Service part catalogue

Modell CM 201

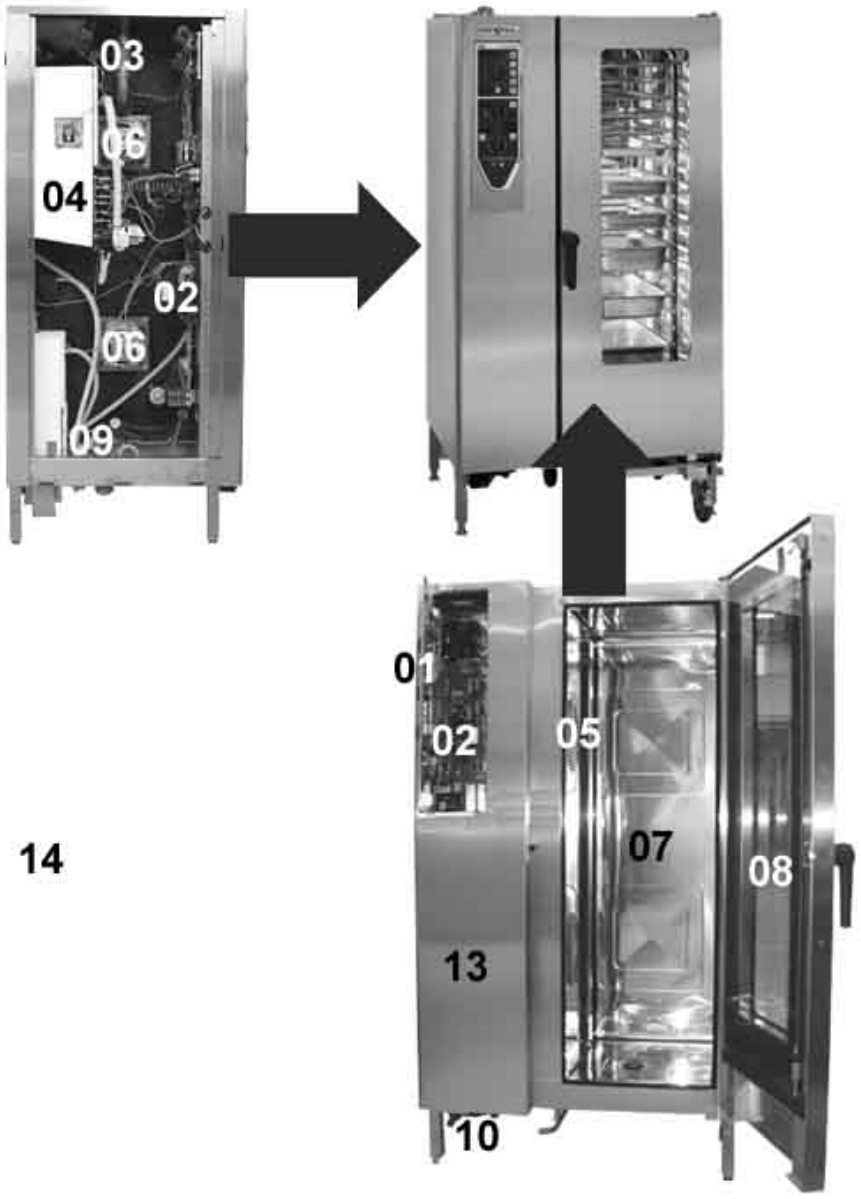
E21MD0112



20.04.2021
3 AC 200V 50-60Hz

Kat-RTS_140922
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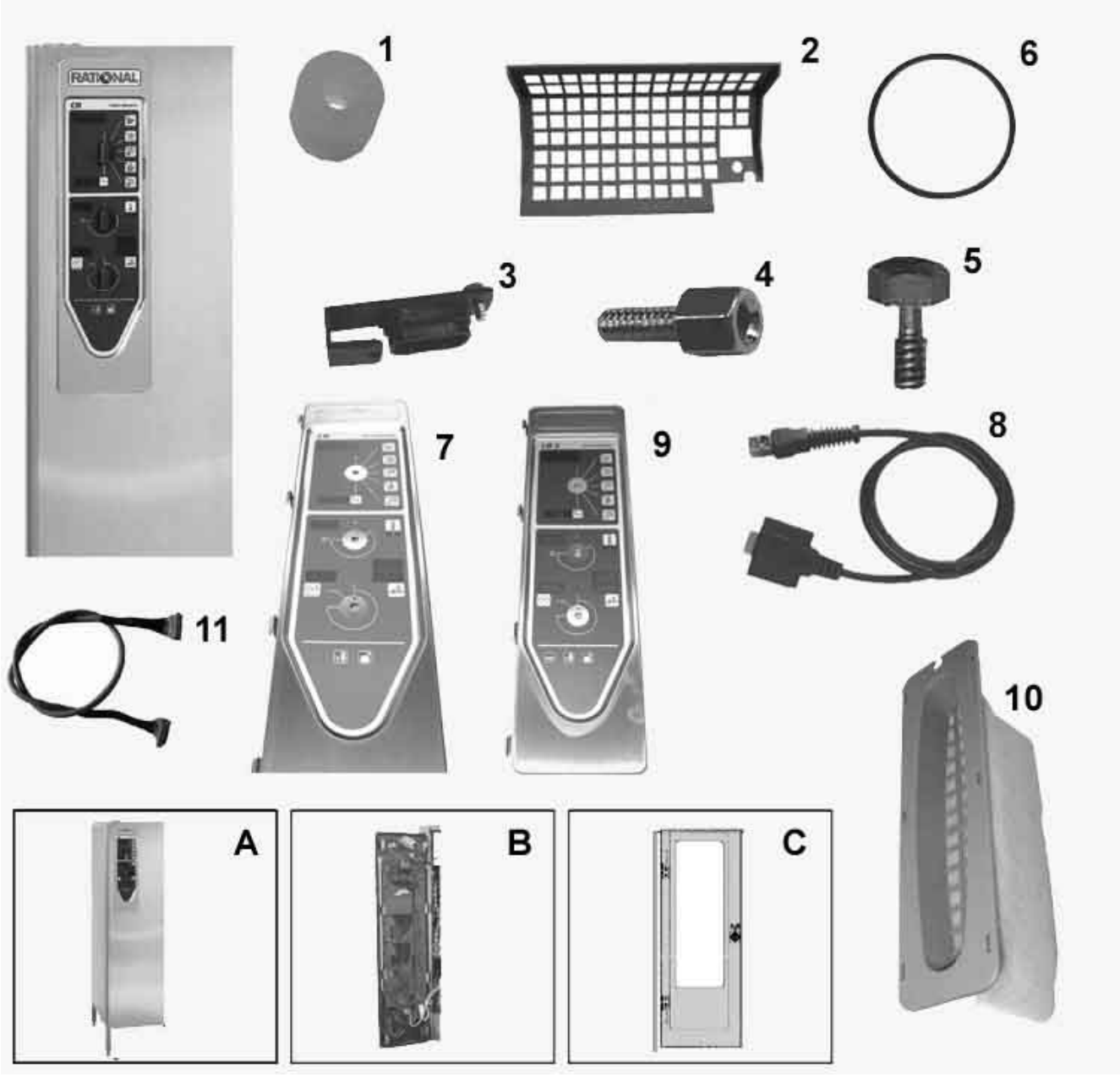
Overview



Overview

Pos.	Assembly	Page
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Control panel



Control panel

Pos.	Part no.	Description	Qty.
6	5012.0565	O-ring inlet filter	
7	8720.1327	Control panel insert with overlay	
10	8455.1377	Air inlet filter	
B		Panel insert	

Panel insert







Panel insert

Pos.	Part no.	Description	Qty.
1	1106.0160	Hex nut M6	
2	1206.0120	Tooth lock washer A6,4	
A		Panel insert	

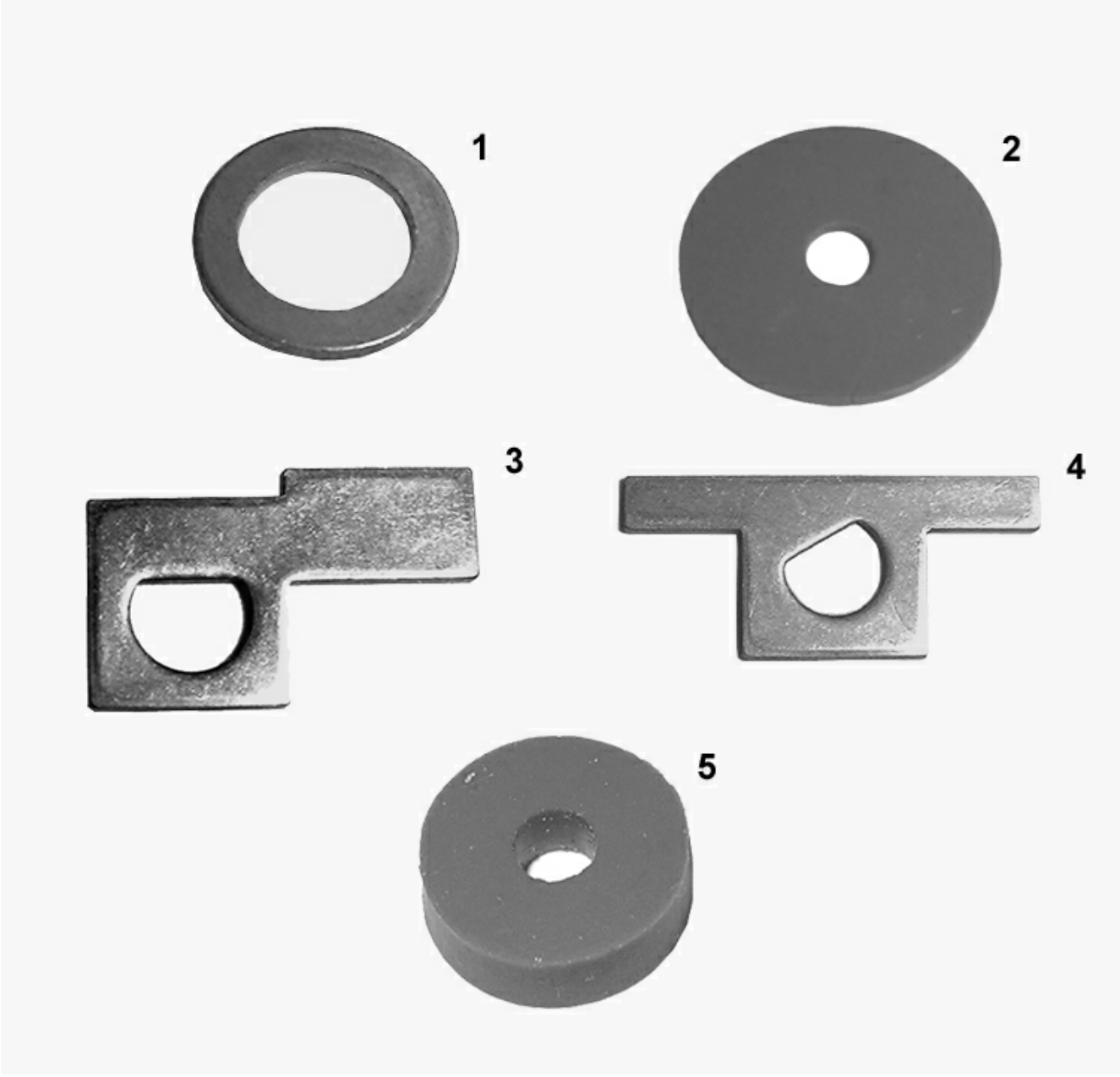
Panel insert



Panel insert

Pos.	Part no.	Description	Qty.
1	1103.0120	Hex nut M3	
2	1104.0121	Hex nut M4 self locking	
3	1304.0160	Washer A4,3	
4	1306.0218	Washer A4,3	
5	2039.0326	Spacer for pcb	
6	2052.1180	Sticker name trade sign Rational	
7	3006.0107	Buzzer	
8	3013.0344	Dial blue,	
9	4005.0103	Tie rap black	
9	4005.0101	Tie rap 145 mm	
10	5100.1011	Gasket	
11	5110.1027	Distance plate for front panel	
12	5110.1028	Gasket poti hot air, core temperature	
13	8720.1300	Bus cable CPU - operator pcb	
15	8720.1302	Power supply cable for operator pcb	
16	1603.0166	Rivet 3,2x7,9 CNS closed	
A	3040.3010	Operator pcb Electrical	

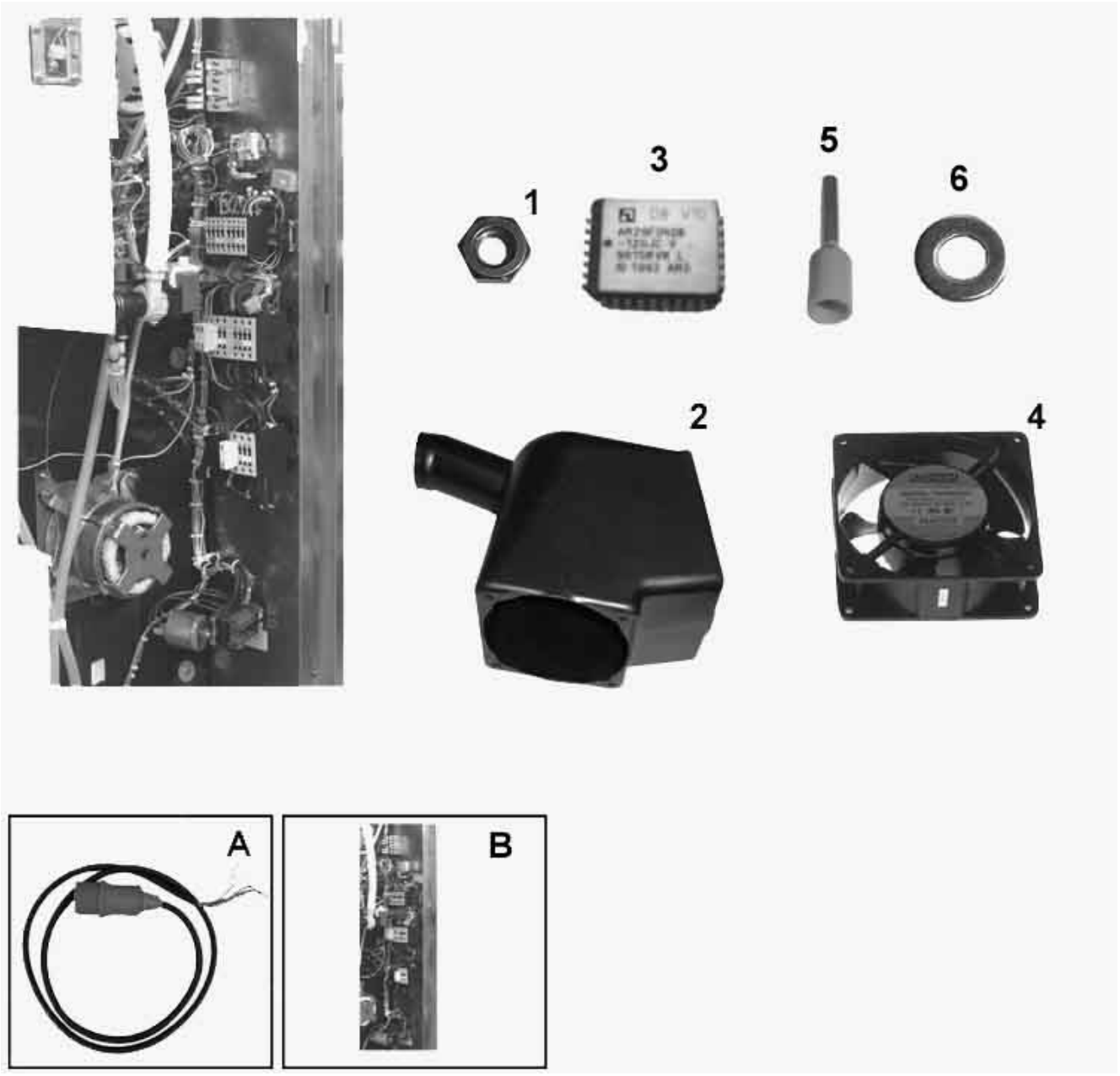
Operator pcb Electrical



Operator pcb Electrical

Pos.	Part no.	Description	Qty.
1	1315.0101	Copper washer 6x10	
2	5110.1029	Gasket mode switch	
3	2760.1100	Stop for Poti-Core temperature	
4	2760.1129	Stop for mode switch	
5	2022.0100	Silicone gasket red, for PG 9 15x4mm	

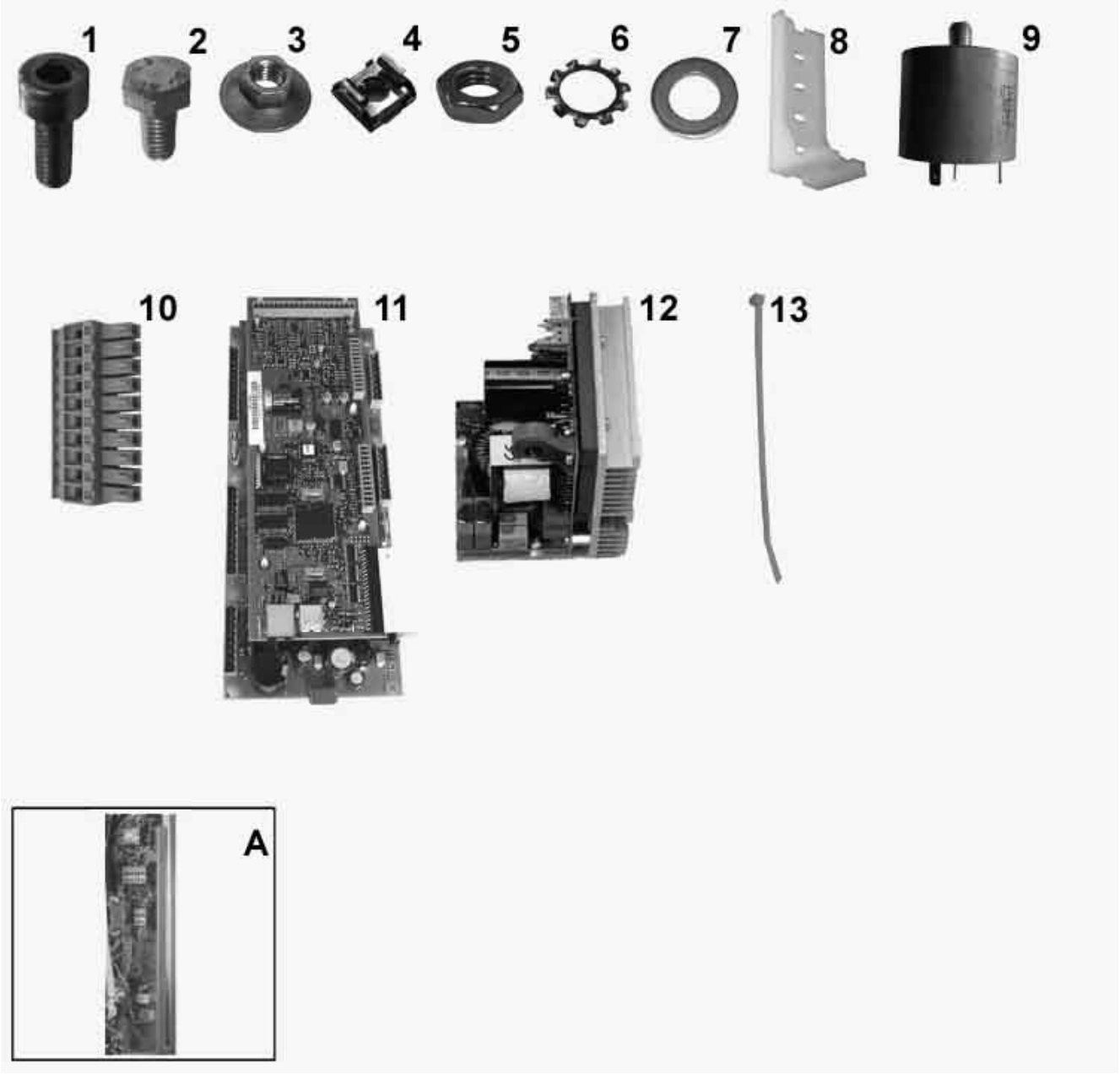
Electrical installation



Electrical installation

Pos.	Part no.	Description	Qty.
1	1105.0120	Hex nut M5	
2	2039.0344	Air box	
3	3040.0281	E-Prom C1_090	
3	3040.0316	E-Prom C5.02	
4	3101.1008	Cooling fan	
5	4004.0114	Wire end sleeve 0,75 mm² blue insulated	
B		Contactor assembly	

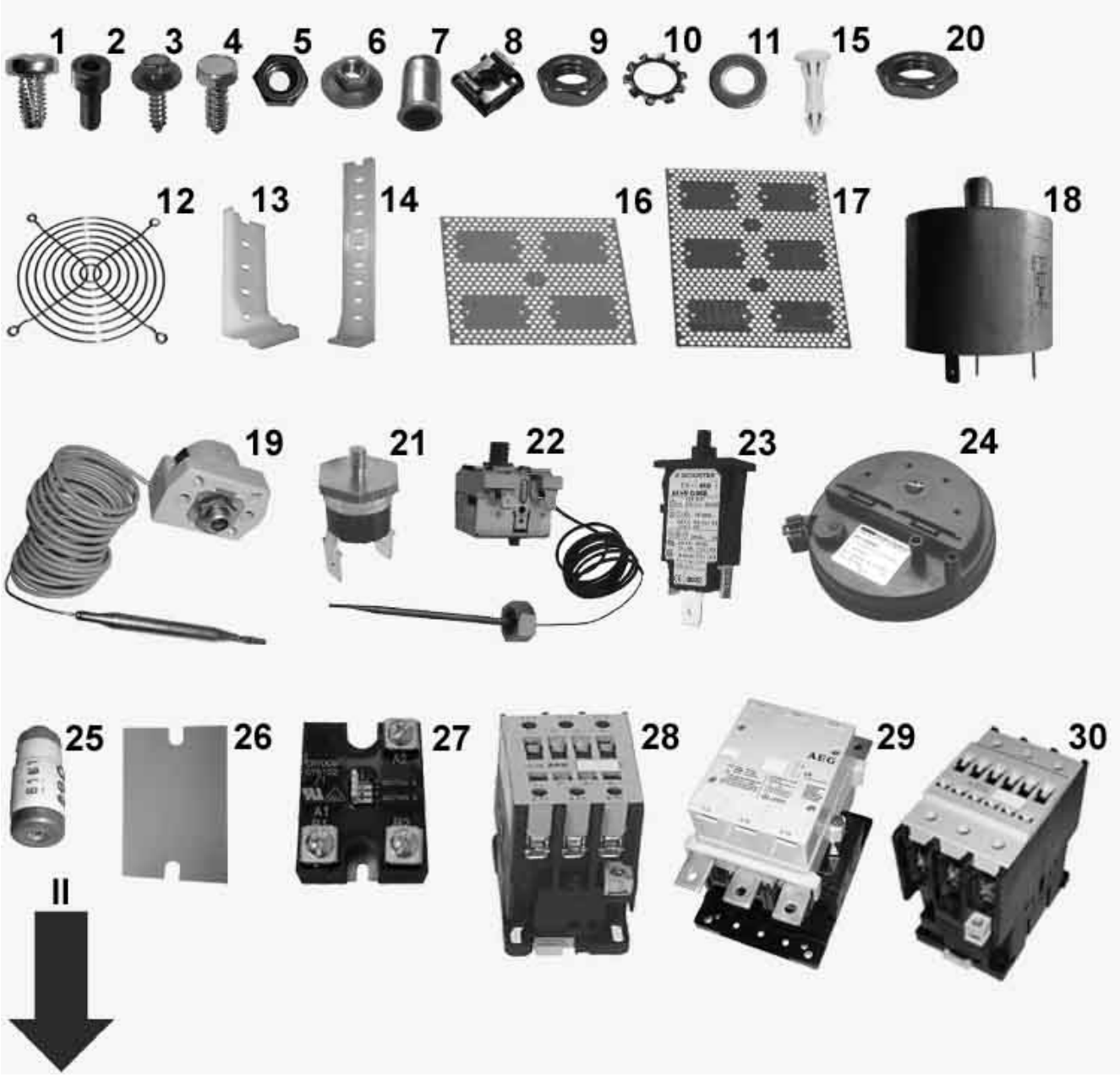
Contactor assembly



Contactor assembly

Pos.	Part no.	Description	Qty.
1	1004.0660	Allen screw M4x10	
2	1006.0761	Hex screw M6x12	
6	1204.0120	Tooth lock washer A4,3	
7	1304.0160	Washer A4,3	
7	1306.0120	Washer A6,4	
7	1306.0221	Washer A6,4	
10	3040.0262	Multipoint connector left 10pin, 3.5	
11	3040.3001	Main pcb	
12	3040.3040	Motor control for fan motor	
13	4005.0101	Tie rap 145 mm	
A		Contactor assembly	

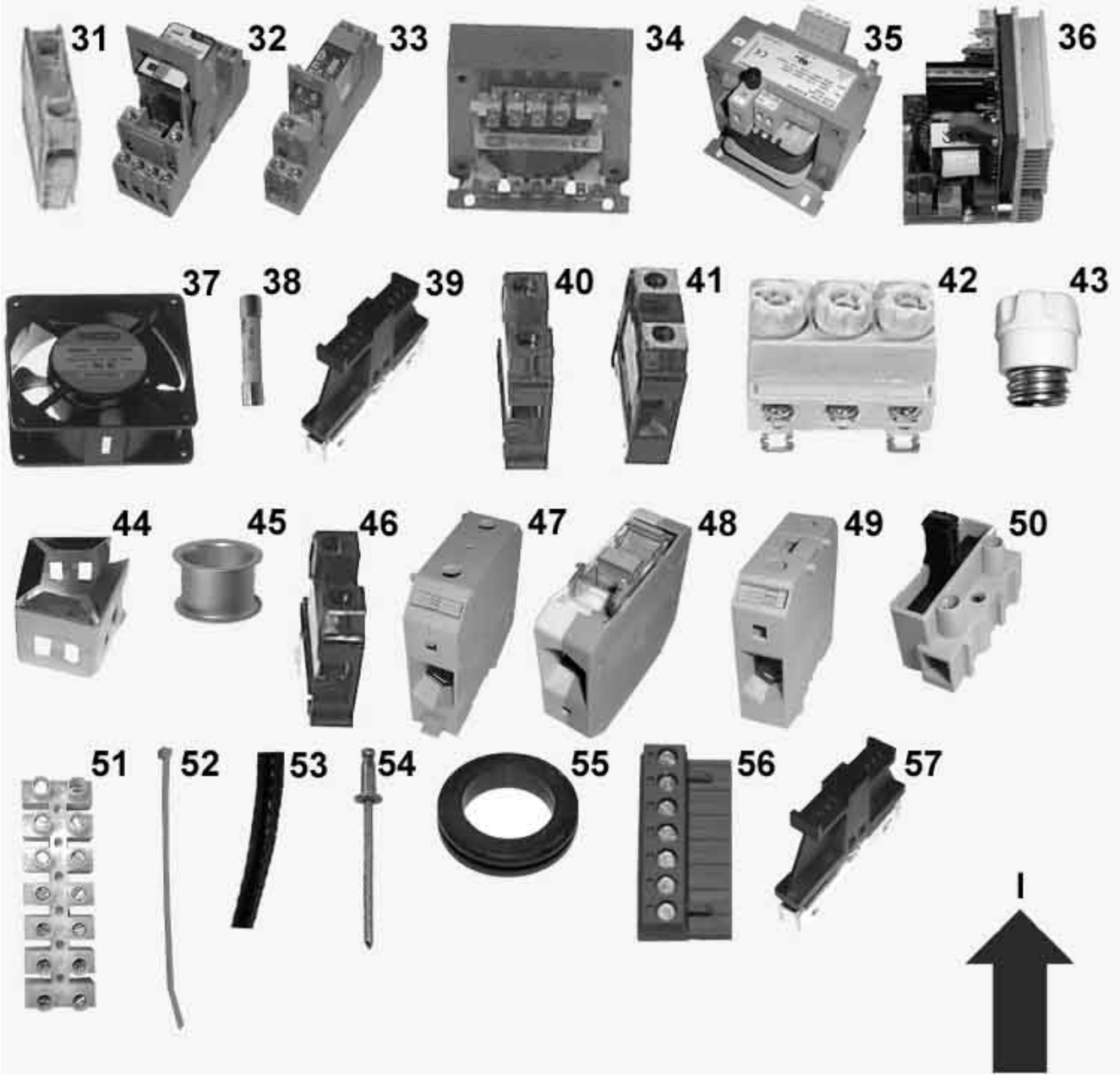
Contactor assembly



Contactor assembly

Pos.	Part no.	Description	Qty.
1	1004.0500	Raised countersunk metal screw M4x8 oval head	
2	1004.0660	Allen screw M4x10	
3	1004.2160	Hex self tapping screw 4,2x16	
5	1104.0120	Hex nut M4	
6	1104.0122	Hex combination nut M4 galv	
7	1104.0400	Rivet nut M4	
10	1204.0120	Tooth lock washer A4,3	
11	1304.0160	Washer A4,3	
15	2039.0370	Spacer 12x1,6	
17	2930.1304	Cooling plate solid state relay	
19	3014.0300	Dry up protector 257°F/135°C	
20	3014.0327	Hex nut M10x1,0	
20	3014.0302	Hex nut M10 for dry-up protector	
21	3014.0325	Bimetall switch 110°,SSR	
22	3014.0326	Safety temperature limiter 365°C,	
26		Heat transfer tape	
27	3028.0533	Solid state relais	
30	3028.0558	Contactor AEG LS22 K00	
31	3028.0560	Auxilliary contact BCLF10 N/O	
34	3037.0240	Control transformer	
37	3101.1008	Cooling fan	
38	4001.0224	Fuse 6.35x32mm	
38	4001.0226	Fuse 6.35x32mm	
49	4001.1285	Terminal block 50mm², grey	
50	4001.1295	Fuse holder e 1003Si/1DS	
53	5013.0100	Edge protection profile	
55	2022.0105	Grommet 40 mm	
57	4001.1203	End plate for mounting rail	

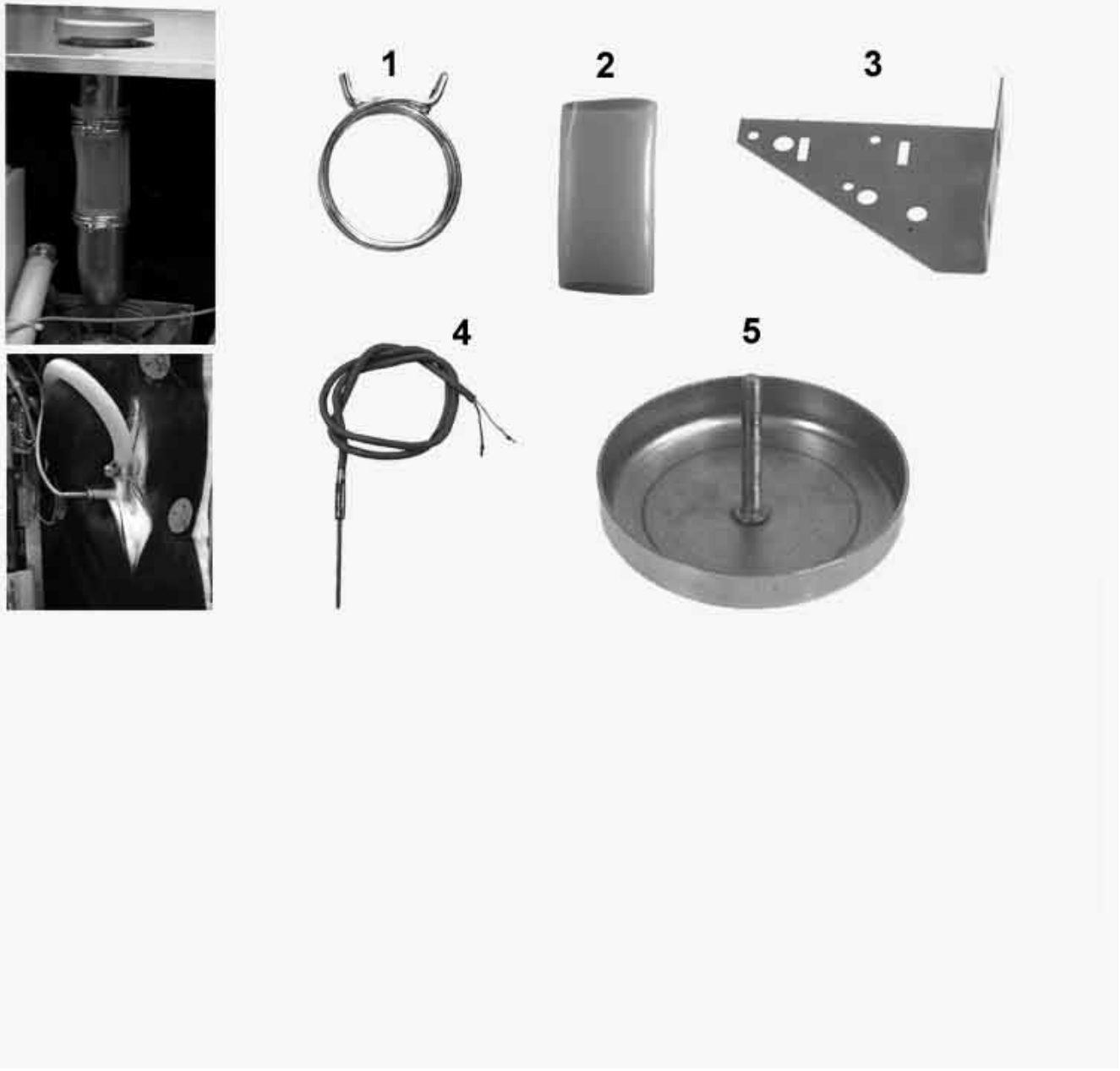
Contactor assembly



Contactor assembly

Pos.	Part no.	Description	Qty.
1	1004.0500	Raised countersunk metal screw M4x8 oval head	
2	1004.0660	Allen screw M4x10	
3	1004.2160	Hex self tapping screw 4,2x16	
5	1104.0120	Hex nut M4	
6	1104.0122	Hex combination nut M4 galv	
7	1104.0400	Rivet nut M4	
10	1204.0120	Tooth lock washer A4,3	
11	1304.0160	Washer A4,3	
15	2039.0370	Spacer 12x1,6	
17	2930.1304	Cooling plate solid state relay	
19	3014.0300	Dry up protector 257°F/135°C	
20	3014.0327	Hex nut M10x1,0	
20	3014.0302	Hex nut M10 for dry-up protector	
21	3014.0325	Bimetall switch 110°,SSR	
22	3014.0326	Safety temperature limiter 365°C,	
26		Heat transfer tape	
27	3028.0533	Solid state relais	
30	3028.0558	Contactor AEG LS22 K00	
31	3028.0560	Auxilliary contact BCLF10 N/O	
34	3037.0240	Control transformer	
37	3101.1008	Cooling fan	
38	4001.0224	Fuse 6.35x32mm	
38	4001.0226	Fuse 6.35x32mm	
49	4001.1285	Terminal block 50mm², grey	
50	4001.1295	Fuse holder e 1003Si/1DS	
53	5013.0100	Edge protection profile	
55	2022.0105	Grommet 40 mm	
57	4001.1203	End plate for mounting rail	

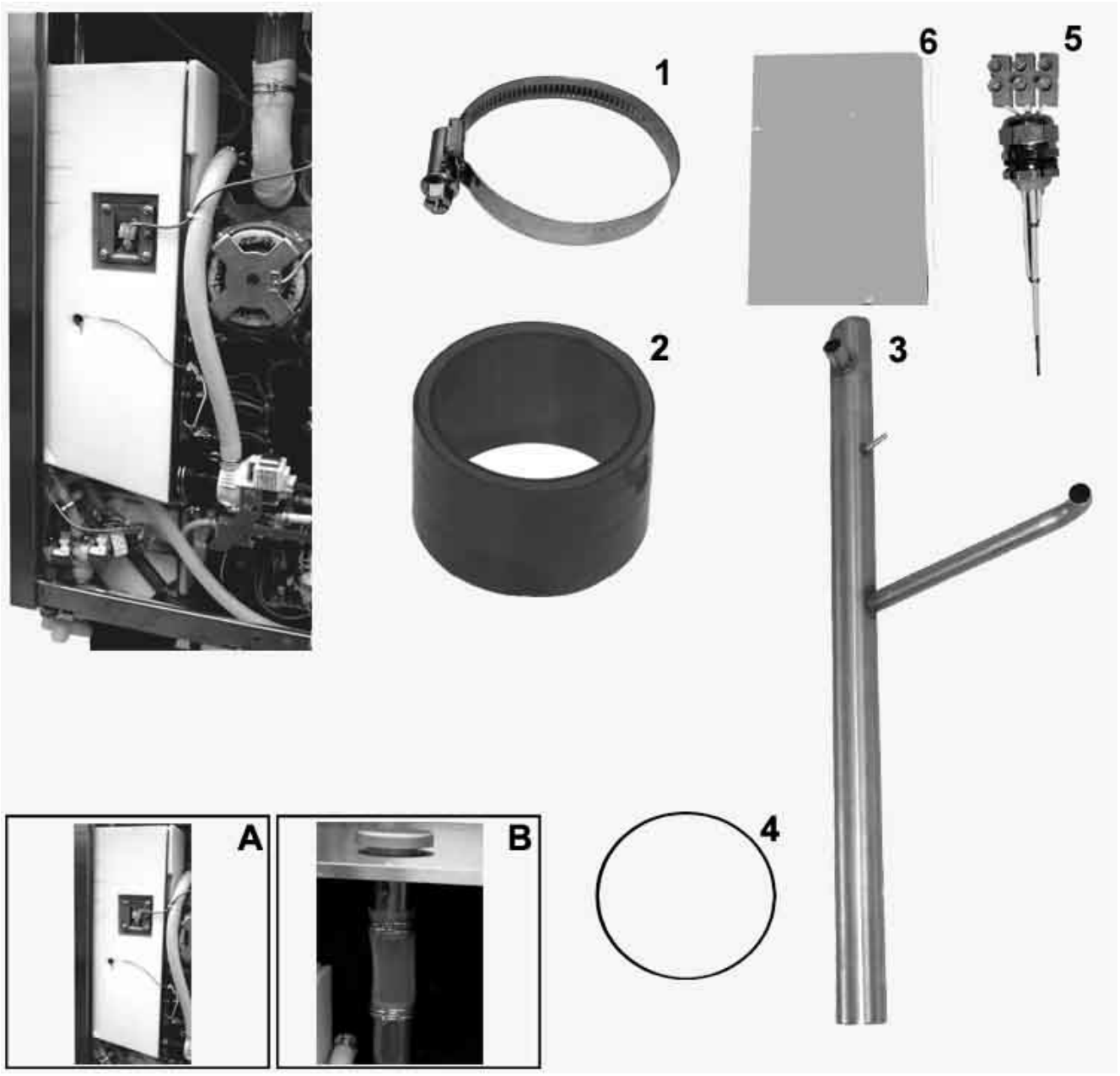
Clima Plus



Clima Plus

Pos.	Part no.	Description	Qty.
1	2066.0531	Hose clamp ø56	
2	2112.1301	Silicone hose safety valve	
4	3014.1016	Thermocouple	
22	8455.1209	Vent cover	

Steam generator, Bypass



Steam generator, Bypass

Pos.	Part no.	Description	Qty.
1	2066.0516	Hose clamp 60-80 mm	
2	2112.1307	Hose 70x5mm	
2	2112.1006	Steam hose Ø50x50mm	
A		Steam generator	
B		Safety valve	

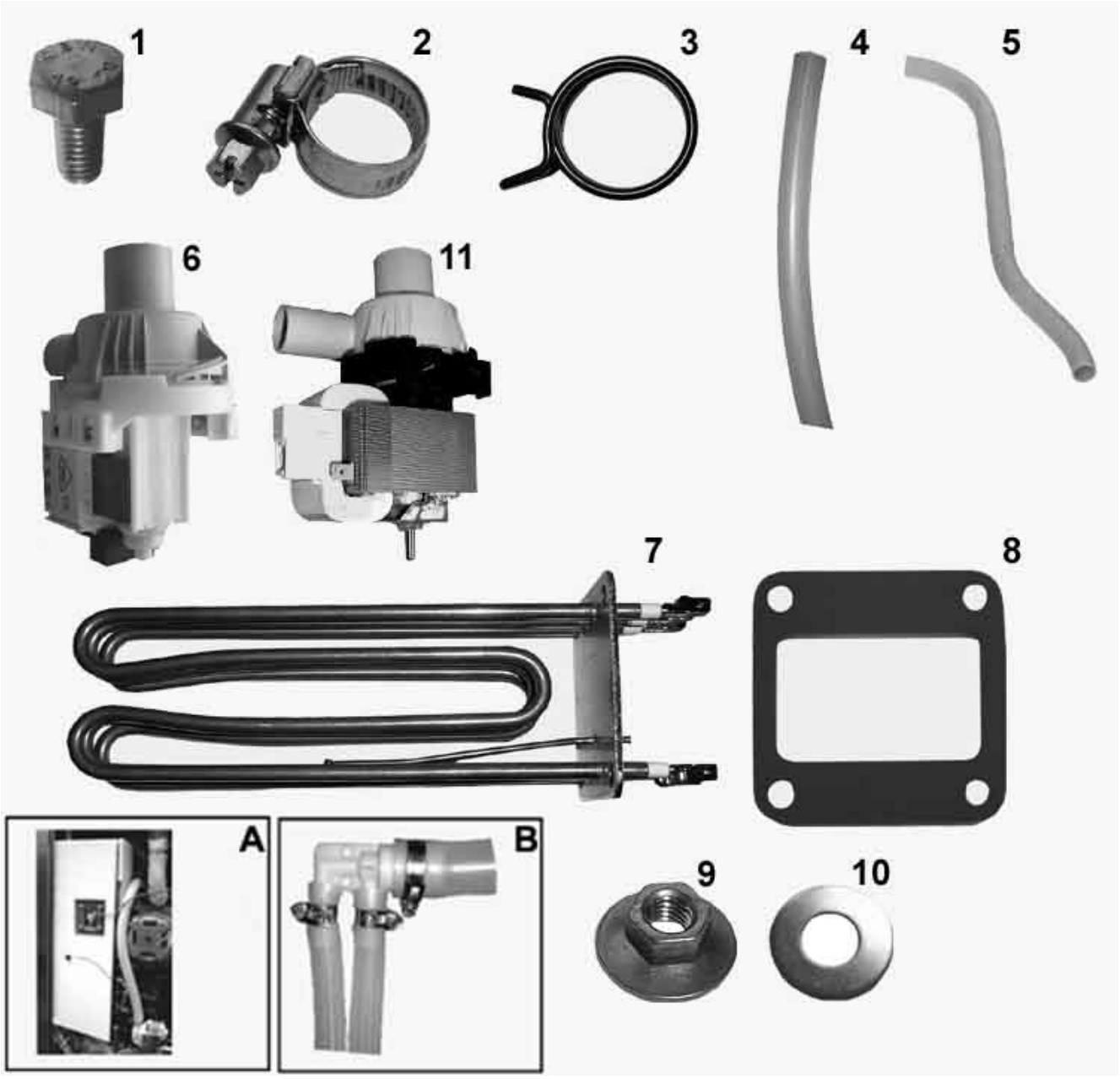
Steam generator



Steam generator

Pos.	Part no.	Description	Qty.
1	2066.0300	Hose clamp 50-70 mm	
1	2066.0504	Hose clamp 40-60mm	
2	2066.0518	Hose clamp 30mm	
3	2112.1006	Steam hose Ø50x50mm	
5	2740.1040	Fixing plate steam generator thermostat	
8	8801.0975	Neutral link 2,5mm² blue	
9	1106.0803	Hex combination nut M6 galv	
A		Steam generator	

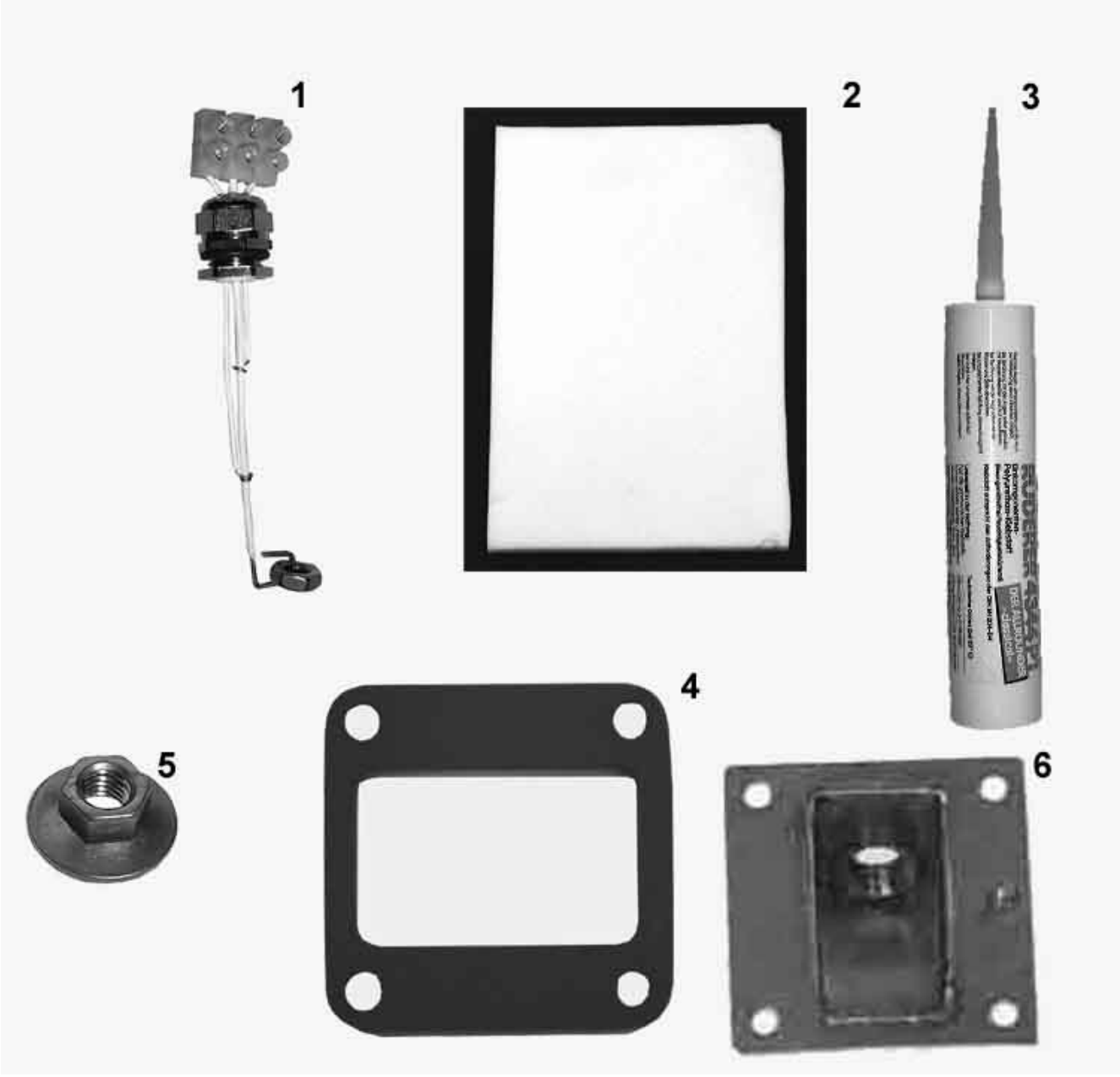
Steam generator



Steam generator

Pos.	Part no.	Description	Qty.
1	1006.0761	Hex screw M6x12	
2	2066.0205	Hose clamp 8-16x9 mm SW 7mm	
3	2066.0519	Hose clamp Ø35,6mm	
3	2066.0526	Hose clamp ø46mm	
3	2066.0518	Hose clamp 30mm	
4	2067.0050	Pressure hose d10mm	
5	2112.1304	Emptying hose steam generator	
6	3002.1005	Emptying pump	
7	3201.1005	Heating element	
8	5110.1003	Gasket for heating element	
9	1106.0803	Hex combination nut M6 galv	
10	1306.0222	Washer A6,4x15x1,5	
11	3002.1000	Emptying pump	
A	8350.5100	Steam generator insolated	
B		Pump connection	
B	8354.1304--	Venting valve for steam generation	

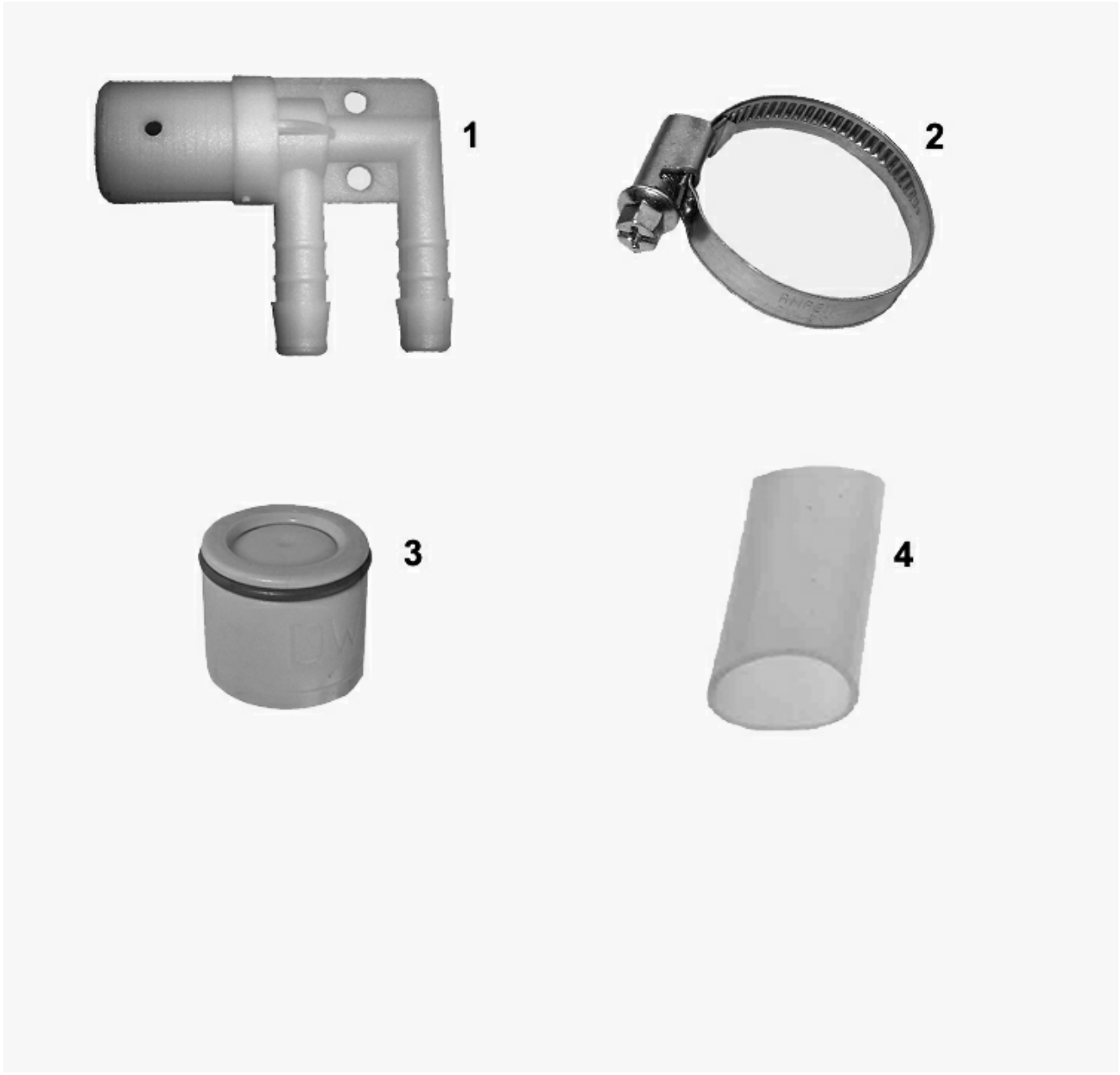
Steam generator insolated



Steam generator insolated

Pos.	Part no.	Description	Qty.
1	3002.0402	Filling level electrode 90 mm	
2	5003.0300	Insulation, melamin resin foam	
3	5006.0500	Polyurethan-Glue for insulation 310ml	
4	5110.1003	Gasket for heating element	
5	1106.0803	Hex combination nut M6 galv	
6	2920.1300	Level elektrode insert	

Venting valve for steam generation



Venting valve for steam generation

Pos.	Part no.	Description	Qty.
1	2062.0332	Receptacle for ventilation valve SG	
2	2066.0506	Hose clamp 20-32mm	
3	2069.0108	Ventilation valve	
4	2112.1310	Form hose for ventilation of steam generator	

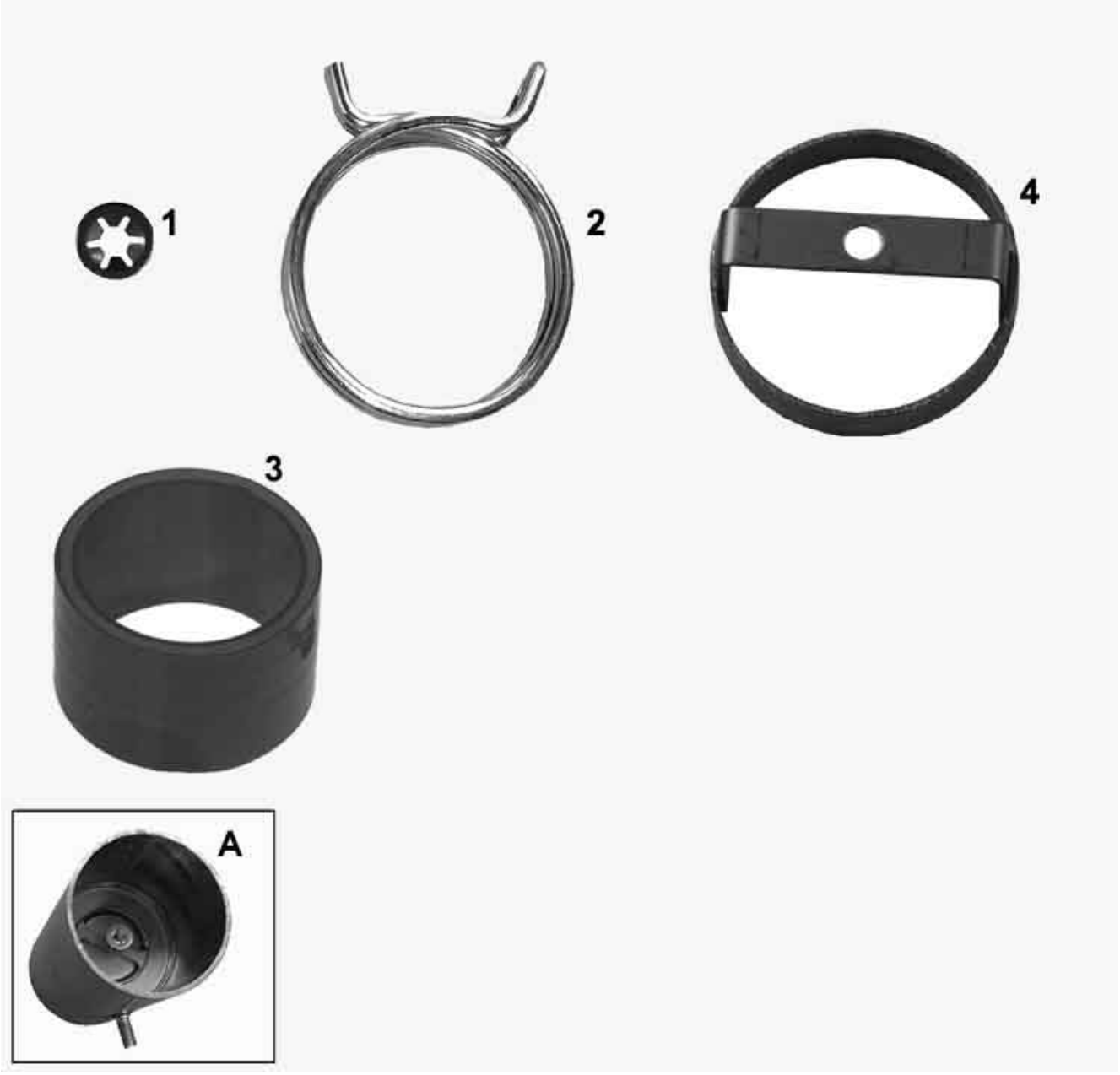
Pump connection



Pump connection

Pos.	Part no.	Description	Qty.
1	2062.0331	Junction pressure hose GS 10	
2	2066.0527	Hose clamp ø14mm	
3	2066.0530	Hose clamp ø16.4mm	
4		Silicon hose	
5	2118.1000	Pump connection spout	
6	2120.1259	Stop plug 10mm	
7	4005.0101	Tie rap 145 mm	

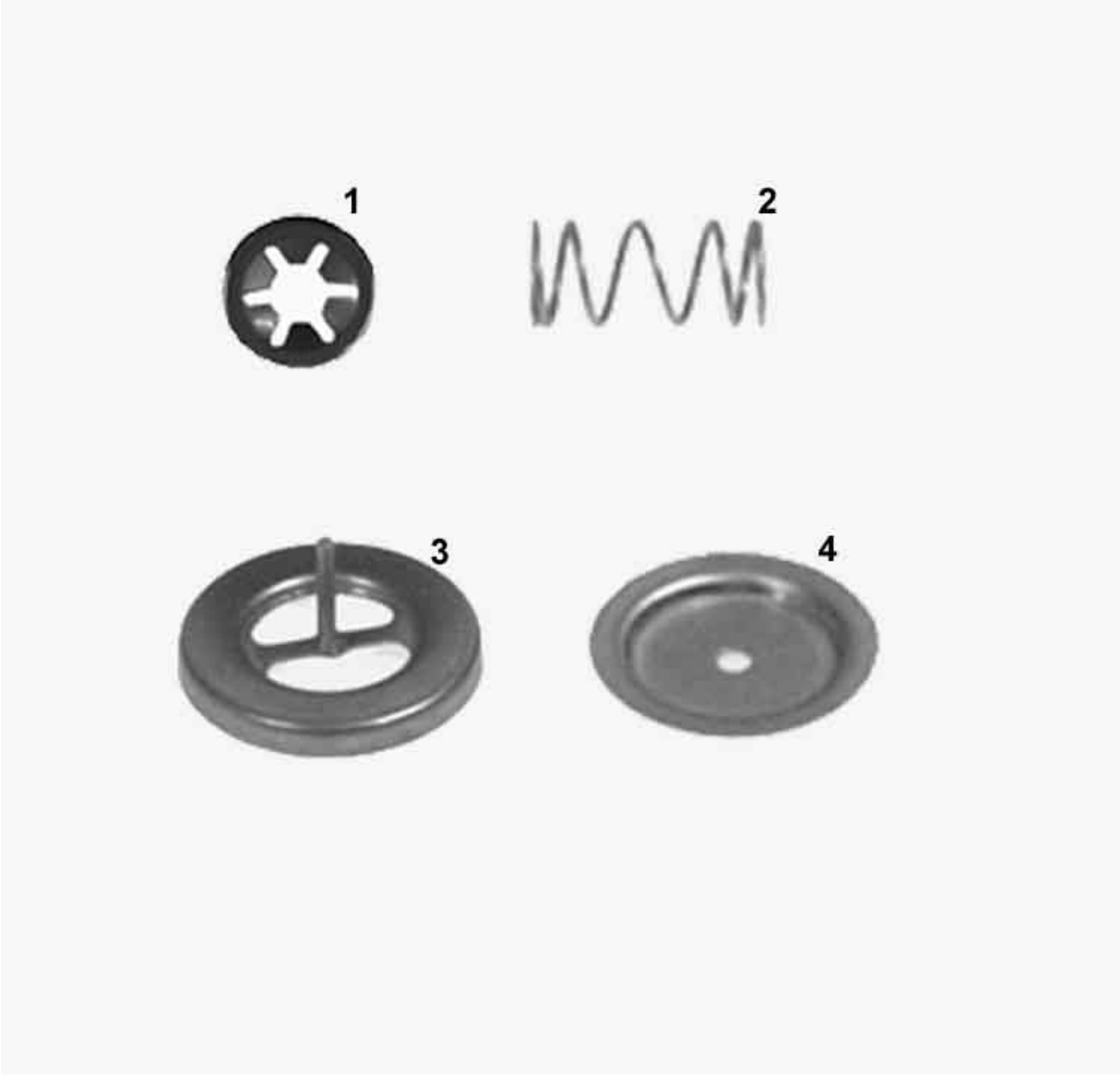
Safety valve



Safety valve

Pos.	Part no.	Description	Qty.
1	1107.0103	Star lock ø3	
2	2066.0531	Hose clamp ø56	
4	8450.1310	Spacer ring	
A	8450.1304	Safety valve	

Safety valve



Safety valve

Pos.	Part no.	Description	Qty.
1	1107.0103	Star lock ø3	
2	2001.0117	Compression spring for safety valve	
3		Base for safety valve	
4	2064.1304	Cover for safety valve	

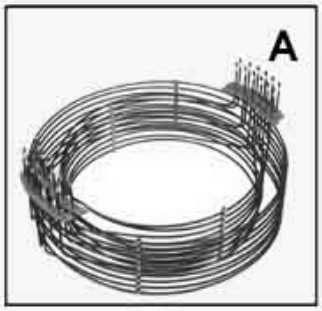
Hot air heating







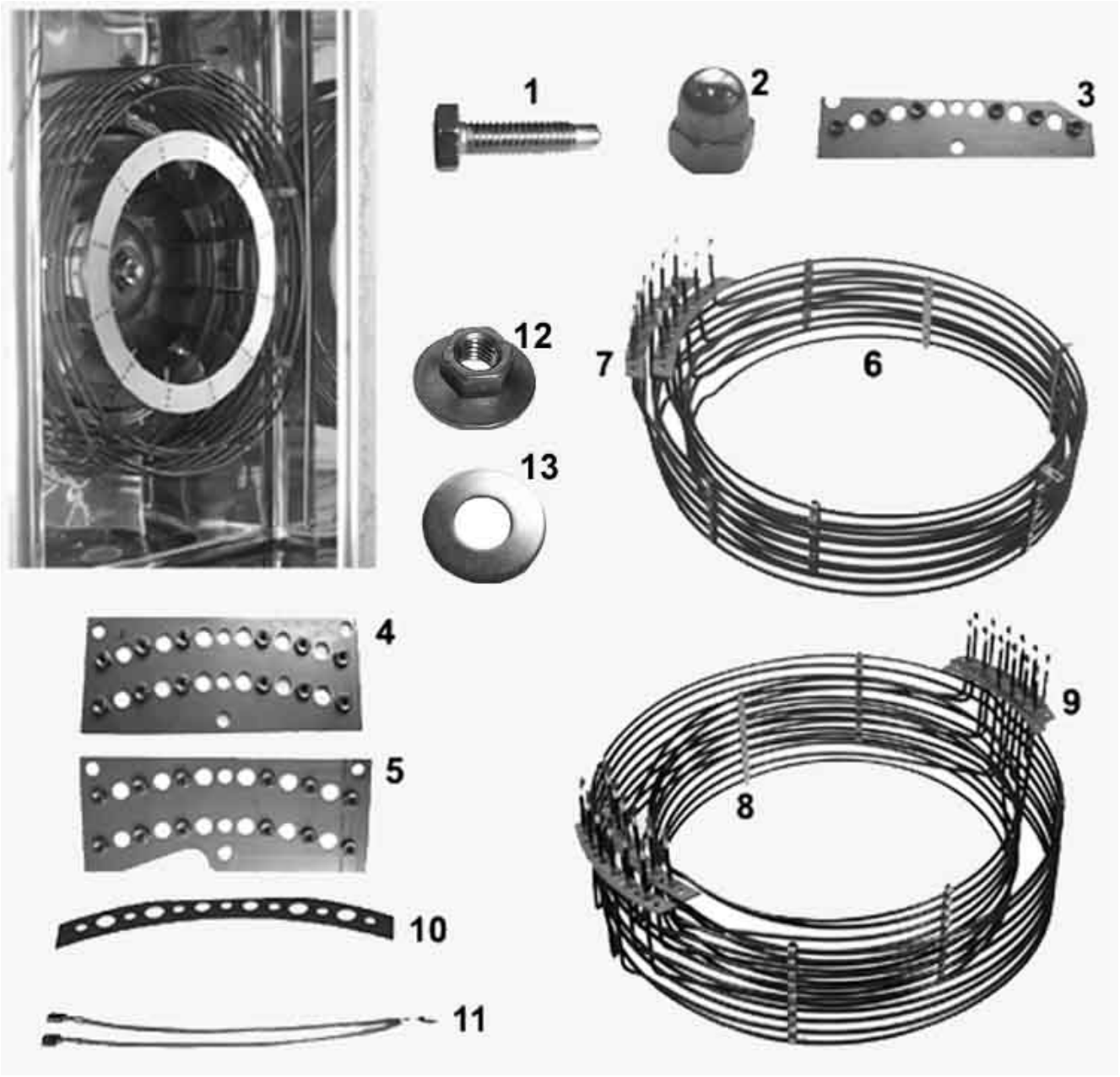




Hot air heating

Pos.	Part no.	Description	Qty.
2	2150.1251	External double flange hot air heater	
A		Heating assy	

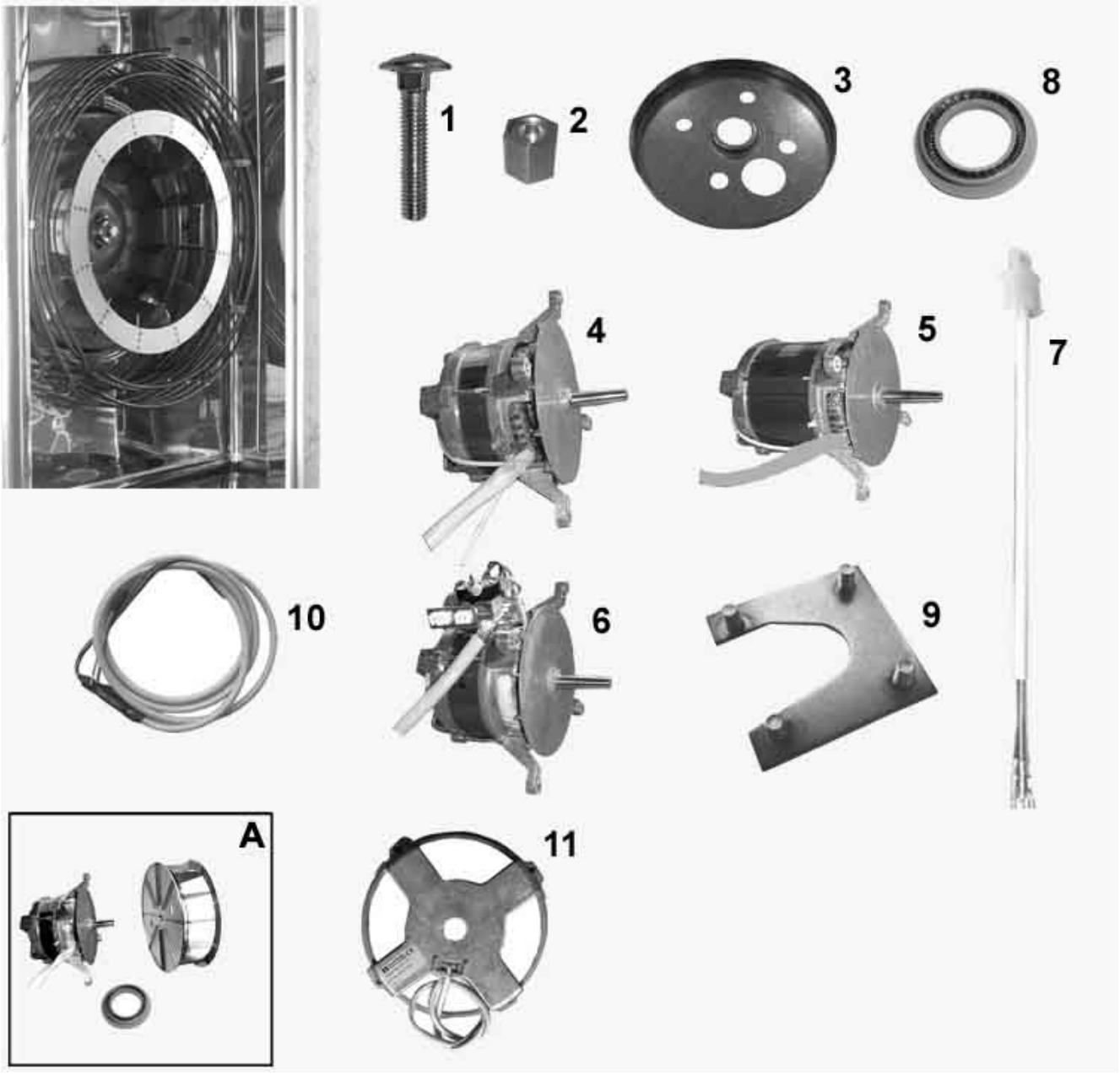
Heating assy



Heating assy

Pos.	Part no.	Description	Qty.
1	1006.0766	Hex screw M6x25	
2	1106.0360	Cap nut M6, high shape	
4	2150.1251	External double flange hot air heater	
6	3200.1004	Inner heating assembly	
7	3200.1008	Outer heating assembly	
10	5110.1009	Seal for heating assembly	
11	8801.0975	Neutral link 2,5mm² blue	
12	1106.0803	Hex combination nut M6 galv	
13	1306.0222	Washer A6,4x15x1,5	

Motor and fan wheel



Motor and fan wheel

Pos.	Part no.	Description	Qty.
2	2120.1306	Spacer SW19x17	
3	2920.1301	Inner sealing flange	
6	3100.1083	Fan motor 4pol	
8	5001.0207	Motor shaft gasket	
9	8514.1339	Motor shaft gasket mounting support	
11	8720.1384	Hallsensor cpl	
A		Fan motor assy	
A		Fan motor assy	

Fan motor assy



Fan motor assy

Pos.	Part no.	Description	Qty.
1	1010.0762	Hex screw M10x20	
2	1108.0260	Hex nut M8	
3	1208.0260	Spring washer B8	
4	1328.0102	Safety washer A10,2	
5	2012.0512	Fan wheel	

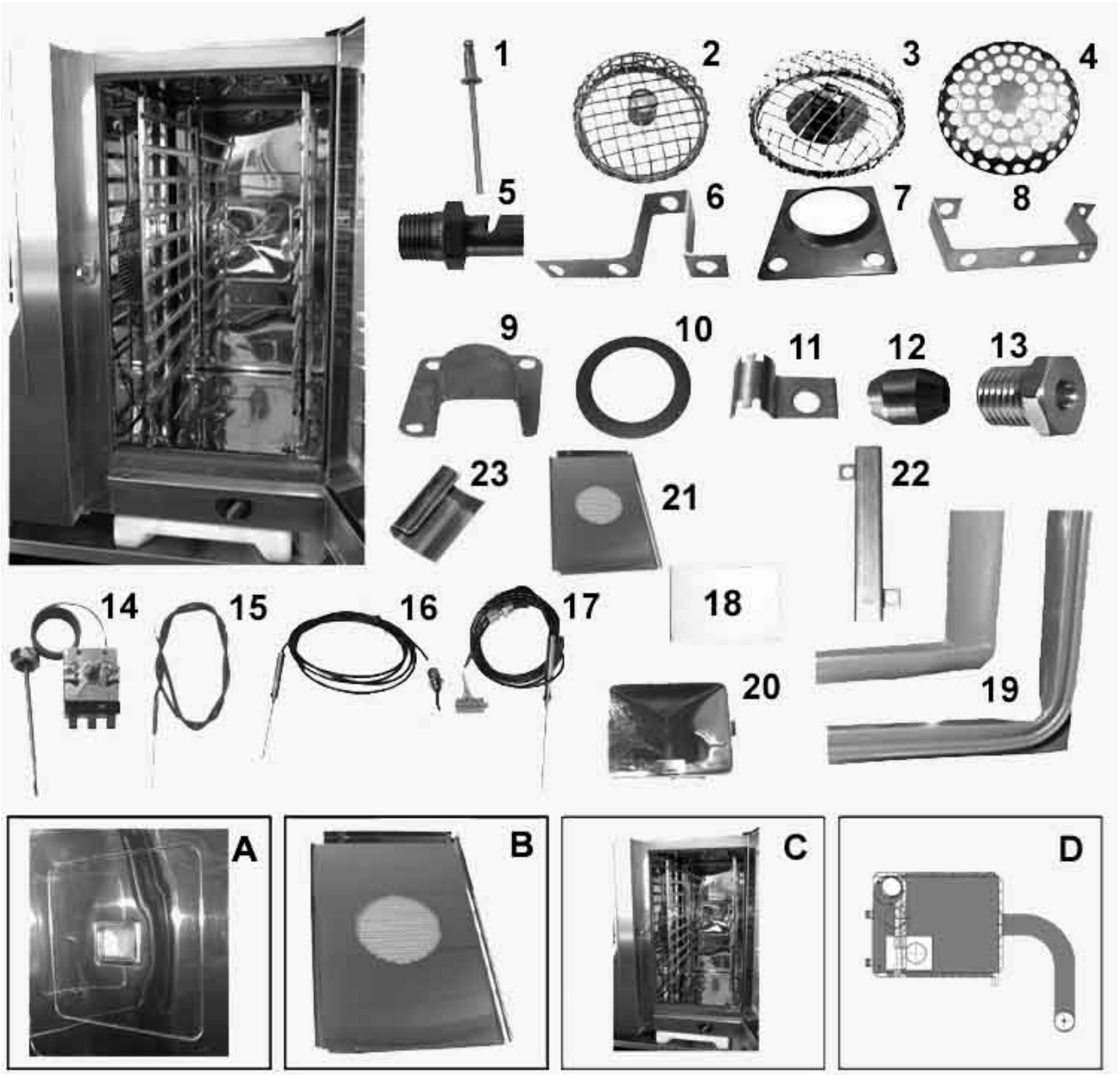
Fan motor assy



Fan motor assy

Pos.	Part no.	Description	Qty.
3	1010.0762	Hex screw M10x20	
4	1106.0220	Hex nut M6 flat	
5	1108.0260	Hex nut M8	
6	1208.0260	Spring washer B8	
7	1306.0120	Washer A6,4	
8	1315.0101	Copper washer 6x10	
9	1315.0109	Copper washer 8.5x16x1,2	
10	1328.0102	Safety washer A10,2	
14	2012.0512	Fan wheel	
17	2120.1306	Spacer SW19x17	
18	2920.1301	Inner sealing flange	
21	5001.0207	Motor shaft gasket	
23	8514.1339	Motor shaft gasket mounting support	

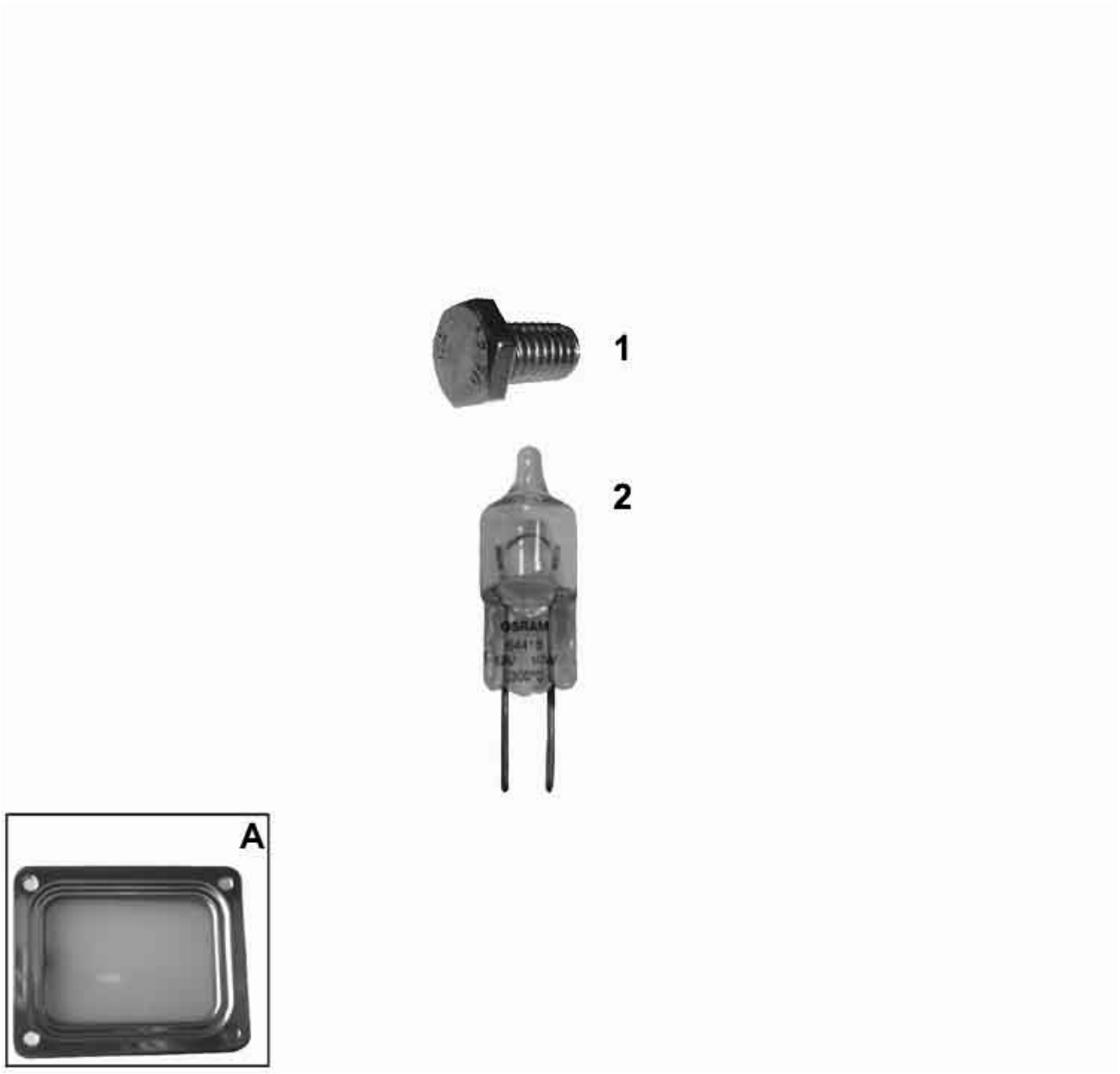
Interior cabinet



Interior cabinet

Pos.	Part no.	Description	Qty.
3	2005.0305	Outlet sieve w. disc	
5	2035.0111	Moistening nozzle	
6	2720.1073	Mounting device for int.cabinet sensor	
8	2720.1364	Mounting device f. int. cabinet sensors	
9	2720.1417	Cover for steam inlet pipe	
11	2760.1089	Guide bush for core temperatur sensor	
12	3014.0162	Sealing cone for thermocouple	
13	3014.0163	Gasket sleeve with nipple	
15	3014.1000	Thermocouple for interior cabinet	
15	3014.1004	Thermocouple	
16	3035.0713	Meat probe sensor	
19	5105.1023	Door gasket	
20	8514.1018	Reflector for interior light	
A		Interior light	
B		Air baffle	

Interior light



Interior light

Pos.	Part no.	Description	Qty.
1	1008.0753	Hex screw M5x8	
2	3024.0201	Halogen bulb 300°C	
A	8514.1034	Gasket frame with glass and gaskets	

Gasket frame with glass and gaskets



Gasket frame with glass and gaskets

Pos.	Part no.	Description	Qty.
1	5110.1022	External gasket frame for interior light	
2	5110.1023	Internal gasket frame for interior light	
3	5201.1000	Glass for interior lamp	
4	8514.1017	Gasket frame for interior light	

Air baffle



Air baffle

Pos.	Part no.	Description	Qty.
1	1106.0360	Cap nut M6, high shape	
2	1306.0221	Washer A6,4	
3	1603.0166	Rivet 3,2x7,9 CNS closed	
3	1603.0168	Rivet 3,2x8 A4	
6	8516.1305	Air flow ring for air baffle	
8	2720.1367	Air baffle support	
A	8516.1332	Air baffle	

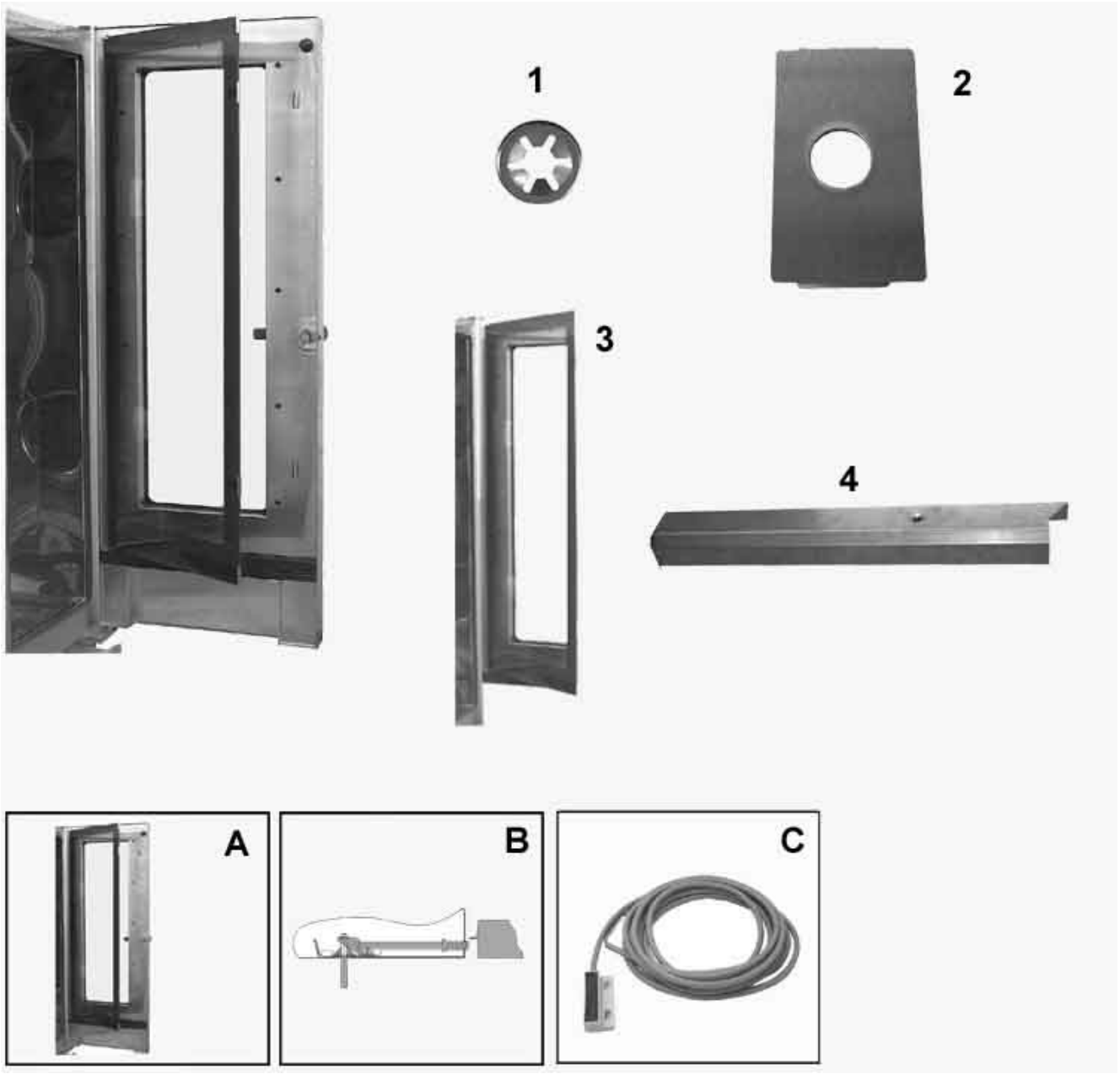
Air baffle



Air baffle

Pos.	Part no.	Description	Qty.
1	1304.0160	Washer A4,3	
2	1604.0165	Rivet 4x9,9	
2	1604.0167	Rivet 4x10	
3	2760.1370	Latch hook for air baffle	

Door



Door

Pos.	Part no.	Description	Qty.
2	8455.1300	Door bolt cover	
3	8474.1318	Inner glass pane	
A		Door	
C	8455.1354	Door switch	

Door



Door

Pos.	Part no.	Description	Qty.
1	1008.0766	Hex screw M8x30	
1	1008.0761	Hex screw M8x25	
2	1008.0768	Ornamental screw M8x16	
3	1008.1963	Hex socket countersunk head screw M8x16	
4	1208.0260	Spring washer B8	
5	1308.0162	Washer A8,4	
5	1308.0160	Washer A8,4	
6	2001.0040	Loctite 243 50ml	
7	2001.0109	Compression spring	
8	2016.1507	Door handle Rational	
9	2039.0309	Cover cap for door	
10	2120.1254	Door bolt top	
11	2930.1307	Door mounting support top	
12	2940.1303	Door setting console 110°	
13	2940.1305	Door bolt	
A	8470.5100	Door cpl.	
B	8514.1307--	Door catch	

Door cpl.


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Novasil S26
Essen

Door cpl.

Pos.	Part no.	Description	Qty.
1	1005.1901	Straight pin ø5,6x16	
2	1005.1966	Countersunk screw Torx M5x16	
3	1008.0752	Hex screw M5x10	
3	1006.0761	Hex screw M6x12	
4	1105.0122	Hex combination nut M5 V2A	
5	1206.0261	Spring washer B6	
6	1305.0160	Washer A5,3x10mm	
7	2001.0042	Loctite 243 10 ml	
7	2001.0040	Loctite 243 50ml	
8	2039.0341	Spacer for door	
9	2110.1014	Silicon hose ø3mm	
10	2760.1396	Spring supp. f. int. glass holding bra.	
11	2940.1300	Sleeve for door bolt top	
12	2940.1302	Door setting bolt	
13	3016.1409	Magnet round for door contact d10x40	
14	5006.0200	Silicon tube E41 90ml	
15	5006.0212	Silicone tube E127, 310 ml silver	
16	5105.1025	Gasket for transport trolley	
17	8474.1410	Door lock	
18	1603.0166	Rivet 3,2x7,9 CNS closed	
19	2002.0106	Tension spring for inner window	
20	2039.0402	Spacer for interior door	
21	2760.1395	Fixing bracket for interior glass pane	
22	2940.1306	Cover for door lock	
A	8474.1305	Door lock	

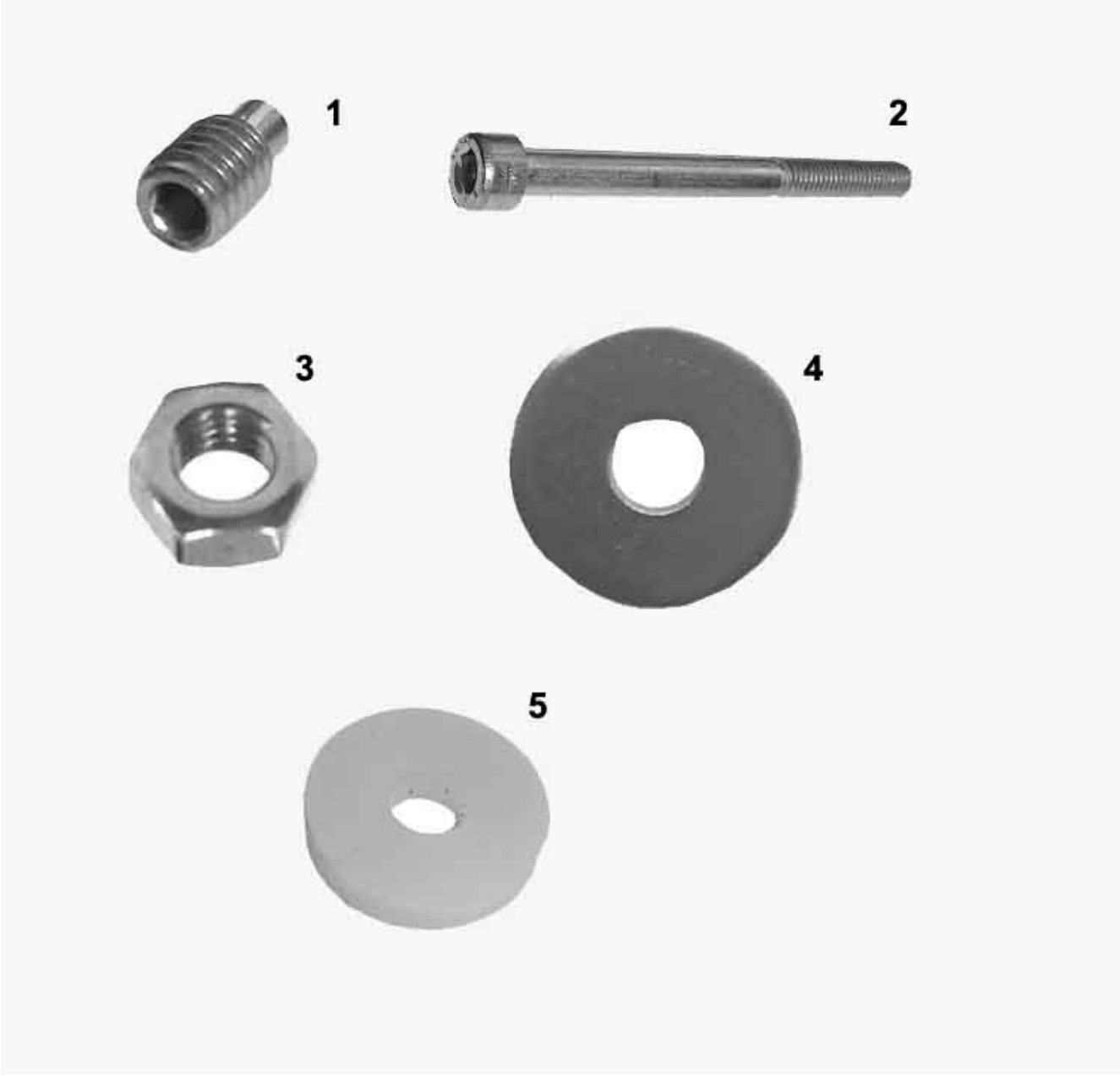
Door lock



Door lock

Pos.	Part no.	Description	Qty.
1	1005.1901	Straight pin ø5,6x16	
2	1006.7601	Allen screw M6x16	
3	2001.0042	Loctite 243 10 ml	

Door catch



Door catch

Pos.	Part no.	Description	Qty.
1	1004.0904	Hex socket set screw M6x10	
2	1006.0625	Allen screw M6x70	
3	1106.0160	Hex nut M6	
4	1306.0550	Washer A6,6	
5	5012.0711	Silicone plate for door	

Door switch



Door switch

Pos.	Part no.	Description	Qty.
1	1003.2160	Hex self tapping screw 2,9x9,5	
2	1103.0600	PVC plug in nut for metal screw 2.9mm	
3	1304.0150	Washer A3,2	
4	3016.1415	Door switch	

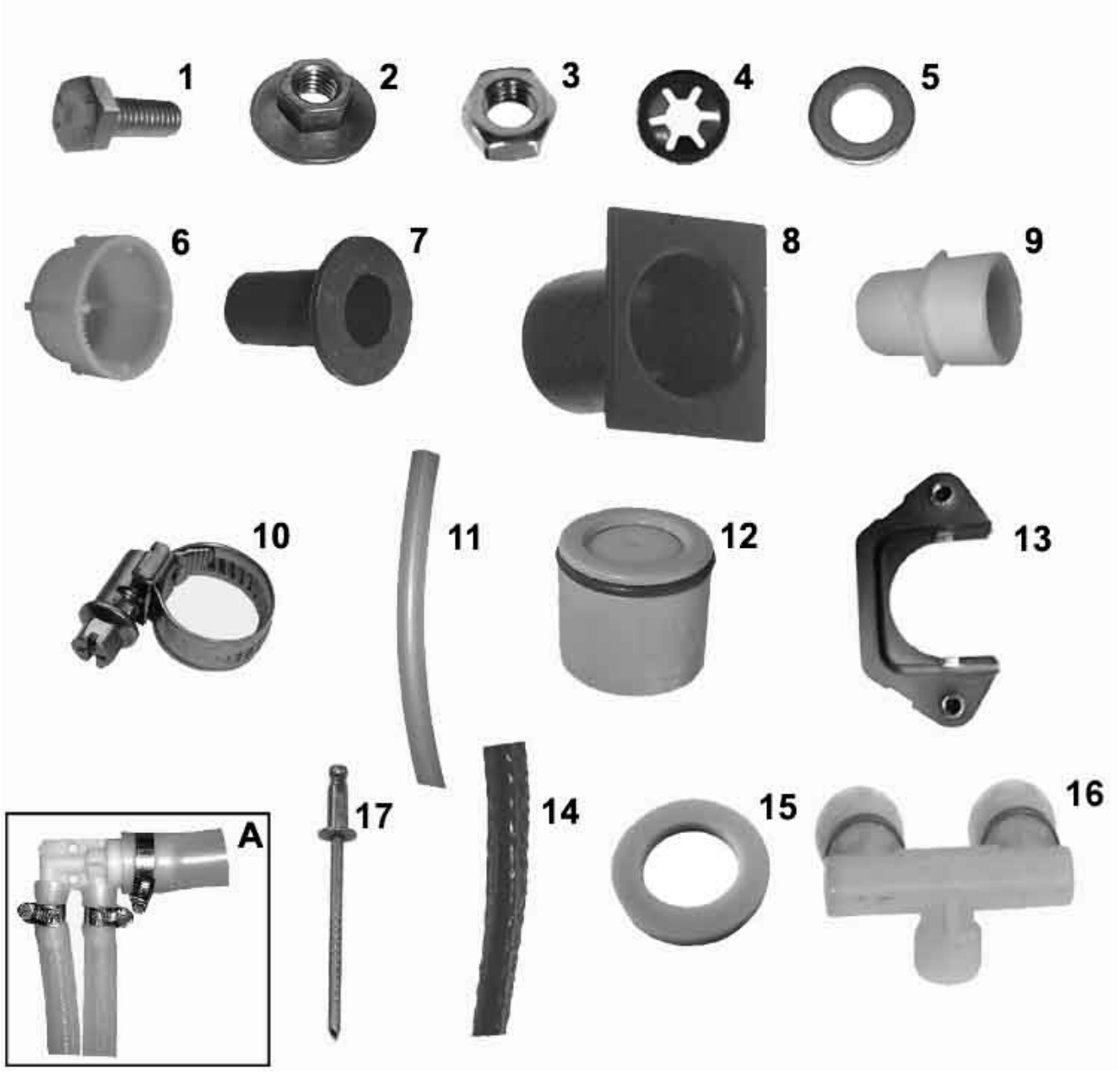
Water supply, quenching box



Water supply, quenching box

Pos.	Part no.	Description	Qty.
2	2066.0205	Hose clamp 8-16x9 mm SW 7mm	
3	2066.0504	Hose clamp 40-60mm	
4	2067.0050	Pressure hose d10mm	
7	3002.0334	Double solenoid valve	
8	3002.0333	Single solenoid valve	
B		Water connection	
C		Quenching box	
C		Quenching box	

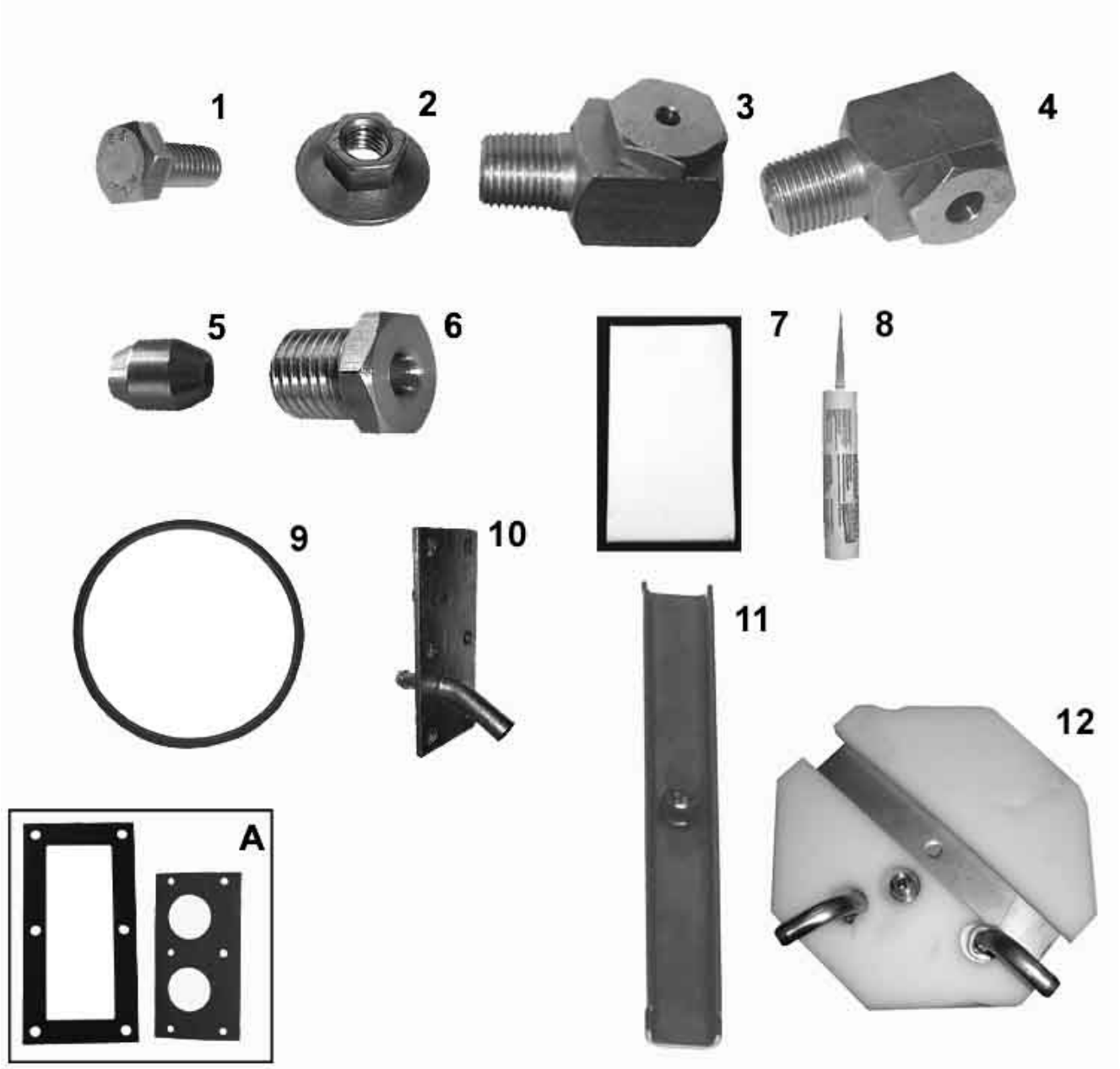
Water connection



Water connection

Pos.	Part no.	Description	Qty.
1	1004.0666	Hex screw M4x10	
2	1105.0122	Hex combination nut M5 V2A	
3	1106.0160	Hex nut M6	
4	1107.0103	Star lock ø3	
5	1306.0120	Washer A6,4	
6	1900.0202	Water filter	
8	2060.1211	Tulip for handshower	
9	2062.0333	Housing for non returne valve	
10	2066.0205	Hose clamp 8-16x9 mm SW 7mm	
11	2067.0050	Pressure hose d10mm	
12	2069.0108	Ventilation valve	
13	3002.0339	Fixing bracket for solenoid valve	
15	5110.1024	Gasket for G3/4" threaded joint	
16	8664.1301	T-fitting water connection	

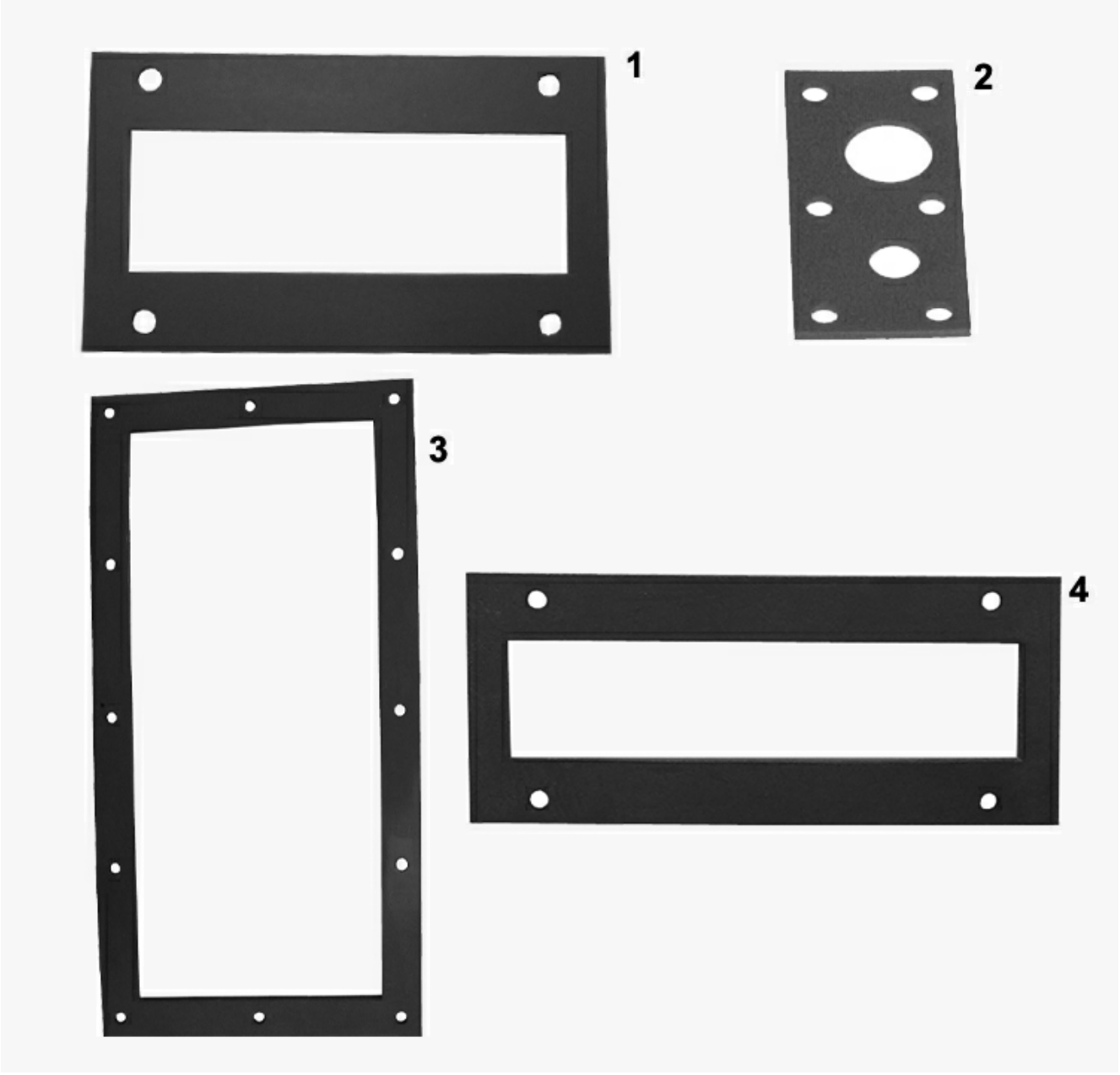
Quenching box



Quenching box

Pos.	Part no.	Description	Qty.
2	1105.0121	Hex combination nut M5 galv	
2	1105.0122	Hex combination nut M5 V2A	
4	2016.0943	Quenching nozzle	
10	8666.1201	Flange quenching nozzle	
A	5110.1305	Set gasket for quenching box	

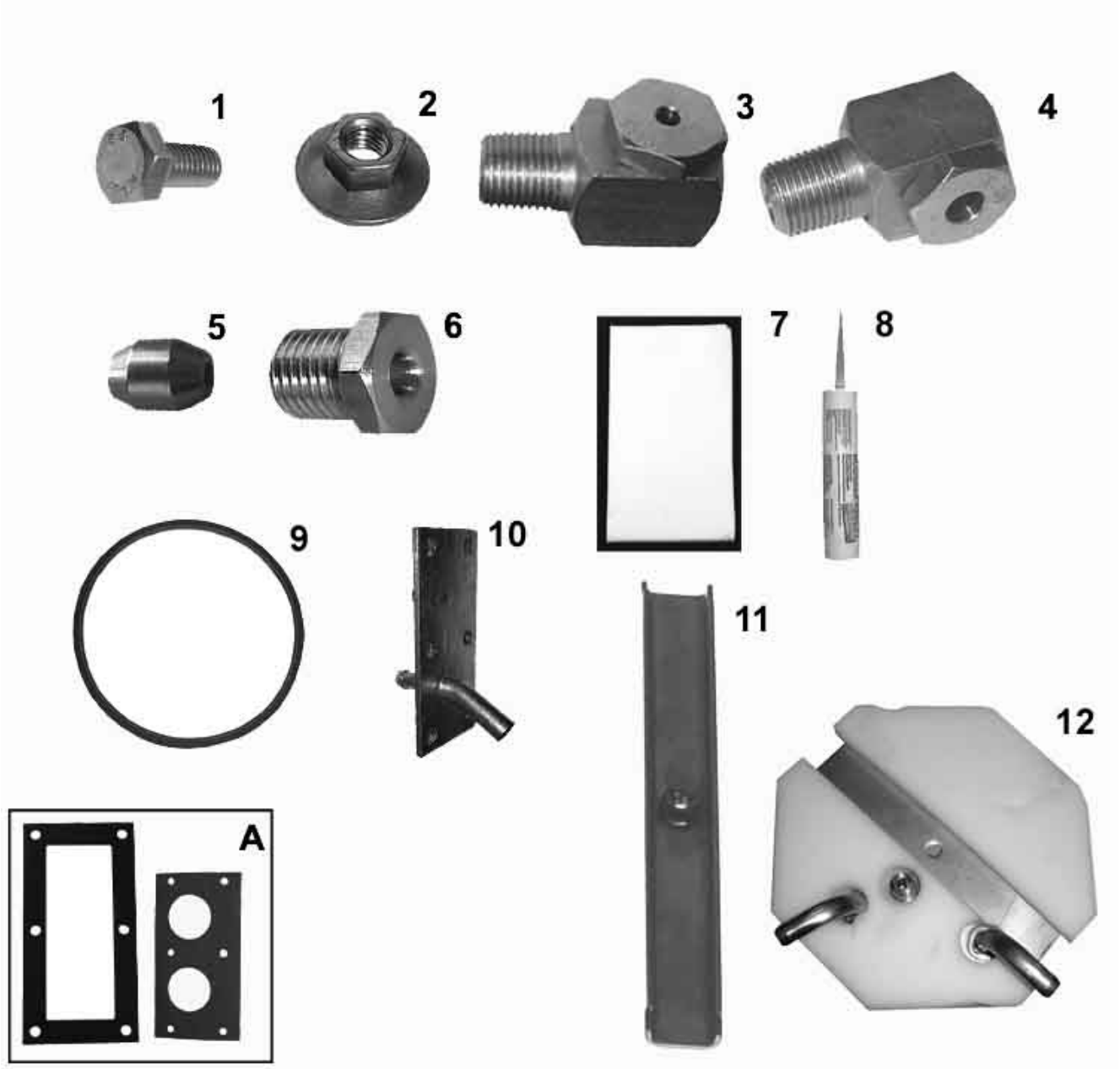
Set gasket for quenching box



Set gasket for quenching box

Pos.	Part no.	Description	Qty.
1	5110.1301	Gasket interior cabinet drain/quenching	
2	5110.1302	Gasket quenching flange	
3	5110.1303	Gasket for inspection cover	

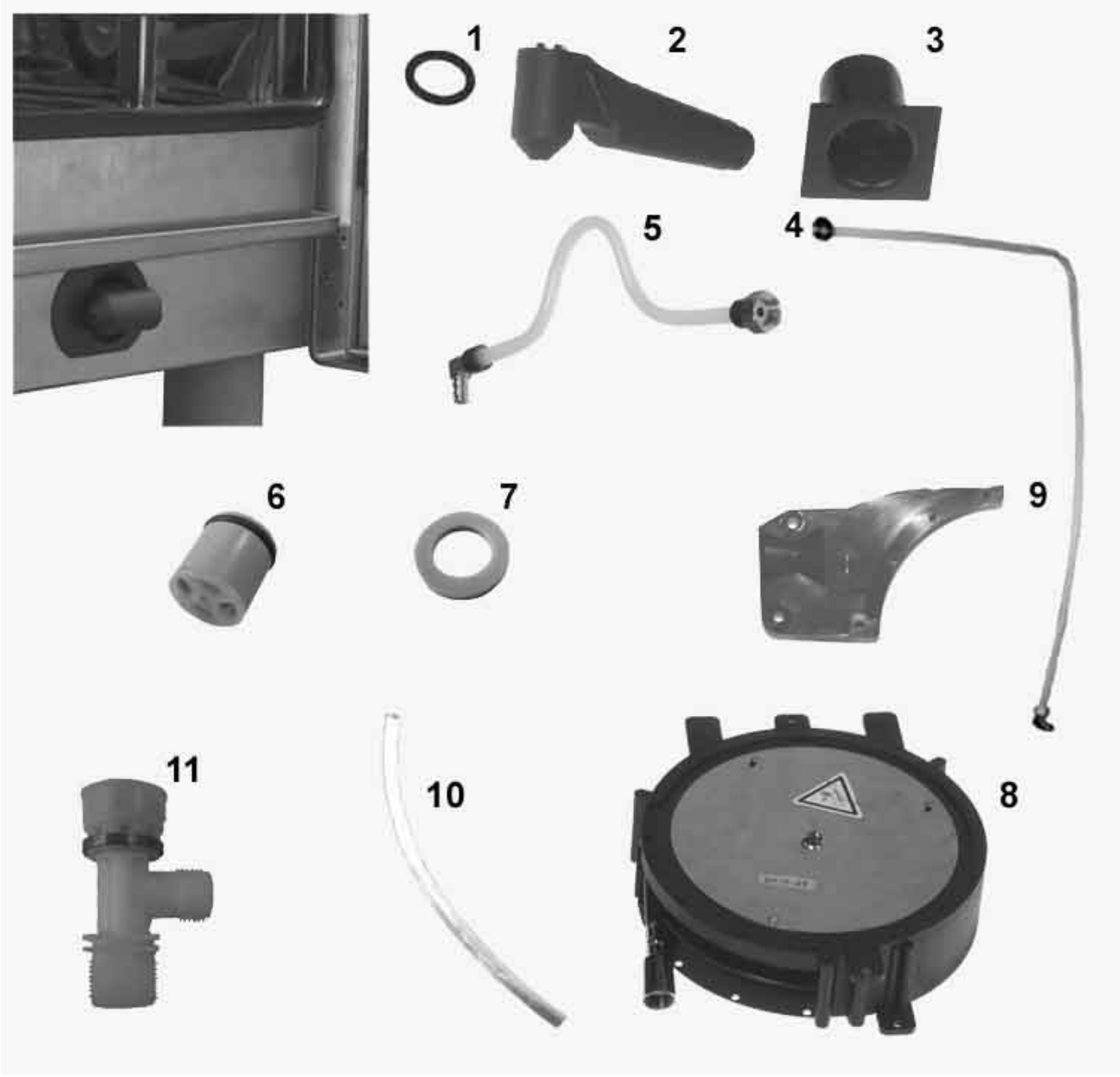
Quenching box



Quenching box

Pos.	Part no.	Description	Qty.
7	5003.0300	Insulation, melamin resin foam	
8	5006.0500	Polyurethan-Glue for insulation 310ml	

Hand shower



Hand shower

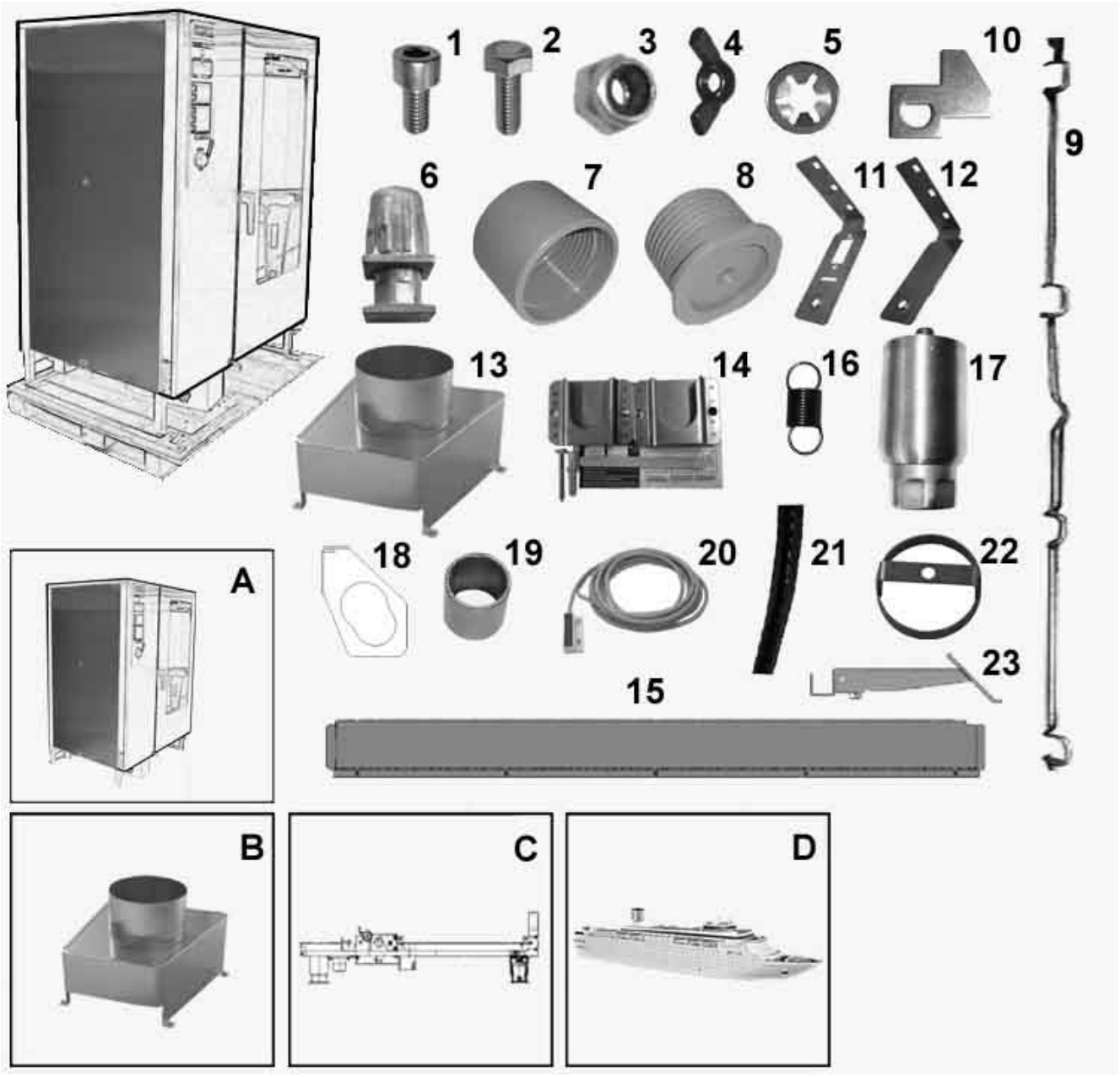
Pos.	Part no.	Description	Qty.
1	2060.0228	O-ring for shower hose	
2	2060.1006	Hand shower	
5	2062.0329	Connecting pipe for hand shower	
6	2069.0106	Non return valve DN 10 Handshower	
7	5110.1024	Gasket for G3/4" threaded joint	
8	8655.2020	Hand shower roll guide	
9	8655.2022	Hose guide for handshower	
11	8664.1300	T-fitting handshower connection	

Gas parts

Gas parts

Pos.	Part no.	Description	Qty.
1	2001.0040	Loctite 243 50ml	

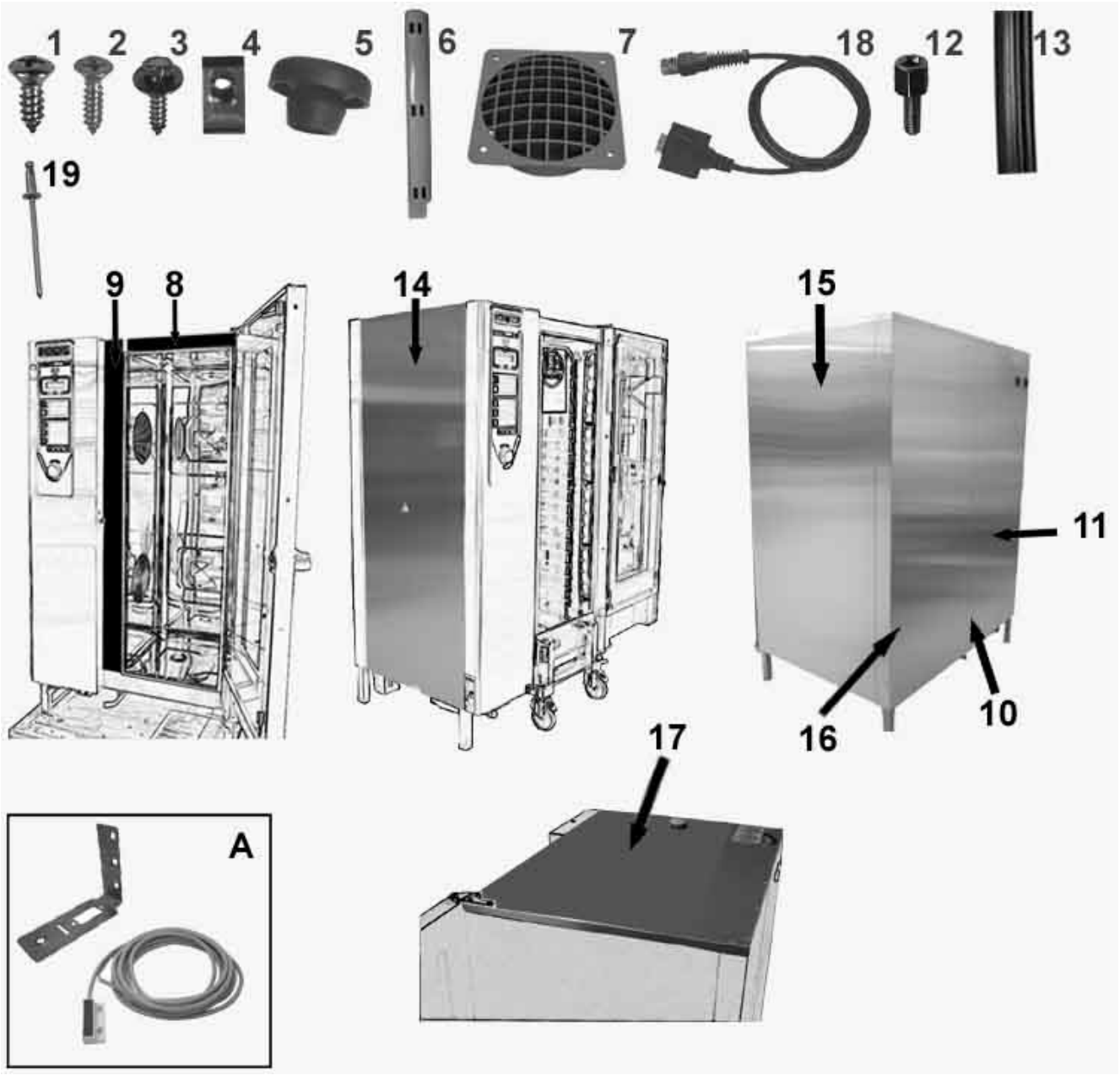
Exterior cabinet



Exterior cabinet

Pos.	Part no.	Description	Qty.
6	2039.0111	Foot adjustable, metal, 40 x 40	
10	2510.530746	Stop for potentiometer hot air	
12	2710.1325	Bracket for door contact switch	
14	8700.0317	Floor fixing for units	
19	2812.1304	Spacer for vent cover	
20	3016.1415	Door switch	
22	8450.1310	Spacer ring	
22	8455.1209	Vent cover	
A		Exterior cabinet	

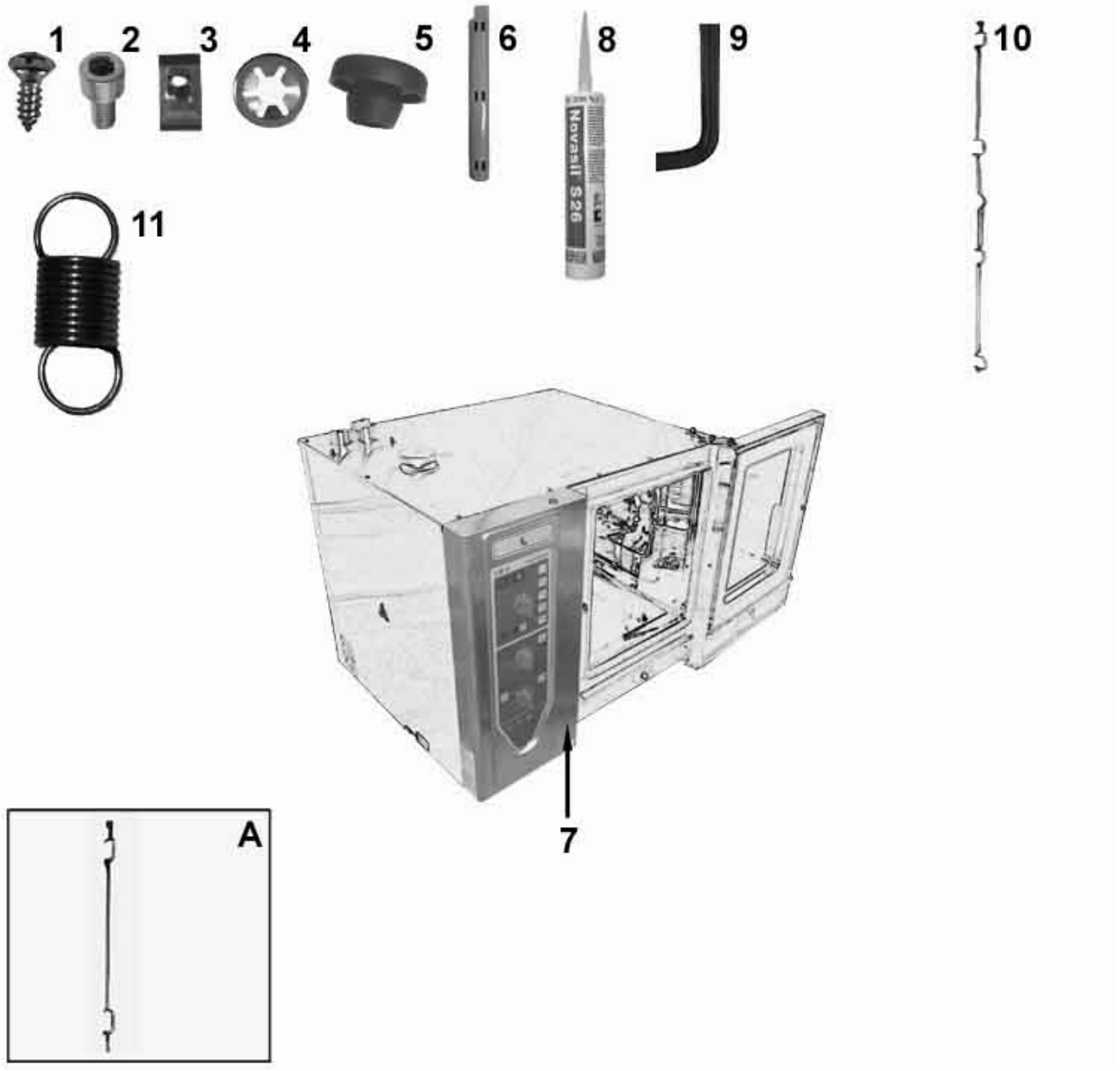
Exterior cabinet



Exterior cabinet

Pos.	Part no.	Description	Qty.
1	1003.2261	Raised counters. head self tapp. screw 4,2x13	
2	1003.2265	Countersunk self tapping screw 4,2x16	
3	1004.2160	Hex self tapping screw 4,2x16	
4	1104.0820	Snap nut 4,2mm	
5	2039.0331	Cap for service door	
6	2039.0338	Corner guard handshower hose	
7	2039.0343	Vent cover	
8	2710.1320	Crossbar top	
9	2710.1331	Top crossbar left side	
10	2710.1370	Back panel	
13	5100.1012	Gasket venting pipe-top cover	
13	5105.1028	Gasket f. breather tube d=74mm	
14	8455.1310	Side panel left	
15	8455.1311	Side panel right	
17	8457.1309	Top cover	
19	1603.0166	Rivet 3,2x7,9 CNS closed	
19	1603.0161	Rivet 3,2x6	
A	8455.1341	Front panel cpl.	

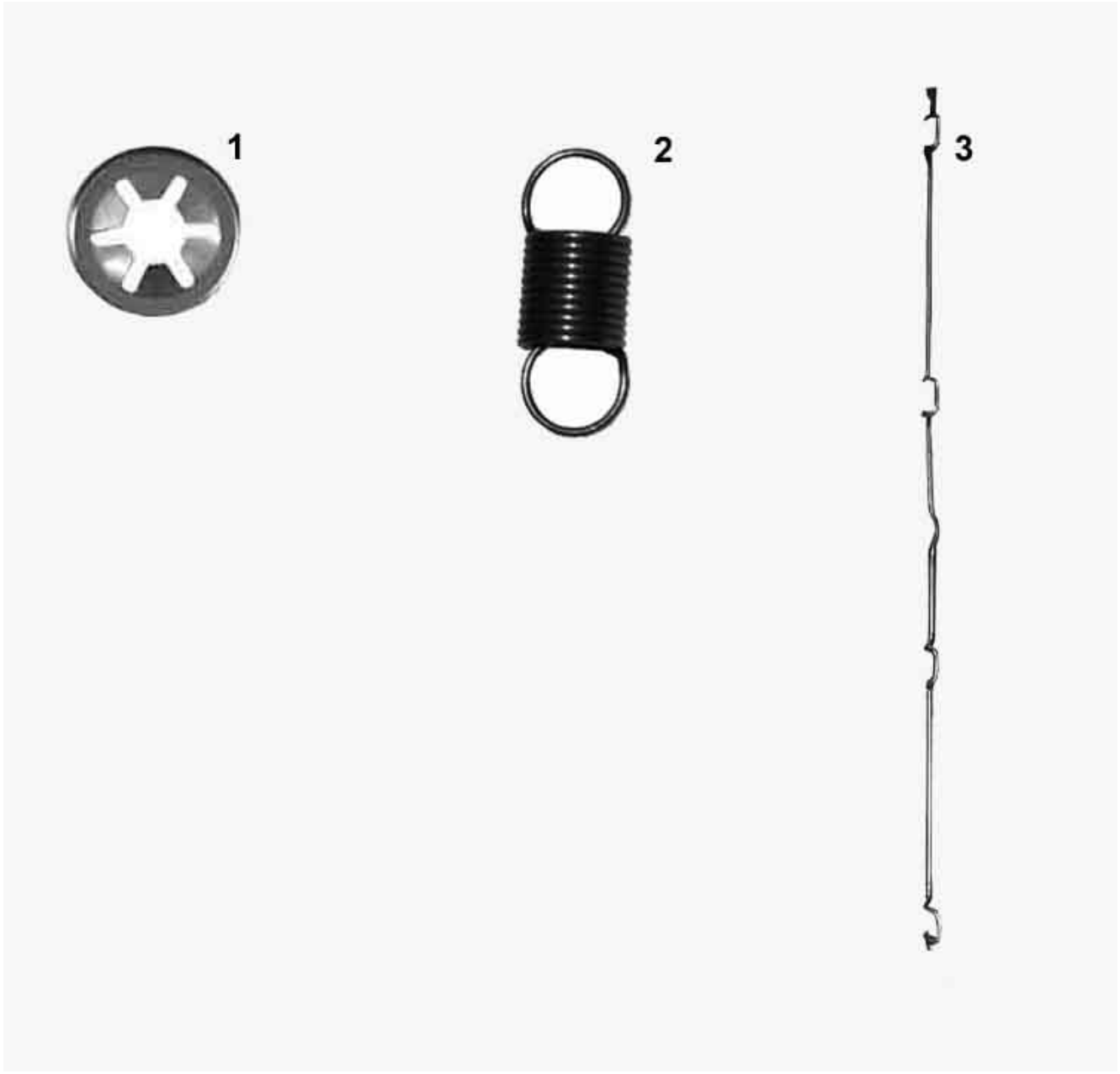
Front panel cpl.



Front panel cpl.

Pos.	Part no.	Description	Qty.
1	1003.2261	Raised counters. head self tapp. screw 4,2x13	
2	1006.0621	Allen screw M6x12	
3	1104.0820	Snap nut 4,2mm	
4	1107.0104	Star lock ø6	
5	2039.0331	Cap for service door	
6	2039.0338	Corner guard handshower hose	
7	8455.1325	Front panel welded	
8	5006.0212	Silicone tube E127, 310 ml silver	
10	8464.1307	Opening mechanism for panel insert	
11	2002.0107	Tension spring for front panel	

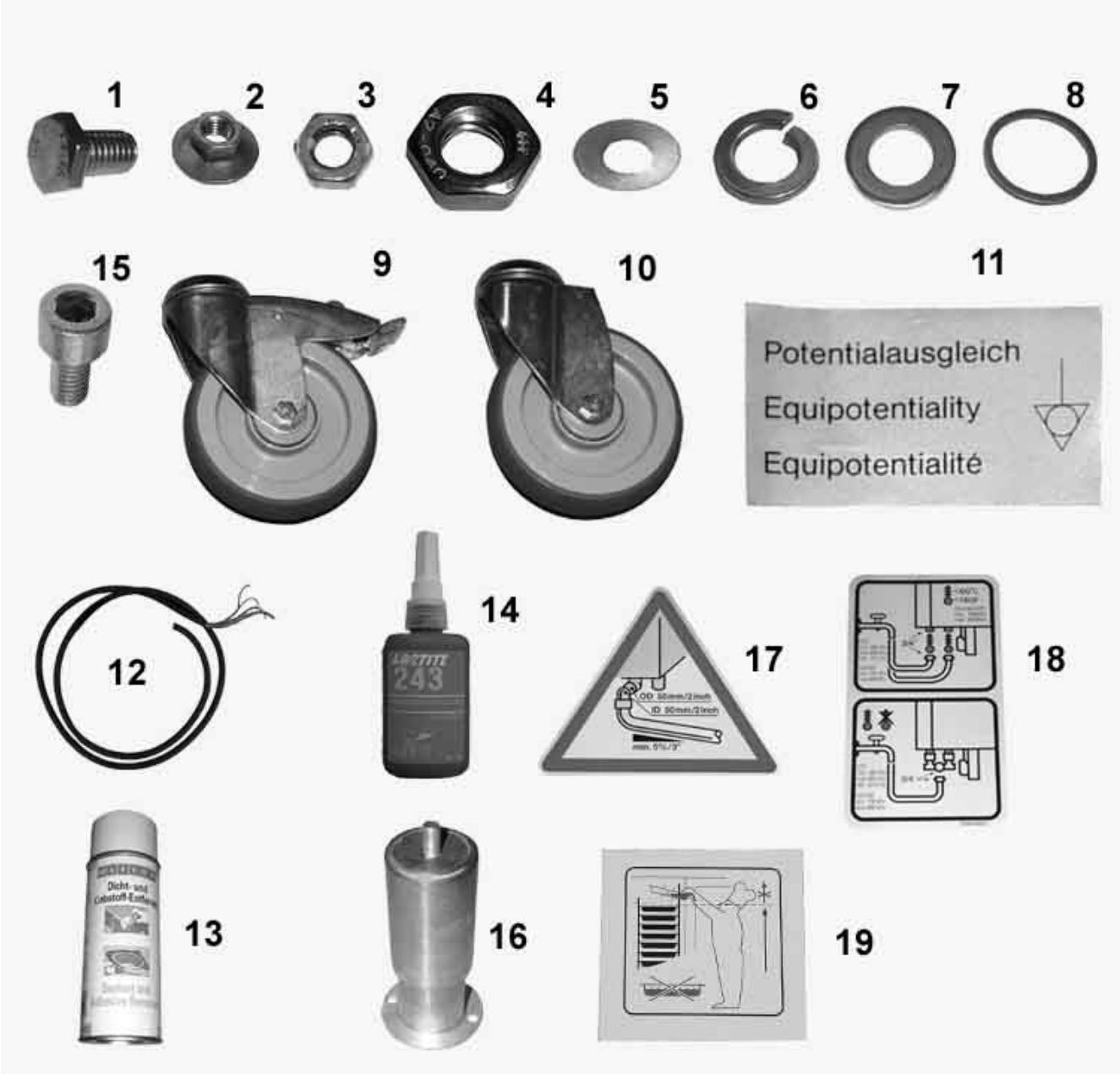
Front panel welded



Front panel welded

Pos.	Part no.	Description	Qty.
1	1107.0104	Star lock ø6	
2	2002.0107	Tension spring for front panel	
3	8464.1307	Opening mechanism for panel insert	

Miscellaneous



Miscellaneous

Pos.	Part no.	Description	Qty.
6	1210.0260	Spring washer B10	
7	1305.0160	Washer A5,3x10mm	
8	1315.0105	Copper washer 10x16x1,5	
9	2005.0603	Castor, 125mm with brake	
10	2005.0604	Castor, 125mm without brake	
11	2049.0817	Sticker, Equipotential bonding	
13	9006.0800	Adhesive solvent "Weicon"	
14	2001.0040	Loctite 243 50ml	
17	2049.0433	Sticker Drain connection DN 50	
19	2049.0484	Sticker "Loading heights"	

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8455.1377	Air inlet filter	5
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1006.0621	Allen screw M6x12	89
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1006.0625	Allen screw M6x70	67
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3028.0558	Contactor AEG LS22 K00	17, 19
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3101.1008	Cooling fan	13, 17, 19
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