

**FOR PLANNING PURPOSES**

# SERVICE BULLETIN

SERVICE BULLETIN NO: 32-013

REF NO: 150

MODIFICATION NO: 12/32/122

ATA CHAPTER: 32

## LANDING GEAR - WHEELS AND BRAKES BRAKE UNITS - REPLACEMENT

### 1. Planning Information

#### A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 475.

#### B. Concurrent Requirements

Post-Service Bulletin 32-004 (Main Landing Gear - Replacement of Brake Units).

Goodrich Service-Bulletin 3-1543-32-2.

#### C. Reason

PILATUS makes Operators aware that they have the option to replace brake units which have carbon heat sinks (P/N: 959.56.01.511) with brake units that have steel heat sinks (P/N: 959.56.01.512). The maintenance of brake units with steel heat sinks is less costly than that of brake units with carbon heat sinks.

When the replacement brake units are installed it is also necessary to replace four lever assemblies. These levers connect the master brake cylinders to the brake pedal mechanisms. They are installed to make sure that the pilot has similar brake feel. The replacement levers also change the angle of the brake pedals to a more comfortable attitude.

The main landing gear (MLG) wheels (P/N: 959.56.01.501) must be modified (or replaced (P/N: 959.56.01.502)) before use with the brake units with steel heat sinks. The modification instructions are given in Goodrich Service-Bulletin 3-1543-32-2.

#### D. Description

This Service Bulletin gives the data and instructions necessary to:

- Replace brake units with carbon heat sinks for brake units with steel heat sinks
- Change the lever assemblies of the brake master cylinders in aircraft MSN 231 thru MSN 475 or MSN 101 thru 230 with Service Bulletin 32-004 incorporated
- Obey the data and instructions given in Goodrich Service-Bulletin 3-1543-32-2 to modify the MLG wheels

#### E. Compliance

Optional.

**F. Approval**

The technical aspects of this Service Bulletin are approved by the Federal Office for Civil Aviation (FOCA) of Switzerland.

PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that can affect the embodiment of this Service Bulletin.

**G. Manpower**

	Total
Preparation	0.5
Modification	7.0
Goodrich SB. 3-1543-32-2	4.0
Close up	1.5
<b>TOTAL MAN-HOURS</b>	<b>13.0</b>

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

**H. Weight and Balance**

**(1) Weight Change**

+ 8, 70 kg (19.20 lb)

**(2) Moment Change**

+ 54,74 mkg (4751.3 in. lb)

**I. Electrical Load Data**

Not changed.

**J. Software**

Not changed.

**K. References**

Aircraft Maintenance Manual (AMM), 07-10-00, 20-20-00, 20-20-01, 25-10-01, 25-10-03, 25-21-07, 32-30-00, 32-40-00, 32-40-01 and 32-40-03.

Service Bulletin 32-004.

Goodrich Service-Bulletin 3-1543-32-2.

**L. Publications Affected**

Illustrated Parts Catalog, 32-40-00.

AMM, 32-40-03.

Pilots Operating Handbook, Airplane Equipment List (Report No. 02047).

**M. Interchangeability of Parts**

Pre and Post-Service Bulletin 32-013 brake units are not interchangeable. It is not permitted to install one Pre and one Post-Post-Service Bulletin 32-013 brake unit.

Pre and Post-Goodrich Service Bulletin 3-1543-32-2 MLG wheels are not interchangeable.

**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 the following:

PILATUS AIRCRAFT LTD.,  
CUSTOMER LIAISON MANAGER,  
CH-6371 STANS,  
SWITZERLAND

General Aviation:  
Tel : + 41 41 619 6319  
Fax: + 41 41 619 6224  
eMail: pilga@pilatus-aircraft.com

Government:  
Tel : + 41 41 619 6509  
Fax. + 41 41 619 6224  
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PRODUCT SUPPORT DEPARTMENT  
11755 AIRPORT WAY  
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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.