

SERVICE BULLETIN

SERVICE BULLETIN NO: 71-005

REF NO: 131

MODIFICATION NO: 00 00196

ATA CHAPTER: 71

POWERPLANT TORQUE OIL PRESSURE PIPE AND HOSE ASSEMBLIES - REPLACEMENT

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 400.

B. Concurrent Requirements

None

C. Reason

(1) Problem

Abrasive damage (chafing) has occurred on the surfaces of the following components in the area of the oil pressure transducer on the engines of some PC-12 aircraft:

- Pipe (577.11.12.104)
- Pipe (577.11.12.105)
- Pipe (P&WC P/N 3119969)
- Hose (946.37.74.307)

The above damage has caused engine oil leakage in some aircraft.

(2) Cause

The damage has occurred because the pipes and the hose have touched during engine operation. Incorrect assembly (after removal for inspection) has decreased the clearance distances between the components.

(3) Solution

Replace two pipes and four hose assemblies in the area of the oil pressure transducer. The clearance distances between the new pipe assemblies, hose assemblies and adjacent engine components will be sufficient to prevent chafing.

D. Description

This Service Bulletin gives the necessary data and instructions to replace the following pipe and hose assemblies:

- Pipe assembly 577.11.12.105 - replaced with pipe assembly 577.11.12.107 and two 90° pipe unions
- Pipe assembly 577.11.12.104 - replaced with pipe assembly 577.11.12.106
- Hose assembly 946.37.74.305 - replaced with hose assembly 946.37.74.309
- Hose assembly 946.37.74.306 - replaced with hose assembly 946.37.74.310
- Hose assembly 946.37.74.307 - replaced with hose assembly 946.37.74.313
- Hose assembly 946.37.74.308 - replaced with hose assembly 946.37.74.312

Revision 1. to This Service Bulletin deletes hose assembly (946.37.74.311) and inserts hose assembly (946.37.74.313). It is not necessary to replace the hoses in aircraft which have the initial Service Bulletin (71-005) incorporated.

E. Compliance

Recommended.

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 may affect the embodiment of this Service Bulletin.

G. Manpower

	Total
Preparation	0.25
Replacement of the pipes and hoses	1.0
Close up	0.5
TOTAL MAN-HOURS	1.75

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

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J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 06-20-00, 71-00-00 and 71-00-02.

L. Publications Affected

Illustrated Parts Catalog, 77-10-00.

M. Interchangeability of Parts

Pre and post Service Bulletin 71-005 pipe assemblies are not interchangeable.

On engines in which this Service Bulletin is not incorporated:

- Post Service Bulletin 71-005 hose assemblies can be used to replace Pre-Service Bulletin 71-005 hose assemblies.
- Pre-Service Bulletin 71-005 hose assemblies must not be used to replace Post Service Bulletin 71-005 hose assemblies.

1. 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.

or PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT,
11755 AIRPORT WAY,
BROOMFIELD, CO 80021.
USA

Tel : + 41 41 619 6319 (General aviation)
Tel : + 41 41 619 6509 (Government)
Fax: + 41 41 619 6224

Tel : 303 465 9099
Fax: 303 465 6040

NOTE: Operators are requested to advise Pilatus Aircraft Ltd, using the Service Bulletin Evaluation Sheet, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are allocated for this Service Bulletin.