

Service Bulletin No: 23-007

Ref No: 276

Modification No: EC-10-0637/A

ATA Chapter: 23

**COMMUNICATIONS - AUDIO SYSTEM -
OXYGEN MASK MICROPHONE SOCKET WIRING****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545, 1001 thru 1299.

MSN 1300 and up will have this modification incorporated at production.

B. Concurrent Requirements

None.

C. Reason

(1) Problem:

The Audio System installation connects the shielding of the oxygen mask microphone cable to the VHF Communications key line. A fault in the mask microphone wiring that causes a short circuit between the shielding and the negative line of the microphone or the aircraft ground, will cause the VHF Communications key line to become permanently active.

(2) Cause:

Incorrect wiring.

(3) Solution:

Re-route the shielding of the oxygen mask microphone cable to the aircraft ground instead of the VHF Communications key line.

D. Description

This Service Bulletin gives the data and instructions necessary to re-route the wiring of the oxygen mask microphone wiring connections in the flight compartment.

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 local Airworthiness Authorities 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	0.5
Modification	1.5
Close-Up	1.5
TOTAL MAN-HOURS	3.5

I. Weight and Balance:

(1) Weight change

None.

(2) Moment change

None.

J. Electrical load Data:

No change.

K. Software:

Not changed.

L. References:

Aircraft Maintenance Manual (AMM):

12-B-20-31-00-00A-070A-A 12-B-23-50-00-00A-903A-A

12-B-23-50-10-00A-903A-A 12-B-24-00-00-00A-901A-A

12-B-46-30-00-00A-903A-A 12-B-46-30-01-00A-920A-A

M. Publications Affected:

Aircraft Wiring Manual.

N. Interchangeability of Parts:

Not affected.

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.

B. Warranty

Credit for labor will be issued for all affected aircraft on approval of a warranty claim, provided the aircraft is within the two year warranty period and the work is accomplished by an authorized Service Center within 12 months from the issue date of this Service Bulletin.