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**VÝROBCE ULTRALEHKÝCH LETADEL
LIGHT SPORTS AIRCRAFT MANUFACTURER**

ATEC v.o.s.
Opolanská 350
289 07 Libice nad Cidlinou
Czech Republic (EU)

volejnik@atecaircraft.eu
Tel.: +420 603 579 358
sales@atecaircraft.eu
Tel.: +420 731 440 144

ALERT SERVICE BULLETIN no. SB01/2025 with influence on safe operation

Issued by: ATEC v.o.s., Opolanská 301, 289 07 Libice n/C, Czech Republic

Subject: Inspection of the fitting of the horizontal tail (HT) for cracks

Issuance date: 10.3.2025 No. of pages: 3

Validity: immediate, before next flight

Affected products/serial numbers:

All airplanes with tailplane in T-arrangement, i.e. types ZEPHYR, ZEPHYR 2000, ATEC 122 Zephyr, ATEC 321 FAETA, ATEC 322 FAETA

Type of the inspection: visual check

Necessary tools: thin knife



Distribution list:

1. Websites of the manufacturer of the airplane: www.atecaircraft.eu
2. Light Aircraft Association of the Czech Republic
3. All ATEC distributors

1. Reason:

During the regular inspection of the ATEC 122 Zephyr with 9000 flight hours, the crack was discovered on one side of the fitting of the horizontal tailplane with a T-arrangement.

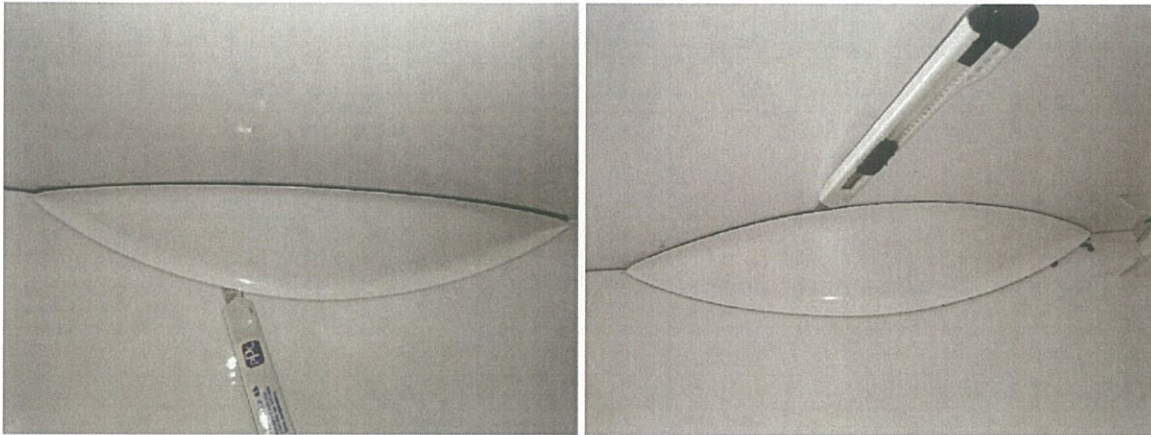


2. Deadline for inspection performance:

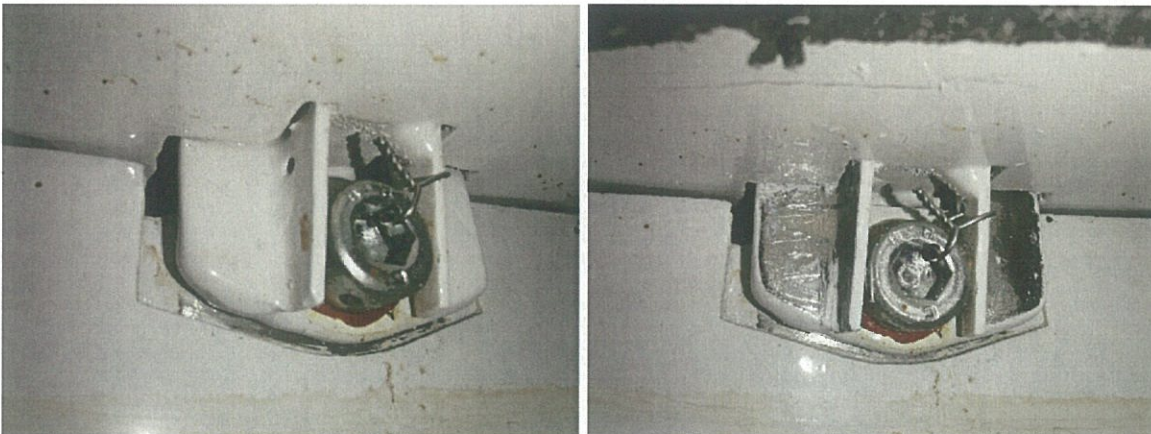
Unlimited, but must be performed before the next flight

3. Inspection performance / procedure:

Using the thin knife, carefully cut away and remove the cover of the fitting of the HT, which is attached on double-sided tape.



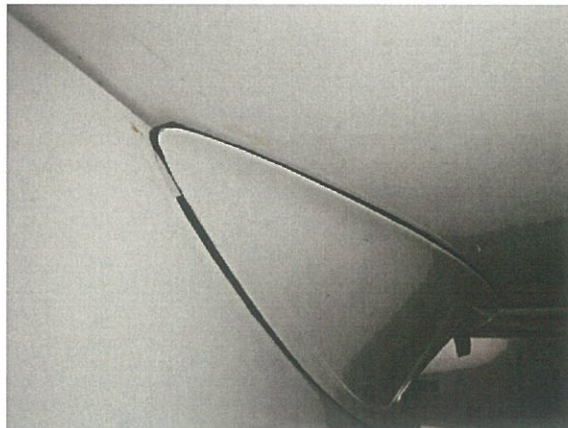
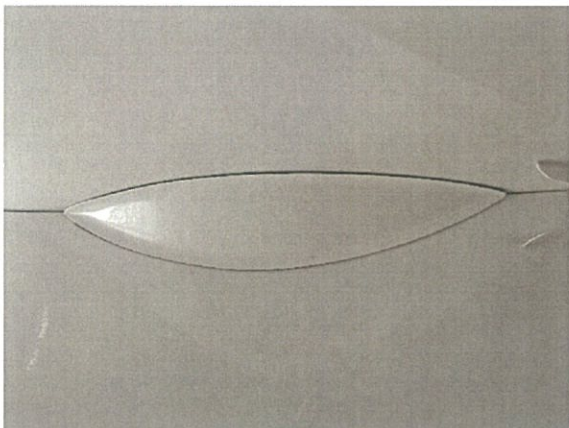
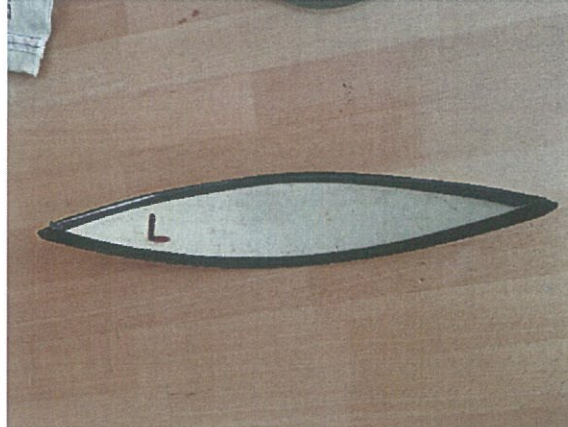
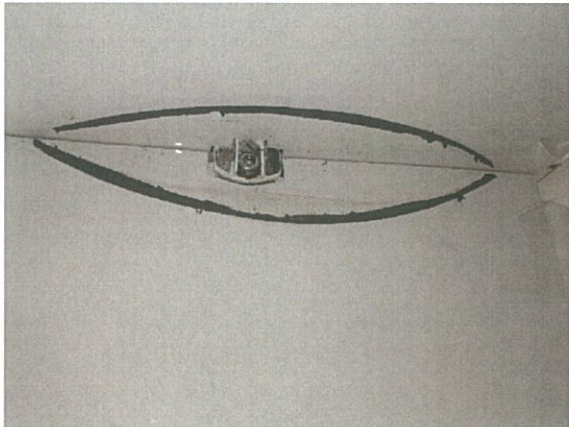
Grind away the paint from the fitting by any sharp instrument, but pay attention not to make scratches in the weldment!



Visually check the stainless steel fitting for incipient micro cracks occurrence. Check if possibly incipient crack occurs on the fitting when applying a for-/backward pressure on the end bow of the horizontal tailplane.

In case of doubt, remove the HT by usual way described in the Flight and Operations Manual of the aircraft and perform a closer inspection of the fitting. In case of unsure findings, contact the aircraft manufacturer.

Remove the rest of the double-sided tape from the surface of the tailplanes and composite covers of the fitting. Degrease corresponding surfaces with a help of e.g. technical benzine. Install new double-sided tape on the composite covers. Correct position of the cover is given by the letter marked inside the cover. The letter „L“ means left hand side and the letter „P“ (or „R“) means right hand side. Instal the cover with the letter in position forward in flight direction. When installing the cover, pay attention to correct and complete adhesion of the tape to the respective surface on its whole length without any interruption. Install it while the temperature is not lower than 15°C, or carefully warm up respective surfaces.



4. Inspection/repair costs

Inspection or possible repair costs are to be covered by the operator of the aircraft.

5. Responsibility definition

The person responsible for proper performance of the inspection or corrective action in case of deficiencies found is the aircraft operator.

6. Notes and explications

After the inspection of the fitting or possibly the repair is performed, make a record in the maintenance book with a reference of the number of the Bulletin, date of performance and signature of the person responsible.

This Bulletin takes effect on 10.3.2025.

Issued and approved by:

Petr Volejník
General director
ATEC v.o.s.

