

Service Bulletin No: 34-024

Ref No: 243

Modification No: EC-15-0492

ATA Chapter: 34

**NAVIGATION - WEATHER RADAR -  
INSTALLATION OF XM SATELLITE WEATHER SYSTEM****1. Planning Information****A. Effectivity**

PC-12/47E aircraft without XM Satellite Weather System.

**B. Concurrent Requirements**

Service Bulletin 45-004 - Load new Honeywell Primus APEX Option file for various Factory Options.

It is recommended to upgrade to the Honeywell Primus APEX Operational Software Build 10 or higher (Service Bulletin 45-013) to rectify the intermittent loss of XM METAR display data.

**C. Reason****(1) Problem**

XM Satellite Weather System is not installed.

**(2) Solution**

Install XM Satellite Weather System. This modification requires that the Honeywell Primus APEX Option file is loaded with the option for the XM Satellite Weather enabled (Pilatus Service Bulletin 45-004).

**D. Description**

This Service Bulletin gives the data and instructions necessary to install the XM Satellite Weather System.

Revision 1 of this Service Bulletin replaces the obsolete XM RECEIVER unit (P/N 985.99.12.168) with the modified XM RECEIVER unit (P/N 985.99.12.303).

**E. Compliance**

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 designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

**G. Copyright and Legal Statements**

© 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	
	Executive Interior	Standard Interior
Preparation	12	8
Install the Antenna	12	12
Install the Receiver	3	3
Install the Electrical Wiring	12	12
Software load/Test	3	3
Close-Up	15	10
<b>TOTAL MAN-HOURS</b>	<b>57</b>	<b>48</b>

**I. Weight and Balance**

**(1) Weight Change**

+ 1.7 kg

**(2) Moment Change**

11208,04 kg/mm

(Arm 6544 mm)

**J. Electrical load Data**

STBY BUS:

Continuous current 0.8A

Short term current 0A

Transient current 0A

**K. Software**

Not affected.

**L. References**

Aircraft Maintenance Manual (AMM)

12-B-06-20-00-00A-040A-A	12-B-24-30-07-00A-920C-A	12-B-25-22-01-00A-920A-A
12-B-20-31-00-00A-070A-A	12-B-25-10-03-00A-920A-A	12-B-25-22-03-00A-920A-A
12-B-24-00-00-00A-901A-A	12-B-25-21-01-00A-920A-A	12-B-25-22-04-00A-920A-A
12-B-24-30-07-00A-920A-A	12-B-25-21-03-00A-920A-A	12-B-34-41-10-00A-903A-A
12-B-24-30-07-00A-920B-A	12-B-25-21-04-00A-920A-A	

**M. Publications Affected**

Illustrated Parts Catalog.

**N. Interchangeability of Parts**

None.

**2. Material Information****A. Material - Price and Availability**

Pilatus advise that the standard lead times for the material needed in this Service Bulletin may be up to 2 months.

Operators that upgrade the existing XM RECEIVER unit (P/N 985.99.12.168) must return it to Heads Up Technologies. The manufacturer will advise on the lead time for delivery of the modified XM RECEIVER unit (P/N 985.99.12.303).

Use the Order Form in Service Bulletin 45-004 (Load the Honeywell Primus APEX Option file for various factory Options) to send orders for Service Bulletin Modification Kits, to your Authorized Pilatus Service Center, or to:

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: +1 303 465 9099  
Fax: +1 303 465 6040  
eMail: SupportPC12@PilBal.com

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

Tel: +61 8 8238 1600  
Fax: +61 8 8234 4499  
Free call: +61 1800 PILATUS (745 2887)  
eMail: SupportPC12@pilatus.com.au