

Service Bulletin No: 34-044

Ref No: 367

Modification No: EC-16-0515, EC-17-0666, EC-18-0483

ATA Chapter: 34

**NAVIGATION - WEATHER RADAR SYSTEM
REMOVE THE RDR2000 WEATHER RADAR AND INSTALL A RDR2060 WEATHER RADAR****1. Planning Information****A. Effectivity**

PC-12/47E with RDR2000 weather radar installed.

B. Concurrent Requirements

Honeywell Primus APEX Operational Software to Build 11 or higher (MSN 545, 1001 to 1751, SB 45-015).

AND

Service Bulletin 45-004 - Load Honeywell Primus APEX Option File for various factory options - the option weather radar RDR2060 must be enabled.

AND

Installation of AGM-200 Module, P/N 985.99.12.291 (7036410-1902 HW/MOD E) or 985.99.12.292 (7036410-1904 HW/MOD E) in conjunction with the AMM and IPD.

C. Reason**(1) Problem**

Customer request to install the RDR2060 weather radar system.

(2) Cause

Customer request.

(3) Solution

Remove the existing RDR2000 weather radar transceiver and install the RDR2060 weather radar transceiver.

For MSN 1720,1741 and Up - connect installed wiring to the RDR2060 connector (Part A).
For MSN 545, 1001 thru 1719 and 1721 thru 1740 - add wiring for the required altitude input to the new transceiver (Part B).**D. Description**

This Service Bulletin gives the data and instructions necessary to remove the existing RDR2000 weather radar transceiver and install a RDR2060 weather radar transceiver.

The RDR2060 weather radar has extra functions such as extended weather detection, greater range, auto range limiting, auto step scan and auto tilt available.

Revision 1 to this Service Bulletin updates part numbers in the material kit and the procedure. No rework is required for operators who have already embodied this Service Bulletin.

Revision 2 to this Service Bulletin updates man-hours and adds more access panels to Part B. No rework is required for operators who have already successfully embodied this Service Bulletin.

Revision 3 to this Service Bulletin updates the part number of the RDR2060 weather radar transceiver in the Material Necessary section. No rework is required for operators who have already embodied this Service Bulletin.

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 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 Part A		Man-hours Part B	
	During Annual Inspection	SB Only	During Annual Inspection	SB Only
Preparation	1.75	2.25	1.75	8.25
Modification	0.25	0.25	9.50	9.50
Close up	1.75	2.25	1.75	8.25
TOTAL MAN-HOURS	3.75	4.75	25.00	38.00

NOTE: The man-hours above do not include drying/curing time for paints or sealants.

I. Weight and Balance**(1) Weight Change**

+0,078 kg (+0.172 lb).

(2) Moment Change

0,417 mkg (36.194 in lbs).

J. Electrical Load Data

No change.

K. Software

Honeywell Primus APEX Operational Software Build 11 or higher and the option file with RDR2060 enabled must be loaded.

L. References

Aircraft Maintenance Manual (AMM)

12-B-20-31-00-00A-070A-A	12-B-24-00-00-00A-901A-A	12-B-25-10-01-00A-920A-A
12-B-25-10-03-00A-920A-A	12-B-25-10-05-00A-920A-A	12-B-25-21-01-00A-920A-A
12-B-25-21-04-00A-920A-A	12-B-25-21-05-00A-920A-A	12-B-25-21-07-00A-920A-A
12-B-25-22-01-00A-920A-A	12-B-25-22-04-00A-920A-A	12-B-34-41-00-00A-903A-A
12-B-34-41-02-00A-920A-A	12-B-34-41-04-00A-903A-A	12-B-34-41-04-00A-920A-A

M. Publications Affected

AFM, AMM, IPD, WDM.

N. Interchangeability of Parts

Not applicable.

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.

B. Warranty

Not applicable.