

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 79-004

REF NO: 145

MODIFICATION NO:

ATA CHAPTER: 79

ENGINE OIL SYSTEM OIL PRESSURE TRANSDUCER - REPLACEMENT

1. Planning Information

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 449.

Revision 1. to this Service Bulletin changes the Compliance to Mandatory, includes deposit and Warranty statements and includes minor text and format changes.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Intermittent indications of low engine oil pressure have occurred in PC-12 and PC-12/45 aircraft.

(2) Cause

Engine vibrations have caused movement and wear of the pins in the electrical connector of the oil pressure transducer (transducer). Moisture has also been found in some electrical connectors. Because of this the transmission of signals from the transducer becomes intermittent. The EIS gives an unwanted indication of low engine oil pressure each time the transmission stops.

(3) Solution

Replace the transducer and connector assembly. The new components give better protection from vibration and moisture contamination. Also, it is not necessary to clean post Service Bulletin 79-004 transducer electrical connectors at the specified frequencies (500 flying hours or 12 months) (Ref: Temporary Revision 05-27).

D. Description

This Service Bulletin gives the data and instructions necessary to replace the transducer and electrical connector assembly.

E. Compliance

Mandatory.

Within the next 12 calendar months 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	0.5
Changes	3.0
Close up	0.5
TOTAL MAN-HOURS	4.0

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 and 79-30-02.

L. Publications Affected

AMM, 05-10-20.

Illustrated Parts Catalog, 79-30-00.

M. Interchangeability of Parts

Pre and Post SB 79-004 transducers and electrical connector assemblies are not interchangeable as single units.

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,
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Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are affected by this Service Bulletin.