

Service Bulletin No: 55-002

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Modification No: EC-12-0389, EC-12-0496

ATA Chapter: 55

**STABILIZERS - HORIZONTAL STABILIZER
INSPECTION AND REPAIR OF THE HORIZONTAL STABILIZER TO FUSELAGE ATTACHMENTS****1. Planning Information****A. Effectivity**

All Pilatus PC-6 Series aircraft up to MSN 992.

Fairchild built PC-6 aircraft MSN 2001 thru 2092.

Horizontal stabilizer assemblies P/N 6304.0010.54, S/N 001 thru 600, held as spares.

Improvements to production processes will be implemented on aircraft MSN 993 and up, and horizontal stabilizer assemblies P/N 6304.0010.54, S/N 601 and up.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

Pilatus has received reports of damaged bearing plates (P/N 6201.1141.00/01) and hinge brackets (P/N 6304.0021.51/52). The bearing plates are the fuselage fittings for the horizontal stabilizer attachment. The hinge brackets attach the horizontal stabilizer to the bearing plates.

(2) Cause

It is suspected that the problem is caused by the application of too much force to the ends of the horizontal stabilizer when ground handling.

(3) Solution

Do an inspection of the attachment parts and replace a bolt, nut and washer at the two bearing plates. Do repairs if necessary and install additional larger 'DO NOT PUSH' placards to prevent mishandling.

NOTE: You can do the inspection with the horizontal stabilizer installed or removed, but it must be removed to do repairs.

For horizontal stabilizer assemblies held as spare, examine the hinge brackets and repair if necessary. Install additional larger 'DO NOT PUSH' placards.

D. Description

This Service Bulletin gives the data and instructions to:

- Examine the attachment parts for damage and correct installation
- Replace a bolt, nut and washer at the two bearing plates (not applicable for spare horizontal stabilizers)
- Do repairs if necessary
- Install additional 'DO NOT PUSH' placards.

Revision 1 to this Service Bulletin slightly decreases the size of the two screw holes in the new hinge bracket and brings the Service Bulletin up to the latest standard.

No rework is required on aircraft repaired in accordance with the initial issue of this Service Bulletin.

E. Compliance

Recommended.

F. Approval

The technical content of this Service Bulletin is approved under the authority of DOA No. EASA. 21J. 357.

PILATUS advises Operators/Owners to check with their designated Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

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H. Manpower

NOTE: The work required on each aircraft will not be the same. The man-hours given are typical examples only.

	Aircraft (If no rework is required)	Aircraft (If rework is required)	Spares
Preparation	1.0	1.0	-
Inspection	2.0	2.0	2.0
Remove the Stabilizer	-	1.5	-
Rework one Radius Plate	-	0.5	0.5
Replace one Hinge Bracket	-	10.0	10.0
Spotface one Bearing Plate	-	1.0	-
Install the Stabilizer	-	2.5	-
Install Placards	0.5	0.5	0.5
Close up	1.0	1.0	-
TOTAL MAN-HOURS	4.5	20.0	13.0

NOTE: Man-hours figures do not include the time required to cure sealants, paints and adhesives.

I. Weight and Balance

(1) Weight Change

None.

(2) Moment Change

None.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (Holders of Doc. No. 01975 only): 20-31-00, 55-11-11.

M. Publications Affected

Not applicable.

N. Interchangeability of Parts

A Pre SB 55-002 horizontal stabilizer assembly cannot be installed on a Post SB 55-002 aircraft.

2. Material Information

A. Material - Price and Availability

Modification Kit No. 113.45.06.009 is necessary to do this Service Bulletin.

Operators who require further information on price and availability should contact their Customer Liaison Manager at Pilatus Aircraft Ltd., 6371 Stans, Switzerland.

Operators are requested to advise Pilatus Aircraft Ltd, using the Service Bulletin Evaluation Sheet, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are allocated for this Service Bulletin.

NOTE: Part numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered are correct when dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the delivered parts, if parts are superseded. Operators are requested to check the IPC for delivered parts which differ from those listed in the Service Bulletin Materials List.