Service part catalogue

iVario® ab 03/2020 Pro L (211) - 39 dm², 100 L
93+

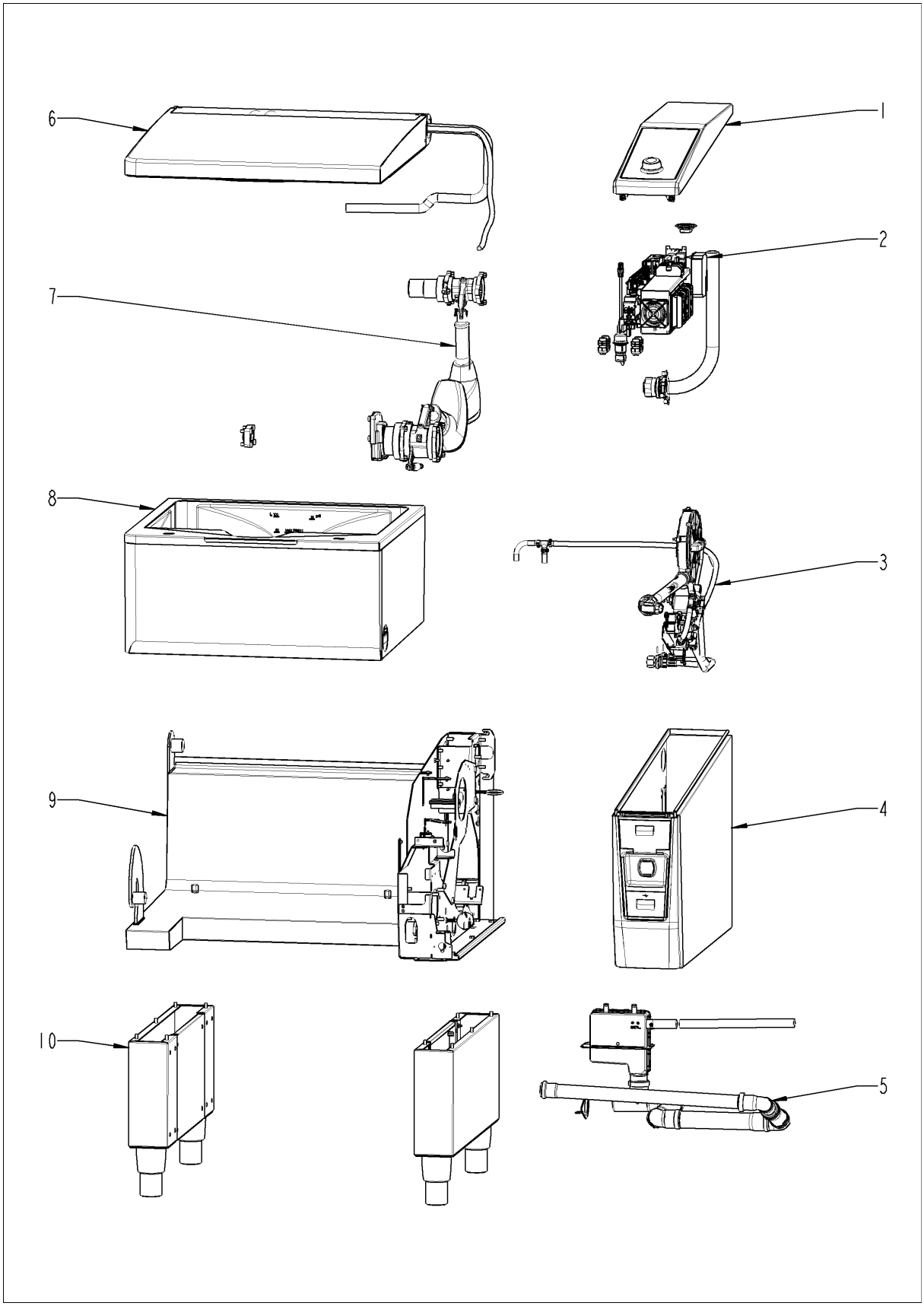
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8.12.2021 r.
3NAC400 V 50/60Hz

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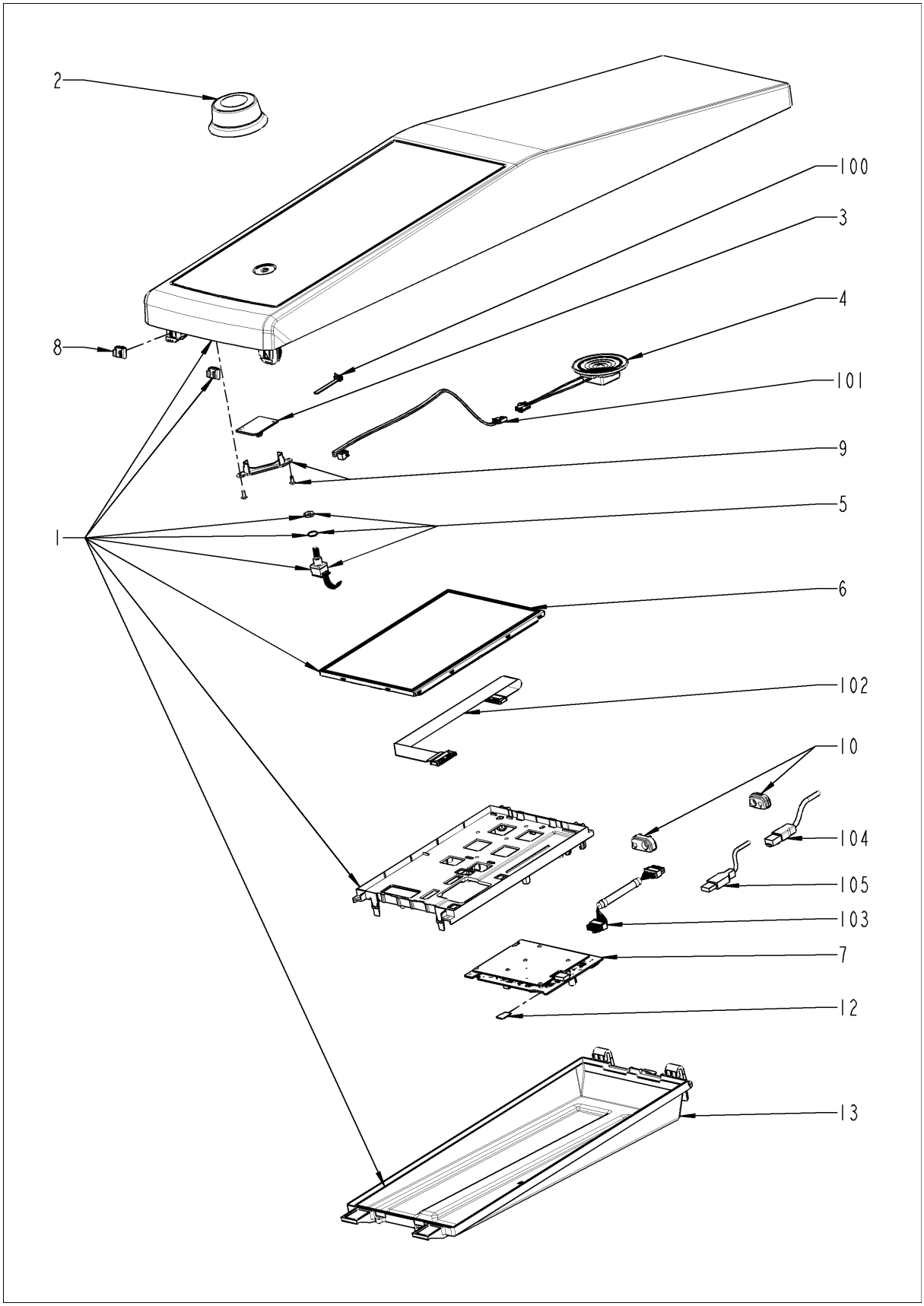
Overview



Overview

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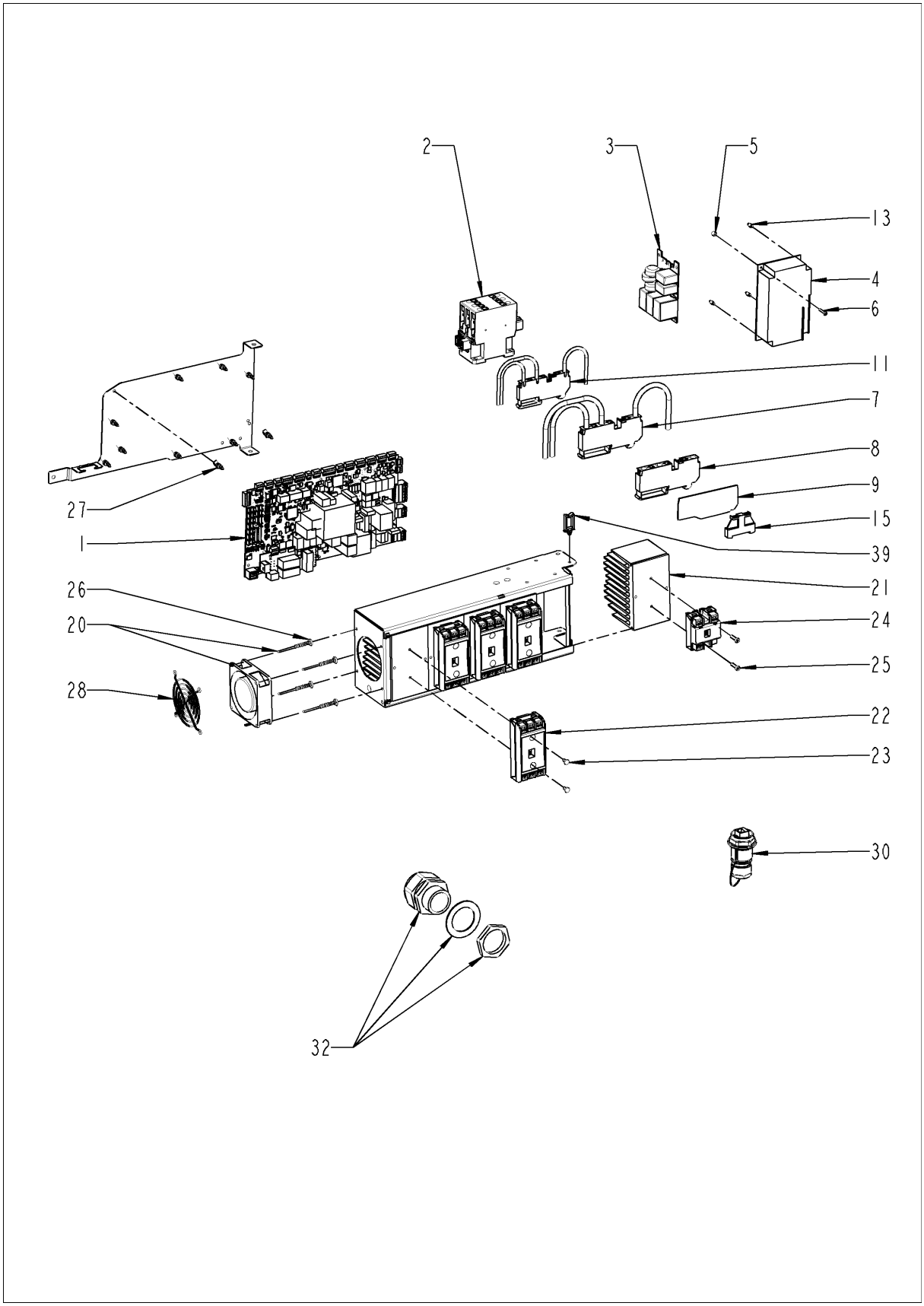
Control panel



Control panel

Pos.	Part no.	Description	Qty.
1	16.03.565P	Control panel RATIONAL	1
2	16.03.756P	Dial f. pulse generator	1
3	42.00.346P	Sensor on / off	1
4	40.06.728P	Loudspeaker K 64 WPTR	1
5	40.00.404P	Pulse generator	1
6	42.00.287P	Display *TFT*	1
7	42.00.251P	Control pcb (w/o SD-Card)	1
8	10.01.862P	Cage nut M5 for 1.7 up to 2.5mm	2
9	16.04.204S	On-Off sensor support	1
10	87.01.774S	Gasket kit for control panel cable	1
12	42.00.359P	Micro SD card	1
13	16.04.064P	Inner protective cover of the control panel	1
100	40.06.760P	Cable control pcb - capacitive switch	1
101	40.06.076P	Loudspeaker cable	1
102	40.06.569P	Cable CPU - TFT	1
103	40.06.103P	Bus cable 0,7m	1
105	40.06.583P	Interface cable USB 1,4m	1

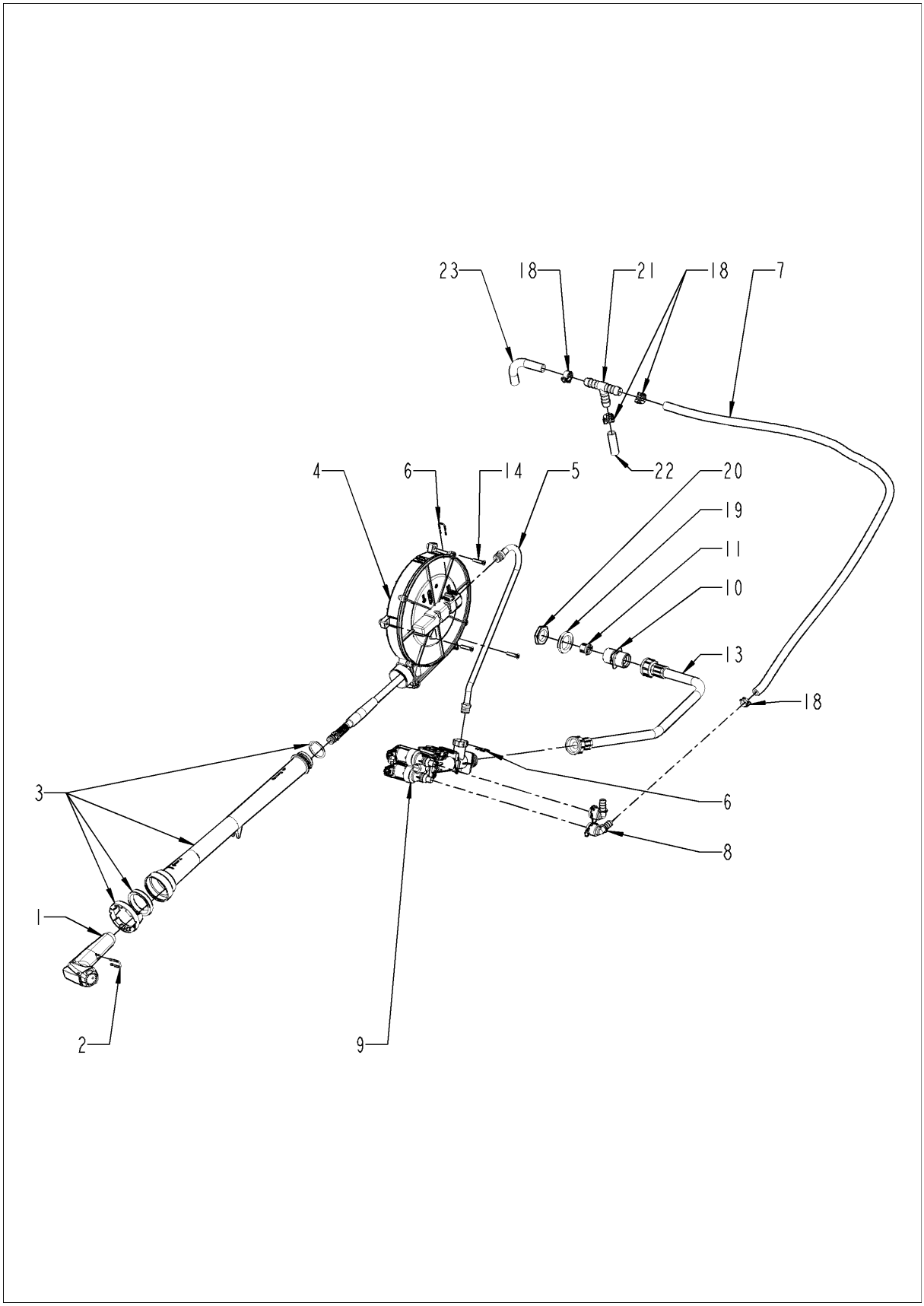
Electrical installation



Electrical installation

Pos.	Part no.	Description	Qty.
1	42.00.311P	Relay-I/O pcb A10	1
1.1	40.06.252P	Termination resistor	1
2	40.07.420P	Contactor K3-18NBV10 190R T B01 AZ	1
3	42.00.322P	Electronic noice filter	1
4	40.06.713P	Power supply	1
5	10.01.907P	Spacer Ø int = 3,2mm, H = 6mm	1
6	10.00.144P	Socket cap screw M3x16mm	1
7	40.06.427P	Double level terminal block 10mm² blue	1
8	40.04.643P	Double leven earth terminal 10mm² yellow/green	1
9	40.07.120P	End flask for block APFN 6 D1/2/35	1
11	40.06.933P	Double level earth terminal 6mm² yellow/green	1
13	10.01.906P	Printed circuit board holder, clip-on H=6mm	3
15	4001.1203P	End plate for mounting rail	1
20	40.06.806S	Cooling fan	1
21	40.06.428P	Heat sink 1 SSR	3
22	40.05.670P	Solid state relais	3
23	10.02.263P	Raised countersunk head screw Torx M4x10 T20	6
26	10.01.339P	Fixing Elastomer	4
27	10.01.336P	Plastic spacer 7mm 12	11
28	40.07.421S	80mm fan protection grill with mounting set	1
29	40.07.372P	Locking device for heat sink	1
32	40.00.701S	Screwed cable gland polyamid PG40	1
39	10.00.111P	Cable clip long	4
50	42.00.324P	IO module extension, Energy_opt.	1
51	40.07.374P	Support for energy optimizer circuit board	1
52	10.02.200P	Plastic clip spacer 4.8mm	1
55	40.00.320S	Cable gland M20x1.5	1
56	40.07.434P	Cable harness W32 for energy optimizer option	1
57	40.07.427P	Cable harness W59 for energy optimizer extension module	1
90	40.05.437P	Residual current operated circuit breaker 25A 30mA	1
91	4001.1203P	End plate for mounting rail	1
92	12.03.056P	Differential switch fixiing device	1
94	40.07.425P	Wiring harness for option "Differential switch"	1
100	40.06.092P	Control harness	1

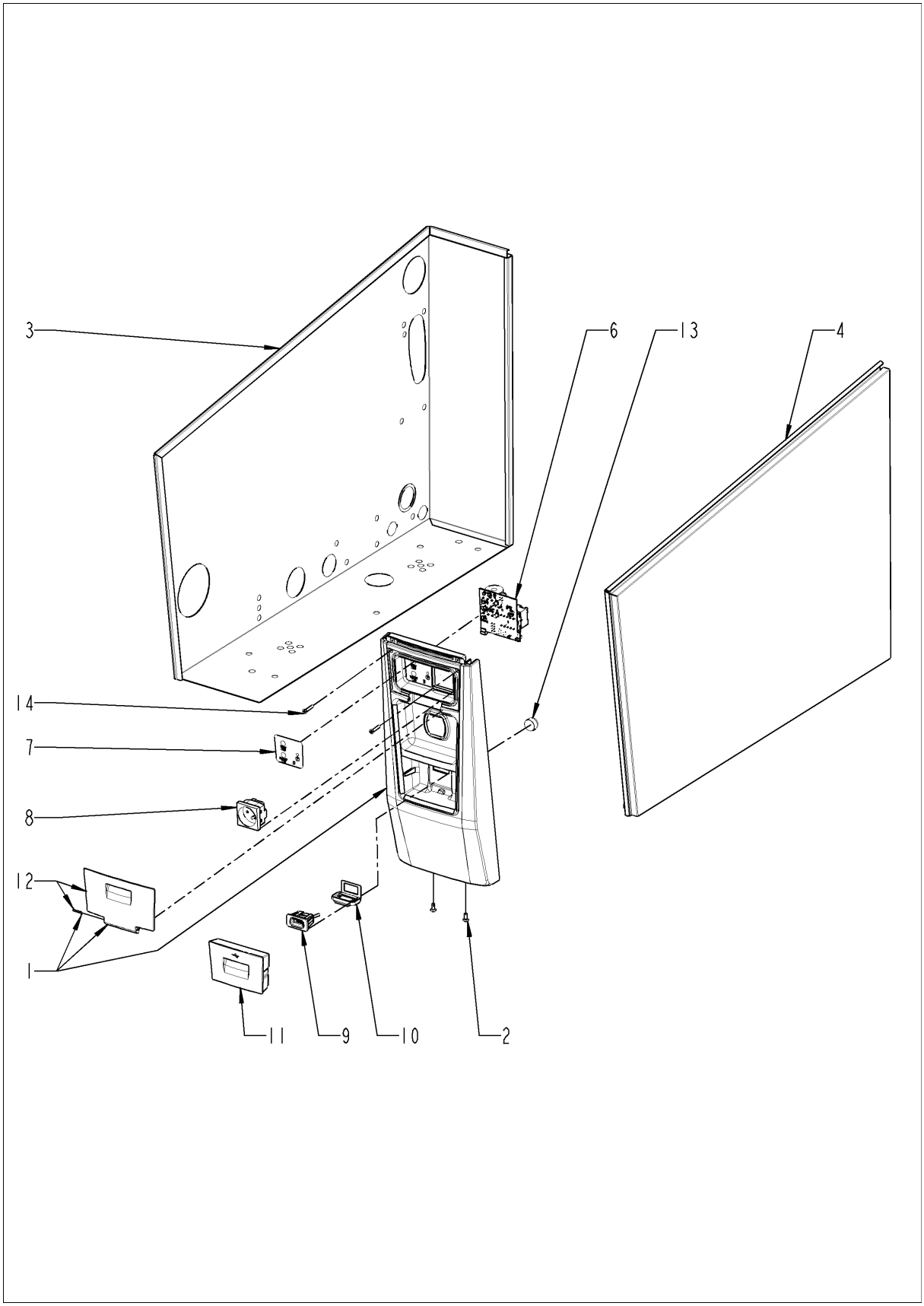
Water distribution



Water distribution

Pos.	Part no.	Description	Qty.
1	52.00.127S	Hand shower black	1
2	50.00.156P	Clamp f. hand shower roll guide	1
3	87.01.616S	Connection pipe hand shower roll guide	1
4	52.00.143P	Hand shower roll guide	1
5	52.00.105P	Hand shower roll guide water supply	1
6	50.00.085P	Plug-in spring f. hand shower roll guide	2
7	24.04.940P	Silicon hose ø10x3mm	1.1
8	52.00.017P	Angle plug PS3 6-6-90°	2
9	50.02.063P	Double solenoid valve block with flowmeter	1
10	50.02.114P	Fitting 3/4" M/M	1
11	1900.0202P	Water filter	1
13	50.02.094P	Water supply pipe	1
14	10.01.669P	Slot counter head secur screw M5X20 Phillips	3
18	10.02.239P	Hose clamp clic R86-145	6
19	50.02.324P	Gasket for water supply coupling 38x28	1
20	50.02.325P	Fixing nut 3/4"	1
21	54.01.985P	T-fitting D10	1
22	24.04.940P	Silicon hose ø10x3mm	.05
23	24.04.940P	Silicon hose ø10x3mm	.12
100	40.07.208P	Flowmeter cable	1

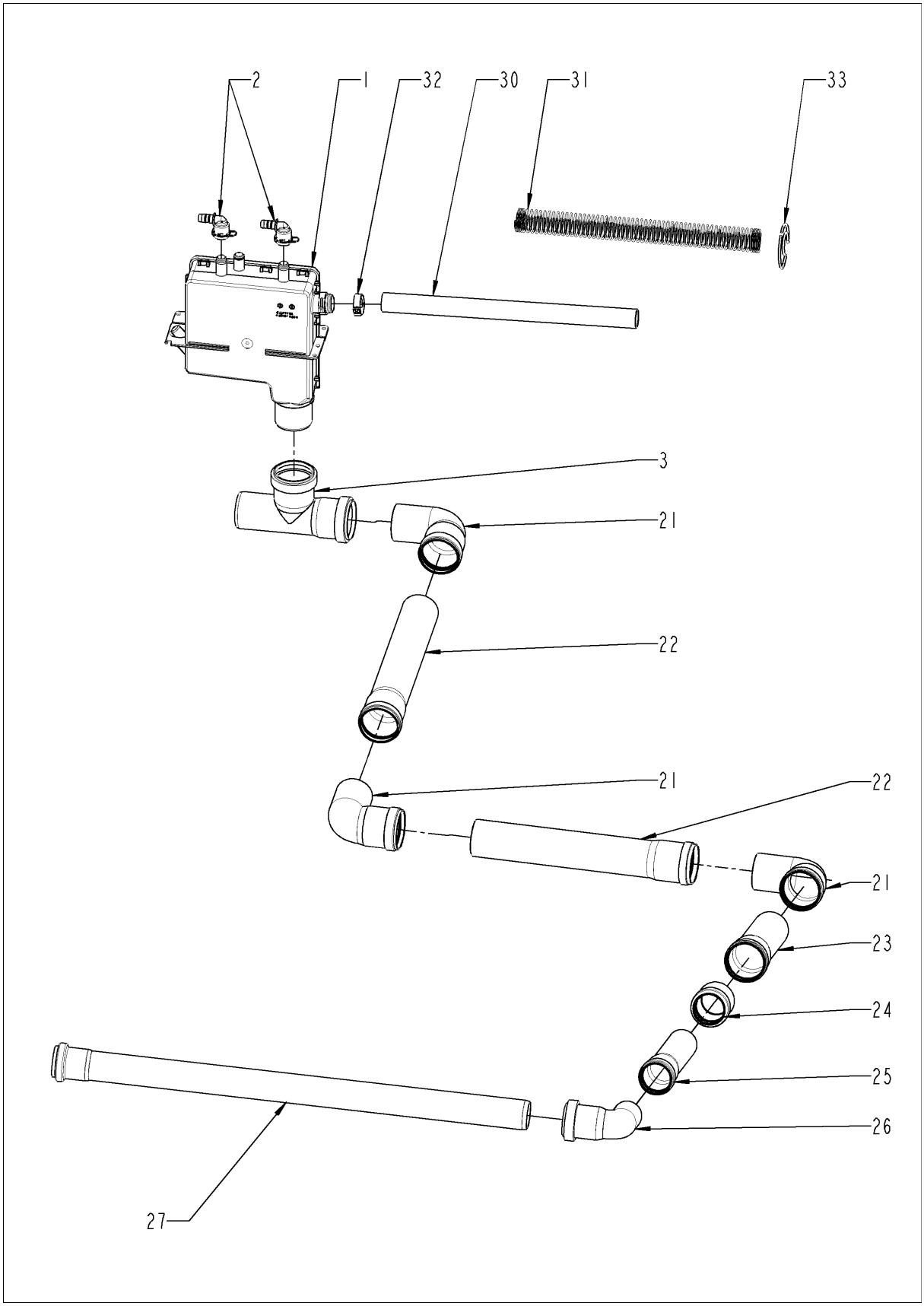
Console



Console

Pos.	Part no.	Description	Qty.
1	16.03.491P	Front panel console	1
2	10.01.912P	Crosshead screw M5x12	2
3	16.03.553P	Side panel left for console	1
4	16.03.554P	Side panel right for console	1
6	42.00.356P	Protection board for socket outlet protection	1
7	16.03.827P	Sticker differential protection	1
8	40.01.410P	Socket 2P+T 16A (Germany)	1
9	40.06.583P	Interface cable USB 1,4m	1
10	40.06.045P	USB socket cover	1
11	16.03.878P	Front panel cover for USB assembly	1
12	16.03.997P	Socket flap	1
13	24.02.804P	Magnet 22x10mm	1
14	10.01.923P	Counter head screw M5x45 DIN965-H	2

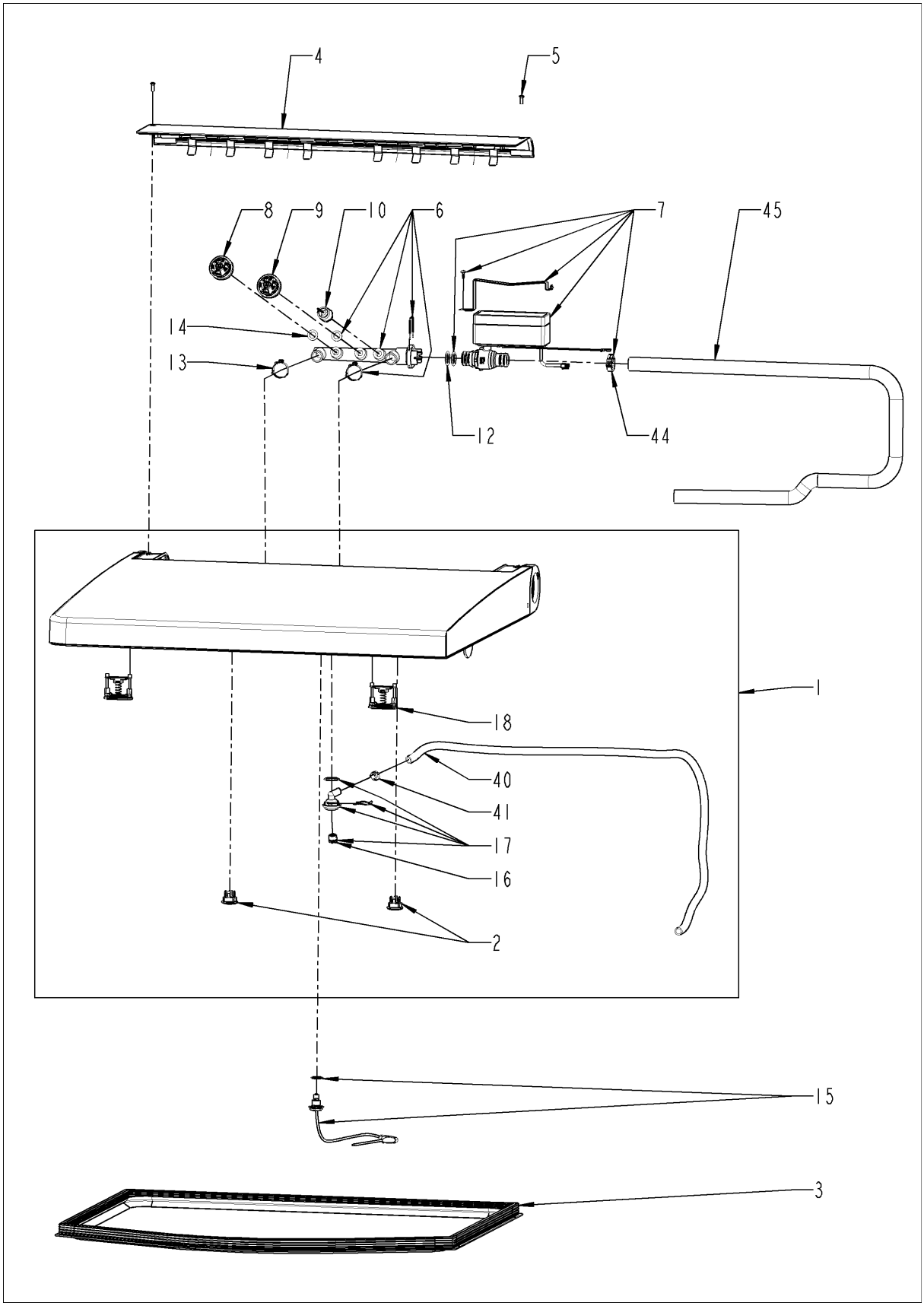
Water drain



Water drain

Pos.	Part no.	Description	Qty.
1	54.01.978P	Control chamber	1
2	52.00.017P	Angle plug PS3 6-6-90°	2
3	2070.0048P	HT drain T-fitting 50mm	1
21	54.00.560P	Elbow-pipe PP DN50 87°	3
22	54.00.755P	Pipe PP DN50 x 250	2
23	54.00.564P	PP-Pipe DN50 x 150mm	1
24	50.00.680P	Bushing PP D50/D40	1
25	54.00.567P	PP-Pipe DN40 x 150mm	1
26	54.00.575P	Elbow-pipe PP DN40 87.5°	1
27	20.03.058P	Pan drain hose	1
30	24.04.939P	Silicone hose diameter 20/26mm	1.2
31	50.02.072P	Holding spring	1
32	10.02.240P	Hose clamp clic R96-290	1
33	24.05.622P	Spring stop	1

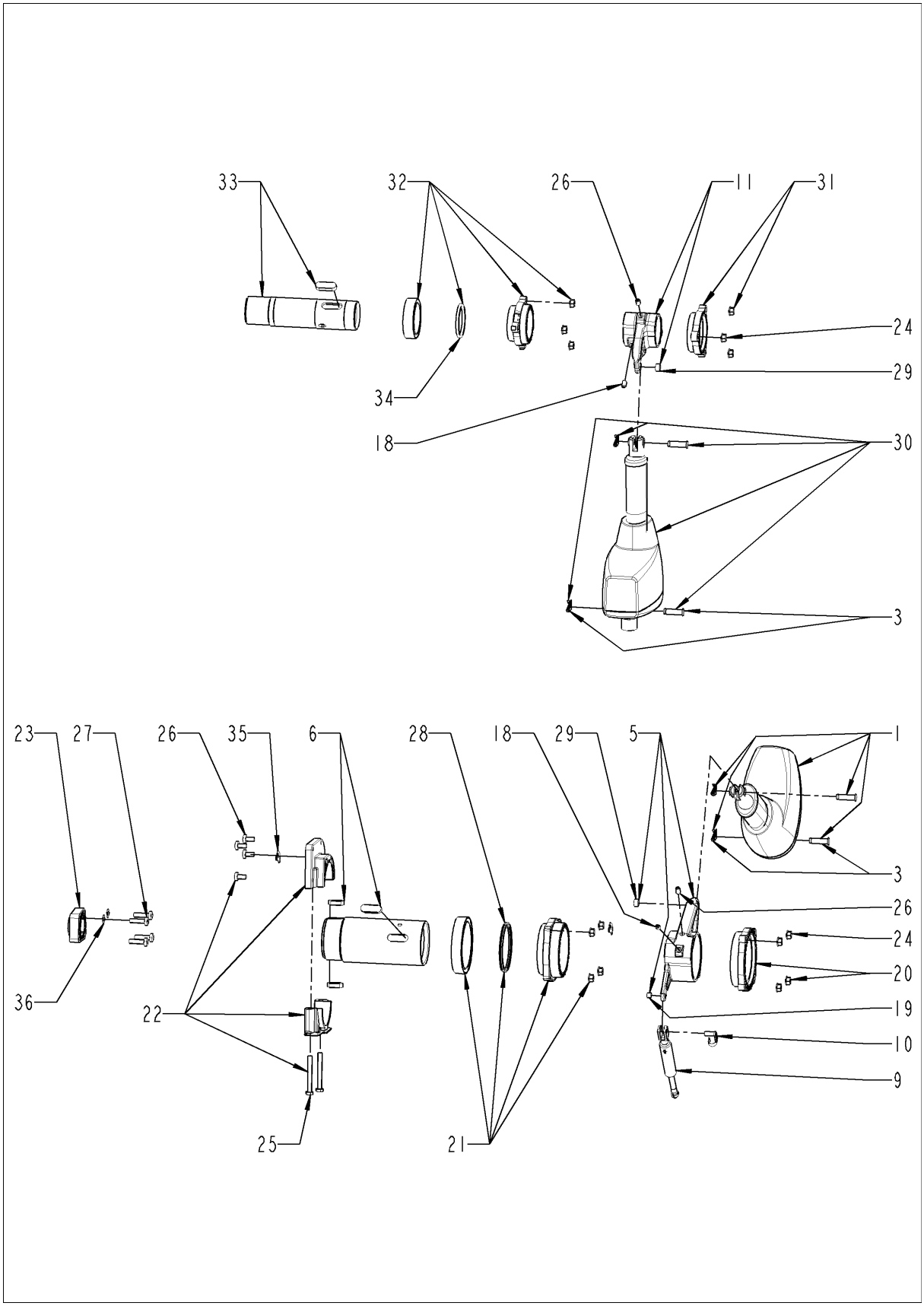
Lid



Lid

Pos.	Part no.	Description	Qty.
1	24.04.297P	Lid	1
2	24.04.054P	Cover for pressure connection	2
3	24.04.953P	Lid gasket	1
4	24.04.880P	Inspection cover for lid	1
5	10.01.808P	Hex socket countersunk head screw M5x16	2
6	87.01.563S	Left module for sensors	1
7	87.01.836S	Pressure control valve	1
8	54.01.751S	Pressure switch 20 mbar	1
9	54.01.878S	Pressure switch 350 mbar	1
10	54.01.771P	Pressure sensor	1
12	54.02.082P	O-ring for ball valve 21,5 x 3	2
13	10.02.087P	Hose clamp clic R96-285	2
14	54.01.962P	Flat gasket 20x13,5x2mm	2
15	40.07.165S	Meat probe sensor	1
16	50.02.248S	Aerator with service key	1
17	87.01.617S	Filling nozzle left cover	1
18	24.04.432P	Locking orifice plug	2
40	24.04.940P	Silicon hose ø10x3mm	1.2
41	10.01.132P	Hose clamp clic R86-140	1
44	10.02.240P	Hose clamp clic R96-290	1
45	24.04.939P	Silicone hose diameter 20/26mm	1.2

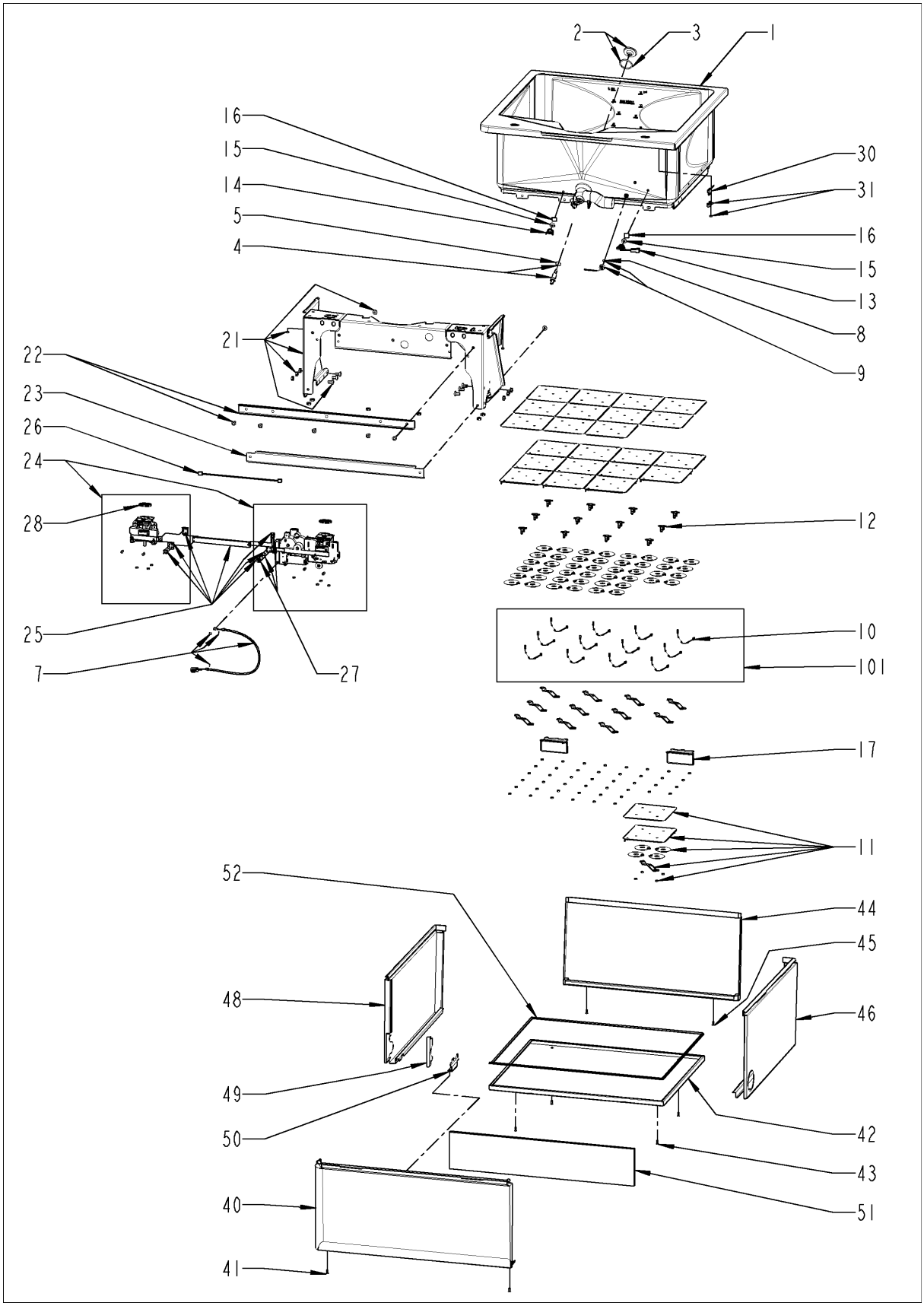
Kinematic


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Kinematic

Pos.	Part no.	Description	Qty.
1	20.03.297S	Lifting cylinder for pan	1
1.1	40.06.578P	Set of power supply cables for pan and lid cylinders	1
3	20.02.653S	Shaft hoist swing shaft 10x38	4
5	20.03.323S	Lift arm for pan	1
6	20.03.190S	Pan shaft	1
9	20.03.346P	Gas spring 900N	1
10	10.02.168P	Fixture security for gas spring	1
11	24.04.358S	Arm raising lid	1
18	10.01.833P	Hexagon socket set screws with flat point M8x14	1
19	24.02.753P	Flange Bearing GSM-0809-08	1
20	20.03.382S	Inner bearing for pan	1
21	20.03.331S	Bearing for pan	1
22	87.01.603S	Pan clamping bearing assembly	1
23	20.02.892P	Bearing left for pan	1
24	10.01.851P	Collar nut M8 locking teeh	14
25	10.00.750P	Hex screw M8x70	2
26	10.01.616P	Pan head screw Torx T40 M8x16	6
27	10.01.826P	Cylinder head screw torx T40 M8x30	4
28	12.02.398P	X-ring 85x5.33	1
29	10.01.468P	Sintered bronze bushings	2
30	24.04.352S	Lifting cylinder for lid	1
31	24.04.455S	Cover bearing	1
32	24.04.424S	Lid bearing with sealing ring	1
33	24.04.418S	Cover shaft	1
34	12.02.399P	X-ring 55x5.33	1
36	1308.0160P	Washer M8 A2	2

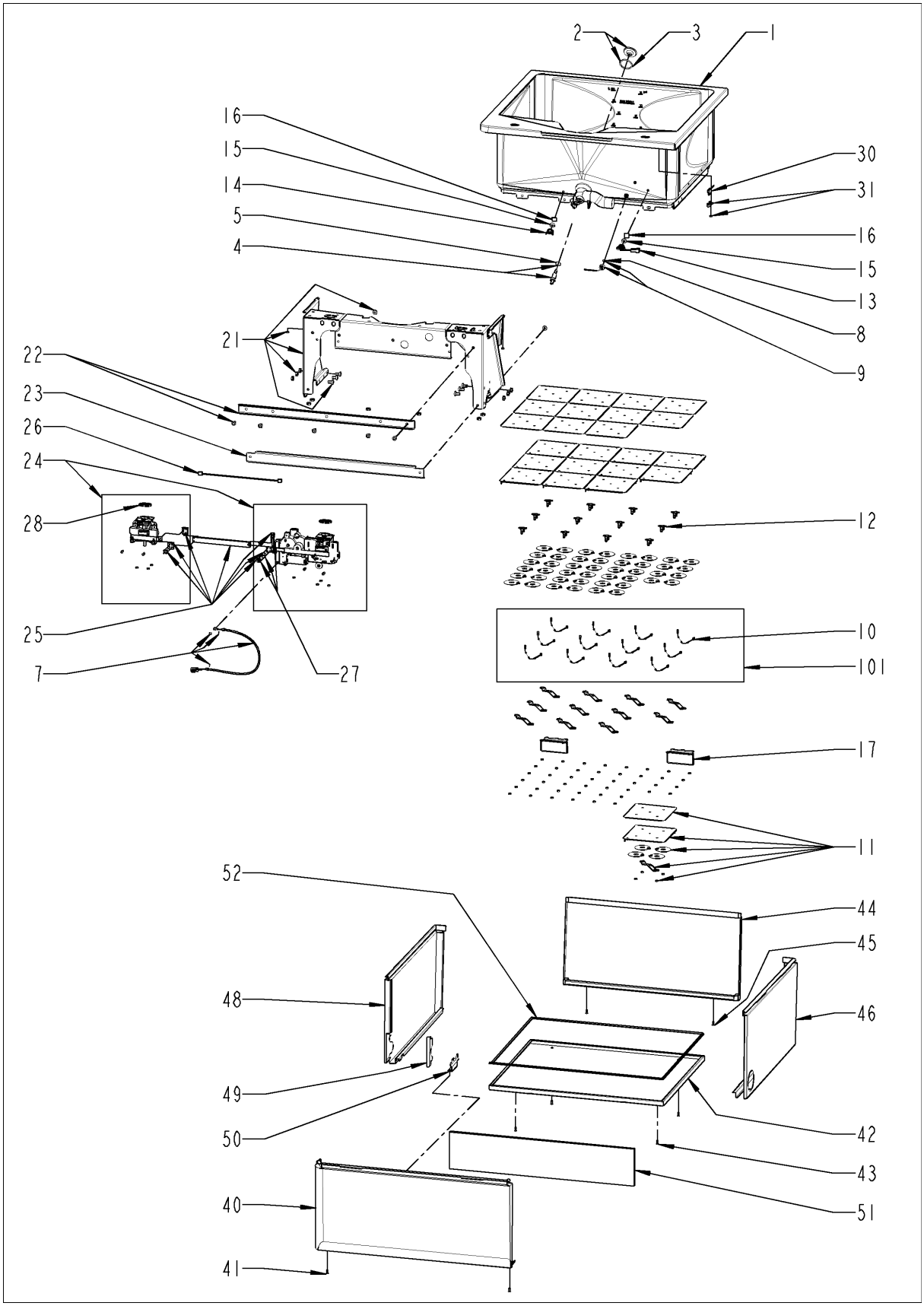
Pan


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Pan

Pos.	Part no.	Description	Qty.
1	87.01.605S	Kit pan with pressure	1
1.1	10.02.267P	Gasket 3x10mm	3.2
2	20.01.653S	Plug for pan valve with gasket	1
3	20.00.993P	Gasket for plug pan valve	1
4	20.01.587S	Sheath for pan valve	1
5	10.00.675P	O-ring f. pan valve 17.3 x 2.4	1
7	20.03.450S	Pan valve cable pan left	1
8	20.03.600P	O-ring 9.8x1.5	1
9	40.06.857S	Thermocouple pan left	1
10	87.00.339	Thermocouple for heating element	1
11	87.00.674	Conversion kit heating element 2287W 230V	12
12	40.04.370P	Safety temperature limiter heating element	12
13	40.04.501P	Safety temperature limiter 130°	1
14	40.02.337P	Safety temperature limiter 215°C	1
15	20.01.508P	Spacer for safety temperature limiter	2
16	20.01.518P	Graphit plate for safety temperature limiter	2
17	20.03.024P	Stop for pan	2
21	20.03.658S	Front reinforcement of pan headband	1
22	20.03.661S	Transverse pan reinforcement	1
23	20.03.505P	Pan reinforcement	1
24	87.01.564S	Lid locking assembly	1
25	20.03.341S	Master-slave link assembly	1
26	40.06.880P	Master-slave connection cable	1
27	20.03.696P	Connecting link ISO06B-1 Form E	1
28	20.03.705P	Gasket for lid locking assembly	2
30	40.06.458P	Magnetic contact	1
31	20.03.667S	Magnetic contact support	1
40	16.03.844P	Front panel for pan	1
41	10.01.808P	Hex socket countersunk head screw M5x16	2
42	16.03.842P	Lower panel for pan	1
43	10.01.808P	Hex socket countersunk head screw M5x16	4
44	16.03.841P	Back panel for pan	1
45	10.01.808P	Hex socket countersunk head screw M5x16	2
46	16.03.556P	Side panel right of pan	1
48	16.03.372P	Side panel left of pan	1
49	16.03.706P	Sealing device for left panel	1

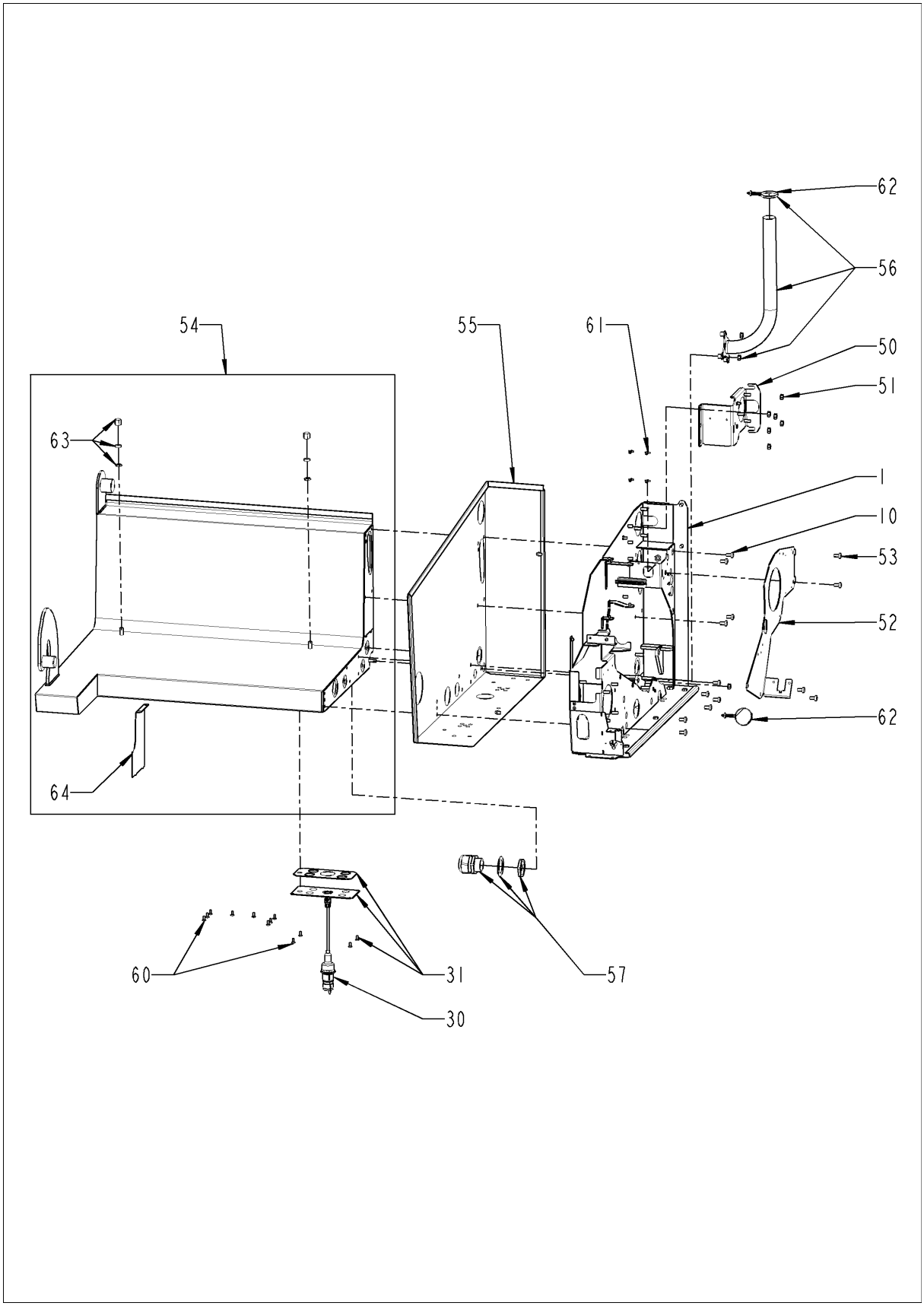
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Pan

Pos.	Part no.	Description	Qty.
50	20.03.254P	Mounting piece for pan panel	1
51	20.03.474P	Pan front insulation	1
52	20.03.466P	V-profile gasket	3.2
100	40.05.946P	Power harness heating element	1
101	40.05.932P	Thermocouple harness	1

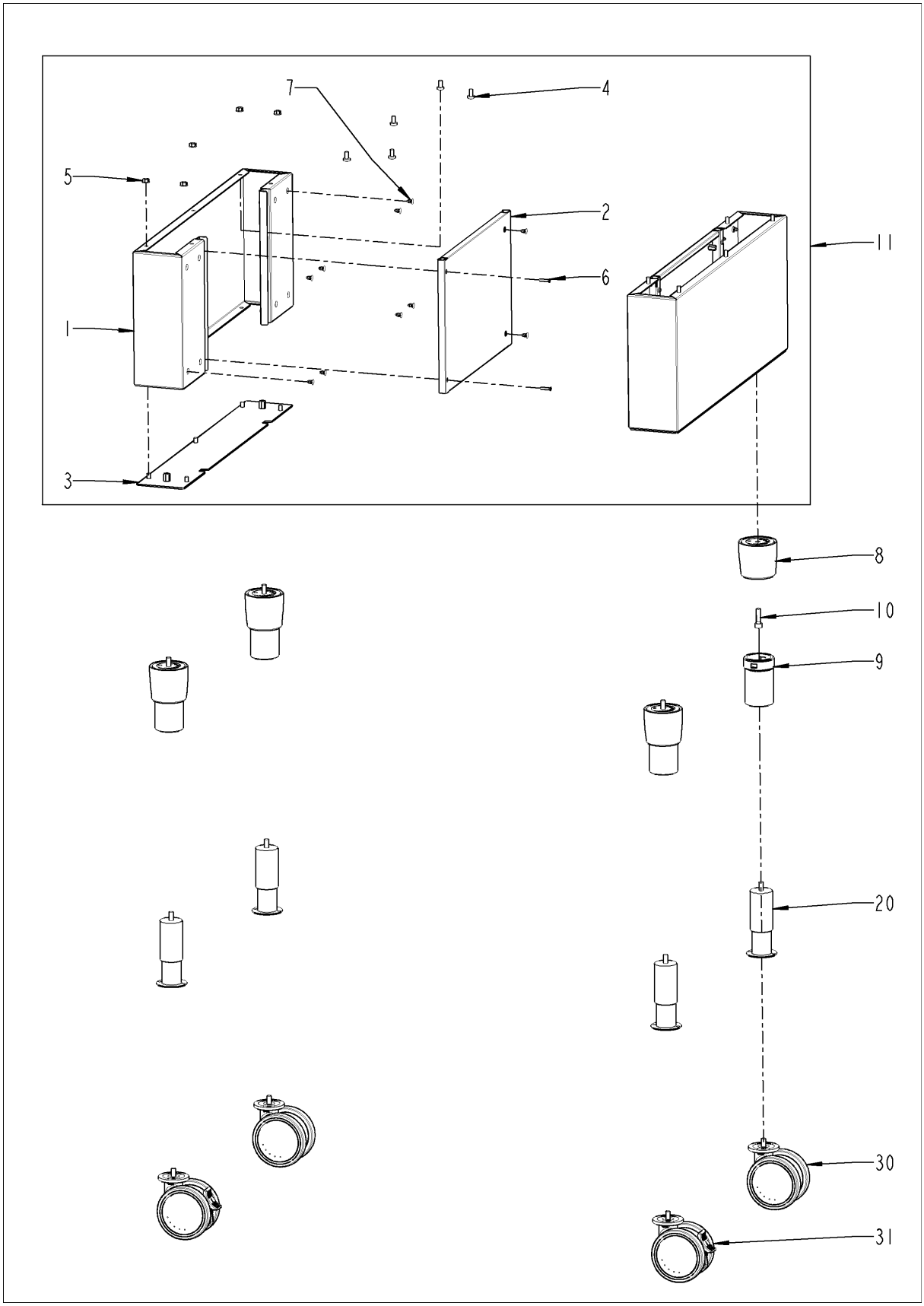
Base structure



Base structure

Pos.	Part no.	Description	Qty.
1	12.02.937P	Chassis right	1
10	10.01.616P	Pan head screw Torx T40 M8x16	10
31	12.02.440S	Cable gland mounting plate	1
50	12.02.939P	Removable part of the right frame	1
51	10.01.851P	Collar nut M8 locking teeh	5
52	12.02.531P	Shower roll guide holder	1
53	10.01.616P	Pan head screw Torx T40 M8x16	4
54	12.02.470P	Chassis left 211/311	1
55	16.03.553P	Side panel left for console	1
56	12.02.971S	Guide tube for a supply cable	1
57	40.00.701S	Screwed cable gland polyamid PG40	1
60	10.01.912P	Crosshead screw M5x12	14
61	10.02.198P	Plastic spacer 7mm for 3mm thickness	4
62	10.02.082P	Fir foot clamp for pipe Ø50	2
63	12.01.086S	Stop for pan on cross frame	1
64	16.03.769S	Chassis rear cover	1
70	40.00.320P	Cable connection M20x1.5	1

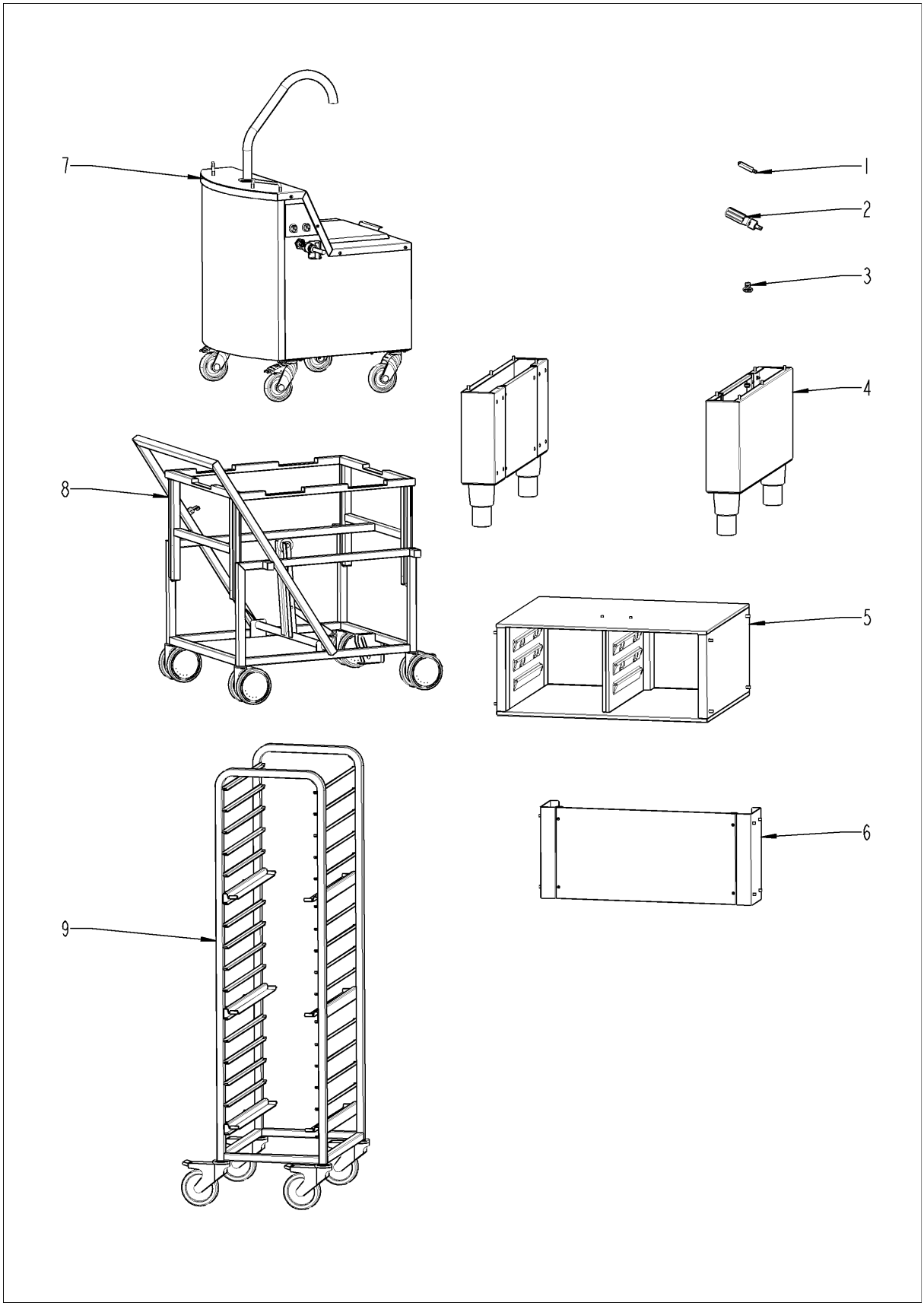
Underframe



Underframe

Pos.	Part no.	Description	Qty.
1	60.74.416P	Substructure body	2
2	60.74.474P	Substructure hatch	2
3	60.74.536P	Substructure bottom plate	2
4	10.01.616P	Pan head screw Torx T40 M8x16	10
5	10.01.851P	Collar nut M8 locking teeh	10
6	10.01.669P	Slot counter head secur screw M5X20 Phillips	4
7	10.01.928P	Plug 6.6 for threaded hole M8	20
8	12.00.205P	Upper part of pedestal	4
9	12.00.224P	Lower part of pedestal 110mm	4
10	10.01.953P	Socket cap screw M10x35 A2 Tuflok	4
11	87.01.793S	Retrofit substructure body assembly	1
20	12.03.051P	Adjustable stainless foot	4
30	60.74.680P	Castor without brake ø125mm	2
31	60.74.681P	Castor with brake ø125mm	2

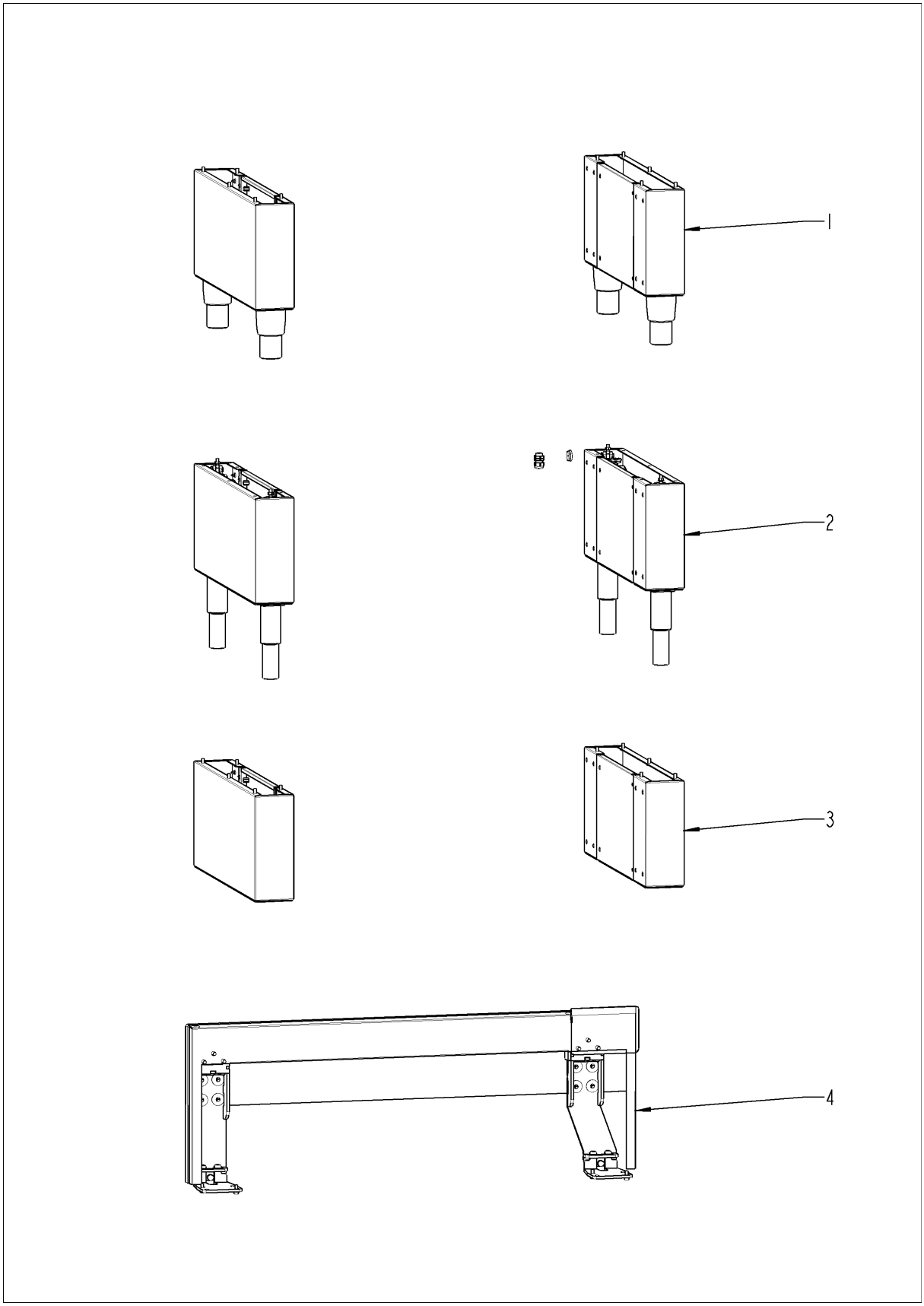
Accessories



Accessories

Pos.	Part no.	Description	Qty.
1	87.01.758	Memory-Stick USB iVario	1
2	W24001	Dynamometric screwdriver 4Nm	1
3	50.02.319P	Aerator service key	1
4		Installation variants	1
5		Storage space for substructure	1
6		Panelling for substructure	1
7		Oil cart	1
8		VarioMobil	1
9		Basket cart	1

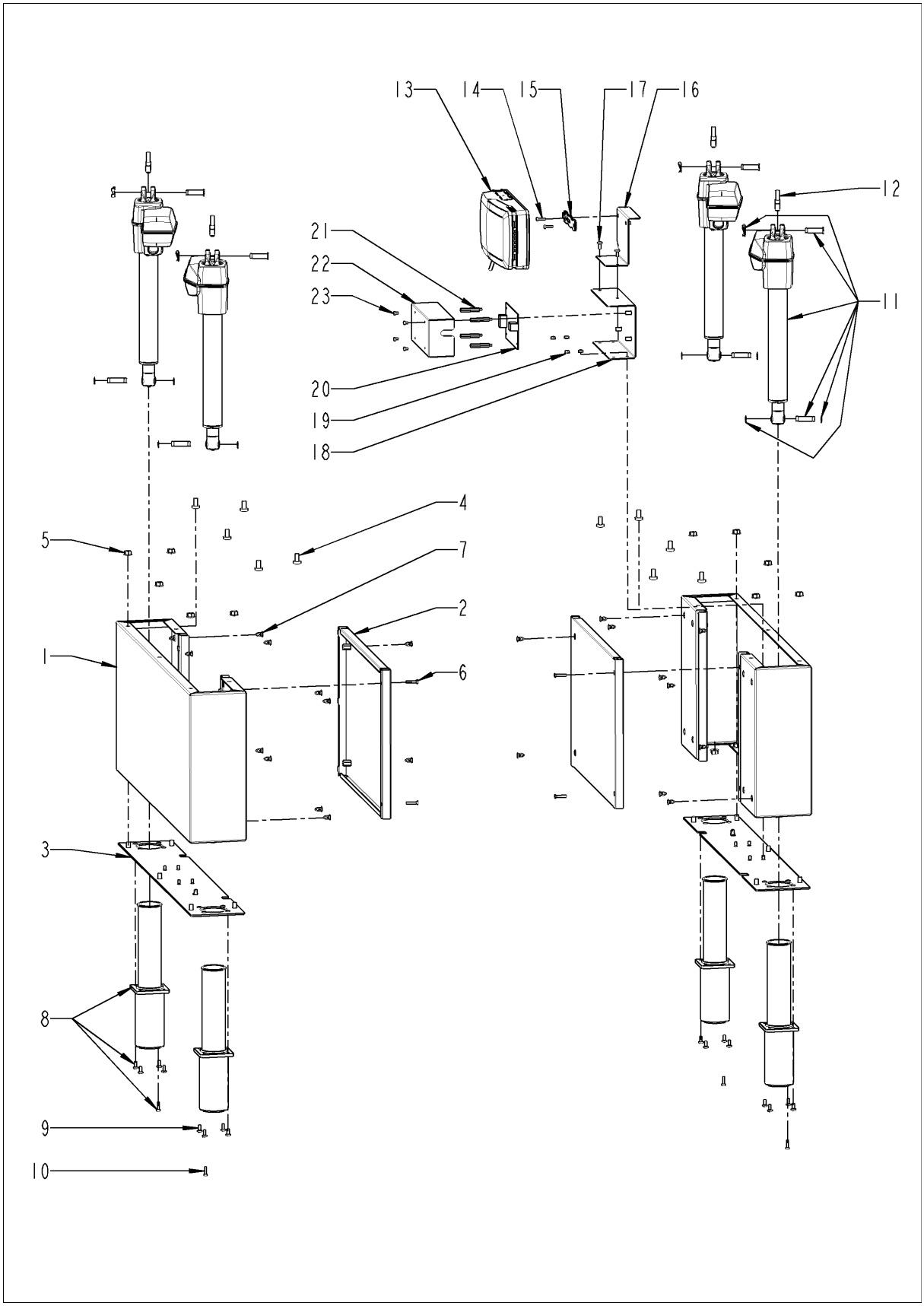
Installation variants



Installation variants

Pos.	Part no.	Description	Qty.
2		Stand with electric height adjustment	1
4		Wall attachment kit	1

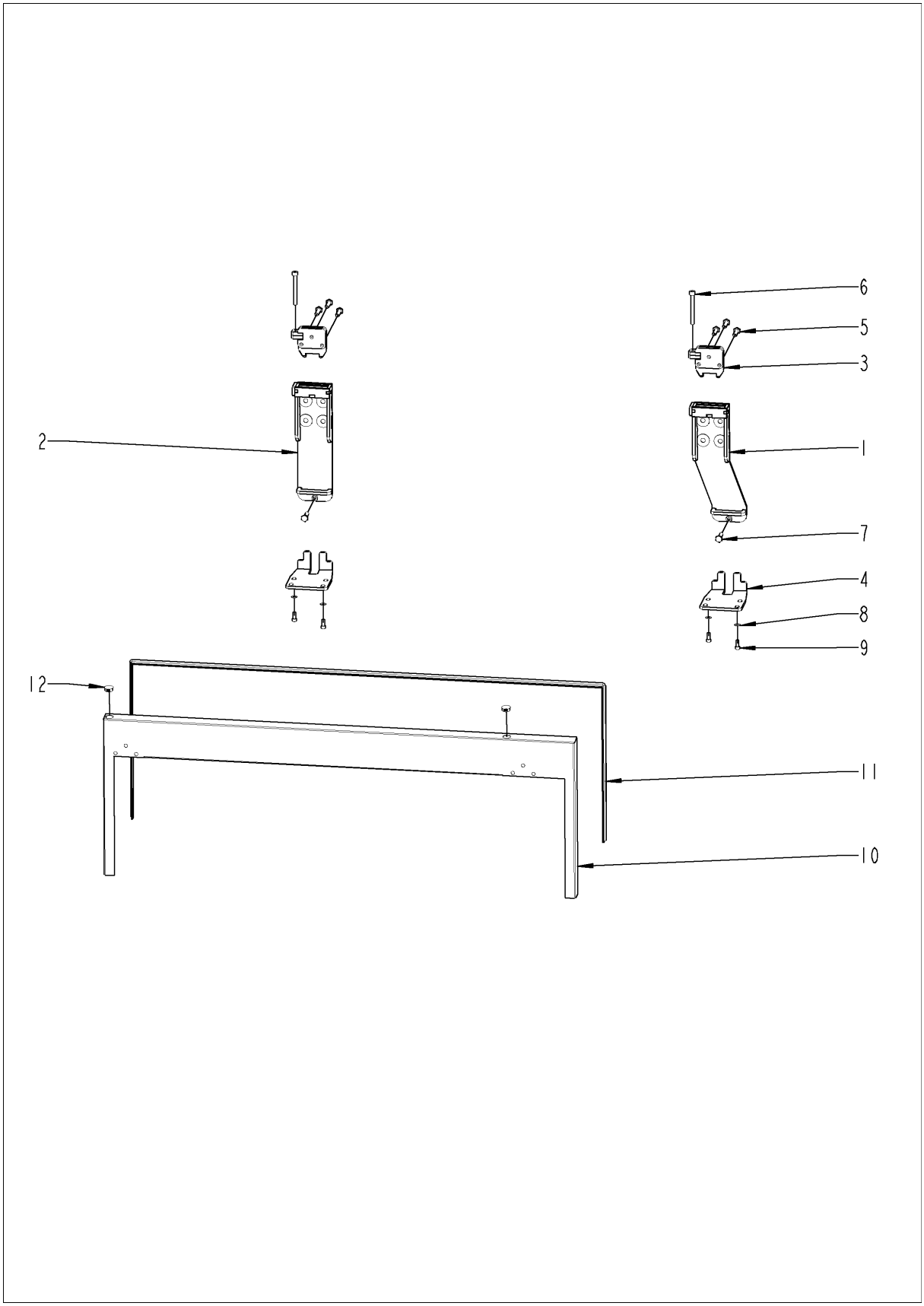
Stand with electric height adjustment



Stand with electric height adjustment

Pos.	Part no.	Description	Qty.
1	60.74.416P	Substructure body	2
2	60.74.474P	Substructure hatch	2
3	60.74.669P	Bottom plate for a height-adjustable substructure	2
4	10.01.616P	Pan head screw Torx T40 M8x16	10
5	10.01.851P	Collar nut M8 locking teeh	10
6	10.01.669P	Slot counter head secur screw M5X20 Phillips	4
7	10.01.928P	Plug 6.6 for threaded hole M8	20
8	60.74.713S	Telescopic foot	4
9	10.01.912P	Crosshead screw M5x12	16
10	10.01.778P	Pan head screw Torx M4x16	4
11	87.01.759S	Lifting cylinder for height adjustable substructure	1
12	60.74.853P	Eye socket with threaded shank M8x20	4
13	42.00.305S	Module CO61	1
14	10.01.778P	Pan head screw Torx M4x16	2
15	42.00.342P	Holder for module CO61	1
16	42.00.351P	CO61 module carrier	1
17	10.01.912P	Crosshead screw M5x12	2
18	42.00.344P	Converter holder part 1	1
19	10.01.054P	Hexagonal nut with notched flange M5	4
20	42.00.352P	RS232 converter for adjustable height	1
21	10.02.121P	Hexagonal spacer M4x40	4
22	42.00.375P	Converter protection cover	1
23	10.00.061P	Pan head screw Torx T20 M4x12	4
30	54.02.056P	Flexible drain pipe DN50	1
100	40.07.175P	Power + bus cable for height-adjustable substructure	1
102	40.06.762P	Short power supply cable height adjustable cylinder	2
103	40.06.763P	Cylinder connection cable to CO61 module	2
104	40.06.765P	Connection cable CO61 - RS232 converter	1

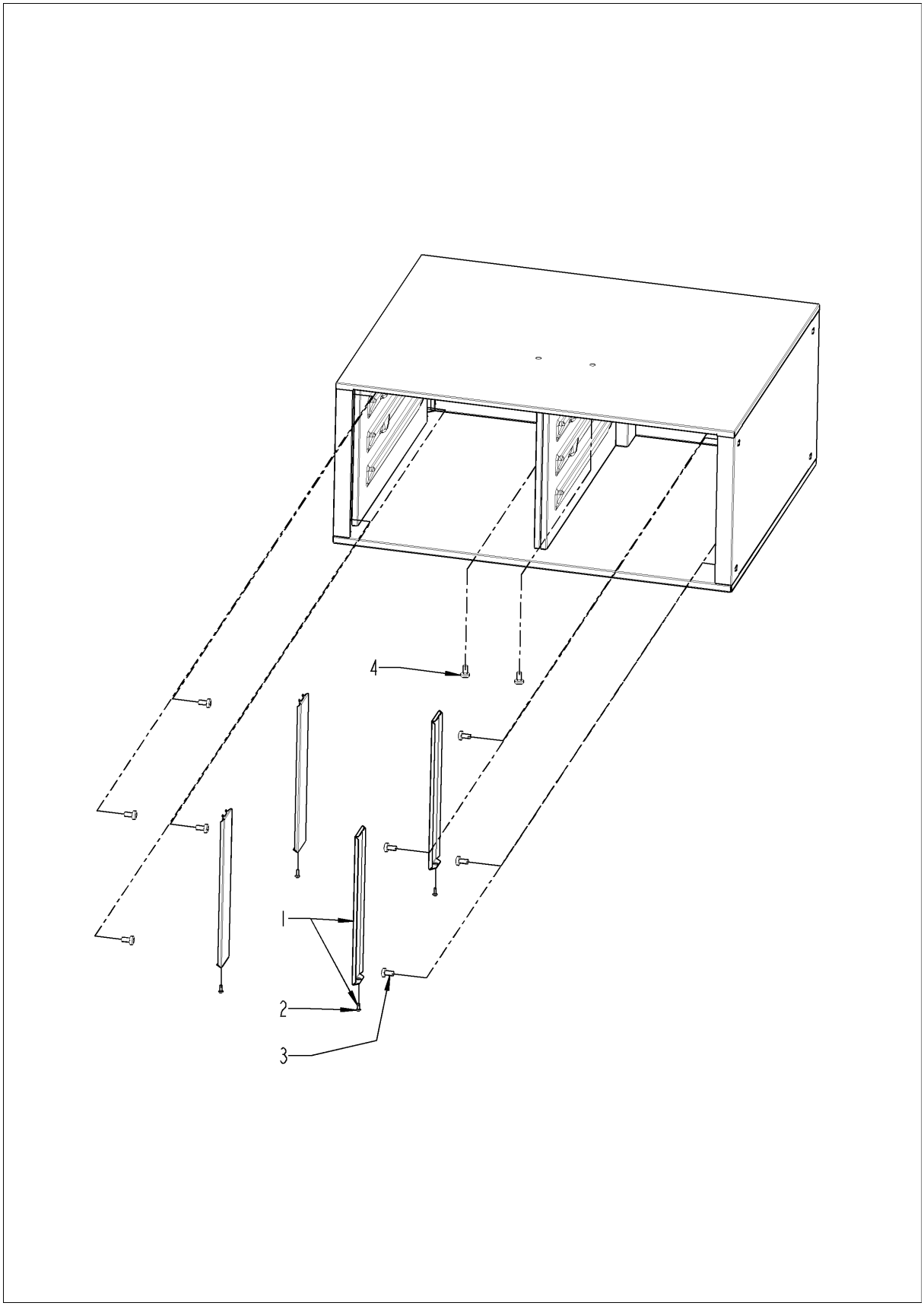
Wall attachment kit



Wall attachment kit

Pos.	Part no.	Description	Qty.
1	60.75.926P	Right wall bracket	1
2	60.75.944P	Left wall bracket	1
3	60.75.931P	Wall mounting hook	2
4	60.75.939P	Locking bracket	2
5	1010.0763P	Hex screw M10x40	6
6	10.02.084P	Allen screw M10x90	2
7	1010.0763P	Hex screw M10x40	2
8	1308.0160P	Washer M8 A2	4
9	10.01.241P	Allen screw M8x20	4
10	60.75.989P	Wall mounting panelling	1
11	60.75.984P	Wall mounting panelling gasket	1
12	10.02.190P	Blanking plug for Ø22.2mm	2

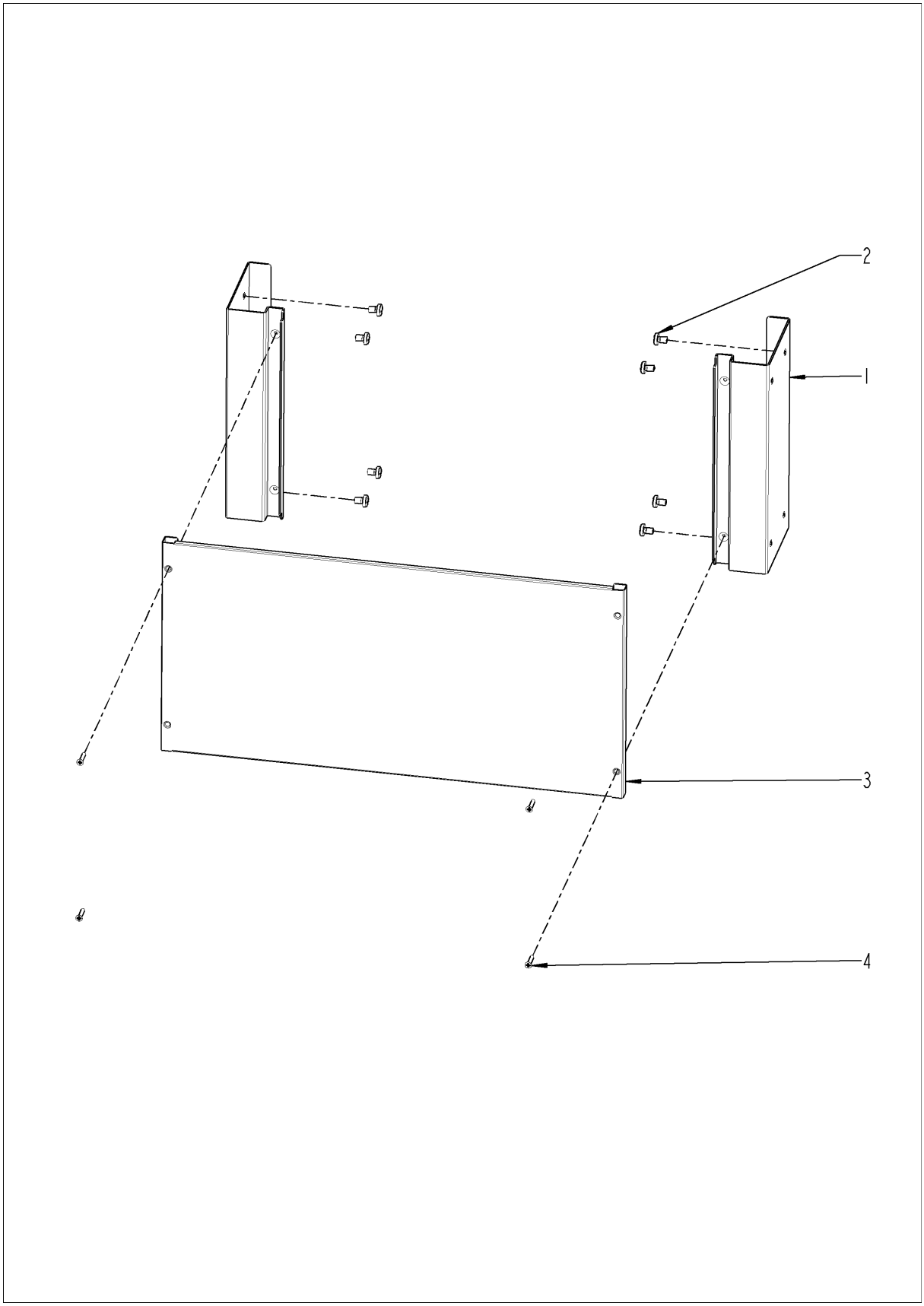
Storage space for substructure



Storage space for substructure

Pos.	Part no.	Description	Qty.
1	60.76.629S	Side hatch for storage space	4
2	10.01.776P	Pan head screw Torx T20 M4x12	4
3	10.01.616P	Pan head screw Torx T40 M8x16	8
4	10.02.033P	Hex screw M8x40	2

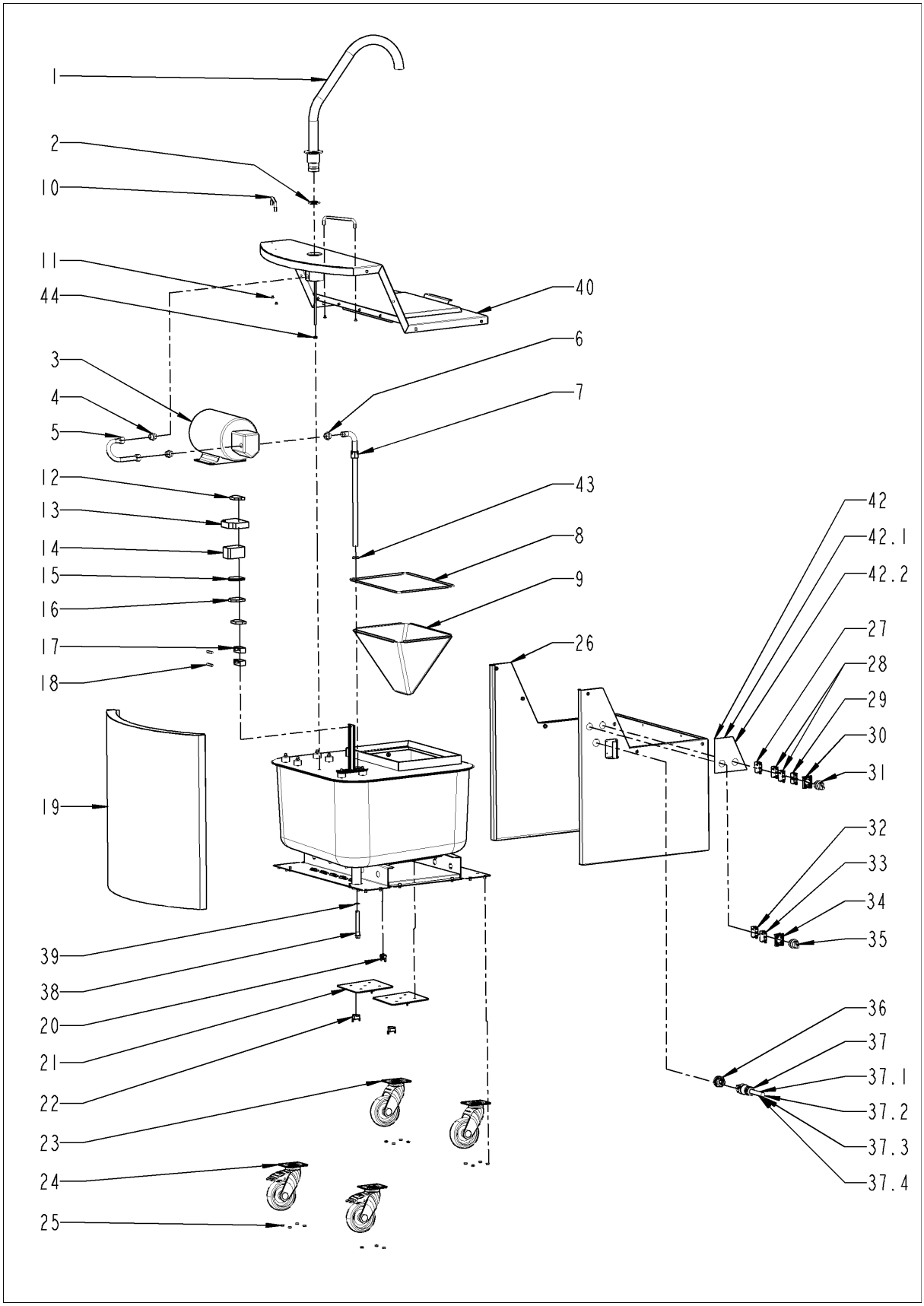
Panelling for substructure



Panelling for substructure

Pos.	Part no.	Description	Qty.
1	60.76.098P	Substructure panelling support	2
2	10.02.025P	Crosshead screw M8x12	8
3	60.76.099P	Substructure cover plate	1
4	10.01.669P	Slot counter head secur screw M5X20 Phillips	4

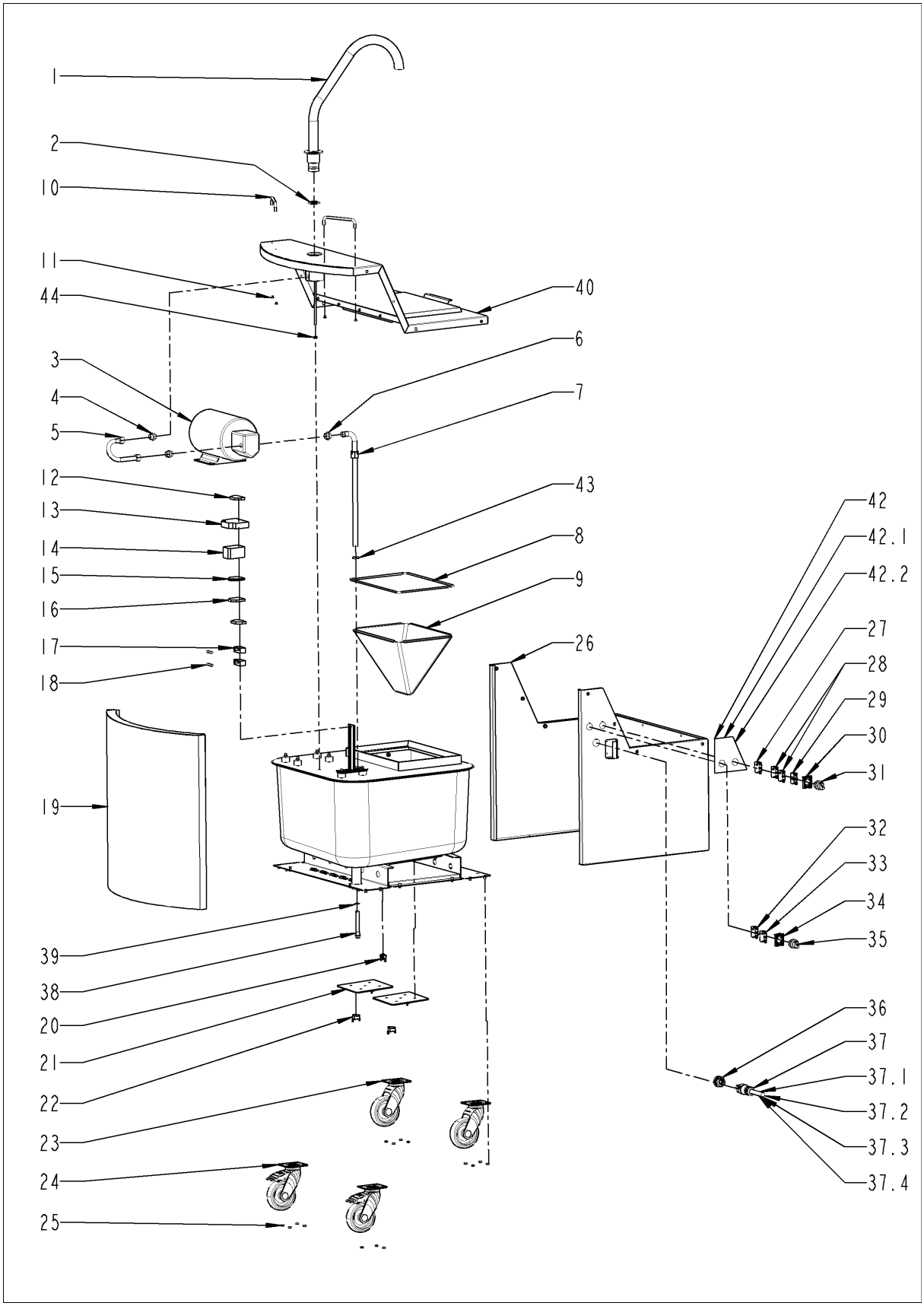
Oil cart


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Oil cart

Pos.	Part no.	Description	Qty.
1	82.00.247	Kit filling pipe	1
1.01	82.00.674P	Filling pipe for 100mm extension	1
2	82.00.240	O-ring 34x3	1
3	82.00.235	Kit pump	1
4	82.00.243	Hex double nipple G 3/8"	2
5	82.00.291	Flexible pipe 350mm for oil troley	1
6	82.00.268	Hex nipple M3/8"-F1/4"	1
7	82.00.246	Suction pipe complete	1
8	60.71.850	Support of oil filter	1
9	60.71.599	Oil filter	1
10	2610.400279F	Handle	1
11	1004.0665F	Allen screw M4x6	2
12	82.00.250	End plate for mounting rail	2
13	82.00.254	Timing relay	1
14	40.02.917	Contactor 3TG1010-2AK2	1
15	82.00.248	Terminal block 4mm²	1
16	82.00.249	Terminal block 4mm² blue	1
17	82.00.251	Fuse holder	2
18	4001.0226V	Fuse 6.35x32mm 16A, time-lag	2
19	82.00.288	Round panel	1
20	40.02.337	Safety temperature limiter 215°C	1
21	82.00.265	Kit heating element	1
22	82.00.261	Klixon 240°	2
23	82.00.230	Castor without brake	2
24	82.00.231	Castor with brake	2
25	1105.0121V	Hex combination nut M5 galv	16
26	82.00.289	External panel	1
27	82.00.259	Contact NC	1
28	82.00.258	Contact NO	2
29	82.00.260	Blue Led indicator	1
30	82.00.257	Adaptator for contact element	1
31	82.00.255	Selector 2 positions lighted	1
32	82.00.258	Contact NO	1
33	82.00.259	Contact NC	1
34	82.00.257	Adaptator for contact element	1
35	82.00.256	Selector 3 positions spring return	1

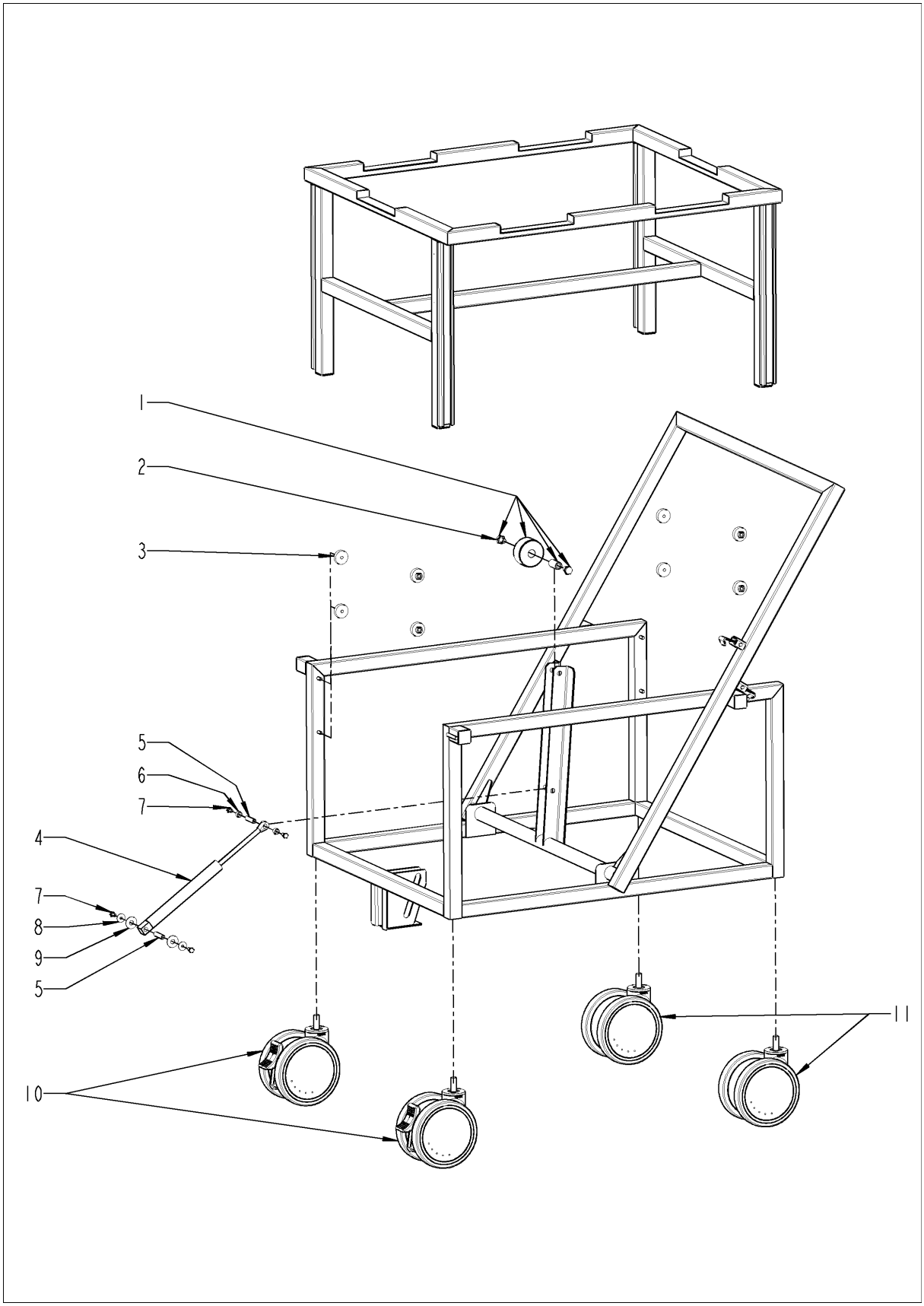
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Oil cart

Pos.	Part no.	Description	Qty.
36	82.00.300	Connector for socket-outlet	1
37	40.04.518	Spiral cable FR/DE	1
37.1	40.04.519	Spiral cable UK	1
37.2	40.04.520	Spiral cable CH	1
37.3	40.04.522	Spiral cable AUS	1
37.4	40.04.521	Spiral cable DK	1
38	60.74.412	Drain plug oil reserve	1
39	60.99.244	Drain plug gasket	1
40	60.71.704	Lid complete oil cart	1
41	82.00.617	Insulation set for oil cart	1
42	82.00.363	Overlay FRIMA oil cart	1
42.1	60.74.940	Overlay RATIONAL oil cart	1
42.2	82.00.234	Overlay OEM oil cart	1
43	40.03.330P	Cable grommet Ø16	1
44	40.03.331P	Cable grommet Ø10	1

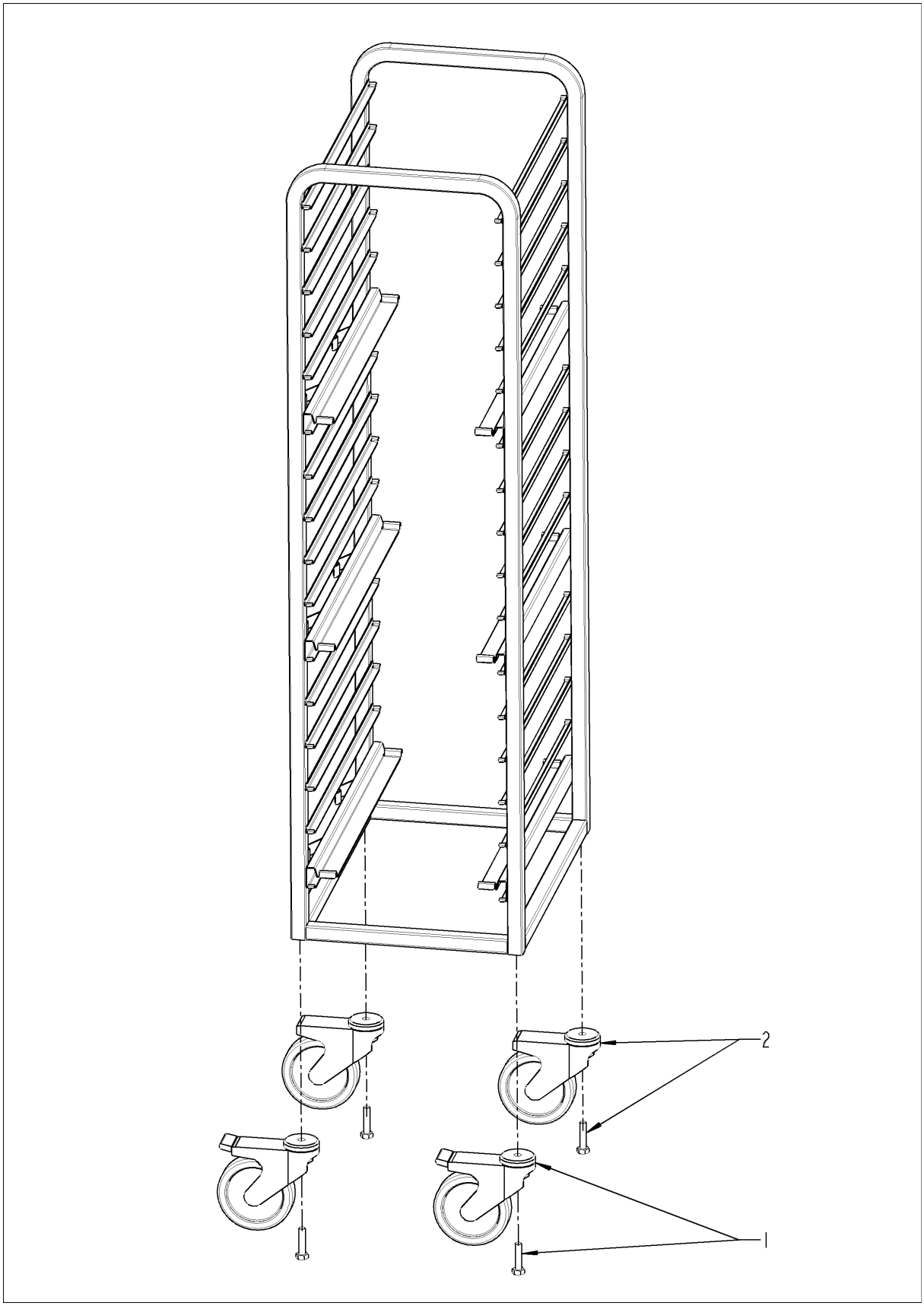
VarioMobil



VarioMobil

Pos.	Part no.	Description	Qty.
1	87.01.840S	Lifting roller with axle	1
2	10.00.280P	Screw HM 8x12 A2	2
3	60.70.131P	Roller 25/6.5 HM5 stainless steel	8
4	40.00.631S	Gas spring 350N	1
5	60.71.142P	Cylinder axis	2
6	10.01.538P	Spacer D10x6x1mm	1
7	1008.0752P	Hex screw M5x10	4
8	10.00.178P	Washer M5	2
9	1308.0162P	Washer A8,4	2
10	60.74.681P	Castor with brake ø125mm	2
11	60.74.680P	Castor without brake ø125mm	2

Basket cart



Basket cart

Pos.	Part no.	Description	Qty.
1	60.71.146	Castor with brake ø125mm, screw M12	2
2	60.71.147	Castor without brake ø125mm, screw M12	2

Repair and retrofit kit

Repair and retrofit kit

Pos.	Part no.	Description	Qty.
1	87.01.814S	Kit connection to energy optimiser	1
2	87.01.792S	Retrofit kit interface Ethernet	1
3	87.01.821S	Potential free contact adapter kit	1
4	87.01.833S	Hand shower removal kit	1
5	87.01.848S	Retrofit kit lockable control panel RATIONAL	1
6	87.01.818S	Differential Switch-Adapter-Kit "Australia"	1
6	87.01.820S	Differential Switch-Adapter-Kit	1
10	87.01.783S	Repair kit for technical box thread	1
11	87.01.822S	Control panel fixing repair kit	1
12	87.01.875S	Loudspeaker kit SL70 8W	1
13	87.01.876S	CPU fan retro fit kit	1
14	87.01.865S	Pressure sensor grounding kit	1

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10.01.241P	Allen screw M8x20	33
10.02.084P	Allen screw M10x90	33
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40.06.103P	Bus cable 0,7m	5
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40.06.760P	Cable control pcb - capacitive switch	5
40.06.569P	Cable CPU - TFT	5
40.00.320S	Cable gland M20x1.5	7
12.02.440S	Cable gland mounting plate	23
40.03.331P	Cable grommet Ø10	41
40.03.330P	Cable grommet Ø16	41
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40.07.427P	Cable harness W59 for energy optimizer extension module	7
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20.03.466P	V-profile gasket	21
60.75.931P	Wall mounting hook	33
60.75.989P	Wall mounting panelling	33
60.75.984P	Wall mounting panelling gasket	33
1308.0162P	Washer A8,4	43
10.00.178P	Washer M5	43
1308.0160P	Washer M8 A2	17, 33
1900.0202P	Water filter	9
50.02.094P	Water supply pipe	9
40.07.425P	Wiring harness for option "Differential switch"	7
12.02.399P	X-ring 55x5.33	17
12.02.398P	X-ring 85x5.33	17

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