



PILATUS AIRCRAFT LTD. CH-6371 STANS, SWITZERLAND

# SERVICE LETTER

**SUBJECT: BFGOODRICH SERVICE BULLETIN NO: 3-1543-32-1**

All Operators

Date: June 19/98

This Service Letter draws the attention of Customers to Vendor information that provides full details on the above topic as follows:

**APPENDIX A:** BFGoodrich Service Bulletin No: 3-1543-32-1, regarding Landing Gear - Main Wheel Assembly - Loose Insert Screw.

Reports have been received of insert screws (P/N: MS24693S270) that have become loose, in service, which could permit the insert to move and possibly cause wheel and/or brake damage.

Therefore, Pilatus Aircraft Ltd. strongly advises that this Service Bulletin be incorporated at the next opportunity.

**NOTE:** The insert screw (MS24693S270) - quoted in the BFGoodrich Service Bulletin (Page 2 of 4) - is available from PILATUS stock, under the part number 933.45.16.270 which can be procured in the normal manner.

**NOTE:** With reference to the BFG Service Bulletin (Page 3 of 4) Para. D - last line, quote - Also, make sure the insert is seated radially on the wheel lug, - unquote. Add the statement that follows: "By lightly tapping it, radially."

Firstly, contact the Vendor for any specific inquires concerning the subject matter.

Customer requiring further information on this subject, please contact the address given below:

PILATUS AIRCRAFT LTD.  
CUSTOMER LIAISON MANAGER,  
CH-6371 STANS      Tel: + 41 41 619 63 19  
SWITZERLAND.      Fax: + 41 41 610 33 51

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**PC12**  
**SERVICE LETTER**

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**SERVICE LETTER**

**APPENDIX A**

(BFGoodrich Service Bulletin No: 3-1543-32-1, regarding Landing Gear - Main Wheel Assembly - Loose Insert Screw.)

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**PC12**  
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# SERVICE BULLETIN

SUBJECT: LANDING GEAR - MAIN WHEEL ASSEMBLY  
LOOSE INSERT SCREW

1. PLANNING INFORMATION:

A. EFFECTIVITY:

This Service Bulletin applies to PILATUS models PC-12 and PC-12/45 Aircraft that use the BFGoodrich main wheel assembly, P/N 3-1543.

B. OTHER PROCEDURES THAT MUST BE DONE AT THE SAME TIME (CONCURRENT REQUIREMENTS):

Does not apply

C. REASON:

Reports have been received of inserts screws, P/N MS24693S270 that have become loose in service which could permit the insert to move and possibly cause wheel and/or brake damage.

D. DESCRIPTION:

This Service Bulletin gives a procedure which will allow the operators to use one or two drops of Loctite sealant on the insert screws before installation.

COMPLIANCE:

At the next scheduled wheel removal or tire change, remove each insert screw and discard. Install a new insert screw with Loctite applied to the threads.

APPROVAL:

This Service Bulletin has BFGoodrich and Pilatus approval and contains no modification information that revises the approved configuration and therefore no governmental or other regulatory agency approval is necessary.

E. MANPOWER:

If this procedure is done at a scheduled wheel removal or tire change, approximately 1/2 hour is necessary to remove and install new insert screws.

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F. WEIGHT AND BALANCE:

Not affected

G. ELECTRICAL LOAD DATA:

Not affected

H. SOFTWARE ACCOMPLISHMENT DATA:

Does not apply

I. REFERENCES:

BFGoodrich Component Maintenance Manual (CMM) 32-45-79.

J. OTHER PUBLICATIONS AFFECTED:

<u>Publication</u>	<u>Chapter and/or Section</u>
CMM 32-45-79	Assembly

K. INTERCHANGEABILITY OR INTERMIXABILITY OF PARTS:

Does not apply

2. MATERIAL INFORMATION:

A. MATERIAL - AVAILABILITY:

NOTE: To keep warranty coverage, use only BFGoodrich-approved replacement parts.

NAME	PART NUMBER	QTY. EACH WHEEL	AVAILABILITY
INSERT SCREW	MS24693S270	6	CURRENTLY AVAILABLE

Loctite Sealant 242 (medium strength).

Loctite Corporation  
Industrial Group  
705 North Mountain Road  
Newington, Connecticut 06111 U.S.A.

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B. INDUSTRY SUPPORT DATA:

Does not apply

C. MATERIAL THAT IS NECESSARY FOR IN-SERVICE ASSEMBLIES:

Six insert screws, P/N MS24693S270 are necessary for each wheel assembly.

D. MATERIAL THAT IS NECESSARY FOR SPARE ASSEMBLIES:

Refer to paragraph 2.C.

E. REIDENTIFIED PARTS:

No effect

F. TOOLING - PRICE AND AVAILABILITY:

Does not apply

3. ACCOMPLISHMENT INSTRUCTIONS:

- A. At the next scheduled wheel removal or tire change, remove and discard all the drive insert screws, P/N MS24693S270 and install new insert screws (refer to Figure 1).

WARNING: DRY CLEANING SOLVENT P-D-680 TYPE II IS DANGEROUS TO SKIN, EYES, AND RESPIRATORY TRACT. SKIN AND EYE PROTECTION IS NECESSARY. PREVENT REPEATED CONTACT WITH THE SOLVENT OR CONTACT FOR A LONG TIME. GOOD GENERAL AIR FLOW IS USUALLY SUFFICIENT.

- B. Thoroughly clean each new insert screw with dry cleaning solvent to remove oil, grease and other contaminants.
- C. Apply one or two drops of Loctite sealant 242 (medium strength) to the threads.
- D. Check to make sure the drive insert is in proper alignment with the insert screw hole in the wheel lug. If necessary, tap the insert axially to align the insert hole. Also, make sure the insert is seated radially on the wheel lug.
- E. Install each insert screw through the drive insert and into the wheel assembly. Dry torque each insert screw 35 - 55 pound-inches (3,9 - 6,2 Nm).
- F. At each subsequent wheel removal or tire change, check each insert screw for tightness. If an insert screw is loose, remove and reapply Loctite sealant 242 as referenced above.

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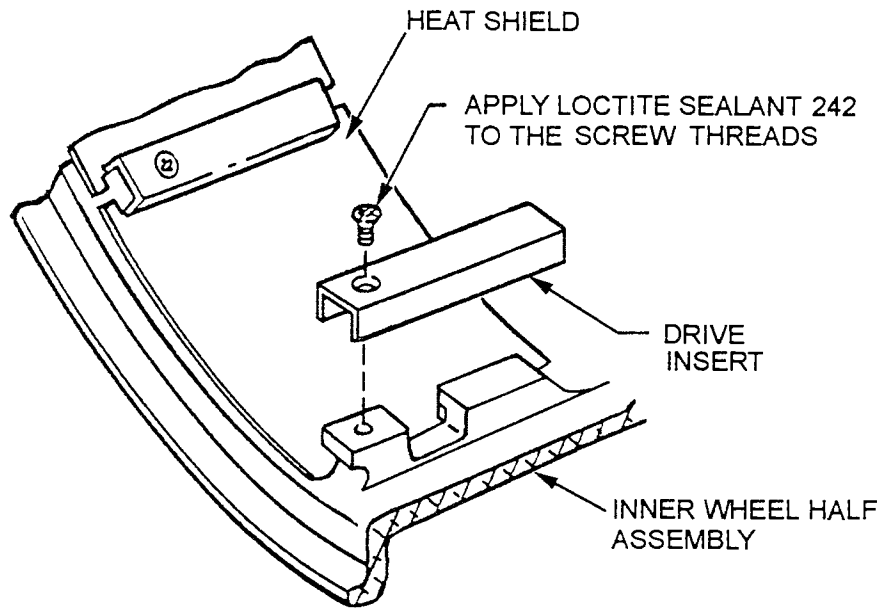


Figure 1.