

**FOR PLANNING PURPOSES**

# SERVICE BULLETIN

SERVICE BULLETIN NO: 22-004

REF NO: 191

MODIFICATION NO: ECN 04 0426

ATA CHAPTER: 22

## AUTOFLIGHT - AUTOPILOT PITCH ACTUATOR - REPLACEMENT

### 1. Planning Information

#### A. Effectivity

PC-12 and PC-12/45 aircraft MSN 101 thru MSN 620.

#### B. Concurrent Requirements

None

#### C. Reason

Replacement of pitch actuator (985.92.03.161) with pitch actuator (985.92.03.164) removes the following flying limitation: The autopilot must be disengaged before a flap selection of 40° is made (Ref. Pilots Operation Handbook (POH), Section 2 - Limitations TR. No.11 (Report 02211) or TR. No. 40 (Report 01973-001).

#### D. Description

This Service Bulletin gives the data and instructions necessary to replace the pitch actuator and, if necessary, modify the related wiring.

Revision No. 1 is issued to replace the safety clip assembly with a locking sleeve. The locking sleeve has become available and is issued as an alternative to the safety clip. Operators who have accomplished this Service Bulletin in accordance with the initial issue have fulfilled all the requirements of this Service Bulletin.

#### E. Compliance

Mandatory.

Required not later than December 31 2006 unless already accomplished.

#### F. Approval

The technical content of this Service Bulletin is 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
Preparation	1.5
Replacement	1.0
Close up	2.0
<b>TOTAL MAN-HOURS</b>	<b>4.5</b>

**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, 22-10-02, 24-00-00, 25-21-01, 25-21-04, 25-22-01 and 25-22-04.

POH (01973-001) and (02211), Section 2

**L. Publications Affected**

Illustrated Parts Catalog, 22-10-00.

POH (01973-001) and (02211), Section 2

TR. No.11 (Report 02211) or TR. No. 40 (Report 01973-001)

**M. Interchangeability of Parts**

Pre and Post-Service Bulletin 22-004 pitch actuators are not interchangeable.