

Service Bulletin No: 27-024

Ref No: 391

Modification No: EC-16-0441

ATA Chapter: 27

**FLIGHT CONTROLS - HORIZONTAL STABILIZER TRIM -  
REPLACEMENT OF THE TRIM ADAPTER UNIT****1. Planning Information****A. Effectivity**

All PC-12/47E aircraft MSN 1001 to MSN 1870.

This modification will be embodied on PC-12/47E aircraft MSN 1871 and up at production.

**B. Concurrent Requirements**

None.

**C. Reason****(1) Issue**

The current Honeywell trim adapter unit uses electro-mechanical relays. Due to frequent switching at their load limits, the electro-mechanical relays have a decreased operational life of 25,000 cycles. This increases the maintenance required for the trim adapter unit.

**(2) Solution**

A new Pilatus trim adapter unit is installed, which uses solid state relays. The solid state relays have an operational life of several million cycles, this improves the reliability of the trim adapter unit.

**D. Description**

This Service Bulletin gives the data and instructions necessary to replace the trim adapter unit.

**E. Compliance**

Optional.

**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**

<b>Task</b>	<b>Man-Hours</b>
Preparation	1.50
Modification	0.50
Close up	2.00
<b>TOTAL MAN-HOURS</b>	<b>4.00</b>

**I. Weight and Balance**

No change.

**J. Electrical Load Data**

No change.

**K. Software**

None.

**L. Reference**

AMM:

12-B-22-10-00-00A-903A-A    12-B-24-00-00-00A-901A-A    12-B-25-21-04-00A-920A-A  
12-B-25-22-04-00A-920A-A

**M. Publications Affected**

Aircraft Maintenance Manual (AMM)

Illustrated Parts Data (IPD).

**N. Interchangeability of Parts**

Not interchangeable.

## 2. Material Information

### A. Material - Price and Availability

Operators that require additional information and/or Service Bulletin Material should contact their authorized Pilatus Service Center, or Pilatus Customer Support on [www.pilatus-aircraft.com](http://www.pilatus-aircraft.com) → contact us

**NOTE:** Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change part numbers as necessary. Part numbers of items delivered are correct when dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the items delivered if parts are superseded. Operators are requested to check the IPD for delivered parts which differ from those listed in the Service Bulletin Materials Kit List.

### B. Warranty

Credit will be issued for parts and labour on an attrition basis for all affected aircraft on approval of a warranty claim, provided the work is accomplished by an authorized Service Center and the aircraft is:

- Within the 3-year Honeywell warranty coverage period, or
- Covered under an active Honeywell HAPP contract at the time of the original issue date of this Service Bulletin.

**NOTE:** The KTA 2810 Trim Adapter from Honeywell is no longer covered under the Honeywell HAPP programme.

**NOTE:** The new Trim Adapter has the standard Pilatus part warranty of 1-year.