

Service Bulletin No: 79-006

Ref No: 231

Modification No: EC-08-0689, EC-10-0041

ATA Chapter: 79

**OIL - OIL DEBRIS MONITORING (ODM) SYSTEM
DISABLING OR REMOVAL OF THE ODM SYSTEM****1. Planning Information****A. Effectivity**

PC-12/45 and PC-12/47 aircraft MSN 411, MSNs 534 thru 544 and MSNs 546 thru 888.

A similar Service Bulletin (SB 79-007) is available for PC-12/47E.

B. Concurrent Requirements

Before you disable or remove the ODM system, in accordance with this Service Bulletin, it is recommended that you:

- (1) Incorporate Service Bulletin 79-005 (Introduction of Chip Detector in Engine Accessory Gearbox).
- (2) Introduce Starter/Generators with isolated drive shaft (Ref. Service Letter 123).

C. Reason

- (1) Problem:

Operators have reported (ODM) CHIP light indications. None of these indications could be traced to abnormal high number of particles in the engine oil system. Several Operators replaced the ODM sensor modules because of these fault indications.

Pilatus have therefore decided to no longer support the ODM system and also to not install it on new production aircraft.

- (2) Solution:

Disable or remove the ODM system.

D. Description

This Service Bulletin gives the data and instructions necessary to either disable or remove the ODM system as it will no longer be supported by Pilatus.

Revision No. 1 is issued to optimize the Service Bulletin after a trial was carried out and to update the effectivity.

Revision No. 2 is issued to add the EC-10-0041 and the missing electrical modification data and instructions for the aircraft that were added at Revision 1.

Revision No. 3 is issued to correct the Close Up test and add copyright and legal statements. Aircraft which have already had this Service Bulletin embodied at an earlier revision do not require further rework.

E. Compliance

- (1) Disabling of the ODM system (Ref. Para. 3.) - Recommended.
- (2) Removal of the ODM system (Ref. Para. 4.) - Optional.

F. Approval

The technical content of this document is approved under the authority of DOA No. EASA. 21J. 357.

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. Copyright and Legal Statement

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H. Manpower

	Man-hours (Disable System)	Man-hours (Remove System)
Modification - Mechanical	-	6.0
Modification - Electrical	2.0	8.0
TOTAL MAN-HOURS	2.0	14.0

I. Weight and Balance

NOTE: Only applicable if you remove the ODM system.

(1) Weight Change

-3.044 kg (-6.7 lb).

(2) Moment Change

-8.08 kgm (58.44 lb ft).

J. Electrical Load Data

Not changed

K. Software

Not affected.

L. References

Aircraft Maintenance Manual (AMM): 12-A-06-20-00-00A-040A-A, 12-A-20-31-00-00A-070A-A, 12-A-24-00-00-00A-901A-A, 12-A-25-10-01-00A-920A-A, 12-A-25-10-03-00A-920A-A, 12-A-71-00-00-00A-901A-A, 12-A-71-10-00-00A-920A-A, 12-A-77-40-00-00A-903C-A, 12-A-77-40-04-00A-920A-A, 12-A-79-00-00-00A-902A-A

M. Publications Affected

Illustrated Parts Catalog (IPC), Chapter 79-30-00.

N. Interchangeability of Parts

Not applicable.

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 SUPPORT MANAGER
CH-6371 STANS
SWITZERLAND

General Aviation:
Tel: + 41 41 619 6208
Fax: + 41 41 619 7311
eMail: SupportPC12@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: SupportPC12@PilBal.com

PILATUS AUSTRALIA (PTY.) LTD
17 JAMES SCHOFIELD DRIVE
ADELAIDE AIRPORT SA 5950
AUSTRALIA

Tel: (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
eMail: supportpc12@pilatus.com.au

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.

B. Warranty

Credit for parts and labor only applies to the recommended part of this SB (disabling the ODM-System) and will be issued for all affected aircraft on approval of a warranty claim, provided the work is accomplished by an authorized Service Center within 12 months from the issue date of this Service Bulletin.

NOTE: Operators who decide not to accomplish the recommended part of this Service Bulletin within the specified time period, will no longer receive warranty consideration for future failures of ODM components.