

RECOMMENDED SERVICE BULLETIN

RSB 42-132

RSB 42NG-074

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 42, DA 42 NG
Serial numbers: 42.004 through 42.427
42.N001 through 42.N067
42.AC001 through 42.AC151
42.NC001 through 42.NC008
42.M001 through 42.M026
42.MN001 through 42.MN032

I.3 Date of effectivity

14-Feb-2018

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Installation of NLG Towing Placard.

ATA-Code: 11-23

I.6 Reason

The NLG Placard is introduced to indicate the maximum nose wheel steering angle. Staying within the maximum wheel steering angle and smooth starting and stopping of the towing movement will ensure the design durability and reliability of the nose landing gear. This Service Bulletin describes the retrofit installation 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 42-756, 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-OSB 42-132 / WI-OSB 42NG-074 latest effective issue.

I.10 Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 42-132 / WI-OSB 42NG-074 latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 1 hours.

II.4 Credit

None.

II.5 Reference Documents

DA 42 Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue.

DA42 Airplane Flight Manual Doc. No. 7.01.05-E, latest effective issue.

DA42 Airplane Flight Manual Doc. No. 7.01.06-E, latest effective issue.

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

DA42 NG Airplane Flight Manual Doc. No. 7.01.15-E, latest effective issue.

DA42 NG Airplane Flight Manual Doc. No. 7.01.16-E, 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
RSB 42-132
RSB 42NG-074**

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. +43-2622-26780
or e-mail to executionreports@diamond-air.at

WORK INSTRUCTION

WI-RSB 42-132

WI-RSB 42NG-074

I GENERAL INFORMATION

I.1 Subject

Installation of NLG Towing Placard.

I.2 Reference Documents

DA 42 Airplane Maintenance Manual, Doc. No. 7.02.01, latest effective issue.

DA42 Airplane Flight Manual Doc. No. 7.01.05-E, latest effective issue.

DA42 Airplane Flight Manual Doc. No. 7.01.06-E, latest effective issue.

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

DA42 NG Airplane Flight Manual Doc. No. 7.01.15-E, latest effective issue.

DA42 NG Airplane Flight Manual Doc. No. 7.01.16-E, 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
1	D60-1123-20-41	NLG Towing Placard Note
1	D60-1123-20-42	NLG Towing Placard Centering Range
1	D60-1123-20-43	NLG Towing Placard Centering Dial

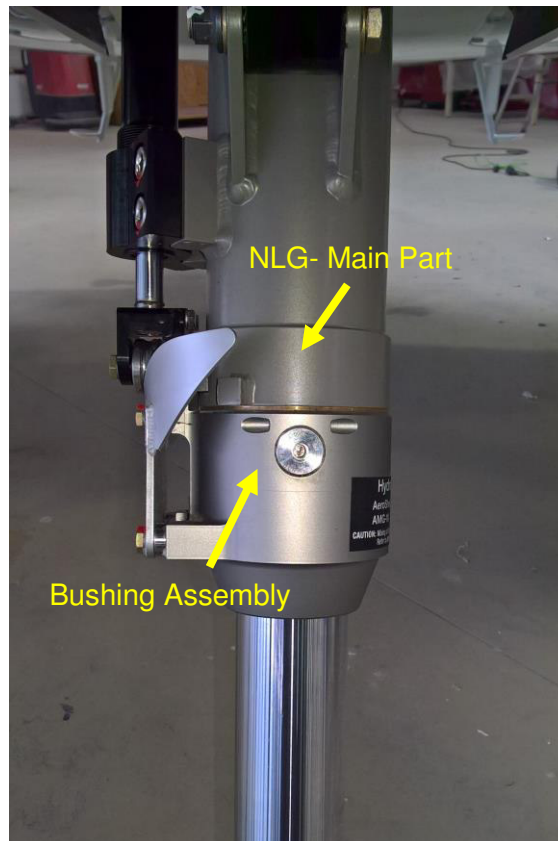
Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS


- 1 Clean the NLG Main Part and the Bushing Assembly i.a.w. picture 1. Use a commercial solvent to remove grease and dirt from the surface. Refer to AMM Section 12-30. The surface must be totally clean from grease or dirt.

NOTE: Do not use cleaning or polishing agents which contain silicone.

WARNING: When handling chemicals, always observe Health and Safety Regulations given by the manufacturer of the chemicals



Picture 1

2	Make sure that the Nose Wheel is centered.
3	Apply the NLG Towing Placard Centering Range Sticker and the NLG Towing Placard Note Sticker on the Bushing Assembly i.a.w. the picture 2.
4	Apply the NLG-Towing Placard Centering Dial Sticker on the NLG Main Part i.a.w. picture 2 
5	Clean working areas, check for foreign objects.
6	Make all necessary entries in the airplane logs.

Picture 2