

Service Bulletin No: 72-003

Ref No: 267

Modification No:

ATA Chapter: 72

**ENGINE- REDUCTION GEARBOX FIRST STAGE CARRIER - REPLACE BOLTS - P&WC SERVICE BULLETIN NO. 14444****1. Planning Information****A. Effectivity**

All PC-12, PC-12/45, PC-12/47 and PC-12/47E Series aircraft with PT6A-67B or PT6A-67P engines (including engines held as spare) that have had an engine overhaul or repair to the reduction gearbox (RGB) section before September 4, 2010.

**B. Concurrent Requirements**

None.

**C. Reason**

## (1) Problem:

The clamping load of the reduction gearbox first stage carrier can reduce during certain engine operating conditions.

## (2) Cause:

The RGB first stage carrier bolts clamping load can be affected by excessive bolt thread friction, incorrect positioning of the bolt tab washer or insufficient torque applied to the bolts.

## (3) Solution:

The RGB first stage carrier bolts are replaced using defined standard practices to maintain the clamping load.

**D. Description**

This Service Bulletin gives the necessary instructions to remove and return the engine or engine power section to a P&WC approved overhaul/repair center.

**E. Compliance**

Mandatory.

For engines with 0 to 99 hours since RGB repair or TSO, comply within 50 hours or 4 months (whichever comes first) from October 6, 2010.

For engines with 100 to 1000 hours since RGB repair or TSO, comply within 400 hours or 12 months (whichever comes first) from October 6, 2010.

For engines with 1001 hours or more since RGB repair or TSO, comply within 700 hours or 24 months (whichever comes first) from October 6, 2010.

**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**

No extra manhours are required if this Service Bulletin is accomplished at engine overhaul.

**I. Weight and Balance:**

No change.

**J. Electrical load Data:**

No change.

**K. Software:**

Not affected.

**L. References:**

Aircraft Maintenance Manual (AMM)

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

12-A-71-00-00-00A-920A-A    12-B-71-00-00-00A-920A-A

12-A-71-00-02-00A-920A-A    12-B-71-00-00-00A-920A-B

12-A-72-10-00-00A-920A-A    12-B-72-10-01-00A-920A-A

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P&WC Customer Support Program Notification (CSPN) 1005265

**M. Publications Affected:**

None.

**N. Interchangeability of Parts:**

Not interchangeable.

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

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

If you need additional information, please contact your Authorized Service Center or:

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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**

Refer to P&WC Service Bulletin No. 14444 and P&WC CSPN 1005265.

**C. Material Necessary for one Aircraft:**

Refer to P&WC Service Bulletin No. 14444.

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

Not applicable.

**E. Tooling - Cost and Availability**

Not applicable.