OPTIONAL SERVICE BULLETIN
OSB 62-006

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 62

Serial numbers: 62.007, 62.009 through 62.015,
62.017, 62.019 through 62.021

I.3 Date of effectivity

17-Jun-2016

I.4 Time of Compliance

At owner's discretion

I.5 Subject

Retrofit Installation of Sun Visors.

ATA-Code: 25-10

I.6 Reason

To reduce fatigue of the pilot's eyes due to sunlight the installation of sun visors for the pilot and copilot is now possible. This service Bulletin describes the retrofit installation for 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 62-022, 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 62-006, latest effective issue.

I.10 Mass (Weight) and CG

Mass (Weight) and CG affected.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 62-006, latest effective issue.

II.2 Special Tools

See WI-OSB 62-006, latest effective issue.

II.3 Labour Effort

Approx. 8 hours.

II.4 Credit

None.

II.5 Reference Documents

DA 62 Airplane Maintenance Manual, Doc. No. 7.02.25, 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 62-006

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, Sign

Please fax the completed form to Fax No. +43-2622-26700-1369 or e-mail to airworthiness@diamond-air.at

WORK INSTRUCTION

WI-OSB 62-006

I GENERAL INFORMATION

I.1 Subject

Sun Visor Retrofit.

I.2 Reference Documents

DA 62 Airplane Maintenance Manual, Doc. No. 7.02.25, 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

D67-2510-60-00_02
D67-2510-61-02_01

II.2 Special Tools

Template D67-2510-60-00_02BV1

II.3 Material

Quantity	Part Number	Description
2	D67-9025-30-00	Lens Assembly, DA 62
6	DIN965 AM4x16-B-A2	Screw, Recessed Countersunk Flat Head
2	DS CI4-1-030	Carbon Insert
2	DS CI3-3-050-050	Carbon Insert
6	D67-9053-11-01	Threaded Insert
1	D67-2510-61-02_1	Sun Visor Attachment Bracket
2	BN90304-M5R	Nut Rivet
2	ISO 14583-M5x16 Torx	Button Head Srew
2	007 2050 599 01	Rosette ring M5
2	102 188	Static mixer
1	101970	Plexus MA-300m 50ml

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Remove the magnetic compass (Fig. 1 item 1) i.a.w. AMM section 34-20.
2	Remove the central headliner unit (Fig. 1 item 2) from the ceiling frame (Fig.2item5).
3	Remove the ceiling frame cover 1 (Fig. 2 item 7).

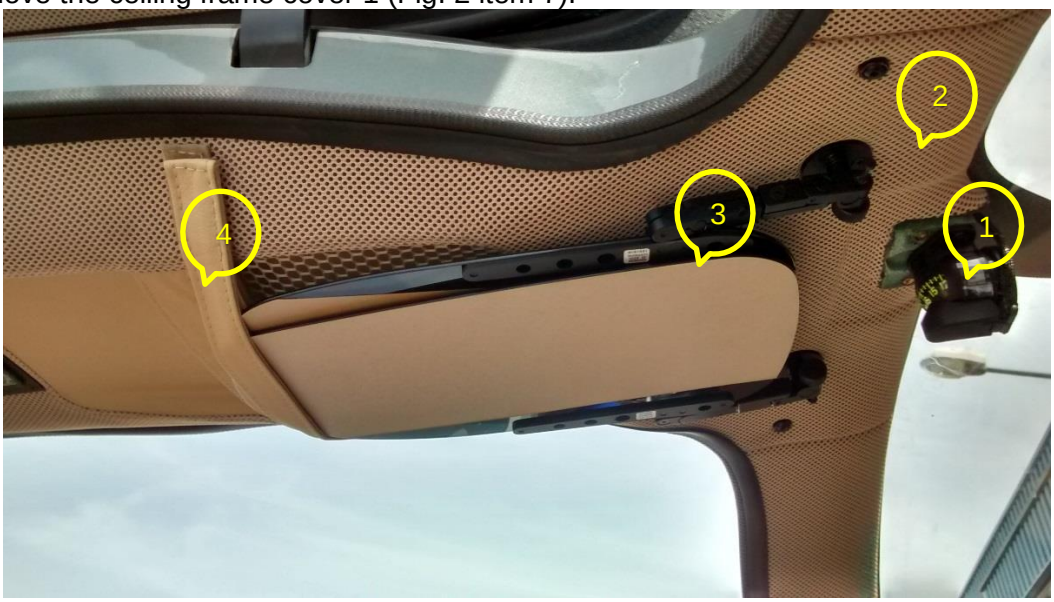


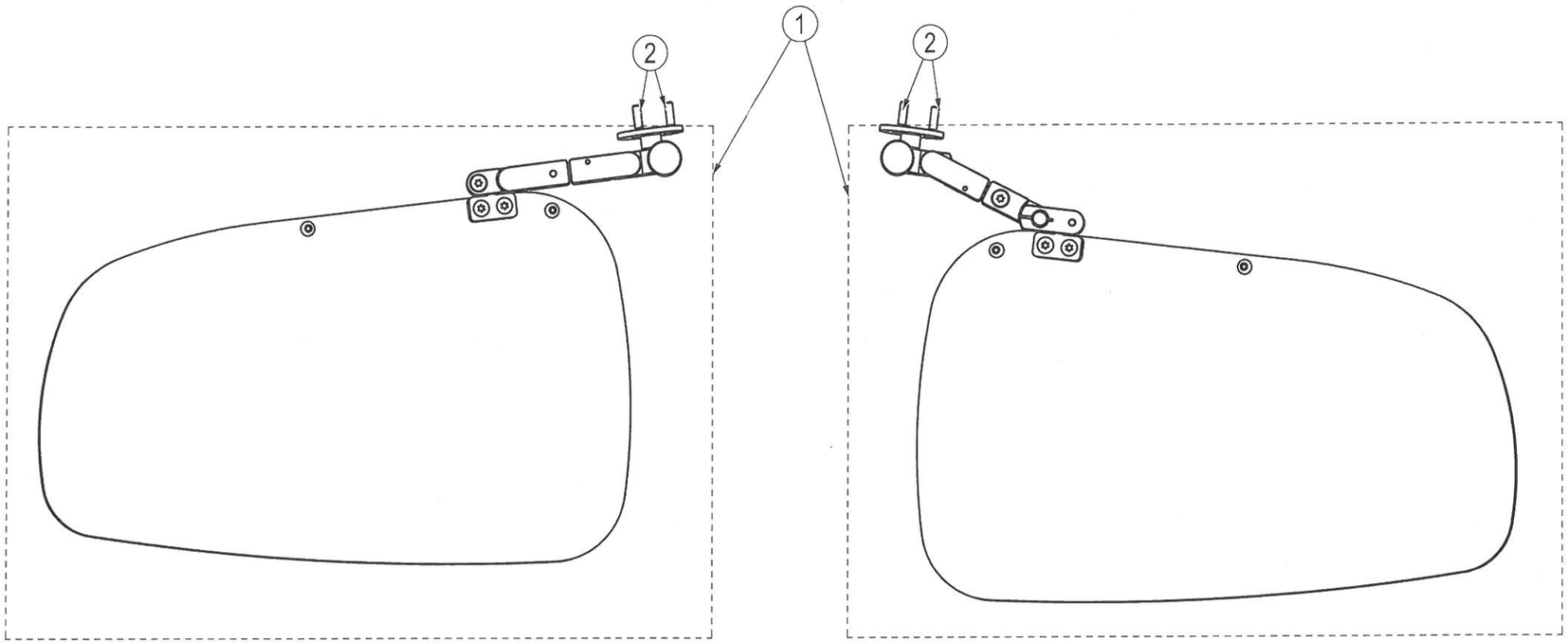
Figure 1

	 Figure 2
4	Install Template D67-2510-60-00_02BV1 (Fig. 3 item 8) on the compass attachment bracket (Fig. 2 item 6).  Figure 3
5	Drill the 4 mm holes i.a.w. the template into the ceiling frame.
6	Remove the template.
7	Prepare 2 insert DS CI3-3-050-050. • Drill the 3 holes according to the template. • Drill out the holes to 5.8 mm. • Bond the threaded insert D67-9053-11-01 with Plexus MA-300 into the DSC13-3-050-050 insert.

8	Prepare the bonding surface on the ceiling frame and on the inserts. • Sand and clean the bonding area.
9	Bond the LH and RH insert in to the ceiling frame with plexus MA-300 and fix it with 3 bolts to the ceiling frame. Cure for at least 30 minutes.
10	Install the sun visor attachment bracket (Fig. 1 Nr. 4) to the central headliner unit. • Pre-fit the attachment bracket according to drawing D67-2510-61-02_01, position acc. to flag note 2. • Mark the position on the cushion and use a soldering iron to make the holes into the cushion. • Drill two 4 mm holes into the central headliner unit.
11	Prepare the bonding surface on the ceiling frame and on carbon inserts DS CI4-1-030 for bonding.
12	Bond carbon inserts DS CI4-1-030 concentrically to the two holes in the central headliner unit from the rear side with Plexus MA-300. Cure for at least 30 minutes.
13	Drill two 7 mm holes through the central headliner unit and the carbon inserts. Install BN 90304-M5R rivet nut.
14	Install the sun visor attachment bracket on the central headliner unit according to drawing D67-2510-61-02_01.
15	Pre-fit the central headliner unit to the Ceiling frame.
16	Install template D67-2510-60-00_02BV1 on the compass attachment. Mark the position on the cushion and use a soldering iron to make the hole in to the cushion. Drill the holes according to the template. Remove the template from the compass attachment.
17	Install ceiling frame cover 1.
18	Install the central headliner unit on to the ceiling frame.
19	Install the sun visor i.a.w. drawing D67-2510-60-00_02.
20	Check and adjust the friction of the sun visor hinges by torqueing the bolts.
21	Install the magnetic compass i.a.w. AMM section 34-20.
22	Test and adjust the magnetic compass i.a.w. AMM section 34-20
23	Determine the new empty weight and CG and record it in AFM section 6. **Note:** The Sun Visor weighs 0,85kg [1.9lb] with a lever arm of 1.88m [74 in]. Calculate the empty weight and CG i.a.w. AFM section 6 and AMM Section 08-10. Alternatively weight the airplane i.a.w. AMM Section 08-10.
24	Clean working areas, check for foreign objects.
25	Check all altered, replaced, repaired parts for proper function.
26	Test all systems in working area for function.
27	Make all necessary entries in the airplane logs.

Confidential

REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
A	ALL	ALL	OÄM 62-022, FIRST RELEASE	21-MAR-2016



GENERAL NOTES

1. FOR DIMENSIONS NOT SHOWN ON DRAWING REFER TO CAD FILE

2. FOR POSITIONING AND INSTALLATION OF MOUNTING POINTS SEE D67-5315-03-00_03

3. PROCEDURE FOR INSTALLATION:
   - GREASE ALL MOVABLE CONNECTIONS WITH MOLYCOTE FB 180

   - SECURE SCREWED CONNECTIONS PER DP-S-14-00005 USING MATERIAL PER DM-S-02-00005 CLASS 1 TYPE 2 GRADE 2

   - TORQUE OF HINGES (greased): 1,5 NM

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL TYPE	H.T.	MATERIAL SIZE	SPECIFICATION	REMARK
2	6	DIN 965 AM4X16-B-A2	SCREW, RECESSED COUNTERSUNK FLAT HEAD					
1	2	D67-9025-30-00	LENS ASSEMBLY, DA62					ROSEN: 1962000

DIMENSIONS **METRIC**

FIRST ANGLE PROJECTION

FORMAT **A3**

IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO **ISO 2768-m**

DIMENSIONS IN **mm**

FINISH IN **µm**

IDENTIFICATION MARKINGS **DP-S-17-00001**

CLASSIFICATION: **NONE**

INTERCHANGEABLE PART **NO**

THIS DRAWING WAS PRODUCED USING SOFTWARE: CATIA V5R20

FILENAME **D67-2510-60-00_02A.CATProduct**

Diamond AIRCRAFT Industries GmbH — Diamond Aircraft Industries
N. A. Otto-Straße 5
A-2700 Wiener Neustadt

	NAME / SIGN / DATE
DRAWN:	M. Wolf 22 MAR 16
CHECKED:	M. Volck 25 MAR 16
RELEASED:	D. Bausek 28 MAR 16

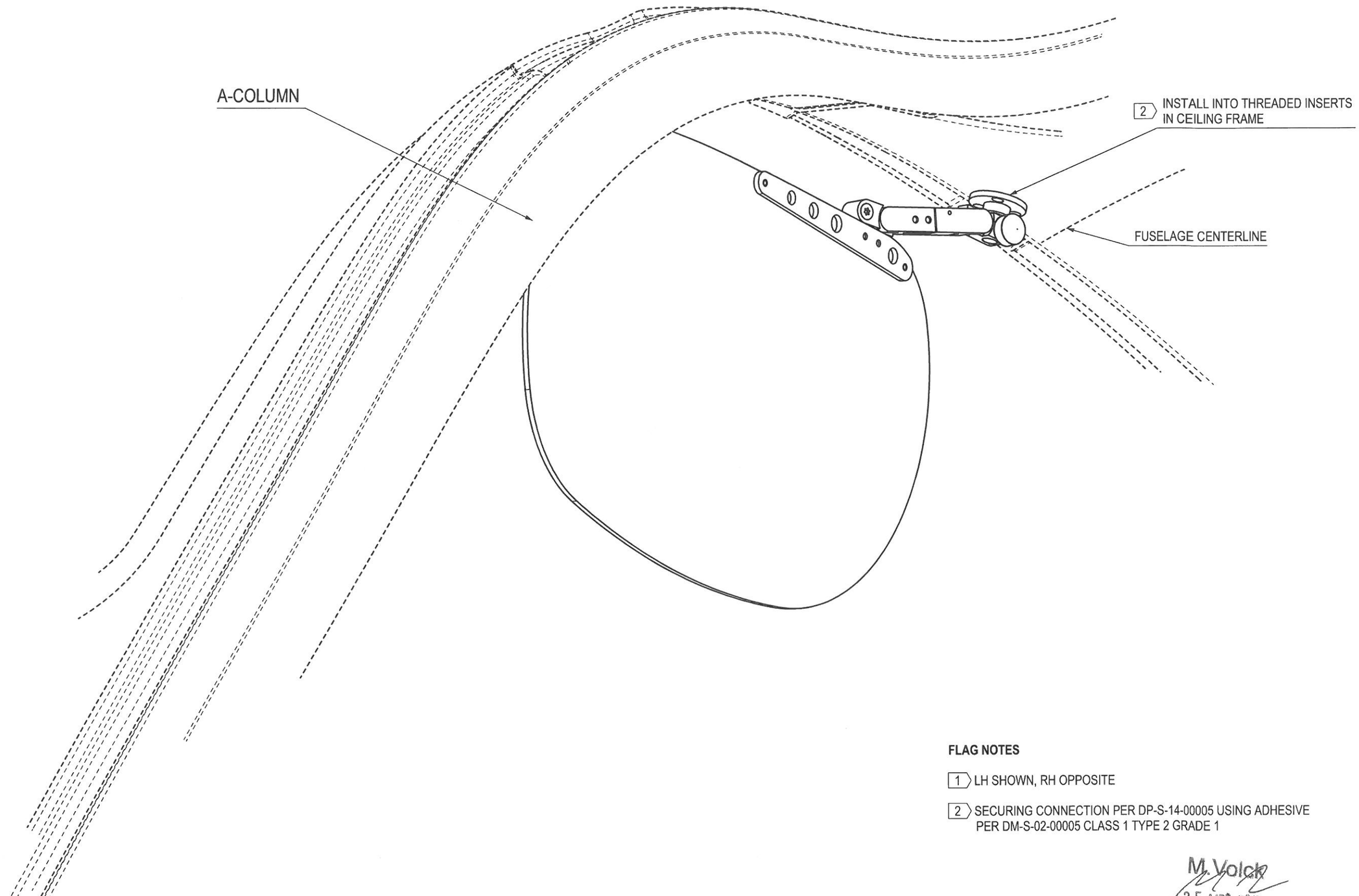
PROJECT **DA 62**

TITLE
SUN VISOR INSTALLATION

DWG.ORIG.	DWG. NO.	REV
DAIA	**D67-2510-60-00_02**	**A**

CODE **710197** SCALE **NTS** SH **01** OF **02**

Confidential



FLAG NOTES

1 LH SHOWN, RH OPPOSITE

2 SECURING CONNECTION PER DP-S-14-00005 USING ADHESIVE PER DM-S-02-00005 CLASS 1 TYPE 2 GRADE 1

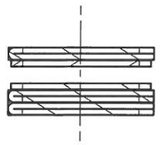
M. Volck
25. MRZ. 2016

Diamond AIRCRAFT Industries GmbH	PROJECT **DA 62**	TITLE **SUN VISOR INSTALLATION**	DWG.ORIG. DAIA	DWG. NO. **D67-2510-60-00_02**	REV **A**
Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt			CODE **710197**	SCALE **NTS**	SH **02** OF **02**

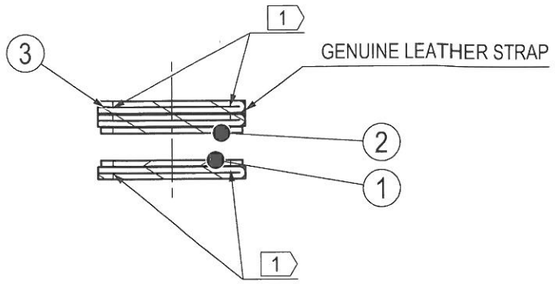
Confidential

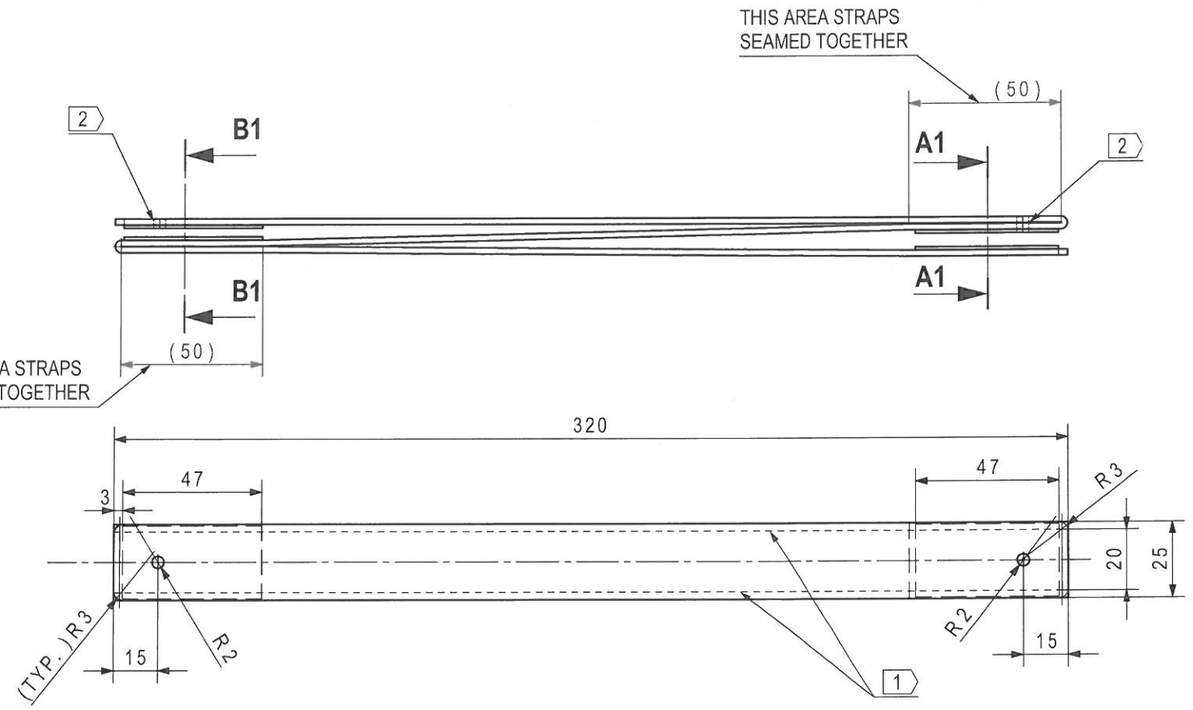
REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
-	01	ALL	OÄM 62-022/a NEW DRAWING. SUPERSEDES DRAWING D67-2510-61-02.	06-APR-2016

SECTION B1 - B1
SCALE 1:1

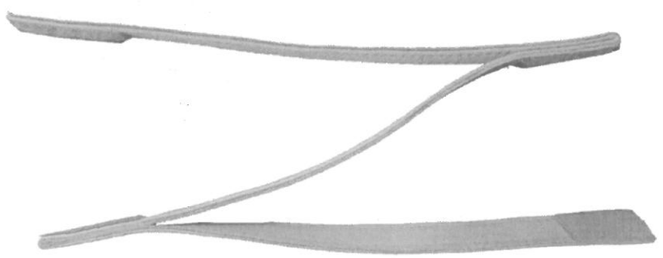


SECTION A1 - A1
SCALE 1:1





PERSPECTIVE VIEW
N.T.S.
(FOR REFERENCE ONLY)



FLAG NOTES

1 SEAMED

2 DRILLING HOLES ONLY THROUGH UPPER LEATHER STRAPS

GENERAL NOTES

1. FOR TOP MATERIALS AND CORRESPONDING COLORS REFER TO DRAWING D67-9025-00-00_02

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL TYPE	CLASS	TYPE	STYLE	REMARK
3	1		POLYCARBONAT STIFFENER		CARRIER MATERIAL	1	C	FA.EVONIK -RÖHM
2	2		HOOK & LOOP TAPE (LOOP PART)		MOUNTING MATERIAL	1	C	
1	2		HOOK & LOOP TAPE (HOOK PART)		MOUNTING MATERIAL	2	C	

DIMENSIONS **METRIC**

FIRST ANGLE PROJECTION

FORMAT **A3**

IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO **ISO 2768-C**

DIMENSIONS IN **mm**

FINISH IN **µm**

IDENTIFICATION MARKINGS **DP-S-17-00001**

B / -

CLASSIFICATION: **NONE**

INTERCHANGEABLE PART **YES**

THIS DRAWING WAS PRODUCED USING SOFTWARE: CATIA V5R20

FILENAME **D67-2510-61-02_01.CATPart**

Diamond AIRCRAFT IndustriesGmbH

Diamond Aircraft Industries
N. A. Otto-Straße 5
A-2700 Wiener Neustadt

NAME / SIGN / DATE		
DRAWN:	H. Auer 06 APR 16	
CHECKED:	M. Volck 11. APR. 2016	
RELEASED:	D. Bayisek 7 APR 16	

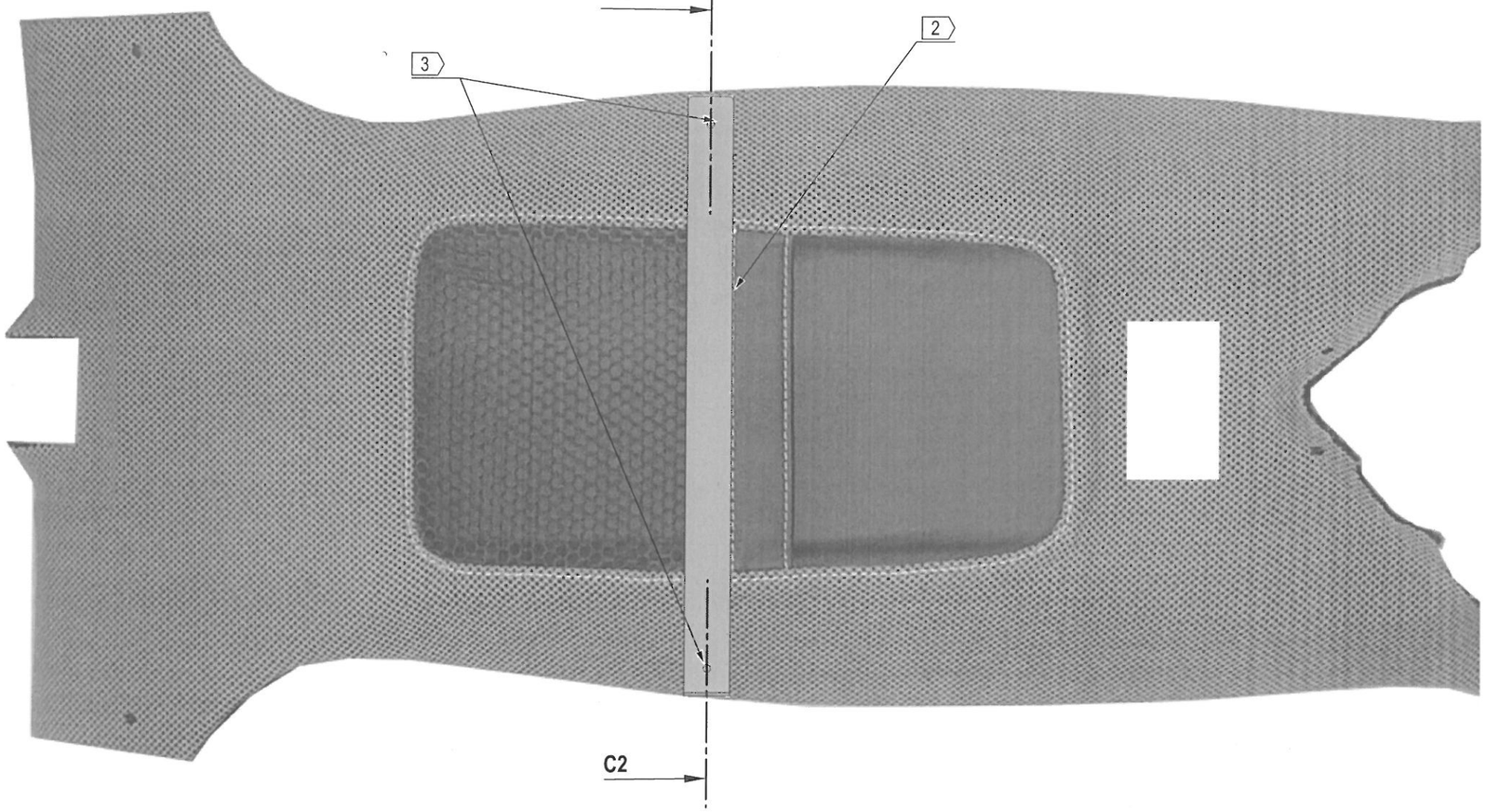
PROJECT **DA 62**

TITLE
SUN VISOR ATTACHMENT BRACKET

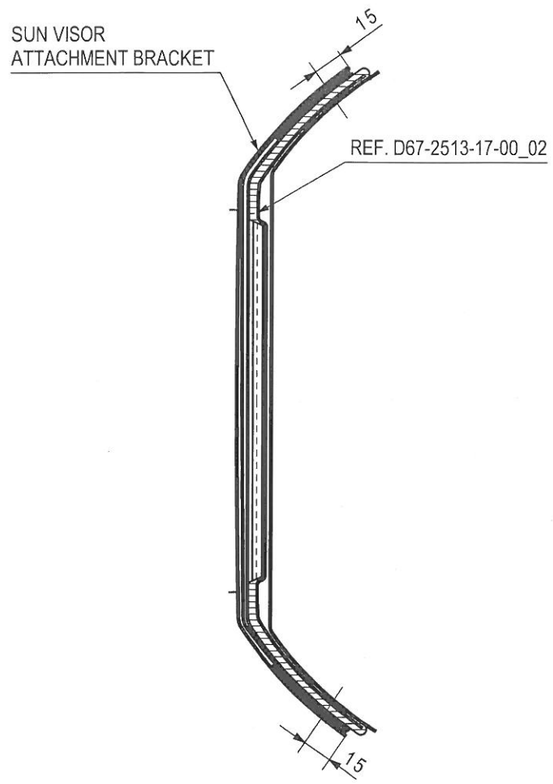
DWG.ORIG.	DWG. NO.	REV
DAIA	**D67-2510-61-02_01**	-

CODE **710197** SCALE **NTS** SH **01** OF **02**

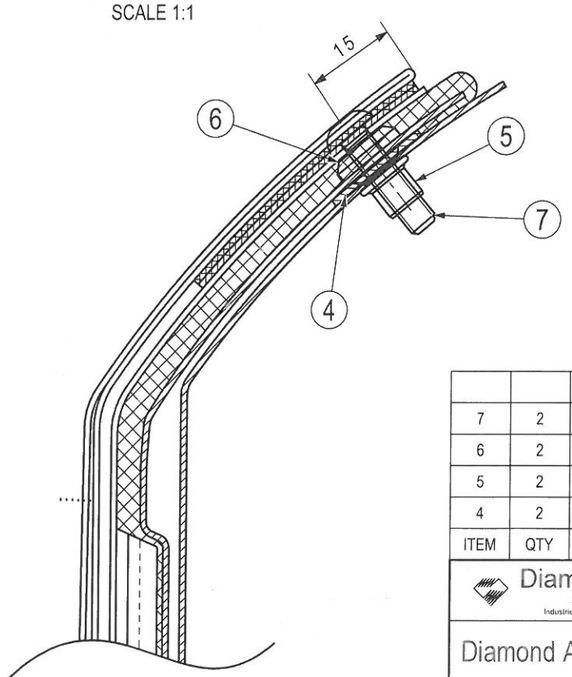
Confidential



SECTION C2 - C2
N.T.S.



DETAIL VIEW D2
SCALE 1:1



2 MOUNT LEATHER BRACKET CONTIGUOUS AND PARALLEL TO BAG BRACKET

3 DRILL HOLES DURING INSTALLATION

M. Volck
11. APR. 7[illegible]

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL TYPE	H.T.	MATERIAL SIZE	SPECIFICATION	REMARK
7	2	ISO 14583-M5x16 TORX	BUTTON HEAD SCREW				COLOR: BLACK	
6	2	007 2050 599 01	ROSETTE RING, M5				SUPPLIER : FA.SKIFFY	
5	2	BN90304-M5R	NUT RIVET, BM40171, SKH5					FA.KVT
4	2	DS CI4-1-030	CARBON INSERT					

Diamond AIRCRAFT Industries GmbH

PROJECT **DA 62**

Diamond Aircraft Industries
N. A. Otto-Straße 5
A-2700 Wiener Neustadt

TITLE **SUN VISOR ATTACHMENT BRACKET**

DWG.ORIG. DAIA

DWG. NO. **D67-2510-61-02_01**

REV -

CODE **710197** SCALE **NTS** SH **02** OF **02**