

Service Bulletin No: 34-034

Ref No: 293

Modification No: EC-11-0555 and EC-15-0206

ATA Chapter: 34

**NAVIGATION - ATTITUDE AND DIRECTION
REPLACE OBSOLETE DUAL LCR-92/93 ATTITUDE AND HEADING REFERENCE SYSTEM****1. Planning Information****A. Effectivity**

PC-12, PC-12/45 and PC-12/47 Series aircraft with dual LCR-92/93 Attitude and Heading Reference System (AHRS) installed.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The LCR-92/93 AHRS unit is no longer available.

(2) Cause

Obsolescence.

(3) Solution

Replace the LCR-92/93 AHRS with the LCR-100 AHRS.

D. Description

This Service Bulletin gives the data and instructions necessary to replace the obsolete LCR-92/93 AHRS with the LCR-100 AHRS and to modify the aircraft wiring for the new units. Both LCR-92/93 AHRS units must be replaced with new LCR-100 AHRS units.

Revision 1 of this Service Bulletin replaces the obsolete LCR-100 AHRS unit (Pilatus P/N 985.99.11.917, Northrop Grumman P/N 145130-7000) with the modified LCR-100 AHRS unit (Pilatus P/N 985.99.11.918, Northrop Grumman P/N 145130-7010), in accordance with Airworthiness Directive 2015-0093. Operators who have accomplished this Service Bulletin at original issue should also accomplish Revision 1 of 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.

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H. Manpower

Task	Man-hours
Preparation	1.0
Modification	2.5
Close up/Test	4.5
TOTAL MAN-HOURS	8.0

I. Weight and Balance

(1) Weight Change

None

(2) Moment Change

None

J. Electrical load Data

None.

K. Software

None.

L. References

Aircraft Maintenance Manual (AMM):

12-A-06-20-00-00A-040A-A 12-A-20-31-00-00A-070A-A 12-A-24-00-00-00A-901A-A
 12-A-25-10-01-00A-920A-A 12-A-25-10-03-00A-920A-A 12-A-25-21-07-00A-920A-A
 12-A-34-25-01-00A-920A-A

M. Publications Affected

WDM, IPC.

N. Interchangeability of Parts

LCR-92/93 AHRS are not useable on post Service Bulletin 34-034 aircraft.

LCR-100 AHRS are not useable on pre Service Bulletin 34-034 aircraft.

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

Pilatus advise that the standard lead times for parts may be up to 6 months.

If you want more information about this modification, contact your approved Service Center or:

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

(1) Material to be ordered