

Service Bulletin No: 24-027

Ref No: 272

Modification No:

ATA Chapter: 24

**ELECTRICAL POWER - DC POWER DISTRIBUTION  
LEFT HAND POWER JUNCTION BOX - INSPECT THE GAP BETWEEN CURRENT SENSOR AND  
BUSBAR****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545, 1001 thru 1211, 1213 thru 1254, 1256 thru 1275 and 1280 thru 1286 with Left Hand Power Junction Box (LHPJB) P/N 974.03.38.136.

Left Hand Power Junction Box (LHPJB) P/N 974.03.38.136 held as spare.

**B. Concurrent Requirements**

None.

**C. Reason**

(1) Problem:

The vendor has reported that during final inspection it was found that there was insufficient gap between the current sensor and busbar.

(2) Solution:

Inspect the gap between the current sensor and busbar. Rectify if needed.

**D. Description**

This Service Bulletin gives the data and instructions necessary to inspect the LHPJB P/N 974.03.38.136 in conjunction with the Vendor Service Bulletin (Esterline Power Systems Service Bulletin Document No. 1093028) which is available on:

[www.pilatus-aircraft.com](http://www.pilatus-aircraft.com) > Customer Support > Publications > PC-12 > Third Party Documents

Alternatively, the LHPJB P/N 974.03.38.136 can be returned to the vendor (or a vendor approved service center) for upgrade to P/N 974.03.38.144 (refer to Service Letter 155) and to concurrently incorporate this inspection.

**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:**

<b>Task</b>	<b>Man-hours</b>
a. Check if installed unit is affected	0.5
b. Inspection of affected unit	3.5
c. Repair and Close up	0.5
<b>TOTAL MAN-HOURS</b>	<b>4.5</b>

**I. Weight and Balance:**

(1) Weight Change

None

(2) Moment Change

None

**J. Electrical load Data:**

Not affected.

**K. Software:**

Not affected.

**L. References:**

Esterline Power Systems Service Bulletin Document No. 1093028

Aircraft Maintenance Manual (AMM)

12-B-06-20-00-00A-040A-A 12-B-20-31-00-00A-070A-A

12-B-24-00-00-00A-901A-A 12-B-24-52-10-00A-903A-A

12-B-24-52-10-00A-920A-A

**M. Publications Affected:**

None.

**N. Interchangeability of Parts:**

Not applicable.

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

If you want more information about this modification, contact your approved Service Center or:

PILATUS AIRCRAFT LTD.,  
CUSTOMER SUPPORT MANAGER,  
CH-6371 STANS,  
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Fax: (08) 8234 4499  
Free Call: 1800 445 007  
eMail: SupportPC12@pilatus.com.au

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. Material Necessary:**

Refer to Esterline Power Systems Service Bulletin Document No. 1093028.

**C. Warranty**

Credit will be issued for the inspection (Part b of Para 1.H: 3.5 hours) of affected components on approval of a warranty claim provided the work is accomplished by an authorized Service Center within 12 months from the issue date of this Service Bulletin.

If it is necessary to carry out the repair procedure as per Esterline Power Systems Service Bulletin Document No. 1093028, an additional credit for 0.5 manhours will be issued (Part c of Para 1.H).

**D. Operator Supplied Materials (Ref. AMM, 12-B-20-31-00-00A-070A-A):**

Material No.	Description	Qty	Remarks
Local supply	RED BLOCKING VARNISH	A/R	or equivalent

**E. Material Necessary for Each Spare**

Refer to Esterline Power Systems Service Bulletin Document No. 1093028.