

# SERVICE BULLETIN

SERVICE BULLETIN NO: 28-008

REF NO: 136

MODIFICATION NO:

ATA CHAPTER: 28

## FUEL - DISTRIBUTION FUEL BOOSTER PUMPS - INSPECTION OF ARMATURE END PLAY

### 1. Planning Information

#### A. Effectivity

All PC-12 and PC-12/45 aircraft with booster pumps P/N: 968.84.11.404 with the following Serial numbers:

- B4516 thru B4650
- B4661 thru B4683
- B4704 thru B4751
- B4768 thru B4854
- B4869 thru B4950
- B4970 thru B5034
- B5057 thru B5116

All booster pumps P/N: 968.84.11.404 held as spare with the above Serial Numbers.

#### B. Concurrent Requirements

None.

#### C. Reason

##### (1) Problem

At low temperatures, it is possible that booster pumps can use more current than usual, which causes the circuit breaker to open and prevents operation of the pump.

##### (2) Cause

The end play in the booster pump armature is not sufficient.

##### (3) Solution

Do the Crane Lear Romec Service Bulletin RR53710K-20-001 (Feb 28/01) to measure and record the value of the end play in the armature. Fuel booster pumps must be rejected if there is not sufficient end play.

#### D. Description

This Service Bulletin gives the instructions to remove the fuel booster pump, measure the armature end play and install the pump.

**E. Compliance**

Mandatory.

This Service Bulletin must be incorporated within the next 100 hours time-in-service (TIS) after the effective date of this Service Bulletin.

**F. Approval**

The technical aspects of this Service Bulletin are approved by the Federal Office for Civil Aviation (FOCA) of Switzerland.

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

**G. Manpower**

	Total
Preparation	1.0
Inspection	0.5
Close up	1.5
<b>TOTAL MAN-HOURS</b>	<b>3.0</b>

**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), 28-20-04.

Crane Lear Romec Service Bulletin RR53710K-20-001 (Dated Feb 28/01).

**L. Publications Affected**

Not affected.

**M. Interchangeability of Parts**

Do not install Pre-SB 28-002 fuel booster pumps after SB 28-002 has been incorporated.

**2. Material Information**

**A. Industry Support Information**

Send Warranty claims, which must include Attachment 1 to Crane Lear Romec Service Bulletin RR53710K-20-001 (Feb 28/01) and the defective pump (if applicable), to Crane Lear Romec.

Operators must include a list and price of the replacement seals and gaskets with their Warranty claim.

Crane Lear Romec must receive the Warranty claims by August 30, 2002.

**B. Additional Material to be Procured**

Operators should send orders for replacement pumps to:

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

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

Government:  
Tel : + 41 41 619 6509  
Fax. + 41 41 619 6224  
eMail: rpaterson@pilatus-aircraft.com

or

PILATUS BUSINESS AIRCRAFT LTD.,  
PRODUCT SUPPORT DEPARTMENT  
11755 AIRPORT WAY  
BROOMFIELD, CO 80021.  
UNITED STATES OF AMERICA

Tel : 303 465 9099  
Fax: 303 465 6040  
eMail: Productsupport@PilBal.com

or

PILATUS AUSTRALIA (Pty.) LTD.,  
HANGER 3  
DROVER PLACE  
CANBERRA AIRPORT ACT 2609,  
AUSTRALIA

Tel : + 61 2 62 62 6202  
Fax: + 61 2 62 62 6212  
eMail: info@pilatus.com.au