

# 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](mailto: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

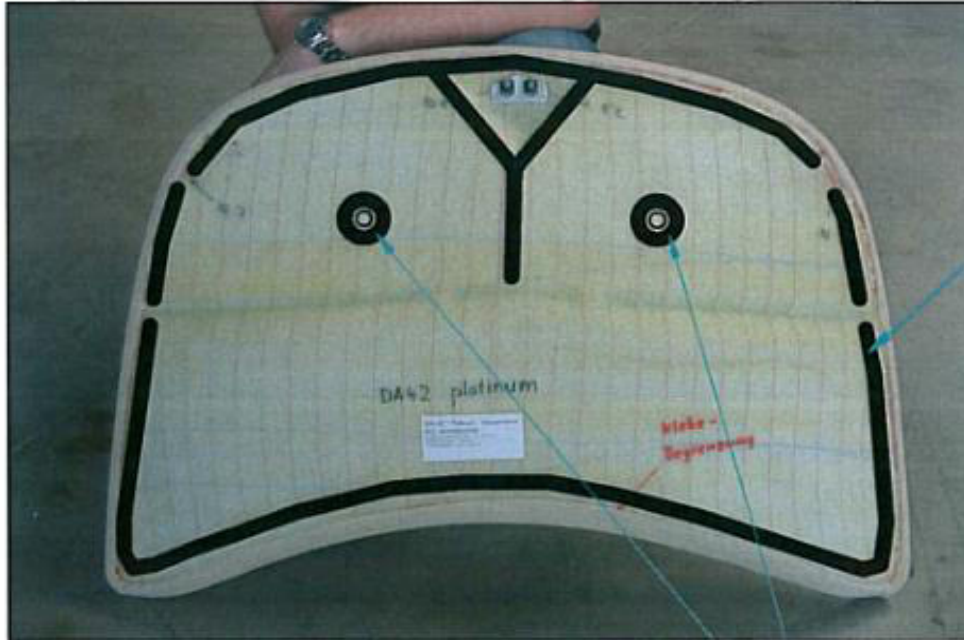
Quantity	Part Number	Description
1	D60-2510-70-00X04 or D60-2510-70-00X02	Tall canopy sky assy if OÄM 42-124 is installed or Normal canopy assy without OÄM 42-124
1	D60-2510-61-00X02 or 1960200-1	Sun Visor LH
1	D60-2510-62-00X02 or 1960200-2	Sun Visor RH
1	DAI-9052-00-12	Gas Spring Assy
1	MS9380_	Terostat
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 assembly 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 assembly.



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.