

Service Bulletin No: 23-006

Ref No: 255

Modification No: EC-09-0469

ATA Chapter: 23

**COMMUNICATIONS - STATIC DISCHARGING  
IMPROVEMENTS TO THE AIRFRAME ELECTRICAL BONDING****1. Planning Information****A. Effectivity**

All PC-12, PC-12/45, PC-12/47 aircraft experiencing a poor standard of VHF communication.

All PC-12/47E aircraft MSN 545 and MSN 1001 thru 1192.

This modification will be incorporated during production on PC-12/47E aircraft MSN 1193 and subsequent.

**B. Concurrent Requirements**

None.

**C. Reason**

(1) Problem:

Some aircraft are affected by poor VHF communications caused by electrostatic build-up on the airframe during flight. Testing has revealed several areas that may significantly affect the VHF communications system.

Some PC-12/47E aircraft have reported issues with the bus tie opening on the Overhead Panel.

(2) Solution:

Improve the electrical bonding of the airframe.

Improve the bonding of Generator 1 on PC-12/47E aircraft.

**D. Description**

This Service Bulletin gives the data and instructions necessary to improve the electrical bonding of the airframe.

Revision No. 1 of this Service Bulletin is issued to identify changes in item Part Numbers.

Operators who have accomplished this Service Bulletin at the initial issue do not need to do further work for this revision.

**E. Compliance**

Recommended for aircraft experiencing a poor standard of VHF communication.

Recommended for PC-12/47E aircraft.

**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.

**G. Manpower:**

<b>Task</b>	<b>Man-hours</b>
Preparation	0.50
Modification	10.50
Close-Up	1.00
<b>TOTAL MAN-HOURS</b>	<b>12.00</b>

**H. Weight and Balance:****(1) Weight Change**

None

**(2) Moment Change**

None

**I. Electrical load Data:**

Not affected.

**J. Software:**

Not affected.

**K. References:**

Aircraft Maintenance Manual (AMM)

**PC-12, PC-12/45, PC-12/47**

12-A-06-20-00-00A-040A-A  
12-A-07-10-00-00A-901A-A  
12-A-20-31-00-00A-070A-A  
12-A-20-40-10-00A-901A-A  
12-A-24-00-00-00A-901A-A  
12-A-24-30-07-00A-920A-A  
  
12-A-32-30-00-00A-903A-A  
12-A-33-46-01-00A-920A-A

**PC-12/47E**

12-B-06-20-00-00A-040A-A  
12-B-07-10-00-00A-901A-A  
12-B-20-31-00-00A-070A-A  
12-B-20-40-10-00A-901A-A  
12-B-24-00-00-00A-901A-A  
12-B-24-30-07-00A-920A-A  
12-B-24-30-07-00A-920B-A  
  
12-B-32-30-00-00A-903A-A  
12-B-33-46-01-00A-920A-A

**L. Publications Affected:**

AMM, IPC.

**M. Interchangeability of Parts:**

Not affected.

**2. Material Information****A. Warranty**

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

**B. Material - Price and Availability**

Pilatus advise that the standard lead times for the material needed in this Service Bulletin may be up to 1 month.

Send orders for Service Bulletin Modification Kits to your Authorized Pilatus Service Center, or to:

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