



Electronic Service Manuals

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Parts Manual

Kleen Sweep 32R

Rider Sweeper

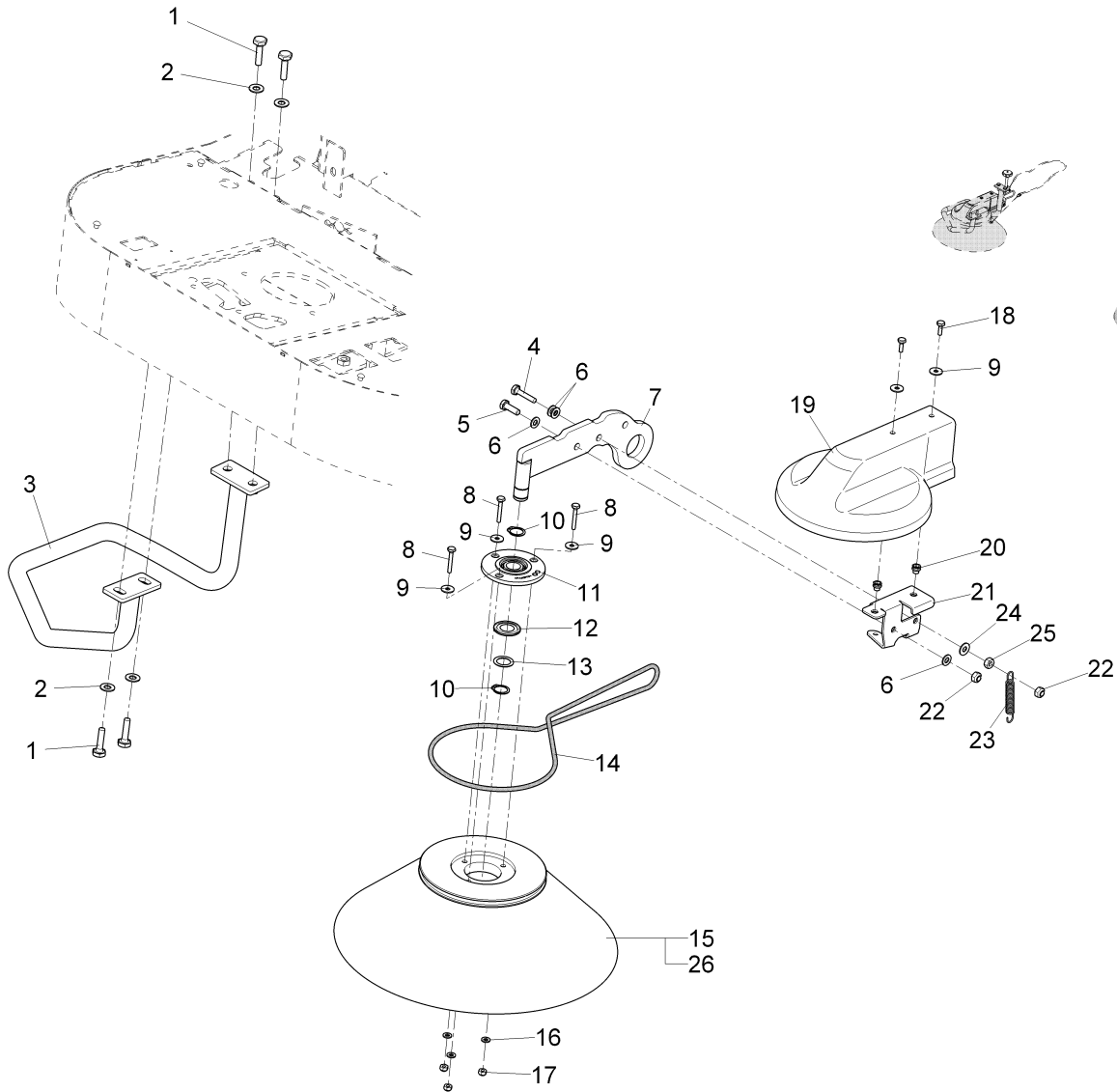
For Safety When Servicing or Maintaining Machine

- Stop on level surface.
- Disconnect the power to the machine by pulling the red Battery Connector located under the recovery tank near the batteries.
- Avoid moving parts. Do not wear loose jackets, shirts, or sleeves when working on machine.
- Avoid contact with battery acid. Battery acid can cause burns. When working on or around batteries, wear protective clothing and safety glasses. Remove metal jewelry. Do not lay tools or metal objects on top of batteries.
- Do not clean machine with a pressure washer.
- Authorized personnel must perform repairs and maintenance. Use Minuteman supplied replacement parts.

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Side broom R.H., part 1
Rev.* 07/13



Side broom R.H., part 1 (97114847-1)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00123690	Hex.bolt	4	PC	
2	00870090	Detent edged washer	4	PC	
3	01136140	Bracket R.H.	1	PC	
4	00054690	Hexagon screw	1	PC	
5	00053100	Hexagon screw	1	PC	
6	00053750	Washer	4	PC	
7	01179670	Side broom arm	1	PC	
8	00053290	Hexagon screw	3	PC	
9	00135120	Washer	5	PC	
10	00054310	Retaining ring	2	PC	
11	01173010	Flange bearing	1	PC	
12	00537310	Ring	1	PC	
13	00153700	Adjusting washer	1	PC	
14	01179690	Round belt	1	PC	
15	01270920	Side broom PES	1	PC	
16	00053730	Washer	3	PC	
17	00051520	Hex. Nut	3	PC	
18	00053010	Hex.bolt	2	PC	
19	01179650	Covering	1	PC	
20	01271300	Nut	2	PC	
21	01179660	Roll holder	1	PC	
22	00051510	Hex. Nut	2	PC	
23	00705310	Tension spring	1	PC	
24	00740090	Detent edged washer	1	PC	
25	00053350	Hex. Nut	1	PC	
26	01270970	Side broom PA	1	PC	



Side broom R.H., part 2 (97114847-2)
Rev.* 07/13

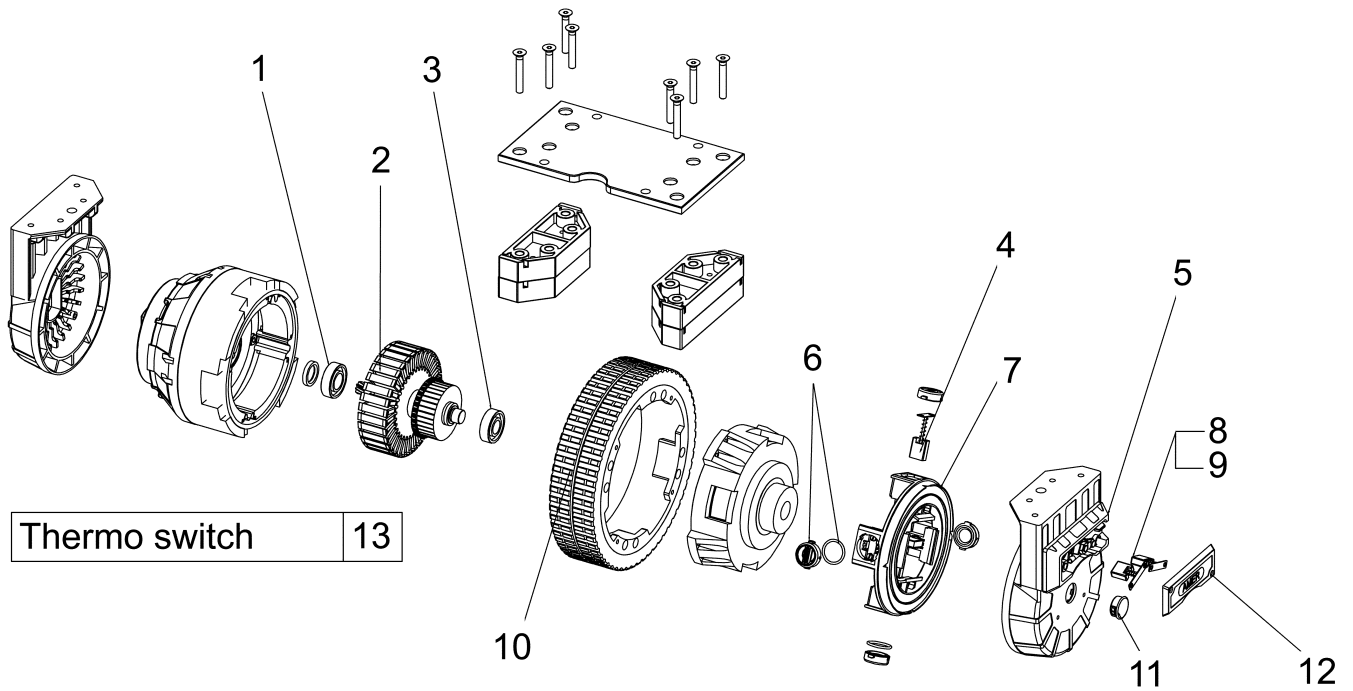
Item	Spare part number	Description	Qty.	Unit	Remarks
1	00109500	Countersunk screw	1	PC	
2	01160640	Countersunk screw	1	PC	
3	00106300	Deep groove ball bearing	1	PC	
4	00053760	Washer	1	PC	
5	00047080	Washer	1	PC	
6	00046520	Washer	1	PC	
7	00051500	Hex. Nut	1	PC	
8	00053730	Washer	17	PC	
9	01271310	Bushing	1	PC	
10	00051520	Hex. Nut	6	PC	
11	00522330	Hand wheel	1	PC	
12	01271280	Adjusting pipe	1	PC	
13	00154070	Hex.bolt	1	PC	
14	01271290	Adjusting rod	1	PC	
15	01136290	Bowden cable	1	PC	
16	01175800	Grooved ball bearing	2	PC	
17	01179700	Deflection roller	2	PC	
18	01093180	Countersunk screw	1	PC	
19	00136910	Cylinder head screw	1	PC	
20	00508990	Countersunk screw	1	PC	



Front wheel drive (97114888)
Rev.* 07/13

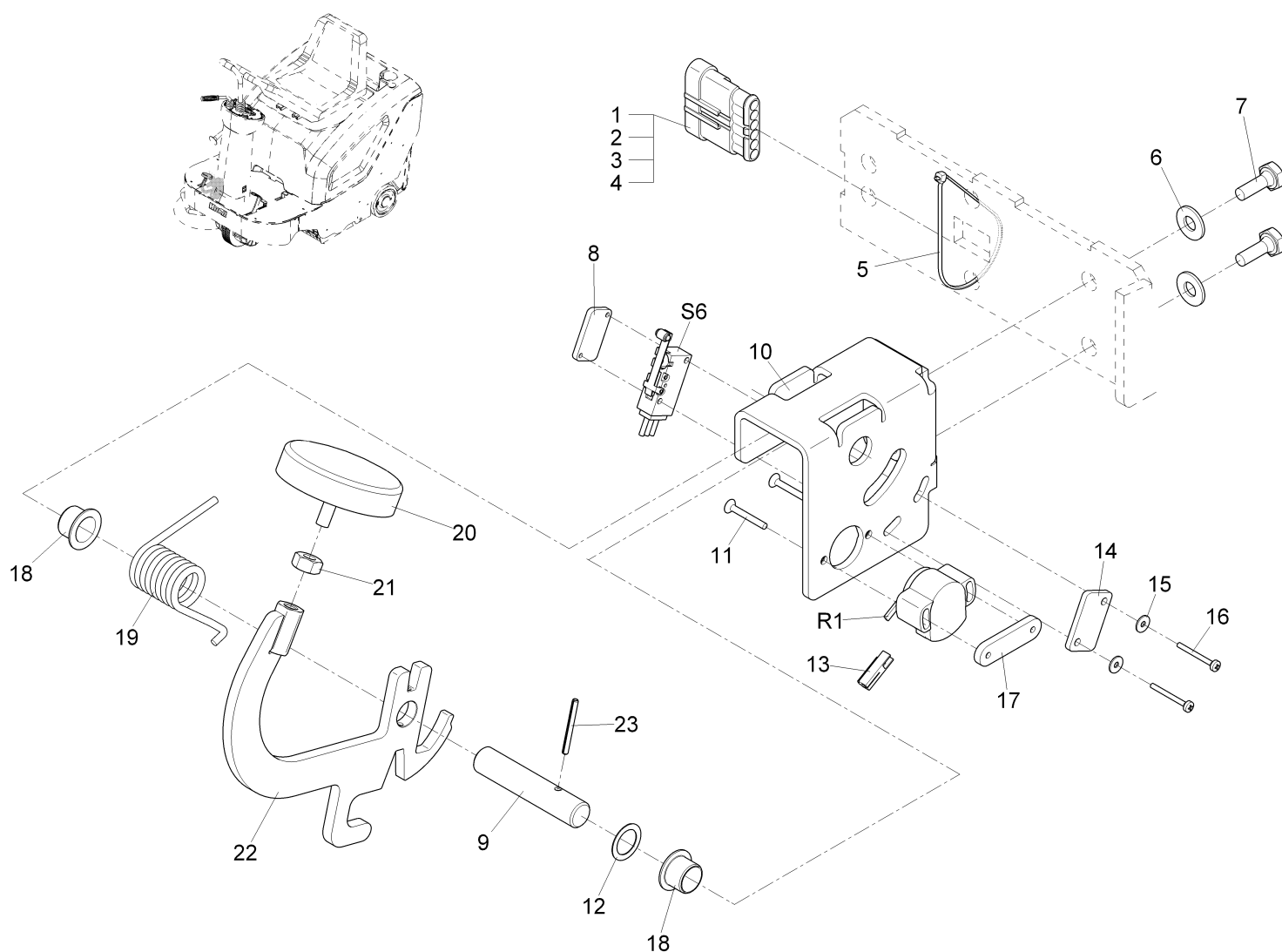
Item	Spare part number	Description	Qty.	Unit	Remarks
1	00135030	Socket head screw	1	PC	
2	00870090	Detent edged washer	11	PC	
3	00053360	Hex. Nut	1	PC	
4	00872280	Cotter pin	1	PC	
5	00125430	Cylinder head screw	4	PC	
6	03003000	Transparency	1	PC	
7	01136200	Deflector bow	1	PC	
8	00967760	Cable tie	1	PC	
9	00053020	Hexagon screw	1	PC	
10	00740280	Washer	1	PC	
11	00902450	Tube clamp	1	PC	
12	00123690	Hex.bolt	6	PC	
13	01135800	Castle nut	1	PC	
14	01136360	Washer	1	PC	
15	01136130	Bearing plate	1	PC	
16	01130030	Nilos ring	1	PC	
17	00048410	Cone roller bearing	1	PC	
18	00137930	Cone roller bearing	1	PC	
19	00746270	Ring	1	PC	
20	01136150	Wheelmount	1	PC	
M1	01136270	Wheel drive MTR 250	Page	10	

Wheel drive MTR 250
Rev.* 07/13



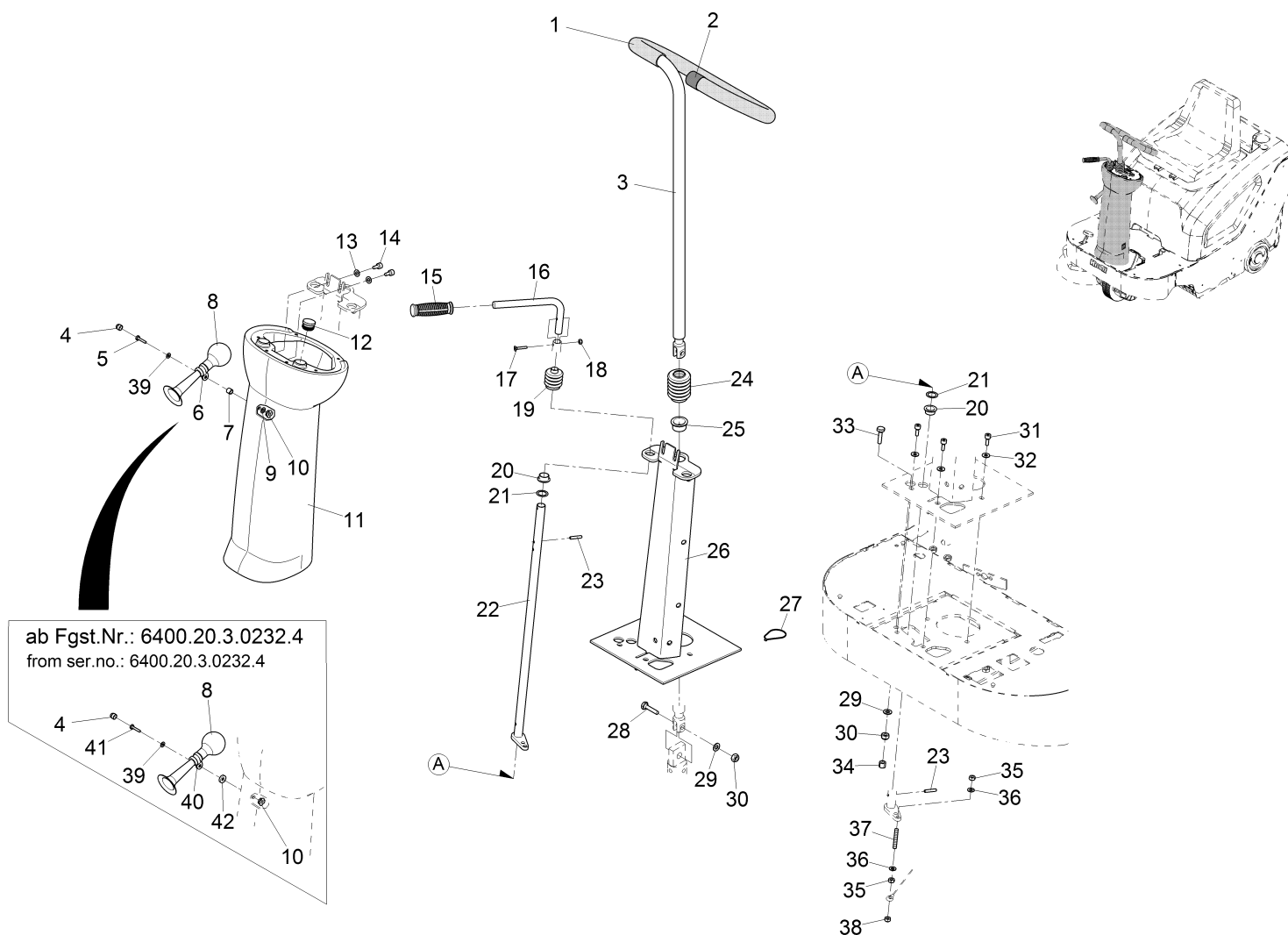
Wheel drive MTR 250 (01136270)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	01275790	Ball bearing	1	PC	
2	---	Spare part on request	1		Armature
3	01275820	Ball bearing	1	PC	
4	01073960	Carbon brush	4	PC	
5	01275510	Connecting box	1	PC	
6	01073950	Plug	1	PC	
7	01135730	Brush retainer ring	1	PC	
8	01131690	Carbon brush	2	PC	
9	01131680	Carbon brush holder	2	PC	
10	01073970	Wheel	1	PC	
11	01131700	Drain plug	1	PC	
12	01135520	Cap	1	PC	
13	01135530	Temperature switch	1	PC	



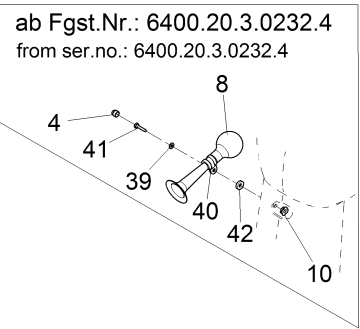
Accelerator (97120265)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	03003250	Pin housing	1	PC	
2	01006210	Pin contact	6	PC	
3	01006190	Seal	6	PC	
4	01066740	Insulating tube	120 mm	M	
5	00121150	Cable tie	1	PC	
6	00740090	Detent edged washer	2	PC	
7	00053090	Hexagon screw	2	PC	
8	01074840	Thread base plate	1	PC	
9	01071280	Shaft	1	PC	
10	01136320	Bracket	1	PC	
11	00737690	Countersunk screw	2	PC	
12	00906020	Adjusting washer	1	PC	
13	---	Spare part on request	1		90621152 Sliding block
14	01136330	Plate	1	PC	
15	00747400	Washer	2	PC	
16	00955210	Fillister-head screw	2	PC	
17	01074850	Thread base plate	1	PC	
18	01058400	Plain bearing bush	2	PC	
19	01073140	Leg spring	1	PC	
20	01071270	Sealing cover	1	PC	
21	00053350	Hex. Nut	1	PC	
22	01071260	Cam	1	PC	
23	01073260	Dowel pin	1	PC	
R1	00975500	Turn angle transmitter	1	PC	
S6	01136260	Micro switch	1	PC	



Steering (97114946)
Rev.* 07/13

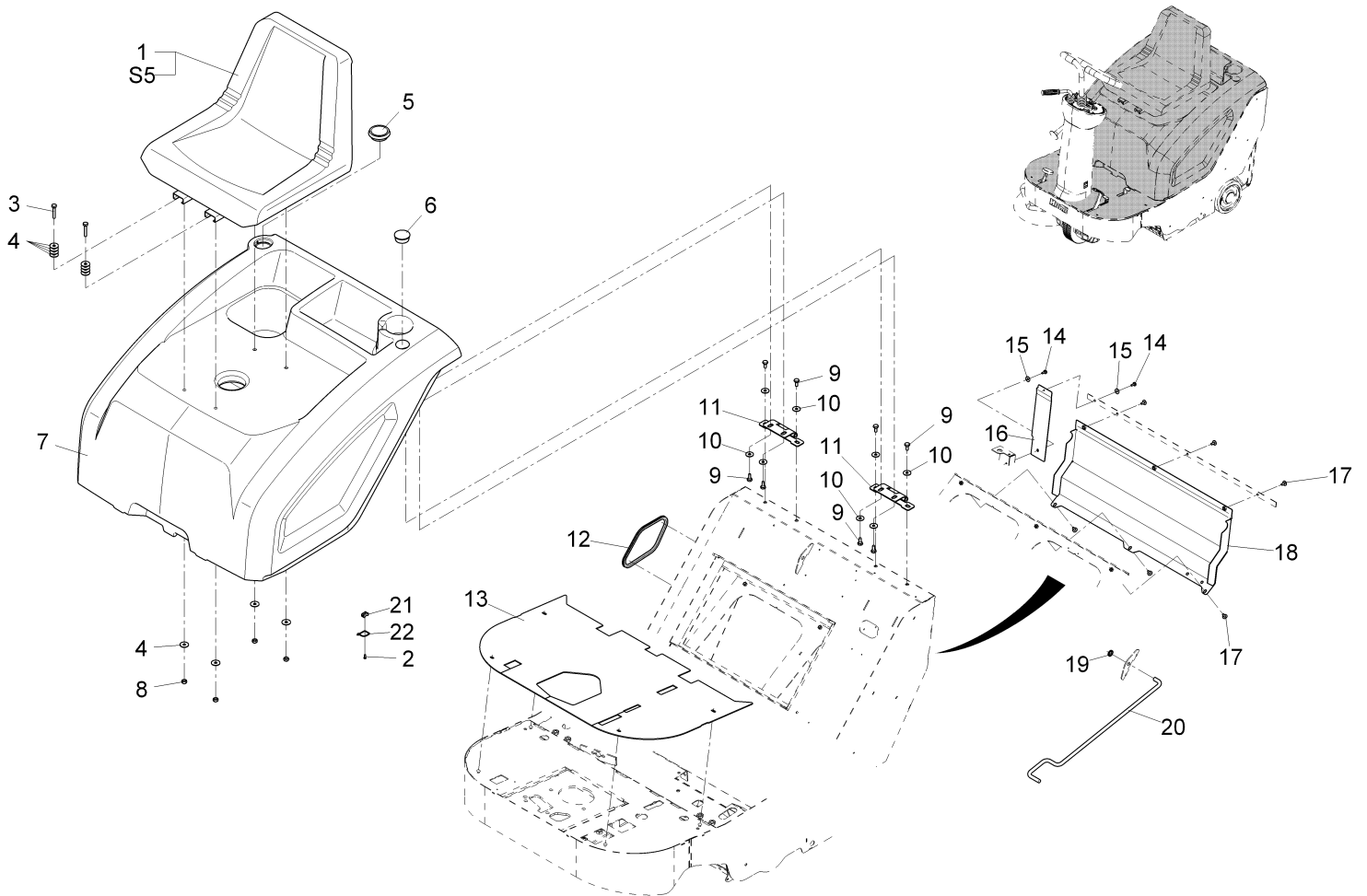
Item	Spare part number	Description	Qty.	Unit	Remarks
1	01133490	Soft-grip-hose	0,910	M	
2	01130370	Protective cap	1	PC	
3	01130360	Steering bar	1	PC	
4	00525910	Lens cap	1	PC	
5	00053030	Hexagon screw	1	PC	
6	00130250	Pipe clamp	1	PC	
7	00733400	Spacer sleeve	1	PC	
8	01132390	Bulb horn	1	PC	
9	00055590	Adjusting washer	1	PC	
10	01136370	Nut	1	PC	
11	01130450	Steering column	1	PC	
12	01136380	Sealing plug	1	PC	
13	00740080	Washer	2	PC	
14	00154410	Cylinder head screw	2	PC	
15	01130400	Handle	1	PC	
16	01130410	Arc	1	PC	
17	01093180	Countersunk screw	1	PC	
18	00051520	Hex. Nut	1	PC	
19	01130420	Bellows	1	PC	
20	01130470	Slide bearing bush	2	PC	
21	00046430	Adjusting washer	2	PC	
22	01130430	Control lever	1	PC	
23	00044160	Dowel pin	2	PC	
24	01054880	Bellows	1	PC	
25	01130460	Slide bearing bush	1	PC	
26	01136120	Steering carrier, cpl.	1	PC	
27	00121150	Cable tie	1	PC	
28	00053170	Hexagon screw	1	PC	
29	00053760	Washer	2	PC	
30	00051500	Hex. Nut	2	PC	
31	00045540	Cylinder head screw	4	PC	
32	00740090	Detent edged washer	4	PC	
33	00123690	Hex.bolt	1	PC	
34	01090960	Hose PVC	0,020	M	



Steering (97114946)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
35	00053350	Hex. Nut	2	PC	
36	00740310	Washer	2	PC	
37	01136310	Threaded pin	1	PC	
38	00051510	Hex. Nut	1	PC	
39	00053730	Washer	1	PC	
40	00970350	Pipe clamp	1	PC	
41	00053020	Hexagon screw	1	PC	
42	00695300	Washer	1	PC	

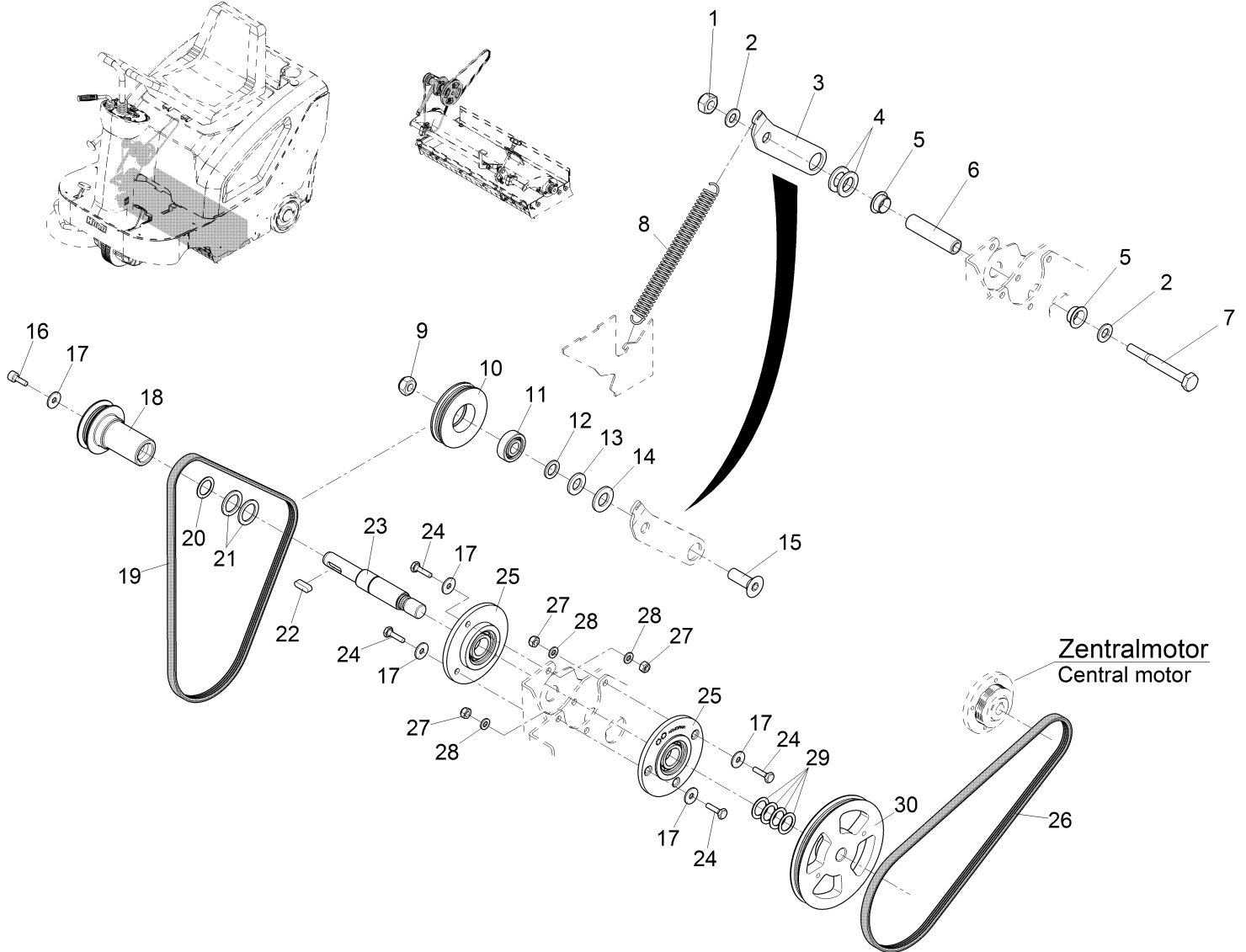
Seat group
Rev.* 07/13



Seat group (97123905)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	01130240	Seat	1	PC	
2	01177340	Screw	7	PC	
3	00133700	Hexagon screw	4	PC	
4	00042900	Washer	20	PC	
5	01140650	Cap	1	PC	
6	00558380	Drain plug	1	PC	
7	---	Spare part on request	1		96140686 Seat console
8	00051510	Hex. Nut	4	PC	
9	00053080	Hexagon screw	8	PC	
10	00740080	Washer	8	PC	
11	01171900	Hinge	2	PC	
12	00721090	Edge protection	440 mm	M	
13	01136040	Mat	1	PC	
14	00959220	Screw	2	PC	
15	00555520	Washer	2	PC	
16	01136390	Cover plate	1	PC	
17	01000850	Lens flange screw	6	PC	
18	01136400	Covering	1	PC	
19	00852380	Thrust washer	1	PC	
20	01136080	Bracket	1	PC	
21	00780710	Socket	7	PC	
22	00121150	Cable tie	7	PC	
S5	01134330	seat contact switch	1	PC	

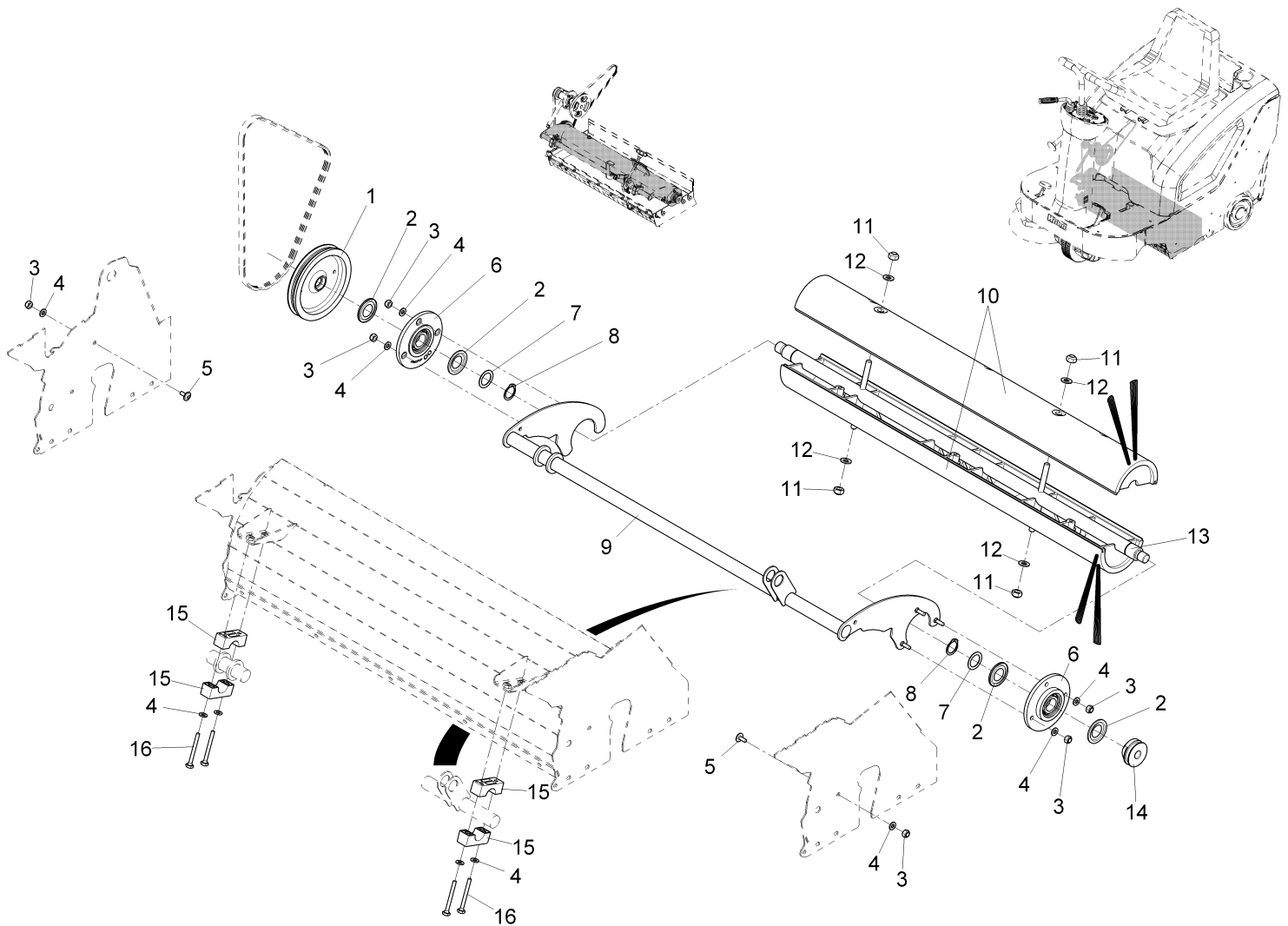
Group of main sweeper roller, part 1
Rev.* 07/13



Group of main sweeper roller, part 1 (97114854-1)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00051500	Hex. Nut	1	PC	
2	00053760	Washer	2	PC	
3	01179770	Clamping lever	1	PC	
4	00127290	Washer	2	PC	
5	01055290	Plain bearing bush	2	PC	
6	01271480	Bearing bush	1	PC	
7	00157410	Hex.bolt	1	PC	
8	01130130	Pull spring	1	PC	
9	00051490	Hex. Nut	1	PC	
10	01152600	Pulley	1	PC	
11	00126330	Deep groove ball bearing	1	PC	
12	00156720	Washer	1	PC	
13	00053770	Washer	1	PC	
14	00053780	Washer	1	PC	
15	00734400	Countersunk screw	1	PC	
16	00136910	Cylinder head screw	1	PC	
17	00135120	Washer	7	PC	
18	01179760	Belt pulley	1	PC	
19	01176250	Ribbed band	1	PC	
20	00153700	Adjusting washer	1	PC	
21	00136510	Supporting ring	2	PC	
22	00121640	Feather key	1	PC	
23	01271460	Shaft	1	PC	
24	00053020	Hexagon screw	6	PC	
25	01173010	Flange bearing	2	PC	
26	01179730	Ribbed band	1	PC	
27	00051520	Hex. Nut	6	PC	
28	00053730	Washer	6	PC	
29	00155180	Adjusting washer	4	PC	
30	01179750	Belt pulley	1	PC	

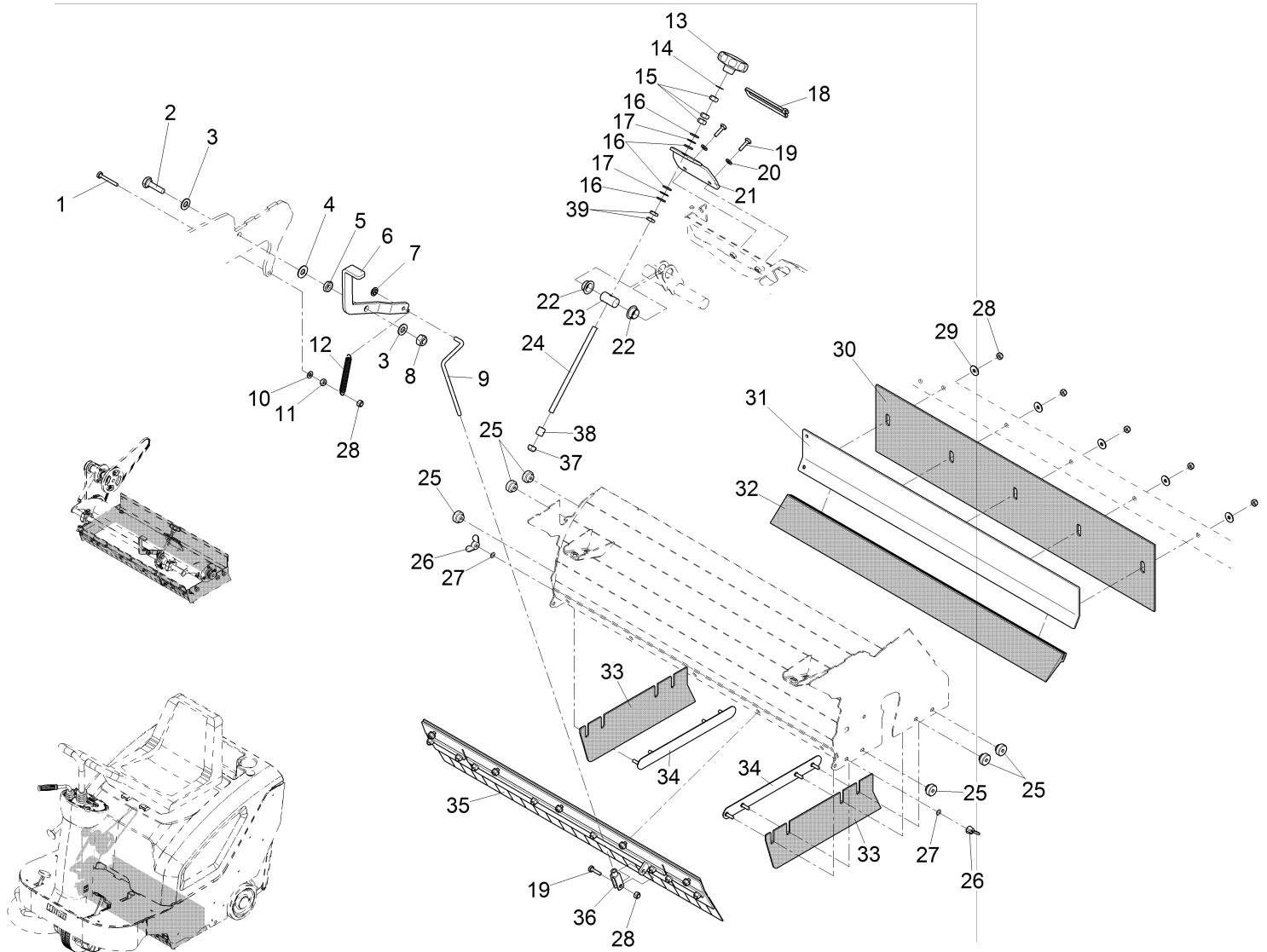
Group of main sweeper roller, part 2
Rev.* 07/13



Group of main sweeper roller, part 2 (97114854-2)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	01271040	Belt pulley	1	PC	
2	00537310	Ring	4	PC	
3	00051520	Hex. Nut	8	PC	
4	00053730	Washer	12	PC	
5	01000850	Lens flange screw	3	PC	
6	01173010	Flange bearing	2	PC	
7	00153700	Adjusting washer	2	PC	
8	00054310	Retaining ring	2	PC	
9	01136160	Broom rocker	1	PC	
10	01136350	Sweeper roller	1	PC	includes both half-shells
11	00051510	Hex. Nut	4	PC	
12	00053750	Washer	4	PC	
13	01136220	Broom shaft	1	PC	
14	01136050	Belt pulley	1	PC	
15	01271360	Bearing seat	4	PC	
16	00053060	Hex.bolt	4	PC	

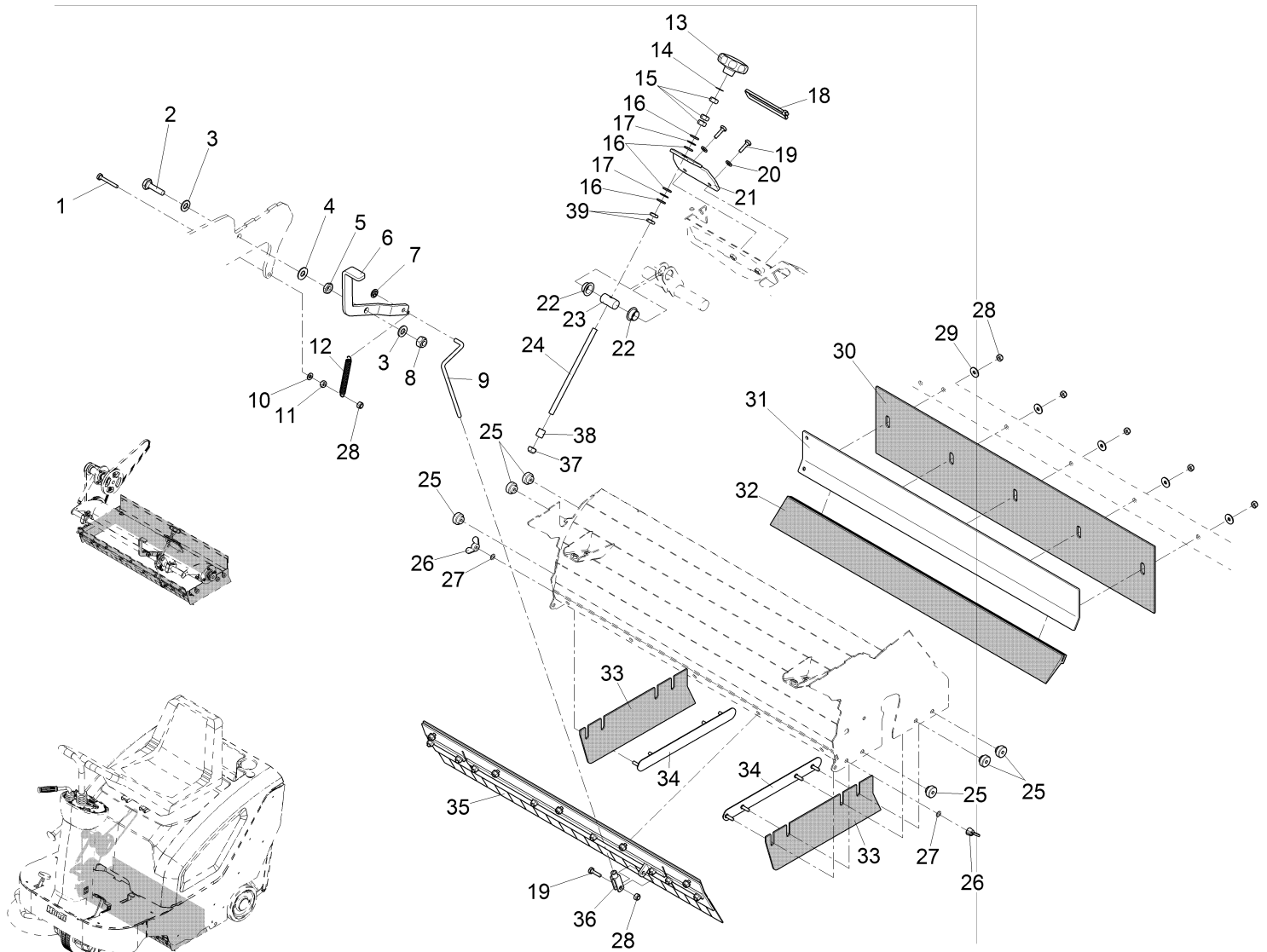
Group of main sweeper roller, part 3
Rev.* 07/13



Group of main sweeper roller, part 3 (97114854-3)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00053050	Hex.bolt	1	PC	
2	00123690	Hex.bolt	1	PC	
3	00053760	Washer	2	PC	
4	00740290	Detent edged washer	1	PC	
5	00074710	Hex. Nut	1	PC	
6	01136020	Pedal	1	PC	
7	00023290	Thrust washer	1	PC	
8	00051500	Hex. Nut	1	PC	
9	01136010	Bracket	1	PC	
10	00740280	Washer	1	PC	
11	00053330	Hex. Nut	1	PC	
12	00536950	Tension spring	1	PC	
13	00480430	Hand wheel	1	PC	
14	00959240	Lock washer	1	PC	
15	00053350	Hex. Nut	2	PC	
16	00053750	Washer	4	PC	
17	00053850	Spring washer	2	PC	
18	00967760	Cable tie	1	PC	
19	00053020	Hexagon screw	3	PC	
20	00053730	Washer	2	PC	
21	01136030	Mounting link	1	PC	
22	01055290	Plain bearing bush	2	PC	
23	01136100	Bolt	1	PC	
24	00740210	Threaded rod	1	PC	
25	00903210	Knurled nut	6	PC	
26	00054020	Wing nut	2	PC	
27	01072030	Toothed washer	2	PC	
28	00051520	Hex. Nut	7	PC	
29	00135120	Washer	5	PC	
30	01179620	Broom apron rear	1	PC	
31	01271970	Angle plate	1	PC	
32	00461460	Edge protection	0,670	M	
33	01179610	Sealing strip	2	PC	
34	01136410	Sheet metal	2	PC	

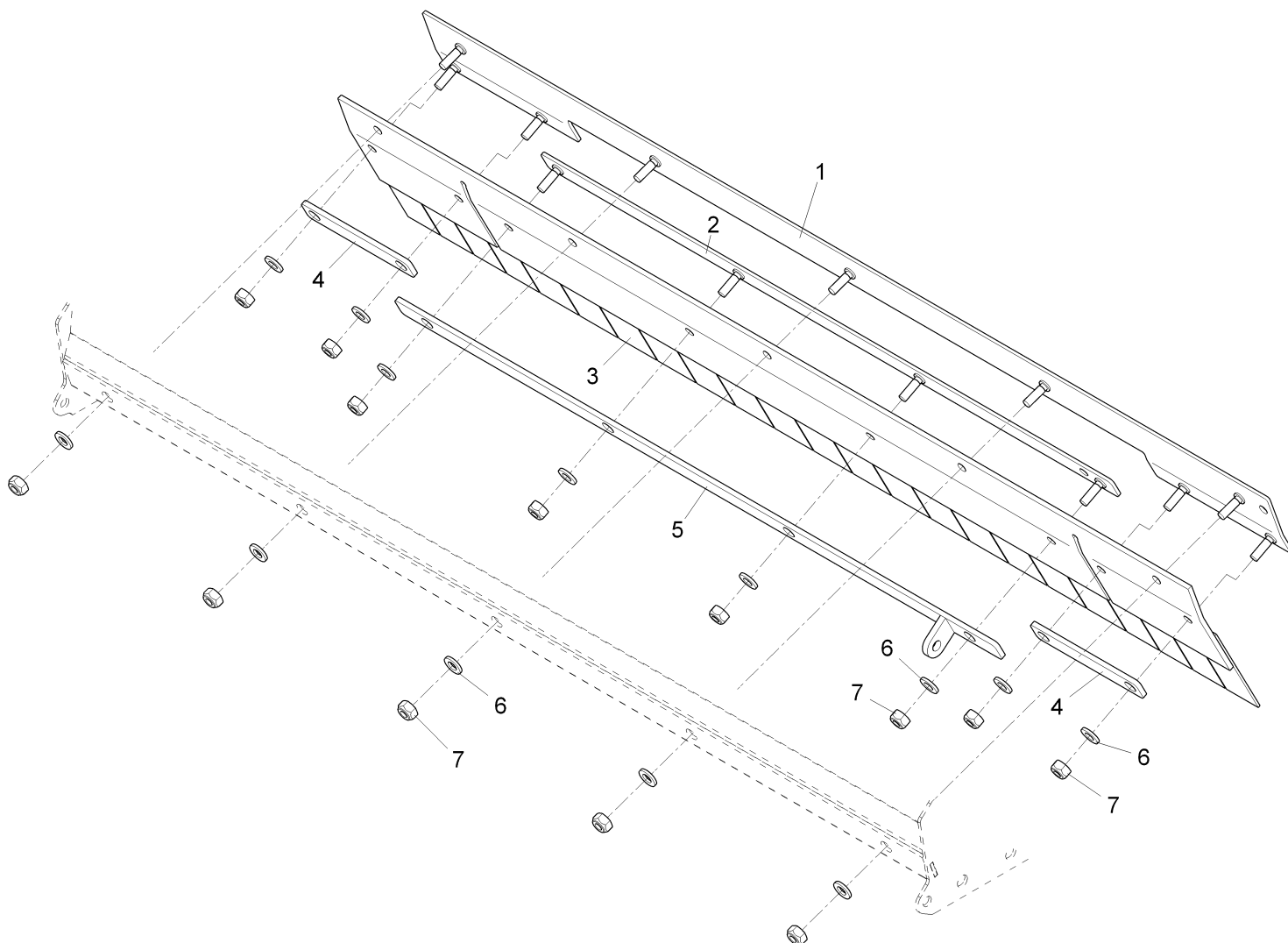
Group of main sweeper roller, part 3
Rev.* 07/13



Group of main sweeper roller, part 3 (97114854-3)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
35	97114961	Retractable apron	Page	28	
36	00851570	Fork yoke	1	PC	
37	00051510	Hex. Nut	1	PC	
38	01111390	Sleeve	1	PC	
39	00046500	Hex. Nut	2	PC	

Retractable apron
Rev.* 07/13



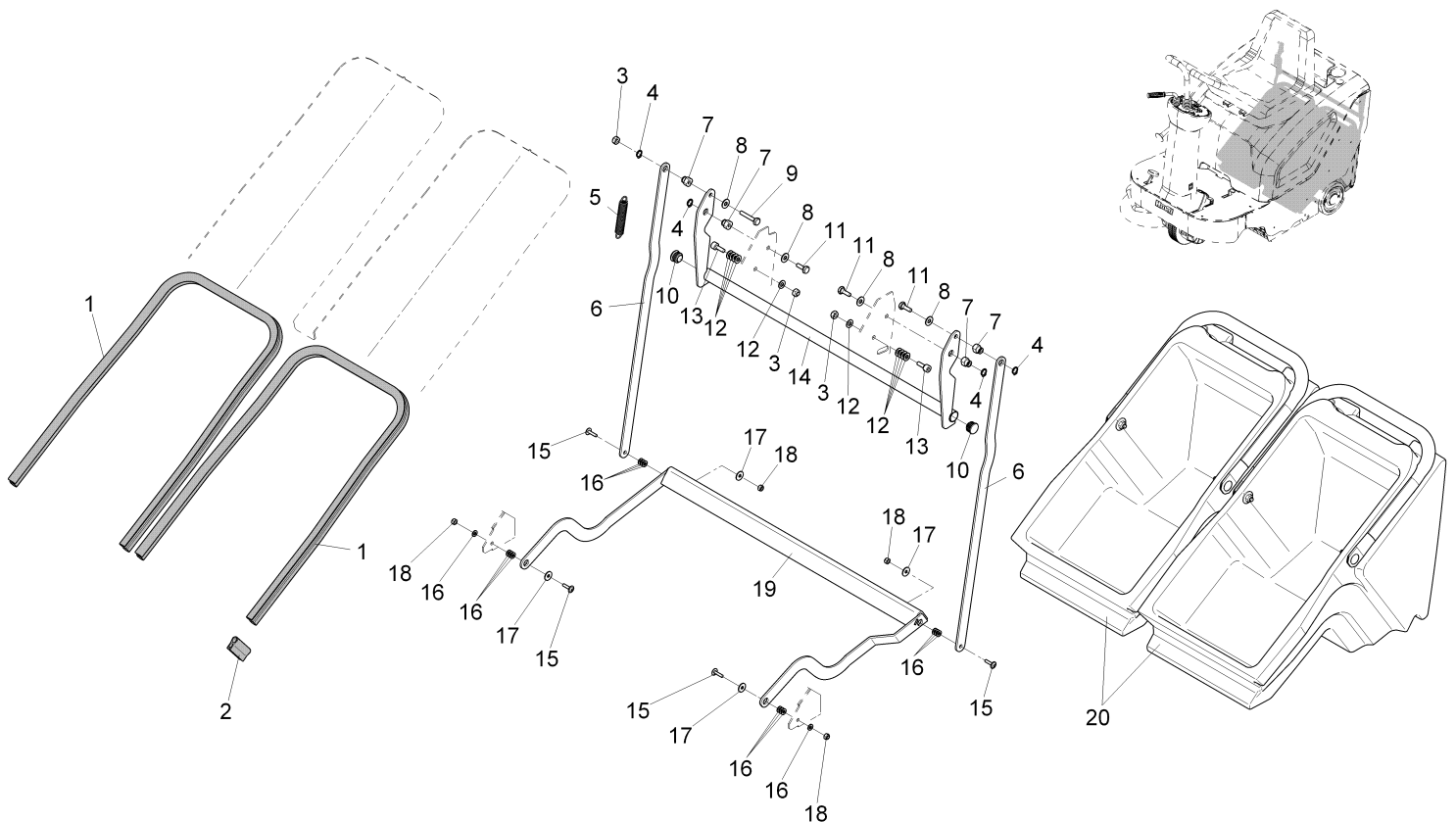
Retractable apron (97114961)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	01136420	Sheet metal	1	PC	
2	01136170	Holding plate	1	PC	
3	01136190	Broom apron front	1	PC	
4	01271990	Sheet metal	2	PC	
5	01136180	Sheet metal	1	PC	
6	00053730	Washer	13	PC	
7	00051520	Hex. Nut	13	PC	



Filter system E (97104806)
Rev.* 07/13

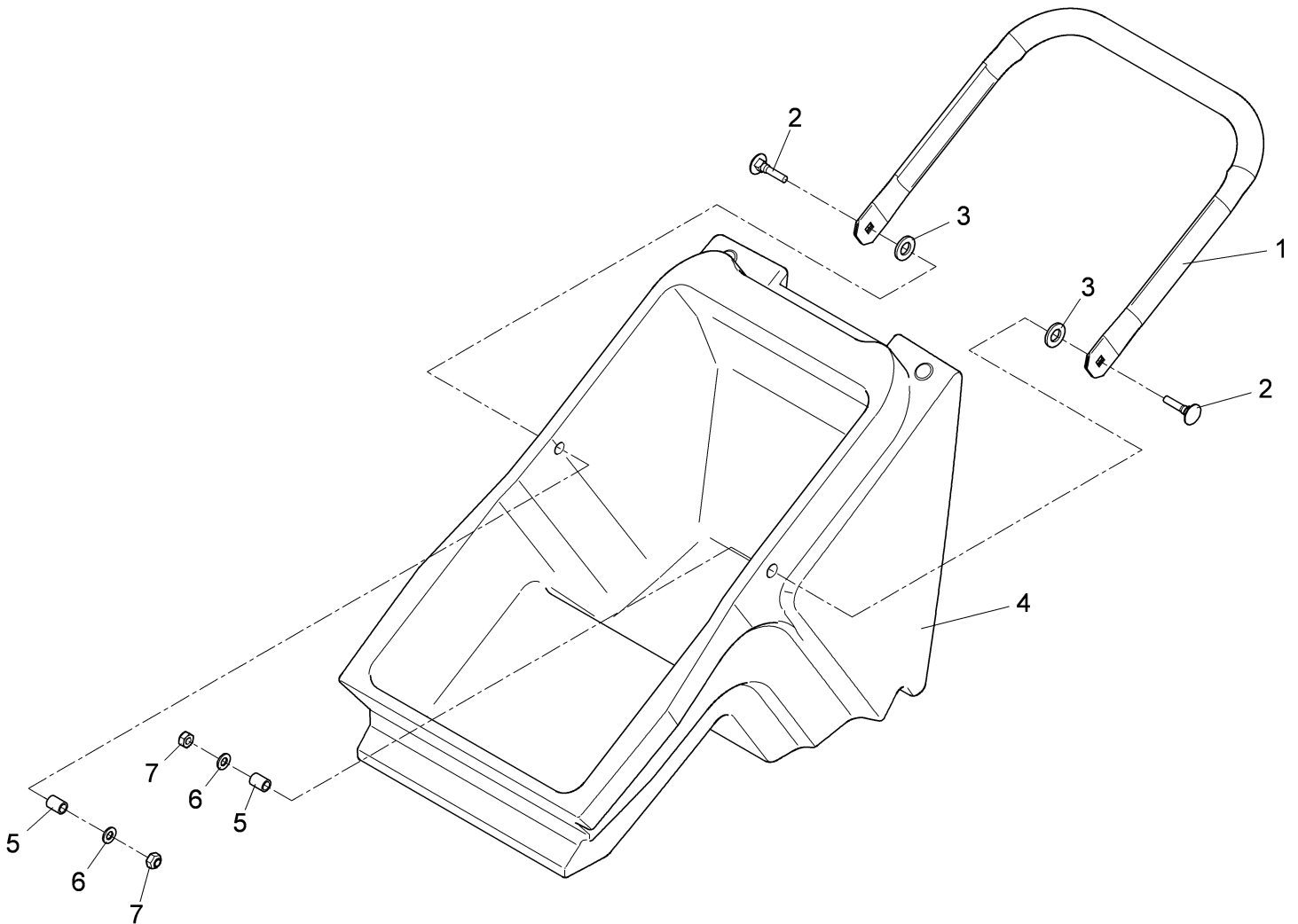
Item	Spare part number	Description	Qty.	Unit	Remarks
1	00391480	Air nozzle	1	PC	
2	01073600	Tapping screw	4	PC	
3	00903210	Knurled nut	2	PC	
4	01270940	Filter cover	1	PC	
5	00911850	Plate filter	1	PC	
6	00881980	Sealing tape	1580 mm	M	
7	00122230	Ball button	1	PC	
8	01271610	Slide bearing bush	2	PC	
9	01271690	Rod	1	PC	
10	00053750	Washer	3	PC	
11	00054860	Cotter pin	3	PC	
12	01271680	Washer	13	PC	
13	01271700	Bushing	12	PC	
14	01130200	Sealing band	1580 mm	M	
15	00053730	Washer	4	PC	
16	---	Spare part on request	2		11039807 Hex.bolt
17	00051520	Hex. Nut	4	PC	
18	00968190	Toggle	2	PC	
19	00053330	Hex. Nut	2	PC	
20	00740280	Washer	2	PC	



Dirt hopper (97114862)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00750430	Edge protection	2630 mm	M	
2	01052820	Edge protection	60 mm	M	
3	00051510	Hex. Nut	3	PC	
4	00072440	Circlip	4	PC	
5	01130130	Pull spring	1	PC	
6	01136430	Truss	2	PC	
7	01136070	Pivot	4	PC	
8	00740090	Detent edged washer	4	PC	
9	00133700	Hexagon screw	1	PC	
10	01136440	Sealing plug	2	PC	
11	00053090	Hexagon screw	3	PC	
12	00053750	Washer	10	PC	
13	00045540	Cylinder head screw	2	PC	
14	01136230	Handle	1	PC	
15	01092780	Lens flange screw	4	PC	
16	00053730	Washer	14	PC	
17	00135120	Washer	4	PC	
18	00051520	Hex. Nut	4	PC	
19	01179530	Lever	1	PC	
20	97104715	Hopper cpl.	Page	34	

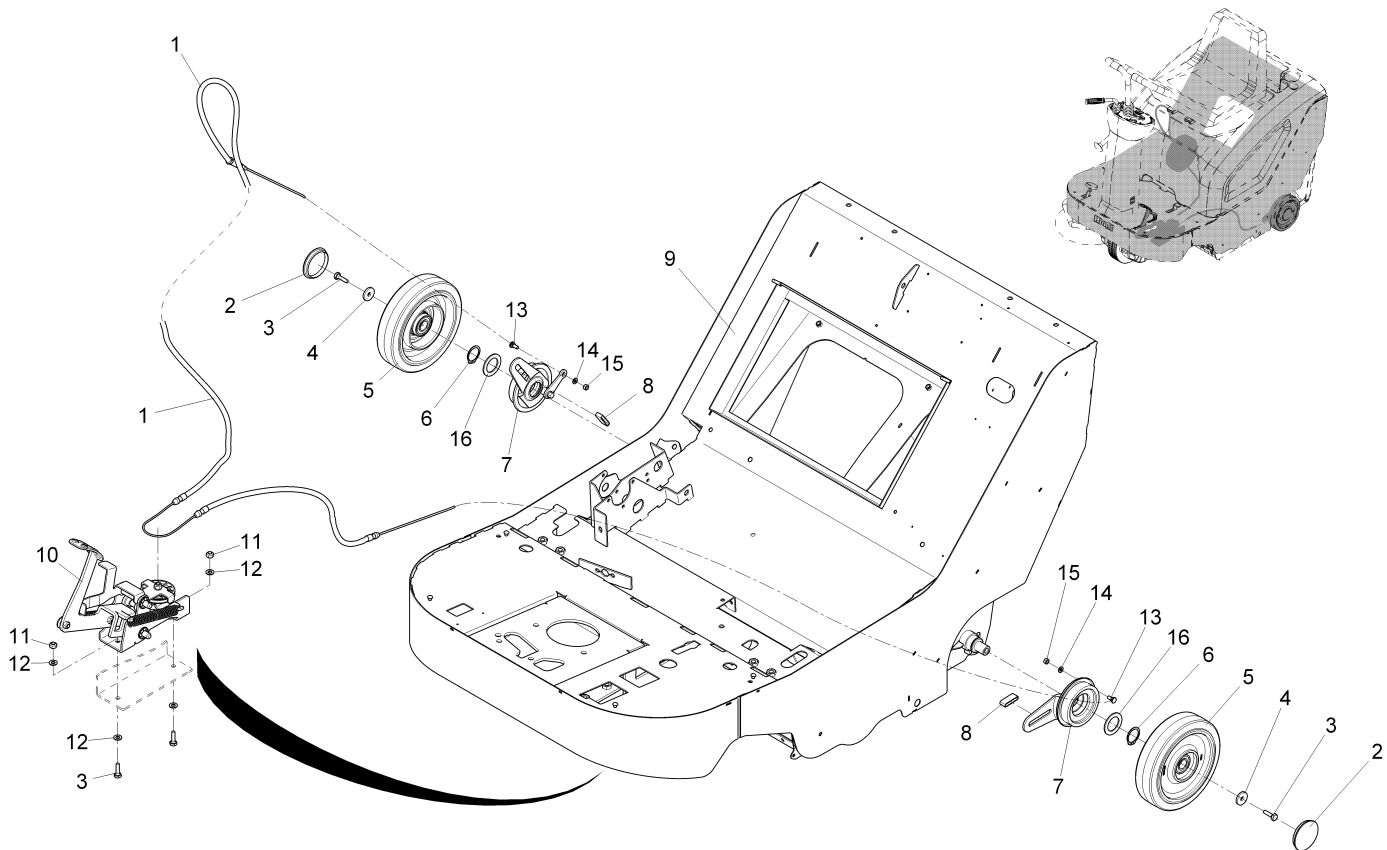
Hopper cpl.
Rev.* 07/13



Hopper cpl. (97104715)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	01179510	Tube bow	1	PC	
2	00078920	Screw	2	PC	
3	00053770	Washer	2	PC	
4	01179520	Litter hopper	1	PC	
5	01130170	Bushing	2	PC	
6	00042900	Washer	2	PC	
7	00051510	Hex. Nut	2	PC	

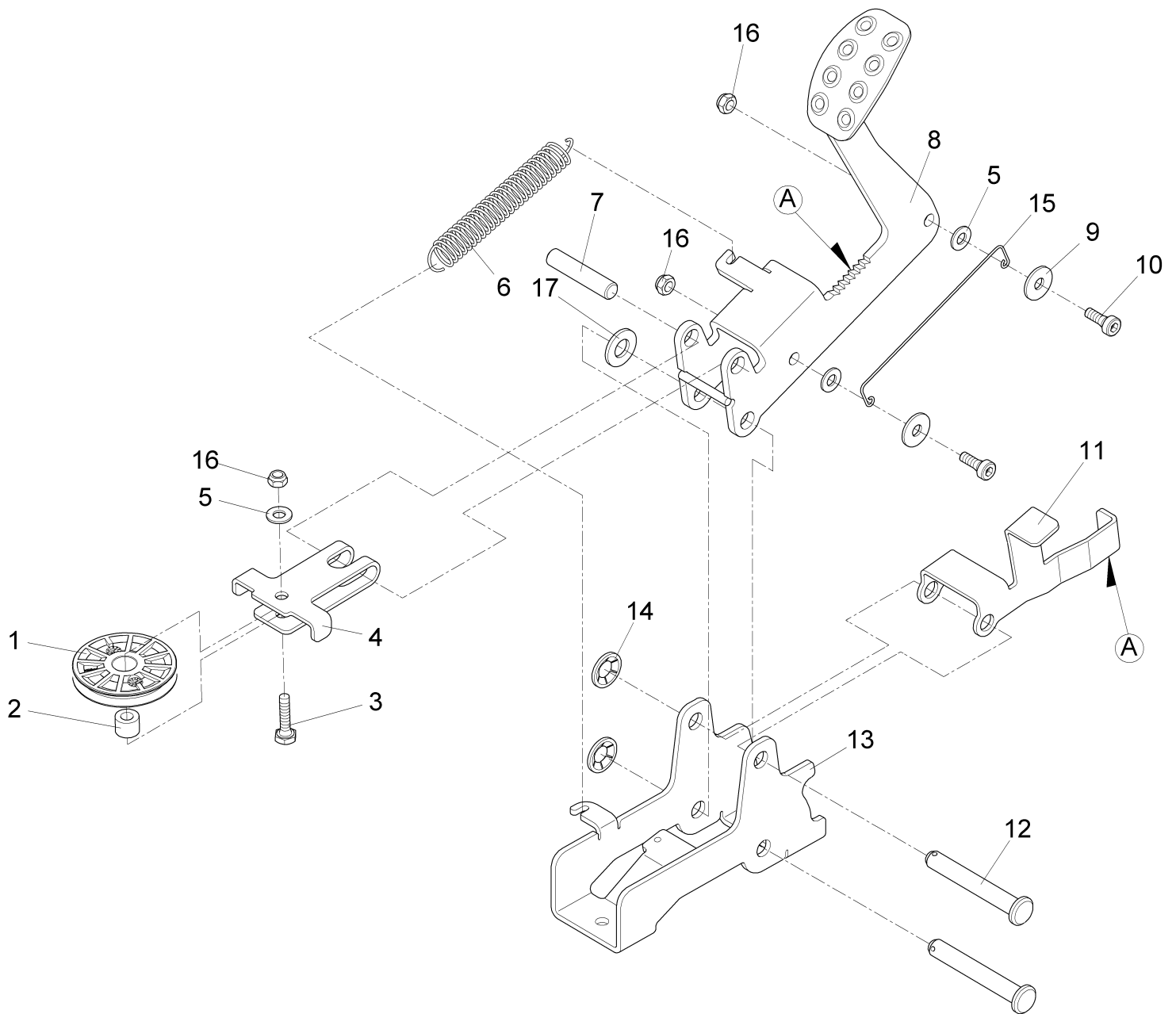
Frame - Rear wheels
Rev.* 07/13



Frame - Rear wheels (97114813)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	01136280	Brake cable	1	PC	
2	01112100	Sealing plug	2	PC	
3	00053100	Hexagon screw	4	PC	
4	00879170	Washer	2	PC	
5	01136110	Wheel	2	PC	
6	00863220	Retaining ring	2	PC	
7	01131080	Brake	1	PC	
8	01074240	Cap	2	PC	
9	03011100	Chassis (JONAS 800)	1	PC	
10	97077358	Brake pedal cpl.	Page	38	
11	00051510	Hex. Nut	2	PC	
12	00053750	Washer	4	PC	
13	01133970	clamping screw	1	PC	
14	00053730	Washer	1	PC	
15	00053330	Hex. Nut	1	PC	
16	01133960	washer	1	PC	

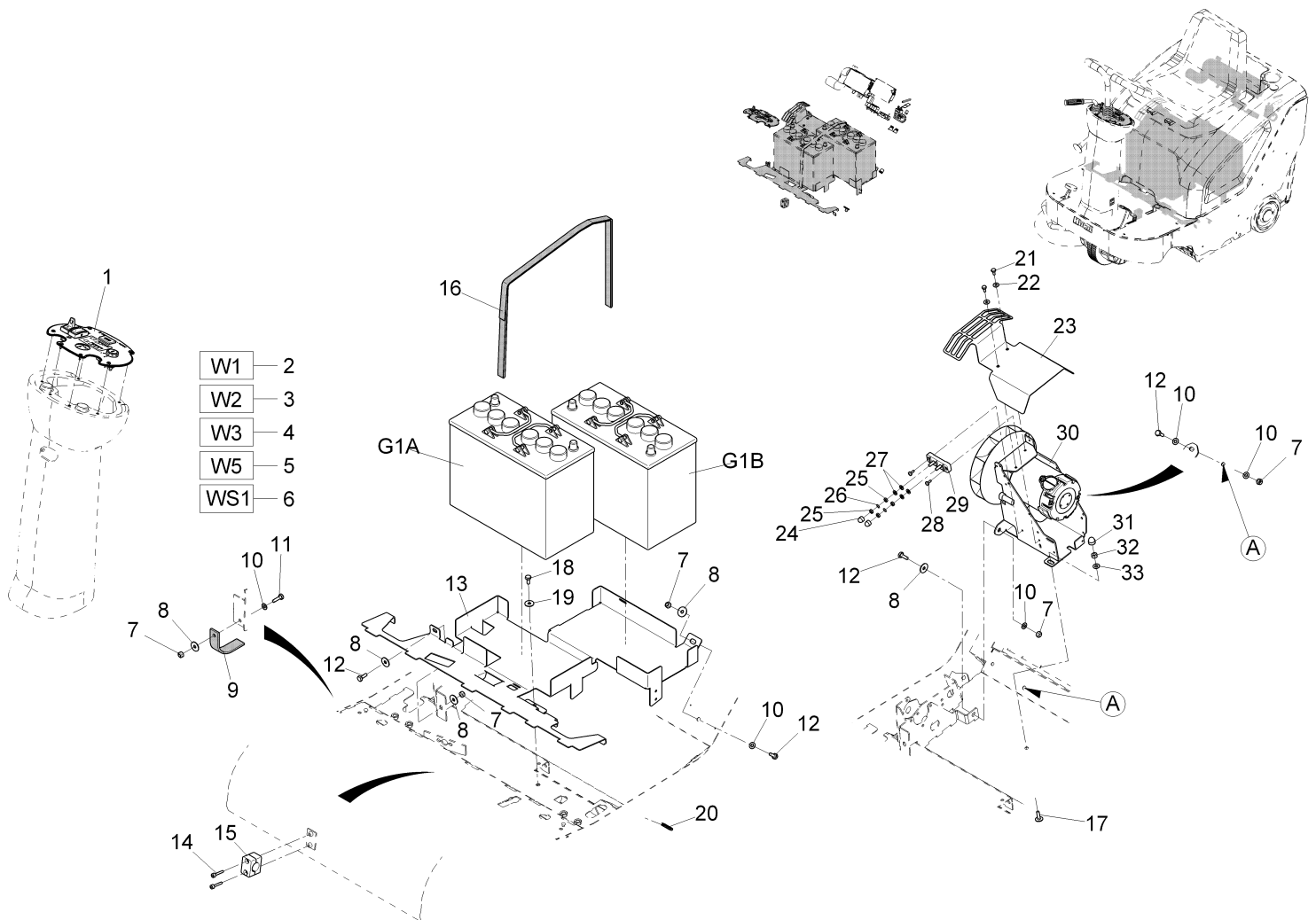
Brake pedal cpl.
Rev.* 07/13



Brake pedal cpl. (97077358)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00521270	Roller	1	PC	
2	00974400	Bushing	1	PC	
3	00053110	Hexagon screw	1	PC	
4	03003170	Handle	1	PC	
5	00053750	Washer	3	PC	
6	01055930	Tension spring	1	PC	
7	01130330	Bolt	1	PC	
8	01130320	Pedal brake	1	PC	
9	00042900	Washer	2	PC	
10	00124290	Cylinder head screw	2	PC	
11	01130340	Barrier lever	1	PC	
12	00879630	Bolt	2	PC	
13	03003180	Bracket	1	PC	
14	00706180	Thrust washer	2	PC	
15	00854270	Handle	1	PC	
16	00051510	Hex. Nut	3	PC	
17	00555130	Sealing ring	1	PC	

Electric equipment, part 1
Rev.* 07/13

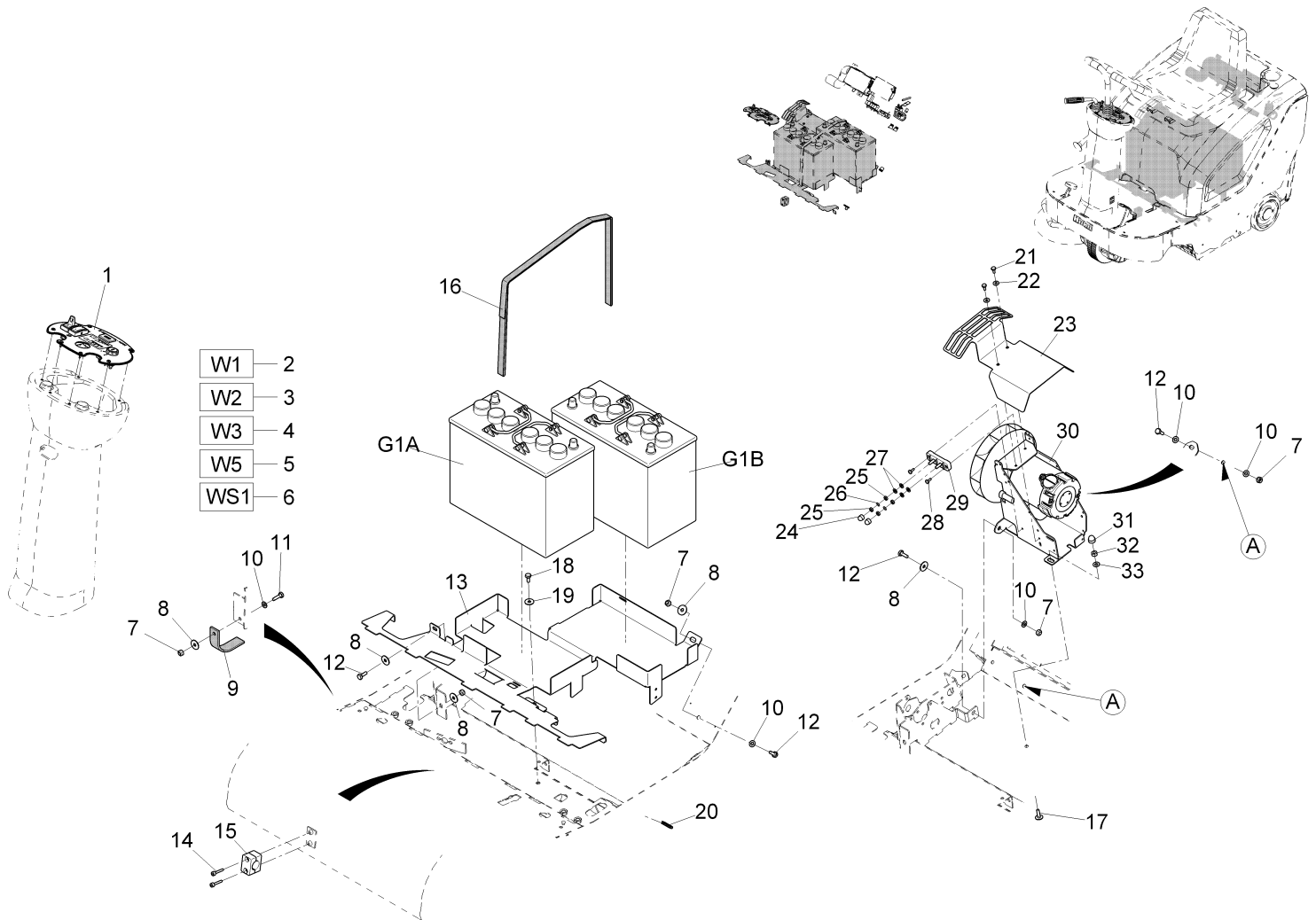


Electric equipment, part 1 (97123913-1)

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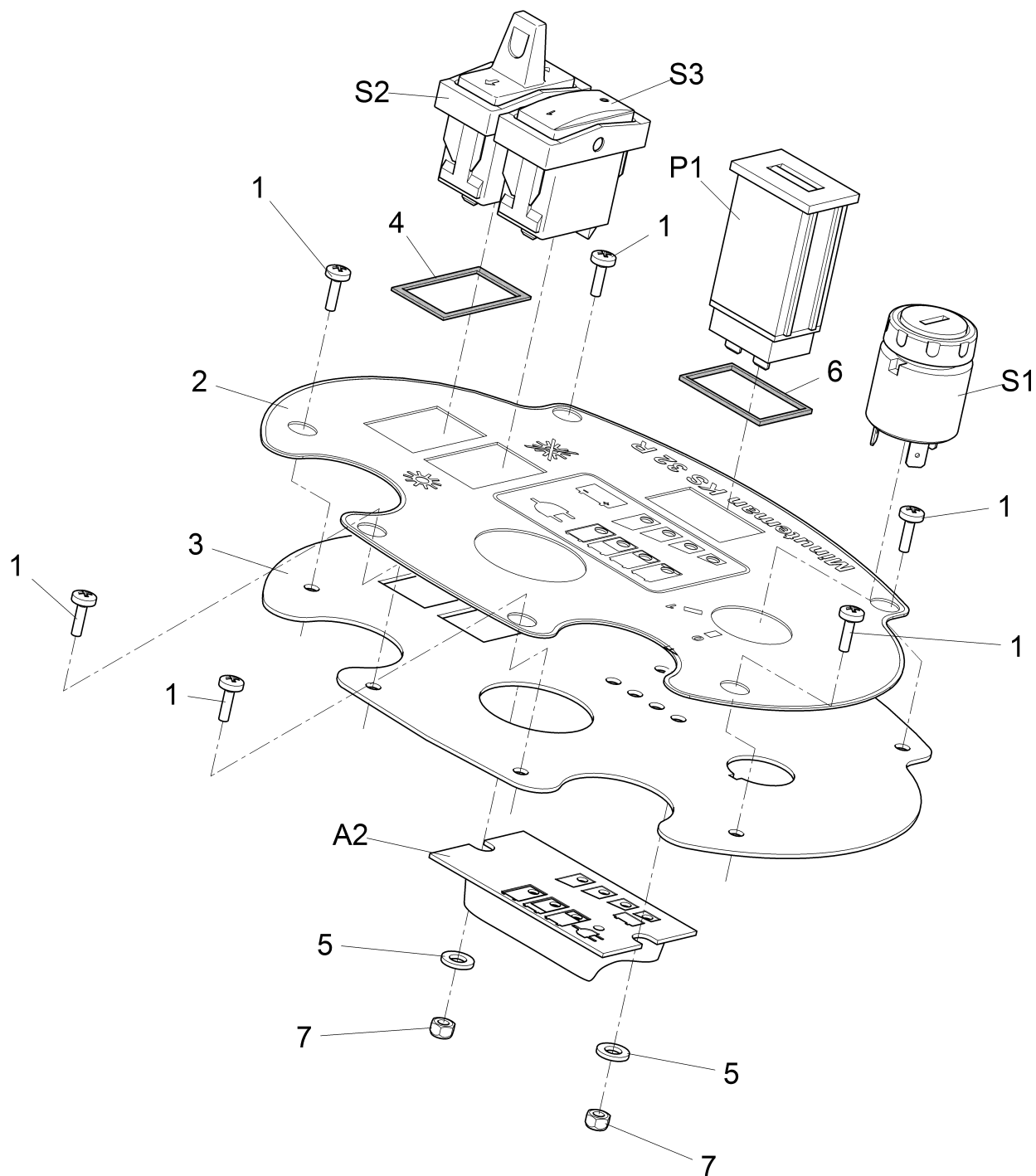
Item	Spare part number	Description	Qty.	Unit	Remarks
1	97123939	Control panel	Page	44	
2	03011110	Wiring harness W1	1	PC	Electro box
3	03011120	Wiring harness W2	1	PC	Steering column
4	03011130	Wiring harness W3	1	PC	Drive motor
5	03011140	Wiring harness W5	1	PC	Hood
6	03011150	Cable loom	1	PC	(battery clamp)
7	00051510	Hex. Nut	5	PC	
8	00042900	Washer	5	PC	
9	01271050	Ground strap	1	PC	
10	00053750	Washer	5	PC	
11	00053100	Hexagon screw	1	PC	
12	00053090	Hexagon screw	4	PC	
13	03011160	Cover plate	1	PC	
14	00137020	Cylinder head screw	2	PC	
15	01136450	Pair of clamping	1	PC	
16	01271730	Tension band	1	PC	
17	01000670	Lens flange screw	1	PC	
18	00053080	Hexagon screw	1	PC	
19	00740080	Washer	1	PC	
20	00721090	Edge protection	40 mm	M	
21	01171270	Screw	2	PC	
22	00730940	Detent edged washer	2	PC	
23	01136090	Covering	1	PC	
24	00525910	Lens cap	2	PC	
25	00135790	Hex. Nut	4	PC	Tightening torque: 2,5 - 3 Nm
26	00054180	Lock washer	2	PC	
27	00053730	Washer	4	PC	
28	00959220	Screw	2	PC	
29	00152830	Clamp strip	1	PC	
30	97114896 6400.40	Central motor	Page	46	
31	00874930	Lens cap	1	PC	
32	00053350	Hex. Nut	1	PC	
33	00740310	Washer	1	PC	

Electric equipment, part 1
Rev.* 07/13



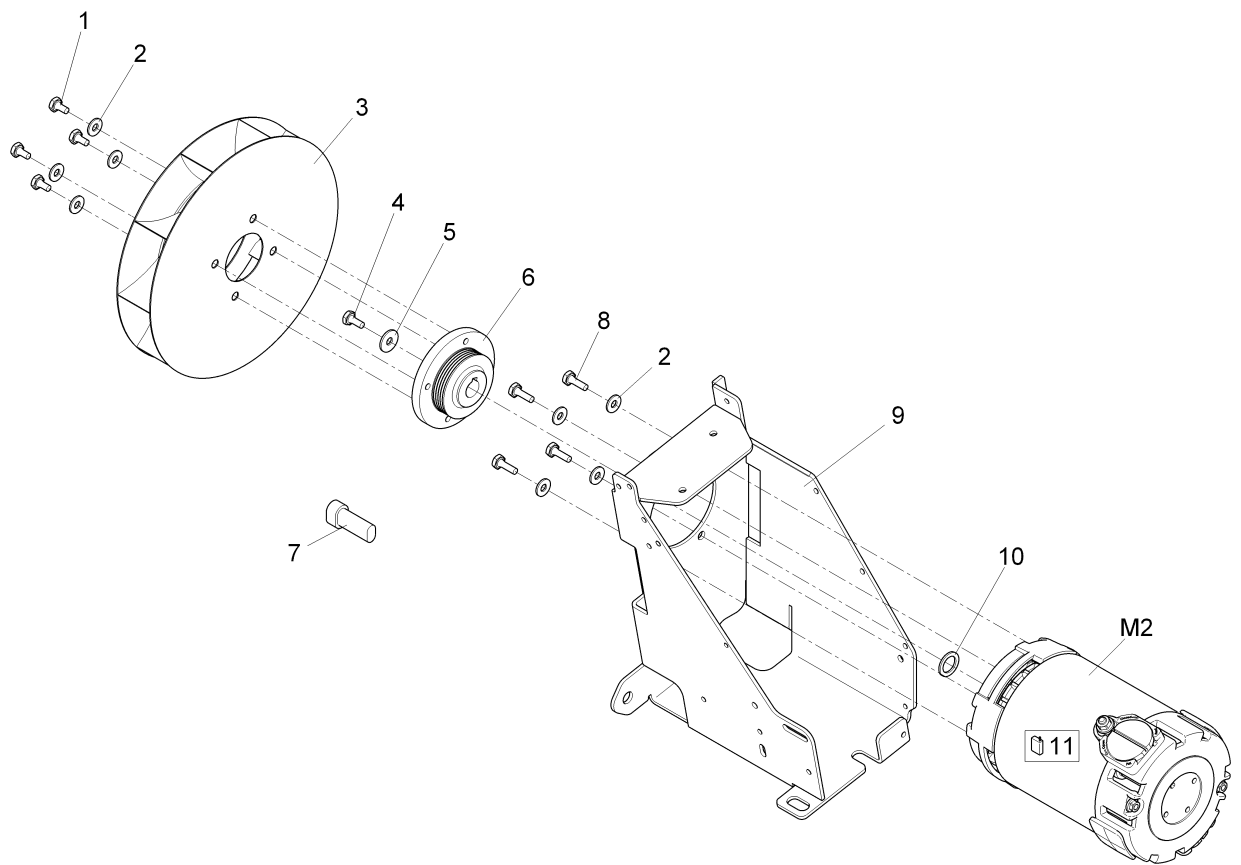
Electric equipment, part 1 (97123913-1)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
G1A	99741400	Block battery	1	PC	
G1B	99741400	Block battery		PC	



Control panel (97123939)
Rev.* 07/13

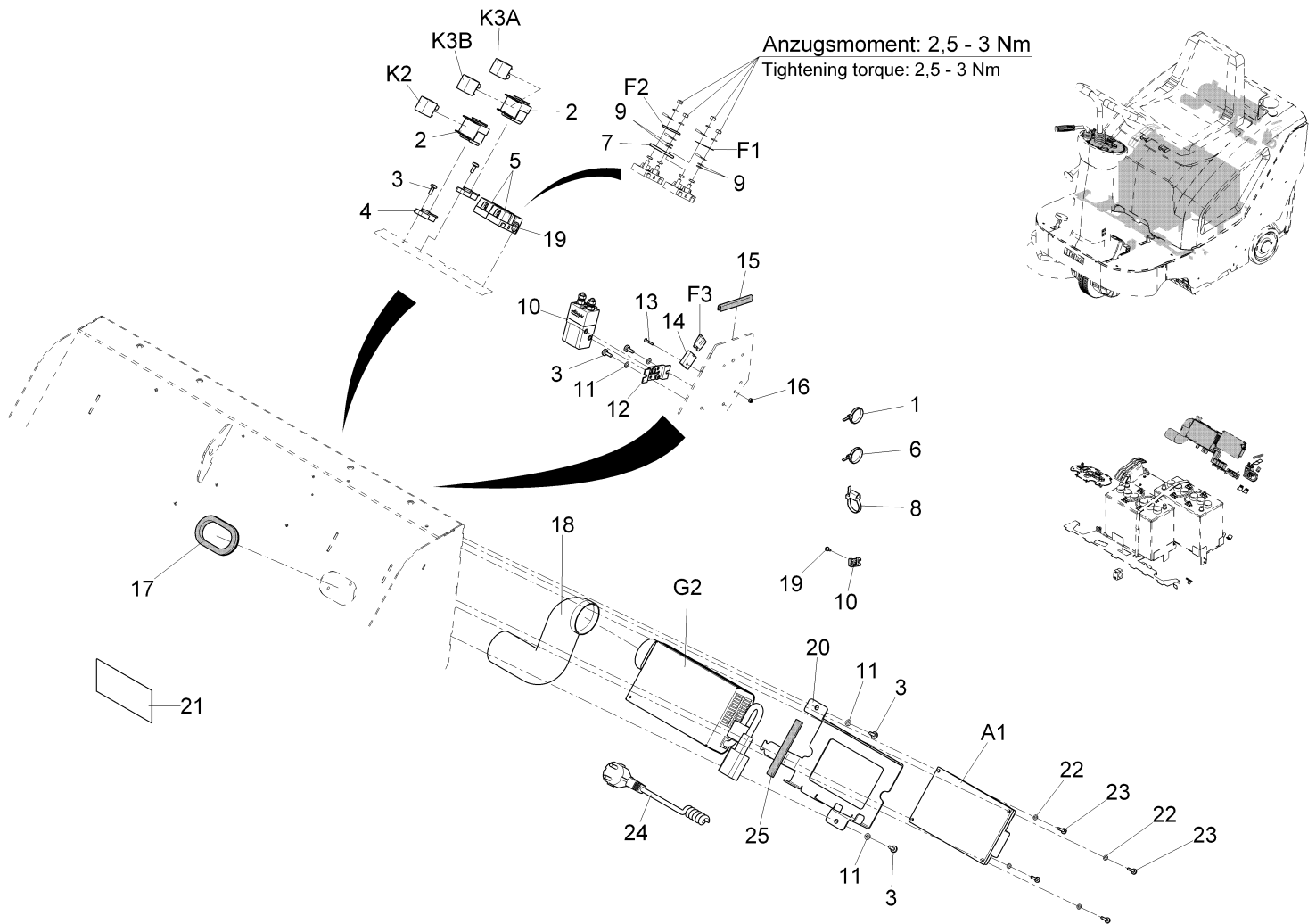
Item	Spare part number	Description	Qty.	Unit	Remarks
1	00052620	Fillister-head screw	6	PC	
2	---	Spare part on request	1		Control panel foil
3	01136210	Control panel	1	PC	
4	01131640	Gasket control-light	1	PC	
5	00557150	Washer	2	PC	
6	01092720	Gasket for hour meter	1	PC	
7	00133830	Hex. Nut	2	PC	
A2	01136340	Signal transmitter	1	PC	
P1	01131630	Hour meter	1	PC	
S1	00021710	Key switch	1	PC	
S2	06000280	Turn signal switch	1	PC	
S3	01136000	Push button	1	PC	



Central motor (97114896 6400.40)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00025260	Hexagon screw	4	PC	
2	00730940	Detent edged washer	8	PC	
3	00661680	Fan wheel	1	PC	
4	00104500	Hexagon screw	1	PC	
5	00135120	Washer	1	PC	
6	01270950	Belt pulley	1	PC	
7	01135470	pin housing	1	PC	
8	00053010	Hex.bolt	4	PC	
9	01271790	Retainer	1	PC	
10	00020610	Supporting ring	1	PC	
11	01131670	Set carbon brush	1	PC	
M2	01270930	Motor 24V-600W	1	PC	

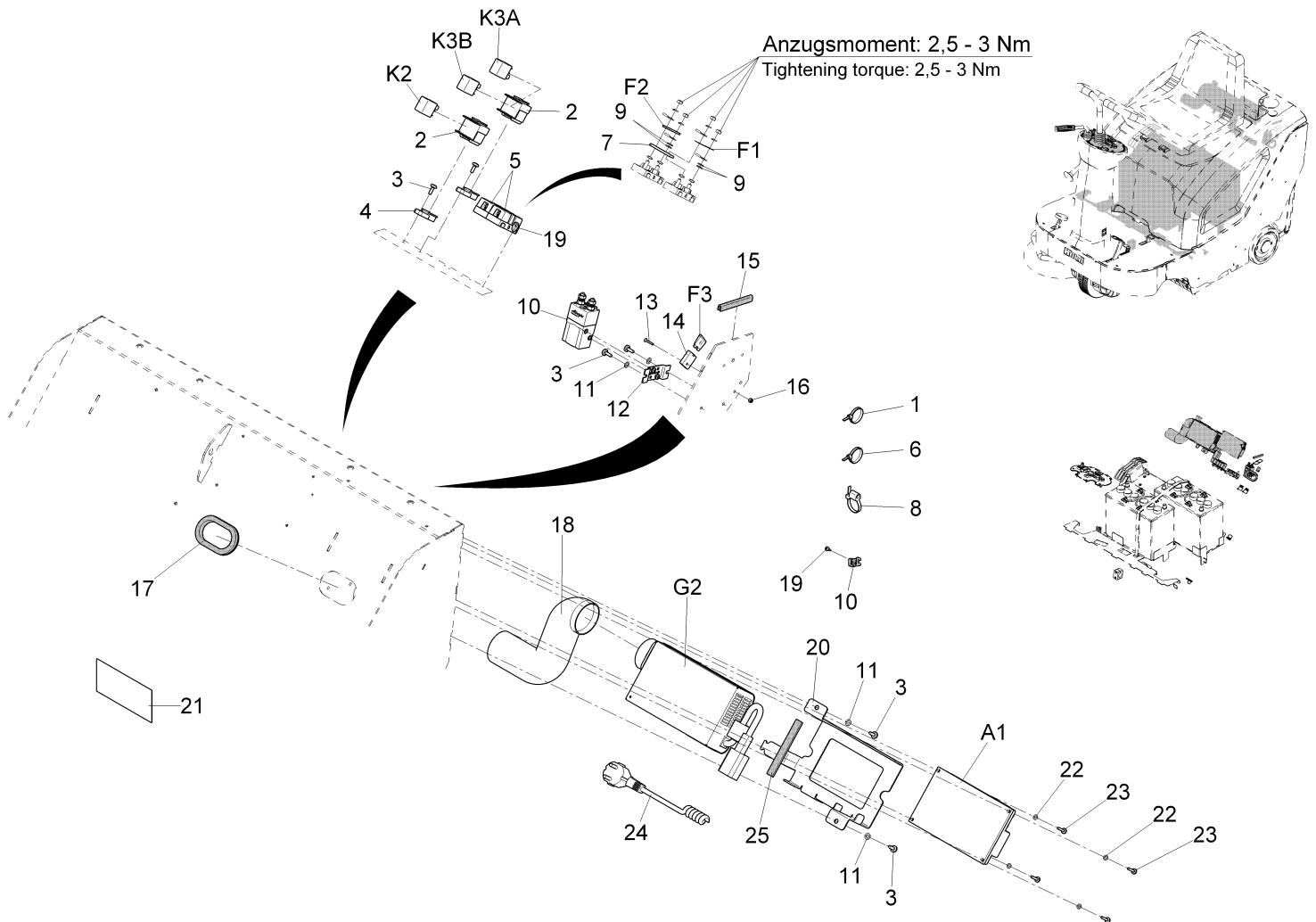
Electric equipment, part 2
Rev.* 07/13



Electric equipment, part 2 (97123913-2)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00121150	Cable tie	36	PC	
2	01271830	Relay base	2	PC	
3	00959220	Screw	6	PC	
4	01271780	Retainer	2	PC	
5	01167340	Fuse holder	2	PC	
6	00967760	Cable tie	3	PC	
7	01136460	Current bar	1	PC	
8	01166270	Cable tie	6	PC	
9	00053720	Washer	4	PC	
10	00780710	Socket	11	PC	
11	00857150	Lock washer	4	PC	
12	03003420	Mounting kit for solenoid	1	PC	
13	00043270	Countersunk screw	1	PC	
14	00509560	Fuse holder	1	PC	
15	00721090	Edge protection	70 mm	M	
16	00022200	Hex. Nut	1	PC	
17	01136470	Bushing	1	PC	
18	01078320	Hose	1	PC	
19	01110570	Screw	12	PC	
20	01136480	Blankholder	1	PC	
21	03003000	Transparency	2	PC	
22	00900540	Lock washer	4	PC	
23	01272680	Screw	4	PC	Tightening torque: 5 Nm
24	---	Spare part on request	1		Power cable
25	00881980	Sealing tape	190 mm	M	
A1	01136060	Driving control 90A	1	PC	
F1	01176290	Fuse link	1	PC	Drive motor
F2	00903550	Fuse	1	PC	Main motor
F3	00733630	Fuse	1	PC	Key switch
G2	01179980	On-board charger 12,6A	1	PC	
K1	01131420	Solenoid switch	1	PC	Main motor
K2	01271000	Relay	1	PC	Work made
K3A	01271000	Relay	1	PC	Drive enable

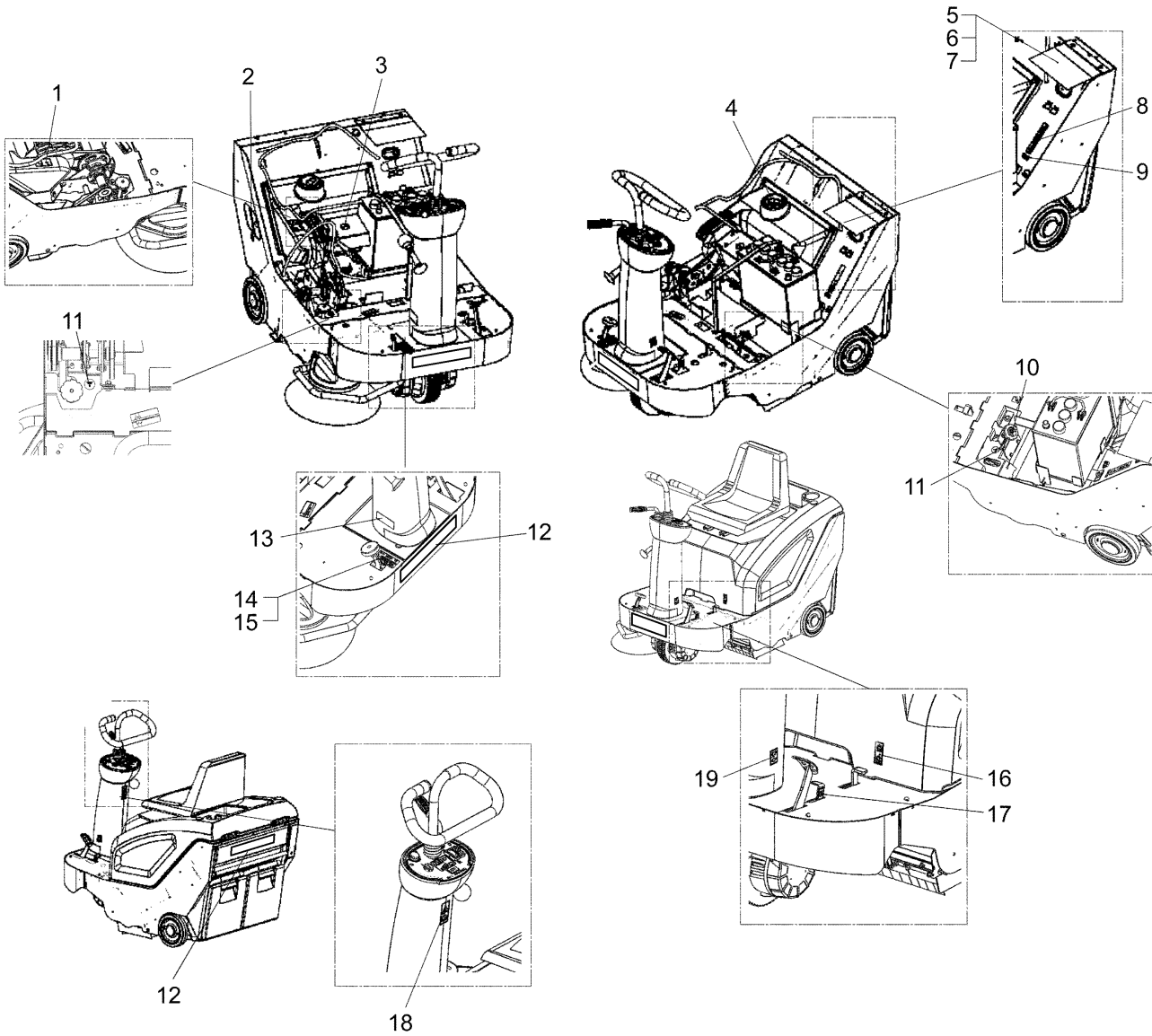
Electric equipment, part 2
Rev.* 07/13



Electric equipment, part 2 (97123913-2)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
K3B	01271000	Relay	1	PC	Main motor

Labels
Rev.* 07/13



Labels (97123897)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	01131590	Decal ROTATING PARTS	1	PC	
2	01270900	Decal SHAKING	1	PC	
3	01131570	Lable high-pressure cleaner	1	PC	
4	01270860	Decal BYPASS-FLAP	1	PC	
5	01078280	Bag	1	PC	
6	00555520	Washer	4	PC	
7	00959220	Screw	2	PC	
8	01270840	Decal MAINTENANCE FREE BATTERY	1	PC	
9	00871160	Decal 24V	1	PC	
10	01136250	Decal Cyl. broom	1	PC	
11	01130650	Decal SIDE BROOM ADJUSTMENT	2	PC	
12	03009030	Decal MINUTEMAN	2	PC	
13	---	Spare part on request	1		17259011 Decal Lwa 82 dB (A) max 16%
14	03008630	Type plate MINUTEMAN	1	PC	
15	00504370	Blind rivet	2	PC	
16	01131540	Lable brush apron	1	PC	
17	01131550	Lable brake	1	PC	
18	01071710	Decal "Instruction manual"	1	PC	
19	01131560	Decal PARKING BRAKE	1	PC	

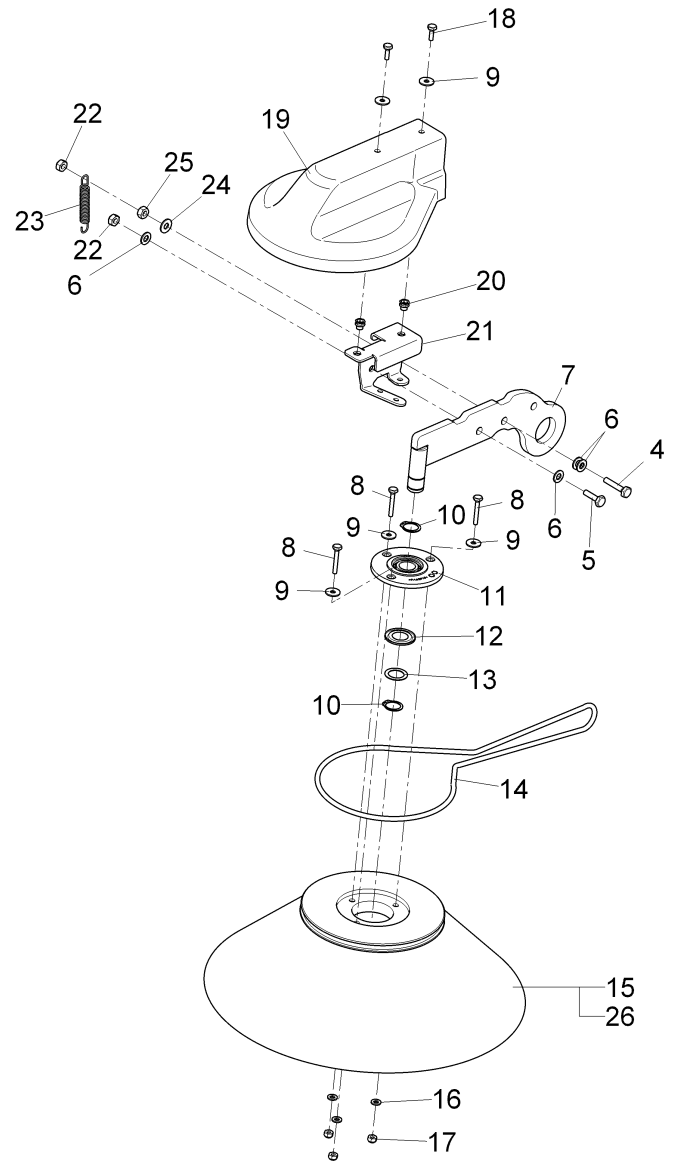
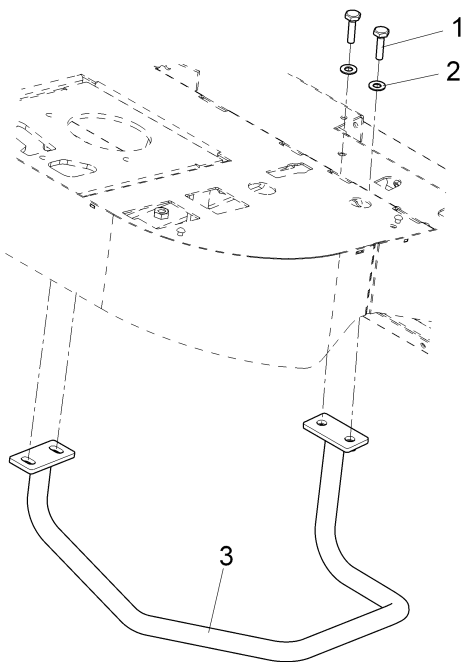
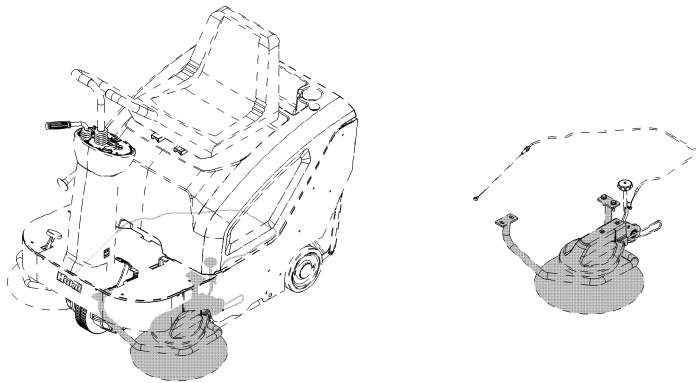
Options Kleen Sweep 32R (Opt-KS 32R)
Rev.* 07/13

Assembly	Description	Page
99640055	Side broom unit left	55

Side broom unit left (6400.55)
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Assembly	Description	Page
97114938-1	Side broom L.H., part 1	56
97114938-2	Side broom L.H., part 2	58

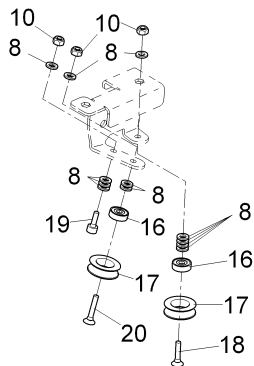
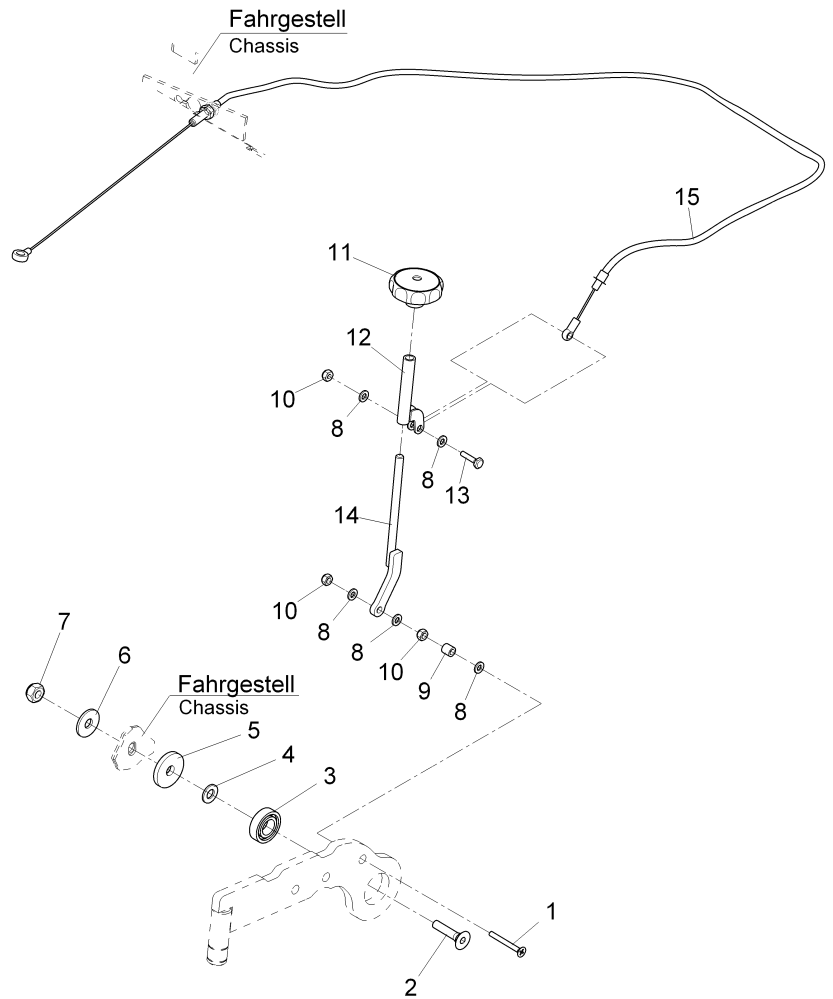
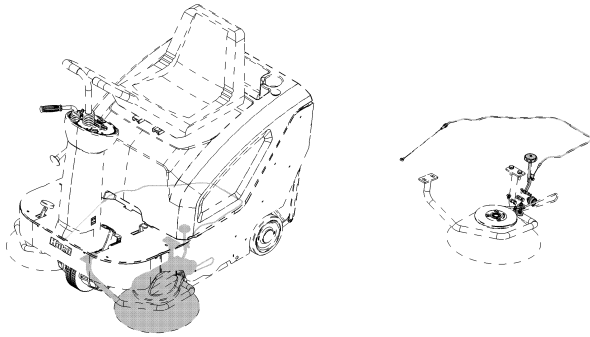
Side broom L.H., part 1
Rev.* 07/13



Side broom L.H., part 1 (97114938-1)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00123690	Hex.bolt	2	PC	
2	00870090	Detent edged washer	2	PC	
3	---	Spare part on request	1		96130745 Bracket L.H.
4	00054690	Hexagon screw	1	PC	
5	00053100	Hexagon screw	1	PC	
6	00053750	Washer	4	PC	
7	01179670	Side broom arm	1	PC	
8	00053290	Hexagon screw	3	PC	
9	00135120	Washer	5	PC	
10	00054310	Retaining ring	2	PC	
11	01173010	Flange bearing	1	PC	
12	00537310	Ring	1	PC	
13	00153700	Adjusting washer	1	PC	
14	01179690	Round belt	1	PC	
15	01270920	Side broom PES	1	PC	
16	00053730	Washer	3	PC	
17	00051520	Hex. Nut	3	PC	
18	00053010	Hex.bolt	2	PC	
19	---	Spare part on request	1		90589540 Side broom cover L.H.
20	01271300	Nut	2	PC	
21	---	Spare part on request	1		90589532 Roll holder L.H.
22	00051510	Hex. Nut	2	PC	
23	00705310	Tension spring	1	PC	
24	00740090	Detent edged washer	1	PC	
25	00053350	Hex. Nut	1	PC	
26	01270970	Side broom PA	1	PC	

Side broom L.H., part 2
Rev.* 07/13



Side broom L.H., part 2 (97114938-2)
Rev.* 07/13

Item	Spare part number	Description	Qty.	Unit	Remarks
1	00109500	Countersunk screw	1	PC	
2	01160640	Countersunk screw	1	PC	
3	00106300	Deep groove ball bearing	1	PC	
4	00053760	Washer	1	PC	
5	00047080	Washer	1	PC	
6	00046520	Washer	1	PC	
7	00051500	Hex. Nut	1	PC	
8	00053730	Washer	17	PC	
9	01271310	Bushing	1	PC	
10	00051520	Hex. Nut	6	PC	
11	00522330	Hand wheel	1	PC	
12	01271280	Adjusting pipe	1	PC	
13	00154070	Hex.bolt	1	PC	
14	---	Spare part on request	1		96130687 Adjusting rod L.H.
15	01136290	Bowden cable	1	PC	
16	01175800	Grooved ball bearing	2	PC	
17	01179700	Deflection roller	2	PC	
18	01093180	Countersunk screw	1	PC	
19	00136910	Cylinder head screw	1	PC	
20	00508990	Countersunk screw	1	PC	

Minuteman International Made Simple Commercial Limited Warranty

Minuteman International, Inc. warrants to the original purchaser/user that the product is free from defects in workmanship and materials under normal use. Minuteman will, at its option, repair or replace without charge, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals. All warranty claims must be submitted through and approved by factory authorized repair stations.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as belts, cords, switches, hoses, rubber parts, electrical motor components or adjustments. Parts manufactured by Minuteman are covered by and subject to the warranties and/or guarantees of their manufacturers. Please contact Minuteman for procedures in warranty claims against these manufacturers.

Special warning to purchaser -- Use of replacement filters and/or prefilters not manufactured by Minuteman or its designated licensees, will void all warranties expressed or implied. A potential health hazard exists without original equipment replacement.

All warranted items become the sole property of Minuteman or its original manufacturer, whichever the case may be.

Minuteman disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. Minuteman assumes no responsibility for any special, incidental or consequential damages.

This limited warranty is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. Customers outside the U.S.A. and Canada should contact their local distributor for export warranty policies. Minuteman is not responsible for costs or repairs performed by persons other than those specifically authorized by Minuteman. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of the product.

If a difficulty develops with this machine, you should contact the dealer from whom it was purchased.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Cord Electric Group..... Three years parts, two years labor, ninety days travel (Not to exceed two hours)

Exceptions..... Port-A-Scrub, one year parts, six months labor
MPV 13, one year parts
V-14, one year parts, one year labor
MPV 14 and 18, two years parts, one year labor
RapidAir blower, one year parts, one year labor
Explosion-Proof Vacuum, one year parts, one year labor
X12 and X12H, one year parts, one year labor
TRS 14, one year parts, one year labor

Battery Operated Group..... Three years parts, two years labor, ninety days travel

(Not to exceed two hours)
Exceptions..... Sweepers, one year parts, one year labor, ninety days travel
(Not to exceed two hours)

Internal Combustion Group.... One year parts, one year labor, ninety day travel
(Not to exceed two hours)

Battery Chargers..... One year replacement

Replacement Parts..... Ninety days

Batteries..... 0-3 months replacement, 4-12 months pro-rate

Polypropylene Plastic Tanks... Ten years, no additional labor