

Service Bulletin No: 23-010

Ref No: 359

Modification No: EC-15-0515, EC-16-0199, EC-17-0146

ATA Chapter: 23

COMMUNICATIONS - AEROWAVE 100 SATCOM SYSTEM - INSTALLATION**1. Planning Information****A. Effectivity**

PC-12/47E Series aircraft MSN 1001 and up.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

Customer requirement for an Aerowave 100 Satcom system.

(2) Cause

Customer requirement.

(3) Solution

Install an Aerowave 100 Satcom system.

D. Description

This Service Bulletin gives the data and instructions to install the Aerowave 100 Satcom system.

Revision 1 to this Service Bulletin introduces an alternative wi-fi router (P/N 975.96.32.465). This router gives the added function of Session Initiation Protocol (SIP) Voice Over Internet Protocol (VOIP). Customers can use this function to make voice calls with a Personal Electronic Device (PED). Aircraft which have embodied this Service Bulletin at initial issue must install the alternative wi-fi router if they require the VOIP function.

Revision 1 also introduces an updated High Speed Data Unit (HDU) (P/N 985.99.11.540) to improve and maintain connection to the Inmarsat satellite network. Aircraft which have embodied this Service Bulletin at Initial Issue are advised to upgrade to the updated HDU. Customers that select to upgrade the HDU (P/N 985.99.11.528) must return the unit to Honeywell International Inc., refer to Bendix King Service Information Letter (SIL), publication number D201702000036 (latest revision). Pilatus Service Letter 193 is issued to inform Aerowave 100 Satcom system operators of the Bendix King SIL.

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.

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H. Manpower

Task	Man-hours
Preparation	18.0
Mechanical Modification	50.0
Electrical Modification	30.0
Close up & Test	24.0
TOTAL MAN-HOURS	122.0

NOTE: The man-hours given above do not include drying/cure time for adhesives, sealants or paints.

I. Weight and Balance

Weight change: +7,1 kg (+15.6 lb)

Moment change: +58,5 kg m (+5078 lb in)

J. Electrical Load Change Data

NON ESSENTIAL BUS: +3.3 A

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM):

12-B-20-31-00-00A-070A-A 12-B-20-50-00-00A-901A-A 12-B-23-16-00-00A-903A-A
12-B-23-16-02-00A-920A-A 12-B-23-16-03-00A-920A-A 12-B-23-16-04-00A-920A-A
12-B-24-00-00-00A-901A-A 12-B-25-21-01-00-920A-A 12-B-25-21-03-00A-920A-A
12-B-25-21-04-00A-920A-A 12-B-25-22-01-00-920A-A 12-B-25-22-03-00A-920A-A
12-B-25-22-04-00A-920A-A.

Bendix King Service Information Letter, publication number D201702000036 (latest revision).

M. Publications Affected

Aircraft Maintenance Manual.

Illustrated Parts Catalogue.

N. Interchangeability of Parts

Not applicable.