

Service Bulletin No: 21-015

Ref No: 386

Modification No: EC-17-0016

ATA Chapter: 21

**AIR CONDITIONING - COMPRESSOR CONDENSER MODULE -
INSPECT THE COMPRESSOR CONDENSER MODULE FAN BLADE****1. Planning Information****A. Effectivity**

PC-12, PC-12/45, PC-12/47 and PC-12/47E Series aircraft with Compressor Condenser Module (CCM), Enviro P/N 134400-59 installed.

Refer to Enviro Systems Inc. SB 18-101 (latest revision) for the serial numbers of the CCM affected.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

An operating condition may exist where the condenser fan becomes detached from the shaft mounting hub and completely fails. The condenser fan no longer provides airflow through the condenser which results in a loss of cooling performance and cycling of the compressor drive motor. This can cause damage to the compressor drive motor.

If the failure does occur, the fan blade is contained by the condenser shroud and this does not result in an unsafe condition.

(2) Solution

Inspect the condition of the fan blade. If the blade is detached or there is a potential premature failure, replace the fan.

D. Description

This service bulletin gives the data and instructions necessary to use the Enviro Service Bulletin 18-101.

Revision No. 1 introduces the latest revision of Enviro Systems Inc. SB 18-101, which has added more serial numbers for the affected CCM.

Customers who have previously done this Service Bulletin at initial issue and found their CCM was affected, need not take further action.

Customers who have previously done this Service Bulletin at initial issue but found it did not affect their CCM, must do the SB again for the added serial numbers.

E. Compliance

Recommended.

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 designated Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this service bulletin.

G. Copyright and Legal Statement

© Pilatus Aircraft Ltd. This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be copied, reproduced or translated to other languages without the prior written consent of Pilatus Aircraft Ltd.

In connection with the use of this document, Pilatus does not provide any express or implied warranties and expressly disclaims any warranty of merchantability or fitness for a particular purpose. This document contains trade secrets, confidential and/or proprietary information of Pilatus and technical data subject to export control laws and regulations, including the U.S. Export Administration Regulations (EAR). Disclosure or distribution of this document contrary to the EAR, and other laws and regulations, is strictly forbidden. The above restrictions may apply to data on all pages of this document.

H. Manpower

Task	Man-hours Inspection Only	Man-hours Inspection and Replacement
Get access to the CCM	0.05	0.05
Inspection only and/or replace the fan blade	0.10	4.00
Test and Close Up	0.15	0.15
TOTAL MAN-HOURS	0.30	4.20

I. Weight and Balance

Not affected.

J. Electrical Load Data

Not changed.

K. Software

None.

L. References

NOTE: For PC-12, PC-12/45 and PC-12/47 aircraft, prefix the reference with 12-A-.
For PC-12/47E aircraft, prefix the reference with 12-B-.

Aircraft Maintenance Manual (AMM)

20-31-00-00A-070A-A

24-00-00-00A-901A-A

Enviro Service Bulletin 18-101 (at the latest revision).

M. Publications Affected

None.

N. Interchangeability of Parts

None.

2. Material Information

A. Material - Price and Availability

Operators that require additional information and/or Service Bulletin Material should contact their authorized Pilatus Service Center, or Pilatus Customer Support on www.pilatus-aircraft.com → contact us

NOTE: Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered with the kit are correct when the kit is dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the kit if parts are superseded. Operators are requested to check the IPD for delivered parts which differ from those listed in the Service Bulletin Materials Kit List (if applicable).

NOTE: 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

After the Serial Number of the affected CCM is received (refer to paragraph 2.1 of Enviro SB 18-101), Pilatus will supply the Modification Kit free of charge. Credit for labor will be issued as required (refer to paragraph 1.H. of this SB) on approval of a warranty claim, provided the work is accomplished by an authorized Pilatus Service Center within 18 months from the issue date of this Service Bulletin.

NOTE: Operators who decide not to accomplish this service bulletin within the specified time period will no longer receive warranty consideration for any future failure of the affected CCMs.