



PILATUS AIRCRAFT LTD. CH-6371 STANS, SWITZERLAND

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 34-005

REF NO: 023

MODIFICATION NO: 950948 & 950703

ATA CHAPTER: 34

INSTALLATION OF THE RADAR ALTIMETER (KRA 405)

1. Planning Information

A. Effectivity:

All PC-12 aircraft up to and including MSN 683, except for aircraft MSN 545, as a Customer option.

B. Concurrent Requirements

None.

C. Reason

To enhance the aircraft's operation by incorporating an instrument which gives a readout of height above ground level.

The Autopilot Limitations stated in the Airplane Flight Manual, Section 2 must be carefully noted.

D. Description

This Service Bulletin gives the data and instructions necessary to:

- (1) Install a radar altimeter, between Frames 19 and 20, below the passenger cabin floor.
- (2) Install two external radar altimeter antennae, between Frames 17 and 18, on the underside of the fuselage.
- (3) Install a 3 Amp circuit breaker to the avionic bus bar and install all necessary cabling to operate the new radar altimeter system.
- (4) Reconfigure Software (EFIS1, EFIS2 and MFD if fitted).
- (5) Test the complete system.

NOTE: The mechanical part of this Service Bulletin is applicable to all the effective PC-12 and PC-12/45 aircraft.

NOTE: The electrical part has variants:

- Appendix B is applicable to MSN 102 thru 120
- Appendix C is applicable to MSN 121 thru 683, except for MSN 545.

SERVICE BULLETIN

Revision 1 changes the Effectivity and updates the Service Bulletin to the latest standard.

NOTE: Only the Service Bulletin is updated. The drawings and/or documents listed in the Appendix(es) are not included. Operators who wish to accomplish this Service Bulletin should apply to Pilatus Aircraft Ltd. for the latest revisions of the drawings and/or documents listed in the Appendix(es).

E. Compliance

Optional.

NOTE: Required if the Customer incorporates SB 04-001 (Conversion of the PC-12 to a PC-12/45 Variant).

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

G. Manpower

	Total
Preparation	3.0
Installation of Radar Altimeter	1.0
Installation of Antenna	3.0
Installation of Cabling	10.0
Test	2.0
Close up	2.0
TOTAL MAN-HOURS	21.0

NOTE: Man-hours figures are calculated to install the system in one aircraft and represent the total time estimated for the task.

H. Weight and Balance

Aircraft to be weighed after incorporation of this Service Bulletin and the AFM amended accordingly.

I. Electrical Load Data

Not changed.

J. Software

Software for the EFIS1, EFIS2 and MFD (if fitted) is reconfigured.

K. References

Aircraft Maintenance Manual (AMM), Chapters 06-20-00, 08-20-00, 24-00-00, 25-10-03, 25-20-01, 25-21-06 and 07, 25-24-02, 34-42-00 and 34-42-01.

Airplane Flight Manual (AFM), Section 2 - Autopilot Limitations.

L. Publications Affected

Aircraft Maintenance Manual (AMM)
Airplane Flight Manual (AFM)
Illustrated Parts Catalog (IPC)
Wiring Diagram Manual (WDM)

M. Interchangeability of Parts

Not applicable.