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# **AEROPRAKT**

## **SERVICE BULLITEN**

### **No. SB A-32-05**

**Release date: 19.07.2018**

**Effective date: 19.07.2018**

**Completion date:**

**Superseded notice: none**

**Model: A-32**

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

**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.

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

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

**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**

Modification of the all-moving horizontal tail (AMHT) of A32 aircraft.

**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

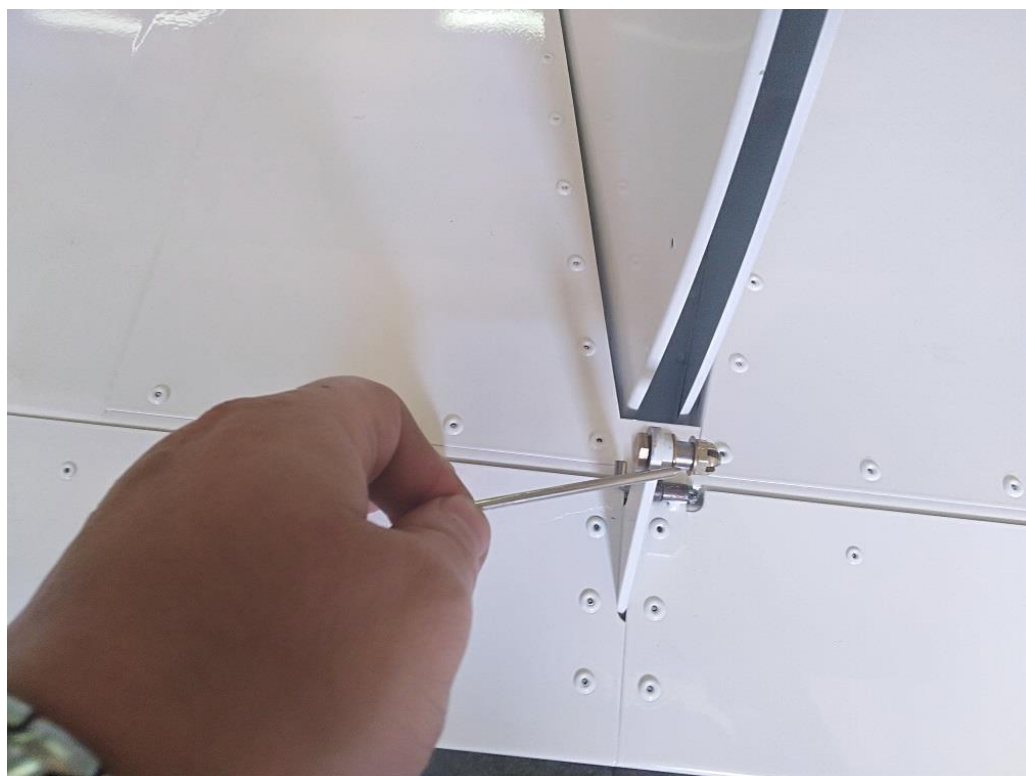
▲ **WARNING:** Non-accomplishing this work may result in failure of the frame No.10.

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).



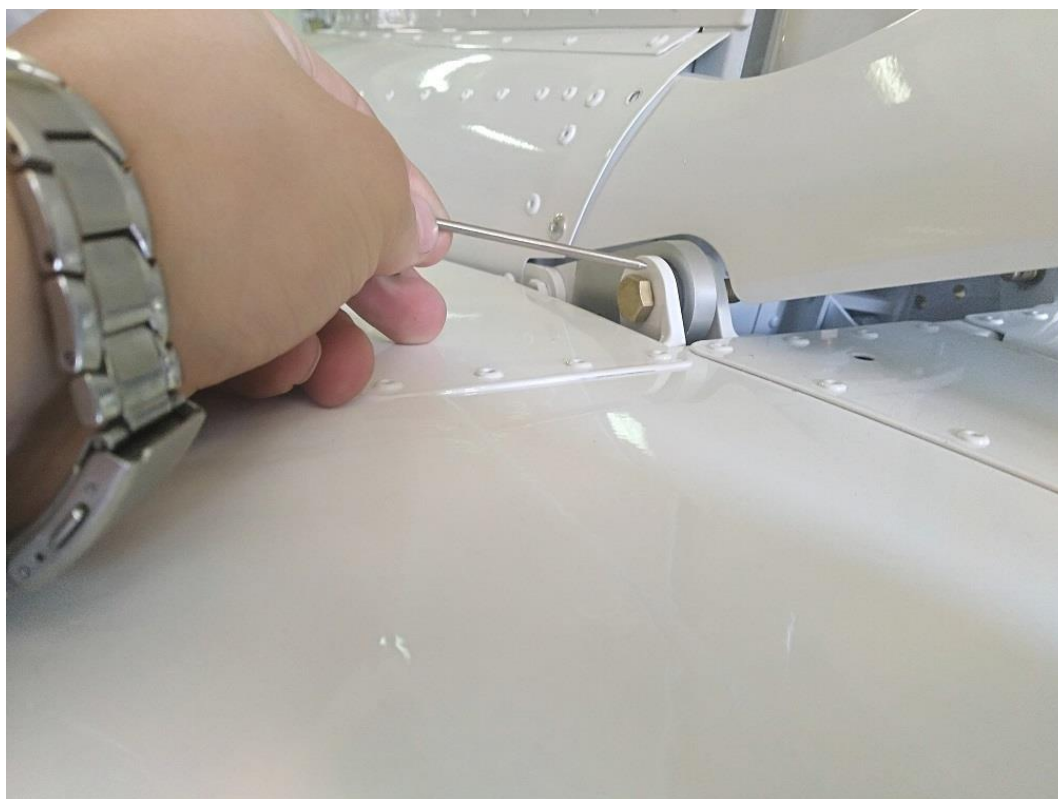
**Fig. 2.**

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



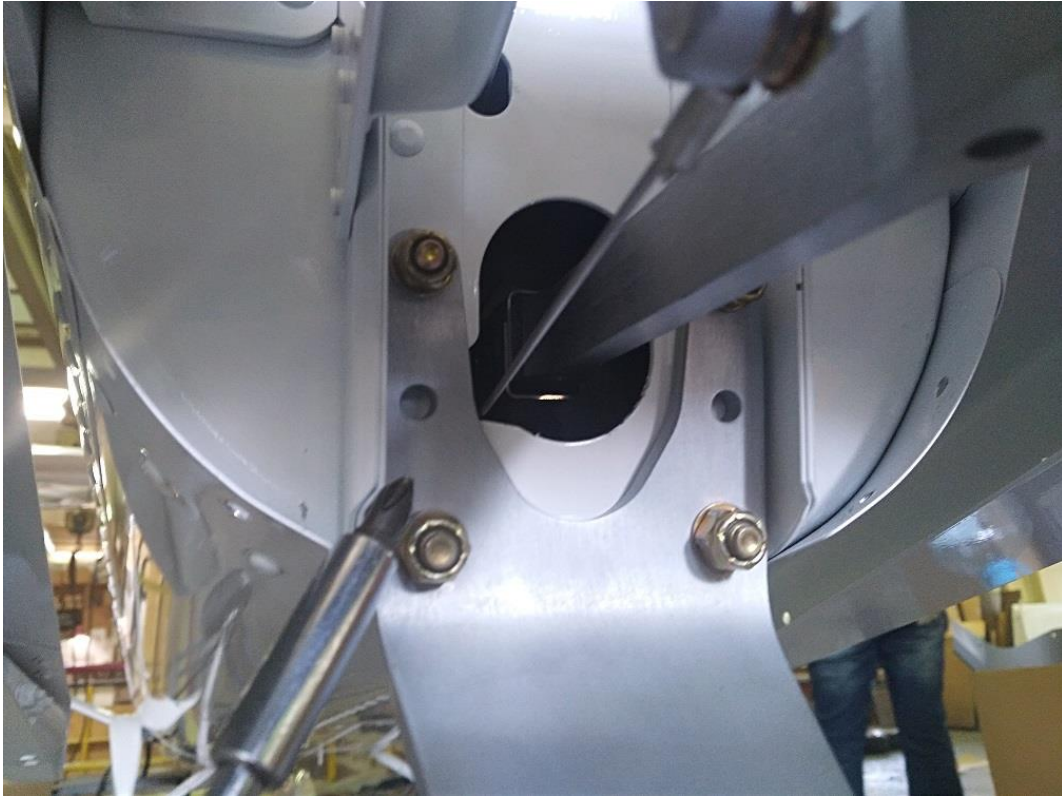
**Fig. 3.**

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).

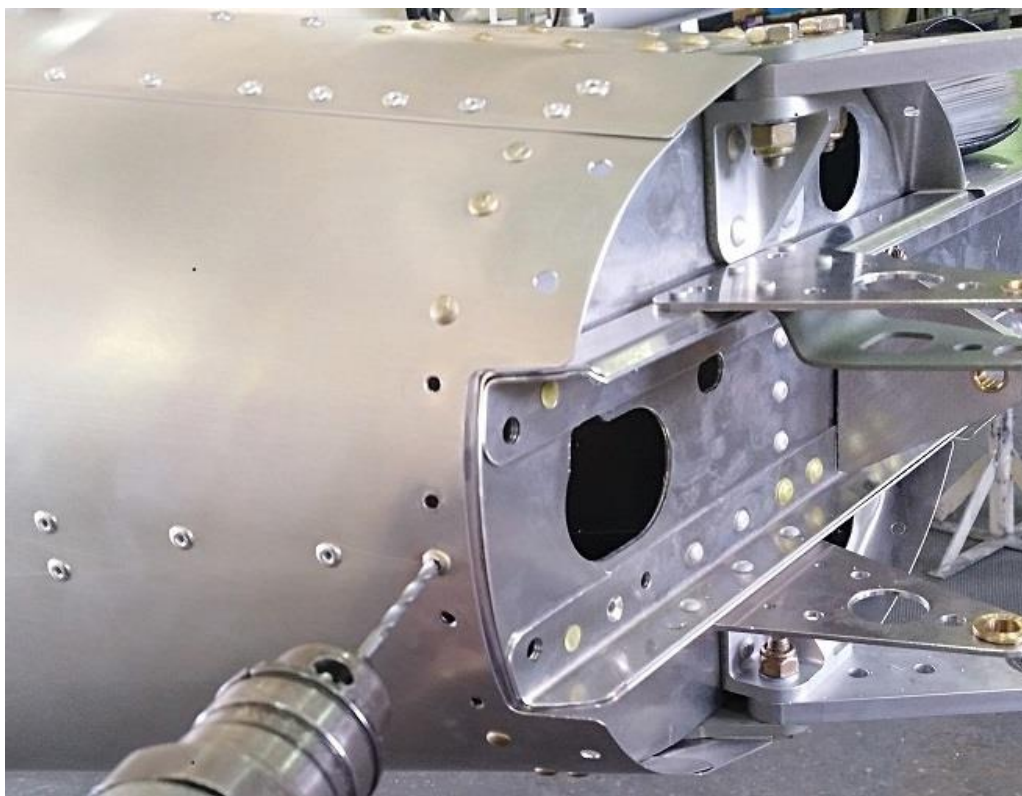


Fig. 7.

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.

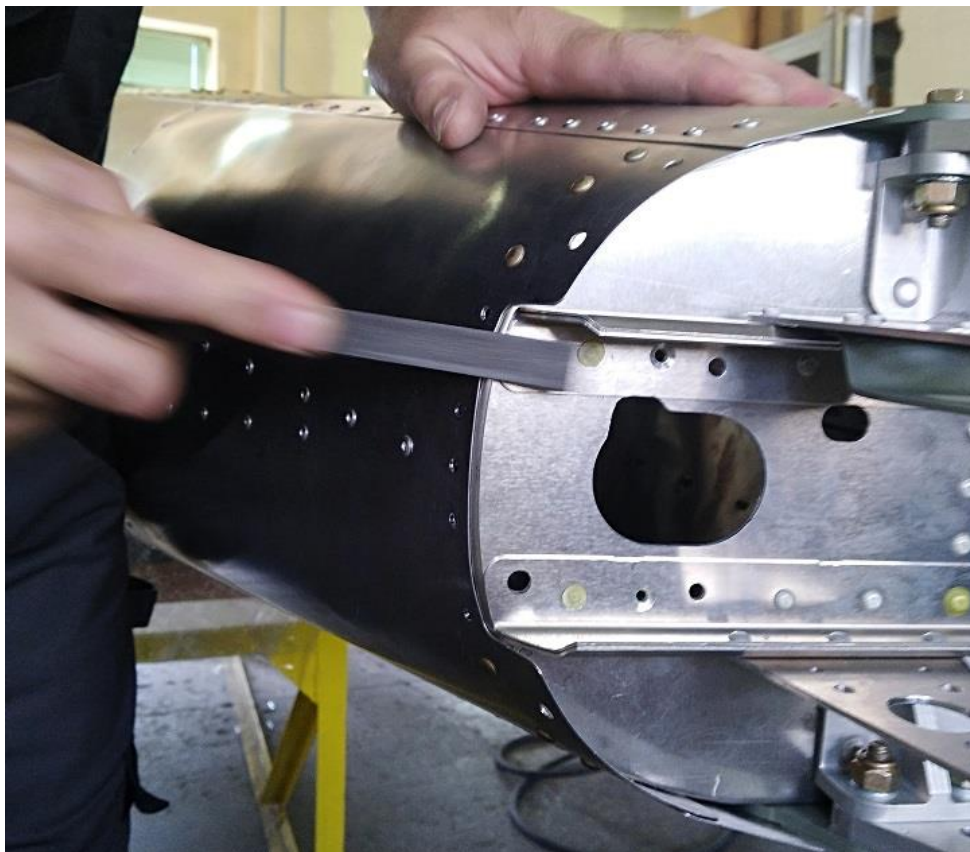
3.9) Mark with a marker the holes in the doubler through the holes in the fin spar (Fig. 9).



**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).

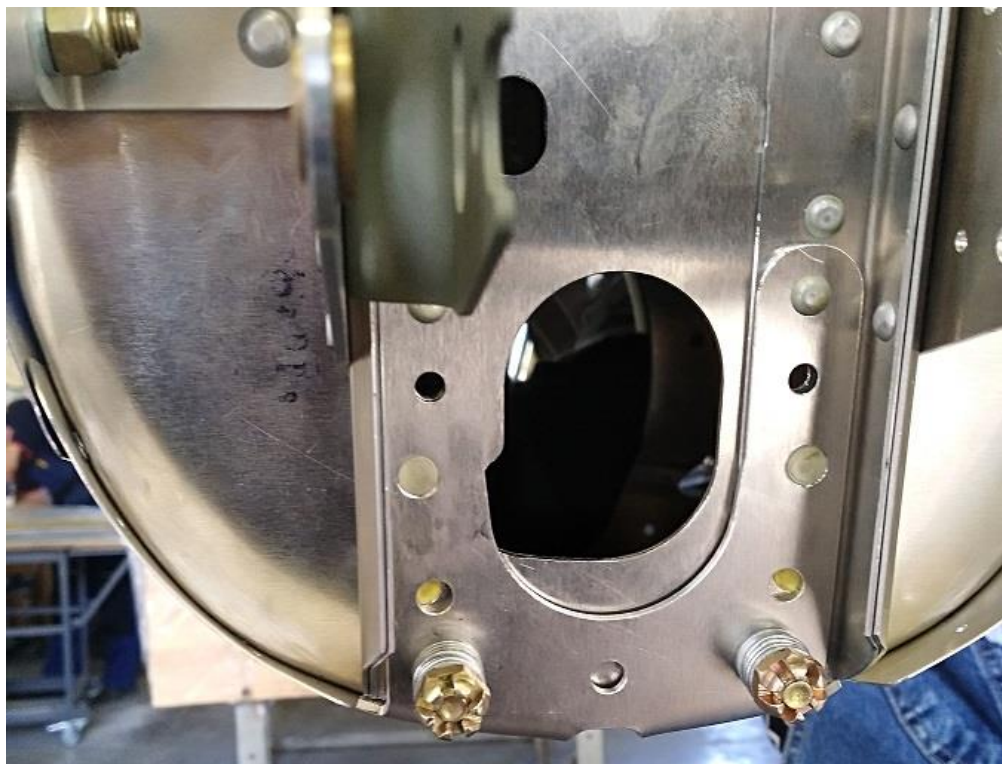


Fig. 11.

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

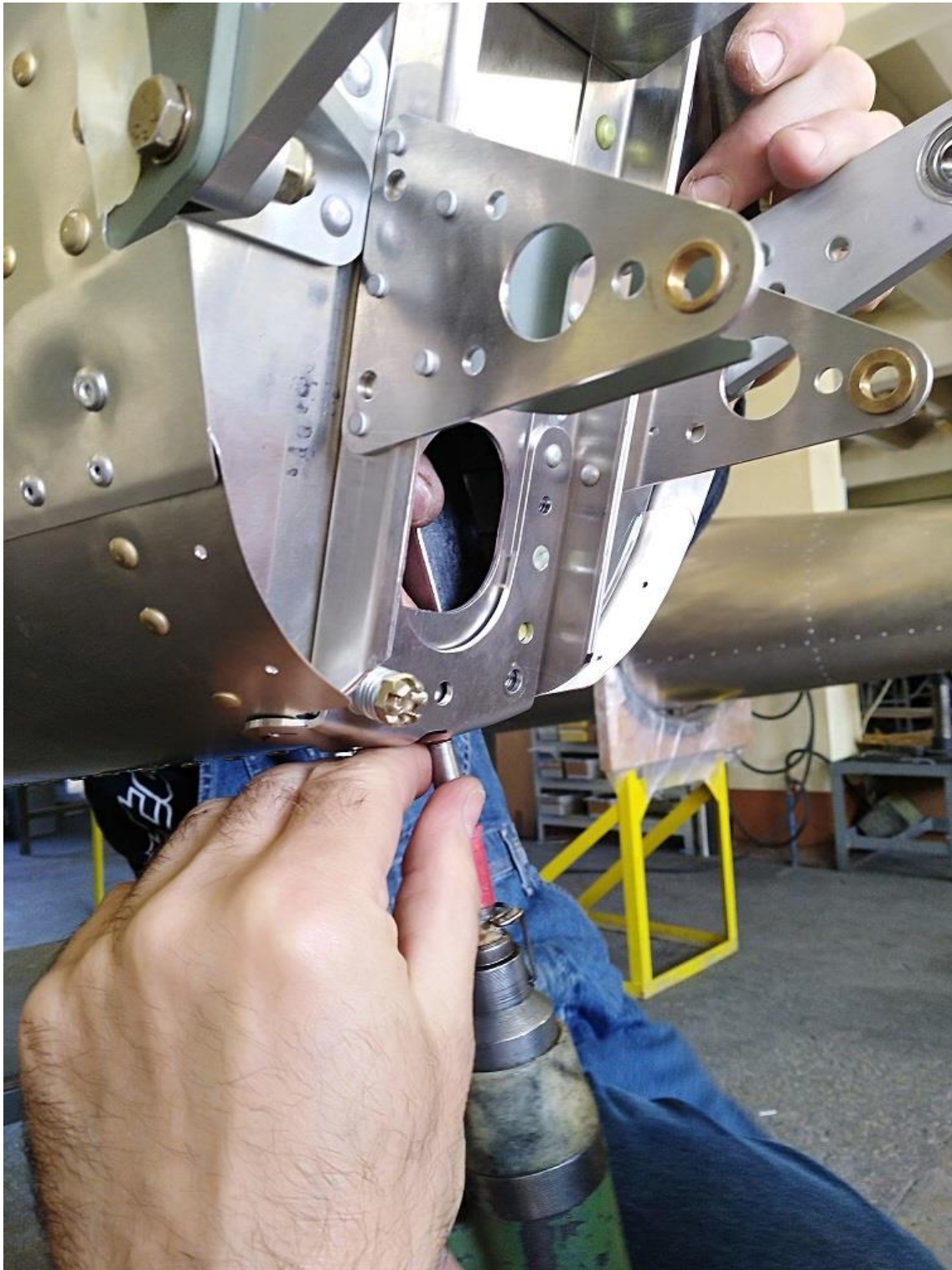


Fig. 12

3.13) Install back the AMHT in reversed order.

3.14)

