

OPTIONAL SERVICE BULLETIN OSB 62-005

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 62
Serial numbers: 62.007 and subsequent

I.3 Date of effectivity

04-Apr-2016

I.4 Time of Compliance

At owner's discretion

I.5 Subject

Installation of additional "Lemo" headset jacks.

I.6 Reason

To provide the availability to connect either headsets with common (PJ) connectors or headsets with "Lemo" connector additional "Lemo" headset jacks can be installed via this Service Bulletin.

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 62-026, 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 62-005, latest effective issue.

I.10 Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 62-005, latest effective issue.

II.2 Special Tools

None.

II.3 Labour Effort

Approx. 20 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 62-005

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, 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 62-005

I GENERAL INFORMATION

I.1 Subject

Installation of additional 6-pin "Lemo" headset jacks.

I.2 Reference Documents

DA 62 Series Airplane Maintenance Manual, Doc. No. 7.02.25, latest effective issue.
AC 43.13-1B Acceptable methods, techniques and practices, aircraft inspection and repair.

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) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

D67-9223-50-02 rev. "-"
D67-5710-87-00X03 rev. "-"
D67-1130-20-00_03 rev. "-"

II.2 Special Tools

None.

II.3 Material

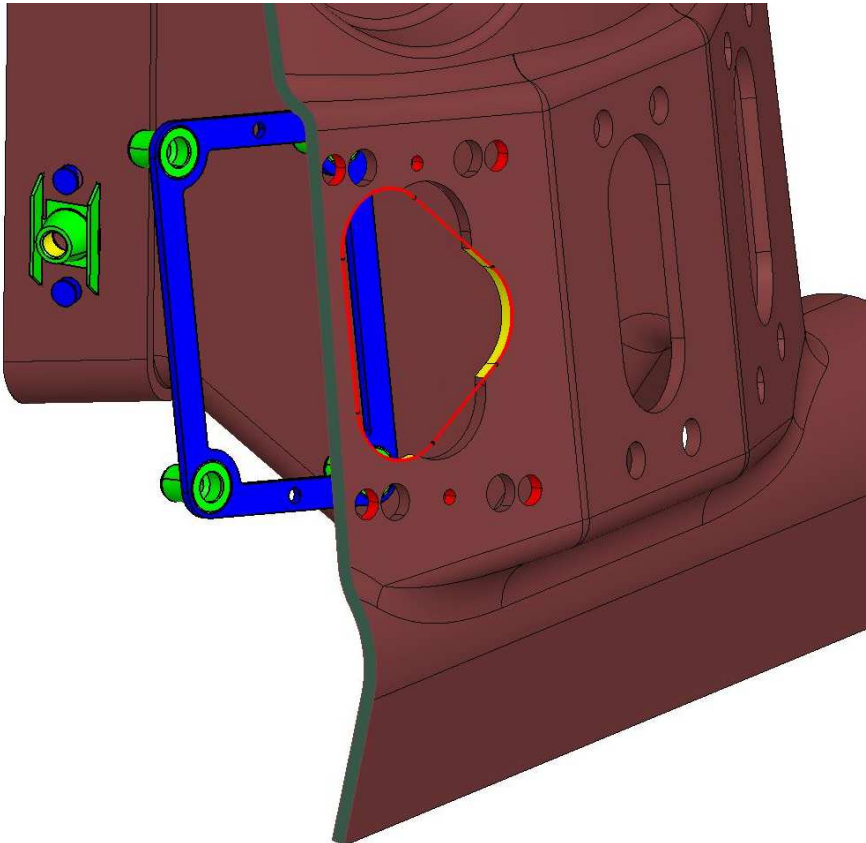
Qty	Part Number	Description
1	D67-1133-10-01X02	Placard Common Headset Jacks, Lemo LH
1	D67-1133-10-02X02	Placard Common Headset Jacks, Lemo RH
1	D67-1133-10-03X02	Placard Common Headset Jacks, Lemo Center
1	D67-1133-10-11	Placard Common Headset Lemo, Middle Armrest LH
1	D67-1133-10-12	Placard Common Headset Lemo, Middle Armrest RH

Qty	Part Number	Description
a.r.	FT500-320	Heat Shrink Tube 3,2
a.r.	FT500-640	Heat Shrink Tube 6,4
5	323172-0010	Bose Connector Kit
If Passenger Seats Row 2 (7-Seat-Configuration) OÄM 62-019 or Provision for 7-Seat-Configuration is installed OÄM 62-034.		
1	D67-1133-10-09x01	Placard Common Headset Jacks 2nd Pax LH
1	D67-1133-10-10x01	Placard Common Headset Jacks 2nd Pax RH
2	323172-0010	Bose Connector Kit
Additionally required for serial numbers 62.007 – 62.015		
1	D67-1133-10-01-SB	Adapter Frame LH
1	D67-1133-10-02-SB	Adapter Frame RH
1	D67-1133-10-03-SB	Adapter Frame Middle
12	UM-4-R	Rivet Nut
6	DIN 7337-B2.4x8.5	Blind Rivet

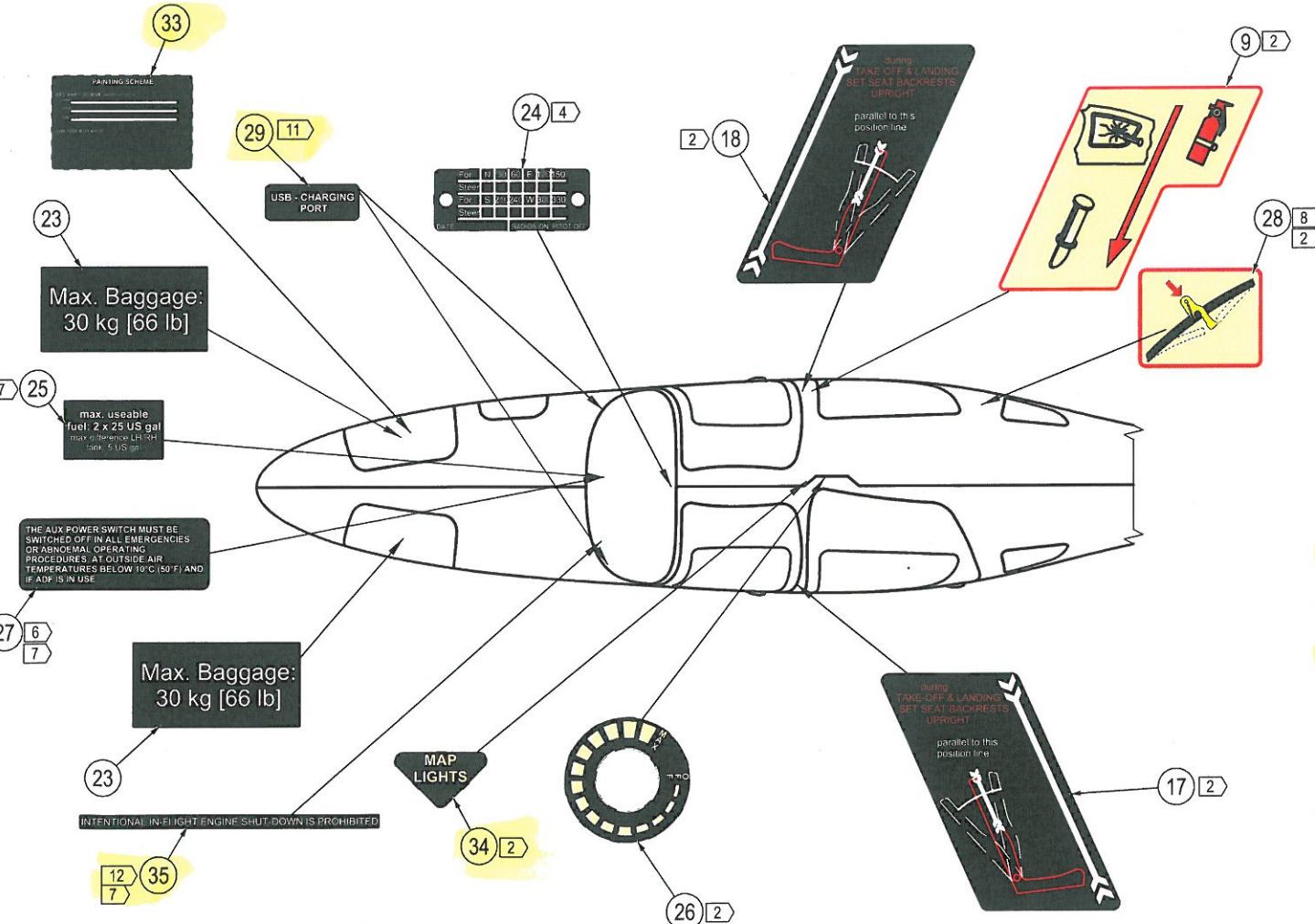
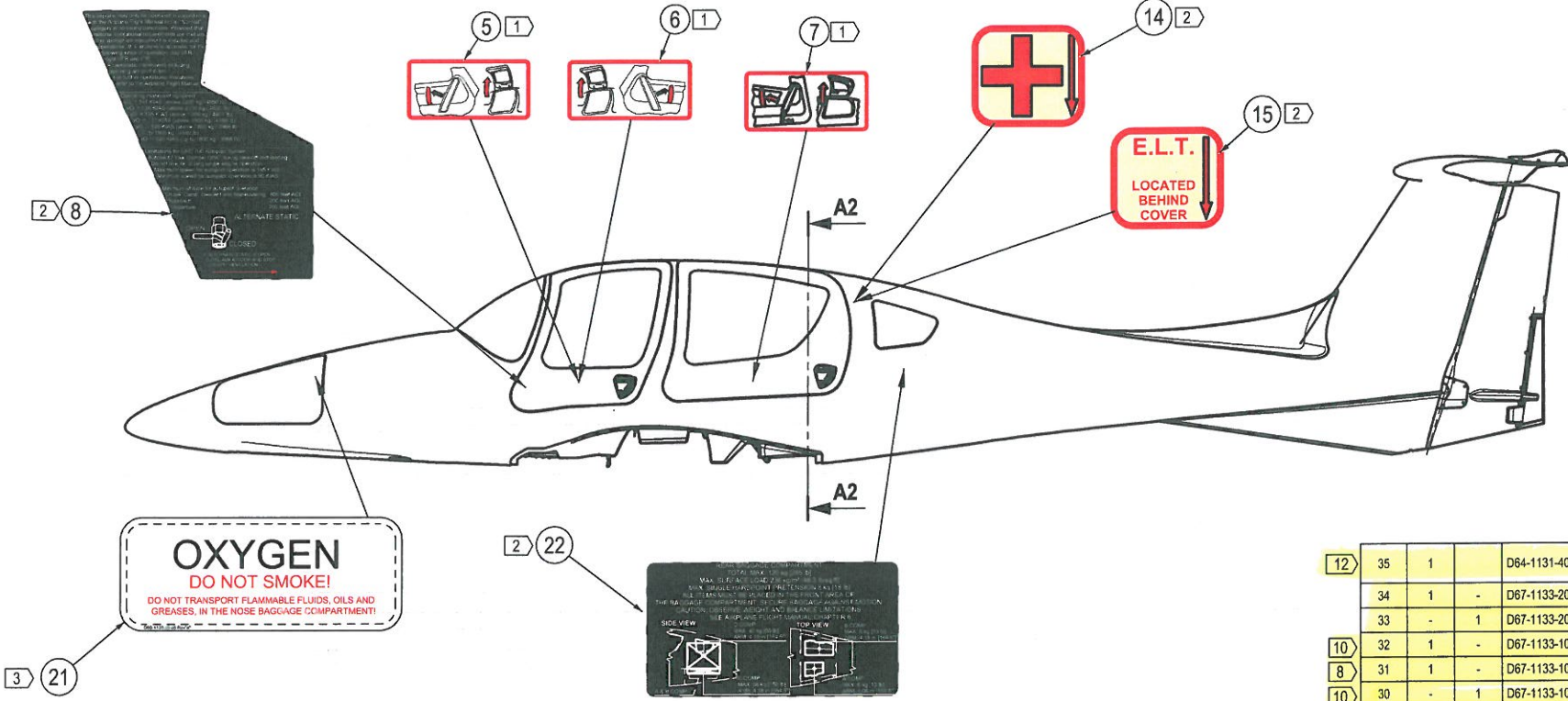
Material including drawings is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Disconnect the airplane main battery.
2	Remove the Rear Center Console Panel LH and RH.
3	Remove the Pilot's and Co-Pilot's seats.
4	Remove the pilot, copilot and rear passenger Placard Common Headset from the Console Center Tunnel Front. If a passenger seat row 2 is installed, remove the Placard Common Headset from the Outboard Trim Panels LH and RH.
5	Prepare the Console Center Tunnel Front i.a.w. drawing D67-5710-87-00X03.
6	Where applicable, replace the installed placards with the new placards for the common headset jacks and Lemo headset jacks. Install the headset jacks into the Placards.
7	Solder Bose Connector Kit 323172-0010 to existing headset jacks according drawing D67-9223-50-02. Apply head shrink tube at all connections.

8	<p>For airplanes serial number 62.007 through 62.015. Install the middle, LH and RH pax placard with adapter frames D67-1133-10-01-SB, D67-1133-10-02-SB and D67-1133-10-03-SB i.a.w. picture below.</p>  <p>Note: The the cut out with red mark is the reworked version.</p> <p>Install the rivet nut UM-4-R to all adapter frames. Install the adapter frames with two blind rivets DIN 7337-B2.4x8.5 on the center console.</p>
9	Install all placards i.a.w. drawing D67-1130-20-00_03.
10	Install the pilot's and Co-Pilot's seats.
11	Install the Rear Center Console Panel LH and RH.
12	Connect the airplane main battery.
13	Clean working areas, check for foreign objects.
14	Check all altered, replaced, repaired parts for proper function.
15	Test all systems in working area for function.
16	Make all necessary entries in the airplane logs.

REVISION				DATE
REV	SH	ZONE	DESCRIPTION	
-	01	ALL	MAM 62-102	23-NOV-2015
-	02	BOM	NEW DRAWING, SUPERSEDES D67-1130-20-00_02	
-	03	ALL	ITEM 1a, 2a, 3a AND 29-35 ADDED FLAG NOTES 9-12 ADDED FLAG NOTE 15 ADDED	



PRINT IN COLOUR

FLAG NOTES

- 1 INSIDE DOOR BEHIND DOOR LOCK LEVER
- 2 PLACE PLACARDS ON ALLOCATED PLACE ON PANEL SEE DRAWINGS OF INTERIOR PANELS FOR POSITIONING
- 3 STICK ON OXYGEN REFILL COVER, INSTALL ITEM ONLY IF OAM 62-004 (OXYGEN SYSTEM) IS APPLIED
- 4 PLACE PLACARD ABOVE COMPASS
- 5 INSTALL ITEM ONLY IF OAM 62-001 (AUX FUEL TANK INSTALLATION) IS APPLIED
- 6 INSTALL ITEM ONLY IF OAM 62-005 (RACC) IS APPLIED
- 7 PLACE PLACARD AS SHOWN IN D67-1131-21-00 REFER TO THE LAST VALID REVISION
- 8 INSTALL ITEM ONLY IF OAM 62-019 (7 SEATED CONFIGURATION) IS APPLIED
- 9 INSTALL ITEM ONLY IF OAM 62-027 (USB CHARGING PORT FOR PAX 1 ROW) IS APPLIED
- 10 INSTALL ITEM ONLY IF OAM 62-026 (ADDITIONAL 6-PIN HEADSET CONNECTORS) IS APPLIED
- 11 INSTALL ITEM ONLY IF OAM 62-017 (USB CHARGING PORT) IS APPLIED
- 12 INSTALL ITEM ONLY IF OAM 62-030 (REMOVAL OF PROPELLER UNFEATHERING SYSTEM) IS APPLIED

ITEM	QTYL	QTYR	PART NUMBER	DESCRIPTION	MATERIAL TYPE	H.T.	MATERIAL SIZE	SPECIFICATION	REMARK
12	35	1	D64-1131-40-01	LIMITATION PLACARD, REMOVAL UNFEATHERING ACCUMULATOR					
	34	1	D67-1133-20-36	PLACARD - MAP LIGHT					
	33	-	1	D67-1133-20-35	PLACARD - PAINTING SCHEME				
10	32	1	D67-1133-10-11	PLACARD COMMON HEADSET LEMO, MIDDLE ARMREST, LH, LH					
8	31	1	D67-1133-10-13	PLACARD 7-SEATED SWITCH					
10	30	-	1	D67-1133-10-12	PLACARD COMMON HEADSET LEMO, MIDDLE ARMREST, RH, RH				
	29	3	-	D67-1133-20-34	PLACARD - USB CHARGING PORT				
8	28	-	1	D67-1133-20-33	BELT CUTTER PLACARD				
6	27	1	-	D67-1131-22-02	LIMITATION PLACARD, AUX POWER SWITCH				
	26	1	-	D67-1133-20-29	PLACARD - DIMMING SWITCH				
5	25a	OPT.	-	D67-1131-22-01	PLACARD - FUEL INDICATOR AUX TANK				
	25	1	-	D60-1131-20-27	PLACARD FUEL INDICATOR				
	24	1	-	D67-1133-20-23	PLACARD - DEVIATIONABLE COMPASS				
	23	1	1	D60-1133-20-23	PLACARD BAGGAGE FRONT				
8	22a	OPT.	-	D67-1133-20-19X01	PLACARD - BAGGAGE COMPARTMENT, 2nd PAX				
	22	1	-	D67-1133-20-19_01	PLACARD - BAGGAGE COMPARTMENT				
	21	1	-	D60-1133-20-55	OXYGEN PLACARD NOSE				
	20	22	-	ISO 7046 - M4 x 12 - A2 - H	SCREW, COUNTERSUNK, CROSS RECESS				
	19	18	-	300136644	BLIND RIVET NUT (M4-20 RFK A2)				KVT
	18	-	1	D67-1133-20-56	PLACARD - ADJUSTABLE SEAT POSITION RH				
	17	1	-	D67-1133-20-55	PLACARD - ADJUSTABLE SEAT POSITION LH				
	16	-	1	D60-1130-20-50	PLACARD HYDRAULIC FLUID				
	15	1	-	D67-1133-20-22	PLACARD - ELT				
	14	-	1	D67-1133-20-21	PLACARD - FIRST AID				
	13	-	1	D67-1133-20-18	PLACARD - ALTERNATE AIR, ON				
	12	-	1	D67-1133-20-17	PLACARD - ALTERNATE AIR				
	11	1	-	D67-1133-20-32_01	PLACARD - LANDING GEAR EMERGENCY EXTENSION				
	10	1	-	D67-1133-20-25_01	1st PAX SEAT ROW EMERGENCY RELEASE				
	9	-	1	D67-1133-20-20_01	FIRE EXTINGUISHER AND EGRESS HAMMER PLACARD				
	8	1	-	D67-1133-20-04_02	PLACARD - LIMITATIONS AND ALTERNATE STATIC				
	7	1	-	D67-1134-10-07_01	PAX DOOR HANDLE-INTERNAL PLACARD				
	6	-	1	D67-1134-10-05	CO-PILOT DOOR HANDLE-INTERNAL PLACARD				
	5	1	-	D67-1133-10-05	PILOT DOOR HANDLE-INTERNAL PLACARD				
	4	1	-	D67-1133-10-04_01	PLACARD COMMON HEADSET JACKS PILOT/COPILOT, MIDDLE ARMREST				
10	3a	OPT.	-	D67-1133-10-03_X02	PLACARD COMMON HEADSET JACKS, LEMO, CENTER				
	3	1	-	D67-1133-10-03_01	PLACARD COMMON HEADSET JACKS CENTER				
10	2a	-	OPT.	D67-1133-10-02_X02	PLACARD COMMON HEADSET JACKS, LEMO, RH				
	2	-	1	D67-1133-10-02_01	PLACARD COMMON HEADSET JACKS, RH				
10	1a	OPT.	-	D67-1133-10-01_X02	PLACARD COMMON HEADSET JACKS, LEMO, LH				
	1	1	-	D67-1133-10-01_01	PLACARD COMMON HEADSET JACKS, LH				

DIMENSIONS
FIRST ANGLE PROJECTION
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-c
DIMENSIONS IN mm

METRIC
FORMAT
A2
FINISH IN
µm

IDENTIFICATION MARKINGS
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CLASSIFICATION:
NONE
INTERCHANGEABLE PART
YES
THIS DRAWING WAS PRODUCED USING
SOFTWARE: CATIA V5R20
FILENAME
D67-1130-20-00_03.CATProduct

Diamond Aircraft Industries
NAME / SIGN / DATE
L. Helm
23 NOV 2015
J. Sveda
26 NOV 2015
G. Sveda
26 NOV 2015

PROJECT
DA 62
TITLE
PLACARDS - INTERIOR
DWG. ORIG.
DAIA
DWG. NO.
D67-1130-20-00_03
REV
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CODE
710197
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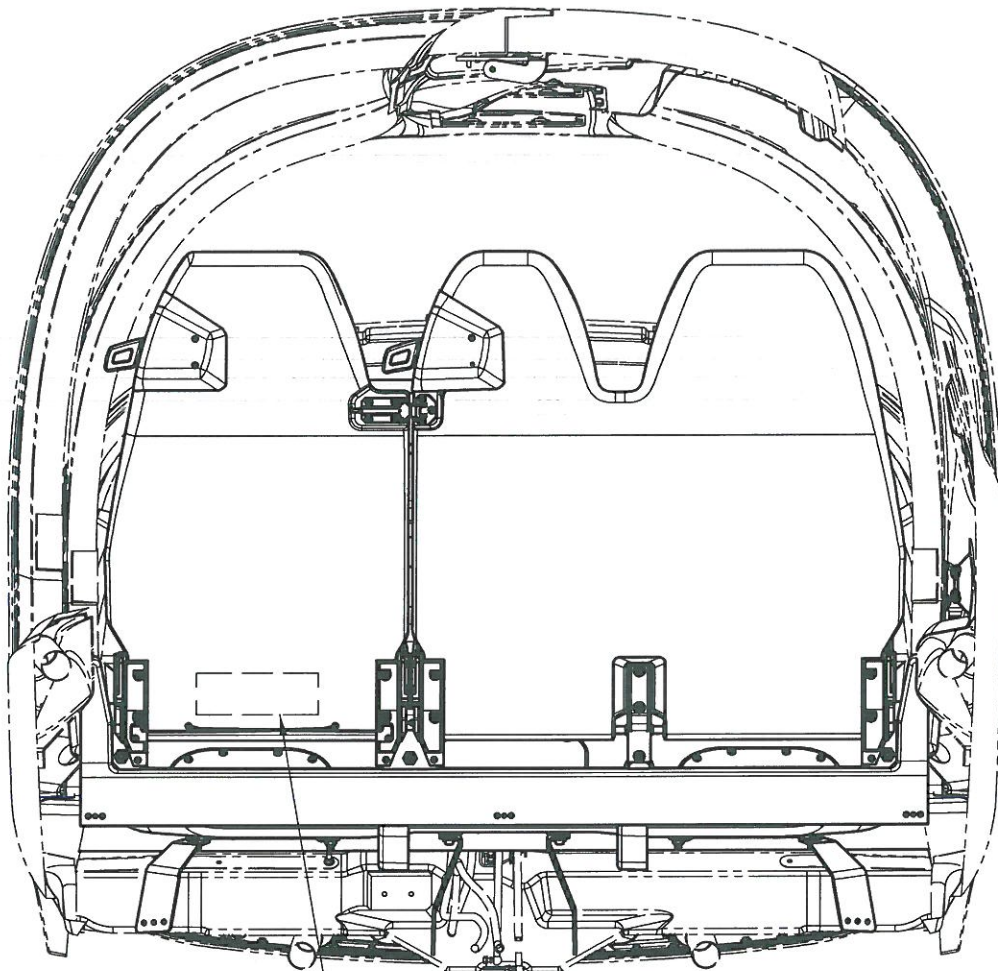
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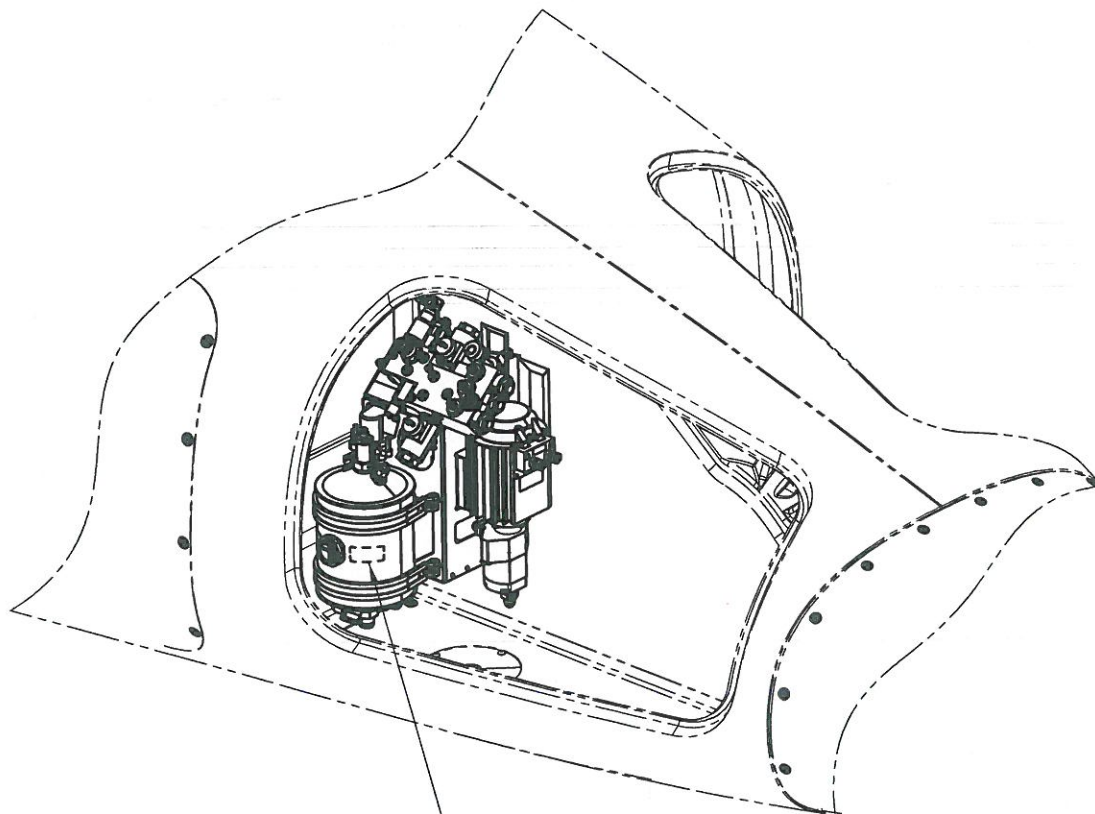
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SECTION A2-A2
N.T.S.



10 14



Hydraulic Fluid
AeroShell Fluid 41
AMG-10
CAUTION: Mixing of different fluid-types is not permitted!
Refer to AMM for refilling or fluid change

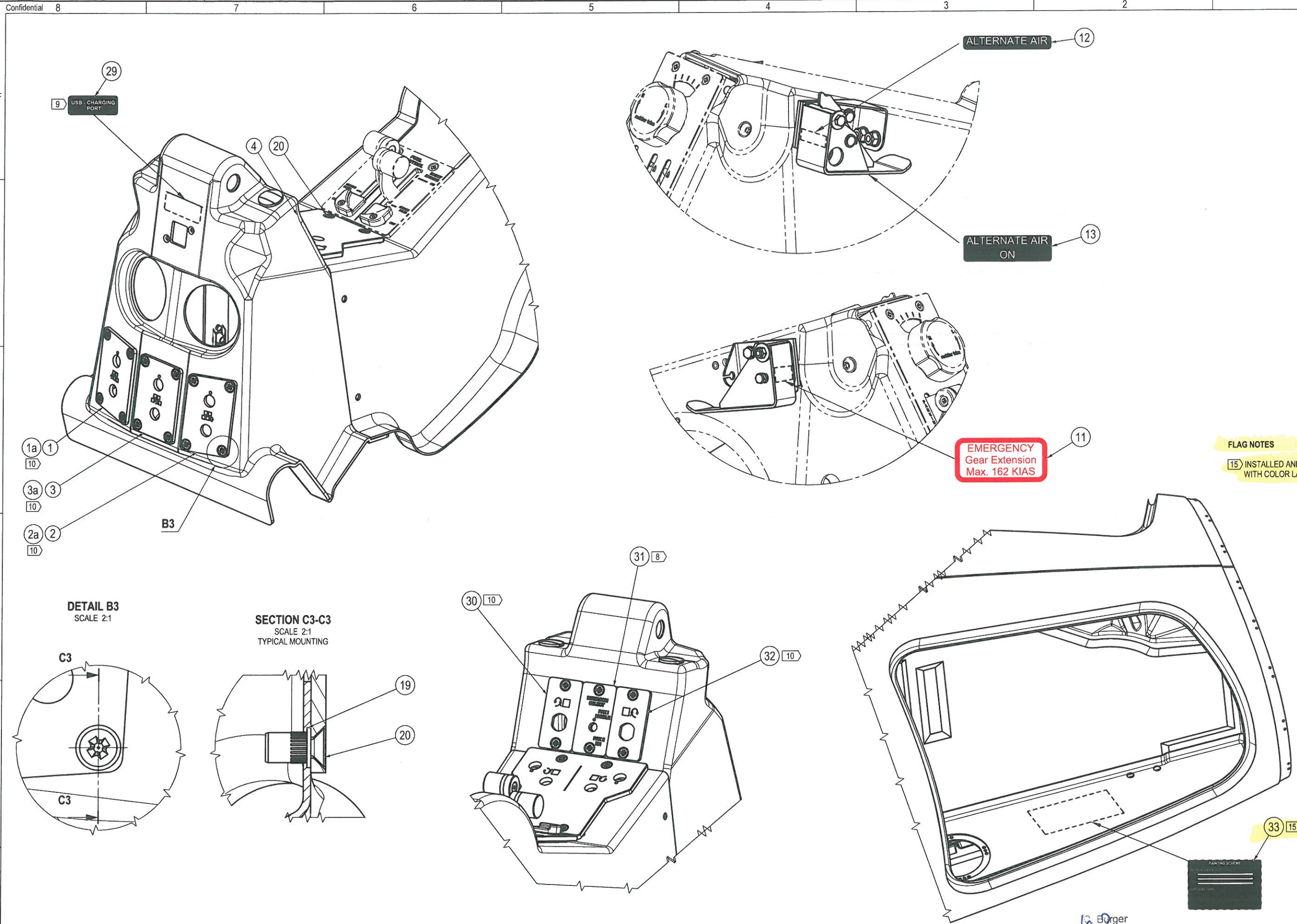
16 13

- FLAG NOTES
- 13 MARKING OF USED OIL TYPE BY PUNCHING WITH DIAMETER 3mm
 - 14 PLACE PLACARD ON ALLOCATED PLACE ON BACKREST
SEE DRAWINGS OF INTERIOR PANELS FOR POSITIONING

PRINT IN COLOUR

Burger
26 NOV 15

 Diamond Aircraft Industries	PROJECT DA 62 N. A. Otto-Straße 5 A-2700 Wiener Neustadt	TITLE PLACARDS - INTERIOR	DWG. ORIG. DAIA	DWG. NO. D67-1130-20-00_03	REV -
			CODE 710197	SCALE NTS	SH 02 OF 03

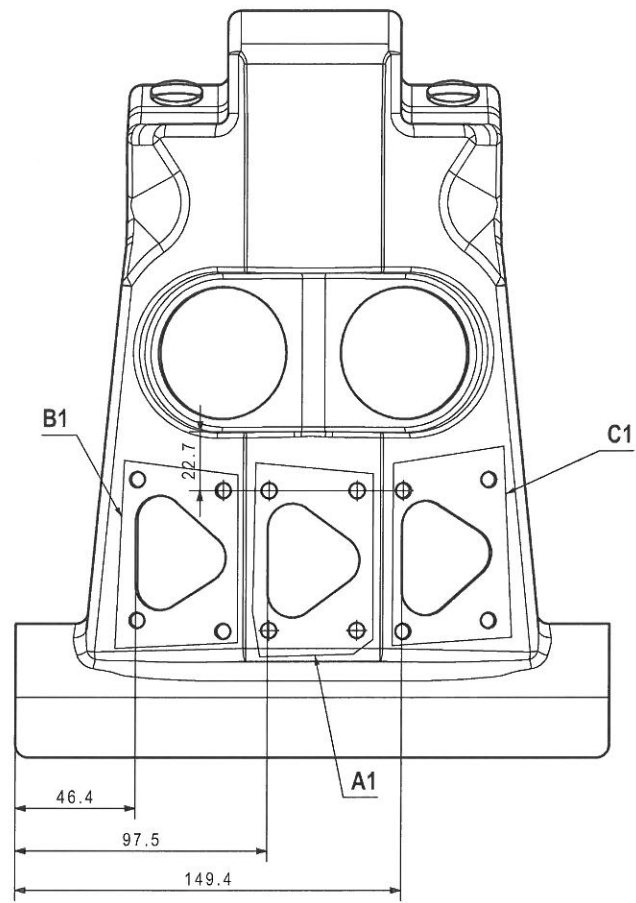


FLAG NOTES
[15] INSTALLED AND COMPLETED
WITH COLOR LABELS IN PAINTSHOP

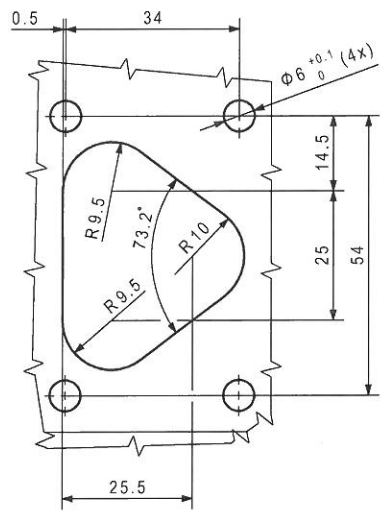
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OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF
DIAMOND AIRCRAFT INDUSTRIES.

 Diamond Aircraft Industries	PROJECT DA 62 N. A. Otto-Straße 5 A-2700 Wiener Neustadt	TITLE PLACARDS - INTERIOR	DWG.ORIG. DAIA	DWG. NO. D67-1130-20-00_03		REV -
			CODE 710197	SCALE NTS	SH 03 OF 03	
4	3	2	1 Confidential			

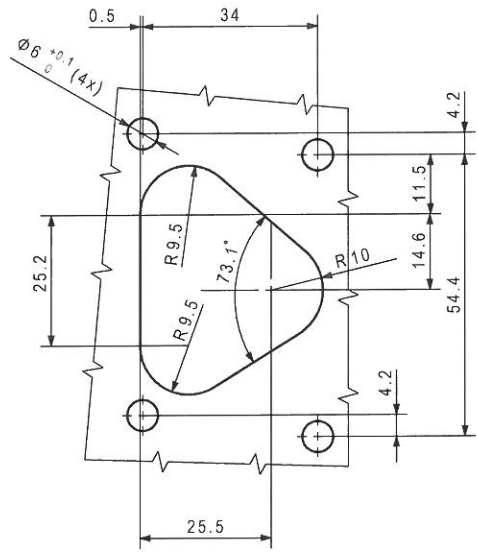
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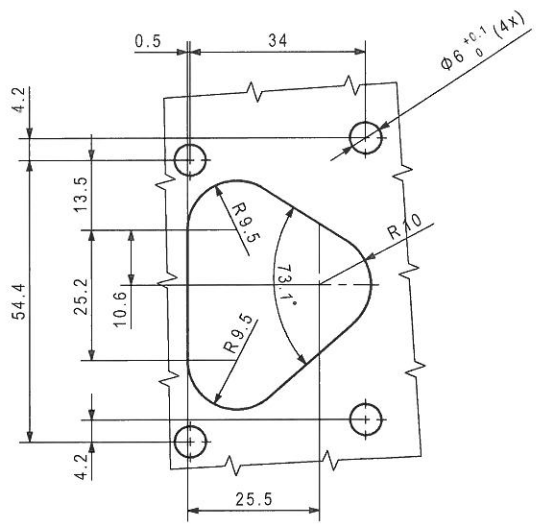
DETAIL A1
1:1



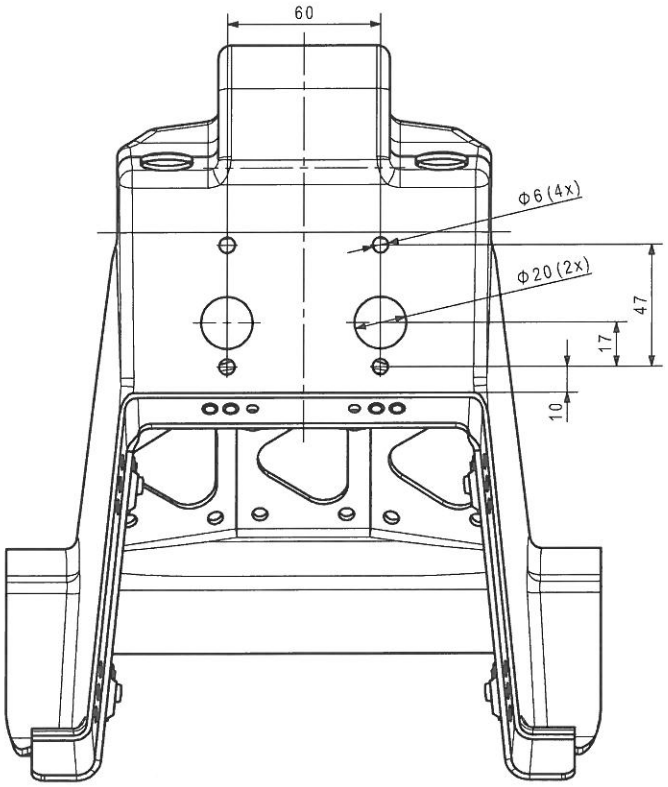
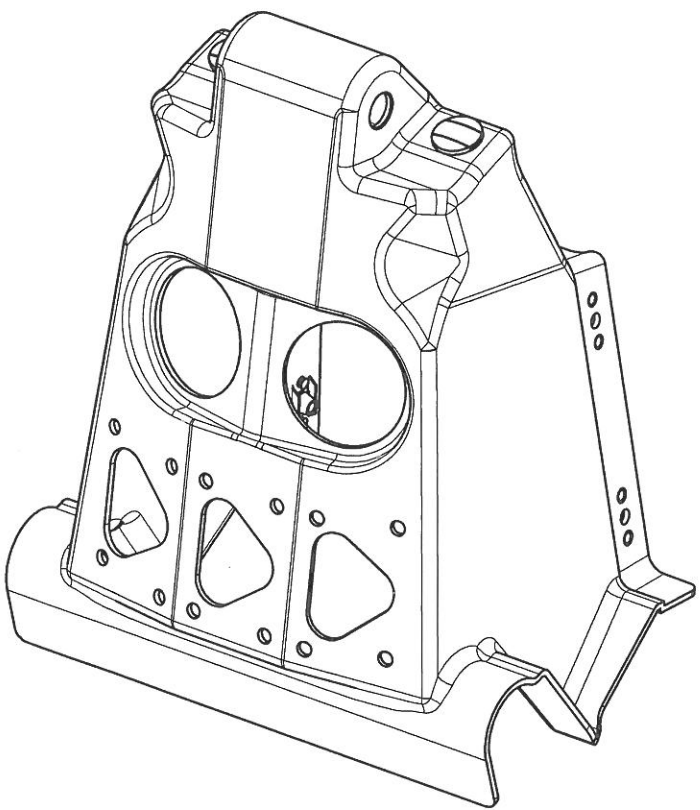
DETAIL B1
1:1



DETAIL C1
1:1



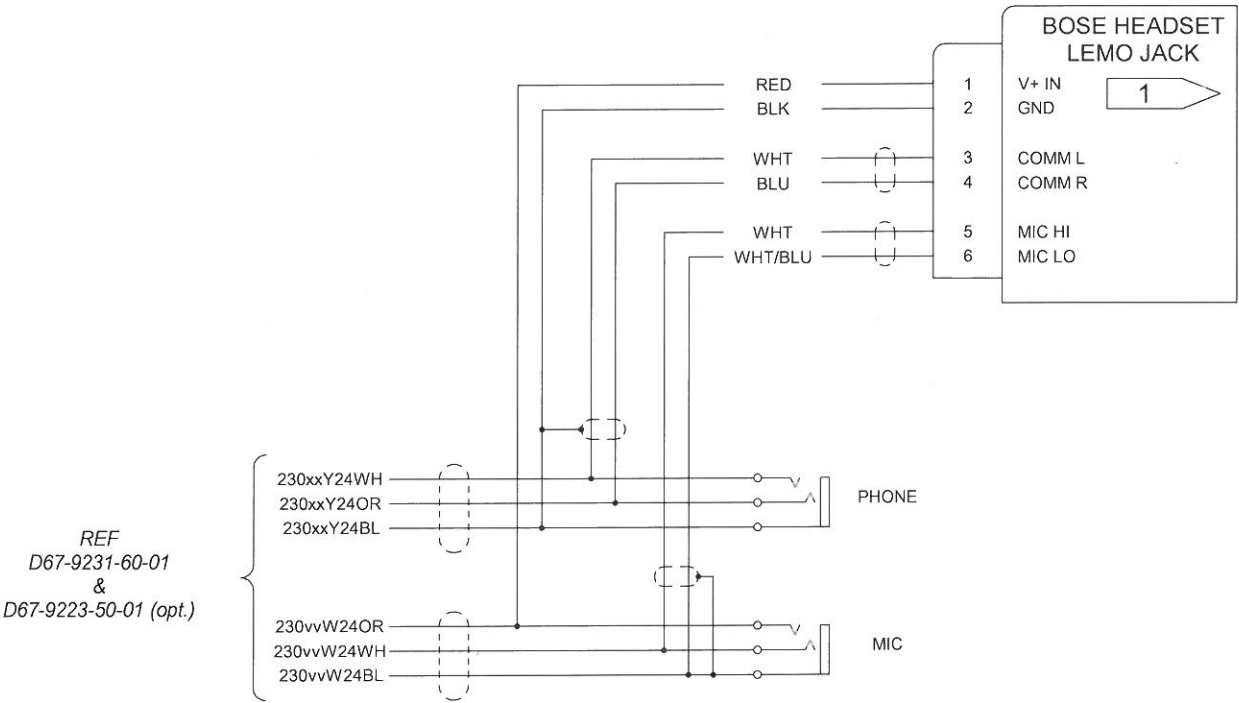
ISOMETRIC VIEW
N.T.S.



- GENERAL NOTES
- FOR DIMENSIONS NOT SHOWN ON DRAWING REFER TO CAD FILE
 - TRIM ACCORDING TO TEMPLATE
 - ALL OTHER INFORMATION SHOWN ON DRAWING
D67-5710-87-00X02 (REFER TO THE LAST VALID REVEISON)

DIMENSIONS		METRIC		IDENTIFICATION MARKINGS		Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	
FIRST ANGLE PROJECTION		FORMAT		CLASSIFICATION:		NAME / SIGN / DATE		PROJECT	
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-c		FINISH IN µm		INTERCHANGEABLE PART		DRAWN:		DA 62	
DIMENSIONS IN mm		A2		NONE		M. Wolf		TITLE	
						01 FEB 18		CONSOLE CENTER	
						M. Kowarsch		TUNNEL FRONT (6-PIN	
						02 FEB 18		CONNECTORS)	
						M. Volck		DWG. ORG.	
						04 FEB 18		DAIA	
						D. Bausek		D67-5710-87-00X03	
						FEB 18		DWG. NO.	
								DAIA	
								CODE	
								710197	
								SCALE	
								1:2	
								SH	
								01	
								OF	
								01	
								CONFIDENTIAL	

REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
-	01	ALL	OÄM 62-026 NEW DRAWING, DOES NOT SUPERSEDE ANOTHER DRAWING.	01.02.16



FLAG NOTES

1. CONNECT BOSE CONNECTOR KIT P/N 323172-0010 TO EXISTING HEADSET JACKS AS SHOWN.

GENERAL NOTES

1. REFER TO WIRING SCHEMATIC D67-9231-60-01 AND OPTIONAL ALSO TO D67-9223-50-01.

DIMENSIONS METRIC		IDENTIFICATION MARKINGS		Diamond Aircraft Industries GmbH		Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	
FIRST ANGLE PROJECTION	FORMAT	DP-S-17-00001		NAME / SIGN / DATE		PROJECT DA 62			
	A3	CLASSIFICATION: NONE		DRAWN: G. Dworak 01 FEB 16		TITLE Schematic, Bose/Lemo Jacks Wiring			
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		INTERCHANGEABLE PART NO		CHECKED: M. Kowarsch 02 FEB 16		DWG.ORIG. DAIA			
DIMENSIONS IN mm		THIS DRAWING WAS PRODUCED USING SOFTWARE: SOLID EDGE ST6		RELEASED: D. Bausek 02 FEB 16		DWG.NO. D67-9223-50-02		REV "-"	
FINISH IN MICRO-METER		FILENAME D67-9223-50-02.dft				CODE 710197		SCALE NTS	
						SH 01 OF 01			