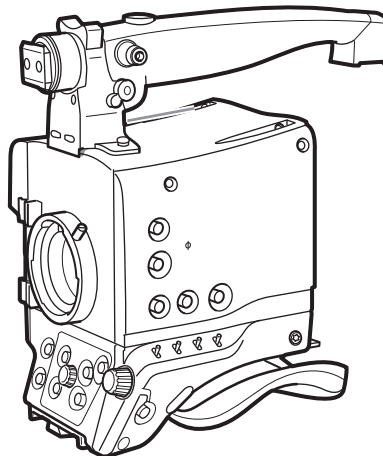


Maintenance Manual

3923 496 32471 June 2016 v1.0



LDX 86^N Series

Native HD/3G/4K/High-Speed System Camera

Declaration of Conformity

We, Grass Valley Nederland B.V., Bergschot 69, 4817 PA Breda, The Netherlands, declare under our sole responsibility that this product is in compliance with the following standards:

- EN60065 : Safety
- EN55103-1: EMC (Emission)
- EN55103-2: EMC (Immunity)

following the provisions of:

- a. the Low Voltage directive 2006/95/EC
- b. the EMC directive 2004/108/EC

FCC CLASS A Statement

This product generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause interference to radio communications.

It has been tested and found to comply with the limits for a CLASS A digital device pursuant to part 15 of the FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this product in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Copyright

Copyright Grass Valley Nederland B.V. 2016. Copying of this document and giving it to others, and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design. Liable to technical alterations in the course of further development.

Trademarks

Grass Valley, LDX Series and derivatives are trademarks of Belden Inc. or Grass Valley. All other tradenames referenced are service marks, trademarks, or registered trademarks of their respective companies.

Website

Visit the Grass Valley public website to download the latest user's guide updates and additional information about your broadcast product:

www.grassvalley.com

Recycling

Visit www.grassvalley.com for recycling information.

Important information

This information is intended as a guide for trained and qualified personnel who are aware of the dangers involved in handling potentially hazardous electrical / electronic equipment. It is not intended to contain a complete list of all safety precautions which should be observed by personnel in using this or other electronic equipment.

The installation, maintenance and service of this equipment involves risks both to personnel and equipment and must be performed only by qualified personnel exercising due care.

Personnel engaged in the installation, operation, maintenance or servicing of this equipment are urged to become familiar with First Aid theory and practises.

During installation and operation of this equipment, local building safety and fire protection standards must be observed.

Whenever it is likely that safe operation is impaired, the apparatus must be made inoperative and secured against any unintended operation. The appropriate servicing authority must then be informed. For example, safety is likely to be impaired if the apparatus fails to perform intended function or shows visible damage.

Warnings and Cautions

When performing service, be sure to read and comply with the warning and caution notices appearing in the manuals. Warnings indicate danger that requires correct procedures or practices to prevent death or injury to personnel. Cautions indicate procedures or practices that should be followed to prevent damage or destruction to equipment to property.

Warnings

- THE CURRENTS AND VOLTAGES PRESENT IN THIS EQUIPMENT ARE DANGEROUS. ALL PERSONNEL MUST AT ALL TIMES FOLLOW THE SAFETY REGULATIONS.
- ALWAYS DISCONNECT POWER BEFORE REMOVING COVERS OR PANELS.
- ALWAYS DISCHARGE HIGH VOLTAGE POINTS BEFORE SERVICING.
- NEVER MAKE INTERNAL ADJUSTMENTS, PERFORM MAINTENANCE OR SERVICE WHEN ALONE OR WHEN FATIGUED.
- IN CASE OF AN EMERGENCY ENSURE THAT THE POWER IS DISCONNECTED.
- ANY INTERRUPTION OF THE PROTECTION CONDUCTOR INSIDE OR OUTSIDE THE APPARATUS, OR DISCONNECTION OF THE PROTECTIVE EARTH TERMINAL, IS LIKELY TO MAKE THE APPARATUS DANGEROUS. INTENTIONAL INTERRUPTION IS PROHIBITED.
- USE ONLY FUSES OF THE TYPE AND RATING SPECIFIED.

Cautions

- To prevent risk of overheating, ventilate the product correctly.

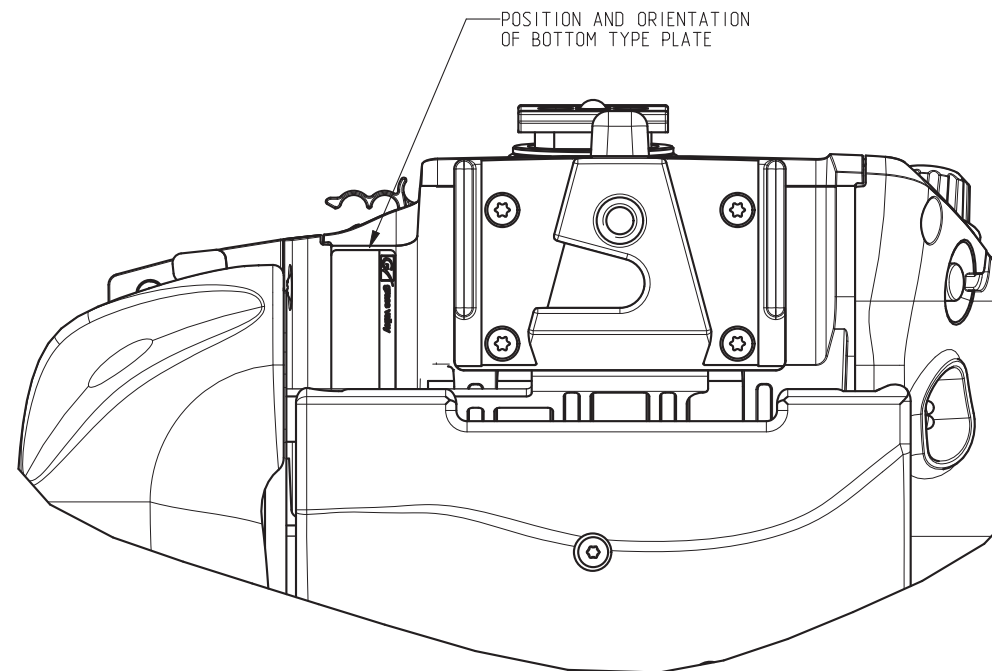
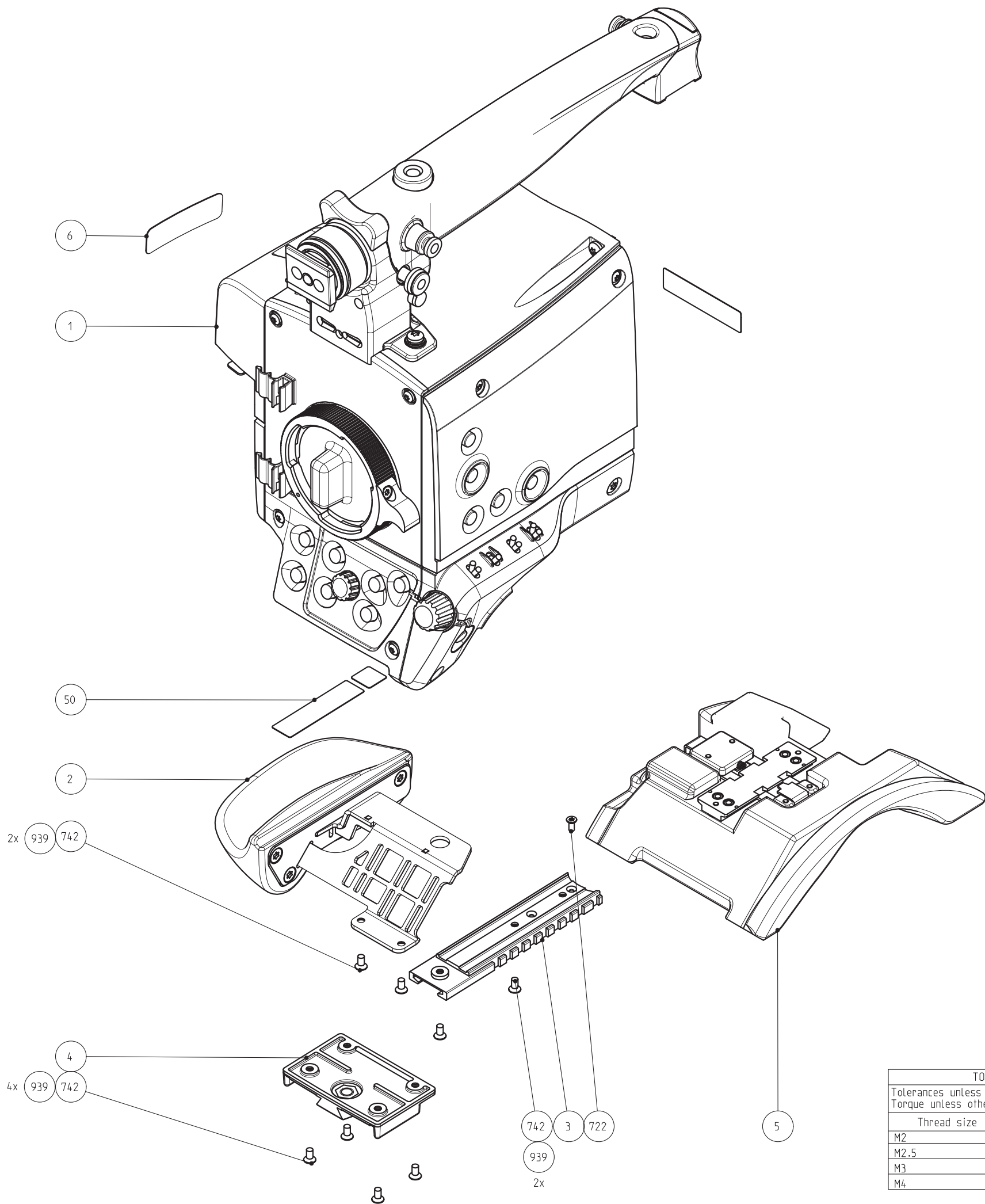
1-0108604-0000 LDX86n 4K

List of Field Replacable Units (FRUs):

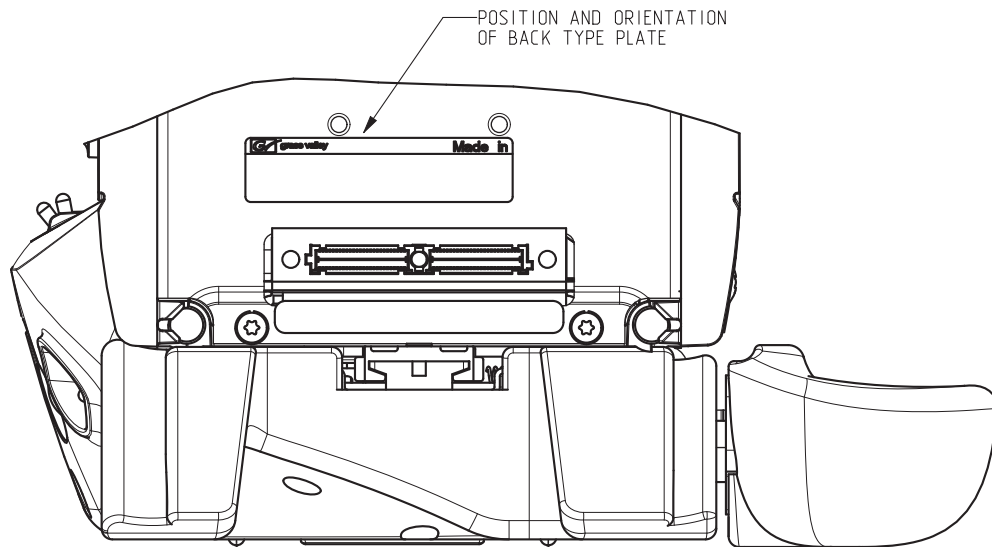
Pos	Part Number	Description
2	510-00006-01	SIDEGRIP ASSY
4	3922 407 57421	V-BLOCK MACHINED
5	510-00009-01	SHOULDERPAD ASSY
722	2522 203 04013	CSK SCR STL ST M2,5x6
742	2522 203 04023	CSK SCR STL ST M3X6

Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



SCALE 1:1



SCALE 1:1

ALSO VALID FOR: 1-0108603-0000 LDX86n HiSpeed
1-0108604-0000 LDX86n 4K
1-0108606-0000 LDX86n XtremeSpeed
1-0108608-0000 LDX86n Universe

TORQUE TABLE	
Tolerances unless otherwise stated: $\pm 10\%$	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

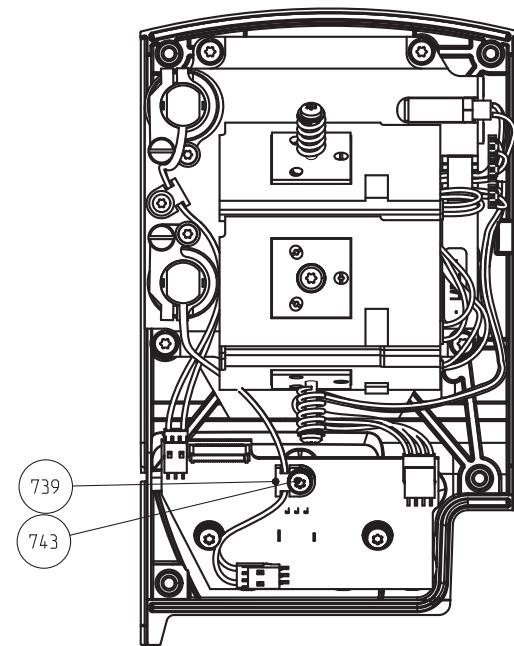
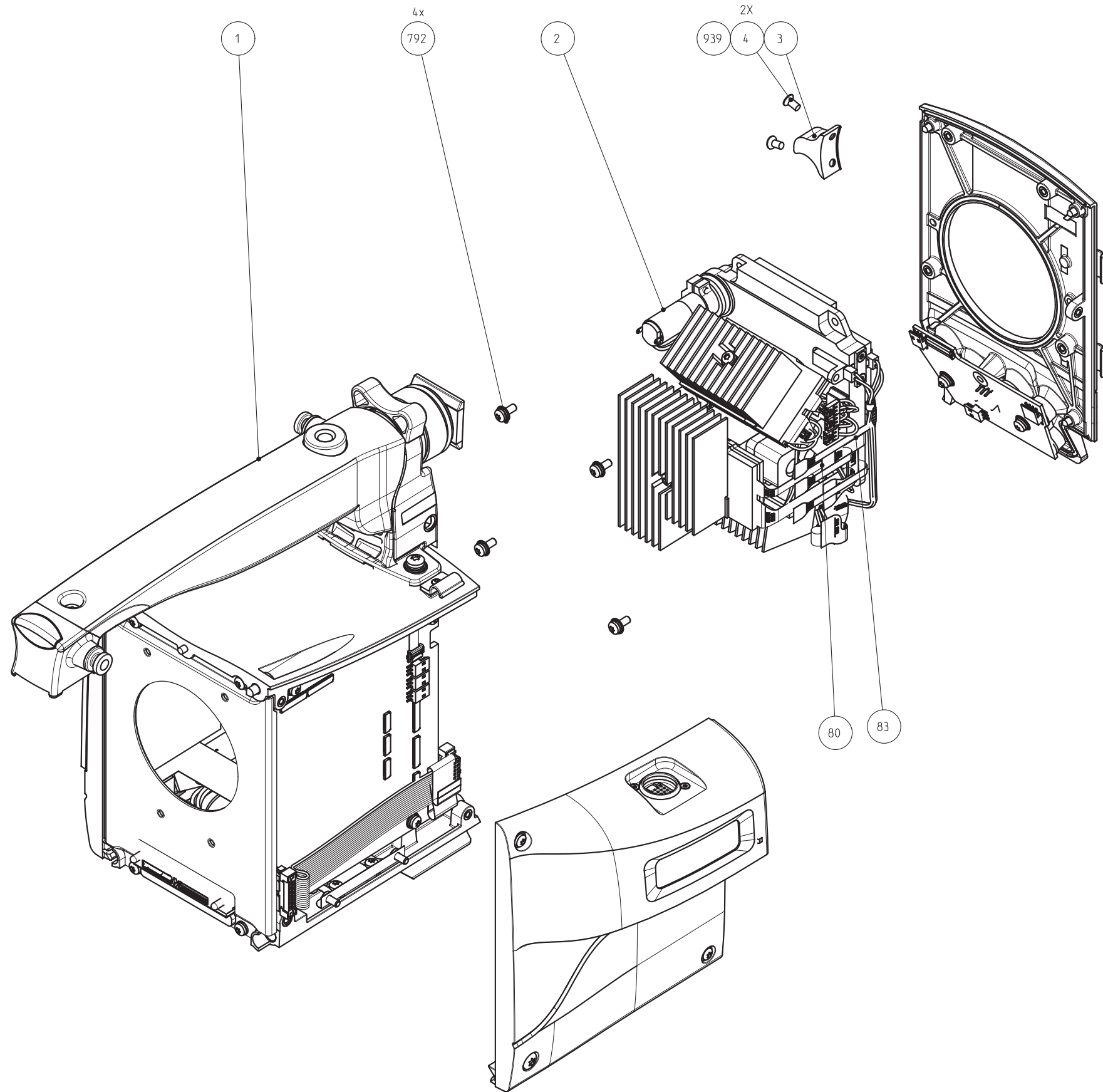
MATERIAL AND FINISHES MUST BE RoHS COMPLIANT		DOCUMENT NUMBER: SHEET:043-01	Rev: .	Name: .	Date: .
DESCRIPTION: LDX 86n WORLD CAM		1 0108601 0000	ES	2016-01-15	
GENERAL ROUGHNESS: Ra 3.2 um	IF TOLERANCE AND TOLERANCE TABLE ARE ABSENT THEN APPLY DIM ± 0.2 ANGLE $\pm 1^\circ$	UNIT: mm	SCALE: 7:10	FORMAT: A2	SHEET: 1/1

500-00046-01 GNDLS HEAD LDX86n

List of Field Replacable Units (FRUs):

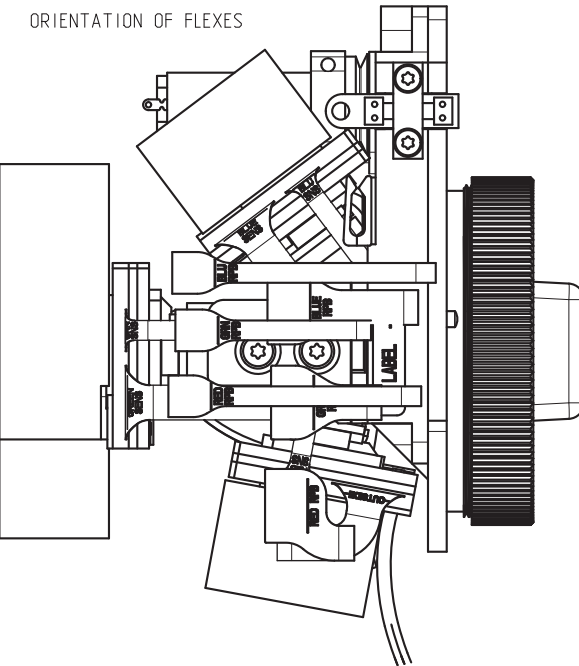
Pos	Part Number	Description
2	500-00048-01	FRONT MODULE CMOS 4K
3	3922 404 44032	BAJONET RING GRIP
4	8322 299 71887	CSK SCR STL ST M3X6 BLACK
792	326-00006-01	COMBI SCR PAN STL ST M3X8

Maintenance Manual



REMOVE EXISTING SCREW AND WASHERS.
PLACE THE CLAMP (POS 739) AS INDICATED.
FIX THE CLAMP USING COUNTERSUNK SCREW (POS 743)

MAKE SURE THE CABLE IS NOT CLAMPED,
BUT RUNS FREELY UNDER POS 739



SCALE 1:1

TORQUE TABLE	
Tolerances unless otherwise stated: $\pm 10\%$ Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

MATERIAL AND FINISHES MUST BE RoHS COMPLIANT			
 grass valley	DOCUMENT NUMBER: SHEET:043-01	500 00046	01
		ES	2016-01-15
DESCRIPTION: GNDLS HEAD LDX86n			
GENERAL ROUGHNESS: Ra 3.2 um	IF TOLERANCE AND TOLERANCE TABLE ARE ABSENT THEN APPLY DIM ± 0.2 ANGLE $\pm 1^\circ$	UNIT: mm	SCALE: 7:10
		FORMAT: A2	SHEET: 1/1

Rev:	Name:	Date:
.		
.		
.		
.		
ES	2016-01-15	
E. SCHMIT		

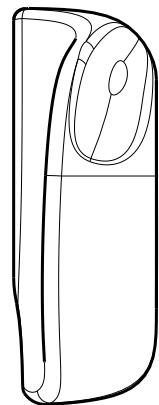
510-00006-01 SIDEGRIP ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
3	2522 203 04035	CSK SCR STL ST M4X10

Maintenance Manual

THIS DOCUMENT IS UNCLASSIFIED
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



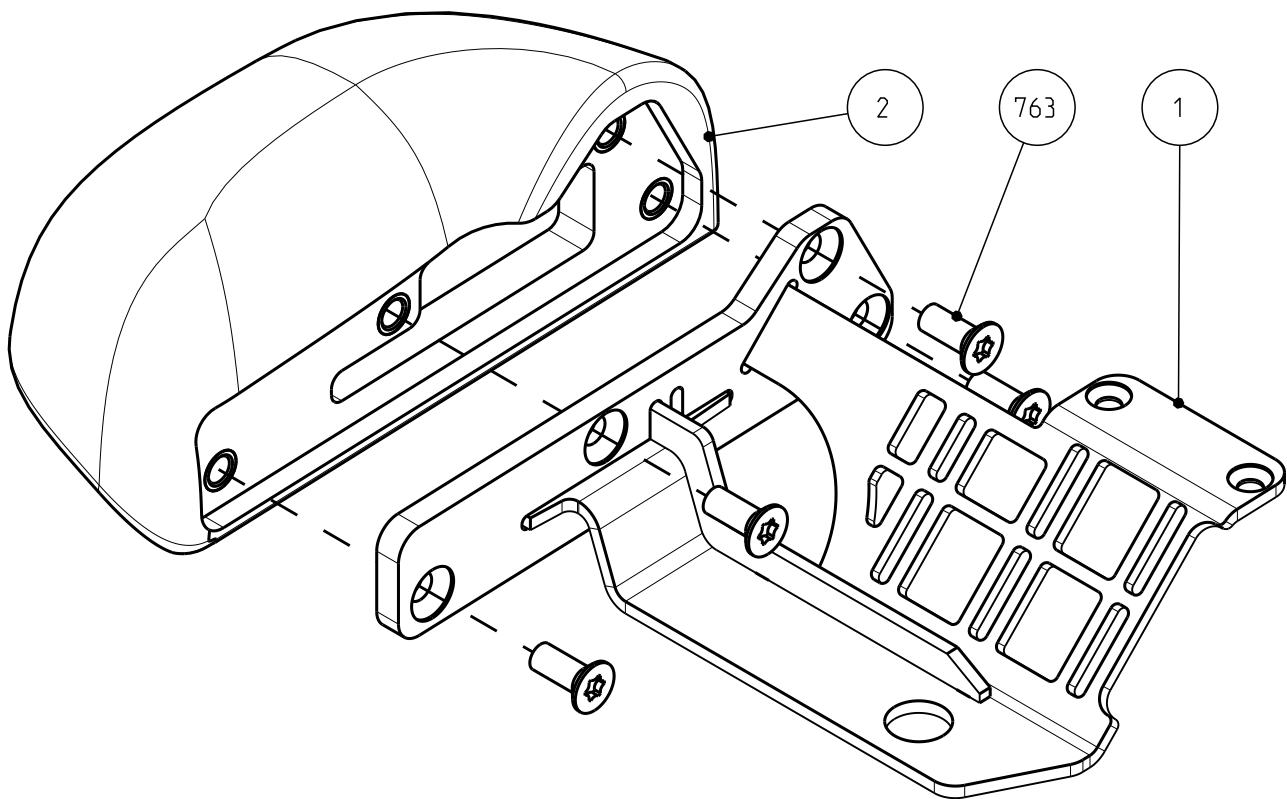
- | | | |
|----------|---------|-----------------|
| | | |
| ■ | ● ● ● ● | ● ● ● ● - - ● ● |
| ■ | ● ● ● ● | ● ● ● ● - - ● ● |
| ■ | ● ● ● ● | ● ● ● ● - - ● ● |
| ■ | ● ● ● ● | ● ● ● ● - - ● ● |
| 1 | ● ● ● ● | ● ● ● ● - - ● ● |

Rev	Name	Date
		SCALE
		1:2

 grass valley	DOCUMENT NUMBER		FORMAT	SHEET
	510-00006		A4	1/2
	RELEASE LEVEL:	...	110-01	.



Pos	Posnr	Qty	Description	12nc
1		1	SIDEGRIP FRAME ASSY	510-00007
2		1	SIDE GRIP PAINTED	510-00020
763	763	4	CSK SCR STL ST M4x10	2522-203-04035

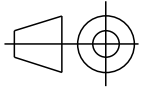


TORQUE TABLE

Tolerances unless otherwise stated: $\pm 10\%$
Torque unless otherwise stated:

Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

- MATERIAL AND FINISHES MUST BE RoHS COMPLIANT
- MATERIAL OR PACKAGING MUST BE MARKED WITH RoHS COMPLIANCE MARKING OR LABEL

MATERIAL:				SCALE
TREATMENT:				1:2
FINISH:				UNIT
DRAWN BY:	DATE:	GENERAL ROUGHNESS:	TOLERANCES UNLESS OTHERWISE STATED:	mm
M. de Waal	2014-05-16	Ra 3.2 n um	DIMENSION: $\pm 0,2$ ANGLE: $\pm 1^\circ$	

TITLE:	SIDEGRIP ASSY
--------	----------------------

	DOCUMENT NUMBER	FORMAT	SHEET
	510-00006	A4	2/2
	RELEASE LEVEL: ...	110-01	.

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY

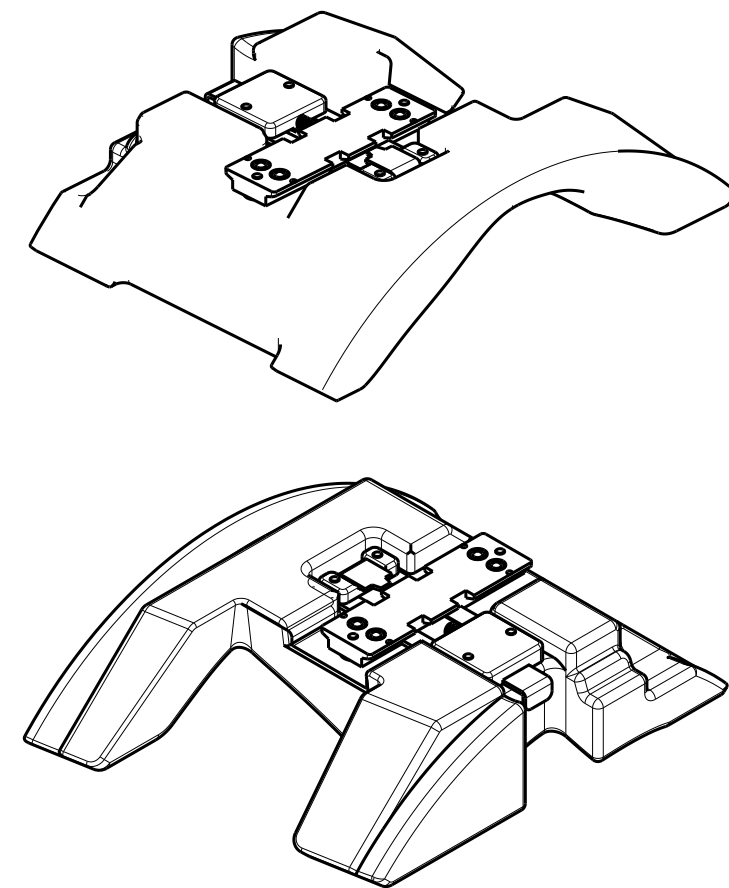
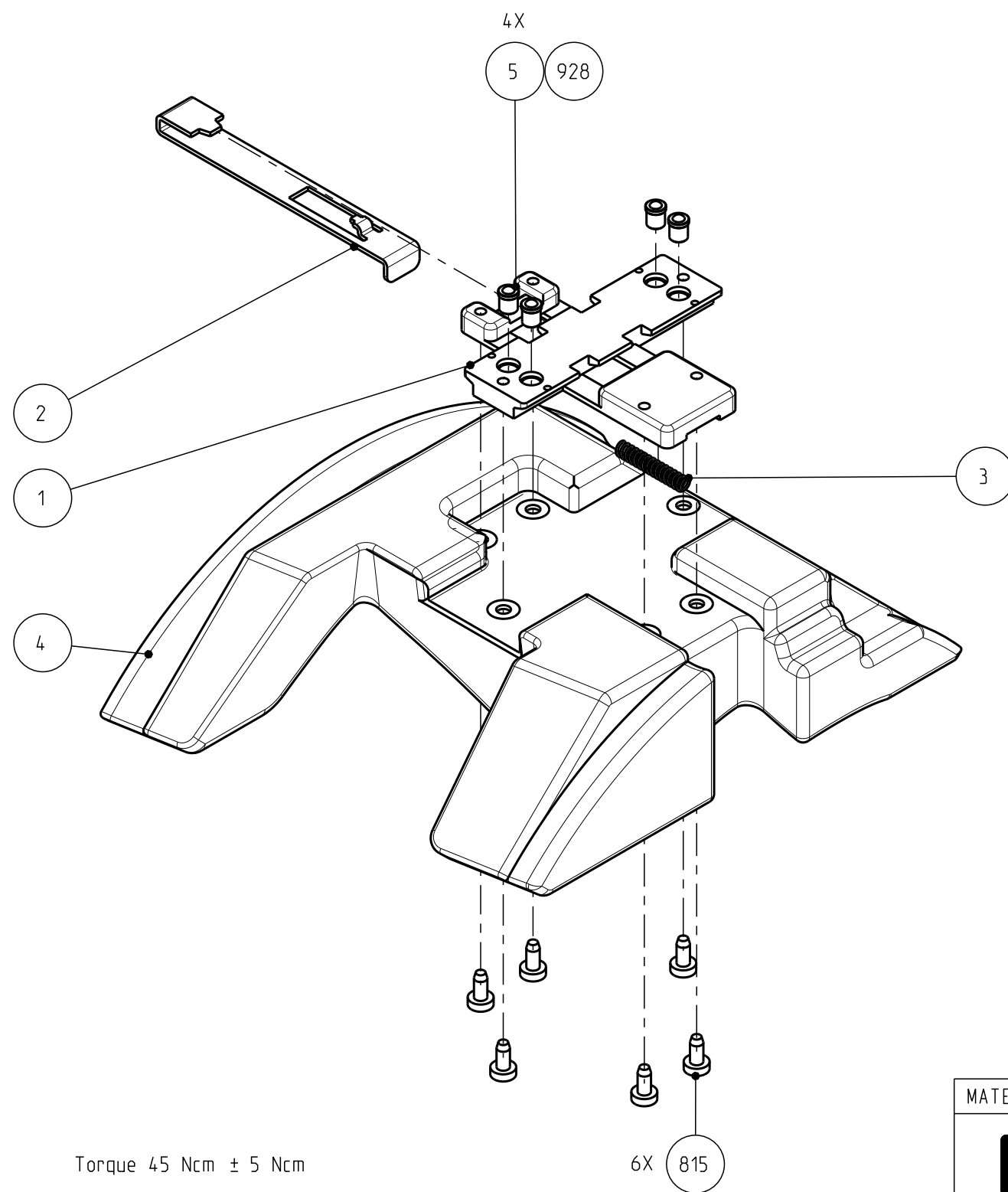
510-00009-01 SHOULDERPAD ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
	510-00009-01	SHOULDERPAD ASSY
815	2522 202 07005	PAN TAP SCR F ST T8 2,9X6,5

Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



ISOMETRIC VIEWS

MATERIAL AND FINISHES MUST BE RoHS COMPLIANT



DOCUMENT NUMBER: SHEET: 043-01

510-00009

01

MdW 2015-01-28

M. de Waal

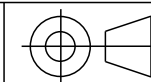
DESCRIPTION:

SHOULDERPAD ASSY

GENERAL ROUGHNESS:
Ra 3.2 um

IF TOLERANCE AND TOLERANCE
TABLE ARE ABSENT THEN APPLY
DIM ±0.2 ANGLE ±1°

UNIT:
mm



SCALE:
4:5

FORMAT:
A3

SHEET:
1/1

Rev:	Name:	Date:
.		-..-..
.		-..-..
.		-..-..
.		-..-..

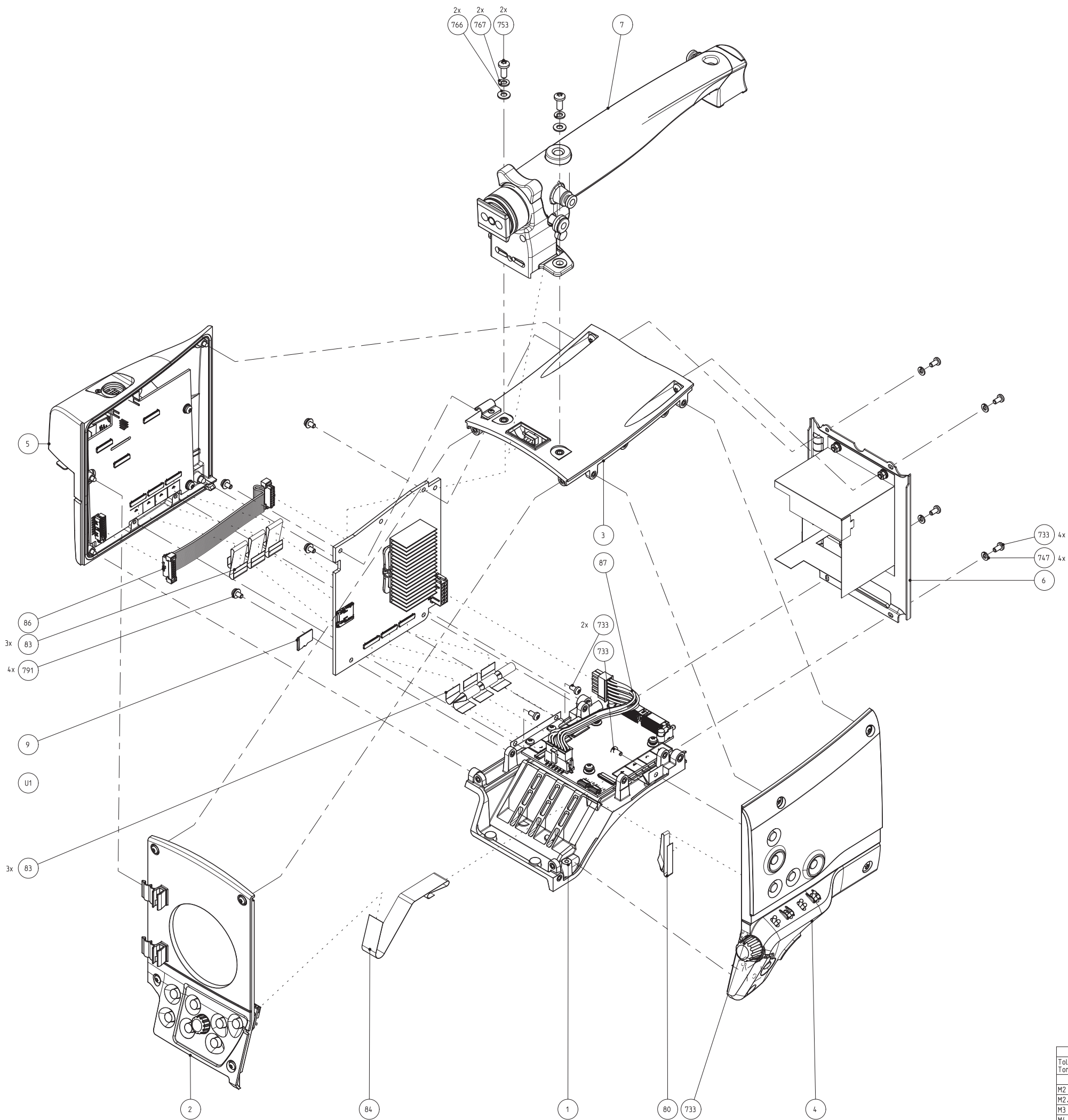
500-00047-01 CAMERA HEAD BASIC 4K

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
7	3922 407 40211	DIG.ZOOM HANDGRIP ASSY
80	2422 015 19425	CLB FLEX 10P FFC 0.5 SUMICARD TL=138MM 30V
83	524-00021-01	PCB F--- GENERIC FPC 45P 0.3MM L=68MM
84	524-00023-02	PCB F--- FPC 45P 0.3MM TL=160MM Au
86	3922 407 61442	POWER CABLE ASSY
87	3922 407 61435	12P WIRING POWER
733	2522 201 08031	TORX PAN HEAD SCREW M3X6
747	2522 613 12005	SPR WASH STL ST 3,1X5,7
753	2522 201 08049	PAN SCR STL ST M4X10
766	2522 600 27026	WASH STL ST 4,3X9
767	2522 613 12009	SPR WASH STL ST 4,1X7,1
791	326-00005-01	COMBI SCR PAN STL ST M3X6
U1	522-00048-01	PCBA HS 4K RPB

Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



TORQUE TABLE	
Tolerances unless otherwise stated: $\pm 10\%$	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

MATERIAL AND FINISHES MUST BE RoHS COMPLIANT		Rev:	Name:	Date:
		-	...	...
DOCUMENT NUMBER: SHEET:043-01		-	...	...
500 00047 01		-	...	...
DESCRIPTION: CAMERA HEAD BASIC 4K		-	...	...
GENERAL ROUGHNESS: Ra 3.2 um		ES	2016-04-20	E. SCHMIT
IF TOLERANCE AND TOLERANCE TABLE ARE ABSENT THEN APPLY DIM ± 0.2 ANGLE $\pm 1^\circ$		UNIT: mm	SCALE: 7:10	FORMAT: A1
				SHEET: 1/1

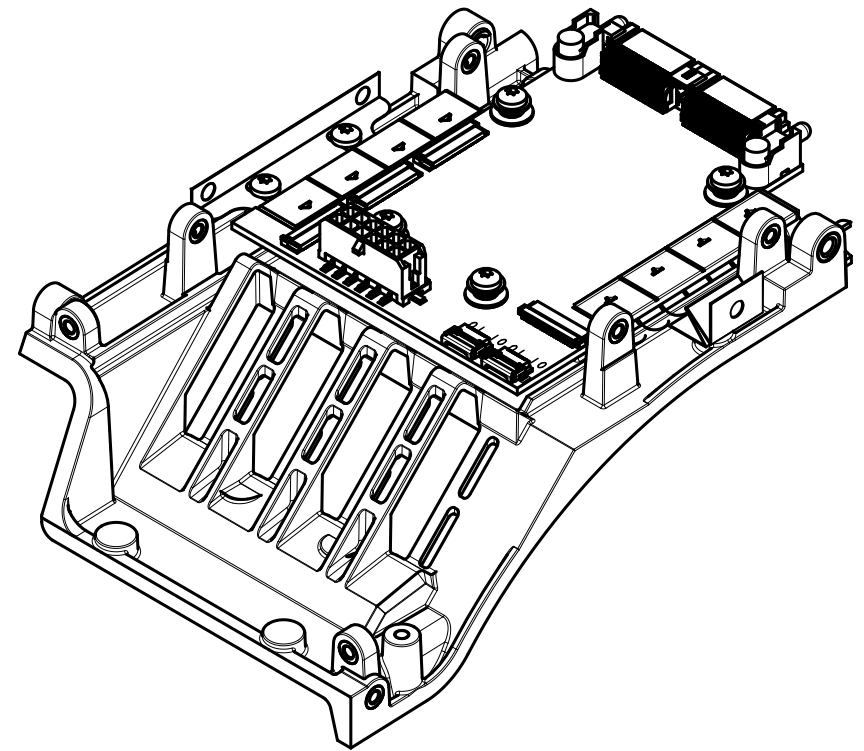
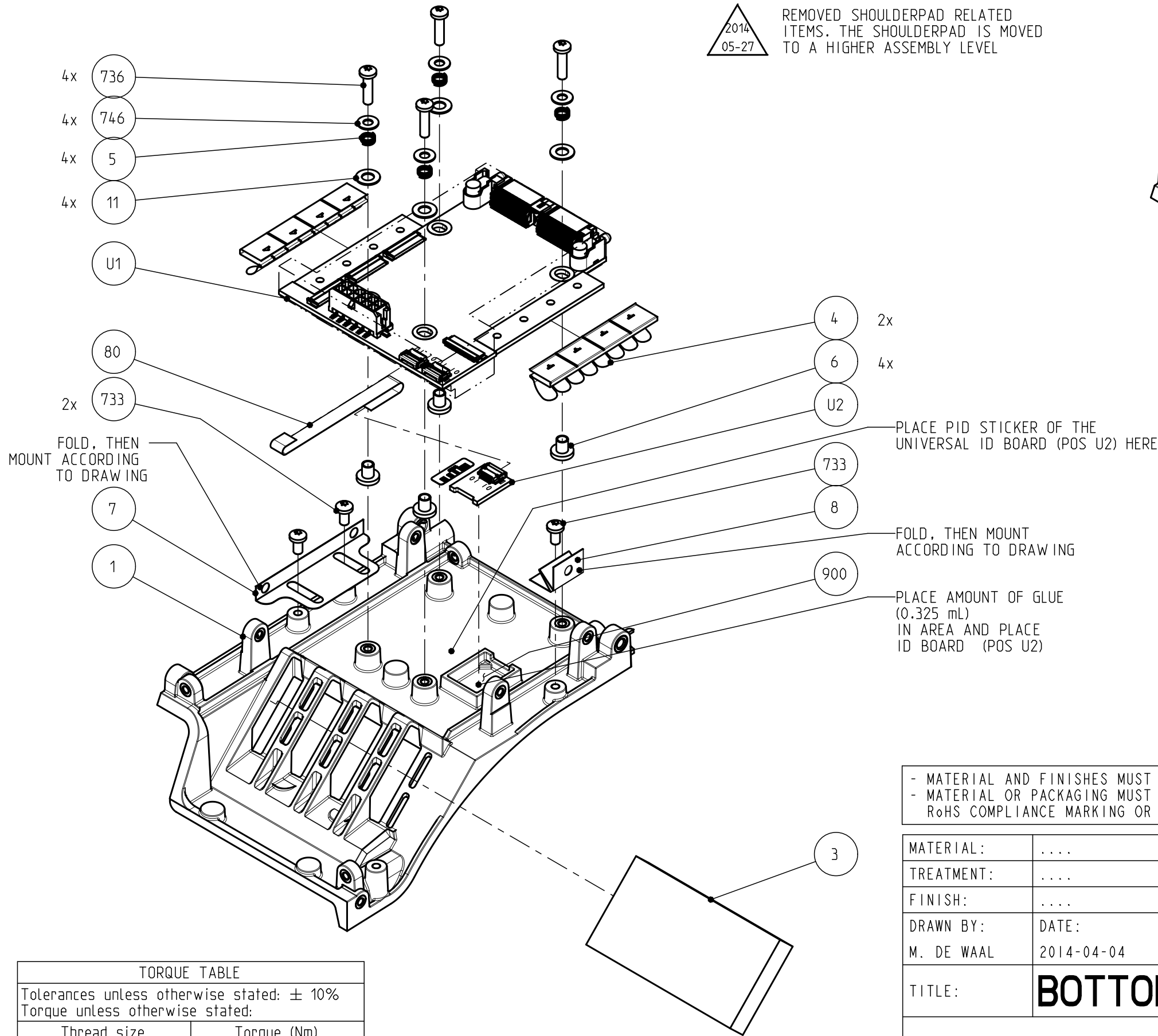
3922 407 55801 BOTTOM PLATE ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
4	3922 407 62301	EMC MATERIAL CLIP-ON
5	3922 203 00273	SPR CMP 4.57 X 6.35 0.53 NMM STL ST
7	3922 405 08092	RIGHT COVER STRAIN RELIEF
8	3922 405 08103	LEFT COVER STRAIN RELIEF
11	3922 203 00303	WSH PLN 8x4.1x0.5 PA
80	2422 015 18547	CLB FLEX 10P FFC 0.5 SUMICARD TL=78MM 30V
733	2522 201 08031	TORX PAN HEAD SCREW M3X6
736	2522 201 08034	PAN SCR STL ST M3X12
746	2522 600 27017	WASH STL ST 3,2X7
U1	3922 406 56001	INTERCON. POWER BRD

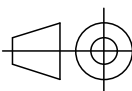
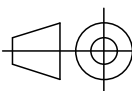
Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



TORQUE TABLE	
Tolerances unless otherwise stated: $\pm 10\%$	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

- MATERIAL AND FINISHES MUST BE RoHS COMPLIANT
- MATERIAL OR PACKAGING MUST BE MARKED WITH RoHS COMPLIANCE MARKING OR LABEL

MATERIAL:						SCALE
TREATMENT:						7:10
FINISH:						
DRAWN BY:	DATE:	GENERAL ROUGHNESS:	TOLERANCES UNLESS OTHERWISE STATED:			UNIT
M. DE WAAL	2014-04-04	Ra 3.2 n um	DIMENSION:±	ANGLE: ±°		
TITLE:	BOTTOM PLATE ASSY					
 grass valley		DOCUMENT NUMBER		FORMAT	SHEET	
		3922 407 5580		A3	1/1	
		RELEASE LEVEL:		110-01	120	

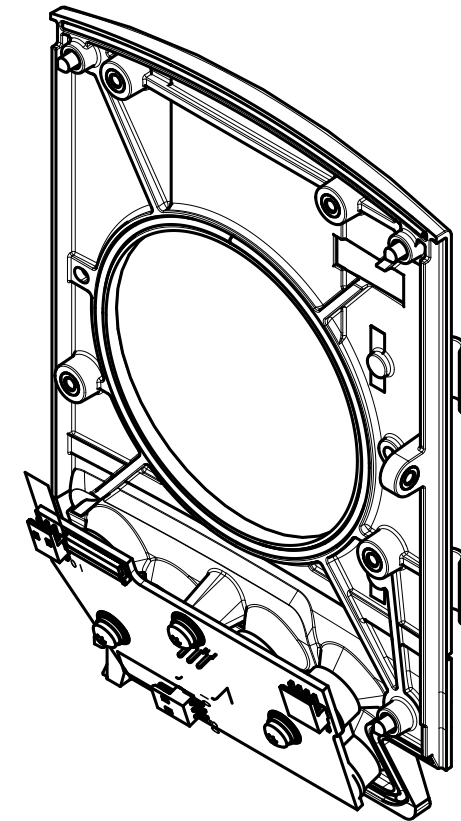
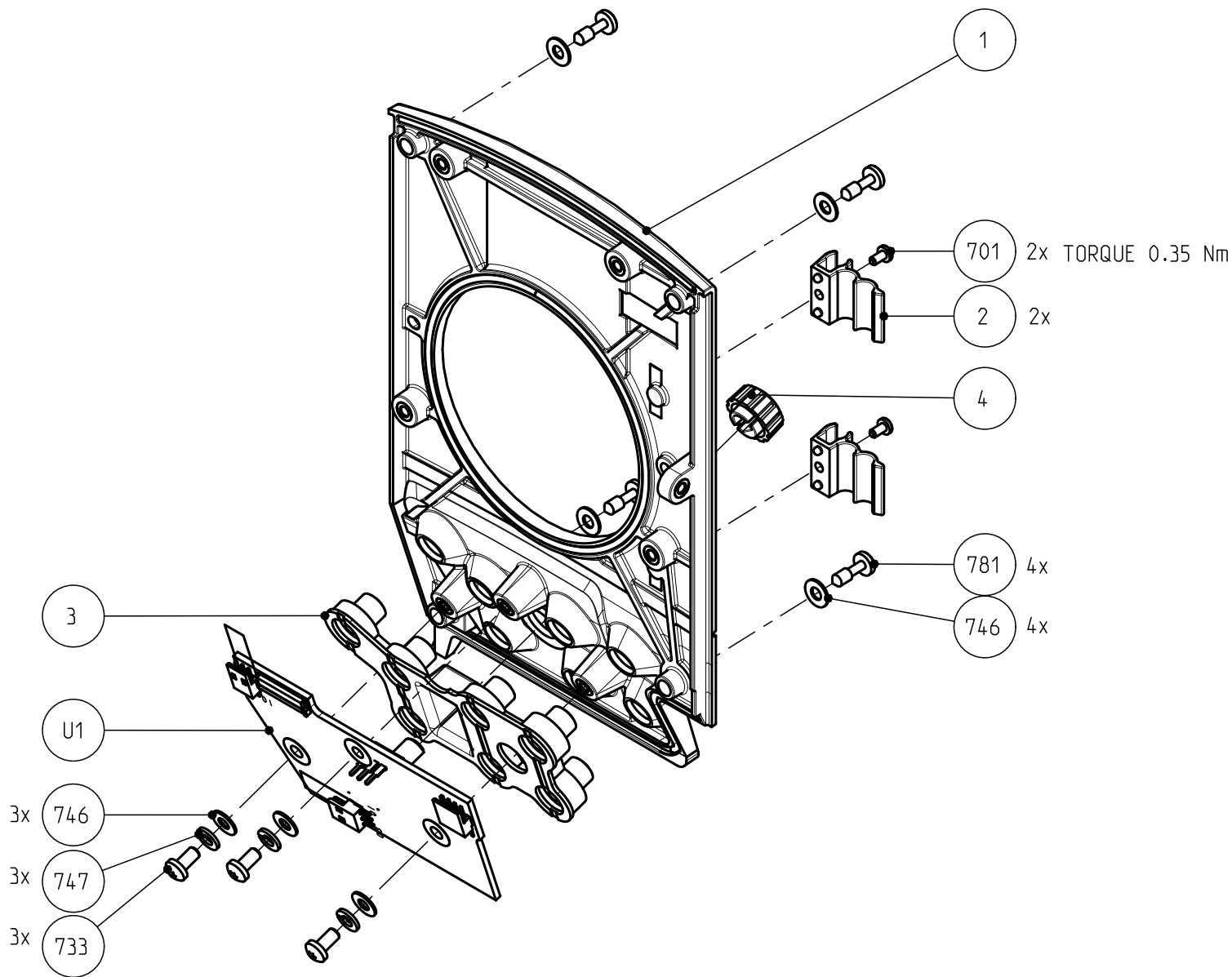
3922 407 55811 FRONT PLATE ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
2	3922 400 10041	CABLECLAMP
4	3922 400 11642	VOLUME KNOB
746	2522 600 27017	WASH STL ST 3,2X7
781	2522 200 03024	PAN CAP SCR STL.ST M3x10
U1	3922 406 55981	FRONT SWITCH PANEL
791	326-00005-01	COMBI SCR PAN STL ST M3X6

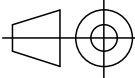
Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



- MATERIAL AND FINISHES MUST BE RoHS COMPLIANT
- MATERIAL OR PACKAGING MUST BE MARKED WITH
RoHS COMPLIANCE MARKING OR LABEL

1	ES	2015-02-04
Rev	Name	Date

MATERIAL:						SCALE
TREATMENT:						7:10
FINISH:						
DRAWN BY:	DATE:	GENERAL ROUGHNESS:	TOLERANCES UNLESS OTHERWISE STATED:		UNIT	
E. SCHMIT	2012-11-18	Ra 3.2 n um	DIMENSION:±0,2	ANGLE: ±1°		mm
TITLE:	FRONT PLATE ASSY					
		DOCUMENT NUMBER		FORMAT	SHEET	
		3922 407 5581		A3	1/1	
		RELEASE LEVEL:		110-01	120	

TORQUE TABLE	
Tolerances unless otherwise stated: ± 10%	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

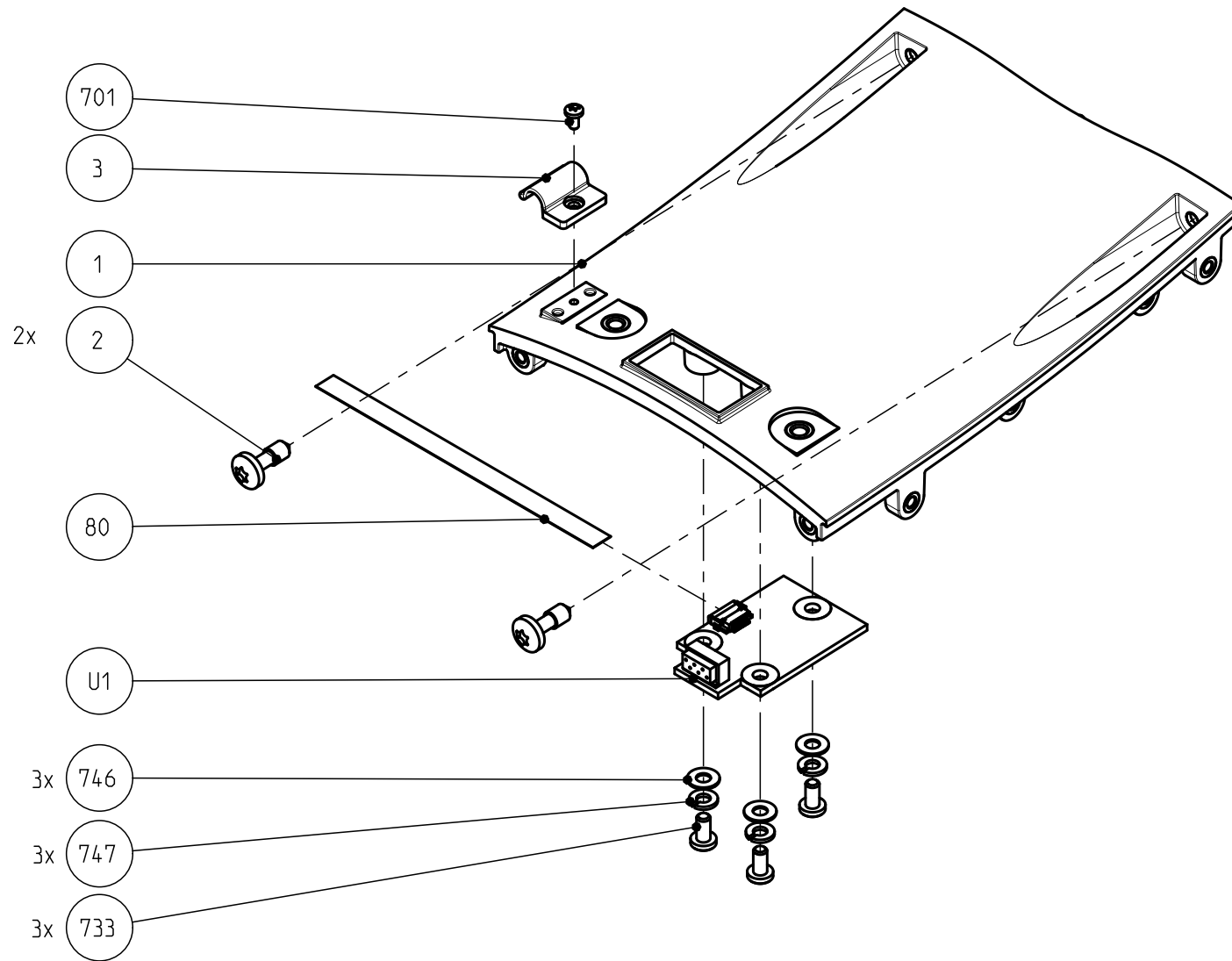
500-00006-01 TOP PLATE ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
2	2522 200 03032	PAN CAP SCR STL.ST M4x12
80	2422 015 18547	CLB FLEX 10P FFC 0.5 SUMICARD TL=78MM 30V
791	326-00005-01	COMBI SCR PAN STL ST M3X6
U1	3922 406 56021	PCBA Handgrip IF Board

Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



TORQUE TABLE	
Tolerances unless otherwise stated: $\pm 10\%$	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

MATERIAL AND FINISHES MUST BE RoHS COMPLIANT



DOCUMENT NUMBER: SHEET:043-01

500 00006

01

ES 2014-03-24

E. SCHMIT

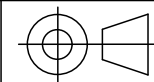
DESCRIPTION:

TOP PLATE ASSY

GENERAL ROUGHNESS:
Ra 3.2 um

IF TOLERANCE AND TOLERANCE
TABLE ARE ABSENT THEN APPLY
DIM ± 0.2 ANGLE $\pm 1^\circ$

UNIT:
mm



SCALE:
7:10

FORMAT:
A3

SHEET:
1/1

Rev:	Name:	Date:
.		-...-...
.		-...-...
.		-...-...
.		-...-...

3922 407 55841 COVER LEFT ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
9	3922 400 11651	ROTARY KNOB
10	2522 200 03032	PAN CAP SCR STL.ST M4x12
13	3922 405 08103	LEFT COVER STRAIN RELIEF
U1	3922 406 55991	PCBA LSP BOARD
U2	3922 406 56141	PCBA LSP Rotary Board
81	3922 205 00005	CLB FLEX 10P FFC 0.5 SUMICARD TL=46MM 30V
82	3922 407 26063	POWER SWITCH ASSY
733	2522 201 08031	TORX PAN HEAD SCREW M3X6
746	2522 600 27017	WASH STL ST 3,2X7
766	2522 600 27026	WASH STL ST 4,3X9
781	2522 200 03024	PAN CAP SCR STL.ST M3x10
791	326-00005-01	COMBI SCR PAN STL ST M3X6

Maintenance Manual

THE FOAM SHOULD BE AROUND THE BUSHES OF THE SWITCHES
THEY SHOULD NOT BE ON TOP OF THE BUSHES.

TORQUE 1Nm (4x)

NUT SUPPLIED WITH
'LSP ROTARY BOARD' (POS: U2)

SEE DETAIL A

FOLD, THEN
MOUNT ACCORDING
TO DRAWING

REPLACED FASTNERS BY COMBI SCREW

TORQUE TABLE	
Tolerances unless otherwise stated: $\pm 10\%$	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

DETAIL A
SCALE 3:2

1. REMOVE ALL FASTNERS, EXCEPT ONE NUT. TAKE CARE THIS NUT IS FULLY SCREWED ONTO THE POWER SWITCH ASSY (POS 82).
2. PLACE WASHER (POS 12), THEN SCREW POWER SWITCH ASSY (POS 82) IN THE COVER LEFT PAINTED (POS 1). WHEN THE LIP OF THE WASHER TOUCHES THE ASSY, UNSCREW UNTIL THE LIP ALIGNS WITH THE SMALL HOLE IN ASSY.
3. THIGHTEN NUT FIXATING THE LIP IN THE HOLE.

- MATERIAL AND FINISHES MUST BE RoHS COMPLIANT
- MATERIAL OR PACKAGING MUST BE MARKED WITH
RoHS COMPLIANCE MARKING OR LABEL

MATERIAL:		SCALE 7:10	
TREATMENT:			
FINISH:		UNIT mm	
DRAWN BY:	DATE:		
M. DE WAAL	2012-04-04	GENERAL ROUGHNESS: Ra 3.2 n um	TOLERANCES UNLESS OTHERWISE STATED: DIMENSION: ± 0.2 ANGLE: $\pm 1^\circ$
TITLE:		COVER LEFT ASSY	
 grass valley		DOCUMENT NUMBER	FORMAT
		3922 407 5584	A2
RELEASE LEVEL:		110-01	120

Rev	Name	Date
1	MdW	2015-04-17

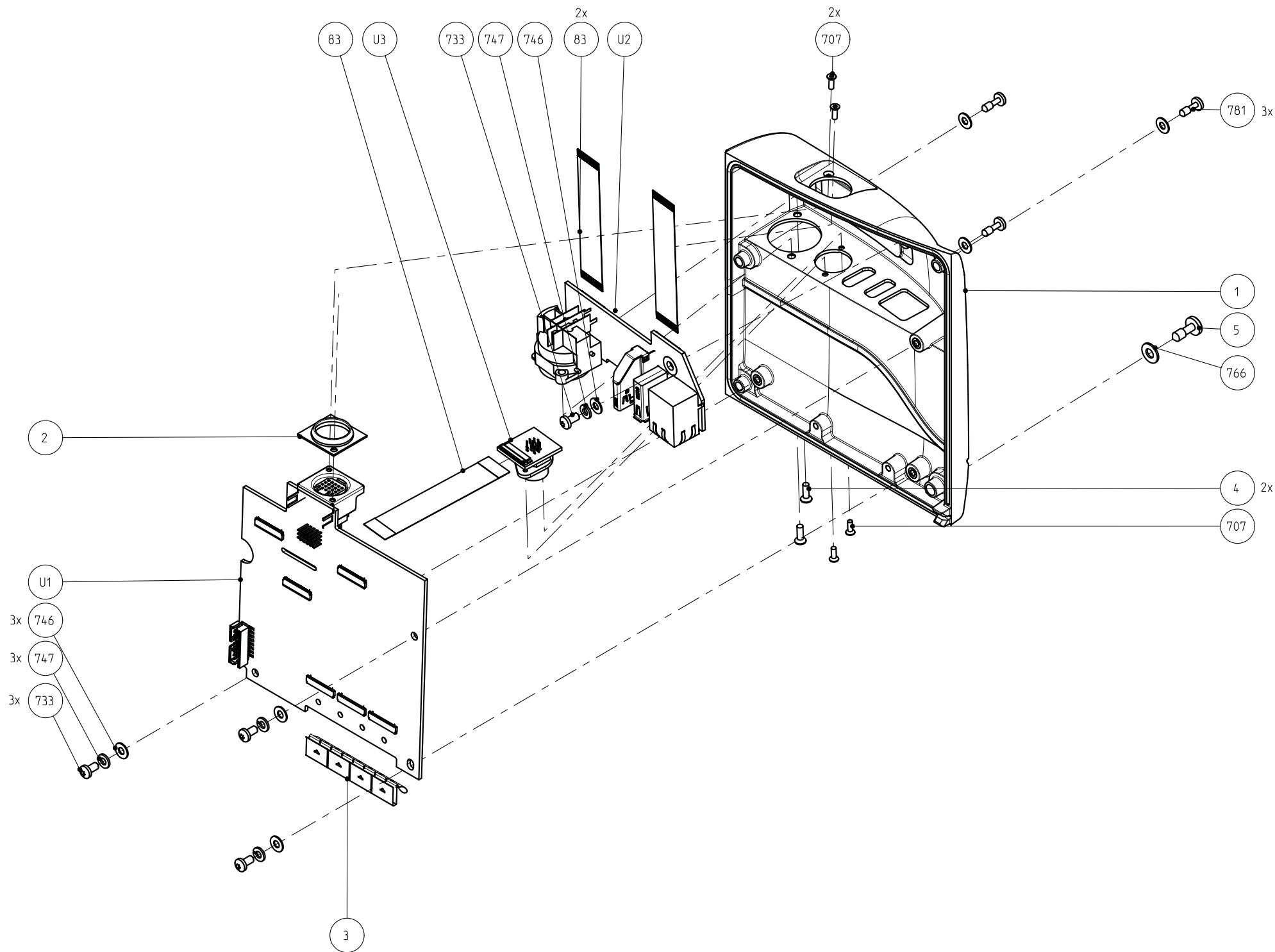
500-00004-01 COVER RIGHT ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
2	3922 400 08501	SEALING VF-CONNECTOR
3	3922 407 62301	EMC MATERIAL CLIP-ON
5	2522 200 03032	PAN CAP SCR STL.ST M4x12
83	3922 411 57321	PCB F--- GENERIC FPC 45P 0.3MM L=68MM
733	2522 201 08031	PAN SCR STL ST M3X6
746	2522 600 27017	WASH STL ST 3,2X7
747	2522 613 12005	SPR WASH STL ST 3,1X5,7
766	2522 600 27026	WASH STL ST 4,3X9
781	2522 200 03024	PAN CAP SCR STL.ST M3x10
U1	3922 406 57271	PCBA HS RCB
U2	3922 406 57401	PCBA HS HDMI AND MIC BOARD
U3	3922 406 56331	PCBA Lens and RS232 Board

Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



TORQUE TABLE	
Tolerances unless otherwise stated: $\pm 10\%$	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

MATERIAL AND FINISHES MUST BE RoHS COMPLIANT			
		DOCUMENT NUMBER:	SHEET:043-01
		50 00004	01
DESCRIPTION:		COVER RIGHT ASSY	
GENERAL ROUGHNESS:	IF TOLERANCE AND TOLERANCE TABLE ARE ABSENT THEN APPLY	UNIT:	SCALE:
Ra 3.2 um	DIM ± 0.2 ANGLE $\pm 1^\circ$	mm	7:10
		FORMAT:	SHEET:
		A2	1/1

Rev:	Name:	Date:
.		-..-..
.		-..-..
.		-..-..
.		-..-..
ES	2014-05-08	

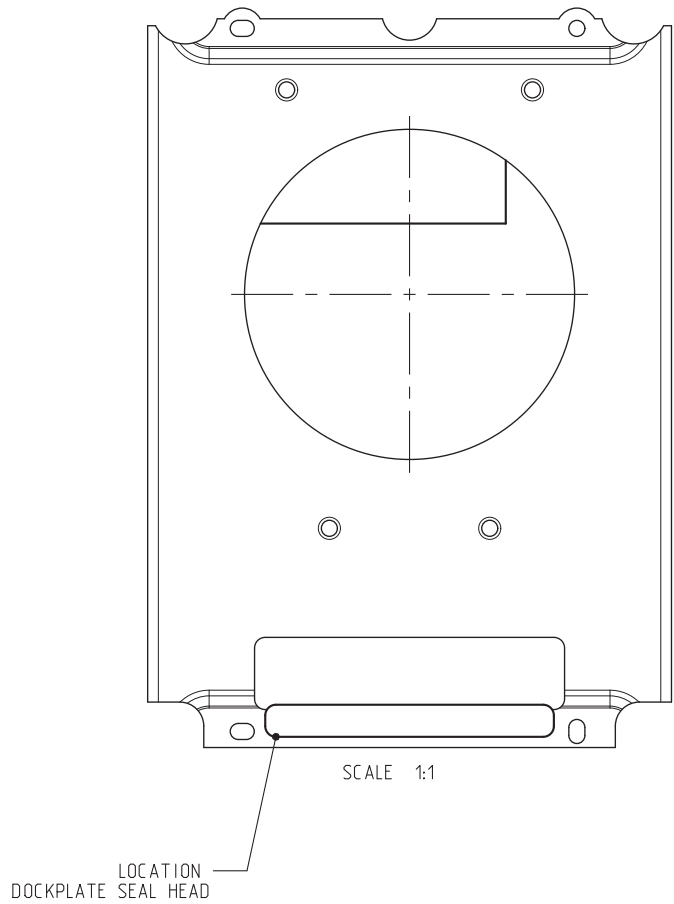
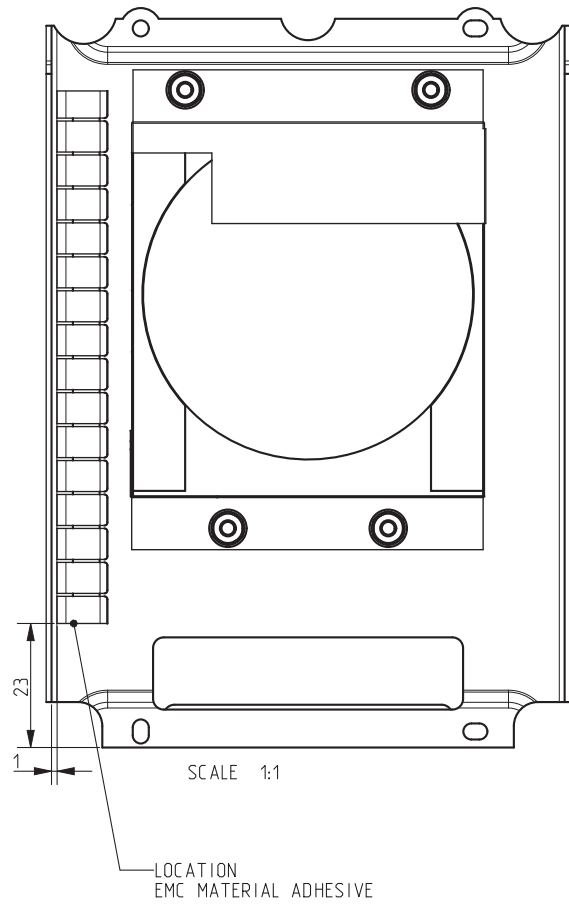
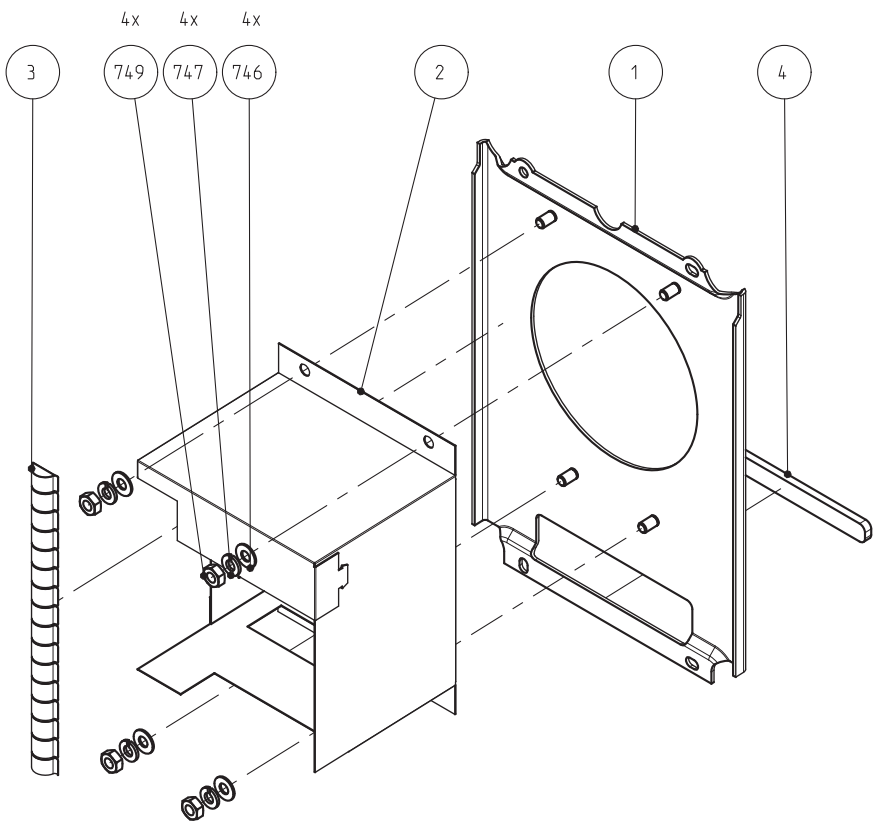
E. SCHMIT

500-00052-01 DOCKINGPLATE ASSY 4K

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
746	2522 600 27017	WASH STL ST 3,2X7
747	2522 613 12005	SPR WASH STL ST 3,1X5,7
749	2522 401 09008	HEX NUT STL ST M3

Maintenance Manual



TORQUE TABLE	
Tolerances unless otherwise stated: ± 10%	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

MATERIAL AND FINISHES MUST BE RoHS COMPLIANT			
		DOCUMENT NUMBER: SHEET:043-01	
		500 00052 01	
DESCRIPTION: DOCKINGPLATE ASSY		ES	2016-04-19
GENERAL ROUGHNESS: Ra 3.2 um		UNIT: mm	
IF TOLERANCE AND TOLERANCE TABLE ARE ABSENT THEN APPLY DIM ±0.2 ANGLE ±1°		SCALE: 7:10	
		FORMAT: A2	
		SHEET: 1/1	

Rev:	Name:	Date:
.		-..-..
.		-..-..
.		-..-..
.		-..-..
ES	2016-04-19	

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY

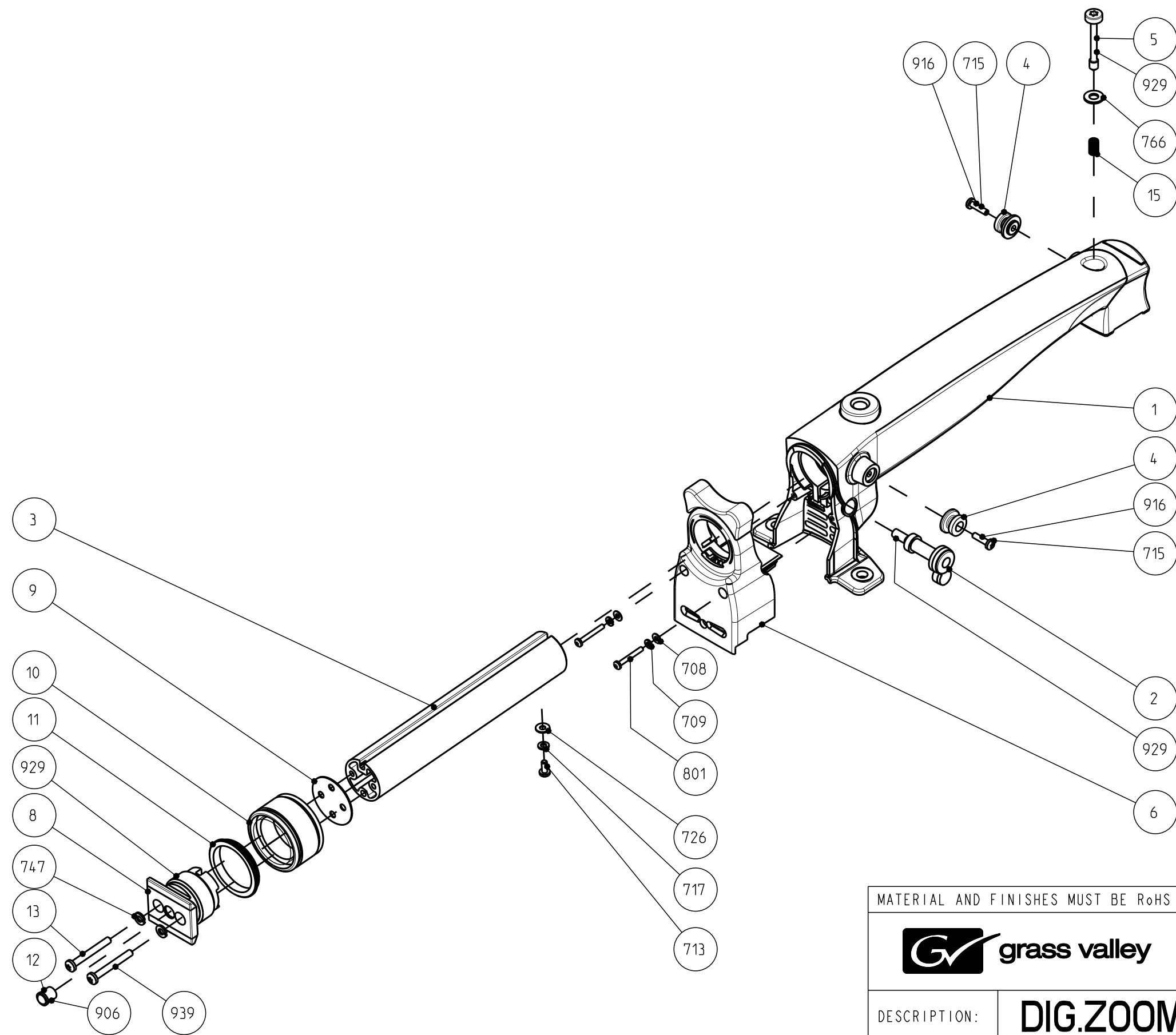
3922 407 40211 DIG.ZOOM HANDGRIP ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
766	2522 600 27026	WASH STL ST 4,3X9
726	2522 600 27137	WASH STL ST 2,7X6,5
708	2522 600 27151	WASH STL ST 2,2X5
747	2522 613 12005	SPR WASH STL ST 3,1X5,7
727	2522 613 12063	SPR WASH STL ST 2,6X5,1
312	2622 890 12077	SPRING LOADED BALL BUSH
311	3922 401 47881	VF-RING
304	3922 404 20073	BUSH
309	3922 404 21211	DISC
310	3922 404 22991	VF-NUT-LONG
308	3922 407 24012	VF SCREW LONG ASSY
301	3922 407 25346	HANDGRIP ASSY
302	3922 407 25553	CLAMPBOLT
316	3922 407 29211	TORX SCREW M2X16
313	3922 407 29221	TORX SCREW M3X25
303	3922 407 32581	VF PIPE LDK100
306	3922 407 39502	ZOOMCONTROL ASSY

Maintenance Manual

THIS DOCUMENT IS THE PROPERTY OF GRASS VALLEY
IT SHALL NOT BE REPRODUCED NOR TRANSMITTED TO A THIRD PARTY WITHOUT PRIOR WRITTEN
CONSENT OF THE COMPANY



MATERIAL AND FINISHES MUST BE RoHS COMPLIANT



DOCUMENT NUMBER: SHEET: 043-01

3922 407 4021

Rev:	Name:	Date:
1	MdW	2015-03-17
1	AvdP	2013-01-21
1	AvdP	2008-06-24
1	AvdP	2005-08-29
1	AvdP	2004-01-20
A. v.d. Pas		

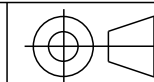
DESCRIPTION:

DIG.ZOOM HANDGRIP ASSY

GENERAL ROUGHNESS:
Ra 3.2 um

IF TOLERANCE AND TOLERANCE
TABLE ARE ABSENT THEN APPLY
DIM ± 0.2 ANGLE $\pm 1^\circ$

UNIT:
mm



SCALE:
1:2

FORMAT:
A3

SHEET:
1/1

3922 407 39502 ZOOMCONTROL ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
	3922 407 39502	ZOOMCONTROL ASSY
15	2522 201 08007	PAN SCR STL ST M2X12
708	2522 600 27151	WASH STL ST 2,2X5
2	3922 400 08713	ZOOMKNOB

Maintenance Manual

