

# SERVICE BULLETIN

SERVICE BULLETIN NO: 24-016

REF NO: 118

MODIFICATION NO: ECN-00-0084

ATA CHAPTER: 24

## ELECTRICAL POWER BRUSH HOLDER IN SECOND GENERATOR - REPLACEMENT

### 1. Planning Information

#### A. Effectivity

- (1) All PC-12, PC-12/45 and PC-12/47 aircraft with second generators (generator-2) (P/N 524.32.12.158) installed, up to and including MSN 999, except for aircraft MSN 545.
- (2) All generator-2 (P/N 524.32.12.158) with brush holder assemblies HED60-CR-132903 held as spare.

#### B. Concurrent Requirements

None

#### C. Reason

##### (1) Problem

The carbon brushes in brush holder assemblies (HED60-CR-132903) are found to wear too quickly in the generator-2 (P/N 524.32.12.158).

##### (2) Cause

The material from which the brushes are made is too soft.

##### (3) Solution

Replace brush holder assemblies (HED60-CR-132903) with the new brush holder assemblies (HED60-CR-132300) at the next scheduled inspection.

#### D. Description

This Service Bulletin gives the data and instructions necessary to replace the generator-2 brush holder assemblies.

Revision 1 of this Service Bulletin includes the data and instructions necessary to install brush holders which have Morganite Longer-life Brushes.

Revision 2 of this Service Bulletin changes the Effectivity and updates the Service Bulletin to the latest standard.

#### E. Compliance

Recommended.

**F. Approval**

The technical content of this Service Bulletin 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**

	Total
Preparation	0.5
Modification of generator-2	2.0
Close up	0.5
<b>TOTAL MAN-HOURS</b>	<b>3.0</b>

**NOTE:** Man-hours figures do not include the time required to cure sealants and adhesives.

**H. Weight and Balance**

**(1) Weight Change**

Not changed.

**(2) Moment Change**

Not changed.

**I. Electrical Load Data**

Not changed.

**J. Software**

Not changed.

**K. References**

Aircraft Maintenance Manual (AMM), 06-20-00, 24-00-00 and 71-00-00.

**L. Publications Affected**

AMM, 24-30-10.

Illustrated Parts Catalog, 24-00-00.

**M. Interchangeability of Parts**

Not applicable.

**2. Material Information**

**A. Material - Price and Availability**

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

General Aviation:  
Tel: + 41 41 619 6208  
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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.