIRCRAFT**

SUPPLEMENT No.1

Serial Number: **2006 0713**

Registration: **N713BK**

This supplement must be contained in the Aircraft Maintenance and Inspection Procedures of the aircraft of S/N 2006 0713.

Information contained in this Supplement add or replace information from the basic Aircraft Maintenance and Inspection Procedures in the further mentioned parts only. Procedures and information not mentioned in this Supplement are contained in the basic Aircraft Maintenance and Inspection Procedures.



RECORD OF REVISIONS

| Rev. No. | Affected pages | Description | Approved/ Date | Incorporated by/Date |
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SECTION 1 - GENERAL

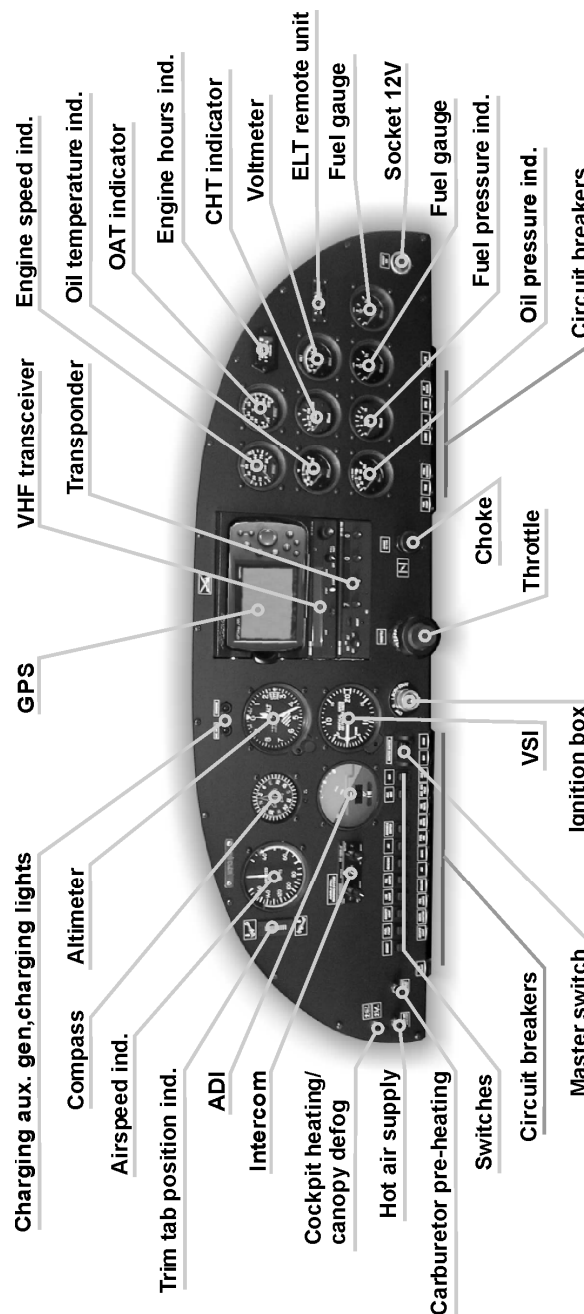
This Supplement adds information necessary for aircraft operation with equipment installed in the **SPORTSTAR** aircraft of S/N 2006 0713.

Procedures and information not mentioned in this Supplement are contained in the basic Aircraft Maintenance and Inspection Procedures.

SECTION 2 – TECHNICAL DESCRIPTION

2.3.9 Instrument panel

The following instrument panel is installed in the **SPORTSTAR** airplane, S/N 2006 0713:





Switches from the left (see instrument panel):

- SOCKET** - if switched on, the socket is under electric power
- FUEL PUMP** - switches on/off the fuel pump
- COCKPIT LIGHT** - switches on/off the cockpit light
- LDG LIGHT** - switches on/off the landing light
- POS LIGHTS** - switches on/off the position lights and instrument lighting
- BEACONS** - switches on/off the beacons
- ADI** - switches on/off the attitude direction indicator
- AVIONICS SWITCH** - switches on/off avionics
- AUX GEN** - switches on/off auxiliary generator
- GEN** - switches on/off generator
- MASTER SWITCH**

Circuit breakers from the left (see instrument panel):

On the left side of the instrument panel:

- LDG LIGHT** circuit breaker of landing light
- COCKPIT LIGHT** circuit breaker of cockpit light
- INSTR LIGHTING** circuit breaker of instrument lighting
- POS LIGHTS** circuit breaker of position lights
- BEACONS** circuit breaker of beacons
- ADI** circuit breaker of attitude direction indicator
- INSTR** circuit breaker of OAT indicator and voltmeter
- FUEL IND** circuit breaker of fuel indicator and fuel pressure indicator
- ENGINE INSTR** circuit breaker of the oil temperature indicator, oil pressure indicator and cylinder head temperature indicator
- ENGINE INSTR** circuit breaker of the engine speed indicator and engine hours indicator
- AUX GEN FIELD** circuit breaker of auxiliary electric generator field
- AUX GEN** circuit breaker of electric generator
- GEN** circuit breaker of electric generator
- ACCU** circuit breaker of accumulator

On the right side of the instrument panel:

- FUEL PUMP** circuit breaker of electric auxiliary fuel pump
- TRIM** circuit breaker of electric trim tab position control
- STALL WARNING** circuit breaker of stall warning system
- COMM** circuit breaker of radiostation
- IC** circuit breaker of intercom
- XPDR** circuit breaker of transponder
- ALT ENCOD** circuit breaker of altitude encoder
- GPS** circuit breaker of GPS

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2.3.10 Avionics

Instruments

The following instruments are installed in **SPORTSTAR** airplane:

| | |
|-------------------------|----------|
| Airspeed indicator | UAI 8000 |
| Altimeter | 5934P-3 |
| Rate-of-climb indicator | UI 7000 |
| Compass | PAI-700 |
| Outer air thermometer | Mitchell |

Navigation and communication equipment

| | |
|-------------------------------|-----------------------------------|
| COMM | KY 97A |
| Transponder | KT 76A with A-30 altitude encoder |
| Intercom | PM 1000 II |
| Horizon with directional gyro | ADI-3 |
| GPS | GARMIN 396 MAP |
| Emergency locator transmitter | AK-450 |

NOTE

Refer to the Manuals supplied with above listed instruments for operation.

2.3.11 Additional equipment

- auxiliary electric fuel pump
- double brake system with parking brake
- electric trim tab control
- stall warning system ACI type T1b
- adjustable rudder control pedals
- position lights with beacons Whelen A 600
- landing light Whelen A715
- aerodynamic wheel covers
- cap for oil level check on the upper engine cowling
- upholstered instrument panel cover and baggage compartment
- sun shield in the cockpit

NOTE

Refer to the Manuals (if any) supplied with above listed equipment for operation.



2.3.12 Control system

2.3.7.2 Cockpit control

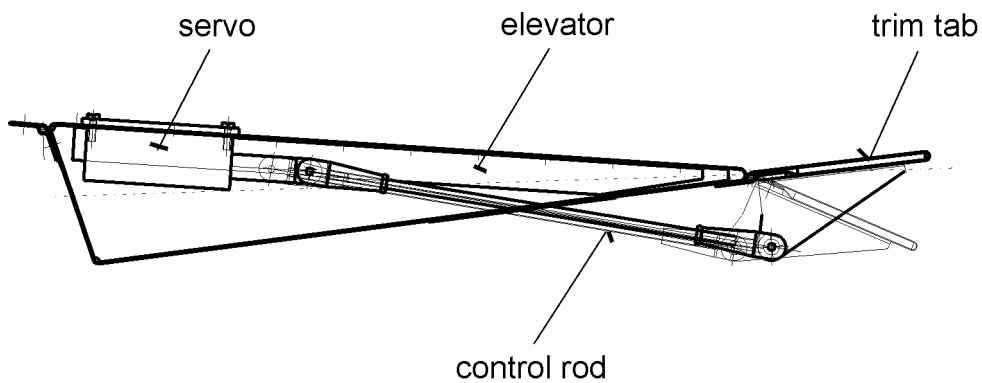
Trim tab control lever is cancelled – the electric control system of the trim tab is installed.

2.3.12.5 Trim tab control system description

Electric elevator trim tab control is installed instead of mechanical. Control switches are located on the top of the left and right control stick. Trim tab position is indicated on the indicator which is located on the instrument panel.

Only trim tab neutral position may be adjusted. Adjustment is performed by the adjustment bolt on the trim tab control rod.

2.3.12.10 Trim tab control system layout



2.3.13 Powerplant

2.3.13.1 Brief description

The ROTAX 912 ULS (100 hp) engine is installed on this aircraft.

2.3.13.5 Analog engine instruments

Additional instrument is installed in this airplane:

| | |
|-------------------------|----------|
| Fuel pressure indicator | Mitchell |
| Engine hours indicator | HOBBS |
| Voltmeter | Mitchell |

2.3.15.1 Lubrication system description

Oil thermostat is installed before oil cooler to stabilize oil temperature.

2.3.17 Heating

Heating system with canopy defog is installed in this airplane – see basic AMOI.

2.3.19 Wiring

2.3.19.1 Wiring description

Auxiliary electric generator, instruments internal lighting and cockpit light are installed on this aircraft.



SECTION 3 – OPERATION

3.2.2.1 HTU from fuselage disassembly

2. Disconnect the trim tab control wire (under HTU close the elevator control rod).

3.2.2.2 HTU to fuselage assembly

6. Connect the trim tab control wire (under HTU close the elevator control rod).

7. Adjust the elevator deflections (see 3.4.4).

SECTION 4 – MAINTENANCE

4.11.5 Trim tab adjustment

Only trim tab neutral position may be adjusted. Adjustment is performed by the adjustment bolt on the trim tab control rod.

SECTION 5 – REPAIRS – NOT AFFECTED

- THE END -