

Service Bulletin No: 34-042

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Modification No: EC-14-0087

ATA Chapter: 34

**NAVIGATION - ELECTRONIC STANDBY INSTRUMENT SYSTEM
INTRODUCTION OF L3 ELECTRONIC STANDBY INSTRUMENT SYSTEM (ESIS) IN LIEU OF THALES
ESIS****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 1001 thru MSN 1270 with a Thales ESIS installed.

B. Concurrent Requirements

Mandatory Service Bulletin 34-038 Modification to the Electronic Standby Instrument System (ESIS) Power Return Wires must already be accomplished.

C. Reason

Retrofit of the L3 ESI -1000 ESIS with heading indication.

D. Description

This Service Bulletin gives the data and instructions necessary to replace the Thales ESIS with a L3 ESIS.

Revision 1 to this Service Bulletin corrects access panels, adds equipment removals and rearranges some work steps for ease of embodiment. Aircraft that have already been modified do not require further work.

Revision 2 to this Service Bulletin rearranges some work steps for ease of embodiment, corrects a wire identification, adds a work step for the MMDR tray, adds filler pins for empty connector contacts and an identification label for the ATC transponder. Aircraft that have already been modified do not require further work.

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	6.0
Modification	68.0
Close-Up	6.0
TOTAL MAN-HOURS	80.0

NOTE: The manhours quoted are for modification embodiment during Annual Inspection.

I. Weight and Balance

- (1) Weight +0,086 kg
- (2) Moment +2,47 kg/m

J. Electrical Load Data

No change.

K. Software

No change.

L. References

Aircraft Maintenance Manual (AMM)

12-B-06-20-00-00A-040A-A	12-B-07-10-00-00A-901A-A	12-B-08-20-00-00A-901A-A
12-B-20-31-00-00A-070A-A	12-B-20-50-00-00A-901A-A	12-B-23-12-01-00A-920A-A
12-B-23-50-01-00A-920A-A	12-B-22-10-05-00A-920A-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-25-21-01-00A-920A-A
12-B-25-21-03-00A-920A-A	12-B-25-21-04-00A-920A-A	12-B-25-21-06-00A-920A-A
12-B-25-21-07-00A-920A-A	12-B-25-22-01-00A-920A-A	12-B-25-22-03-00A-920A-A
12-B-25-22-04-00A-920A-A	12-B-34-11-00-00A-903A-A	12-B-34-26-40-00A-920A-A
12-B-34-26-40-00A-920B-A	12-B-34-54-01-00A-920A-A	12-B-46-30-01-00A-920A-A
12-B-46-30-02-00A-920A-A	12-B-46-30-03-00A-920A-A	12-B-46-30-04-00A-920A-A
12-B-46-30-05-00A-920A-A		

Illustrated Parts Catalogue (IPC)

12-B-23-10-00-010-941A-A	12-B-31-10-00-010-941A-A	12-B-31-11-15-010-941A-A
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M. Publications Affected

AMM, IPC, SRM, WDM.

N. Interchangeability of Parts

Not interchangeable.

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

If you require more information about this modification, please contact us as follows

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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.