

SERVICE BULLETIN

SERVICE BULLETIN NO: 28-010

REF NO: 158

MODIFICATION NO: 010192

ATA CHAPTER: 28

**ENGINE - DISTRIBUTION
ENGINE DRIVEN PUMP - REPLACEMENT RELIEF-VALVE-BODY HOUSING AND SEALS**

1. Planning Information

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 406 and MSN 408 thru MSN 419 with Engine Driven Pump (EDP) Vendor Part Number RG9570R1, PILATUS Part Number 968.84.51.106 installed.

All EDP Vendor Part Number RG9570R1, PILATUS Part Number 968.84.51.106 held as spare.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Fuel leakage through the Engine Driven Pump (EDP) relief valve.

(2) Cause

Fuel leakage is possible past the gasket of the EDP relief valve because the gasket can be pushed out between the relief valve housing and the EDP housing.

(3) Solution

This Service Bulletin changes the valve housing assembly of the EDP (Crane Lear Romec SB RG9570-73-002). The new design of valve housing and seals gives better protection against fuel leakage.

D. Description

This Service Bulletin gives the data and instructions to remove the EDP, do Lear Romec SB9570-73-002 and install the fuel pump.

Post Vendor SB RG9570-73-002 the EDP becomes PILATUS P/N: 968.84.51.108 and Vendor P/N: 9570R1/M.

E. Compliance

Mandatory

At the next Annual Servicing after the effective date of this Service Bulletin.

PILATUS
PCI2
SERVICE BULLETIN

F. Approval

The technical aspects of this Service Bulletin are 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 can affect the embodiment of this Service Bulletin.

G. Manpower

	Total
Preparation	1.0
Incorporation of Vendor SB	3.0
Close up	1.5
TOTAL MAN-HOURS	5.5

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), 05-22-10 and 28-20-03.

Vendor SB RG9570-73-002.

L. Publications Affected

Illustrated Parts Catalog, 73-10-0, Fig. 01.

M. Interchangeability of Parts

Pre-Service Bulletin 28-010 EDP and post-Service Bulletin 28-010 EDP are not interchangeable.

PILATUS
PC12
SERVICE BULLETIN

2. Material Information

A. Material - Price and Availability

Operators should send orders for Service Bulletin modification kits, 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: pilga@pilatus-aircraft.com

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

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

PILATUS AUSTRALIA (Pty.) LTD.,
PO BOX 732
MARLESTON SA 5033
AUSTRALIA

Tel : (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
eMail: info@pilatus.com.au

Modification Kit Number	Price	Availability
968.84.51.138	Contact address above	Contact address above

Credit will be issued for all affected aircraft, on approval of a warranty claim, provided the work is done by an authorised Service Center within 12 months of the effective date of this Service Bulletin.

B. Material Necessary for Each Aircraft

(1) Material to be Procured

New Part No.	Description	Old Part No.	Qty	Disp. Code	Fig	Item
968.84.51.138	Kit, Modification LR22400	N/A	N/A	N/A	N/A	N/A

Disposition Codes: D - Discard / R - Return to Pilatus


SERVICE BULLETIN

3. Accomplishment Instructions - Aircraft

A. Preparation

- (1) Remove the EDP (Ref. AMM, 28-20-03, Page Block 401).

B. Modification of the EDP

Crane Lear Romec SB RG9570-73-002 must be done at an approved repair station. The repair station must be certified by the Regulatory Agency to do fuel accessory repairs and modifications.

- (1) Do Crane Lear Romec SB RG9570-73-002 on the removed EDP.

C. Close up

- (1) Install the EDP (post Vendor SB RG9570-73-002) (Ref. AMM, 28-20-03, Page Block 401).
- (2) Remove all tools and materials. Make sure the work areas are clean.

D. Documentation

- (1) Make an entry in the Aircraft Logbook that this Service Bulletin has been incorporated.

4. Accomplishment Instructions - Spares

A. Modification of the EDP

Crane Lear Romec SB RG9570-73-002 must be done at an approved repair station. The repair station must be certified by the Regulatory Agency to do fuel accessory repair and modification.

- (1) Do Crane Lear Romec SB RG9570-73-002.

B. Documentation

- (1) Make an entry in the spare parts inventory list that this modification has been carried out.