

SERVICE BULLETIN

SERVICE BULLETIN NO: 28-005

REF NO: 24

MODIFICATION NO: 010301

ATA CHAPTER: 28

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

1. Planning Information

A. Effectivity

All PC-7 Mk II aircraft from MSN 010, MSN 101 thru MSN 160, MSN 601 thru MSN 604 and MSN 608 thru MSN 616 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 (Lear Romec Service Bulletin RG9570-73-002). The new design of valve housing and seals gives better protection against fuel leakage.

D. Description

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

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

Revision 1 to this Service Bulletin changes the Interchangeability of Parts. It also adds new packings to the Additional Material to be Procured.

E. Compliance

Mandatory

PILATUS
PC-7 MK II
SERVICE BULLETIN

At the next Annual Servicing 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 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), 05-10-20 and 28-20-10.

Lear Romec Service Bulletin RG9570-73-002.

L. Publications Affected

Illustrated Parts Catalog, 28-20-05, Fig. 01.

M. Interchangeability of Parts

Pre-Service Bulletin 28-005 EDP and post-Service Bulletin 28-005 EDP are not interchangeable.

PILATUS PC-7 MK II SERVICE BULLETIN

2. Material Information

A. Material - Price and Availability

Operators should send orders for Service Bulletin modification kits, to:

PILATUS AIRCRAFT LTD,
CUSTOMER LIAISON MANAGER,
CH 6371 STANS, Tel:+41 41 619 65 09
SWITZERLAND, Fax:+41 41 619 61 70

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

Operators can send the EDPs for modification to:

PILATUS AIRCRAFT LTD,
COMPONENT REPAIRS,
(TRAINER AIRCRAFT) MANAGER,
CH 6371 STANS, Tel:+41 (41) 619 69 04
SWITZERLAND, Fax: +41 (41) 619 62 94

B. Material Necessary for Each Aircraft

(1) Material to be Procured

EDP Modification Kit No. 968.84.51.138 consists of these parts:

| New Part No. | Description | Old Part No. | Qty | Disp. Code | Fig | Item |
|---------------|---------------------------|--------------|-----|------------|-----|------|
| 968.84.51.138 | Kit, Modification LR22400 | N/A | 1 | N/A | N/A | N/A |

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

(2) Additional Material to be Procured

| New Part No. | Description | Old Part No. | Qty | Disp. Code | Fig | Item |
|---------------|--------------------|---------------|-----|------------|-----|------|
| 946.91.27.212 | Packing, Preformed | 946.91.27.212 | 3 | D | N/A | N/A |
| 968.20.11.687 | Gasket | 968.20.11.687 | 1 | D | N/A | N/A |
| 946.91.27.713 | Packing, Preformed | 946.91.27.713 | 1 | D | N/A | N/A |
| 946.91.27.204 | Packing, Preformed | 946.91.27.204 | 1 | D | N/A | N/A |

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

PILATUS
PC-7 MK II
SERVICE BULLETIN

3. Accomplishment Instructions - Aircraft

A. Preparation

- (1) Remove the EDP (Ref. AMM, 28-20-10, Page Block 401).

B. Modification of the EDP

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

- (1) Do 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, 28-20-10, 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

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

- (1) Do 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.