

RECOMMENDED SERVICE BULLETIN

RSB 42-108/1

RSB 42NG-046/1

I TECHNICAL DETAILS

I.1 Category

Recommended.

I.2 Airplanes affected

Type: DA 42, DA 42 M, DA 42 NG, DA 42 M-NG
Serial numbers: 42.004, 42.005, 42.008, 42.034, 42.157, 42.177, 42.191, 42.234,
42.247, 42.255, 42.262, 42.272, 42.282, 42.286, 42.293, 42.304,
42.319, 42.328
42.M001 through 42.M027
42.N056, 42.N062 through 42.N067, 42.N101,
42.N104, 42.N111, 42.N115, 42.N118, 42.N119,
42.N121 through 42.N126
42.MN001 through 42.MN032

I.3 Date of effectivity

26-Feb-2015

I.4 Time of Compliance

At holder's discretion

I.5 Subject

Sealing of Nose cone.

ATA-Code: 53-00

I.6 Reason

To improve the protective function of the fuselage nose cone, a sealant is applied on the gap to the fuselage. In order to simplify maintenance, additional access holes are added in the nose baggage compartment.

Note For models DA 42 M and DA 42 M-NG this service bulletin is recommended, if the removable nose cone is permanently installed instead of nose containers.

I.7 Concurrent Documents

None.

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. OÄM 42-119/c, 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-RSB 42-108 / WI-RSB 42NG-046, latest effective issue.

I.10 Mass (Weight) and CG

No Change.

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

See WI-RSB 42-108 / WI-RSB 42NG-046, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 3 hours.

II.4 Credit

None.

II.5 Reference Documents

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

DA 42 NG Airplane Maintenance Manual, Doc. No. 7.02.15, 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, in 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 42-108/1
RSB 42NG-046/1**

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. +43-2622-26700-1369 or e-mail to
airworthiness@diamond-air.at

WORK INSTRUCTION

WI-RSB 42-108

WI-RSB 42NG-046

I GENERAL INFORMATION

I.1 Subject

Sealing of Removable Nose Cone.

I.2 Reference Documents

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

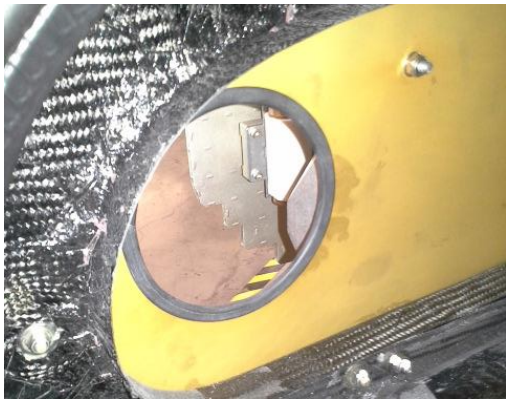
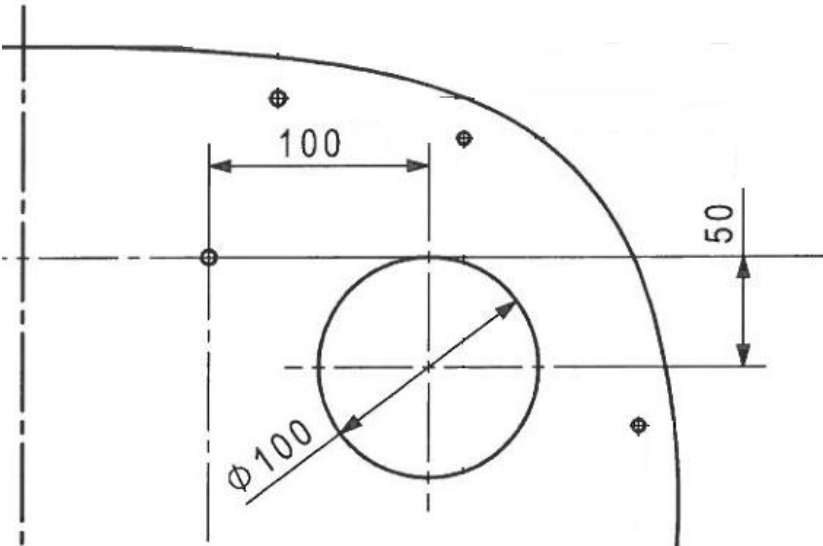
None.

II.3 Material

Quantity	Part Number	Description
1	D60-2550-85-00_03	Carpet
1	MS9380	Terostat MS 9380 white 300 ml
0.8 m	193422	Edge protection

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Make sure AMM-TR-OÄM-42-119/a has been added to the AMM or an AMM revision with this Temporary Revision incorporated is used.
2	Seal drain hole in nose cone with Terostat MS9380.(see AMM section 5-25)
3	<p>If OÄM 42-119 is installed:</p> <ul style="list-style-type: none"> • Drill holes with 100 mm (4 in.) diameter in the aluminum sheet from nose baggage compartment i.a.w. sketch below. <p>CAUTION Do not damage the weather radar and its supporting structure.</p> <ul style="list-style-type: none"> • Break sharp edges. • Install edge protection on holes. • Remove debris.  
4	Replace radar bulkhead carpet with D60-2550-85-00_03.
5	Seal the nose cone with Terostat MS9380.



Refer to AMM Section 34-43 for additional information.

6	Clean working areas, check for foreign objects.
7	Check all altered, replaced, repaired parts for proper function.
8	Test all systems in working area for function.
9	Make all necessary entries in the airplane logs.