

Service Bulletin No: 27-006

Ref No: 222

Modification No: INSPECTION

ATA Chapter: 27

**FLIGHT CONTROLS - RUDDER - RUDDER SHAFT ASSY
INSPECTION FOR APPROVED RIVET CONFIGURATION****1. Planning Information****A. Effectivity**

All Pilatus PC-6 aircraft.

Fairchild built PC-6 aircraft MSN 2001 thru 2092.

Rudder shaft assemblies held as spares.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

Incorrect rivet configurations on the rudder shaft assy have been discovered during a post-event investigation.

(2) Cause

The tapered pins of the original design of the rudder shaft assy were replaced with an insufficient quantity of rivets of unknown origin.

(3) Solution

Each rudder shaft assy must be inspected for an approved design of rivet configuration.

D. Description

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

- Examine the rivet configuration for an approved design.
- Contact Pilatus Aircraft Ltd for repair instructions 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.

Aircraft with a rivet configuration of the rudder shaft assy not in accordance with Table 1 (Approved Rivet Configurations) must be repaired before next flight. You must contact Pilatus Aircraft Ltd.

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.

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

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H. Manpower

	Total
Preparation	2.0
Inspection	0.5
Close up	4.0
TOTAL MAN-HOURS	6.5

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): 27-22-01.

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

M. Publications Affected

None.

N. Interchangeability of Parts

Not applicable.

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.

B. Warranty

Not applicable.

C. Material Necessary for Each Aircraft

(1) Material to be Procured

Not applicable.

(2) Operator Supplied Parts

Operators are to supply the expendable parts listed in the referenced procedures (Ref. Para 1.L.) if necessary.

(3) Operator Supplied Materials (Ref. the Consumable Materials List AMM, 20-31-00)

MATERIAL NO.	DESCRIPTION	QTY	REMARKS
P01-008	SOLVENT (WHITE SPIRIT)	A/R	
P02-031	ABSORBENT PAPER	A/R	

NOTE: Operators are to supply the consumable materials listed in the referenced procedures (Ref. Para 1.L.) in addition to the materials listed above.

D. Material Necessary for Each Spare

Not applicable.

E. Reidentified Parts

Not applicable.

F. Tooling - Cost and Availability:

PART NO.	DESCRIPTION	QTY	REMARKS
-	WARNING SIGN	1	DO NOT OPERATE FLIGHT CONTROLS