

# **AEROPRAKT SERVICE BULLETIN**

**No. SB A32-05**

## **REINFORCEMENT OF THE FRAME No.10 OF A32 AND A32L AIRCRAFT**

### **Repeating symbols:**

Please, pay attention to the following symbols throughout this document marking important information.

- ▲ **WARNING:** Identifies an instruction, which if not followed may cause serious injury or even death.
- **CAUTION:** Denotes an instruction, which if not followed, may cause severe damage.
- ◆ **NOTE:** Information useful for better handling.

**Release date: 19.07.2018**

**Effective date: 19.07.2018**

**Completion date:**

**Superseded notice:**

**Model: A32, A32L**

**Serial number(s) affected: All A32 aircraft to and including s/n 053 and  
all A32L aircraft to and including s/n 017**

**1) Planning information****1.1) Aircraft affected**

All A32 airplanes, S/N to and including 053 and all A32L airplanes, S/N to and including 017.

**1.2) Reason**

In case if excessive impact of the tail skid against the ground during take-off or landing the frame No. 10 may be damaged.

**1.3) Subject**

Frame No.10 of the fuselage tail boom.

**1.4) Compliance**

Compliance with this Service Bulletin is mandatory for all affected aircraft for flight safety reasons!

**1.5) Approval**

The technical content of this Service Bulletin has been approved by Aeroprakt.

**1.6) Manpower**

Estimated work: 16 man-hours.

**1.7) Mass data**

Mass change – insignificant.

**1.8) Revision of other documents**

None.

**1.9) Spare parts**

Reinforcing doubler and set of rivets.

**2) Spare parts information**

Price of the mod kit: consult your local dealer.

### 3) Accomplishment / Instructions

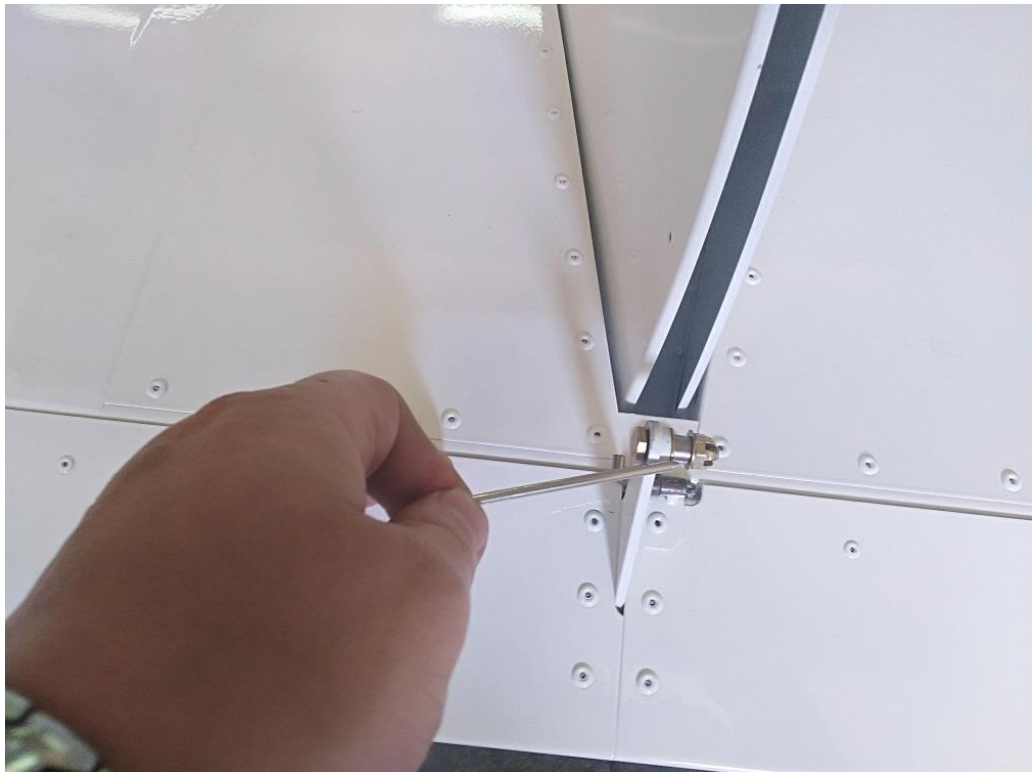
▲ **WARNING:** Non-accomplishing this work may result in failure of the frame No.10.

3.1) Remove the tail fairing of fuselage by undoing 14 screws (Fig.1).



**Fig. 1.**

3.2) Disconnect the AMHT (all-moving horizontal tail) antiservo/trim tab control cable (Fig.2).



**Fig. 2.**

3.3) Disconnect the AMHT control pushrod (Fig.3).



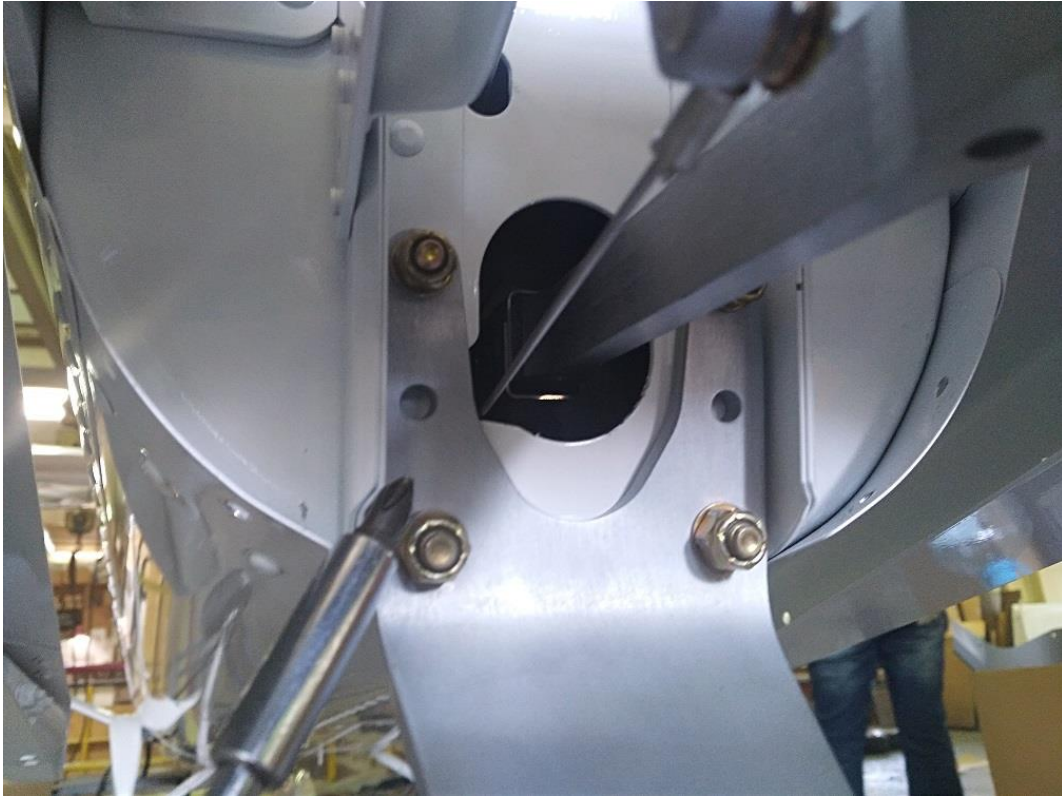
**Fig. 3.**

3.4) Remove the AMHT by undoing its two attachment bolts (Fig. 4).



**Fig. 4.**

3.5) Remove the tail skid from the frame No. 10 (Fig. 5).



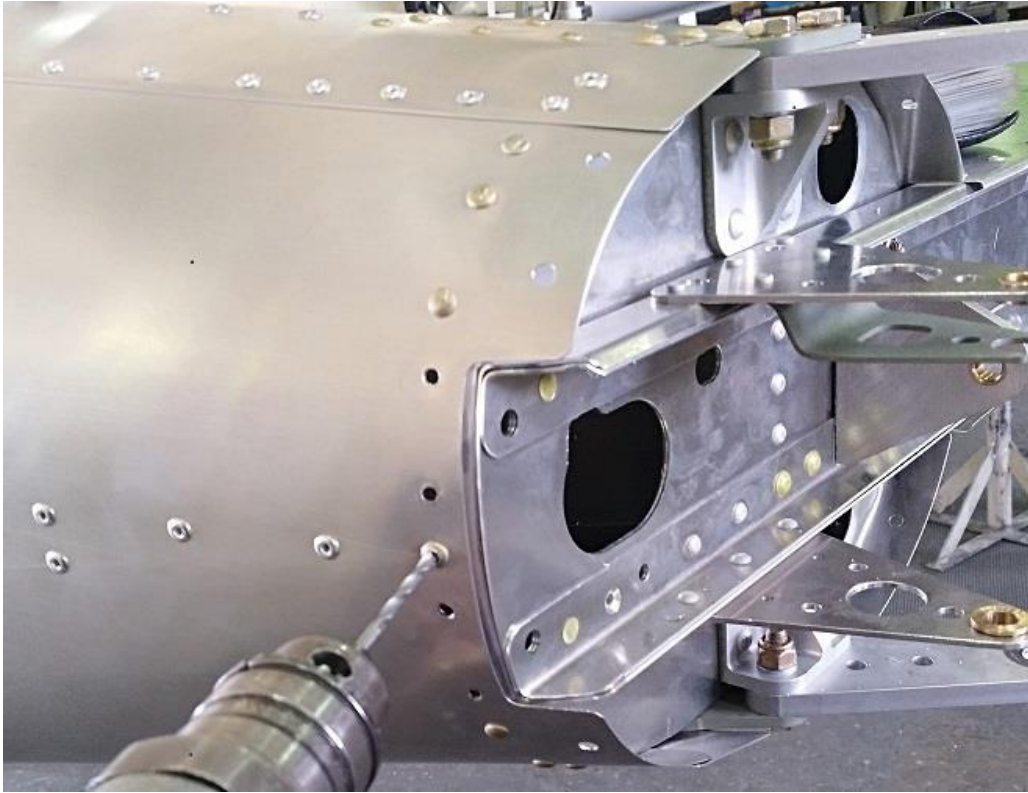
**Fig. 5.**

3.6) Undrill two flush head rivets marked with arrows in Fig. 6.



**Fig. 6.**

3.7) Undril 5 rivets on the bottom side of the tail boom at the frame No. 10 (Fig 7).



**Fig. 7.**

3.8) Install the reinforcing doubler with bolts as shown below, use a 90° drill to mark position of holes in the flanges of the reinforcing doubler through the holes in the frame No. 10 (Fig. 8).



**Fig. 8.**

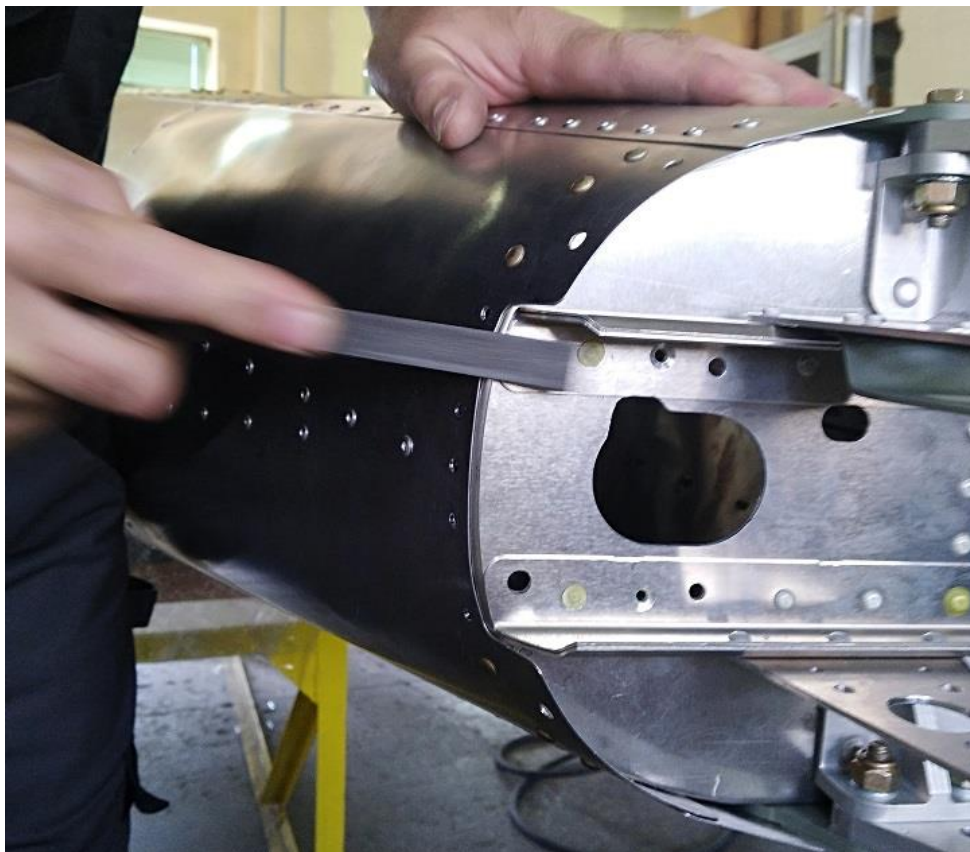
3.9) Mark with a marker the holes in the doubler through the holes in the fin spar (Fig. 9).



**Fig. 9.**

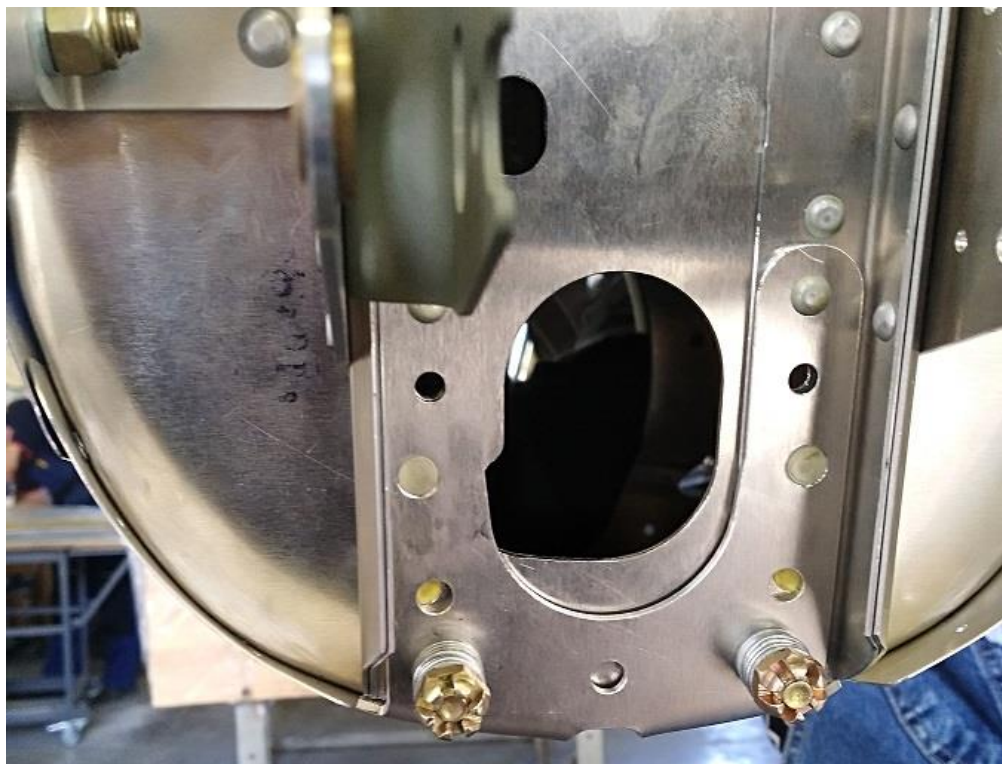


3.10) Round the sharp edge of the fin spar flange to ensure a better fit of the doubler (Fig. 10).



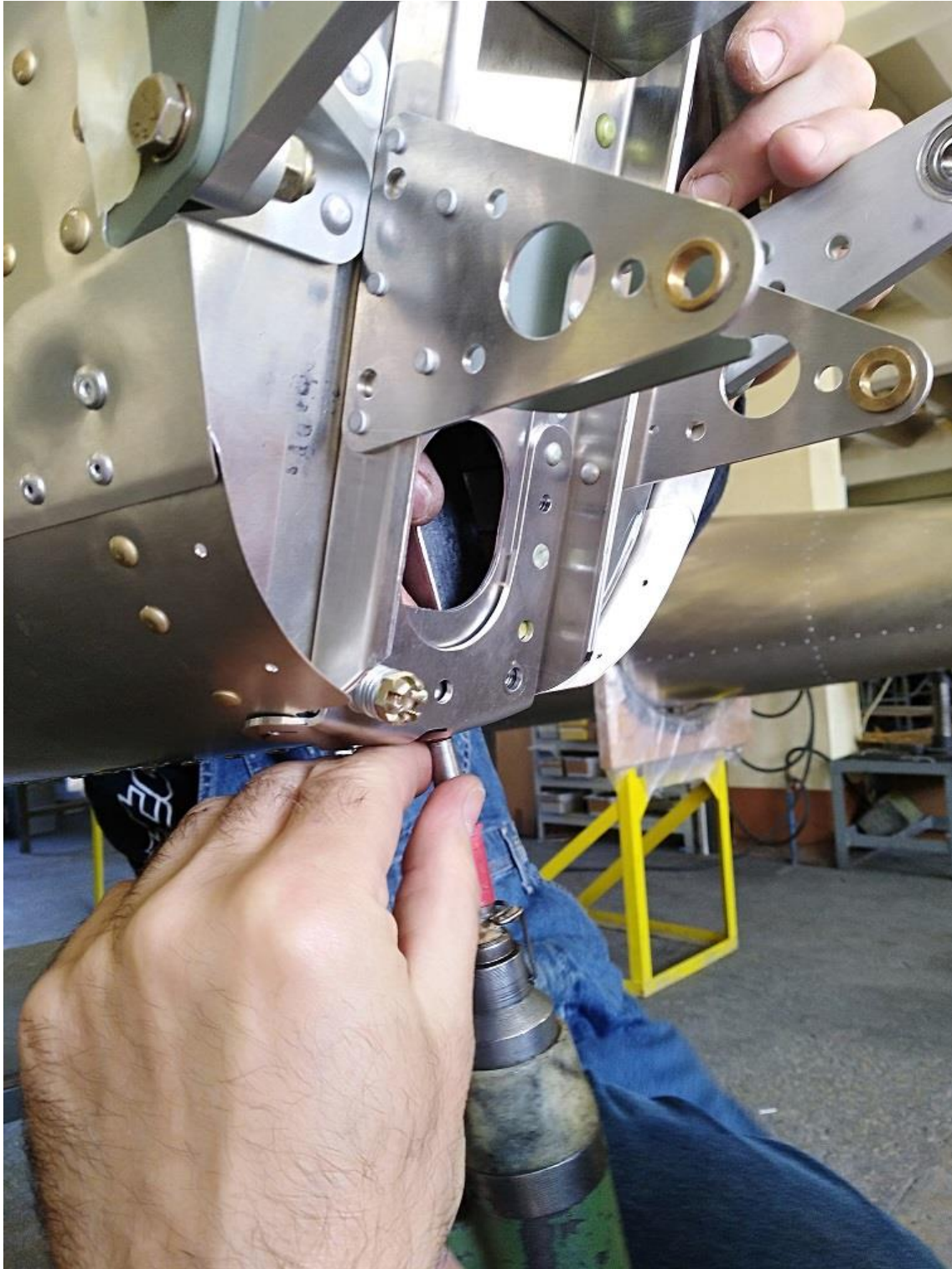
**Fig. 10.**

3.11) Attach the doubler with temporary bolts, install two rivets with flush heads and two rivets with normal heads on the fin spar (Fig. 11).



**Fig. 11.**

3.12) Install the rivets on the flanges of the doubler (Fig. 12).



**Fig. 12**

3.13) Install back the AMHT in reversed order.