

OPTIONAL SERVICE BULLETIN

OSB 40NG-039

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 40 NG

Serial numbers: 40.N088 and subsequent

Note This Service Bulletin is only applicable, if OÄM 40-334 is **NOT** installed.

I.3 Date of effectivity

28-May-2015

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Replacement of nose landing gear strut.

ATA-Code: 32-20

I.6 Reason

In order to achieve a lower ground attitude for a better take-off behavior a modified nose landing gear strut has been approved. This Service Bulletin describes the installation of the new nose landing gear strut on airplanes already in service.

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 40-791, 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

- Replace the nose landing gear strut with part number D44-3223-10-00_04 i.a.w. AMM Section 32-20 and drawing D44-3223-00-00_4.
- If wheel fairings (OÄM 40-345) are installed, replace wheel fairing i.a.w. OSB 40NG-040.

I.10 Mass (Weight) and CG

The change in mass and CG is negligible.

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

Quantity	Part No.	Description
1	D44-3223-10-00_04	NLG strut
2	DIN 2093-25x12.2x1.5	Disc spring
7	DIN 985-M12-A2	Hexagon Nut
8	LN 9025-0510K	Washer
2	LN 9025-0815K	Fillister Head Screw
3	LN 9025-1220K	Fillister Head Screw
8	LN 9037-05018	Hexagon Bolt
1	LN 9037-08070	Hexagon Bolt
1	LN 9348-08	Hexagon Nut
8	LN29910-M5	Anchor Nut
16	CCR244SS-3-03	Rivets

Material is available from Diamond Aircraft Industries.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 4 hours.

II.4 Credit

None.

II.5 Reference Documents

DA 40 NG Airplane Maintenance Manual, Doc. No. 6.02.15, latest effective issue.

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. In case of doubt contact Diamond Aircraft Industries GmbH.

**EXECUTION REPORT TO
SERVICE BULLETIN
OSB 40NG-039**

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine _____

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