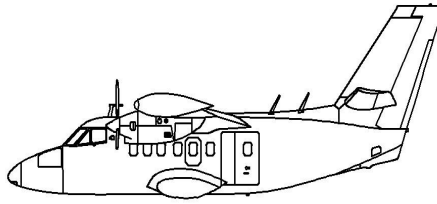




Aircraft Industries, a.s.



## MANDATORY BULLETIN

**MB No.: L 410 UVP-E/111a**

**CONCERNING:** L 410 UVP-E, E9, E20 all aircraft variants and modifications provided with rear baggage compartment accessible from inside applicable from the aircraft S. N. 851428 to aircraft put into service in September 2008 (included in).

**Subject:** Check and appropriate repair of sandwich panel fixing in rear baggage compartment.

**Reason:** Rectification of findings on the aircraft in operation.

**To be carried out not later than:**

1. Check according to the part 2.B, point No. 1 during nearest inspection date after 300 flight hours have been achieved.
2. Repair according to the part 2.B, point No. 2 during first subsequent periodic inspection date after 300 flight hours have been achieved.

**To be carried out by:**

1. Check according to the part 2.B, point No. 1 operator.
2. Repair according to the part 2.B, point No. 2 organization approved for the aircraft type L410 servicing.

**Costs covered by:** Operator.

**Necessary material to be supplied by:** Aircraft Industries a. s., Kunovice, Czech republic as per order.

**Bulletin becomes effective:** On the date of its issue.

**No. of pages:** 6

  
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Ing. Pešák Miroslav  
Chief Designer

Technical content of this document has been approved based on the Design Organisation  
Approval No. EASA.21J.119.  
29.6.2009

## PERFORMANCE: MANDATORY

### 1. INSTRUCTIONS FOR PLANNING

#### A. CONCERNS:

##### 1. Aircraft type

L410 UVP-E, E9, E20.

##### 2. Version / S. N.

All aircraft variants and modifications with rear baggage compartment accessible from inside applicable from the aircraft S. N. 851428 to aircraft put into service in September 2008 included.

##### 3. Qualification for implementation

There is not any special requirement.

##### 4. New equipment

Not required.

#### B. REASON

Check and appropriate repair of sandwich panel fixing in rear baggage compartment. Rectification of findings on the aircraft in operation.

#### C. DESCRIPTION

1. Check of sandwich panel fixing in rear baggage compartment.
2. Repair of sandwich panel fixing in rear baggage compartment.

#### D. APPROVAL

This bulletin has been prepared based on design data approved in the course of aircraft type design.

#### E. MAN-HOURS

Supposed man-hours:	- 1. Check	- 1 m-hr.
	- 2. Repair	- 2,5 m-hr.

#### F. MATERIAL - AVAILABILITY

##### 1. New equipment

Not required.

##### 2. Installation parts

Can be ordered from the aircraft manufacturer  
Aircraft Industries a.s., 686 04 Kunovice, Czech Republic.

##### 3. Costs

To be covered by the operator.

#### G. SPECIAL TOOLS

Not required.

#### H. WEIGHT AND BALANCE

Practical impact over aircraft weight and balance is negligible.

## **I. USED DOCUMENTATION**

### **Drawings**

B590 500N, sheet No. 1	Baggage compartment
B590 520N	Sandwich panel
B592 450N	Baggage compartment

## **J. AMENDED DOCUMENTATION**

**LP** Not affected.

**PÚ** Not affected.

**PTP** Not affected.

**AE** Not affected.

## **2. INSTRUCTIONS FOR IMPLEMENTATION**

### **A. PREPARATORY WORK**

Not required.

### **B. MODIFICATIONS**

#### **1. Check of sandwich panel fixing in rear baggage compartment.**

##### **1.1. Valid for the aircraft types provided with rear baggage compartment between frames from No. 19a to No. 21.**

- Dismount upholstery panels in upper and in lower part of side panel between frames No. 19a to No. 21 in rear baggage compartment.
- Perform check of the sandwich panel fixing in the rear baggage compartment pos. No. 2 related to right side panel stiffener located between frame No. 19a and frame No. 21 by means of tube rivets pos. 25 according to Dwg. No. B590 500N, sheet No. 1, View A-A, B590 520N.
- Between frame No. 19a and frame No. 20 must be:
  - minimally 5 rivets with approximate spacing width 40 mm,
  - rivet edge distance in the sandwich panel and in the right side stiffener should be kept 7 mm minimally.
- Between frame No. 20 and frame No. 21 must be:
  - minimally 9 rivets with approximate spacing width 50 mm,
  - rivet edge distance in the shelf and in the right side stiffener should be kept 7 mm minimally.
- Mount the upholstery panels back into upper and lower part of right side panel between frames No. 19a and frame No. 21 located in rear baggage compartment.
- Provided that the sandwich panel fixing comply to design documentation then carry out record in the airplane logbook according to the part No. 4, point No. 1.
- Provided that the sandwich panel fixing comply to design documentation carry out repair according to the part 2.B, point No. 2.

##### **1.2. Valid for aircraft type provided with baggage compartment located between frame No. 18 and frame No. 19a.**

- Dismount upholstery panels in upper and in lower part of right side panel between frame No. 18 and No. 19a.
- Perform check of the sandwich panel fixing pos. No. 2 related to right side panels, that is located between frame No. 18 and No. 19a with means of tubular rivet pos. No. 35 according to the Dwg. No. B592 450N
- There between 18<sup>th</sup> and 19<sup>th</sup> frame must be:
  - minimally 9 rivets with approximate spacing width 42 mm,
  - rivet edge distance in the sandwich panel and in the right side stiffener should be kept 7 mm minimally
- There between frame No. 19 and frame No. 19a must be:
  - minimally 3 rivets with approximate spacing 50 mm,
  - rivet edge distance in the sandwich panel and in the right side stiffener should be kept 7 mm minimally.
- Mount the upholstery panels back into the upper and lower part of right side panel located between frame No. 19a and No. 21.
- Provided that the sandwich panel fixing comply to design documentation then carry out record in the airplane logbook according to the part No. 4, point No. 1.
- Provided that the sandwich panel fixing comply to design documentation carry out repair according to the part 2.B, point No. 2.

## **2. Repair of shelf fixing in rear baggage compartment.**

### **2.1. Valid for aircraft types provided with rear baggage compartment located between frame No. 19a and frame No. 21.**

- Dismount upholstery panels in upper and also in lower part of right side panel between frame No. 19a and frame No. 21 in rear baggage compartment.
- Perform repair according to Dwg. No. B590 500N, sheet No. 1 and Dwg. No. B590 520N.
  - a) Identify rivets in the sandwich panel or in the side stiffener set there in shorter edge distance than 7 mm.
    - Complete new rivets spaced 15 mm from origin rivets positions. Do not modify or drill out origin rivets.
  - b) Rivet completion
    - Provided that the edge distance of first rivets at frames No. 19a, No. 20 and No. 21 from sandwich panel edge is longer than 24 mm, complete there rivets to get edge distance 9 mm from the sandwich panel along the longitudinal axis of the aircraft.
    - Complete rivets between frame No. 19a and frame No. 20 to get assemblage of minimally 5 rivets equally spaced. Originally set rivets in other edge distance than is mentioned in the point a) should not figure in the assemblage. Mutual spacing of neighboring rivets must be kept in interval from 15 mm to 45 mm.
    - Complete rivets between frame No. 20 and frame No. 21 to get assemblage of minimally 9 rivets equally spaced. Originally set rivets in other edge distance than is mentioned in the point a) should not figure in the assemblage. Mutual spacing of neighboring rivets must be kept in interval from 15 mm to 55 mm.
- Mount back upholstery panels in upper and lower part of right side panel located between frame No. 19a and frame No. 21 in rear baggage compartment.
- Perform record in the airplane logbook according to the part No. 4, point No. 2.

### **2.2. Valid for aircraft types provided with rear baggage compartment located between frame No. 18 and frame No. 19a.**

- Dismount upholstery panels in upper and also in lower part of right side panel between frame No.18 and No. 19a in rear baggage compartment.
- Perform the repair according to the Dwg. No. B592 450N.
  - a) Identify rivets in the sandwich panel or in the side stiffener set there in shorter edge distance than 7 mm.
    - Complete new rivets spaced 15 mm from origin rivets positions. Do not modify or drill out origin rivets.
  - b) Rivet completion
    - Provided that the edge distance of first rivets at frames No. 18, No. 19, No. 19a from sandwich panel edge is longer than 24 mm, complete there rivets to get edge distance 9 mm from the sandwich panel along the longitudinal axis of the aircraft.
    - Complete rivets between frame No. 18 and frame No. 19 to get assemblage of minimally 9 rivets equally spaced. Originally set rivets in other edge distance than is mentioned in the point a) should not figure in the assemblage. Mutual spacing of neighboring rivets must be kept in interval from 15 mm to 47 mm.
    - Complete rivets between frame No. 19 and frame No. 19a to get assemblage of minimally 3 rivets equally spaced. Originally set rivets in other edge distance than is mentioned in the point a) should not figure in the assemblage. Mutual spacing of neighboring rivets must be kept in interval from 15 mm to 55 mm.
- Mount back upholstery panels in upper and lower part of right side panel located between frame No. 19a and frame No. 21 in rear baggage compartment.
- Perform record in the airplane logbook according to the part No. 4, point No. 2.

**C. TESTS**

Not required.

**D. FINISHING WORK**

- Carefully clear all areas where the installation work has been carried out from scraps of material and from dirt.

**3. NECESSARY MATERIAL**

**A. INSTALLATION KITS DELIVERED BY THE AIRCRAFT MANUFACTURER**

After the repair performance

<b>Identifier</b>	<b>Pcs./aircraft</b>	<b>Note</b>
3500 4414	14	Tubular rivet 4x14 CSN 022382.14

**B. NEW EQUIPMENT**

Not required

**4. RECORD IN THE AIRPLANE LOGBOOK**

1. Check of shelf fixing in rear baggage compartment has been performed according to MB L410UVP-E/111a content. Fixing of the shelf is performed to comply with the design documentation.
2. Repair of the shelf fixing compartment has been performed according to MB L410UVP-E/111a content.

Date: .....

Performed by: .....  
(legible signature of verification engineer)