

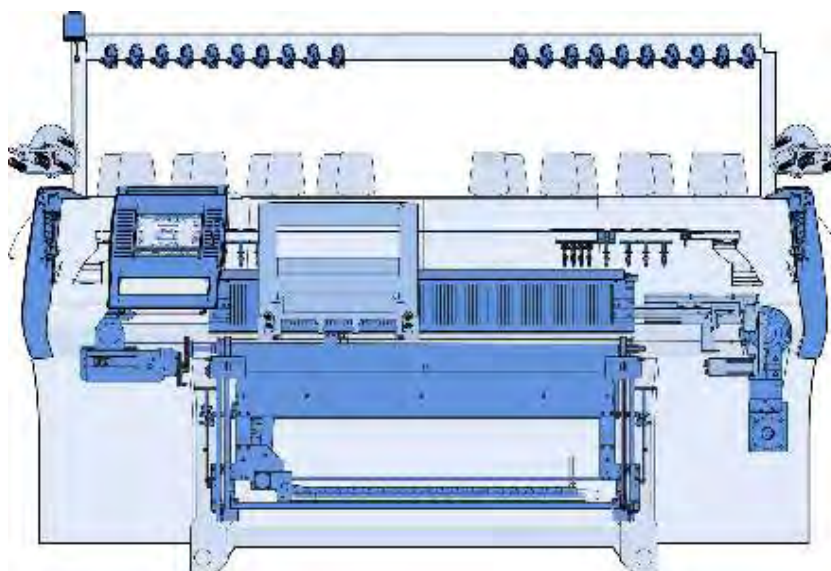
STOLL

Spare parts catalog

CMS 530 MT, MT B (Typ 589)

Component type 000

E12 | E12m.10 | E14



Document no. 269137_00_EN

Release 2015/10

1 Introduction

Imprint

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Notes for the order

This catalog serves to order spare parts.

It can only be applied to the machine type recorded on the title page.

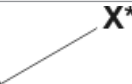
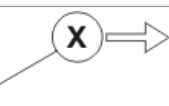
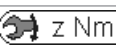
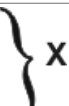
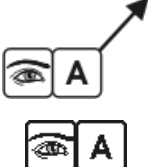
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

1. Type of machine, gauge, no. of machine.
2. Page no., designation, ID, quantity.

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

In order to make the search of the spare parts easier, the following elements will be used in the spare parts catalog:

Symbol	Meaning
	Indicates an assembly
	Position indicator with the position number (X).
	Indicates an element of another assembly.
	Indicates an assembly which is represented more detailed beside.
	Indicates an assembly which is represented on another page more detailed.
	Screw torques (z) deviating from the preferential row.
	Detail, represented enlarged in the direction of the arrow.
	Explosion representation, single elements enlarged.
	Indicates a group of parts.
	Indicates the left side or view.
	Indicates the right-hand side or view.
	Indicates a sectional drawing or a view in the viewing direction.

1.2 Torques

Preferential row of screw torques

- Torques are **valid** for:
Connection steel-steel, black, phosphatized, galvanized, rolled or cut thread as well as only for plain (head) supports.
- Torques are **not valid** for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-cutting threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

Drehmomente Torques Couples Coppias Momentos de rotación [Nm] ± 10 % (für $\mu_{ges} = 0,12$)		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3	0,6	1,2	2,5
	M4	1,2	2,5	5
	M5	2,5	5	9
	M6	5	9	18
	M8		18	40
	M10		40	
	M12		80	

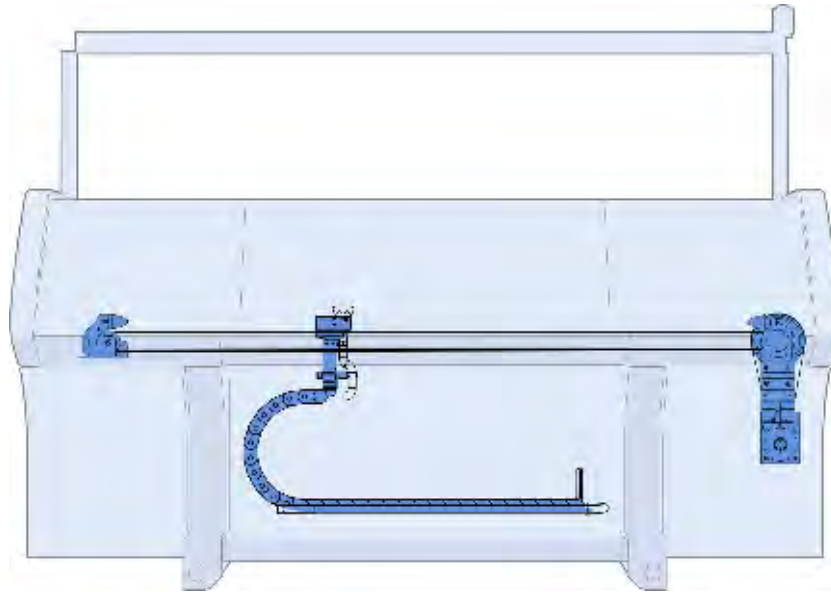
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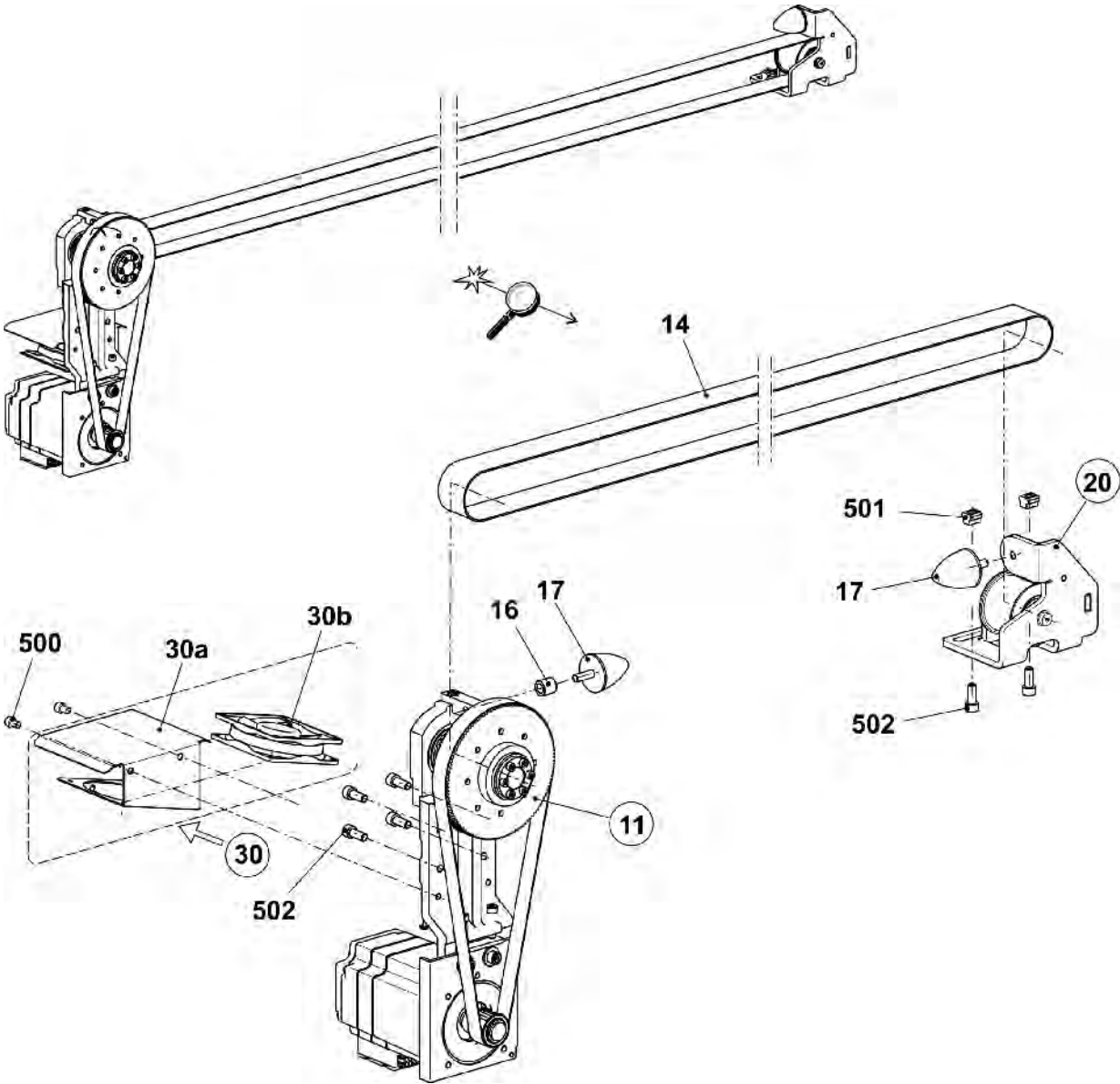
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2 Carriage drive



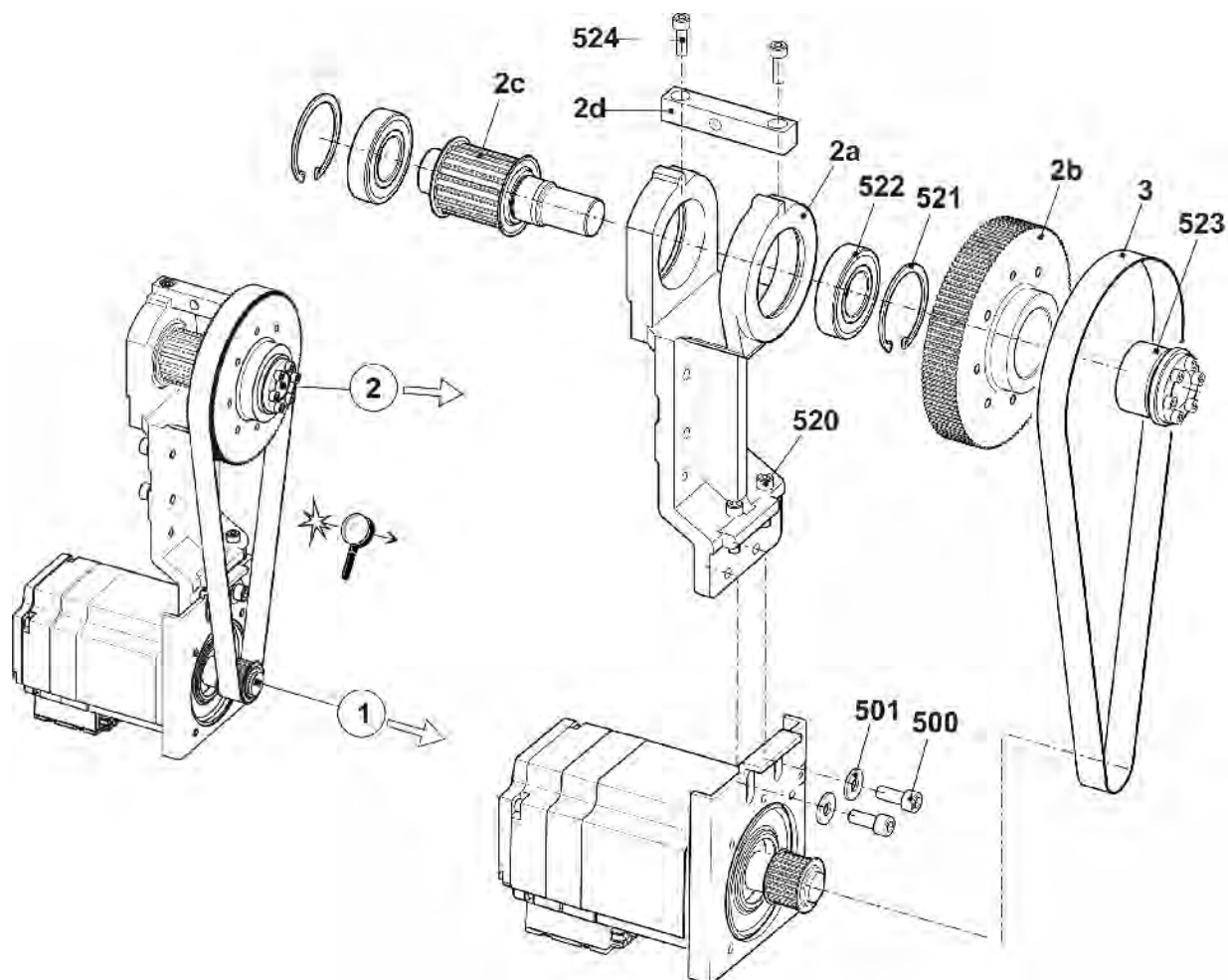
2.1 Drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit		30	Fan complete	242 413
11	Drive unit complete	240 743	30a	Fan plate drive motor	241 823
14	Toothed belt50AT10/4670	253 890	30b	Fan complete512	213 722
16	Spacer pipe	222 099	500	Cap screws M8x12	023 138
17	Parabolic spring	200 661	501	Sliding nut M10X12	023 471
20	Tension bearing complete	251 581	502	Cap screw M10X25	020 157



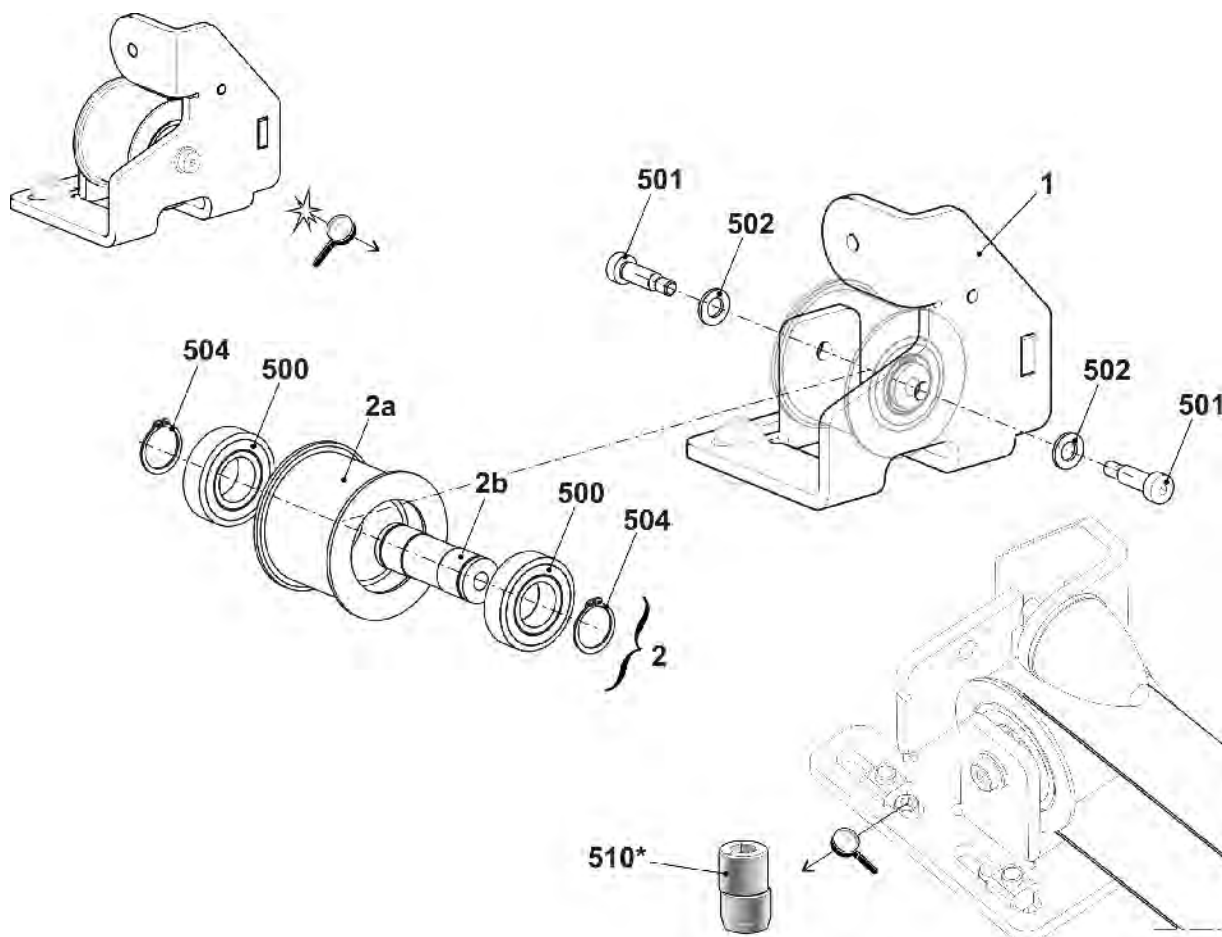
2.1.1 Motor and belt drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Drive unit complete	240 743			
1	Drive unit	256 301	521	Retaining ring68x2.5	022 914
2	Drive bearing	255 005	522	Grooved ball bearing 6207-2RS	022 915
2a	Drive bearing ECO2	252 634	523	Tension set 30X55	023 208
2b	Toothed belt pulley	240 616	524	Cap screw M8X25 12.9	020 142
2c	Pinion57 AT10 18	242 039	3	Toothed belt250 HP-S5M 1050 NG	240 628
2d	Support of buffer	222 100	500	Cap screw M10X25	020 157
520	Cap screw M8X35	020 144	501	Disk10,5X25X2,5	022 178



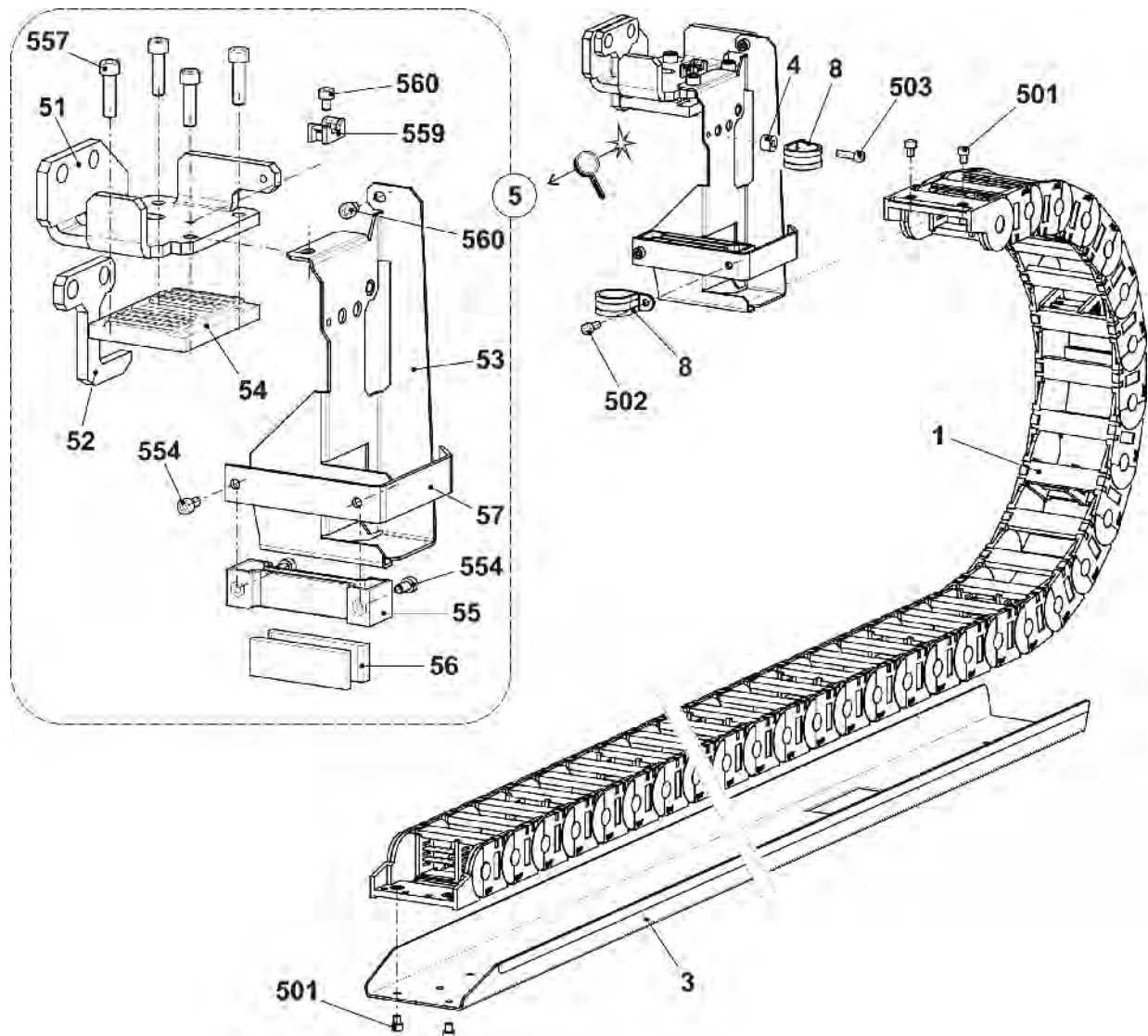
2.1.2 Tension bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension bearing complete	251 581	2	500 Grooved ball bearing 625-6305-2RS	255 686
1	Tension bearing	251 560		504 Retaining ring 471-25x1,2	251 617
2	Tension roller complete	256 640	501	Cap screw M10x25	023 751
	2a Tension roller	255 684	502	Washer	020 874
	2b Axle	251 579	510*	Eccentric	255 499



2.2 Energy chain and plunger

Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 30 links	259 234	5	Continuation carriage driver complete	
3	Depositing gutter	263 983	53	Cable driver carriage driver	258 378
4	Threaded spacer	214 584	54	Clamping plate	252 592
8	Hose clip	214 653	55	Cable holder	204 688
501	Cap screw M6x8	023 411	56	Cellular caoutchouc black	202 597
502	Cap screw M6x16	020 135	57	Cover strip	258 379
503	Cap screw M6x20	020 136	554	Cap screw M6x12	020 134
5	Carriage driver complete	258 392	557	Cap screw M8x30	020 143
51	Carriage driver	258 380	559	Fixing element	026 489
52	Switch flag carriage driver	258 381	560	Cap screw M6x8	023 411

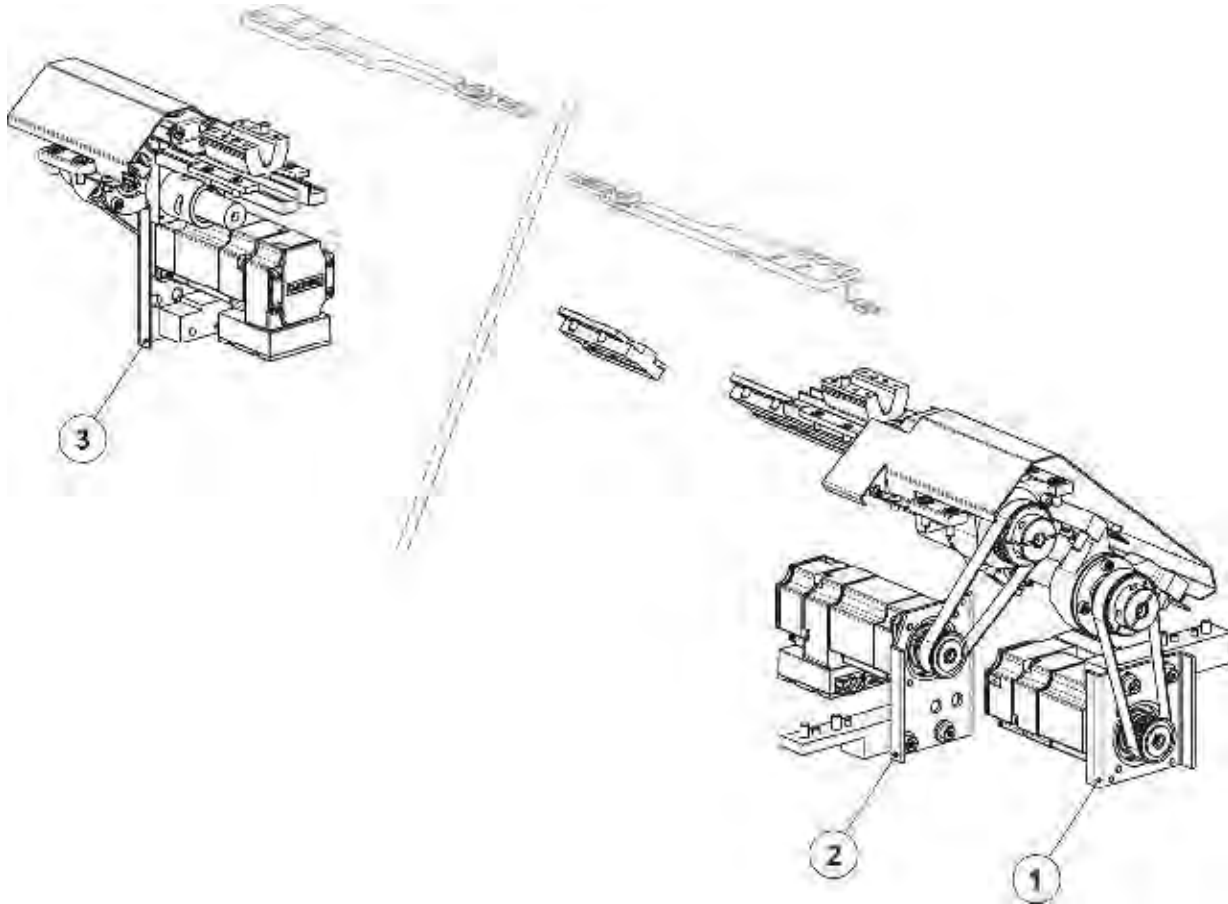


3 Racking needle bed and additional needle bed



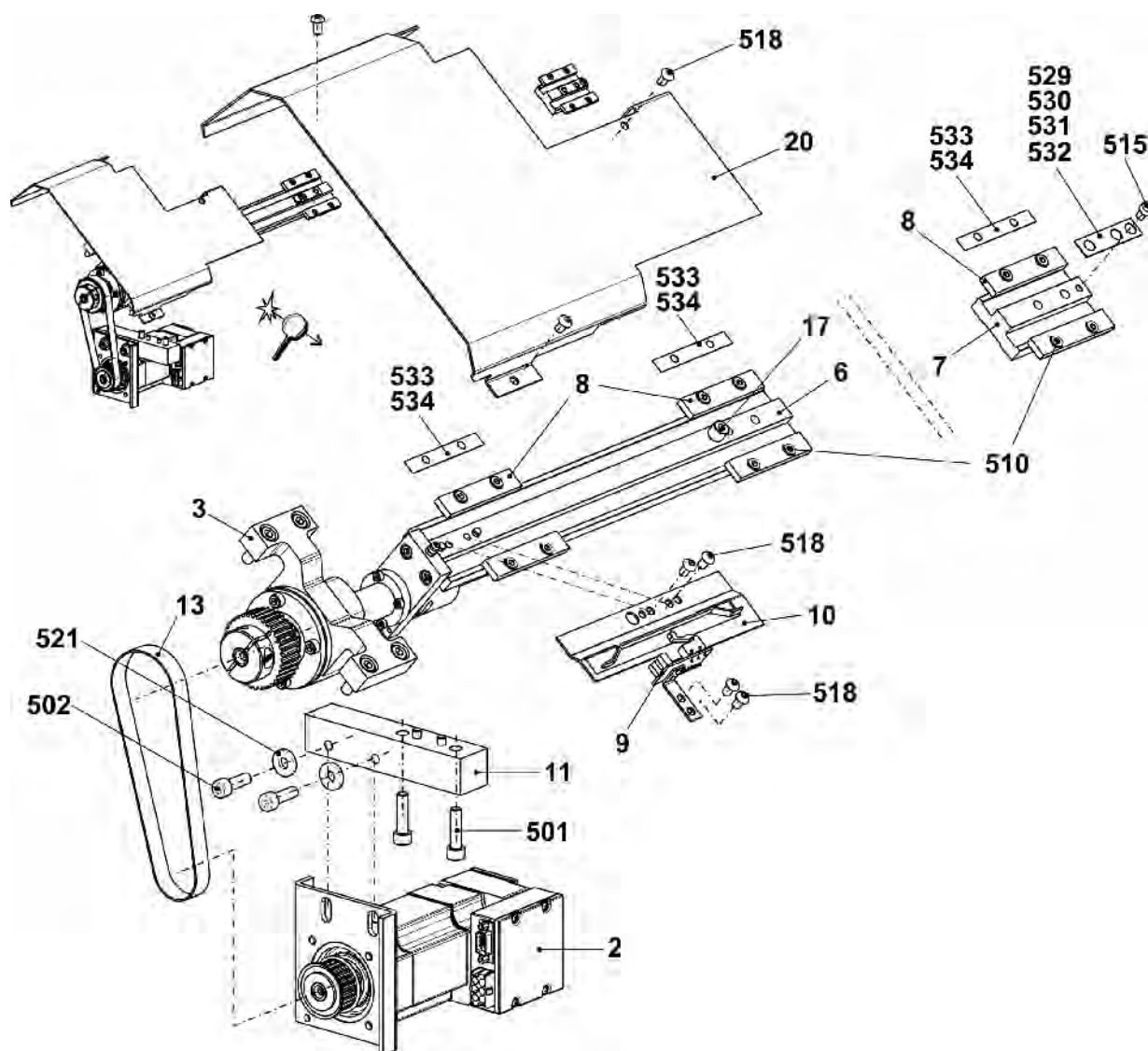
3.1 Racking needle bed and additional needle bed

Pos	Designation	ID	Pos	Designation	ID
1	Needle bed racking				
2	Additional needle bed racking on the right				
3	Additional needle bed racking on the left				



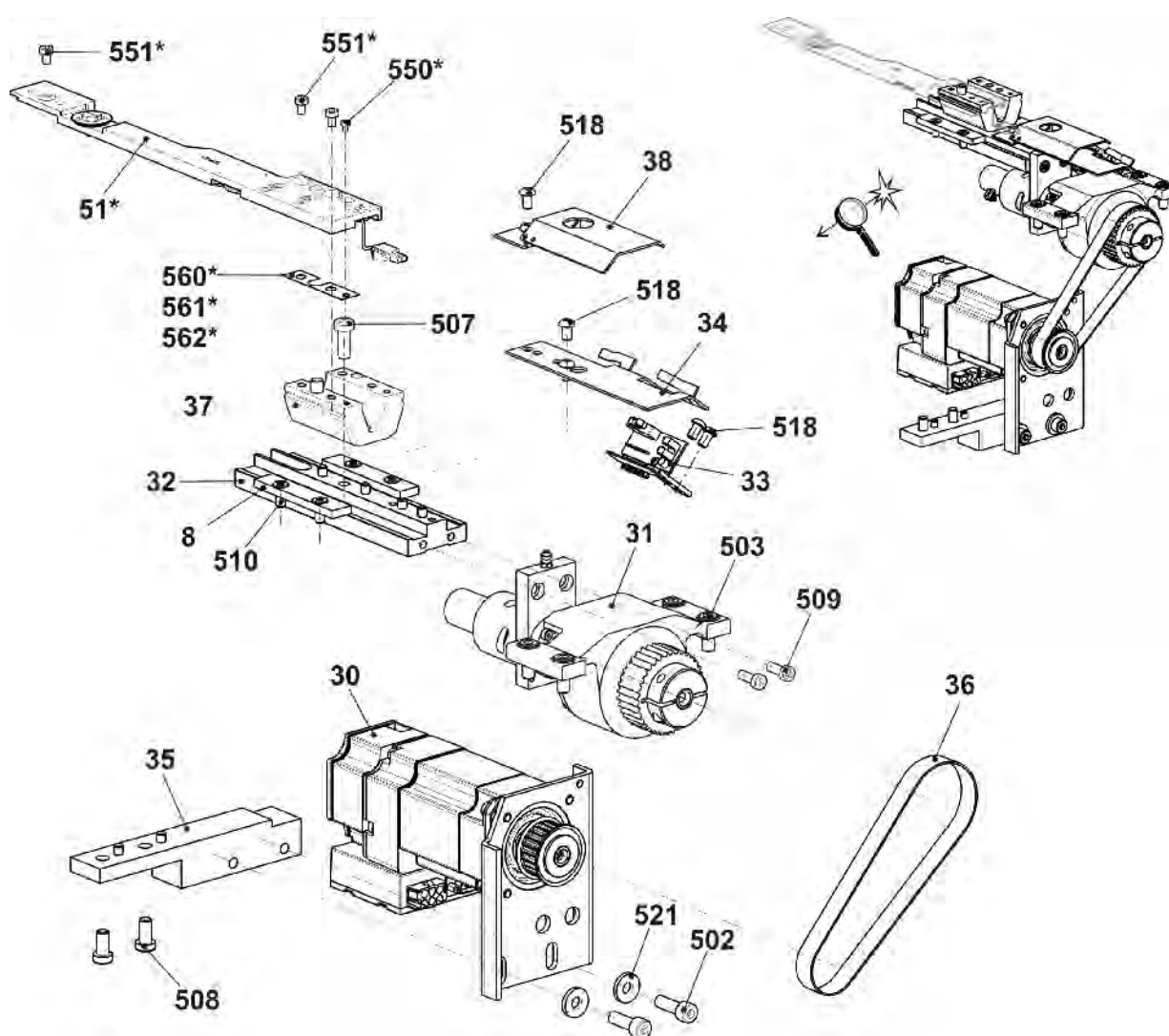
3.2 Needle bed racking

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed racking		501	Cap screw M8x30	020 143
2	Three-phase AC servo motor racking complete	258 192	502	Cap screw M8x25	020 142
3	Spindle bearing	253 262	510	Cap screw M6x12	022 795
6	Racking strip	241 853	515	Cap screw M6x8	020 044
7	Racking strip on the left	219 648	518	Pan head screw M6x10	023 183
8	Guide strip	206 382	521	Washer 8,4x20x3	022 175
9	Card racking limit switch	229 396	529	Shim 0,03x15x63	023 482
10	Switch plate	240 722	530	Shim 0,05x15x63	023 483
11	Bearing	227 605	531	Shim 0,1x15x63	023 484
13	Toothed belt 150 S 5M 425	229 280	532	Shim 0,2x15x63	023 485
17	Stop screw	222 645	533	Shim 0,03x11x80	023 286
20	Cover plate racking	243 203	534	Shim 0,05x11x80	023 287



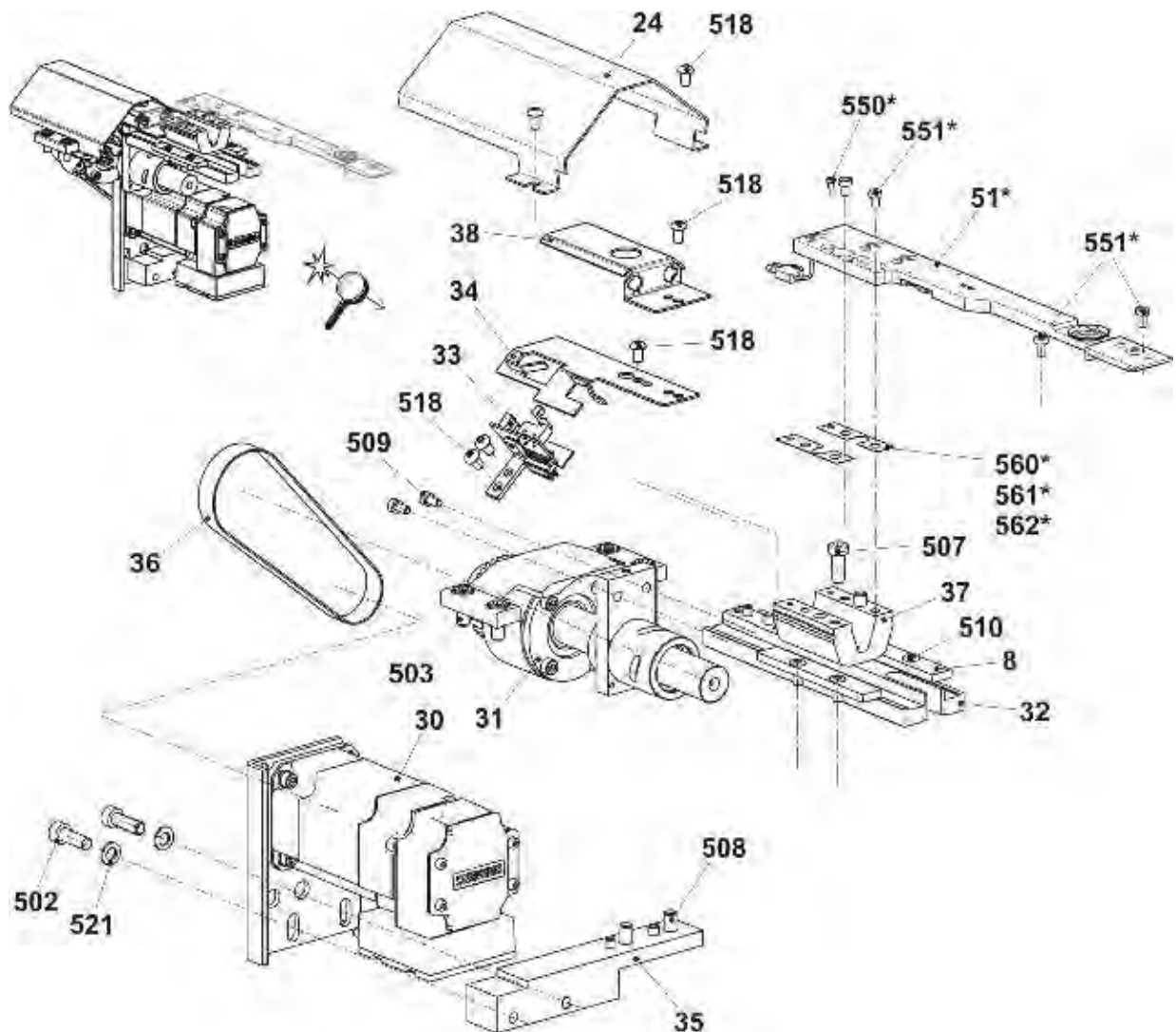
3.3 Additional needle bed racking on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional needle bed racking on the right		507	Cap screw M8x20	023 621
8	Guide strip	206 382	508	Cap screw M8x16	023 144
30	Three-phase AC servo motor racking complete	258 193	509	Cap screw M6x16	023 116
31	Spindle bearing	243 206	510	Cap screw M6x12	022 795
32	Racking strip ZB 530 T	243 198	518	Pan head screw M6x10	023 183
33	Card racking limit switch TC-R	232 300	521	Washer 8,4x20x3	022 175
34	Switch plate ZB	242 908	560*	Shim 0,05x60x15	023 479
35	Bearing	243 599	561*	Shim 0,10x60x15	023 480
36	Toothed belt 150 S5M 410	244 254	562*	Shim 0,20x60x15	023 481
37	Plunger additional needle bed	243 197	51*	Connection at the front on the right complete	266 768
38	Sheet metal for plug	242 909	550*	Cap screw M4x6	020 019
502	Cap screw M8x25	020 142	551*	Cap screw M6x8	023 532
503	Cap screw M8x16	023 629			



3.4 Additional needle bed racking on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Racking additional needle bed on the left				
8	Guide strip	206 382	507	Cap screw M8x20	023 621
24	Cover plate racking	244 435	508	Cap screw M8x16	023 144
30	Three-phase AC servo motor racking complete	258 193	509	Cap screw M6x16	023 116
31	Spindle bearing	243 206	510	Cap screw M6x12	022 795
32	Racking strip ZB 530 T	243 198	518	Pan head screw M6x10	023 183
33	Card racking limit switch TC-R	232 300	521	Washer 8,4x20x3	022 175
34	Switch plate ZB	242 908	560*	Shim 0,05x60x15	023 479
35	Bearing	243 599	561*	Shim 0,10x60x15	023 480
36	Toothed belt 150 S5M 410	244 254	562*	Shim 0,20x60x15	023 481
37	Plunger additional needle bed	243 197	51*	Connection at the rear on the left complete	266 769
38	Sheet metal for plug	242 909	550*	Cap screw M4x6	020 019
502	Cap screw M8x25	020 142	551*	Cap screw M6x8	023 532
503	Cap screw M8x16	023 629			

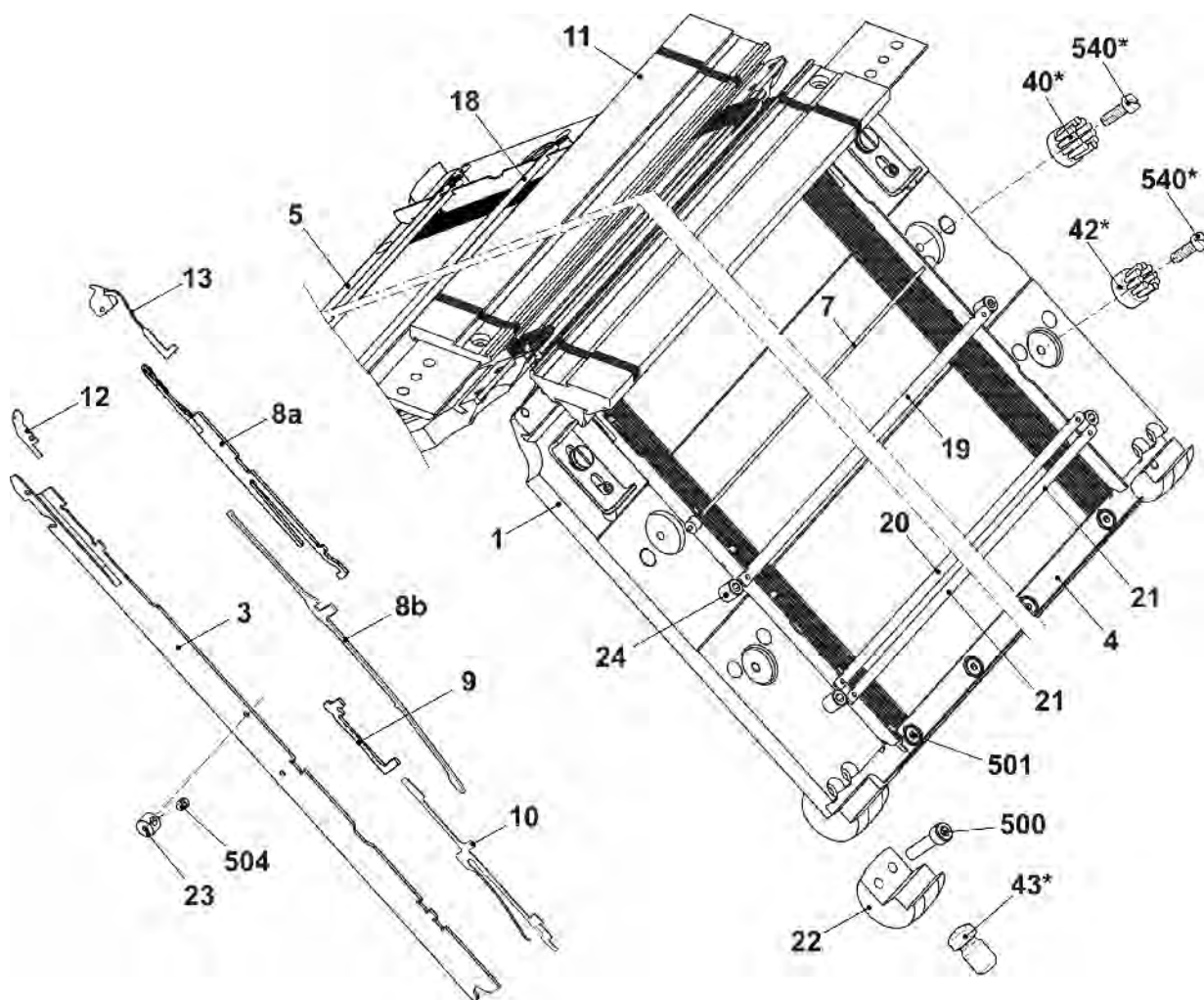


4 Needle beds



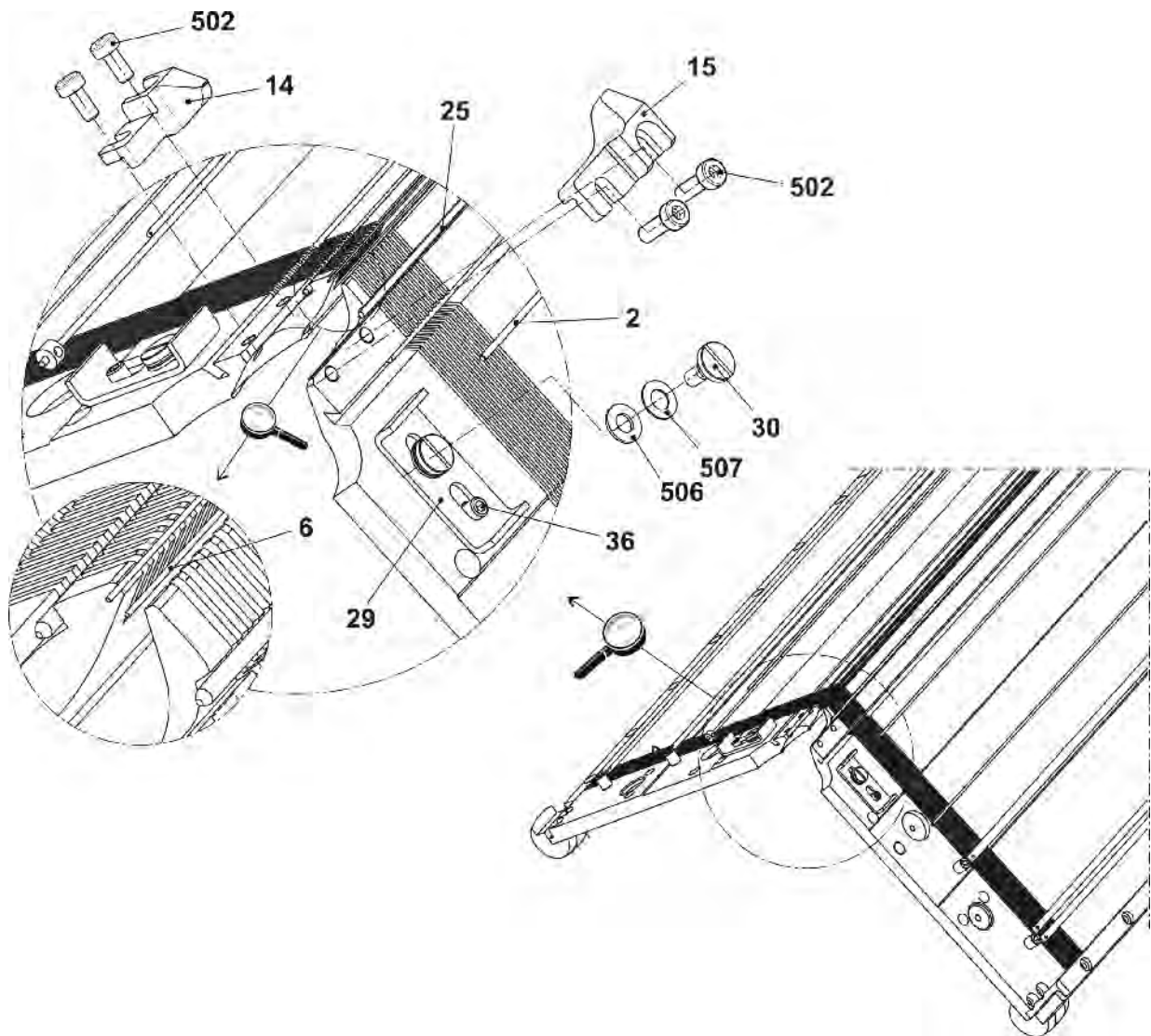
4.1 Needle bed E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed at the front and rear complete E12	269 968			
1	Needle bed at the front + rear E12	227 426	19	Cover rail at the front E12	214 037
3	Main trick wall E12	231 771	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	21	Cover rail	213 763
5	Pressure strip at the rear E5-14	219 537	22	Support	241 339
7	Spring steel wire ø2,0 mm	213 996	23	Bush	206 090
8a	Needle E12	204 009	24	Stop screw	214 039
8b	Coupling part E12	253 382	500	Cap screw M6x14	022 658
9	Intermediate slider with brake E12	237 324	501	Cap screw M5x8	023 379
10	Selection jack with spring E12	200 688	504	Setscrew M3,5x3	020 512
11	Additional needle bed complete E12	269 928	40*	Disk brush	235 612
12	Knock-over bit E12	219 281	42*	Disk brush	202 600
13	Holding-down jack trick wall E12	227 106	43*	Adjusting bolt	240 765
18	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



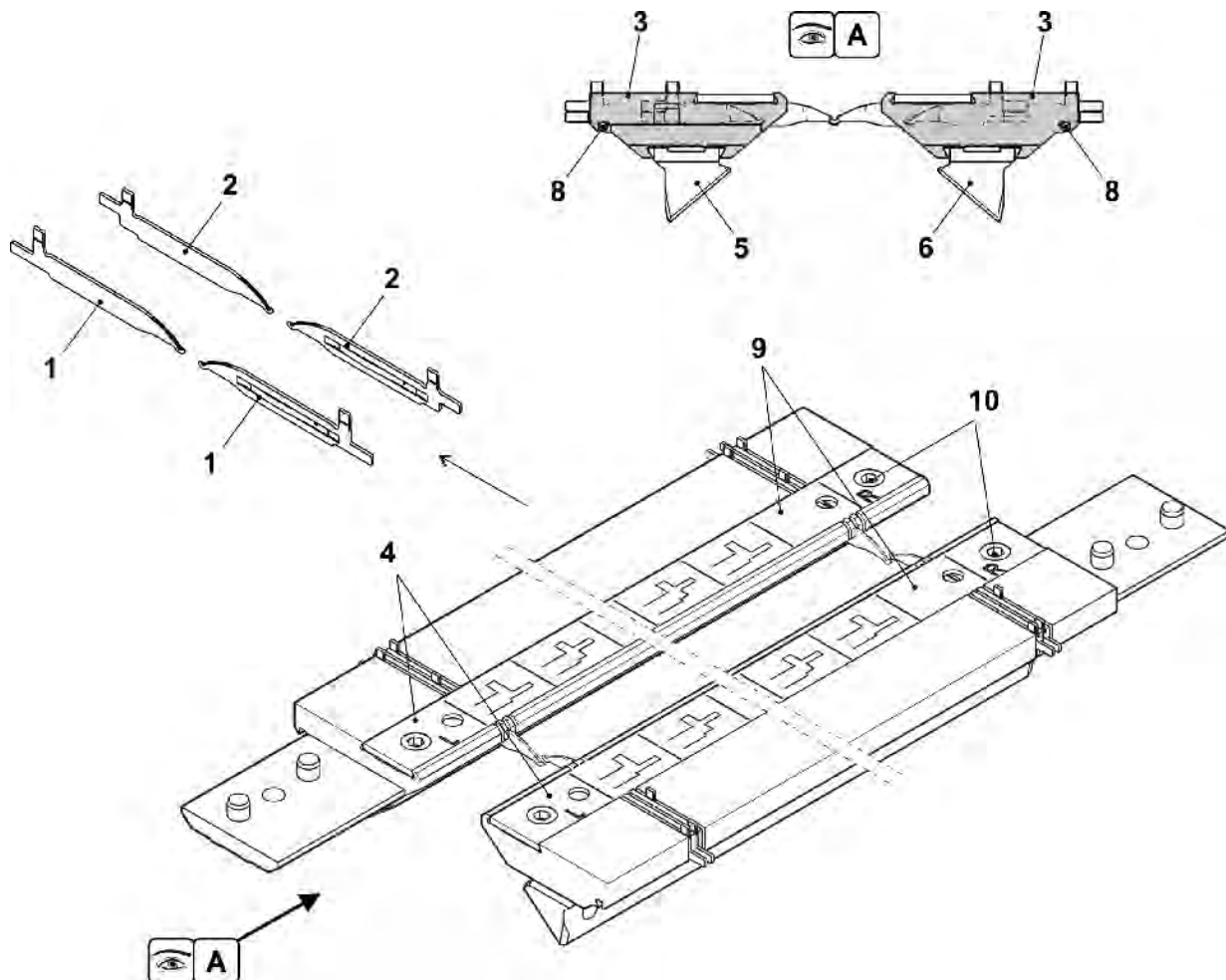
4.1.1 Continuation needle bed E12

Pos	Designation	ID	Pos	Designation	ID
2	Locating wire $\varnothing 3,4$ mm	213 995	30	Shoulder screw	219 958
6	Spring steel wire $\varnothing 0,6$ mm, E10-14	213 990	36	Eccentric	231 069
14	Limiter on the right E10-14	243 202	502	Cap screw M5x10	022 918
15	Limiter on the left E10-14	243 201	506	Shim ring 6x12x1	023 444
25	Spring steel wire $\varnothing 1,95$ mm	213 997	507	Spring washer B6-FST	023 493
29	Safety plate	219 955			



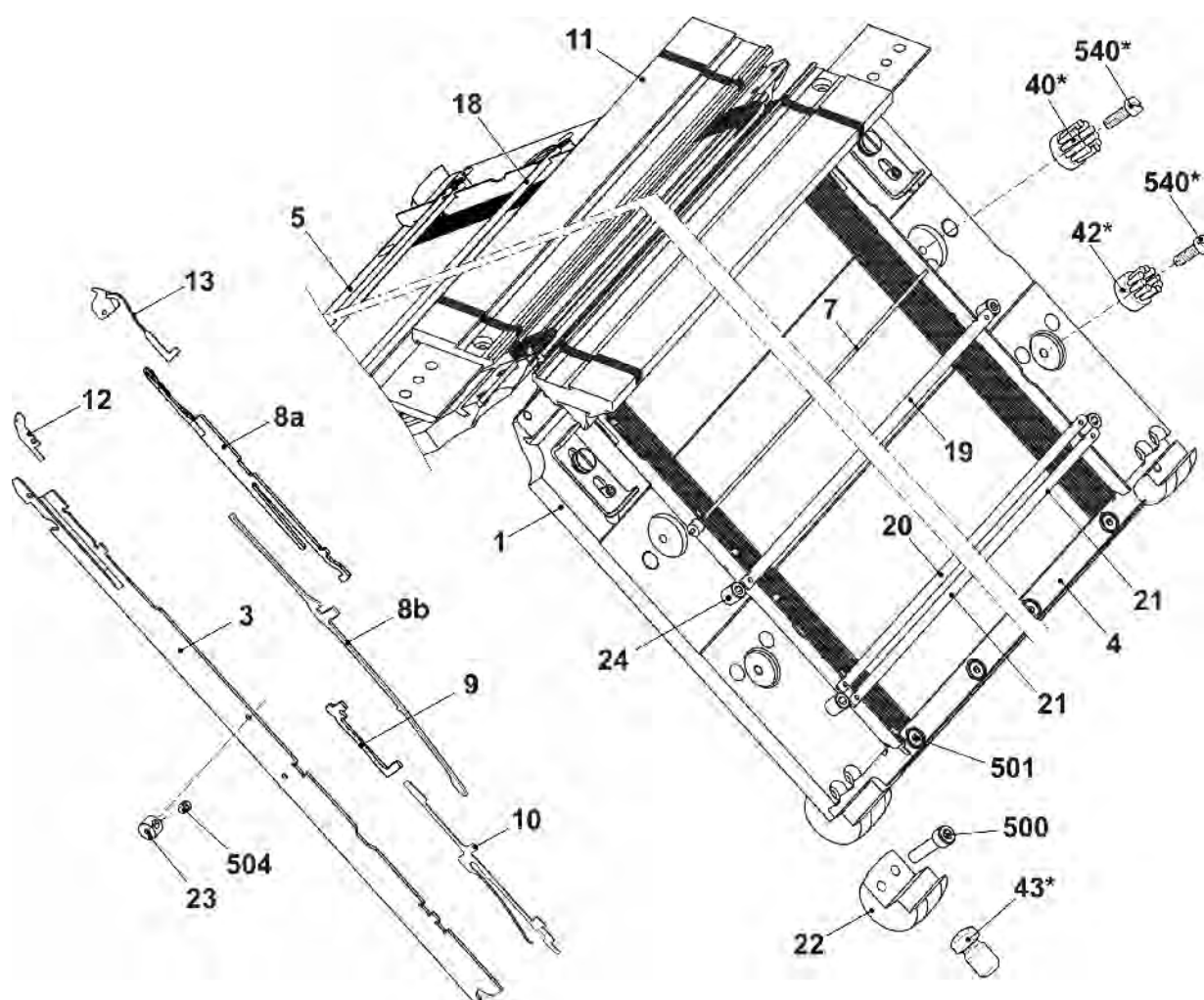
4.1.2 Additional needle bed E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional needle bed complete E12	269 928	5	Needle bar on the left	266 747
1	Transfer cam selection bottom E12-14	230 234	6	Needle bar on the right	266 748
2	Transfer cam selection at the top E12-14	230 233	8	Spring steel wire ø2.0 mm	213 996
3	Additional needle bed at the front and rear E12	269 927	9	Cover rail at the right	266 754
4	Cover rail at the left	266 753	10	Screw M5x6	235 871



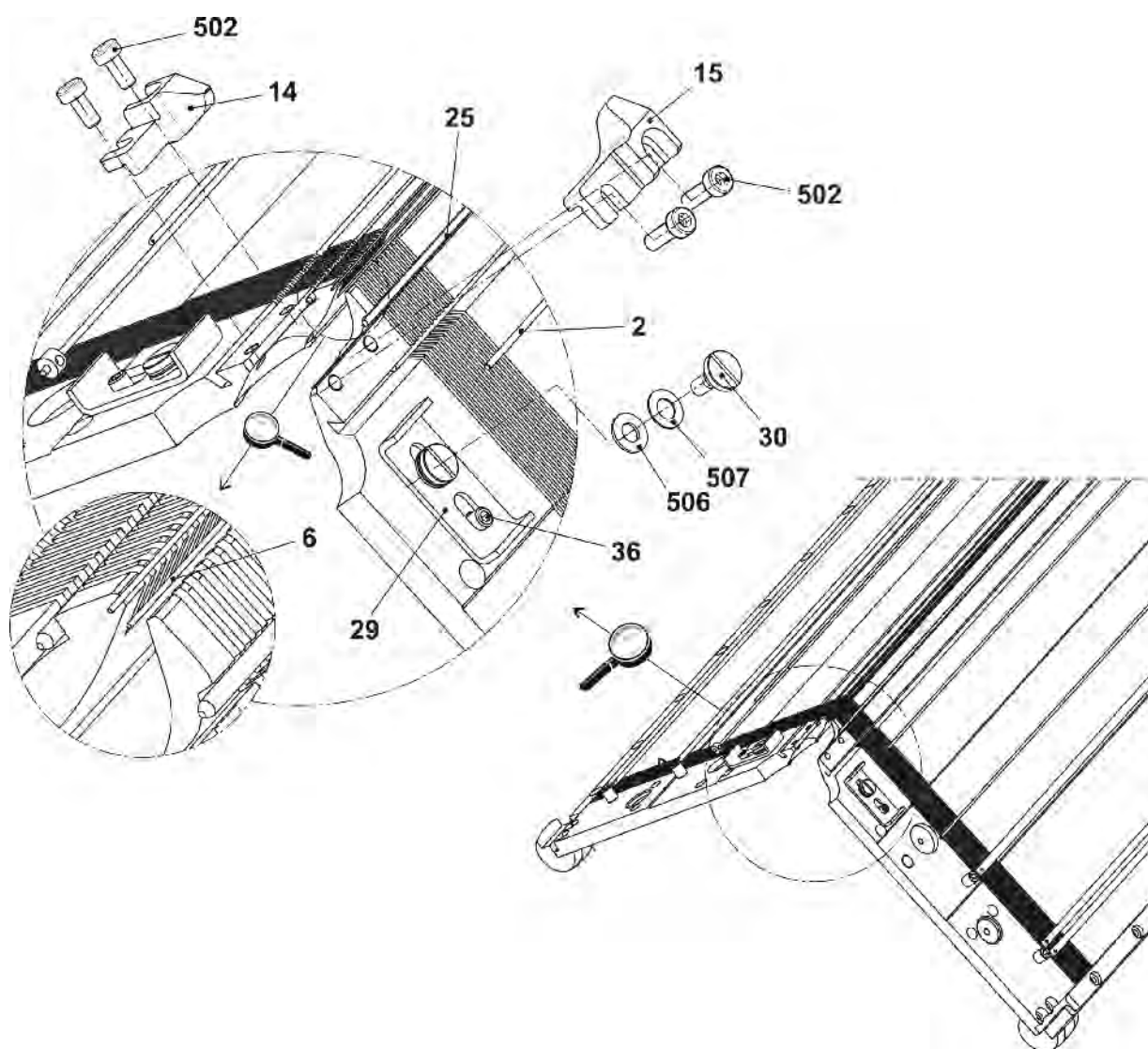
4.2 Needle bed E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed at the front and rear complete E12m.10	268 938			
1	Needle bed at the front + rear E12	227 426	19	Cover rail at the front E12	214 037
3	Main trick wall E12	231 771	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	21	Cover rail	213 763
5	Pressure strip at the rear E5-14	219 537	22	Support	241 339
7	Spring steel wire ø2,0 mm	213 996	23	Bush	206 090
8a	Needle E10	204 009	24	Stop screw	214 039
8b	Coupling part E12	253 382	500	Cap screw M6x14	022 658
9	Intermediate slider with brake E12	237 324	501	Cap screw M5x8	023 379
10	Selection jack with spring E12	200 688	504	Setscrew M3,5x3	020 512
11	Additional needle bed complete E12m.10	268 894	40*	Disk brush	235 612
12	Knock-over bit E12	219 281	42*	Disk brush	202 600
13	Holding-down jack trick wall E12	227 106	43*	Adjusting bolt	240 765
18	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



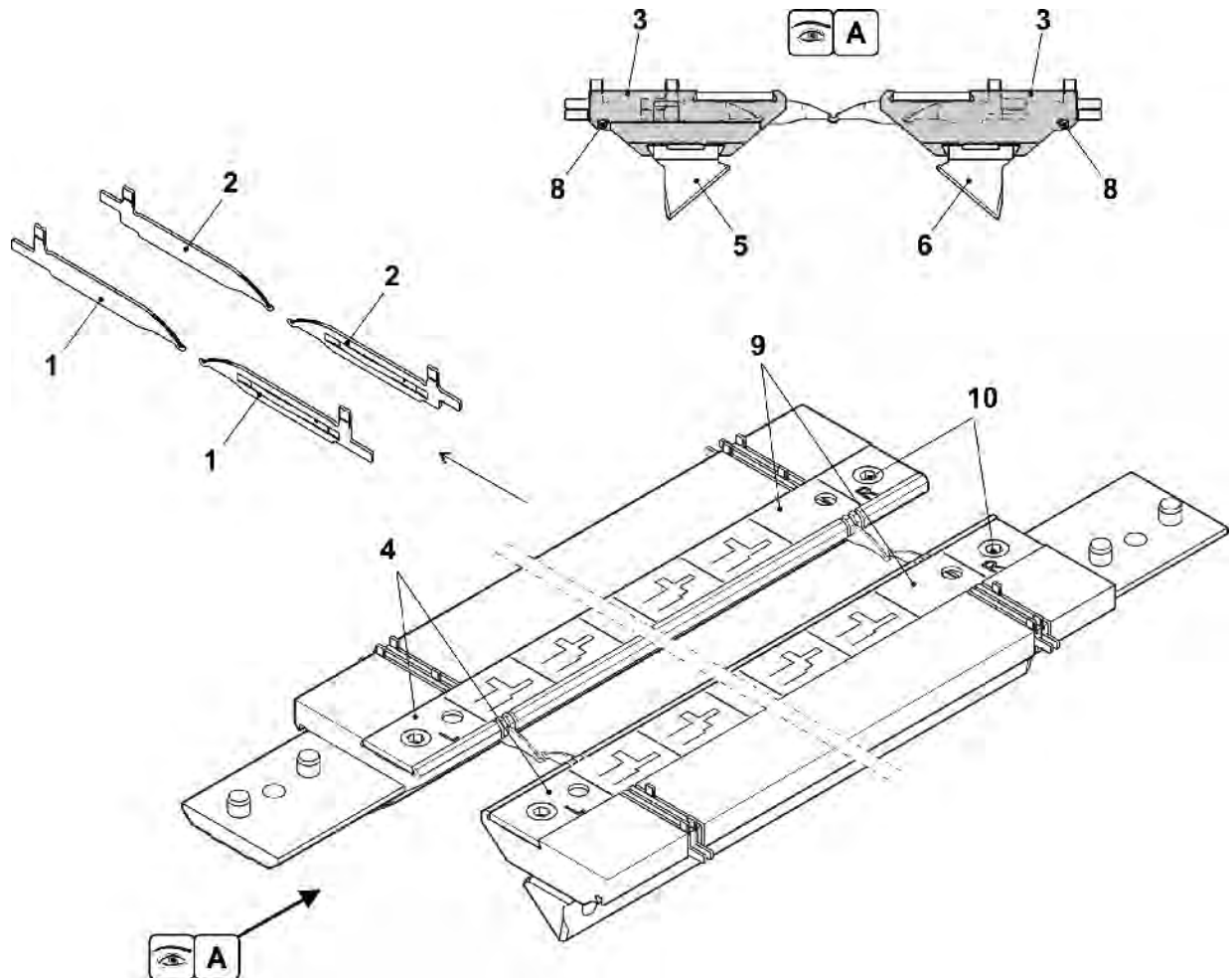
4.2.1 Continuation needle bed E12m.10

Pos	Designation	ID	Pos	Designation	ID
2	Locating wire ø3,4 mm	213 995	30	Shoulder screw	219 958
6	Spring steel wire ø0,6 mm, E10-14	213 990	36	Eccentric	231 069
14	Limiter on the right E10-14	243 202	502	Cap screw M5x10	022 918
15	Limiter on the left E10-14	243 201	506	Shim ring 6x12x1	023 444
25	Spring steel wire ø1,95 mm	213 997	507	Spring washer B6-FST	023 493
29	Safety plate	219 955			



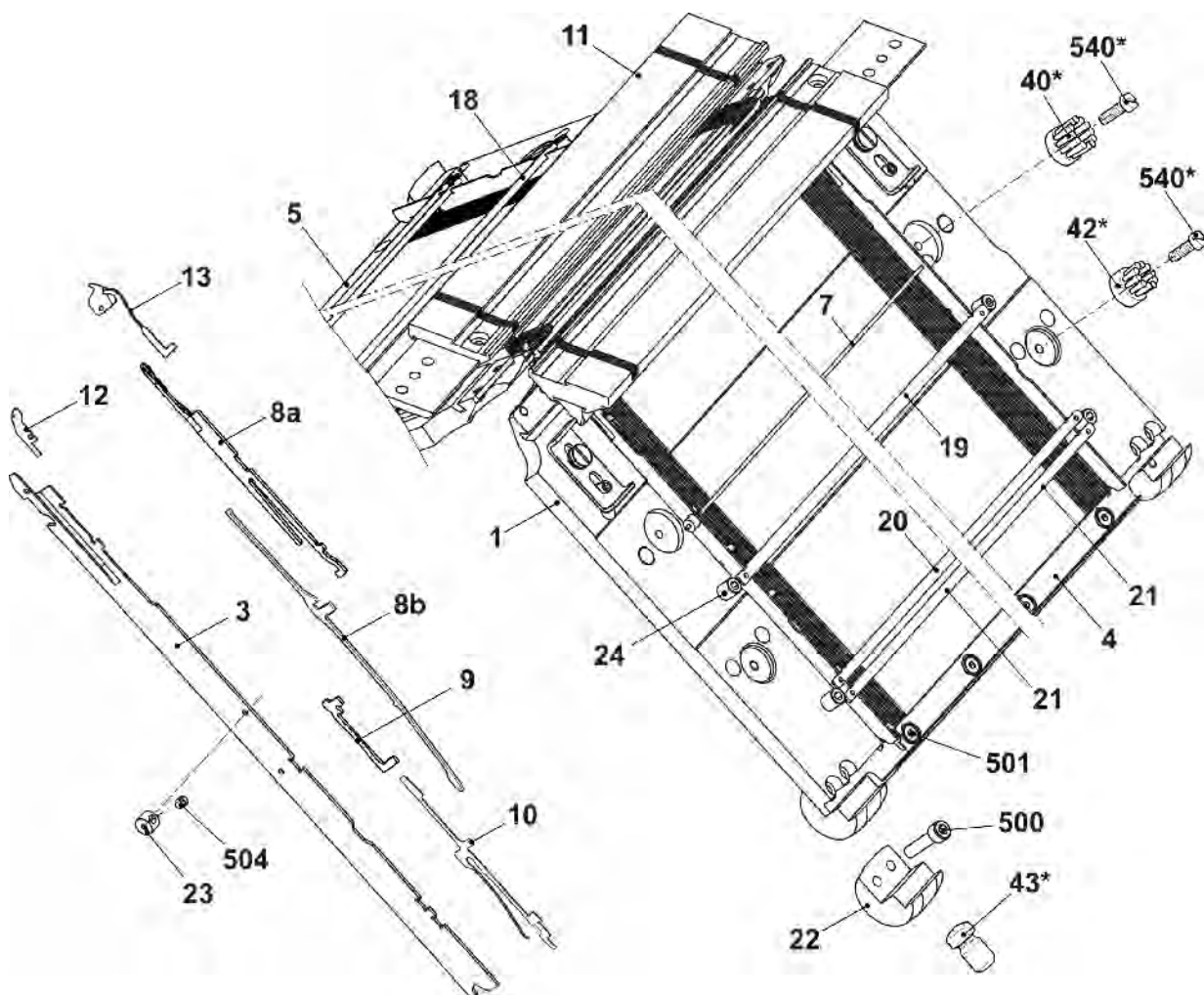
4.2.2 Additional needle bed E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional needle bed complete E12m.10	268 894	5	Needle bar on the left	266 747
1	Transfer cam selection bottom E10	230 692	6	Needle bar on the right	266 748
2	Transfer cam selection at the top E10	230 691	8	Spring steel wire ø2.0 mm	213 996
3	Additional needle bed at the front and rear E12m.10	268 893	9	Cover rail at the right	266 754
4	Cover rail at the left	266 753	10	Screw M5x6	235 871



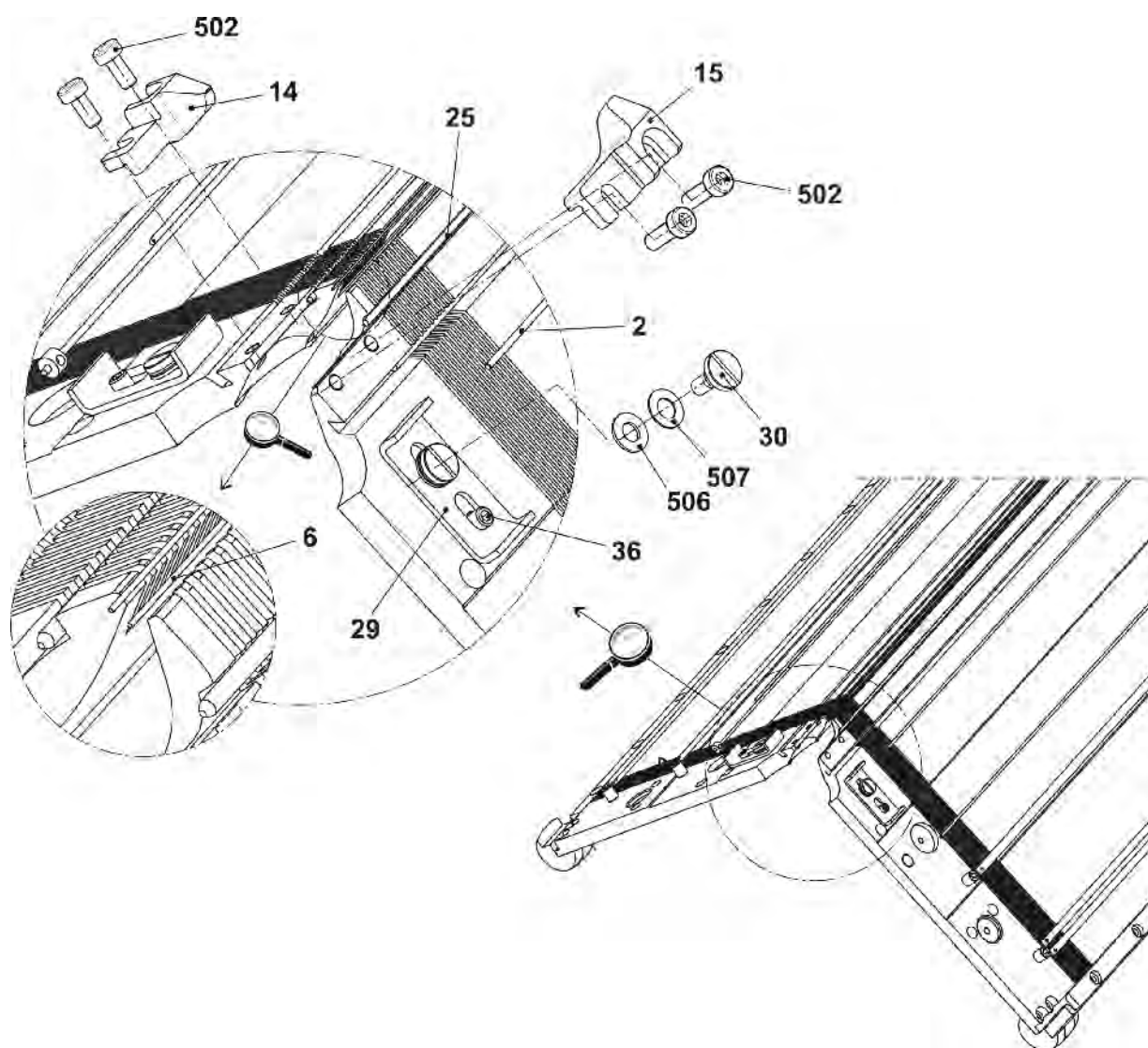
4.3 Needle bed E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed at the front and rear complete E14	266 899			
1	Needle bed at the front + rear E14	266 897	19	Cover rail at the front E14	214 038
3	Main trick wall E14	231 772	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	21	Cover rail	213 763
5	Pressure strip at the rear E5-14	219 537	22	Support	241 339
7	Spring steel wire ø2,0 mm	213 996	23	Bush	206 090
8a	Needle E14	209 614	24	Stop screw	214 039
8b	Coupling part E14	253 383	500	Cap screw M6x14	022 658
9	Intermediate slider with brake E14	237 373	501	Cap screw M5x8	023 379
10	Selection jack with spring E14	224 725	504	Setscrew M3,5x3	020 512
11	Additional needle bed complete E14	266 759	40*	Disk brush	235 612
12	Knock-over bit E14	219 365	42*	Disk brush	202 600
13	Holding-down jack trick wall E14	227 575	43*	Adjusting bolt	240 765
18	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



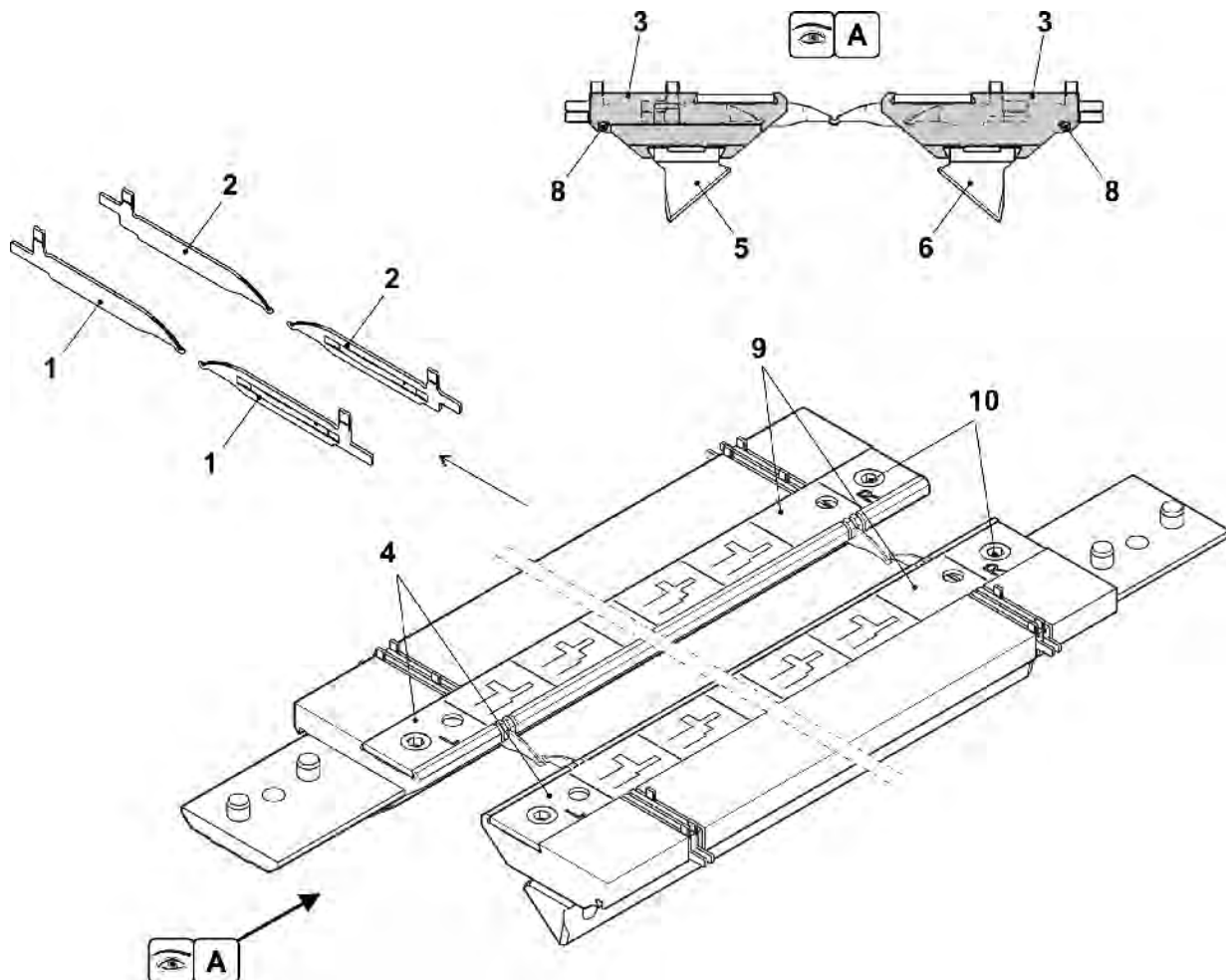
4.3.1 Continuation needle bed E14

Pos	Designation	ID	Pos	Designation	ID
2	Locating wire $\varnothing 3,4$ mm	213 995	30	Shoulder screw	219 958
6	Spring steel wire $\varnothing 0,6$ mm, E10-14	213 990	36	Eccentric	231 069
14	Limiter on the right E10-14	243 202	502	Cap screw M5x10	022 918
15	Limiter on the left E10-14	243 201	506	Shim ring 6x12x1	023 444
25	Spring steel wire $\varnothing 1,95$ mm	213 997	507	Spring washer B6-FST	023 493
29	Safety plate	219 955			



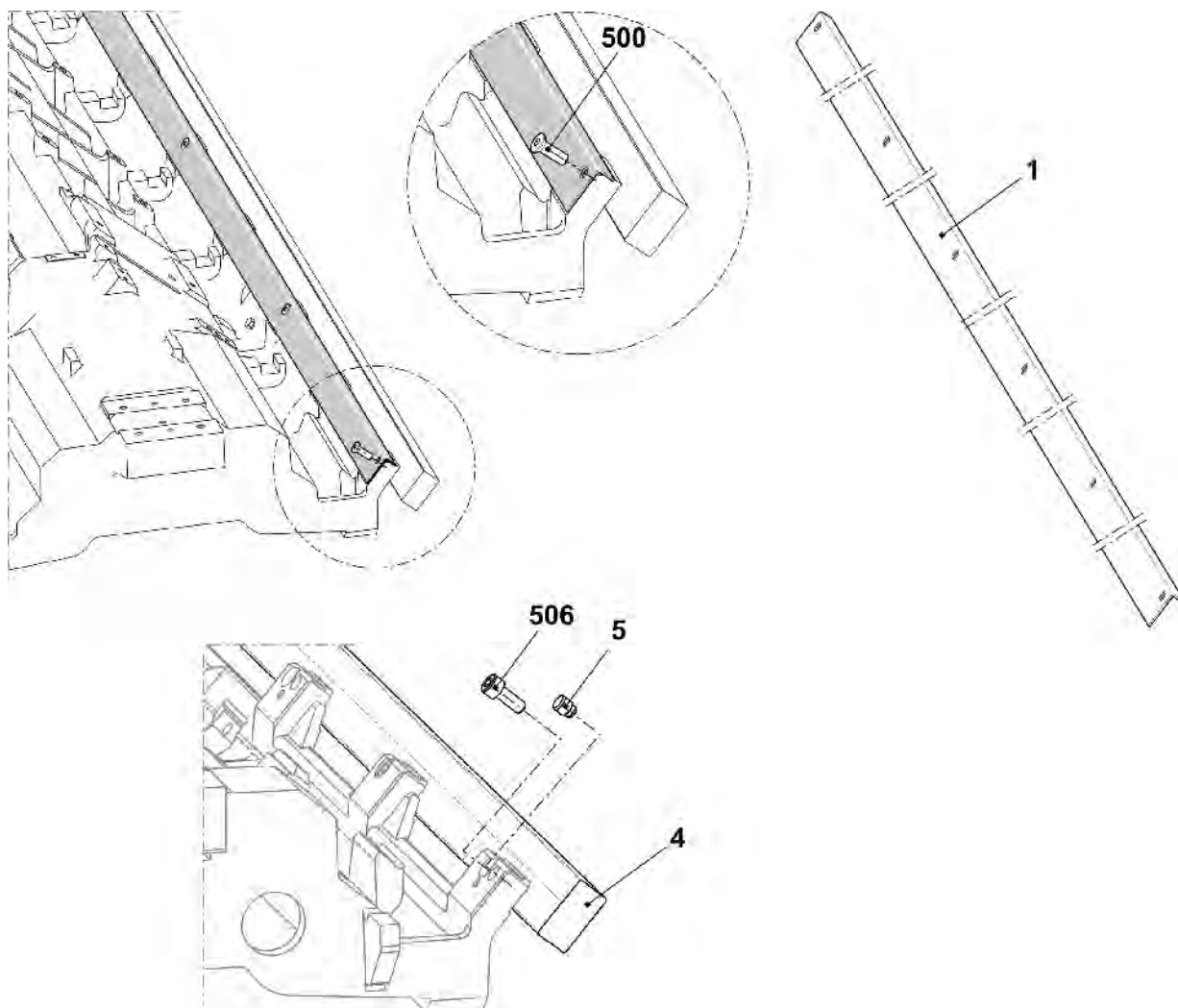
4.3.2 Additional needle bed E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional needle bed complete E14	266 759	5	Needle bar on the left	266 747
1	Transfer cam selection bottom E12-14	230 234	6	Needle bar on the right	266 748
2	Transfer cam selection at the top E12-14	230 233	8	Spring steel wire ø2.0 mm	213 996
3	Additional needle bed at the front and rear E14+7.2	266 743	9	Cover rail at the right	266 754
4	Cover rail at the left	266 753	10	Screw M5x6	235 871



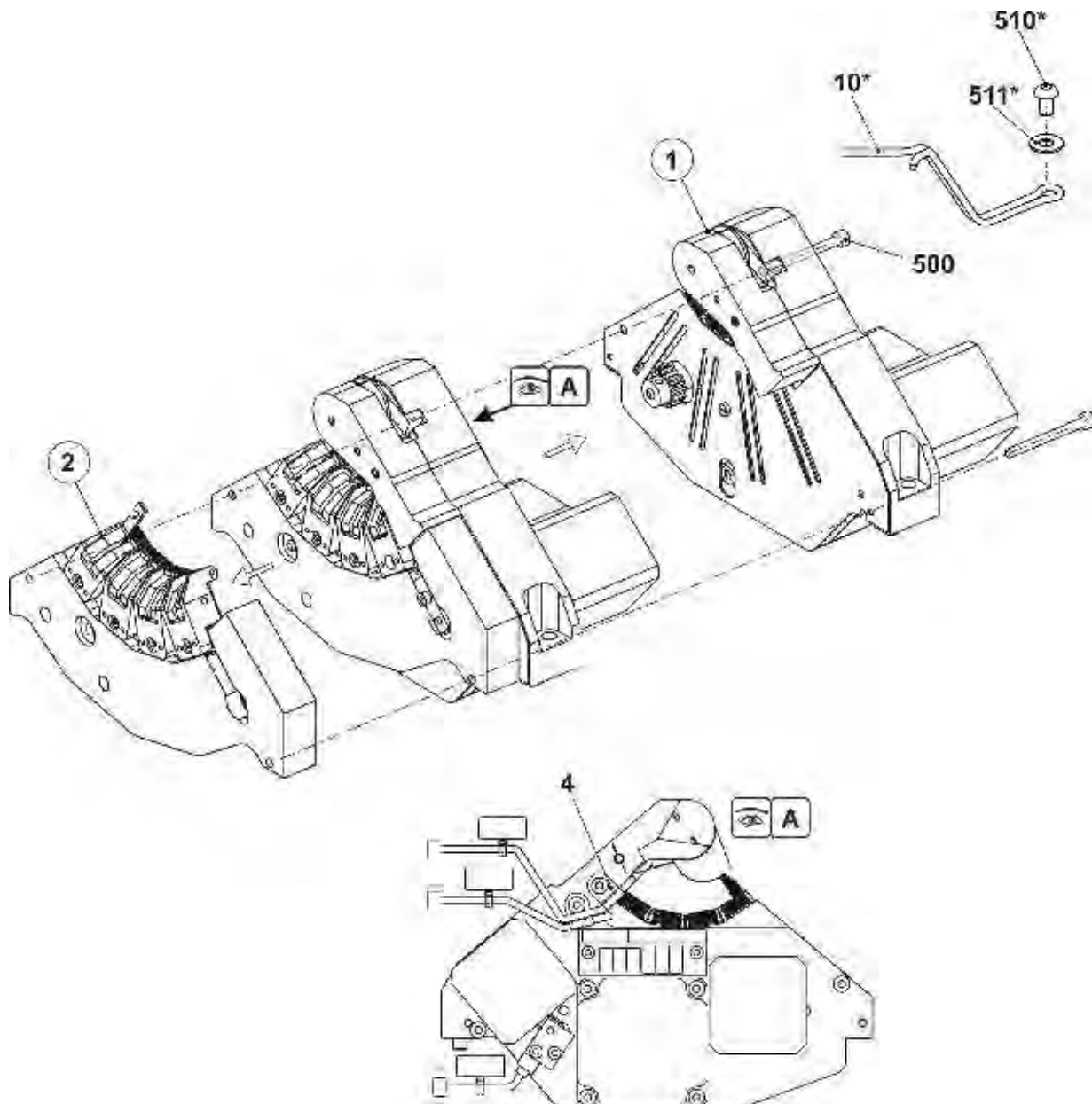
4.4 Cover and carriage guide bar

Pos	Designation	ID	Pos	Designation	ID
1	Cover	251 112	500	Countersunk head screw M4x12	023 062
4	Carriage guide rail	241 236	506	Cap screw M8x20	020 141
5	Adjusting bolt	241 218			



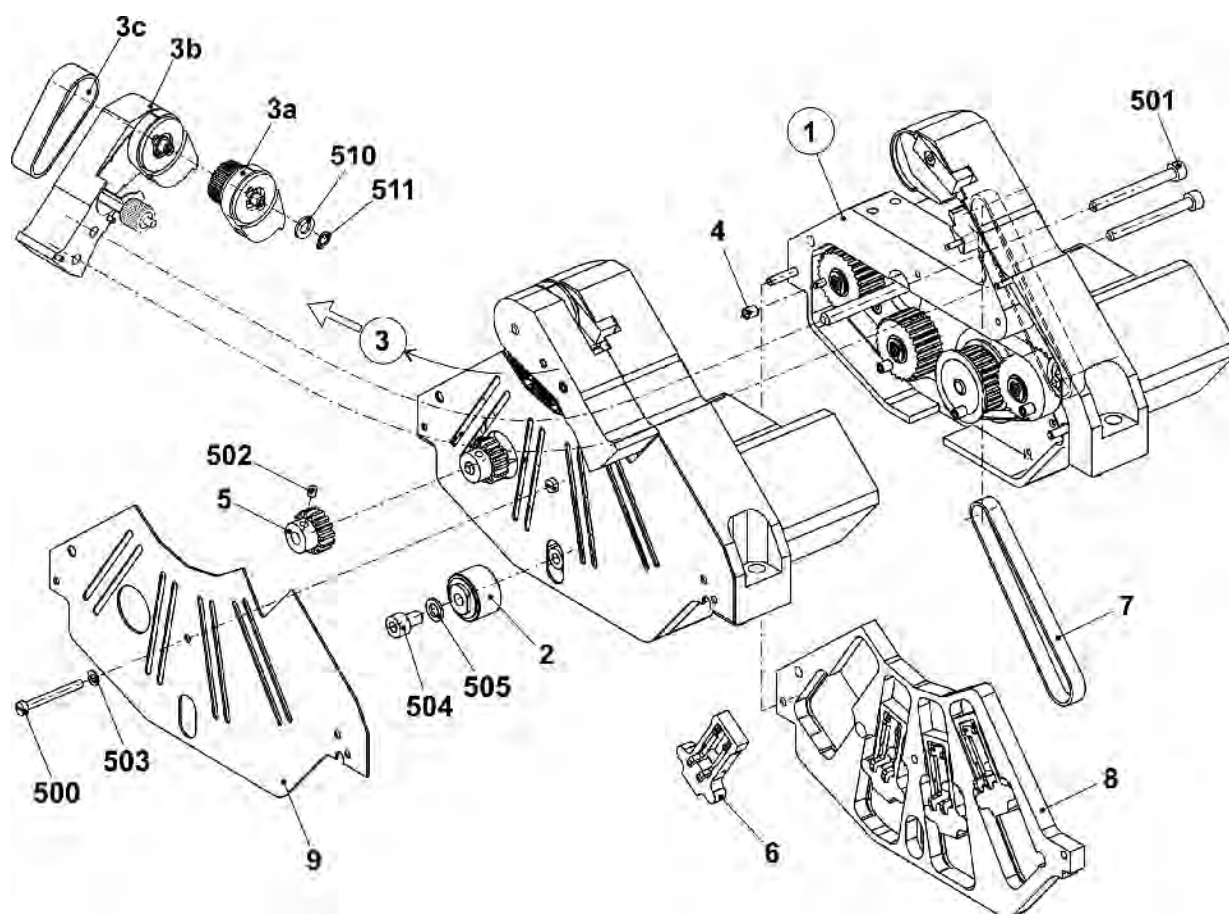
4.5 Thread clamping and cutting device

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting complete	214 257	10*	Bow	231 795
1	Crankcase complete	214 188	500	Cap screw M4x45	023 419
2	Selection housing complete	214 256	510*	Pan-head screw M6x10	023 183
4	Fastening clip 225/3,2	008 321	511*	Washer 6,4x15x1	020 902



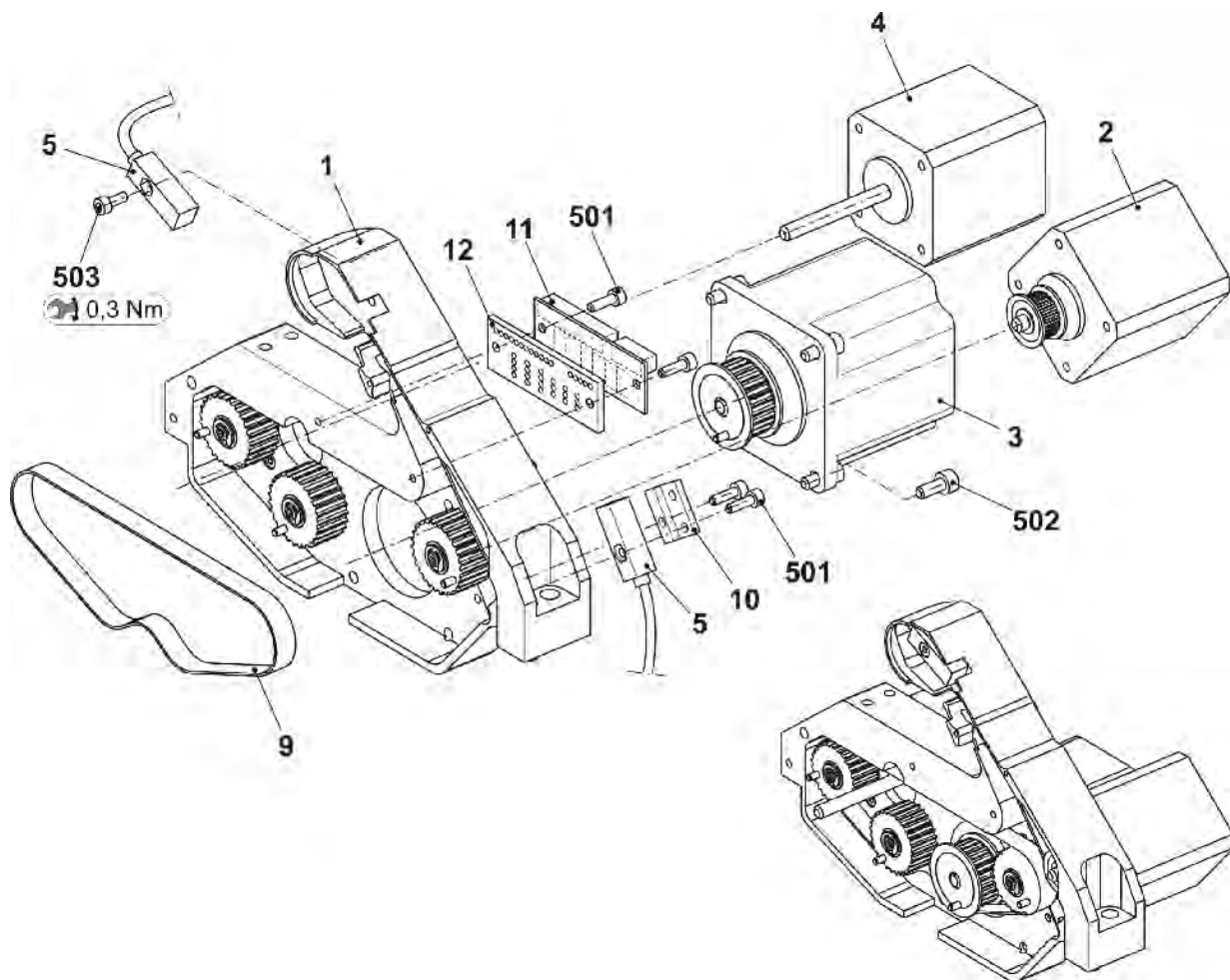
4.5.1 Crankcase

Pos	Designation	Id	Pos	Designation	Id
Σ	Crankcase complete	214 188			
1	Crankcase	215 078	6	Connecting rod slide complete	214 191
2	Tension roller complete	221 211	7	Toothed belt6M182	213 890
3	Finger support complete	235 501	8	Guiding plate	214 185
3a	Transport segment complete	235 500	9	Intermediate plate	214 704
3b	Finger support	234 993	500	Cap screw M3x28	022 350
3c	Toothed belt6M111	213 889	501	Cap screw M4x40	023 095
510	Washer A5,3	020 871	502	Setscrew M3x4-45H	022 674
511	Retaining ring5x0,6	023 347	503	Washer 3,2	020 877
4	Sleeve	214 240	504	Cap screw M5x8	023 319
5	Spur gear	213 893	505	Washer 5,3	020 880



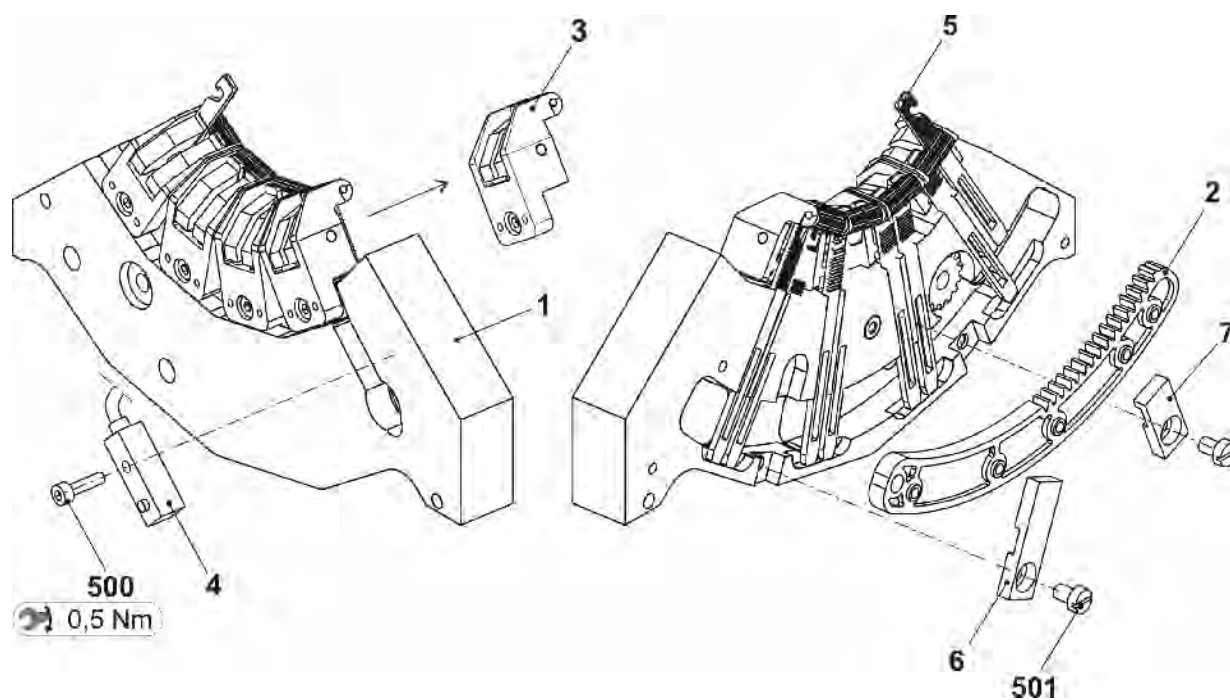
4.5.1.1 Crankcase with drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Crankcase	215 078			
1	Crankcase	214 182	10	Sensor switch	213 721
2	Transport segment motor complete	213 815	11	Connector board	222 822
3	Step motor complete	213 819	12	Insulating plate	222 933
4	Step motor PK245	213 732	501	Cap screw M3x10	022 991
5	Proximity switch inductive	222 821	502	Cap screw M4x10	023 136
9	Toothed belt80S3M300NG	213 891	503	Cap screw M3x8	022 582



4.5.2 Selection housing

Pos	Designation	Id	Pos	Designation	Id
Σ	Selection housing complete	214 256	5	Clamping and cutting needle	216 408
1	Selection housing	214 288	6	Bridge on the left	224 698
2	Selection slide	227 073	7	Bridge on the right	224 701
3	Blade holder complete	251 720	500	Cap screw M3x12	022 648
4	Approximate switch inductive	222 821	501	Cap screw M4x6	020 019

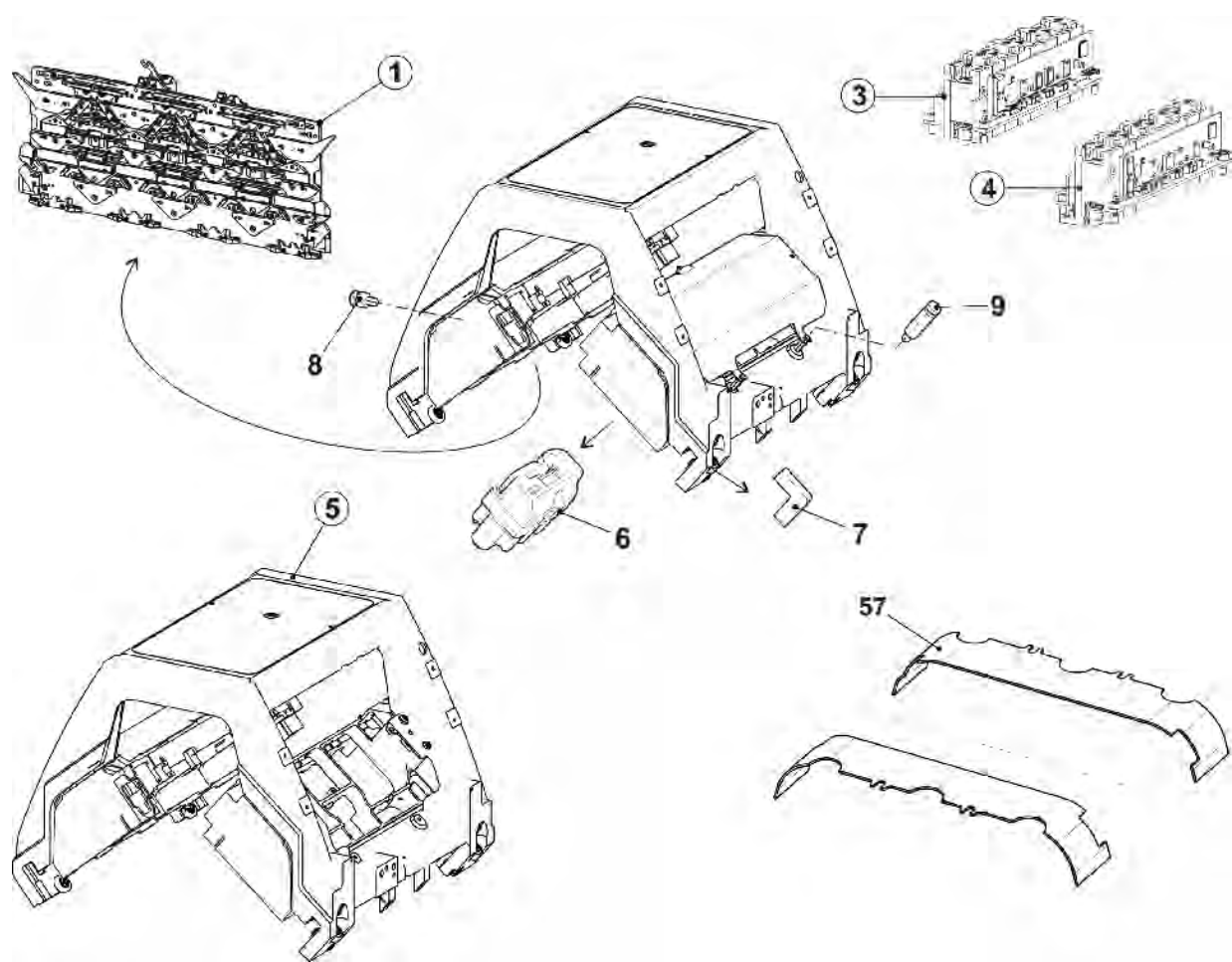


5 Carriage



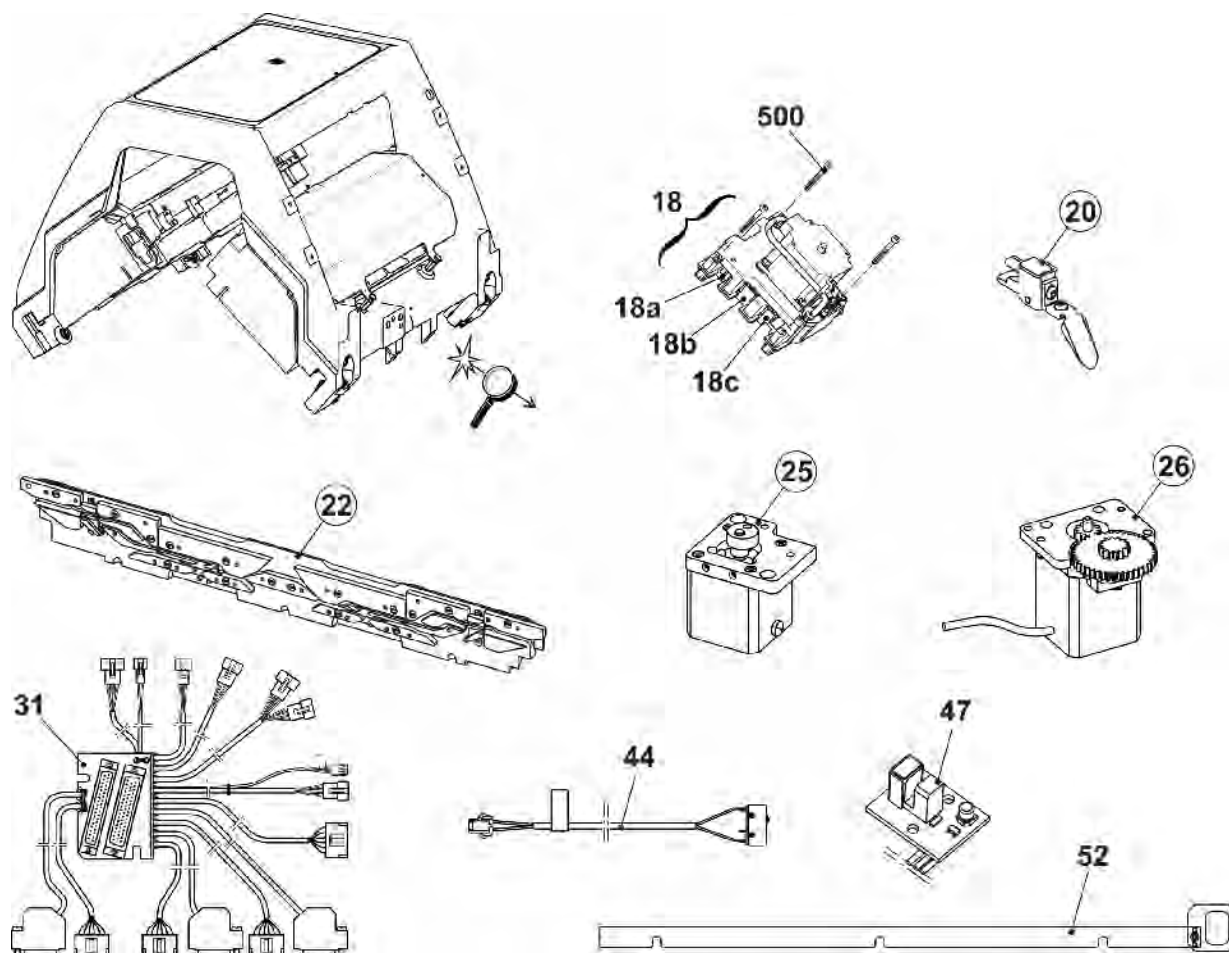
5.1 Overview of Carriage Parts

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage complete				
	E12	256 405	3	FF driving outside complete	245 297
	E12m.10	268 939	4	FF driving in the middle complete	245 298
	E14	256 406	5	Carriage assembly 3 cam boxes complete	256 502
1	Cam box at the front complete E12	244 639	6	Selection system complete E10-12	216 219
	Cam box at the rear complete E12	244 640		Selection system complete E14	229 300
	Cam box at the front complete E12m.10	268 945	7	Wiper (felt)	241 411
	Cam box at the rear complete E12m.10	268 946	8	Bolts	212 392
	Cam box complete E14	244 022	9	Bolts	243 171
			11	Cover plate at the top	265 390



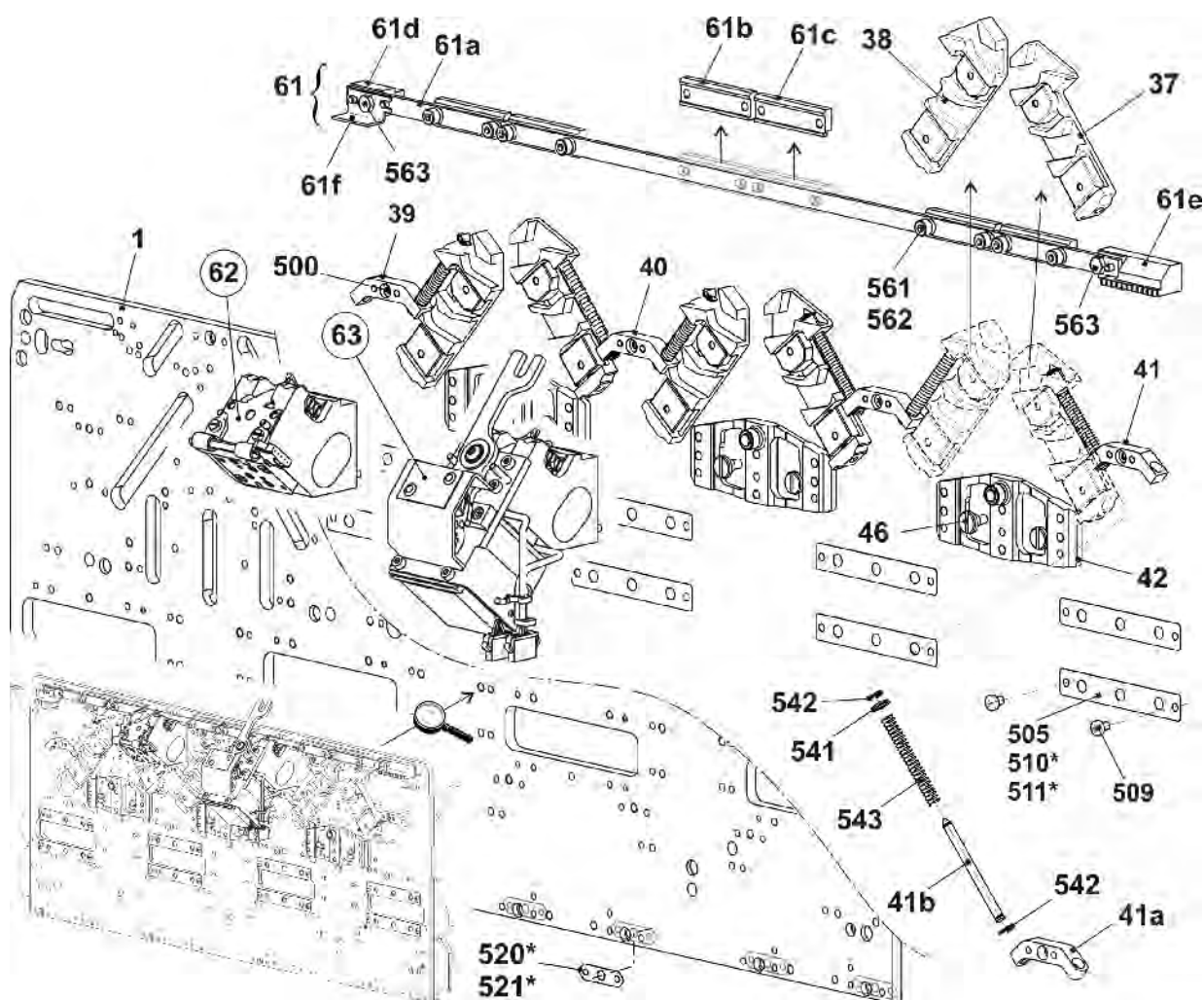
5.2 Continuation of carriage parts

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage complete				
	E12	256 405	22	Additional cam complete E10-14	224 857
	E12m.10	268 939	25	Control unit brush	224 631
	E14	256 406	26	Control unit holding-down jack	223 380
18	Motor unit complete	253 532	31	Distributor 730T 6Z okc3	259 676
	18a Gear rack at the top	209 781	44	Cable of needle detector complete	224 655
	18b Gear rack in the middle	209 782	47	Card light barrier NP	225 087
	18c Gear rack at the bottom	209 783	52	Sliding rod complete	225 753
20	Needle detector complete	226 969	500	Screw M4x30	023 290



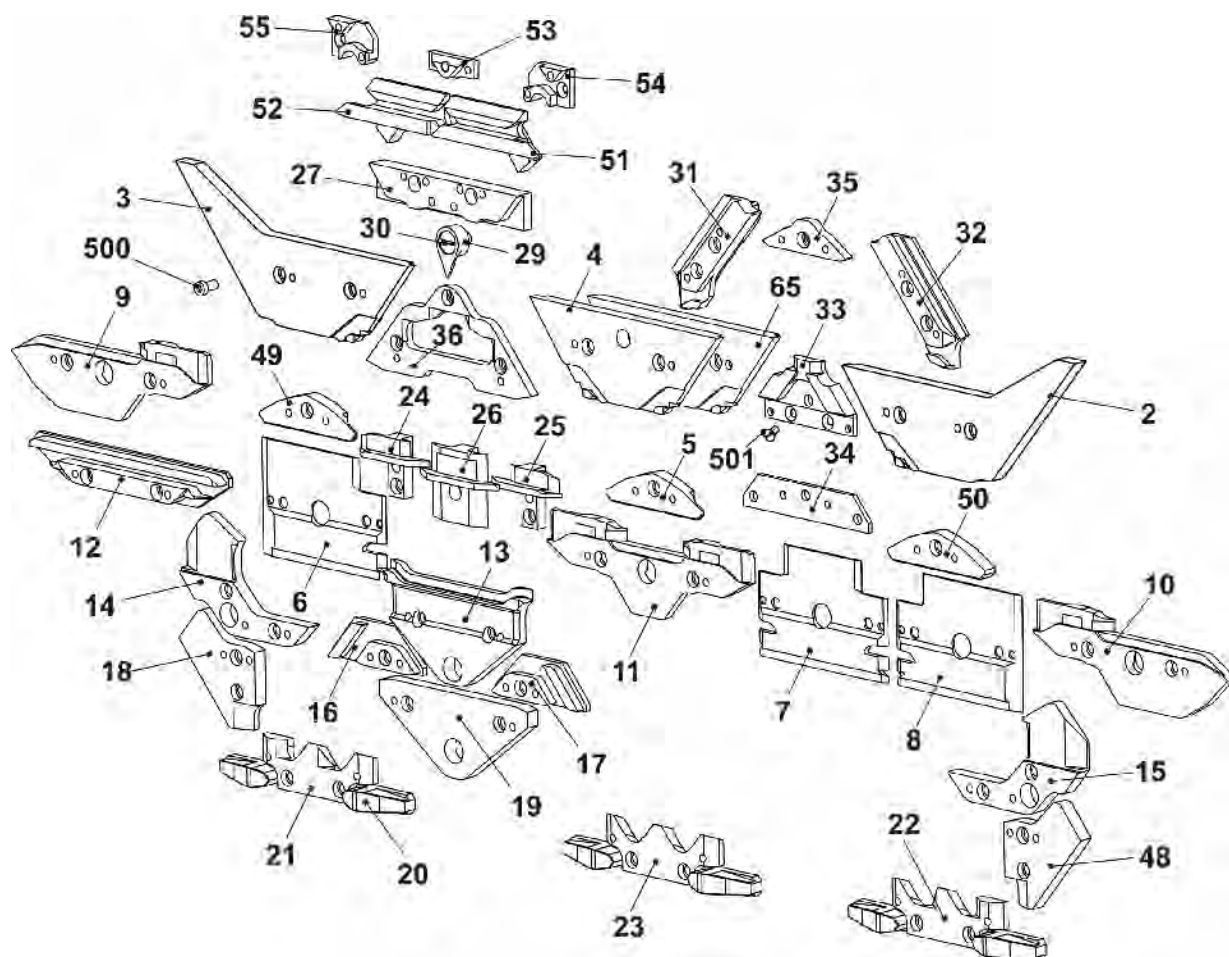
5.2.1 Cam parts E12 (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete E12	244 639			
	Cam box at the rear complete E12	244 640			
1	Cam plate	242 337	61	61a Control slide	219 914
37	Loop sinking cam on the right completeE12-14	219 994		61b Control part on the left	228 825
38	Loop sinking cam on the left completeE12-14	219 993		61c Control part on the right	228 826
39	Rod guide element on the left	211 165		61d Guide part on the left E5-14	219 650
40	Rod guide element in the middle	211 166		61e Guiding part on the right	222 857
41	Rod guide element on the right	211 168		61f Switch strip	225 115
41a	Rod guide part6 Zoll	263 919	561	Cap screw M4x8	022 501
41b	Spring rod	209 791	562	Washer 4,3x7x2,0	023 597
541	Disk1,5x6x0,5	022 893	563	Hexagon screw M4x8	022 461
542	Circlip 3,2	021 019	62	Supporting block on the left complete	219 995
543	Compression spring	250 515	63	Control unit complete	227 285
42	Switching piece	240 281	505	Shim0,5x12x75	236 654
46	Shoulder screw	239 626	510*	Shim0,03x12x75	022 828
509	Pan-head screw M3x4	023 142	511*	Shim0,05x12x75	022 829
61	Control slide complete	219 998	520*	Shim0,03x8x28	023 452
			521*	Shim0,05x8x28	023 020



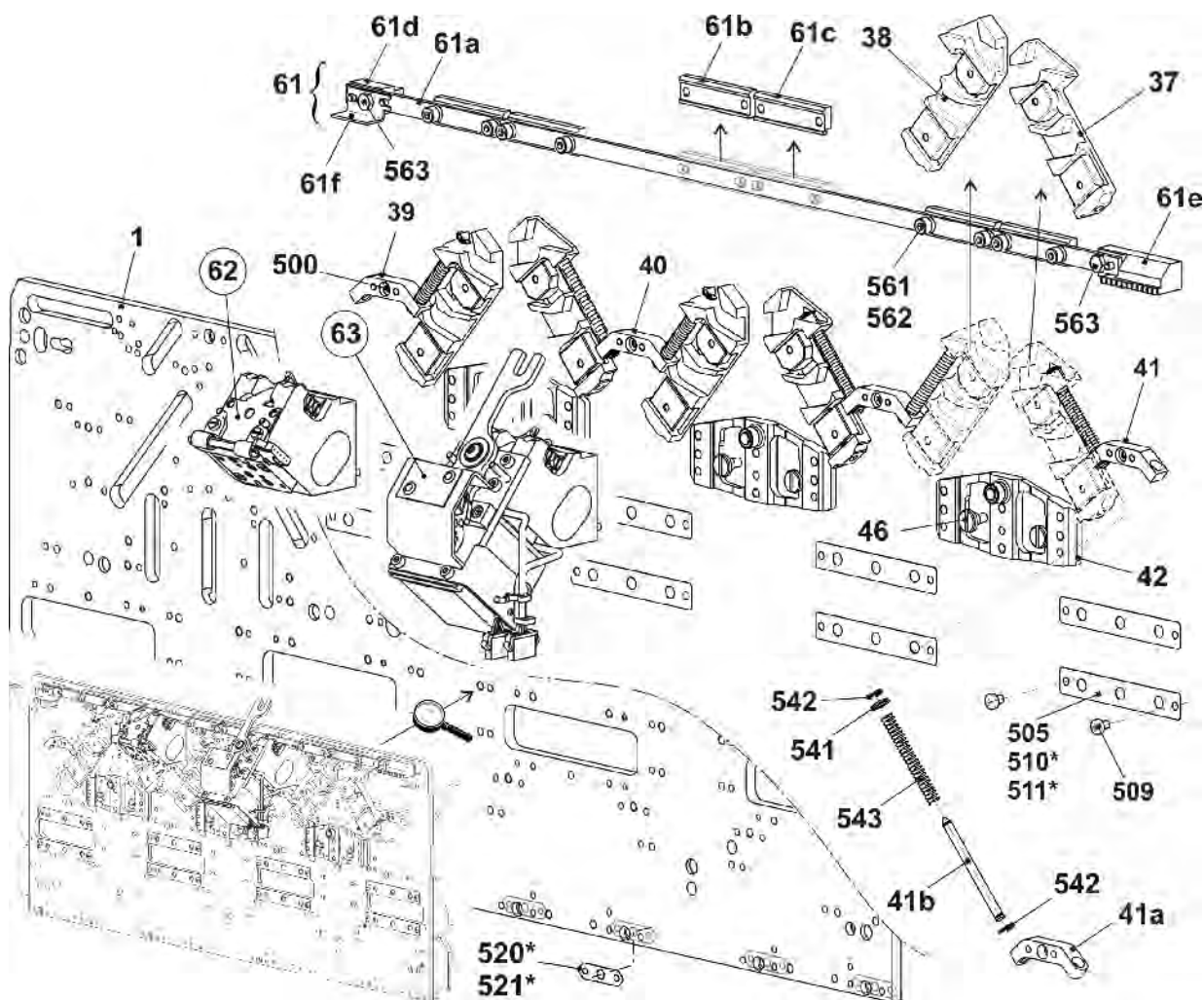
5.2.1.1 Cam parts E12 (Bottom side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete E12	244 639	24	Pressure cam receiving on the left	239 848
	Cam box at the rear complete E12	244 640	25	Pressure cam receiving on the right	239 849
2	Entry cam on the right pulling	224 767	26	Tuck pressure cam	239 621
3	Entry cam on the left pulling	224 766	27	Limiting cam E12-14	219 937
4	Entry cam at the top pulling	224 572	29	Pointer E10-14	210 349
5	Entry cam at the bottom -1,5 E10-14	216 328	30	Screw	210 335
6	Plate on the left	230 988	31	Stitch cam on the left E10-14	236 318
7	Plate in the middle	231 035	32	Stitch cam on the right E10-14 (front)	236 319
8	Plate on the right	231 036		Stitch cam at the rear on the right R/R E10-14	236 320
9	Cam on the left	231 039	33	Tuck limiting cam E12	236 403
10	Cam part at the right	231 041	34	Raising cam plate E4-12	204 372
11	Cam part at the center	231 040	35	Receiving cam E6.2	218 433
12	Cam part	227 923	36	Raising cam without split-stitch E6.2	218 434
13	Cam part	210 254		Raising cam with split-stitch (Accessories)	222 038
14	Cam on the left E5-14	212 265	48	Cam part at the right	259 767
15	Cam at the right E5-14	212 266	49	Entry cam on the left -1,5 E10-14	216 329
16	Cam on the left	236 192	50	Entry cam on the right -1,5 E10-14	216 330
17	Cam part at the right	236 193	51	Jack slider on the right	242 001
18	Cam on the left	259 766	52	Jack slider on the left	242 000
19	Cam part	210 252	53	Jack opener	219 434
20	Offering cam	210 185	54	Floating cam at the right E12-14	227 278
21	Selection cam on the left	212 944	55	Floating cam at the left E12-14	227 277
22	Selection cam on the right	212 947	65	Entry cam at the top pulling	225 333
23	Selection cam	212 946	500	Cap screw M4x8	020 091
			501	Countersunk screw M3x6	020 286



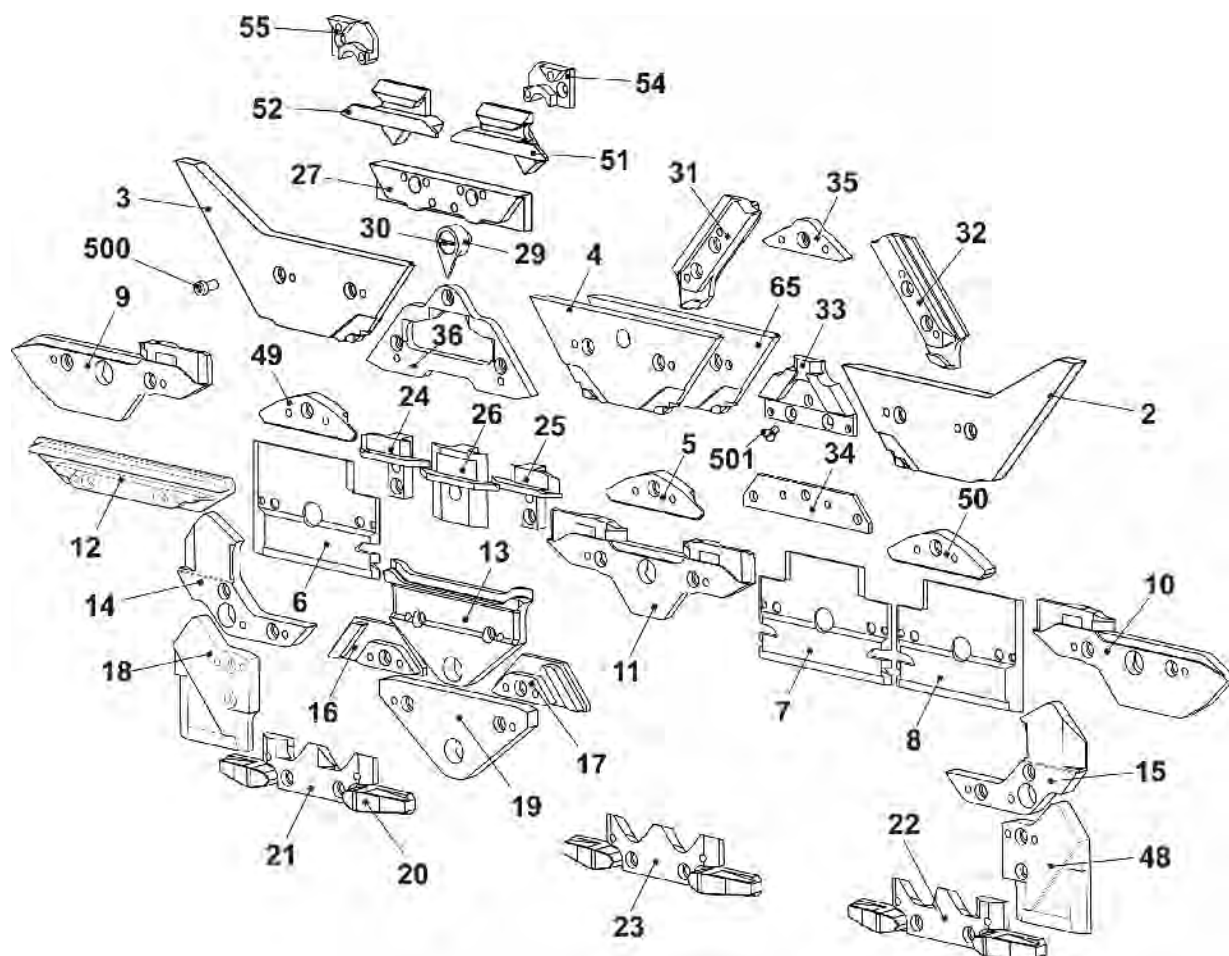
5.2.2 Cam parts E12m.10 (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete	268 945			
	Cam box at the rear complete	268 946			
1	Cam plate	242 337	61	61a Control slide	219 914
37	Loop sinking cam on the right complete	219 994		61b Control part on the left	228 825
38	Loop sinking cam on the left complete	219 993		61c Control part on the right	228 826
39	Rod guide element on the left	211 165		61d Guide part on the left E5-14	219 650
40	Rod guide element in the middle	211 166		61e Guiding part on the right	222 857
41	Rod guide element on the right	211 168		61f Switch strip	225 115
	41a Rod guide part	263 919		561 Cap screw M4x8	022 501
	41b Spring rod	209 791		562 Washer 4,3x7x2,0	023 597
541	Disk 1,5x6x0,5	022 893		563 Hexagon screw M4x8	022 461
542	Circlip 3,2	021 019	62	Supporting block on the left complete	219 995
543	Compression spring	250 515	63	Control unit complete	227 285
42	Switching piece	240 281	505	Shim 0,5x12x75	236 654
46	Shoulder screw	239 626	510*	Shim 0,03x12x75	022 828
509	Pan head screw M3x4	023 142	511*	Shim 0,05x12x75	022 829
61	Control slide complete	219 998	520*	Shim 0,03x8x28	023 452
			521*	Shim 0,05x8x28	023 020



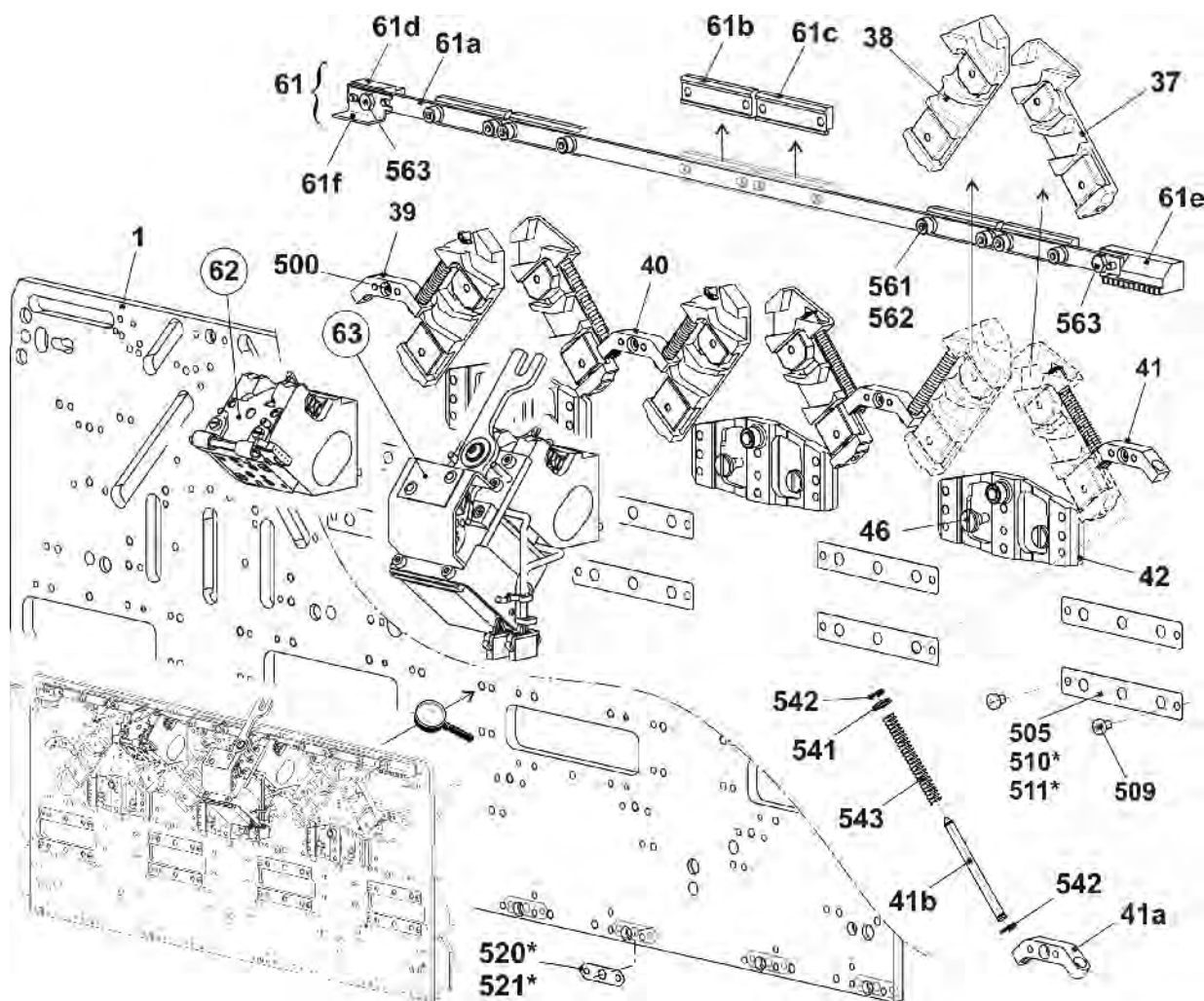
5.2.2.1 Cam parts E12m.10 (Bottom side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete	268 945	24	Pressure cam receiving on the left	239 848
	Cam box at the rear complete	268 946	25	Pressure cam receiving on the right	239 849
2	Entry cam on the right pulling	224 767	26	Tuck pressure cam	239 621
3	Entry cam on the left pulling	224 766	27	Limiting cam E10	219 931
4	Entry cam at the top pulling	224 572	29	Pointer E10-14	210 349
5	Entry cam at the bottom -1,5 E10-14	216 328	30	Screw	210 335
6	Plate on the left	260 605	31	Stitch cam on the left E10-14	236 318
7	Plate in the middle	260 604	32	Stitch cam on the right E10-14 (front)	236 319
8	Plate on the right	260 606		Stitch cam at the rear on the right R/R E10-14	236 320
9	Cam on the left	231 039	33	Tuck limiting cam E10	236 345
10	Cam part at the right	231 041	34	Raising cam plate E4-12	204 372
11	Cam part at the center	231 040	35	Receiving cam E6.2	218 433
12	Cam part	260 592	36	Raising cam without split-stitch E6.2	218 434
13	Cam part	210 254		Raising cam with split-stitch (Accessories)	222 038
14	Cam on the left E5-14	212 265	48	Cam part at the right	212 275
15	Cam at the right E5-14	212 266	49	Entry cam on the left -1,5 E10-14	216 329
16	Cam on the left	236 192	50	Entry cam on the right -1,5 E10-14	216 330
17	Cam part at the right	236 193	51	Jack slider on the right	242 001
18	Cam on the left	212 274	52	Jack slider on the left	242 000
19	Cam part	210 252	54	Floating cam at the right E12-14	227 278
20	Offering cam	210 185	55	Floating cam at the left E12-14	227 277
21	Selection cam on the left	212 944	65	Entry cam at the top pulling	225 333
22	Selection cam on the right	212 947	500	Cap screw M4x8	020 091
23	Selection cam	212 946	501	Countersunk screw M3x6	020 286



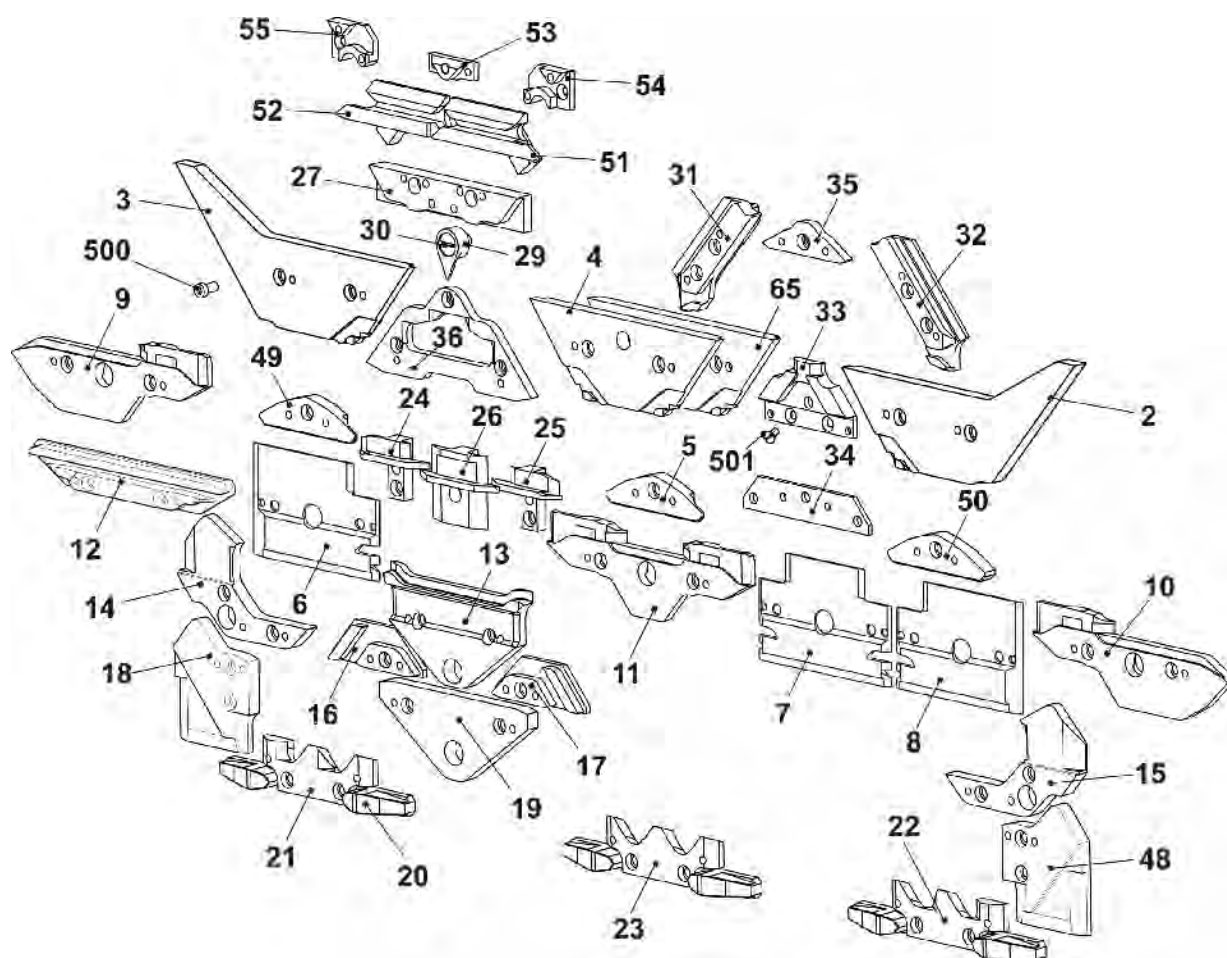
5.2.3 Cam parts E14 (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E14	244 022	61	61a Control slide	219 914
1	Cam plate	242 337	61b	Control part on the left	228 825
37	Loop sinking cam on the right completeE12-14	219 994	61c	Control part on the right	228 826
38	Loop sinking cam on the left completeE12-14	219 993	61d	Guide part on the left E5-14	219 650
39	Rod guide element on the left	211 165	61e	Guiding part on the right	222 857
40	Rod guide element in the middle	211 166	61f	Switch strip	225 115
41	Rod guide element on the right	211 168	561	Cap screw M4x8	022 501
41a	Rod guide part6 Zoll	263 919	562	Washer 4,3x7x2,0	023 597
41b	Spring rod	209 791	563	Hexagon screw M4x8	022 461
541	Disk1,5x6x0,5	022 893	62	Supporting block on the left complete	219 995
542	Circlip 3,2	021 019	63	Control unit complete	227 285
543	Compression spring	250 515	505	Shim0,5x12x75	236 654
42	Switching piece	240 281	510*	Shim0,03x12x75	022 828
46	Shoulder screw	239 626	511*	Shim0,05x12x75	022 829
509	Pan-head screw M3x4	023 142	520*	Shim0,03x8x28	023 452
61	Control slide complete	219 998	521*	Shim0,05x8x28	023 020



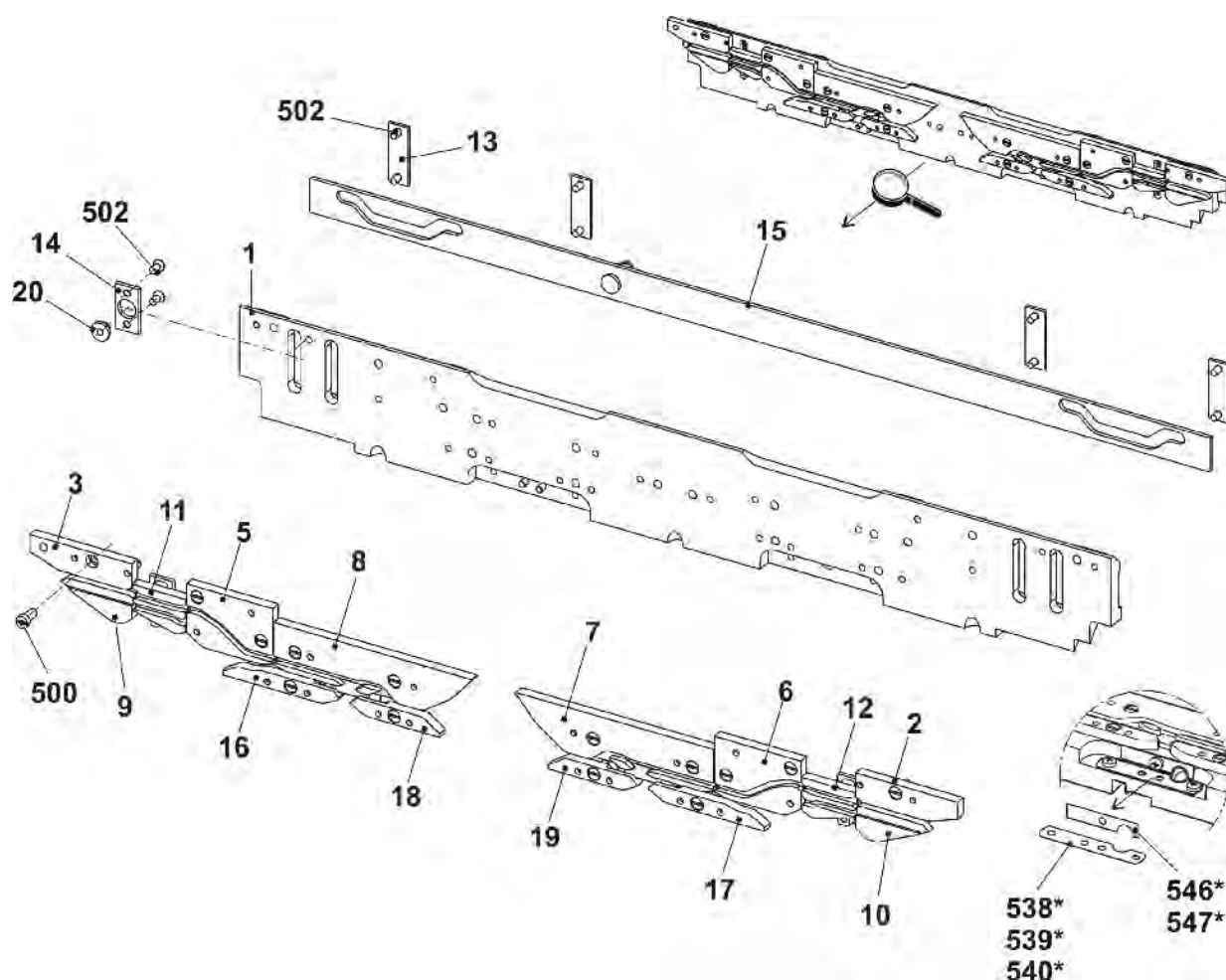
5.2.3.1 Cam parts E14 (Bottom side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E14	244 022	24	Pressure cam receiving on the left	239 848
2	Entry cam on the right pulling	224 767	25	Pressure cam receiving on the right	239 849
3	Entry cam on the left pulling	224 766	26	Tuck pressure cam	239 621
4	Entry cam at the top pulling	224 572	27	Limiting cam E12-14	219 937
5	Entry cam at the bottom -1,5 E10-14	216 328	29	Pointer E10-14	210 349
6	Plate on the left	260 605	30	Screw	210 335
7	Plate in the middle	260 604	31	Stitch cam on the left E10-14	236 318
8	Plate on the right	260 606	32	Stitch cam on the right E10-14	236 319
9	Cam on the left	231 039	33	Tuck limiting cam E14	236 428
10	Cam part at the right	231 041	34	Raising cam plate E4-12	204 372
11	Cam part at the center	231 040	35	Receiving cam E6.2	218 433
12	Cam part	260 592	36	Raising cam without split-stitch E6.2	218 434
13	Cam part	210 254		Raising cam with split-stitch (Accessories)	222 038
14	Cam on the left E5-14	212 265	48	Cam at the right E5-14	212 275
15	Cam at the right E5-14	212 266	49	Entry cam on the left -1,5 E10-14	216 329
16	Cam on the left	236 192	50	Entry cam on the right -1,5 E10-14	216 330
17	Cam part at the right	236 193	51	Jack slider on the right	242 001
18	Cam on the left E5-14	212 274	52	Jack slider on the left	242 000
19	Cam part	210 252	53	Jack opener	219 434
20	Offering cam	210 185	54	Floating cam at the right E12-14	227 278
21	Selection cam on the left	212 944	55	Floating cam at the left E12-14	227 277
22	Selection cam on the right	212 947	65	Entry cam at the top pulling	225 333
23	Selection cam	212 946	500	Cap screw M4x8	020 091
			501	Countersunk screw M3x6	020 286



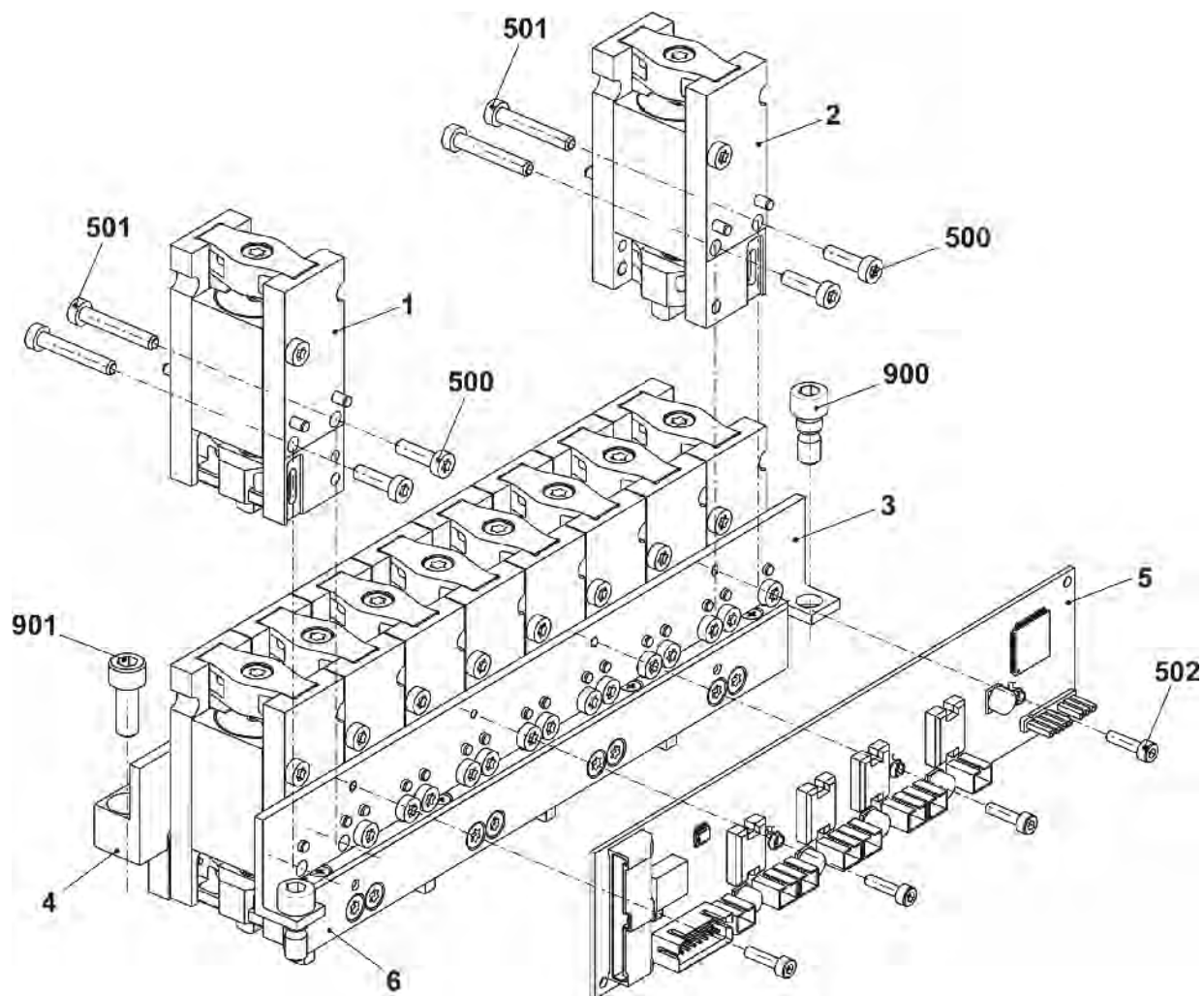
5.2.4 Additional cam box E10-14

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional cam complete E10-14	224 857			
1	Additional cam plate	224 751	15	Slider complete	224 854
2	Racking entry cam on the right	228 844	16	Collecting part on the left	226 691
3	Racking entry cam on the left	228 848	17	Collecting part on the right	226 692
5	Central cam on the left E10-14	230 420	18	Collecting part on the left	228 922
6	Central cam on the right E10-14	230 421	19	Collecting part on the right	228 923
7	Selection switch on the right	228 920	20	Cap bush	225 855
8	Selection switch on the left	228 921	500	Cap screw M4x8	020 091
9	Entry switch on the left E10-14	228 832	502	Countersunk screw M3x6	020 286
10	Entry switch on the right E10-14	228 823	538*	Shim 0,03x10x50	023 622
11	Switching part on the left E10-14	230 422	539*	Shim 0,05x10x50	023 548
12	Switching part on the right E10-14	230 423	540*	Shim 0,1x10x50	023 549
13	Guiding plate	224 771	546*	Shim 0,05x7x36	239 606
14	Slider cover plate	224 776	547*	Shim 0,1x7x36	239 607



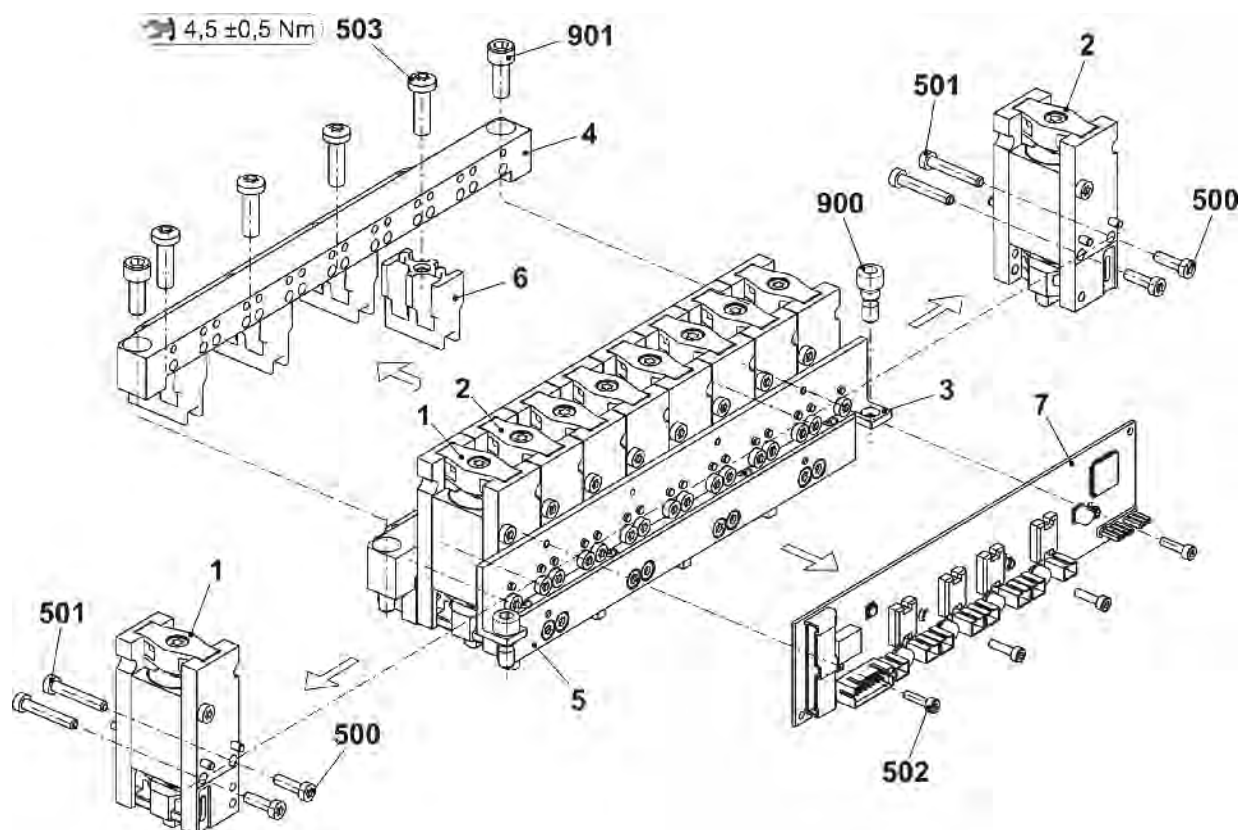
5.2.5 Yarn carrier driving without guide part

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	YC driving outside complete	245 297	6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080	500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118	501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313	502	Cap screw M3x12-12.9	022 648
4	Holding block outside	245 294	900	Shoulder screw	231 899
5	Card yarn carrier final stagesOKC	300 960	901	Cap screw M6x16	020 135



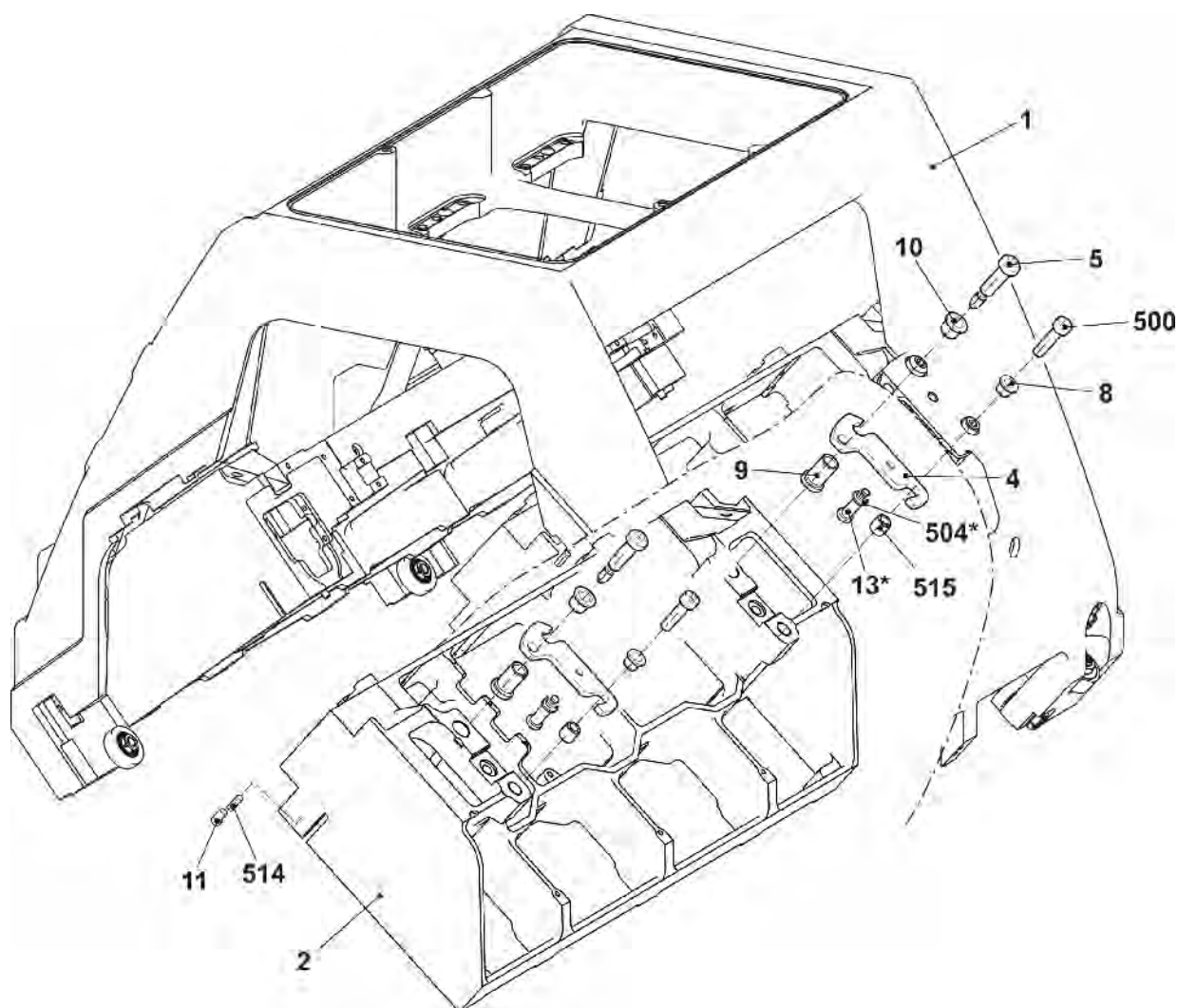
5.2.6 Yarn carrier driving with guide part

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	YC driving in the middle complete	245 298	7	Card yarn carrier final stagesOKC	300 960
1	Yarn carrier plunger on the right complete	243 080	500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118	501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313	502	Cap screw M3x12-12.9	022 648
4	Holding block in the middle	245 308	503	Screw KB60x20	243 625
5	Switch mechanism	251 137	900	Shoulder screw	231 899
6	Guide part	239 972	901	Cap screw M6x16	020 135



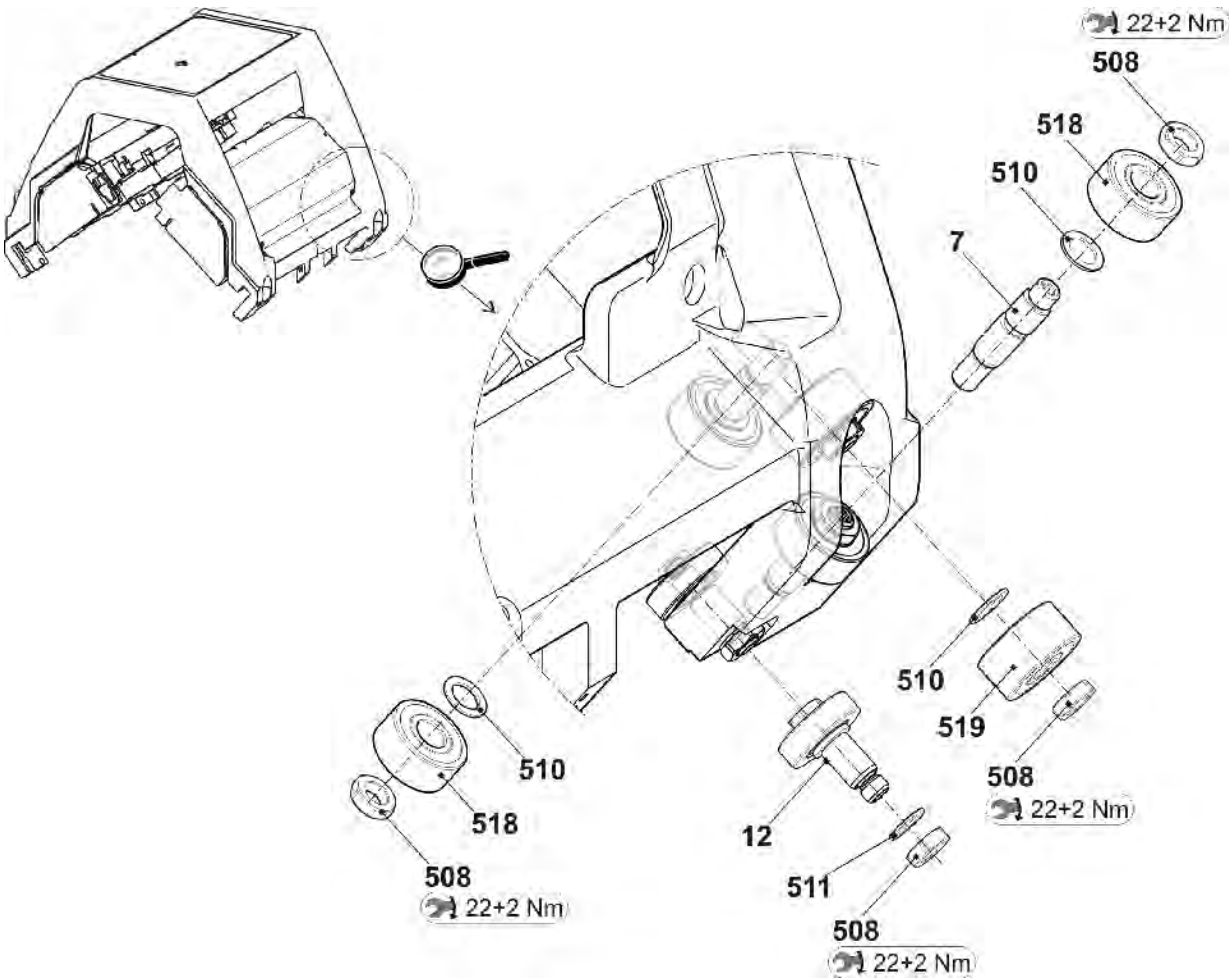
5.2.7 Carriage assembly

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage assembly 3 cam boxes complete	256 502	10	Bush	209 274
1	Carriage frame	264 818	11	Eccentric	222 983
2	Carriage part, 3 cam boxes	242 334	13*	Locating bolt linking spot	244 179
4	Shim	225 312	500	Cap screw M8x30	020 143
5	Shoulder screw	211 750	504*	Circlip6	021 022
8	Bush	207 546	514	Dowel pin 5x14	020 670
9	Bush	209 275	515	Threaded bush	041 863



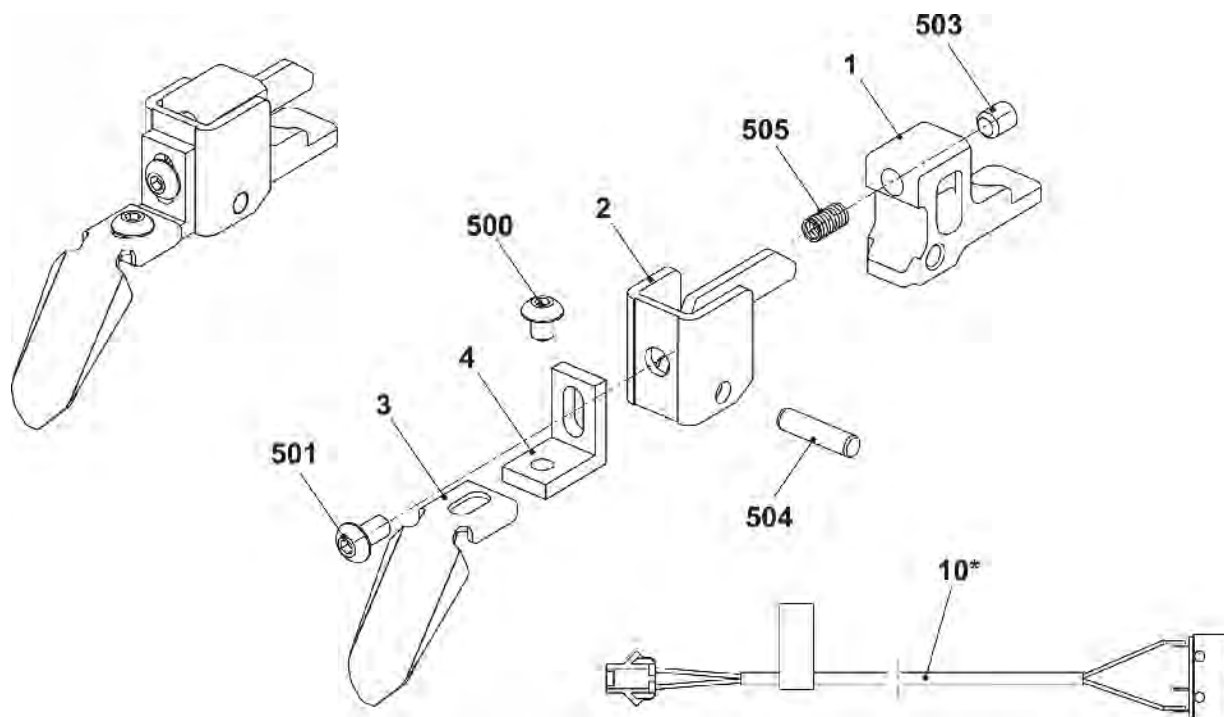
5.2.8 Carriage guide

Pos	Designation	ID	Pos	Designation	ID
7	Bearing bolt eccentric 0,5	240 624	511	Shim ring 10x16x1	023 260
12	Bolt pre-assembled	244 283	518	Grooved ball bearing 62201-2RS	241 408
508	NutM10	023 316	519	Grooved ball bearing 62300-2RS1	242 070
510	Shim ring 12x18x1	023 315			



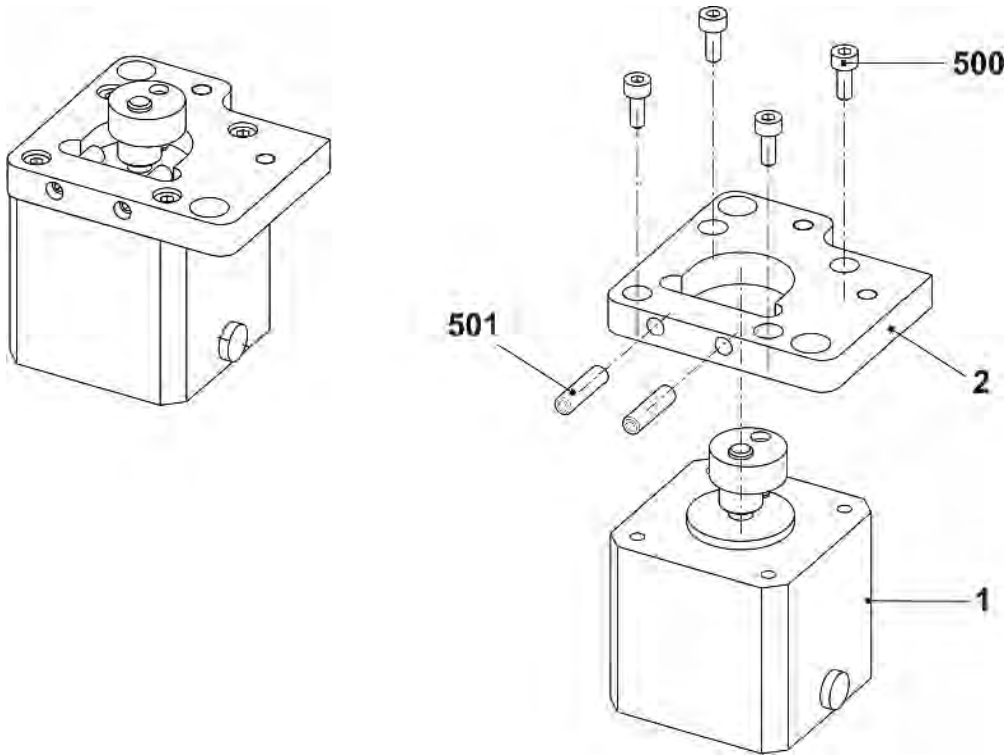
5.2.9 Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector complete	226 969			
1	Support	226 773	500	Pan-head screw M4x5	239 549
2	Retainer	226 787	501	Pan-head screw M4x8	023 579
3	Sensor	226 967	503	Setscrew M5x6	022 580
4	Angle	222 882	504	Dowel pin 4x16	020 660
10*	Cable of needle detector complete	224 655	505	Compression spring 4,3x0,45x10	021 398



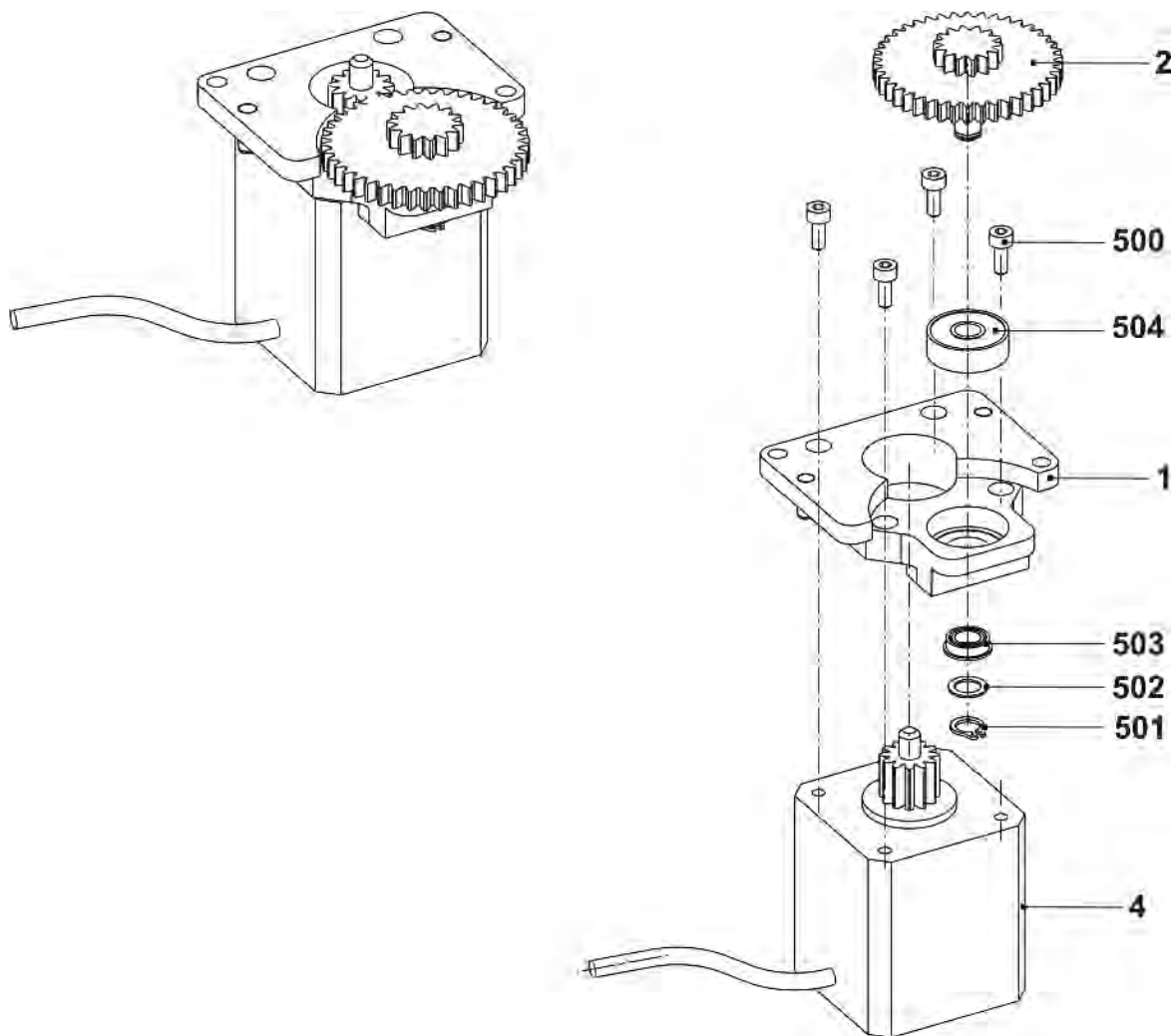
5.2.10 Control unit brush

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit brush	224 631			
1	Motor complete	224 628	500	Cap screw M3x8	022 582
2	Motor plate	224 619	501	Setscrew M4x16	023 586



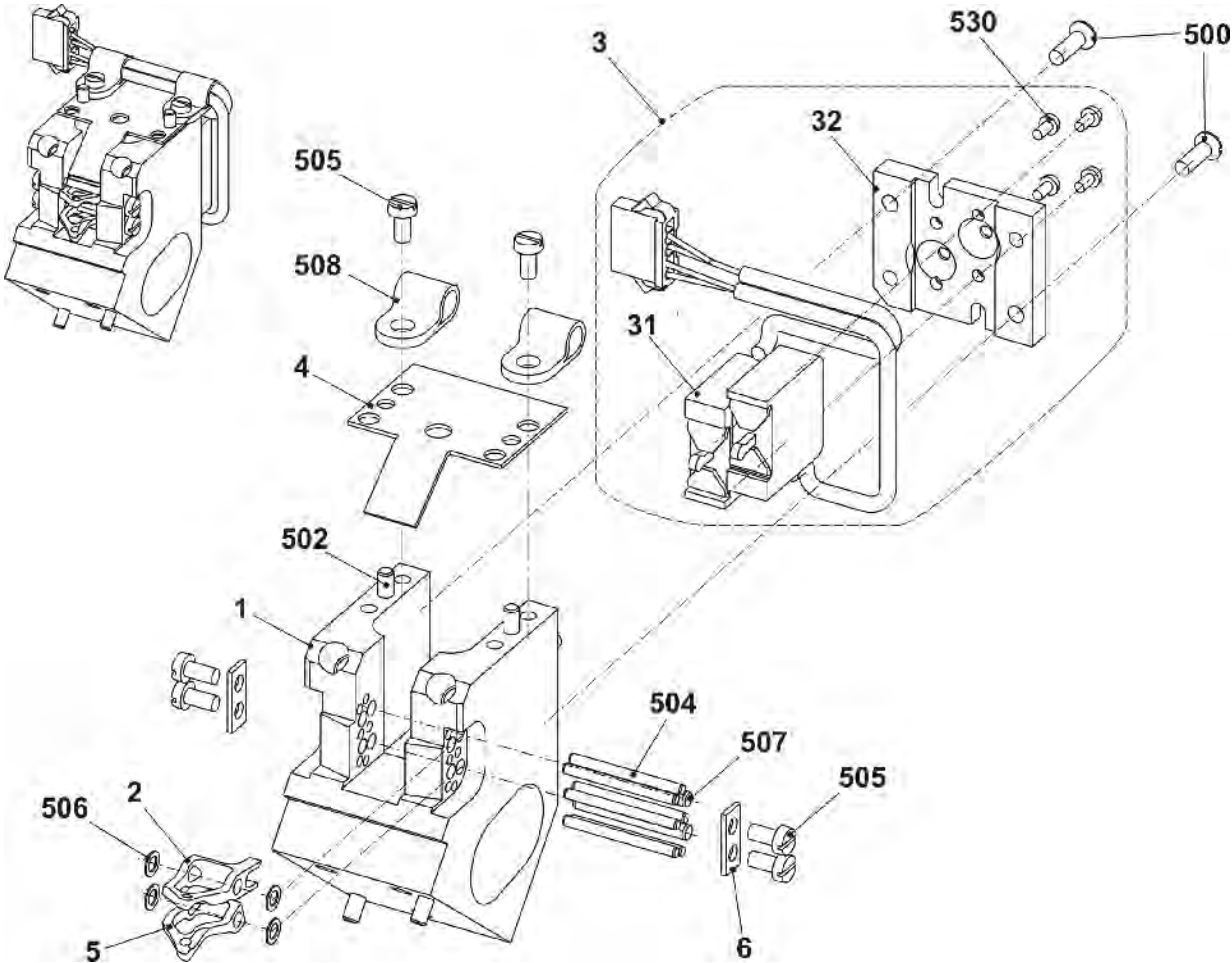
5.2.11 Control unit holding-down jack

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit Holding-down jack	223 380			
1	Motor plate on the right	222 837	501	Retaining ring6x0,7	023 298
2	Gear wheels	225 908	502	Disk6,1x9x0,5	023 554
4	Motor pre-assembled	220 071	503	Grooved ball bearing MF106HZZ-6x10x3	023 533
500	Cap screw M3x8	022 582	504	Grooved ball bearing 626-2RS	023 587



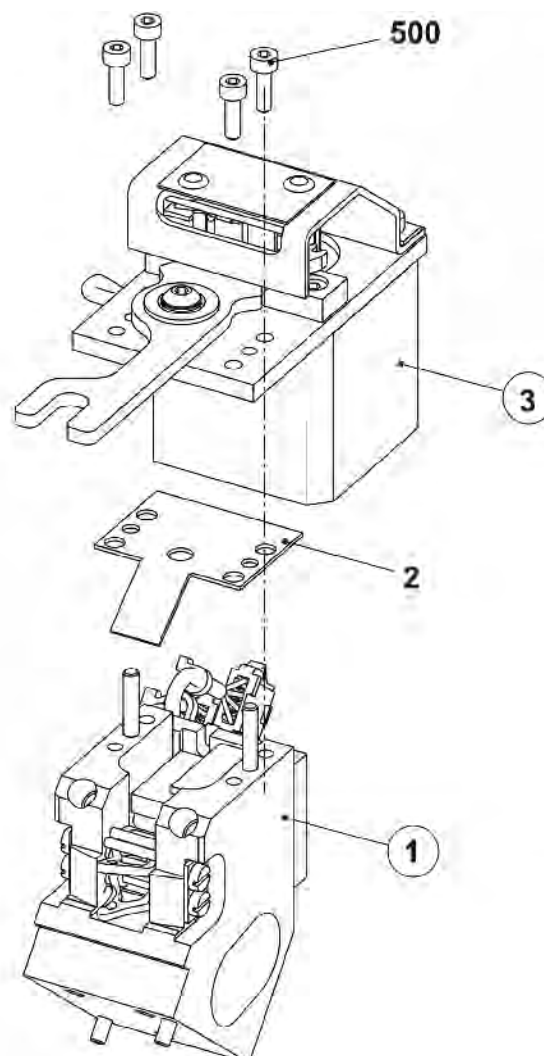
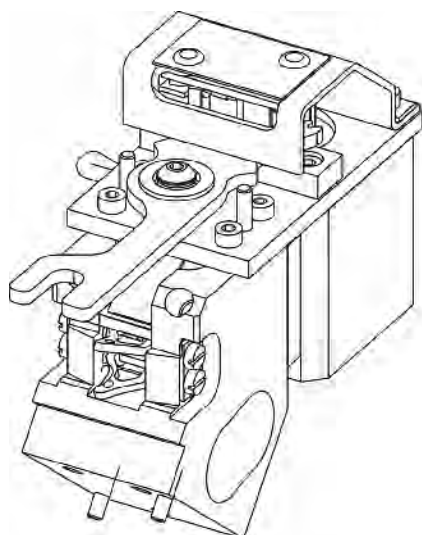
5.2.12 Supporting block on the left complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Supporting block on the left complete	219 995			
1	Supporting block E5-14	219 491	6	Safety plate	224 823
2	Rocker no. 1	224 435	500	Pan-head screw M3x10-4.8	020 288
3	Selection complete E5-14	220 020	502	Dowel pin 3x12	020 647
31	Magnet system	220 021	504	Dowel pin2x24	023 494
32	Holding plate tilting magnet E5-14	219 727	505	Cap screw M3x6	020 005
530	Cap screw M2x4	023 624	506	Disk3,05x4,9x0,3	023 589
4	Cover plate	223 177	507	Dowel pin3x24	023 580
5	Rocker no.2	224 436	508	Fastening clip 255/5,2	008 335



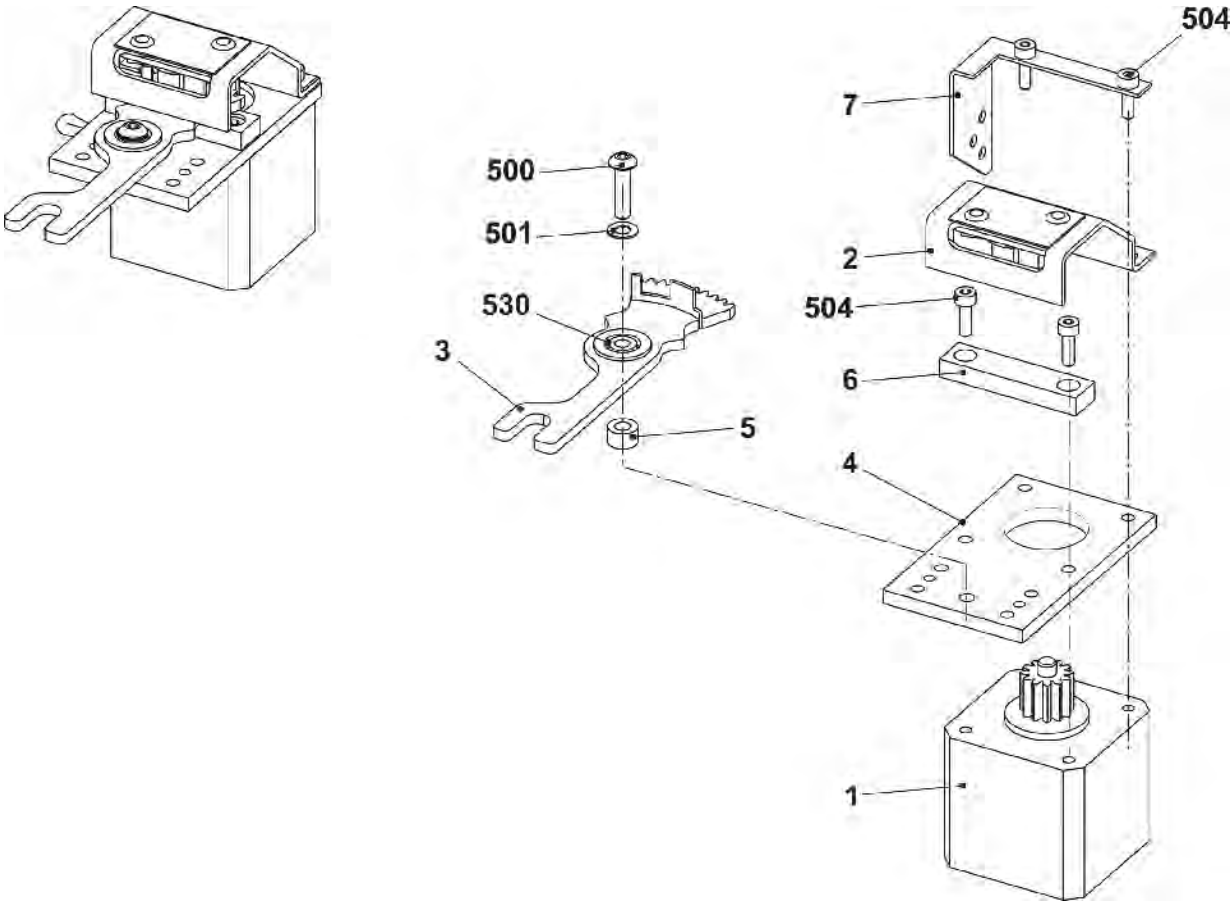
5.2.13 Control unit complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit complete	227 285			
1	Supporting block on the right complete	224 741	3	Control unit complete E5-14	220 066
2	Cover plate	223 177	500	Cap screw M3x10	022 991



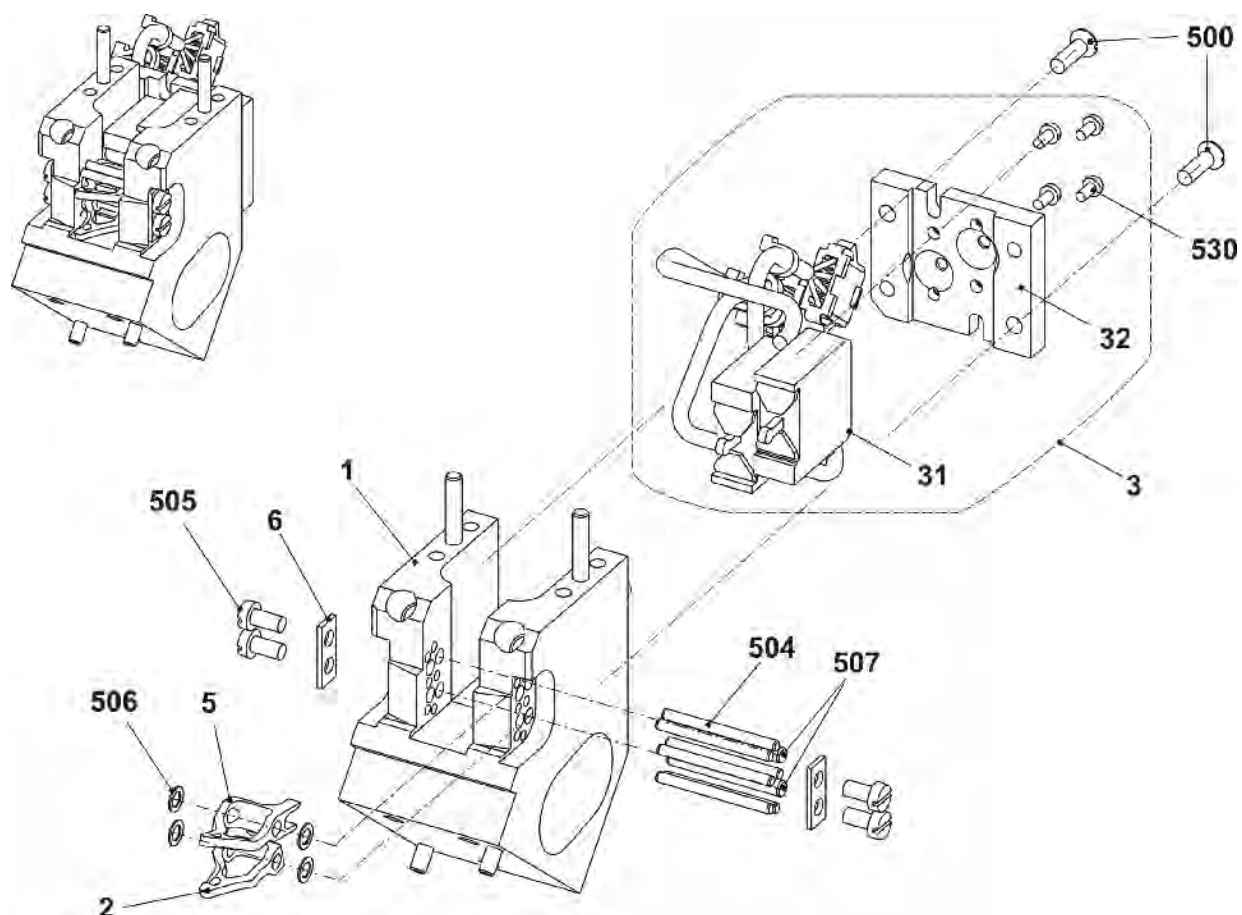
5.2.13.1 Control unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit completeE5-14	220 066			
1	Step motor complete	218 653	6	Stopping strip	223 226
2	Light barrier complete	225 080	7	Retaining plate	225 073
3	Pivot lever complete	225 072	500	Pan head screw M4x16	023 412
	530 Grooved ball bearing F624-2Z-4x13x5	023 552	501	Washer 4	020 879
4	Motor plate	219 718	504	Cap screw M3x10	022 991
5	Spacing bush	219 726			



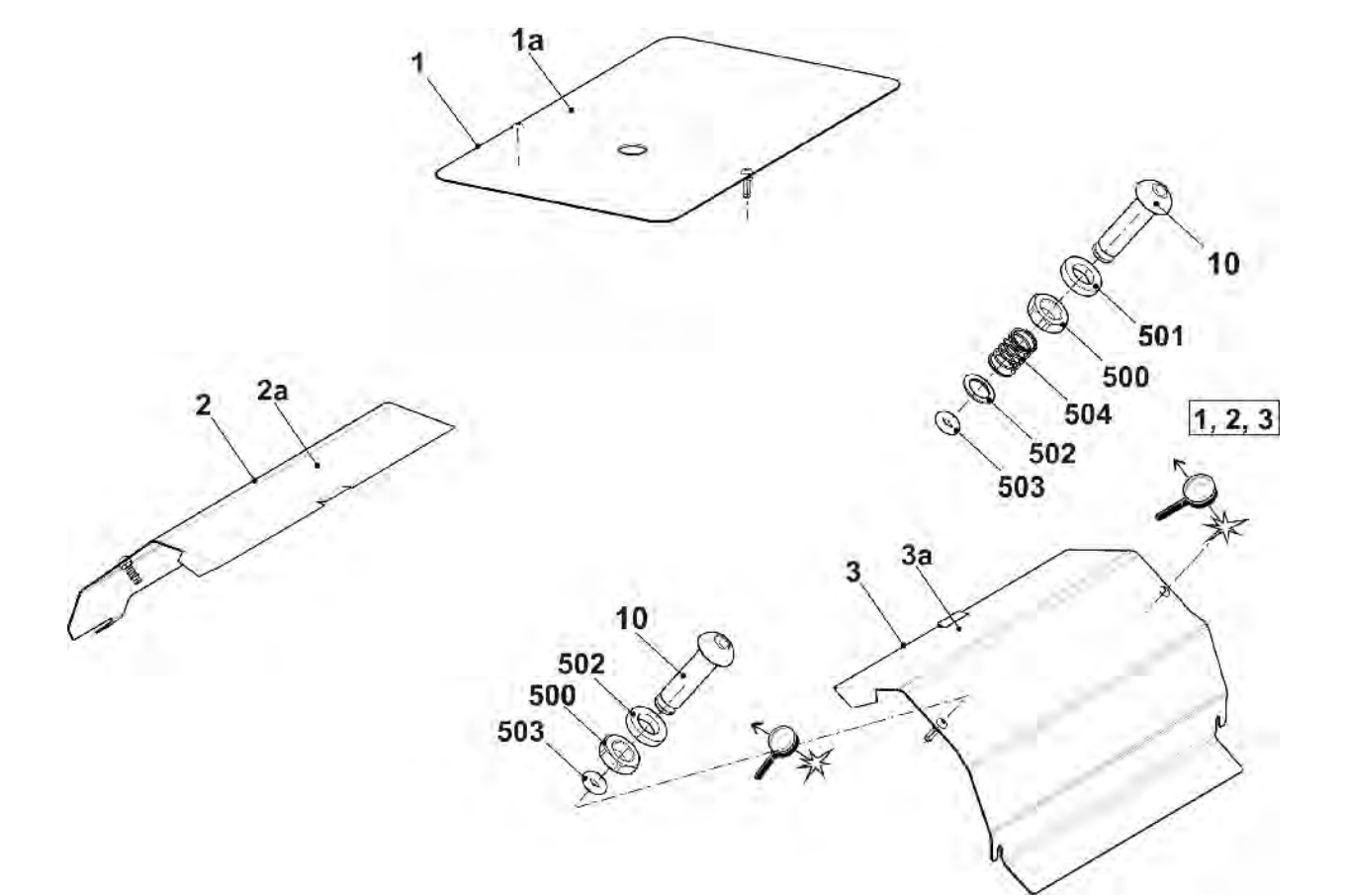
5.2.13.2 Supporting block on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Supporting block on the right complete	224 741			
1	Supporting block E5-14	219 491	6	Safety plate	224 823
2	Rocker no.1	224 435	500	Pan-head screw M3x10-4.8	020 288
3	Selection complete E5-14	220 020	504	Dowel pin2x24	023 494
	31 Magnet system	220 021	505	Cap screw M3x6	020 005
	32 Holding plate tilting magnet E5-14	219 727	506	Disk3,05x4,9x0,3	023 589
	530 Cap screw M2x4	023 624	507	Dowel pin3x24	023 580
5	Rocker no.2	224 436			



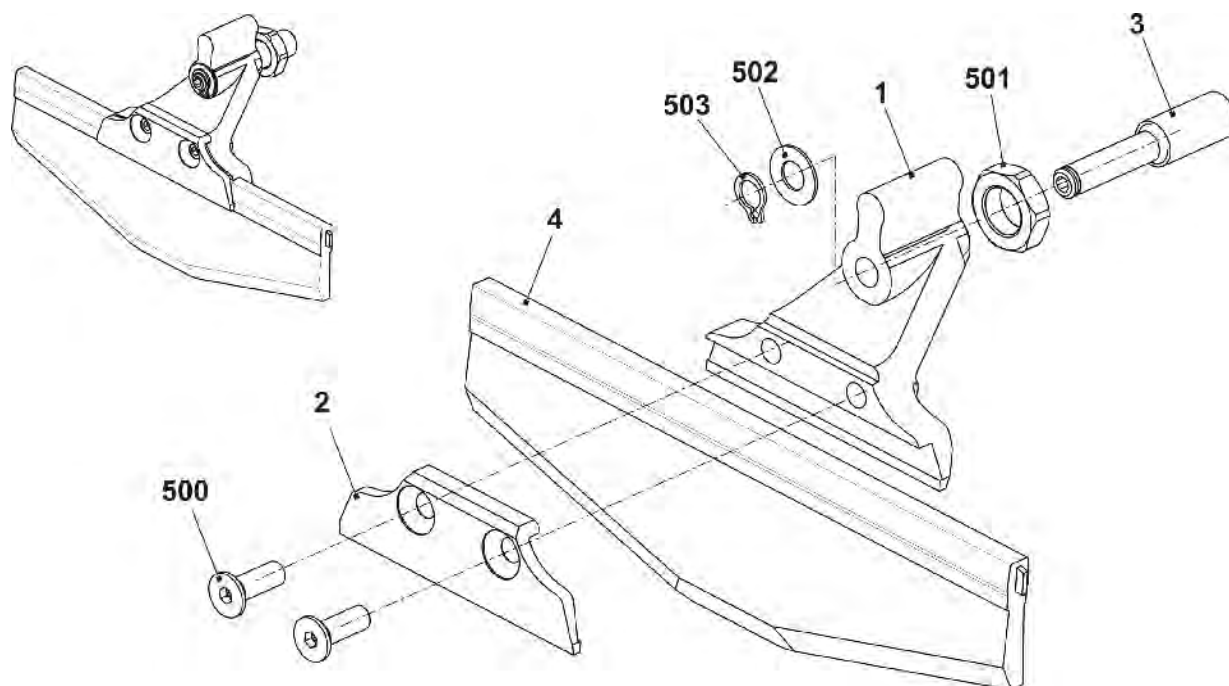
5.2.14 Carriage cover

Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 3 cam boxes complete	257 100	10	Locating bolt	242 382
	1a Carriage cover at the top 3 cam boxes 6Z	256 510	500	Hexagon nut M6	257 088
2	Carriage cover at the rear completeX30T	257 165	501	Washer 6.1x9x0,5	023 554
	2a Carriage cover at the rearX30T	256 766	502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front completeX30T	257 164	503	O-ring 3x2	242 420
	3a Carriage cover at the front X30T	256 765	504	Compression spring 0,48x7,02x17,29	023 654

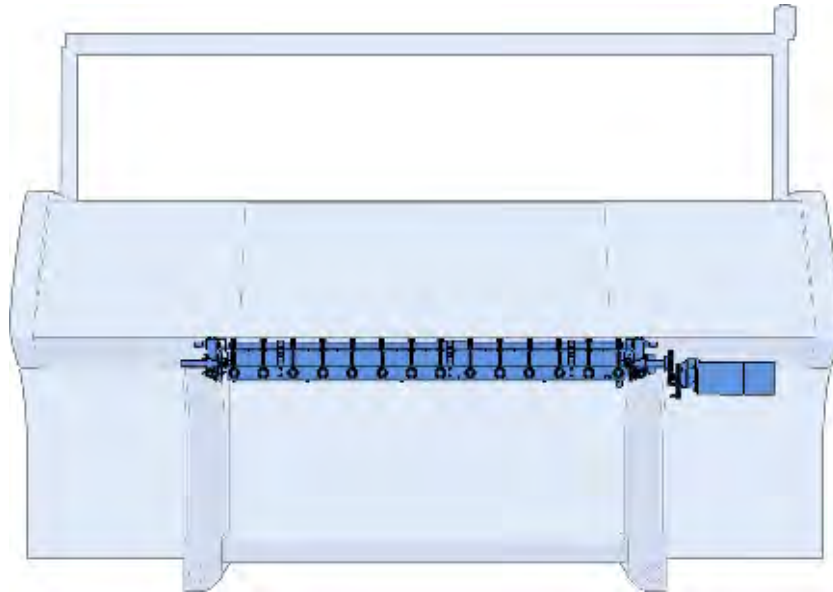


5.2.15 Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder completeE10-14 (E7.2)	220 065	4	Brush(E10-14)	212 854
1	Brush holder	219 423	500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010	501	Hexagon nut M8-4	020 856
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
			503	Retaining ring 5x0,6	023 347

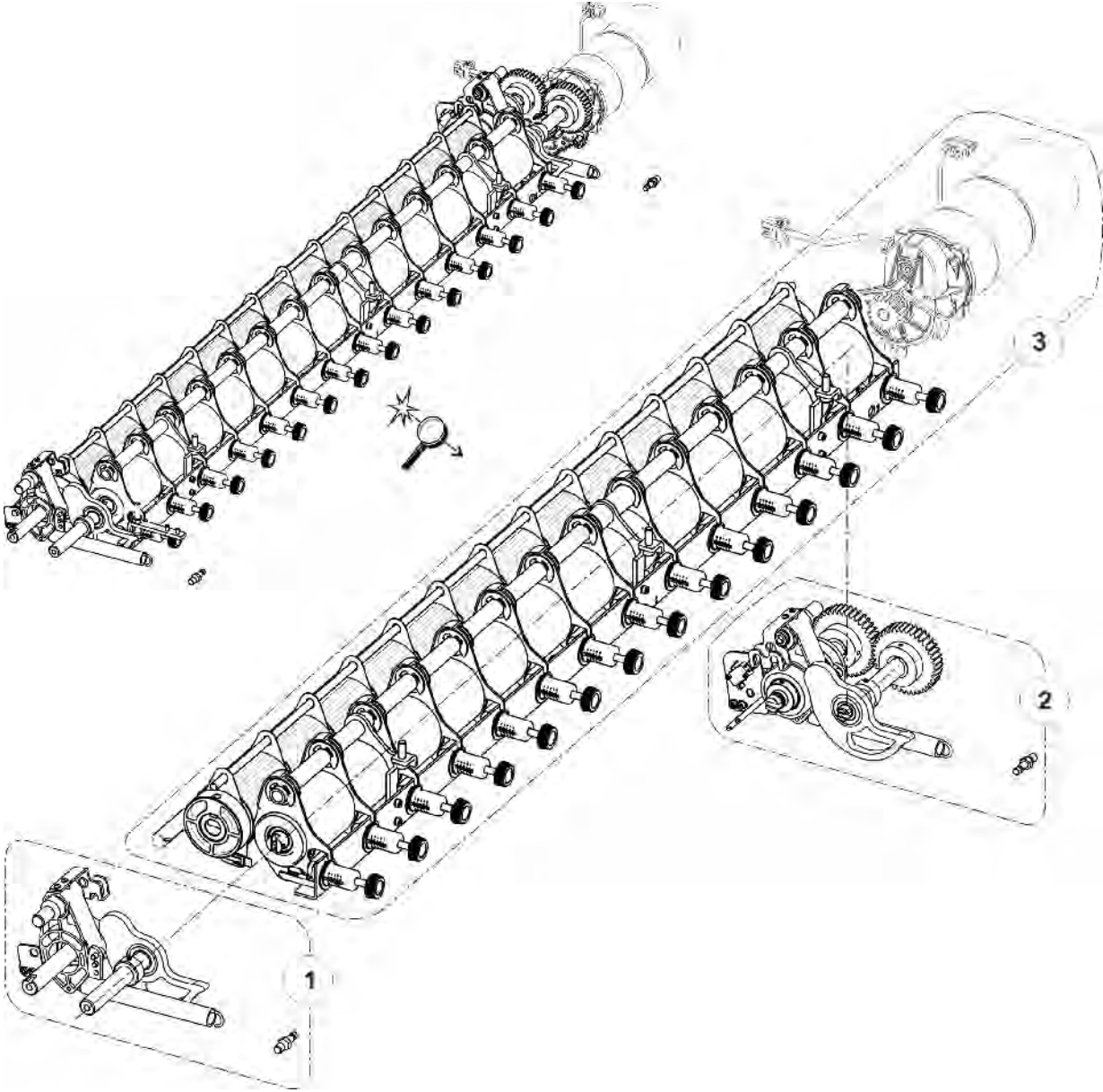


6 Main take-down



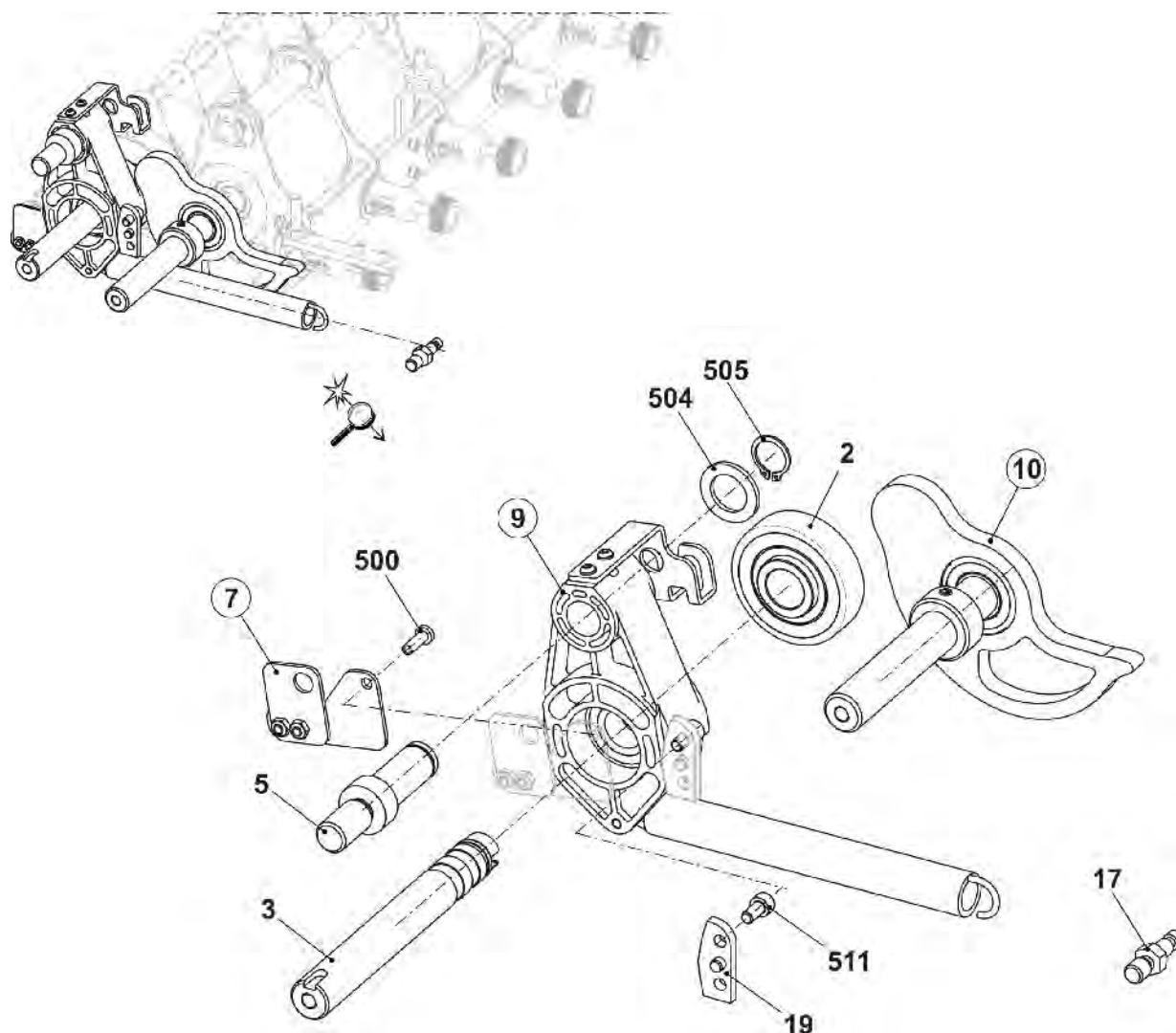
6.1 Main take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down		2	Main take-down on the right	264 885
1	Main take-down on the left	253 851	3	Main take-down in the middle E5-14	253 525



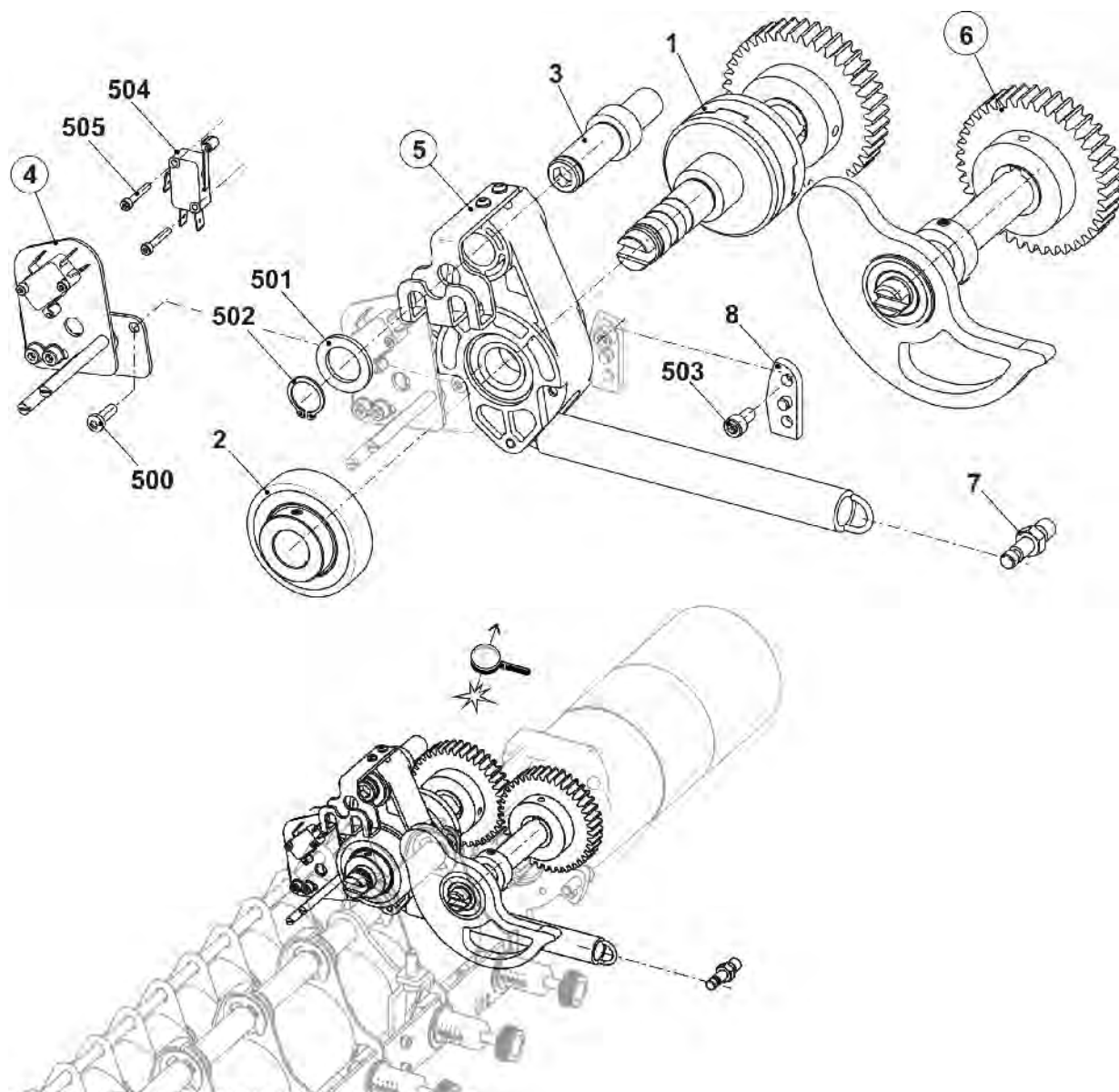
6.1.1 Main take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the left	253 851			
2	Bearing race complete	244 459	17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012	19	Stop point	252 503
5	Bolts	208 538	500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725	504	Washer 18	023 295
9	Swivel-mounted bearing	251 761	505	Retaining ring 18x1,2	020 955
10	Full floating axle on the left	251 984	511	Cap screw M6x12	020 134



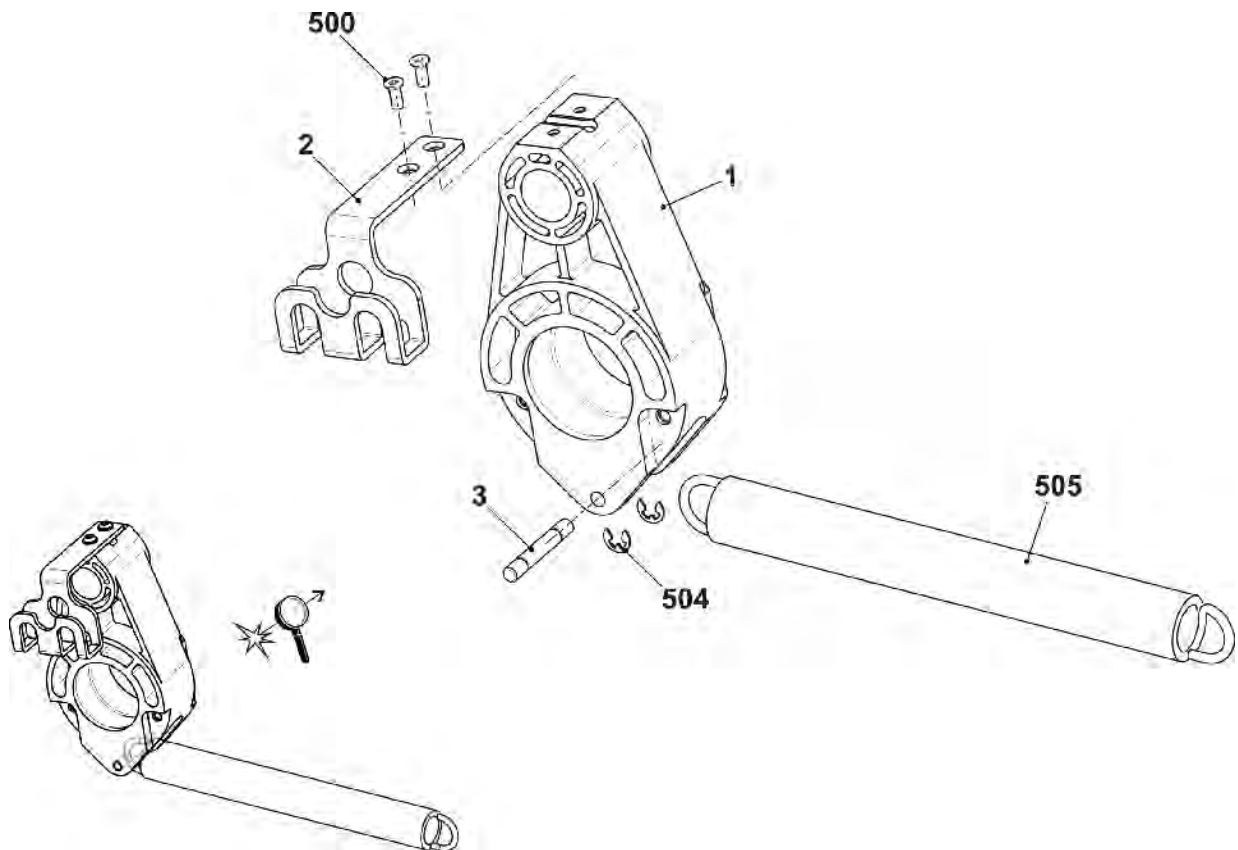
6.1.2 Main take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the right	264 885			
1	Clutch set	251 677	8	Stop point	252 503
2	Bearing race complete	244 459	500	Screw 50x15	251 728
3	Bolts	208 538	501	Washer 18	023 295
4	Mounting plate on the right complete	260 090	502	Retaining ring 18x1,2	020 955
5	Swivel-mounted bearing	251 761	503	Cap screw M6x12	020 134
6	Full floating axle on the right	251 985	504	Microswitch Xgk2-s21 250	210 510
7	Spring bolt	221 143	505	Cap screw M3x20	023 221



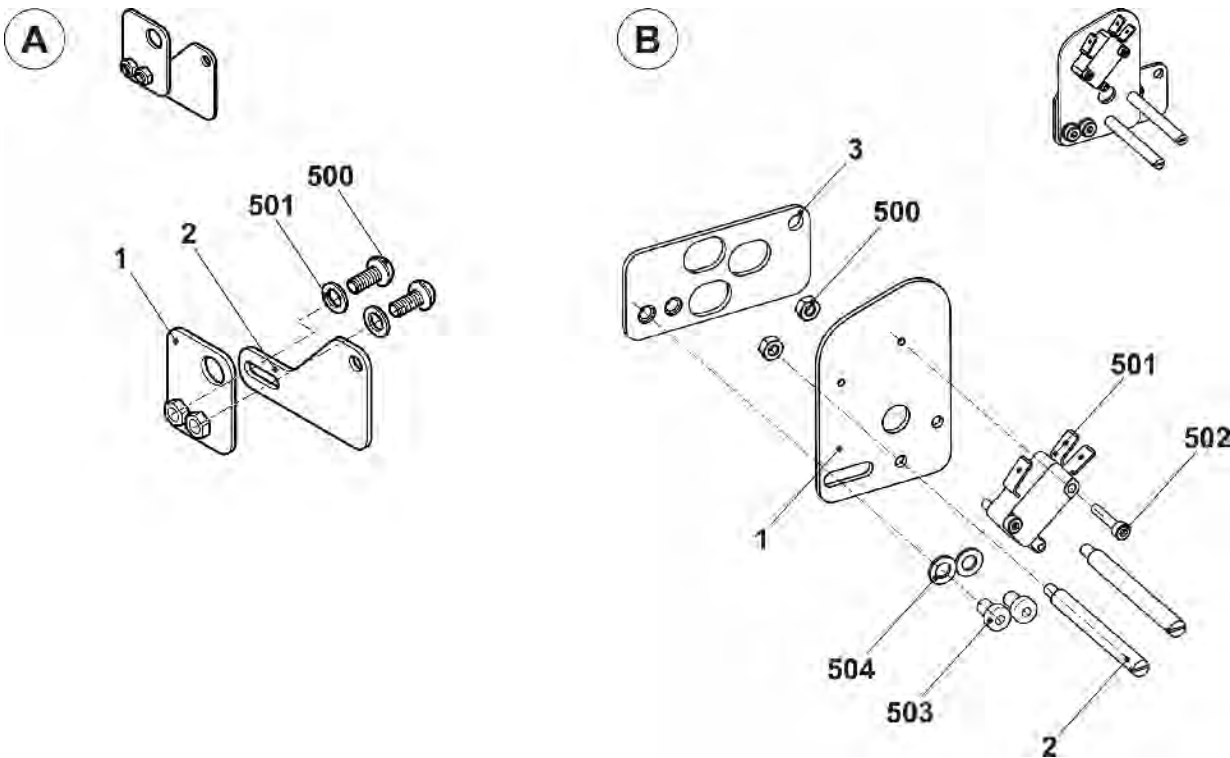
6.1.2.1 Swivel-mounted bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Swivel-mounted bearing	251 761			
1	Swivel-mounted bearing	241 996	500	Screw M35x10	259 102
2	Sheet metal support	251 749	504	Circlip4	021 020
3	Axle	251 758	505	Tension spring 21x3,0x192	240 217



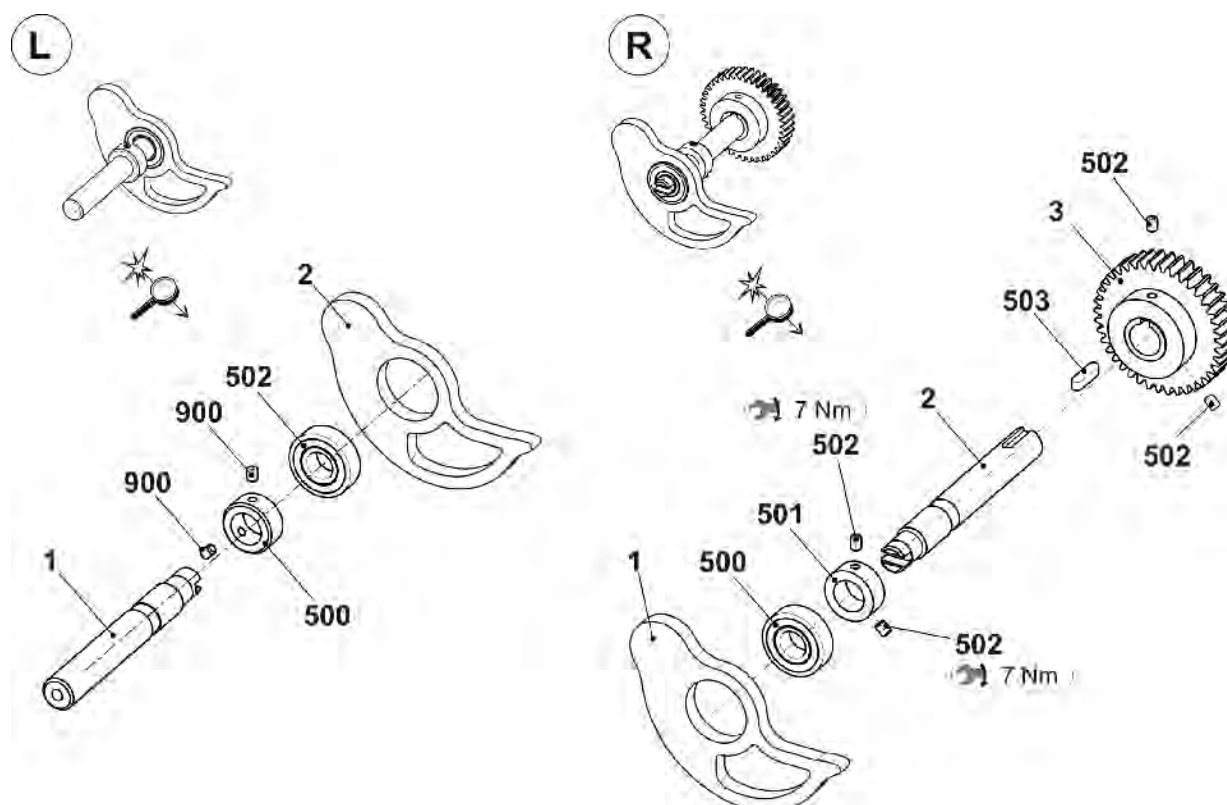
6.1.2.2 Mounting plate on the left and right

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ A	Mounting plate on the left complete	231 725	2	Shoulder screw	240 067
1	Mounting plate on the left	231 541	3	Retaining plate on the right	240 066
2	Retaining plate on the left	231 539	500	Hexagon nut M4-6	022 536
500	Pan-head screw M5x10	023 247	501	Microswitch	026 259
501	Serrated lock washer J5,3	022 489	502	Cap screw M3x16	022 583
Σ B	Mounting plate on the right complete	260 090	503	Cap screw M5x8	244 278
1	Mounting plate on the right	260 067	504	Washer 5-200	020 871



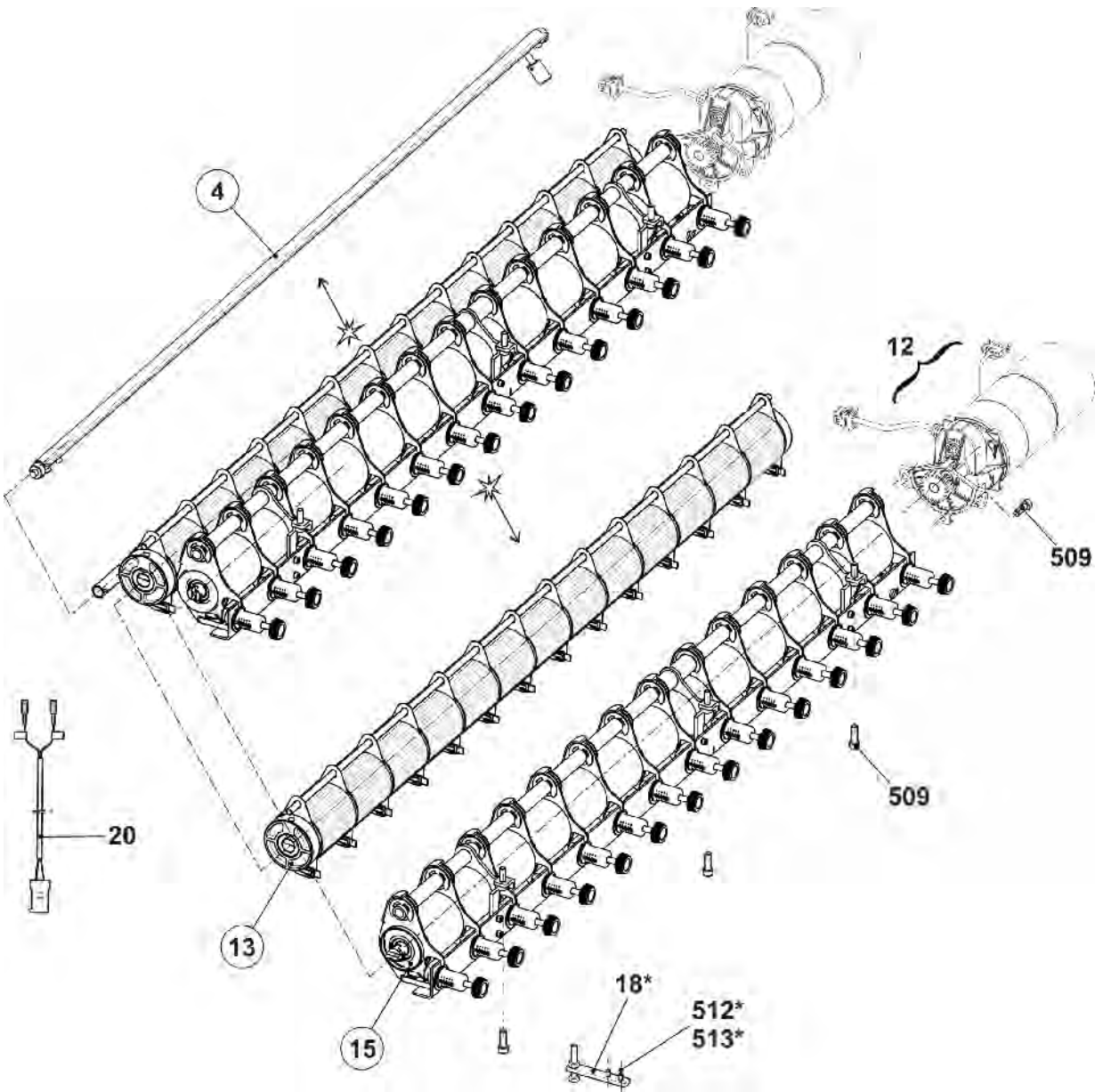
6.1.2.3 Full floating axle on the left and the right

Pos	Designation	Id	Pos	Designation	Id
Σ L	Full floating axle on the left	251 984	Σ R	Full floating axle on the right	251 985
1	Shaft on the left at the front	221 013	1	Eccentric	251 959
2	Eccentric	251 959	2	Shaft on the right	223 393
500	Set collar	020 938	3	Gear wheel Z=40, M=2	213 744
502	Fitting freewheel ZZ6203L	023 294	500	Fitting freewheel ZZ6203L	023 294
900	Setscrew M6x8	022 684	501	Set collar	020 938
			502	Setscrew M6x8	022 684
			503	Feather key A 6x6x25	023 017



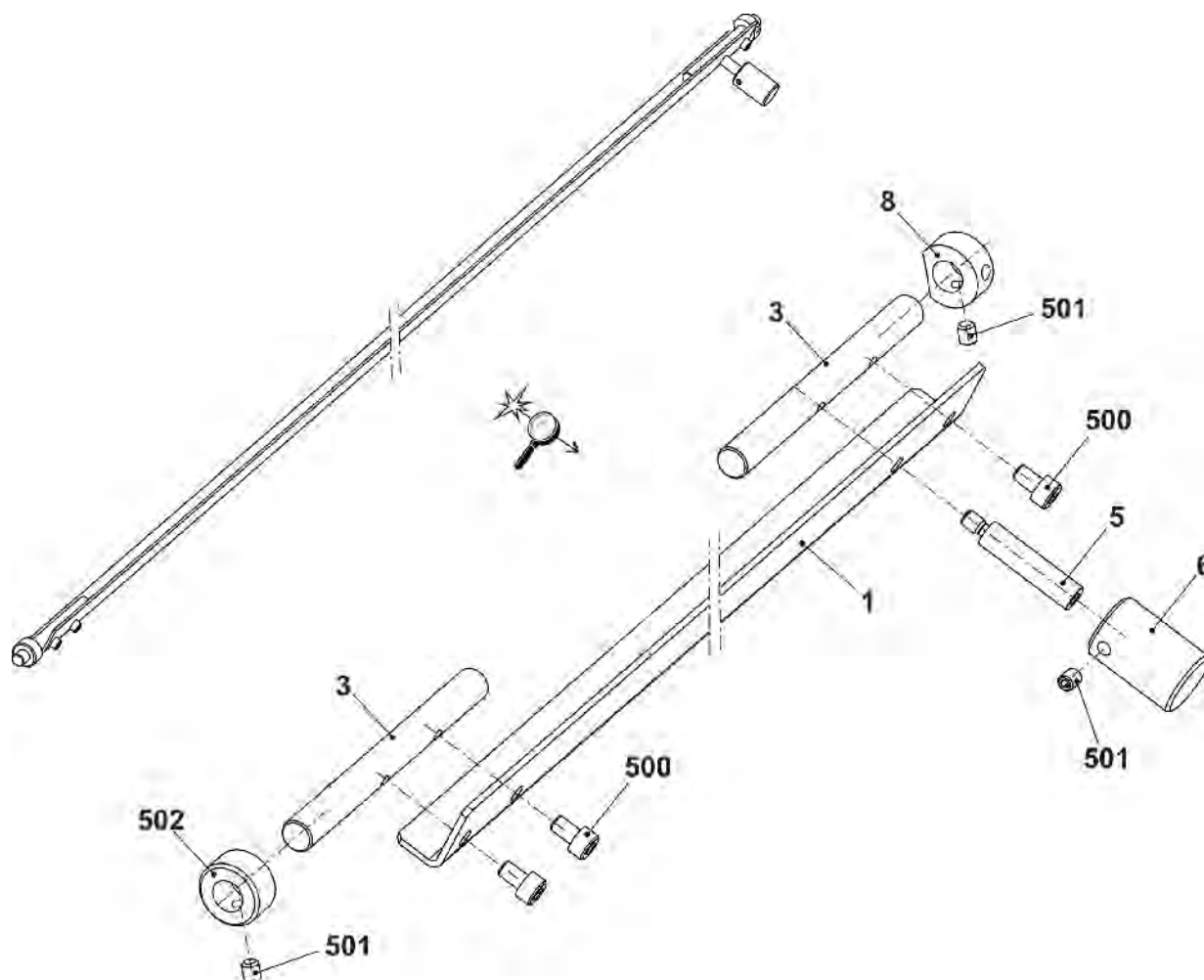
6.1.3 Main take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle	253 525			
4	Stripper angle at the rear complete	264 119	13	Take-down roller at the rear complete	253 853
12	Motor take-down unit complete	253 803	509	Cap screw M8x25	020 142
15	Take-down roller at the front complete	241 426	18*	Stop point	253 432
20	Connection cable winding plate	241 703	513*	Pan-head screw M6x16	023 124



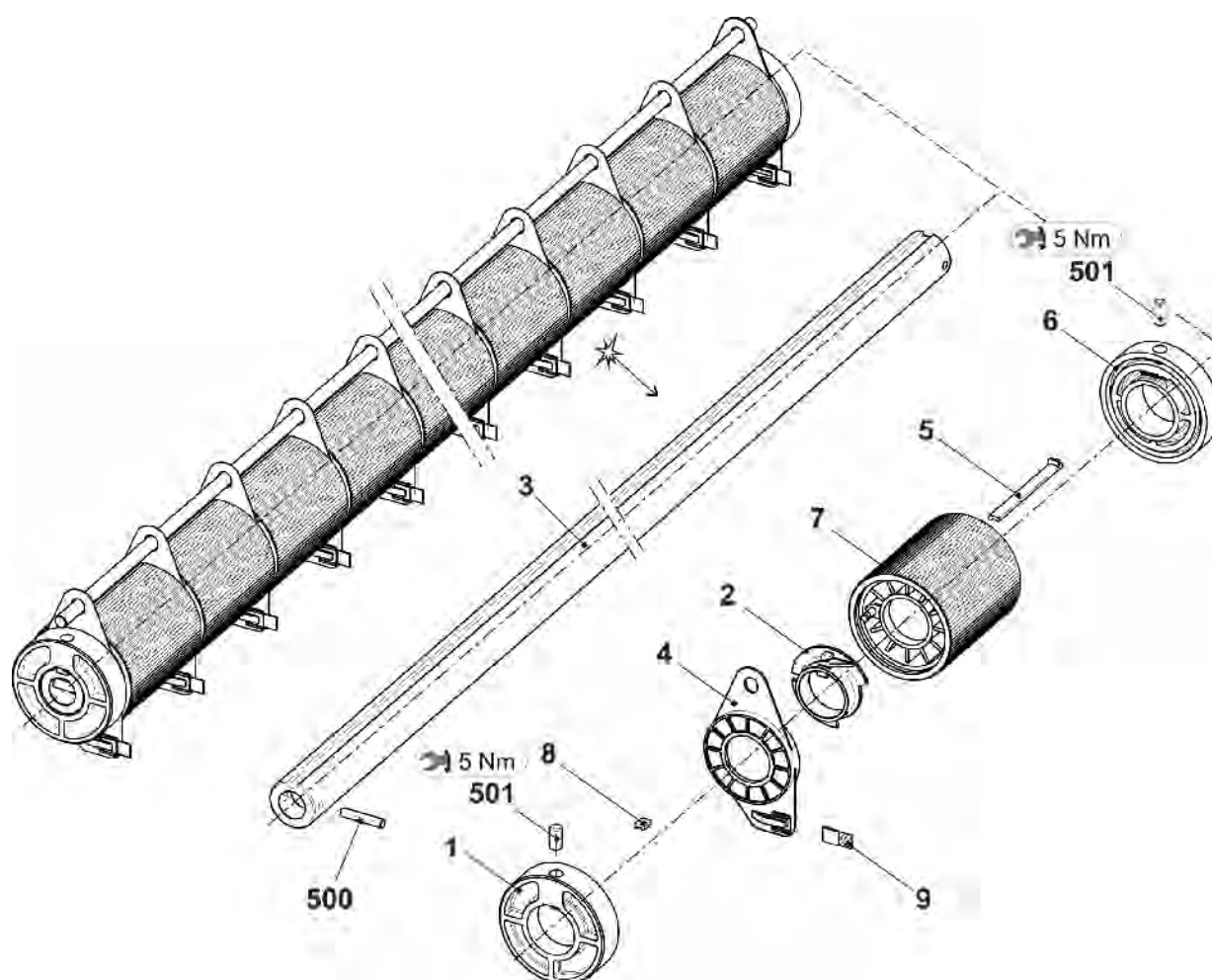
6.1.3.1 Stripper angle

Pos	Designation	Id	Pos	Designation	Id
Σ	Stripper angle at the rear complete	264 119			
1	Stripper angle	263 955	8	Cam	260 109
3	Axle	259 969	500	Cap screw M5x8	023 319
5	Bolts	228 310	501	Setscrew M5x6	022 738
6	Adjustment weight	229 248	502	Set collarA10	020 934



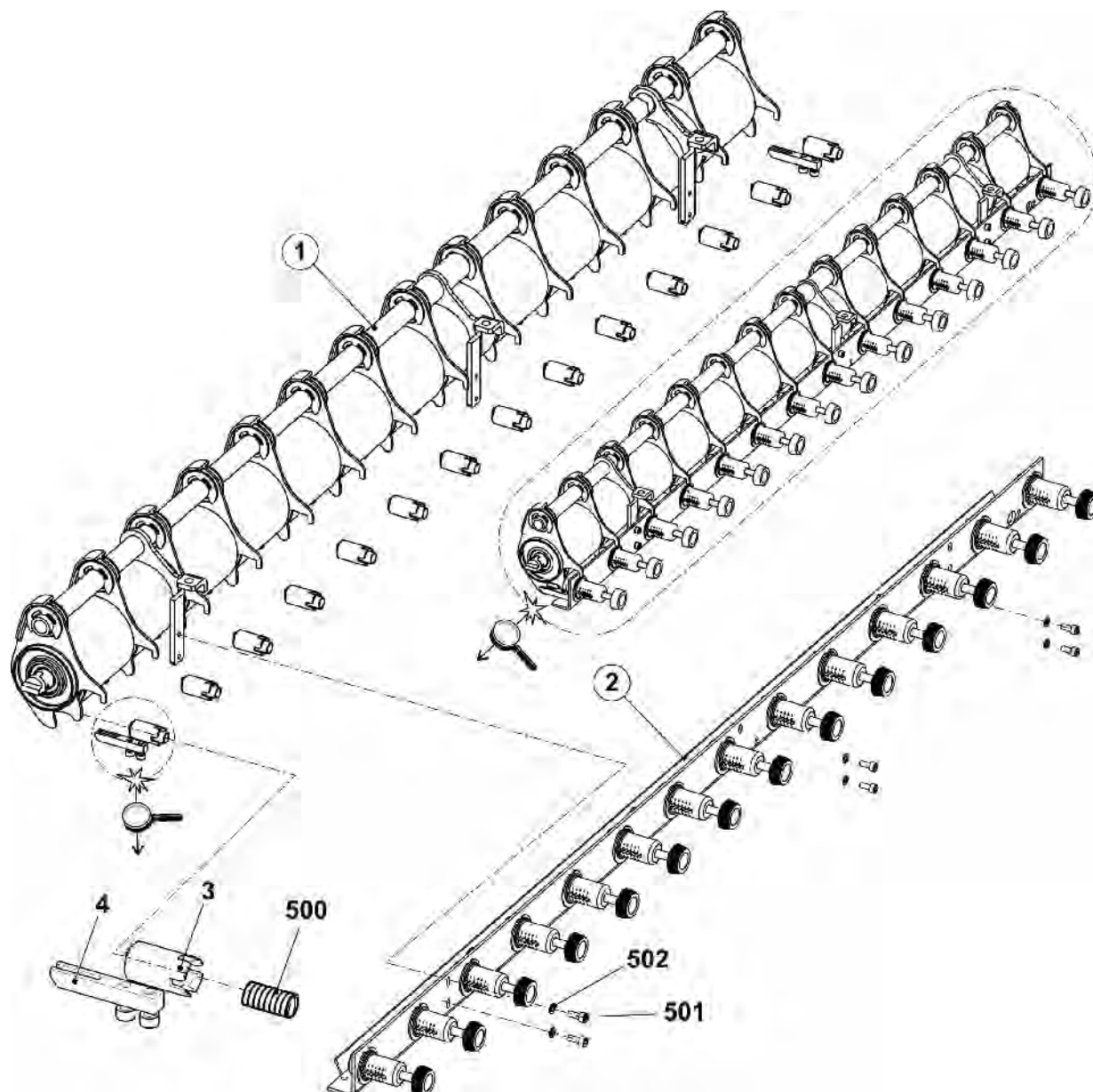
6.1.3.2 Rear take-down roller

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down roller at the rear complete	253 853			
1	Ring on the left	255 830	7	Roller (E5-14)	264 624
2	Stop ring on the left	204 369	8	Spacer slide	222 062
3	Shaft	221 011	9	Brush	225 819
4	Stripper	241 612	12	Rod	253 301
5	Spacer slide	264 669	500	Dowel pin 6x32	020 685
6	Ring on the right	255 831	501	Setscrew M8x16	258 910



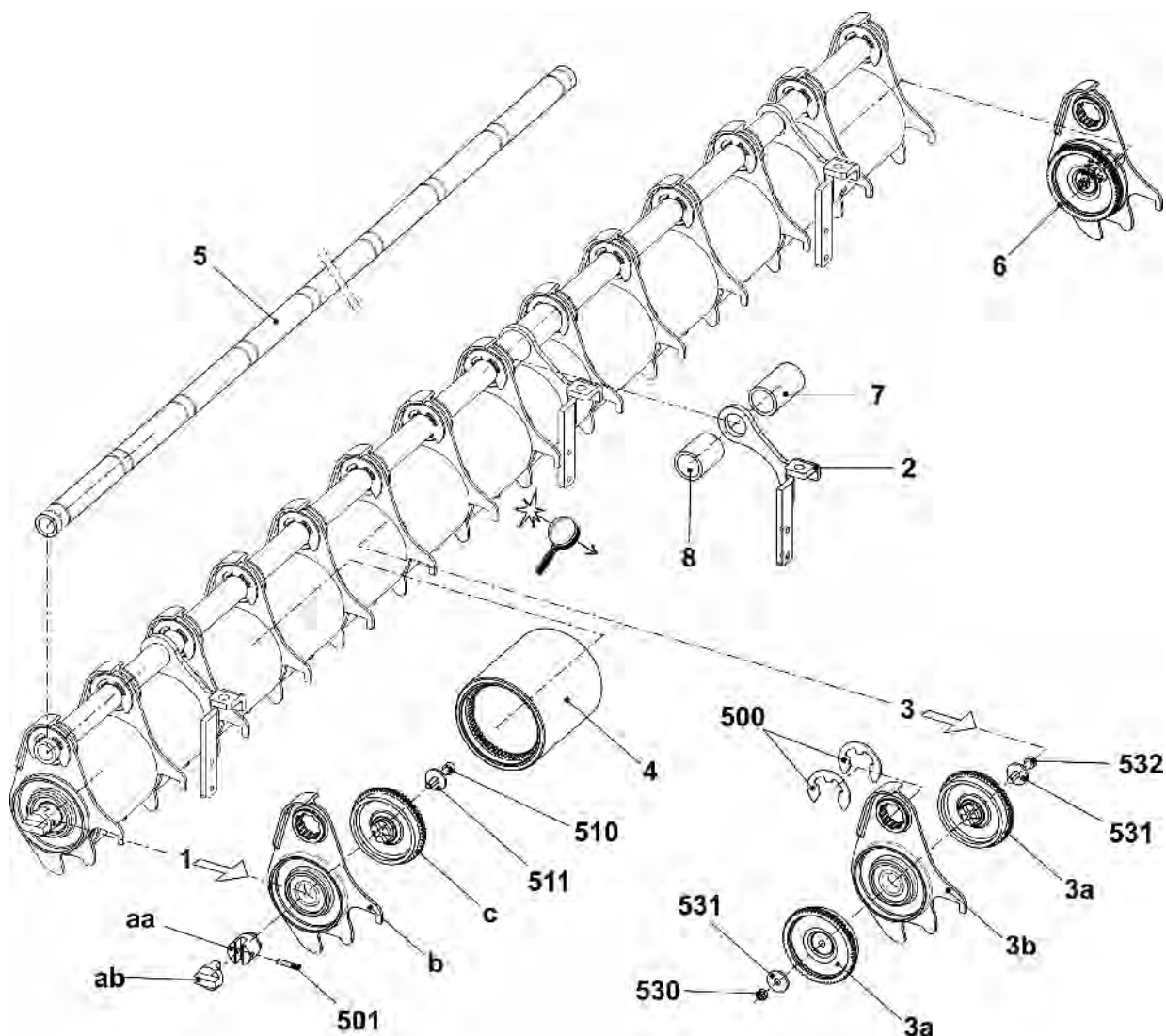
6.1.3.3 Front take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front complete	241 426	4	Locating piece	221 935
1	Take-down roller at the front	221 243	500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 425	501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911	502	Washer 5-200	020 880



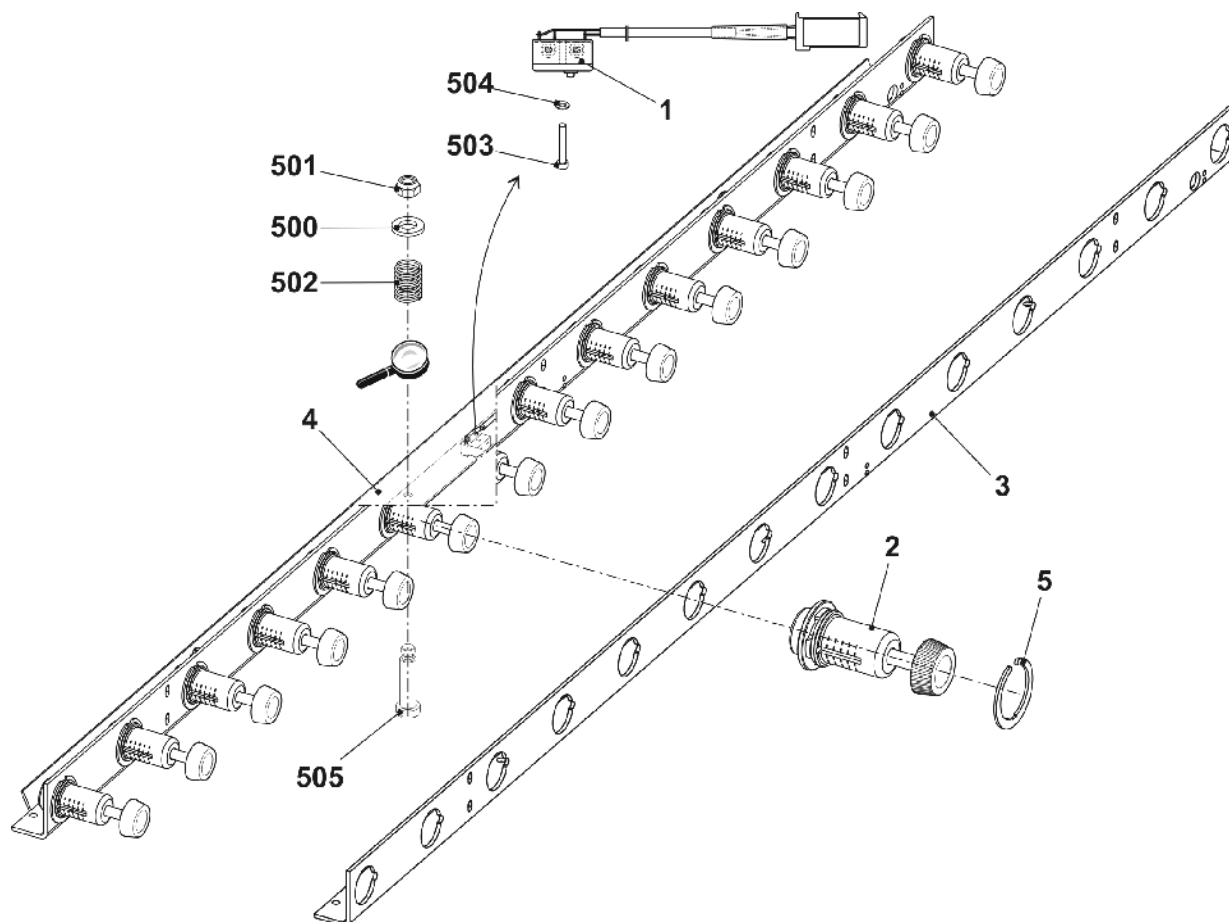
6.1.3.3.1 Front roller elements

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front	221 243			
1	Bearing support on the left complete	221 225	4	Roller	220 905
aa	Universal joint	221 137	5	Tube	221 092
ab	adaptor	221 132	6	Bearing support on the right complete	221 240
b	Bearing support	220 913	aa	Universal joint	221 137
c	Gear wheel	220 910	ab	adaptor	221 132
501	Spring dowel sleeve 4x20	023 551	b	Bearing support	220 913
510	Cap screw M5x20	020 133	c	Gear wheel	220 910
511	Washer 5	023 542	501	Spring dowel sleeve 4x20	023 551
2	Straps	251 557	510	Cap screw M5x20	020 133
3	Bearing support complete	221 241	511	Washer 5	023 542
3b	Bearing support	220 913	7	Spacer pipe on the right	253 407
3a	Gear wheel	220 910	8	Spacer pipe on the left	253 408
530	Hexagon nut M5	023 541	500	Circlip	021 025
531	Washer 5-100hv	023 542			
532	Cap screw M5x30	022 396			



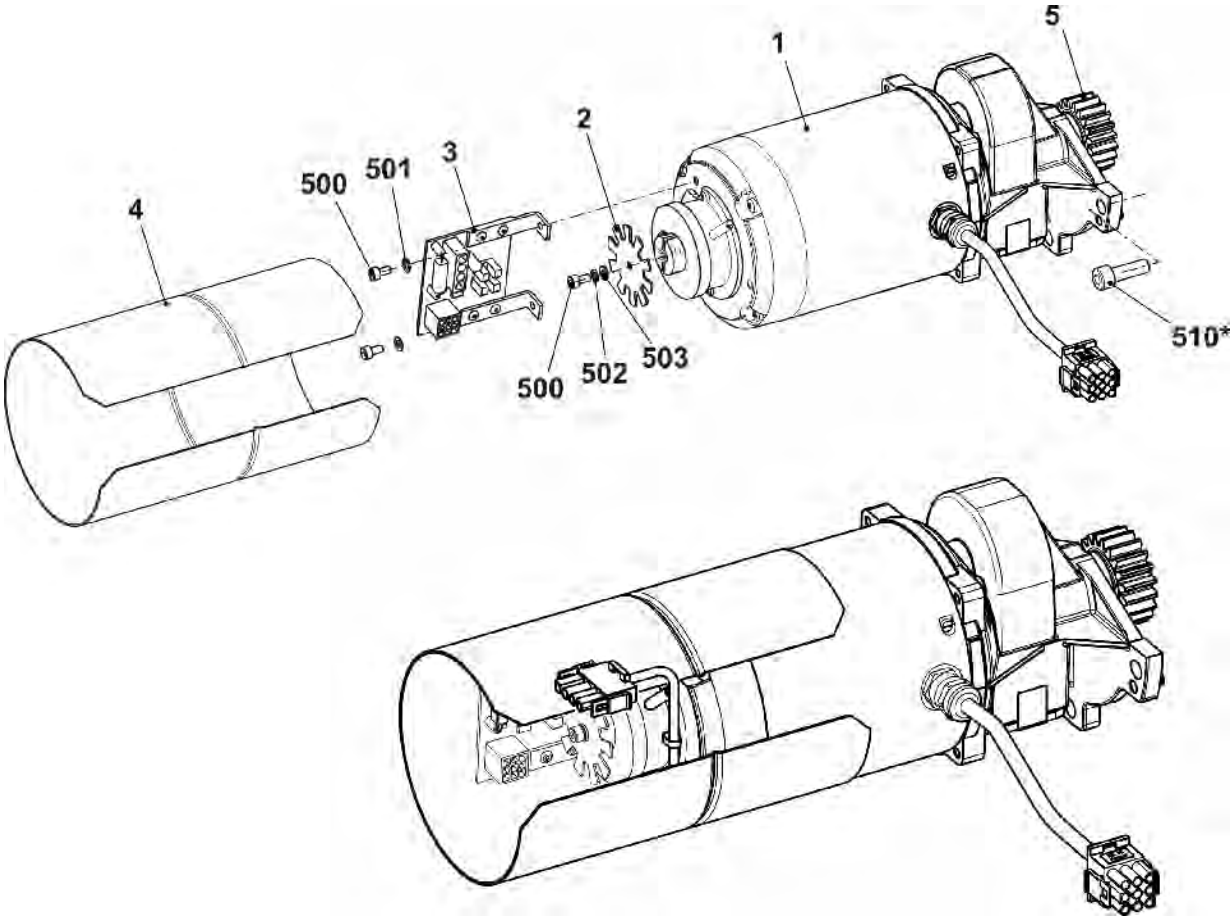
6.1.3.3.2 Pressure angle rail

Pos	Designation	Id	Pos	Designation	Id
Σ	Angle rail complete	241 425	500	Washer 6-200	022 431
1	Switch complete with cable	221 265	501	Hexagon nut M5-8	023 541
2	Spring flange	242 327	502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	241 773	503	Cap screw M2x12	023 522
4	Winding plate	221 101	504	Washer 2-200	022 908
5	Retaining ring	242 325	505	Shoulder screw M5x20x5	023 675



6.1.3.4 Impulse sensor and motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor take-down unit complete	253 803			
1	Asynchronous torque motor (complete)	257 438	500	Cap screw M4x8	022 501
2	Impulse disc	208 716	501	Washer 4-200	020 879
3	Light barrier take-down + comb	300 744	502	Circlip	022 774
4	Cover	212 262	503	Shim ring 4x8x1	023 369
5	Gear wheel	241 668	510*	Cap screw M8x25	020 142

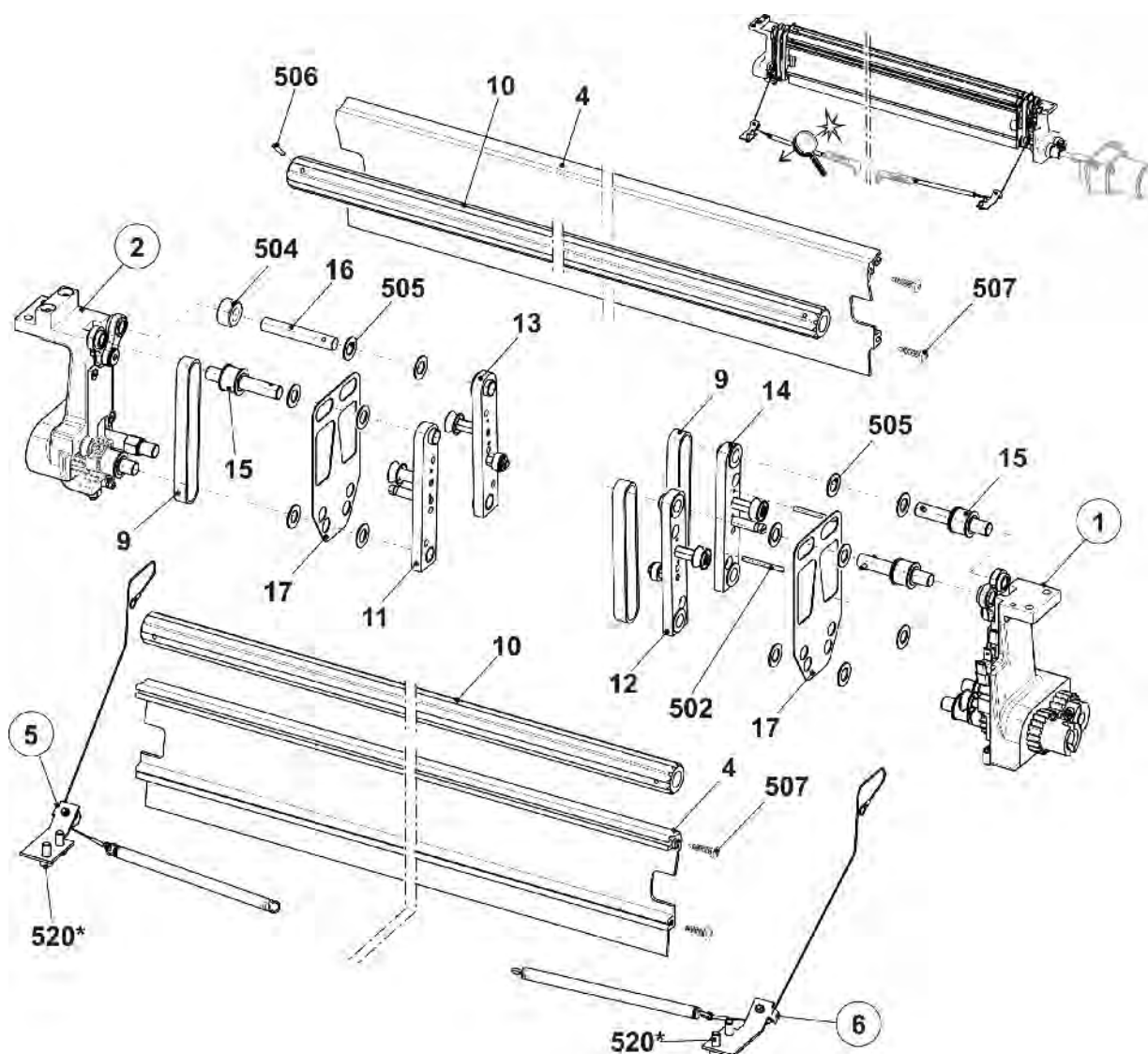


7 Auxiliary Take-down



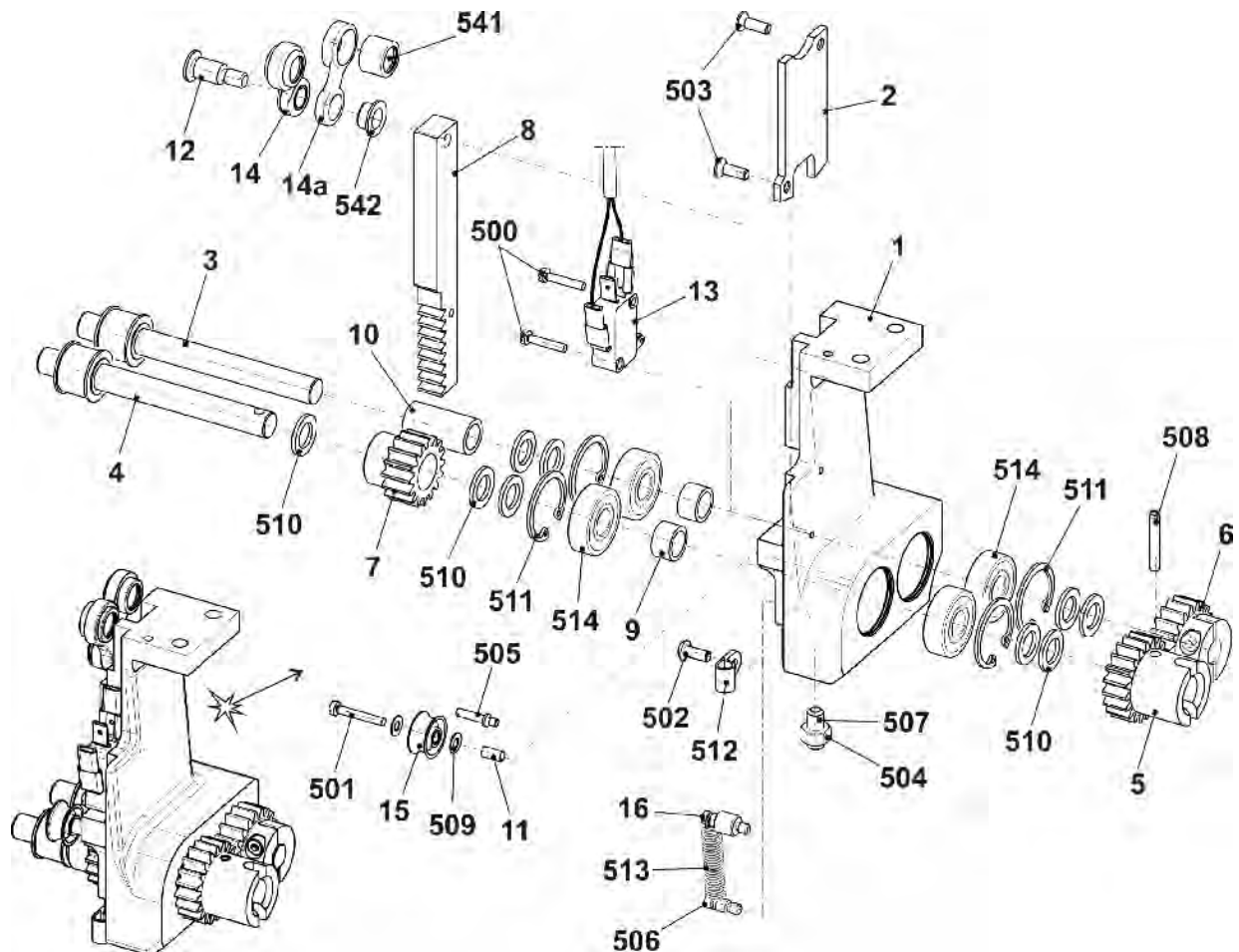
7.1 Auxiliary take-down pre-assembled

Pos	Designation	ID	Pos	Designation	ID
Σ	Auxiliary take-down pre-assembled	254 063			
1	Bearing on the right complete	262 495	14	Lever at the rear on the right	227 260
2	Bearing on the left complete	262 496	15	Toothed belt pulley complete	226 708
4	Guide plate	213 362	16	Bolts	227 914
5	Metal angle on the left complete	225 013	17	Protective plate	225 754
6	Metal angle on the right complete	225 014	502	Shoulder screw M3x27x32	023 634
9	Toothed belt 10T5/260	208 832	504	Set collar	020 934
10	Take-down roller	224 891	505	Stop disk	023 646
11	Lever at the front on the left	227 263	506	Spring dowel sleeve 3x20	020 776
12	Lever at the front on the right	227 262	507	Sheet metal screw St4,8x22-	023 259
13	Lever at the rear on the left	227 261	520*	Cap screw M6x12	020 134



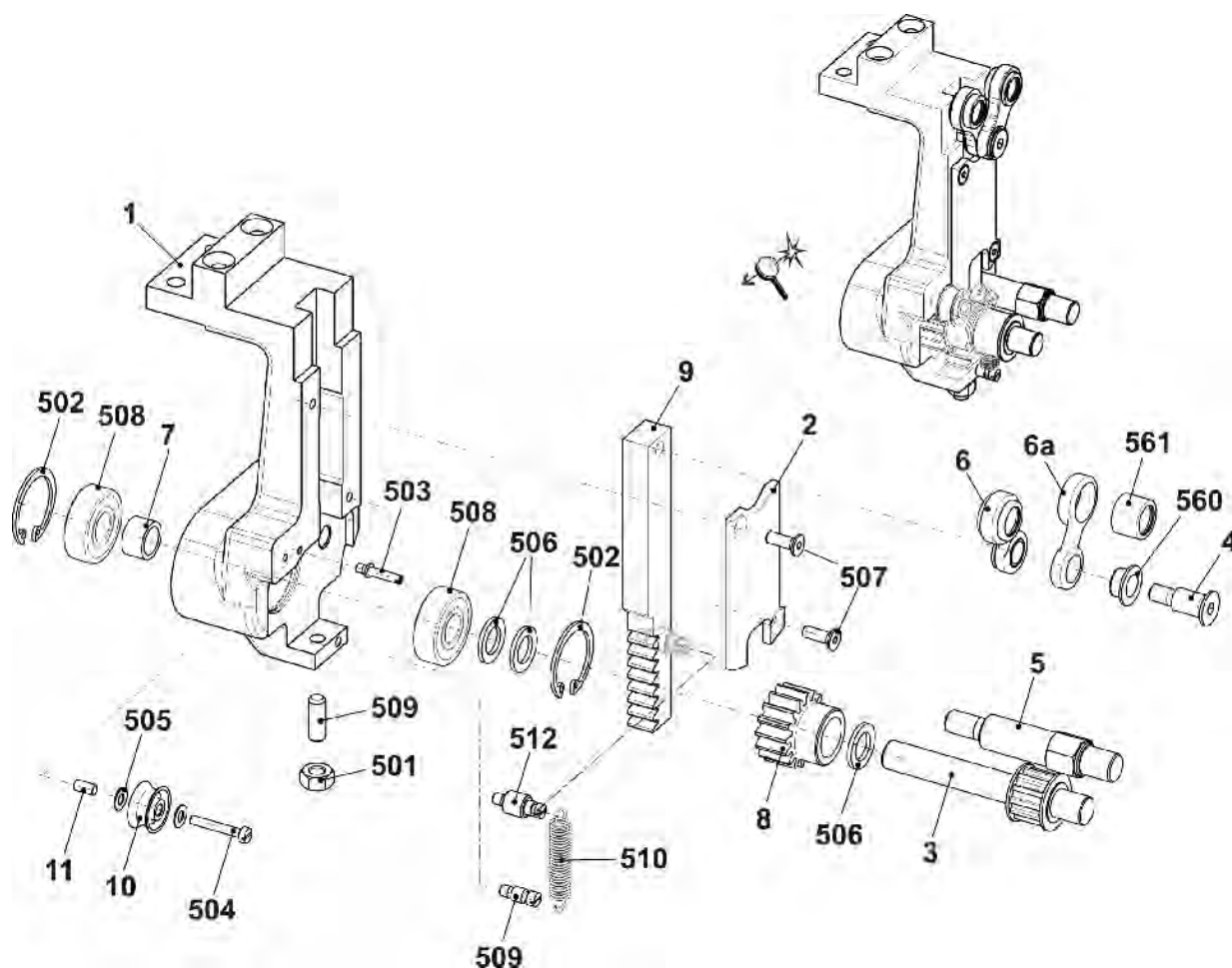
7.1.1 Right bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete	262 495			
1	Bearing block at the right	239 967	34	Roller deflector	218 805
2	Cover	224 881	16	Shoulder screw	239 215
3	Drive shaft complete	227 857	500	Cap screw M3x16	022 560
4	Drive shaft complete	227 853	501	Cap screw M3x20	022 448
5	Gear wheel M=1,5, Z=20	213 880	502	Pan-head screw M4x10	023 450
6	Gear wheel M=1,5, Z=20	210 504	503	Countersunk head screw M4x12	023 062
7	Gear wheel on the right complete	218 524	504	Hexagon nut M6-6	020 836
8	Gear rack on the right	239 218	505	Threaded bolt with shoulder	243 226
9	Threaded spacer	229 683	506	Shoulder screw M4x9x14	020 602
10	Sleeve	227 257	507	Setscrew M6x16-45	023 092
11	Sleeve	239 997	508	Spiral pin 4x24	023 544
12	Collar bolt	210 551	509	Shim ring 4x8x0,5	023 384
13	Cable with switch auxiliary take-downokc	243 142	510	Shim ring 10x16x1,5	023 261
14	Connecting rod complete	226 710	511	Retaining ring 26x1,2	023 359
14a	Connecting rod	255 696	512	Fastening clip 255/5,2	008 335
541	Needle roller bearing HK1010	023 664	513	Tension spring 7,5x0,7x28	023 595
542	Slide bearing GFM-081014-06	023 358	514	Grooved ball bearing 6000-2Z	022 599



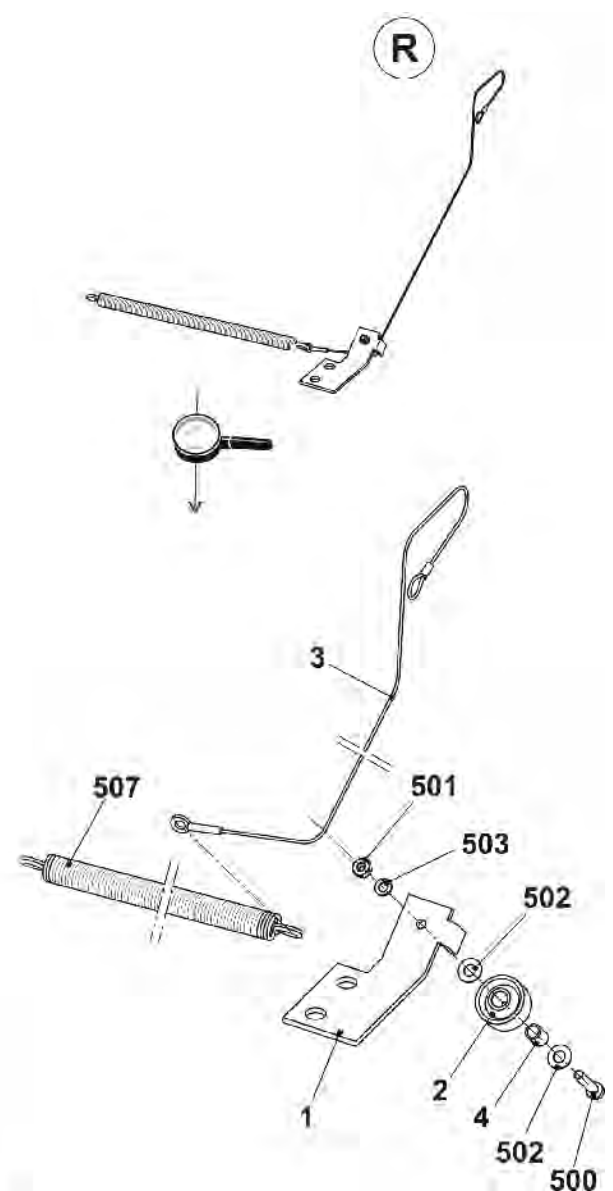
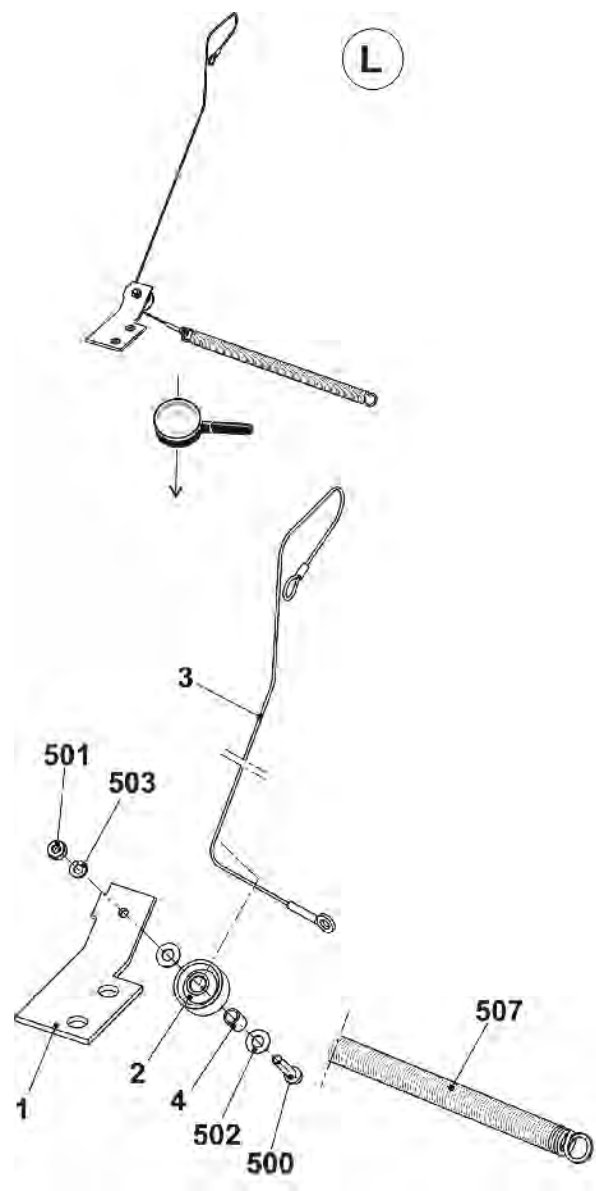
7.1.2 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left complete	262 496			
1	Bearing block on the left	240 001	11	Sleeve	239 997
2	Cover	224 881	12	Shoulder screw	239 215
3	Drive shaft complete	227 887	500	Shoulder screw M4x9x14	020 602
4	Collar bolt	210 551	501	Hexagon nut M6-6	020 836
5	Bolts	226 705	502	Retaining ring 26x1,2	023 359
6	Connecting rod complete	226 710	503	Threaded bolt with shoulder	243 226
6a	Connecting rod	255 696	504	Cap screw M3x20	022 448
560	Slide bearing GFM-081014-06	023 358	505	Shim ring 4x8x0,5	023 384
561	Needle roller bearing HK1010	023 664	506	Shim ring 10x16x1,5	023 261
7	Threaded spacer	229 683	507	Countersunk head screw M4x12	023 062
8	Gear wheel on the left complete	218 523	508	Grooved ball bearing 6000-2Z	022 599
9	Gear rack on the left	239 216	509	Setscrew M6x16-45	023 092
10	Roller deflector	218 805	510	Tension spring 7,5x0,7x28	023 595



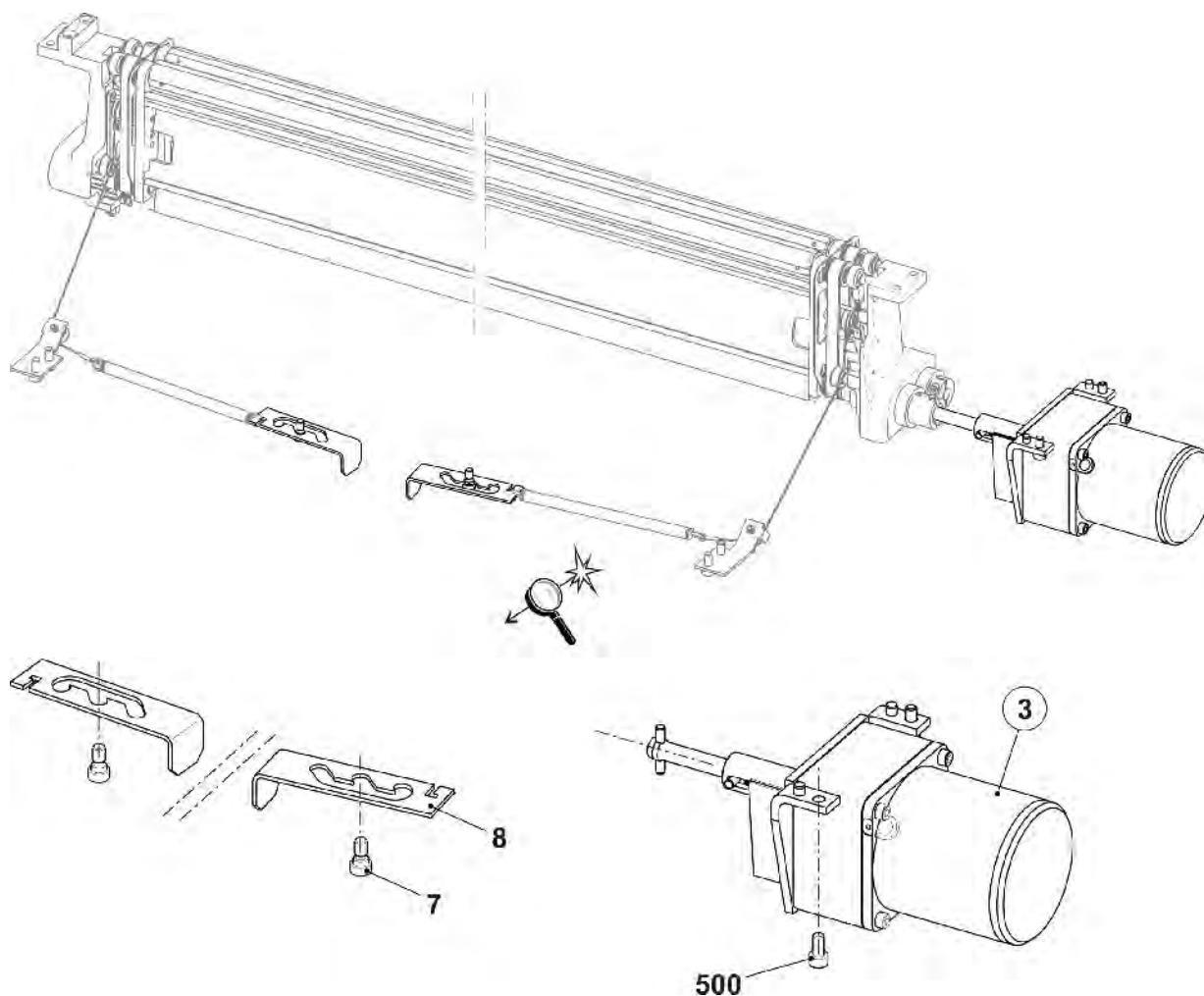
7.1.3 Metal angle on the left and right complete

Pos	Designation	Id	Pos	Designation	Id
Σ L	Metal angle on the left complete	225 013	Σ R	Metal angle on the right complete	225 014
1	Metal angle on the left	224 920	1	Metal angle on the right	224 931
2	Roller deflector	218 805	2	Roller deflector	218 805
3	Fine rope	224 977	3	Fine rope	224 977
4	Sleeve	227 867	4	Sleeve	227 867
500	Cap screw M3x16	022 560	500	Cap screw M3x16	022 560
501	Hexagon nut M3-6	022 564	501	Hexagon nut M3-6	022 564
502	Shim ring 4x8x0,5	023 384	502	Shim ring 4x8x0,5	023 384
503	Spring washer A3	021 005	503	Spring washer A3	021 005
507	Tension spring 8x0,9x75	021 287	507	Tension spring 8x0,9x75	021 287



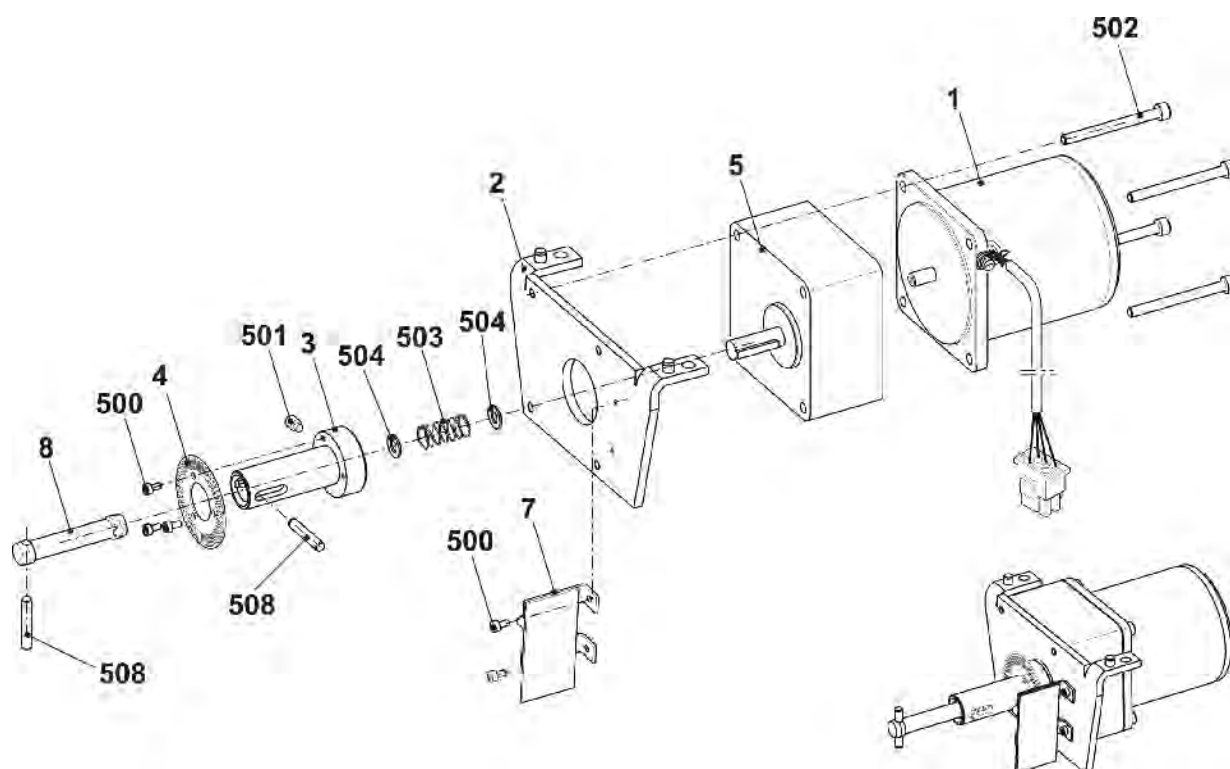
7.2 Auxiliary take-down in the middle

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down in the middle	254 064			
3	Take-down motor complete auxiliary take-down	244 291	8	Detent plate	222 040
7	Shoulder screw	207 101	500	Cap screw M6x12	020 134



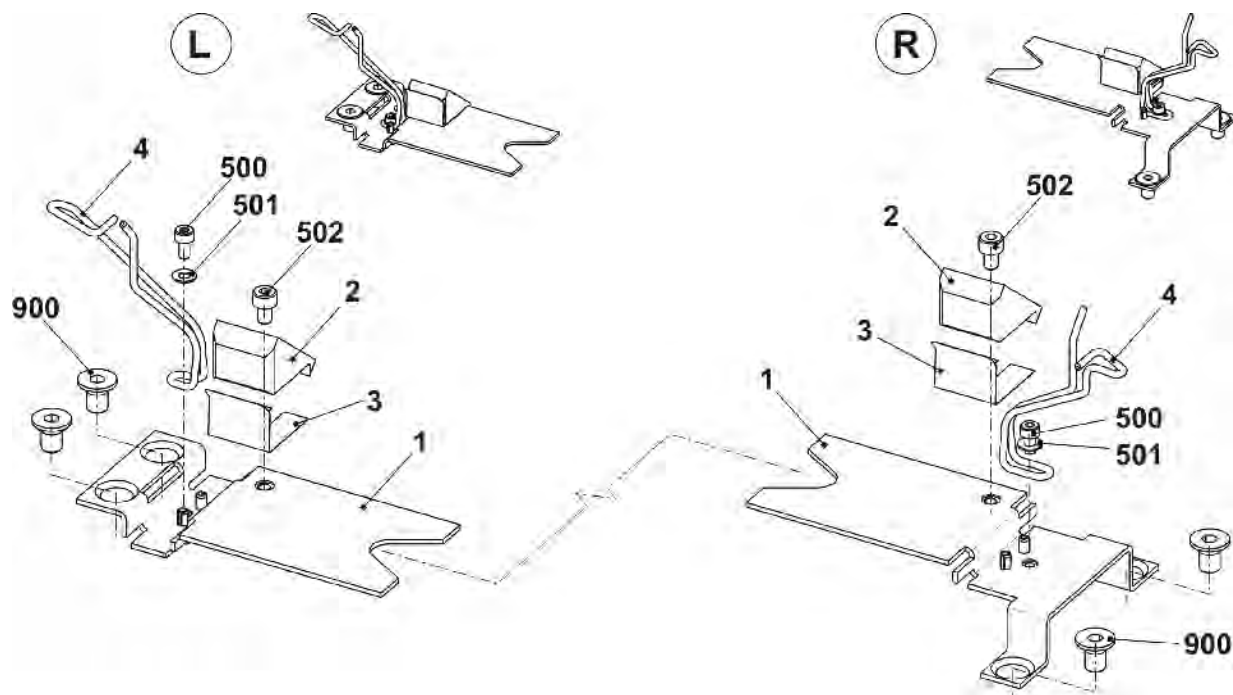
7.2.1 Motor

Pos	Designation	ID	Pos	Designation	ID
Σ	Motor auxiliary take-down complete	244 291	8	Shaft	219 025
1	Motor auxiliary take-down	213 871	500	Cap screw M3x6	022 589
2	Motor bracket	244 279	501	Setscrew M6x10	023 543
3	Drive sleeve	219 024	502	Cap screw M5x55	023 321
4	Impulse disc	218 449	503	Compression spring 0,63x10,97x40	023 500
5	Gear unit 4GN36K	220 353	504	Shim ring 6x12x1	023 444
7	Light barrier Auxiliary take-down	217 462	508	Dowel pin5x28	241 686

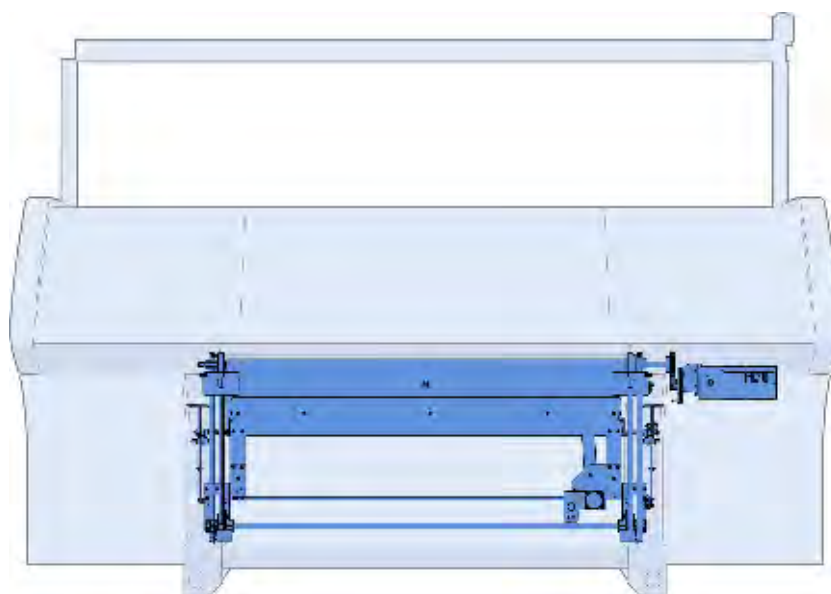


7.3 Yarn brake

Pos	Designation	ID	Pos	Designation	ID
Σ L	Yarn brake on the left	243 211	Σ R	Yarn brake on the right	243 212
1	Cover on the left	243 209	1	Cover on the left	243 210
2	Clamping piece	232 547	2	Clamping piece	232 547
3	Leaf spring	232 548	3	Leaf spring	232 548
4	Yarn guide bow on the left	243 207	4	Yarn guide bow on the left	243 208
500	Cap screw M3x6	022 589	500	Cap screw M3x6	022 589
501	Washer 3	022 806	501	Washer 3	022 806
502	Cap screw M4x6	023 067	502	Cap screw M4x6	023 067
900	Countersunk screw M6x10	023 016	900	Countersunk screw M6x10	023 016

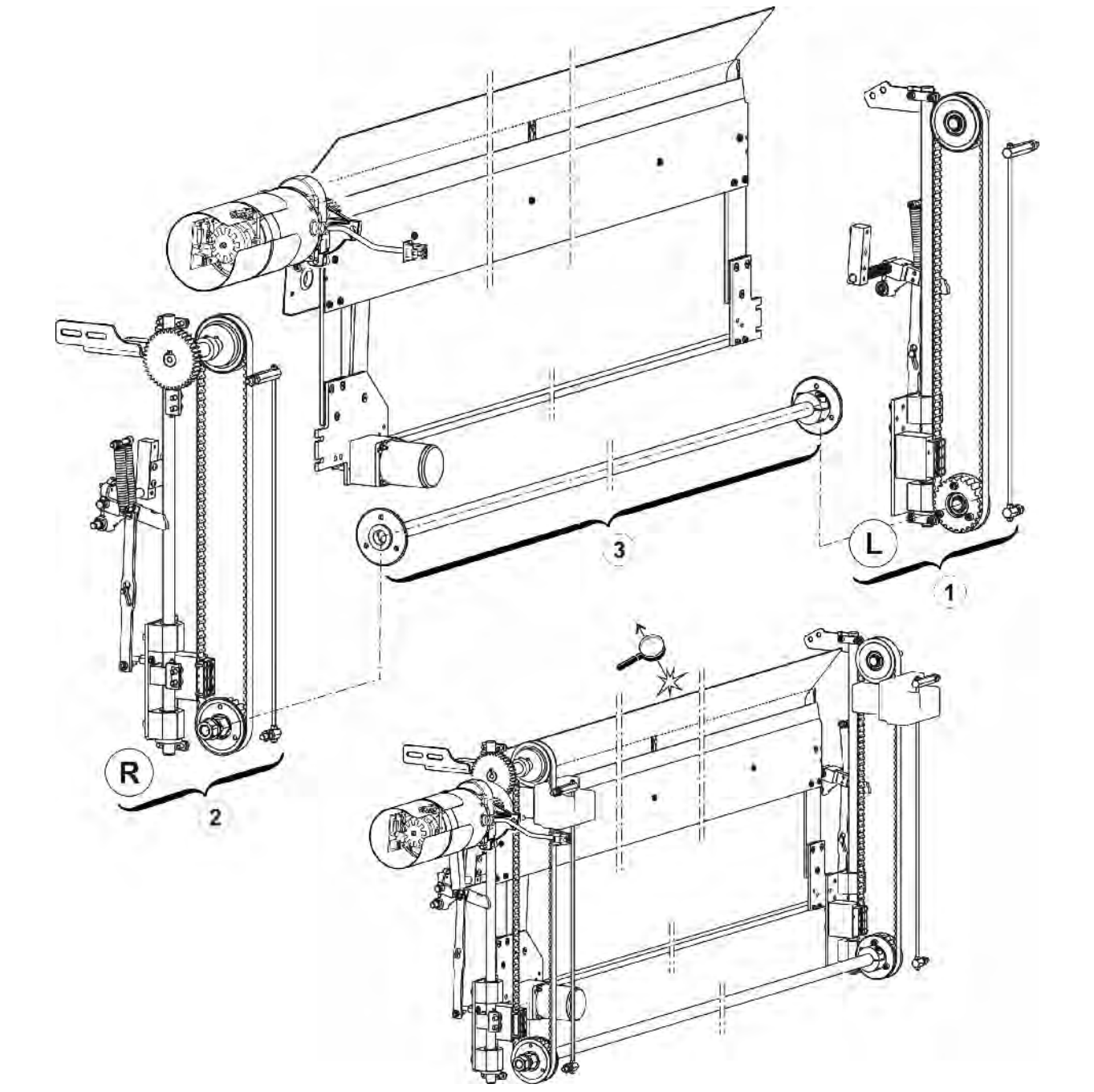


8 Comb Take-down



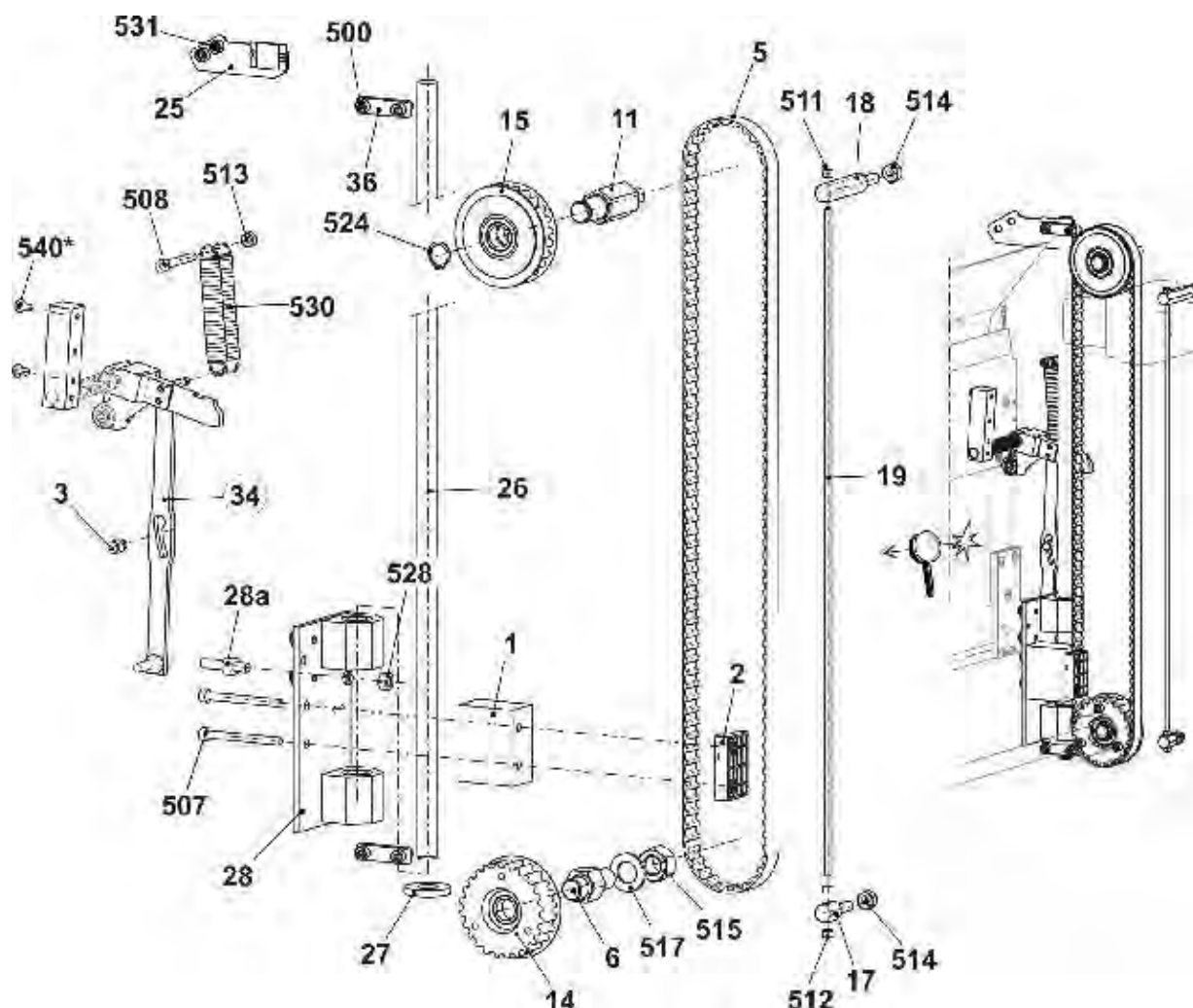
8.1 Comb Take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down				
1	Comb take-down on the left	256 834			
2	Comb take-down on the right	256 835			
3	Comb take-down in the middleE12	253 522			



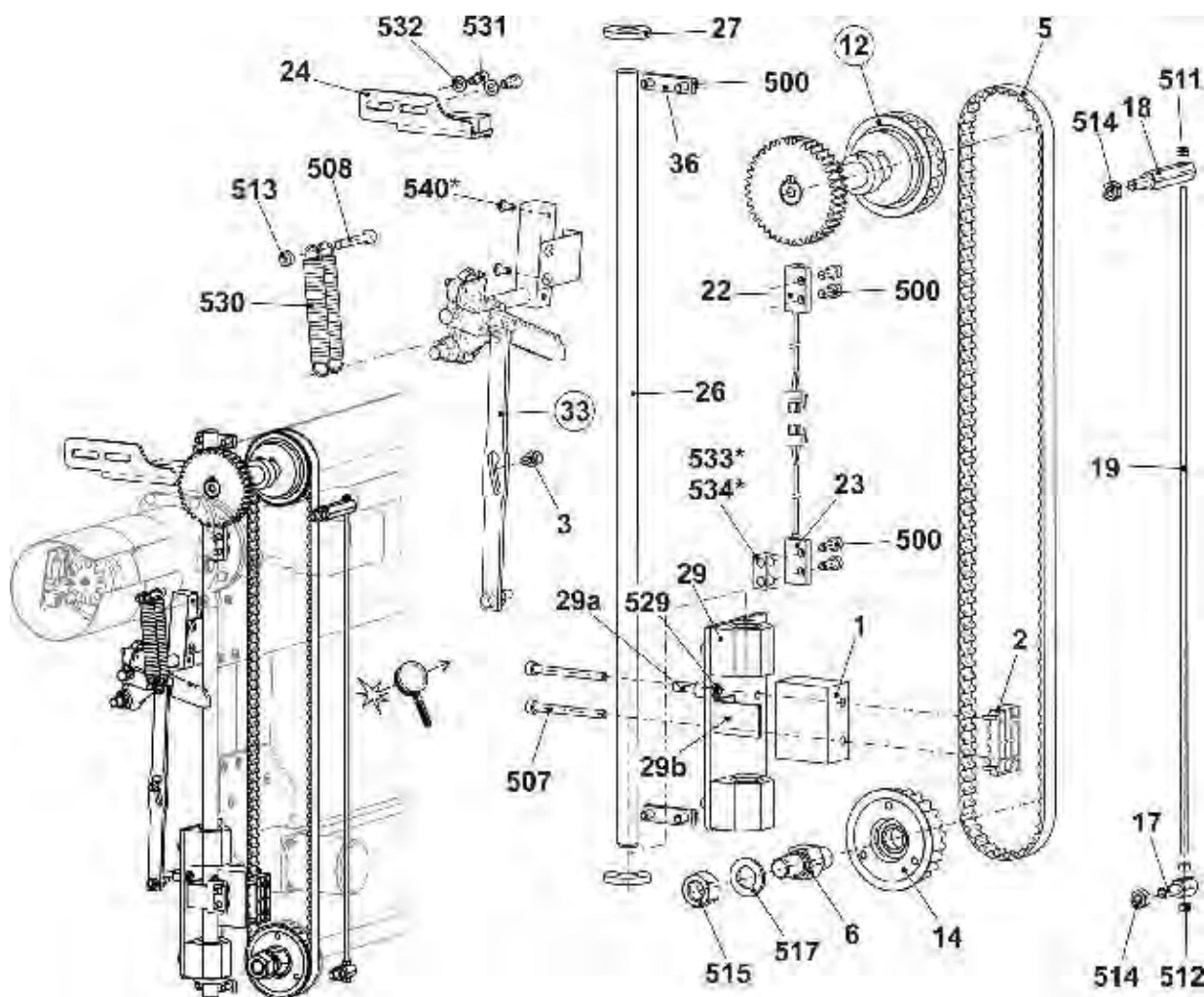
8.1.1 Comb take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping piece	209 379	528	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	256 826	517	Washer 16	020 876
26	Guide bar C35	206 560	524	Retaining ring 17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din2097 15x1,50x70,94	251 614
28	Comb guide on the left	255 425	531	Cap screw M6x12	020 134
28a	Driving bolt	255 427	540*	Pan-head screw M5x10	023 247



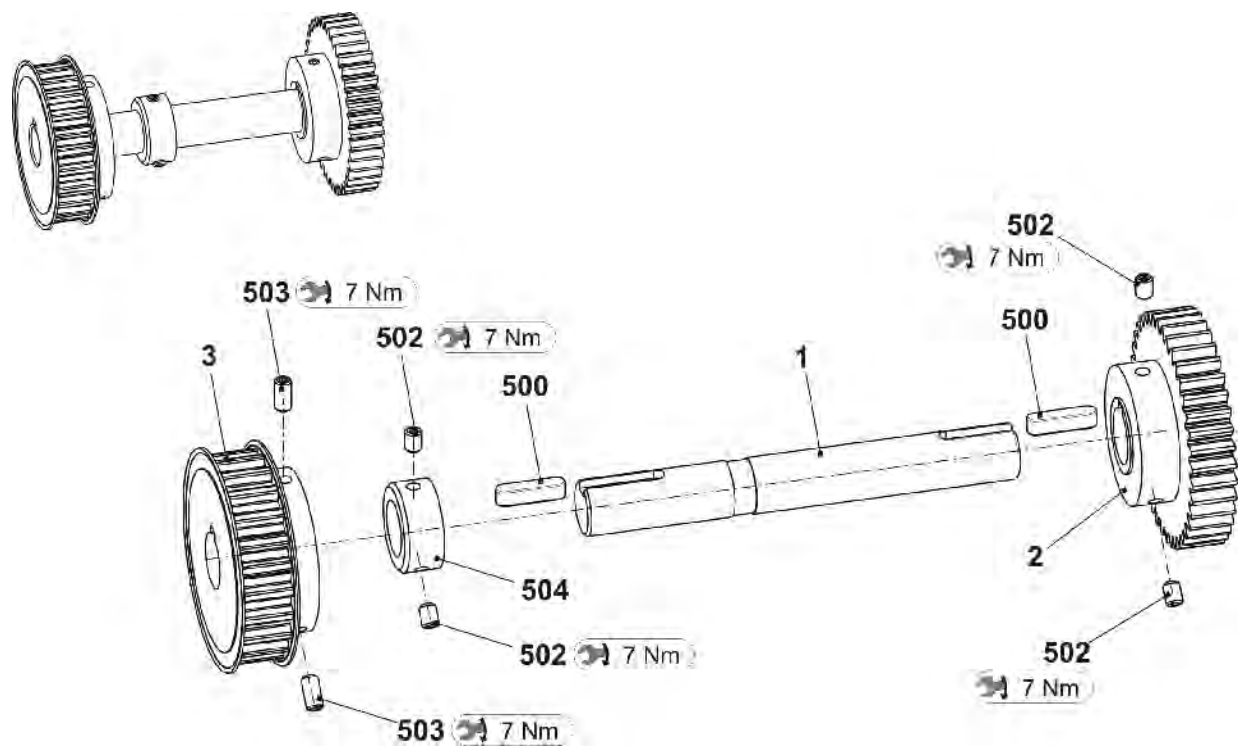
8.1.2 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 835			
1	Clamping piece	209 379		529 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	33	Swivel lever on the right	252 858
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	Washer 16	020 876
24	Light barrier complete	256 825	530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	Washer 6	020 872
29	Comb guide on the right	255 424	533*	Shim 0,2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim 0,5x12x27	023 736
29b	Angle	240 112	540*	Pan-head screw M5x10	023 247



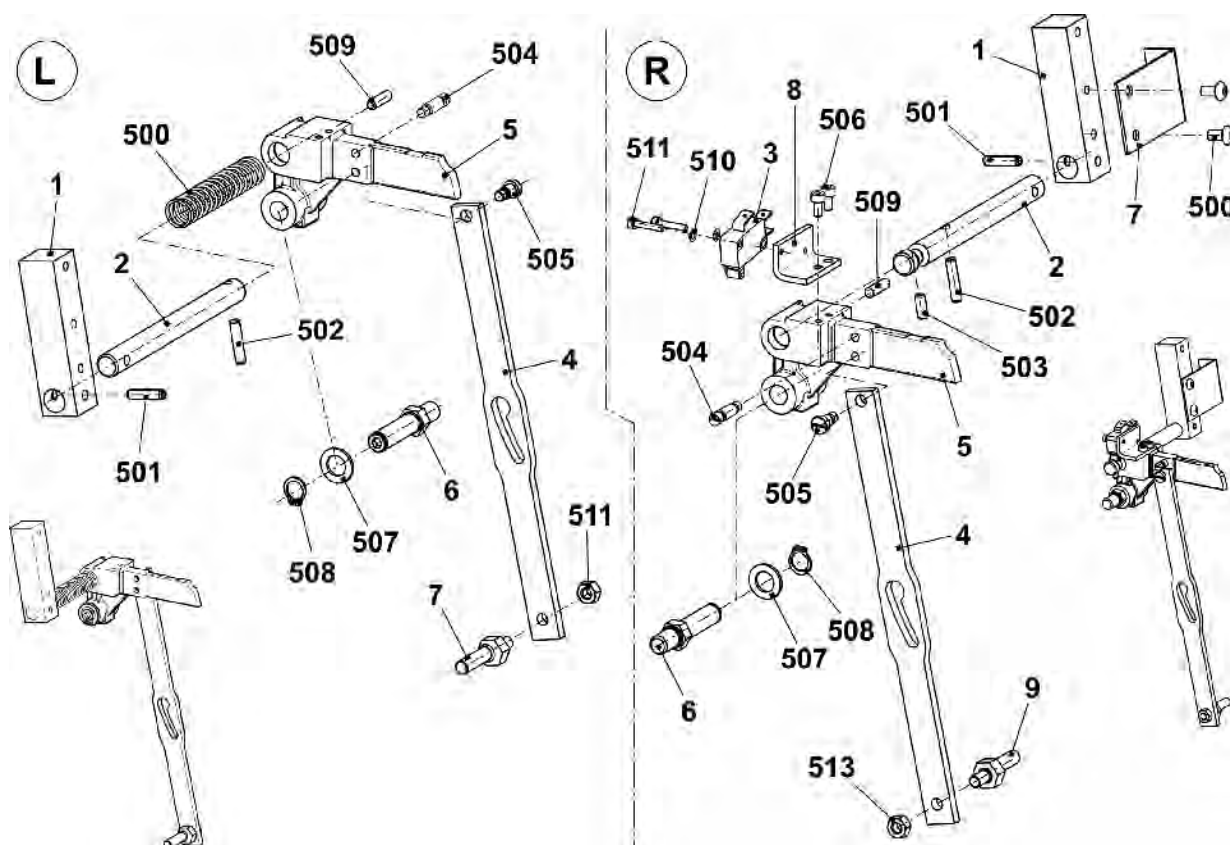
8.1.2.1 Drive shaft of comb

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive shaft comb complete	214 583			
1	Shaft	213 969	500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744	502	Setscrew M6x8	022 684
	Always order position 502 additionally		503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394	504	Set collar	020 938
	Always order position 503 additionally				



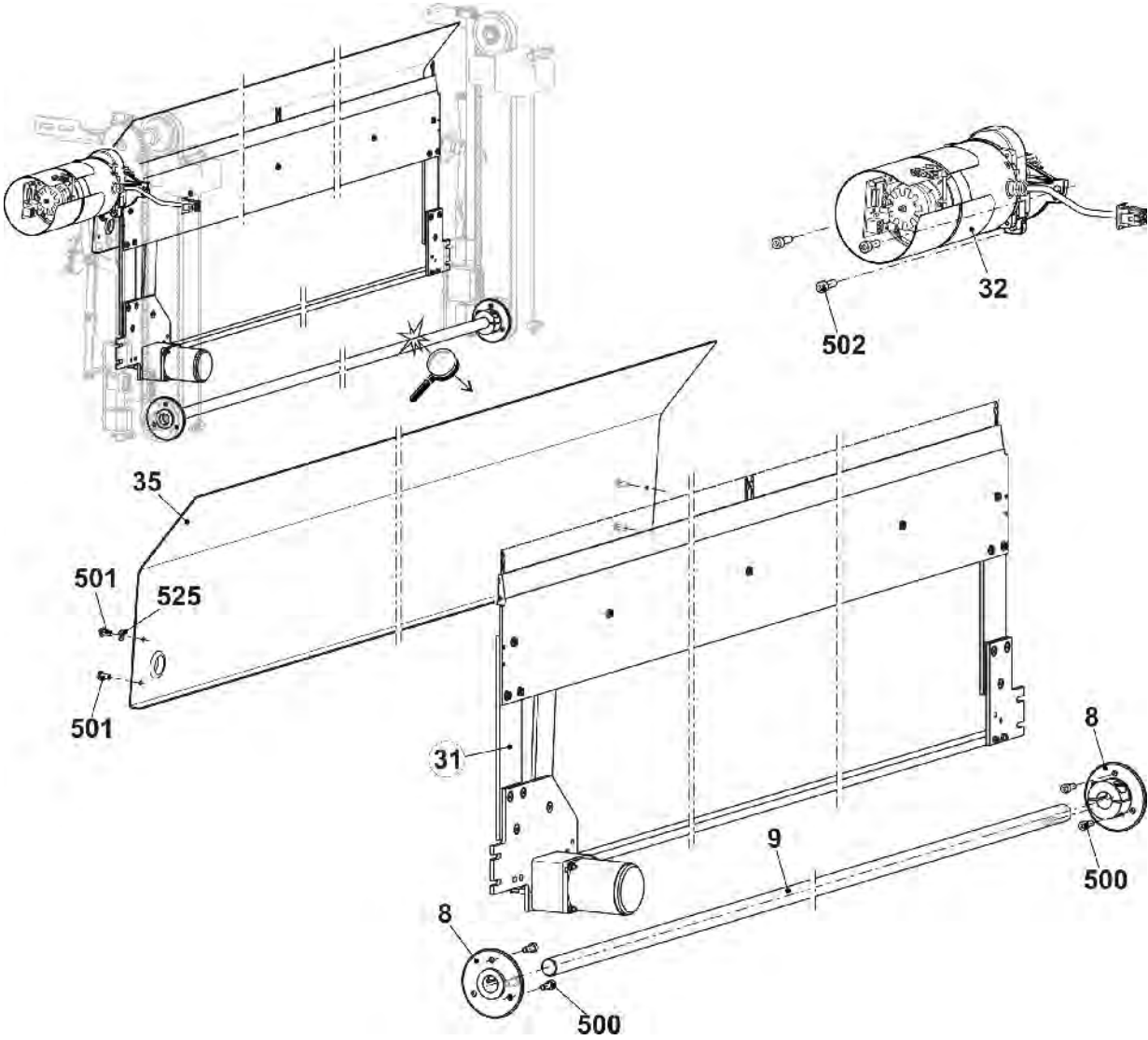
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ L	Swivel lever on the left	252 859	3	Microswitch	026 259
1	Support	252 780	4	Plunger	255 650
2	Shaft	223 994	5	Swivel lever	239 248
4	Plunger	255 650	6	Bolts	214 053
5	Swivel lever	239 248	7	Angle	224 009
6	Bolts	214 053	8	Angle	238 304
7	Eccentric bolt	255 651	9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572	500	Pan-head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794	501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716	502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618	503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365	504	Shoulder screwM5x29x35	251 618
507	Washer 10	020 884	505	Shoulder screw M5X5,8X6,2	023 365
508	Retaining ring	020 950	506	Cap screw M4x8	022 501
509	Shoulder screw M5x12x18	020 539	507	Washer 10	020 884
511	Hexagon nut M8-6	020 838	508	Retaining ring10x1	020 950
Σ R	Swivel lever on the right	252 858	509	Shoulder screwM5X12X18	020 539
1	Support	252 780	510	Cap screw M3x16	022 583
2	Shaft	238 339	511	Washer 3	020 877
			513	Hexagon nut M8-6	020 838



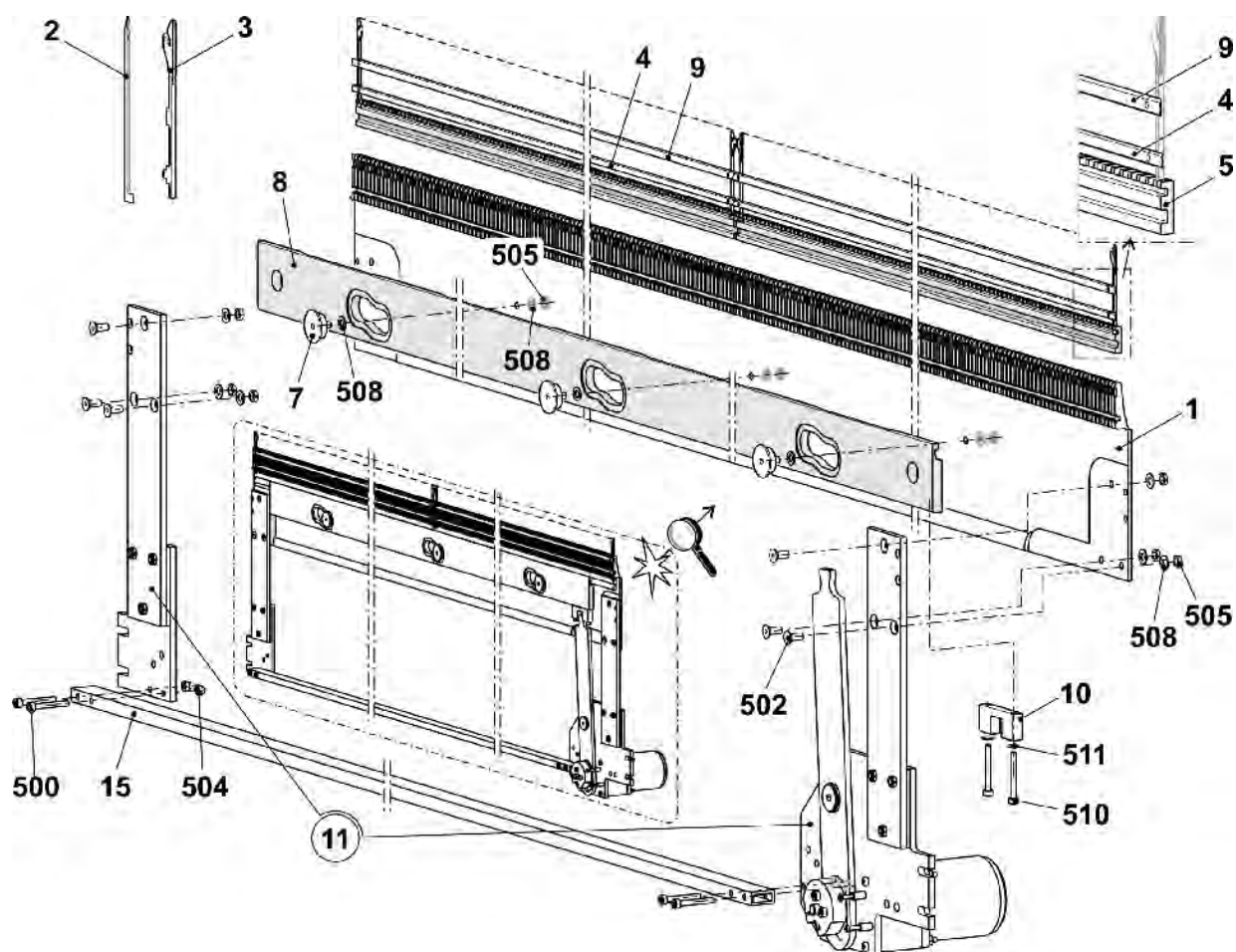
8.1.3 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E12	253 522		E12	240 061
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	213 968	35	Marking plate	259 237
500	Cap screw M6x16	020 135	502	Cap screw M8x25	020 142
501	Pan head screw M5x10	023 247	525	Serrated lock washer J5,3	022 489



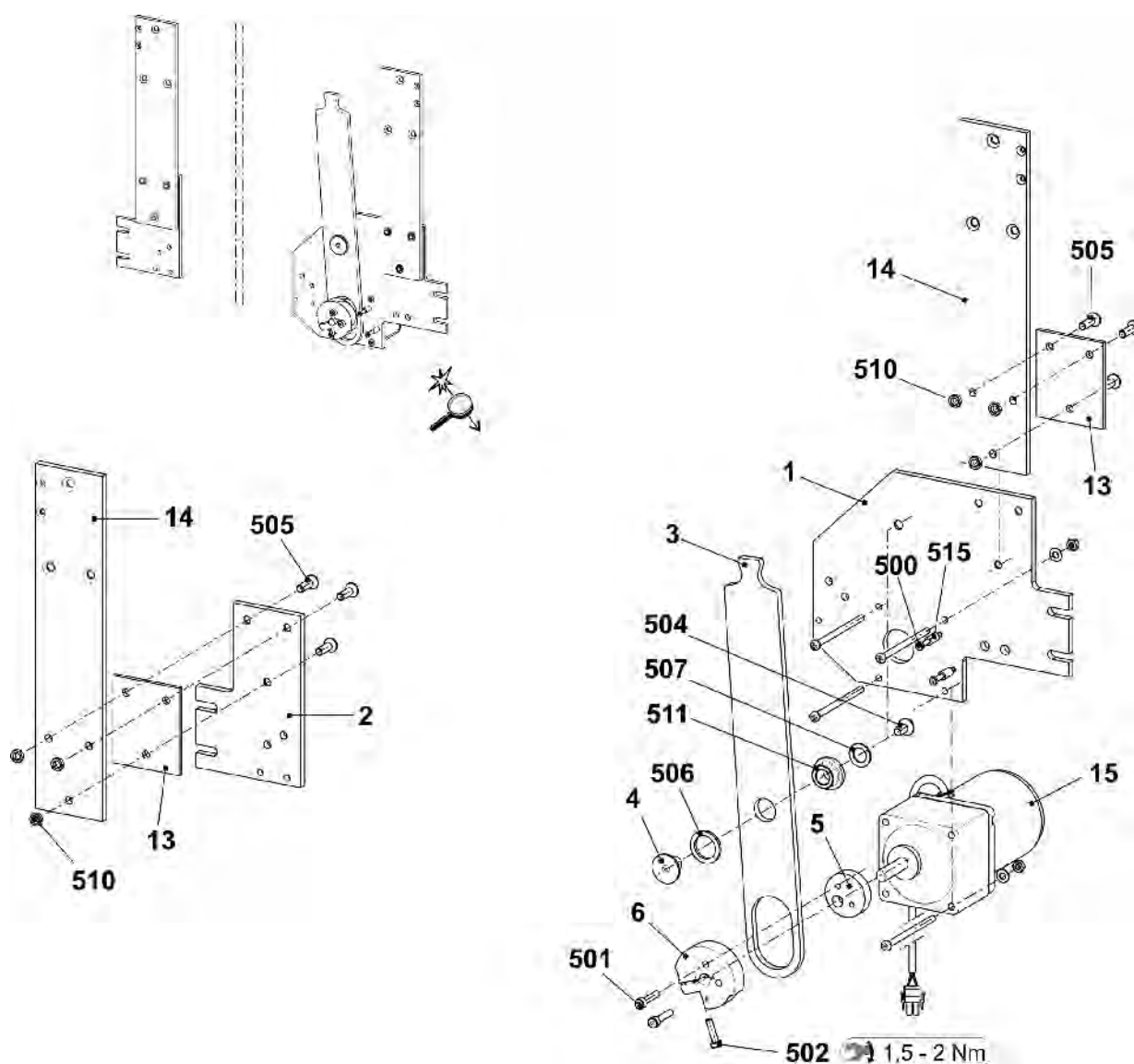
8.1.3.1 Comb unit E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit E12	240 061			
1	Hook bed E12	221 197	11	Switching lever complete	240 060
2	Closer E10-14	230 106	15	Stabilizer	215 253
3	Body E10-14	230 094	500	Cap screw M4x30	023 290
4	Cover rail	213 428	502	Countersunk head screw M5x12	023 340
5	Hook slider E12	220 994	504	Hexagon nut M4-8	023 046
7	Collar bolt complete	211 036	505	Hexagon nut M5-04	020 854
8	Cross slider	240 061	508	Washer 5	020 871
9	Cover rail	222 866	510	Cap screw M4x35	023 550
10	Plunger	205 678	511	Circlip	022 774



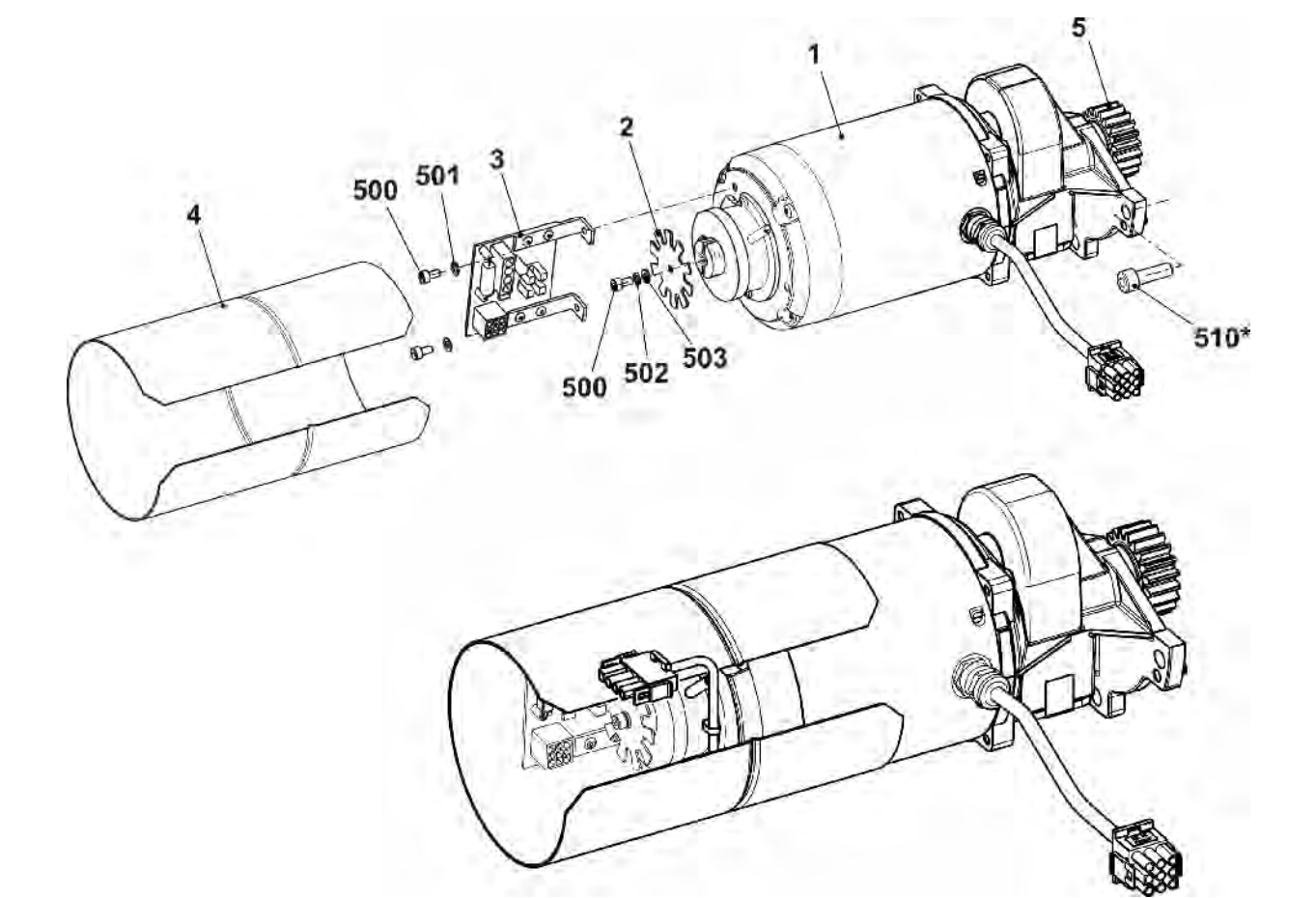
8.1.3.2 Switching lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Switching lever complete	240 060	500	Cap screw M3x25	023 093
1	Screw-on plate on the right	240 058	501	Cap screw M4x20	023 171
2	Screw-on plate on the left	240 059	502	Cap screw M4x16	023 123
3	Lever	215 228	504	Pan-head screw M6x12	023 435
4	Bearing bolt	215 675	505	Pan-head screw M5x16	023 417
5	Eccentric	205 681	506	Shim ring 16x22x2	023 449
6	Tension cam	215 287	507	Shim ring 10x16x1	023 260
13	Intermediate plate	213 980	510	Hexagon nut M5	020 854
14	Holding plate	218 977	511	Collar bearing 10x16x22	022 841
15	Motor comb hook with 2 phases	244 635	515	Threaded spacer	210 488

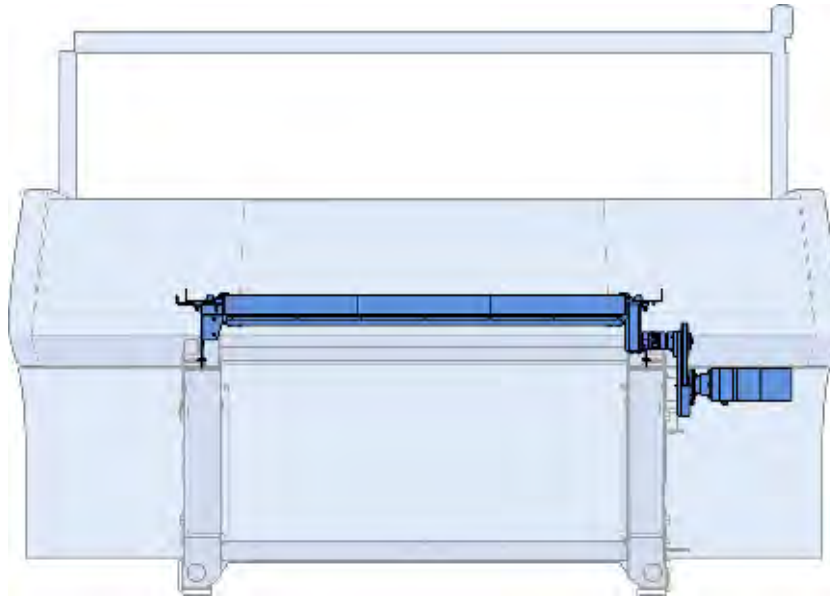


8.1.3.3 Impulse sensor and motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor take-down unit complete	253 803			
1	Asynchronous torque motor (complete)	257 438	500	Cap screw M4x8	022 501
2	Impulse disc	208 716	501	Washer 4-200	020 879
3	Light barrier take-down + comb	300 744	502	Circlip	022 774
4	Cover	212 262	503	Shim ring 4x8x1	023 369
5	Gear wheel	241 668	510*	Cap screw M8x25	020 142

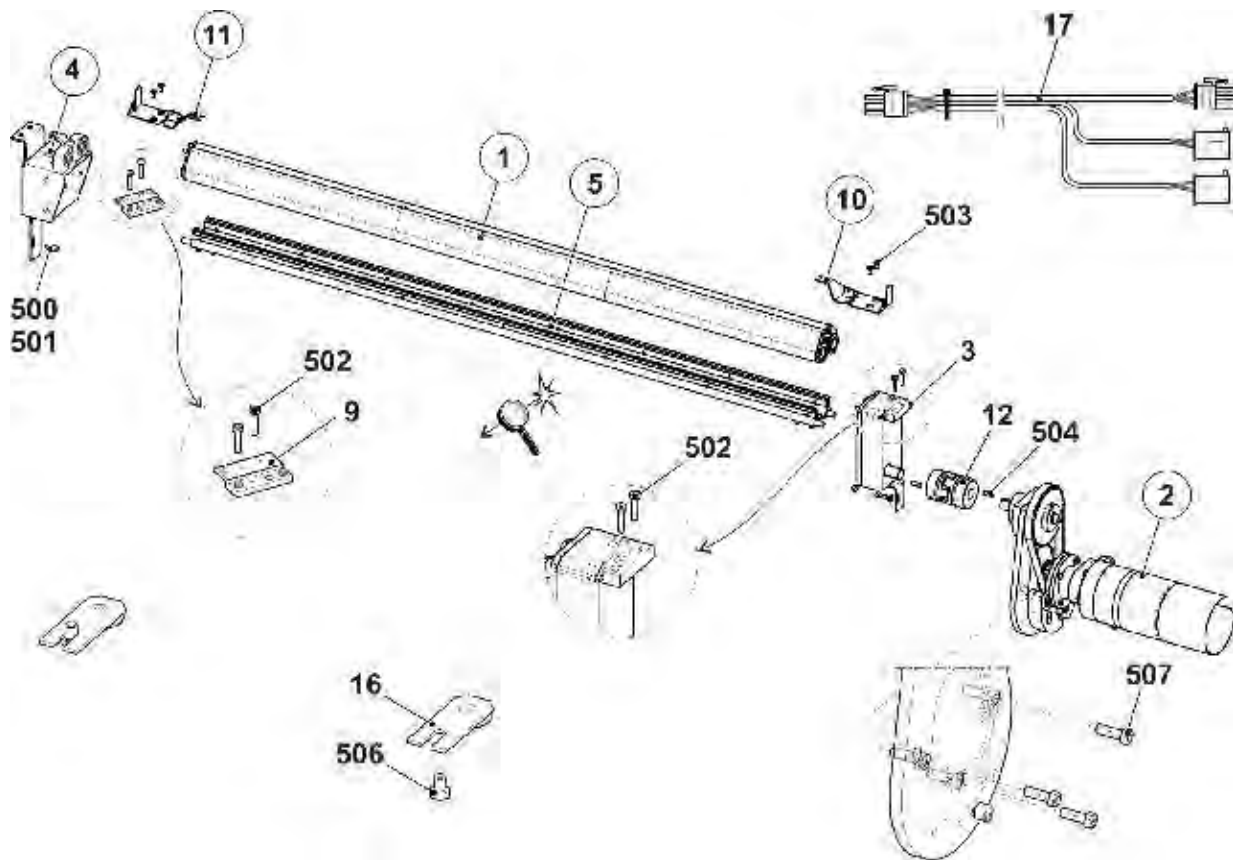


9 Belt take-down



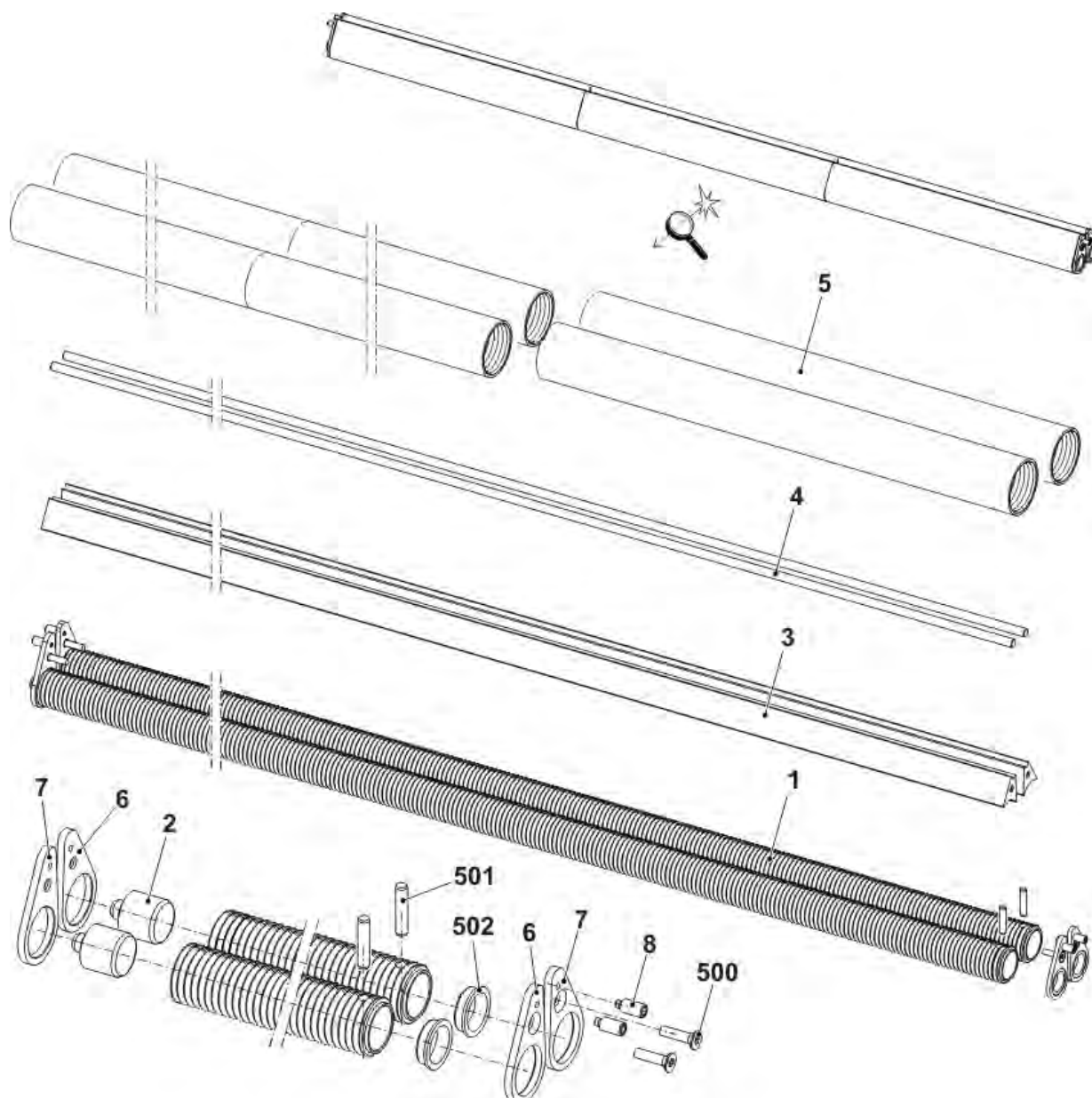
9.1 Belt Take-Down

Pos	Designation	Id	Pos	Designation	Id
Σ	Belt take-down				
1	Belt complete	265 973	16	Thread clamp	267 514
2	Drive unit complete	265 975	17	Cable between switch and winding plate BA	266 560
3	Gear unit complete	265 979	500	Cap screw M6x16	020 135
4	Left support complete	266 829	501	Washer 6	020 872
5	Winding guard complete	265 985	502	Cap screw M6x25	023 335
9	Adapter yarn brake	236 177	503	Countersunk screw M6x14	266 777
10	Yarn brake on the right E12-18	266 931	504	Feather key 6x6x20	265 788
11	Yarn brake on the left E12-18	266 930	506	Cap screw M6x8	023 532
12	Coupling	265 693	507	Cap screw M8x25	023 563



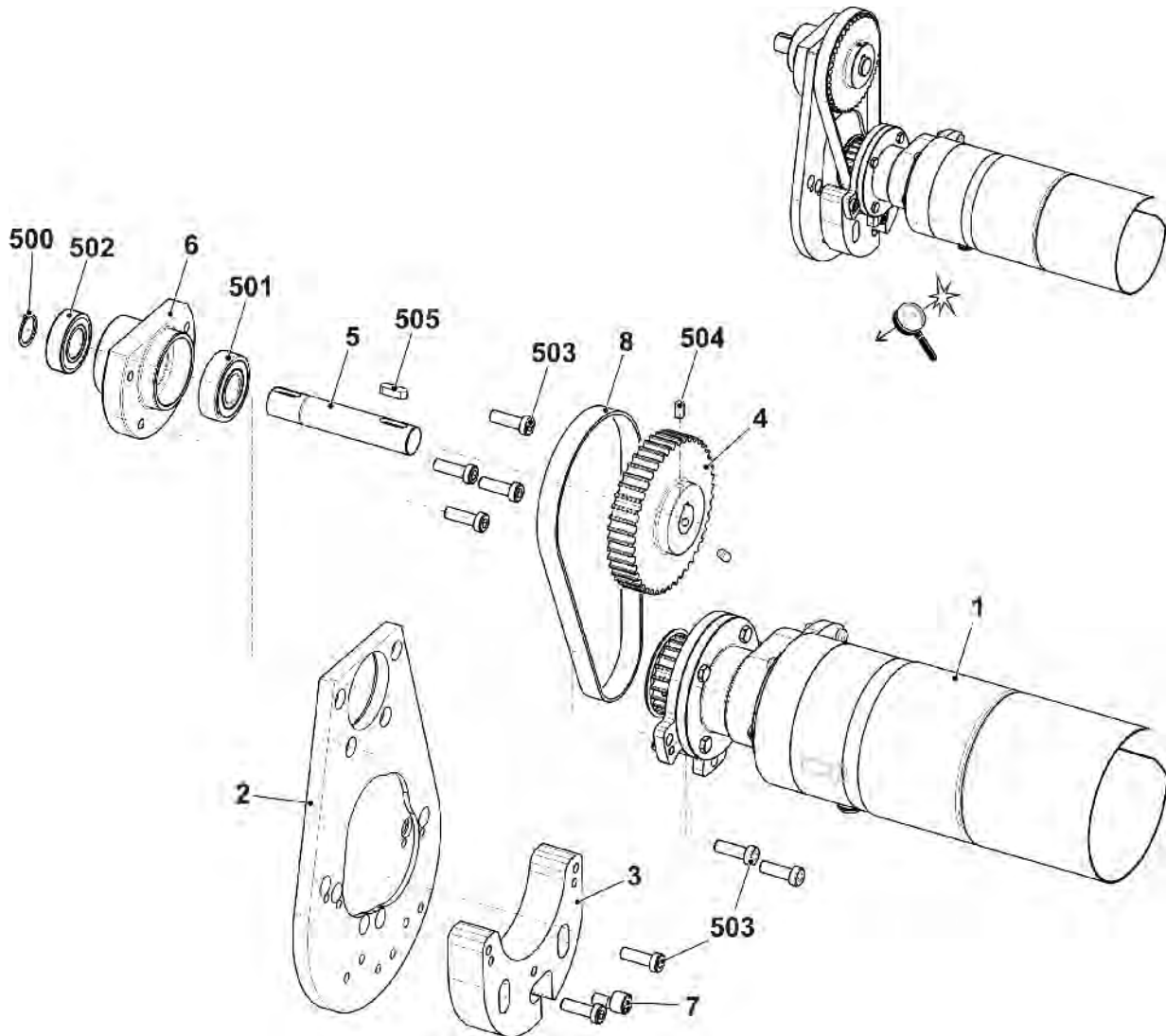
9.2 Belt

Pos	Designation	Id	Pos	Designation	Id
Σ	Belt complete	265 973	6	Casing cap at the right	266 382
1	Drive shaft	265 607	7	Casing cap at the left	266 383
2	Bolts	265 633	8	Support	265 630
3	Support body	265 608	500	Screw 50x20	263 540
4	Deflection rod	265 609	501	Dowel pin 6x28	265 784
5	Belt	265 582	502	Slide bearing	266 772



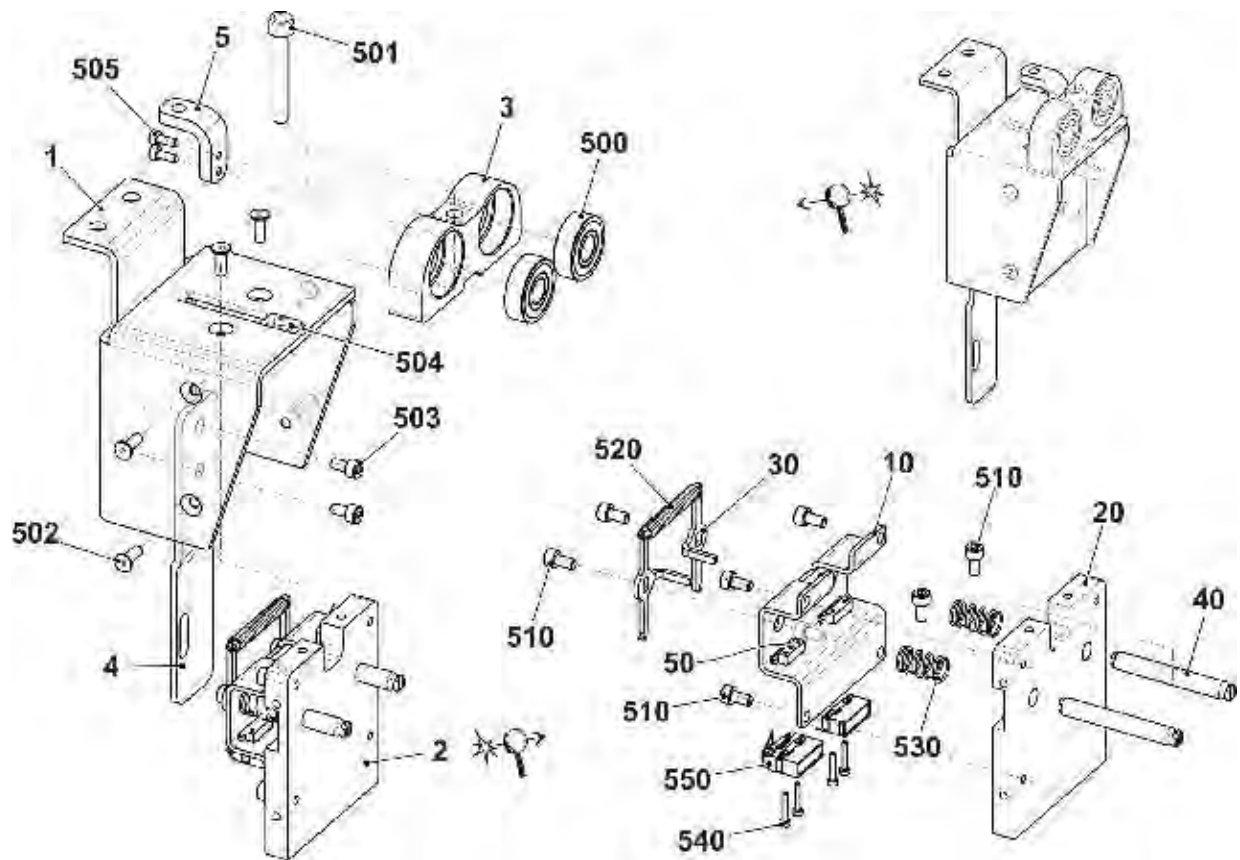
9.3 Drive unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	265 975			
1	Motor complete	265 614	8	Toothed belt 560	265 738
2	Plate at the top	266 818	500	Retaining ring 20x1,2	020 956
3	Motor support	266 819	501	Grooved ball bearing 6204-2RS	022 848
4	Timing belt pulley 44-HTD8M	265 624	502	Grooved ball bearing 6004-2RS	236 089
5	Shaft	265 634	503	Cap screw M8x25	023 563
6	Flange	266 820	504	Setscrew M16x12	023 898
7	Eccentric	266 612	505	Feather key 6x6x20	265 788



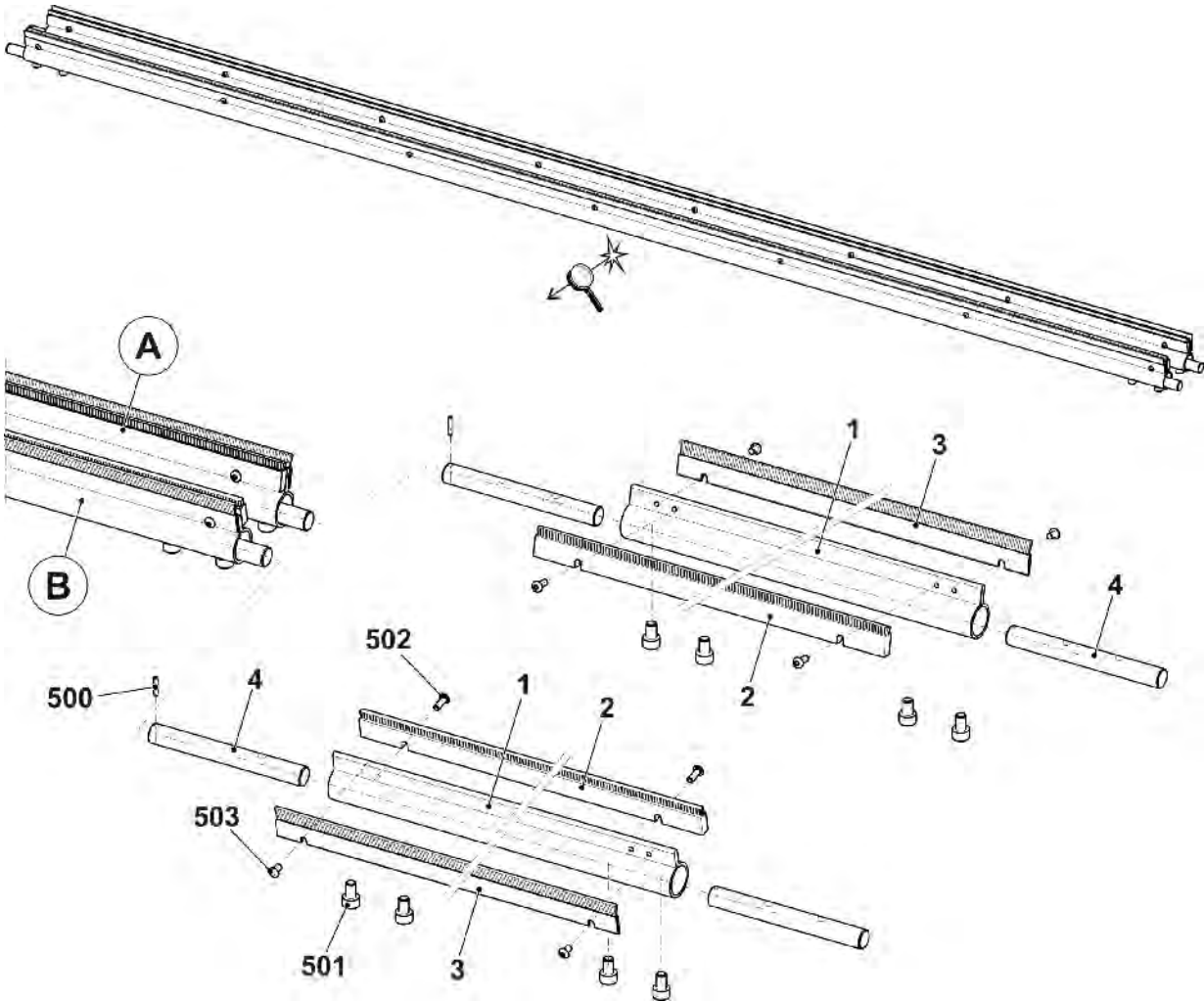
9.4 Support on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Left support complete	266 829			
1	Support angle	266 417	540	Cap screw M2x12	023 522
2	Switch component complete	265 981	550	Switch of winding plate BA	266 613
10	Support on the left	266 821	3	Support	266 418
20	Screw-on plate	266 419	4	Holding angle at the left	265 704
30	Switch plate	266 822	5	Bearing strip at the top complete	266 853
40	Operating shaft	266 823	500	Grooved ball bearing 6000-2Z	022 599
50	Tension bar	266 824	501	Cap screw M6x40	020 140
510	Cap screw M4x8	022 501	502	Countersunk screw M4x12	023 062
520	Tension spring	023 308	503	Cap screw M5x8	023 319
530	Compression spring	023 464	504	Nut M6x8	265 785
			505	Cap screw M3x8	022 582



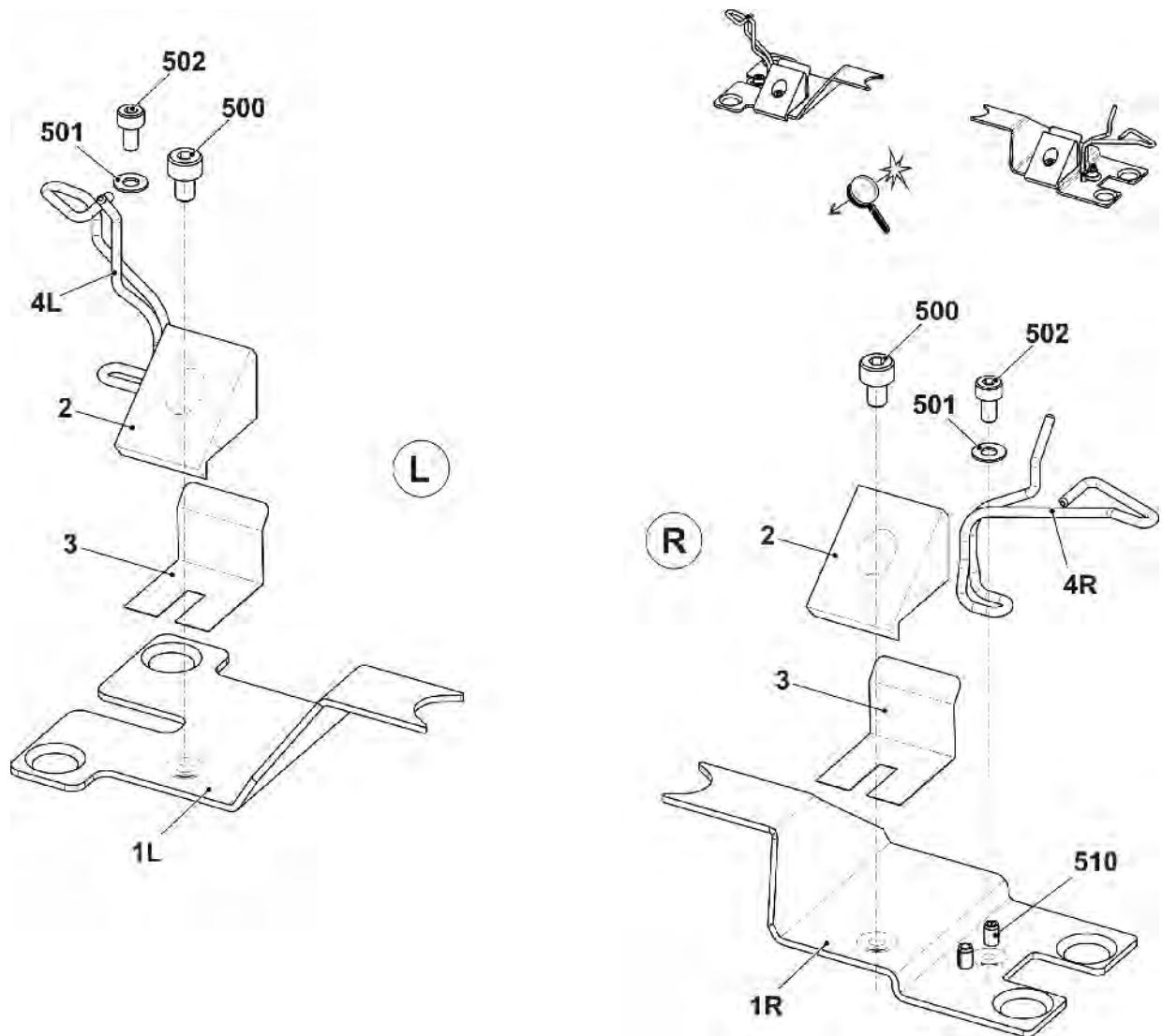
9.5
Winding guard

Pos	Designation	Id	Pos	Designation	Id
Σ	Winding guard complete	265 985			
A	Stripping angle at the rear complete	265 983	4	Shaft	265 697
B	Stripping angle in the front complete	265 984	500	Dowel pin2x10	266 722
1	Stripping angle	266 826	501	Cap screw M5x8	023 319
2	Stripping brush	265 639	502	Pan head screw M3x5	023 530
3	Brush antistatic	265 645	503	Pan head screw M3x5	235 966

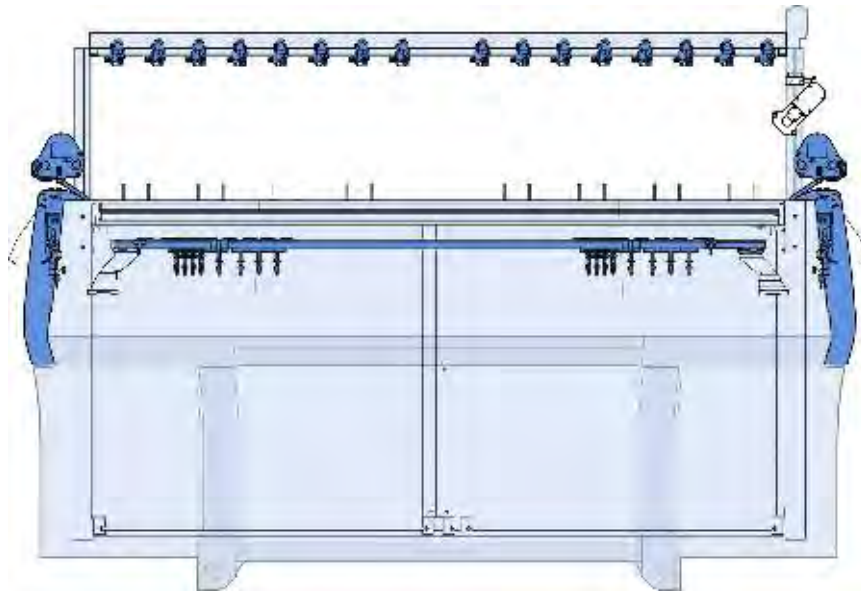


9.6 Yarn brakes

Pos	Designation	Id	Pos	Designation	Id
Σ L	Yarn brake on the left	266 930	4L	Yarn guide bow	266 943
Σ R	Yarn brake on the right	266 931	4R	Yarn guide bow	266 944
1L	Cover on the left	266 945	500	Cap screw M3x6	022 589
1R	Cover on the right	266 946	501	Washer 3	022 806
2	Clamping piece	232 547	502	Cap screw M4x6	023 067
3	Leaf spring	232 548	510	Spring dowel sleeve 3x8	023 069

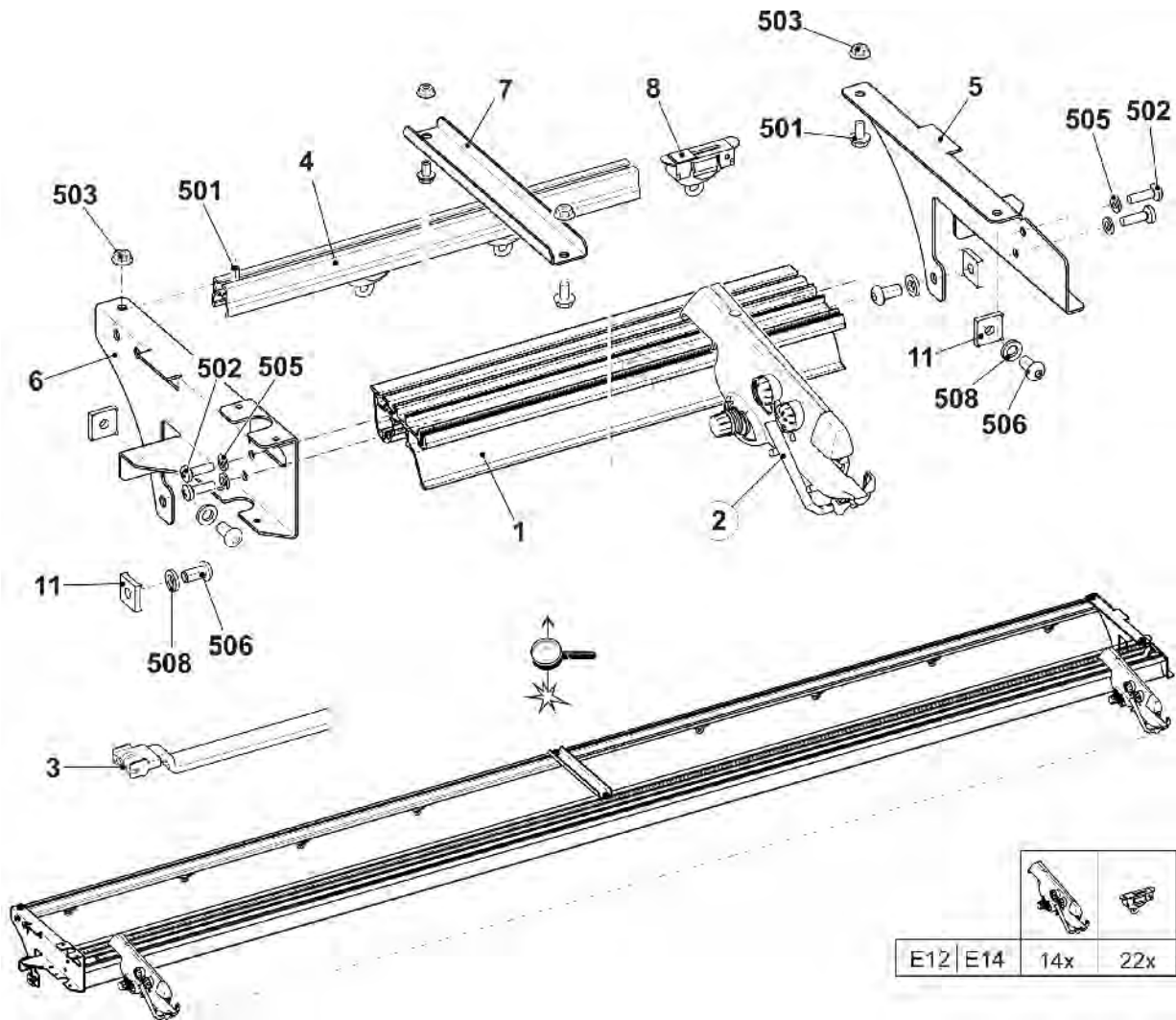


10 Yarn delivery device



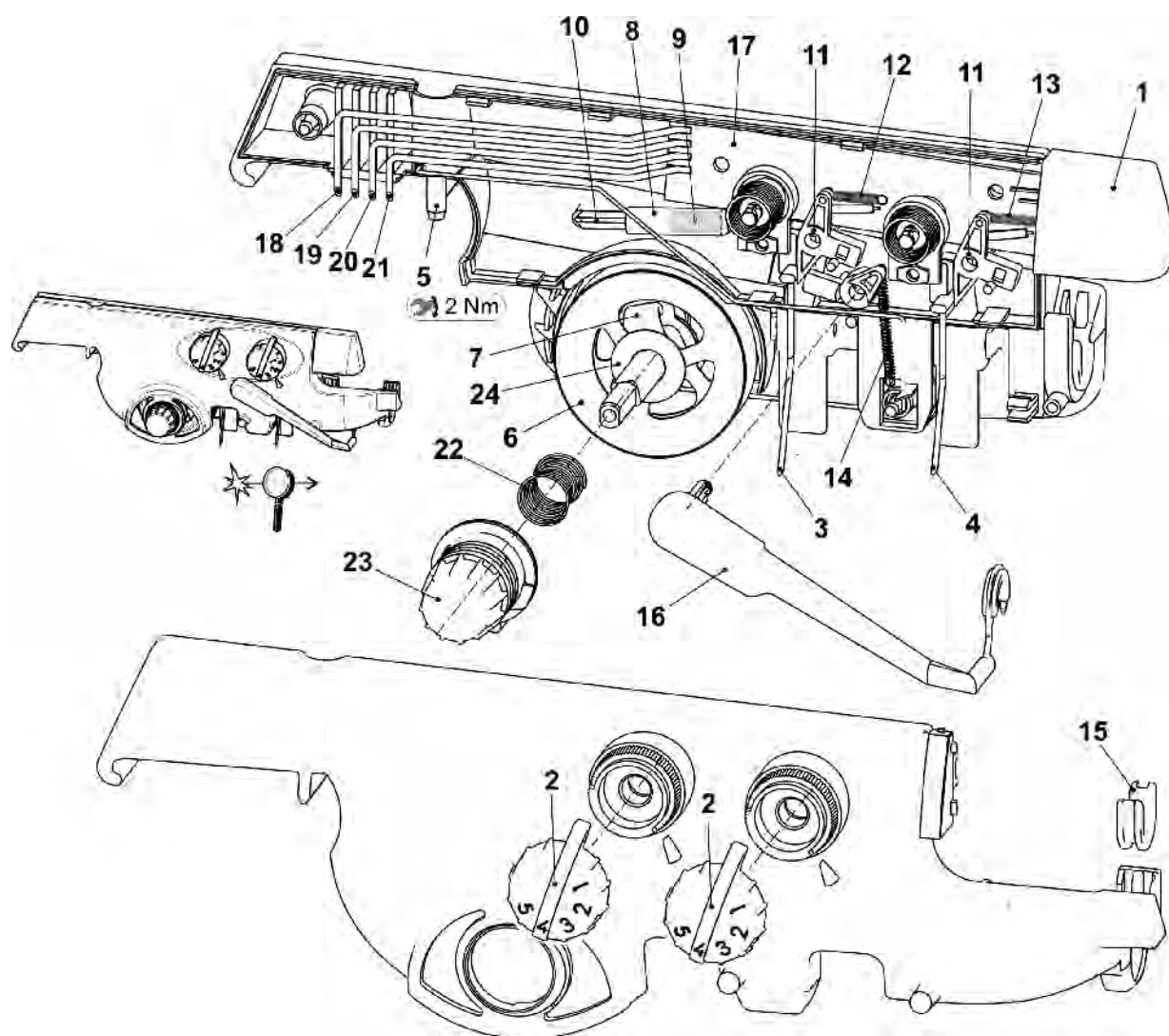
10.1 Yarn guide system with 14 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide device14 FKE 50" (E12 14)	254 060			
1	Support 50"	264 400	11	Slot nut	228 851
2	Yarn control device (FKE)	237 124	501	Self-locking screw M6x12	023 415
3	Connection cable FKE 3 50"	239 710	502	Screw M6x20	023 721
4	Yarn guide bar50"	240 324	503	Serrated nut M6-10	023 414
5	Support on the right	264 569	505	Washer 6-200	022 431
6	Support on the left	264 568	506	Pan-head screw M8x16	023 113
7	Straps	264 555	508	Serrated lock washer	023 388
8	Yarn guide bracket complete	241 581			



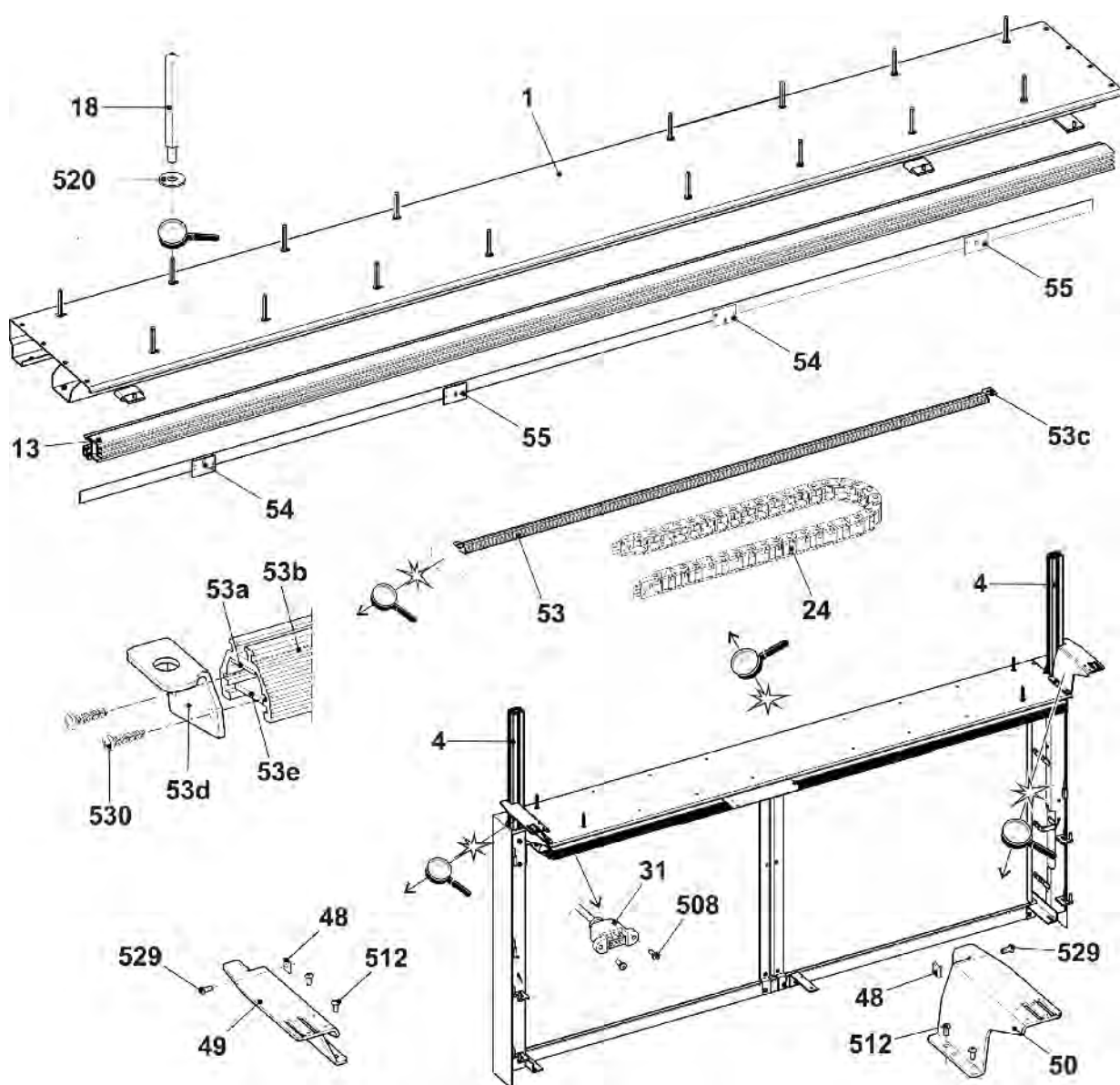
10.2 Yarn control device

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn control device	237 124			
1	Lamp cap	251 166	13	Tension spring	253 040
2	Turning knob	251 167	14	Tension spring	253 041
3	Knot detector for large knots	251 168	15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169	16	Stop bow	253 043
5	Screw	251 170	17	Jack	253 046
6	Yarn brake disk	216 365	18	Contact pin	253 047
7	Yarn holder	244 407	19	Contact pin	253 048
8	Sleeve	253 034	20	Contact pin	253 049
9	Compression spring	253 035	21	Contact pin	253 050
10	Pin	253 036	22	Compression spring	253 055
11	Trip cam	253 037	23	Turning knob	253 056
12	Tension spring	253 038	24	Disk	216 372



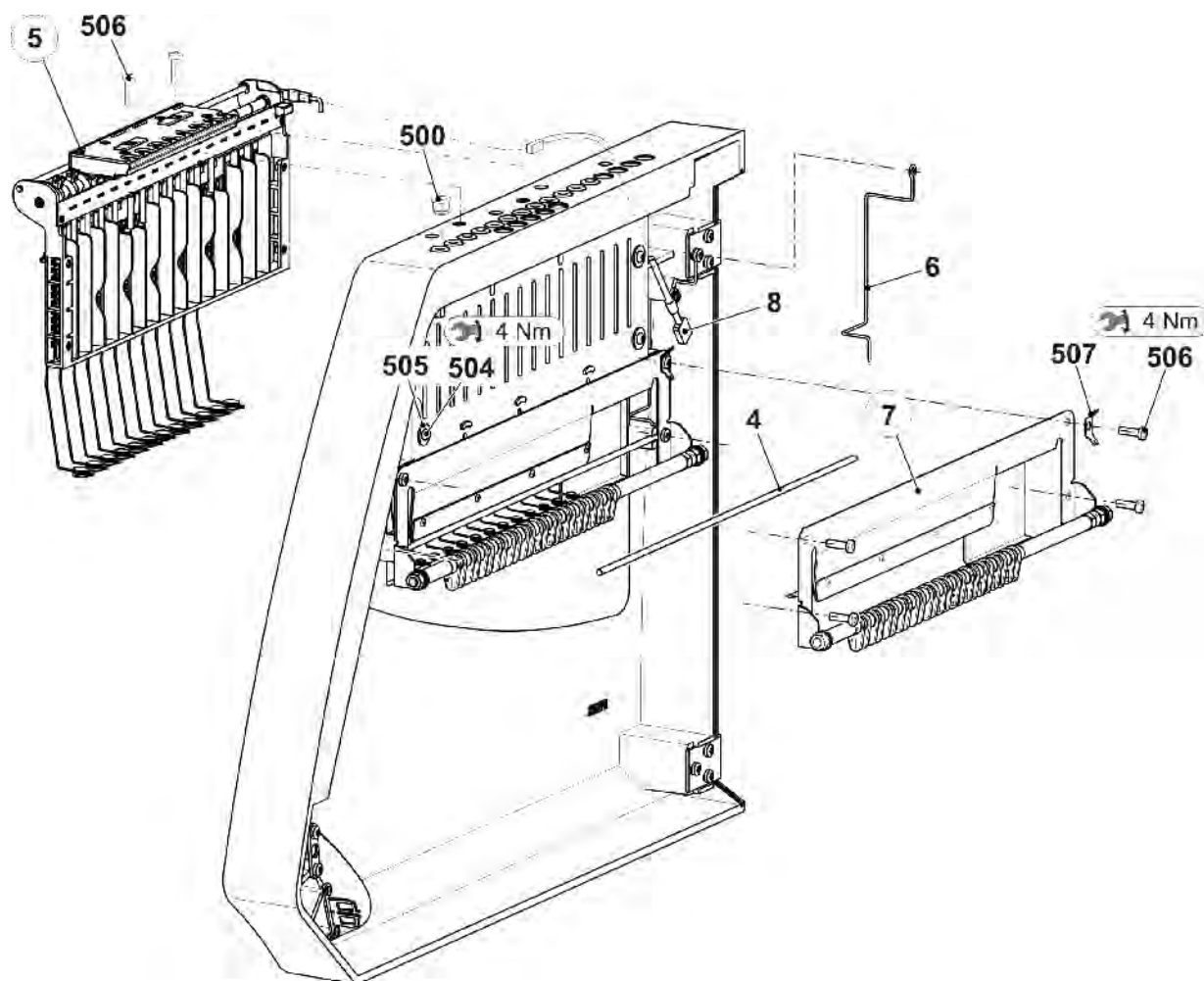
10.3 Bobbin board

Pos	Designation	Id	Pos	Designation	Id
Σ	Table complete 50"	253 873			
1	Table	251 244	53b	Support profile of lamp	263 644
4	Support element	228 594	53c	Support right	264 661
13	Guide rail at the top complete	264 763	53d	Support on the left	264 662
18	Positioning pin	204 819	53e	Cover	263 647
24	Energy chain display 38 links	253 888	530	Sheet metal screw ST2,2x9,5-F	263 824
31	Cable USB extension	240 317	54	Card safety door switch outside	264 696
48	Slot nut	228 851	55	Card safety door switch middle	264 695
49	Support of left feed wheel	264 453	508	Pan-head screw M3x8	023 251
50	Support of right feed wheel	264 454	512	Pan-head screw M8x16	023 113
53	Lamp LED complete	264 759	520	Washer 5	020 901
53a	Card LED-module	263 642	529	Pan-head screw M8x18	251 331



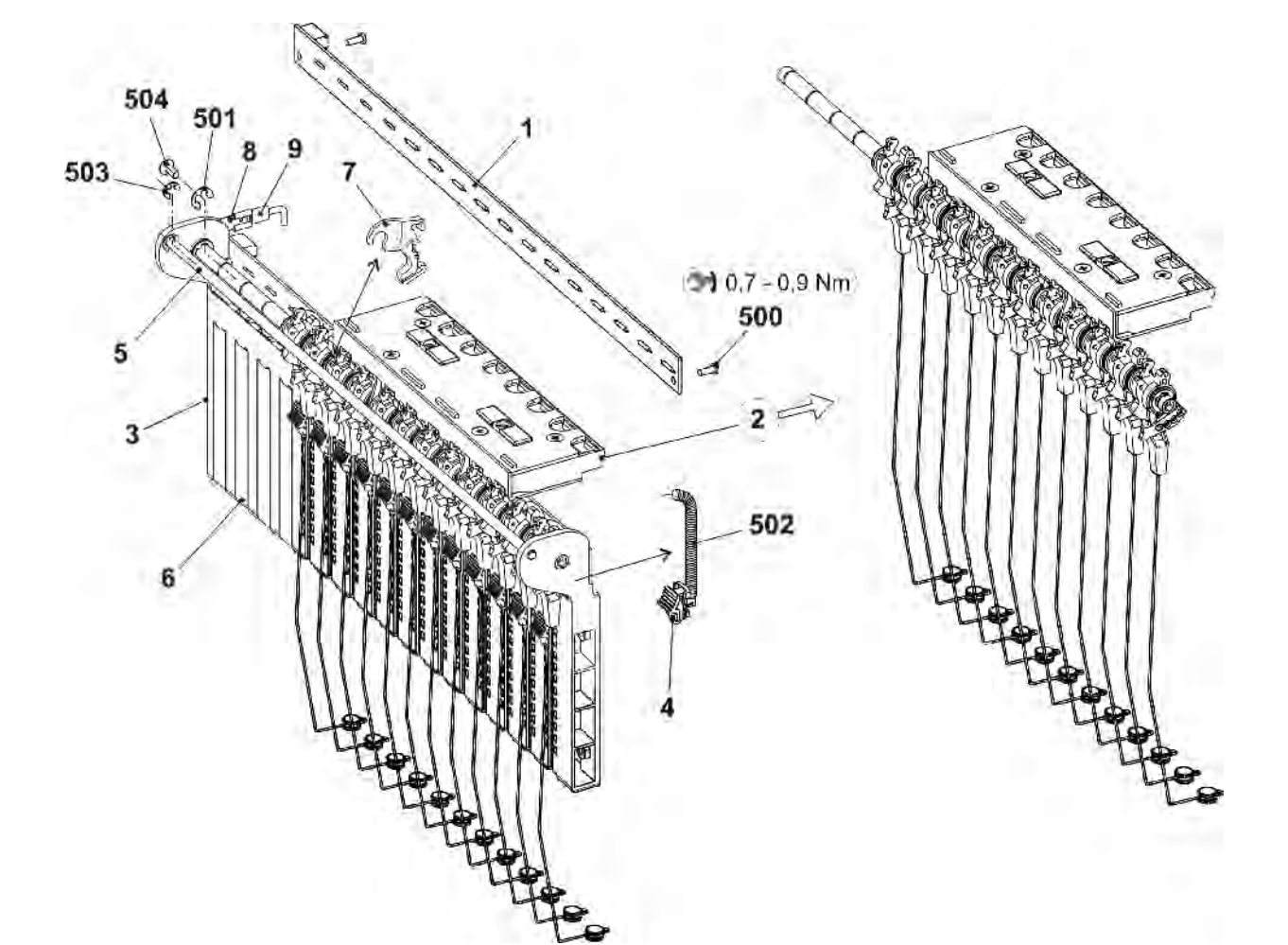
10.4 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete				
	E12 E14	265 330	8	Connection cable yarn tensioner okc	240 808
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the left complete		504	Pan head screw M5x16	265 377
	E12 E14	241 365	505	Washer 5,3x18x1,5	020 909
6	Wire bow on the left	265 052	506	Screw 6x20	265 379
7	Yarn deflector on the left complete	265 285	507	Flat connector 2x45° M6	243 117



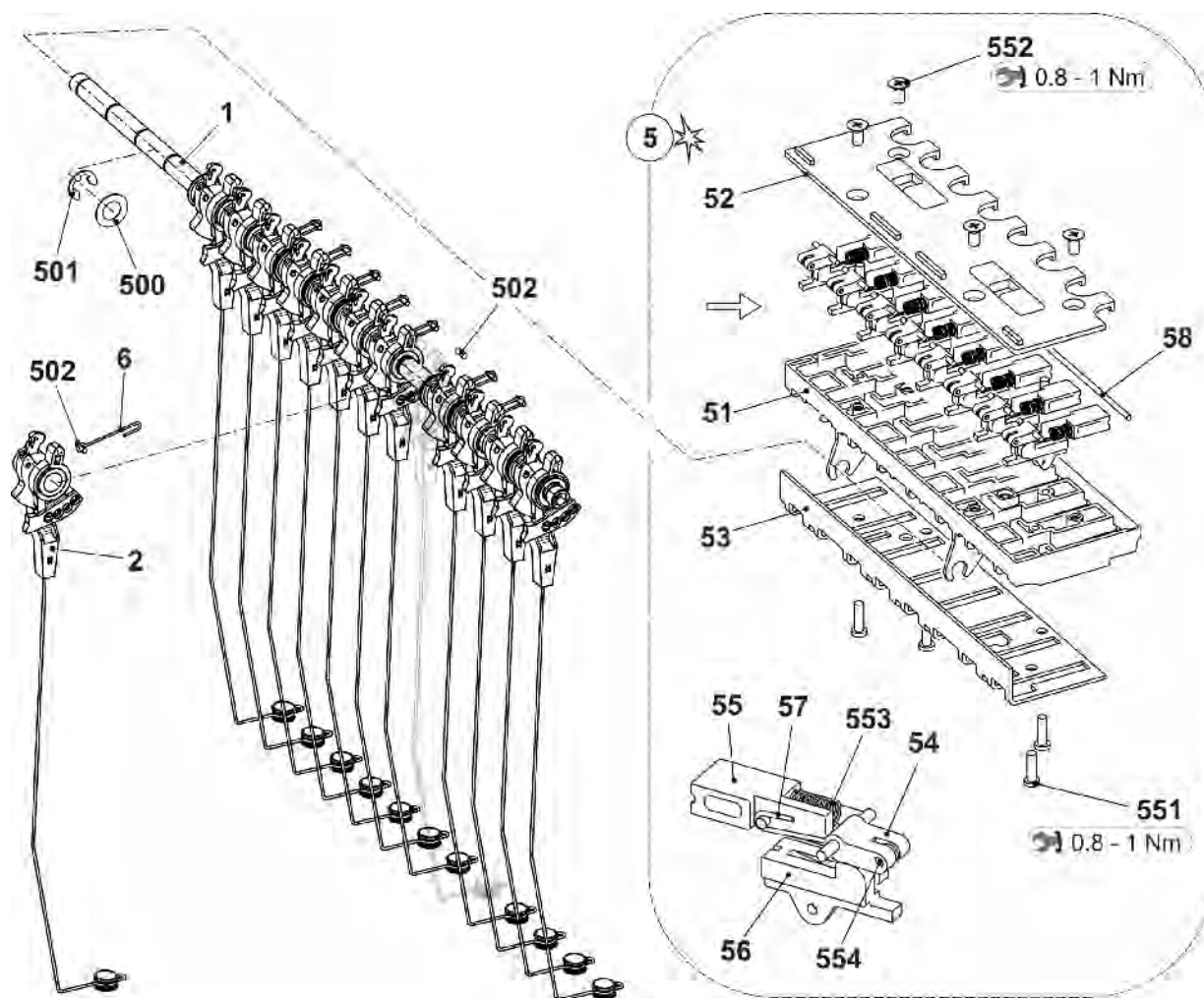
10.4.1 Left yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left complete				
	E10-18	241 365			
1	Card yarn tensioner 16-fold on the left	241 345	8	Grounding plate of tension axle	243 121
2	Tension axle on the left complete E10-18	241 381	9	Ground cable yarn tensioner OKC	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring	023 504
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



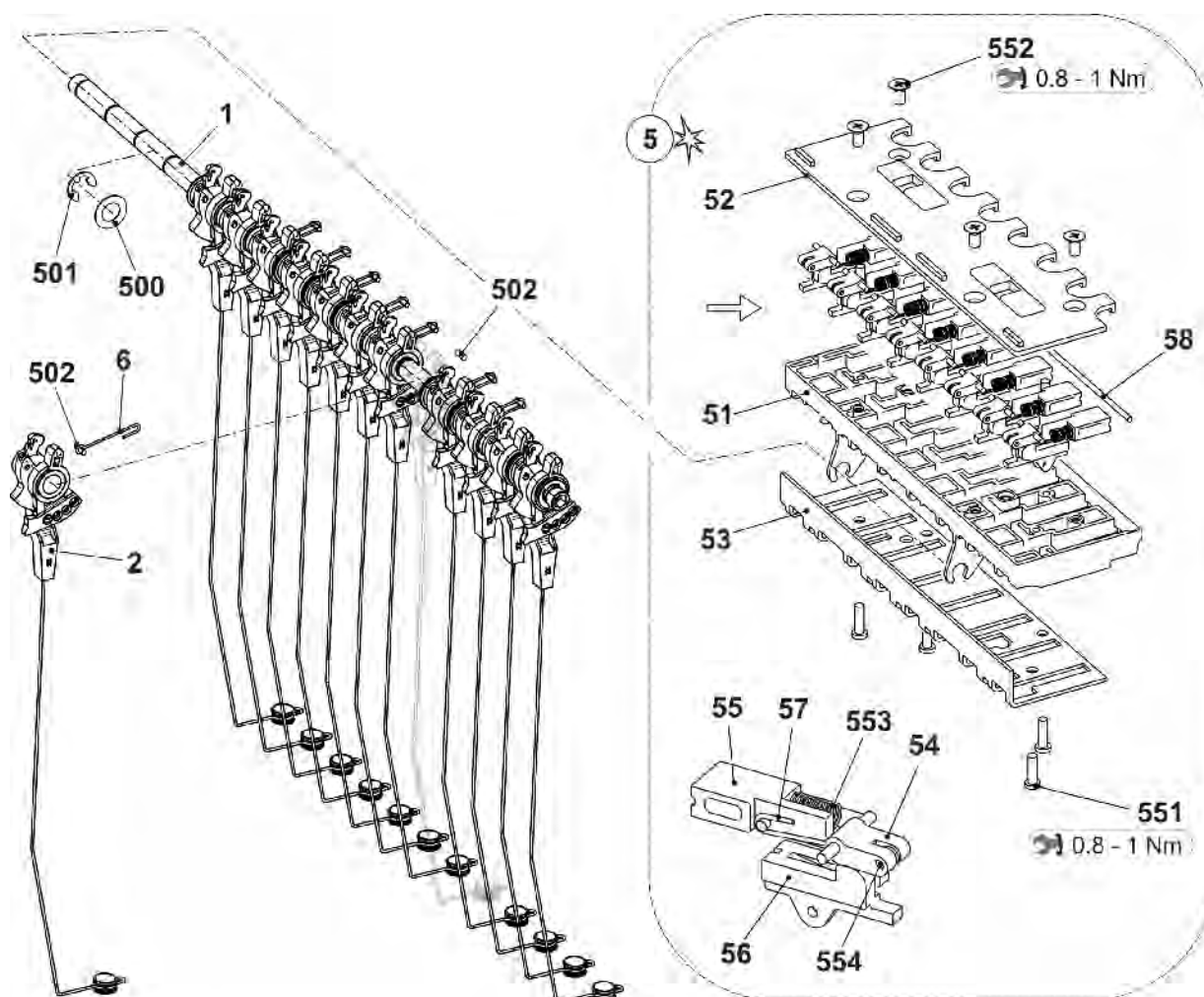
10.4.1.1 Left tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the left complete E10-18	241 381	56	Slider AKF	238 691
1	Axle	243 107	57	Wire bow	238 694
2	Tension arm pre-assembled E10-18	258 459	58	Wire	237 940
6	Wire bow	238 694	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719	500	Shim ring 8x14x0,5	023 501
54	Lever AKF	238 692	501	Circlip	021 022
55	Pressure piece AKF	238 690	502	Grooved pin 2x6	243 172



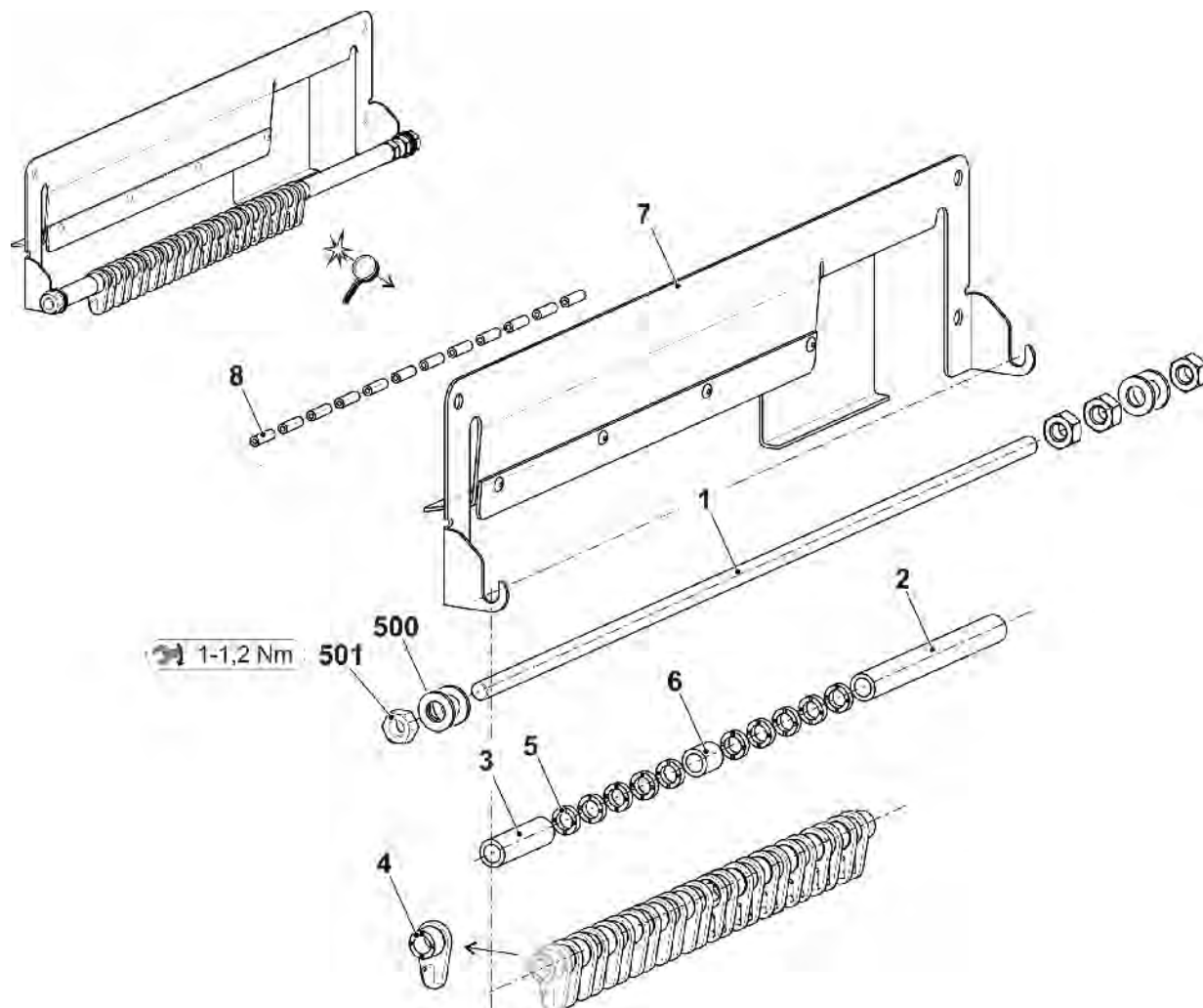
10.4.2 Left tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the left complete E10-18	241 381	56	Slider AKF	238 691
1	Axle	243 107	57	Wire bow	238 694
2	Tension arm pre-assembled E10-18	258 459	58	Wire	237 940
6	Wire bow	238 694	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719	500	Shim ring 8x14x0,5	023 501
54	Lever AKF	238 692	501	Circlip	021 022
55	Pressure piece AKF	238 690	502	Grooved pin 2x6	243 172



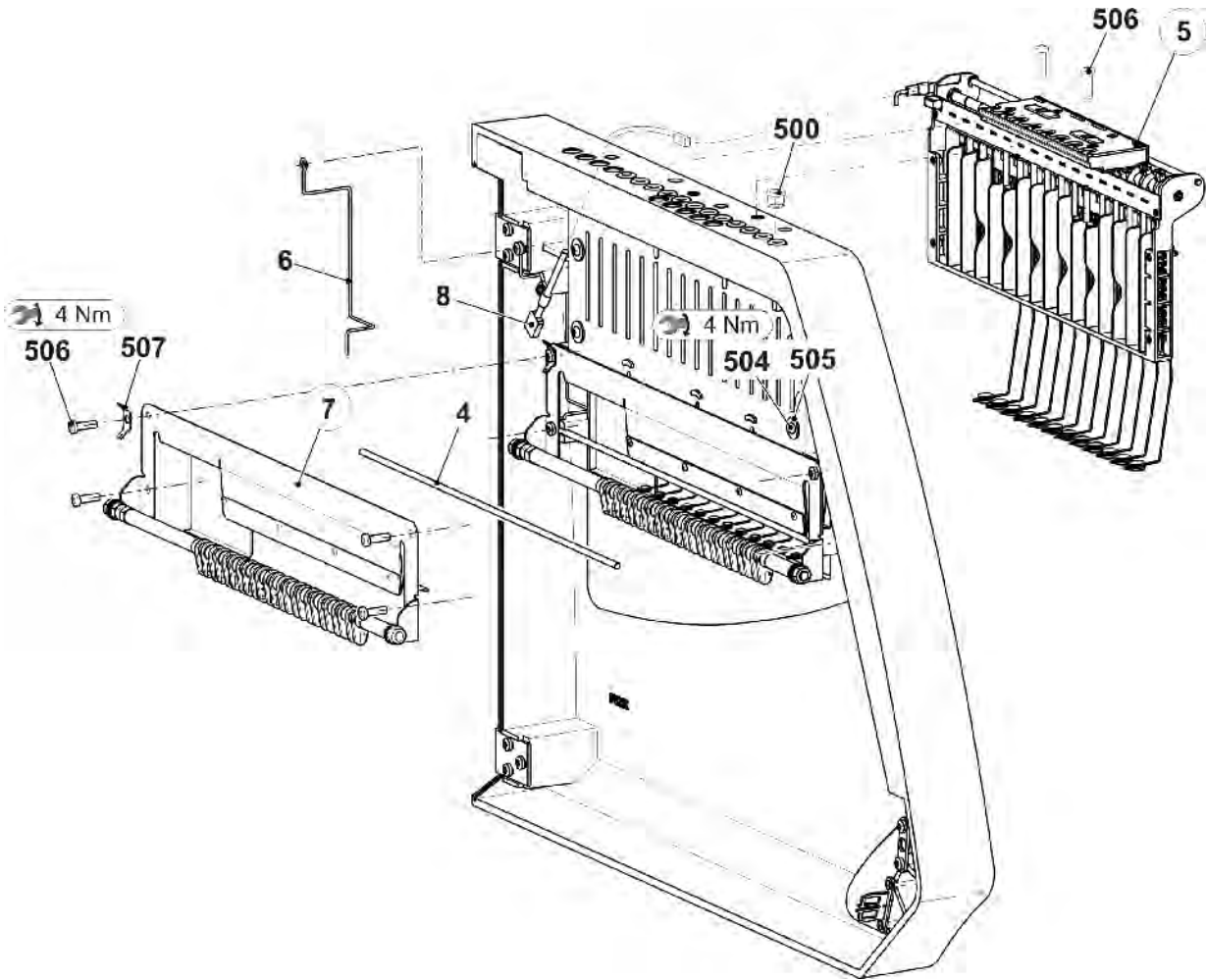
10.4.3 Yarn deflector on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the left complete	265 285	5	Distance bushing	262 445
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 282	7	Stop plate left complete	265 276
3	Threaded spacer	265 283	500	Washer 8	022 854
4	Yarn Carriers MH10	262 391	501	Hexagon nut M8-6	261 011



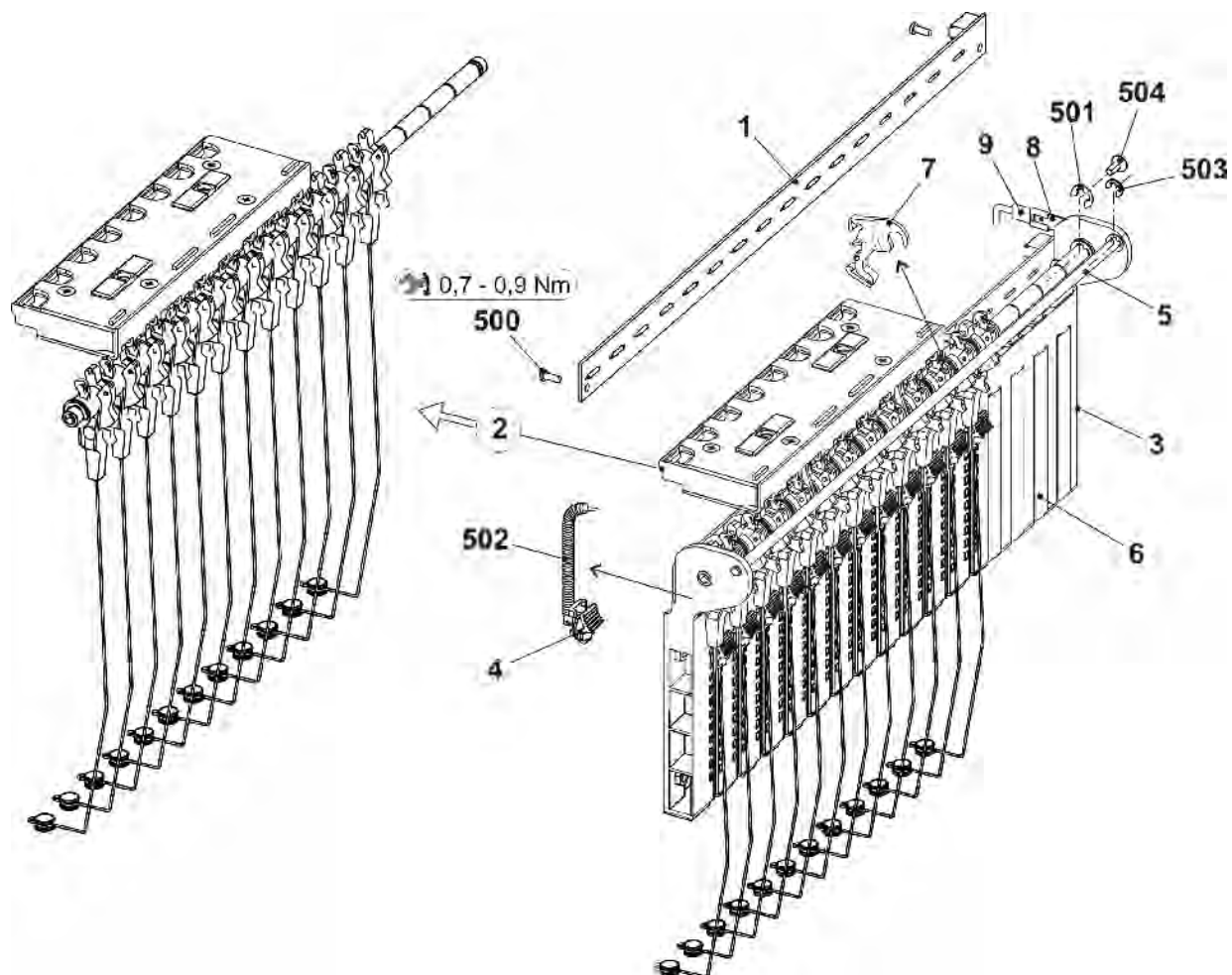
10.5 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete				
	E12 E14	265 333	8	Connection cable yarn tensioner okc	240 808
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the right complete		504	Pan head screw M5x16	265 377
	E12 E14	241 384	505	Washer 5,3x18x1,5	020 909
6	Wire bow on the right	265 053	506	Screw 6x20	265 379
7	Yarn deflector on the right complete	265 356	507	Flat connector 2x45° M6	243 117

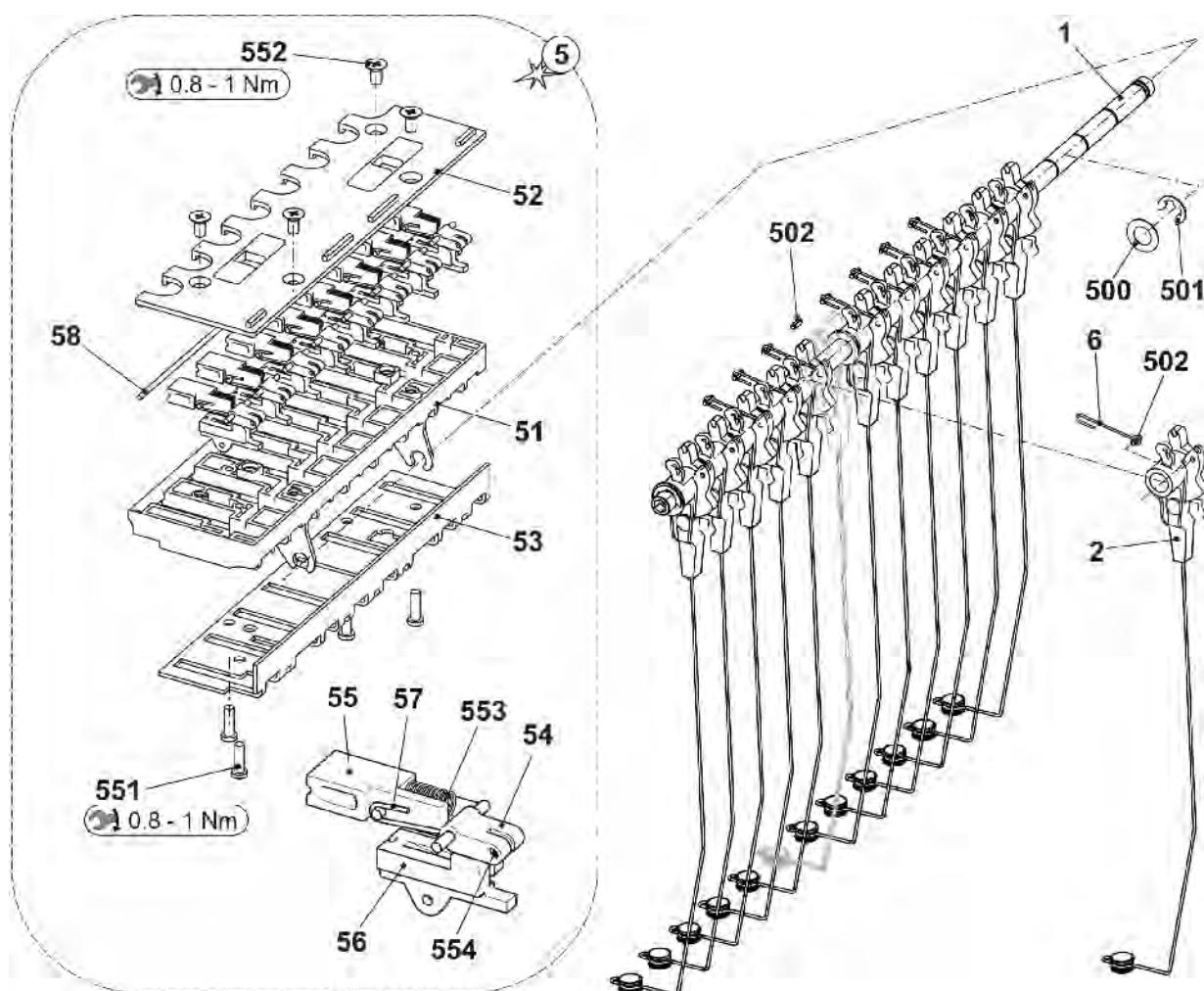


10.5.1 Right yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right complete				
	E10-18	241 384	8	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346	9	Ground cable yarn tensioner OKC	243 105
2	Tension axle on the right completeE10-18	241 380	500	Screw KB 30x8	236 228
3	Housing	241 367	501	Circlip	021 022
4	Slider	241 694	502	Tension spring	023 504
5	Stop point	241 368	503	Circlip	021 020
6	Border	242 268	504	Countersunk screw M4x10	241 914
7	Spacer	242 048			

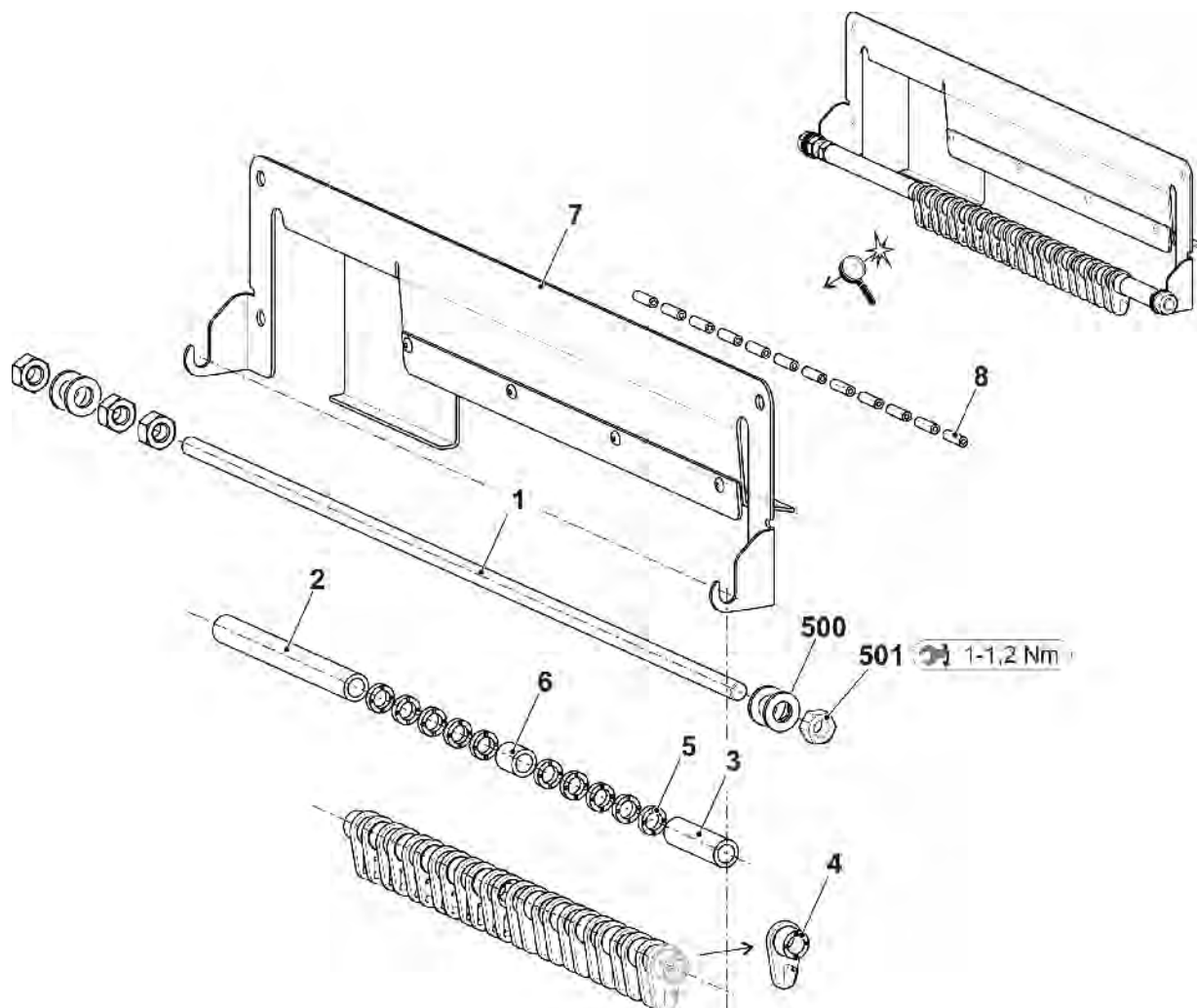


Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the right complete E10-18	241 380		56 Slider AKF	238 691
1	Axle	243 107		57 Wire bow	238 694
2	Tension arm pre-assembledE10-18	258 459		58 Wire	237 940
6	Wire bow	238 694		551 Screw KB 35x12	237 681
5	Thread clamp AKF	238 695		552 Screw KB 40x8	236 227
51	Housing AKF	238 689		553 Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926		554 Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719	500	Shim ring 8x14x0,5	023 501
54	Lever AKF	238 692	501	Circlip	021 022
55	Pressure piece AKF	238 690	502	Grooved pin 2x6	243 172



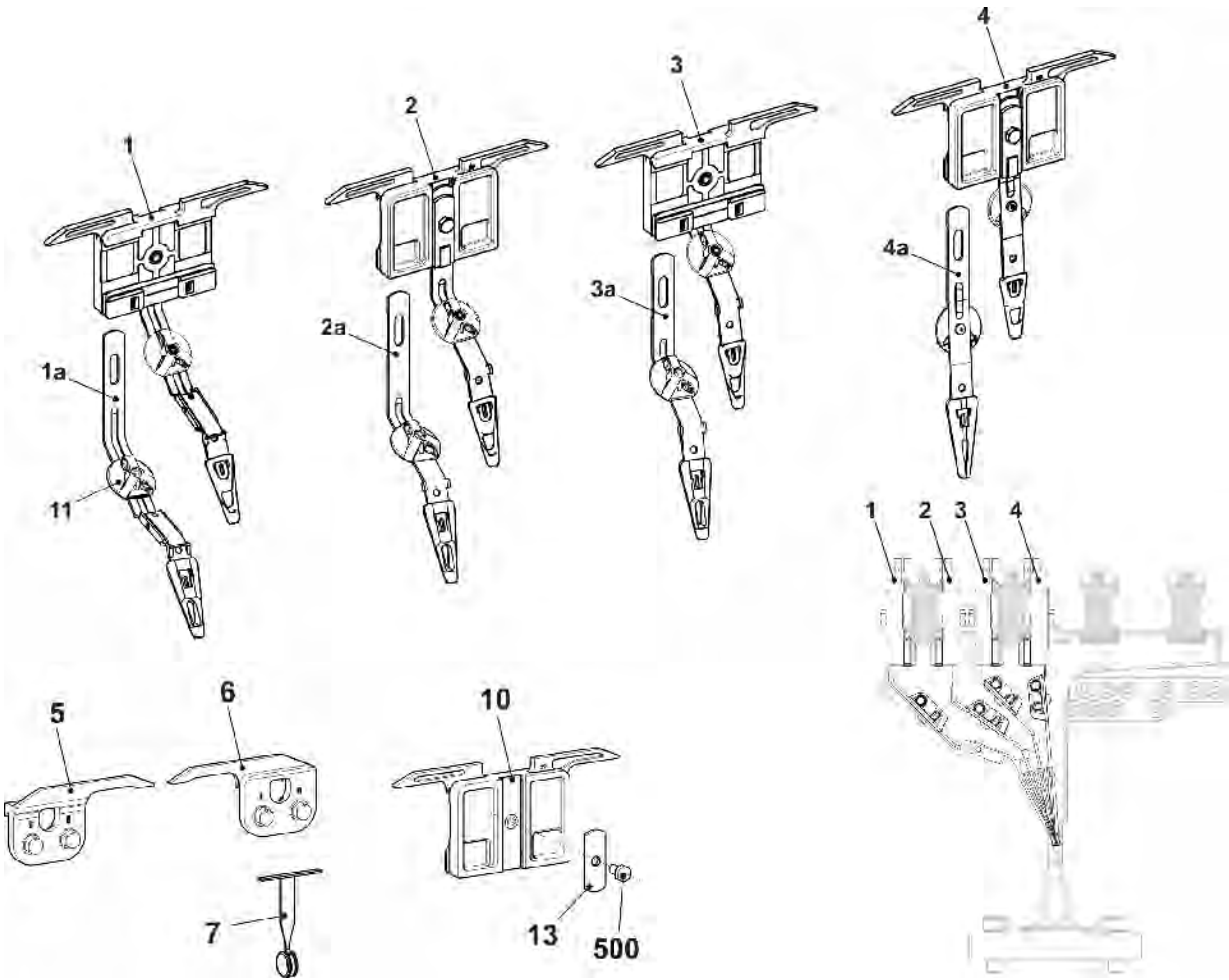
10.5.2 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	265 356			
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 282	7	Stop plate right complete	265 277
3	Threaded spacer	265 283	8	Stop sleeve	266 433
4	Yarn Carriers MH10	262 391	500	Washer 8	022 854
5	Distance bushing	262 445	501	Hexagon nut M8-6	261 011



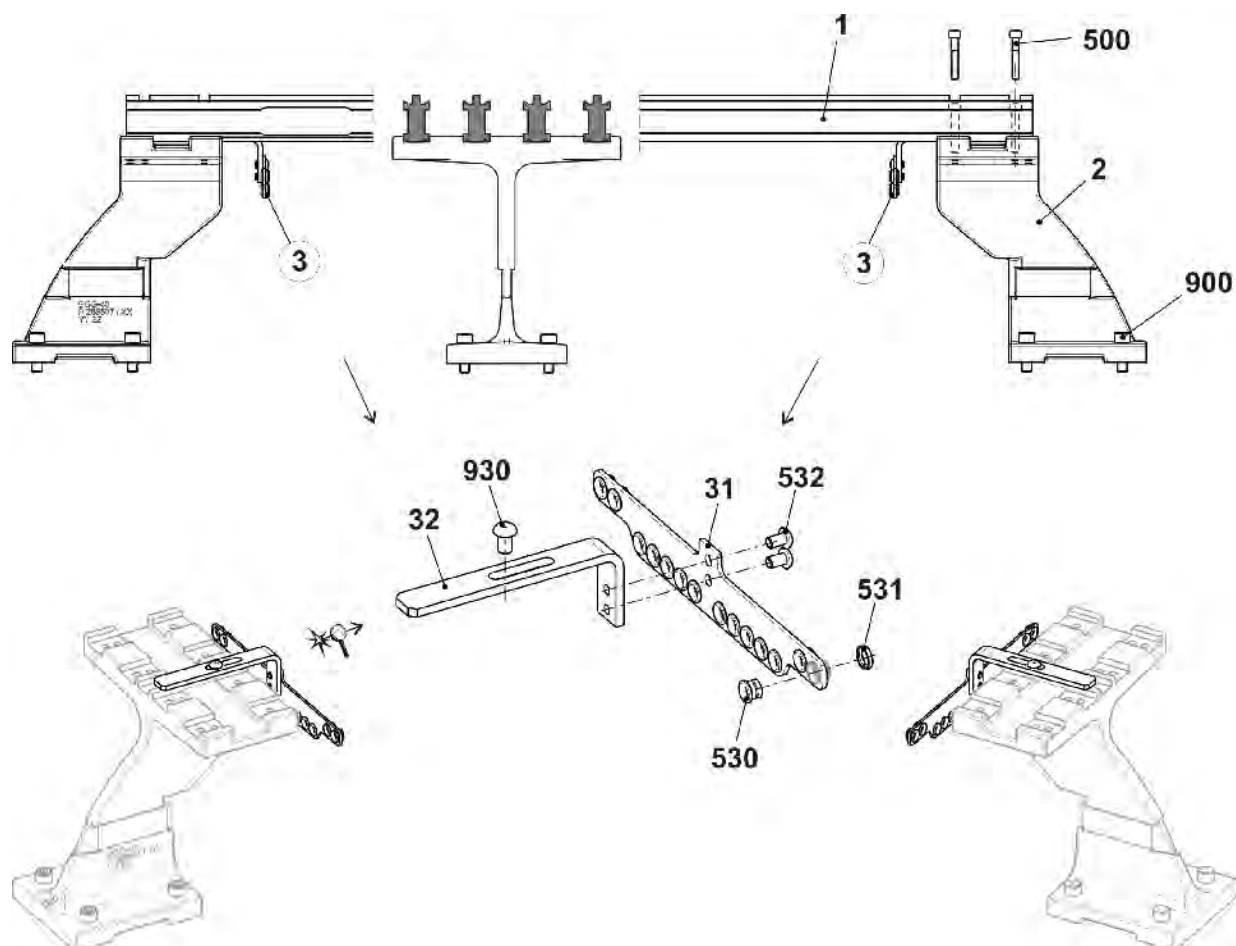
10.6 Yarn guide complete

Pos	Designation	Track	ID	Pos	Designation	ID
Σ	Yarn guide complete					
	E12 E14		244 009			
1	FF carriage complete E10-14	1+8	243 943	1a	FF bow 1+8 complete E10-14	212 994
2	FF carriage complete E10-14	2+7	243 942	2a	FF bow 2+7 complete E10-14	212 996
3	FF carriage complete E10-14	3+6	243 941	3a	FF bow 3+6 complete E10-14	212 995
4	FF carriage complete E10-14	4+5	243 940	4a	FF bow 4+5 complete E10-14	212 997
5	Limiter on the left complete		244 099	11	Yarn guide star complete	209 257
6	Limiter on the right complete		244 098	13	Shim	213 035
7	Slider with eyelet		230 709	500	Hexagon screw M5x10	020 351
10	FF carriage complete		243 062			



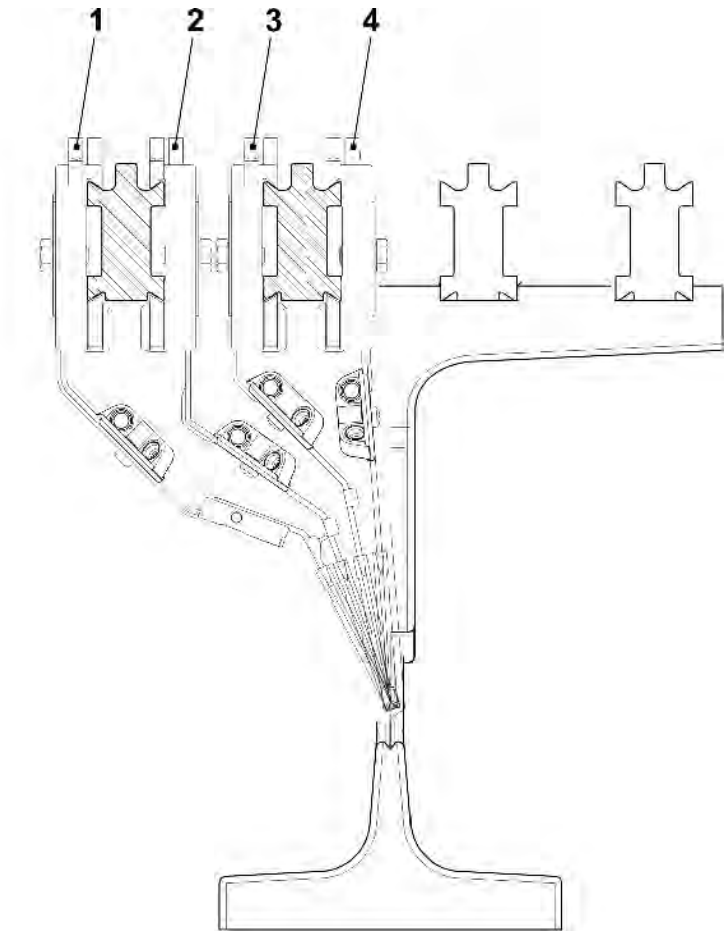
10.7 Bar unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Bar unit	250 971			
1	Yarn carrier rail	255 464	530	Eyelet 4,2	021 502
2	FF support	252 010	531	Clamping ring	259 606
3	Yarn guide bracket complete	265 433	532	Pan-head screw M5x8	239 408
31	Eyelet holder complete	265 434	930	Pan-head screw M6x10	023 183
32	Holding angle	259 574	500	Cap screw M6x35	020 139
			900	Cap screw M8x25	020 142



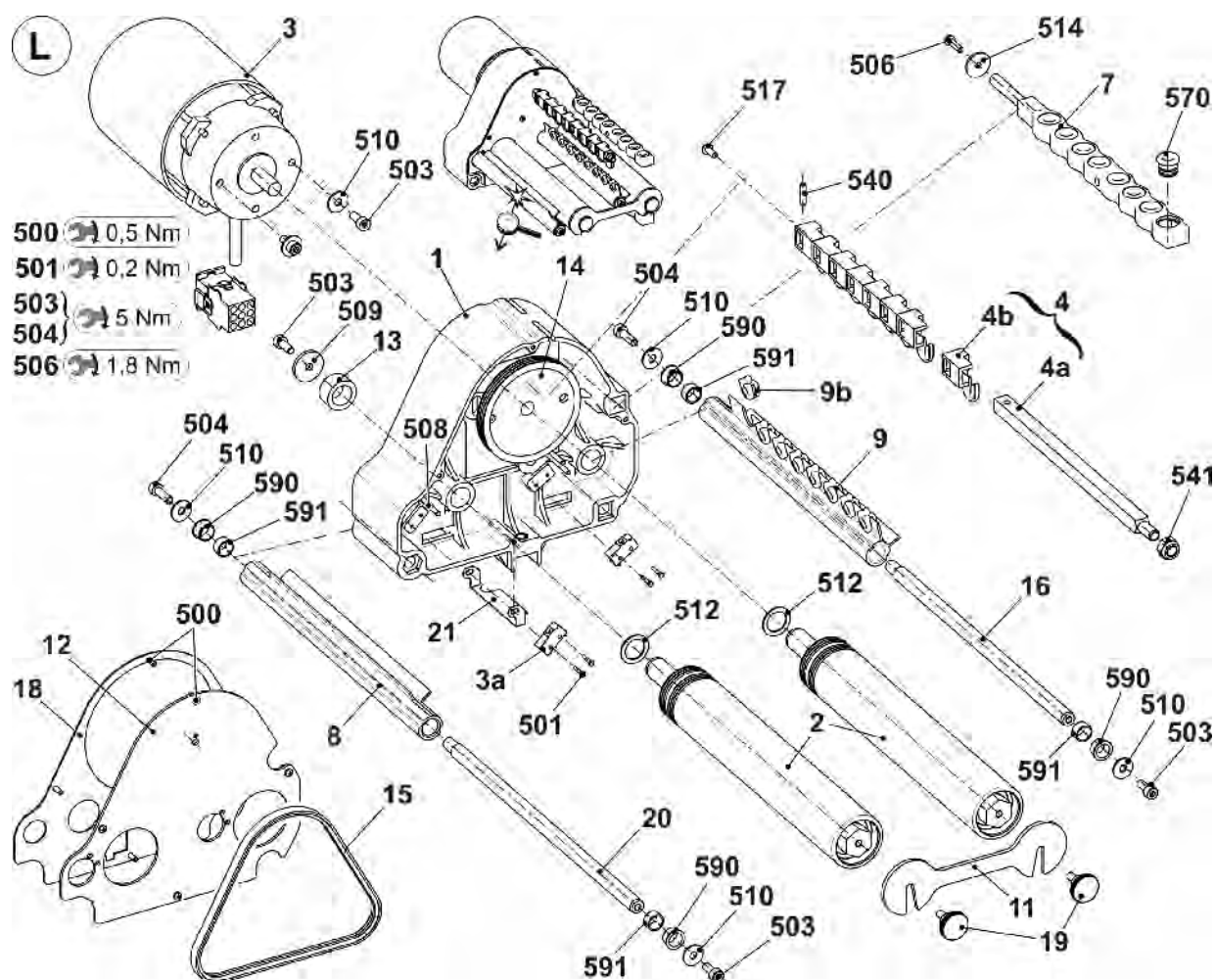
10.8 Complete yarn carriers

Pos	Designation	Track	ID	Pos	Designation	Track	ID
1	FF carriage complete E10-14	1+8	243 943	3	FF carriage complete E10-14	3+6	243 941
2	FF carriage complete E10-14	2+7	243 942	4	FF carriage complete E10-14	4+5	243 940



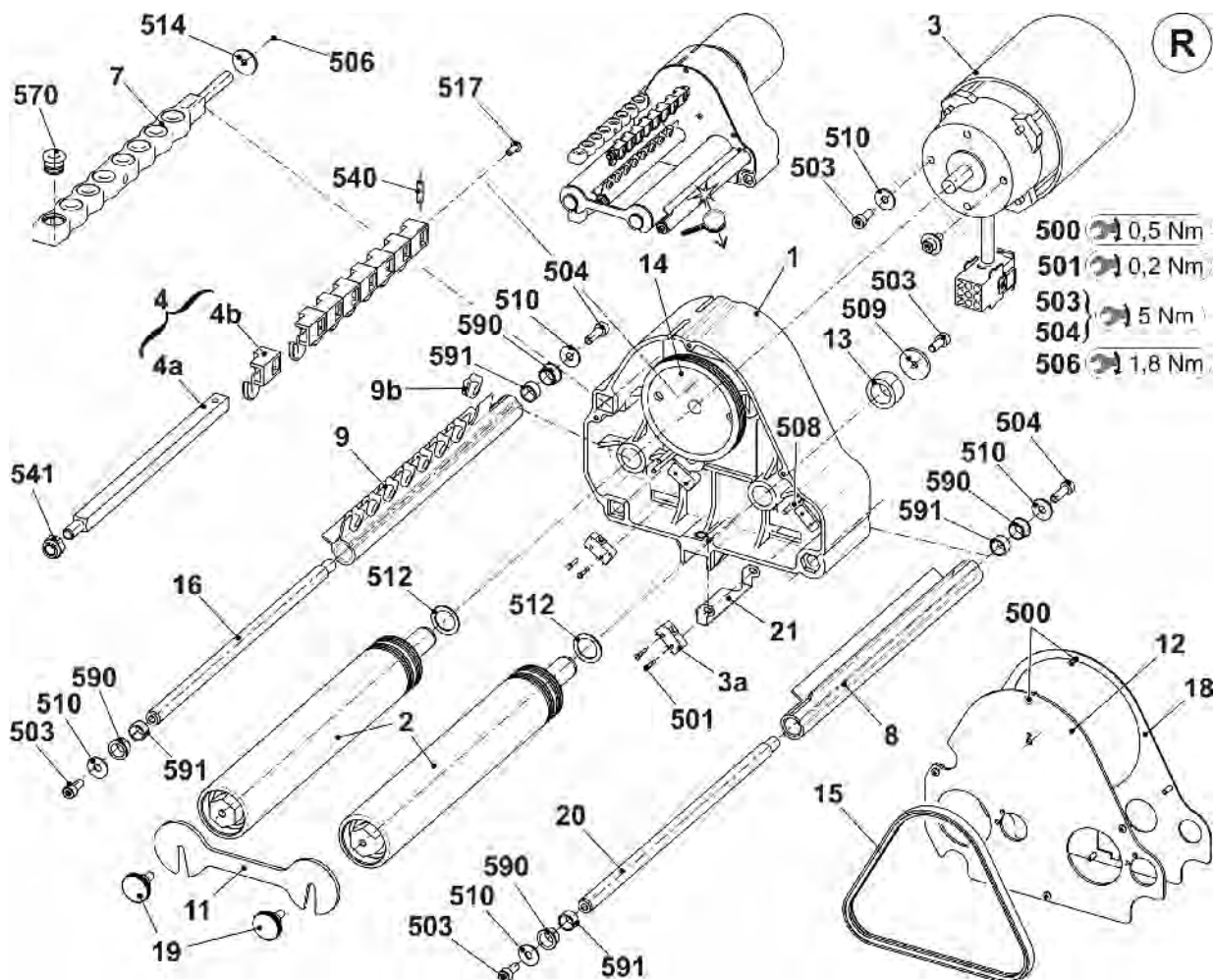
10.9 Left friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the left	264 324	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5x16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the left complete with eyelets	230 683	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579



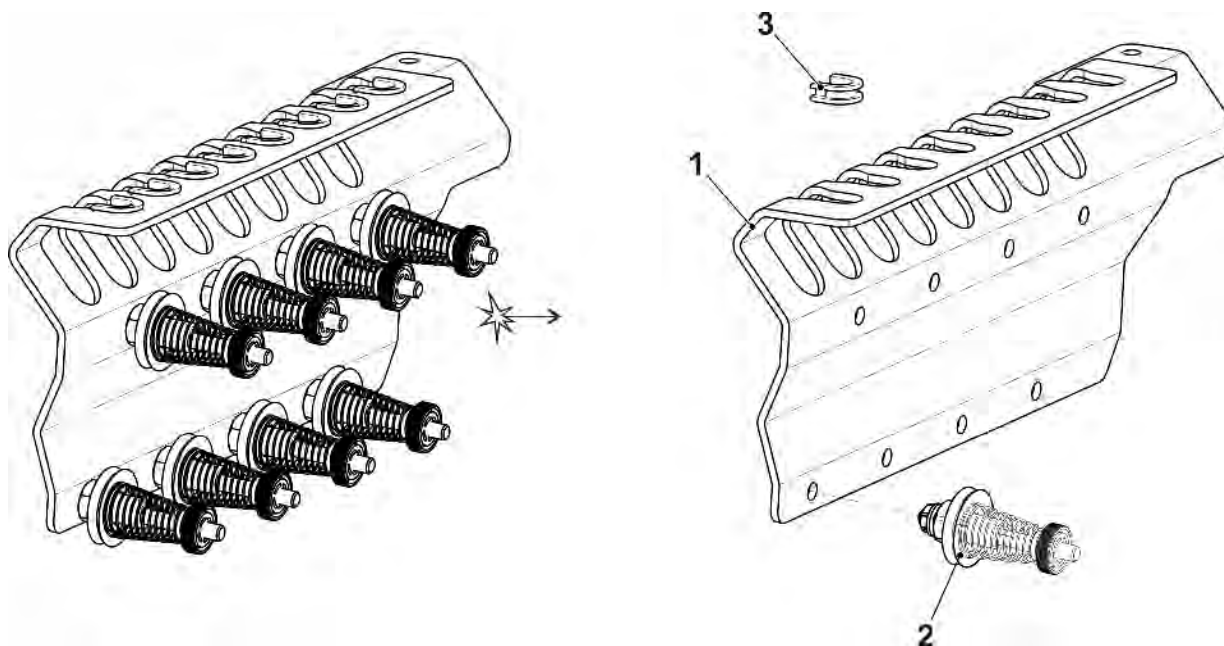
10.10 Right friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the right	264 325	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5x16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the right complete with eyelets	230 682	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579



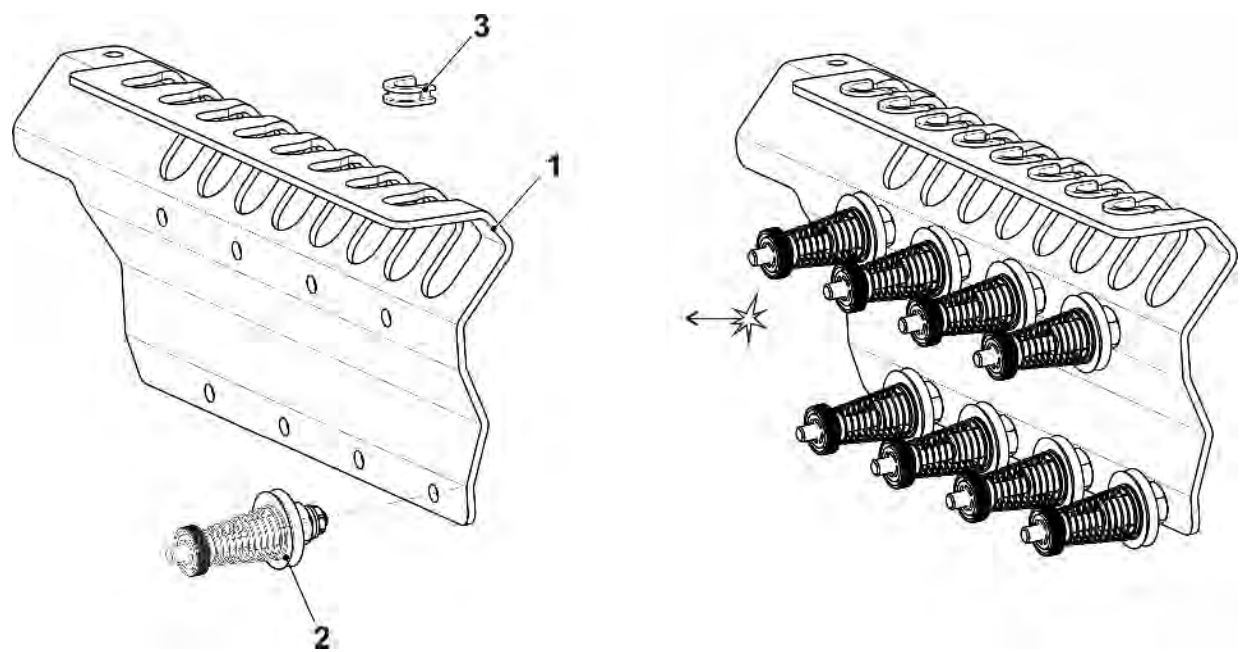
10.11 Stopping device on the left E10-14

Pos	Designation	Id	Pos	Designation	Id
Σ	Stopping device on the left E10-18	265 289	2	Yarn brakeE10-18	259 440
1	Stopping device on the left E10-18	265 287	500	Ceramic eyelet open	240 733

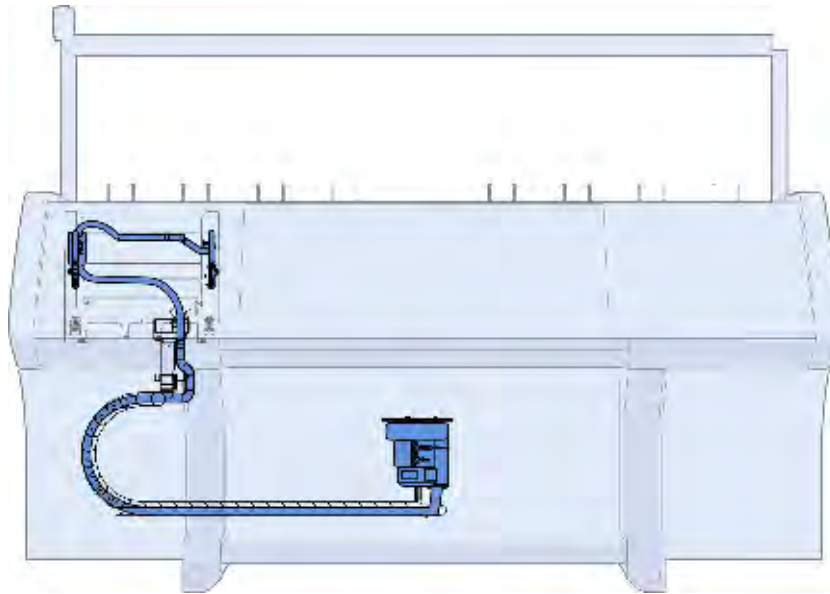


10.12 Stopping device on the right E10-14

Pos	Designation	Id	Pos	Designation	Id
Σ	Stopping device on the right E10-18	265 288	2	Yarn brakeE10-18	259 440
1	Stopping device on the right E10-18	265 286	500	Ceramic eyelet open	240 733

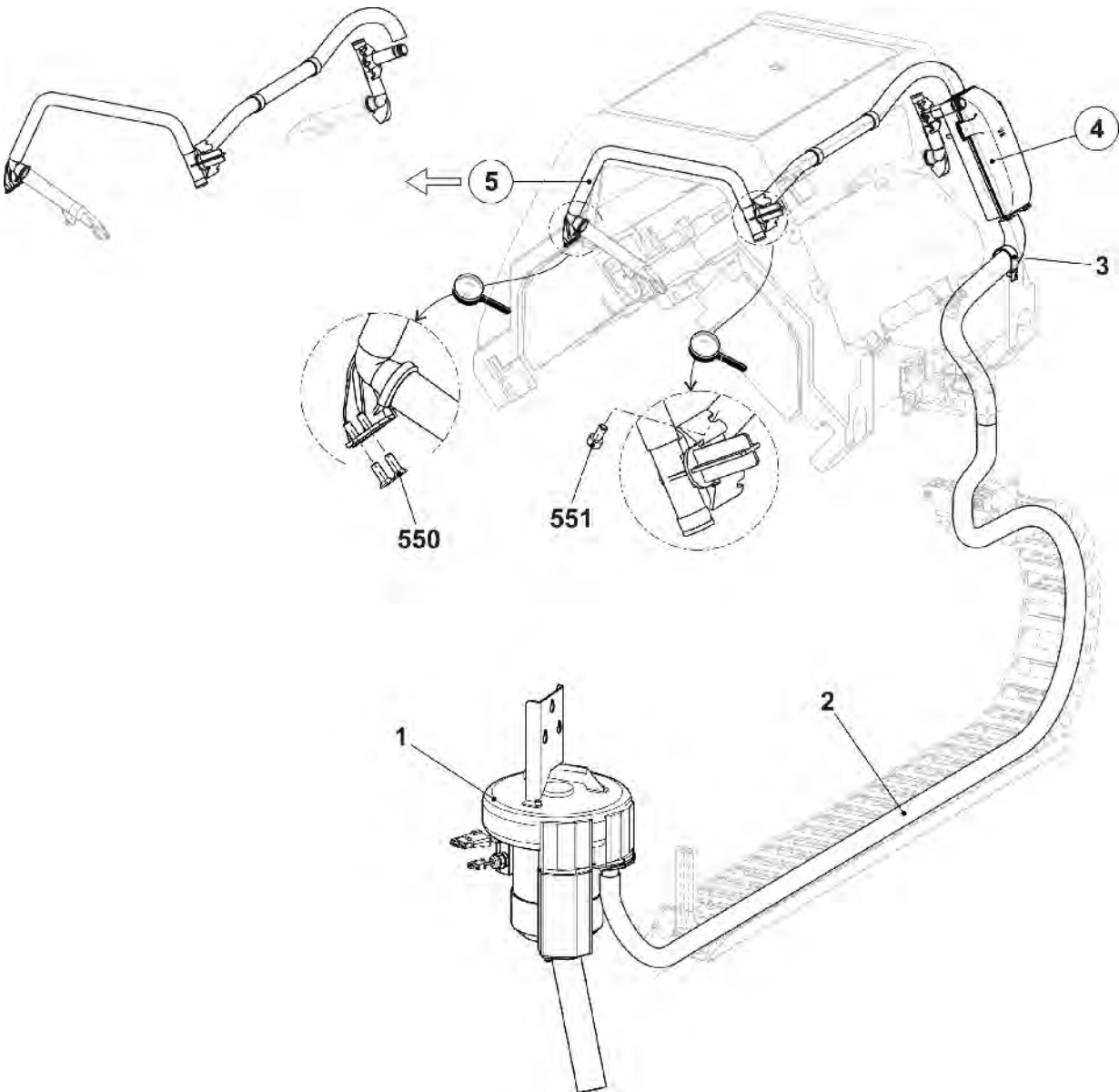


11 Fluff absorption



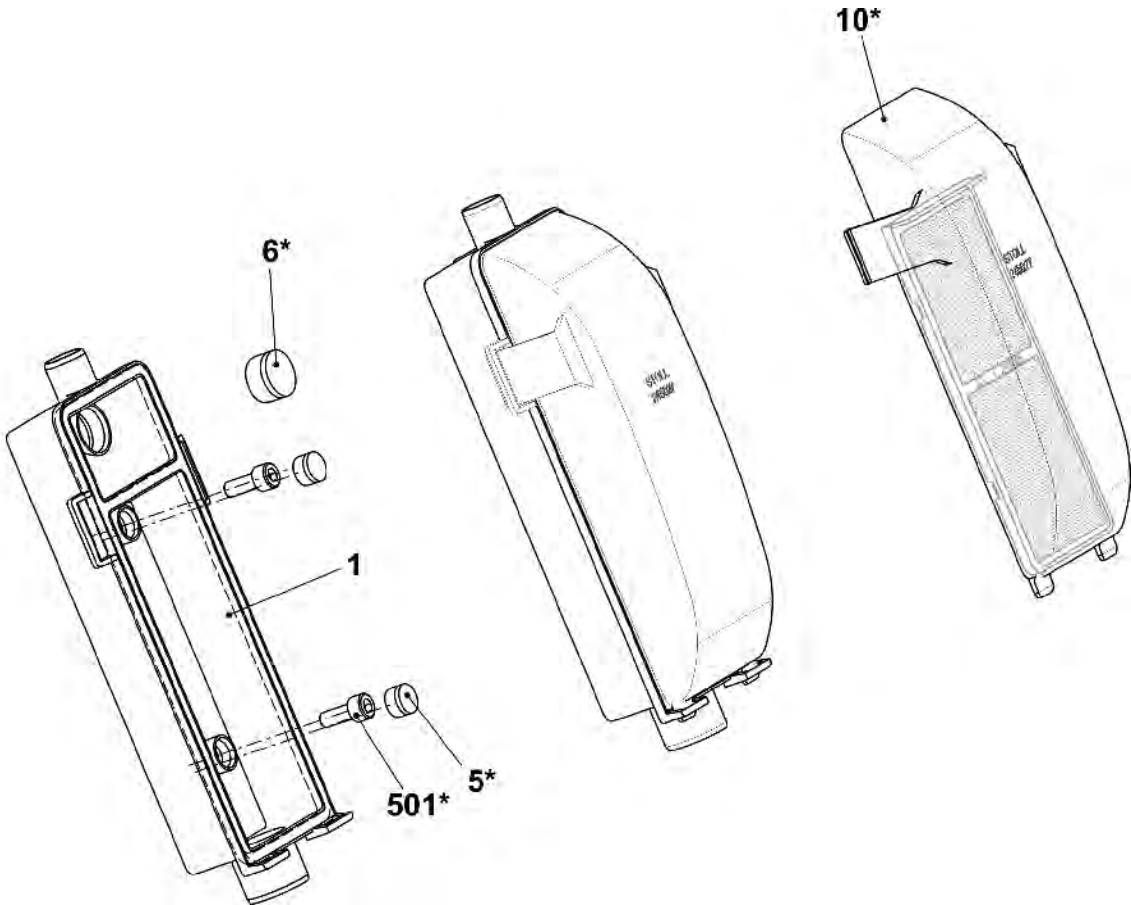
11.1 Fluff absorption

Pos	Designation	ID	Pos	Designation	ID
Σ	Fluff absorption		4	Lint container	245 024
1	Suction fan complete	259 004	5	Set of hose complete	251 342
2	Suction hose 29x25x2800	252 627	550	Countersunk head screw M4x12	023 062
3	Hose clip	214 653	551	Cap screw M4x8	022 501



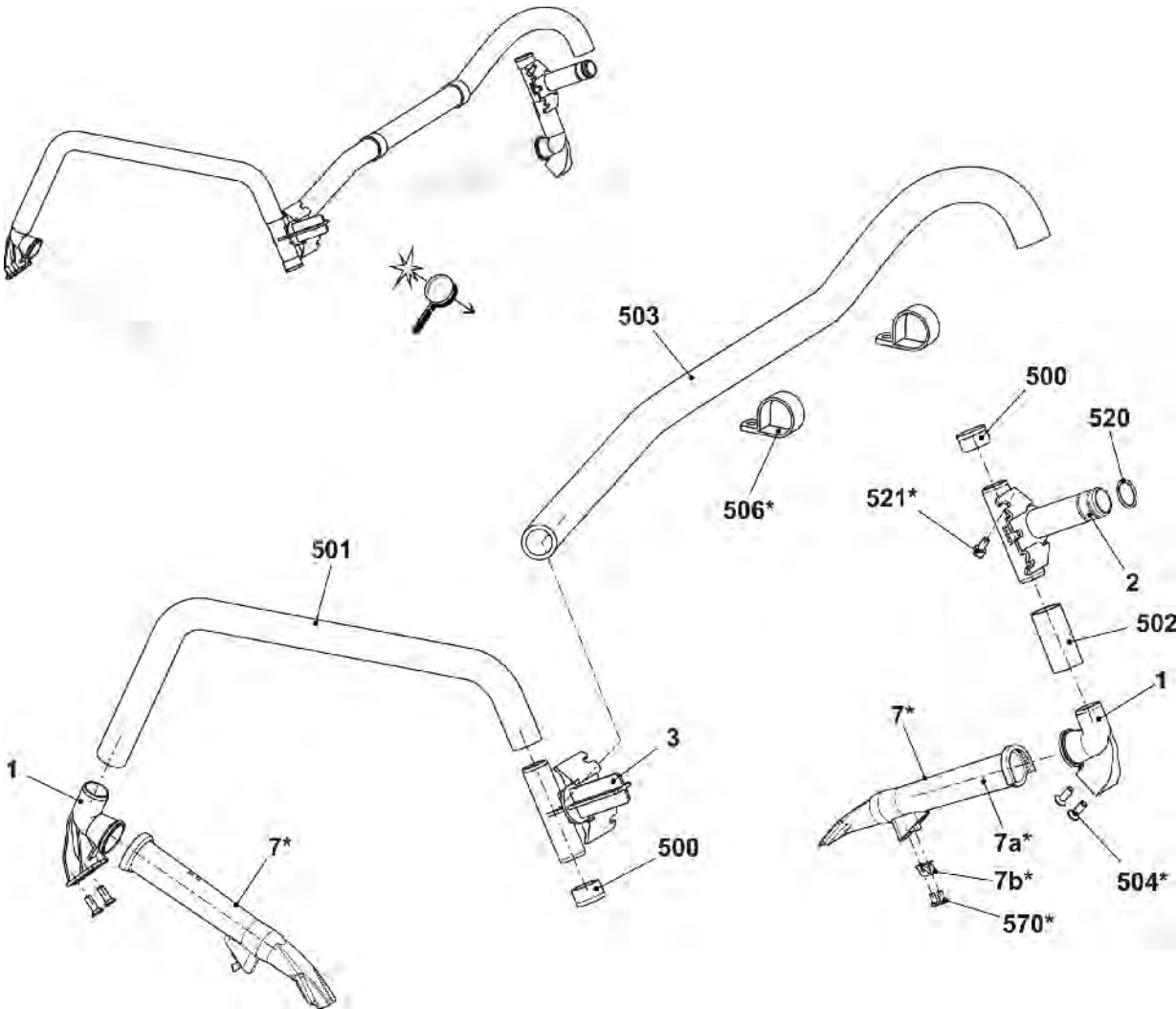
11.1.1 Lint container

Pos	Designation	Id	Pos	Designation	Id
Σ	Lint container		6*	Sealing plug	245 029
1	Lint container	245 024	10*	Cover with filter	251 335
5*	Sealing plug	245 028	501*	Cap screwM6x10	023 690

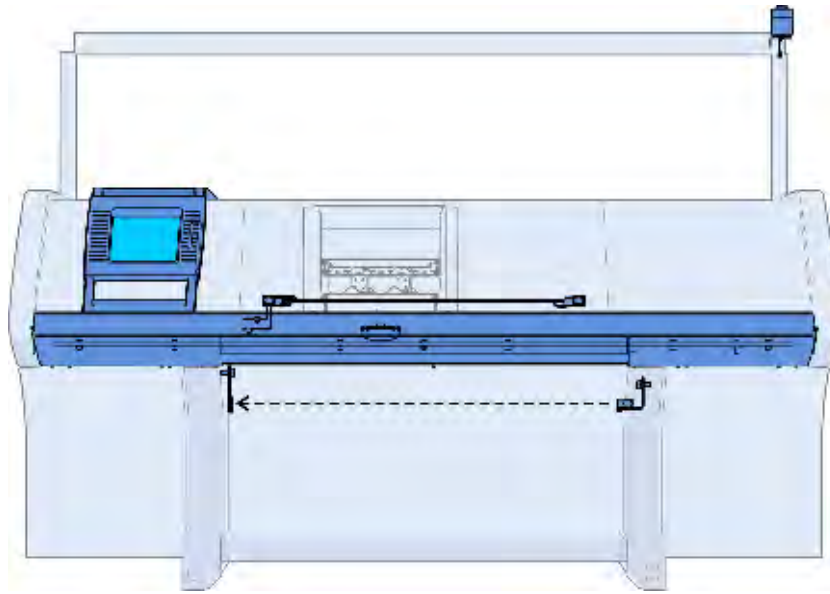


11.1.2 Set of hose

Pos	Designation	ID	Pos	Designation	ID
Σ	Set of hose complete 530T/730T	251 342		7b* Bracket	255 628
1	Angle connection on the right	250 121		570* Screw KB30x6	241 424
2	T-piece FLENT	245 021	500	Sealing plug	245 029
	520 O-ring 15x1,5	250 054	501	Suction hose 20x16x400	244 983
	521* Cap screw M4x8	022 501	502	Suction hose 20x16x40	251 043
3	Connection piece FLENT	245 022	503	Suction hose 20x16x570	251 044
7*	Suction tube complete 530T/730T	251 314	504*	Countersunk head screw M4x12	023 062
	7a* Suction tube	255 606	506*	Cable clip	250 051

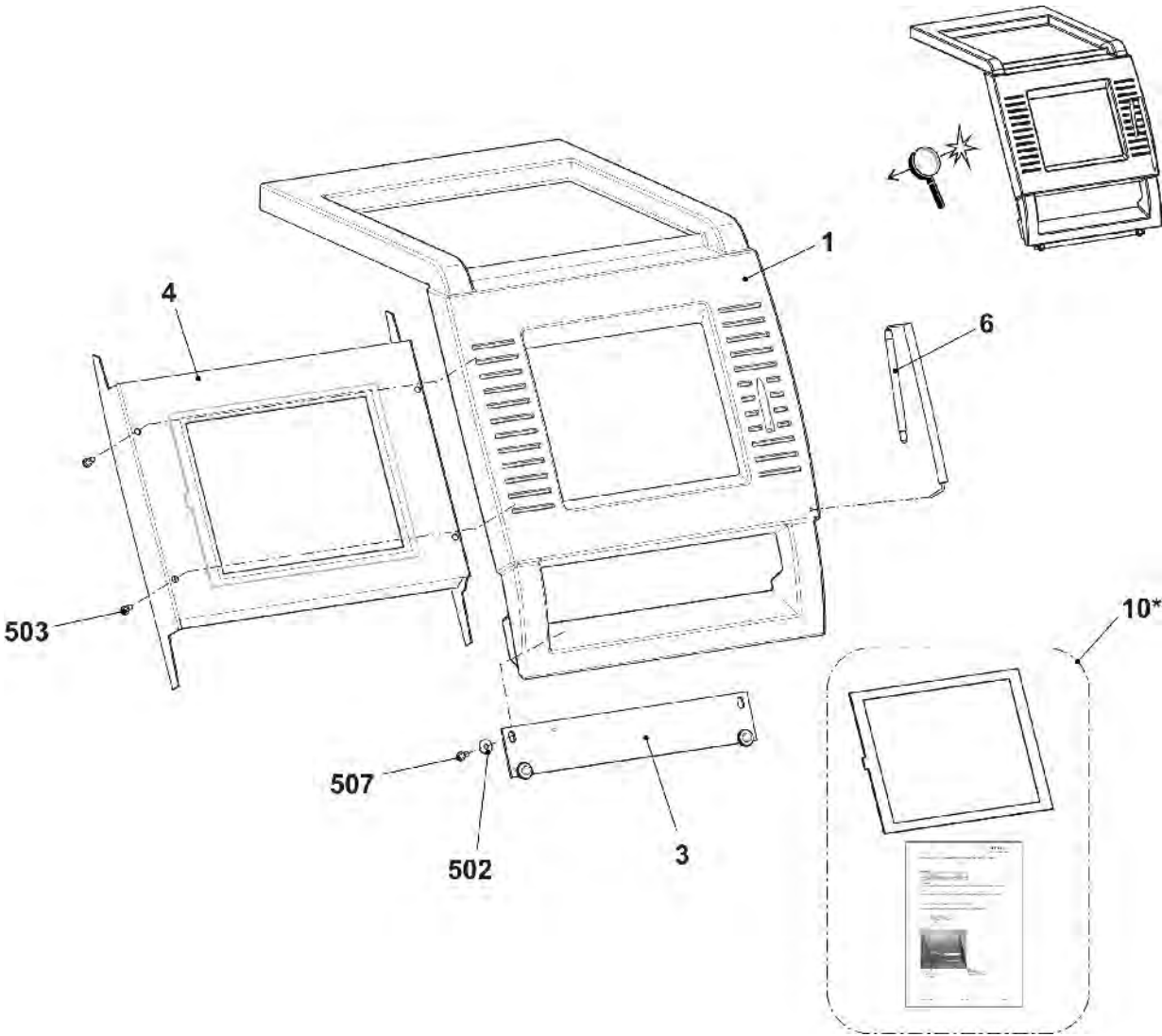


12 Operation and control



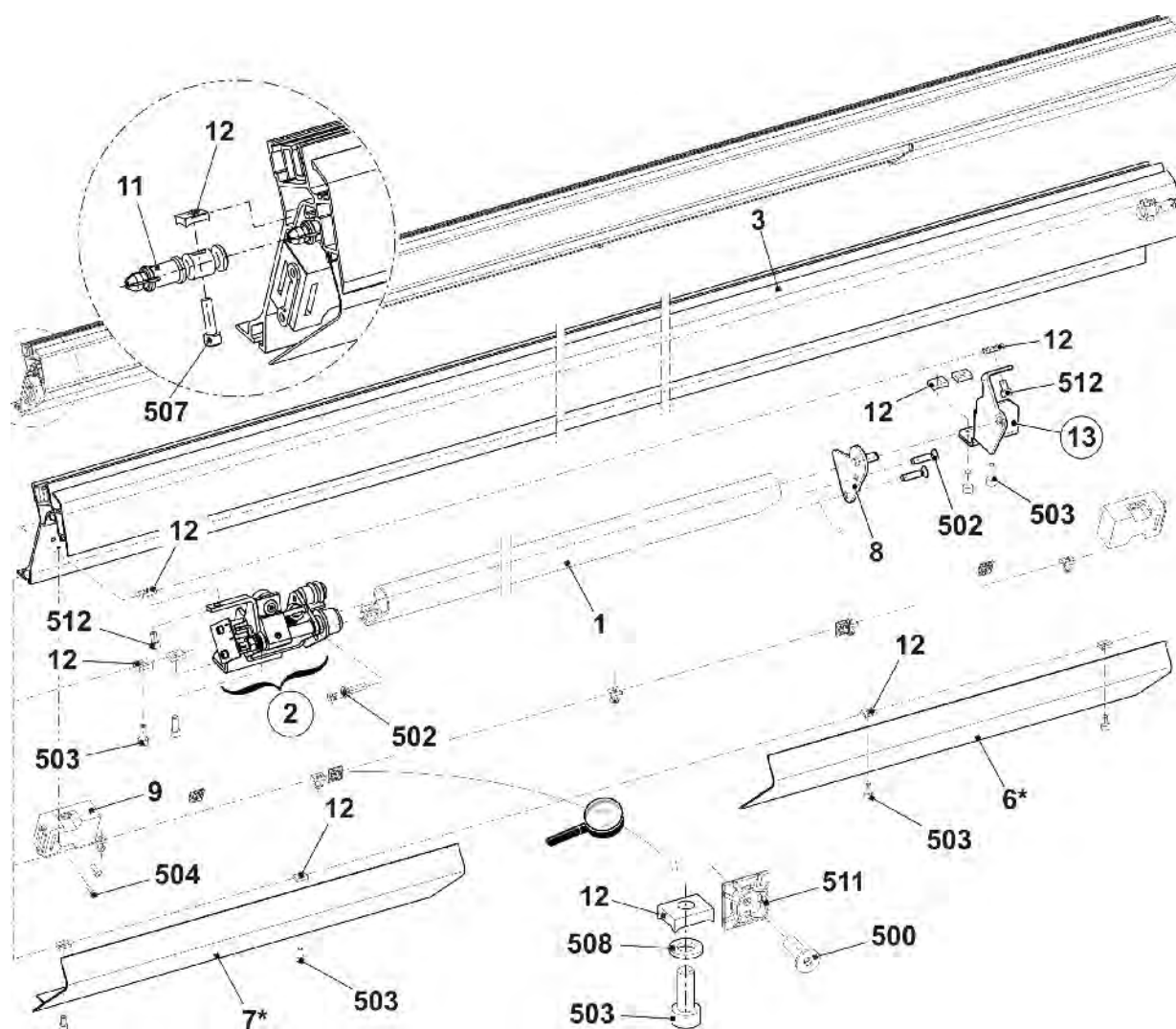
12.1 Input unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Input unit complete	240 194			
1	Base frame	240 195	10*	Touch panel spare parts package	244 554
3	Bearing strip complete	240 198	502	Washer	020 901
4	Display touch complete	250 298	503	Screw KB 50x12	240 359
6	Touch pen	242 812	507	Screw KB 50x15	251 728



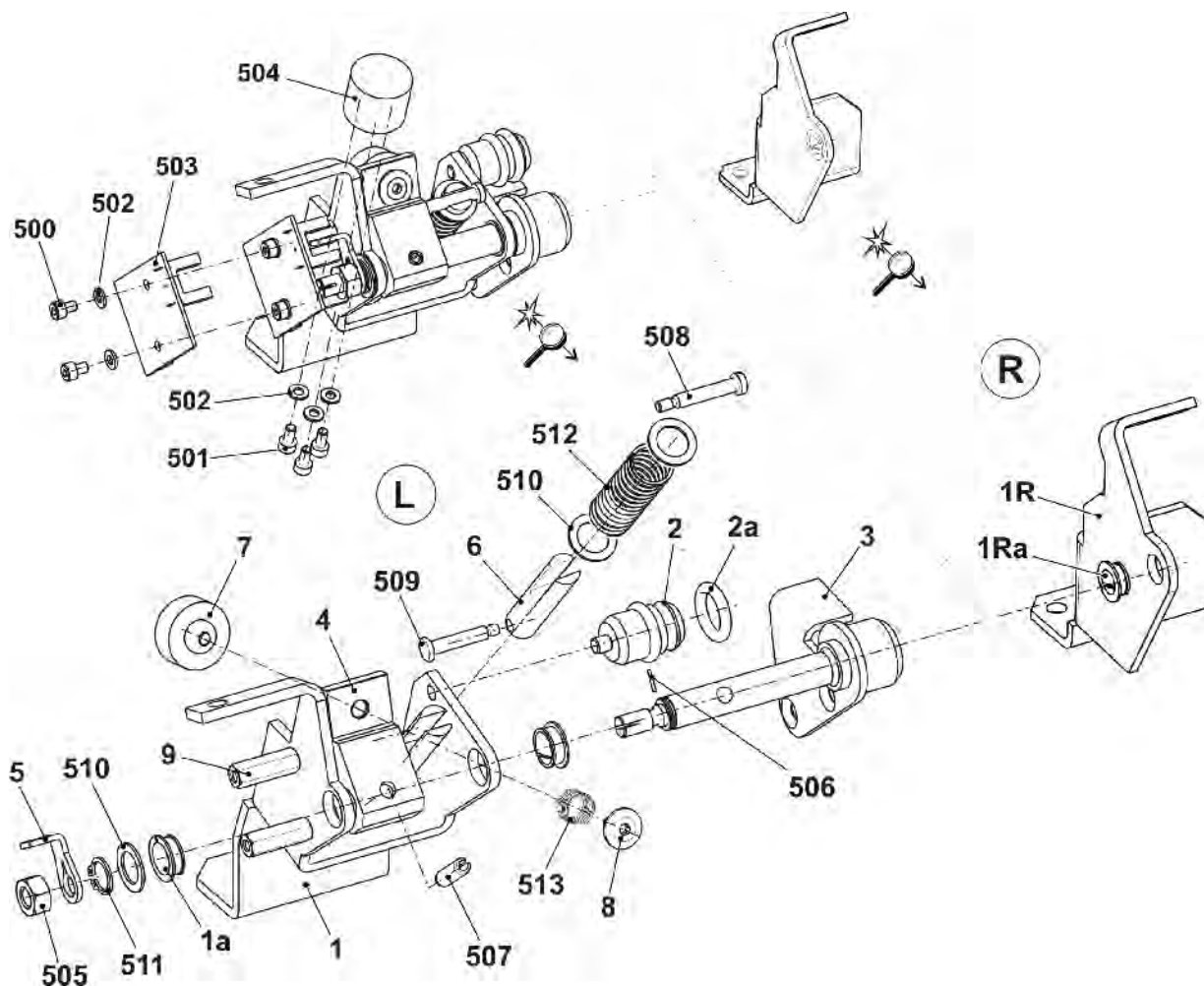
12.2 Starting device

Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	240 306			
1	Engaging rod	240 227	13	Bearing on the right	264 800
2	Bearing on the left complete	250 071	500	Countersunk screw M3,5x6	262 042
3	Guide rail at the bottom complete	257 309	502	Screw M6x25	023 510
6*	Cover plate on the right	250 931	503	Cap screw M6x16	020 135
7*	Cover plate on the left	250 932	504	Pan head screw M5x14	023 588
8	Bearing on the right complete	265 444	507	Cap screw M6x20	020 136
9	Switch with cable to safety doors	223 350	508	Washer	020 872
11	Locating bolt	219 107	511	Cable holder	262 037
12	Sliding nut (slot nut)	225 099	512	Cap screw M6x10	023 690



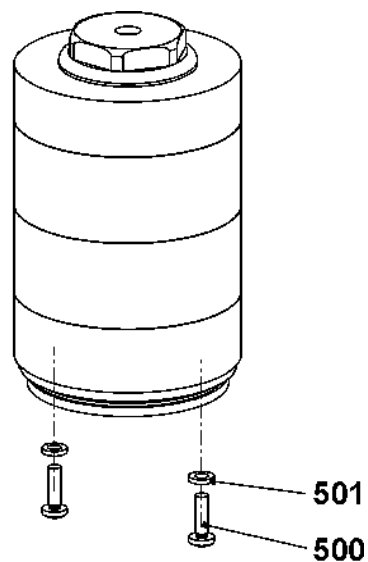
12.2.1 Bearing of the engaging rod

Pos	Designation	Id. no.	Pos	Designation	Id. no.
L	Bearing on the left complete	250 071	502	Shim ring 4x8x1	023 369
1	Bearing on the left	245 218	503	Card engaging	259 000
1a	Clip bearing MCM 12-04	023 639	504	Adhesive magnet direct current	026 233
2	Support of buffer	220 561	505	Hexagon nut M8-6	020 838
2a	O-ring 14x4	023 237	506	Dowel pin 1,5x8	236 923
3	Shaft on the left	245 219	507	Spring dowel sleeve 6x20	023 719
4	Rotor	253 776	508	Shoulder screw M4x24,8x7,7	240 299
5	Switch flag	245 220	509	Shoulder screw	251 316
6	Spring mandrel	251 340	510	Shim ring 12x18x1	023 315
7	Disk	245 222	511	Retaining ring 12x1	020 951
8	Shoulder screw	254 528	512	Compression spring 1,25x15x98,2	023 609
9	Distance bolt	240 287	513	Compression spring 0,5x11x20,21	265 082
500	Cap screw M4x6	023 067	1R	Bearing on the right	264 800
501	Cap screw M4x8	022 501	1Ra	Clip bearing MCM 08-03	253 072



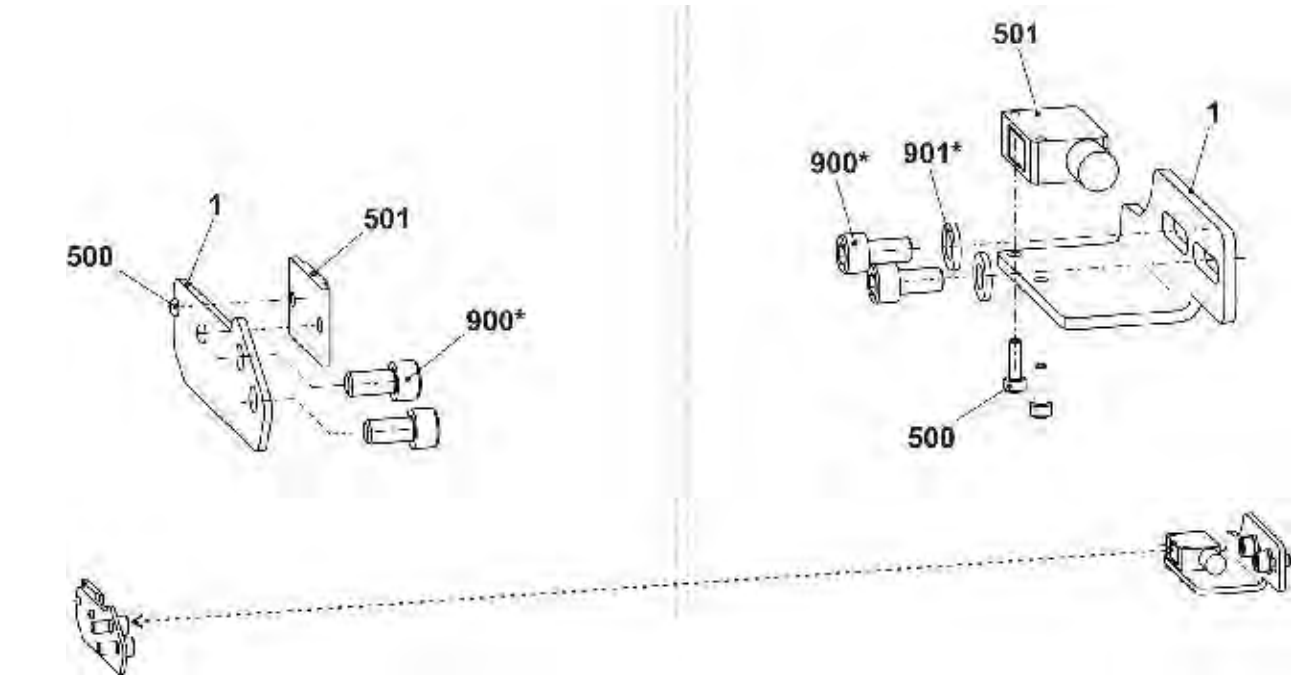
12.3 Signal light

Pos	Designation		Id	Pos	Designation	Id
Σ	Signal light LED		240 395			
	500	Pan head screw M4x14	023 037			
	501	Serrated lock washer A4.3-FS	022 482			



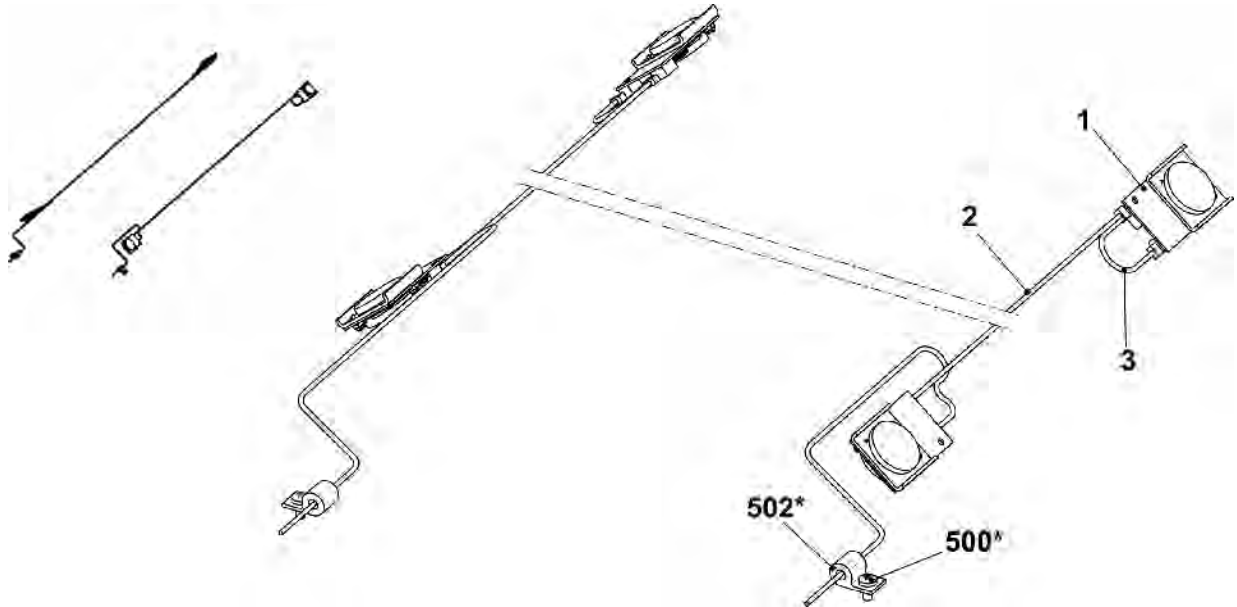
12.4 Control of Collecting Area

Pos	Designation	Id	Pos	Designation	Id
Σ	Reflector complete	256 826	Σ	Light barrier complete	256 825
1	Mounting plate reflector	256 675	1	Holding angle light barrier	256 674
500	Blind rivet A3x8-Al	023 158	500	Cap screw M3x10	022 991
501	Reflector 20x20 mm	243 356	501	Light barrier	243 355
900*	Cap screw M6x12	020 134	900*	Cap screw M6x12	020 134
			901*	Washer 6	020 872



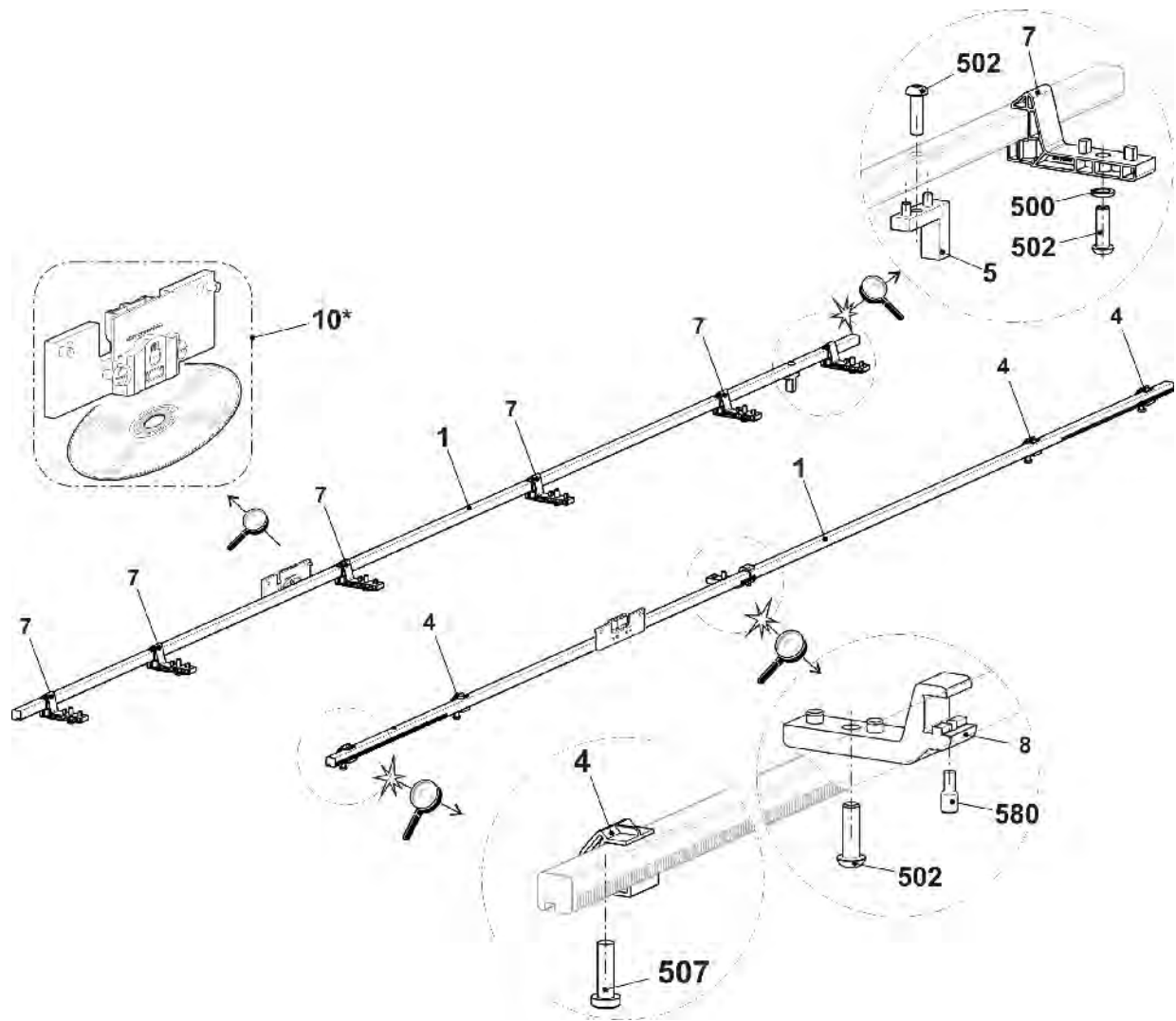
12.5 Shock stop motion

Pos	Designation	ID	Pos	Designation	ID
Σ	Shock stop motion complete E5 – E14	241 819	3	End plug piezo sensor	220 053
1	Shock stop motion (Piezo)	220 011	500	Pan-head screw M4x8	023 036
2	Connecting cable piezo sensor	220 061	502	Cable clip N-3B,5 mm	210 729

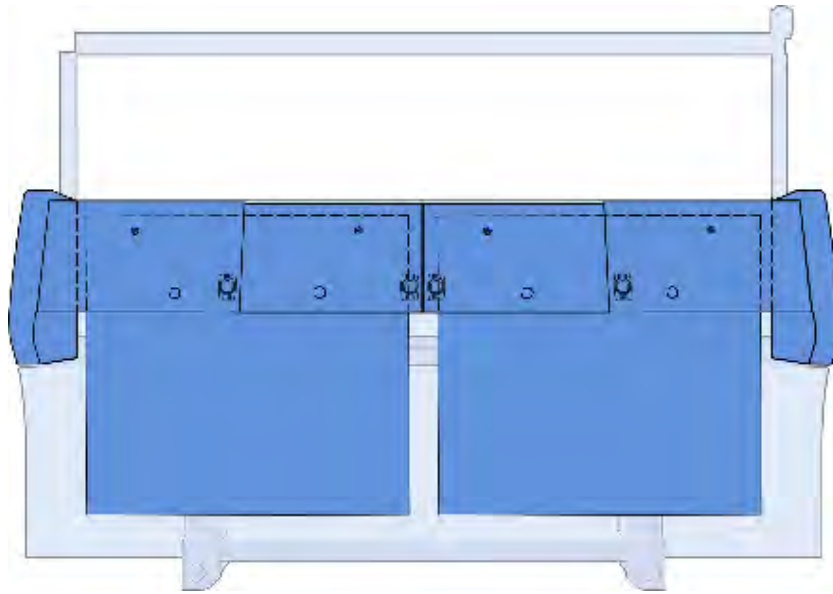


12.6 Measuring device E12|E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Measuring deviceE12 E14				
1	Measuring bar	258 302	580	Setscrew	230 803
4	Guide outside	251 605	10*	Spare parts package impulse sensor GLM	259 613
5	Stop point	242 913	500	Washer	020 881
7	Guide	251 676	502	Pan head screw M6x20	241 603
8	Guide	240 672	507	Screw 60x20	243 625

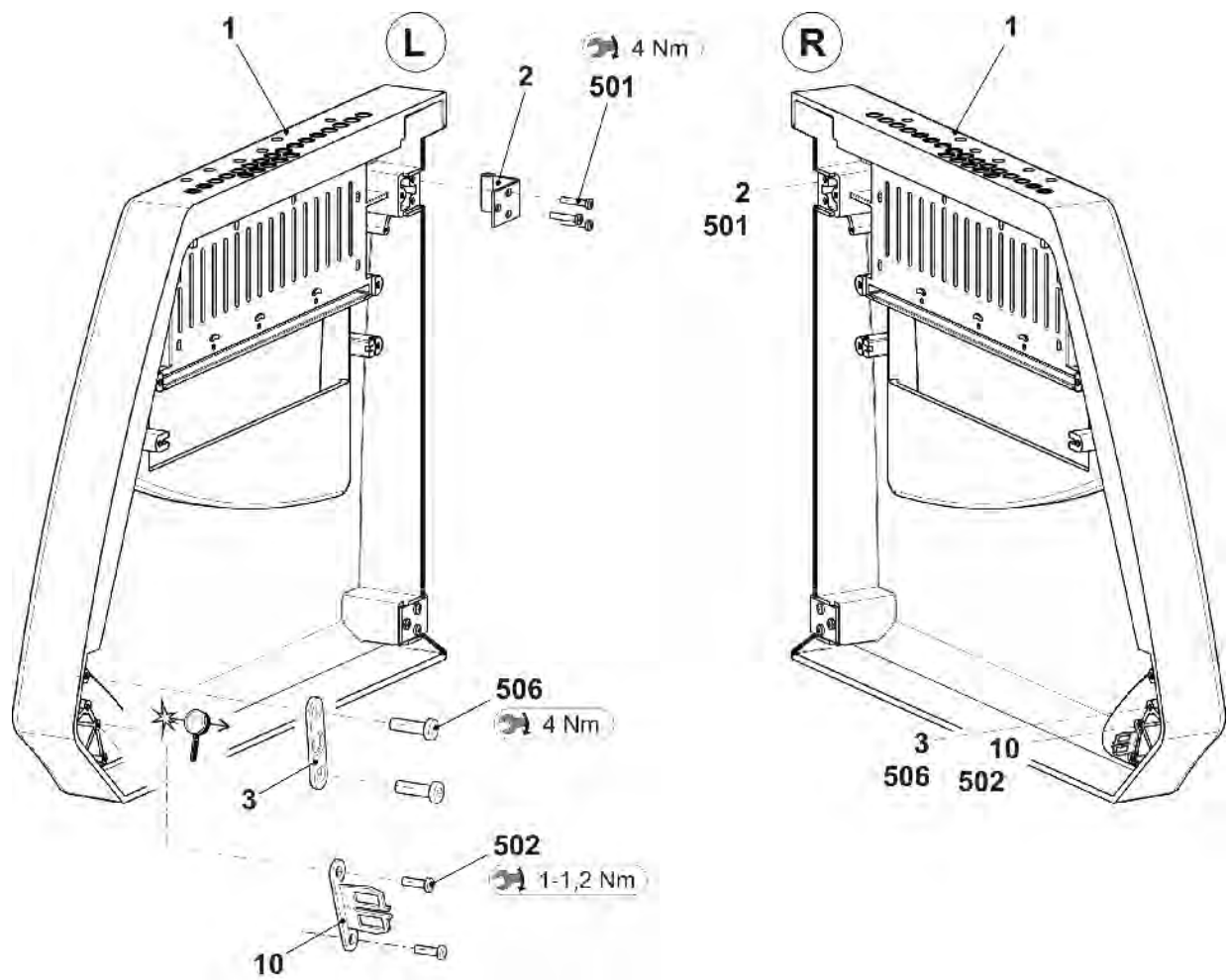


13 Protective devices



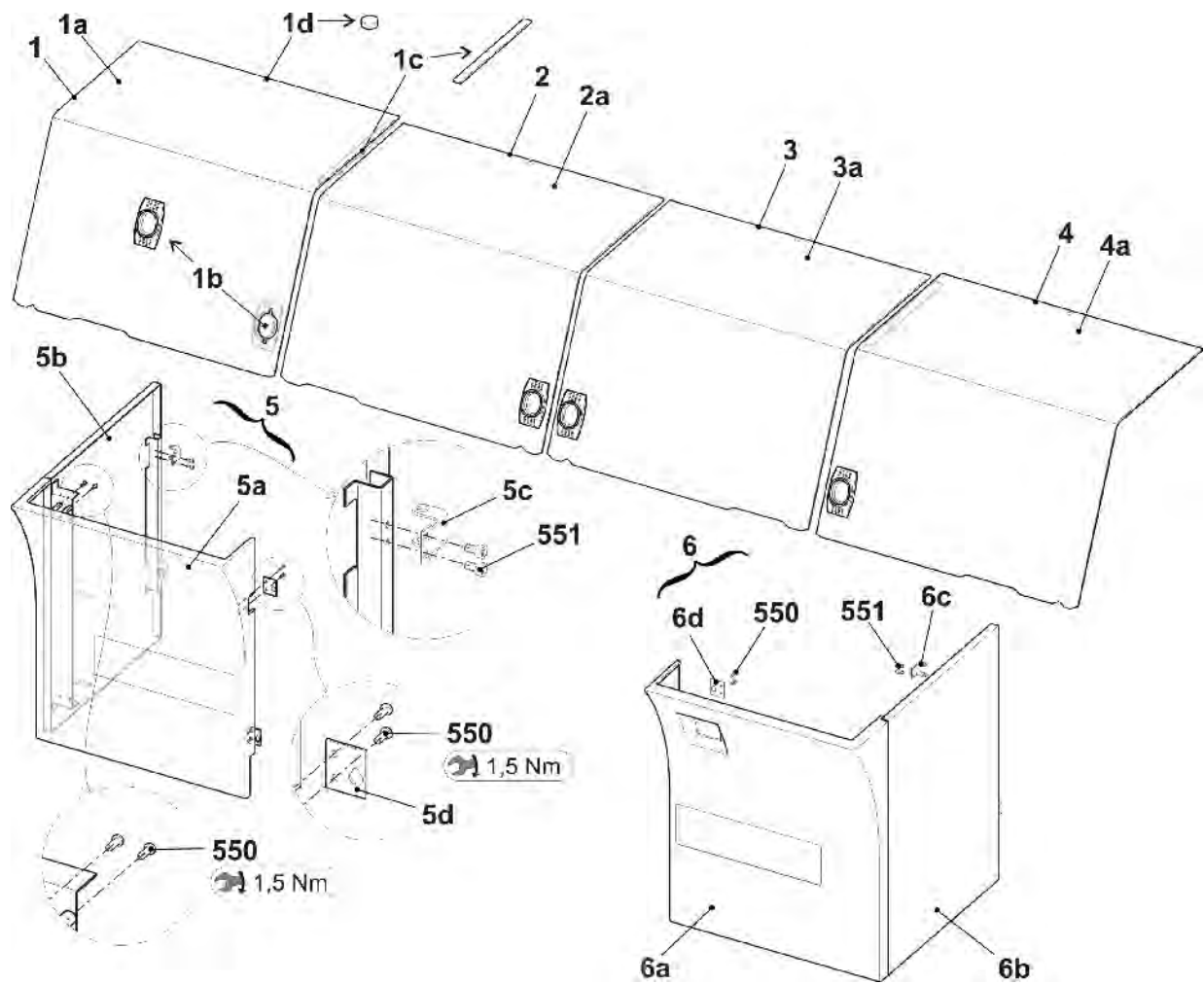
13.1 Lateral safety doors

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the left		Σ	Safety door on the right	
1	Safety door on the left	265 278	1	Safety door on the right	265 279
2	Hinge	263 939	2	Hinge	263 939
4	Locking plate	219 748	4	Locking plate	219 748
10	ActuatorAZ 15/16	255 492	10	ActuatorAZ 15/16	255 492
501	Screw 6x30	265 380	501	Screw 6x30	265 380
502	Screw 4x16	263 995	502	Screw 4x16	263 995
506	Screw 6x20	265 379	506	Screw 6x20	265 379



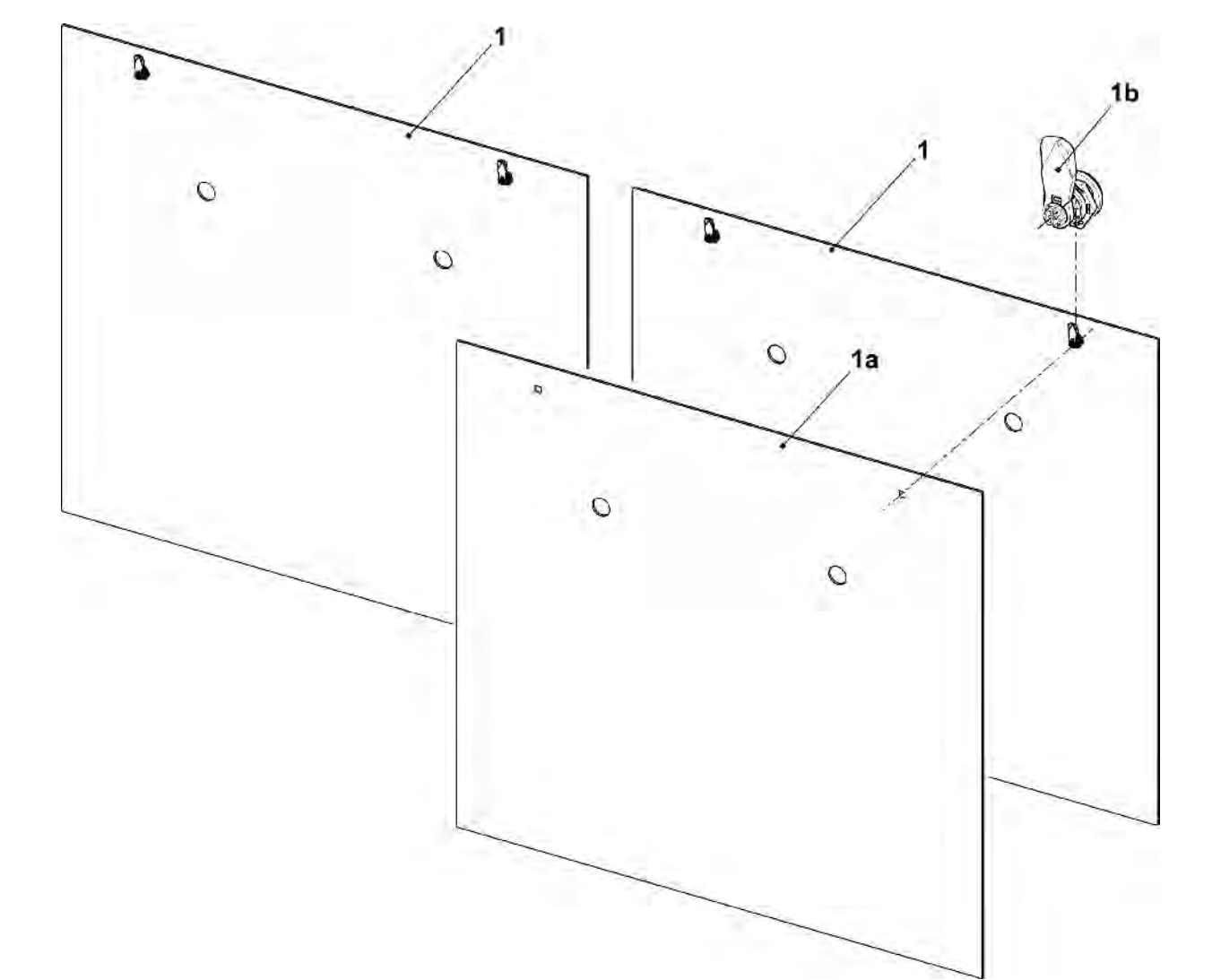
13.2 Panelling

Pos	Designation	Id	Pos	Designation	Id
1	Cover 1 complete	264 573	3	Cover 3 complete	264 577
	1a Cover 1	264 572		3a Cover 3	264 576
	1b Inlet type handle	251 376		1b Inlet type handle	251 376
	1c Stripper	219 393		1c Stripper	219 393
	1d Magnet	264 015		1d Magnet	264 015
2	Cover 2 complete	264 575	4	Cover 4 complete	264 579
	2a Cover 2	264 574		4a Cover 4	264 578
	1b Inlet type handle	251 376		1b Inlet type handle	251 376
	1c Stripper	219 393		1c Stripper	219 393
	1d Magnet	264 015		1d Magnet	264 015
5	Control unit panelling on the left complete	251 233	6	Control unit panelling on the right complete	251 234
	5a Control unit panelling on the left	251 185		6a Control unit panelling on the right	251 186
	5b Side part	244 989		6b Side part	244 989
	5c Hinge	250 273		6c Hinge	250 273
	5d Bracket	240 412		6d Bracket	240 412
	550 Screw KB 50x12	240 359		550 Screw KB 50x12	240 359
	551 Cap screw M6x16	020 135		551 Cap screw M6x16	020 135

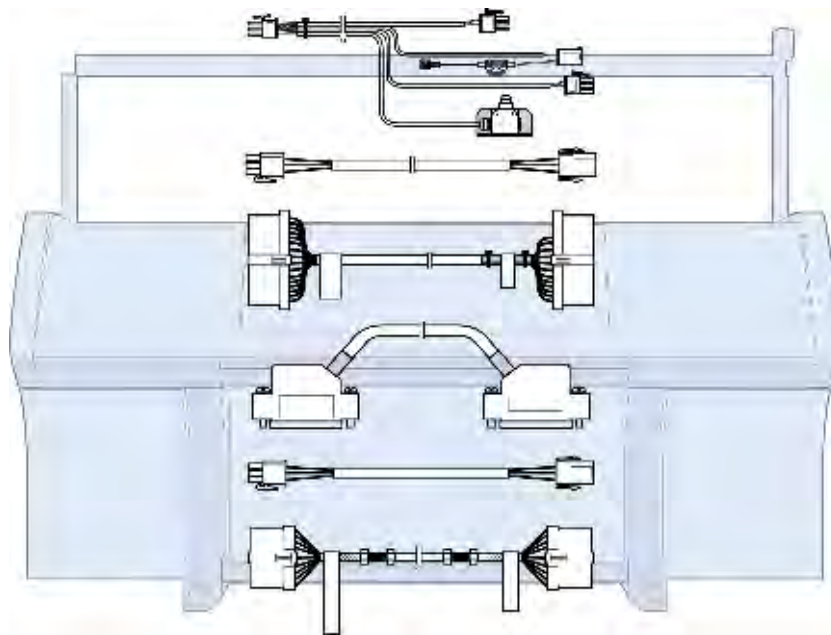


13.3
Rear panel

Pos	Designation	Id	Pos	Designation	Id
1	Panelling at the rear complete	257 668	1a	Panelling	257 662
			1b	Safety sash fastener	243 052



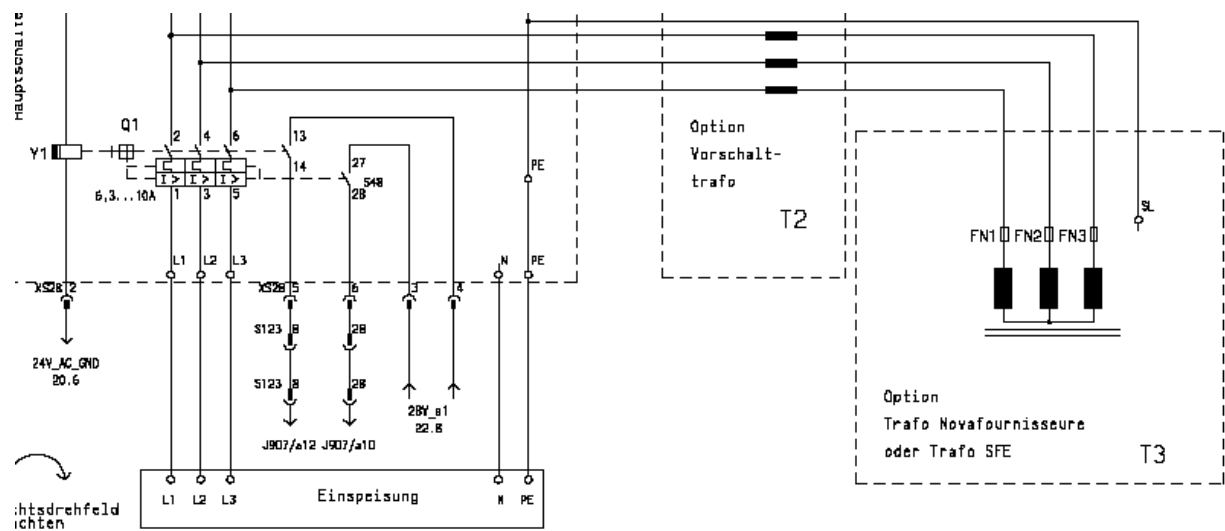
14 Electrical equipment



14.1 Circuit diagram (221) as PDF

Designation	ID	Marking
Circuit diagram 221 German	257 279	_DE
Circuit diagram 221 English	257 279	_GB
Circuit diagram 221 Chinese	257 279	_CN

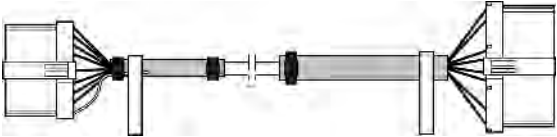
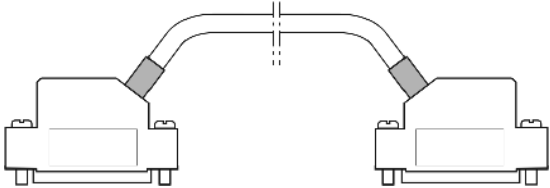
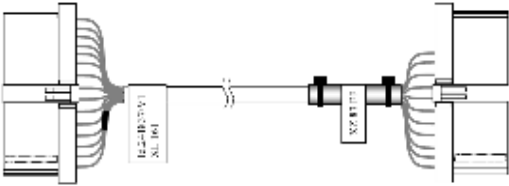
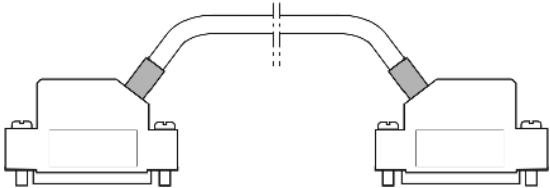
You will find the circuit diagram 221 on the CMS documentation DVD with the ID no.: 257 157



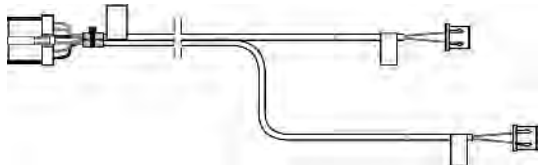
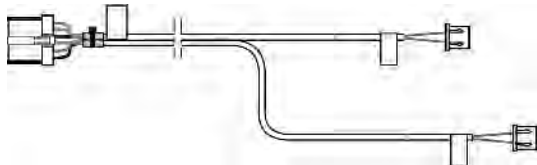
14.2 Fuses

	Designation	Id
	Fuse 1,0A F 5x20	008 748
	Fuse 3,15A T/440V 6,3x32	025 261
	Fuse 10A T/440V 6,3x32Fuse	025 258
	Fuse 2,5A T/440V 6,3x32	217 465
	Fuse 1,6A T/440V 6,3x32	236 229
	Fuse 6,3A T/440V 6,3x32	026 809
	Fuse 8A T/440V 6,3x32Fuse	241 866
	Fuse 12,5A T/440V 6,3x32	232 367

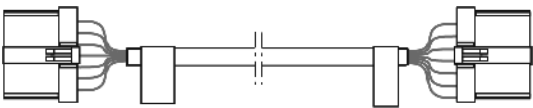
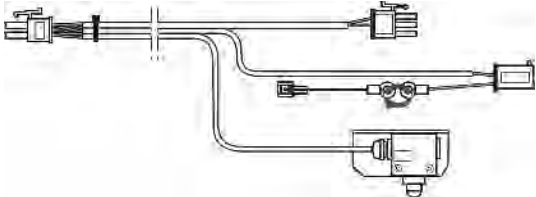
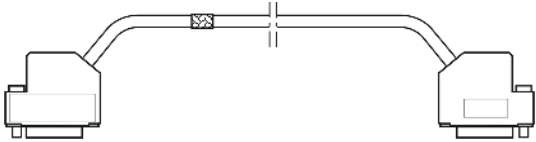
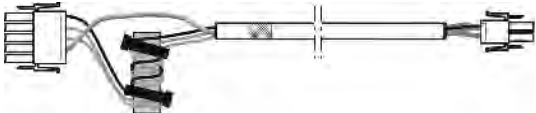
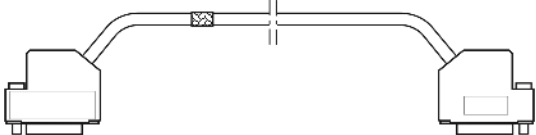
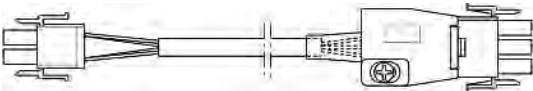
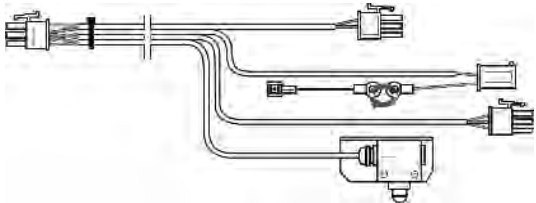
14.3 Trailing cable

Designation	ID	Designation	ID
Cable impulse sensor 2 at the rear XL136 okc3	259 359	Cable SMrear IXL325	243 928
Cable impulse sensor 2 at the front XL137 okc3	259 360	Cable SMfront XL327	243 927
			
Cable yarn carrier XL161	241 837	Cable signal at the rear XL326	243 929
		Cable signal at the front XL328	243 930
			

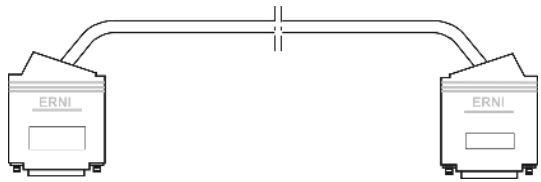
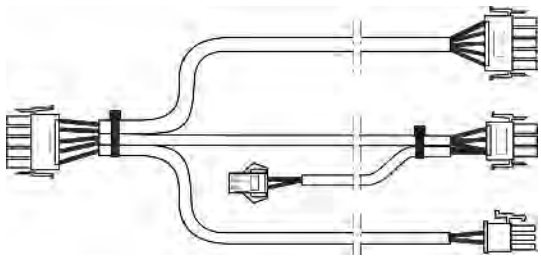
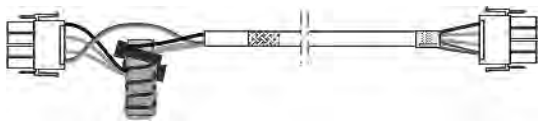
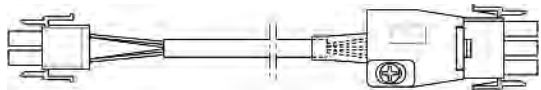
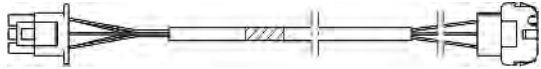
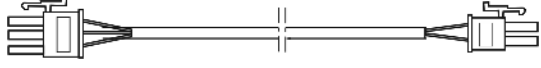
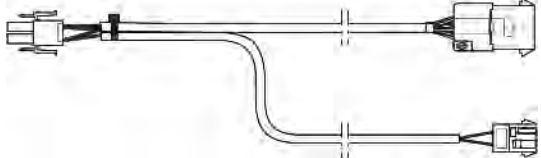
14.4 Cable set installation

Designation		ID	Designation		ID
Σ	Cable set installation 530T okc	243 900			
1	Loom of cables base 1 okc	240 256	4	Loom of cables 50" okc	240258
2	Loom of cables base 2okc	240 257	5	Loom of cables 530T/1 okc	243 894
3	Loom of cables comb okc	240 259	6	Loom of cables 530T/2 okc	243 895
8	Cable Piezo needle bed okc	240 518	10	Cable switch main take-down 50" okc	240 537
					

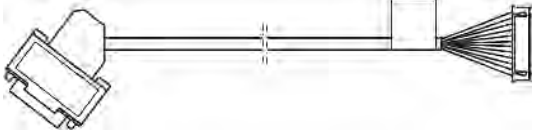
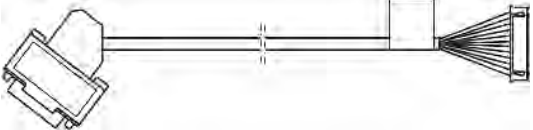
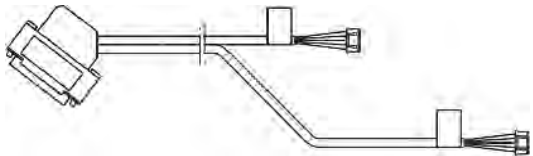
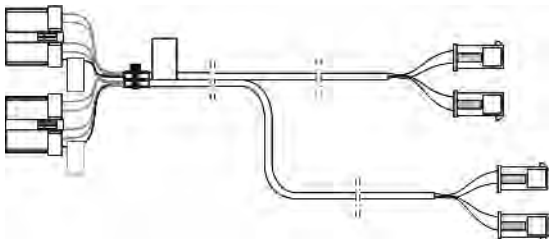
14.4.1 Loom of cables base 1 and 2

Designation	ID	Designation	ID
Σ Loom of cables base 1 okc	240 256		
Cable Engaging rod okc 3xx	240 289	Cable protective device on the left okc	253 442
			
Cable supply FKE lamp okc	240 290		
			
Σ Loom of cables base 2 okc	240 257		
Cable motor HIAB okc	240 291	Cable resolver drive okc 3xx	240 296
			
Cable racking limit switch okc 3xx	240 292	Cable racking motor okc 3xx	240 297
			
Cable fan drive 3xx okc	240 293	Cable resolver racking okc 3xx	240 298
			
Cable feed wheel on the right / on the left okc	240 294	Cable protective device on the right okc	253 441
			
Cable drive motor okc 3xx	240 295		
			

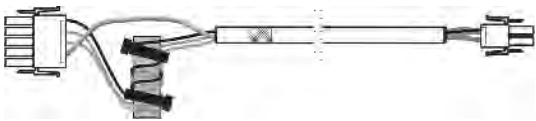
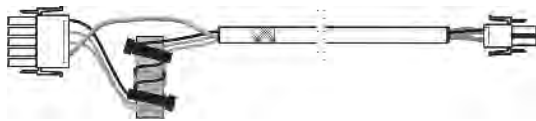
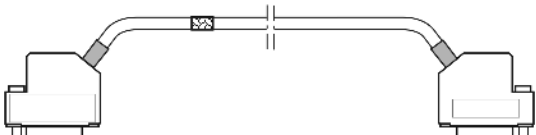
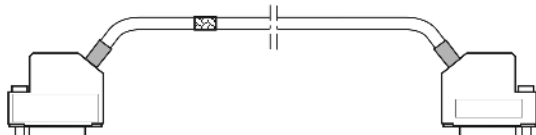
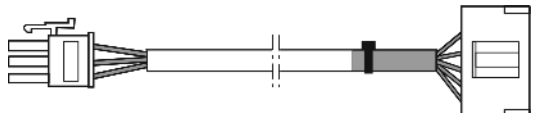
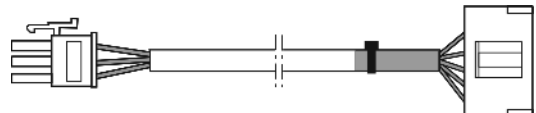
14.4.3 Loom of cables

Designation	ID	Designation	ID
Loom of cables 50" okc	240 258		
Cable CAN 50" okc	240 459	Cable power supply WAZ/F 50" okc	263 686
			
Cable Electro 50" okc	238 703	Cable power supply servo 50" okc	240 502
			
Cable feed wheel on the left 50" okc	240 464	Cable power supply unit of mains supply okc	240 505
			
Cable motor auxiliary take-down 50" okc	240 467	Cable switch auxiliary take-down 3xx okc	240 472
			
Cable impulse sensor auxiliary take-down 50" okc	240 468	Cable power supply FLENT	251 231
			

14.4.4 Loom of cables 530T/2

Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 530/1 okc	243 894			
	Cable clamping and cutting drive on the right okc	243 897		Cable K/SClamping and cutting drive on the left	240 612
					
	Cable K/S clamping and cutting sensors 50" okc	243 896		Cable piezo additional needle bed 530T okc	243 898
					

14.4.5 Loom of cables 530T/2

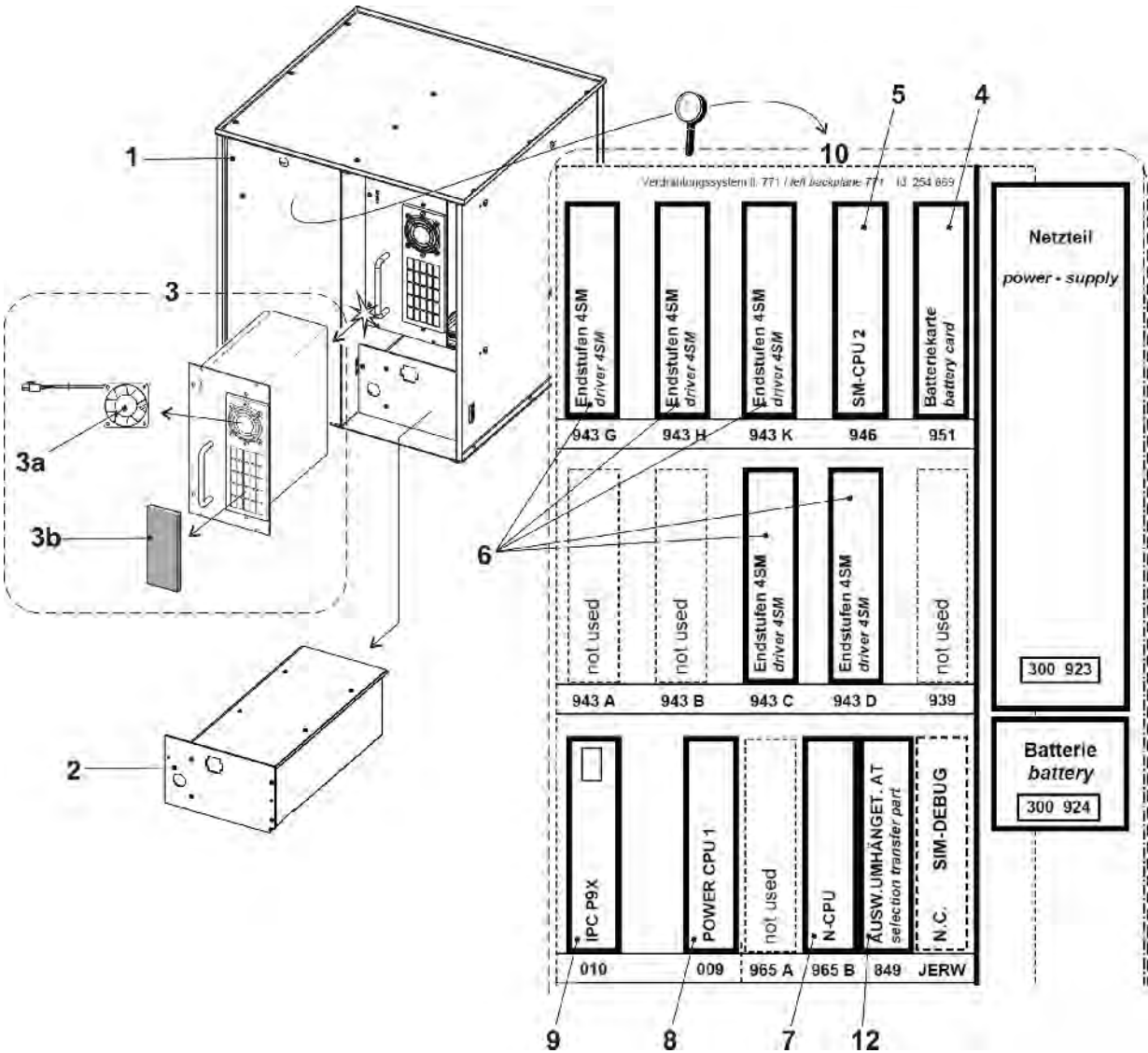
Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 530/2 okc	243 895			
	Cable racking motor ZB on the left 530T	243 891		Cable racking motor ZB front/right	243 547
					
	Cable resolver ZB on the left	243 892		Cable resolver racking ZB front/right	243 548
					
	Cable racking limit switch ZB on the left 530T	243 893		Cable racking limit switch ZB front/right	243 549
					

15 Control electronics



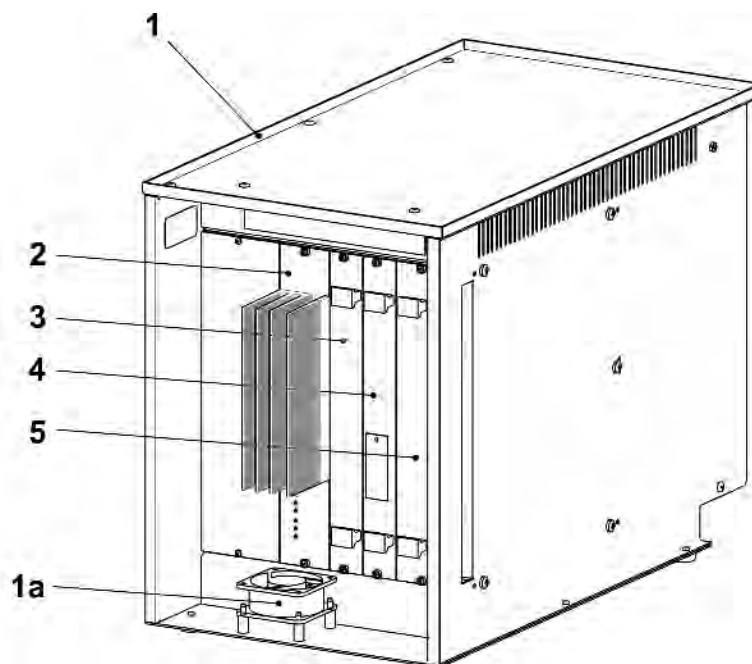
15.1
Left control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit on the left completeokc	255 957	5	Card SM-CPU 2	300 946
1	Control unit on the left without equipment okc	254 868	6	Card final stages 4SM 7TE	300 943
2	Battery plug-in unit	300 924	7	Card N-CPU 432	300 965
3	Power supply unit CG54	300 923	8	Card Power CPU1	301 009
3a	Fan power supply unit	239 305	9	Card IPC P9X okc	264 480
3b	Filter pad CG54	239 350	10	Adhesive label of card equipment	255 958
4	Card battery OKC	300 951	12	Card selection transfer part	300 849

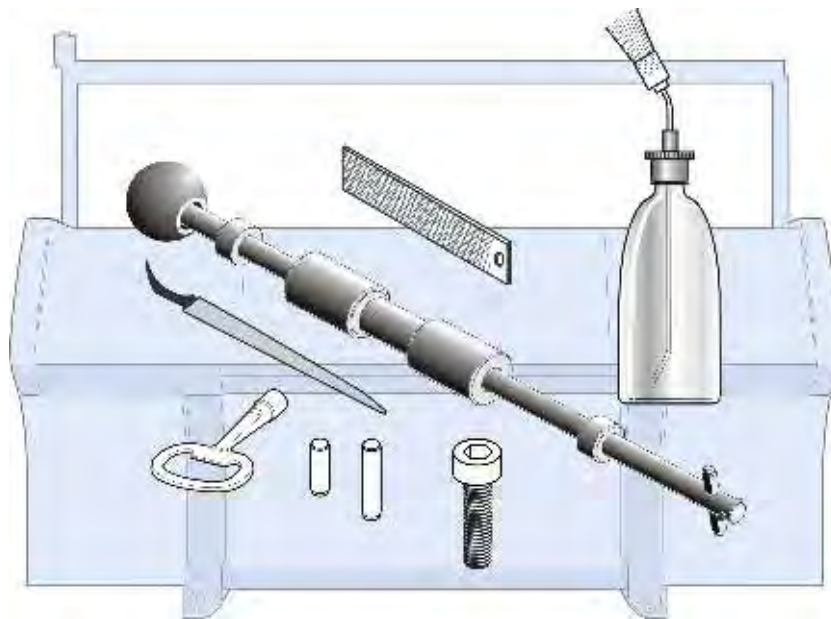


15.2 Right control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit on the right complete okc	241 310			
1	Control unit on the right without equip- ment4A okc	241 322	3	Card relay okc	300 953
1a	Axial flow fan Servo05	229 059	4	Card CWAZ	300 929
2	Card servo 6okc	301 000	5	Capacitor card CWAZ8 µF	300 948



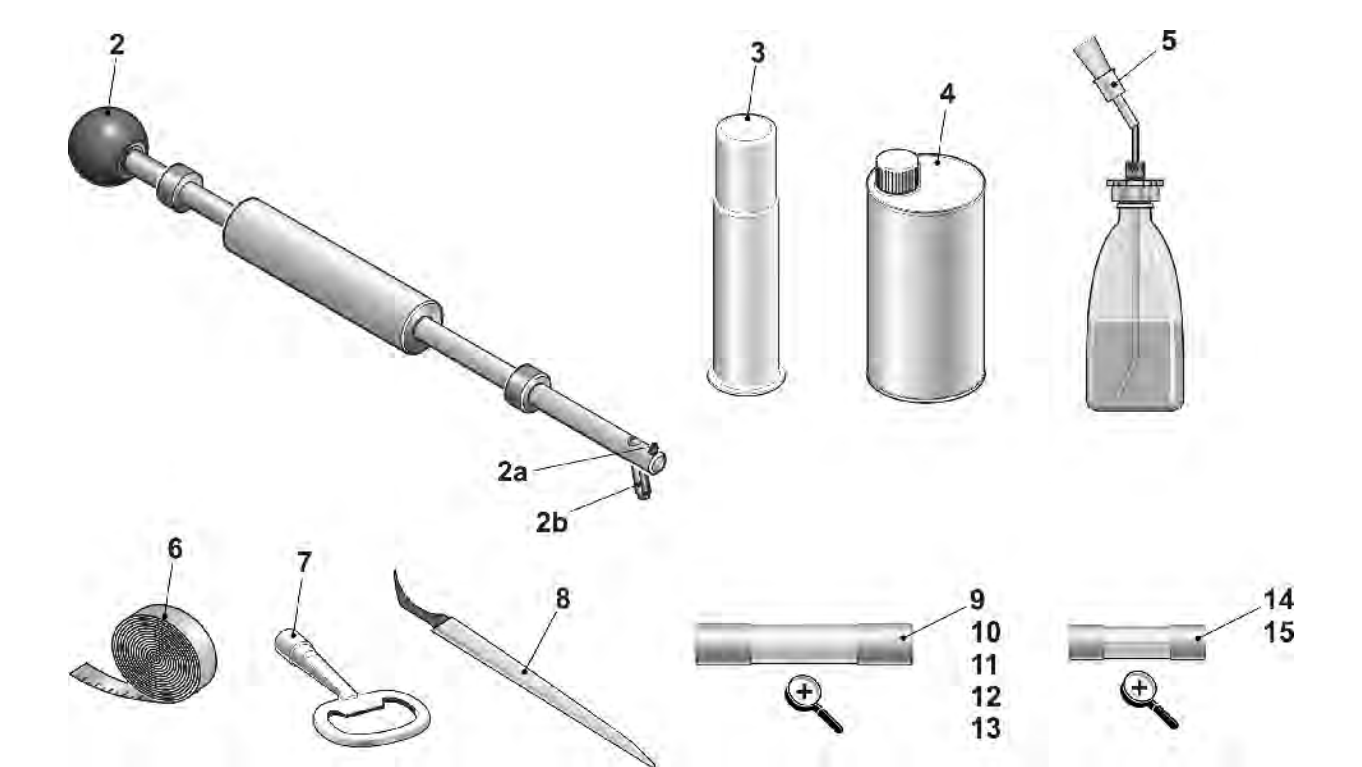
16 Deliverable accessories



You can order the following tools, lubricants and expendables.
The following list does not correspond to the scope of delivery of the knitting machine.

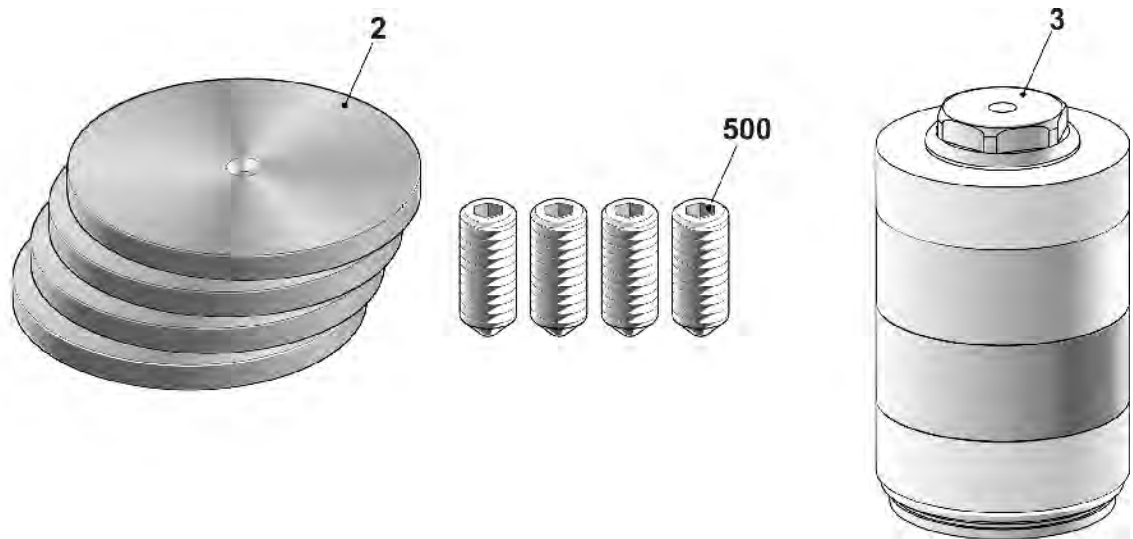
16.1 Accessories part 1

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 1	265 182			
2	Extraction hook	232 027	8	Working hook	227 249
2a	Small pin	202 843	9	Fuse 3,15A T/440V 6,3x32	025 261
2b	Pin	232 022	10	Fuse 6,3A T/440V 6,3x32	026 809
3	Grease OKS 475, 150g	005 351	11	Fuse 10A T/440V 6,3x32Fuse	025 258
4	Silvertex T 46, 1l	230 614	12	Fuse 2,5A T/440V 6,3x32	217 465
5	Oil combifix	216 732	13	Fuse 1A T/440V 6,3x32	209 321
6	Measuring tape L=150cm	228 180	14	Fuse 1,6A T 5x20	008 715
7	Key of switch cabinet	009 346	15	Micro fuse F1,0A	008 748



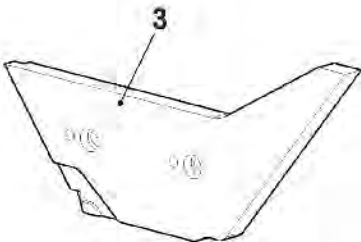
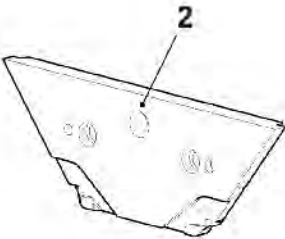
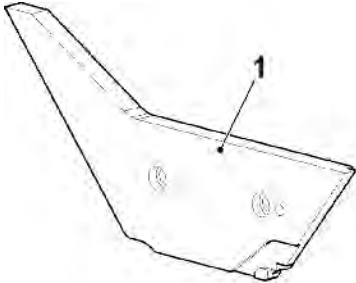
16.2 Accessories part 2

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 2	265 183	3	Signal lightLED	240 395
2	Shim	056 569	500	Setscrew M16x40	244 061

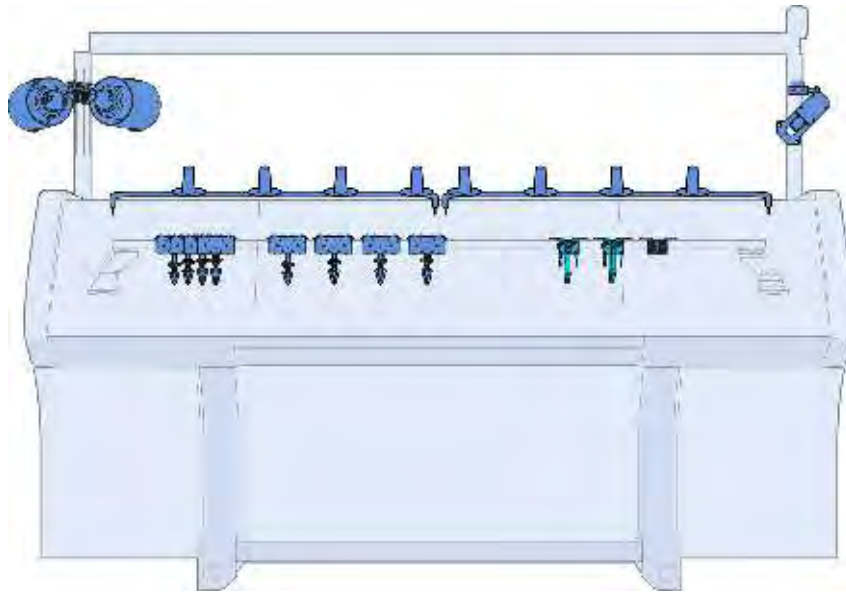


16.3 Cams accessories (for tight knitting)

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories X30T	264 691	2	Entry cam at the top	210 285
1	Entry cam on the left	228 662	3	Entry cam on the right	228 663

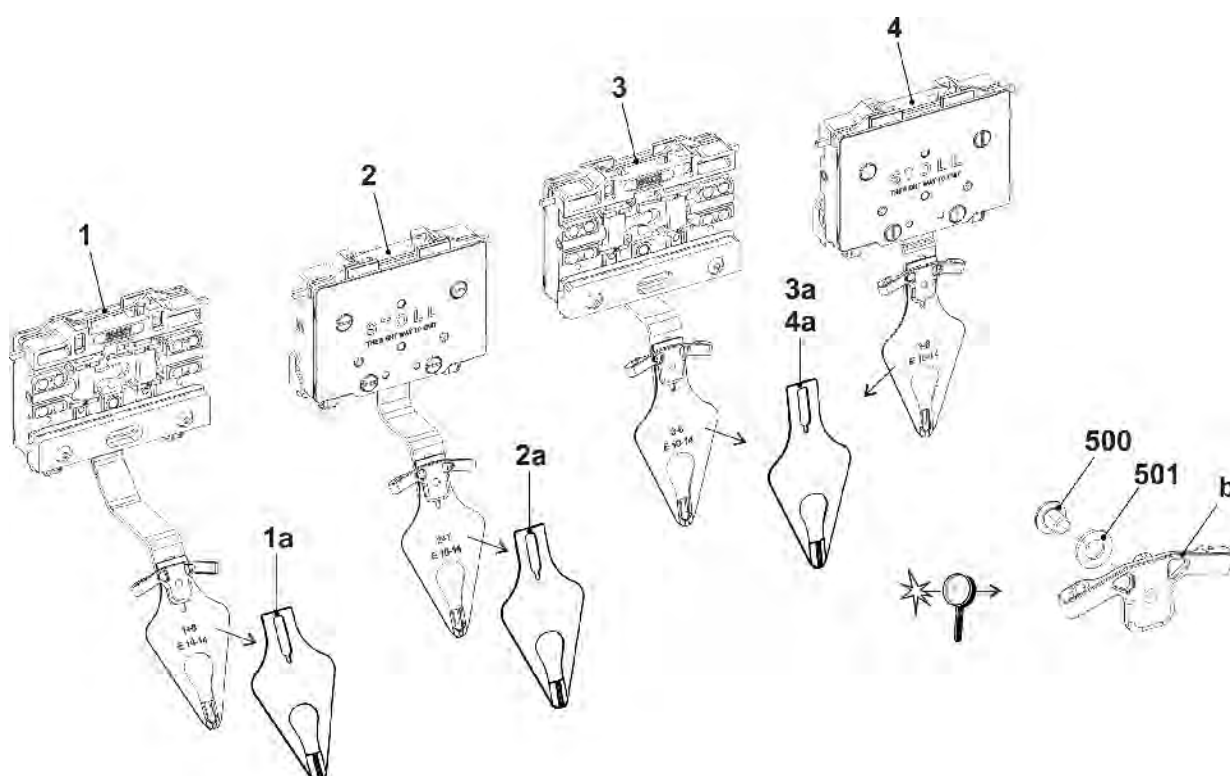


17 Special attachments



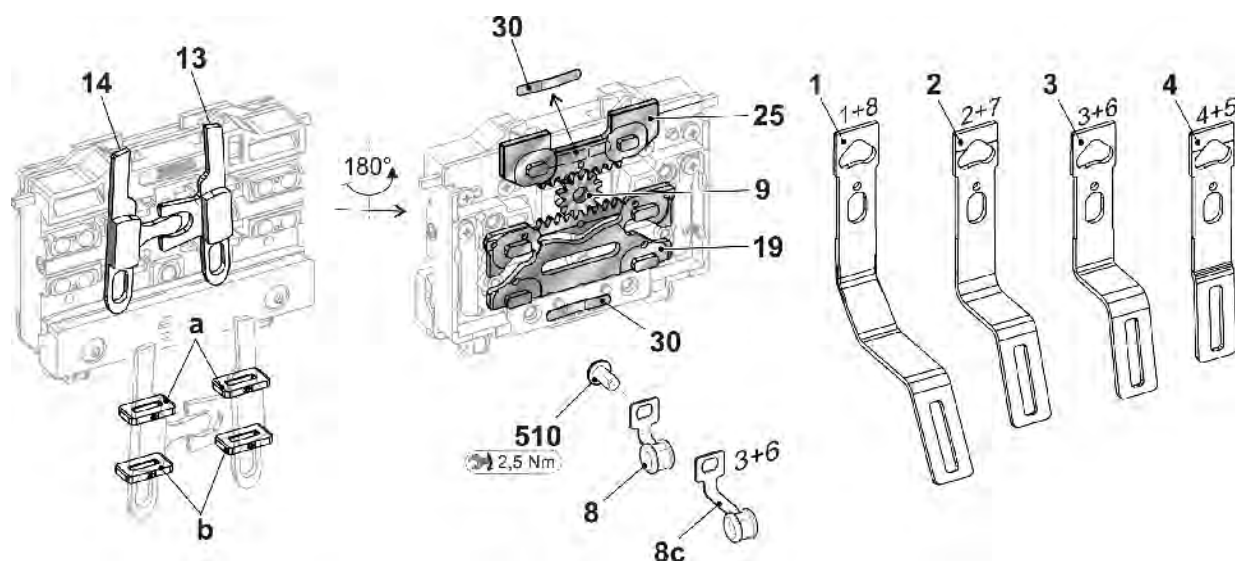
17.1 Intarsia yarn carrier type 2, Overview

Pos	Designation	Id	Pos	Designation	Id
1	IFF carriage complete 1+8 E5	259 732	1a	YC head 1+8 complete E5	244 076
	IFF carriage complete 1+8 E7-8	259 736		YC head 1+8 complete E7-8	244 082
	IFF carriage complete 1+8 E10-14	259 740		YC head 1+8 complete E10-14	260 612
2	IFF carriage complete 2+7 E5	259 733	2a	YC head 2+7 complete E5	244 077
	IFF carriage complete 2+7 E7-8	259 737		YC head 2+7 complete E7-8	244 083
	IFF carriage complete 2+7 E10-14	259 741		YC head 2+7 complete E10-14	260 614
3	IFF carriage complete 3+6 E5	259 734	3a	YC head 3-6 complete E5	244 078
	IFF carriage complete 3+6 E7-8	259 738		YC head 3-6 complete E7-8	244 084
	IFF carriage complete 3+6 E10-14	259 742		YC head 3-6 complete E10-14	260 610
4	IFF carriage complete 4+5 E5	259 735	500	Pan head screw M4x5	239 549
	IFF carriage complete 4+5 E7-8	259 739	501	Washer	020 870
	IFF carriage complete 4+5 E10-14	259 743	b	Yarn guide angle	242 863



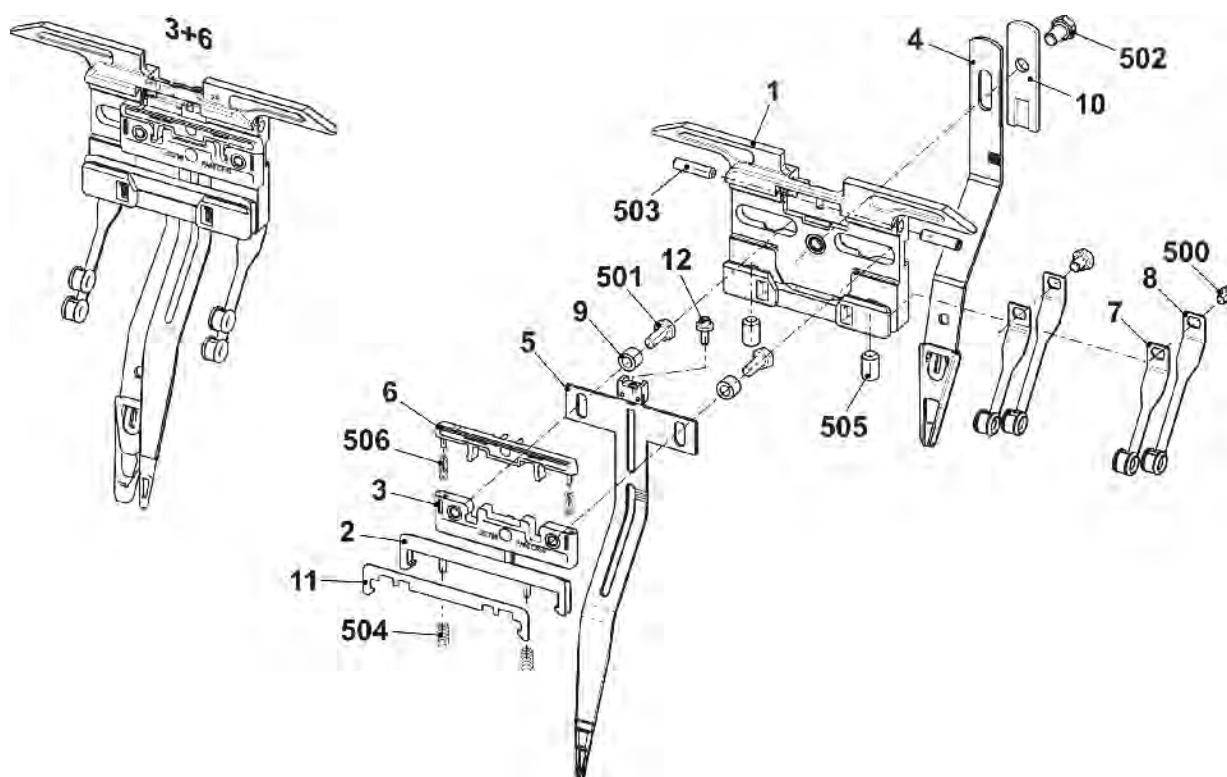
17.1.1 Continuation Intarsia yarn carrier type 2

Pos	Designation	Id	Pos	Designation	Id
Σ	IFF carriage 1+8	259 728	13	Clamping lever on the rightH3	262 019
	IFF carriage 2+7	259 729	14	Clamping lever on the leftH3	262 018
	IFF carriage 3+6	259 730	19	Slider at the bottom	259 653
	IFF carriage 4+5	259 731	25	Slider	260 548
1	FF bow 1+8	259 719	30	Leaf spring	260 527
2	FF bow 2+7	259 720	a	Pressure plate 2,02 H	262 433
3	FF bow 3+6	259 721		Pressure plate 2,04 H	262 434
4	FF bow 4+5	259 722	b	Pressure plate 2,02 H	262 572
8	Eyelet holder complete	260 702		Pressure plate 2,04 H	262 573
8c	Eyelet holder complete	260 700	510	Pan head screw M4x8	023 579
9	Gear wheel	244 031			



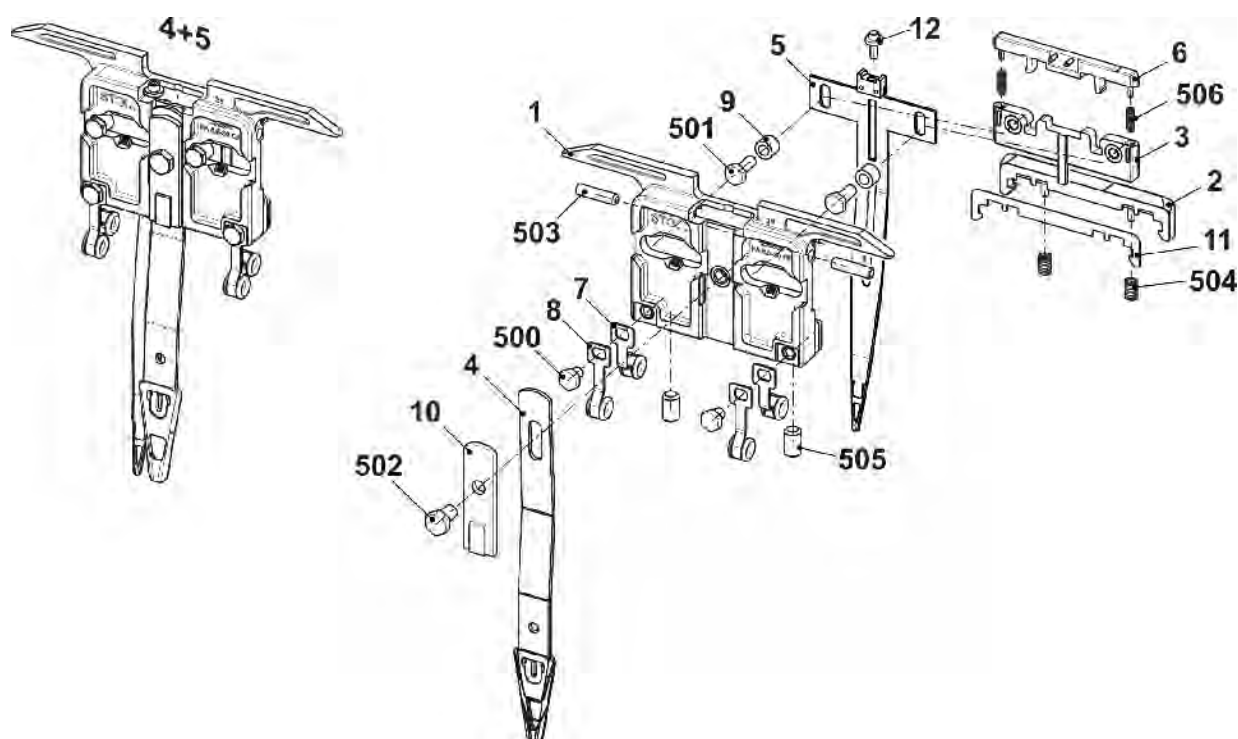
17.2 Plating yarn carrier 3+6

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete				
	E7 E8	252 784	8	Eyelet holder complete	252 824
	E10 E12 E14 E7.2	252 786	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	10	Shim	213 035
2	Sliding piece	212 583	11	Shim	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 3+6		500	Hexagon screw M4x5	243 779
	E7 E8	252 821	501	Hexagon screw M4x10	020 346
	E10 E12 E14 E7.2	252 822	502	Hexagon screw	252 832
5	Plating yarn carrier bow 3+6 E7 E8	252 800	503	Setscrew M4x16	254 196
	Plating yarn carrier bow 3+6 E10-E14	252 808	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 825	506	Compression spring	253 058



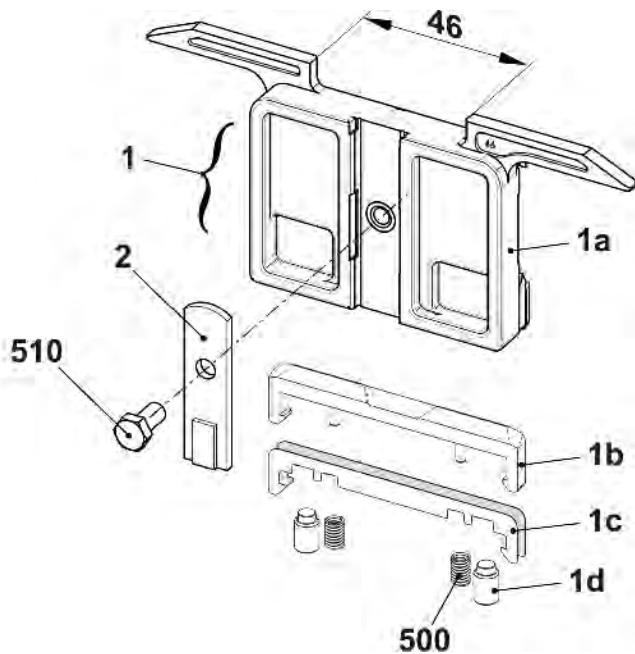
17.3 Plating yarn carrier 4+5

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete				
	E7 E8	252 783	8	Eyelet holder complete	252 816
	E10 E12 E14 E7.2	252 785	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	10	Shim	213 035
2	Sliding piece	212 583	11	Shim	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 4+5		500	Hexagon screwM4x5	243 779
	E7 E8	252 791	501	Hexagon screwM4x10	020 346
	E10 E12 E14 E7.2	252 792	502	Hexagon screw	252 832
5	Plating yarn carrier bow 4+5E7 E8	252 799	503	Setscrew M4x16	254 196
	Plating yarn carrier bow 4+5E10-E14	252 807	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 815	506	Compression spring	253 058



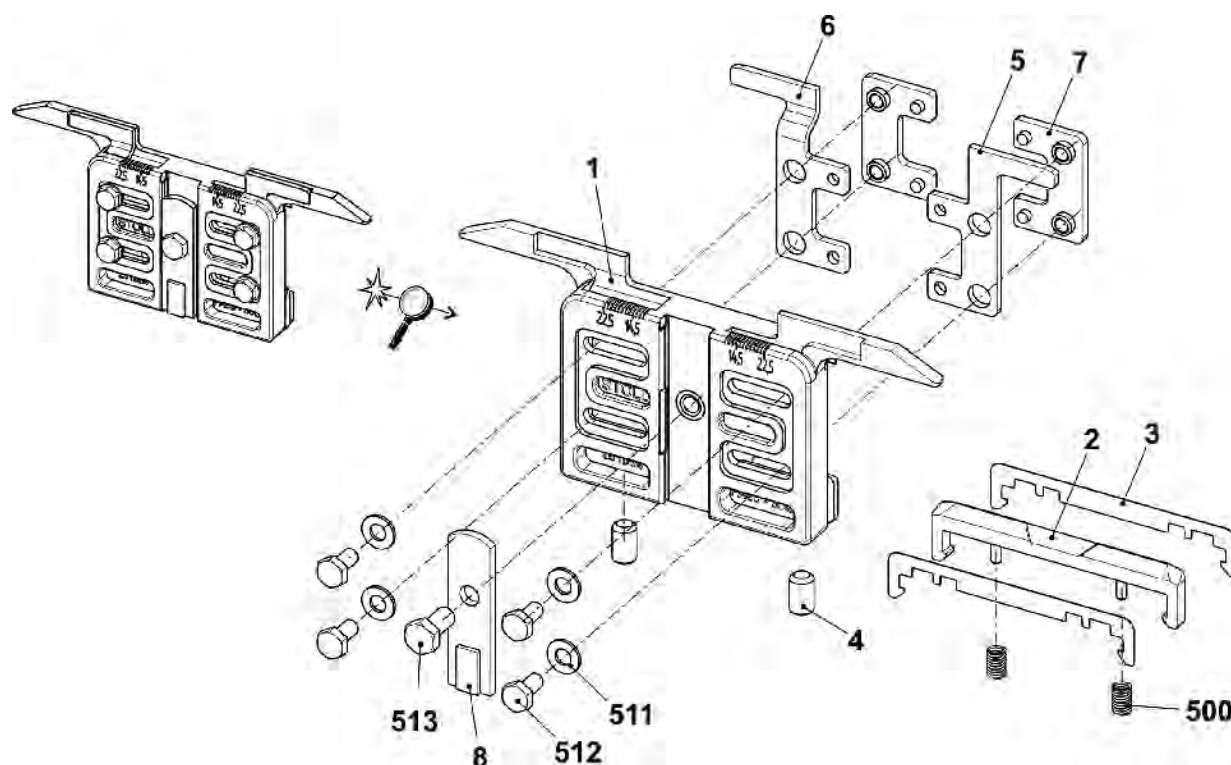
17.4 Carriage of plating yarn carrier EW 46

Pos	Designation		Id	Pos	Designation		Id
B	Plating FF carriage complete EW 46		244 998				
1	FF carriage EW 46		244 253		1d	Threaded bolt	213 399
	1a	FF carriage	243 881		500	Compression spring 4,0x0,55x11	021 399
	1b	Sliding piece	212 583	2	Shim		213 035
	1c	Shim	216 143	510	Hexagon screw M5x10		020 351



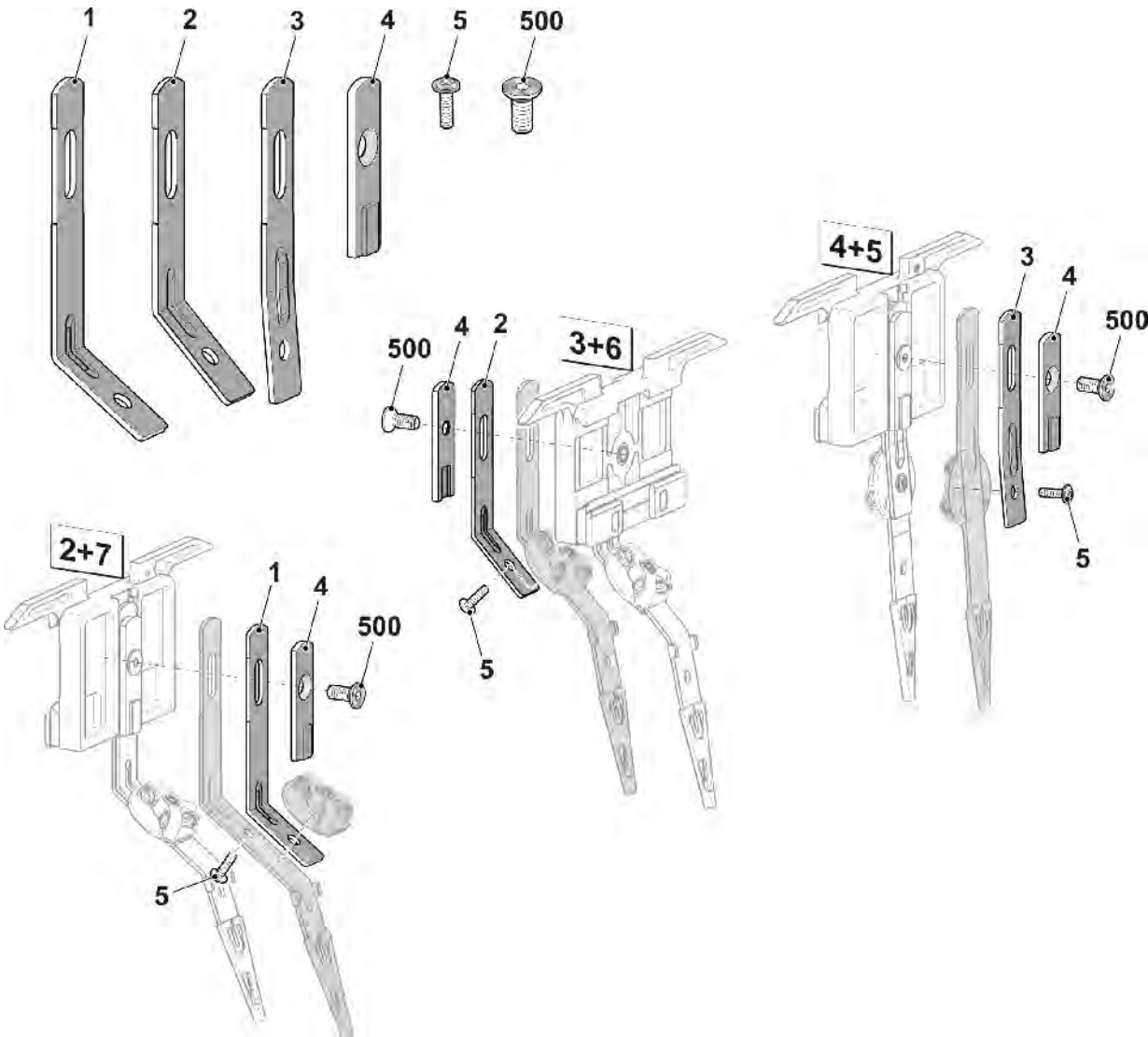
17.5 Carriage of plating yarn carrier (adjustable)

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage complete	251 867			
1	Carriage of yarn carrier	251 864	7	Guide part	253 226
2	Sliding piece	212 583	8	Shim	213 035
3	Shim	216 143	500	Compression spring	021 399
4	Threaded bolt	213 399	511	Washer 4	022 481
5	Insert on the right	251 866	512	Hexagon screwM4x8	022 461
6	Insert on the left	251 865	513	Hexagon screwM5x10	020 351



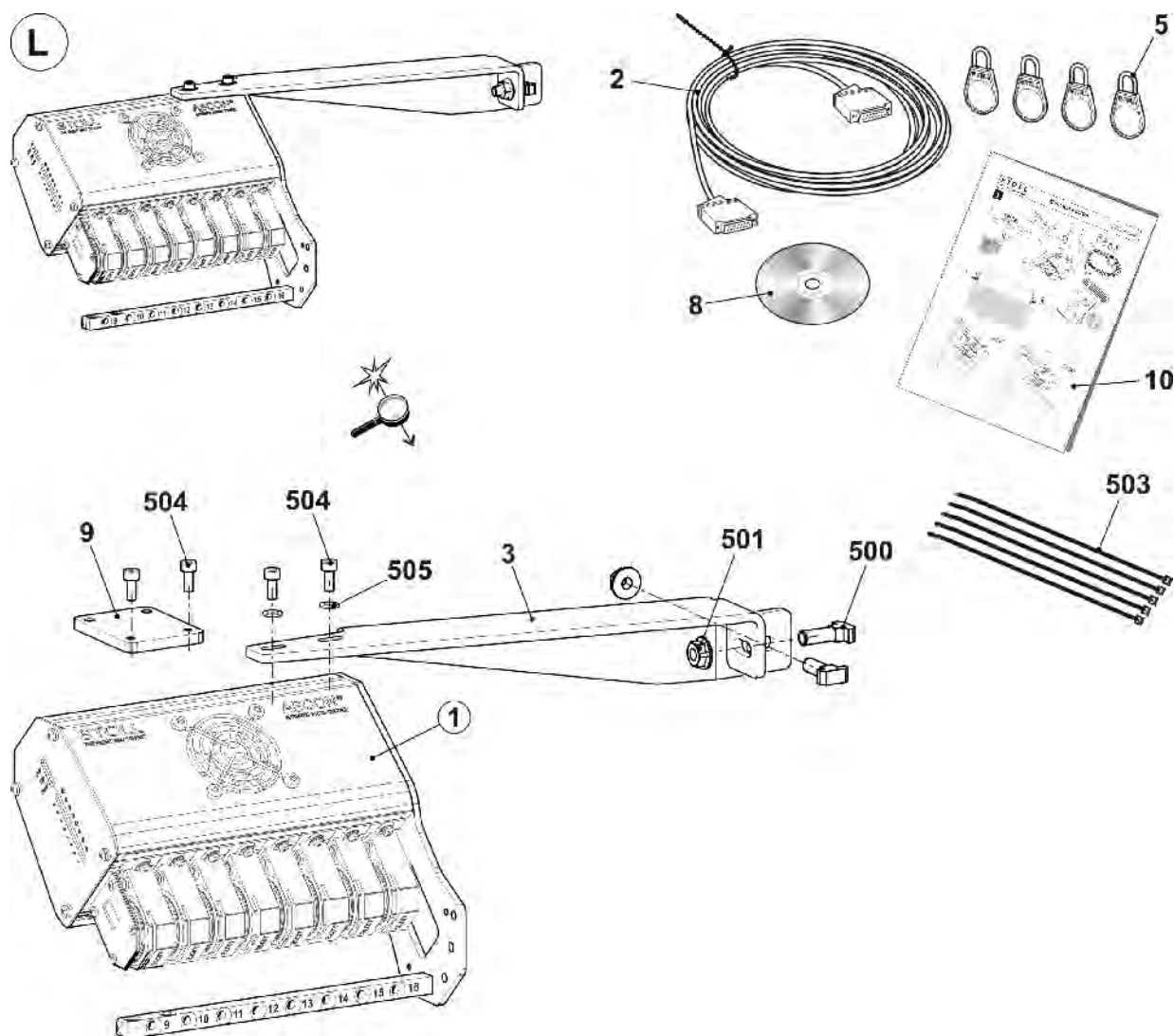
17.6 FF bow stabilization complete

Pos	Designation	Id	Pos	Designation	Id
Σ	FF bow stabilization complete	267 431			
1	FF bow stabilization 4+5	267 414	4	Shim	267 417
2	FF bow stabilization 3+6	267 415	5	Oval head flange screw	267 413
3	FF bow stabilization 2+8	267 416	500	Countersunk screw M5x12	023 340



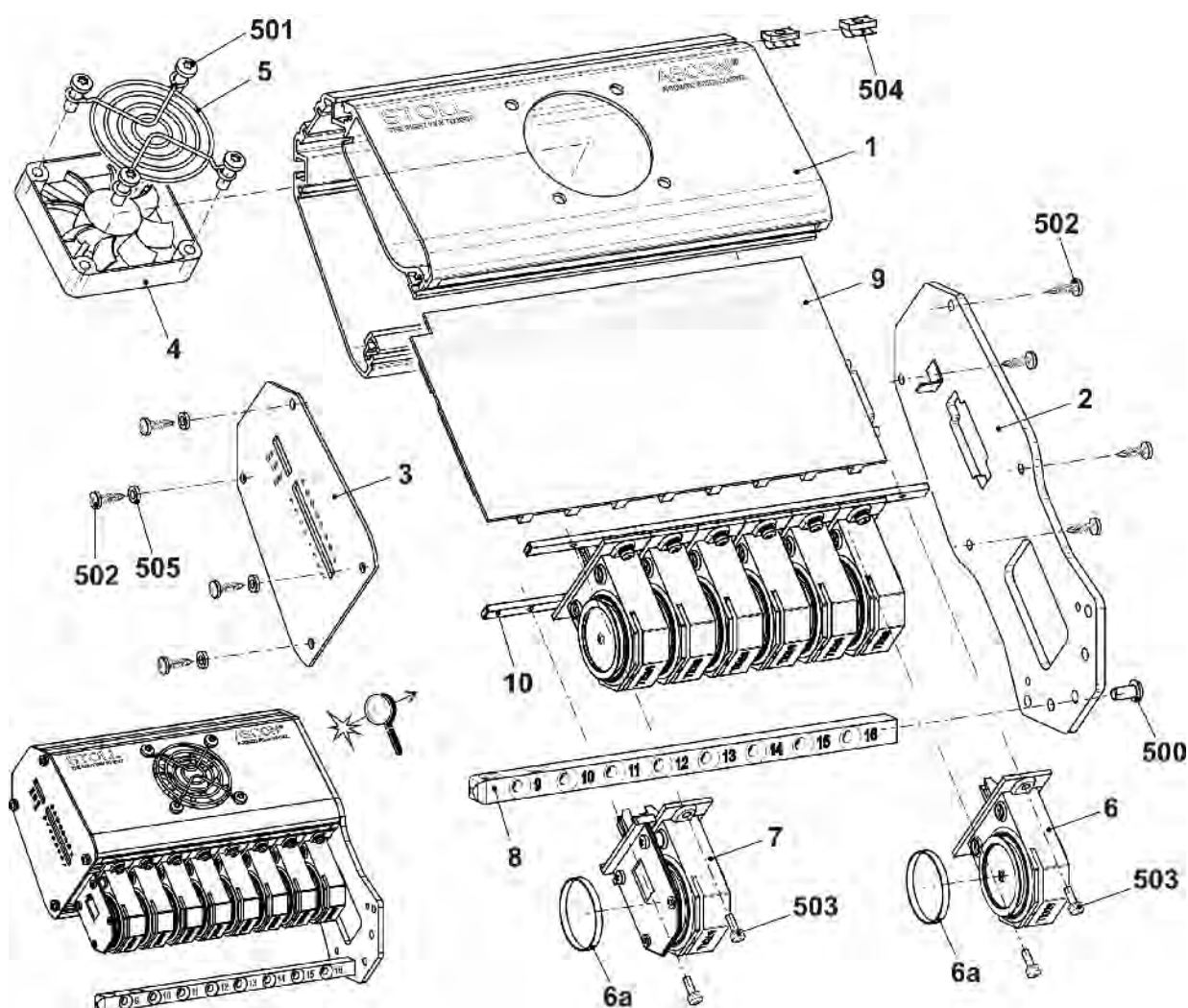
17.7 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	265 391			
1	Yarn length measuring device on the left complete	257 283	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support on the left	265 046	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



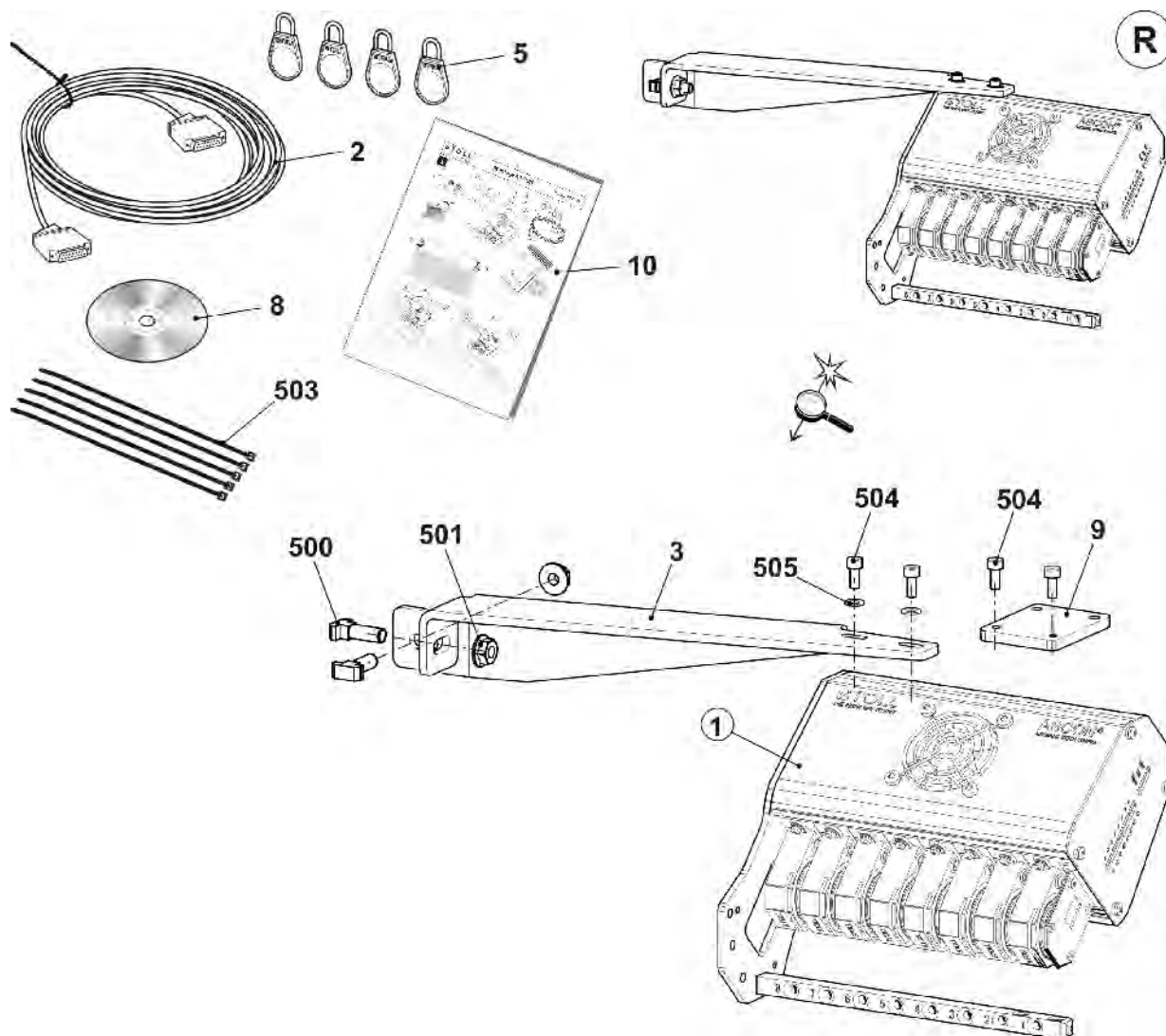
17.7.1 Yarn length measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 283	8	Yarn guide rod	257 139
1	Housing	257 281	9	Card Ascon	255 000
2	Support	257 278	10	Threaded strip	257 138
3	Cover	257 273	500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048	501	Screw 50x15	251 728
5	Protective grid fan Servo5	229 142	502	Sheet metal screw ST3,5x13	022 940
6	Sensor	211 354	503	Oval head screw with washer M3x10	023 380
6a	Rubber running ring	258 582	504	Spring nut M5	022 873
7	Sensor complete	212 406	505	Serrated lock washer J3,7	022 554



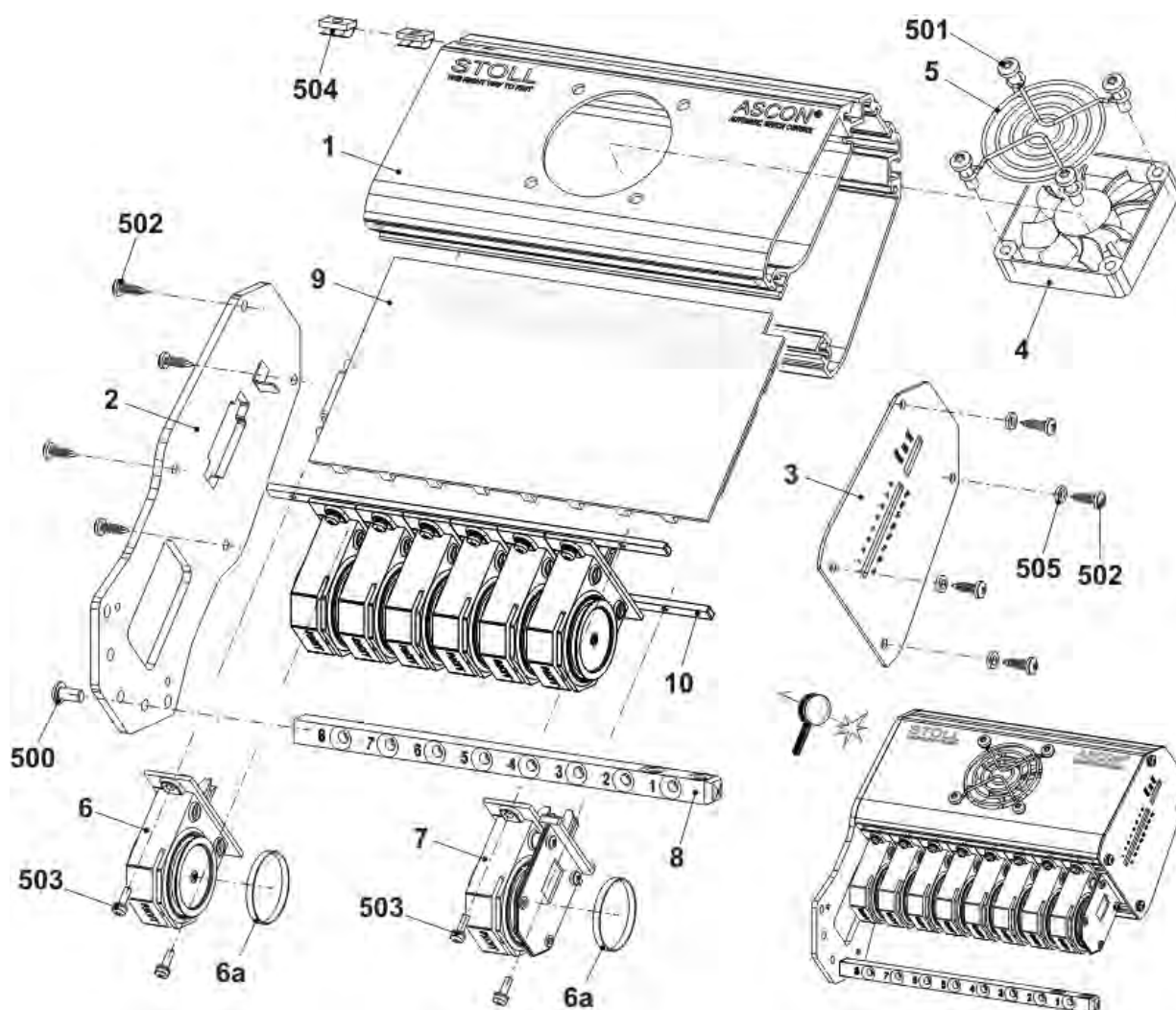
17.8 Yarn length measuring device on the right complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	265 392			
1	Yarn length measuring device on the right complete	257 282	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support right	265 045	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



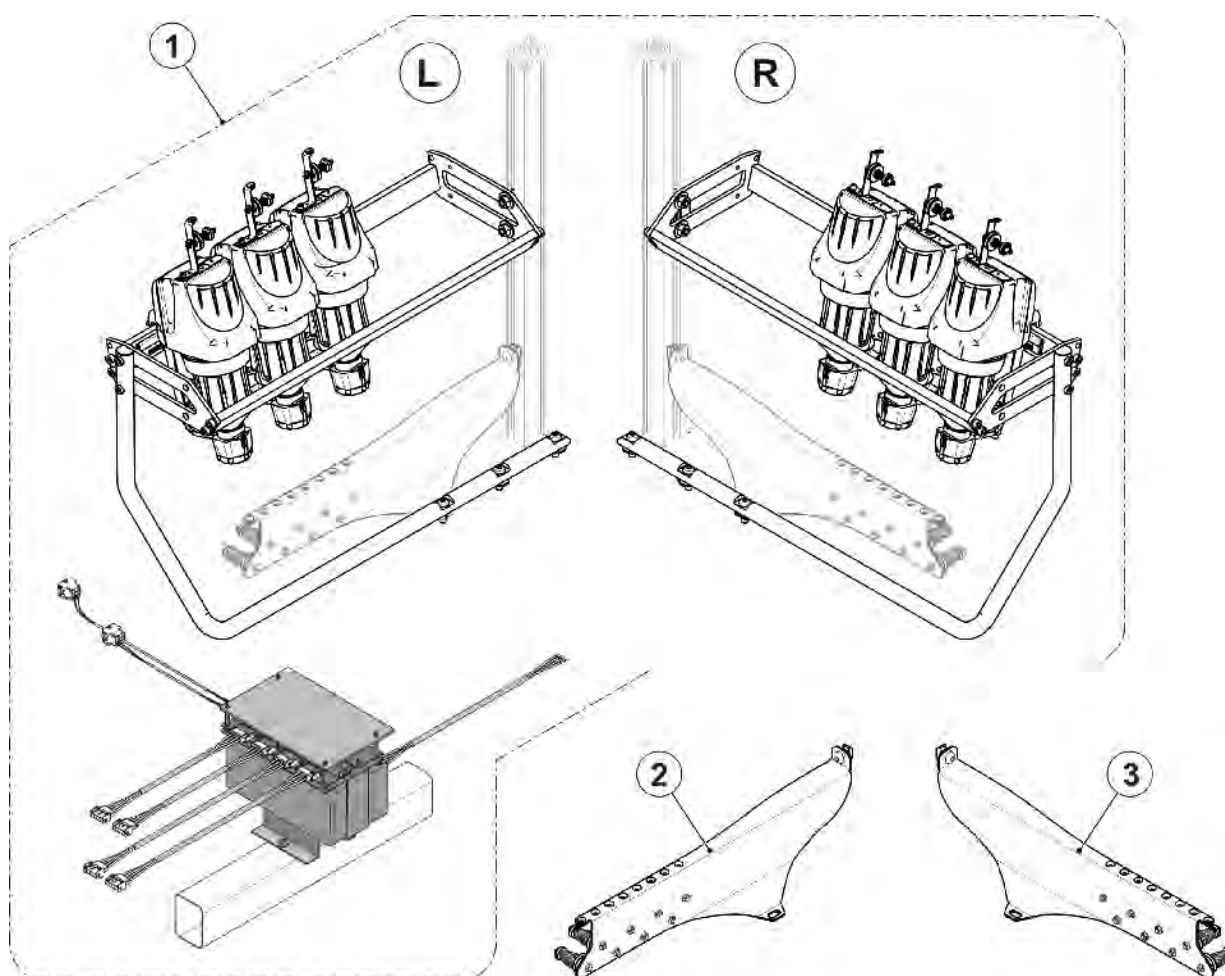
17.8.1 Yarn length measuring device on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 282	8	Yarn guide rod	257 139
1	Housing	257 281	9	Card Ascon	255 000
2	Support	257 278	10	Threaded strip	257 138
3	Cover	257 273	500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048	501	Screw 50x15	251 728
5	Protective grid fan Servo5	229 142	502	Sheet metal screw ST3,5x13	022 940
6	Sensor	211 354	503	Oval head screw with washer M3x10	023 380
6a	Rubber running ring	258 582	504	Spring nut M5	022 873
7	Sensor complete	212 406	505	Serrated lock washer J3,7	022 554



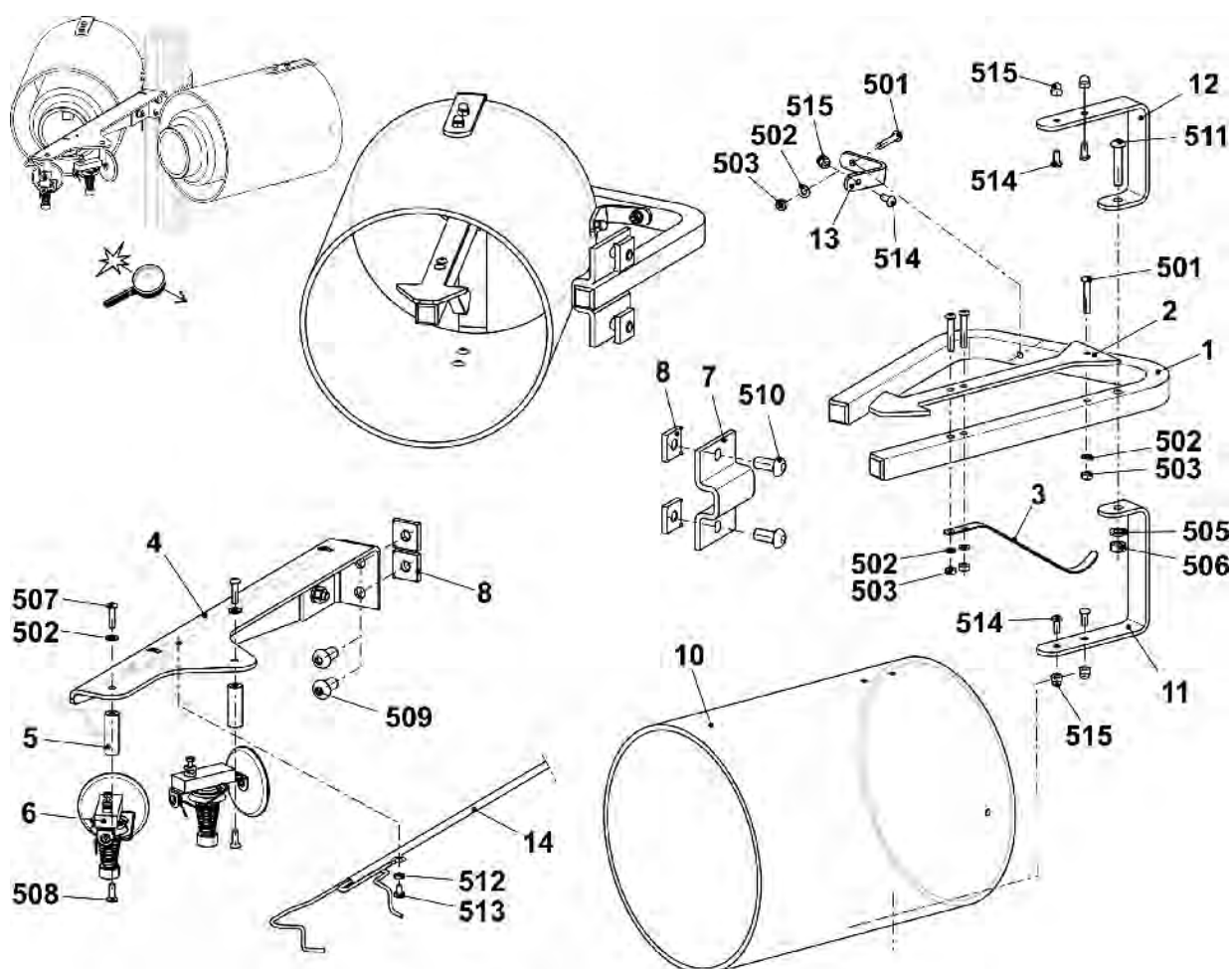
17.9 Storage feed wheel MSF-3

Pos	Designation	ID	Note
Σ	Storage feed wheel MSF-3 complete E10-18	265 604	Please order the MSF-3 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-3 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Assembly kit MSF-3 complete	259 575	
2	Support yarn brake 502 complete	260 727	
3	Stopping device on the right complete E10-18	265 599	



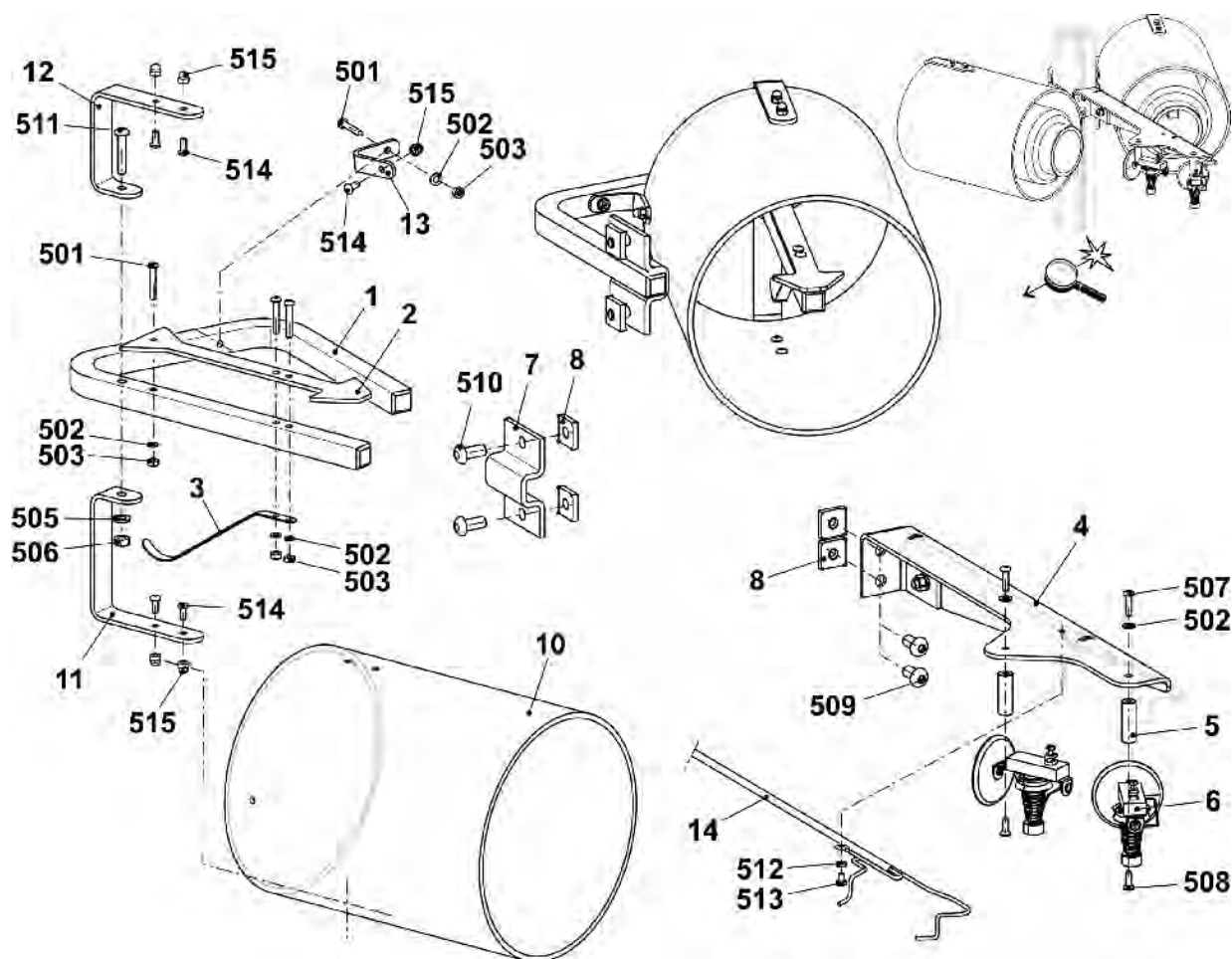
17.10 Bobbin holder on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan-head screw M4x25	023 511
1	Support	253 969	502	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screw M4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screw M8x16	023 113
8	Slot nut	228 851	510	Pan-head screw M8x18	251 331
10	Cover	253 968	511	Pan-head screw M6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screw M4x6	022 946
13	Holding angle	253 967	514	Pan-head screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



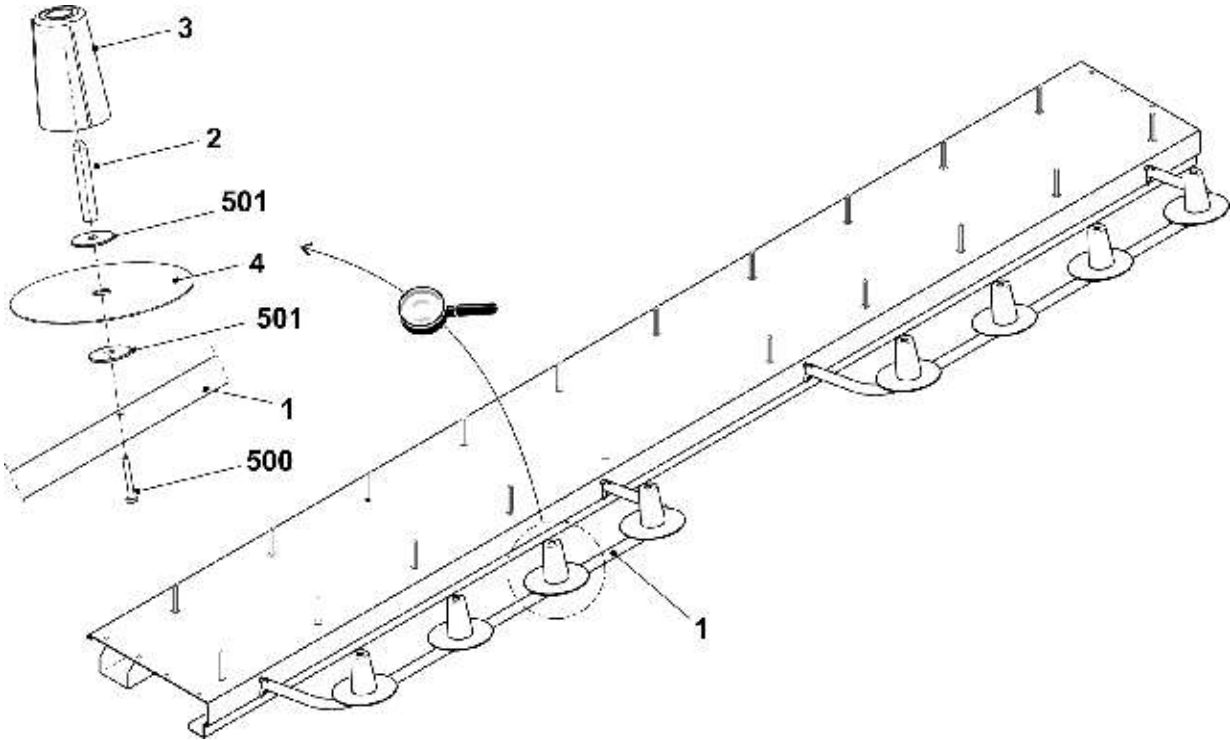
17.11 Bobbin holder on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan-head screw M4x25	023 511
1	Support	253 969	502	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screw M4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screw M8x16	023 113
8	Slot nut	228 851	510	Pan-head screw M8x18	251 331
10	Cover	253 968	511	Pan-head screw M6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screw M4x6	022 946
13	Holding angle	253 967	514	Pan-head screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



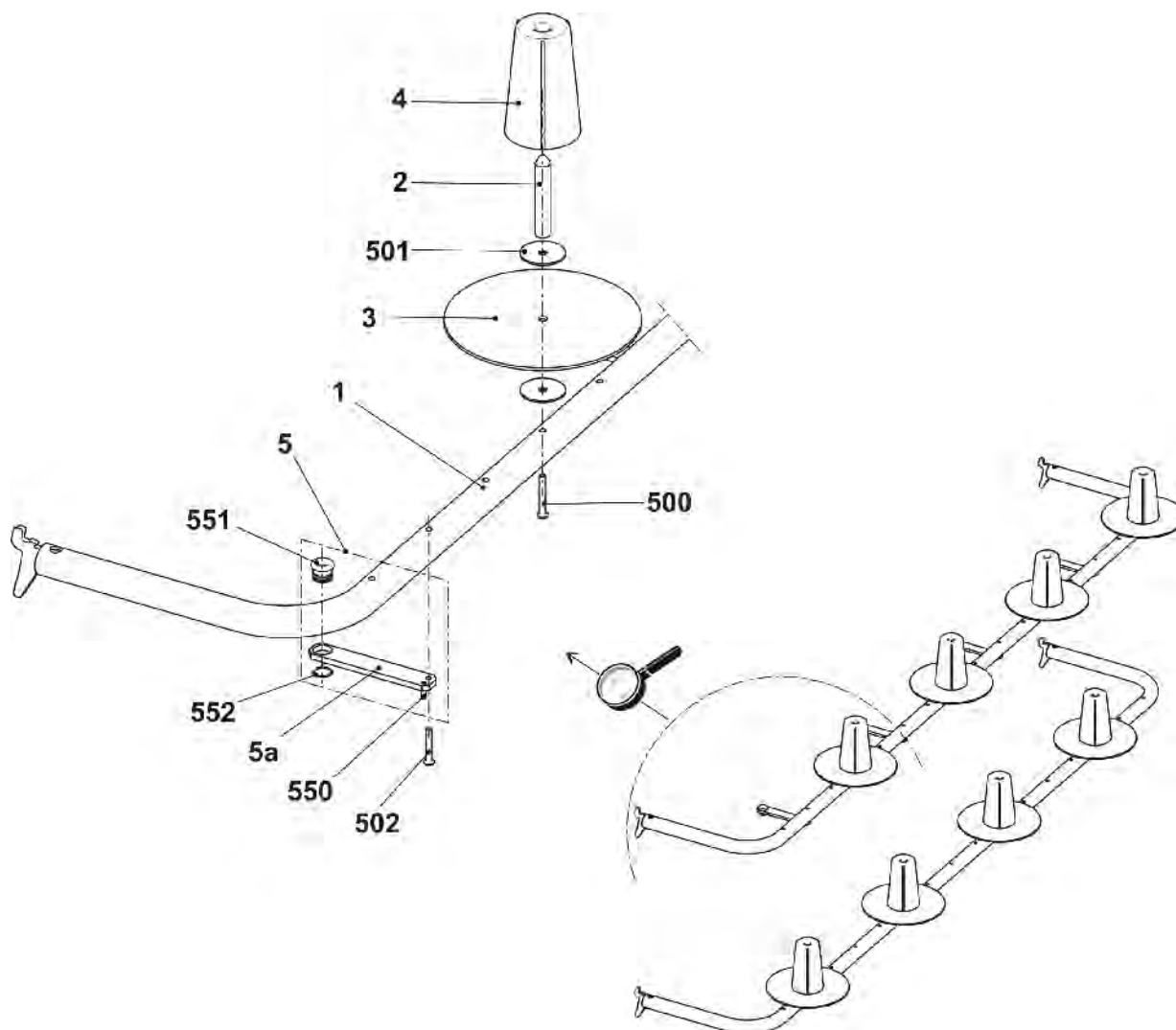
17.12 Additional bobbin board

Pos	Designation	Id	Pos	Designation	Id
Σ	Additional bobbin board	241 852			
1	Additional bobbin board welded	241 851	4	DiskD=130	062 385
2	Positioning pin	202 777	500	Pan-head screw M4x30	023 681
3	Bobbin support	200 363	501	Washer 5,3x30x1,25	023 556



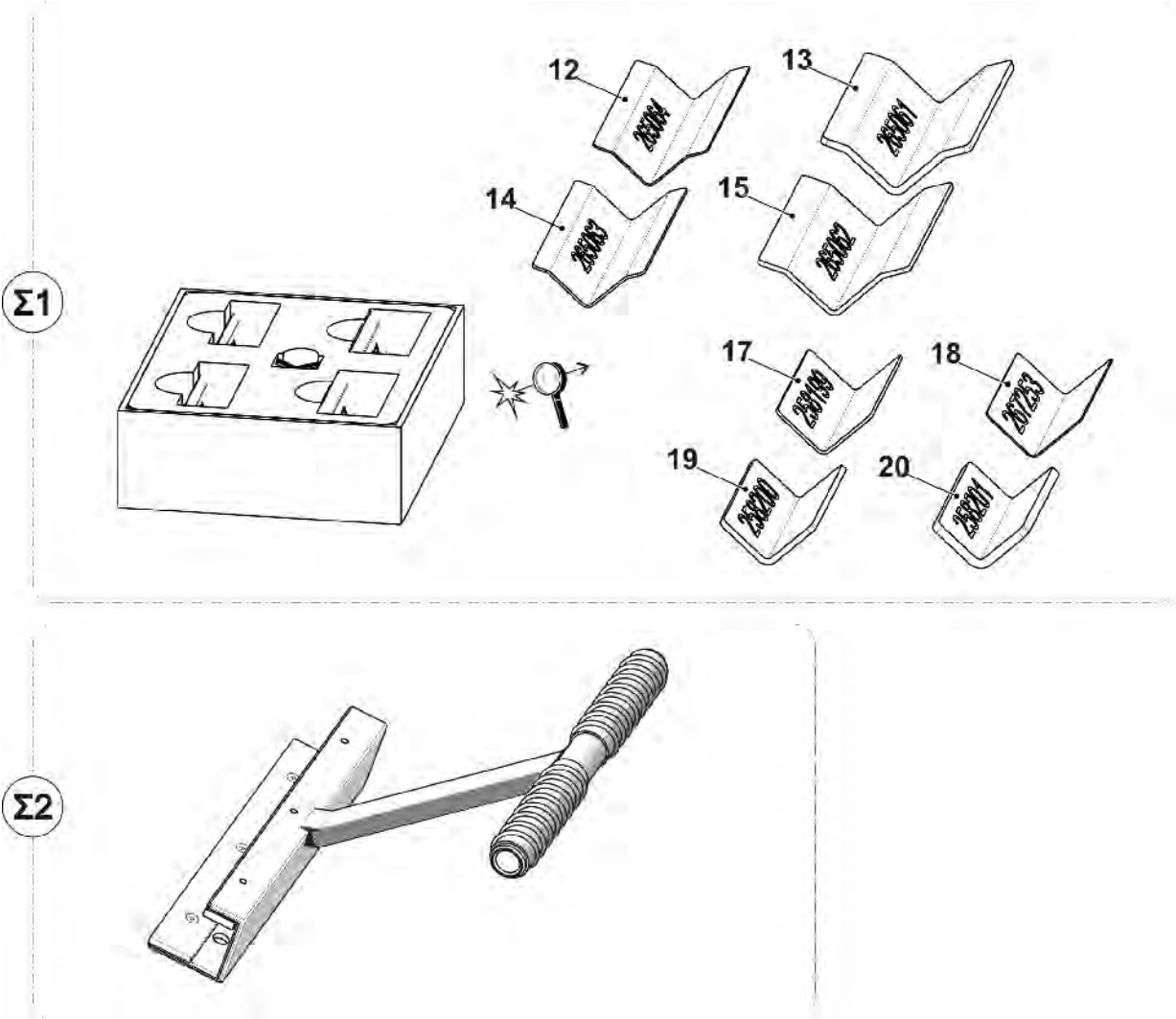
17.13 Additional bobbin board (top, bottom)

Pos	Designation	Id	Pos	Designation	Id
Σ	Additional bobbin board 50" IFF complete	244 424			
1	Additional bobbin board welded	243 608	5	550 Dowel pin 3x12	020 647
2	Positioning pin	202 777		551 Eyelet	021 504
3	DiskD=130	062 385		552 Snap ring A12	020 996
4	Bobbin support	200 363	500	Pan-head screw M4x35	266 663
5	Yarn guide	243 765	501	Washer 5,3x30x1,25	023 556
	5a Guide part	243 623	502	Pan-head screw M4x25	023 511



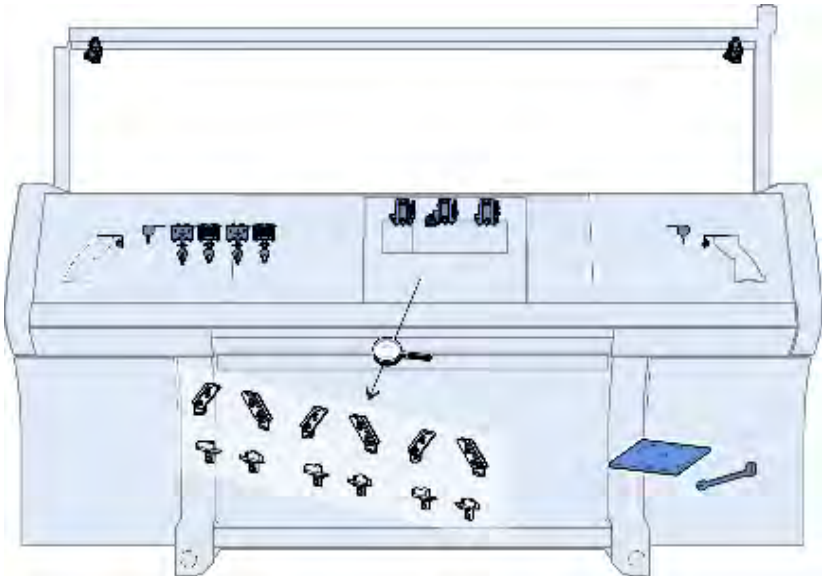
17.14 Adjusting plates, Device needle bed complete

Pos	Designation	Id	Pos	Designation	Id
Σ1	Yarn carrier adjusting plate set	266 736			
12	Adjusting plate	265 064	17	Adjusting plate V 0,25	267 253
13	Adjusting plate	265 061	18	Adjusting plate V 0,5	258 199
14	Adjusting plate	265 063	19	Adjusting plate V 1	258 200
15	Adjusting plate	265 062	20	Adjusting plate V 1,5	258 201
Σ2	Device needle bed complete	263 625			



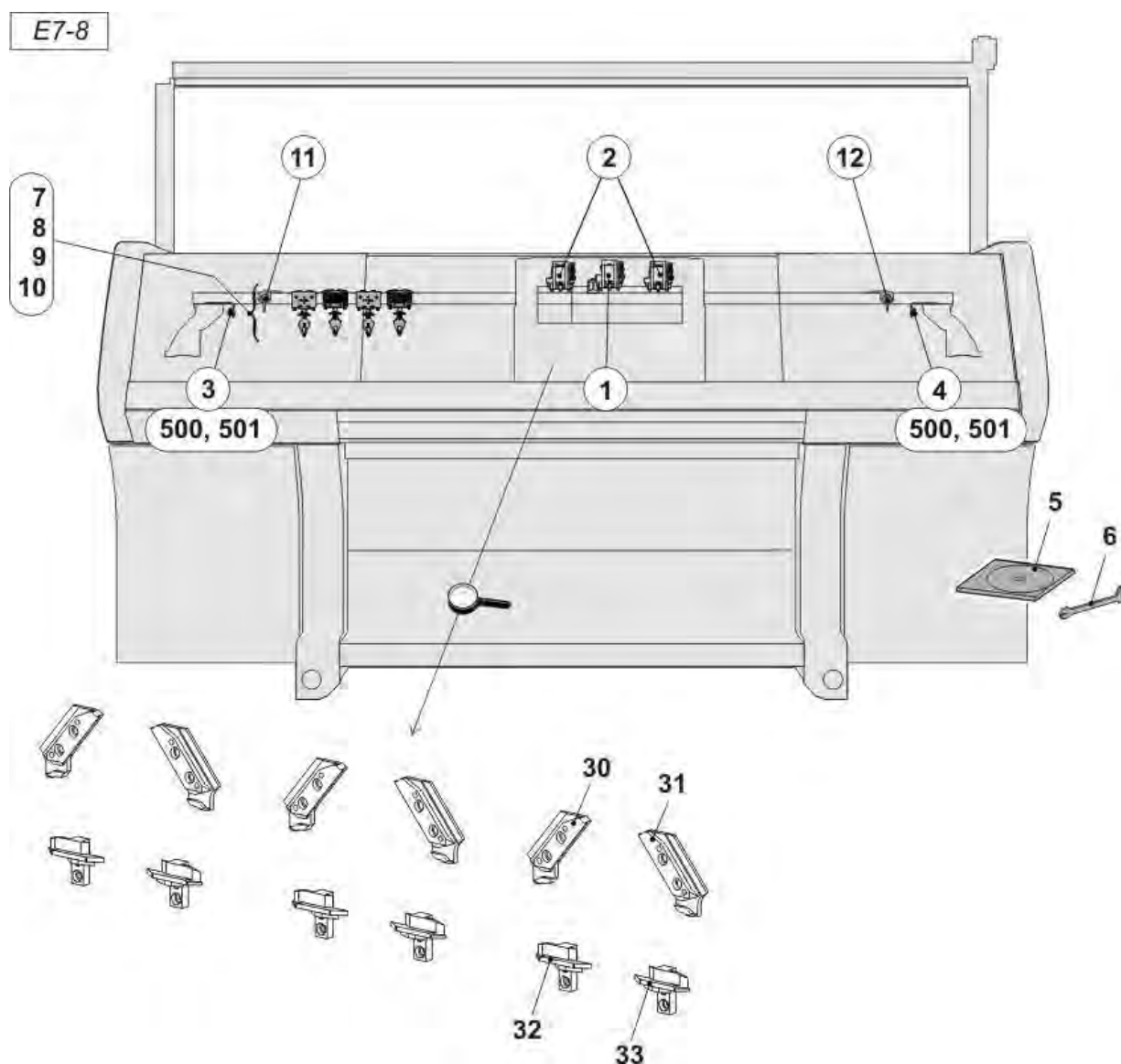
18 Conversion kit 24 IFF Type 2

	Designation	Gauge	ID
	Conversion kit 16 IFF Type 2	E7 E8	254 904
	Conversion kit 16 IFF Type 2	E10 E12 E14	254 905



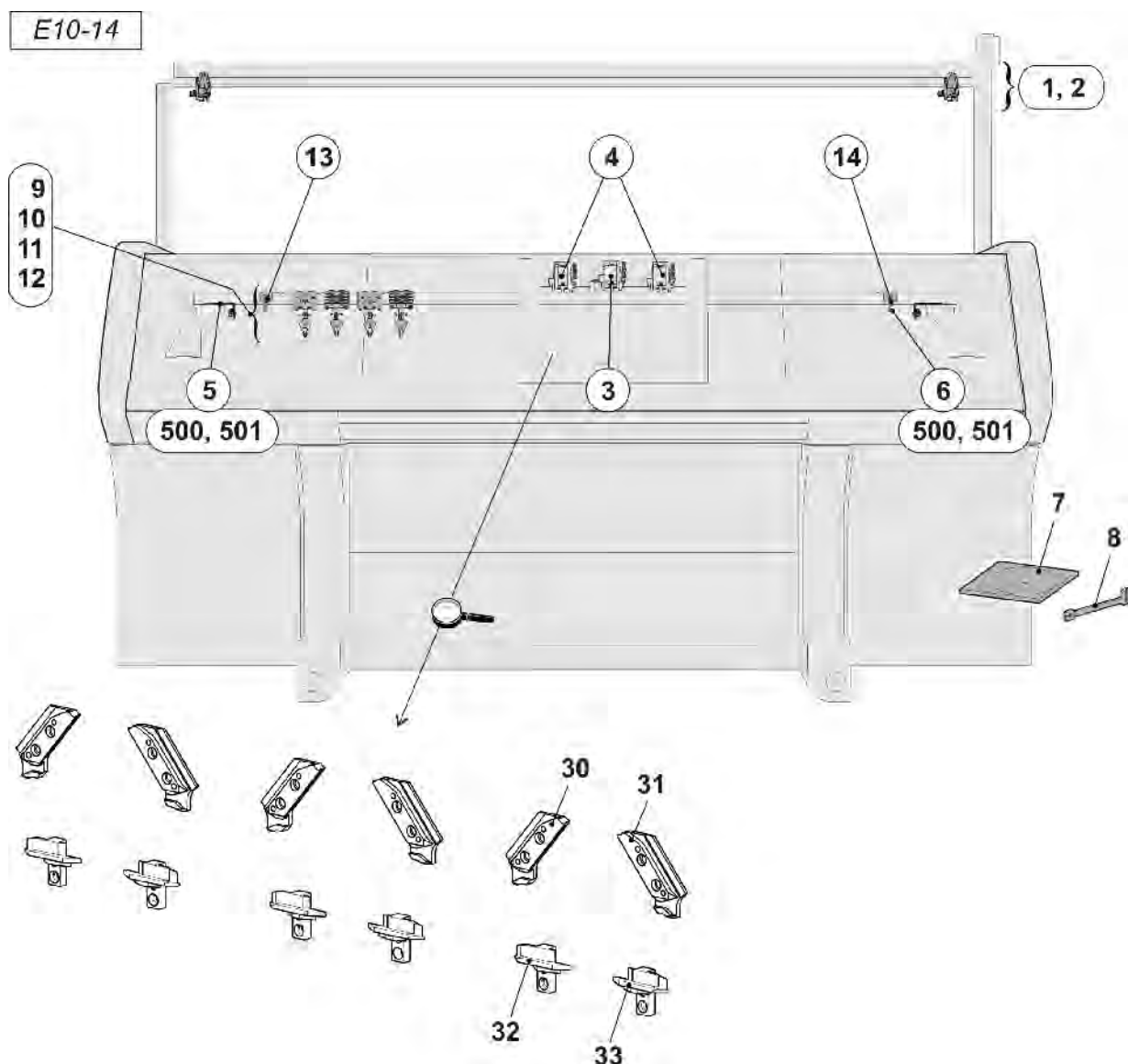
18.1 Overview of conversion kit E7 | E8

Pos	Designation	ID	Pos	Designation	ID
Σ	Conversion kit 16 IFF E7 E8	254 904			
1	Yarn carrier driving unit in the middle complete	245 298	10	IFF carriage complete4+5 E7-8	259 739
2	Yarn carrier driving unit outside complete	245 297	11	Limiter on the left with 2 eyelets	244 446
3	Yarn deflector on the left complete	244 517	12	Limiter on the right with 2 eyelets	244 445
4	Yarn deflector on the right complete	244 521	30	Stitch cam on the left short tuck	212 057
5	DVD instructions conversion kit IFF	245 169	31	Stitch cam on the right short tuck	212 056
6	Adjusting part for yarn carrier bow	250 119	32	Pressure cam receiving on the left short tuck	240 697
7	IFF carriage complete1+8 E7-8	259 736	33	Pressure cam receiving on the right short tuck	240 698
8	IFF carriage complete2+7 E7-8	259 737	500	Cap screw M6x14	022 658
9	IFF carriage complete3+6 E7-8	259 738	501	Washer 6	020 881



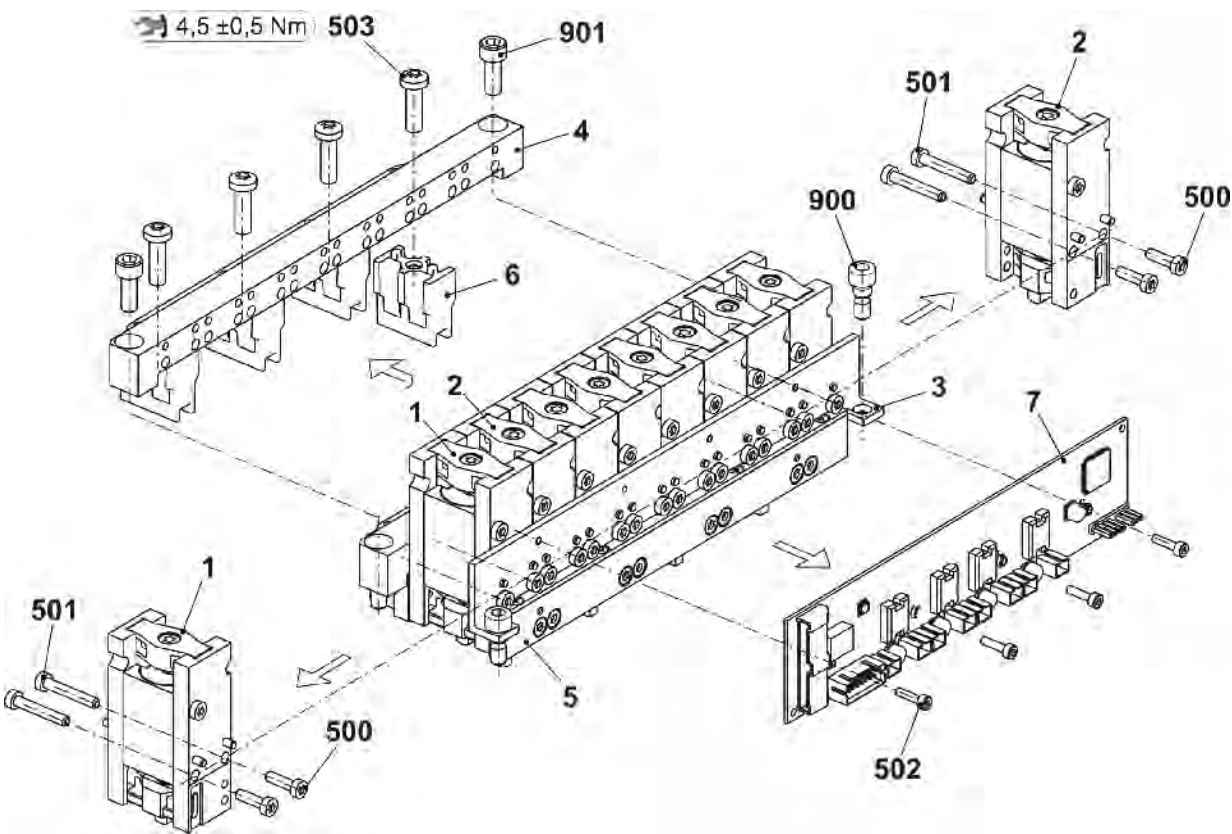
18.2 Overview of conversion kit E10 | E12 | E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Conversion kit 16 IFF E10 E12 E14	254 905			
1	Yarn control unit	237 124	11	IFF carriage complete3+6 E10-14	259 742
2	Yarn guide bracket complete	241 581	12	IFF carriage complete4+5 E10-14	259 743
3	Yarn carrier driving unit in the middle complete	245 298	13	Limiter on the left with 2 eyelets	244 446
4	Yarn carrier driving unit outside complete	245 297	14	Limiter on the right with 2 eyelets	244 445
5	Yarn deflector on the left complete	244 517	30	Stitch cam on the left short tuck	212 109
6	Yarn deflector on the right complete	244 521	31	Stitch cam on the right short tuck	212 108
7	DVD instructions conversion kit IFF	245 169	32	Pressure cam receiving on the left short tuck	240 697
8	Adjusting part for yarn carrier bow	250 119	33	Pressure cam receiving on the right short tuck	240 698
9	IFF carriage complete1+8 E10-14	259 740	500	Cap screw M6x14	022 658
10	IFF carriage complete2+7 E10-14	259 741	501	Washer 6	020 881



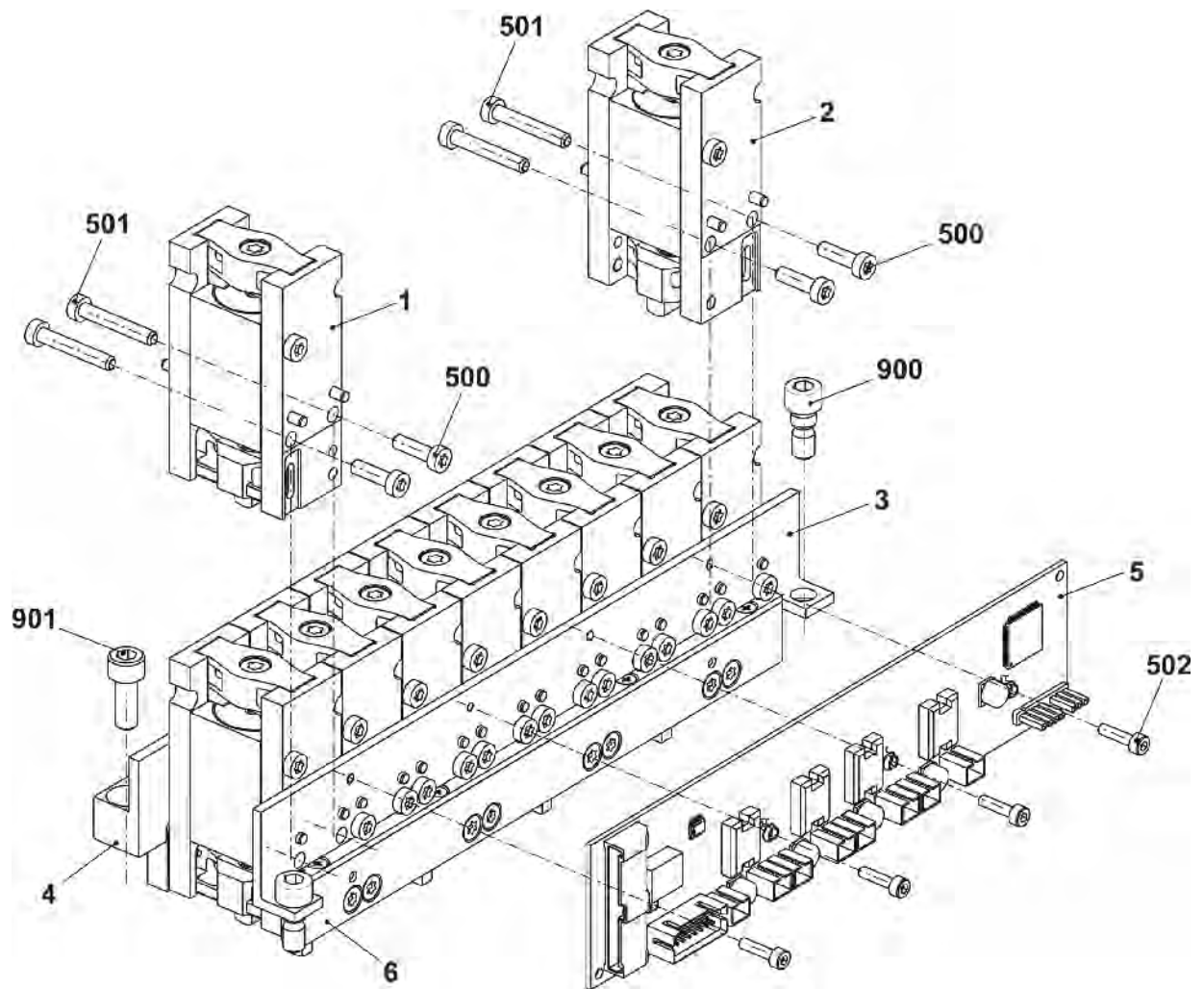
18.2.1 Driving in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	YC driving in the middle complete	245 298	7	Card yarn carrier final stagesOKC	300 960
1	Yarn carrier plunger on the right complete	243 080	500	Cap screw M4x14-I-Torx	242 279
2	Yarn carrier plunger on the left complete	243 118	501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313	502	Cap screw M3x12-12.9	022 648
4	Holding block in the middle	245 308	503	Screw KB60x20	243 625
5	Switch mechanism	251 137	900	Shoulder screw	231 899
6	Guide part	239 972	901	Cap screw M6x16	020 135



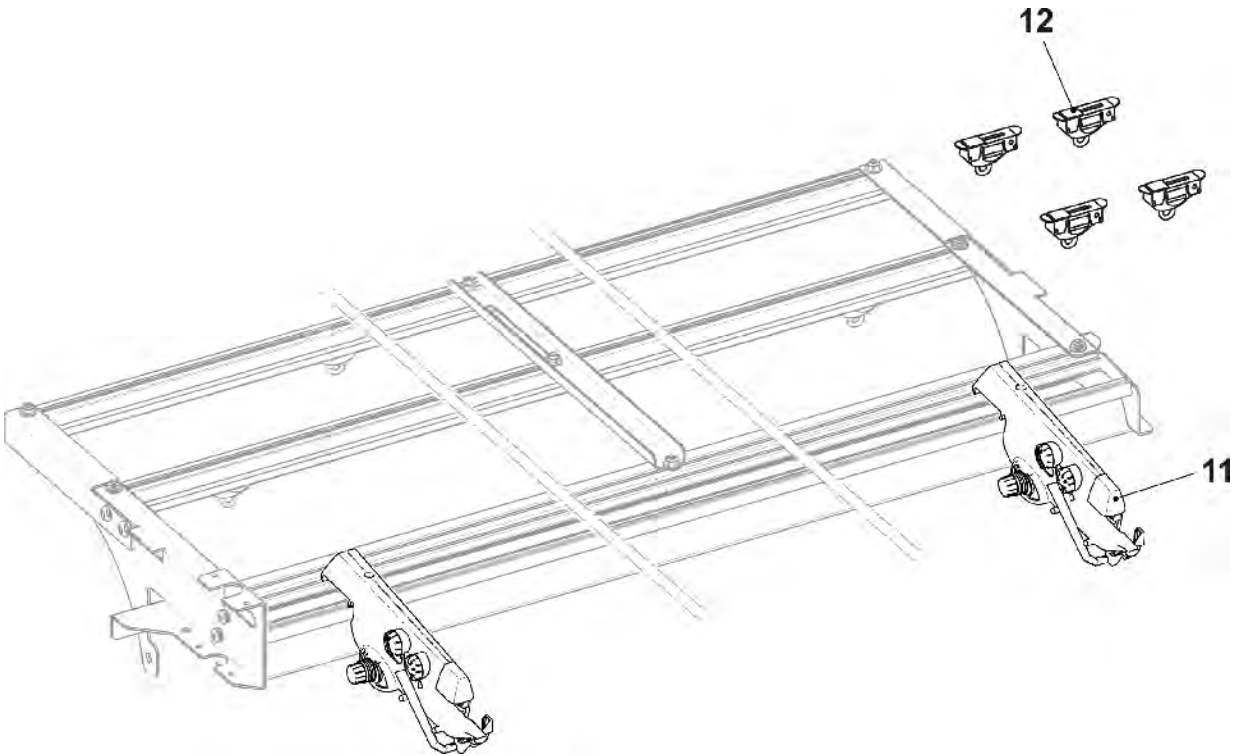
18.2.2 Driving at the outside

Pos	Designation	ID	Pos	Designation	ID
Σ	YC driving outside complete	245 297	6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080	500	Cap screw M4x14-I-Torx	242 279
2	Yarn carrier plunger on the left complete	243 118	501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313	502	Cap screw M3x12-12.9	022 648
4	Holding block outside	245 294	900	Shoulder screw	231 899
5	Card yarn carrier final stagesOKC	300 960	901	Cap screw M6x16	020 135



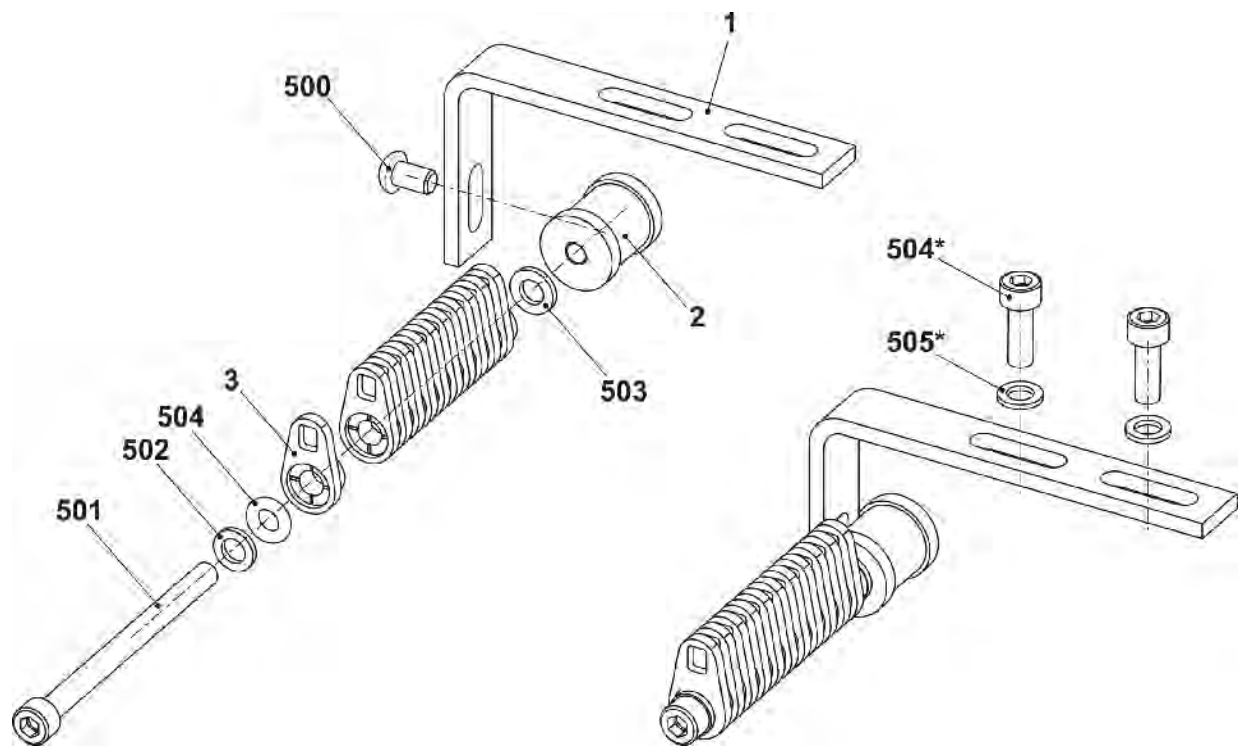
18.2.3 Parts for the yarn guide system

Pos	Designation	ID	Pos	Designation	ID
Σ	Parts for the yarn guide system with 4 FKE, E3				
11	Yarn control unit	237 124	12	Yarn guide bracket complete	241 581



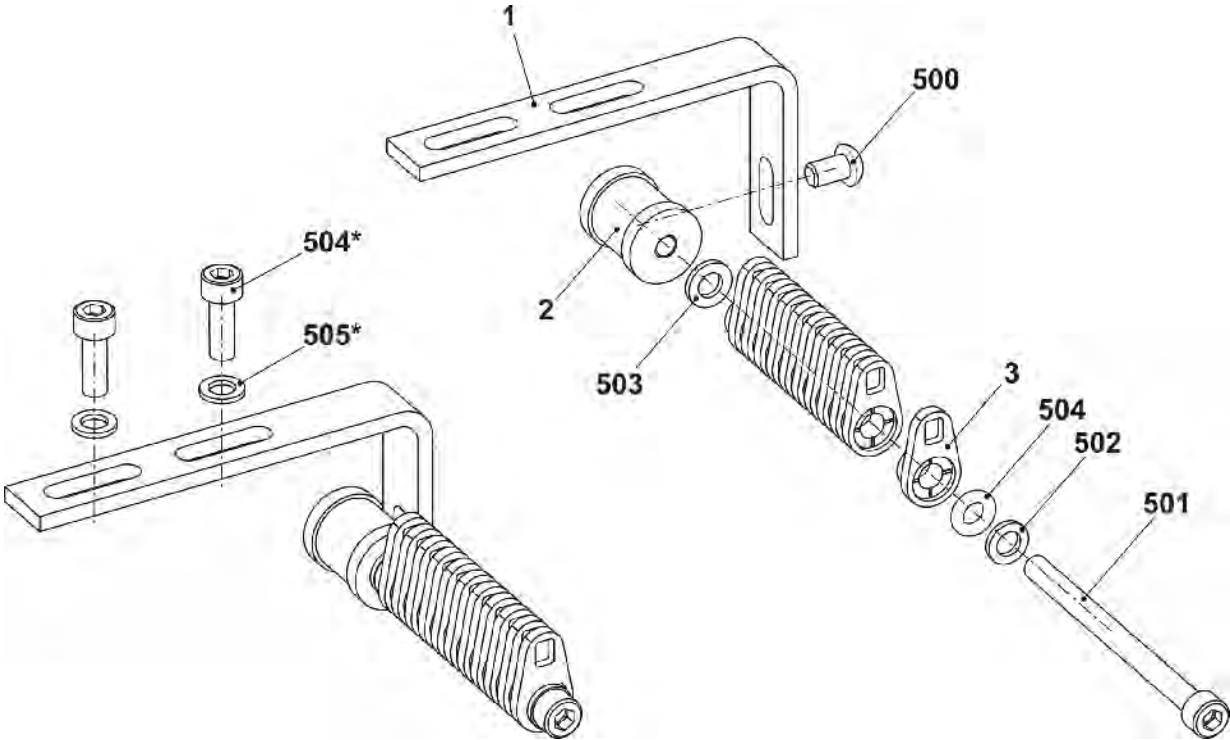
18.2.4 Yarn deflector on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the left complete	244 517			
1	Holding angle	244 516	502	Washer 6	020 881
2	Bolts	214 894	503	Washer 6	022 853
3	Yarn Carriers MH 6	200 127	504	O-ring 6x3	022 856
500	Pan-head screw M6x10	023 183	504*	Cap screw M6x14	022 658
501	Cap screw M6x80	023 064	505*	Washer 6	020 881



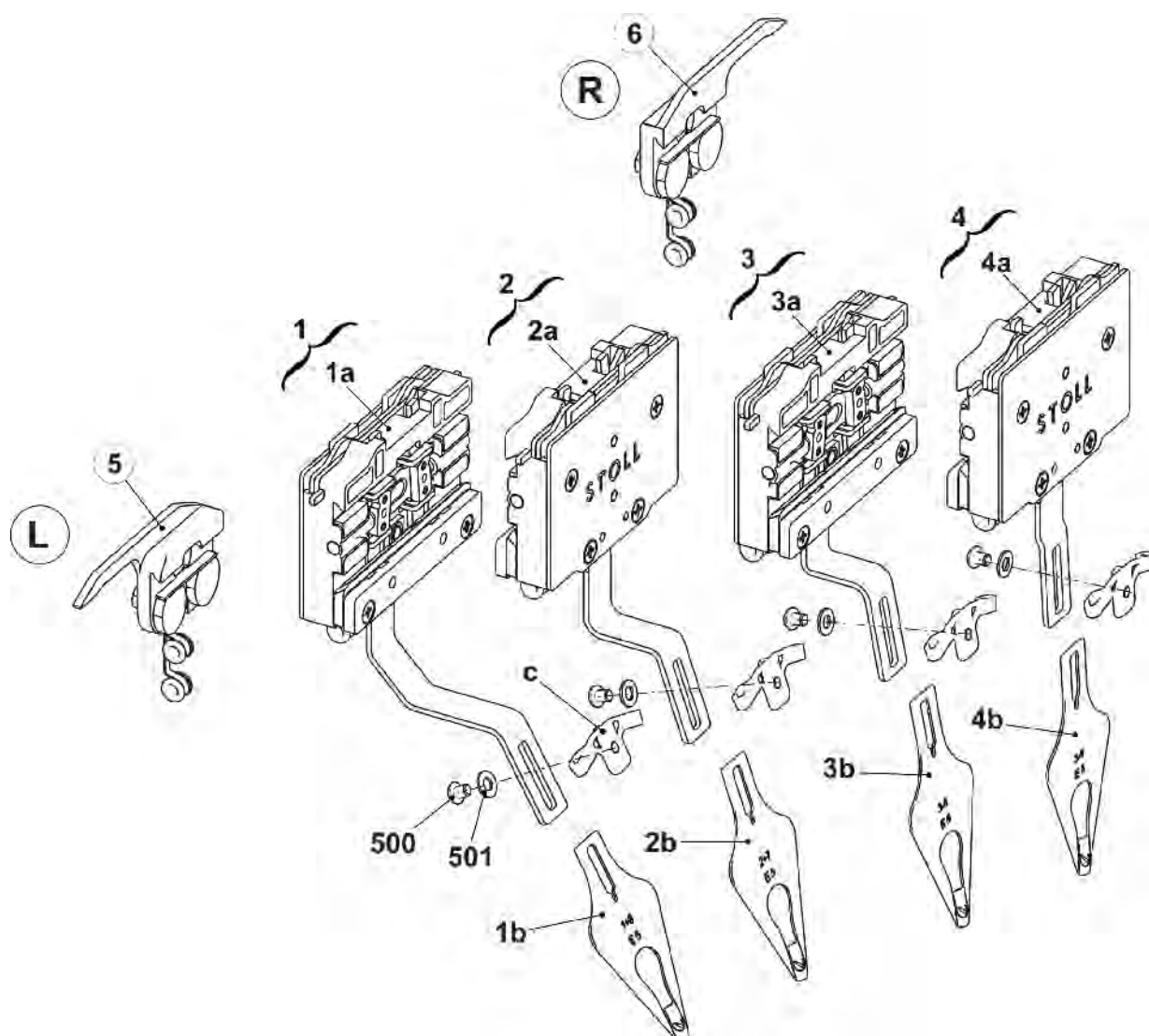
18.2.5 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	244 521			
1	Holding angle	244 516	502	Washer 6	020 881
2	Bolts	214 894	503	Washer 6	022 853
3	Yarn Carriers MH 6	200 127	504	O-ring 6x3	022 856
500	Pan-head screw M6x10	023 183	504*	Cap screw M6x14	022 658
501	Cap screw M6x80	023 064	505*	Washer 6	020 881



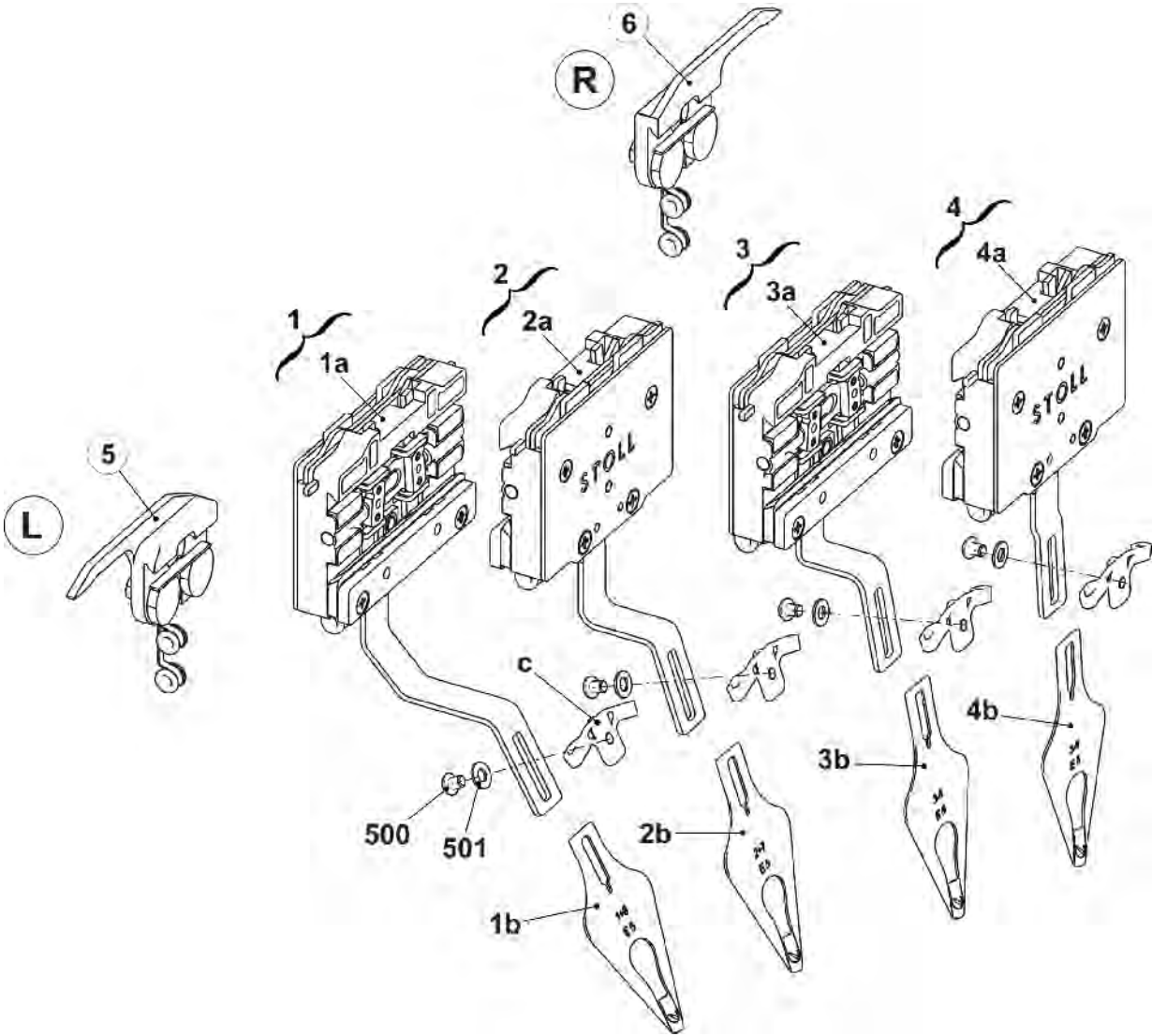
18.2.6 IFF carriage complete x+y E7 | 8

Pos	Designation	ID	Pos	Designation	ID
Σ	IFF carriage complete x+y E7 E8				
1	IFF carriage complete 1+8 E7-8	250 323	4	IFF carriage complete 4+5 E7-8	250 326
	1a IFF carriage 1+8	250 315		4a IFF carriage 4+5	250 318
	1b Yarn carrier head 1+8 complete E7-8	244 082		4b Yarn carrier head 3-6 complete E7-8	244 084
2	IFF carriage complete 2+7 E7-8	250 324	5	Limiter on the left with two eyelets	244 446
	2a IFF carriage 2+7	250 316	6	Limiter on the right with two eyelets	244 445
	2b Yarn carrier head 2+7 complete E7-8	244 083	C	Yarn guide angle	242 863
3	IFF carriage complete 3+6 E7-8	250 325	500	Pan-head screw M4x5	239 549
	3a IFF carriage 3+6	250 317	501	Washer 4	020 870
	3b Yarn carrier head 3-6 complete E7-8	244 084			



18.2.7 IFF carriage complete x+y E10 | E12 | 14

Pos	Designation	ID	Pos	Designation	ID
Σ	IFF carriage complete x+y E10 E12 E14				
1	IFF carriage complete 1+8 E10-14	250 327	4	IFF carriage complete 4+5 E10-14	250 330
	1a IFF carriage 1+8	250 315		4a IFF carriage E10-14	250 318
	1b Yarn carrier head 1+8 complete E10-14	250 008		4b Yarn carrier head 3-6 complete E10-14	250 010
2	IFF carriage complete 2+7 E10-14	250 328	5	Limiter on the left with two eyelets	244 446
	2a IFF carriage 2+7	250 316	6	Limiter on the right with two eyelets	244 445
	2b Yarn carrier head 2+7 complete E10-14	250 009	C	Yarn guide angle	242 863
3	IFF carriage complete 3+6 E10-14	250 329	500	Pan-head screw M4x5	239 549
	3a IFF carriage 3+6	250 317	501	Washer 4	020 870
	3b Yarn carrier head 3-6 complete E10-14	250 010			



18.2.8 Limiter on the left and right

Pos	Designation	ID	Pos	Designation	ID
L	Limiter on the left with two eyelets	244 446	R	Limiter on the right with two eyelets	244 445
1L	Limiter on the left complete	244 099	1R	Limiter on the right complete	244 098
500	Eyelet holder complete 3,7x35,6 twin hole	022 324	500	Eyelet holder complete 3,7x35,6 twin hole	022 324
501	Eyelet holder complete 3,7x20 twin hole	022 323	501	Eyelet holder complete 3,7x20 twin hole	022 323
502	Eyelet 4,2 tension arm alumina 98%	021 499	502	Eyelet 4,2 tension arm alumina 98%	021 499
503	Cap screw M3.5x4	020 011	503	Cap screw M3.5x4	020 011
900	Slider	209 184	900	Slider	209 184

