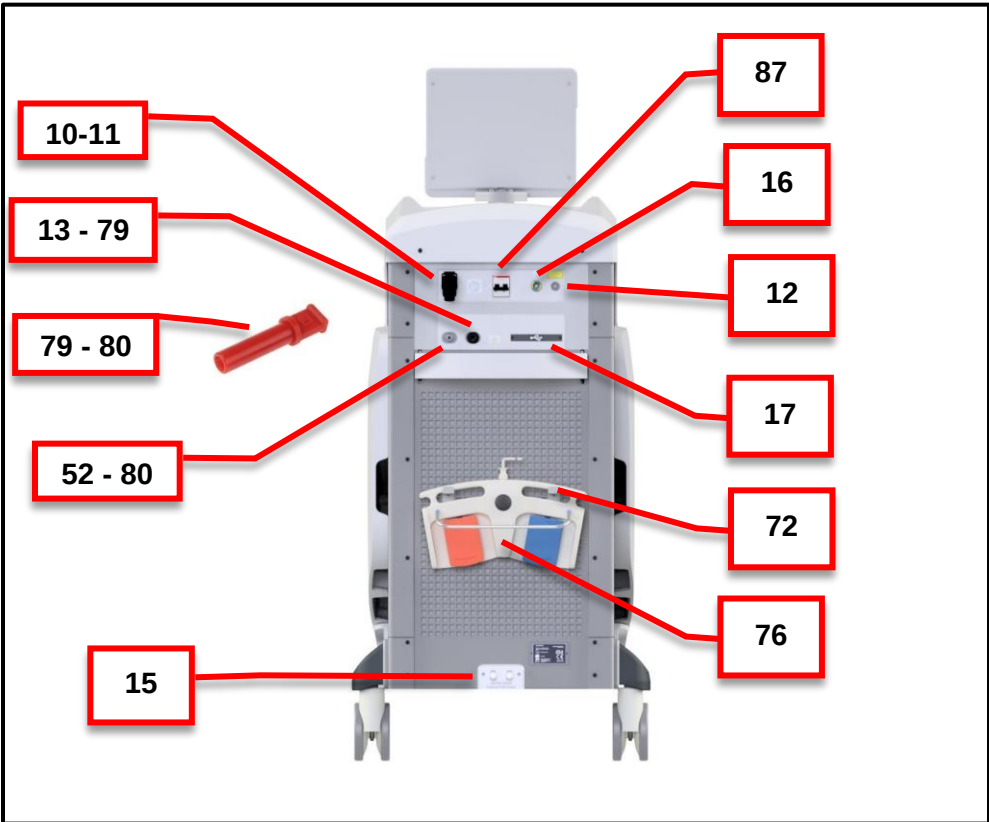
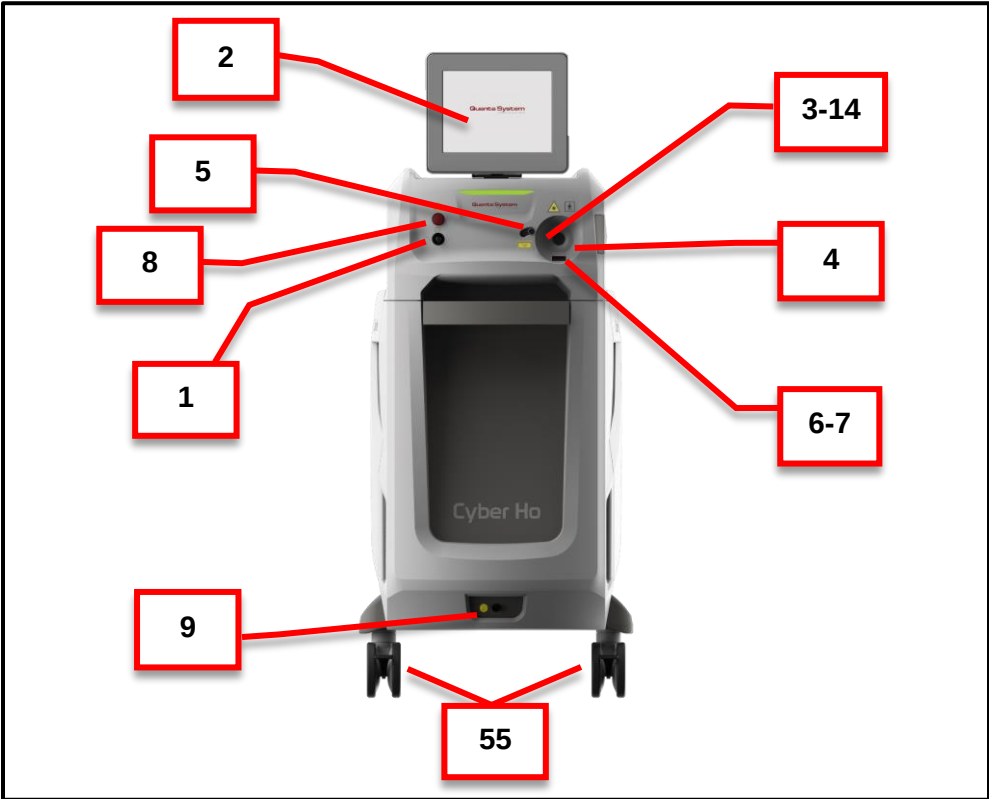
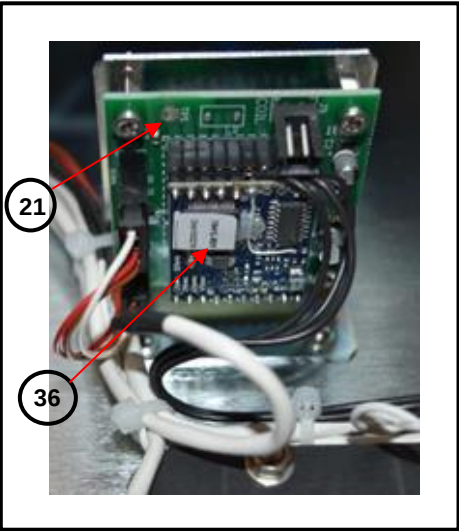
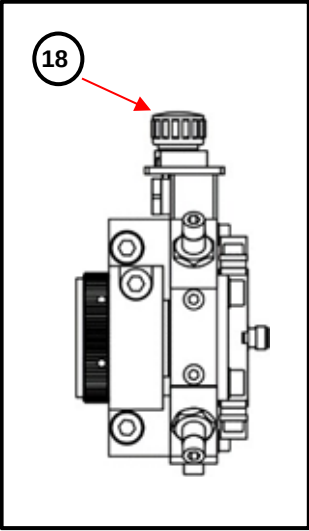
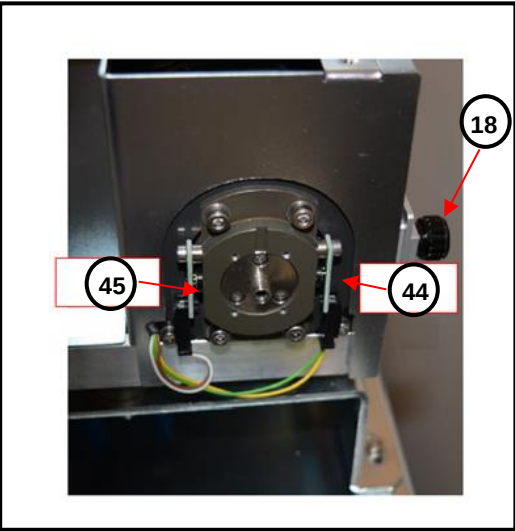
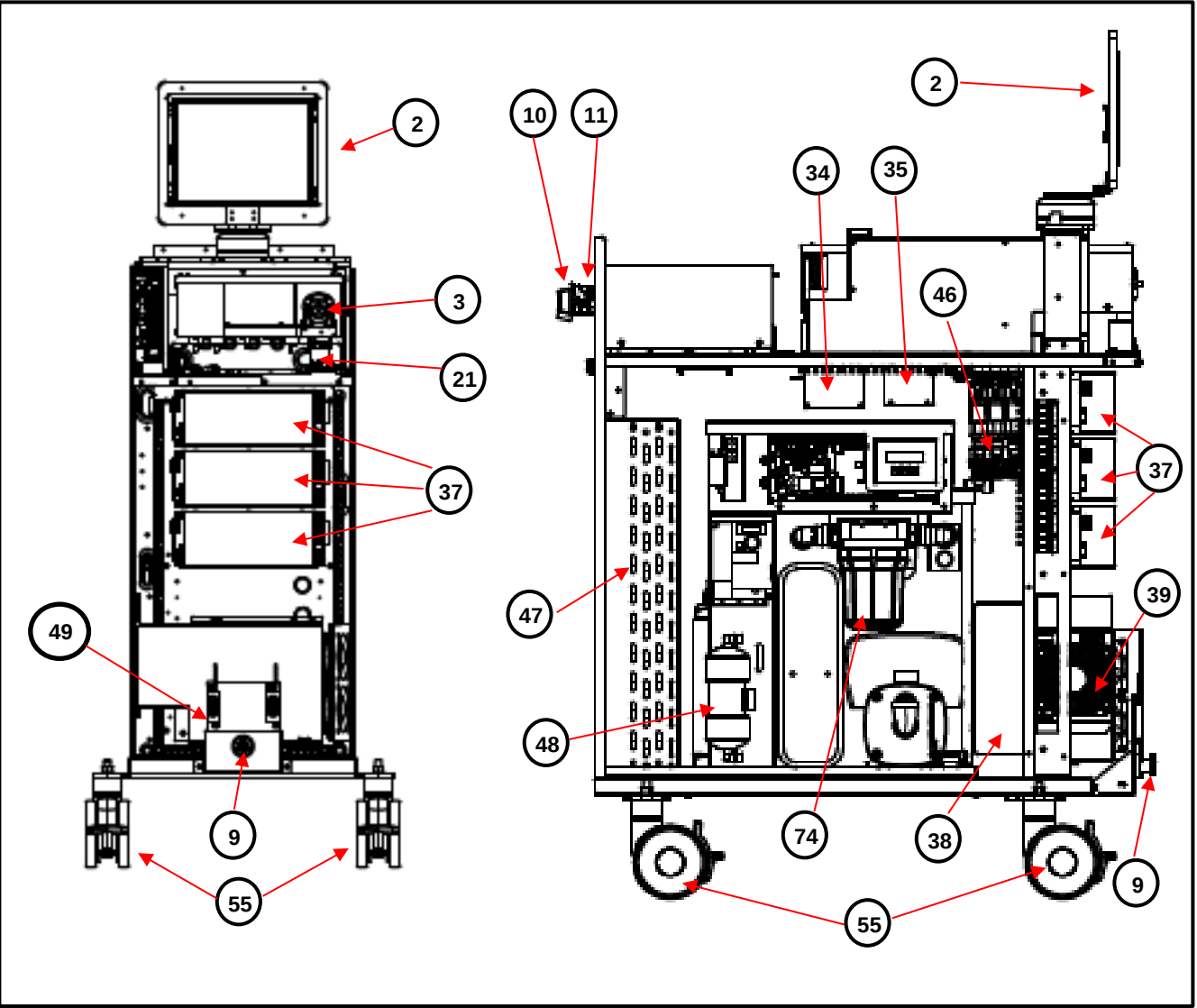


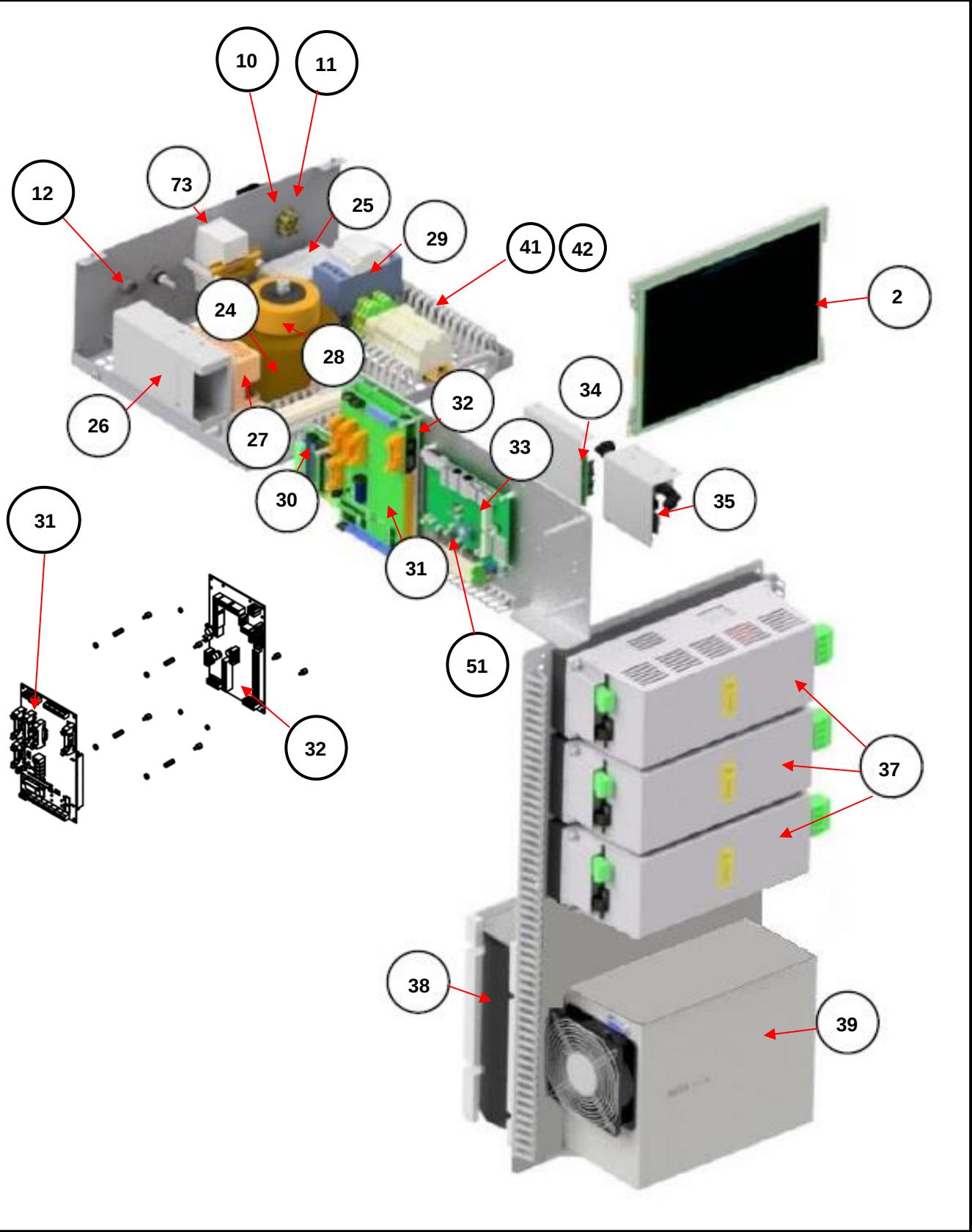


SERVICE PARTS LIST WITH DRAWINGS

Cyber Ho - Litho 100/150

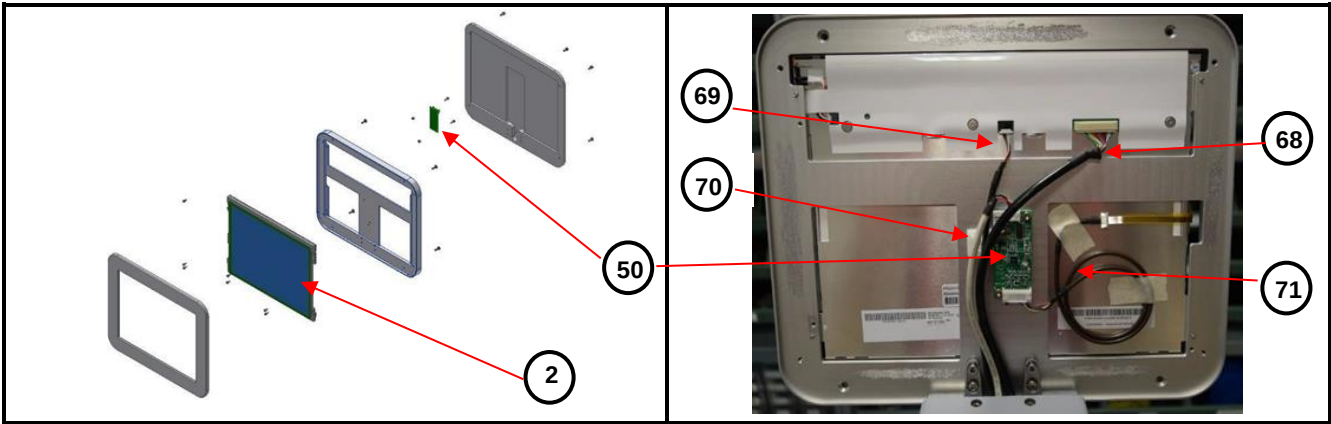






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Monitor assembly



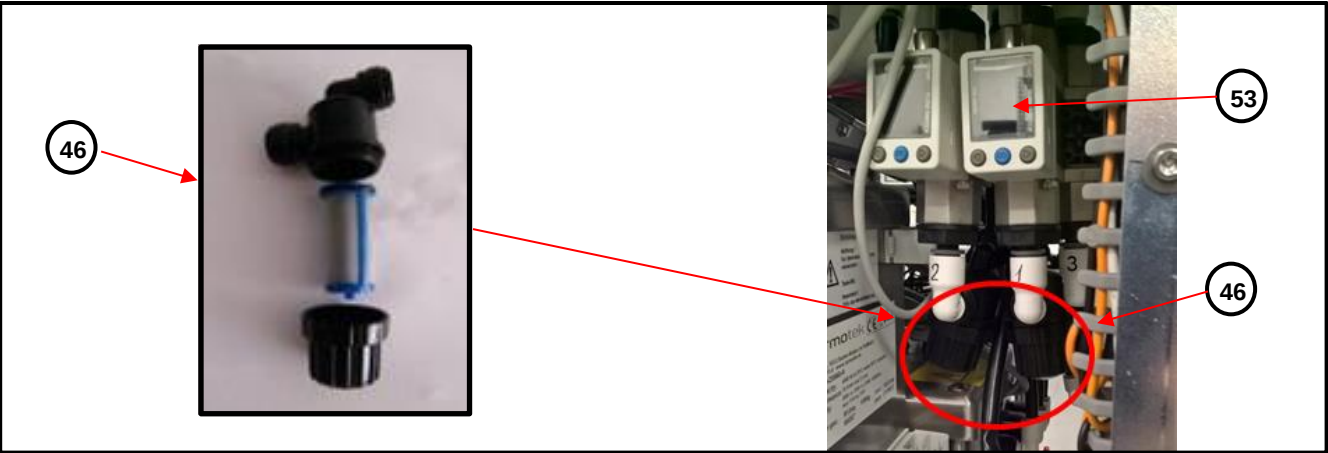
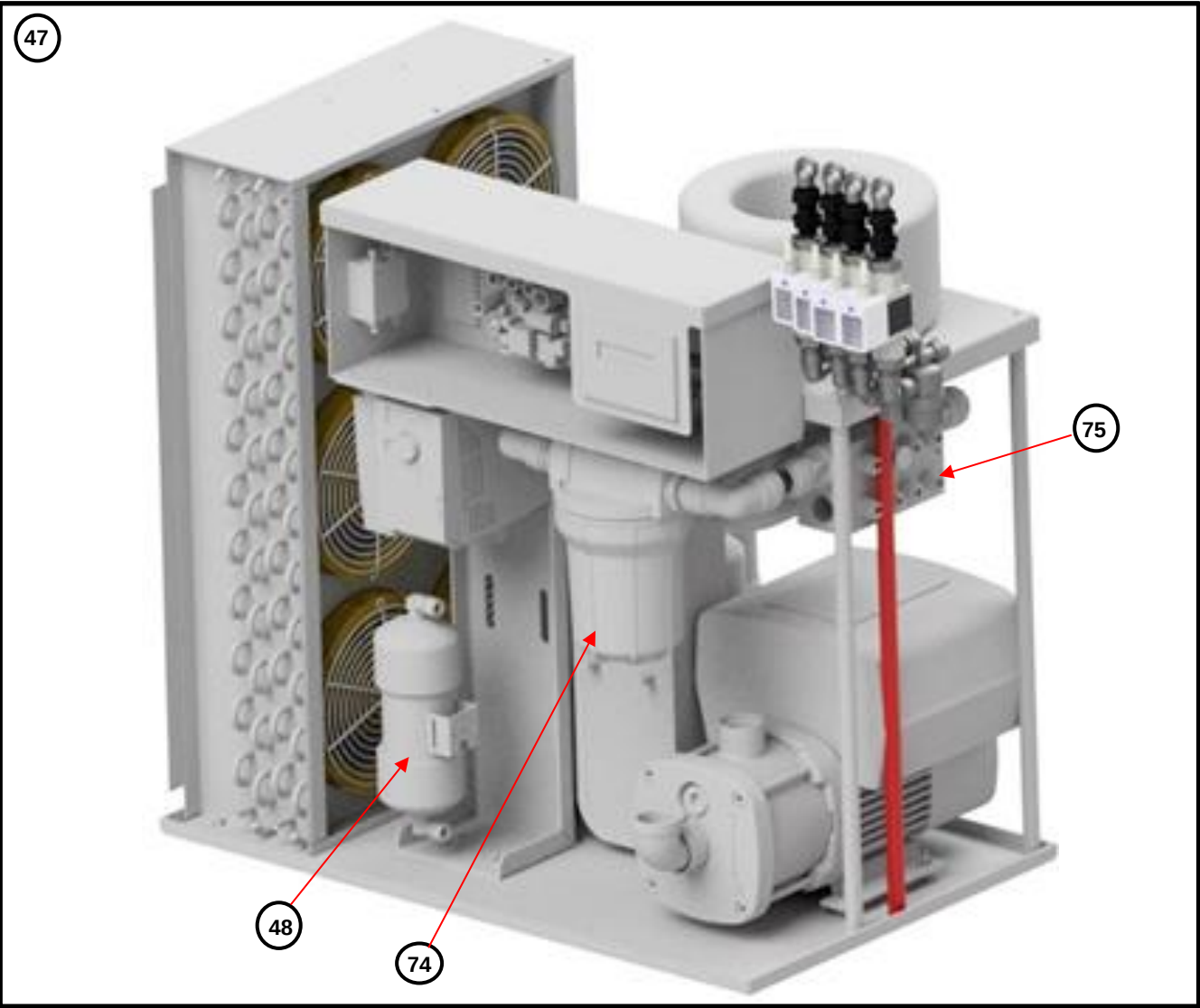
Filling and Drain Kit

Filling kit – Bottle and tube (IAM000088)

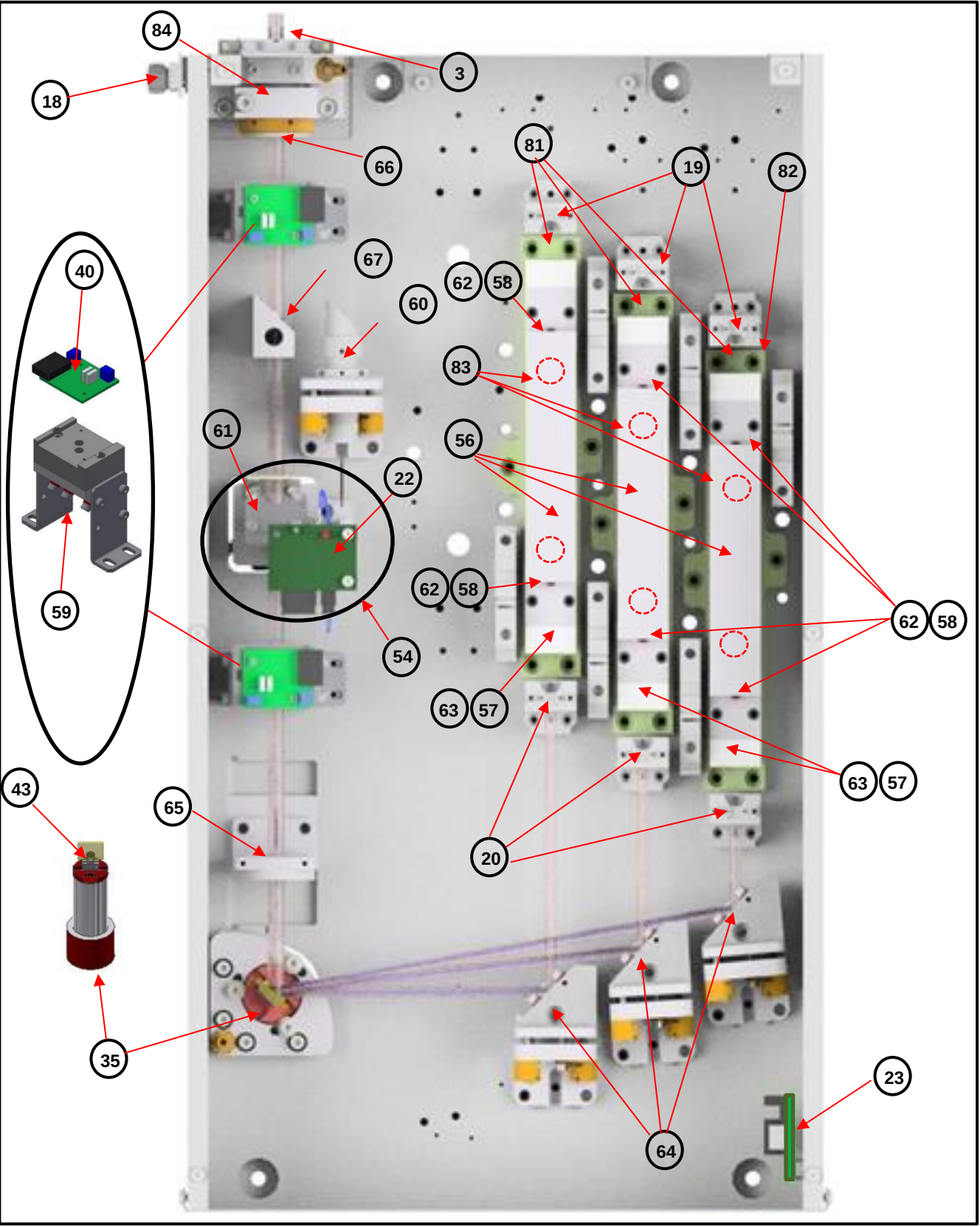
Fill/Drain Kit with water valve (IAM000092)



Chiller 4Kw Quanta Custom (IBM000406)



Optical Bench



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SERVICE PARTS LIST WITH DRAWINGS Cyber Ho Litho 100/150

REF No.	OSTA Part No.	Part Name	Remarks
1	MBQ000093	Key switch	Diameter 16mm
2	EBQ002709	Touch screen display (control panel)	12,1 1024x768
3	MBM003352.06	Optical fiber connector	
4	EAM001410	RFID Antenna tuned	
5	MBM007378	Knob for manual aperture fiber shutter	
6	MBM007484	Red proximity sensor window	
7	EBQ002496	Proximity sensor	
8	MBQ000094	Emergency red push button	
9	EBM000263	Footswitch connector	Female-8 poles
10	EBI000291	Power cable socket (A)	Contact holder plug
11	EBI000297	Power cable socket (B)	Frame with blocking
12	EBM000020	Remote interlock wall connector	
13	IBQ001062	Hydraulic circuit filling	straight bulkhead connector D.10
14	MBM006555.00	fiber aperture shutter	
15	IBM000409	Outlet from water reservoir drain	
16	EBQ000998	Equipotential connector	
17	MBM006592	USB connector cover	
18	OAM001523	Blast shield	
19	OBM000234	Cavity mirror rear	HR
20	OBM000233	Cavity mirror front	Output coupler
21	EAM000521	RFID interface board	QSMM11-01Rev2
22	EAQ000059	Board QS05-2H optical fork for shutter	
23	EAQ001788	Optical Bench Board	QSVM1602
24	EBQ003118	Toroidal Isolation Transformer 500VA (for 100W system)	
	EBQ003509	Toroidal Isolation Transformer 600VA (for 150W system)	
25	EBQ002775	Line filter (for 100W system)	FN2090B-30-08
	EBQ002775	Line Filters	FN2090B-30-08
	EBQ002643	(for 150W system)	FN2090B-16-06
26	EBM001986	AC/DC power supply 350W 24V (for 100W system)	GCS350PS24-EF
	EBM002783	AC/DC power supply 500W 24V (for 150W system)	GCU500PS24-EF
27	EBM000399	AC/DC power supply 45W 12V 3.75A	ECS45US12-C
28	EBQ002211	Toroidal transformers (for 100W system)	100VA MCTA100/18
	EBQ003523	Toroidal transformers (for 150W system)	100VA / 18V

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SERVICE PARTS LIST WITH DRAWINGS Cyber Ho Litho 100/150

REF No.	OSTA Part No.	Part Name	Remarks
29	EBQ003116	Contactor (for 100W system)	LC1DT25BL 4P(4 NO) 25A
	EBQ003204	Contactor (for 150W system)	LC1DT32BL 4P(4 NO) 32A
30	EAQ001786	Insulation Board	QSVM1501
31	EAQ001809	Holmium multicavity routing board	Signal board QSMK1701
32	EAQ000131	Microcontroller board	QSCM08_7 Rev2
33	EAQ001807	Embedded PC Board kit PC embedded	IBASE IB811F 1024x768
34	EAQ001795	Digital galvo board (interface board)	QSVM1605
35	EAM000267	Complete galvo kit with mirror	
36	EBQ000488	RFID Modulator BB 1031L-QS-01	
37	EAM000588.01	Capacitor discharge	
38	EBQ002287	Capacitors	30.000µF 350V
39	EBM002050	CHARGER 3KW 700VDC (for 100W system)	LSR449-01-A1
	EBM002052	CHARGER 4.5KW 700VDC (for 150W system)	
40	EAM000681.00	Photodiode board	Board QSGM11-02 R02
41	EBQ000348	Fuse 16A 5X20mm ST 250V, delayed (for 100W system)	
	EBQ003219	Fuse 16A 250VAC 10x38mm (for 150W system)	
42	EBQ003085	Fuse 20A 5x20mm FST anti-surge, delayed (for 100W system)	
	EBQ003218	Fuse 30A 250VAC 10x38mm (for 150W system)	
43	OAM002266	Galvo Mirror with Holder	
44	EAM000279	Photodiode board for fiber presence	Receiver
45	EAM000278	Diode-emitter board for fiber presence	Emitter
46	IBM000130	Water filter 10X10MM	
47	IBM000406	Chiller 4Kw Quanta Custom	
48	IBQ000146	Deionizing cartridge P70390	DI-cartridge Part-no.: 13423
49	EBQ002252	Speaker	
50	EBQ002237	Touch screen controller	PM6500
51	EBQ003037	SSD DISK 64GB	DEM24-64GM41BC
52	IBQ001058	Air purge hydraulic circuit	straight bulkhead connector D.6
53	EBM000326	Digital readout flowmeter SMC	PF3W720
54	MAM003130.00	Shutter H30 with radiation absorber	
55	MBM005260	Wheel	

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SERVICE PARTS LIST WITH DRAWINGS Cyber Ho Litho 100/150

REF No.	OSTA Part No.	Part Name	Remarks
56	MAM000760	Pumping chamber	
57	MBM005754	O-ring for flashlamp	
58	MBM005755	O-ring for rod	
59	OBM000159	photodiode window	
60	OBQ020067	Green 5mw aiming diode	
61	OBM000706	Shutter mirror	
62	OBM000900	CTH:YAG rod	
63	OBM003592	Flash lamp	
64	OBM003127	Folding mirror HR 45°+/-11°	
65	OBM001575	Focusing lens PL/CX, FL + 320 MM	
66	OBM001561	Aspheric lens PCX D. 15MM EFL +20MM	
67	OBM000160	Plane window for aiming beam reflecting	
68	EBQ003062	DISPLAY SIGNAL CABLE 12"	52084.00138-2
69	EBQ003063	BACK LIGHT CABLE 12"	52084.00139-2
70	EBQ002126	USB CABLE FOR TOUCH SCREEN 8,4"	
71	EBQ002278	TS-CONTROLLER 4-WIRE CABLE	
72	MBM007035.01	Footswitch Holder	
73	EBQ002152	SWITCH MAGNETERMIC 2P 32A (for 100W system)	
	EBQ003205	SWITCH MAGNETERMIC 2P 40A (for 150W system)	
74	IBQ000145	Filter insert for chillers P70390	
75	IBQ001043	Pipe straight fitting 1/4G 10mm, white colour	IBQ000154 for 100 and 150 models
76	EBM000473	Double Footswitch	
77	IAM000088	Filling kit – Bottle and tube	
78	IAM000092	Fill/Drain Kit with water valve	
79	IBQ001069	Red closing cap 10mm	
80	IBM000378	Red closing cap 6mm	
81	MBM007318.01	pump cavity baseplate VETRONITE	
82	MBQ001221	HEAD SCREW ISO7046-1 M4X8- 4.8 - H ISO 7046/2 UNI 7688 DIN 965A	
83	MBQ000080	O-ring for Pumping chamber cooling system	
84	MAM001278	fiber launch assy with blast shield without optics	

NOTE:

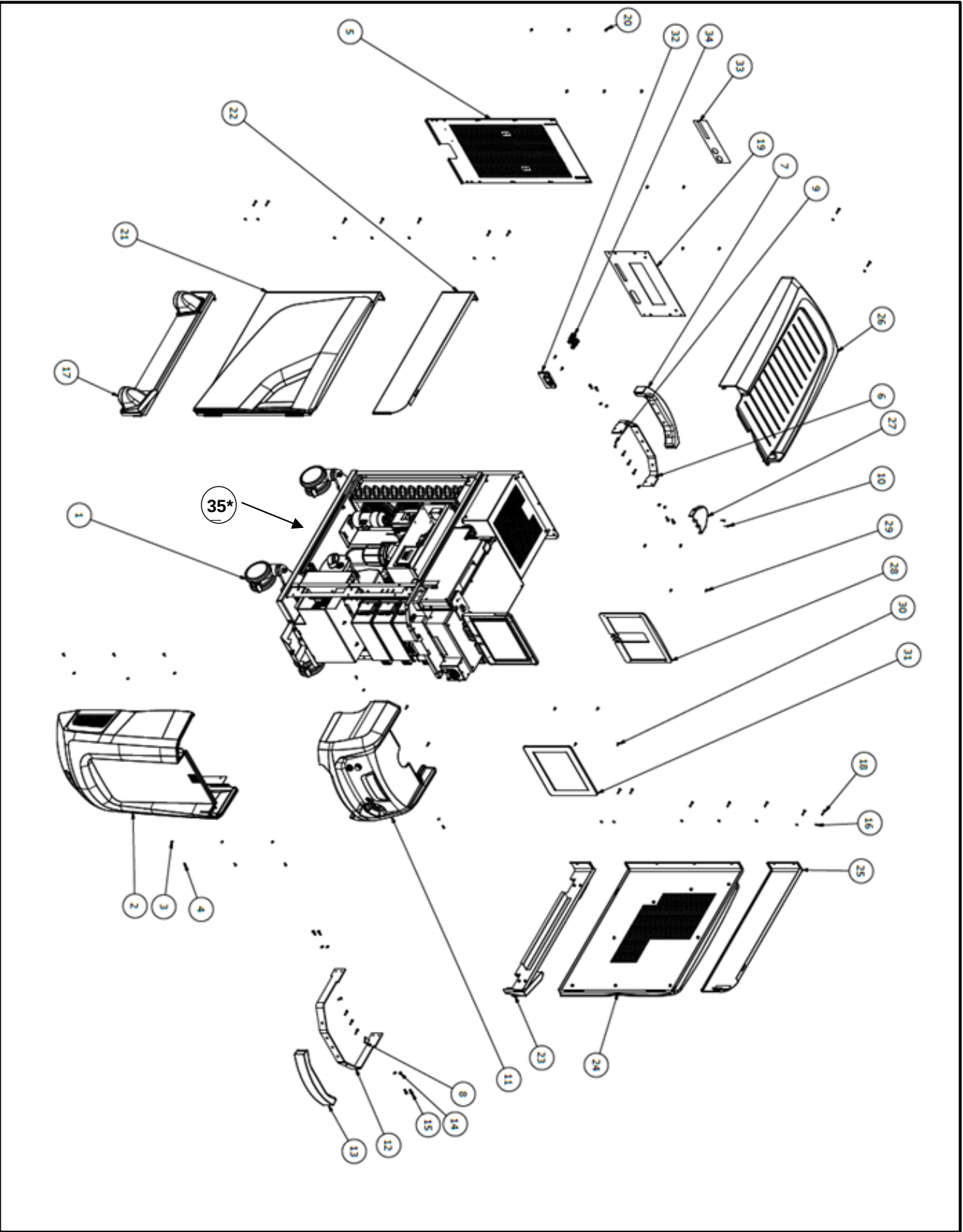
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Cyber Ho 100/150 - Litho 100/150

1	GPS000064	Structure production group	
2	MAM003115.00	Front cover assembly	
3	MBQ001231.00	Washer inox a2 m 4 / 4,3/9/0,8	
4	MBQ001199.00	Cylindrical head screw m4x10	
5	MAM003128.00	3/4 cavity rear grid assembly	
6	MBM007402.01	Rear handle	
7	MBM007089.02	Rear handle cover	
8	MBQ001207.00	Screw inox a2 m 5 x 20	
9	MBQ001206.00	Screw inox a2 m 5 x 16	
10	MBQ001202.00	Head screw iso4762 m4x16	
11	MAM003114.00	Front assembly	
12	MBM007401.00	Front handle	
13	MBM007087.01	Front handle cover	
14	MBQ000362.00	Flat washer inox a2 m 6 / 6,4/12/1,6	
15	MBQ001208.00	Screw inox a2 m 6 x 16	
16	MBQ001230.00	Flat washer inox a2 m 5 / 5,3/10/1	
17	MAM003113.00	Left fixed panel assembly	
18	MBQ000369.00	Screw inox a2 m5 x 25	
19	MBM006615.02	Rear top panel	
20	MBQ000337.00	Screw inox a2 m 5 x 10	
21	MAM001279.00	Left panel assembly	
22	MBM007311.02	Left removable panel	
23	MAM003111.00	Right fixed panel assembly	
24	MAM003099.00	Right panel assembly	
25	MBM007308.02	Right removable panel	
26	MAM003116.00	Upper cover assembly	
27	MBM007312.02	Display cover	
28	MBM006777.00	Display rear shell	
29	MBQ001198.00	Cylindrical head screw iso 4762 - m4 x 8 inox a2	
30	MBQ001223.00	Head screw iso7046-1 m3x6 - 4.8 - h	
31	MBM006776.00	Display front shell	
32	MBM006799.01	Exhaust connector plate	
33	MBM007236.03	Outlet from water reservoir drain	
34	IBM000409	Water drain connector	
35*	EBQ002835.00	Fan EBM Papst 4414/2HHP 24VDC 119x119x38mm	Only for 60 models

NOTE:

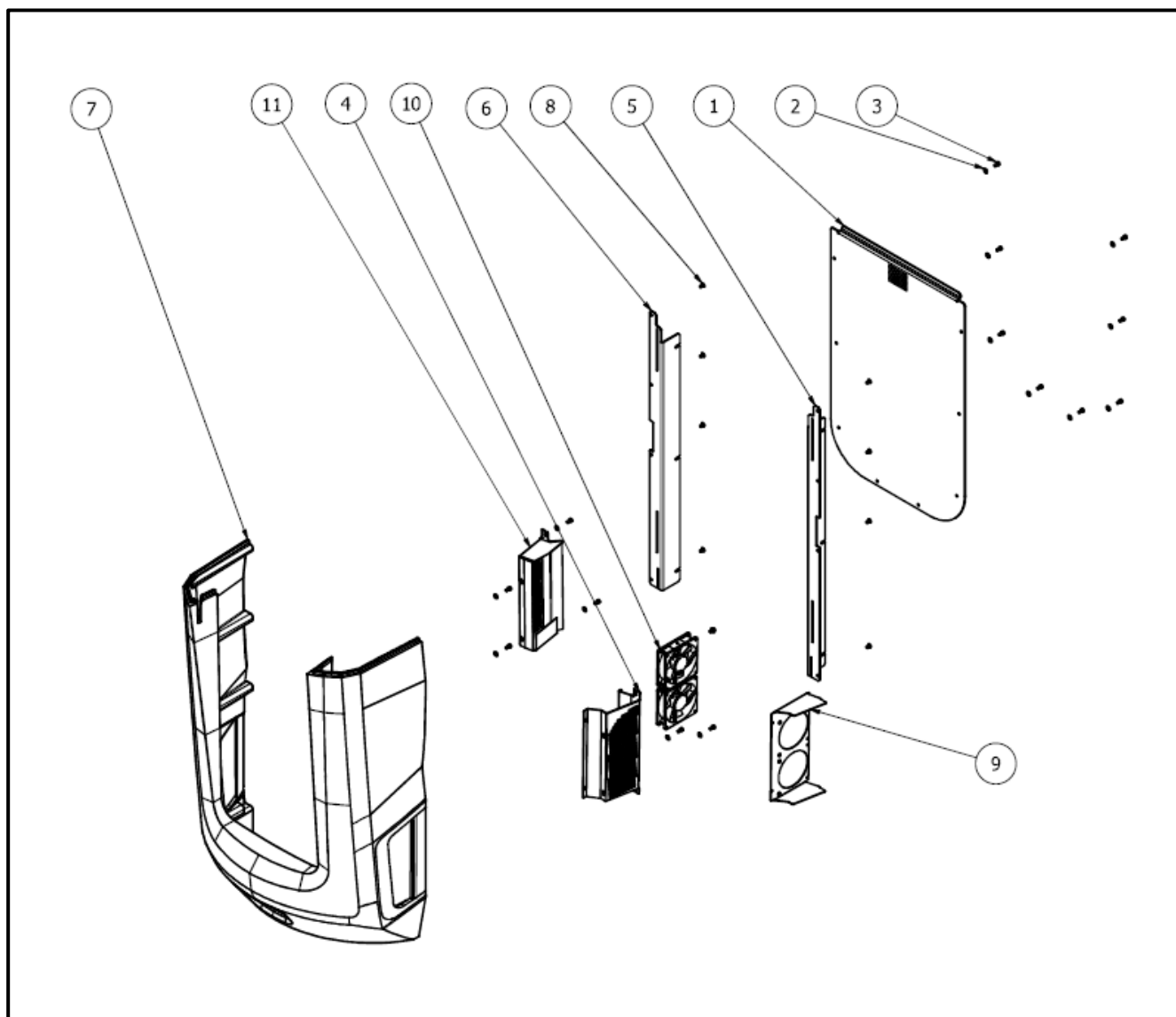
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Lower front panel (MAM003115.00)

1	MBM007324.02	Frontal plate	1
2	MBQ001231.00	Washer INOX A2 M 4 / 4,3/9/0,8	16
3	MBQ001198.00	Cylindrical head screw ISO 4762 - M4 x 8 INOX A2	16
4	MBM007543.00	Right grid front panel	1
5	MBM007220.03	Right bracket for frontal panel	1
6	MBM007221.03	Left bracket for frontal panel	1
7	MBM007217.00	LQS0702 front cover, white RAL9016	1
8	MBQ001221.00	HEAD SCREW ISO7046-1 M3x6 - 4.8 - H	8
9	MBM007544.01	Fans bracket	1
10	EBQ002144	Fan EBM PAPST 3414NHH	2
11	MBM007556.01	Left grid front panel	1

**NOTE:**

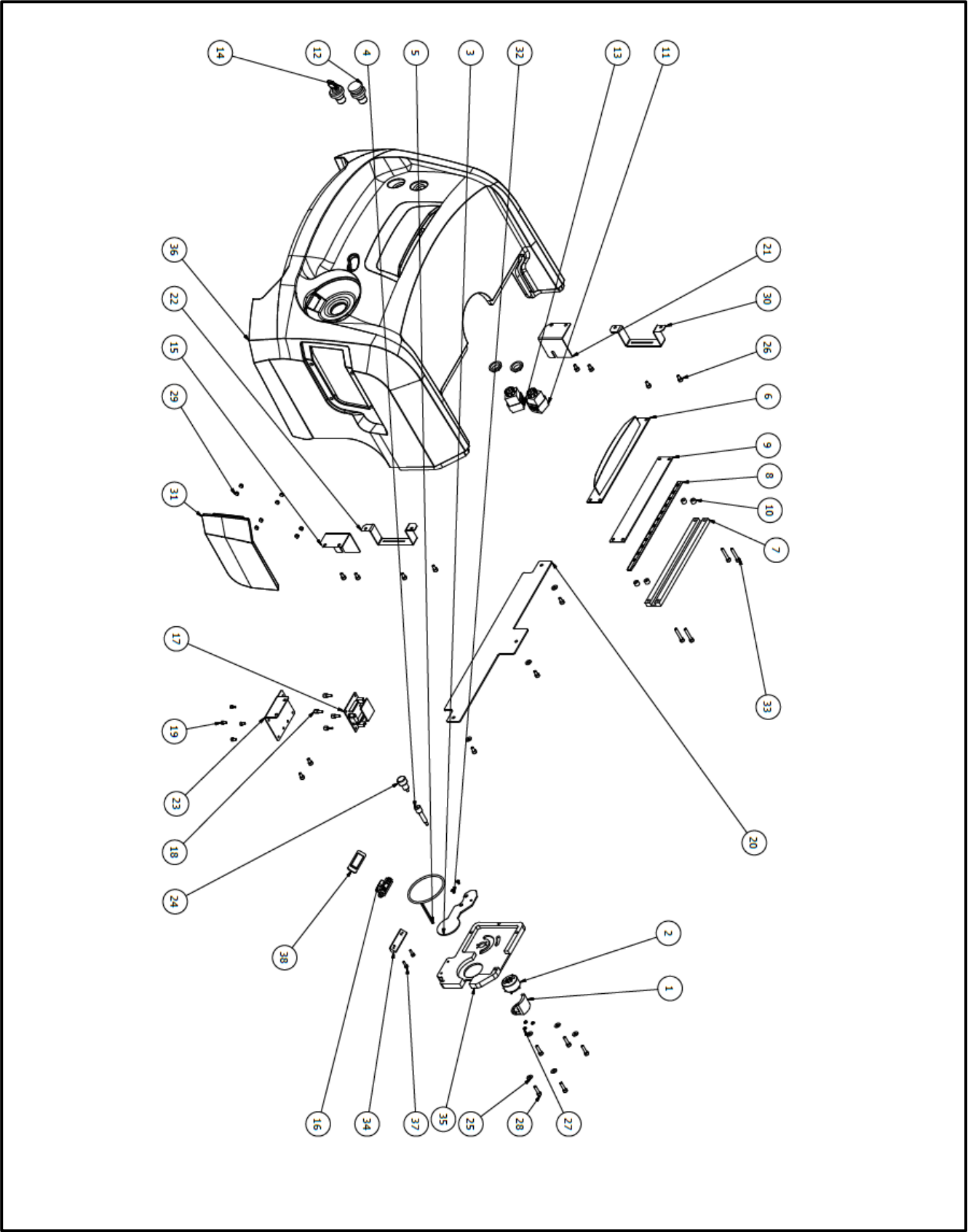
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FRONT ASSEMBLY (MAM003114.00)

1	MBM005304.02	Shutter support	1
2	MBQ001763	Anticlockwise solenoid	1
3	MBM006555.00	Fiber aperture shutter	1
4	MBM007212.00	Knob extension	1
5	EAM001410.00	RFID antenna tuned for Cyber Ho	1
6	MBM007204.00	Led reflector	1
7	MBM007202.00	Led holder plate	1
8	EBQ002925	Strip led	1
9	MBM007203.00	Led interface	1
10	MBQ000706.00	Spessor 6mm - diameter hole 4,2mm - external diameter 8mm	4
11	EBM000714	Contact for emergency knob	1
12	MBQ000094	Emergency knob diam. 16mm	1
13	EBQ002250	Contact for key switch dia. 16mm	1
14	MBQ000093	Key switch dia. 16mm	1
15	MBM007209.01	Front panel right bracket	1
16	EBQ002496	Proximity sensor	1
17	EAM000521.01	QSMM11-01rev2 RFID interface board	1
18	MBQ000800	Hexagonal plastic spacers	4
19	MBQ000287.00	Stainless M3 x 6mm Hex Head screw	4
20	MBM007325.01	Front panel closing plate	1
21	MBM007210.01	Front panel left bracket	1
22	MBM007207.03	Front panel right flap	1
23	MBM007205.01	Base RFID board	1
24	MBM007378.00	Knob	1
25	MBQ001231.00	Washer INOX A2 M 4 / 4,3/9/0,8	8
26	MBQ001198.00	Cylindrical head screw ISO 4762 - M4 x 8 INOX A2	13
27	MBQ001235.00	Exagonal nut M4	3
28	MBQ001202.00	Head screw ISO4762 M4x16	5
29	MBQ001759.00	Cylindrical magnet diameter 6 - thikness 3	8
30	MBM007208.03	Front panel left flap	1
31	MBM007216.00	Blast shield access	1
32	MBQ001195.00	Head screw ISO7046-1 M3x6 - 4.8 - H	2
33	MBQ000369.00	Screw INOX A2 M5 x 25	4
34	MBM007316.00	Holder sensor plate	1
35	MBM007211.01	Guide shutter plate	1
36	MBM007215.00	Front panel	1
37	MBQ001192.00	Screw head M3x10	2
38	MBM007484.00	Red proximity sensor window	1

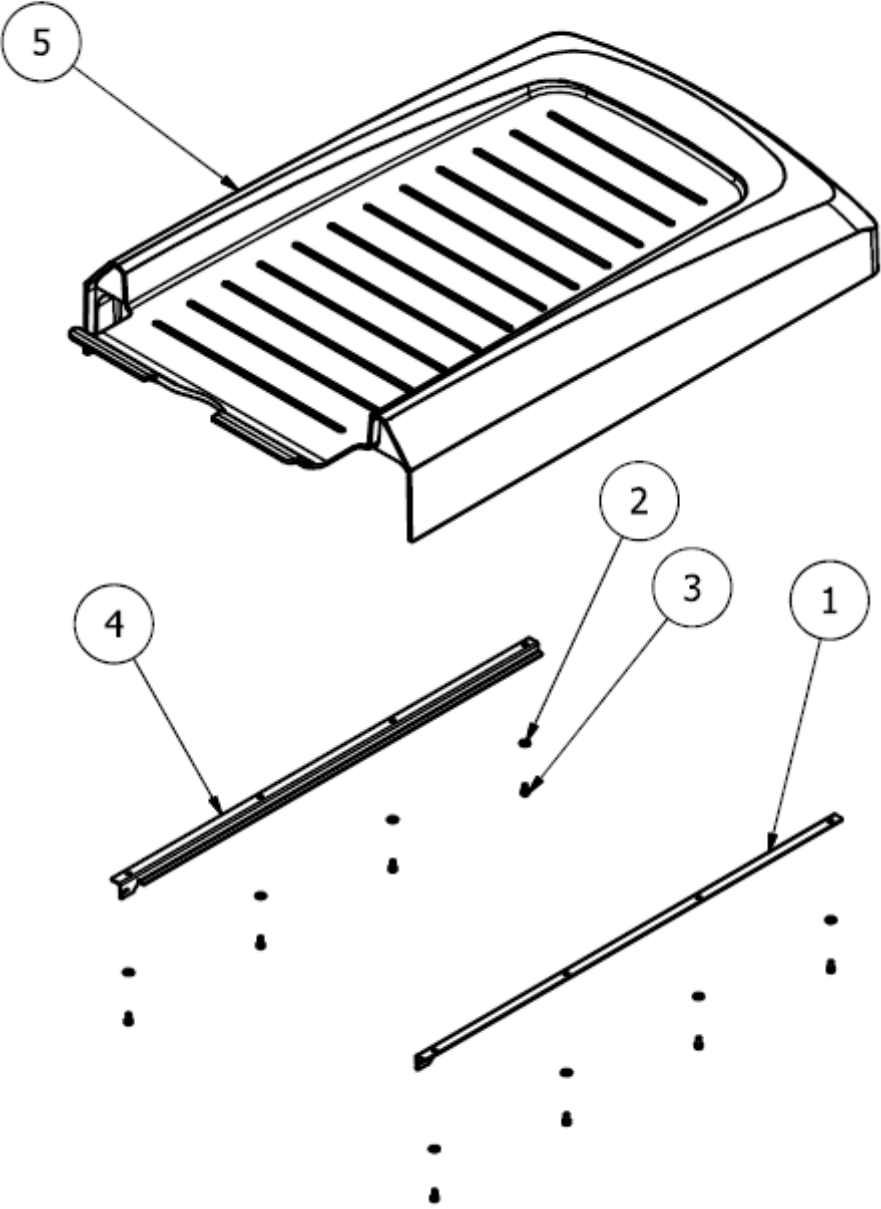
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UPPER COVER ASSEMBLY (MAM003116.00)

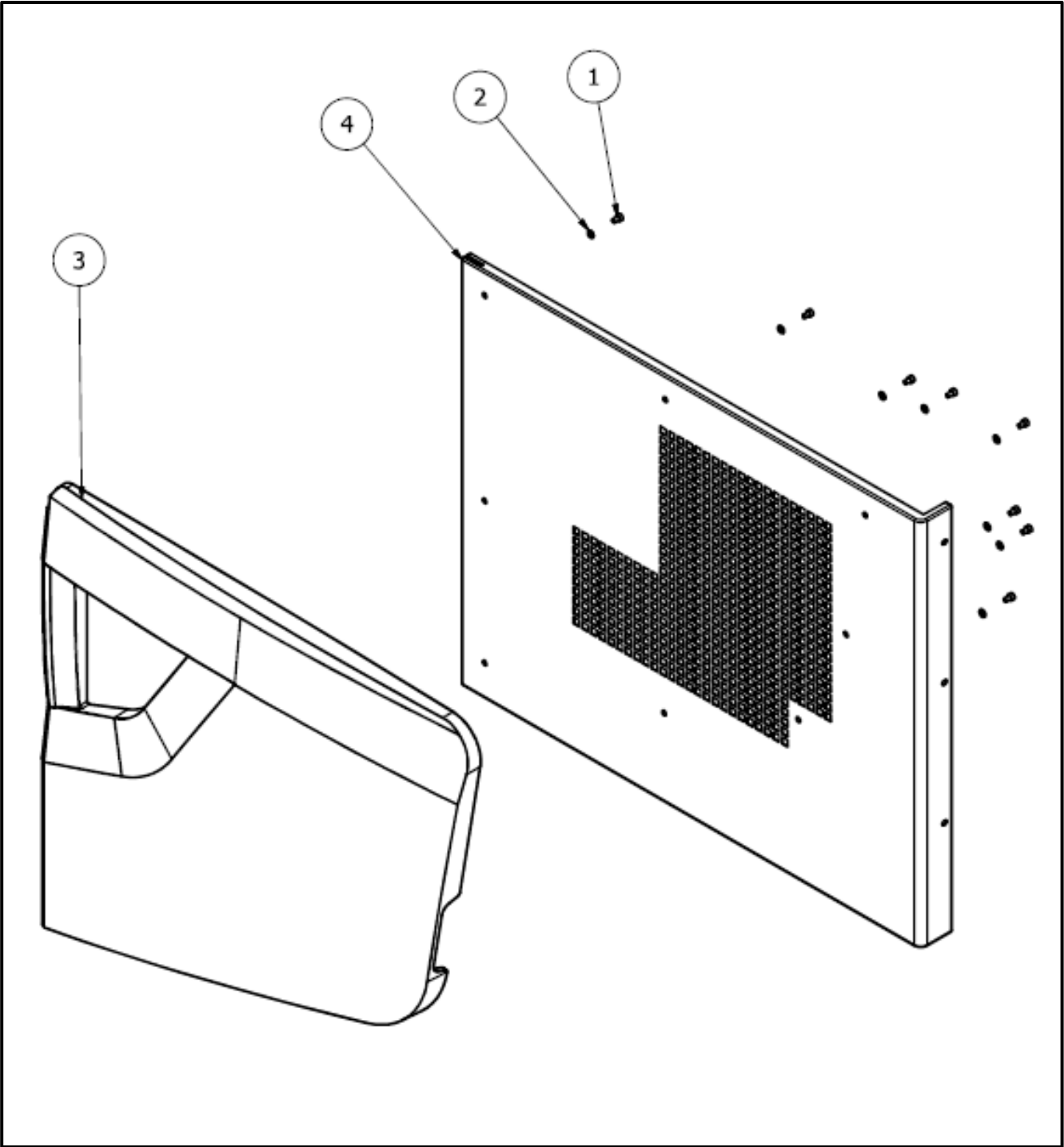
1	MBM007304.01	Right giude top cover	1
2	MBQ001231.00	Washer INOX A2 M 4 / 4,3/9/0,8	8
3	MBQ001198.00	Cylindrical head screw ISO 4762 - M4 x 8 INOX A2	8
4	MBM007305.01	Left giude top cover	1
5	MBM007224.00	Upper cover, white RAL 9016	1



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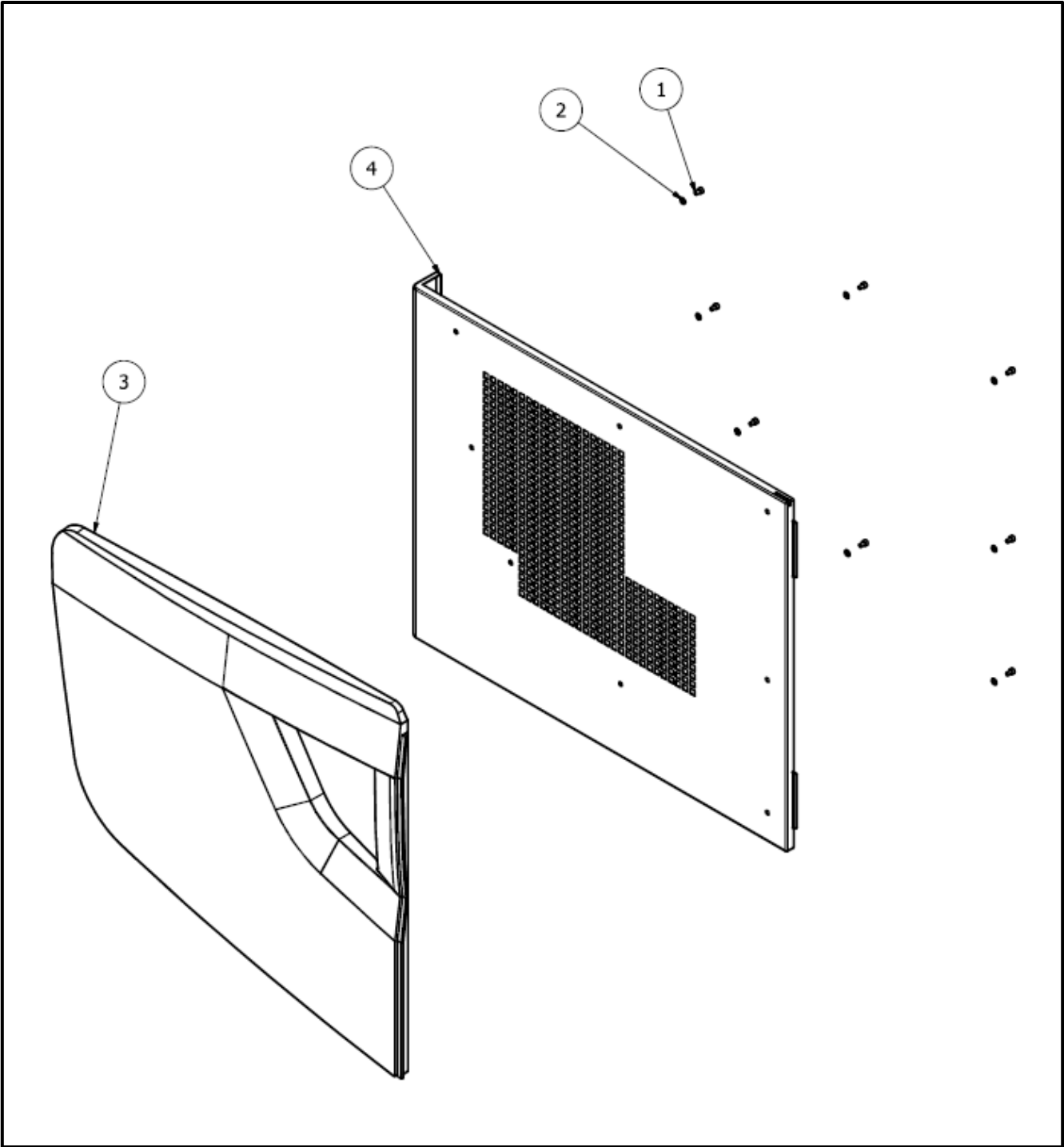
RIGHT PANEL ASSEMBLY (MAM003099.00)

1	MBQ001205.00	Cylindrical head screw INOX A2 M5 x 8	8
2	MBQ001230.00	Flat washer INOX A2 M 5 / 5,3/10/1	8
3	MBM007101.00	Right side white RAL9016	1
4	MBM007307.04	Right lateral panel RAL 9016	1



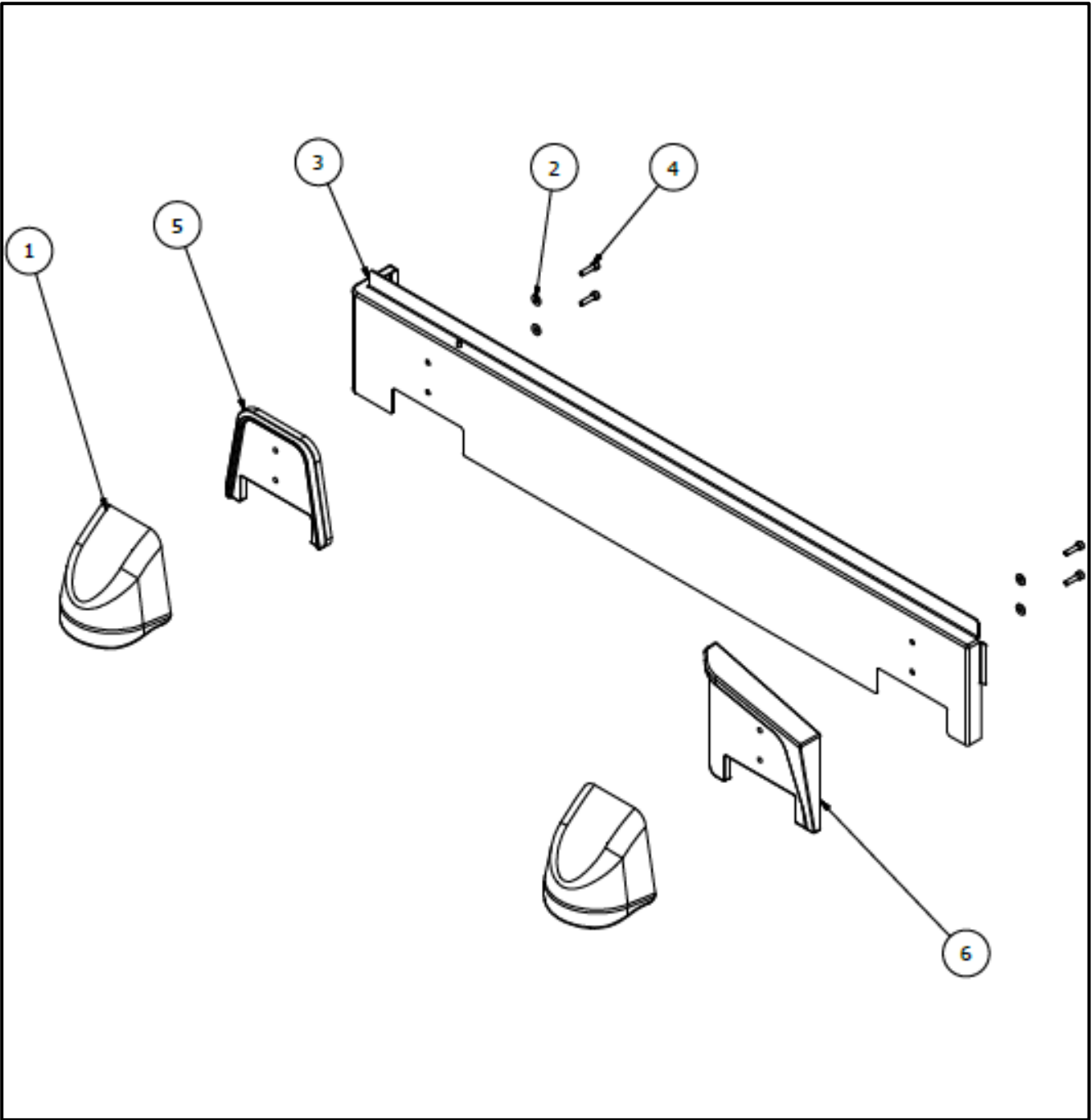
LEFT PANEL ASSEMBLY (MAM001279.00)

1	MBQ001205.00	Cylindrical head screw INOX A2 M5 x 8	8
2	MBQ001230.00	Flat washer INOX A2 M 5 / 5,3/10/1	8
3	MBM007102.00	Left side white RAL9016	1
4	MBM007310.04	Left lateral panel RAL 9016	1



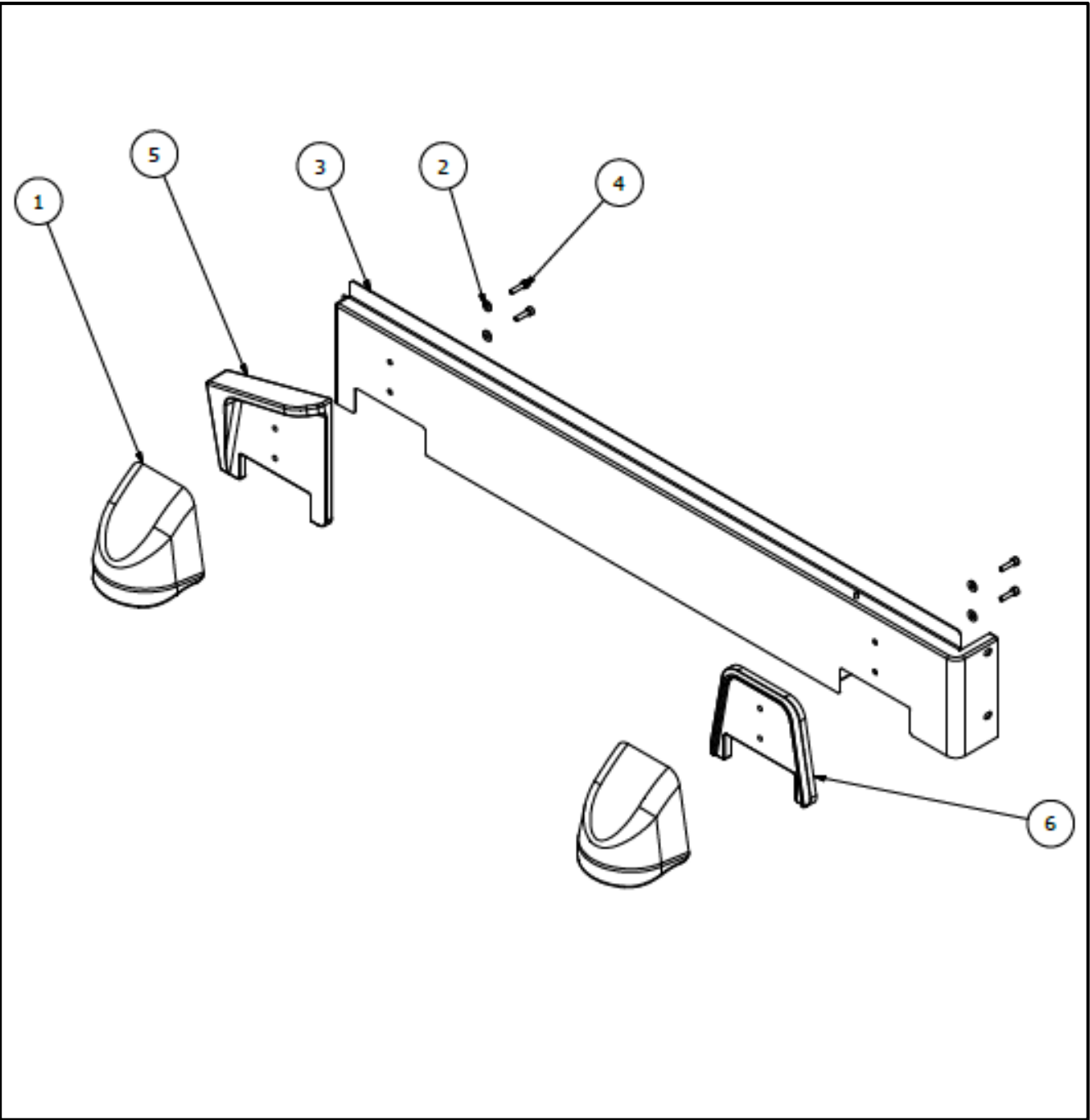
LEFT FIXED PANEL ASSEMBLY (MAM003113.00)

1	MBM009250.00	Bumper	2
2	MBQ001231.00	Washer INOX A2 M 4 / 4,3/9/0,8	4
3	MBM007309.03	Fixed left panel	1
4	MBQ001202.00	Head screw ISO4762 M4x16	4
5	MBM007396.00	Thickness left/right back bumper	1
6	MBM007395.00	Thickness Left front bumper	1



RIGHT FIXED PANEL ASSEMBLY (MAM003111.00)

1	MBM009250.00	Bumper	2
2	MBQ001231.00	Washer INOX A2 M 4 / 4,3/9/0,8	4
3	MBM007306.04	Fixed Right panel	1
4	MBQ001202.00	Head screw ISO4762 M4x16	4
5	MBM007394.00	Thickness right front bumper	1
6	MBM007396.00	Thickness left/right back bumper	1



Manufacturer

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