

Service Bulletin No: 31-018

Ref No: 309

Modification No: EC-12-0164

ATA Chapter: 31

**CENTRAL MAINTENANCE SYSTEM - CENTRAL COMPUTER - INSTALLATION OF NEW MODULAR AVIONICS UNIT GIO AND CSIO MODULES IN CONJUNCTION WITH SB 46-004****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545, 1001 thru 1400.

Aircraft MSN 1401 and higher will have this modification embodied at production.

**B. Concurrent Requirements**

SB 46-004 - Install a Wireless Data Loading/Downloading System.

**C. Reason**

Existing Dual Generic I/O (GIO) and Dual Custom I/O (CSIO) modules in the MAU are superseded.

**NOTE:** Honeywell SPEX still supports the existing GIO and CSIO modules.

**D. Description**

This Service Bulletin gives the data and instructions necessary to replace the GIO and CSIO modules in the MAU in conjunction with the installation of the Aspen wireless data loading/downloading system (SB 46-004).

**E. Compliance**

Optional.

**F. Approval**

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

PILATUS advises Operators/Owners to check with their designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

**G. Copyright**

© 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.

**H. Manpower**

Task	Man-hours (in conjunction with SB 46-004)
Preparation	0.0
Modification	0.25
Close up	0.5
<b>TOTAL MAN-HOURS</b>	<b>0.75</b>

**I. Weight and Balance**

None.

**J. Electrical Load Data**

No change.

**K. Software**

No change.

**L. References**

Aircraft Maintenance Manual (AMM):

12-B-31-42-00-00A-920A-A

**M. Publications Affected**

AMM, IPC.

**N. Interchangeability of Parts**

Not interchangeable.

**2. Material Information**

**A. Material - Price and Availability**

Pilatus advise that the standard lead times for the exchange of the GIO and CSIO modules may be up to four months.

Operators should send orders for retrofit kits to their Authorized Pilatus Service Center.

If you want more information about this Service Bulletin, please contact your local Service Center, or:

PILATUS AIRCRAFT LTD.,  
CUSTOMER SUPPORT MANAGER,  
CH-6371 STANS,  
SWITZERLAND

General Aviation:  
Tel: + 41 41 619 3333  
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: Productsupport@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

**B. Material Necessary for Each Aircraft**

**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 Retrofit Kit are correct when the kit is dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the retrofit kit if parts are superseded. Operators are requested to check the IPC for delivered parts which differ from those listed in the retrofit kit.

**C. Material to be ordered**

GIO and CSIO modules are part of the retrofit kit of SB 46-004.

New Part No.	Description	Old Part No.	Qty	Disp. Code	Fig	Item
985.99.12.252	GIO MODULE	985.99.12.146	1	R	-	-
985.99.12.251	CSIO MODULE	985.99.12.151	1	R	-	-

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

**NOTE:** A core charge of 15,000.00 USD per module will be invoiced by Pilatus if the removed GIO/CSIO modules are not returned to Pilatus within 60 days.

**D. Tooling - Cost and Availability**

None.