

OPTIONAL SERVICE BULLETIN

OSB 42-134/1

OSB 42NG-073/1

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 42, DA 42 NG
Serial numbers: 42.004 and subsequent
42.N001 and subsequent
42.AC001 and subsequent
42.NC001 and subsequent

I.3 Date of effectivity

18-Dec-2017

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Installation of Sun visors.

ATA-Code: 25-10

I.6 Reason

To increase the pilots comfort, sun visors have been approved. 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. OÄM 42-101, 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

Comply with WI-OSB 42-134, WI-OSB 42NG-073 latest effective issue.

I.10 Mass (Weight) and CG

Approximately 1.5 kg weight increase.

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

See WI-OSB 42-134, WI-OSB 42NG-073 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 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, 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 42-134/1
OSB 42NG-073/1**

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, SignPlease e-mail the completed form executionreports@diamond-air.at

WORK INSTRUCTION

WI-OSB 40-134

WI-OSB 42NG-073

I GENERAL INFORMATION

I.1 Subject

Installation of sun visors.

I.2 Reference Documents

DA 42 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

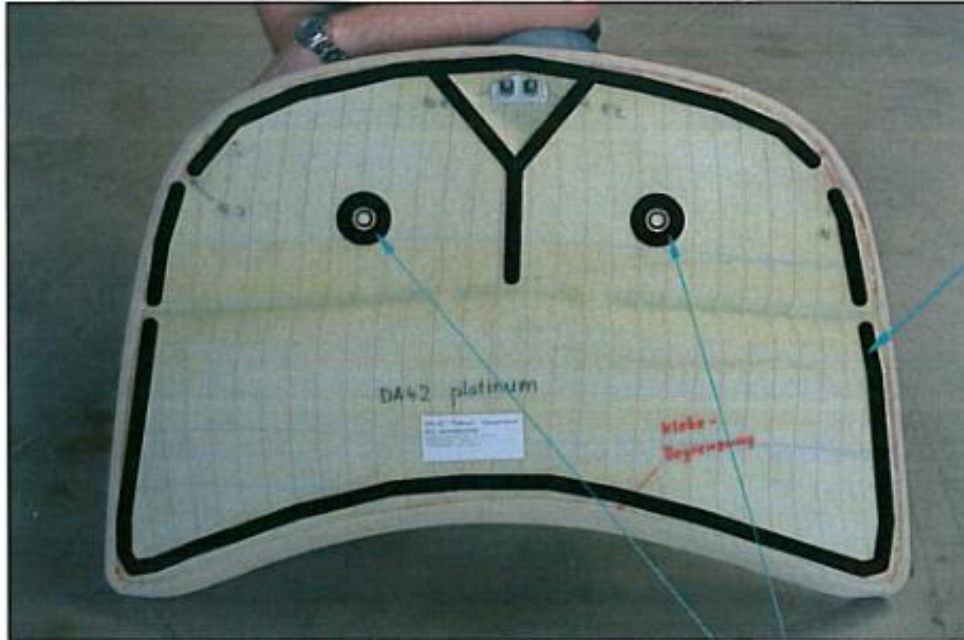
Quantity	Part Number	Description
1	D60-2510-70-00X04 or D60-2510-70-00X02	Tall canopy sky assy if OÄM 42-124 is installed or Normal canopy assy without OÄM 42-124
1	D60-2510-61-00X02 or 1960200-1	Sun Visor LH
1	D60-2510-62-00X02 or 1960200-2	Sun Visor RH
1	DAI-9052-00-12	Gas Spring Assy
1	MS9380_	Terostat
2	DIN 125-A8.4-PA	Washer
5 m	46_410_0_9_	Foam Tape

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Remove the Canopy i.a.w. AMM Section 52-10.
2	Replace canopy gas spring by DAI-9052-00-12.
3	Place the canopy upside down on suitable surface or trestle. Note Make sure that the canopy glass will not be scratched.
4	Clean the inside of the canopy glass from dust, debris and grease.

5 Place foam tape i.a.w. the picture.



6 Apply the Terostat MS 9380 adhesive evenly on the canopy sky.

7 Place the sky carefully on the canopy.
Position the sky ass approximately 10mm from the rear edge of the canopy and centered on the painted shade of the canopy.
Make sure that there is an even rim around the sky assy.



8	Lay flexible weights (such as sand bags or bags with lead shot) evenly distributed on the sky.
9	Let the adhesive cure for 24 hours.
10	Remove the weights.
11	Install the sun visors with a PA washer.
12	Secure the attachment screw of the sun visors with Loctite 262.
13	Install the Canopy i.a.w. AMM Section 52-10.
14	Remove the protective foil from the sun visors.
15	Clean working areas, check for foreign objects.
16	Check all altered, replaced, repaired parts for proper function.
17	Test all systems in working area for function.
18	Determine new empty weight and Center of Gravity.
19	Make all necessary entries in the airplane logs.