

SERVICE BULLETIN

SERVICE BULLETIN NO: 27-007

REF NO: 085

MODIFICATION NO:

ATA CHAPTER: 27

FLIGHT CONTROLS - FLAPS CONTROL OF "LIMITED-SERVICE-LIFE" FLAP SCREW-ACTUATORS

1. Planning Information

A. Effectivity

- (1) All PC-12 and PC-12/45 aircraft.
- (2) All flap screw-actuators held as spares.

B. Concurrent Requirements

Aircraft Maintenance Manual Temporary Revisions 04-03 and 27-10.

C. Reason

(1) Problem

Because of the unavailability of new parts with revised standards, some flap screw-actuators are being assembled with modified gear sets, which have a higher permitted backlash limit and as a result there is a higher in-service limit. These actuators are identified as "Limited-Service-Life" flap screw-actuators.

(2) Cause

The "Limited-Service-Life" flap screw-actuators can wear quicker because of higher tolerances.

(3) Solution

These "Limited-Service-Life" flap screw-actuators must be removed and inspected to the limitations/procedures given in the Aircraft Maintenance Manual (AMM), Chapters 04-00-00 and 27-50-00 together with the Temporary Revisions 04-03 and 27-10.

D. Description

This Service Bulletin gives the Serial Numbers of the "Limited-Service-Life" flap screw-actuators and gives information about their identification, service limitations and the necessary inspection procedures.

The tasks are as follow:

- Identify all the "Limited-Service-Life" flap screw-actuators, their in-service hours and landings (These actuators are painted YELLOW and their Serial Numbers are as listed in Section 3. A.).
- Install a placard (if necessary - as some affected actuators do not have placards).

- Do a check (Ref. AMM Temp Rev 04-03 and Temp Rev 27-10 (or later revisions)).

E. Compliance

Mandatory.

At the next scheduled Flap Screw-Actuator Inspection/Check (Backlash Check) refer to AMM Temp Rev 04-03 and Temp Rev 27-10 (or later revisions).

The "Limited-Service-Life" flap screw-actuators have to be replaced:

- When the backlash limits are more than given in the AMM.
- When they have a time-in-service of 500 hours or 650 landings, whichever comes first.
- By 30 September 1999 (Latest).

All spares have to be identified, in less than two (2) weeks, after the effective date of this Service Bulletin.

NOTE: Replacement flap screw-actuators, for the "Limited-Service-Life" flap screw-actuators, will be earliest available by the end of March 1999.

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.

NOTE: 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
Complete SB 27-007 in full	1.0
TOTAL MAN-HOURS	1.0

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.