

SERVICE BULLETIN

SERVICE BULLETIN NO: 27-015

REF NO: 169

MODIFICATION NO: 020346

ATA CHAPTER: 27

FLIGHT CONTROLS - FLAPS REPLACEMENT OF INBOARD AND OUTBOARD FLAP FLEXSHAFTS

1. Planning Information

A. Effectivity

- (1) All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 489 with inboard and/or outboard flap flexshafts 945.02.02.203 and 945.02.02.204 installed.
- (2) All flap flexshafts 945.02.02.203 and 945.02.02.204 held as spare.

B. Concurrent Requirements

None

C. Reason

(1) Problem

It is possible for moisture to go into the inboard and outboard flexshafts through the fittings of the protection hose. This can cause corrosion of the flexshafts.

(2) Solution

Install new flap flexshafts of improved design that give a better protection-hose seal.

D. Description

This Service Bulletin gives the instructions necessary to remove flap flexshafts 945.02.02.203 and 945.02.02.204 and install flap flexshafts 945.02.02.205 and 945.02.02.206.

It also gives instructions to send to PILATUS all flap flexshafts 945.02.02.203 and 945.02.02.204 held as spare.

Flexshafts 945.02.02.205 and 945.02.02.206 supersede flexshafts 945.02.02.203 and 945.02.02.204. Do not install (blue) flexshafts 945.02.02.203 and 945.02.02.204.

Revision A to this Service Bulletin changes the Manpower hours (Para. G).

E. Compliance

Mandatory.

Required at the next 100 Hour/Annual Inspection but not later than six calendar months after the effective date of this Service Bulletin.

F. Approval

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland as an Airworthiness Directive.

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.

G. Manpower

	Total
Replacement of the Left Outboard Flexshaft	1.0
Replacement of the Right Outboard Flexshaft	1.0
Replacement of the Left Inboard Flexshaft	2.0
Replacement of the Right Inboard Flexshaft	2.0
Functional Test of Flap System	2.0
TOTAL MAN-HOURS TO REPLACE ALL FLEXSHAFTS	8.0

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

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 06-20-00, 25-21-01, 25-22-01, 25-21-04, 25-22-04, 27-50-00 and 27-50-02.

L. Publications Affected

AMM, 05-10-10 and 27-50-02.

Illustrated Parts Catalog, 27-50-00.

M. Interchangeability of Parts

Pre and Post SB 27-015 (blue) flexshafts are not interchangeable.

2. Material Information

A. Material - Price and Availability

Operators should send orders for flexshafts, to their Authorized Pilatus Service Center, or to:

PILATUS AIRCRAFT LTD.,
CUSTOMER LIAISON MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel : + 41 41 619 6319
Fax: + 41 41 619 6224
eMail: asommer@pilatus-aircraft.com

Government:
Tel : + 41 41 619 6509
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