

MANDATORY SERVICE BULLETIN

MSB 42NG-070

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes affected

Type: DA 42NG /M-NG
Serial numbers: 42.N225 through 42.N307
42.MN055 through 42.MN058

I.3 Date of effectivity

15-Dec-2017

I.4 Time of Compliance

Within 100 flight hours from the date of effectivity, but not later than 31-Dec-2018.

I.5 Subject

Securing of screwed connection between Main Landing Gear and Main Landing Gear Door-rod.

ATA-Code: 32-10

I.6 Reason

The bolt connecting the Main Landing Gear Door-rod to the Main Landing Gear might have been insufficiently secured during production process and can come loose.

I.7 Concurrent Documents

None.

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 42-1027, which has been approved under the authority of EASA Design Organization Approval ref. EASA.21J.052.

The technical content of this document has been approved under the authority of DOA ref. EASA.21J.052.

I.9 Accomplishments / Instructions

See WI-MSB 42NG-070, latest effective issue.

I.10 Mass (Weight) and CG

Not affected.

II PLANNING INFORMATION**II.1 Material and Availability**

See WI-MSB 42NG-070, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 0,5 hours.

II.4 Credit

For all aircraft within warranty period.

II.5 Reference Documents

None

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, particular that which is not especially described in this Service Bulletin, must be done in accordance with the referenced Maintenance Manual.
3. Completion of all work must be recorded in the log book.
4. If material and/or labor hours are subject to be credited through Diamond Aircraft Industries, the Service Bulletin must be done by an authorized Diamond Service Center within the time of compliance and the Warranty Application incl. Work Report must be sent not later than 30 days after completion of work.
5. In case of doubt contact Diamond Aircraft Industries GmbH.

EXECUTION REPORT TO SERVICE BULLETIN MSB 42NG-070

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine LH _____

RH _____

Typical operation of airplane private, club, training, other _____

Date, Name, Sign

Please fax the completed form to Fax No. +43-2622-26700-1369 or e-mail to
airworthiness@diamond-air.at

WORK INSTRUCTION

WI-MSB 42NG-070

I GENERAL INFORMATION

I.1 Subject

Securing of screwed connection between Main Landing Gear and Main Landing Gear Door-rod.

I.2 Reference Documents

DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, latest effective issue.

I.3 Remarks

- a) All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
- b) All work, in particular if not described in this work instruction, must be done in accordance with the referenced maintenance manual.
- c) For conversion factors between SI units and US/Imperial units refer to AMM Chapter 02.
- d) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

None.

II.2 Special Tools

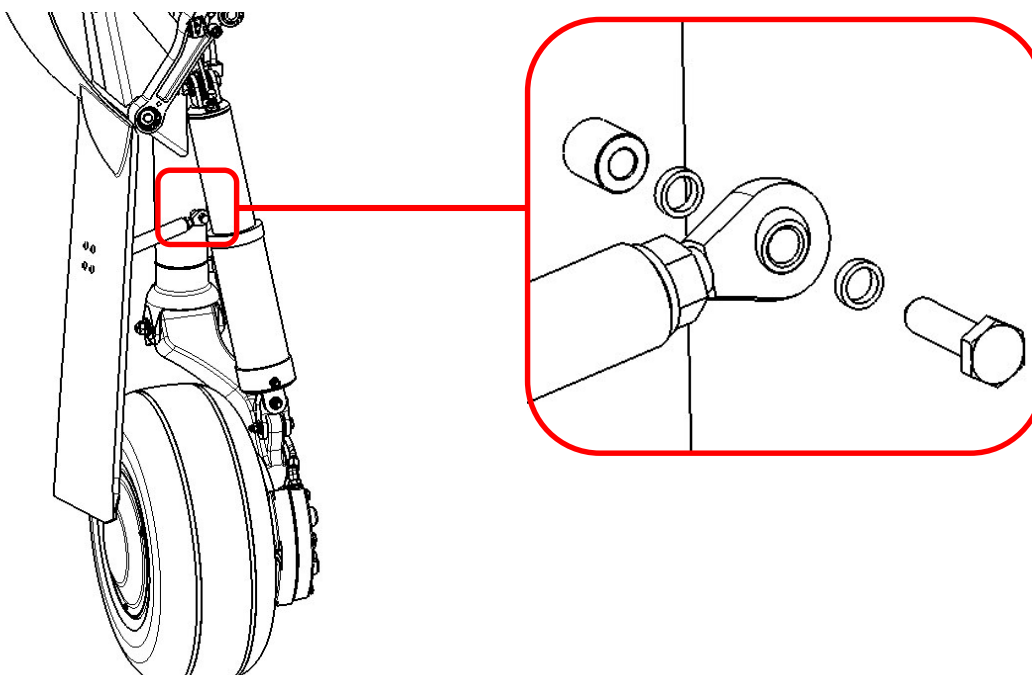
None.

II.3 Material

Quantity	Part Number	Description
a.r.	Loctite 243_	Threadlocking adhesive

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	<p>Disassemble the connection of the Main Landing Gear Door to the Main Landing Gear Leg on the LH Main Landing Gear.</p> 
2	<p>Apply a thin coating of Loctite 243 to the bolt. It must be applied to all turns of the screw thread.</p>
3	<p>Install the bolt again according to Figure.</p>
4	<p>Repeat Steps 1-3 on the RH Main Landing Gear.</p>
5	<p>Clean working areas, check for foreign objects.</p>
6	<p>Check all altered, replaced, repaired parts for proper function.</p>
7	<p>Test all systems in working area for function.</p>
8	<p>Make all necessary entries in the airplane logs.</p>