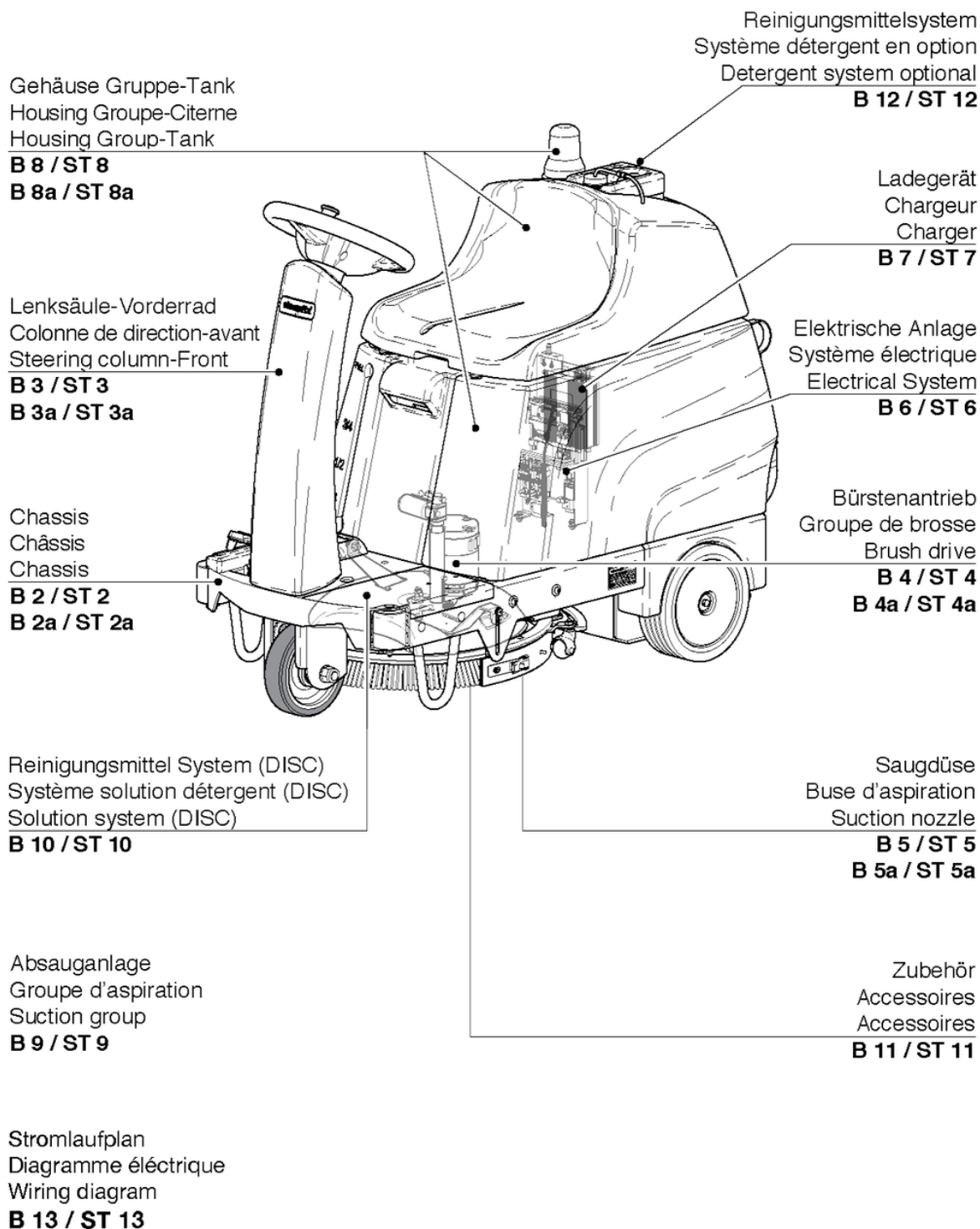


RA535 IBCT

Contents

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RA 535 IBCT



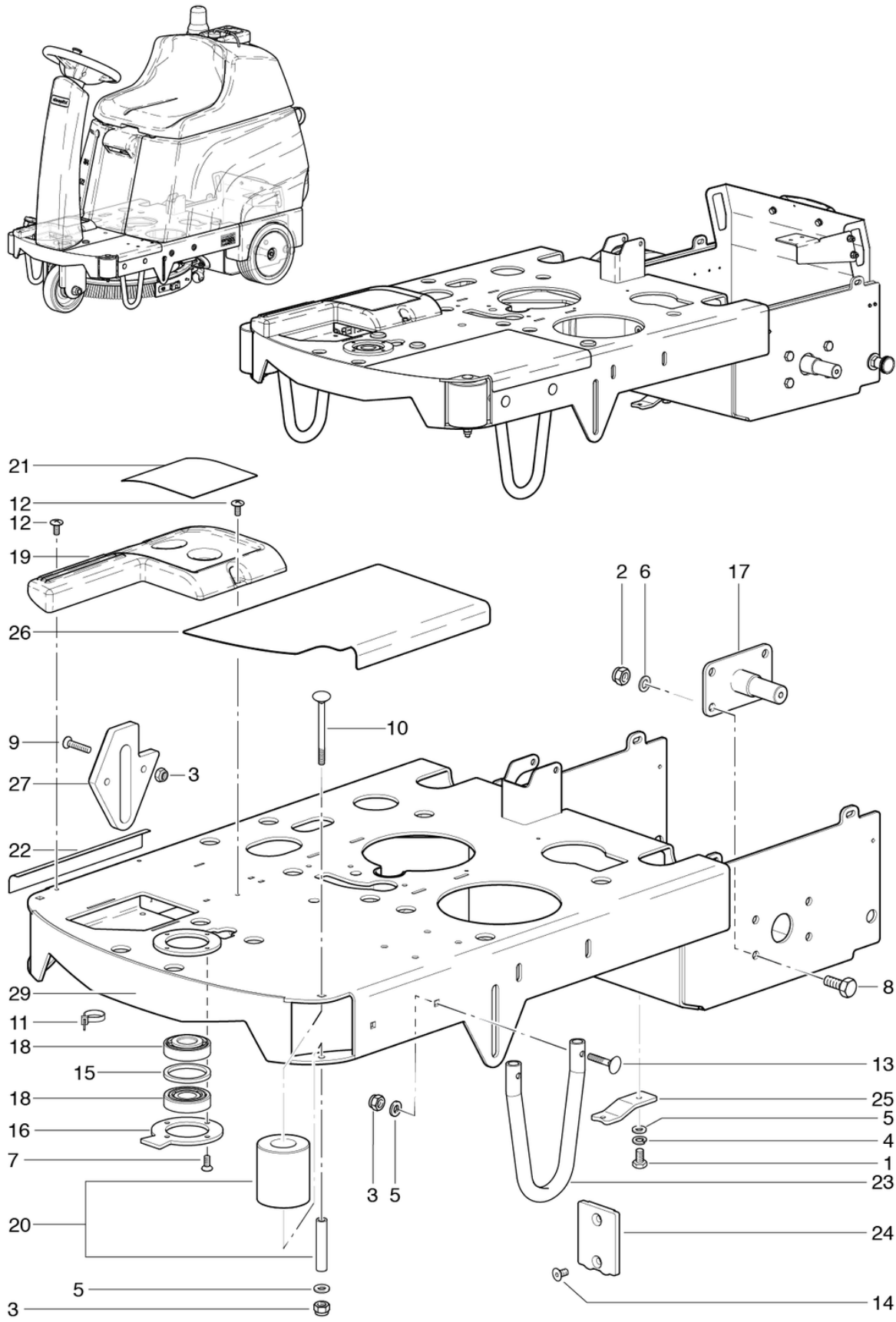
RA535 IBCT

Chassis

PDF created on: 20.05.2024 00:45



RA 535 IBCT



RA535 IBCT

Chassis

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Pos.	Item no.	Spare part
1	P471D	Screw DIN 933 M8 x 16
2	P492Q	Nut DIN 985 M10
3	P492H	Nut DIN 985 M8 St galvanized
4	P496J	Shim DIN 522 M8 8,4/20/1,2
5	P510B	Washer M 8
6	P496T	Shim DIN 125 A M10 10,5/20/2
7	P487W	Screw DIN 7991 M6 x 16 A2
8	P470D	Screw DIN 933 M10 x 25
9	P479V	Screw DIN 7991 M8 x 40
10	P	Screw DIN 603 M8 x 110 (UNI 5731)
15	535.708	middle section ball bearing
16	535.709	ball bearing- be tight pod -holder
17	535.710	rear wheel support
18	535.721	steering column ball bearing
19	535.711	Heel Support
20	536.904	Distance roll Ø 70/14 and axis Ø14/8.5
21	535.713	stap support landslide protection mat
22	535.714	protection mat right
23	535.716	tilt protection pipe
24	535.724	Suction nozzle lift-off drive guide
26	535.718	protection mat left
27	535.715	part protection

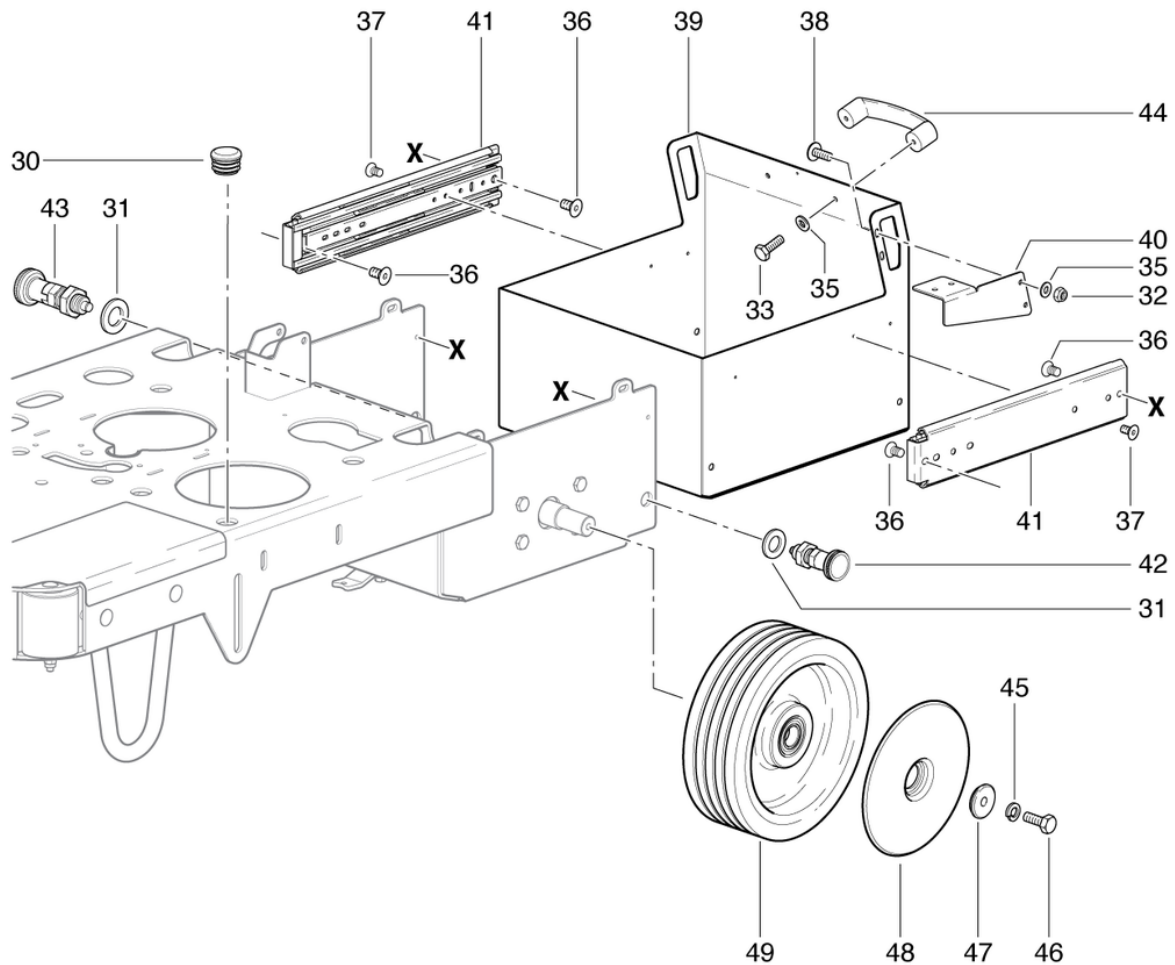
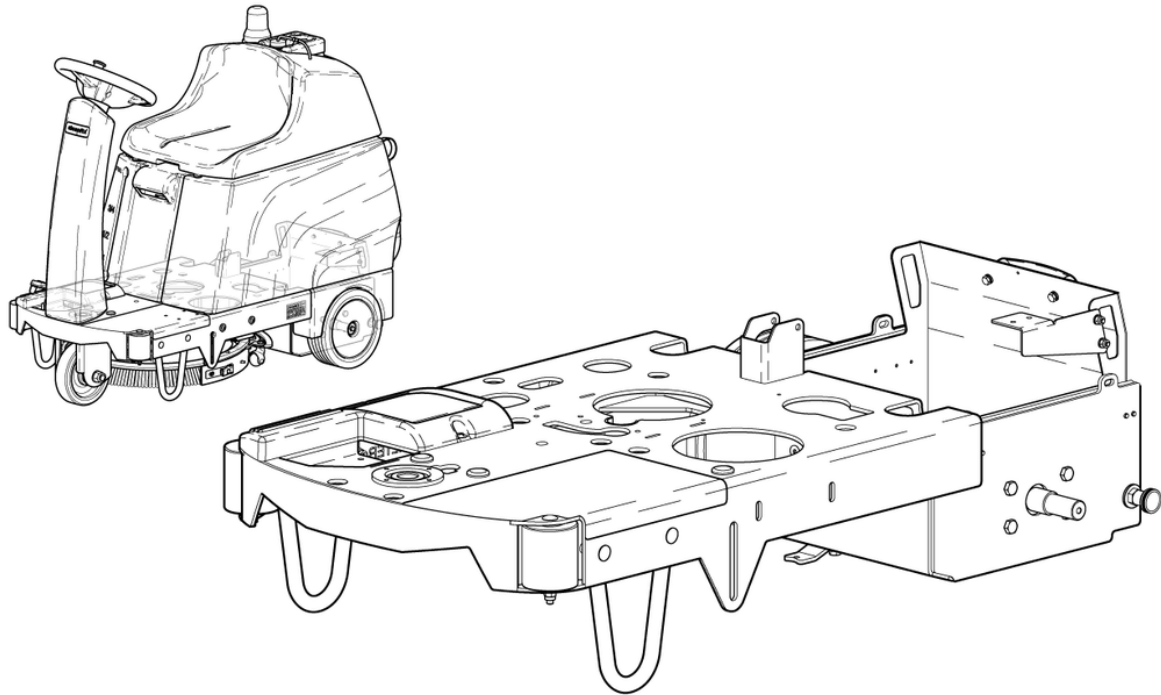
RA535 IBCT

Chassis

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RA535 IBCT

Chassis

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Pos.	Item no.	Spare part
30	—	Battery no longer available, it must Pos.12 and Pos to buy 11th
31	P500R	Shim DIN 433 M16 17/28/2,5
32	P492K	Nut DIN 985 M6 A2
33	P472S	Screw DIN 933 M6 x 16 A2
35	P497K	Washer DIN 125 A M6 6,4/12/1,6 A2
36	P480K	Screw DIN 7991 M6 x 10
37	P480N	Screw DIN 912 M4 x 6
38	P	Screw DIN 603 M8 x 110 (UNI 5731)
39	535.707	battery tub
40	535.717	charging plug
41	535.720	Battery Tray Runner
42	535.722	Battery Box Secure Piston
43	535.723	Battery Box Piston
44	P058	Handle
45	P498N	Ring DIN 127 B M8 8,1/14,8/2
46	P471D	Screw DIN 933 M8 x 16
47	535.502	between pieces wheel
49	535.501	Rear Wheel RA535

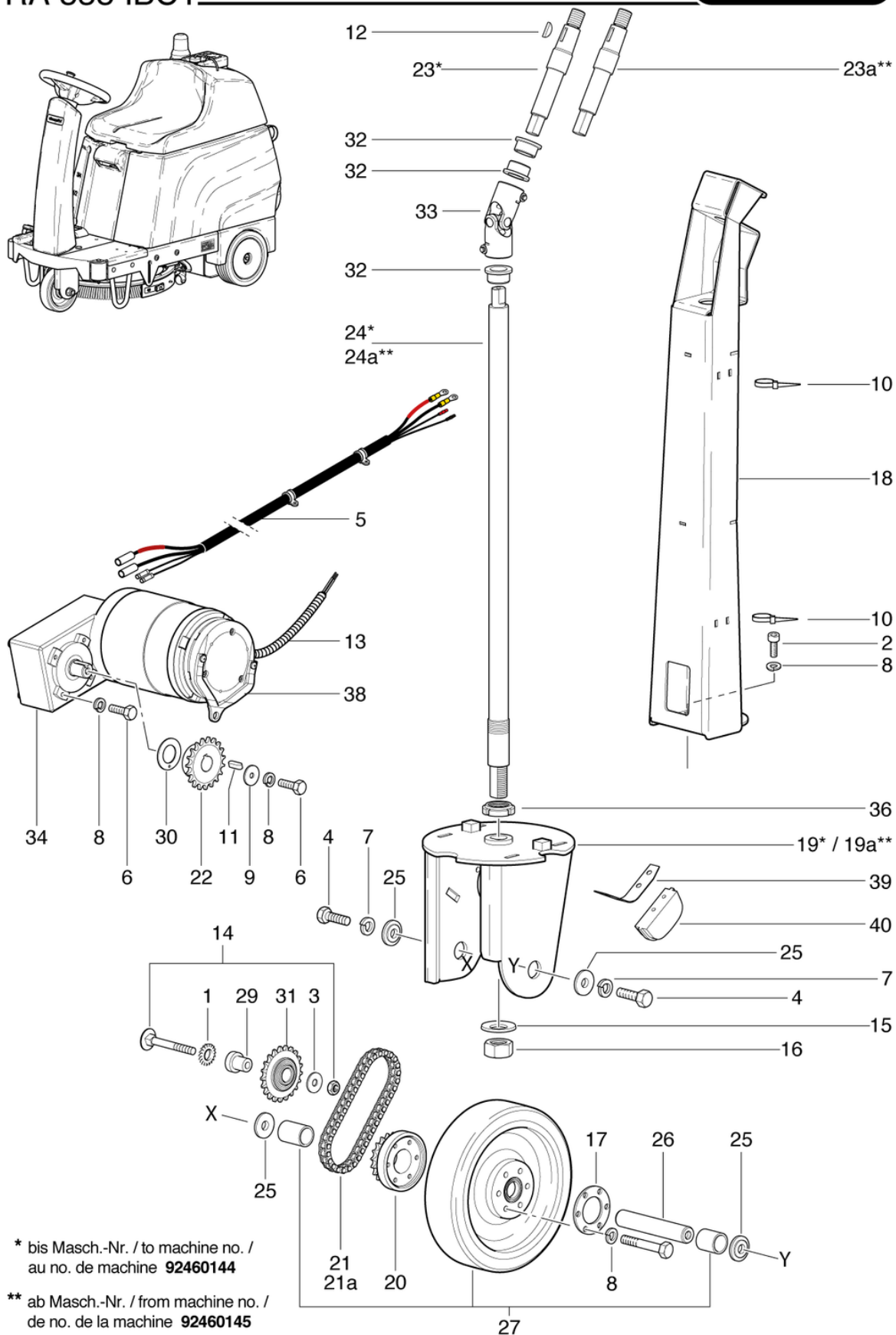
RA535 IBCT

Steering column - Front

PDF created on: 20.05.2024 00:45



RA 535 IBCT



* bis Masch.-Nr. / to machine no. /
au no. de machine **92460144**

** ab Masch.-Nr. / from machine no. /
de no. de la machine **92460145**

RA535 IBCT

Steering column - Front

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Pos.	Item no.	Spare part
1	P498S	Shim DIN 6798 AZ M12
2	P486Y	Screw DIN 912 M6 x 40 A2 with shaft
3	P496Q	Shim DIN 9021 M8 8,4/24/2
4	P470D	Screw DIN 933 M10 x 25
5	535.237	Conversion Kit Cable
6	P470T	Screw DIN 933 M6 x 16
7	P498E	Ring DIN 127 B M10 10,2/18,1/2,2
8	P498U	Ring DIN 127 B M6 6,1/11,8/1,6 A2
9	P497K	Washer DIN 125 A M6 6,4/12/1,6 A2
10	P421	Cable tie black 2.5 x 98mm
11	P319L	Key DIN 6885 A 6/6/20
12	535.757	Woodruff Key
13	535.763	Protective hose for cable 0,58m
14	535.755	Screw with shaft M8 x 40 incl. nut
15	535.737	Distance Holder
16	P491A	Nut DIN 982 M24 St galvanized
17	535.738	Pinion
18	535.739	Steering column
19a	535.746A	Front wheel support
19	535.746	Wheel Support
20	535.740	Drive wheel
21a	535.744A	Traction chain
21	535.744	Traction Chain
22	535.745	Pinion
23a	535.743A	steering-wheel axle small
23	535.743	Steering Column Upper
24a	535.736A	Steering Column Lower New
24	535.736	Steering Column Lower
25	535.753	Centering shim
26	535.754	Front wheel shaft RA535
27	535.252	Drive wheel standard Supergrip yellow cpl.
29	535.747	Thrust Washer
30	535.748	Thrust Washer
31	535.751	Chain tensioner pin bearings
32	535.750	Bearing
33	535.749	Universal Joint
34	535.752	Drive Motor RA535

Pos.	Item no.	Spare part
36	535.801	Lock ring M25 x 15
38	535.758	Magnetic Brake
39	535.762	spring
40	535.761	Tensioner

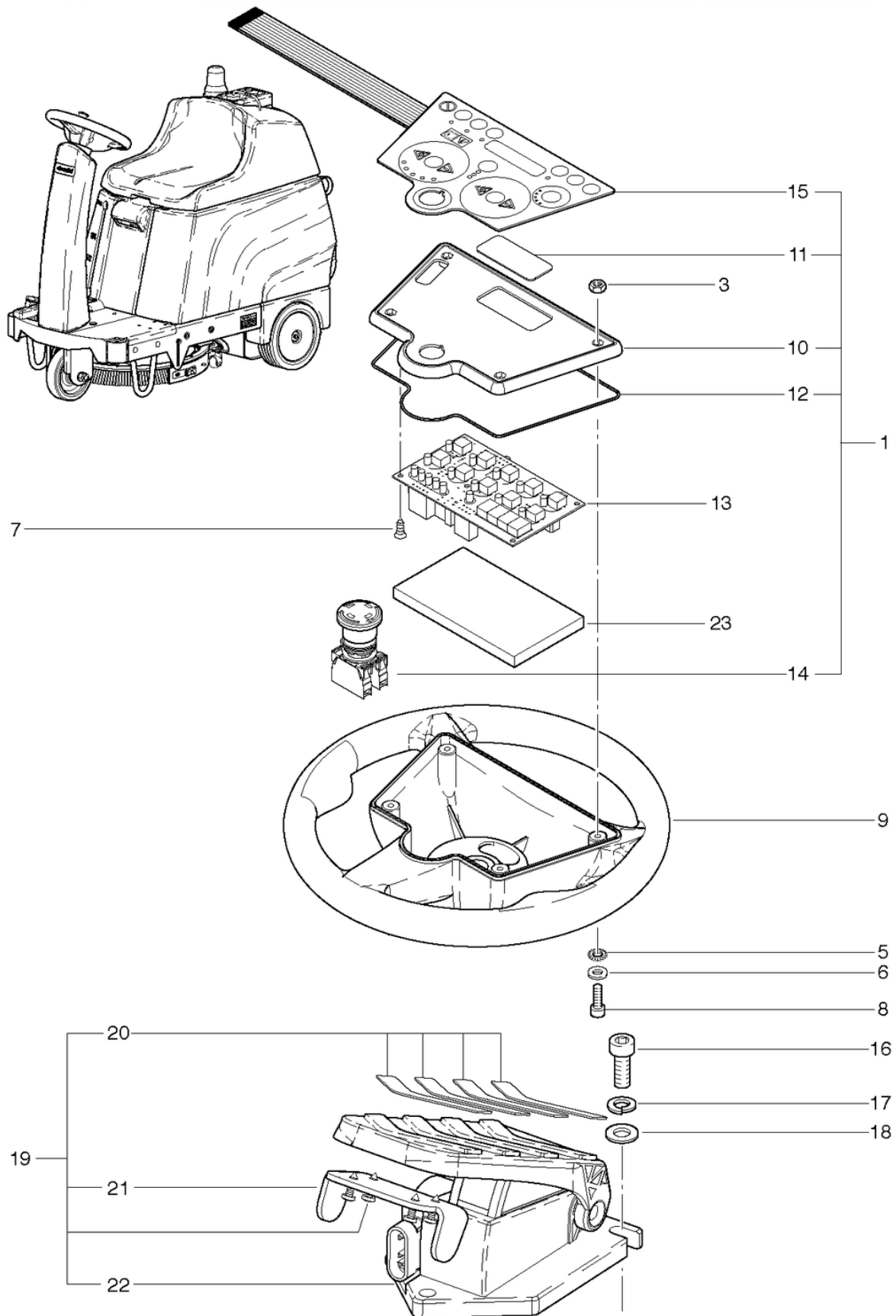
RA535 IBCT

Steering column - Group

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RA 535 IBCT



RA535 IBCT

Steering column - Group

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Pos.	Item no.	Spare part
1	535.626	steering-wheel electronics
3	P490C	Hexagon nut DIN 934 M5
5	P498D	Washer DIN 6798 M5 5,1/9/0,5 A2
6	P496G	Shim DIN 9021 M5 5,3/15/1,2
7	P	Screw DIN 603 M8 x 110 (UNI 5731)
8	P486I	Screw DIN 7984 M5 x 16 galvanized
9	535.621	Steering Wheel w/o Electrics
10	535.623	Steering Wheel Cover
11	535.650	Isolation of the functionscard
12	535.622	Cord
13	535.624	Control Board RA535
14	535.642	Emergency Button
15	535.625	Membrane Keyboard
16	P487B	Screw DIN 912 M8 x 20
17	P496J	Shim DIN 522 M8 8,4/20/1,2
18	P496N	Shim BN 732 M10 10,5/40/20 St vz
19	535.113	Pedal Complete
20	535.764	Anti-slip profiles Accelerator
21	535.727	up border pedal
22	535.725	Accelerator Pedal RA535
23	535.647	Covering - Control

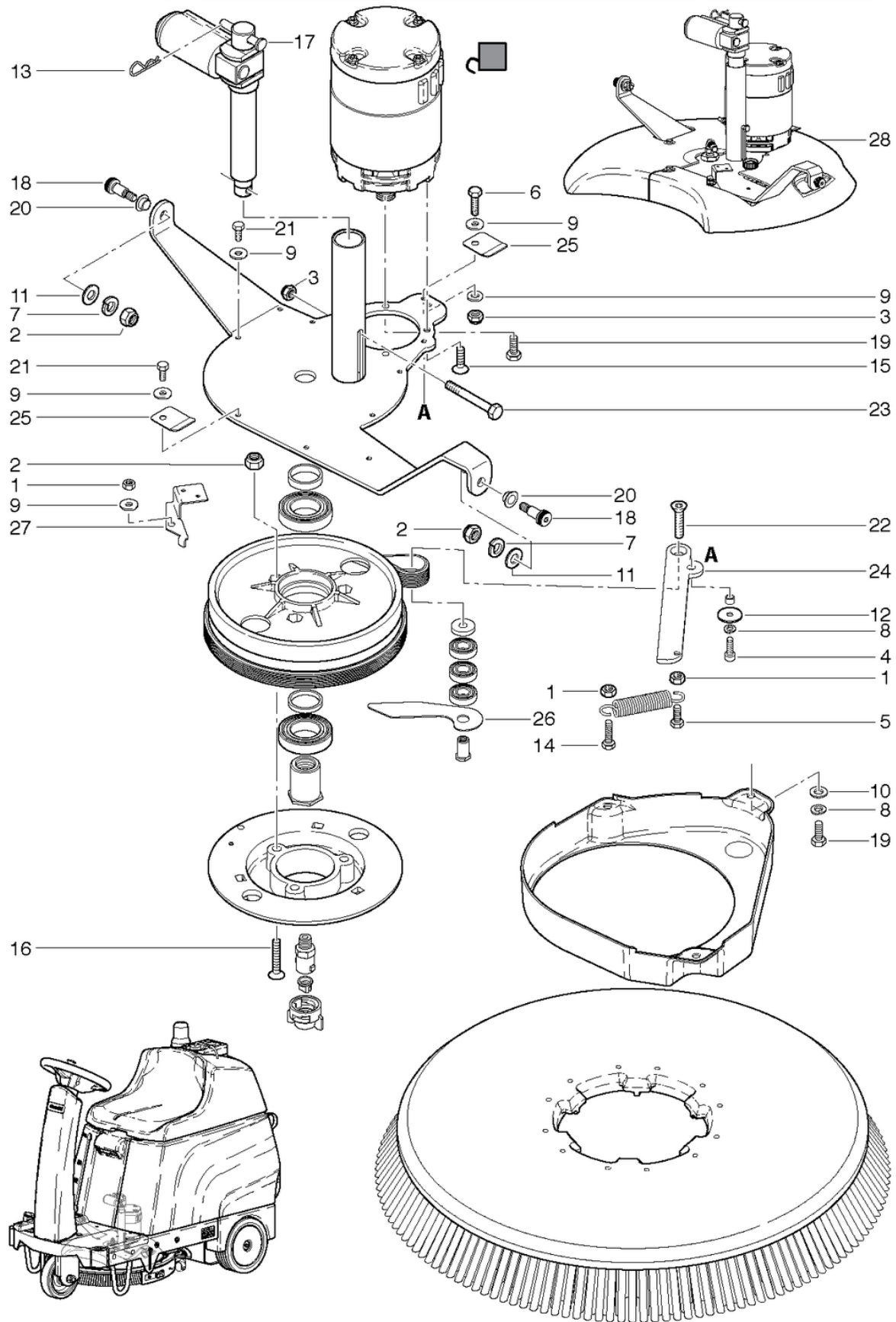
RA535 IBCT

Brush drive

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RA 535 IBCT



RA535 IBCT

Brush drive

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Pos.	Item no.	Spare part
1	P490D	Nut DIN 934 M6
2	P492H	Nut DIN 985 M8 St galvanized
3	P492K	Nut DIN 985 M6 A2
4	P486R	Screw DIN 912 M6 x 16
5	P470T	Screw DIN 933 M6 x 16
6	P486W	Screw DIN 912 M6 x 30
7	P497O	Shim DIN 125 A M5 5,3/10/1 Ms
8	P496V	Shim DIN 125 A M6 6,4/12/1,6 Ms
9	P496L	Shim DIN 9021 M6 6,4/18/1,6
10	P497K	Washer DIN 125 A M6 6,4/12/1,6 A2
11	P510A	Shim DIN 125 A M10 10,5/20/2 PA6.6
12	P510L	Washer DIN 522 M6 6,4/25/1,5 A2
13	700.612	Cotter
14	P472U	Screw DIN 933 M6 x 25 A2
15	P	Screw DIN 603 M8 x 110 (UNI 5731)
16	P479P	Screw DIN 7991 M8 x 45 A2
19	P470R	Screw DIN 933 M6 x 12
20	535.523	Bearings (self-lubricating) for brush / suction nozzle
21	P470RA	Screw ISO4017 M6 x 14 A2
22	P488V	Screw DIN 912 M8 x 30 A2K
24	535.517	Tensioner
25	535.525	brush protection casing -plate
26	535.532	strap support
27	535.530	Magnetic valve holder
28	535.531	RA535 Scrub Deck comp

Brush drive



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RA535 IBCT

Brush drive

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Pos.	Item no.	Spare part
28	535.503	brush gloth
29	535.059	Scrubbing brush Ø 20
30	535.524	Right Brush Protective Casing
31	535.515	Brush Attachment Hub USE 536.515
32	535.518	Intermediate piece ball bearing belt tensioner
33	535.526	Left Brush Protective Casing
34	535.510	Pulley
35	535.509	Spacer
36	535.505	Drilled bolt
37	535.511	Drilled bolt
38	535.519	Threaded bolt M8 CH13 ø12
39	535.521	strap make- Spring
40	535.507	Spacer
41	560.143	Bearing Sleeve
42	535.529	Brush Belt Carter
43	535.516	Drive belt 8-PJ-762
44	535.527	shooting button M6 x 16
45	535.508	ball bearing 6006 2RS
46	P316C	Deep groove ball bearing 6001 2RS ø28 / 12 x 8
47	P	Screw DIN 603 M8 x 110 (UNI 5731)
48	535.504	Brush Motor
49	535.522	Actuator
50	P541J	Elbow nipple WES 10 / R1 / 4
51	535.512	Spray Holder
52	535.514	Connection Kit
53	535.513	Nozzle
54	535.531	RA535 Scrub Deck comp

Suction nozzle



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Siehe Bildtafel Saugdüse 5a
Voir les illustrations buse 5a
See illustrations nozzle 5a

RA535 IBCT

Suction nozzle

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Pos.	Item no.	Spare part
1	P496S	Washer DIN 9021 M10 10,5/30/2,5 A2
2	P496Y	Shim DIN 125 M14 15/28/2,5
3	P473G	Screw DIN 933 M8 x 30 A2
4	P492H	Nut DIN 985 M8 St galvanized
5	P492K	Nut DIN 985 M6 A2
6	P	Screw DIN 603 M8 x 110 (UNI 5731)
7	P498N	Ring DIN 127 B M8 8,1/14,8/2
8	P496P	Washer DIN 125 A M8 8,4/16/1,6 A2
9	P500N	Washer DIN 522 M8 8,4/30/1,5 A2
10	P498E	Ring DIN 127 B M10 10,2/18,1/2,2
11	P253R	Wing screw Ø48 M6 x 10
12	535.613	Squeegee Actuator Plate
13	P497K	Washer DIN 125 A M6 6,4/12/1,6 A2
14	P510A	Shim DIN 125 A M10 10,5/20/2 PA6.6
15	535.602	Suction nozzle holder
16	P471C	Screw DIN 933 M8 x 12
17	P470D	Screw DIN 933 M10 x 25
18	P486Y	Screw DIN 912 M6 x 40 A2 with shaft
19	700.612	Cotter
20	535.604	Bearing
22	535.612	Suction nozzle lift-off
24	535.601	Intermediate piece suction nozzle guide tube C40
25	535.603	Suction nozzle guide tube
26	535.614	Sleeve for suction nozzle lift-off
27	535.615	Lock washer (self-lubricating) for suction nozzle
28	P471Q	Screw DIN 933 M6 x 25
29	P499D	Shim DIN 6798 M6 6,4/11/0,7 A2
30	P209A	Caster with Screw M10 x 25
31	P491N	Nut DIN 934 M10 St galvanized

RA535 IBCT

Suction nozzle

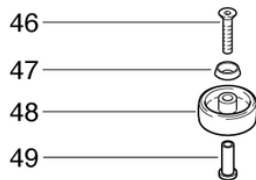
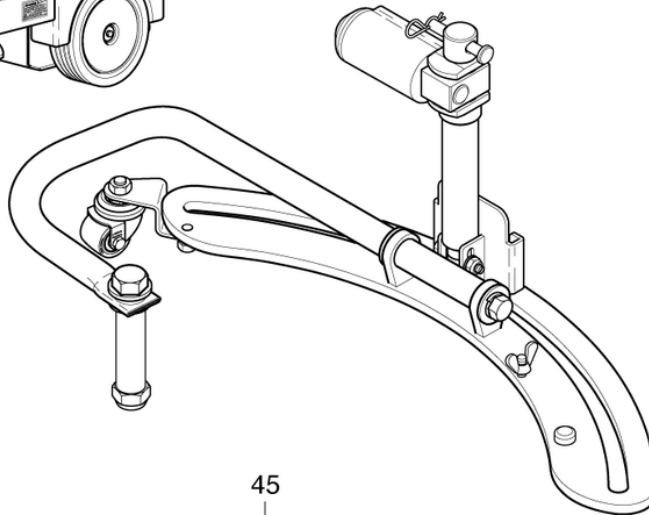
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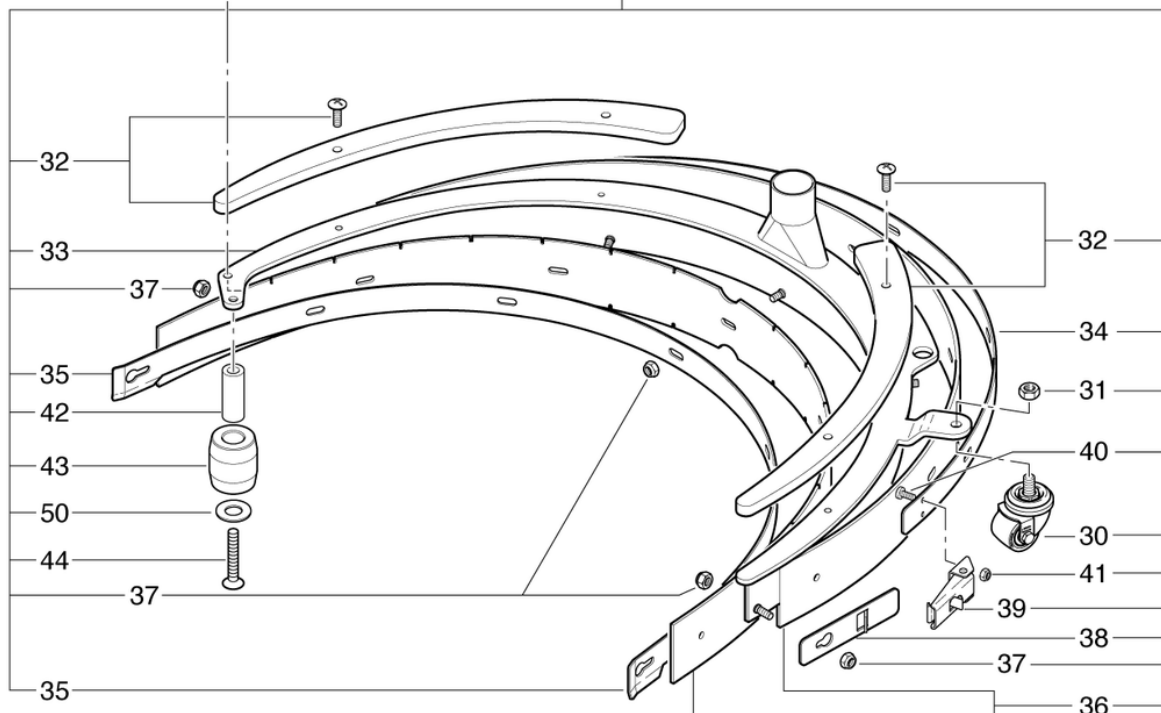
RA 535 IBCT



Siehe Bildtafel Saugdüse 5
Voir les illustrations buse 5
See illustrations nozzle 5



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RA535 IBCT

Suction nozzle

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Pos.	Item no.	Spare part
30	P209A	Caster with Screw M10 x 25
31	P4910	Nut DIN 934 M10 x 1 A2
32	535.121	addition weight Inox
33	535.605	Suction nozzle
34	535.608	Squeegee holder behind
35	535.607	Squeegee holder in front
36	535.083	Squeegee Set standard
38	535.609	Squeegee clip plate
39	535.610	Lever Lock
40	P481M	Screw DIN 7985 M4 x 10 A2
41	P493D	Stopp-nut DIN 985 M4 A2
42	535.617	Suction nozzle shock protection intermediate piece
43	535.616	Suction nozzle shock protection
44	P487L	Screw DIN7991 M8 x 55 A2
45	535.560	Curved suction nozzle
46	P479P	Screw DIN 7991 M8 x 45 A2
47	P500T	Shim SN 213912 M8 25/4,8 A2
48	P205	Polyamide wheel ø58mm
49	536.911	Bearing bush distance roller ø13.9/9.9 x 35
50	P496YA	Shim DIN 433 M14 15/24/2,5

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Electrical System

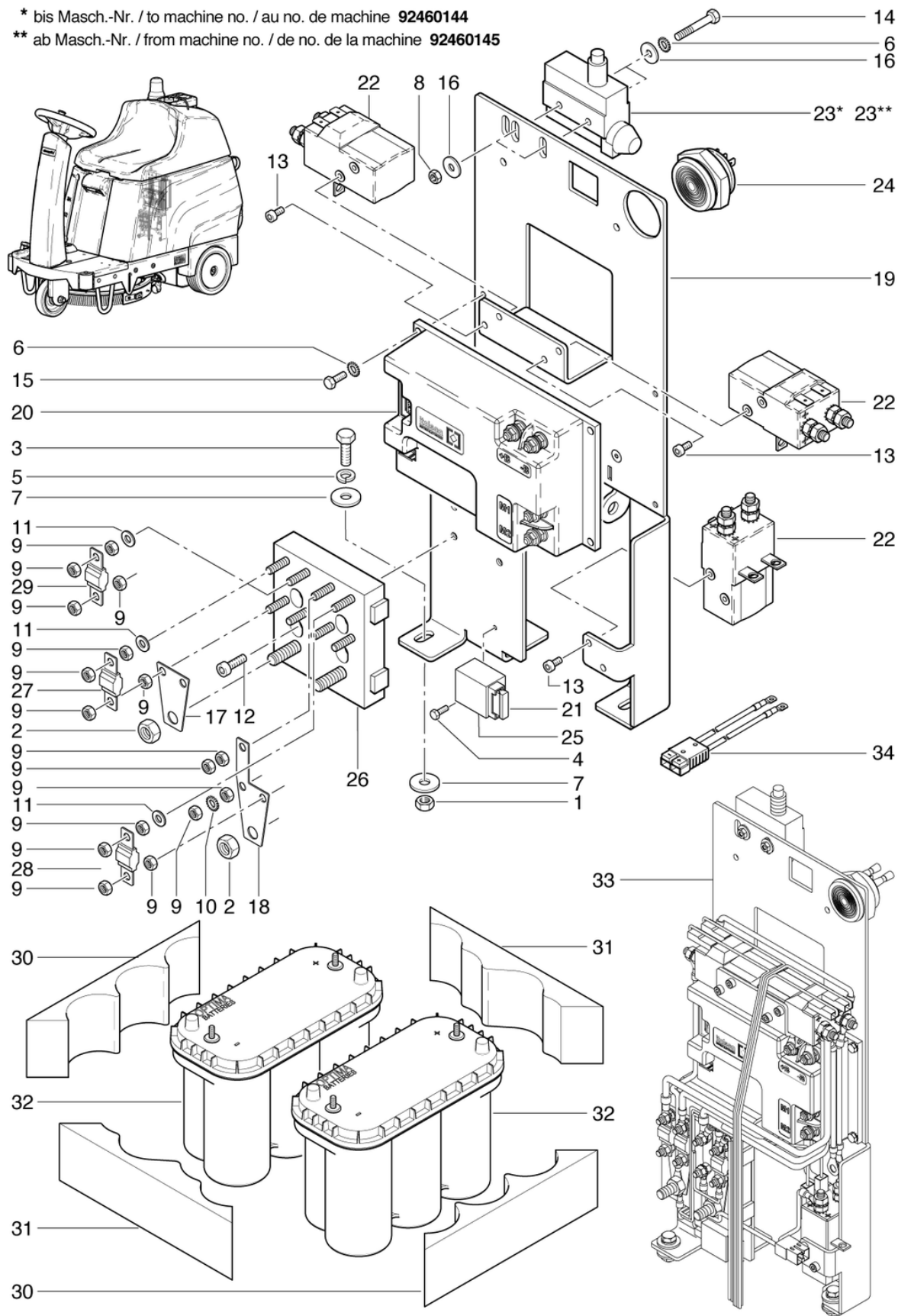
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RA 535 IBCT

* bis Masch.-Nr. / to machine no. / au no. de machine **92460144**

** ab Masch.-Nr. / from machine no. / de no. de la machine **92460145**



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Electrical System

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Pos.	Item no.	Spare part
1	P490D	Nut DIN 934 M6
2	P490E	Nut DIN 934 M8
3	P470X	Screw DIN 933 M6 x 20
4	P487Y	Screw DIN 912 M3 x 10
5	P498U	Ring DIN 127 B M6 6,1/11,8/1,6 A2
6	P500E	Ring DIN 127 B M4 4,1/7,6/0,9 A2
7	P496L	Shim DIN 9021 M6 6,4/18/1,6
8	P490B	nut DIN 934 M4
9	P490C	Hexagon nut DIN 934 M5
10	P498D	Washer DIN 6798 M5 5,1/9/0,5 A2
11	P497Q	Shim DIN 9021 M5 5,3/15/1,2 PA6.6
12	P486I	Screw DIN 7984 M5 x 16 galvanized
13	P488D	Screw DIN 912 M4 x 8
14	P475W	Screw DIN 85 A M4 x 30 A2
15	P486A	Screw DIN 912 M4 x 12
16	P496C	Shim DIN 9021 M4 4,3/12/1
17	535.627	Fuse Bridge
18	535.628	Fuse Bridge
19	535.629	Electrical Components Plate
20	535.643	Chopper Board RA535
21	535.638	Relay
22	535.634	Contactor
23	535.635	Seat Safety Switch
23	535.648	Switch
24	535.633	Buzzer
25	535.637	Bajonett- securing holder
26	535.636	Fuse Holder
27	535.639	Fuse 30A
28	535.640	Fuse 40a
29	536.113	Securing
30	535.827	Battery box panel
31	535.828	Battery box panel
32	500.092	Set of 2 gel batteries à 12 V/85 Ah (C5) Eternity
33	535.632	Electronics cpl with Wiring
34	535.839	Battery Cable

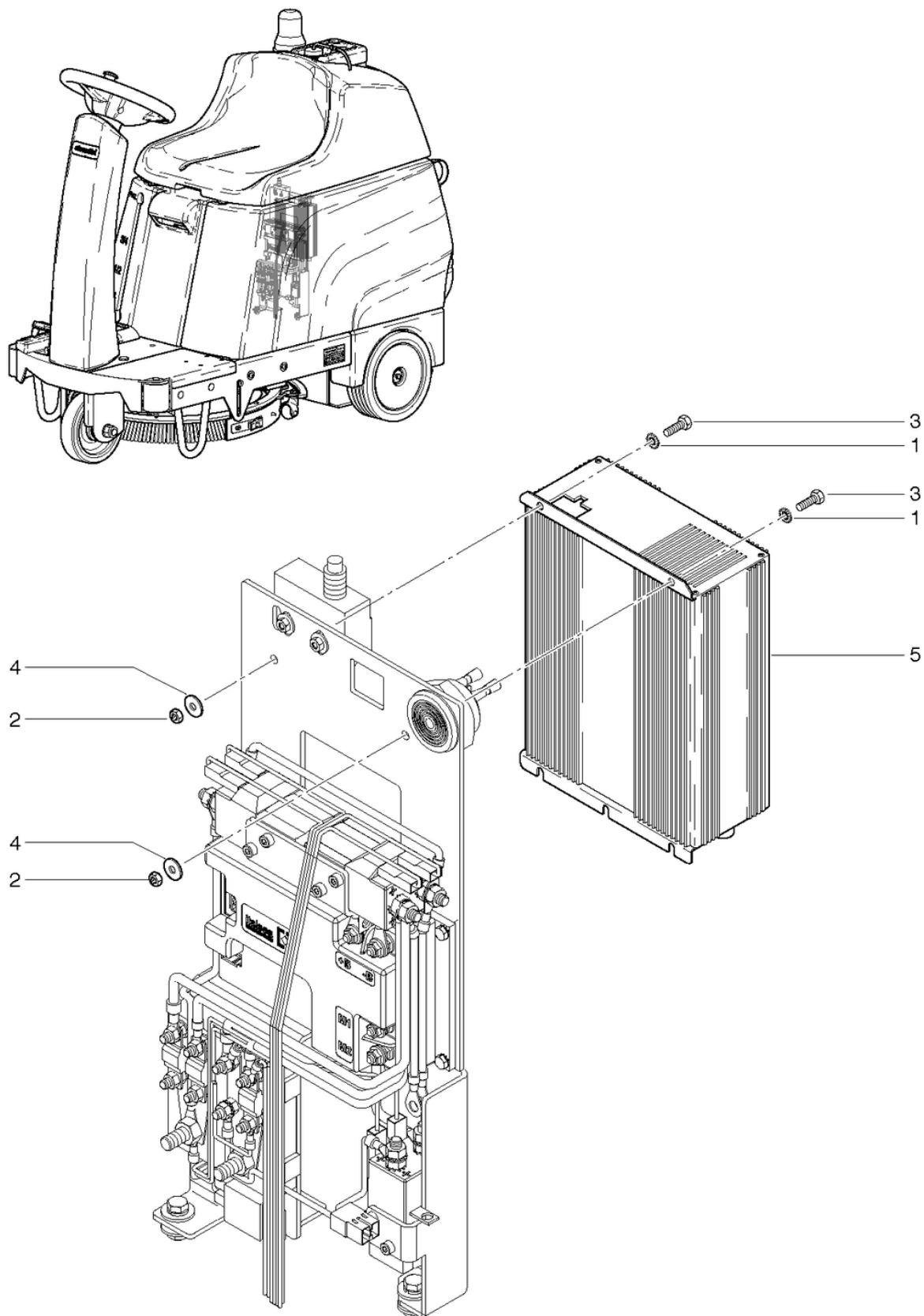
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Charger

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Charger

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Pos.	Item no.	Spare part
1	P499B	Serrated washer M 4
2	P490B	nut DIN 934 M4
3	P488A	Screw DIN 912 M4 x 12 A2
4	P496C	Shim DIN 9021 M4 4,3/12/1
5	535.825	Charger CBHD1-XR

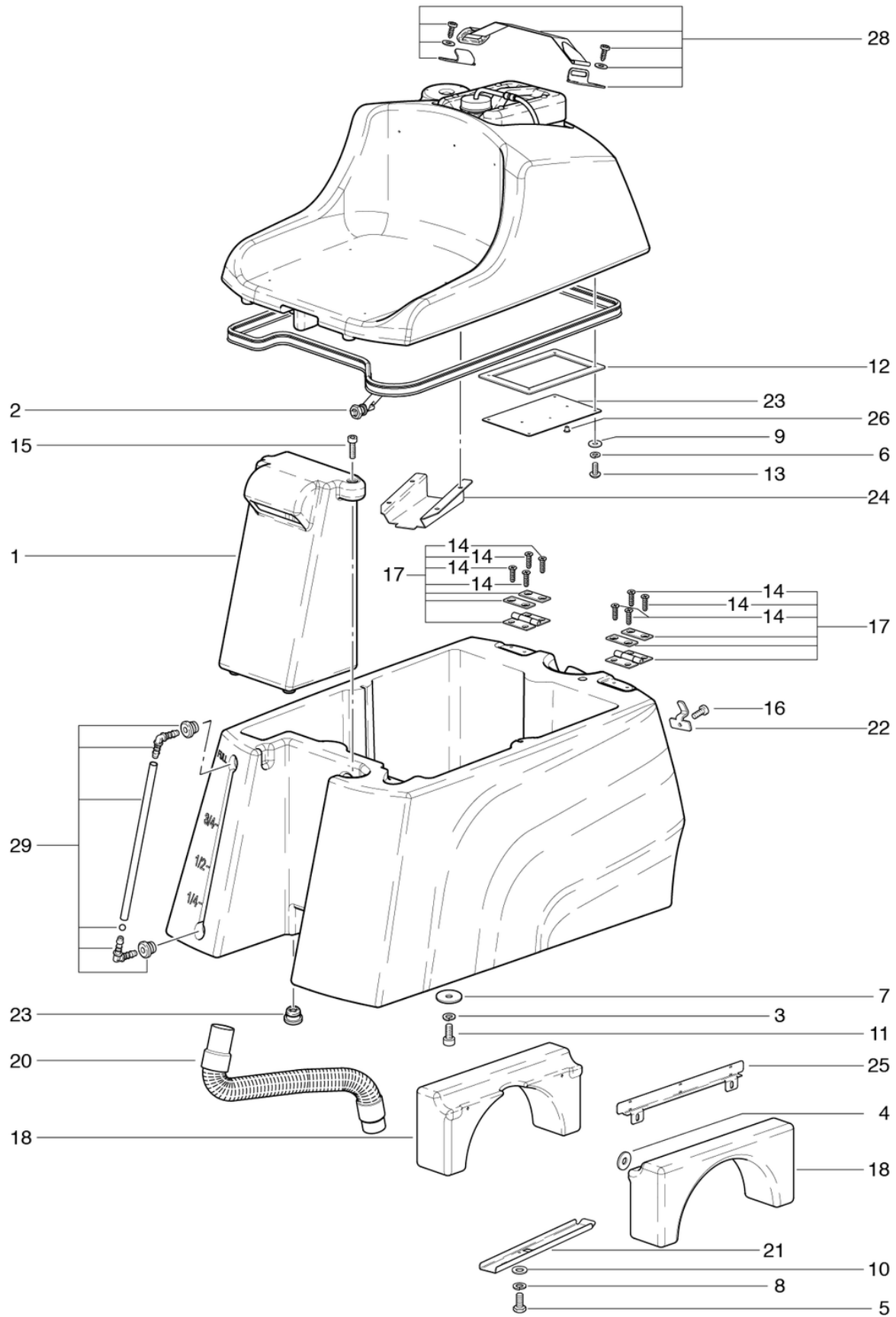
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Housing Group - Tank

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Housing Group - Tank

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Pos.	Item no.	Spare part
1	535.805	Component Box
2	535.811	Level Sensor
3	P498E	Ring DIN 127 B M10 10,2/18,1/2,2
4	P496C	Shim DIN 9021 M4 4,3/12/1
5	P470I	Screw DIN 933 M5 x 16
6	P500E	Ring DIN 127 B M4 4,1/7,6/0,9 A2
7	P496S	Washer DIN 9021 M10 10,5/30/2,5 A2
8	P500D	Ring DIN 127 B M5 5,3/9,2/1,2
10	P497Q	Shim DIN 9021 M5 5,3/15/1,2 PA6.6
11	P472W	Screw DIN 933 M10 x 16 A2
12	535.806	Lid Seal
13	P481M	Screw DIN 7985 M4 x 10 A2
14	P515MA	Screw DIN 7982 6,3 x 25
15	P486Y	Screw DIN 912 M6 x 40 A2 with shaft
16	P481Z	Screw DIN 7985 M5 x 10 A2
17	535.850	Hinge kit
18	535.823	Fender
20	535.803	Suction hose 0.81m
21	535.819	Protection for silicone hose
22	535.817	Hose support plate
23	535.816	Detergent tank fixing plate
24	535.820	Anti-splash flange
25	535.804	Fresh water drain hose
26	P	Screw DIN 603 M8 x 110 (UNI 5731)
28	535.106	support strap for canister
29	536.835	Level indicator kpl.

Housing Group - Tank

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Housing Group - Tank

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Pos.	Item no.	Spare part
28	P498N	Ring DIN 127 B M8 8,1/14,8/2
29	535.838	Steering column red
30	535.822	Anti Splash Union Pipe
31	P516S	Screw WN 1452 K30 x 14
32	535.815	Dirty Water Hose
33	P	Screw DIN 603 M8 x 110 (UNI 5731)
34	535.824	Tank cover locking cord
35	535.802	Clean Water Hose
36	535.818	Seat
37	535.814	Bush
38	535.807	Tank Seal
39	P486	Screw DIN 912 M8 x 16
41	535.813	Pipe
42	P498PA	washer DIN 9021 8 x 32
43	535.809	Key and Barrell
45	535.812A	Tank cap including hole
47	536.715	Connection pipe
48	535.455	SK labels "RA535" set
50	535.837	Seat red
51	535.836	Tank red

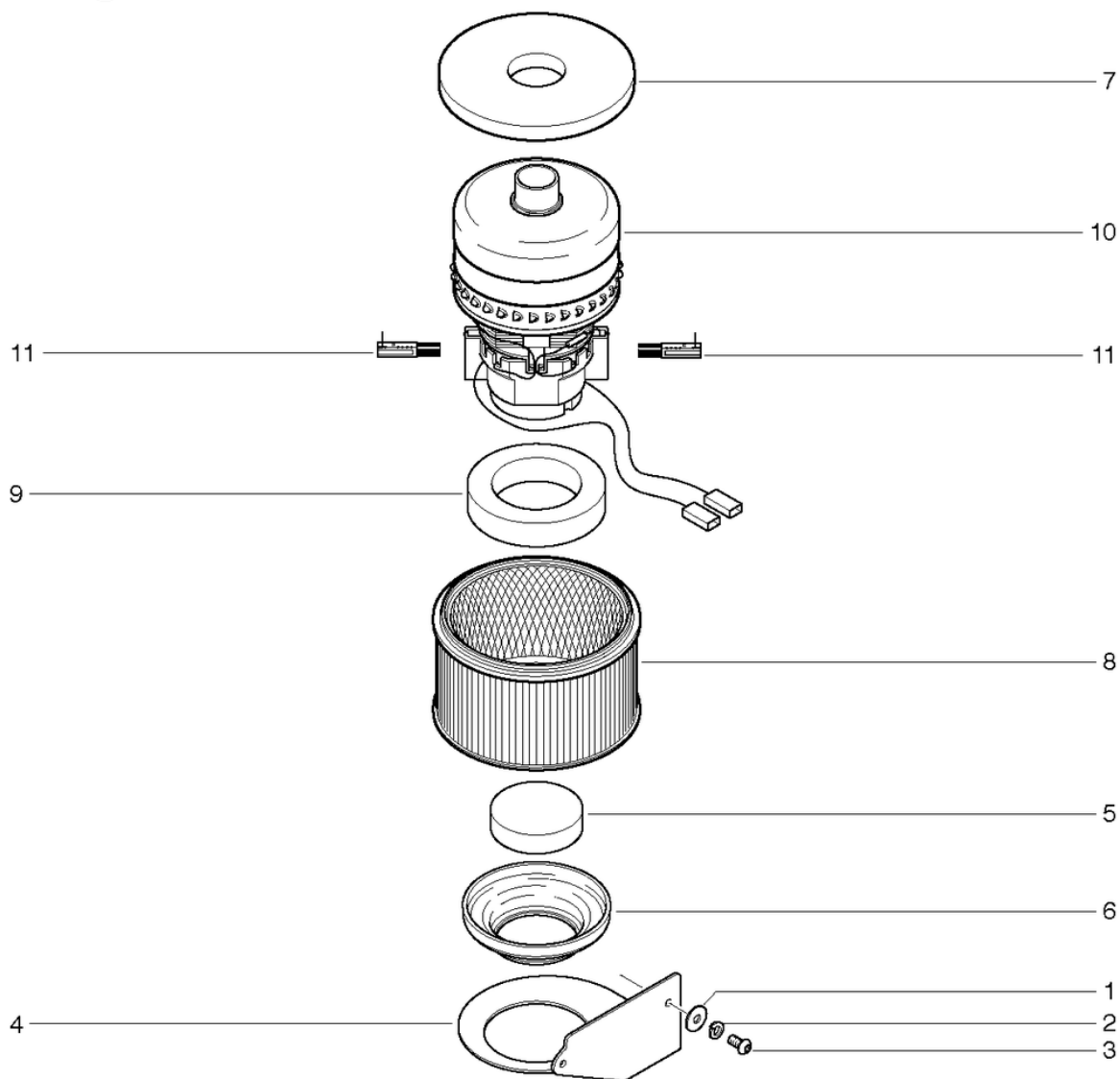
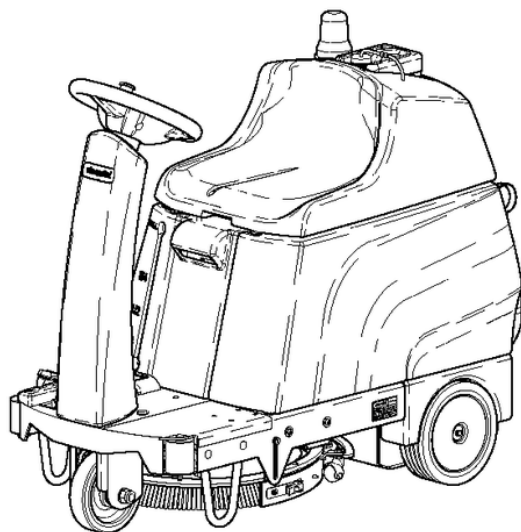
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Suction group

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RA 535 IBCT



RA535 IBCT

Suction group

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Pos.	Item no.	Spare part
1	P496Q	Shim DIN 9021 M8 8,4/24/2
2	P498N	Ring DIN 127 B M8 8,1/14,8/2
3	P486	Screw DIN 912 M8 x 16
4	535.706	Support
5	535.702	Suction Motor Bottom Filter
6	535.701	Lower Seal
7	535.704	Seal
8	535.440	Filter
9	535.705	Seal
10	535.703	Sauggebläse 24V / 550W
11	535.765	Pair of carbon brushes Set à 2Stk.

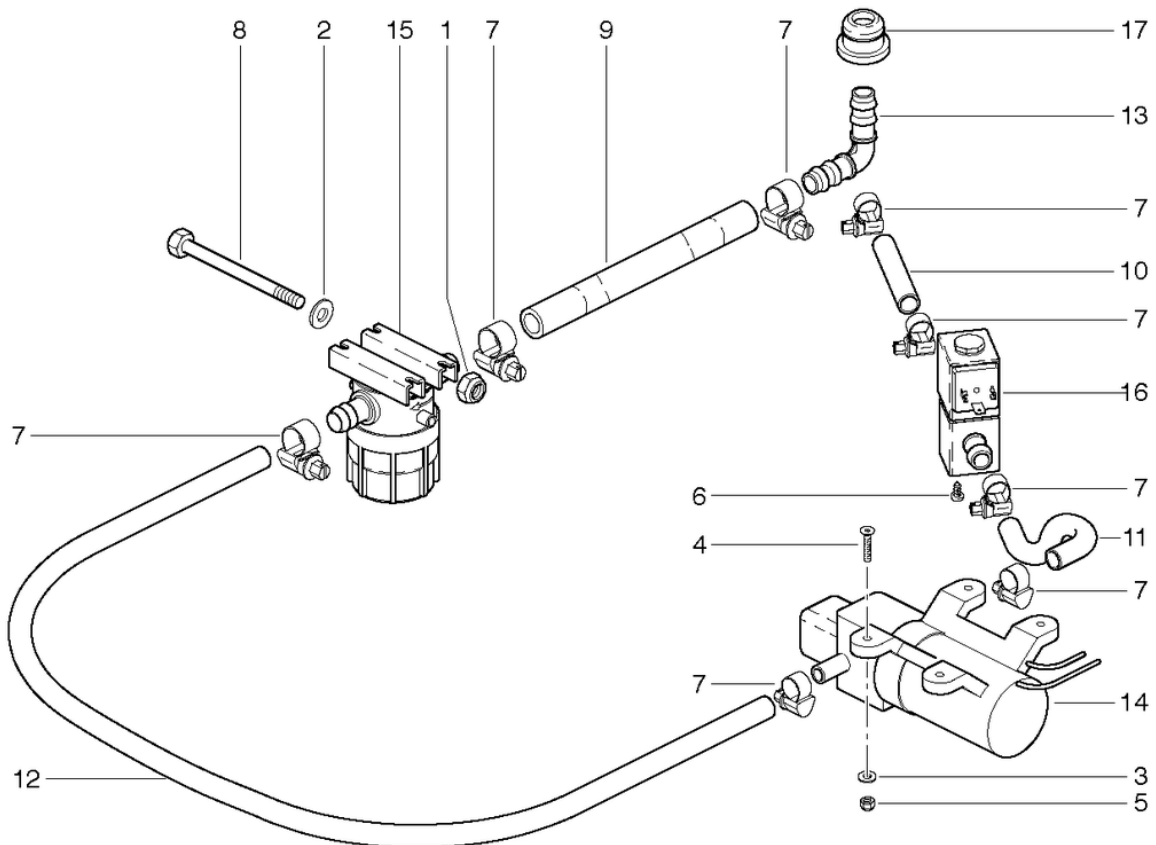
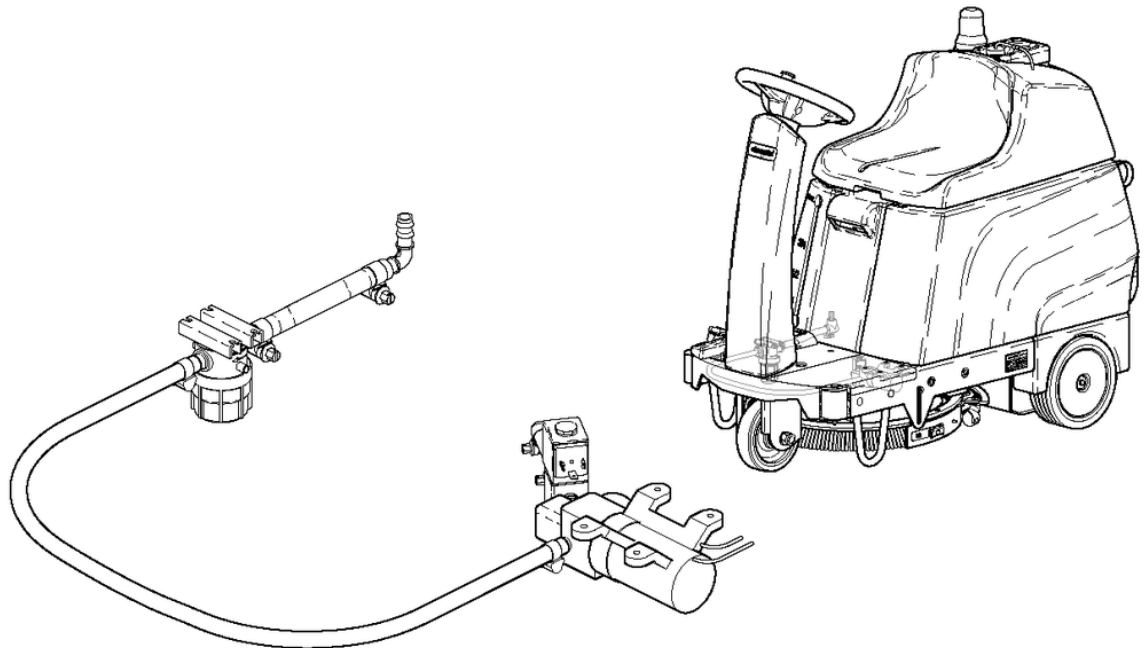
RA535 IBCT

Solution system (DISC)

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RA 535 IBCT



RA535 IBCT

Solution system (DISC)

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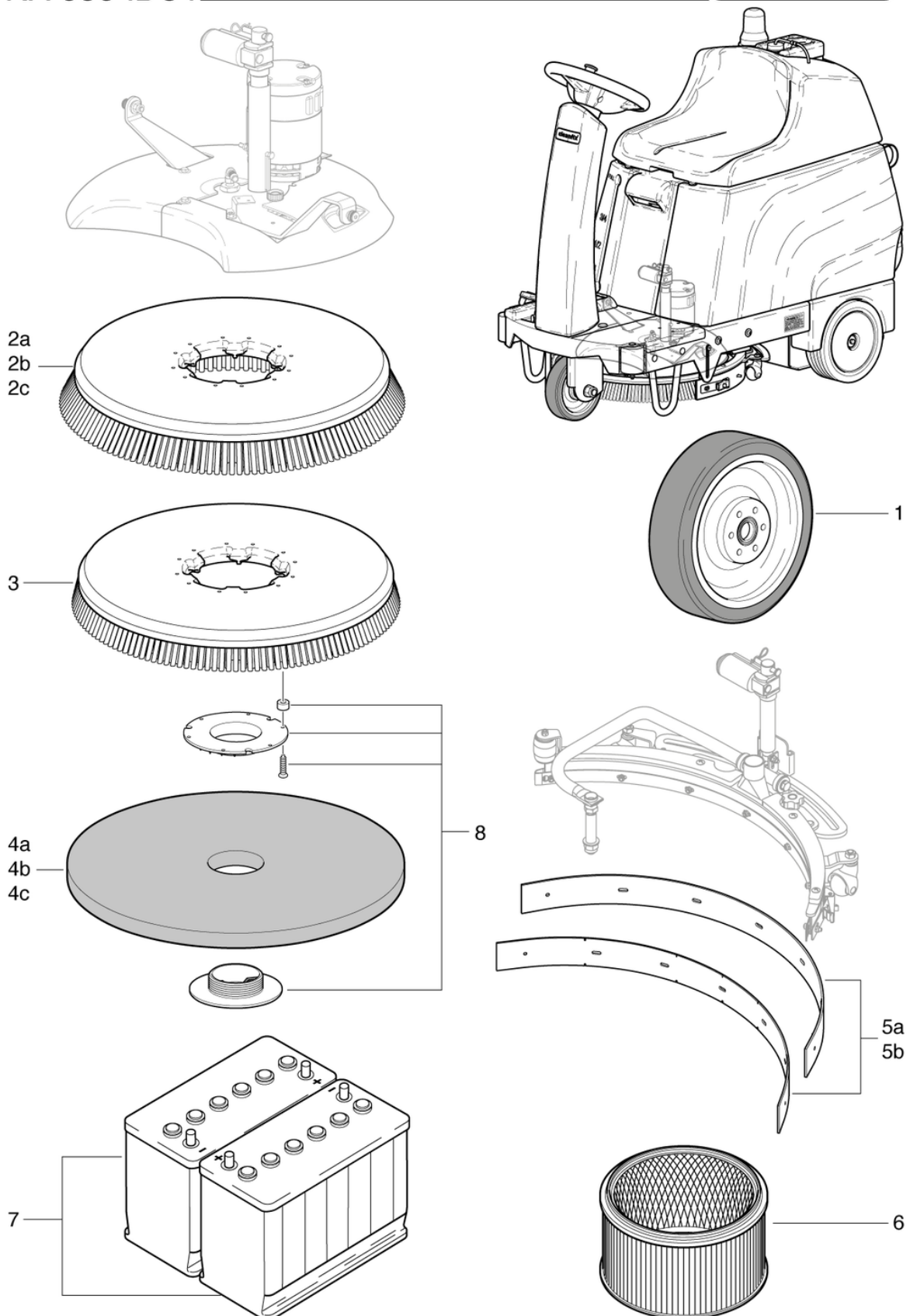
Pos.	Item no.	Spare part
1	P493K	Nut DIN 985 M6
2	P496L	Shim DIN 9021 M6 6,4/18/1,6
3	P496C	Shim DIN 9021 M4 4,3/12/1
4	P481A	Screw DIN 963 M4 x 20 Ms
6	P	Screw DIN 603 M8 x 110 (UNI 5731)
9	535.728	Hose
11	535.729	Hose
12	535.730	Hose
13	535.731	Elbow
14	535.732	Water Pump 24v
15	535.735	Filter
16	P258	Magnetic valve 24V
17	535.756	Rubber Seal Water Tank Outlet

RA535 IBCT

Accessoires

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RA 535 IBCT



RA535 IBCT

Accessoires

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Pos.	Item no.	Spare part
1	535.252	Drive wheel standard Supergrip yellow cpl.
2a	535.0595K	Scrubbing brush Ø 20 5K
2b	535.073	Exposed aggregate pavement brush
2c	535.059	Scrubbing brush Ø 20
3	535.070	Driving disc
4a	695.087.5	Standard Pad, red, Ø 508mm, 20 (5 pcs.)
4b	695.088.5	Standard Pad, blue, Ø 508mm, 20 (5 pcs.)
4c	695.089.5	Standard Pad, brown, Ø 508mm, 20 (5 pcs.)
5a	535.081	Squeegee Set grease and oil resistant
5b	535.083	Squeegee Set standard
6	535.450	Hepa filter cartridge
7	530.092	set of 2 gel batteries 12V/105 Ah (C5) Eternity
8	535.071	Center Lock 2-pces

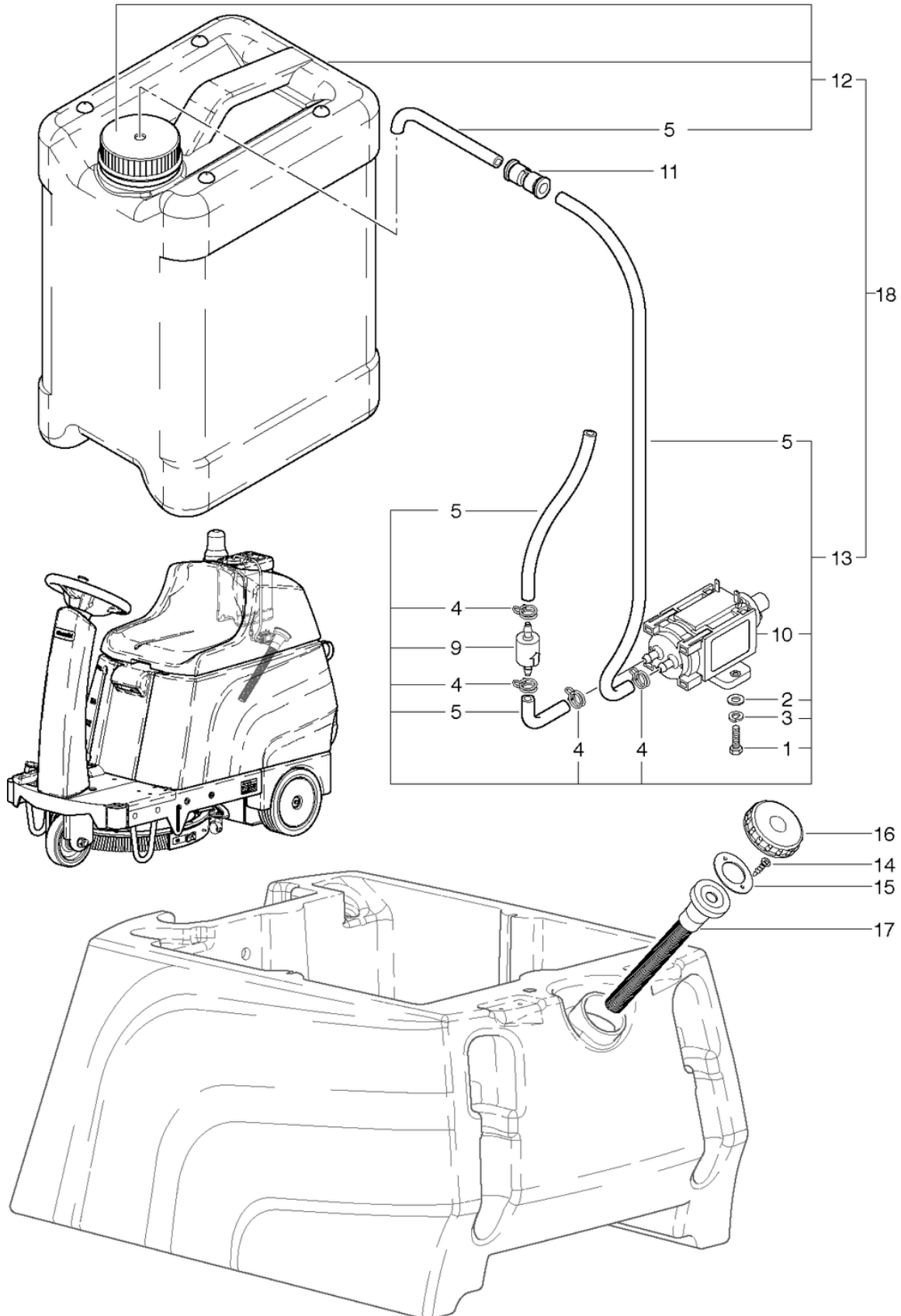
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Detergent system Optional

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Detergent system Optional

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Pos.	Item no.	Spare part
1	P475B	Screw DIN 85 A M3 x 12
2	P497Y	4/25/1
3	P499A	Washer DIN 6798 M3 3,2
4	535.104	Band
5	535.109	silicon hose
9	535.103	Dosing Valve
10	535.101	Pump
11	565.435	Connection Piece
12	565.535	Canister 5l empty
13	535.102	pump kit for chemistry dose
14	P	Screw DIN 603 M8 x 110 (UNI 5731)
15	535.111	fresh water fill hose holtering
16	535.812A	Tank cap including hole
17	535.110	water fil hose

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Wiring diagram

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