

# 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, SignPlease fax the completed form to Fax No. +43-2622-26780  
or e-mail to [executionreports@diamond-air.at](mailto: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

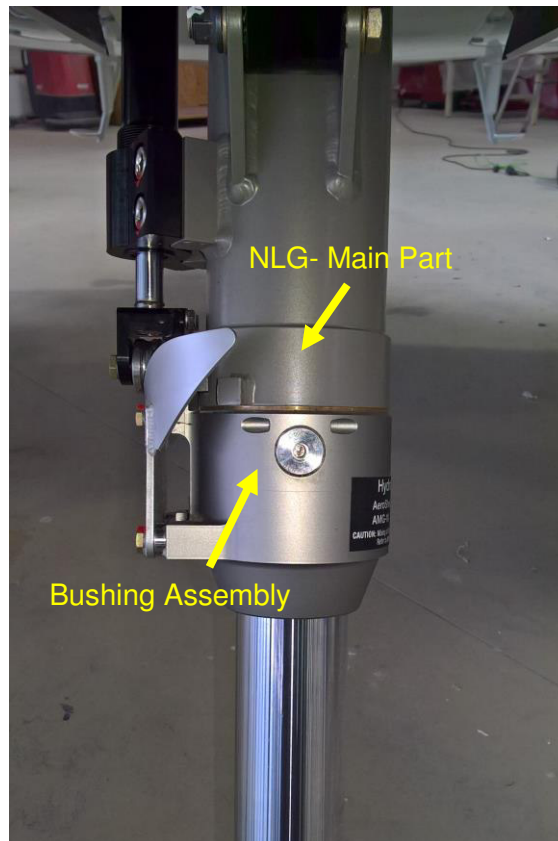
Material is available from Diamond Aircraft Industries.

## 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.