

Service Bulletin No: 46-005

Ref No: 313

Modification No: EC-13-0267

ATA Chapter: 46

**SYSTEM INTEGRATION AND DISPLAY - DISPLAY AND CONTROL
INTRODUCTION OF PROTECTION ON THE PILOT PFD AND MFD WIRING LOOMS****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545 and 1001 to 1450.

This modification will be embodied at production on MSN 1451 and up.

B. Concurrent Requirements

None

C. Reason**(1) Problem**

Chafing of the Pilot Primary Flight Display (PFD) and Multi Function Display (MFD) wiring looms.

(2) Cause

Investigation has shown that, during removal or installation and in normal aircraft operations, the pilot PFD and the upper and lower MFDs wiring looms may chafe against the edges of the mounting tray, which can cause damage to wire insulation.

(3) Solution

Inspect the wiring looms for chafe damage, repair as needed and then install protective sleeving on the looms.

D. Description

This Service Bulletin gives the instructions and data necessary to inspect and add protective sleeving to the PFD and MFD wiring looms.

E. Compliance

Recommended.

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

	Man-Hours
Preparation	0.25
Modification	1.00
Close up/test	0.50
TOTAL MAN-HOURS	1.75

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

Not affected.

(2) Moment Change

Not affected.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM):

12-B-20-31-00-00A-070A-A 12-B-46-30-01-00A-920A-A 12-B-46-30-03-00A-920A-A.

M. Publications Affected

Not applicable.

N. Interchangeability of Parts

Not applicable.

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

Pilatus advise that the standard lead time for the parts may be up to 4 weeks.

Operators should send orders for Service Bulletin Modification Kits, to their Authorized Pilatus Service Center, or to:

PILATUS AIRCRAFT LTD.,
CUSTOMER SUPPORT MANAGER,
CH-6371 STANS,
SWITZERLAND

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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. Warranty

Credit will be issued for all affected PC-12/47E aircraft on approval of a warranty claim, provided the work is accomplished by an authorized Service Center within 12 months of the issue date of this Service Bulletin.

C. Material Necessary for Each Aircraft**(1) Material to be ordered from Pilatus**

Parts necessary for one 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.