

OPTIONAL SERVICE BULLETIN

OSB 42-123

OSB 42NG-060

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes affected

Type: DA 42, DA 42 M, DA 42 NG, DA 42 M-NG
Serial numbers: 42.004 through 42.427,
42.AC001 through 42.AC151,
42.M001 through 42.M026,
42.N001 through 42.N185, 42.N218.
42.NC001 through 42.NC004, 42.NC006 through 42.NC008,
42.MN001 through 42.MN038.
Only airplanes with GFC 700 are affected.

I.3 Date of effectivity

27-Jun-2016

I.4 Time of Compliance

At owner's discretion

I.5 Subject

Installation of an improved yaw damper system for the Garmin GFC 700 autopilot system.
ATA-Code: 22-10

I.6 Reason

A yaw damper installation with improved alignment and quick links for the servo cables has been approved. This Service Bulletin describes the retrofit installation for airplanes in service.

I.7 Concurrent Documents

None.

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisories No. OÄM 42-102/j, MÄM 42-904 and OÄM 42-210/d, which have 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 42-123 / WI-OSB 42NG-060, latest effective issue.

I.10 Mass (Weight) and CG

Mass (Weight) and CG not affected.

II PLANNING INFORMATION

II.1 Material and Availability

See WI-OSB 42-123 / WI-OSB 42NG-060, latest effective issue.

II.2 Special Tools

See WI-OSB 42-123 / WI-OSB 42NG-060, latest effective issue.

II.3 Labour Effort

Approx. 10 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 42-123
OSB 42NG-060****AIRPLANE INFORMATION**

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of operation of airplane _____

No. of landings _____

Hours of operation-engine LH _____

Hours of operation-engine 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 42-123

WI-OSB 42NG-060

I GENERAL INFORMATION

I.1 Subject

Retrofit installation of GFC 700 yaw damper frame assy D60-2217-21-00_03.

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

D60-2217-00-00X02, Rev. H
D60-2217-20-00_02, Rev. B
D64-2217-20-00, Rev. B

II.2 Special Tools

Spring scale up to 10 kg.

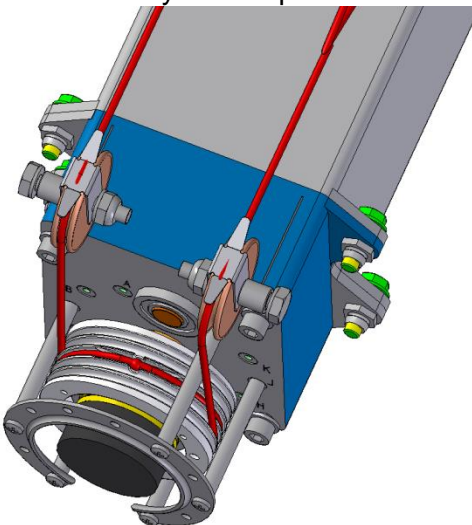
II.3 Material

Quantity	Part Number	Description
2	D60-2217-20-08_2	YAW DAMPER, SHIM
1	D60-2217-20-09_1	YAW DAMPER - TENSION PLATE
2	D60-2217-20-10_1	YAW DAMPER PULLEY BAIL
1	D60-2217-20-70	RING
1	D60-2217-21-00_03MOD	YAW DAMPER FRAME ASSY GFC 700
2	DS BU2-08-4,9-0084-C1	SPACER BUSH
2	AN3-11A	SCREW
2	DIN 125A-4,3-A2	WASHER
9	DIN 125A-5,3-A2	WASHER
1	DIN 125B-6,4-A2	WASHER
2	DIN 7337 B - 3,2 x 4,3 - Al	BLIND RIVET
4	DIN7337-B2.4x8,5 ZP	COUNTER SUNK - BLIND RIVET
1	DIN 9021B-6,4-A2	WASHER
1	DIN 933 M6x45-8.8-BZP	HEXAGON HEAD, WITHOUT SHANK
2	DIN 933-M4x12-8.8-ZP	HEXAGON SCREW
10	DIN 933-M5x12-verzinkt	HEXAGON SCREW
1	DIN 933-M5x16	HEXAGON SCREW
1	DIN 933-M6X14-ZP	HEXAGON HEAD SCREW
2	LN 29677-M4	ANCHOR NUT
1	LN 29985-M6	RIVET NUT
4	LN 9025-0510K	WASHER
4	MS16996-11	ALLEN HEAD SCREW
2	MS21044N3	NUT
4	NAS 1149F0332P	WASHER
4	NAS 1801-3-10	HEXAGON HEAD SCREW
1	011-01028-09	GSM SPIRAL CAPSTAN STANDOFF KIT
1	011-01336-00	CABLE GUARD KIT
1	054218_15_005	CLAMP

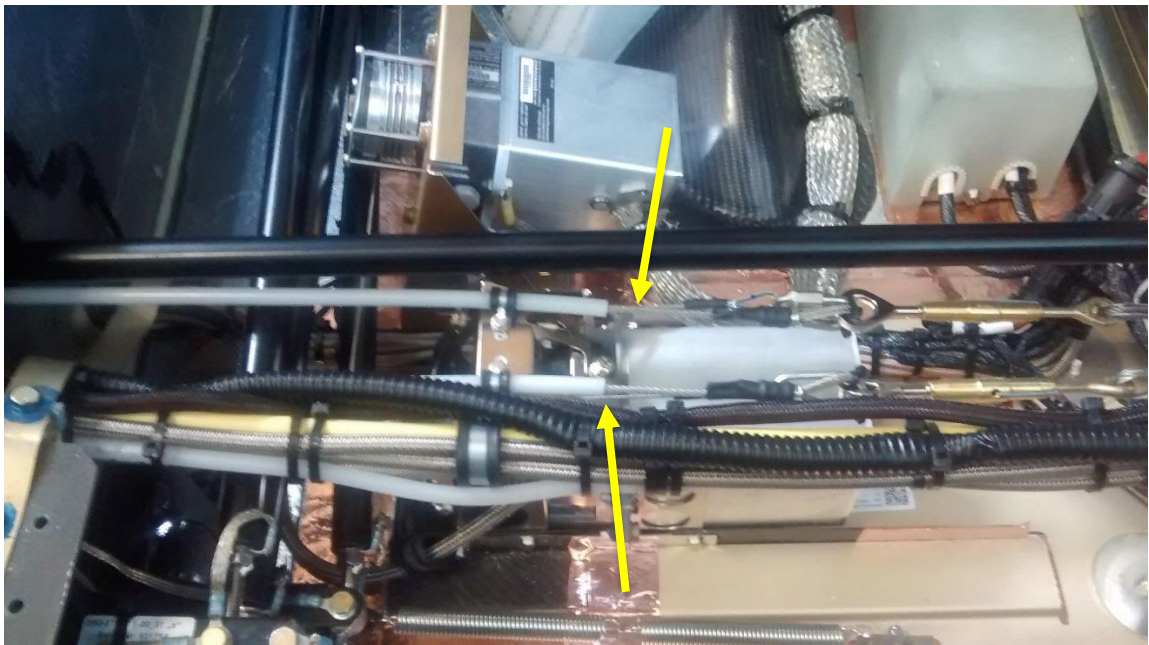
2	MS24566-1B	PULLEY
1	RSGU1	CLAMP
2	RSGU18_10	CLAMP
1	D60-2217-10-70x02	AP YAW DAMPER CABLE
2	AN100-4	THIMBLE
0.1m	KT-0116354127	HEATSHRINK
2	MS51844-22	SLEEVE
2	D60-9022-17-01	CARABINER
10	PLT1MM30	CABLE TIE
10	PLT2SM30	CABLE TIE

Material is available from Diamond Aircraft Industries.

III INSTRUCTIONS

1	Remove the yaw servo according to AMM section 22-10.
2	Adjust/Check the servo clutch according to AMM section 22-10.
3	Install the GSM 85/86 servo mount and GSA 80 servo into the D60-2217-21-00_03 yaw damper frame assy in accordance with drawing D60-2217-20-00_02 (for GSM 85) or D64-2217-20-00 (for GSM 86).
4	Install the D60-2217-10-70X02 AP yaw damper cable onto the capstan according to figure below. 
5	Temporarily fix the cable with tape on the servo frame.

6	Install the 011-01336-00 cable guard kit (GSM 85 only) and 011-01028-09 capstan standoff kit (GSM 85 and GSM 86) onto the servo mount and secure with Loctite 243 or equivalent.
7	Assemble the D60-2217-20-09_1 yaw damper tension plate. Install LN29677-M4 anchor nut to yaw damper tension plate with DIN7337-B2.4x8,5 ZP rivet.
8	Install the D60-2217-20-09_1 yaw damper tension plate on the yaw damper frame.
9	Pre fit the yaw damper frame assy into the aircraft. Install but do not tighten the mounting screws to allow for axial movement. Install the tensioning screw located on the front of the yaw damper. Check before crimping that the rudder is in neutral position and the ball cut out from the capstan is in center up position. Crimping of thimble eye on the cables according to AC 43.13-1B and drawing D60-2217-00-00x02.
10	Check tension of rudder cables via the following procedure: Pull on turnbuckle using a spring scale applying a force of 10 kg. Deflection of turnbuckle should be 20 ± 5 mm. If necessary, adjust rudder tension accordingly via turnbuckle.
11	Connect the yaw damper thimble eye to the rudder cable turnbuckle with the D60-9022-17-01 carabiner and secure screwed connection on carabiner using Loctite 243 or equivalent. Remove the tape the cable was fixed with.
12	Check and adjust the yaw damper cable tension: Pull on the yaw damper cable centrally between the Pulley and the cable eye with the spring scale with a force of 3 kg and adjust cable tension to obtain a deflection between 5 mm and 10 mm.



	Caution: Do not use the yaw servo adjustment screw to adjust cable tension, instead move the servo unit with gentle strokes and secure position via the adjustment screw. Caution: Do not bend the frame assy during adjustment.
13	Tighten the 6 screws mounting the yaw damper frame to the aircraft.
14	Fix carabiners to thimble eyes according to drawing D60-2217-00-00X02.
15	Connect the electrical connection of the yaw servo. Fix the harness with cable ties.
16	Install all clamps and fix the hydraulic lines to the yaw damper frame and if necessary fix the TKS lines with cable ties.
17	Check all flight controls in working area for minimum 3 mm clearance.
18	Check that the rudder is in neutral position and the ball cut out from the capstan is in center up position.
19	Do an inspection of all the controls that you have adjusted. If necessary for your Airworthiness Authority do a duplicate inspection of the controls.
20	Clean working areas, check for foreign objects.
21	Check all altered, replaced, repaired parts for proper function.
22	Test all systems in working area for function.
23	Make all necessary entries in the airplane logs.

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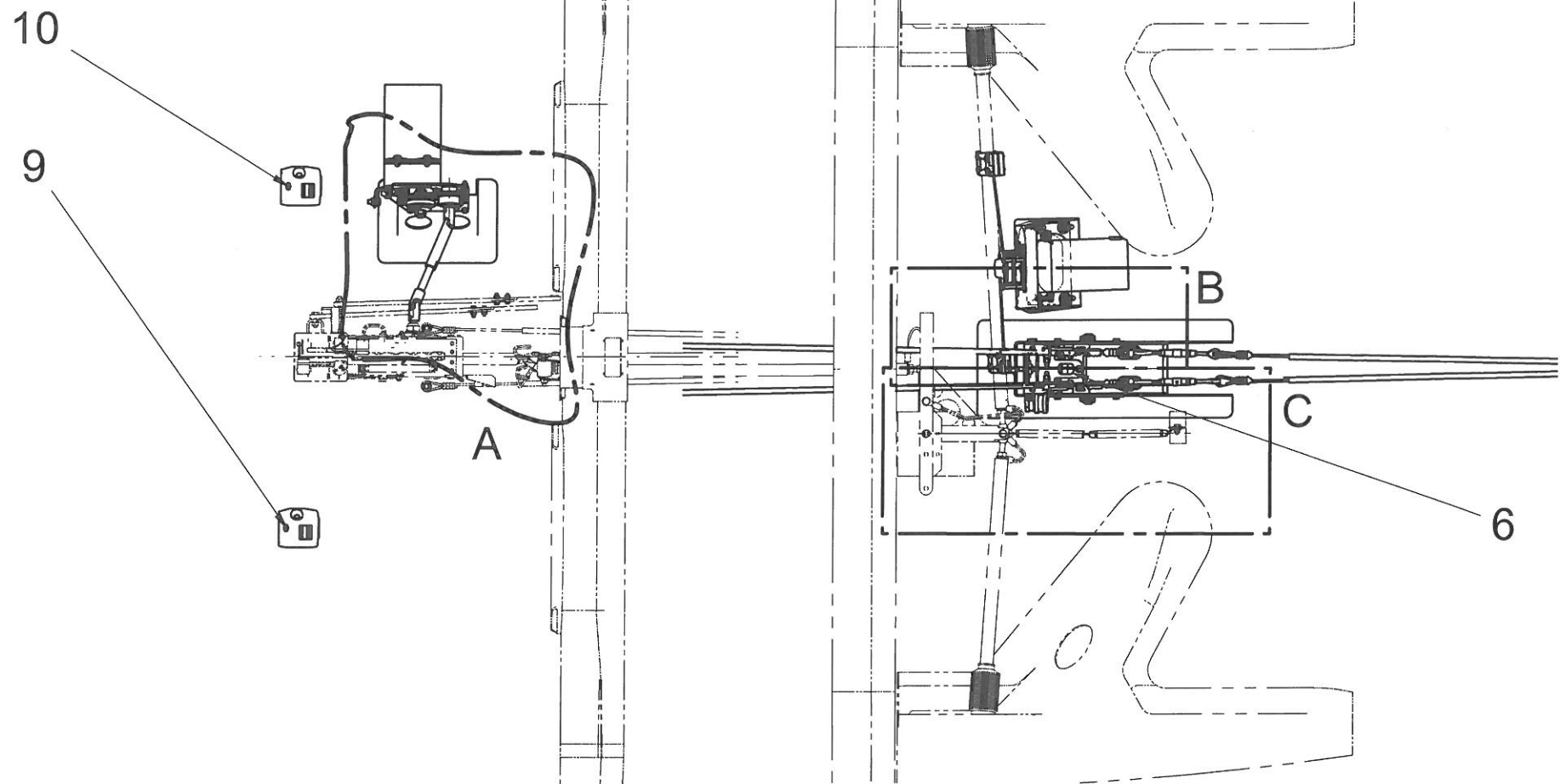
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A

REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
F	01	ALL	OÄM 42-102/g ITEM 6 REPLACED WITH NEWER VERSION.	14.04.2014
G	01	ALL	MÄM 42-916 REVISION LEVEL RAISED DUE TO CHANGES ON SHEET 3. DRAWING CONVERTED TO NEW DRAWING STANDARD.	30.11.2015
H	01	ALL	MÄM 42-925 REVISION LEVEL RAISED DUE TO CHANGES ON SHEET 3.	17.12.2015



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 42				
	A3	CLASSIFICATION: NONE		DRAWN: R. Schuster 17 DEC 15		TITLE AP CONTROL CW ASSY				
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		INTERCHANGEABLE PART NO		CHECKED: M. Volck 17 DEC 15		DWG.ORIG. DWG.NO. REV				
DIMENSIONS IN mm		THIS DRAWING WAS PRODUCED USING SOFTWARE: SOLID EDGE ST6		RELEASED: M. Scheikl 17 DEC 15		DAIA		D60-2217-00-00X02		H
FINISH IN MICRO-METER		FILENAME D60-2217-00-00X02h.asm				CODE 710197		SCALE 1:10	SH 01 OF 04	

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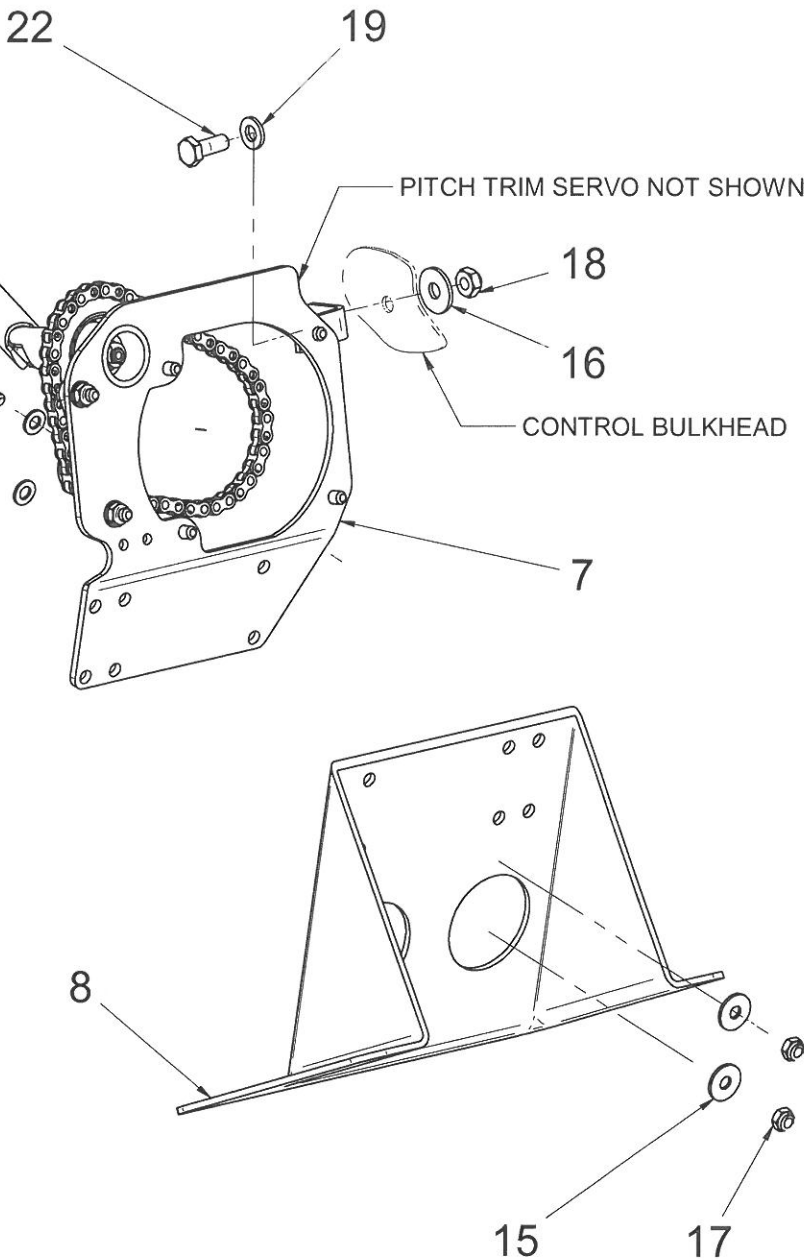
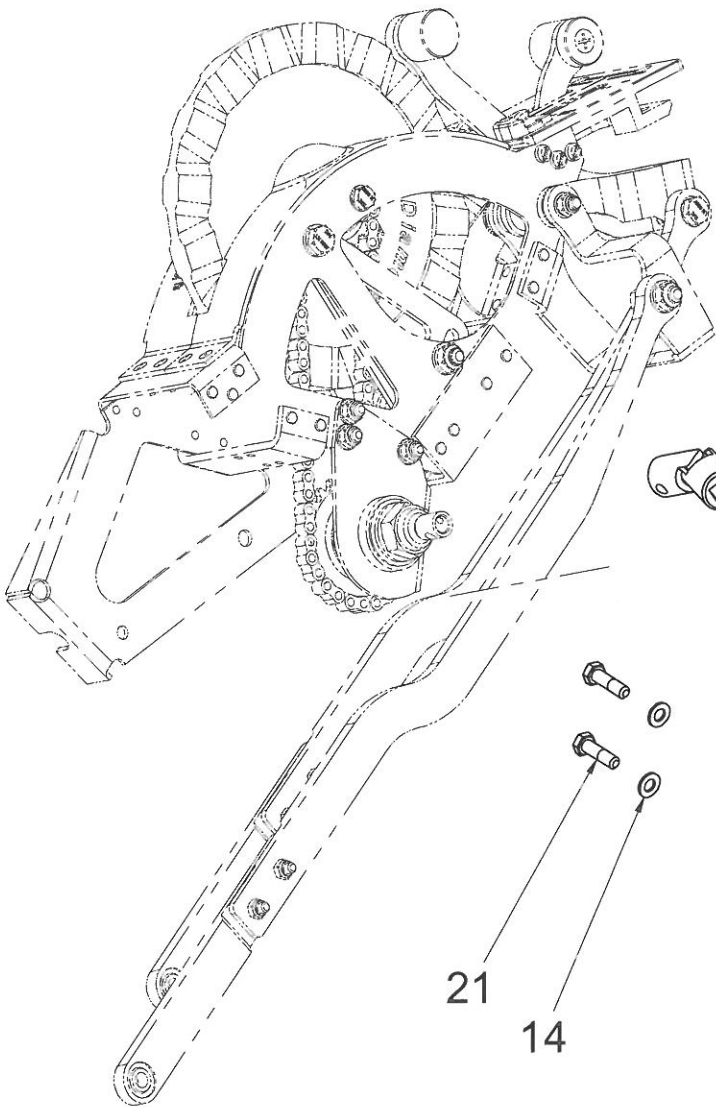
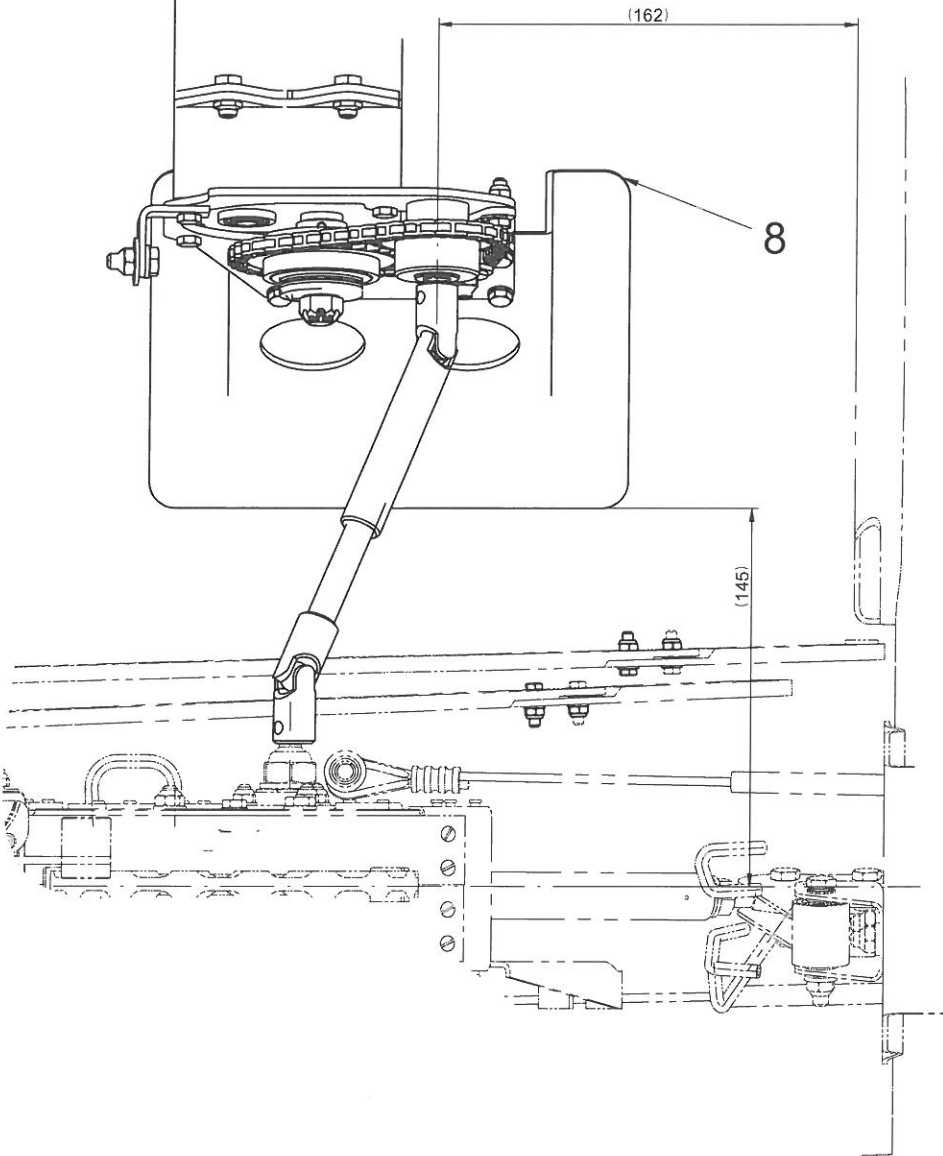
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REVISION					
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F	02	ALL	OAM 42-102/g ITEM 6 REPLACED WITH NEWER VERSION.		14.04.2014
G	02	ALL	MAM 42-916 REVISION LEVEL RAISED DUE TO CHANGES ON SHEET 3. DRAWING CONVERTED TO NEW DRAWING STANDARD.		30.11.2015
H	02	ALL	MAM 42-325 REVISION LEVEL RAISED DUE TO CHANGES ON SHEET 3.		17.12.2015

DETAIL A

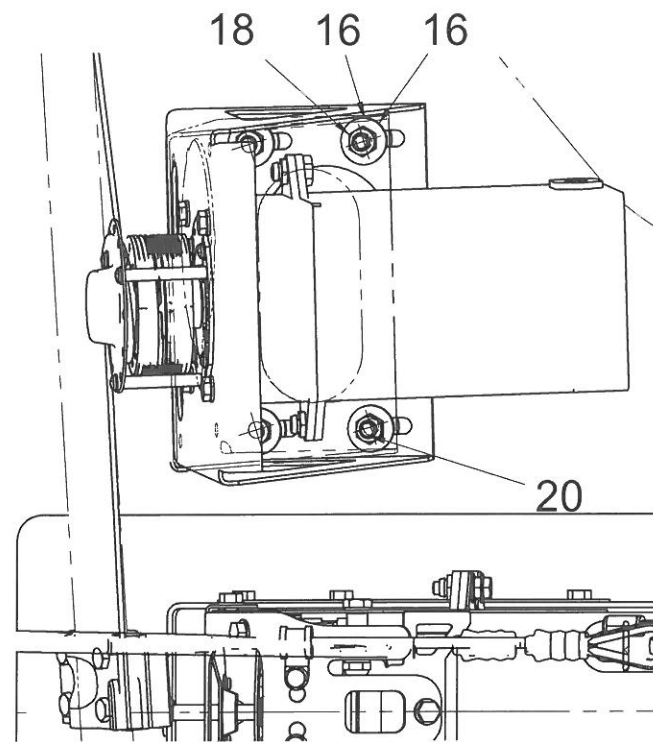


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FIRST ANGLE PROJECTION	FORMAT A2	DP-S-17-00001		NAME / SIGN / DATE		PROJECT DA 42			
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK	FINISH IN MICRO-METER	CLASSIFICATION: NONE		DRAWN: R. Schuster 17 DEC 15		TITLE AP CONTROL CW ASSY			
DIMENSIONS IN mm		INTERCHANGEABLE PART NO		CHECKED: M. Volck 17 DEC 15		DWG. ORIG. DAIA DWG. NO. D60-2217-00-00X02 REV H			
		THIS DRAWING WAS PRODUCED USING SOFTWARE: SOLID EDGE ST6		RELEASED: M. Scheikl 17 DEC 15		CODE 710197 SCALE 1:2 SH 02 OF 04			
		FILENAME D60-2217-00-00X02h.asm				Confidential			

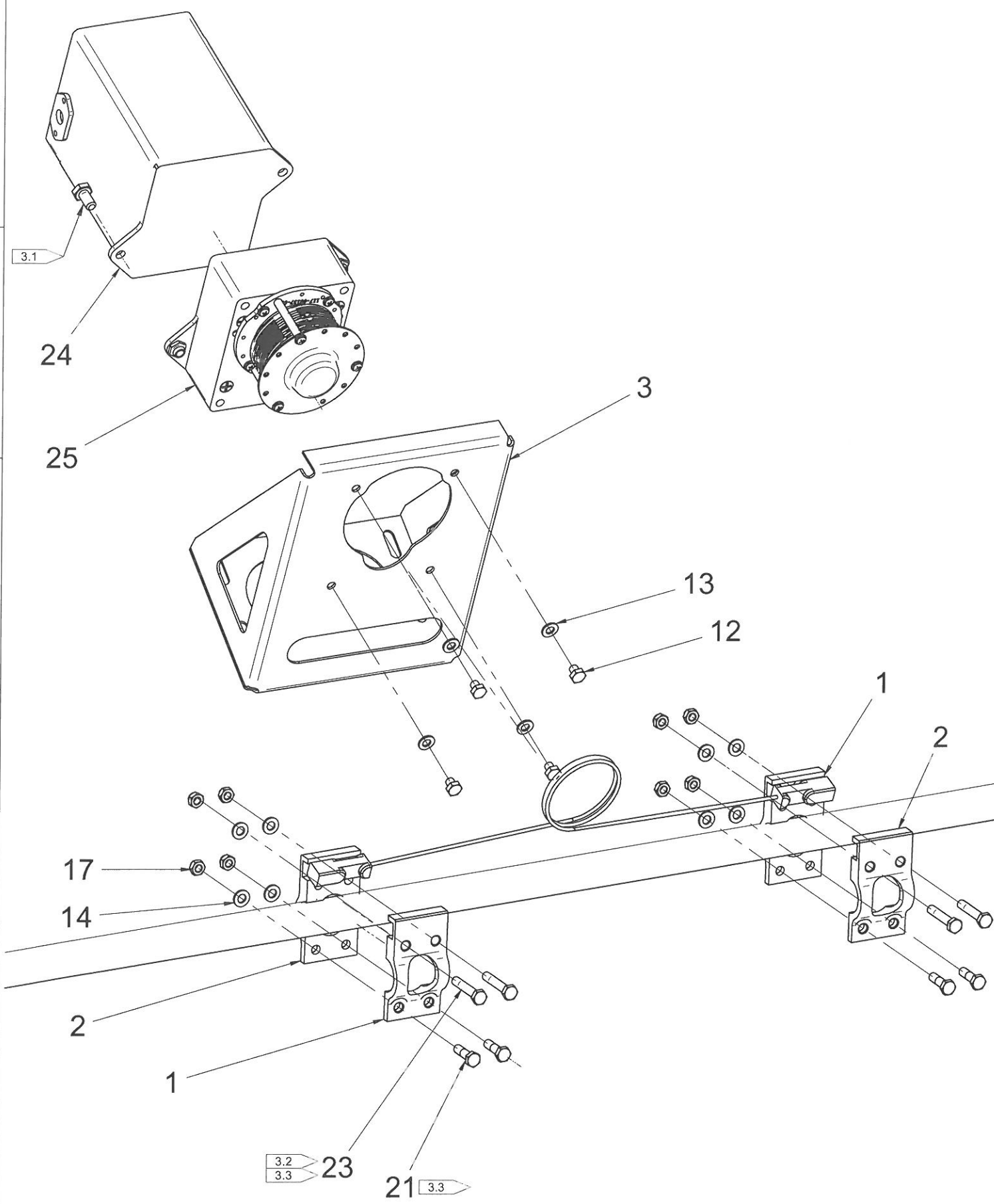
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REV	SH	ZONE	DESCRIPTION	DATE
F	03	ALL	OAM 42-102/g ITEM 6 REPLACED WITH NEWER VERSION.	14.04.2014
G	03	ALL	MAM 42-916 IN FLAG NOTE 3.1 ITEM 26 CORRECTED TO ITEM 24. DRAWING CONVERTED TO NEW DRAWING STANDARD.	30.11.2015
H	03	ALL	MAM 42-916 ITEM 1 D41-2213-10-53 CHANGED TO D41-2213-10-53_01. ITEM 2 D41-2213-10-54 CHANGED TO D41-2213-10-54_01. FLAG NOTE 3.3 NEW ADDED.	17.12.2015

DETAIL B



FLAG NOTES

- 3.1 MOUNTING HARDWARE IS PART OF ITEM 24.
- 3.2 TIGHTEN UPPER MOUNTING SCREWS OF CLAMPS FIRST.
- 3.3 TORQUE OF SCREWS. 6,5 Nm.



28	2	NG4 TYP A	CARABINER						
27	2	MS51844-22	NICO-PRESSED FERRULES						Fa. Tost
26	6		HEADSHRINK TUBE (BLACK)			Ø 12,7x30mm			Fa. Angst&Pfister
25	1	011-00894-07	GSM 85 SPIRAL						Fa. Garmin
24	1	011-00878-00	GSA 81 SERVO						Fa. Garmin
23	4	LN 9037-M5x28	HEXAGON SCREW						
22	1	LN 9037-06 016	HEXAGON SCREW						
21	8	LN 9037-05 018	HEXAGON SCREW						
20	4	ISO 7380-M6x20-A2	FILLISTER HEAD SCREW						
19	1	DIN EN ISO 7090-6,4-A2	WASHER						
18	5	DIN 985-M6-A2	SELF-LOCKING NUT						
17	12	DIN 985-M5-A2	SELF-LOCKING NUT						
16	9	DIN 9021-B6,4-A2	WASHER						
15	4	DIN 9021-B5,3-A2	WASHER						
14	12	DIN 125-A5,3-A2	WASHER						
13	4	AN960-10L	WASHER						
12	4	AN3-3A	HEXAGON SCREW			#10-32			
11	2	AN100-3	THIMBLE						Fa. Spruce
10	1	DA4-2213-13-00X01	DA 40, CO-PILOT STICK ASSY						
9	1	DA4-2213-12-00X01	DA 40, PILOT STICK ASSY						
8	1	D60-2217-31-00	AP TRIM PEDESTAL						
7	1	D60-2217-30-00X02	PITCH TRIM ASSY						
6	1	D60-2217-20-00_02	GFC 700 YAW DAMPER ASSY						
5	1	D60-2217-10-70X02	AP YAW DAMPER CABLE						
4	2	D60-2217-00-50	TURNBUCKLE FOR AP						
3	1	D60-2217-00-02	AP MOUNTING SHEET						
2	2	D41-2213-10-54_01	BRIDLE CABLE CLAMP						
1	2	D41-2213-10-53_01	BRIDLE CABLE CLAMP						

DIMENSIONS

METRIC

FIRST ANGLE PROJECTION

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

DIMENSIONS IN mm

FORMAT

A2

INTERCHANGEABLE PART

NO

THIS DRAWING WAS PRODUCED USING

SOFTWARE: SOLID EDGE ST6

FILENAME

D60-2217-00-00X02h.asm

IDENTIFICATION MARKINGS

DP-S-17-00001

CLASSIFICATION:

NONE

FILENAME

D60-2217-00-00X02h.asm

Diamond Aircraft Industries GmbH

NAME / SIGN / DATE

R. Schuster

17 DEC 15

M. Volck

17 DEC 15

M. Scheidl

17 DEC 15

PROJECT

DA 42

TITLE

AP CONTROL CW ASSY

DWG.ORIG.

DAIA

DWG.NO.

D60-2217-00-00X02

REV

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CODE

710197

SCALE

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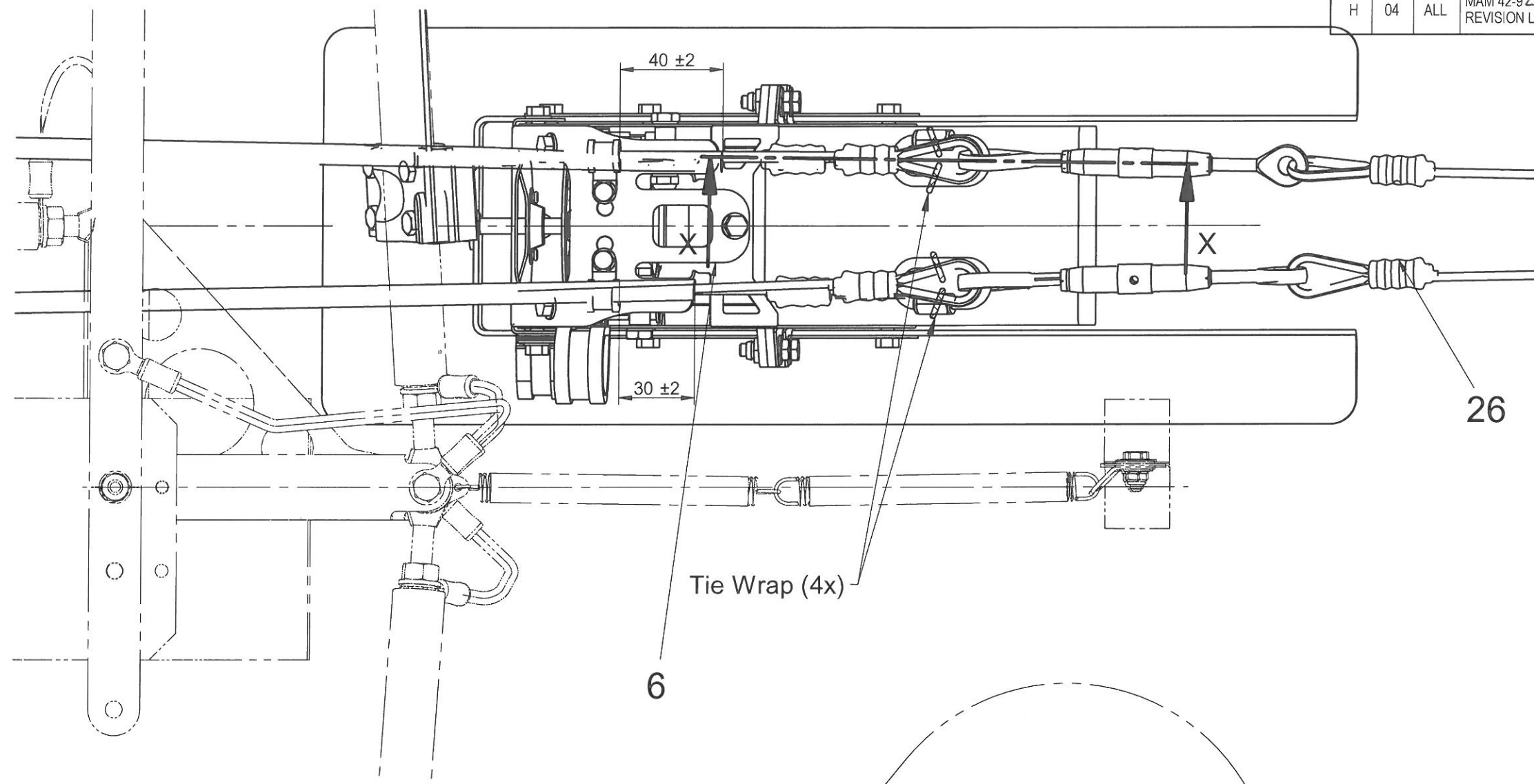
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CONFIDENTIAL

REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
F	04	ALL	OÄM 42-102/g ITEM 6 REPLACED WITH NEWER VERSION.	14.04.2014
G	04	ALL	MÄM 42-916 REVISION LEVEL RAISED DUE TO CHANGES ON SHEET 3. DRAWING CONVERTED TO NEW DRAWING STANDARD.	30.11.2015
H	04	ALL	MÄM 42-92.5 REVISION LEVEL RAISED DUE TO CHANGES ON SHEET 3.	17.12.2015

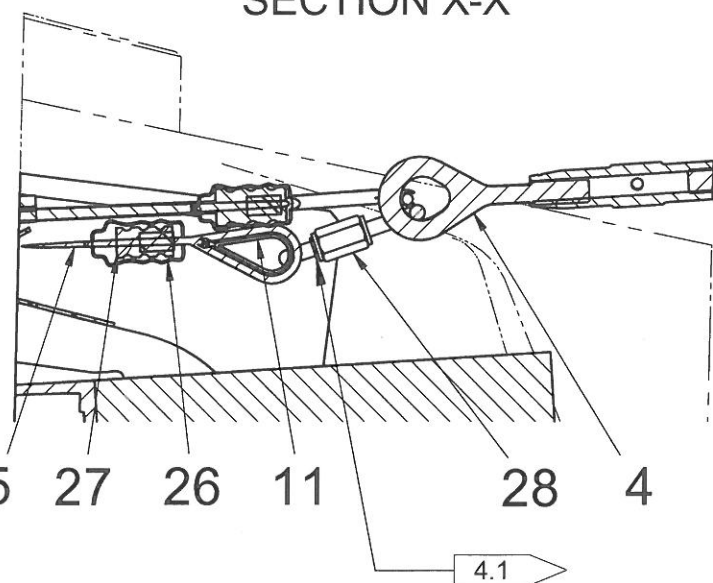
DETAIL C



SECTION X-X

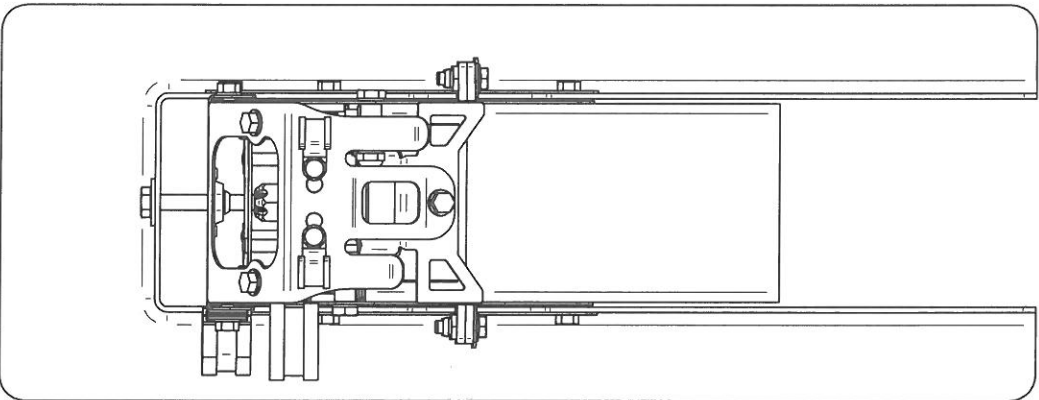
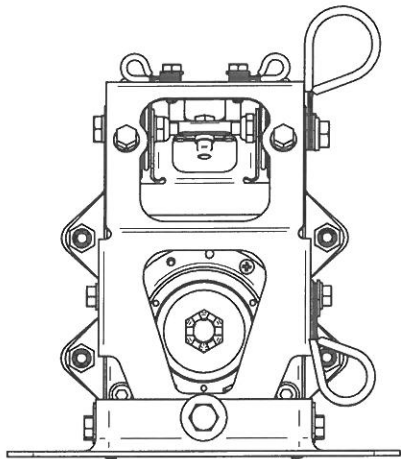
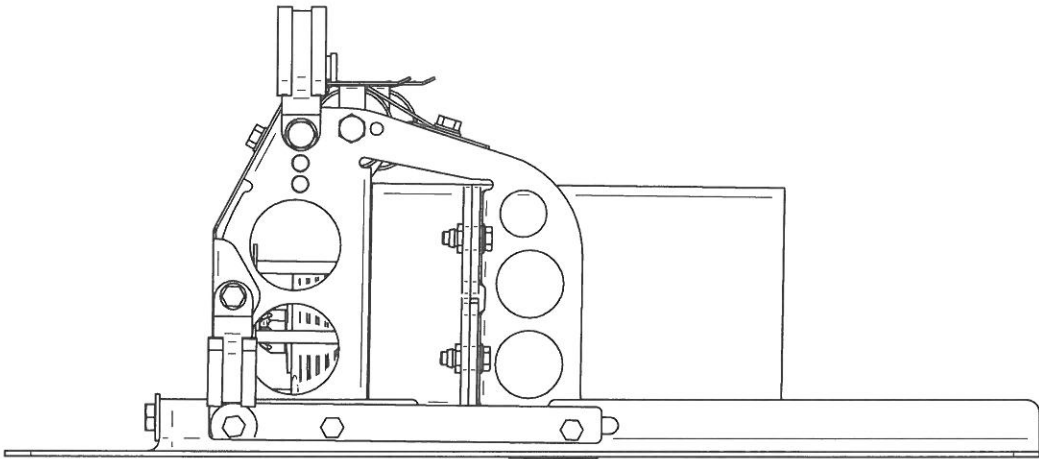
FLAG NOTES

4.1 SECURE CONNECTION PER DP-S-14-00005
USING ADHESIVE PER DM-S-02-00005
(CLASS 1 TYPE 2 GRADE 1).



DIMENSIONS METRIC		IDENTIFICATION MARKINGS		Diamond Aircraft Industries GmbH		Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	
FIRST ANGLE PROJECTION	FORMAT A3	DP-S-17-00001		NAME / SIGN / DATE		PROJECT DA 42			
		CLASSIFICATION: NONE		DRAWN: R. Schuster 17 DEC 15		TITLE AP CONTROL CW ASSY			
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		INTERCHANGEABLE PART NO		CHECKED: M. Volok 18 DEC 15		DWG.ORIG. DAIA DWG.NO. D60-2217-00-00X02 REV H			
DIMENSIONS IN mm		THIS DRAWING WAS PRODUCED USING SOFTWARE: SOLID EDGE ST6		RELEASED: M. Scheibl 17 DEC 15		CODE 710197 SCALE 1:2 SH 04 OF 04			
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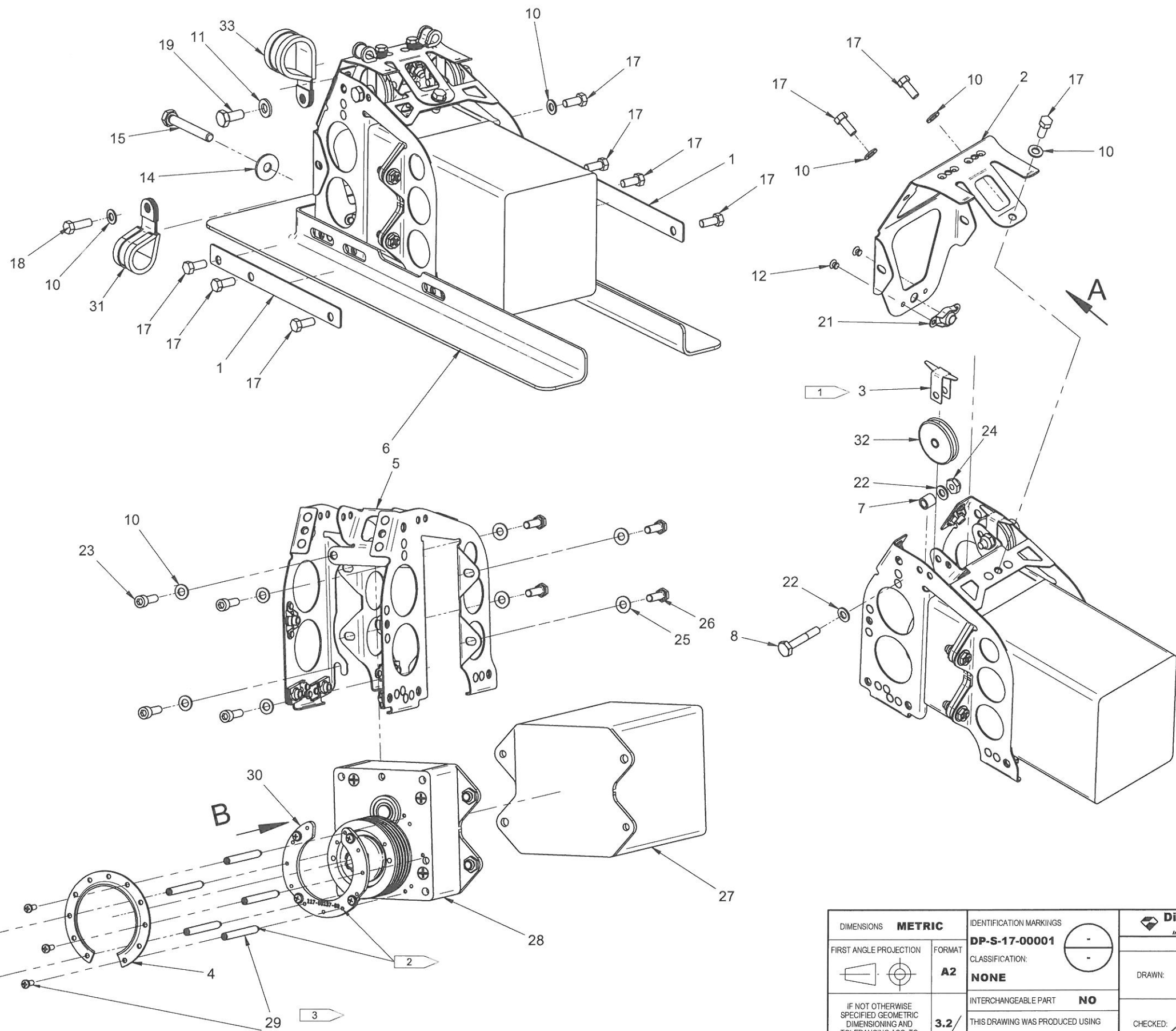
REVISION					
REV	SH	ZONE	DESCRIPTION	DATE	APPROVAL
-	01	ALL	OAM 42-102/g NEW DRAWING, SUPERSEDES D60-2217-20-00_01, ITEM 5 REPLACED WITH NEWER VERSION, ITEMS 4 AND 29 ADDED, FLAG NOTES 2 AND 3 ADDED.	14.04.14	SEE TB
A	01	ALL	OAM 42-102/f VIEWS UPDATED, ITEM 30 ADDED; P/N OF ITEM 22 AND 28 CORRECTED.	19-JAN-2015	SEE TB
B	01	ALL	OAM 42-102/f ITEM 5 REPLACED WITH NEWER VERSION.	06-JUL-2015	SEE TB



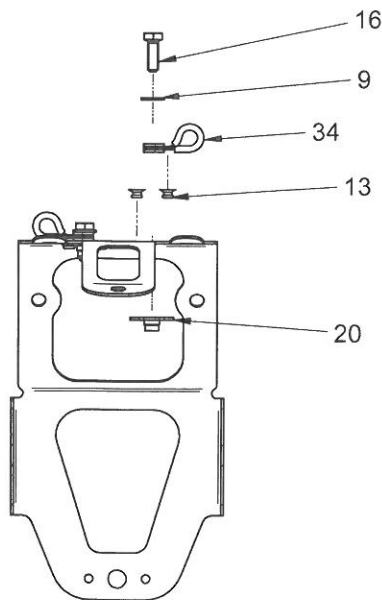
GENERAL NOTES
1. TORQUE CLUTCH BEFORE INSTALLATION
ACCORDING TO D60-0822-00-00X01.

34	2	RSGU18_10	PIPE CLAMP						4
33	1	RSGU1	PIPE CLAMP						4
32	2	MS24566-1B	PULLEY						4
31	1	054218_15_005	PIPE CLAMP						4
30	1	011-01336-00	CABLE GUARD KIT					GARMIN	4
29	1	011-01028-09	GSM SPIRAL CAPSTAN STANDOFF KIT					GARMIN	4
28	1	011-00894-08	GSM 85 SERVO MOUNT					GARMIN	4
27	1	011-00877-00	GSA 80 SERVO					GARMIN	4
26	4	NAS 1801-3-10	HEXAGON HEAD SCREW						3
25	4	NAS 1149F0332P	WASHER						3
24	2	MS21044N3	NUT						3
23	4	MS16996-11	ALLEN HEAD SCREW						3
22	4	LN9025-0510K	WASHER	1.7734.4					3
21	1	LN 29985-M6	RIVET NUT	Stahl					3
20	2	LN 29677-M4	ANCHOR NUT						3
19	1	DIN 933-M6X14-ZP	HEXAGON HEAD SCREW						3
18	1	DIN 933-M5x16	HEXAGON SCREW						3
17	10	DIN 933-M5x12-verzinkt	HEXAGON SCREW						3
16	2	DIN 933-M4x12-8.8-ZP	HEXAGON SCREW						3
15	1	DIN 933 M6x45-8.8-BZP	HEXAGON HEAD, WITHOUT SHANK	1.0308					3
14	1	DIN 9021B-6,4-A2	WASHER						3
13	4	DIN 7337-B2,4x5-A2	COUNTER SUNK - BLIND RIVET						3
12	2	DIN 7337 B - 3,2 x 4,3 - Al	BLIND RIVET						3
11	1	DIN 125B-6,4-A2	WASHER						3
10	9	DIN 125A-5,3-A2	WASHER						3
9	2	DIN 125A-4,3-A2	WASHER	A2					3
8	2	AN3-11A	SCREW						3
7	2	DS BU2-08-4,9-0084-C1	SPACER BUSH						3
6	1	D60-2217-22-00_1	YAW DAMPER, ATTACHMENT BRACKET						1
5	1	D60-2217-21-00_03	YAW DAMPER FRAME ASSY GFC 700						1
4	1	D60-2217-20-70	RING						1
3	2	D60-2217-20-10_1	YAW DAMPER PULLEY BAIL	1.4301					1
2	1	D60-2217-20-09_1	YAW DAMPER - TENSION PLATE	1.7734.4					1
1	2	D60-2217-20-08_2	YAW DAMPER, SHIM	1.7734.4					1
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL TYPE	H.T.	MATERIAL SIZE	SPECIFICATION	REMARK	

DIMENSIONS METRIC		IDENTIFICATION MARKINGS		Diamond Aircraft Industries GmbH		Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	
FIRST ANGLE PROJECTION	FORMAT A2	CLASSIFICATION: DP-S-17-00001	CLASSIFICATION: NONE	NAME / SIGN / DATE		PROJECT DA 42		TITLE	
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK	3.2	INTERCHANGEABLE PART NO	THIS DRAWING WAS PRODUCED USING SOFTWARE: SOLID EDGE ST6	DRAWN: S. Posch		PROJECT DA 42		TITLE	
DIMENSIONS IN mm	FINISH IN MICRO-METER	FILENAME D60-2217-20-00_02b.asm		CHECKED: M. Volck		DWG. ORIG. DAIA		DWG. NO. D60-2217-20-00_02	
				RELEASED: M. Scheikl		REV B			
						CODE 710197		SCALE SH 01 OF 02	

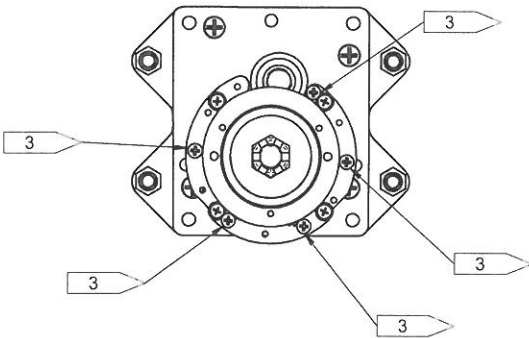


VIEW A



VIEW B

1:2



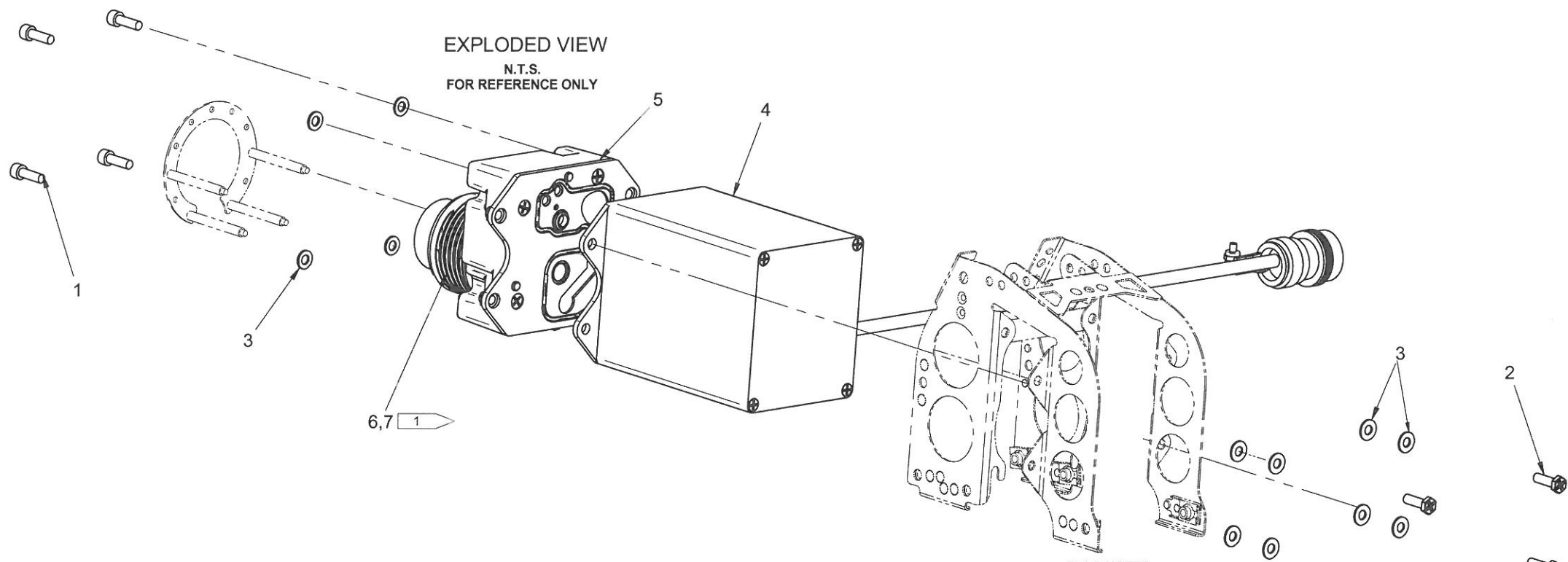
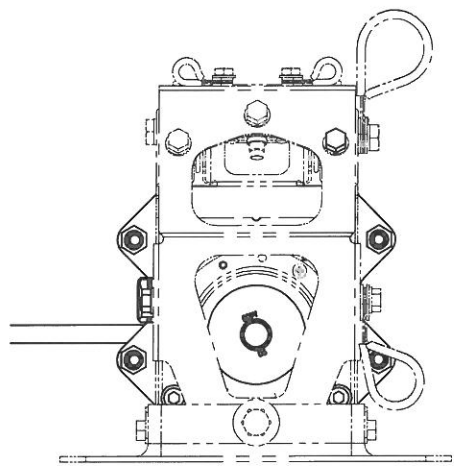
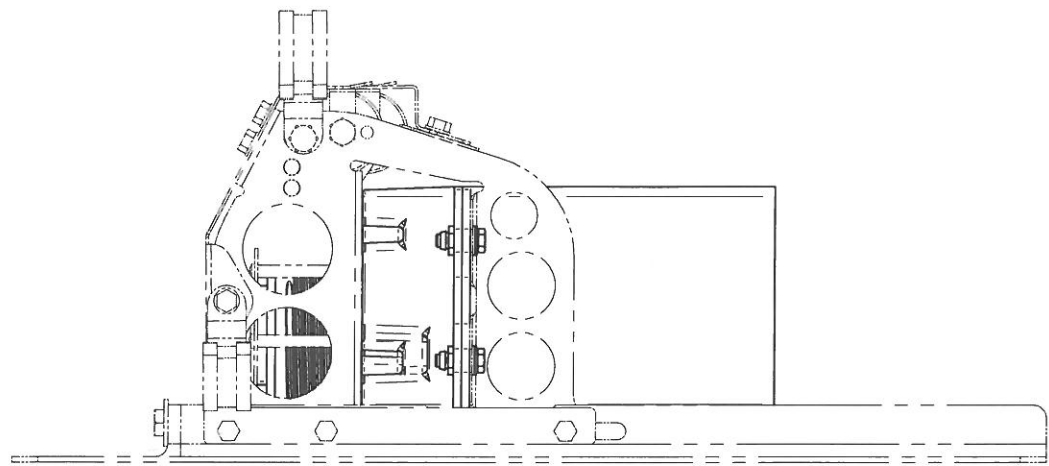
FLAG NOTES

- 1 SPRING LEGS OF ITEM 3 TO BE SELF-ALIGNED WITH CONTACT SURFACE OF ITEM 2
- 2 SECURING CONNECTION PER DP-S-14-00005 USING ADHESIVE PER DM-S-02-00005 (CLASS 1 TYPE 2 GRADE 1).
- 3 TOP RING STANDOFF POSITIONS: C, E, G, J, L

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DIMENSIONS METRIC		IDENTIFICATION MARKINGS		Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	
FIRST ANGLE PROJECTION		DP-S-17-00001		NAME / SIGN / DATE		PROJECT DA 42	
FORMAT A2		CLASSIFICATION: NONE		DRAWN: S. Posch		TITLE	
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		INTERCHANGEABLE PART NO		06 JUL 15		GFC 700 YAW DAMPER ASSY	
DIMENSIONS IN mm		THIS DRAWING WAS PRODUCED USING SOFTWARE: SOLID EDGE ST6		M. Voick		DWG. ORIG. DAIA	
FINISH IN MICRO-METER		FILENAME D60-2217-20-00_02b.asm		07 JUL 15		DWG. NO. D60-2217-20-00_02	
				M. Schein		REV B	
				07 JUL 15		CODE 710197	
						SCALE	
						SH 02 OF 02	
						1 Confidential	

REVISION					
REV	SH	ZONE	DESCRIPTION	DATE	APPROVAL
-	01	ALL	OAM 42-210 FIRST RELEASE	18.08.11	BURGER
A	01	ALL	OAM 42-210/b PART LIST UPDATED. ITEM 3 QTY CHANGED FROM 8 TO 4. ITEM 4 NEW ADDED. ITEM 5 WAS AN960-10L. FLAG NOTES 2 CHANGED TO GENERAL NOTES 2.	07.12.12	SEE TB
B	01	ALL	OAM 42-210/d REFERENCE DRAWING IN GENERAL NOTE 1 UPDATED; CABLE GUARD IN VIEWS ADDED; ITEM 8 AND FLAG NOTE 2 ADDED.	19-JAN-2015	SEE TB



EXPLODED VIEW
N.T.S.
FOR REFERENCE ONLY

FLAG NOTES

- 1 ASSEMBLE CLUTCH AND CAPSTAN ACCORDING TO THE GSM86 INSTALLATION MANUAL P/N 190-00303-83, LATEST EFFECTIVE ISSUE.
- 2 ITEM 8 IS NOT REQUIRED.

GENERAL NOTES

1. DIMENSIONS AND FURTHER INFORMATION SHOWN ON DRAWING D60-2217-20-00_02. REFER TO THE LAST VALID REVISION
2. SECURE ALL THREADED CONNECTIONS TO SERVO PER DP-S-14-00005 USING ADHESIVE PER DM-S-02-00005 (CLASS 1 TYPE 2 GRADE 1).

8	1	011-01336-00	CABLE GUARD KIT							GARMIN
7	1	011-02147-03	CLUTCH CARTRIDGE KIT, 90 IN-LBS							GARMIN
6	1	011-01908-00	CAPSTAN KIT, 1/16" SPIRAL							GARMIN
5	1	011-01904-03	GSM 86							GARMIN
4	1	011-00877-20	GSA 80							GARMIN
3	12	AN960-10	WASHER							
2	4	AN3-5A	HEXAGON SCREW							
1	4	AN3-3A	HEXAGON SCREW							
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL TYPE	H.T.	MATERIAL SIZE	SPECIFICATION	REMARK		

DIMENSIONS METRIC		IDENTIFICATION MARKINGS		Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	
FIRST ANGLE PROJECTION	FORMAT A2	DP-S-17-00001	CLASSIFICATION: NONE	DEPARTMENT	SIGN	DATE	PROJECT DA 42 NG
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM		INTERCHANGEABLE PART NO		DRAWN	S. Posch	26-JAN-2015	TITLE
DIMENSION TOLERANCES		THIS DRAWING WAS PRODUCED USING		CHECKED	Scheikl	20-JAN-2015	YAW DAMPER ASSY
2 DECIMAL ±0.25		SOFTWARE: SOLID EDGE V18		QA	N/A		
1 DECIMAL ±0.5		FILENAME		STRESS	N/A		
DECIMAL ±1		D64-2217-20-00b.asm		MANUF.	N/A		
ANGLE ±1°				SYSTEM	Kowarsch	23-JAN-15	DWG. ORIG. DAIA
RAD ±0.5				APPROVED	Burger	23-1-15	DWG. NO. D64-2217-20-00
							REV B
							CODE 710197 SCALE 1:2 SH 01 OF 01