



EVEKTOR - AEROTECHNIK a.s.

Letecká 1384
686 04 Kunovice
Czech Republic

Tel.: +420 572 537 111
Fax: +420 572 537 900
email: marketing@evektor.cz
www.evektoraircraft.com

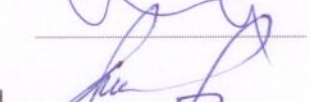
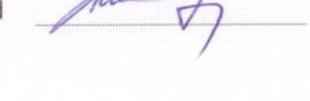
SERVICE BULLETIN No.:

EV97 – 024a

Harmony LSA - 005a

SPORTSTAR – 025a

SPORTSTAR MAX PTF – 005a

1. **CONCERNING:** All models of EV-97 EuroStar, SportStar and Harmony LSA aircraft.
2. **REASON:** A disconnected fuel hose from the non-shouldered end of T fitting in the joint secured by the clip was detected on the aircraft with registration number N821EV (S/N 20070821).
3. **MEASURES:**
1. Inspection of all the T and X fittings used in fuel installation in the engine compartment up to the fuel filter in the cockpit (fittings are part of optional installations). The fitting ends which are not widened shall be modified according to the text of this bulletin.
 2. Record of bulletin implementation in the Aircraft Logbook.
4. **LATEST DAY OF THE ACTION:** At the next regular inspection.
5. **CARRIED OUT BY:** Owner/operator of the airplane.
6. **COSTS COVERED BY:** Owner/operator of the airplane.
7. **NEEDED MATERIAL:** See the text of this bulletin
8. **WORK PROCEDURE:** See the text of this bulletin
9. **APPENDICES:** None
10. **ELABORATED BY:** Miroslav Hábl
11. **APPROVED BY:**
- | | | |
|---|--|------------|
| Ing. Martin Drštička
Project Manager |  | 5.11.13 |
| Ing. Petr Javorský
EV-AT Director |  | 5.12.13 |
| Ing. Stanislav MIKULÁŠTÍK
Quality Assurance Director |  | 25.11.2013 |
| Ing. Milan MACH
Business Director |  | 29.11.2013 |
| Ing. Radek SURÝ
Technical Inspection Head |  | 5.12.2013 |
| | | 29.11.2013 |

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1. Work procedure

One (1) mechanic is needed for about 2 hours to carry out the activity according to points 1.1 to 1.5.

1.1 Dismounting

Remove the upper cowling of the engine.

Dismount the upper cover in front the instrument panel.

1.2 Fuel Draining

Drain part of the fuel from the fuel system. Drain enough of fuel so that there is no fuel in the hoses upstream of the fuel cock.

Carry out the draining according to the procedures and safety measures shown in the Maintenance Manual, Chapter 4.6.

1.3 Check of T and X fittings of the fuel system

During manufacturing these fittings were modified. The ends of fittings were widened in order to secure the hoses properly.

Check all T- and X-fittings mounted in the engine compartment up to the fuel filter in the cockpit. Remove the clips from the fittings and disconnect the hose ends. Check the fittings. If their ends are not widened, modify them according to point 1.4.

1.4 Modification of T and X fittings

Carry out conic widening of all fitting ends according to Fig. 1.

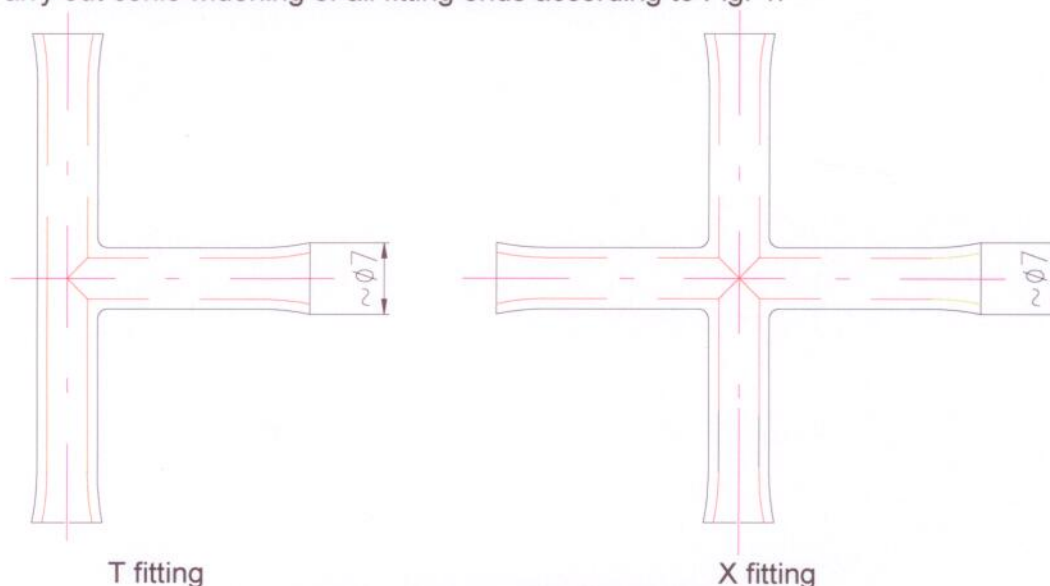


Fig. 1 – Widening of fitting ends

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Widening can be made by hand by circular conical movements of a tapered spindle with a rounded end according to Fig. 2 and 3.



Fig. 2



Fig. 3

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1.5 Mounting

1.5.1 Mounting of fittings

Remount the removed fittings in their the original positions, connect the hoses to them and secure using the original Cobra clips .

1.5.2 Verification of fuel system function

Verify functionality of the aircraft fuel system, finally check full functionality of the system according to appropriate chapters of the Maintenance Manual.

1.5.3 Mounting of cover

Mount the removed cover in its original position in front of the instrument panel.

1.5.4 Mounting of engine cowlings

Remount the upper engine cowling.

1.6 Record of Bulletin Implementation

Add the record of bulletin implementation in the Aircraft Logbook according to point 2.2.

2. Influence on Aircraft Documentation

2.1 Accompanying Technical Documentation

2.1.1 Flight Manual
Not affected.

2.1.2 Maintenance Manual
Not affected.

2.2 Operating technical documents

After bulletin implementation the authorized person will make a record in the Aircraft Logbook:

“Check of T and X fittings of fuel system was performed according to Service Bulletin No. EV97-024a” and will add the date and the signature.

3. Influence on Weight and Balancing

No influence

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