

Service Bulletin No: 55-004

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Modification No: INSPECTION

ATA Chapter: 55

**STABILIZERS - HORIZONTAL STABILIZER - HINGE BRACKETS
FASTENER INSPECTION AND POSSIBLE REWORK****1. Planning Information****A. Effectivity**

All Pilatus PC-6 aircraft.

Fairchild built PC-6 aircraft MSN 2001 thru 2092.

Horizontal stabilizer assemblies held as spares.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

During a routine inspection the rivets of the hinge bracket assemblies were found to be sheared or missing.

(2) Cause

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

NOTE: Larger 'DO NOT PUSH' placards for the horizontal stabilizer can be installed (Ref. SB 55-002).

(3) Solution

The LH and RH hinge bracket assemblies must be inspected. Damaged rivets and screws must be replaced. If old standard screws are installed, they must be replaced with the latest production standard screw.

D. Description

This Service Bulletin gives the data and instructions to do the inspection and rework as follows:

- Inspect the rivets and the screws of the LH and RH hinge brackets.
- Replace damaged rivets.
- Replace old standard or damaged screws with the latest production standard screws.
- Replace any damaged or lose bonding strap fasteners (if installed).
- Replace any damaged hinge bracket assemblies if necessary.

E. Compliance

Mandatory.

Accomplishment of this Service Bulletin is necessary at or before the next scheduled maintenance (100 Hour Inspection or Annual Inspection) and within 12 months from the issue date of this Service Bulletin.

For spare parts in stores, accomplishment of this Service Bulletin is necessary at or before installation on an aircraft and within 12 months from the issue date of this Service Bulletin.

F. Approval

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

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H. Manpower

	Inspection	Rivet	Fastener	Hinge Bracket Assy (One Pair)	Hinge Bracket Assy (Two Pairs)
Preparation	2.0	-	-	-	-
Inspection	0.5	-	-	-	-
Replacement	-	2.0	3.0	9.0	15.0
Close up	6.0	-	-	-	-
TOTAL MAN-HOURS	8.0	2.0	3.0	9.0	15.0

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

I. Weight and Balance**(1) Weight Change**

Not affected.

(2) Moment Change

Not affected.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM): 20-40-10, 55-11-11.

Structural Repair Manual (SRM): 51-00-03, 51-00-06.

M. Publications Affected

None.

N. Interchangeability of Parts

Pre-SB 55-004 screws (old standard) are not interchangeable on Post-SB 55-004 aircraft.

2. Material Information**A. Material - Price and Availability**

Operators that require additional information and/or Service Bulletin Material should contact their authorized Pilatus Service Center, or Pilatus Customer Support on www.pilatus-aircraft.com
→ contact us.

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.

B. Warranty

Not applicable.

C. Material Necessary for Each Aircraft**(1) Material to be Procured**

Not applicable.