

OPTIONAL SERVICE BULLETIN

OSB 42NG-050

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 42 NG
Serial numbers: 42.N100 through 42.N184

I.3 Date of effectivity

11-Feb-2015

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Installation of additional camlocs in the top cowlings.

ATA-Code: 71-10

I.6 Reason

Under certain conditions the upper cowlings can open a gap between the camlocs due to the inside pressure. This is only an optical issue but can be easily rectified. This Service Bulletin describes the installation of additional camlocs in the top cowlings to improve the cowling appearance in flight.

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 42-891, 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 42NG-050, latest effective issue.

I.10 Mass (Weight) and CG

No Change.

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

See WI-OSB 42NG-050, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 1 hour.

II.4 Credit

None.

II.5 Reference Documents

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
OSB 42NG-050**

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-OSB 42NG-050

I GENERAL INFORMATION

I.1 Subject

Installation of additional Camlocs in the cowlings.

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 that which is not especially described in this work instruction, must be done in accordance with the referenced maintenance manual.
- c) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

None

II.2 Special Tools

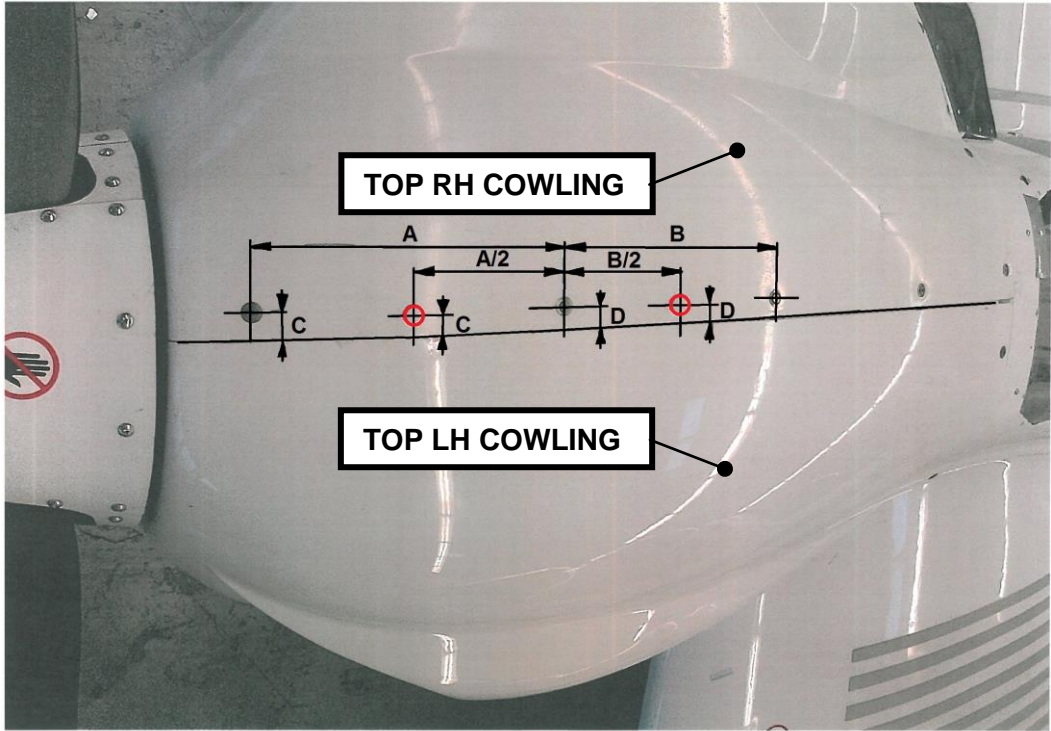
None.

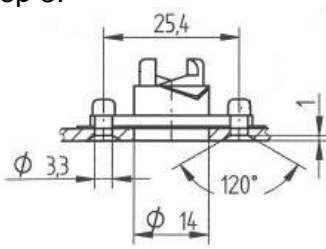
II.3 Material

Quantity	Part No.	Description
8	DIN 7337-B3.2x7.5-AI	Blind rivets
4	244-16G	Camloc latches
4	40S5-7D	Camloc bolts
4	R4G-2	Snap on retaining rings
4	4002-0-1	Grommets: flush mounting for panel

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	<p>Measure the distances between the available camlocs on LH and RH cowlings i.a.w. picture below.</p> 
2	<p>Mark the positions of the 4 additional camlocs (red circles) on the top cowlings refer to picture in step 1.</p>
3	<p>Drill 4 holes with a diameter of 4 mm and a depth of 10mm on the top cowlings refer to picture in step 1.</p>
4	<p>Remove the top LH and RH cowlings i.a.w. AMM Section 71-10.</p>
5	<p>Drill 4 holes with a diameter of 12 mm in the top RH cowlings, positioned through the marked 4 mm holes refer to step 3.</p>

6	<p>Drill the holes in the top LH cowlings i.a.w. picture below, positioned through the marked 4 mm holes refer to step 3.</p> 
7	<p>Install camloc latches 244-16G with blind rivets DIN 7337-B3.2x7.5-AI into the top LH cowlings i.a.w. picture in step 9.</p>
8	<p>Install the retaining rings R4G-2, grommets 4002-0-1 and camloc bolts 40S5-7D into the top RH cowlings.</p>
9	<p>Install the top LH and RH cowlings i.a.w. AMM Section 71-10.</p>
10	<p>Clean working area, check for foreign objects</p>
11	<p>Check all altered, replaced, repaired parts for proper function.</p>
12	<p>Test all systems in working area for function.</p>
13	<p>Make all necessary entries in the airplane logs.</p>