

STOLL

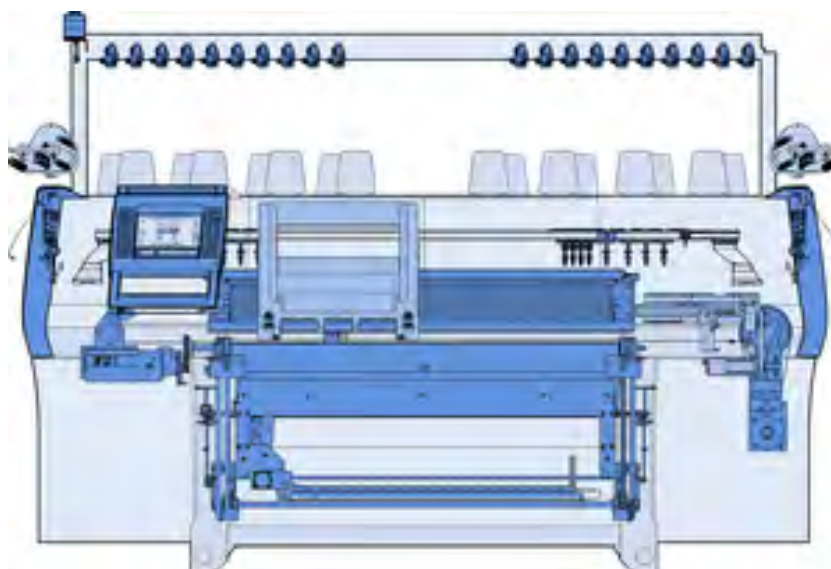
THE RIGHT WAY TO KNIT

Spare-parts catalog

CMS 530T (Type 587)

Component type 002

E7 | E8 | E10 | E12 | E14 | E7.2 mg



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Issue 03/2012

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1 Introduction

Imprint

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Our products are being developed further continuously. They are therefore subject to technical modifications.

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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
Σ	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-hand side or view.
	Indicates the right-hand side or view.
	Indicates a section or a view in the viewing direction.

1.2 Torques

Drehmomente Torques Couples Coppias Momentos de rotación		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
[Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filatto 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	

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-grooving threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

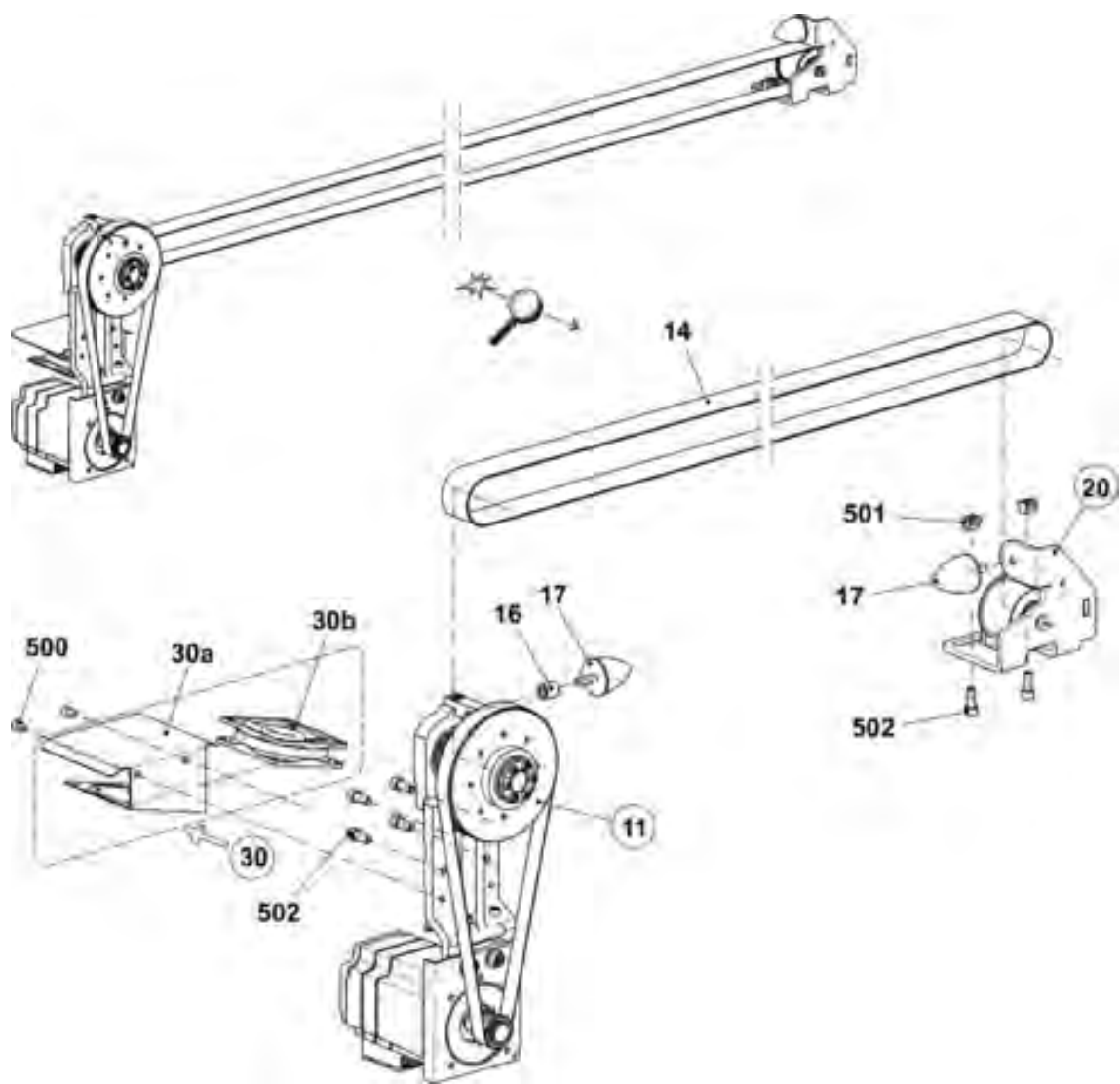
Notes:

2 Carriage drive



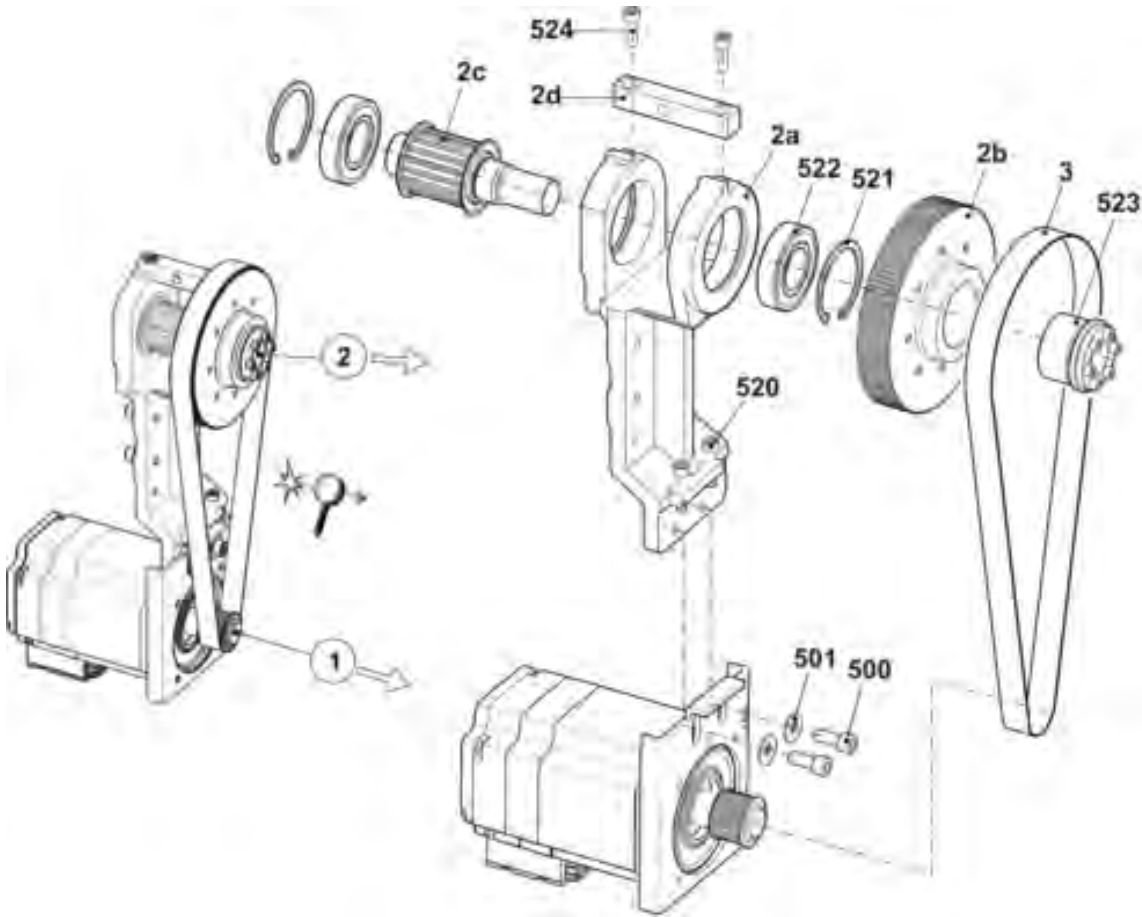
2.1 Drive

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

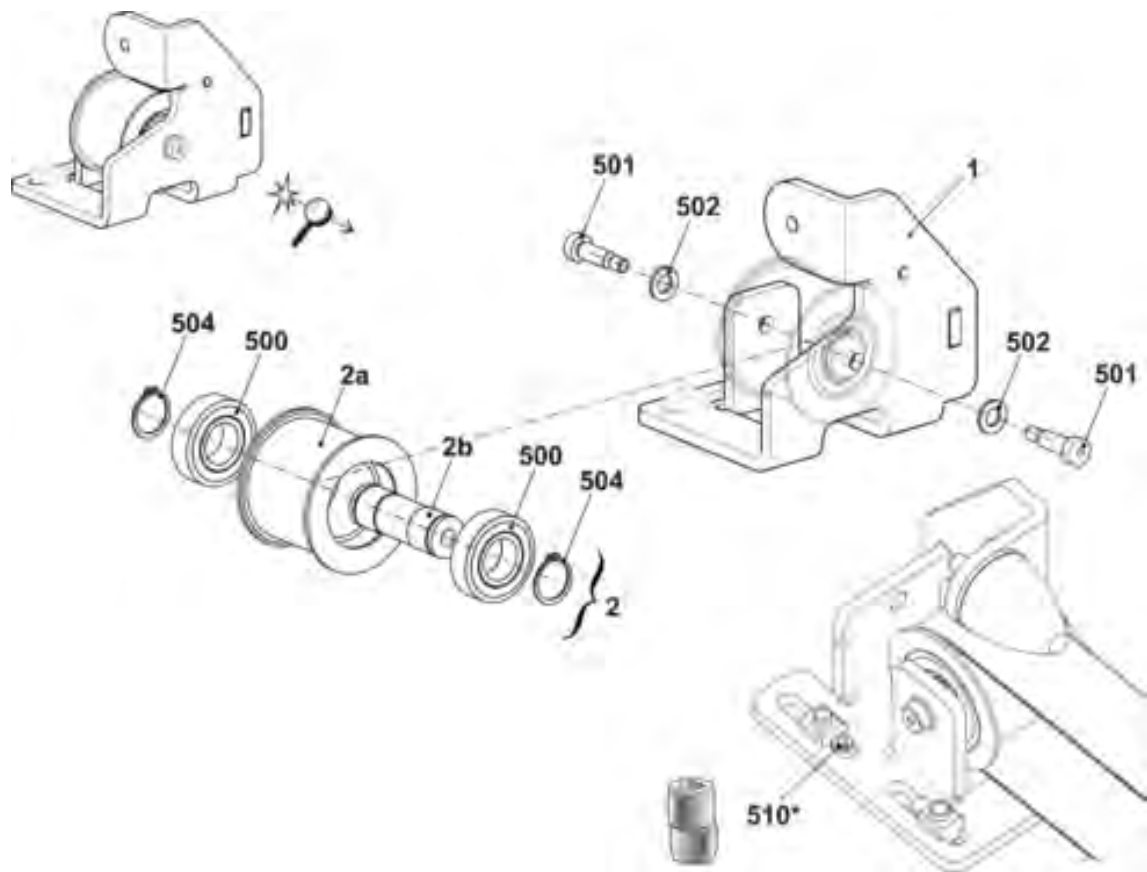
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit complete	240 743				
1	Drive unit	256 301		521	Locking ring68x2.5	022 914
2	Drive bearing	255 005		522	Grooved ball bearing 6207-2RS	022 915
	2a	Drive bearing ECO2		523	Tension set 30X55	023 208
	2b	Toothed belt pulley		524	Cap screw M8X25 12.9	020 142
	2c	Pinion57 AT10 18		3	Toothed belt250 HP-S5M 1050 NG	240 628
	2d	Support of buffer		500	Cap screw M10X25	020 157
	520	Cap screw M8X35		501	Disk10,5X25X2,5	022 178



2.1 Drive

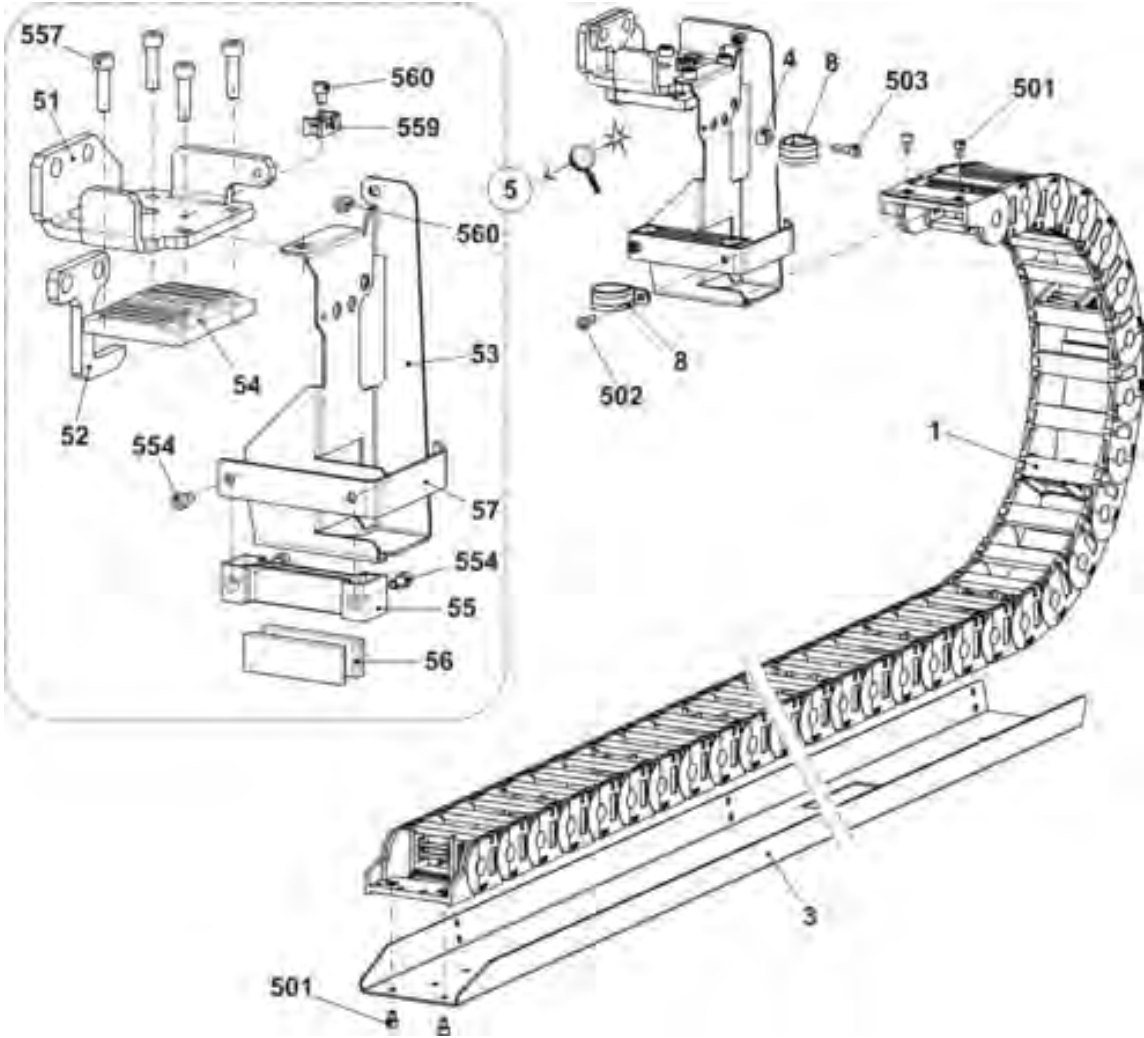
2.1.2 Tension bearing

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension bearing complete	251 581		500	Grooved ball bearing 6305-2RS	255 686
1	Tension bearing	251 560		501	Cap screw M10x25	023 751
2	Axle	251 579		502	Washer	020 874
3	Tension roller	255 684		504	Locking ring25x1,2	251 617



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	259 275	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



2.2 Energy chain and plunger

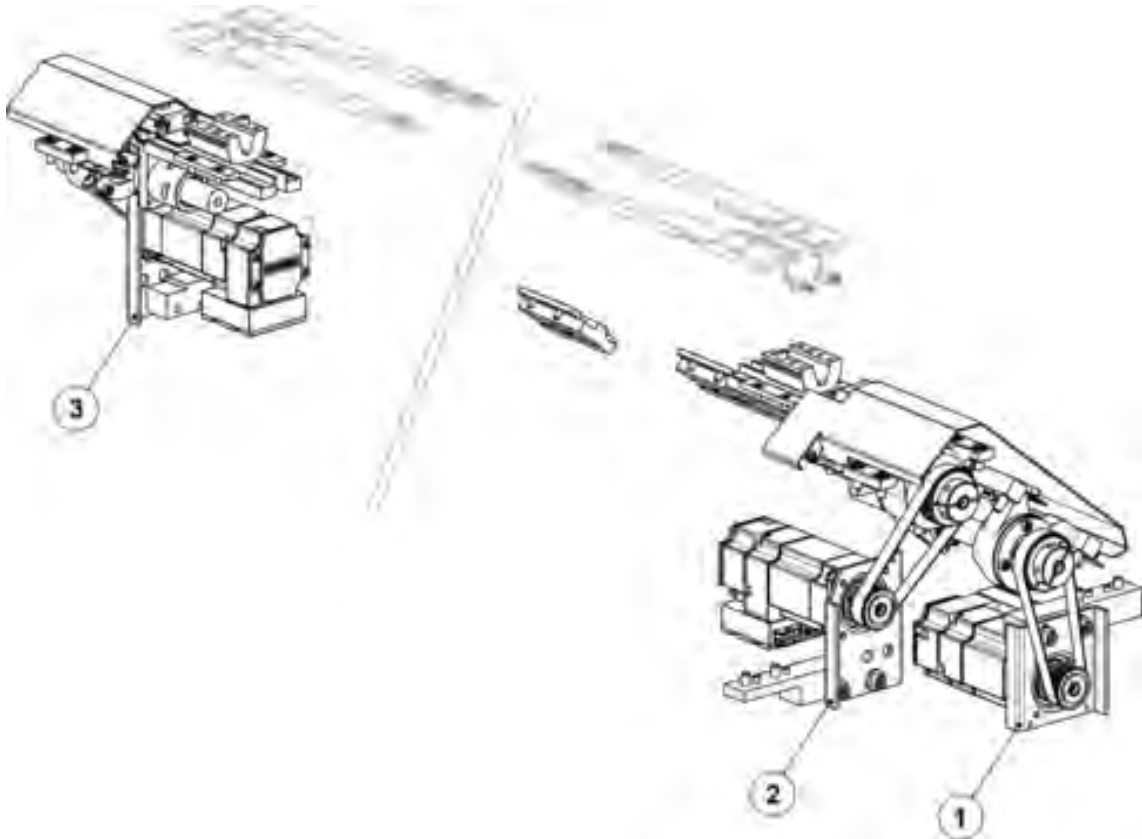
Notes:

3 Racking needle bed and additional bed



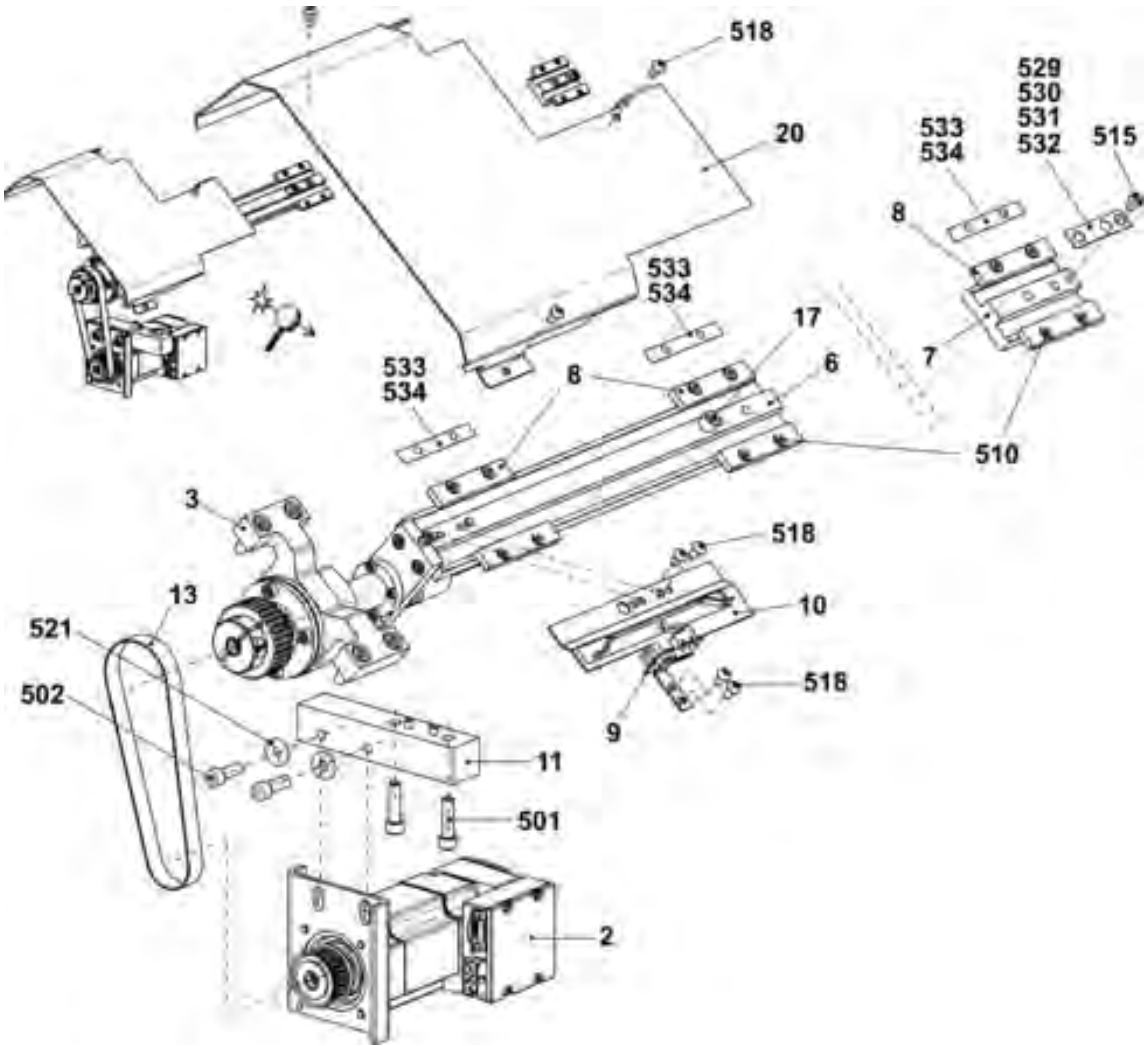
3.1 Racking needle bed and additional bed

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



3.1.1 Needle bed racking

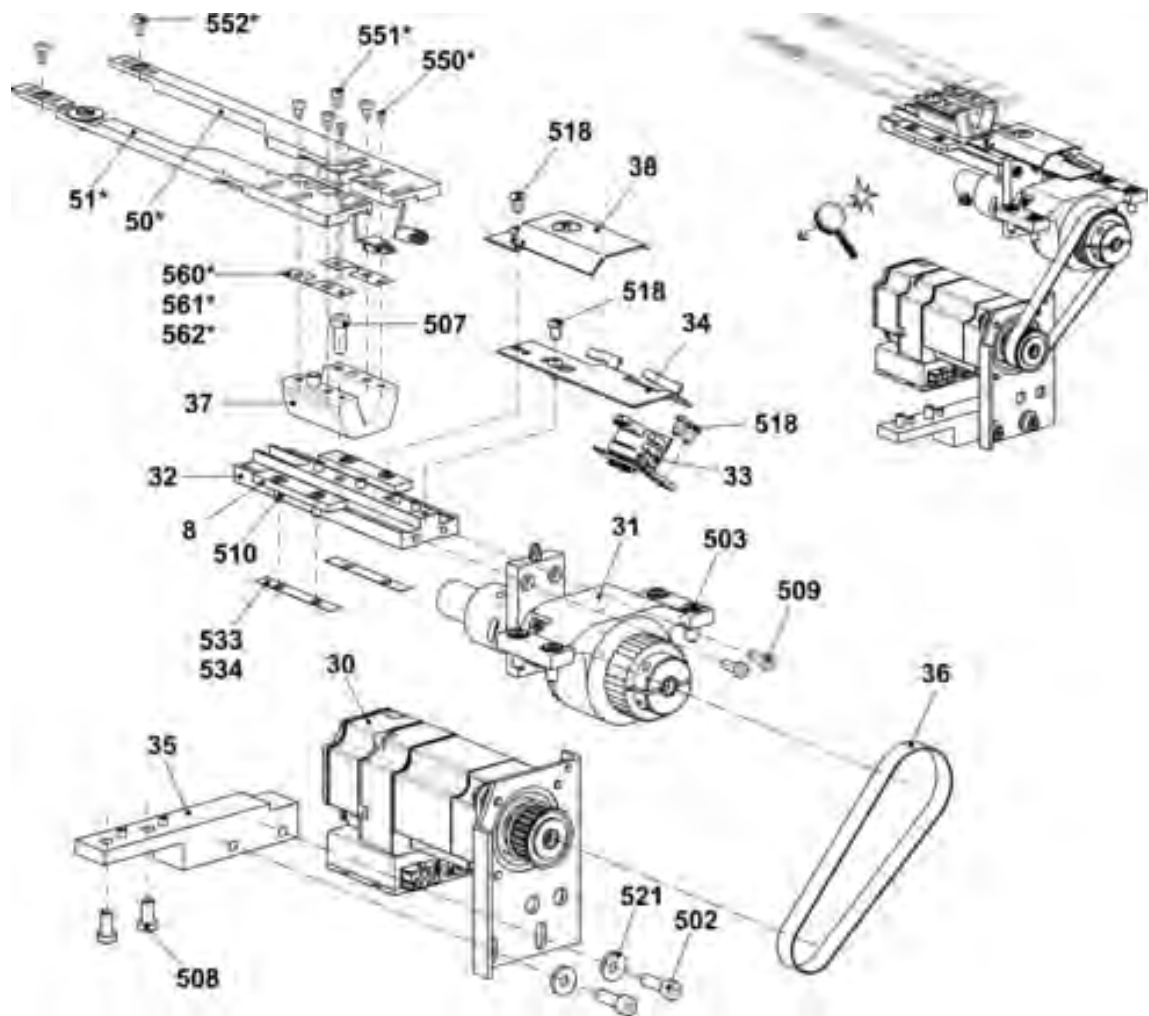
Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed racking		501	Cap screw M8x30	020 143
2	Three-phase AC servo motor racking complete	241 454	502	Cap screw M8x25	020 142
3	Spindle bearing	253 262	510	Cap screw M6x12	022 795
6	Racking strip	241 853	515	Cap screw M6x8	020 044
7	Racking strip on the left	219 648	518	Pan-head screw M6x10	023 183
8	Guide strip	206 382	521	Washer8,4x20x3	022 175
9	Card racking limit switch	229 396	529	Shim0,03x15x63	023 482
10	Switch plate	240 722	530	Shim0,05x15x63	023 483
11	Bearing	227 605	531	Shim0,1x15x63	023 484
13	Toothed belt150 S 5M 425	229 280	532	Shim 0,2x15x63	023 485
17	Stop screw	222 645	533	Shim0,03x11x80	023 286
20	Cover plate racking	243 203	534	Shim0,05x11x80	023 287



3.1 Racking needle bed and additional bed

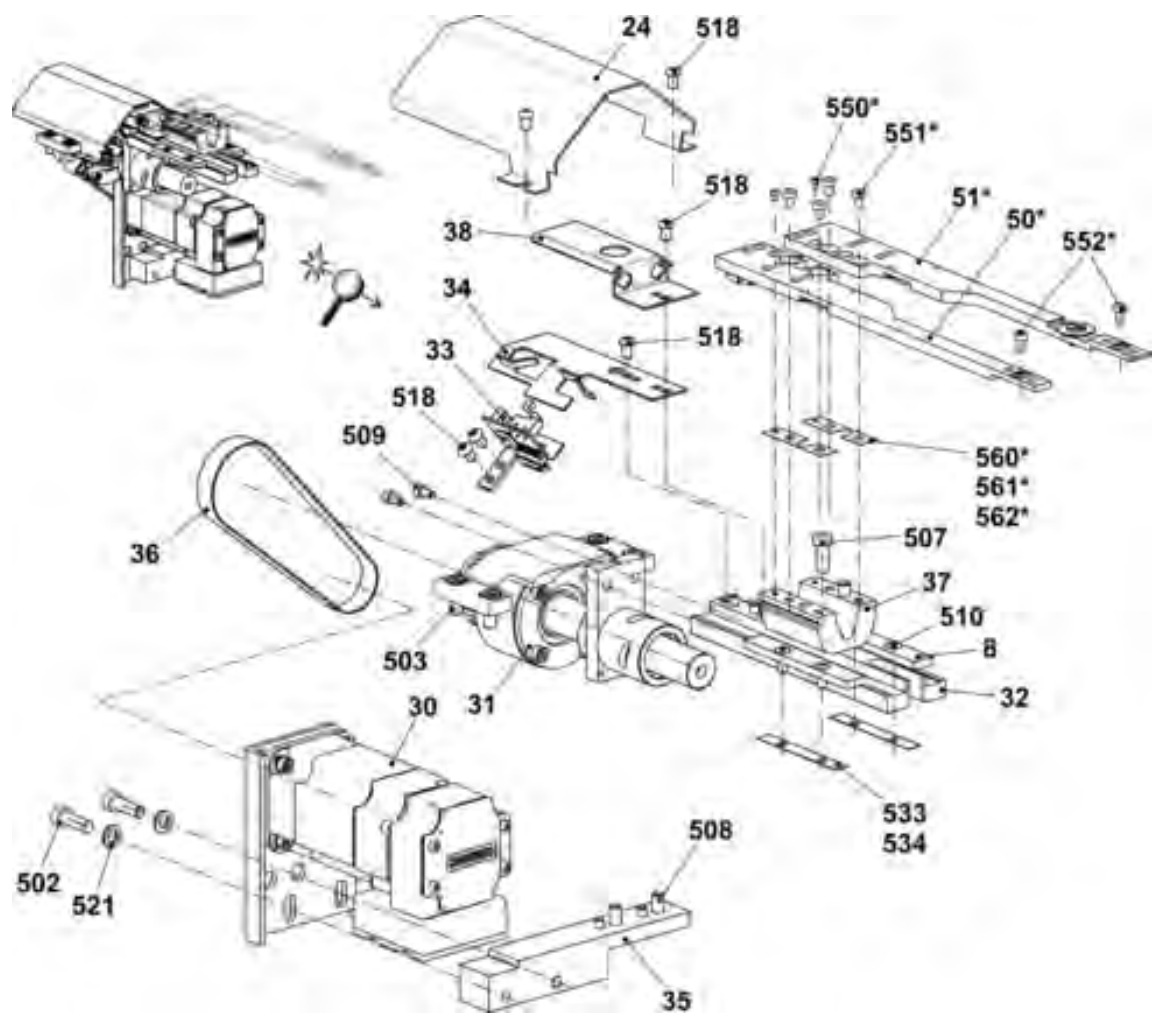
3.1.2 Additional needle bed racking on the right

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional needle bed racking on the right					
8	Guide strip	206 382		509	Cap screw M6x16	023 116
30	Three-phase AC servo motor racking complete	242 731		510	Cap screw M6x12	022 795
31	Spindle bearing	243 206		518	Pan-head screw M6x10	023 183
32	Racking stripZB 530 T	243 198		521	Washer8,4x20x3	022 175
33	Card racking limit switchTC-R	232 300		533	Shim0,03x11x80	023 286
34	Switch plateZB	242 908		534	Shim0,05x11x80	023 287
35	Bearing	243 599		560*	Shim0,05x60x15	023 479
36	Toothed belt150 S5M 410	244 254		561*	Shim0,10x60x15	023 480
37	Plunger additional needle bed	243 197		562*	Shim0,20x60x15	023 481
38	Sheet metal for plug	242 909		50*	Connection at the rear on the right complete	243 200
502	Cap screw M8x25	020 142		51*	Connection at the front on the right complete	243 199
503	Cap screw M8x16	023 629		550*	Cap screw M4x6	020 019
507	Cap screw M8x20	023 621		551*	Cap screw M6x8	023 532
508	Cap screw M8x16	023 144		552*	Cap screw M6x10	022 773



3.1.3 Additional needle bed racking on the left

Pos	Designation	ID		Pos	Designation	ID
Σ	Racking needle bed on the left			508	Cap screw M8x16	023 144
8	Guide strip	206 382		509	Cap screw M6x16	023 116
24	Cover plate racking	244 435		510	Cap screw M6x12	022 795
30	Three-phase AC servo motor racking complete	242 731		518	Pan-head screw M6x10	023 183
31	Spindle bearing	243 206		521	Washer8,4x20x3	022 175
32	Racking stripZB 530 T	243 198		533	Shim0,03x11x80	023 286
33	Card racking limit switchTC-R	232 300		534	Shim0,05x11x80	023 287
34	Switch plateZB	242 908		560*	Shim0,05x60x15	023 479
35	Bearing	243 599		561*	Shim0,10x60x15	023 480
36	Toothed belt150 S5M 410	244 254		562*	Shim0,20x60x15	023 481
37	Plunger additional needle bed	243 197		50*	Connection at the front on the left complete	243 200
38	Sheet metal for plug	242 909		51*	Connection at the rear on the left complete	243 199
502	Cap screw M8x25	020 142		550*	Cap screw M4x6	020 019
503	Cap screw M8x16	023 629		551*	Cap screw M6x8	023 532
507	Cap screw M8x20	023 621		552*	Cap screw M6x10	022 773



3.1 Racking needle bed and additional bed

Notes:

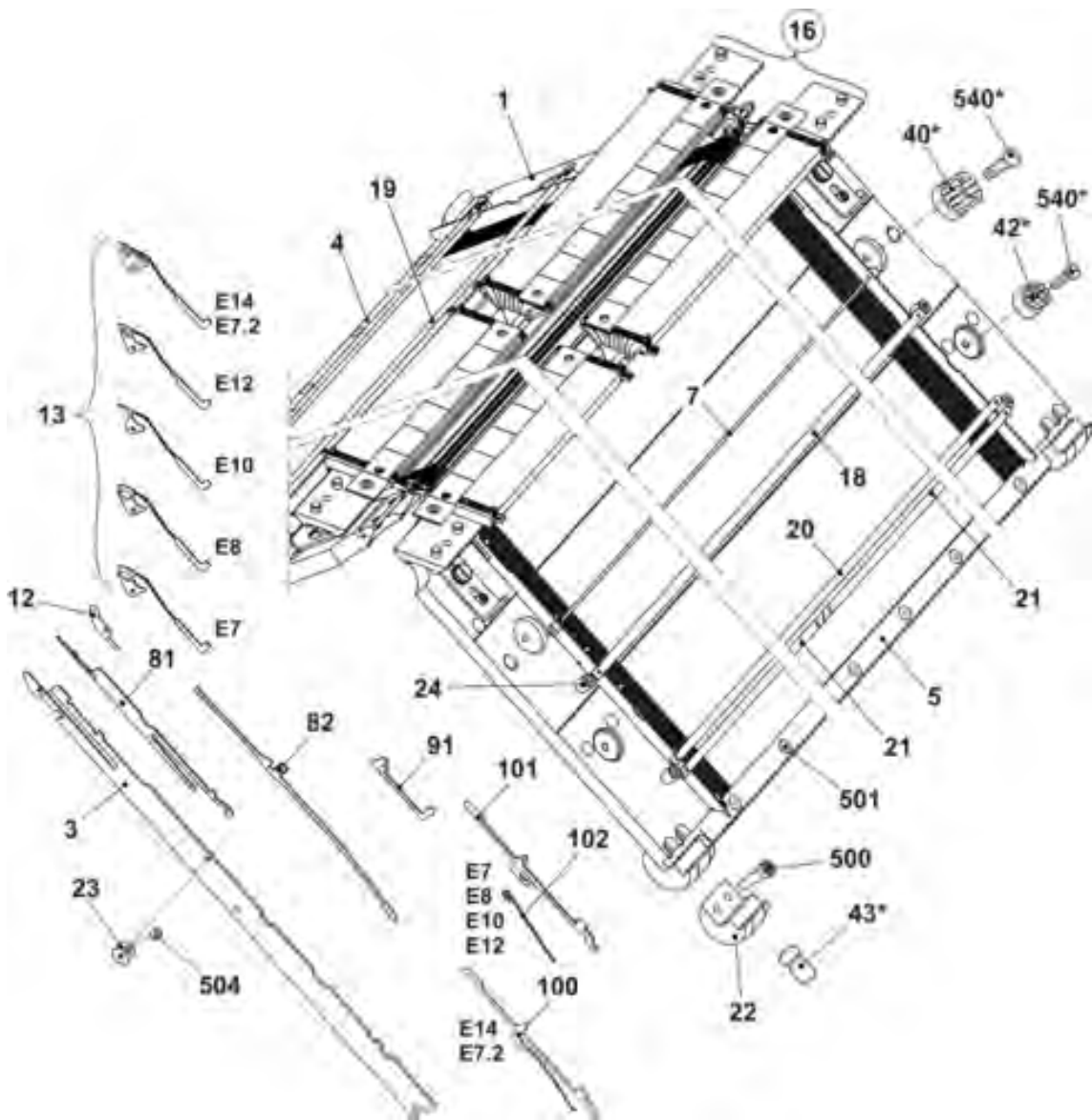
4 Needle beds



4.1 Needle bed E7

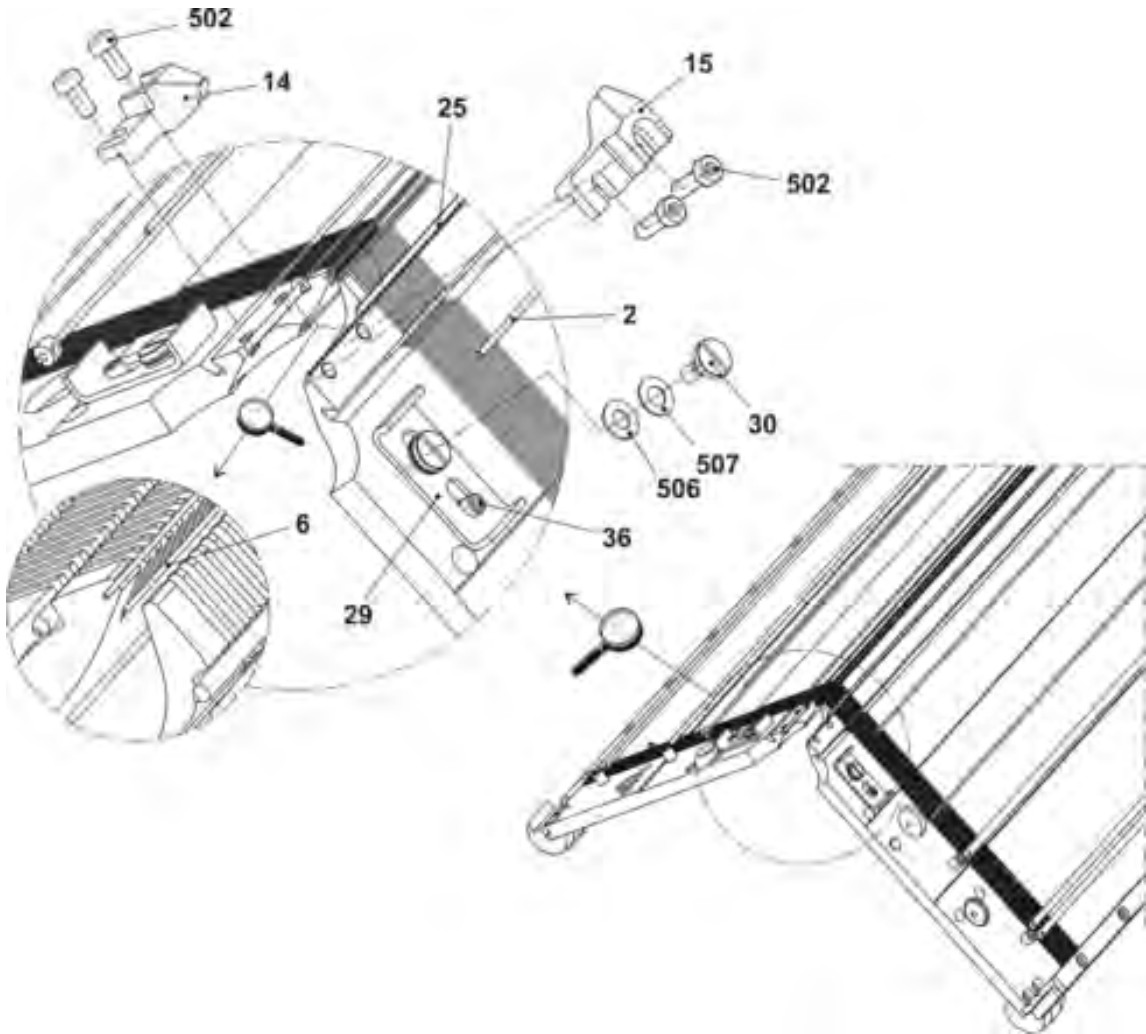
4.1 Needle bed E7

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front + rearE7	243 239	18	Cover rail at the rear	213 981
1	Needle bed at the front + rearE7	219 427	19	Cover rail at the front E7	214 034
3	Main trick wall E7	219 147	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
81	Needle E7 with round hook	205 397	24	Stop screw	214 039
82	Coupling part E5-8	253 381	500	Cap screw M6x14	022 658
91	Intermediate slider with brake E5-8	237 323	501	Cap screw M5x8	023 379
101	Selection jack E4-8	235 765	504	Setscrew M3,5x3	020 512
102	Selector spring E4-8	200 690	40*	Disk brush	235 612
12	Knock-over bit E7	219 168	42*	Disk brush	202 600
13	Holding-down jack breastE7	226 145	43*	Adjusting bolt	240 765
16	Additional needle bed complete E7	243 213	540*	Cap screw M5x12	020 032



4.1.1 Continuation needle bed E7

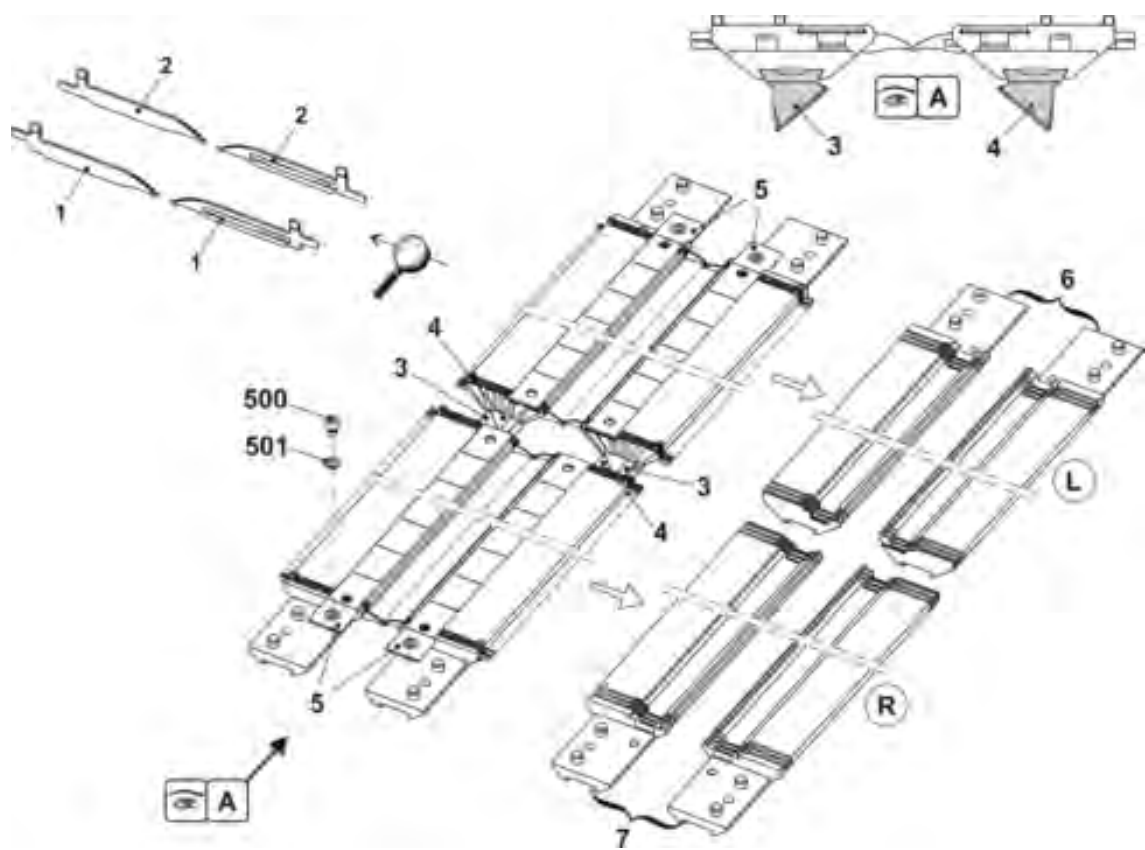
Pos	Designation	ID		Pos	Designation	ID
2	Locating wire $\varnothing 3,4$ mm	213 995		30	Shoulder screw	219 958
6	Spring steel wire $\varnothing 0,8$ mm, E7-8	213 989		36	Eccentric	231 069
14	Limiter on the left E5-8	243 195		502	Cap screw M5x10	022 918
15	Limiter on the right E5-8	243 196		506	Shim ring 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 Needle bed E7

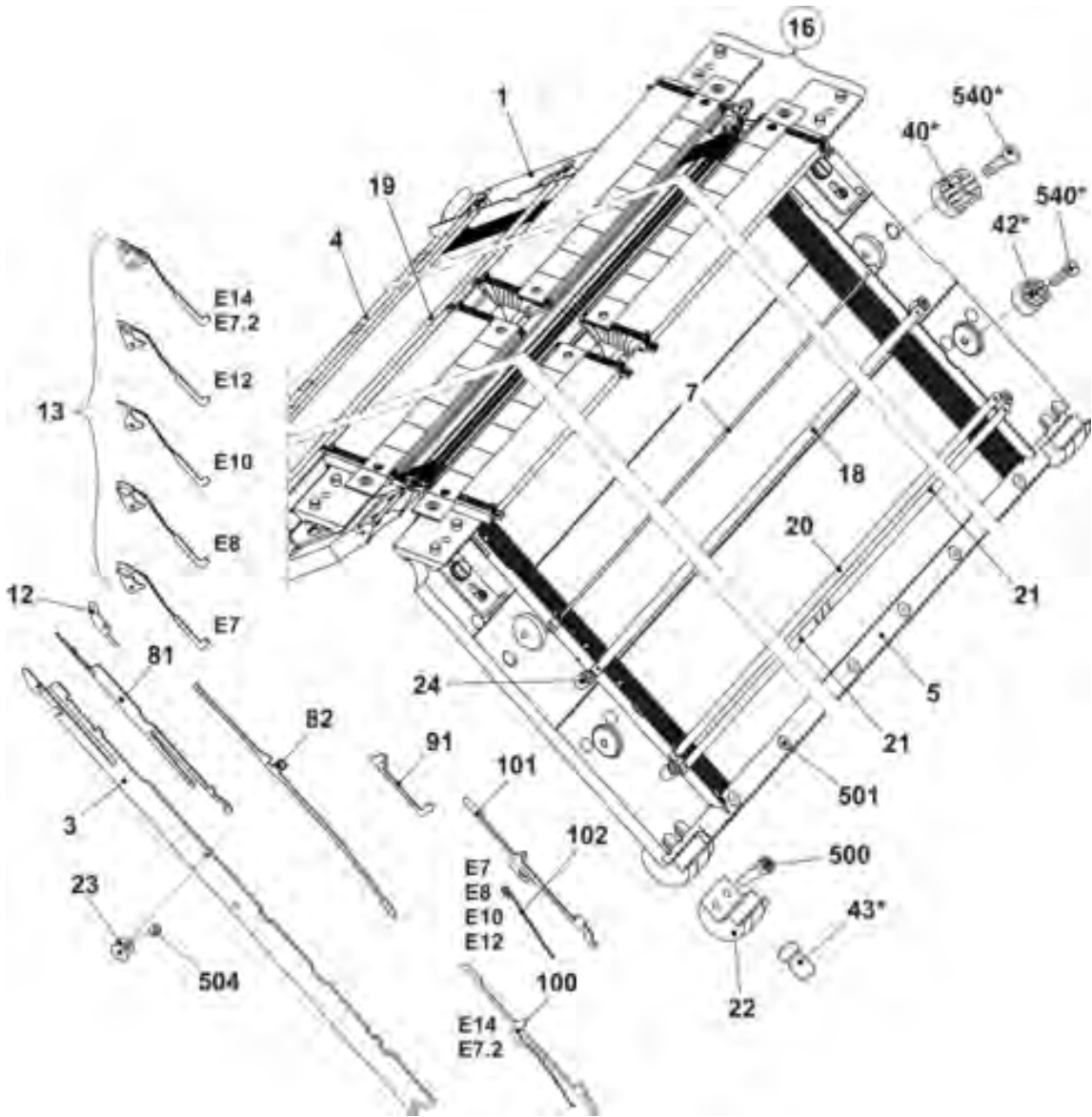
4.1.2 Additional needle bed E7

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional needle bed complete E7	243 213		5	Cover rail	229 249
1	Transfer cam selection at the top E7-8	228 994		6	Additional needle bed at the front and rear on the left E7	243 183
2	Transfer cam selection bottom E7-8	228 995		7	Additional needle bed at the front and rear on the right E7	243 188
3	Needle bar on the right	229 264		500	Screw M5x6	235 871
4	Needle bar on the left	229 263		501	Washer	020 880



4.2 Needle bed E8

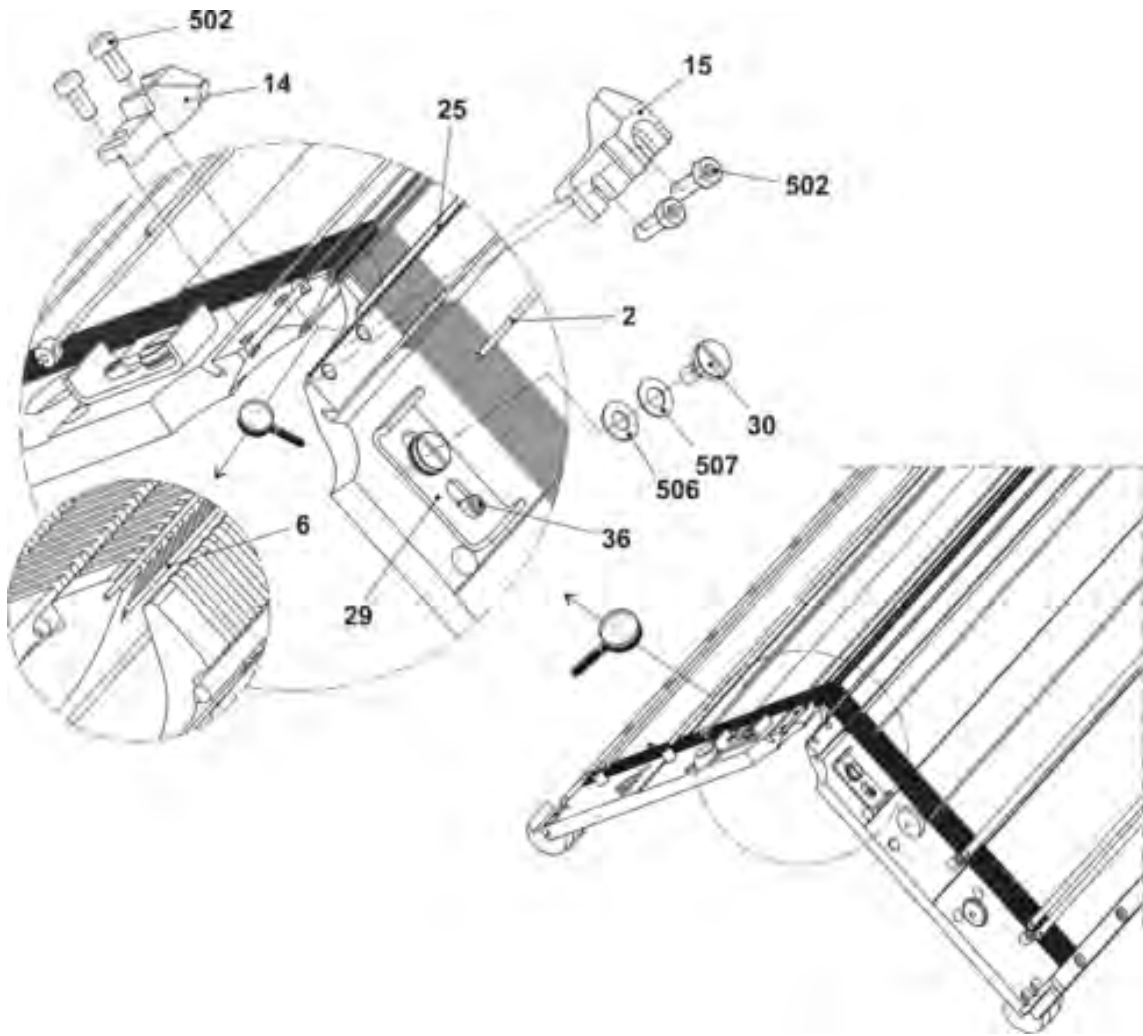
Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front + rearE8	243 240	18	Cover rail at the rear	213 981
1	Needle bed at the front + rearE8	219 428	19	Cover rail at the front E8	214 035
3	Main trick wall E8	219 354	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	21	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
81	Needle E8 with round hook	208 745	24	Stop screw	214 039
82	Coupling part E5-8	253 381	500	Cap screw M6x14	022 658
91	Intermediate slider with brake E5-8	237 323	501	Cap screw M5x8	023 379
101	Selection jack E4-8	200 687	504	Setscrew M3,5x3	020 512
102	Selector spring E4-8	200 690	40*	Disk brush	235 612
12	Knock-over bit E8	219 374	42*	Disk brush	202 600
13	Holding-down jack breastE8	226 142	43*	Adjusting bolt	240 765
16	Additional needle bed complete E8	243 214	540*	Cap screw M5x12	020 032



4.2 Needle bed E8

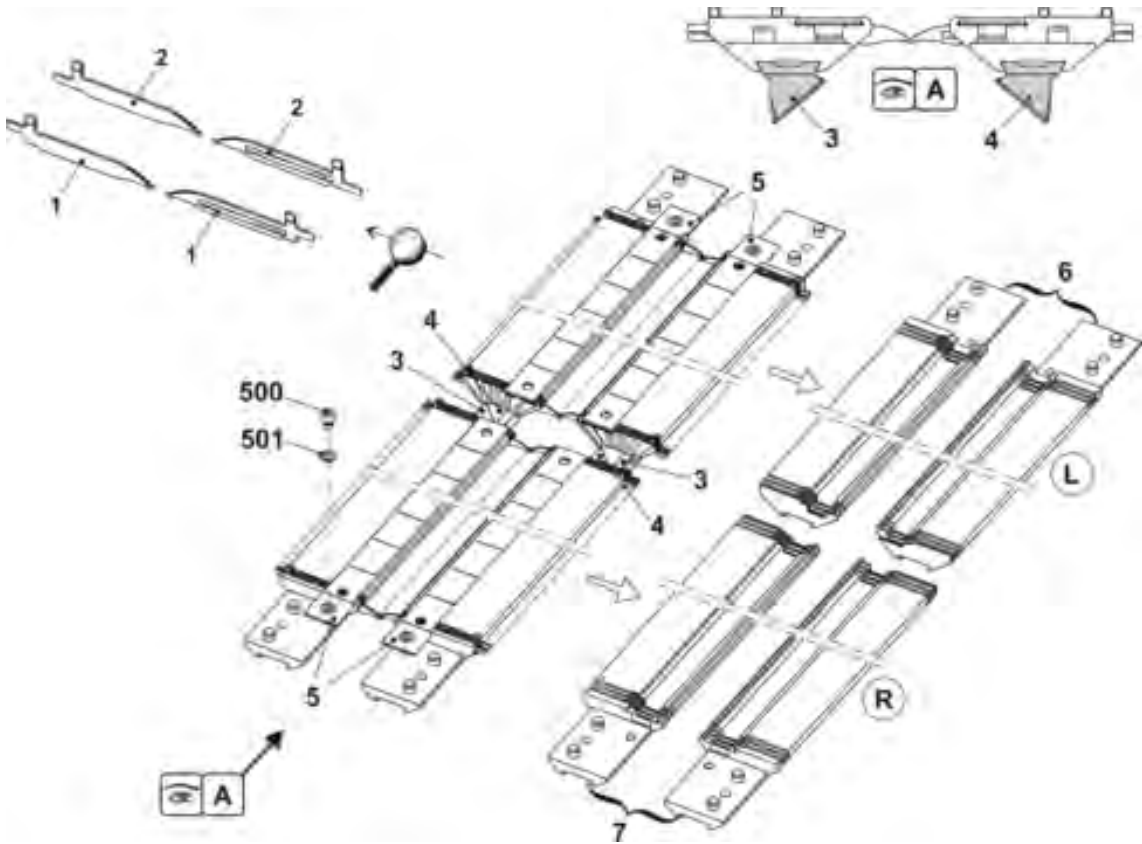
4.2.1 Continuation needle bed E8

Pos	Designation	ID		Pos	Designation	ID
2	Locating wire $\varnothing 3,4$ mm	213 995		30	Shoulder screw	219 958
6	Spring steel wire $\varnothing 0,8$ mm, E7-8	213 989		36	Eccentric	231 069
14	Limiter on the left E5-8	243 195		502	Cap screw M5x10	022 918
15	Limiter on the right E5-8	243 196		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				



4.2.2 Additional needle bed E8

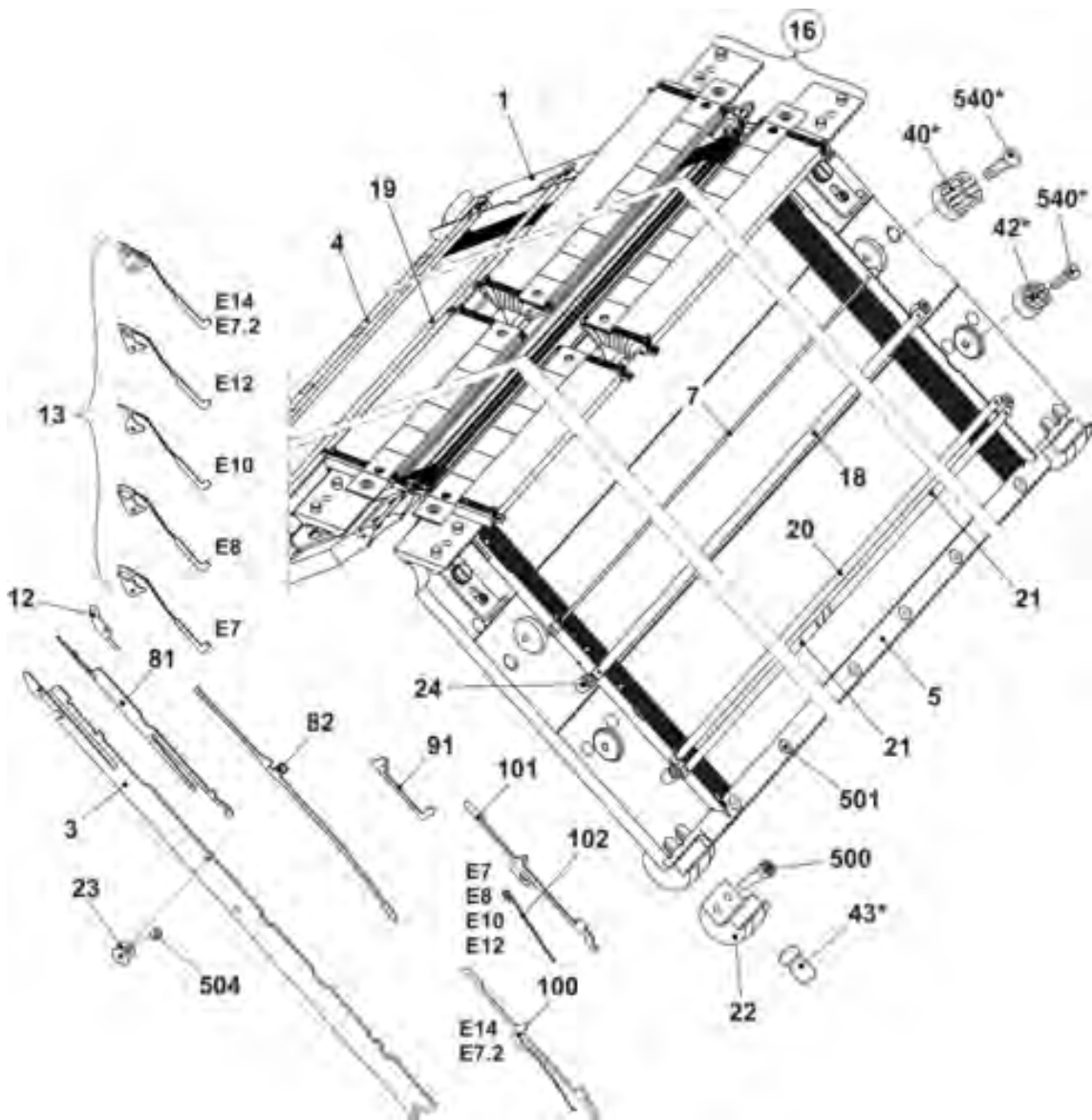
Pos	Designation	ID		Pos	Designation	ID
Σ	Additional needle bed complete E8	243 214		5	Cover rail	229 249
1	Transfer cam selection at the top E7-8	228 994		6	Additional needle bed at the front and rear on the left E8	243 184
2	Transfer cam selection bottom E7-8	228 995		7	Additional needle bed at the front and rear on the right E8	243 189
3	Needle bar on the right	229 264		500	Screw M5x6	235 871
4	Needle bar on the left	229 263		501	Washer	020 880



4.3 Needle bed E10

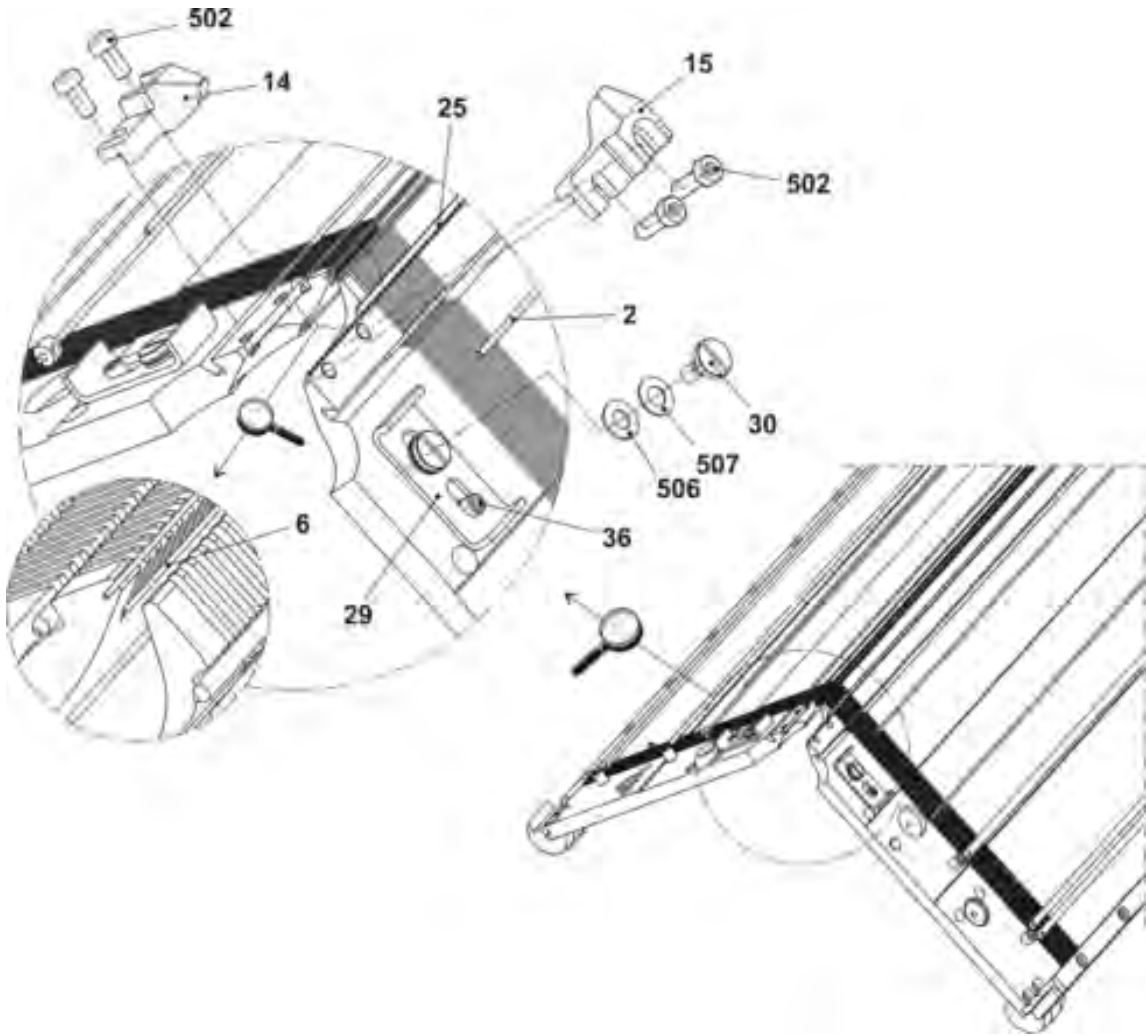
4.3 Needle bed E10

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front + rearE7	243 241		18	Cover rail at the rear	213 981
1	Needle bed at the front + rearE10	227 425		19	Cover rail at the front E10	214 036
3	Main trick wall E10	231 770		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
81	Needle E10 with round hook	205 398		24	Stop screw	214 039
82	Coupling part E10-12	253 382		500	Cap screw M6x14	022 658
91	Intermediate slider with brake E10-12	237 324		501	Cap screw M5x8	023 379
101	Selector spring E10-12	200 691		504	Setscrew M3,5x3	020 512
102	Selection jack E10-12	200 688		40*	Disk brush	235 612
12	Knock-over bit E10	219 360		42*	Disk brush	202 600
13	Holding-down jack E10	219 735		43*	Adjusting bolt	240 765
16	Additional needle bed complete E10	243 215		540*	Cap screw M5x12	020 032



4.3.1 Continuation needle bed E10

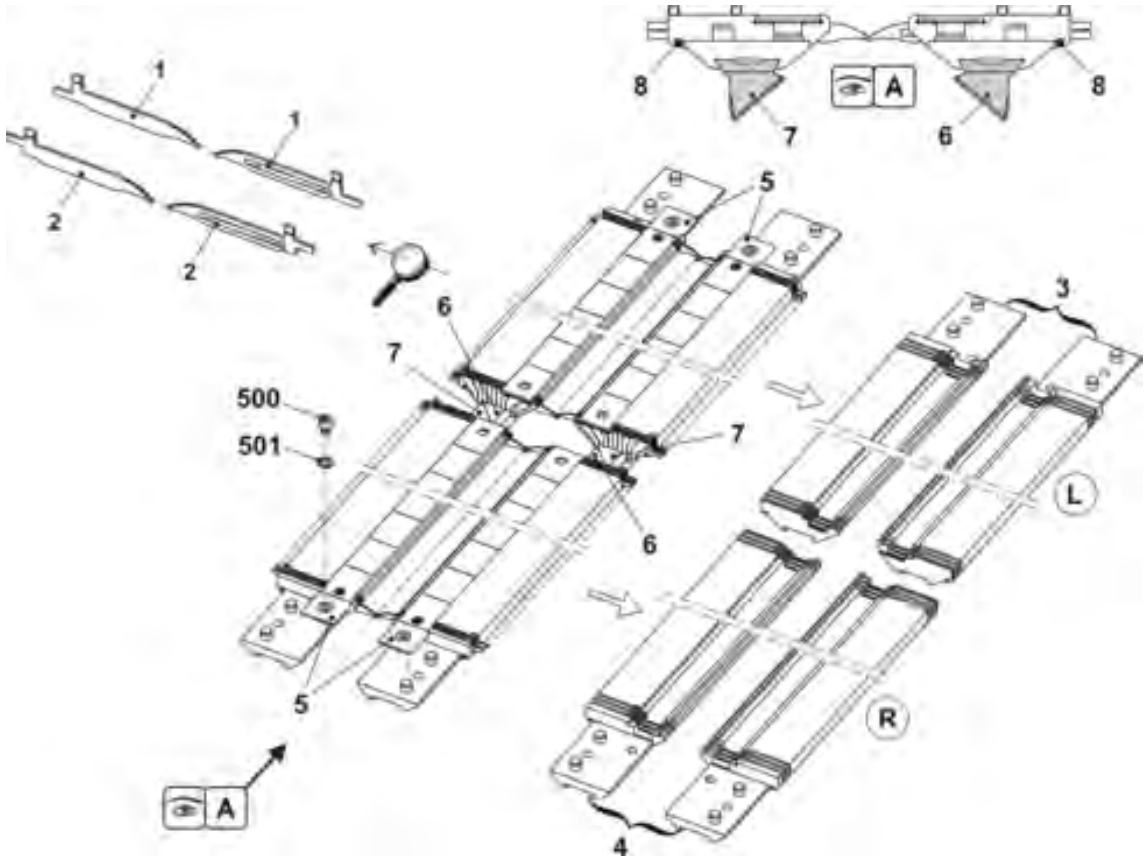
Pos	Designation	ID		Pos	Designation	ID
2	Locating wire $\varnothing 3,4$ mm	213 995		30	Shoulder screw	219 958
6	Spring steel wire $\varnothing 0,6$ mm, E10-14	213 990		36	Eccentric	231 069
14	Limiter on the right E10-14	243 202		502	Cap screw M5x10	022 918
15	Limiter on the left E10-14	243 201		506	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 Needle bed E10

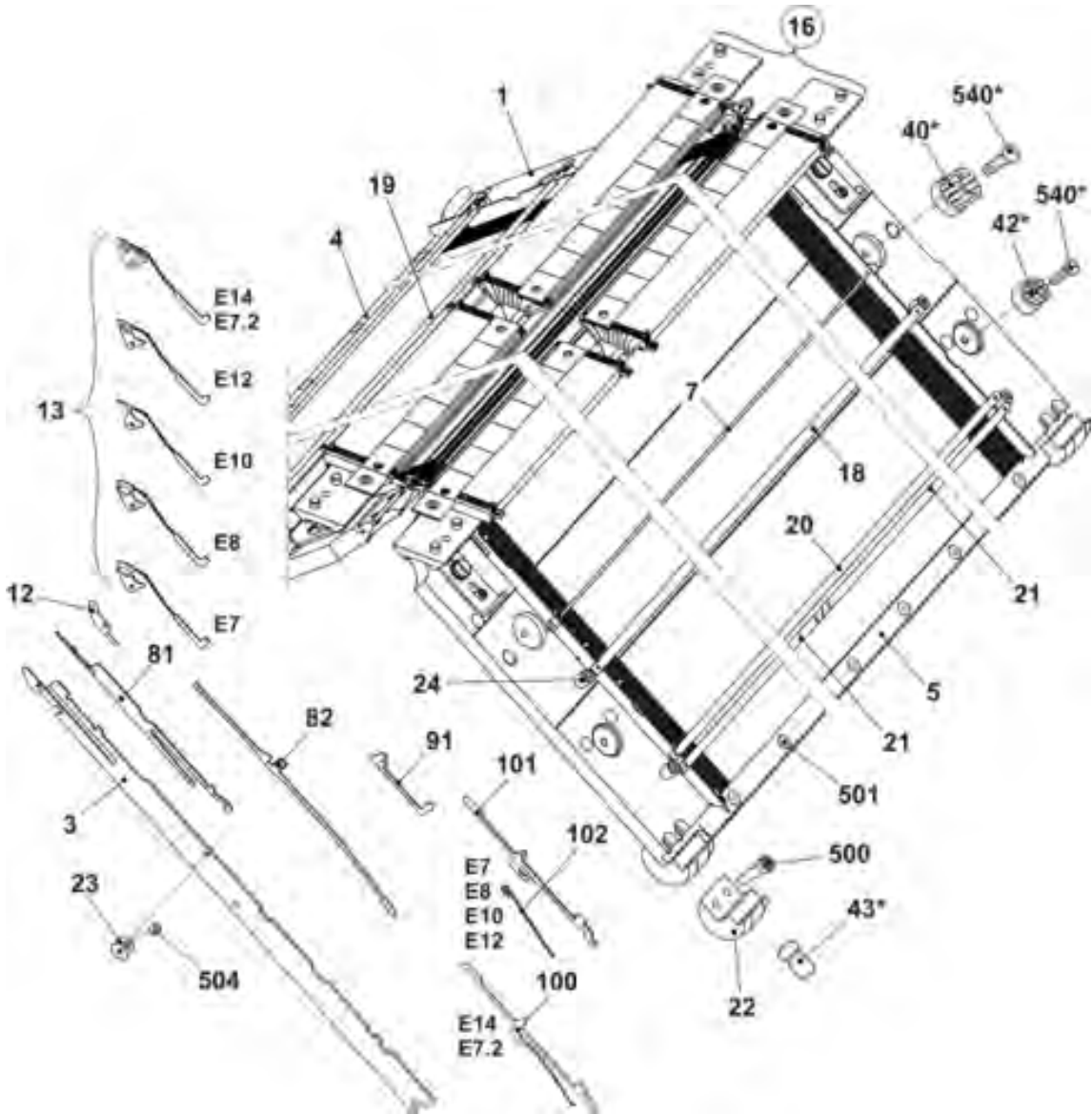
4.3.2 Additional needle bed E10

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional needle bed complete E10	243 215				
1	Transfer cam selection bottom E10	230 692		6	Needle bar on the left	229 263
2	Transfer cam selection at the top E10	230 691		7	Needle bar on the right	229 264
3	Additional needle bed at the front and rear on the left E10	243 185		8	Spring steel wire ø2.0 mm	243 224
4	Additional needle bed at the front and rear on the right E10	243 190		500	Screw M5x6	235 871
5	Cover rail	229 249		501	Washer	020 880



4.4 Needle bed E12

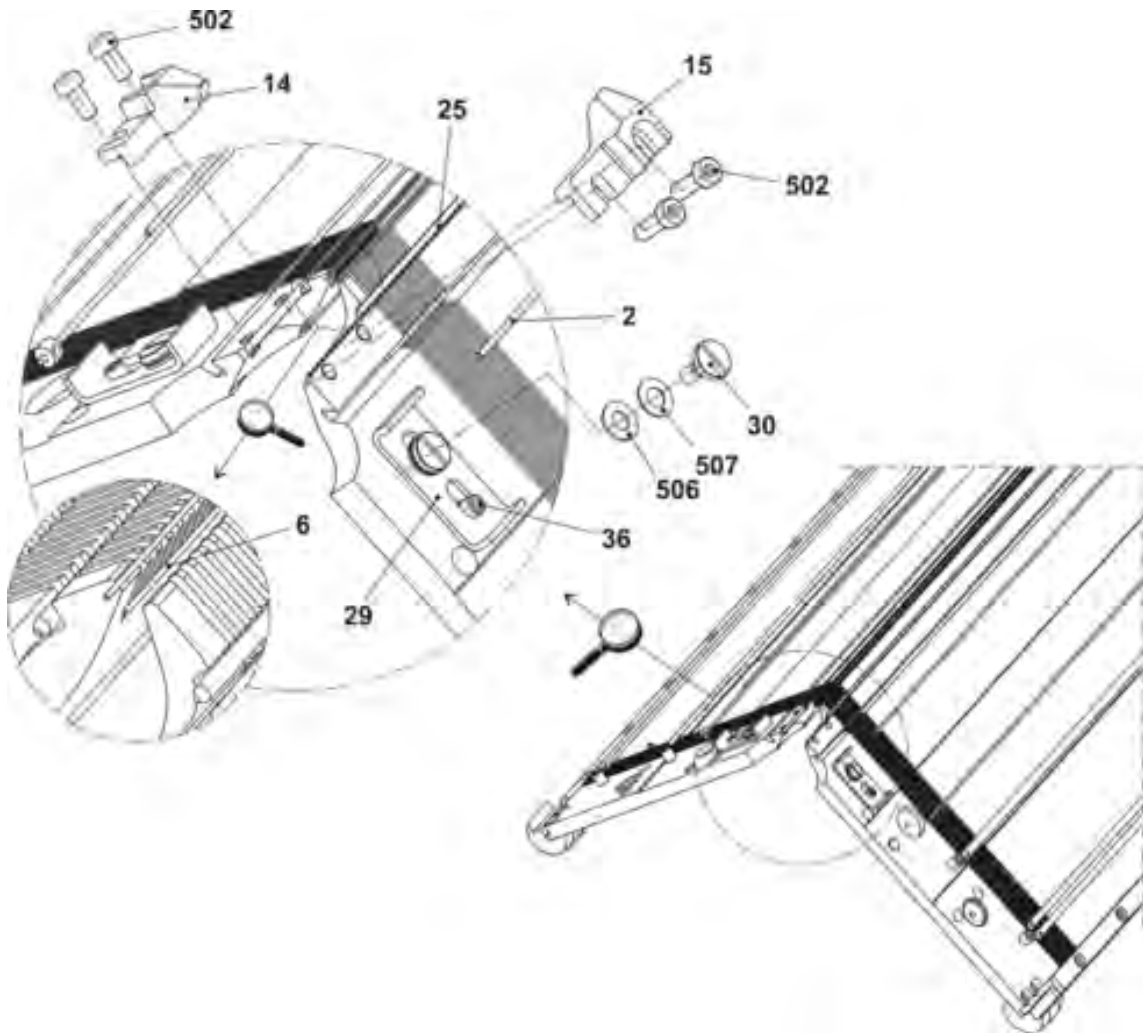
Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front + rearE12	243 242	18	Cover rail at the rear	213 981
1	Needle bed at the front + rearE12	227 426	19	Cover rail at the front E12	214 037
3	Main trick wall E12	231 771	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	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
81	Needle E12	204 009	24	Stop screw	214 039
82	Coupling part E10-12	253 382	500	Cap screw M6x14	022 658
91	Intermediate slider with brake E10-12	237 324	501	Cap screw M5x8	023 379
101	Selection jack E10-12	200 688	504	Setscrew M3,5x3	020 512
102	Selector spring E10-12	200 691	40*	Disk brush	235 612
12	Knock-over bit E12	219 281	42*	Disk brush	202 600
13	Holding-down jack trick wallE12	227 106	43*	Adjusting bolt	240 765
16	Additional needle bed complete E12	243 216	540*	Cap screw M5x12	020 032



4.4 Needle bed E12

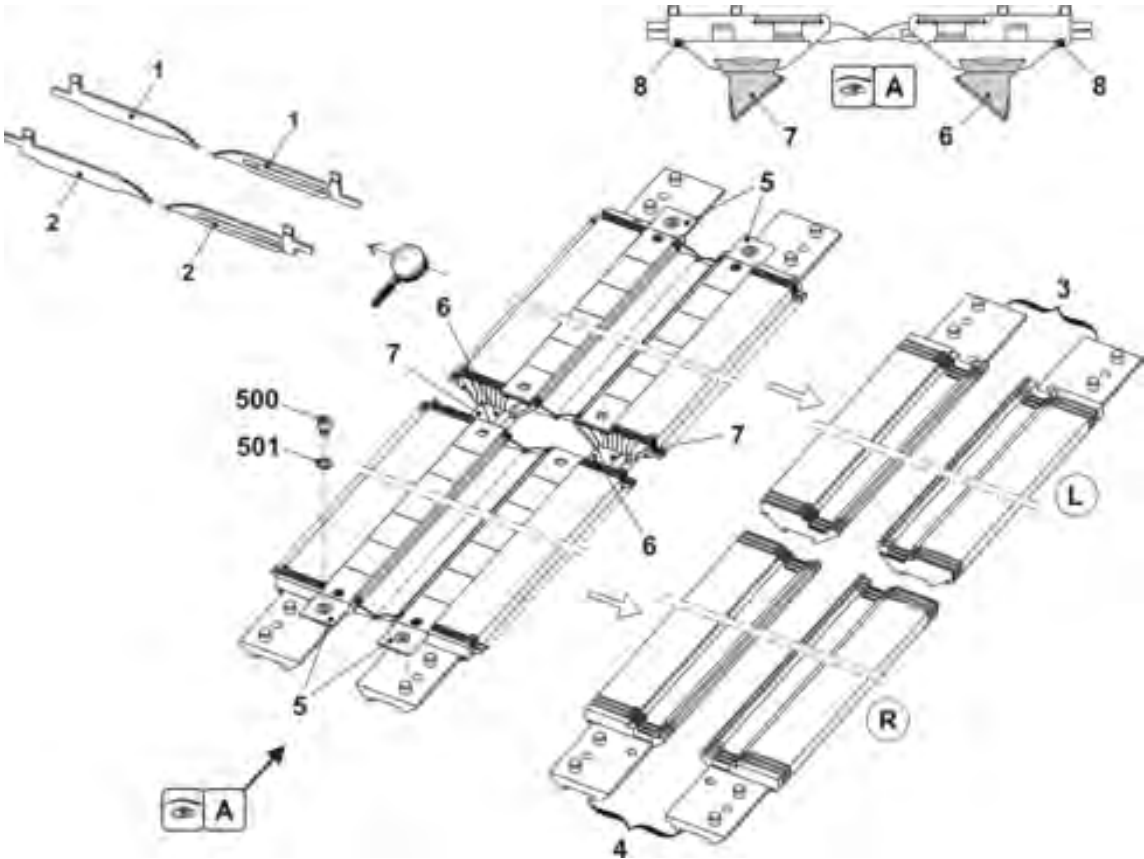
4.4.1 Continuation needle bed E12

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				



4.4.2 Additional needle bed E12

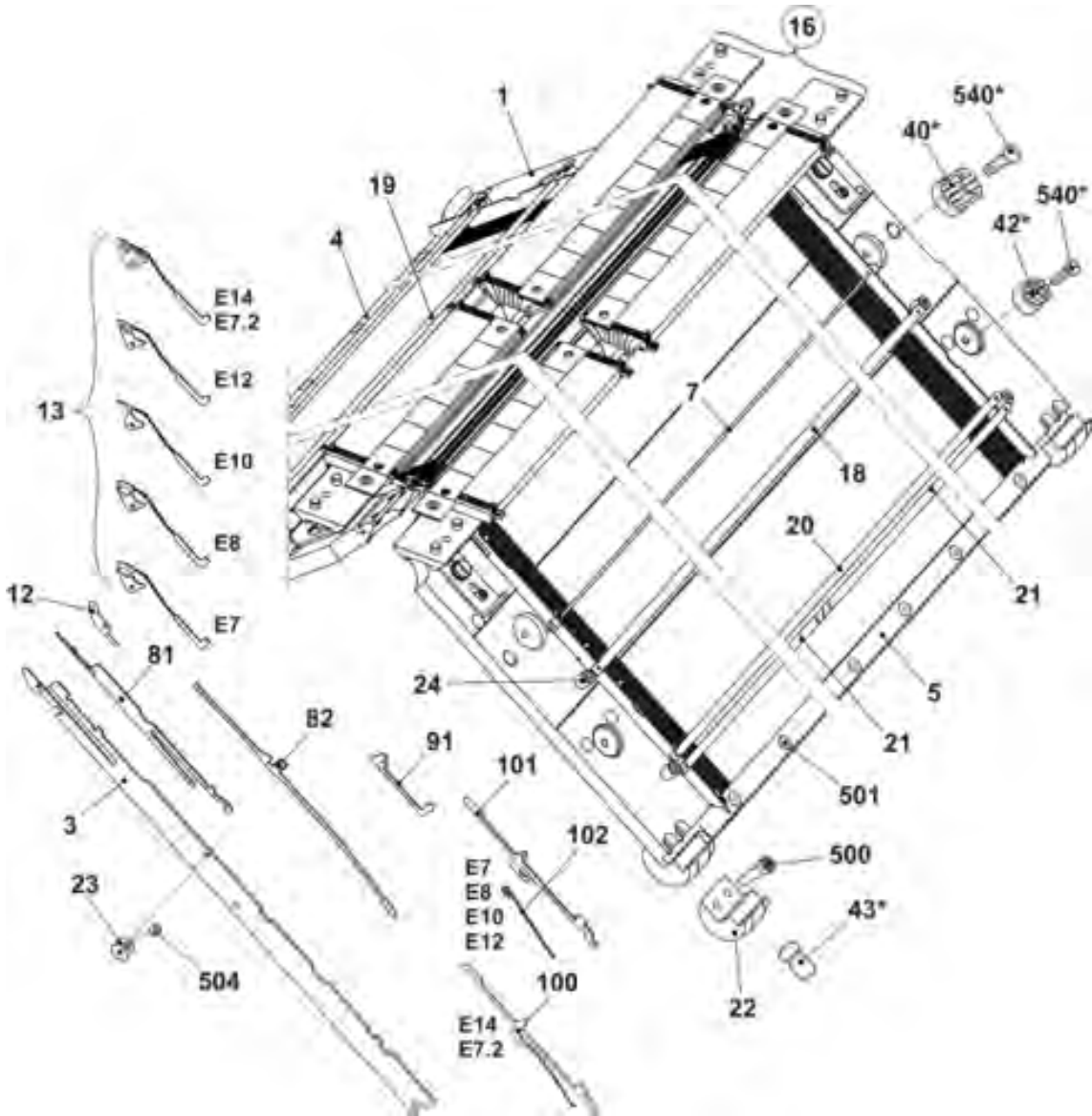
Pos	Designation	ID		Pos	Designation	ID
Σ	Additional needle bed complete E12	243 216				
1	Transfer cam selection bottom E12-14	230 234		6	Needle bar on the left	229 263
2	Transfer cam selection at the top E12-14	230 233		7	Needle bar on the right	229 264
3	Additional needle bed at the front and rear on the left E12	243 186		8	Spring steel wire ø2.0 mm	243 224
4	Additional needle bed at the front and rear on the right E12	243 191		500	Screw M5x6	235 871
5	Cover rail	229 249		501	Washer	020 880



4.5 Needle bed E14

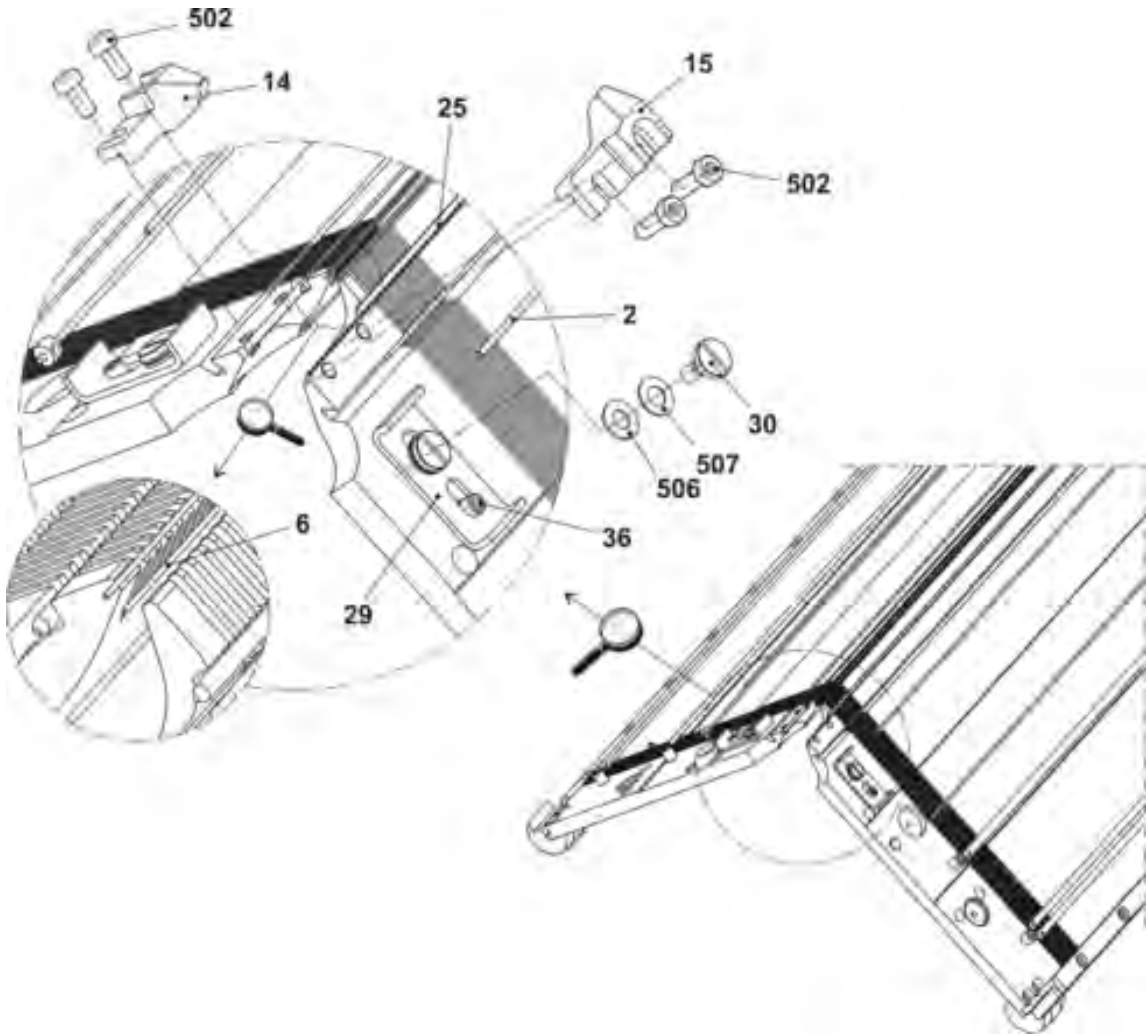
4.5 Needle bed E14

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E10	243 243				
1	Needle bed at the front + rearE14	227 427		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
81	Needle E14	209 614		24	Stop screw	214 039
82	Coupling part E14	253 383		500	Cap screw M6x14	022 658
91	Intermediate slider with brake E14	237 373		501	Cap screw M5x8	023 379
100	Selection jack with spring E14	224 725		504	Setscrew M3,5x3	020 512
12	Knock-over bit E14	219 365		40*	Disk brush	235 612
13	Holding-down jack trick wallE14	227 575		42*	Disk brush	202 600
16	Additional needle bed complete E14	243 217		43*	Adjusting bolt	240 765
18	Cover rail at the rear	213 981		540*	Cap screw M5x12	020 032



4.5.1 Continuation needle bed E14

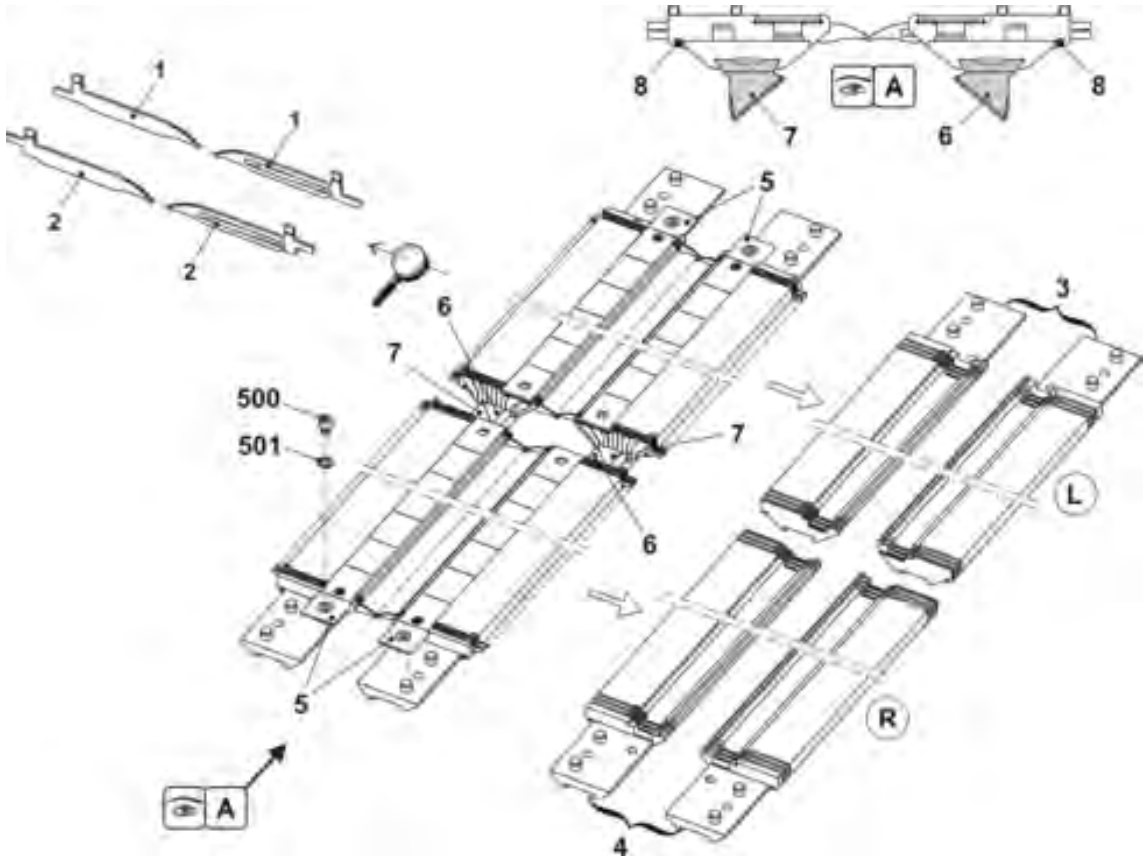
Pos	Designation	ID		Pos	Designation	ID
2	Locating wire $\varnothing 3,4$ mm	213 995		30	Shoulder screw	219 958
6	Spring steel wire $\varnothing 0,6$ mm, E10-14	213 990		36	Eccentric	231 069
14	Limiter on the right E10-14	243 202		502	Cap screw M5x10	022 918
15	Limiter on the left E10-14	243 201		506	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				



4.5 Needle bed E14

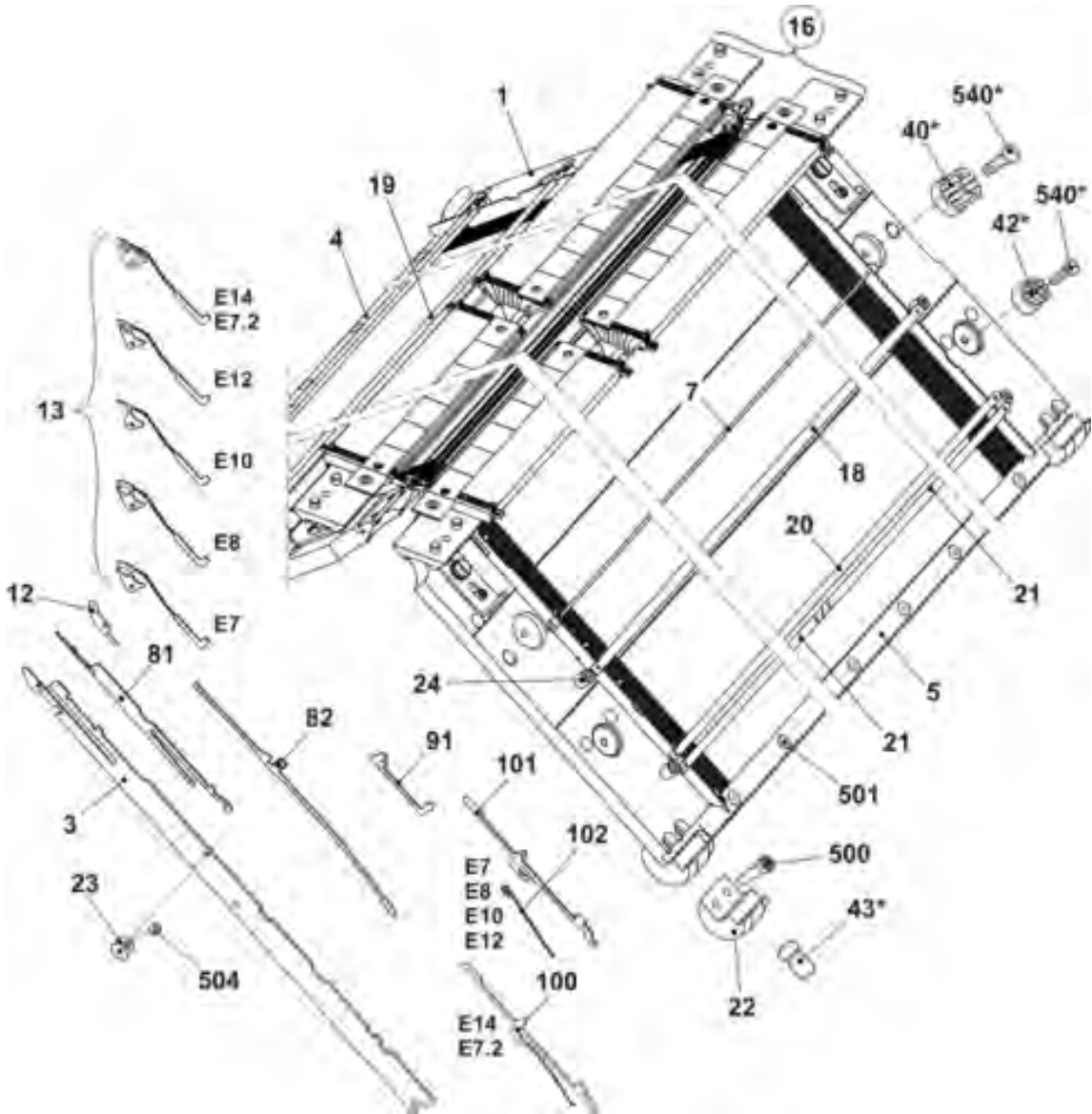
4.5.2 Additional needle bed E14

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional needle bed complete E14	243 217				
1	Transfer cam selection bottom E12-14	230 234		6	Needle bar on the left	229 263
2	Transfer cam selection at the top E12-14	230 233		7	Needle bar on the right	229 264
3	Additional needle bed at the front and rear on the left E14	243 187		8	Spring steel wire ø2.0 mm	243 224
4	Additional needle bed at the front and rear on the right E14	243 192		500	Screw M5x6	235 871
5	Cover rail	229 249		501	Washer	020 880



4.6 Needle bed E7.2 mg

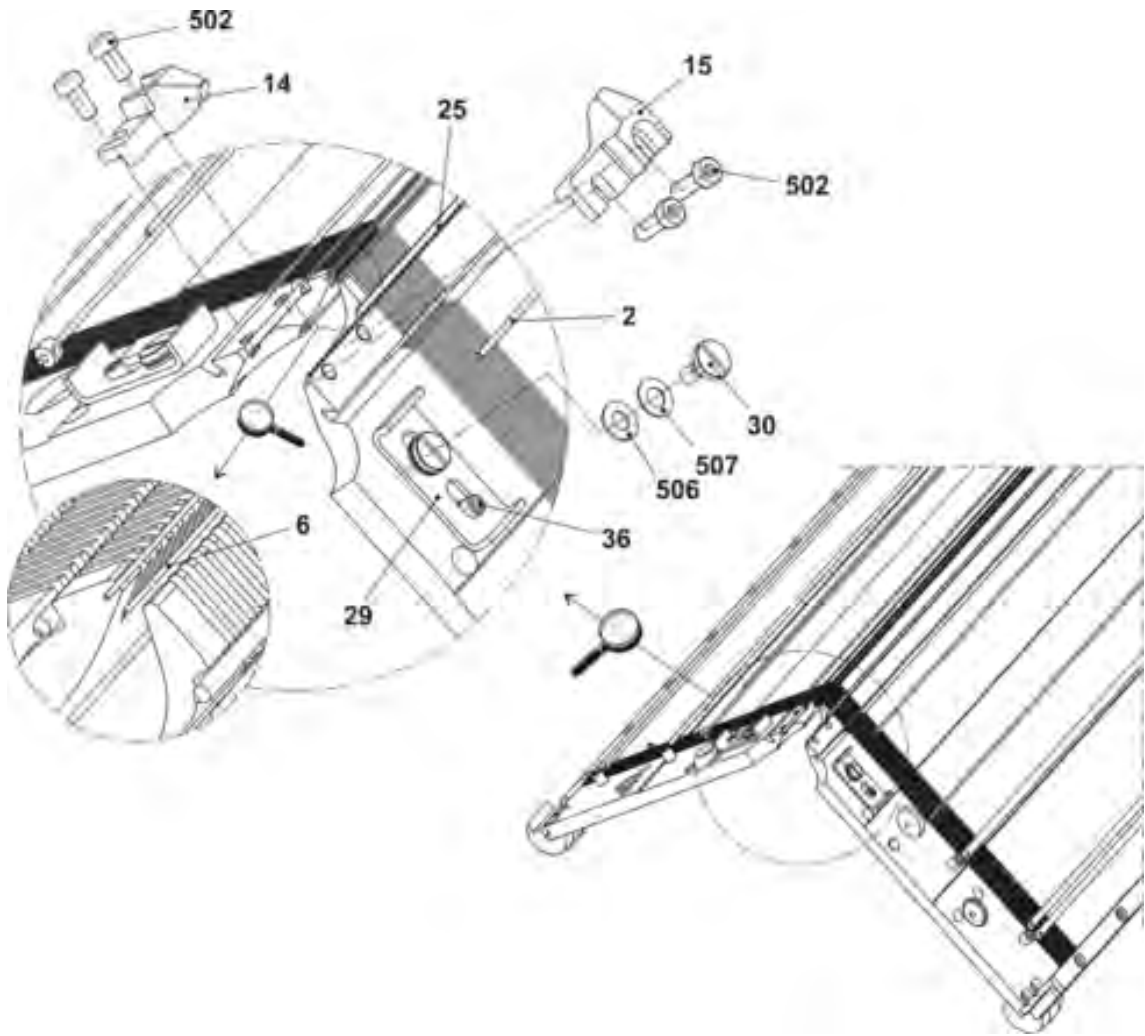
Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E10	257 494			
1	Needle bed at the front + rear E14	227 427	19	Cover rail at the front E14	214 038
3	Main trick wall E14	231 772	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	21	Cover rail	213 763
5	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
81	Needle E7.2	225 230	24	Stop screw	214 039
82	Coupling part E14	253 383	500	Cap screw M6x14	022 658
91	Intermediate slider with brake E14	237 373	501	Cap screw M5x8	023 379
100	Selection jack with spring E14	224 725	504	Setscrew M3,5x3	020 512
12	Knock-over bit E7.2 mg	256 651	40*	Disk brush	235 612
13	Holding-down jack E7.2 mg	256 652	42*	Disk brush	202 600
16	Additional needle bed complete E7.2	257 498	43*	Adjusting bolt	240 765
18	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



4.6 Needle bed E7.2 mg

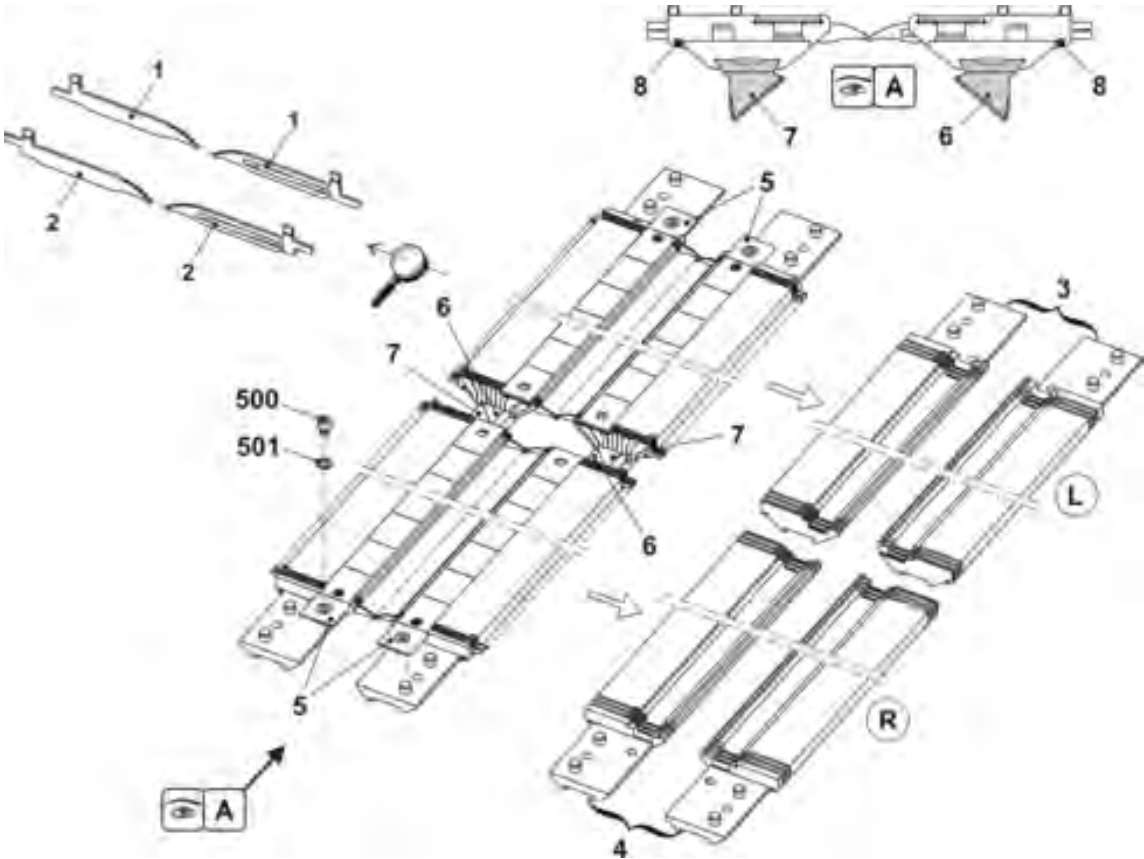
4.6.1 Continuation needle bed E7.2

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				



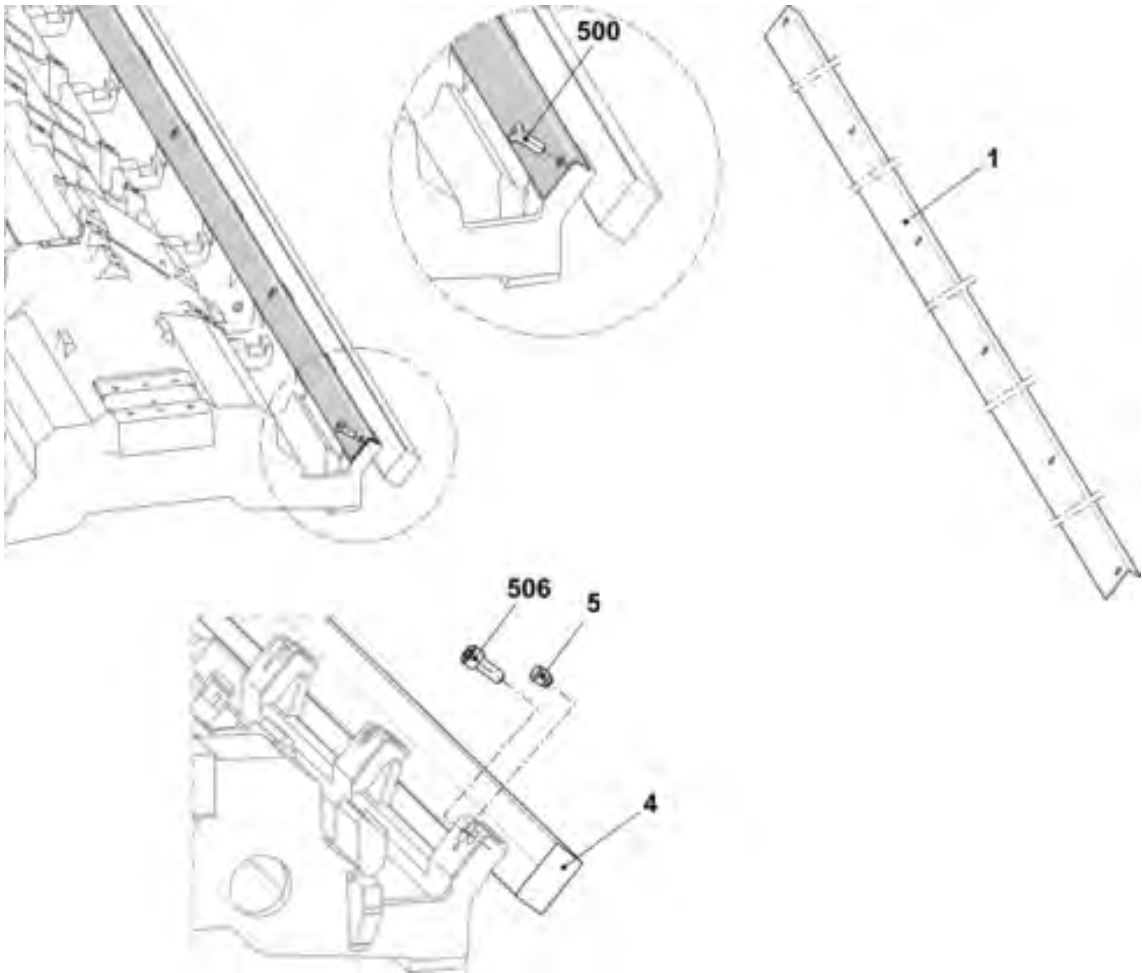
4.6.2 Additional needle bed E7.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional needle bed complete E7.2	257 498				
1	Transfer cam selection bottom E7.2	235 934		6	Needle bar on the left	229 263
2	Transfer cam selection at the top E7.2	235 933		7	Needle bar on the right	229 264
3	Additional needle bed at the front and rear on the left E14	243 187		8	Spring steel wire ø2.0 mm	243 224
4	Additional needle bed at the front and rear on the right E14	243 192		500	Screw M5x6	235 871
5	Cover rail	229 249		501	Washer	020 880



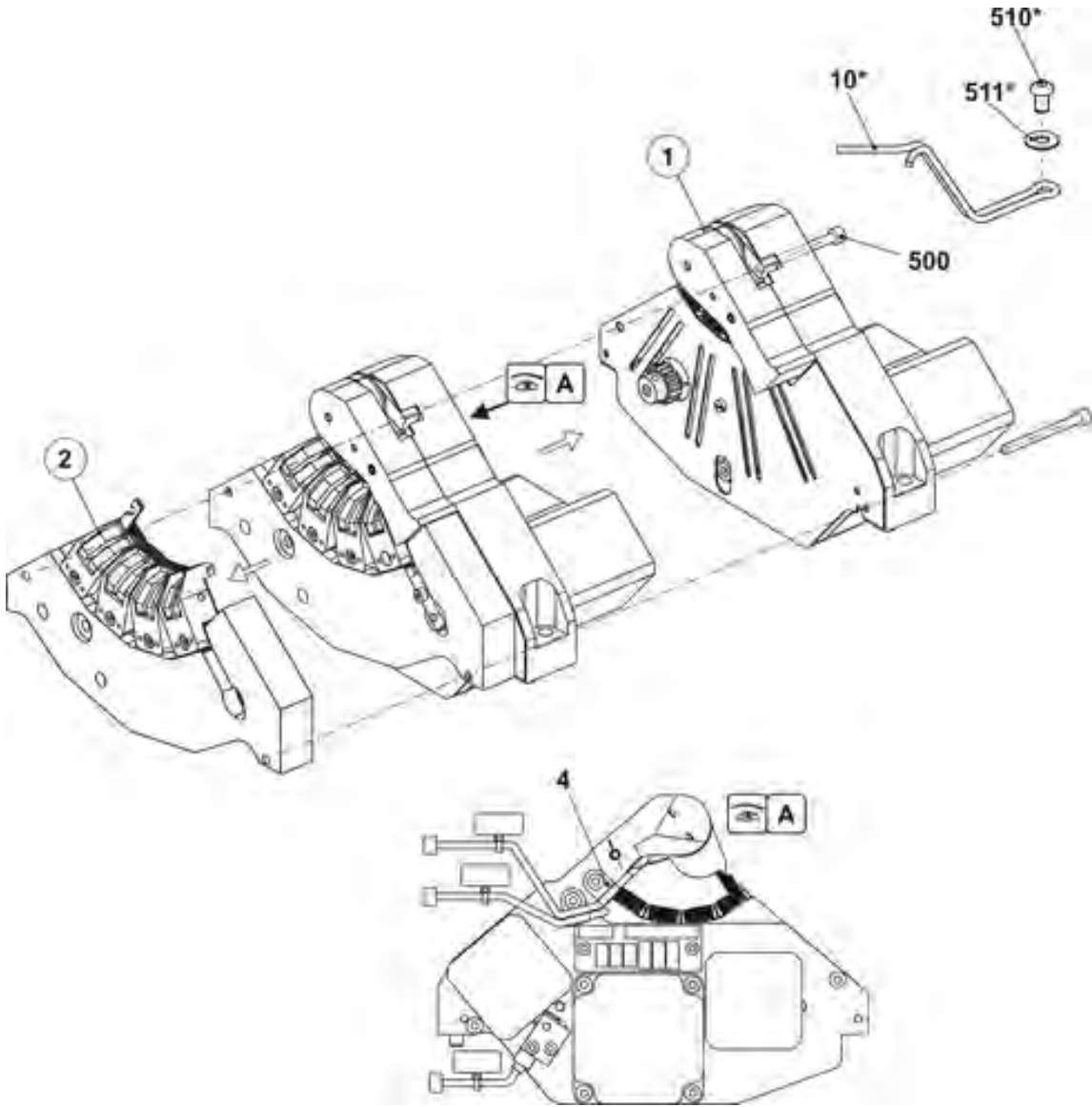
4.7 Cover and carriage guide rail

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



4.8 Thread clamping and cutting device

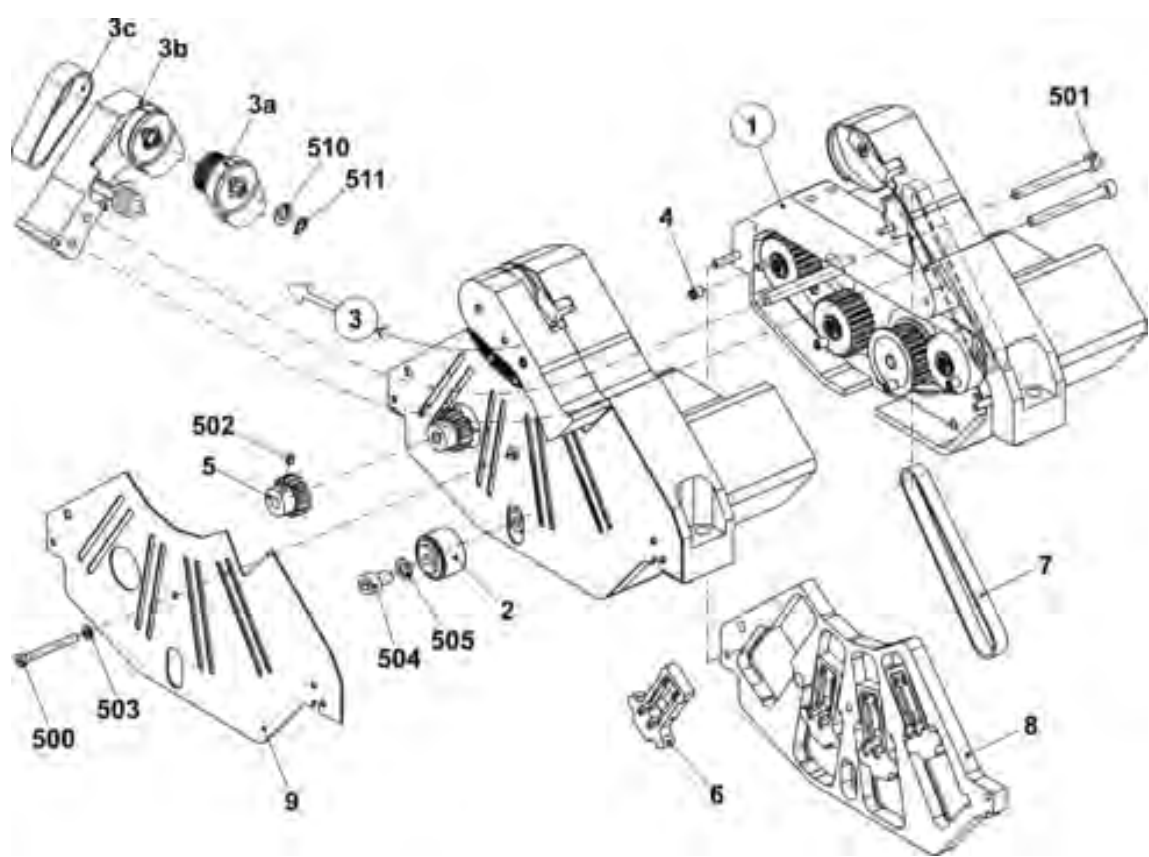
Pos	Designation	ID		Pos	Designation	ID
Σ	Clamping and cutting complete	214 257		10*	Bow	231 795
1	Crankcase complete	214 188		500	Cap screw M4x45	023 419
2	Selection housing complete	214 256		510*	Pan-head screw M6x10	023 183
4	Fastening clip 225/3,2	008 321		511*	Washer6,4x15x1	020 902



4.8 Thread clamping and cutting device

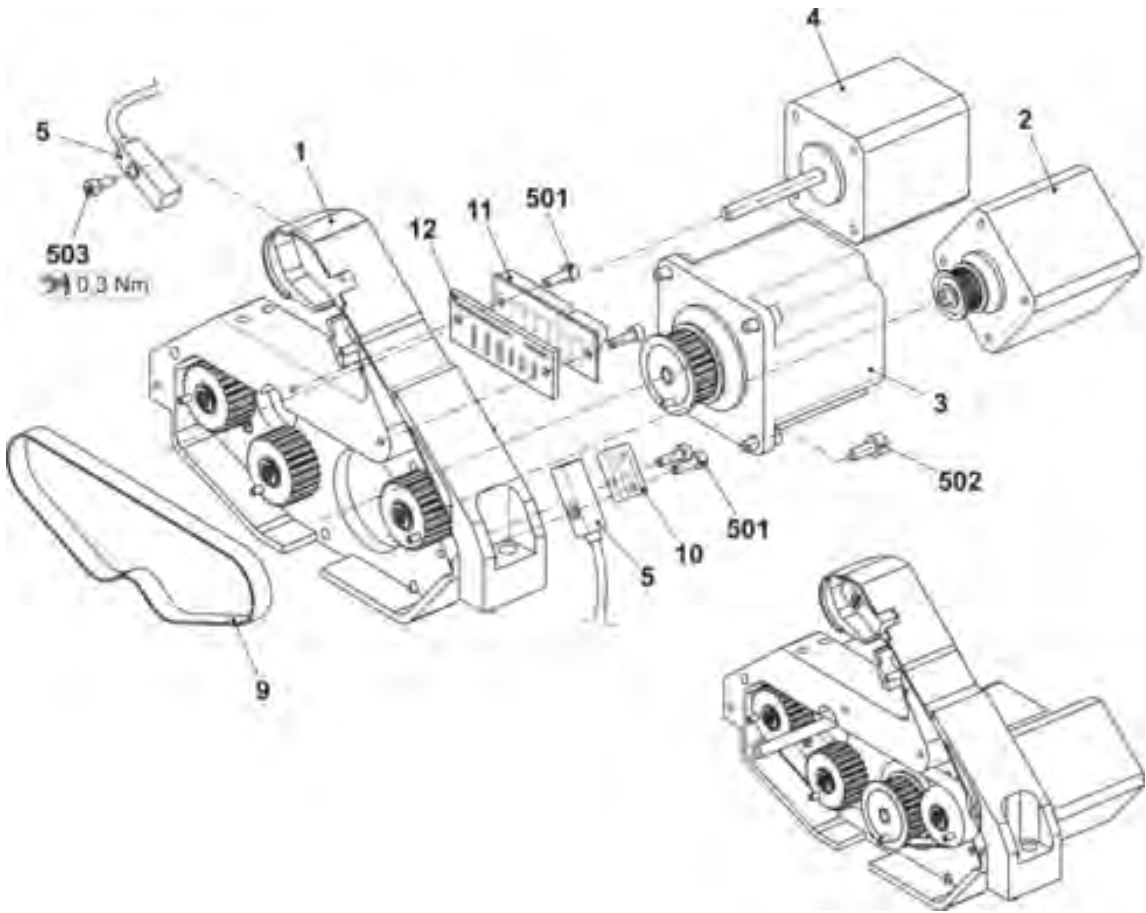
4.8.1 Crankcase

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	WasherA5,3	020 871	502	Setscrew M3x4-45H	022 674
	511	Locking ring5x0,6	023 347	503	Washer3,2	020 877
4	Sleeve	214 240		504	Cap screw M5x8	023 319
5	Spur gear	213 893		505	Washer5,3	020 880



4.8.1.1 Crankcase with drive

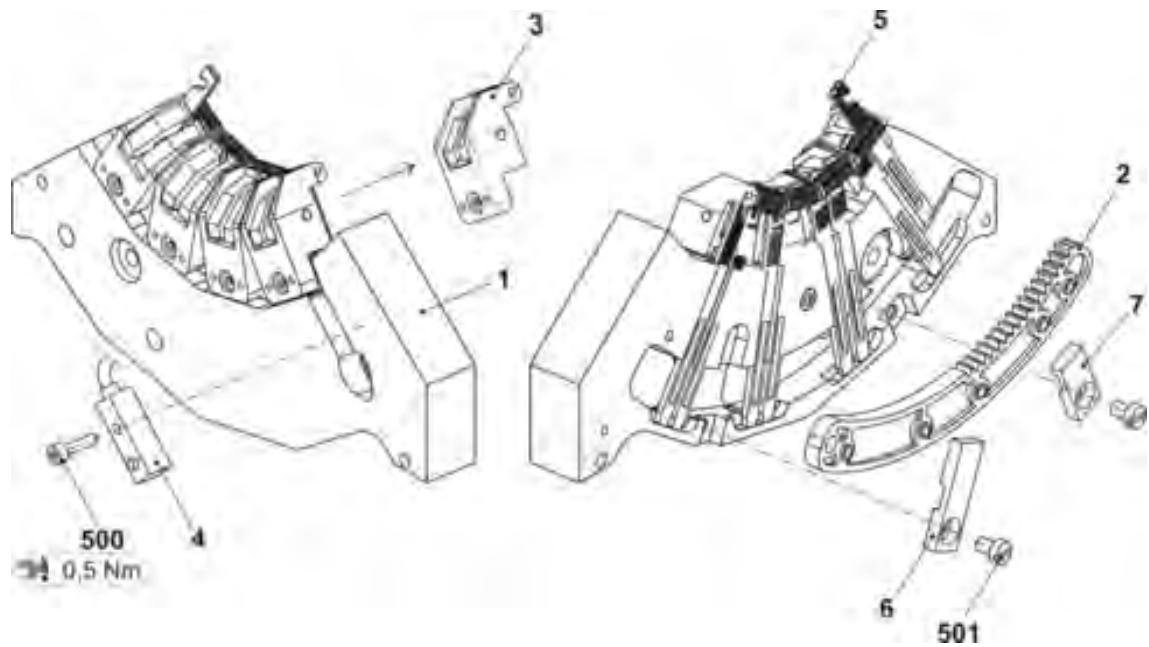
Pos	Designation	Id		Pos	Designation	Id
Σ	Crankcase	215 078				
1	Crankcase	214 182		10	Sensor switch	213 721
2	Transport segment motor complete	213 815		11	Connector board	222 822
3	Step motor complete	213 819		12	Insulating plate	222 933
4	Step motorPK245	213 732		501	Cap screw M3x10	022 991
5	Proximity switch inductive	222 821		502	Cap screw M4x10	023 136
9	Toothed belt80S3M300NG	213 891		503	Cap screw M3x8	022 582



4.8 Thread clamping and cutting device

4.8.2 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



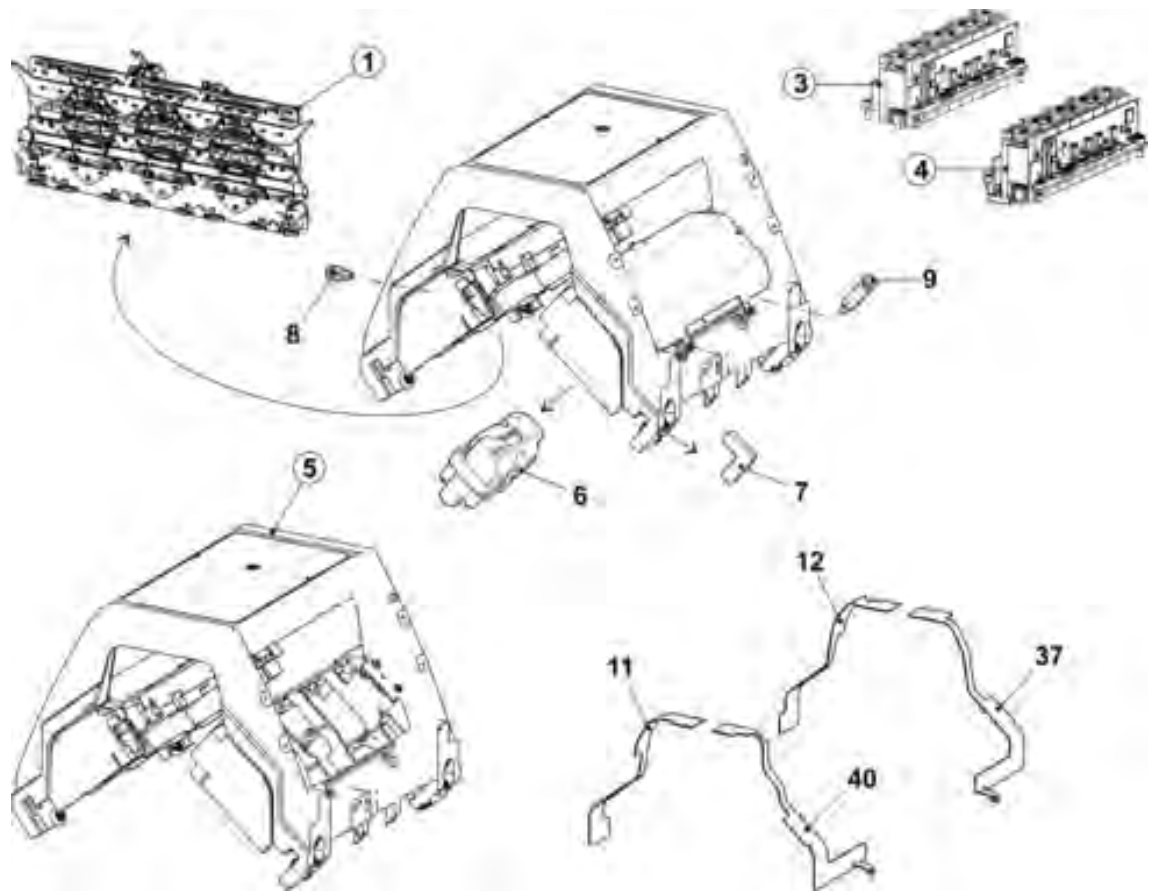
5 Carriage



5.1 Overview of carriage

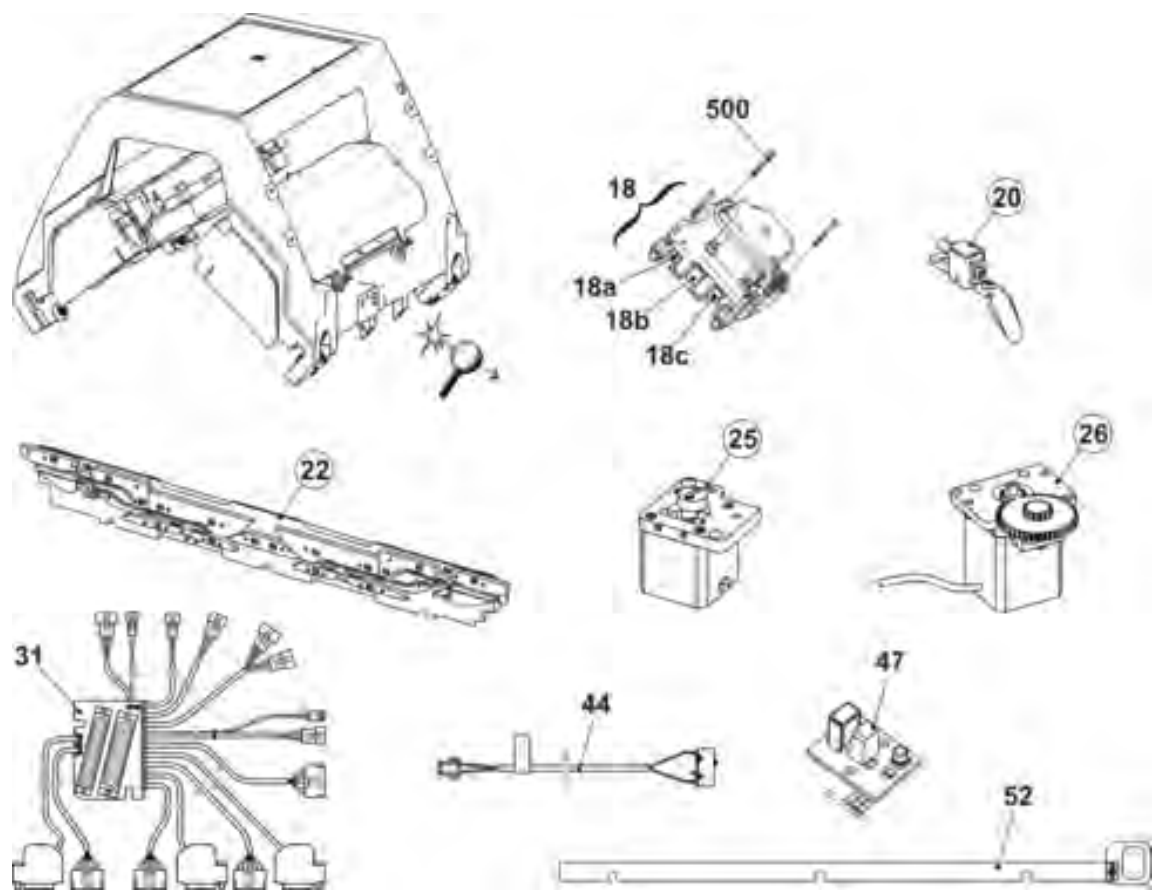
5.1 Overview of carriage

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage complete		3	FF driving outside complete	245 297
	E7-8	256 403	4	FF driving in the middle complete	245 298
	E10	256 404	5	Carriage assembly 3 cam boxes complete	256 502
	E12	256 405	6	Selection system completeE2-8	216 218
	E14	256 406		Selection system completeE10-12	216 219
	E7.2	257 492		Selection system completeE14 (E7.2 mg)	229 300
1	Cam box complete E7-8	244 455	7	Wiper (felt)	241 411
	Cam box at the front complete E10	244 686	8	Bolts	212 392
	Cam box at the rear complete E10	244 687	9	Bolts	243 171
	Cam box at the front complete E12	244 639	11	Cover plate on the right	250 275
	Cam box at the rear complete E12	244 640	12	Cover plate on the left	250 274
	Cam box complete E14	244 022	37	Guide plate at the rear on the left	245 323
	Cam box complete E7.2	257 491	40	Guide plate at the rear on the right	245 324



5.2 Overview of carriage, continuation

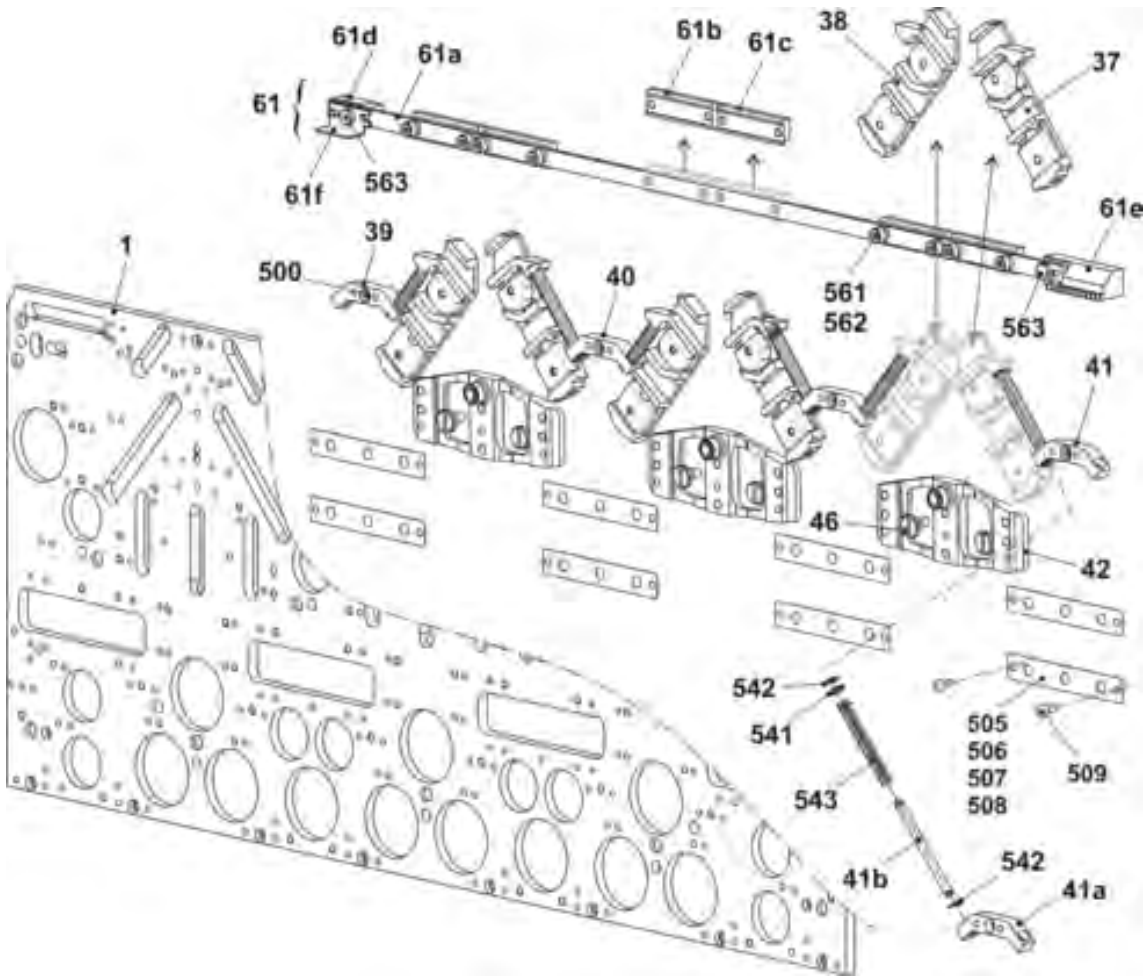
Pos	Designation		ID		Pos	Designation		ID
Σ	Carriage complete				22	Additional cam complete E7-8		224 856
	E7-8		256 403			Additional cam complete E10-14		224 857
	E10		256 404			Additional cam complete E7.2 mg		238 144
	E12		256 405		25	Control unit brush		224 631
	E14		256 406		26	Control unit holding-down jack		223 380
	E7.2 mg		257 492		31	Distributor 730T 6Z okc3		259 676
18	Motor unit complete		253 532		44	Cable of needle detector complete		224 655
	18a	Gear rack at the top	209 781		47	Card light barrier NP		225 087
	18b	Gear rack in the middle	209 782		52	Sliding rod complete		225 753
	18c	Gear rack at the bottom	209 783		500	Screw M4x30		023 290
20	Needle detector complete		226 969					



5.2 Overview of carriage, continuation

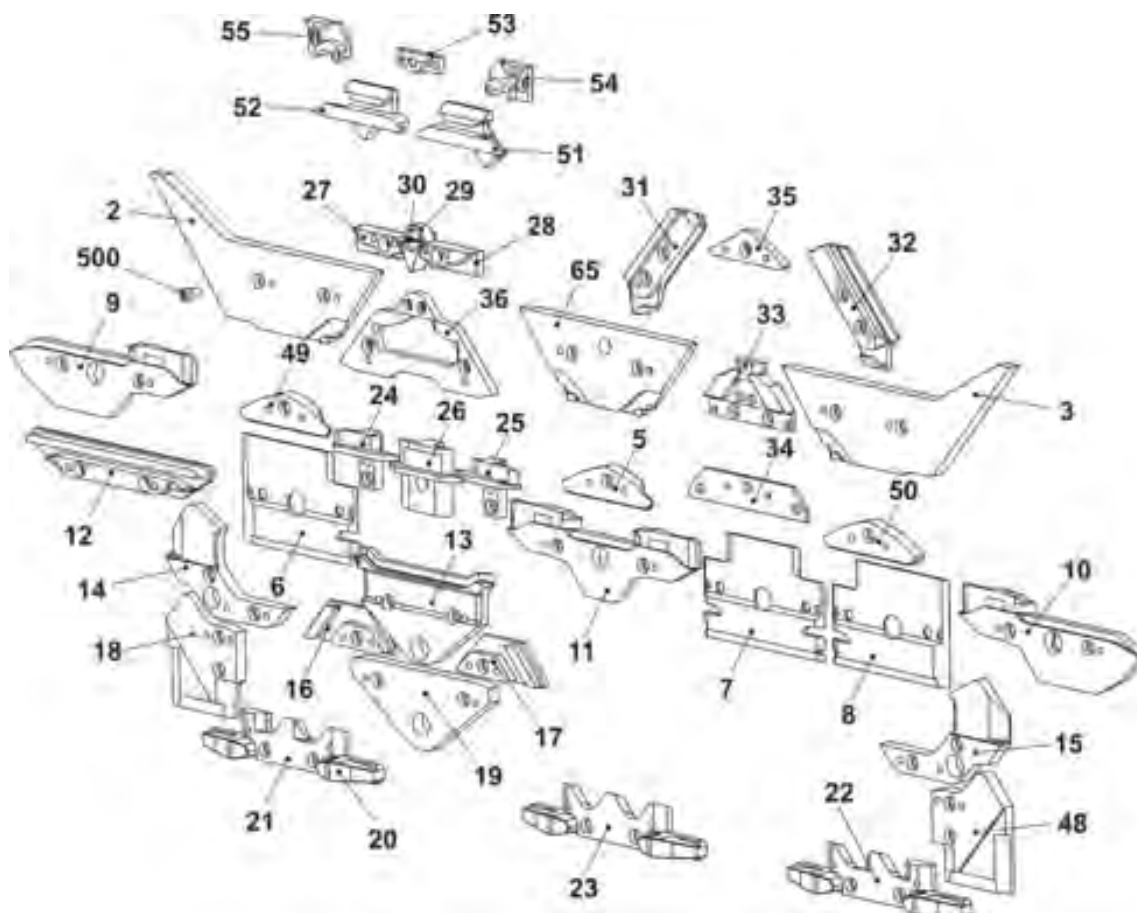
5.2.1 Cam part E7-8 (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E7-8	244 455	61	Control slide complete	219 998
1	Cam plate	242 337	61a	Control slide	219 914
37	Loop sinking cam on the right completeE5-10	219 992	61b	Control part on the left	228 825
38	Loop sinking cam on the left completeE5-10	219 991	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	209 792	561	Cap screw M4x8	022 501
41b	Spring rod	209 791	562	Washer4,3x7x2,0	023 597
541	Disk4,3x7x0,5	022 153	563	Hexagon screw M4x8	022 461
542	Circlip 3,2	021 019	505	Shim0,03x12x75	022 828
543	Compression spring	250 515	506	Shim0,05x12x75	022 829
42	Switching piece	240 281	507	Shim0,1x12x75	022 830
46	Shoulder screw	239 626	508	Shim0,2x12x75	022 831
			509	Pan-head screw M3x4	023 142



5.2.1.1 Cam parts E7-8 (Lower side)

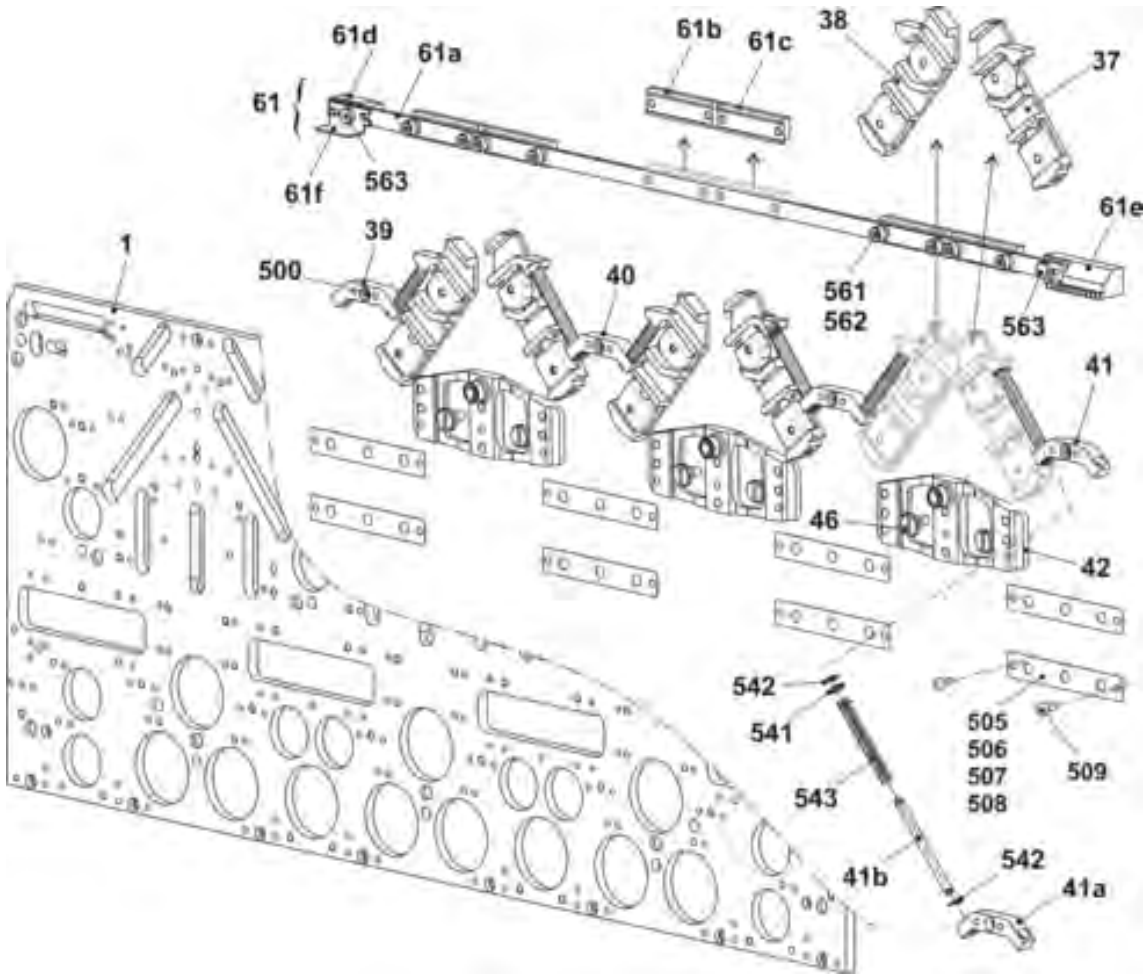
Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E3	244 455	25	Pressure part receiving on the right	239 849
2	Entry cam on the left	228 662	26	Tuck pressure part	239 621
3	Entry cam on the right	228 663	27	Limiting cam on the left E7-8	219 929
5	Entry cam at the bottom E5-8	212 395	28	Limiting cam on the right E7-8	219 930
6	Plate on the left	230 988	29	Pointer E5-8	218 648
7	Plate in the middle	231 035	30	Screw	210 335
8	Plate on the right	231 036	31	Stitch cam on the left E7-8	210 324
9	Cam on the left	231 039	32	Stitch cam on the right E7-8	210 323
10	Cam part at the right	231 041	33	Tuck limiting cam E7-8	255 056
11	Cam part at the center	231 040	34	Raising cam plate E4-12	204 372
12	Cam part	227 923	35	Receiving cam E7-8	210 339
13	Cam part	210 254	36	Raising cam without split-stitch E7-8	255 055
14	Cam on the left E5-14	212 265		Raising cam with split-stitch E7-8 (Accessories)	255 192
15	Cam at the right E5-14	212 266	48	Cam at the right E5-14	212 275
16	Cam on the left	236 192	49	Entry cam on the left E5-8	213 161
17	Cam part at the right	236 193	50	Entry cam on the right E5-8	213 162
18	Cam on the left E5-14	212 274	51	Jack slider on the right	227 270
19	Cam part	210 252	52	Jack slider on the left	227 269
20	Offering cam	210 185	53	Jack opener	219 434
21	Selection cam on the left	212 944	54	Floating cam at the right E7-8	227 274
22	Selection cam on the right	212 947	55	Floating cam at the left E7-8	227 273
23	Selection cam	212 946	65	Entry cam at the top	210 285
24	Pressure part receiving on the left	239 848	500	Cap screw M4x8	020 091



5.2 Overview of carriage, continuation

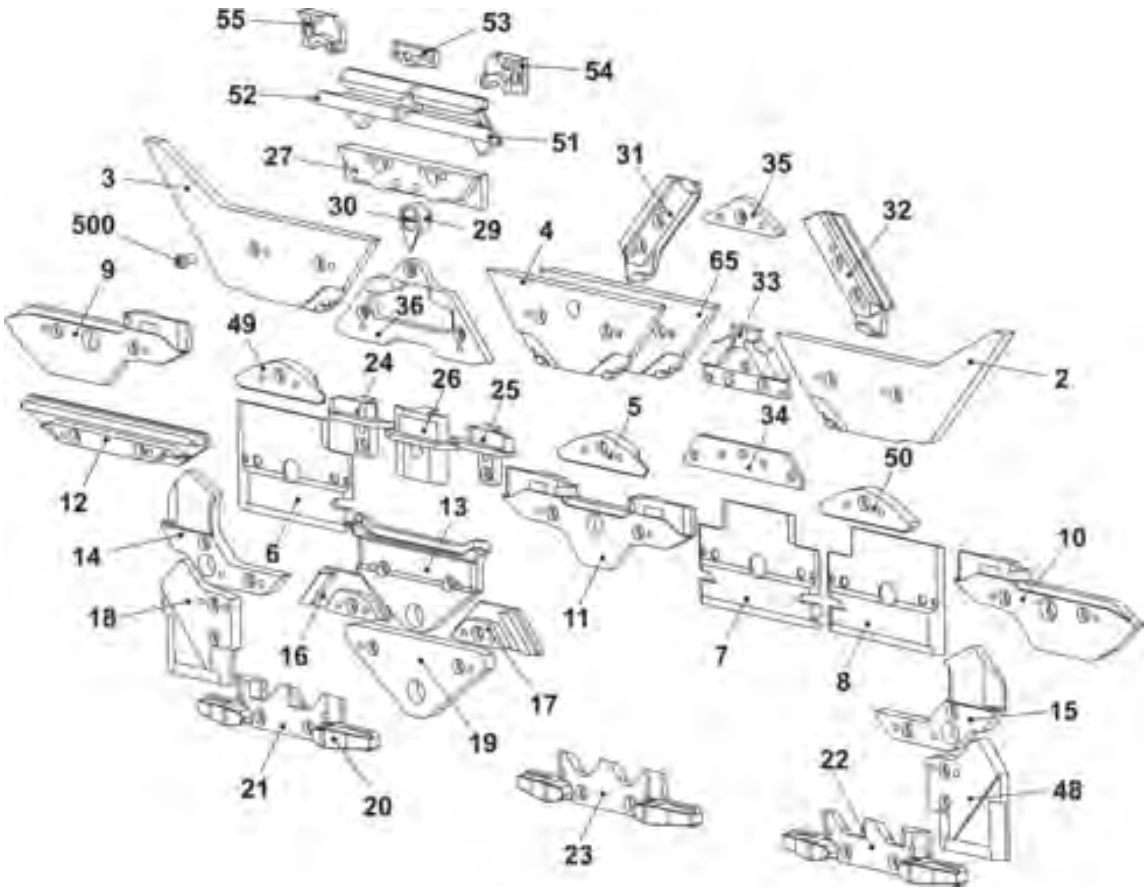
5.2.2 Cam parts E10 (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete E10	244 686	61	Control slide complete	219 998
	Cam box at the rear complete E10	244 687		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 completeE5-10	219 992		61c Control part on the right	228 826
38	Loop sinking cam on the left completeE5-10	219 991		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 part	209 792		562 Washer4,3x7x2,0	023 597
	41b Spring rod	209 791		563 Hexagon screw M4x8	022 461
	541 Disk4,3x7x0,5	022 153	505	Shim0,03x12x75	022 828
	542 Circlip 3,2	021 019	506	Shim0,05x12x75	022 829
	543 Compression spring	250 515	507	Shim0,1x12x75	022 830
42	Switching piece	240 281	508	Shim0,2x12x75	022 831
46	Shoulder screw	239 626	509	Pan-head screw M3x4	023 142



5.2.2.1 Cam parts E10 (Bottom side)

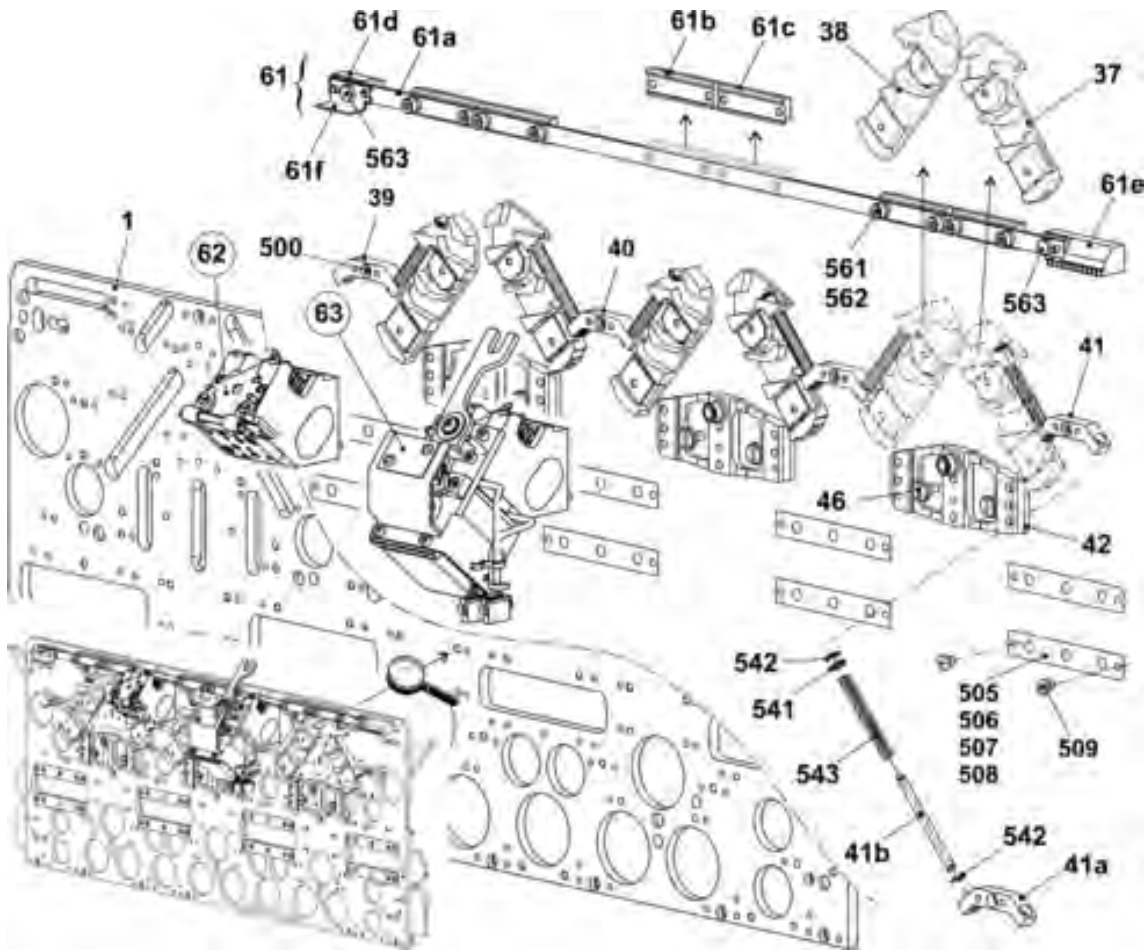
Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete E10	244 686	24	Pressure part receiving on the left	239 848
	Cam box at the rear complete E10	244 687	25	Pressure part receiving on the right	239 849
2	Entry cam on the right pulling	224 767	26	Tuck pressure part	239 621
3	Entry cam 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	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 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	227 923	36	Raising cam without split-stitchE6.2	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	227 270
18	Cam on the left E5-14	212 274	52	Jack slider on the left	227 269
19	Cam part	210 252	53	Jack opener	219 434
20	Offering cam	210 185	54	Floating cam at the right E10	227 276
21	Selection cam on the left	212 944	55	Floating cam at the left E10	227 275
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



5.2 Overview of carriage, continuation

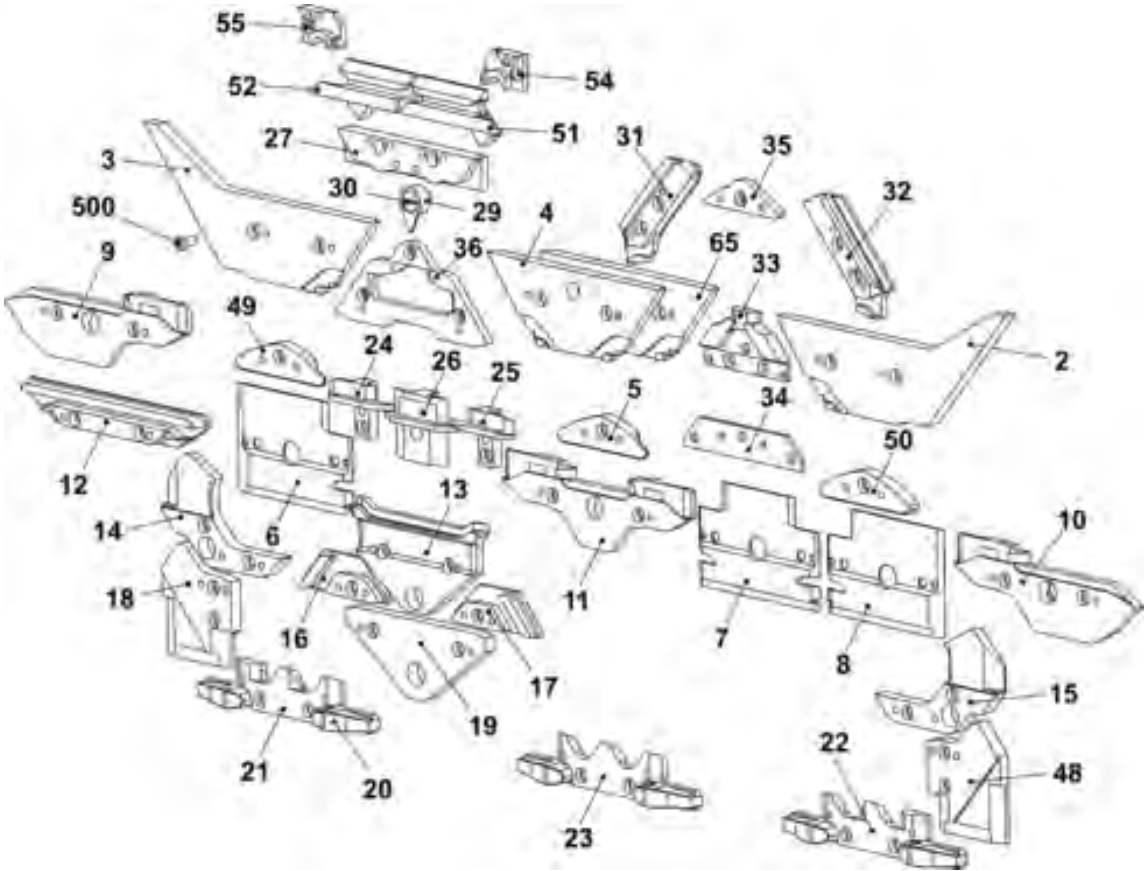
5.2.3 Cam parts E12 (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete E12	244 639	61	Control slide complete	219 998
	Cam box at the rear complete E12	244 640	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 part	209 792	562	Washer4,3x7x2,0	023 597
41b	Spring rod	209 791	563	Hexagon screw M4x8	022 461
541	Disk4,3x7x0,5	022 153	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	Shim0,03x12x75	022 828
42	Switching piece	240 281	506	Shim0,05x12x75	022 829
46	Shoulder screw	239 626	507	Shim0,1x12x75	022 830
509	Pan-head screw M3x4	023 142	508	Shim0,2x12x75	022 831



5.2.3.1 Cam parts E12 (Bottom side)

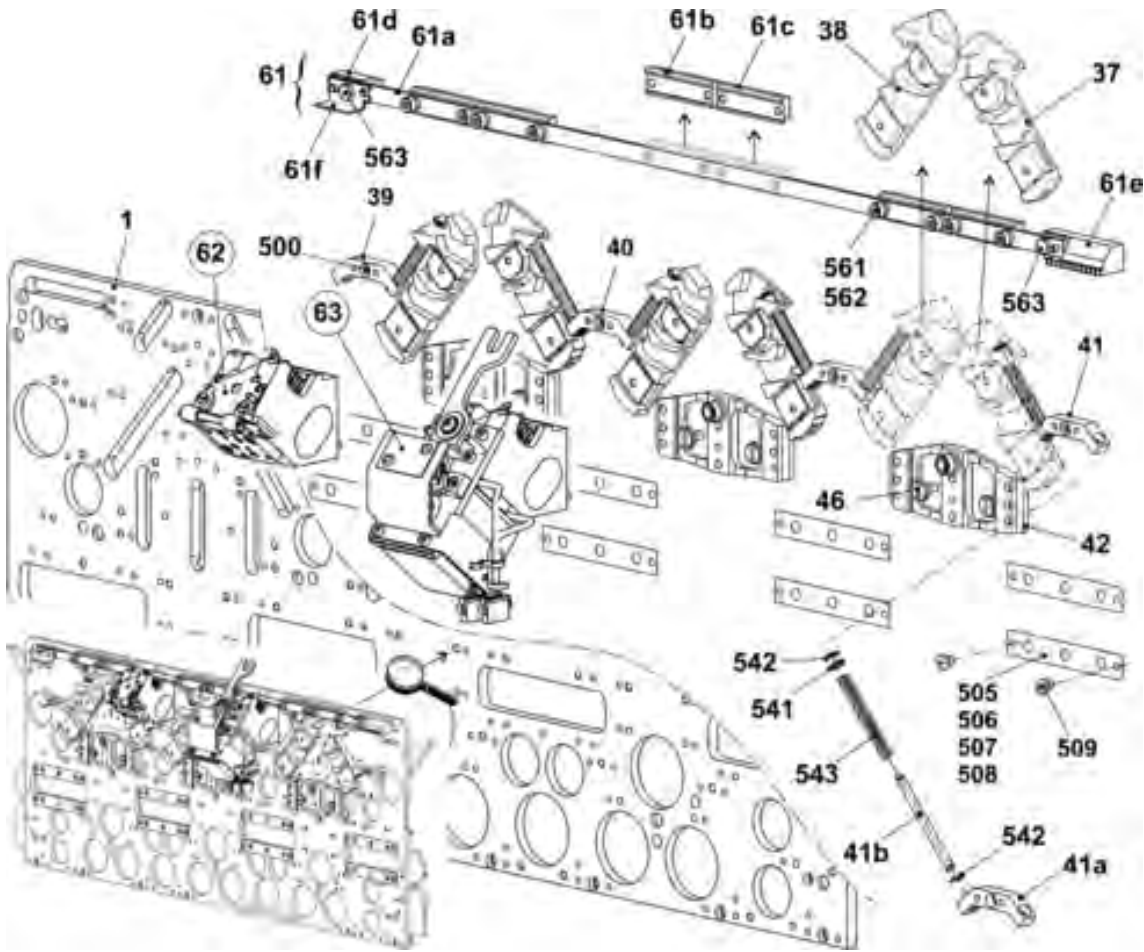
Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box at the front complete E12	244 639	24	Pressure part receiving on the left	239 848
	Cam box at the rear complete E12	244 640	25	Pressure part receiving on the right	239 849
2	Entry cam on the right pulling	224 767	26	Tuck pressure part	239 621
3	Entry cam 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-stitchE6.2	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	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			



5.2 Overview of carriage, continuation

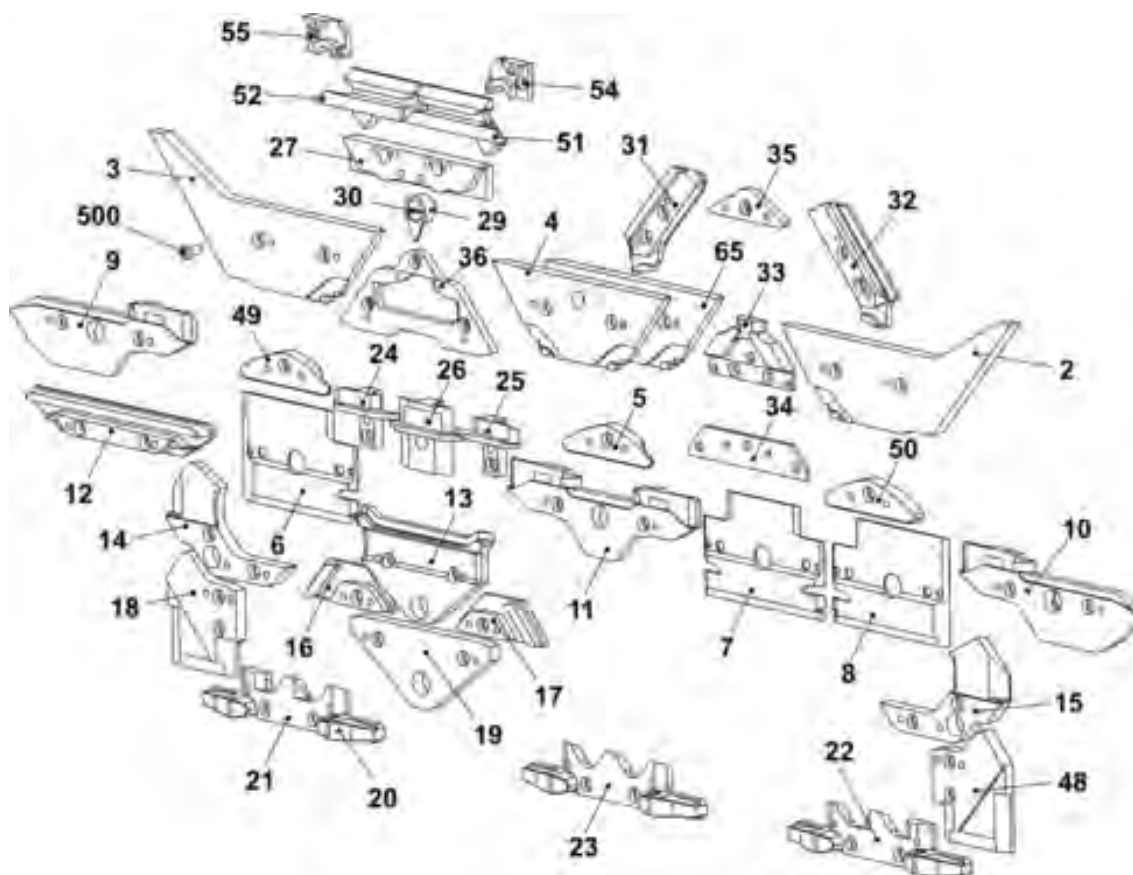
5.2.4 Cam parts E14 (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E14	244 022	61	Control slide complete	219 998
1	Cam plate	242 337	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 part	209 792	561	Cap screw M4x8	022 501
41b	Spring rod	209 791	562	Washer4,3x7x2,0	023 597
541	Disk4,3x7x0,5	022 153	563	Hexagon screw M4x8	022 461
542	Circlip 3,2	021 019	62	Supporting block on the left complete	219 995
543	Spring	023 344	63	Control unit complete	227 285
42	Switching piece	240 281	505	Shim0,03x12x75	022 828
46	Shoulder screw	239 626	506	Shim0,05x12x75	022 829
509	Pan-head screw M3x4	023 142	507	Shim0,1x12x75	022 830
			508	Shim0,2x12x75	022 831



5.2.4.1 Cam parts E14 (Bottom side)

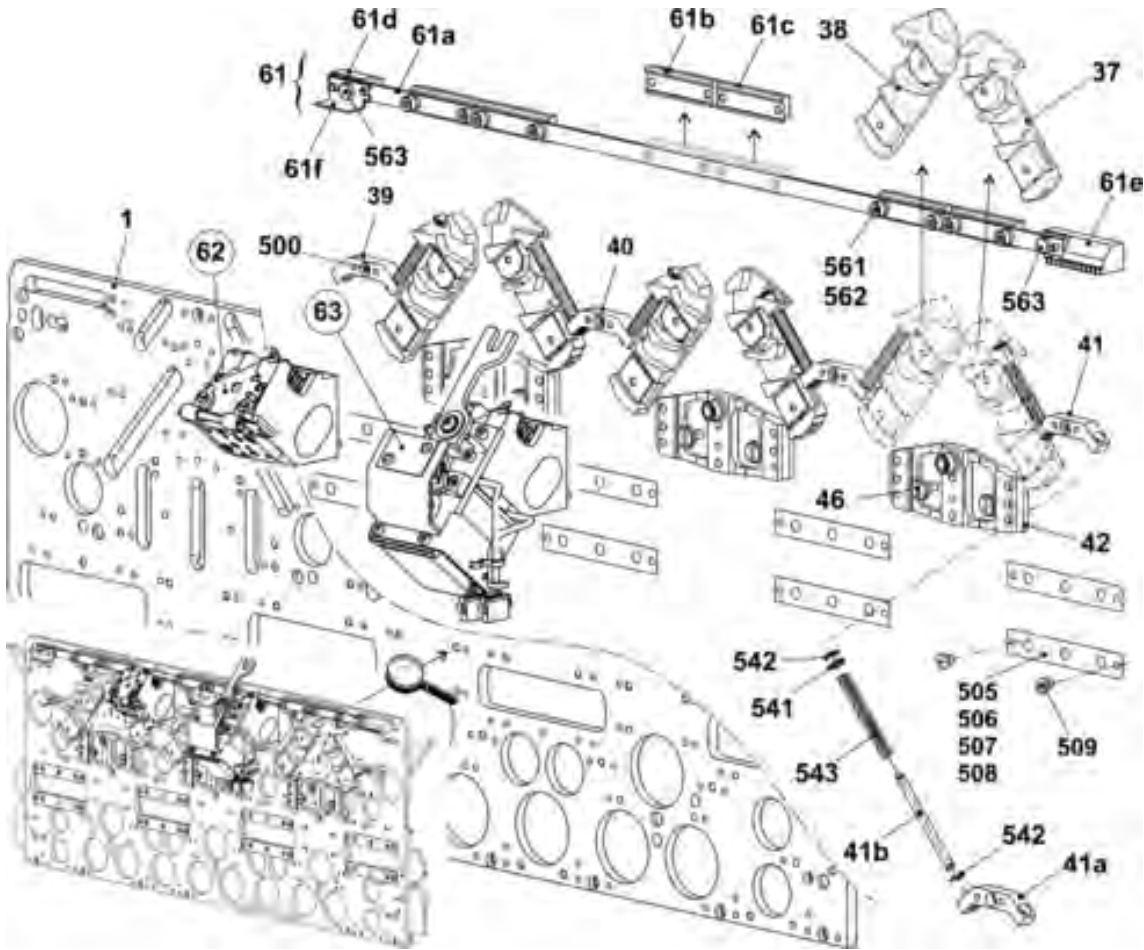
Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E14	244 022	24	Pressure part receiving on the left	239 848
2	Entry cam on the right pulling	224 767	25	Pressure part receiving on the right	239 849
3	Entry cam on the left pulling	224 766	26	Tuck pressure part	239 621
4	Entry cam at the top pulling	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	230 988	30	Screw	210 335
7	Plate in the middle	231 035	31	Stitch cam on the left E10-14	236 318
8	Plate on the right	231 036	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	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 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	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			



5.2 Overview of carriage, continuation

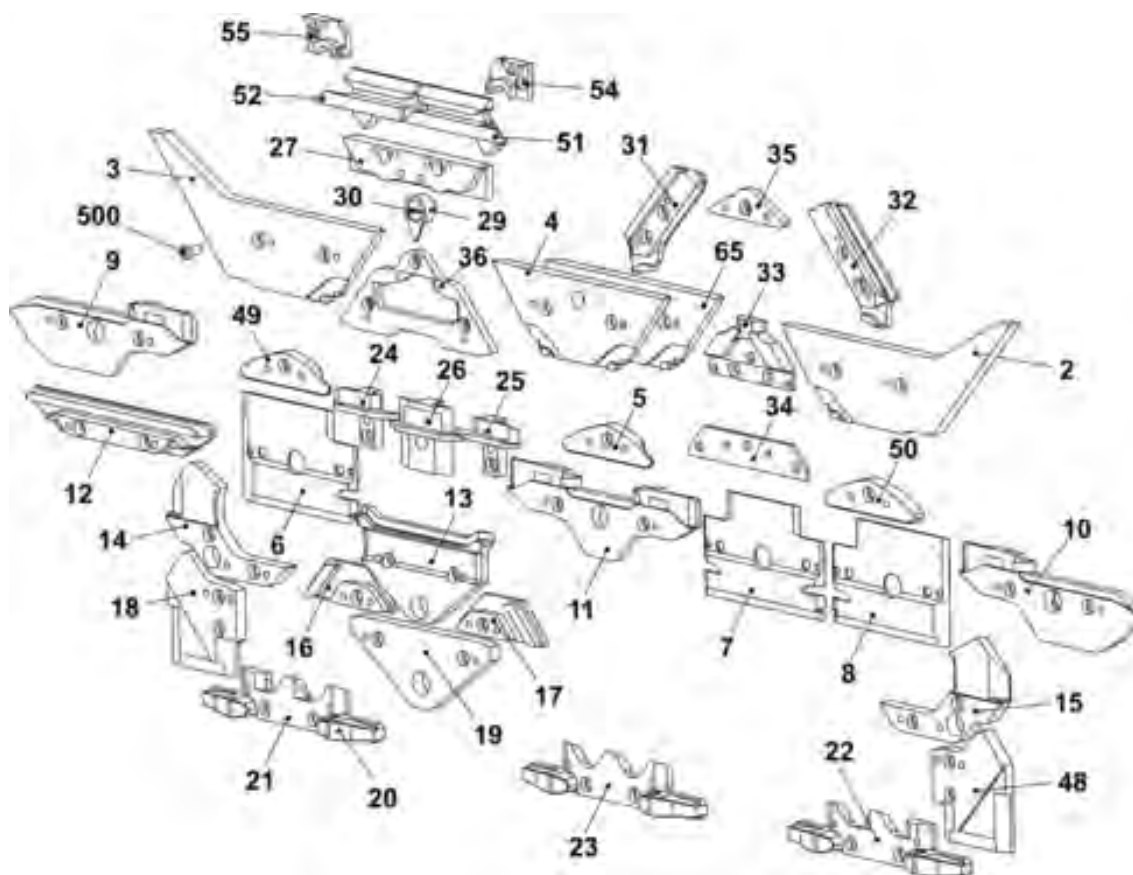
5.2.5 Cam parts E7.2 mg (Top side)

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E7.2 mg	257 491	61	Control slide complete	219 998
1	Cam plate	242 337	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 part	209 792	561	Cap screw M4x8	022 501
41b	Spring rod	209 791	562	Washer4,3x7x2,0	023 597
541	Disk4,3x7x0,5	022 153	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	Shim0,03x12x75	022 828
46	Shoulder screw	239 626	506	Shim0,05x12x75	022 829
509	Pan-head screw M3x4	023 142	507	Shim0,1x12x75	022 830
			508	Shim0,2x12x75	022 831



5.2.5.1 Cams E7.2 mg (bottom side)

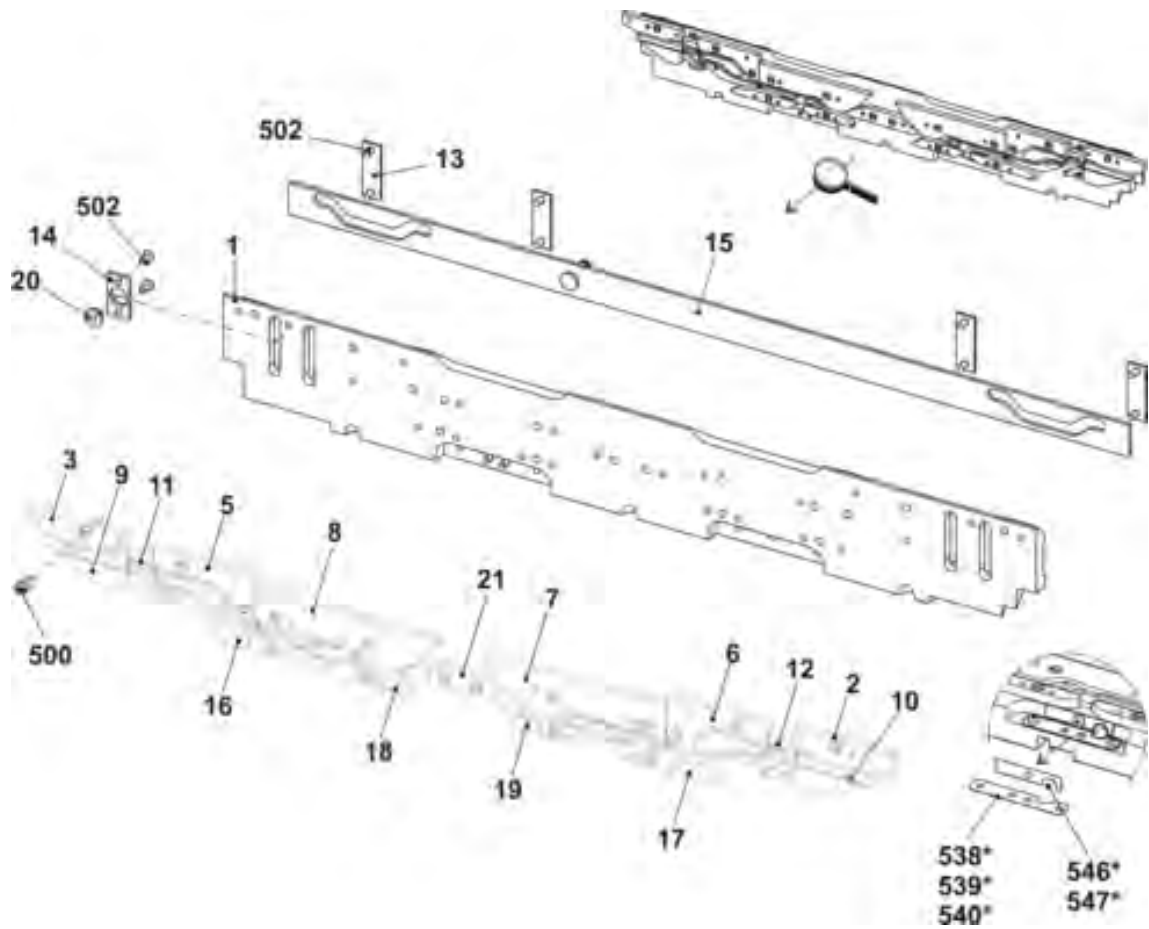
Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E7.2 mg	257 491	24	Pressure part receiving on the left	239 848
2	Entry cam on the right pulling	224 767	25	Pressure part receiving on the right	239 849
3	Entry cam on the left pulling	224 766	26	Tuck pressure part	239 621
4	Entry cam at the top pulling	224 572	27	Limiting cam E10	219 931
5	Entry cam at the bottom -1,5 E10-14	216 328	29	Pointer E10-14	210 349
6	Plate on the left	230 988	30	Screw	210 335
7	Plate in the middle	231 035	31	Stitch cam on the left E10-14+7.2	236 318
8	Plate on the right	231 036	32	Stitch cam on the right E10-14+7.2	236 319
9	Cam on the left	231 039	33	Tuck limiting cam E10+7.2	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 E10-12	210 595
12	Cam part	227 923	36	Raising cam without split-stitch E10-12	213 298
13	Cam part	210 254		Raising cam with split-stitch (Accessories)	213 300
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	256 655
18	Cam on the left E5-14	212 274	52	Jack slider on the left	256 654
19	Cam part	210 252	54	Floating cam at the right	256 658
20	Offering cam	210 185	55	Floating cam at the left	256 657
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			



5.2 Overview of carriage, continuation

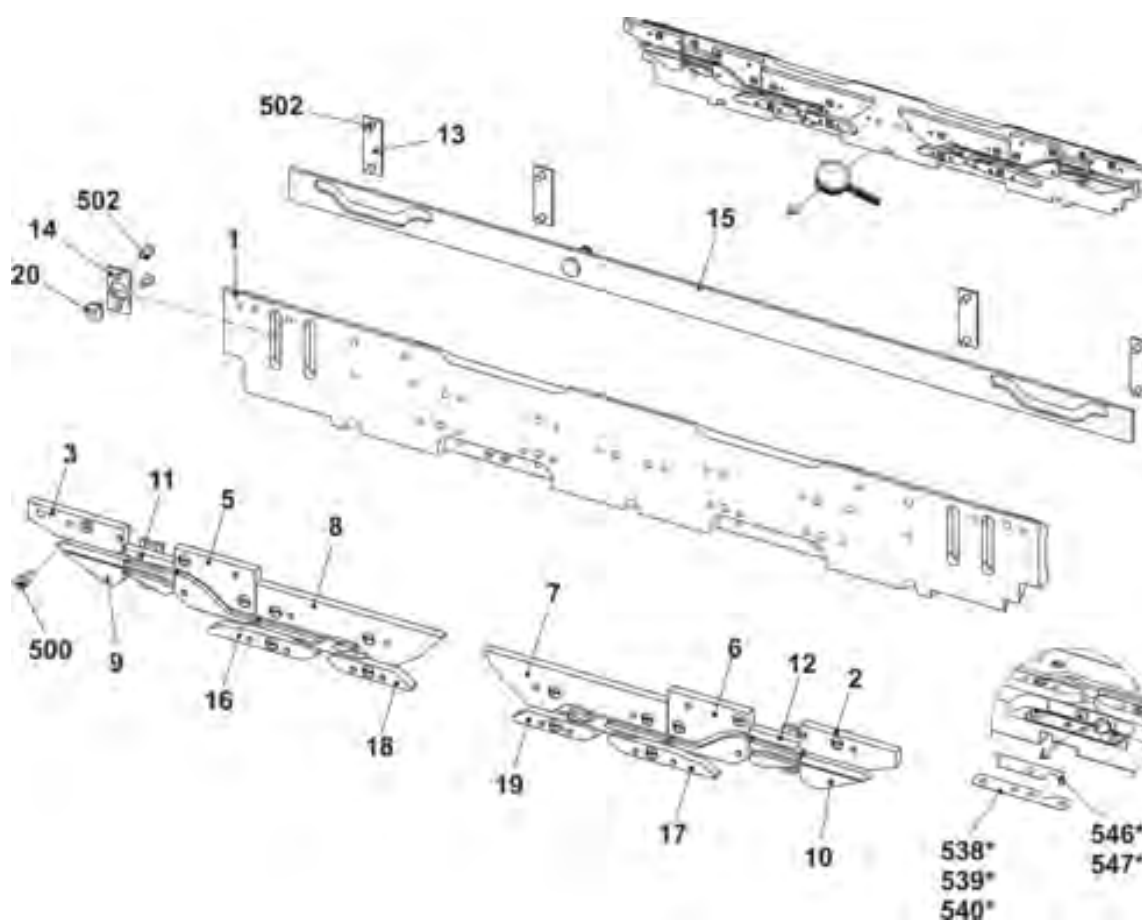
5.2.6 Additional cam box E7-8

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional cam complete E3	224 856		15	Slider complete	224 854
1	Additional cam plate	224 751		16	Collecting part on the left	226 691
2	Racking entry cam on the right	227 905		17	Collecting part on the right	226 692
3	Racking entry cam on the left	227 904		18	Collecting part on the left	228 922
5	Central cam on the left E7-8	225 798		19	Collecting part on the right	228 923
6	Central cam on the right E7-8	225 800		20	Cap bush	225 855
7	Selection switch on the right	228 920		21	Additional part E7-8	229 991
8	Selection switch on the left	228 921		500	Cap screw M4x8	020 091
9	Entry switch on the left	227 902		502	Countersunk screw M3x6	020 286
10	Entry switch on the right	227 903		538*	Shim0,03x10x50	023 622
11	Switching part on the left E5-8	227 906		539*	Shim0,05x10x50	023 548
12	Switching part on the right E5-8	227 907		540*	Shim0,1x10x50	023 549
13	Guiding plate	224 771		546*	Shim0,05x7x36	239 606
14	Slider cover plate	224 776		547*	Shim0,1x7x36	239 607



5.2.7 Additional cam box E10-14

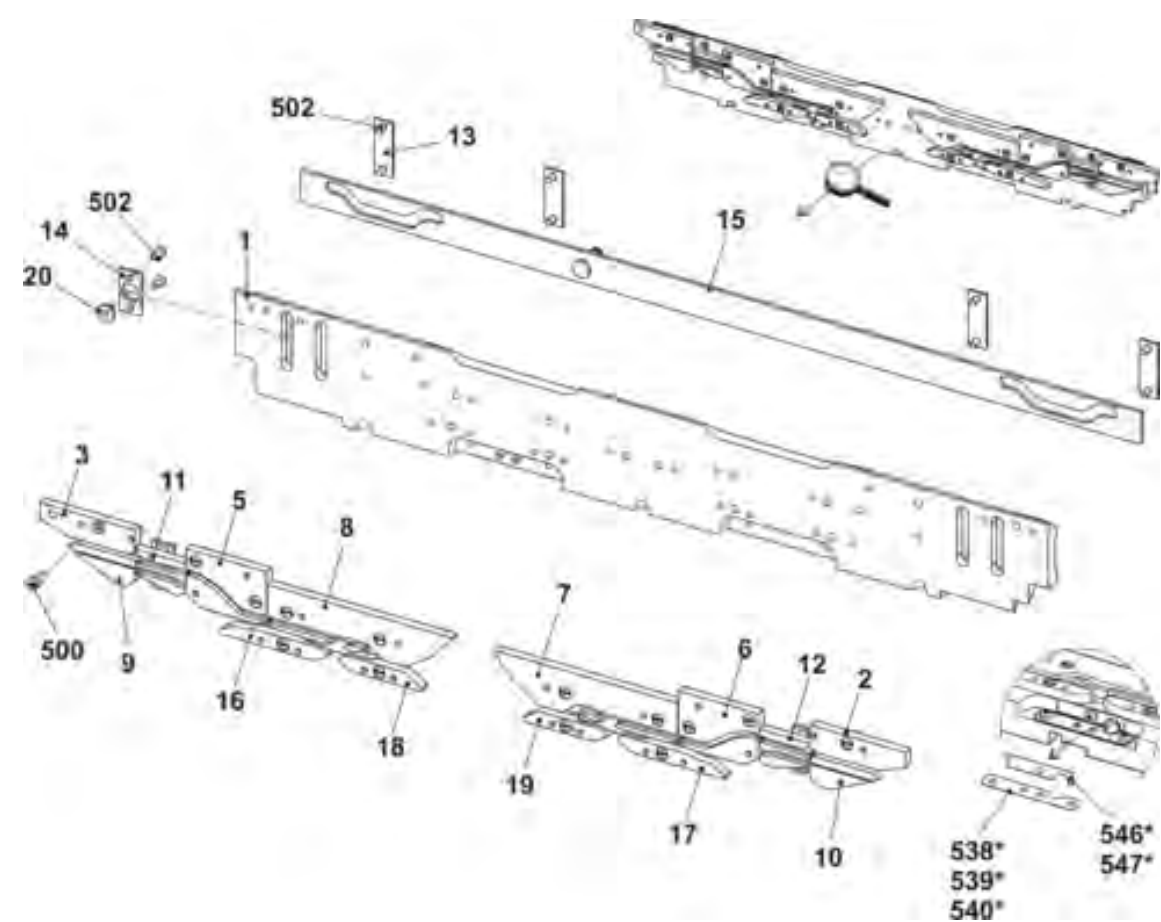
Pos	Designation	ID		Pos	Designation	ID
Σ	Additional cam complete E3	224 857				
1	Additional cam plate	224 751		15	Slider complete	224 854
2	Racking entry cam on the right	228 844		16	Collecting part on the left	226 691
3	Racking entry cam on the left	228 848		17	Collecting part on the right	226 692
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*	Shim0,03x10x50	023 622
11	Switching part on the left E10-14	230 422		539*	Shim0,05x10x50	023 548
12	Switching part on the right E10-14	230 423		540*	Shim0,1x10x50	023 549
13	Guiding plate	224 771		546*	Shim0,05x7x36	239 606
14	Slider cover plate	224 776		547*	Shim0,1x7x36	239 607



5.2 Overview of carriage, continuation

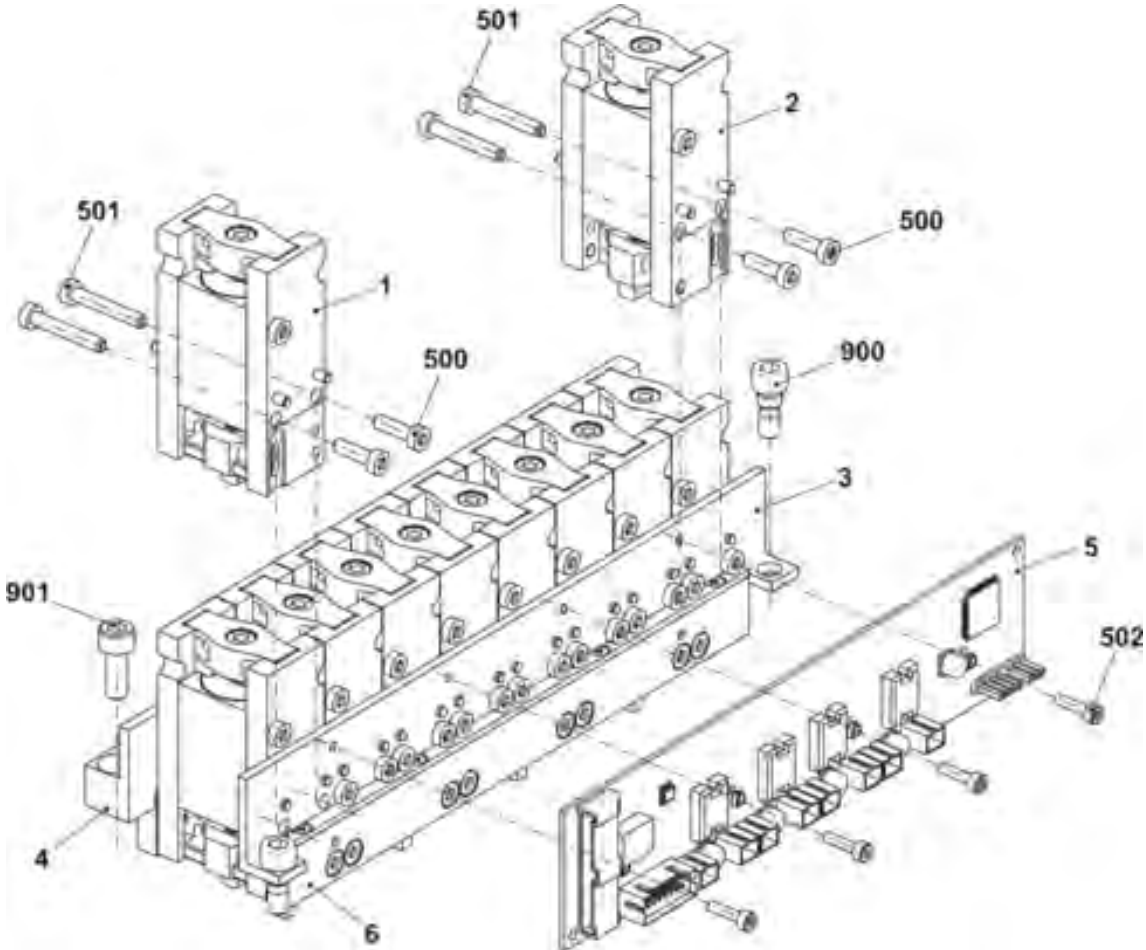
5.2.8 Additional cam box E7.2 mg

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional cam complete E7.2	238 144				
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 E6.2+7.2	237 160		18	Collecting part on the left	228 922
6	Central cam on the right E6.2+7.2	237 161		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 leftE10-14	228 832		502	Countersunk screw M3x6	020 286
10	Entry switch on the rightE10-14	228 823		538*	Shim0,03x10x50	023 622
11	Switching part on the left E6.2+7.2	237 601		539*	Shim0,05x10x50	023 548
12	Switching part on the right E6.2+7.2	237 600		540*	Shim0,1x10x50	023 549
13	Guiding plate	224 771		546*	Shim0,05x7x36	239 606
14	Slider cover plate	224 776		547*	Shim0,1x7x36	239 607



5.2.9 Yarn carrier driving without guide part

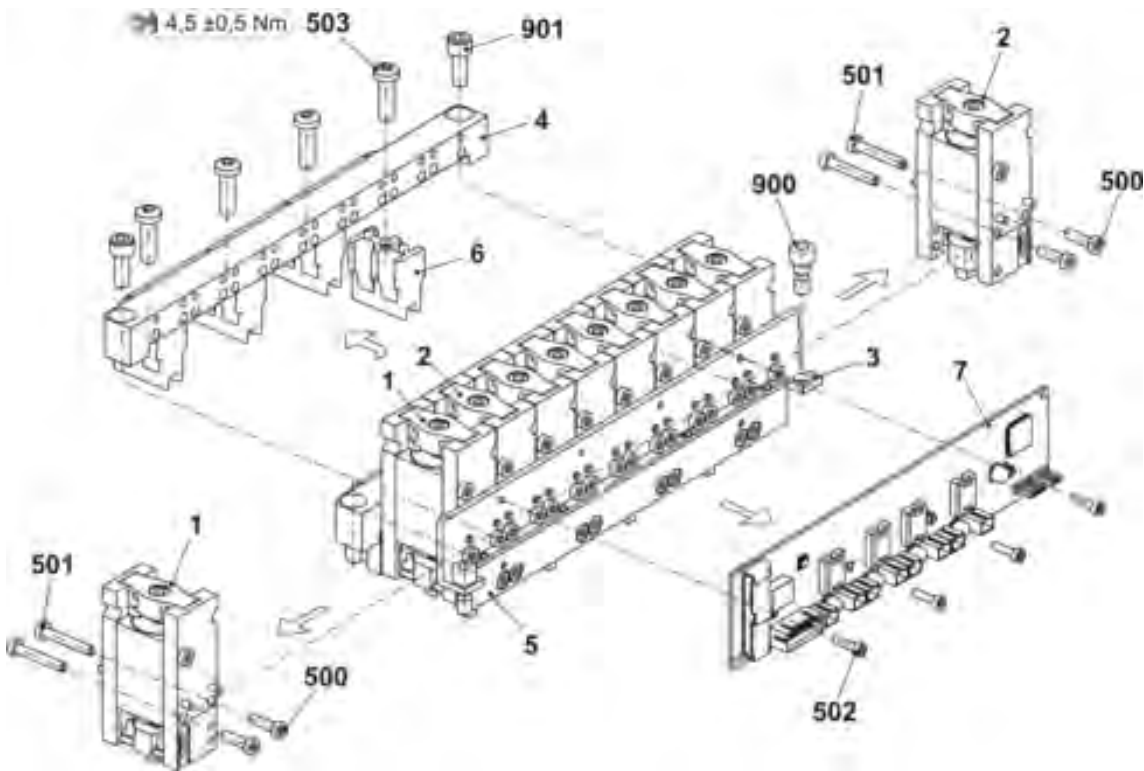
Pos	Designation	ID		Pos	Designation	ID
Σ	FF driving outside complete	245 297		6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080		500	Cap screwM4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screwM4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screwM3x12-12.9	022 648
4	Holding block outside	245 294		900	Shoulder screw	231 899
5	Card yarn carrier final stagesOKC	300 960		901	Cap screwM6x16	020 135



5.2 Overview of carriage, continuation

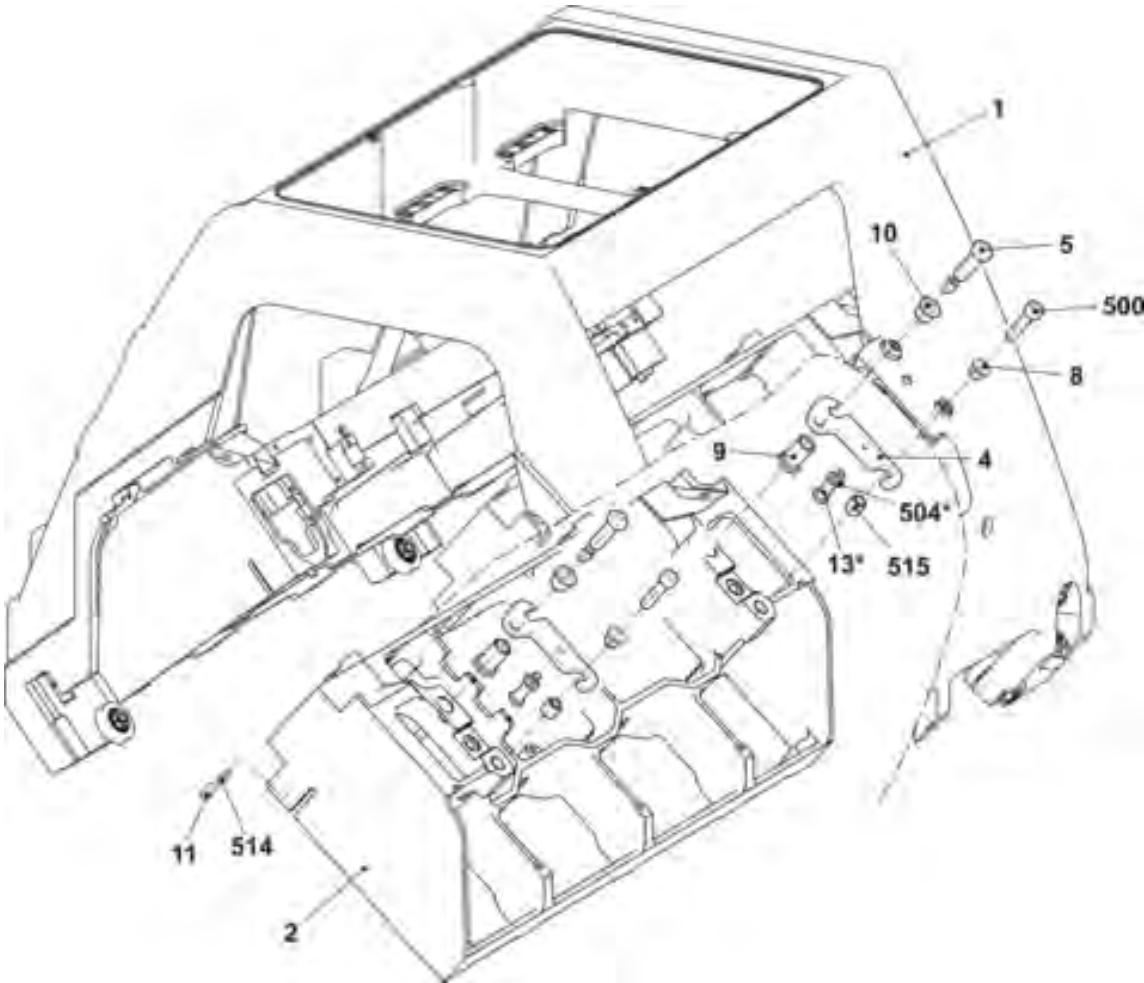
5.2.10 Yarn carrier driving with guide part

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 screwM4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screwM4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screwM3x12-12.9	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 screwM6x16	020 135



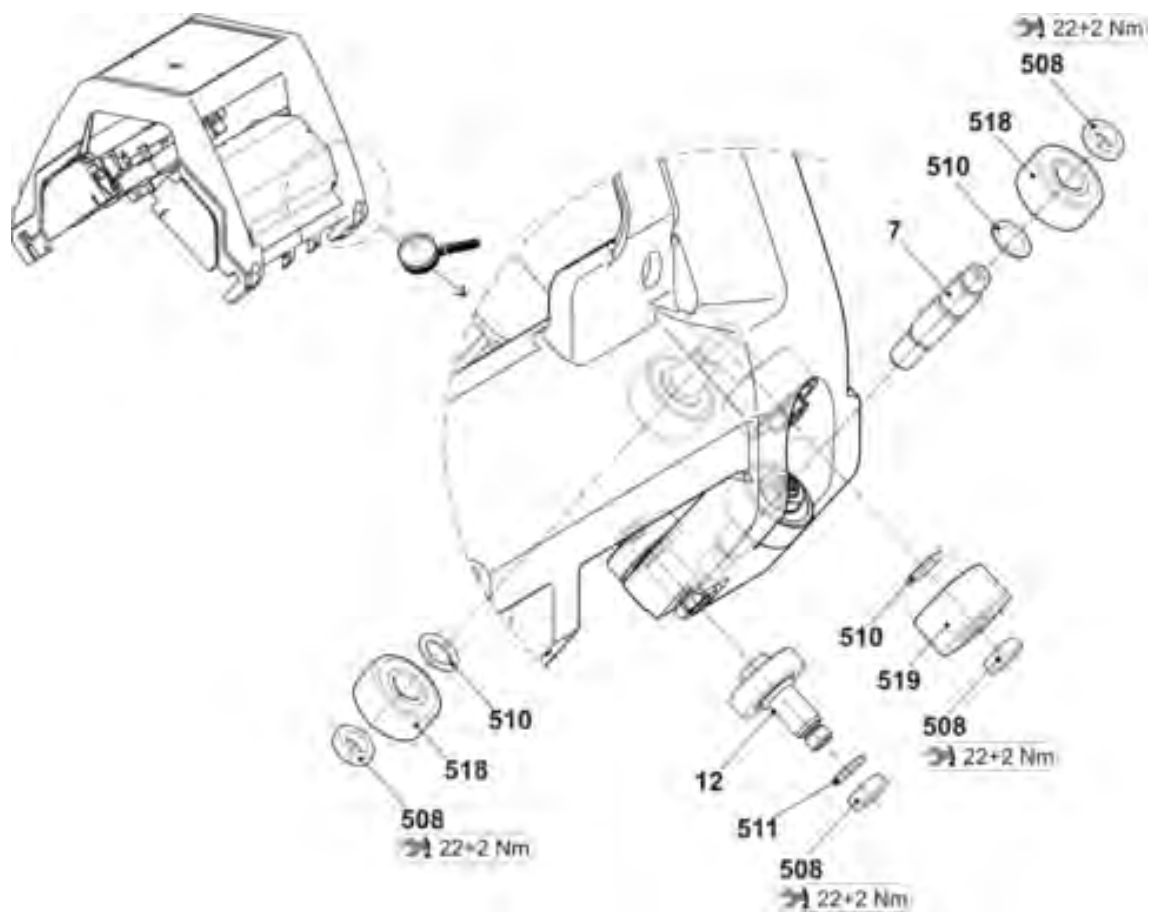
5.2.11 Carriage assembly

Pos	Designation	ID		Pos	Designation	ID
Σ	Carriage assembly 3 cam boxes complete	256 502		10	Bush	209 274
1	Carriage frame, 3 cam boxes	259 020		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



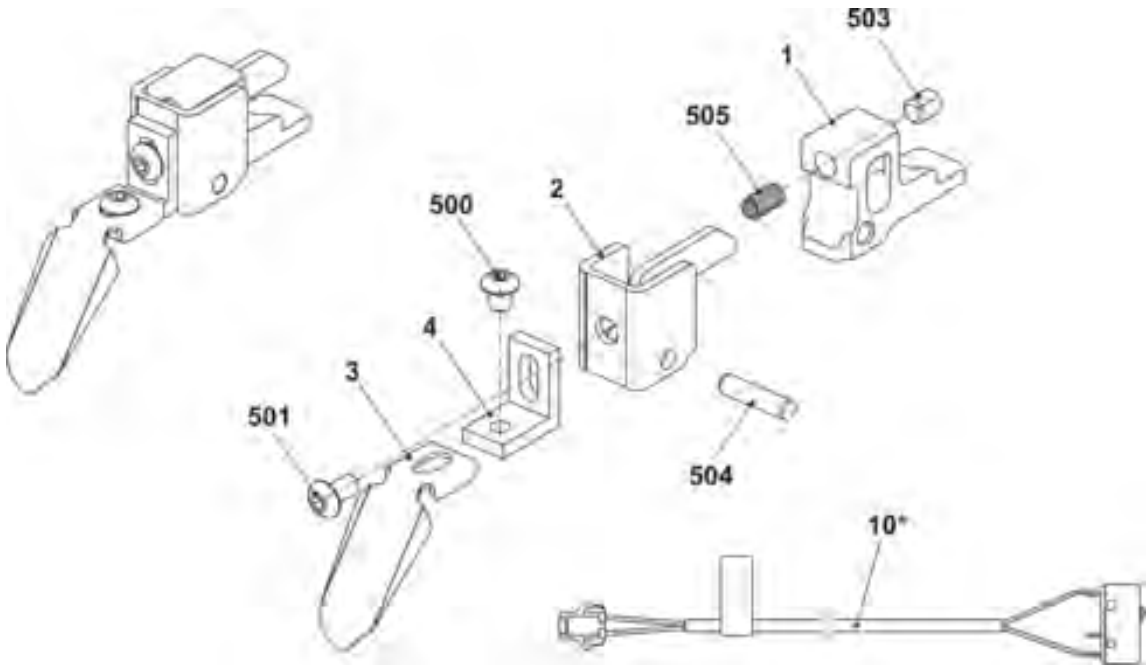
5.2.12 Carriage guide

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				



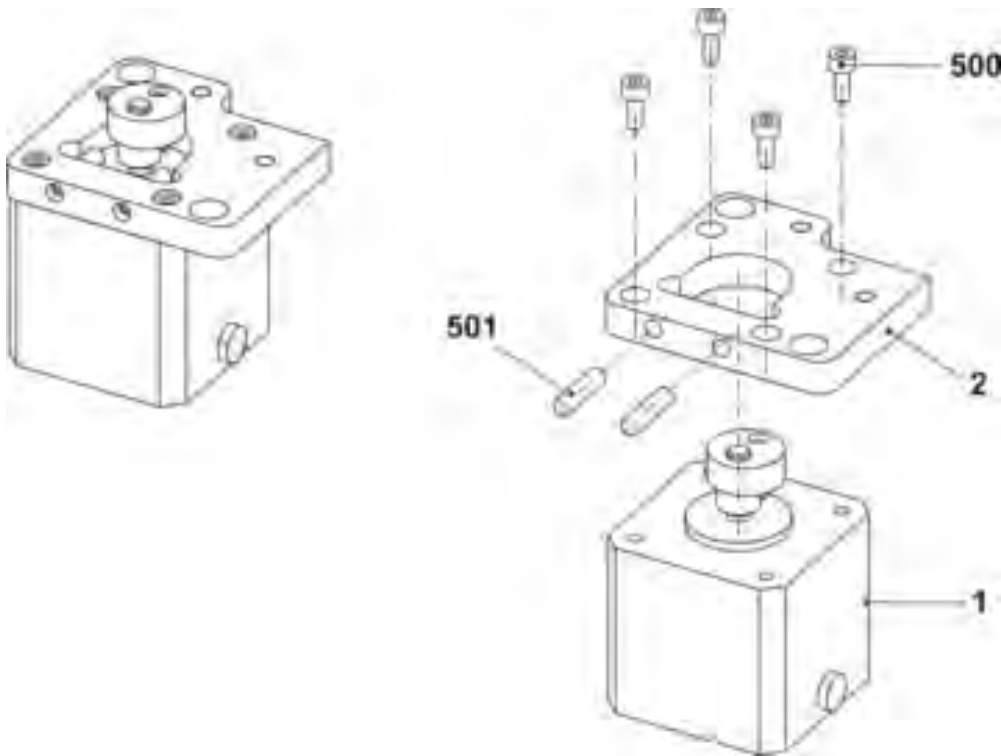
5.2.13 Needle detector

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



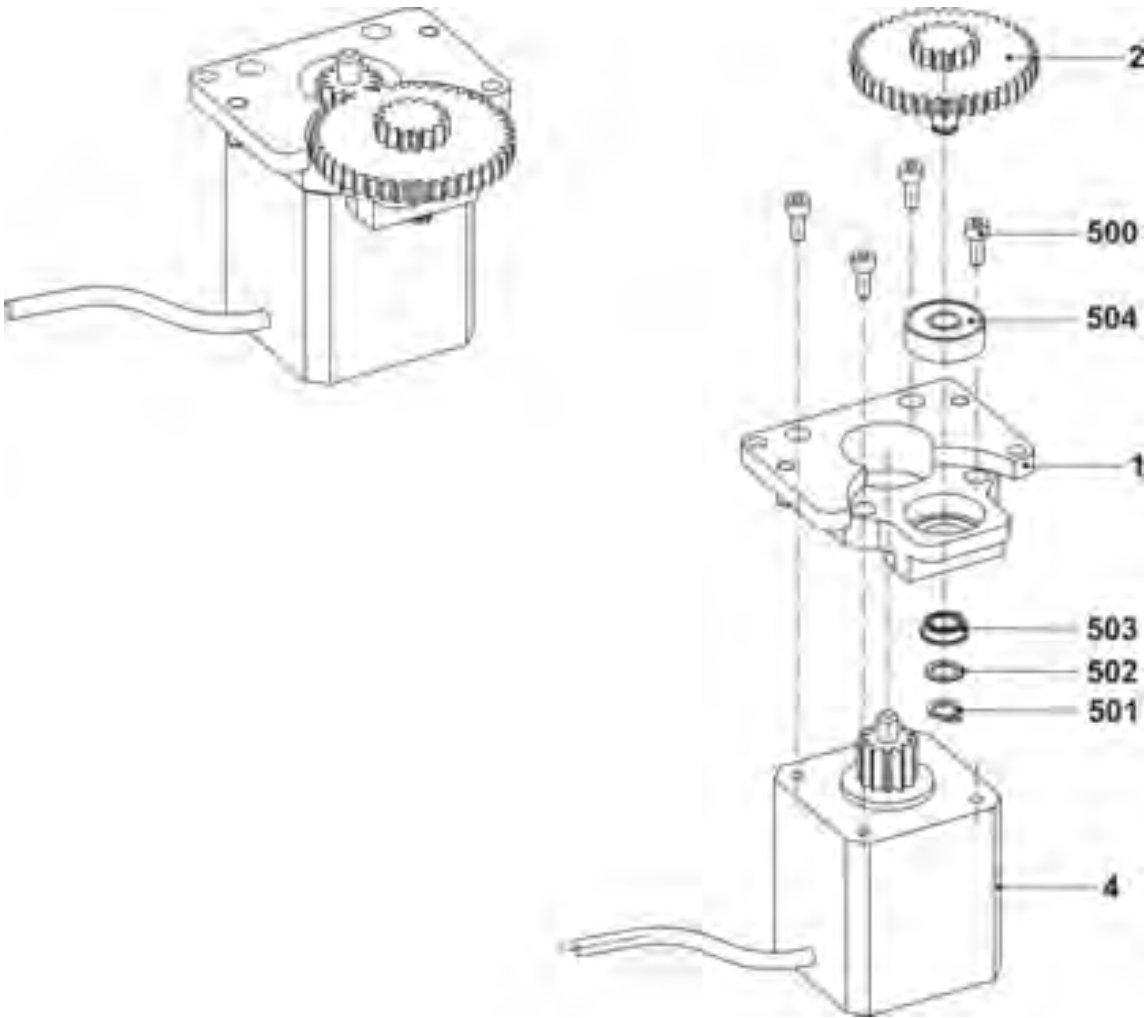
5.2.14 Control unit brush

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



5.2.15 Control unit holding-down jack

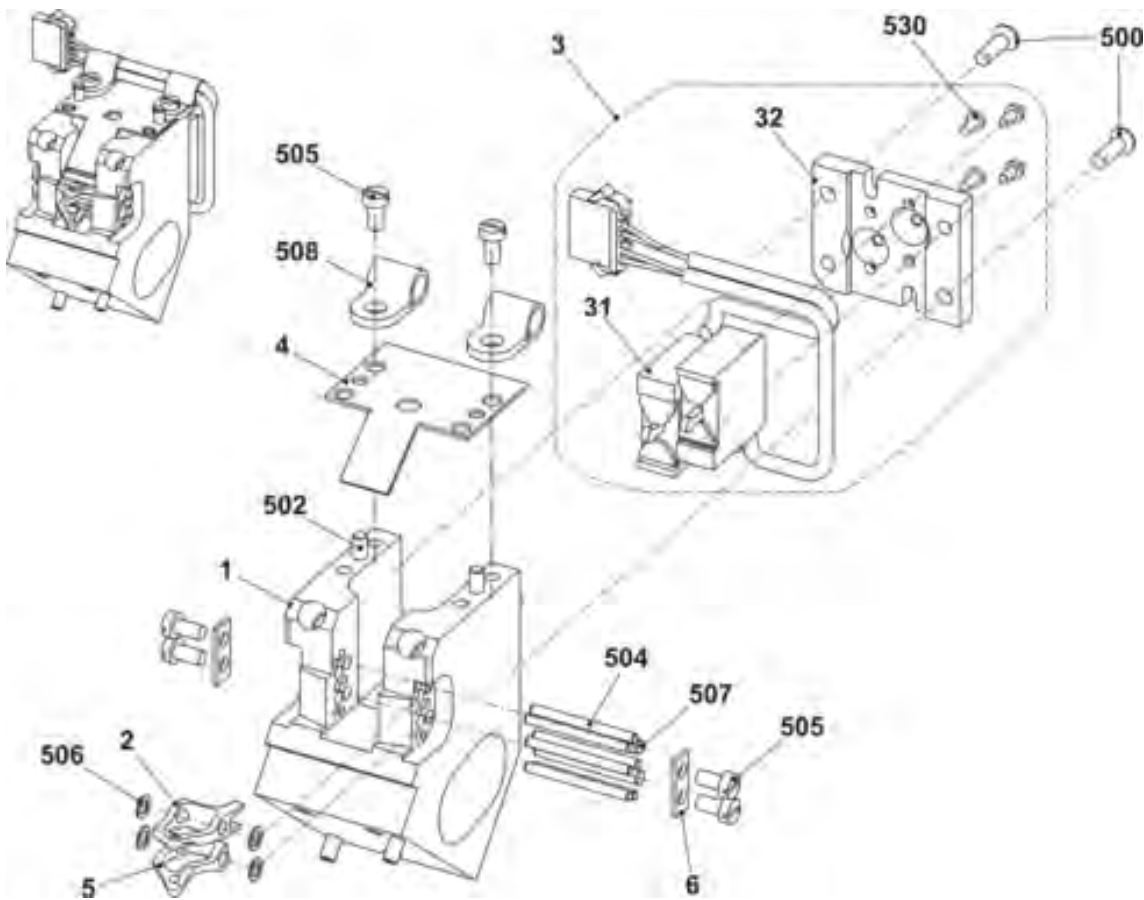
Pos	Designation	ID		Pos	Designation	ID
Σ	Control unit Holding-down jack	223 380				
1	Motor plate on the right	222 837		501	Locking ring 6x0,7	023 298
2	Gear wheels	225 908		502	Disk6,1x9x0,5	023 554
4	Motor pre-assembled	220 071		503	Grooved ball bearing MF106HZZ-6x10x3	023 533
500	Cap screw M3x8	022 582		504	Grooved ball bearing 626-2RS	023 587



5.2 Overview of carriage, continuation

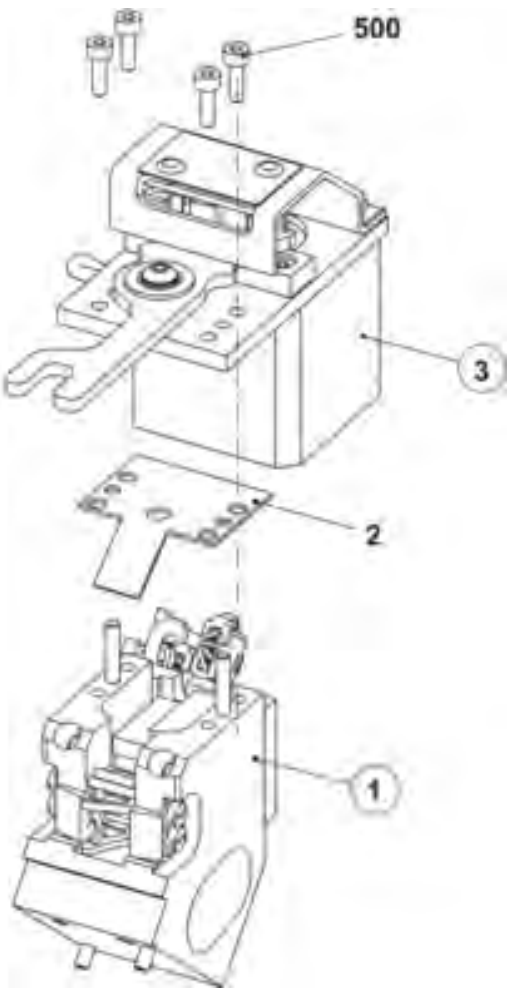
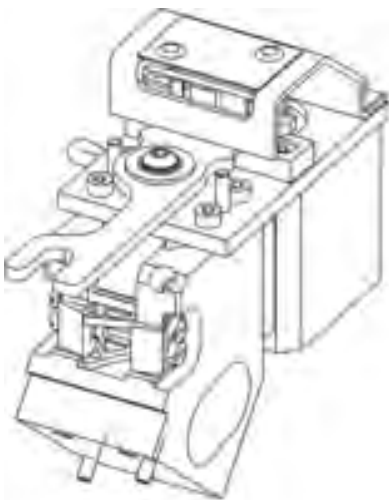
5.2.16 Supporting block on the left complete

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



5.2.17 Control unit complete

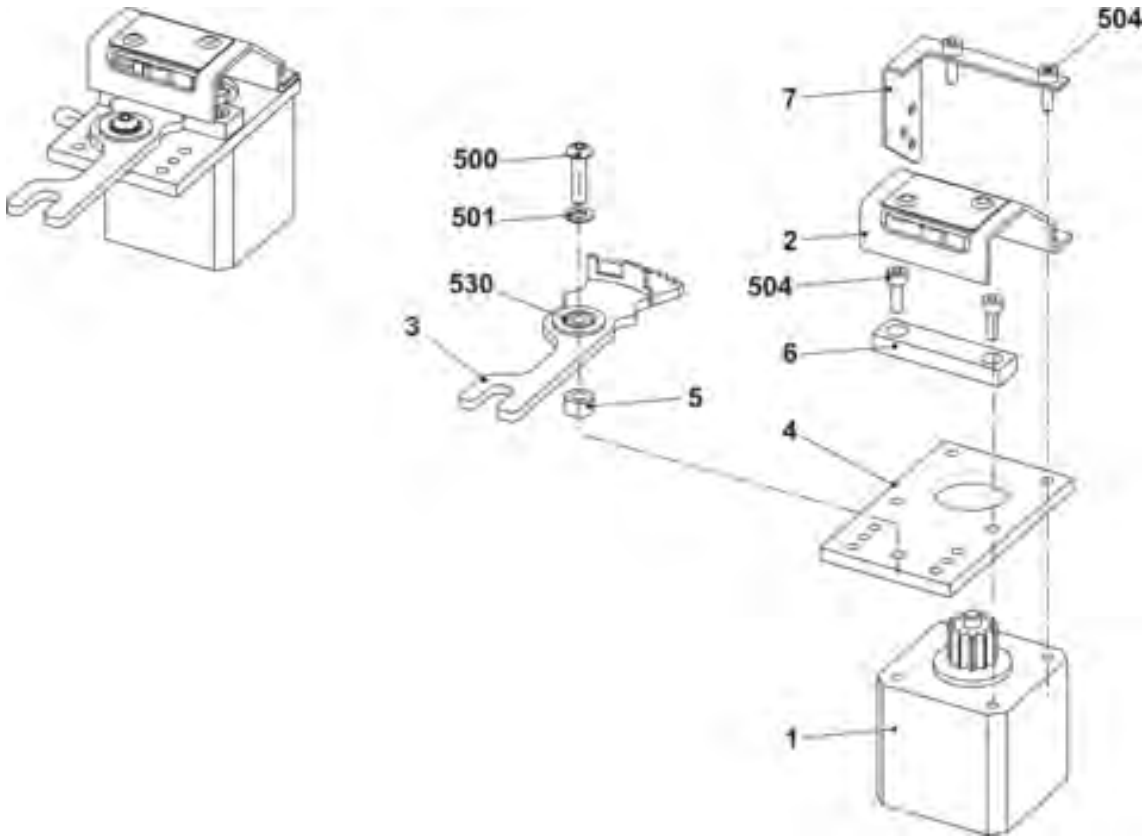
Pos	Designation	ID		Pos	Designation	ID
Σ	Control unit complete	227 285				
1	Supporting block on the right complete	224 741		3	Control unit complete E5-14	220 066
2	Cover plate	223 177		500	Cap screw M3X10	022 991



5.2 Overview of carriage, continuation

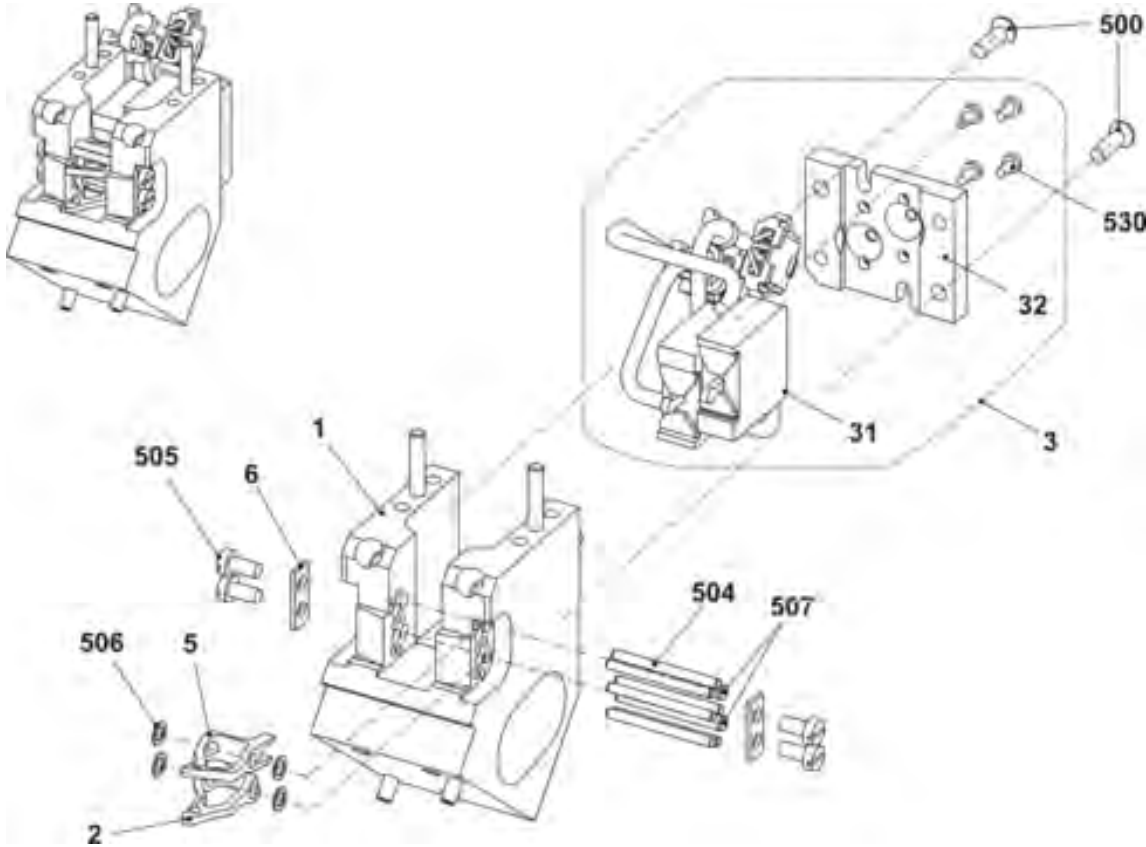
5.2.17.1 Control unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit completeE3	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			



5.2.17.2 Supporting block on the right complete

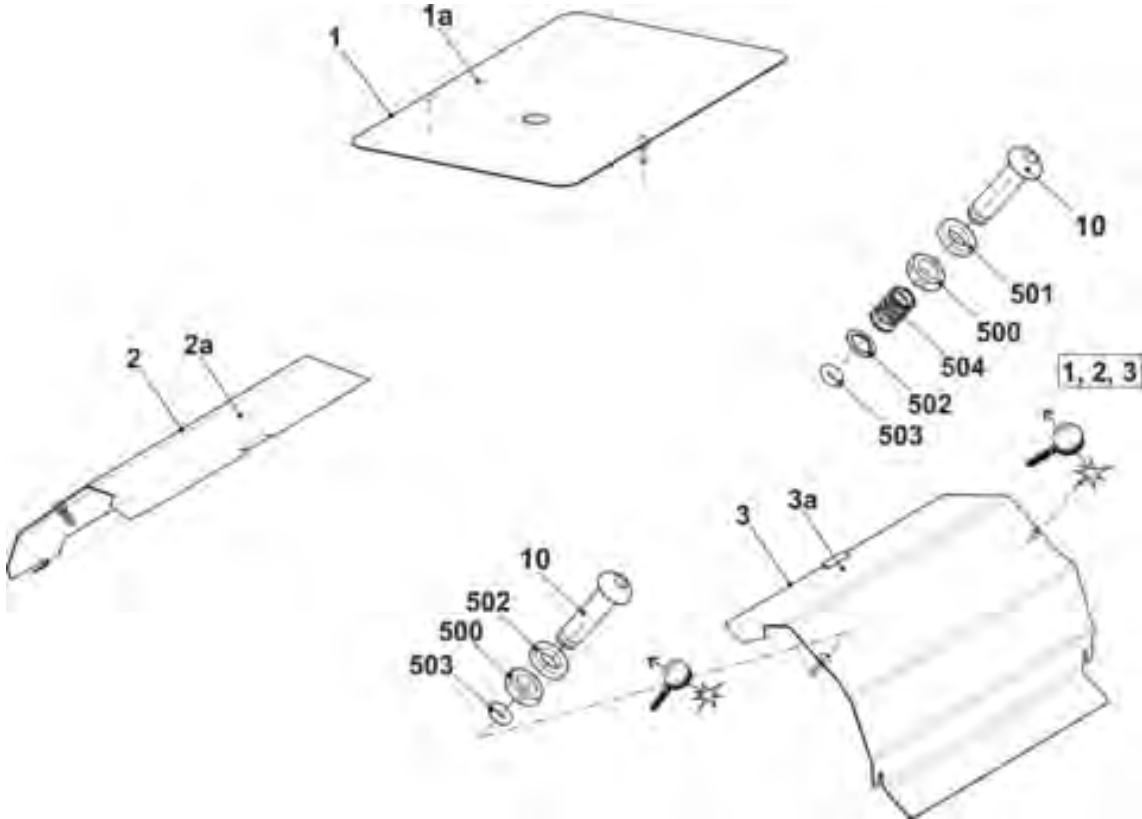
Pos	Designation		ID		Pos	Designation		ID
Σ	Supporting block on the right complete		224 741					
1	Supporting block E5-14		219 491		6	Safety plate		224 823
2	Rocker no.1		224 435		500	Pan-head screw M3x10-4.8		020 288
3	Selection complete E5-14		220 020		504	Dowel pin2x24		023 494
	31	Magnet system	220 021		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 Overview of carriage, continuation

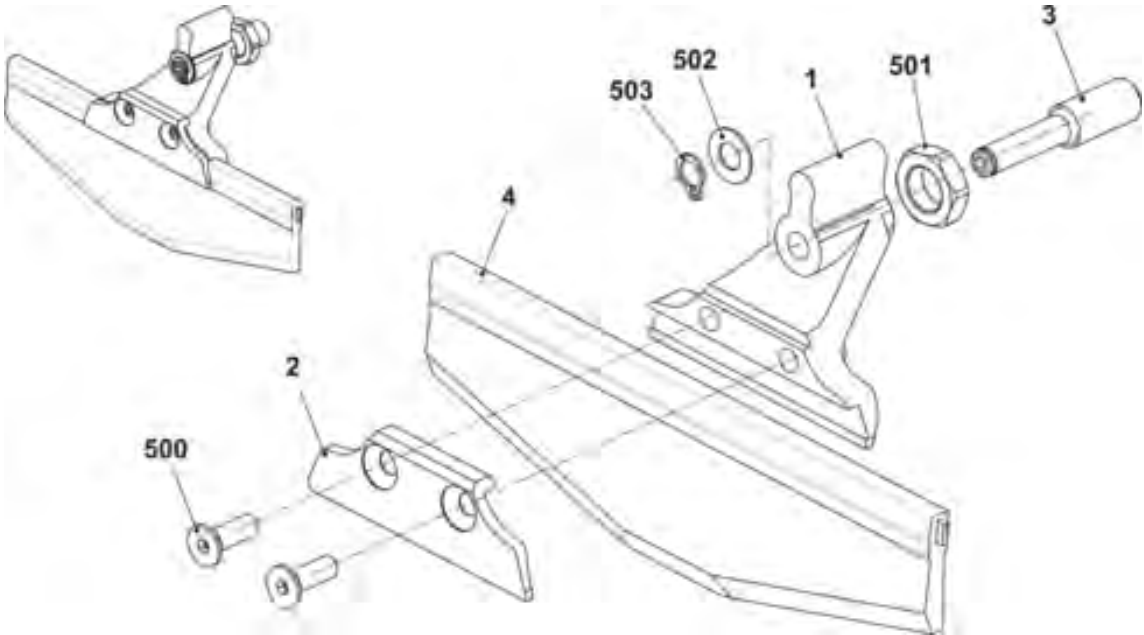
5.2.18 Carriage cover

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	Washer6.1x9x0,5	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



5.2.19 Brush holder

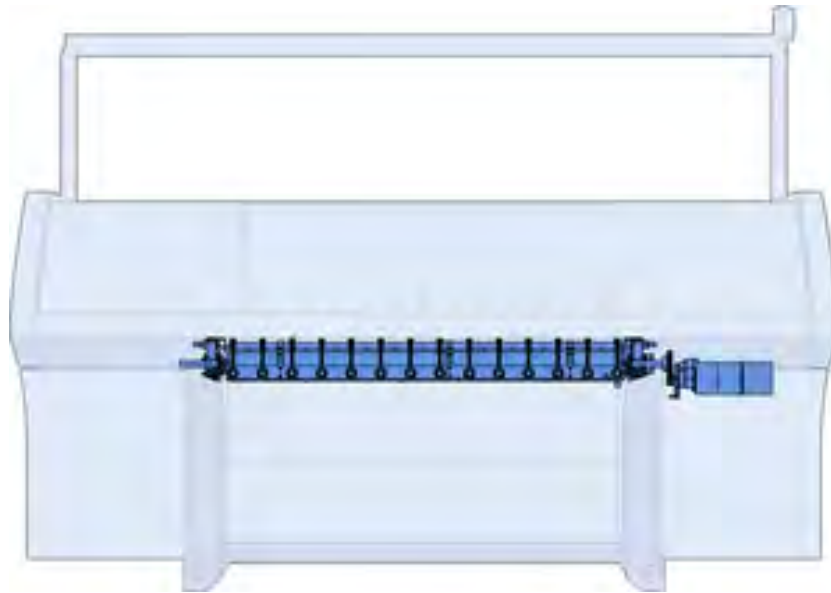
Pos	Designation	ID		Pos	Designation	ID
Σ	Brush holder completeE5-8	220 064		4	Brush(E5-8)	203 254
	Brush holder completeE10-14 (E7.2)	220 065			Brush(E10-14)	212 854
1	Brush holder	219 423		500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nut M8x5	020 856
3	Threaded rod	209 740		502	Shim ring 5x10x0,5	023 348
				503	Locking ring5x0,6	023 347



5.2 Overview of carriage, continuation

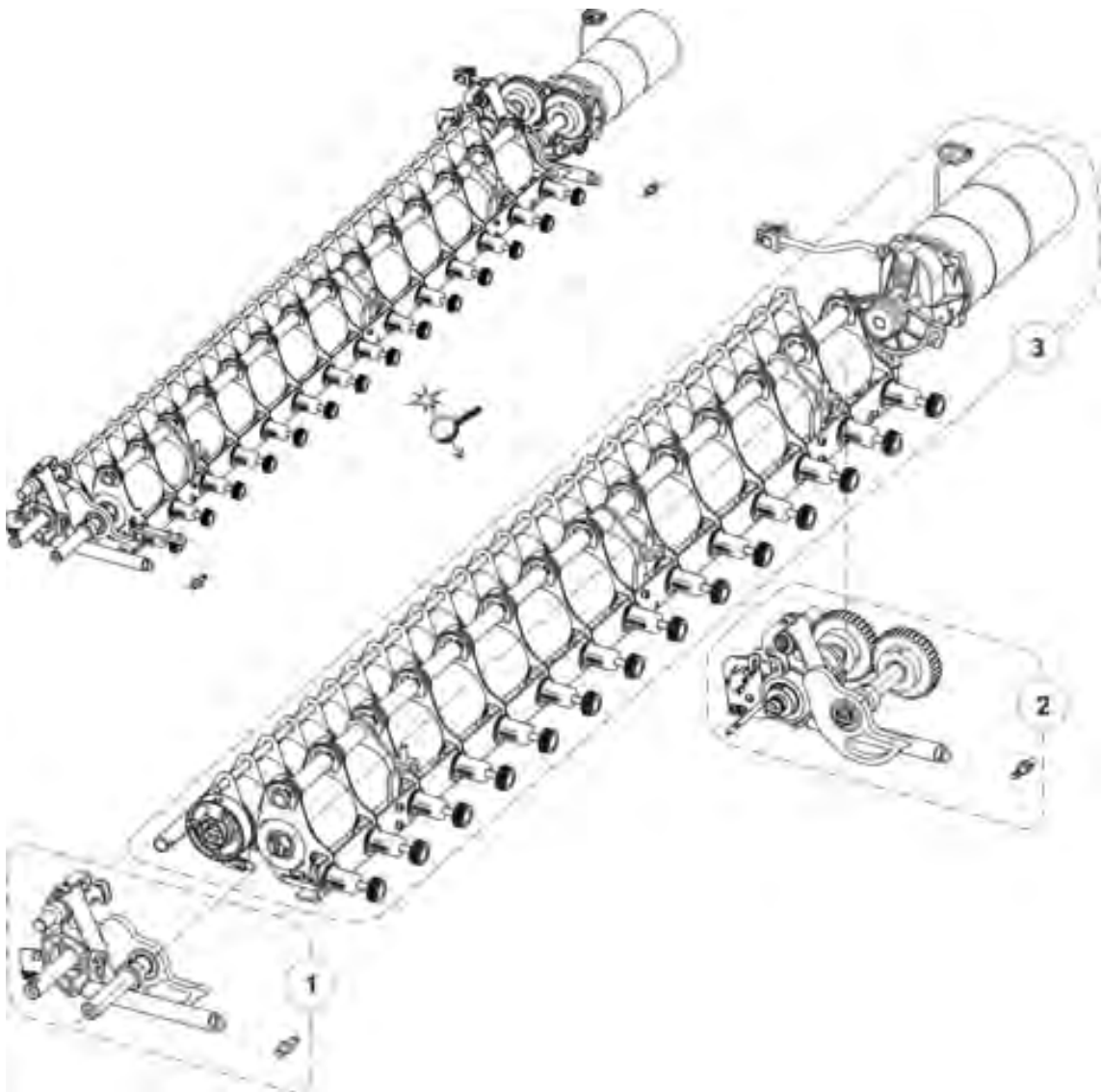
Notes:

6 Main take-down



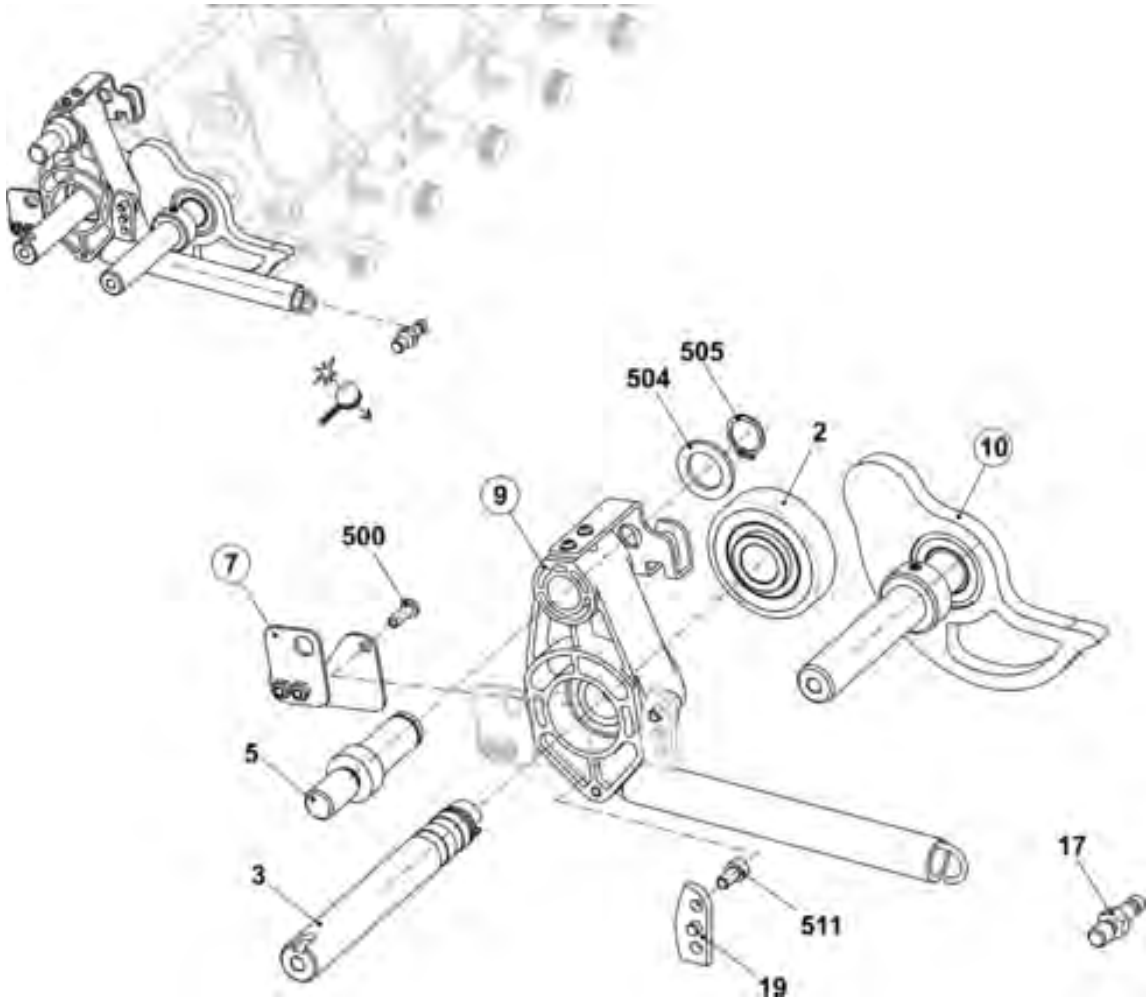
6.1 Main Take-down Values

Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down			2	Main take-down on the right	253 852
1	Main take-down on the left	253 851		3	Main take-down in the middle E7 E8 E10 E12 E14	253 525



6.1.1 Main take-down on the left

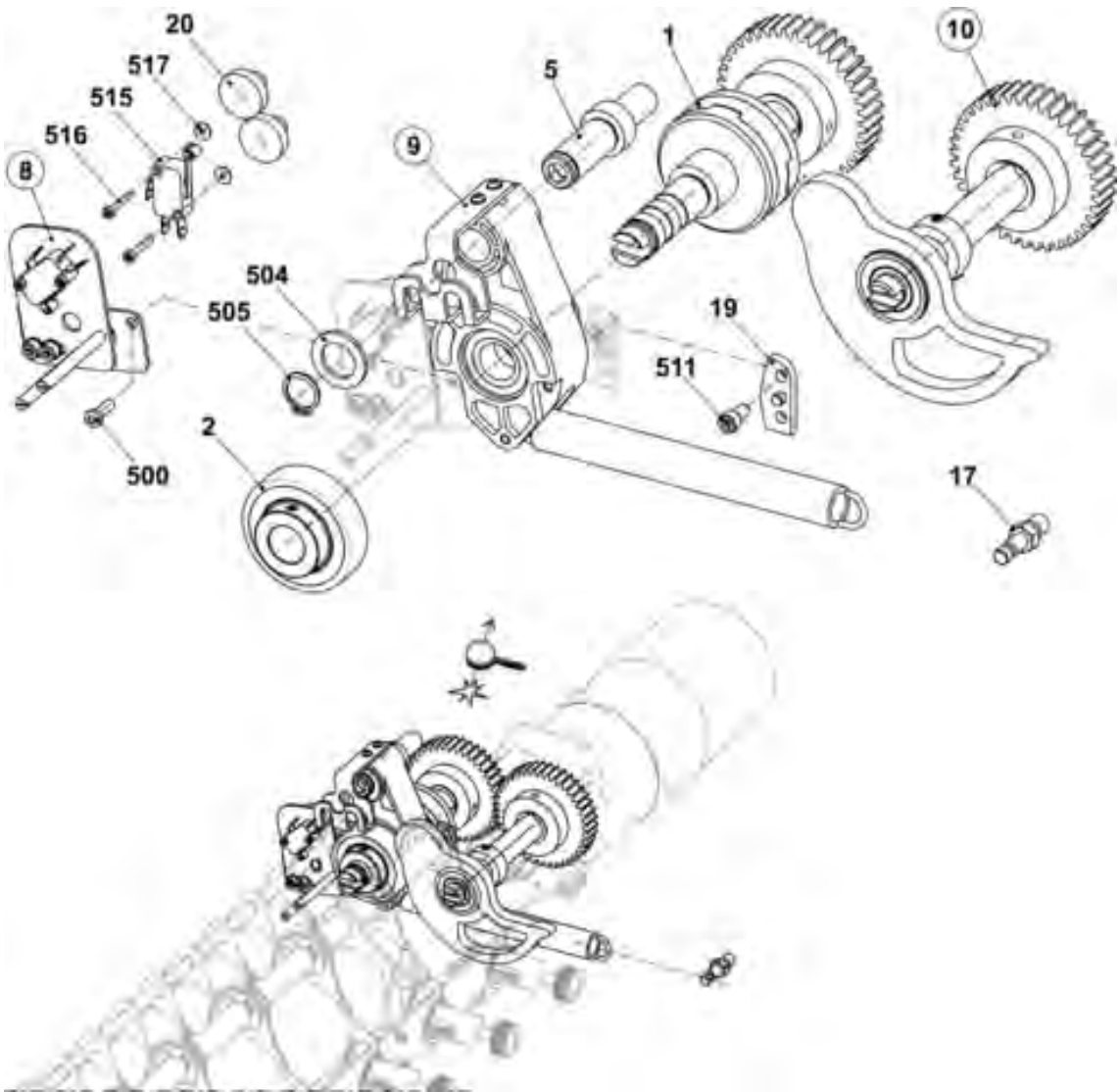
Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down on the left	253 851				
2	Bearing race complete	244 459		17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012		19	Stop point	252 503
5	Bolts	208 538		500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725		504	Washer18	023 295
9	Swivel-mounted bearing	251 761		505	Locking ring18x1,2	020 955
10	Full floating axle on the left	251 984		511	Cap screwM6x12	020 134



6.1 Main Take-down Values

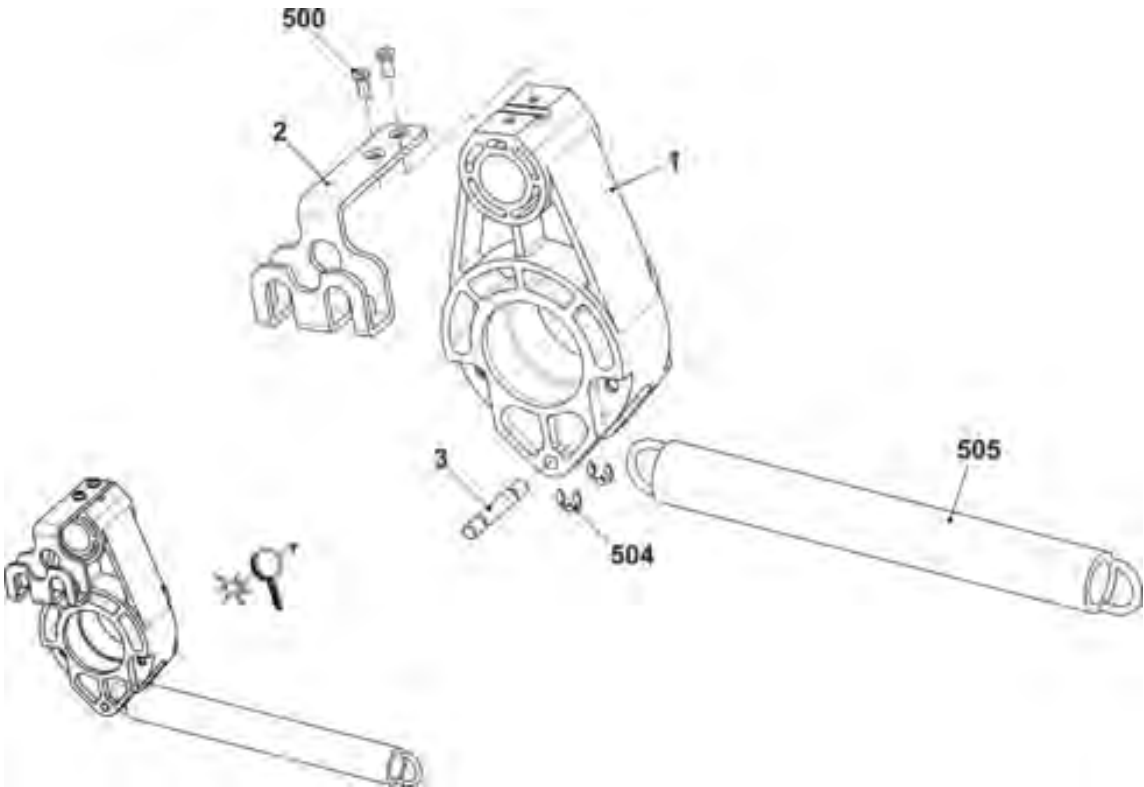
6.1.2 Main take-down on the right

Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down on the right	253 852				
1	Clutch set	251 677		20	Threaded bush	222 522
2	Bearing race complete	244 459		500	Screw 50x15	251 728
5	Bolts	208 538		504	Washer18	023 295
8	Mounting plate on the right complete	240 069		505	Locking ring18x1,2	020 955
9	Swivel-mounted bearing	251 761		511	Cap screwM6x12	020 134
10	Full floating axle on the right	251 985		515	Microswitch Xgk2-s21 250	210 510
17	Spring bolt	221 143		516	Cap screwM3x20	023 221
19	Stop point	252 503		517	Washer3	023 657



6.1.2.1 Swivel-mounted bearing

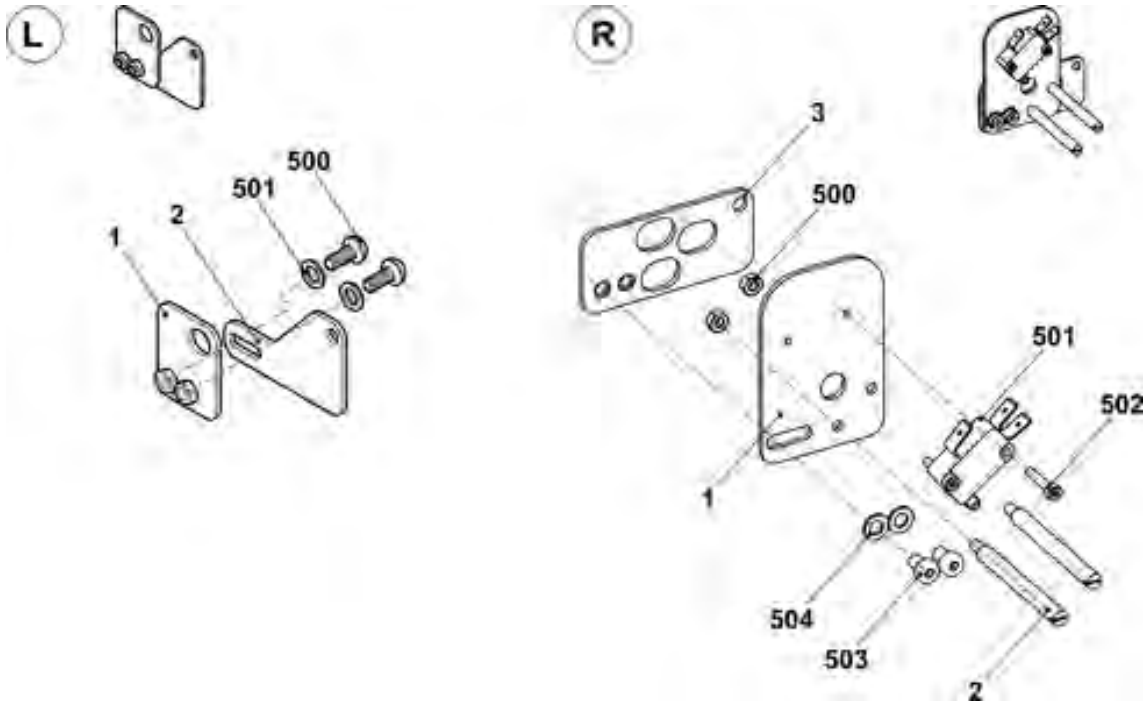
Pos	Designation	ID		Pos	Designation	ID
Σ	Swivel-mounted bearing	251 761				
1	Swivel-mounted bearing	241 996		500	Screw M35x10	259 102
2	Sheet metal support	251 749		504	Circlip4	021 020
3	Axle	251 758		505	Tension spring 21x3,0x192	240 217



6.1 Main Take-down Values

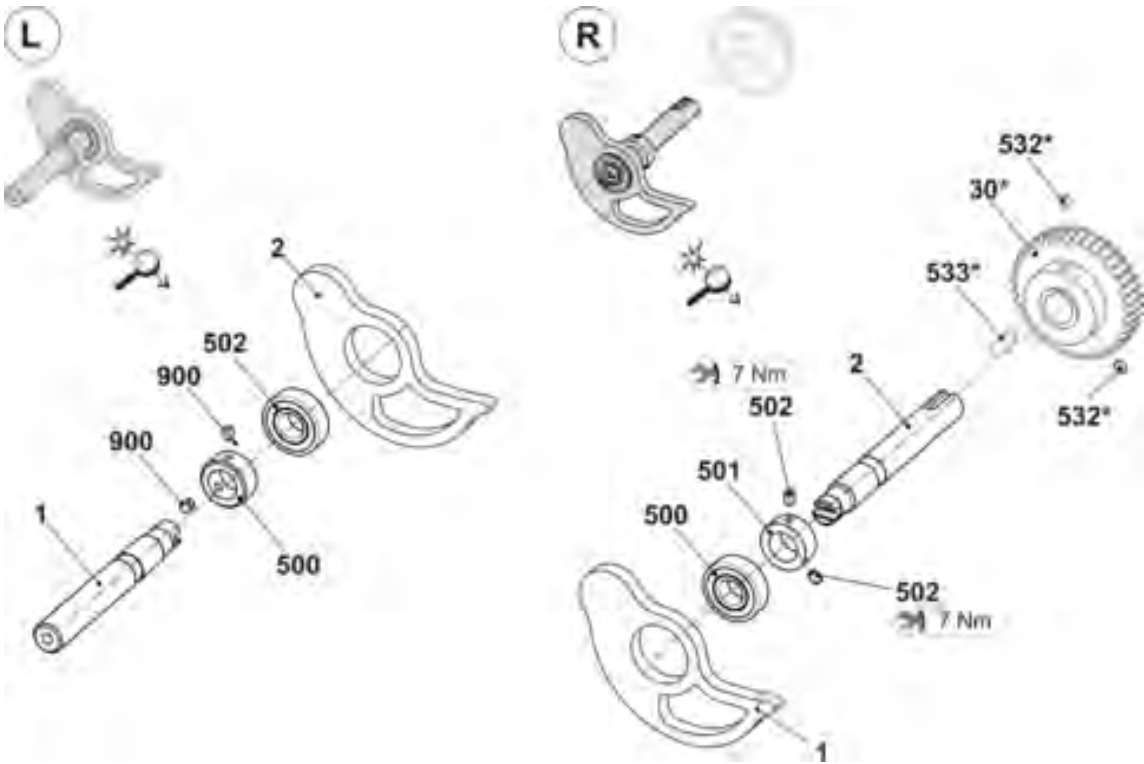
6.1.2.2 Mounting plate

Pos	Designation	ID		Pos	Designation	ID
Σ L	Mounting plate on the left complete	231 725		Σ R	Mounting plate on the right complete	240 069
1	Mounting plate on the left	231 541		1	Mounting plate on the right	240 068
2	Retaining plate on the left	231 539		2	Shoulder screw	240 067
500	Pan-head screwM5x10	023 247		3	Retaining plate on the right	240 066
501	Serrated lock washer J5,3	022 489		500	Hexagon nut M4-6	022 536
				501	Microswitch	026 259
				502	Cap screwM3x16	022 583
				503	Cap screwM5x8	244 278
				504	Washer5-200	020 871



6.1.2.3 Full floating axle

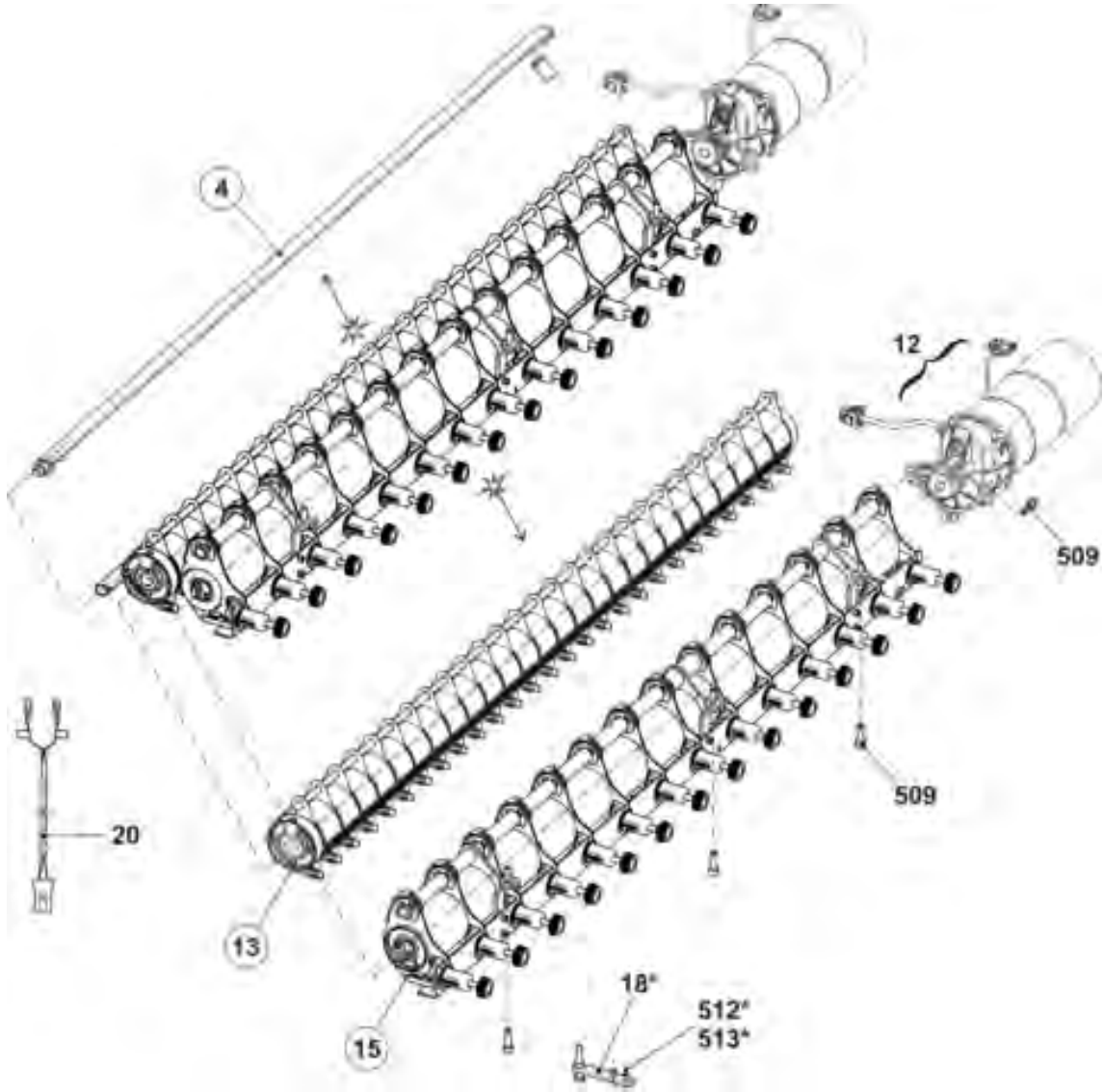
Pos	Designation	ID		Pos	Designation	ID
Σ L	Full floating axle on the left	251 984		Σ R	Full floating axle on the right	262 158
1	Shaft on the left at the front	221 013		1	Eccentric	251 959
2	Eccentric	251 959		2	Shaft on the right	223 393
500	Set collar	020 938		500	Fitting freewheel ZZ6203L	023 294
502	Fitting freewheel ZZ6203L	023 294		501	Set collar	020 938
900	Setscrew M6x8	022 684		502	Setscrew M6x8	022 684
				30*	Gear wheel Z=40, M=2	213 744
				532*	Setscrew M6x8	022 684
				533*	Feather key A 6x6x25	023 017



6.1 Main Take-down Values

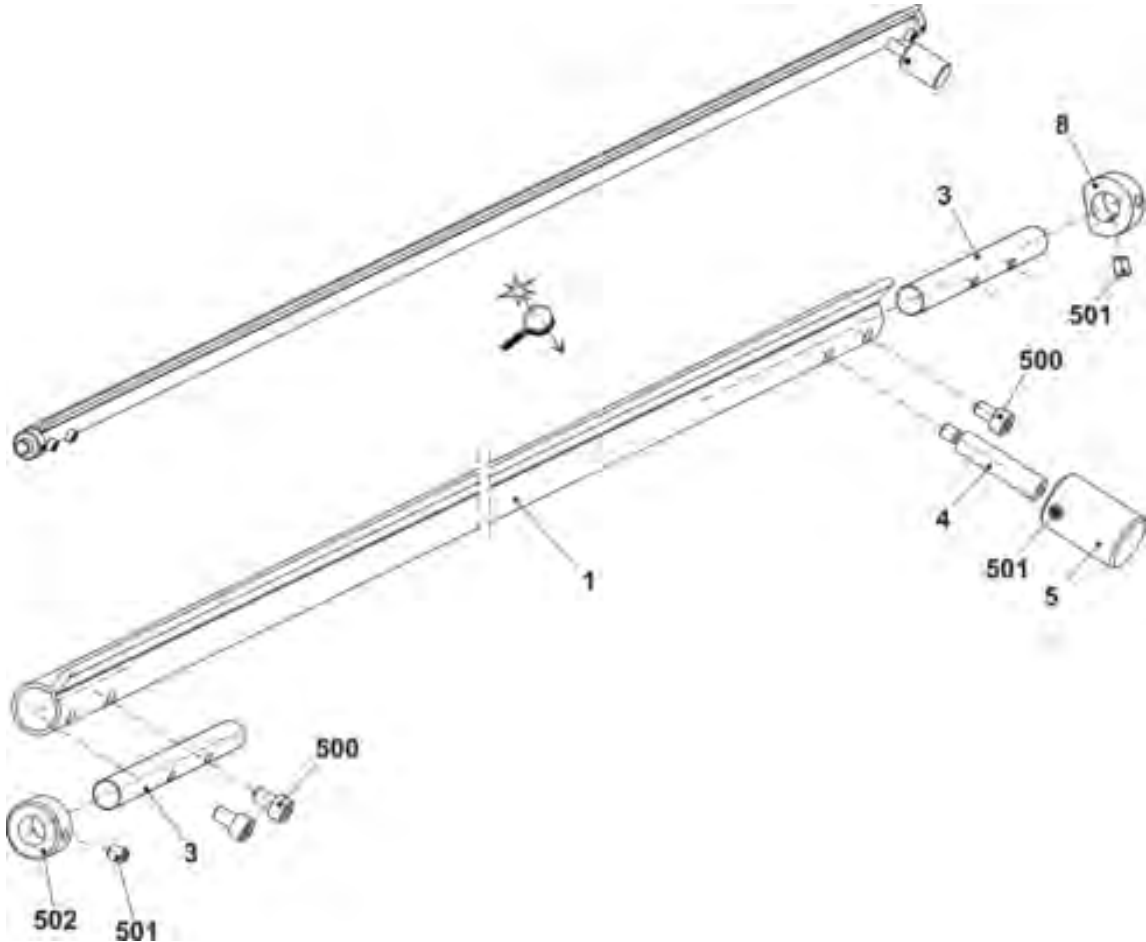
6.1.3 Main take-down in the middle

Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down in the middleE5-14	253 525		20	Connection cable winding plate	241 703
4	Stripper angle at the rear complete	259 986		509	Cap screw M8x25	020 142
12	Motor take-down unit complete	253 803		18*	Stop point	253 432
13	Take-down roller at the rear completeE5-14	253 853		512*	Washer6	020 881
15	Take-down roller at the front complete	241 426		513*	Pan-head screw M6x16	023 124



6.1.3.1 Stripper angle

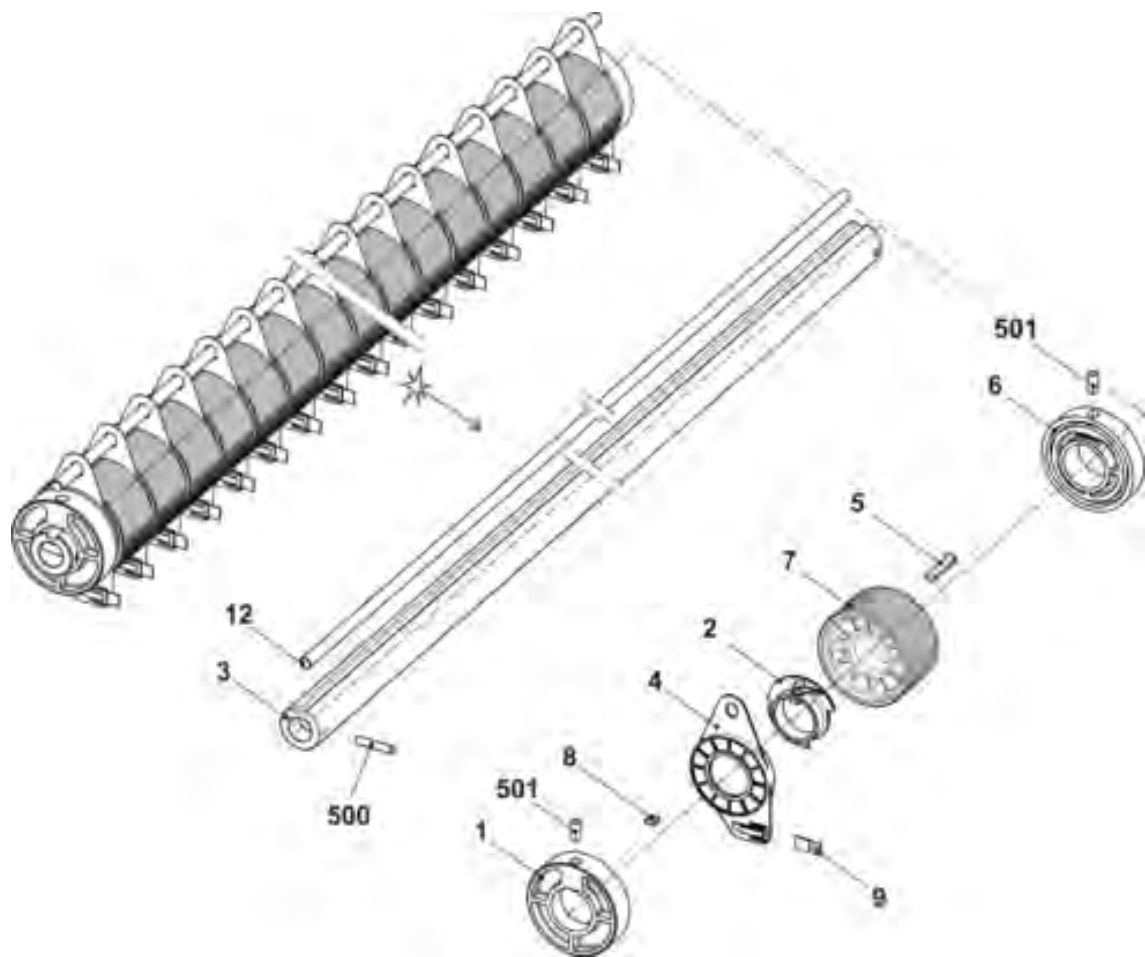
Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	259 986				
1	Stripper angle	259 973		5	Adjustment weight	229 248
3	Axle	259 969		500	Cap screw M5x8	023 319
8	Cam	260 109		501	Setscrew M5x6	022 738
4	Bolts	228 310		502	Set collar	020 934



6.1 Main Take-down Values

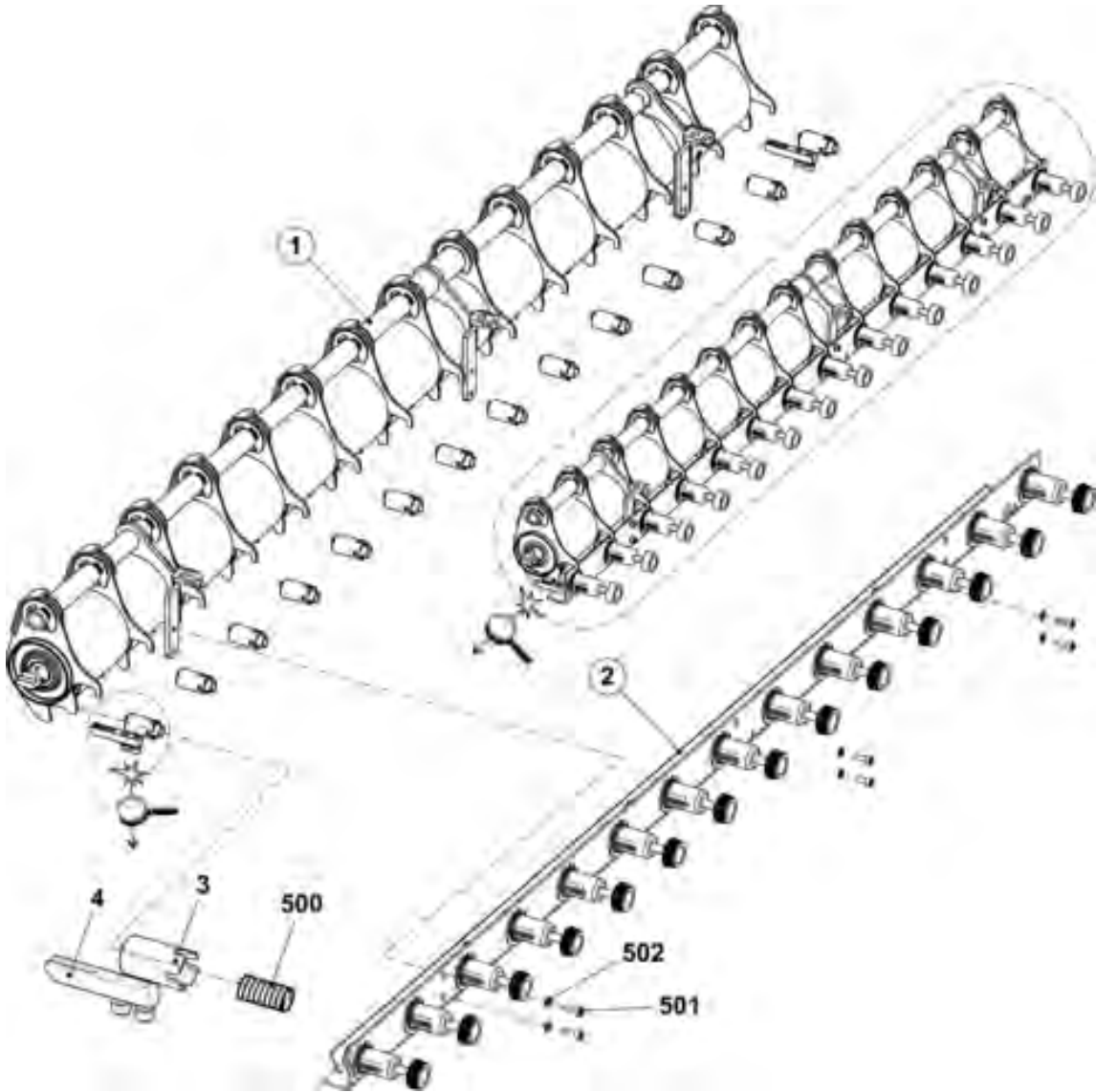
6.1.3.2 Rear take-down roller

Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down roller at the rear complete E5-14	253 853				
1	Ring on the left	255 830		7	Roller E5-14	206 770
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	240 104		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

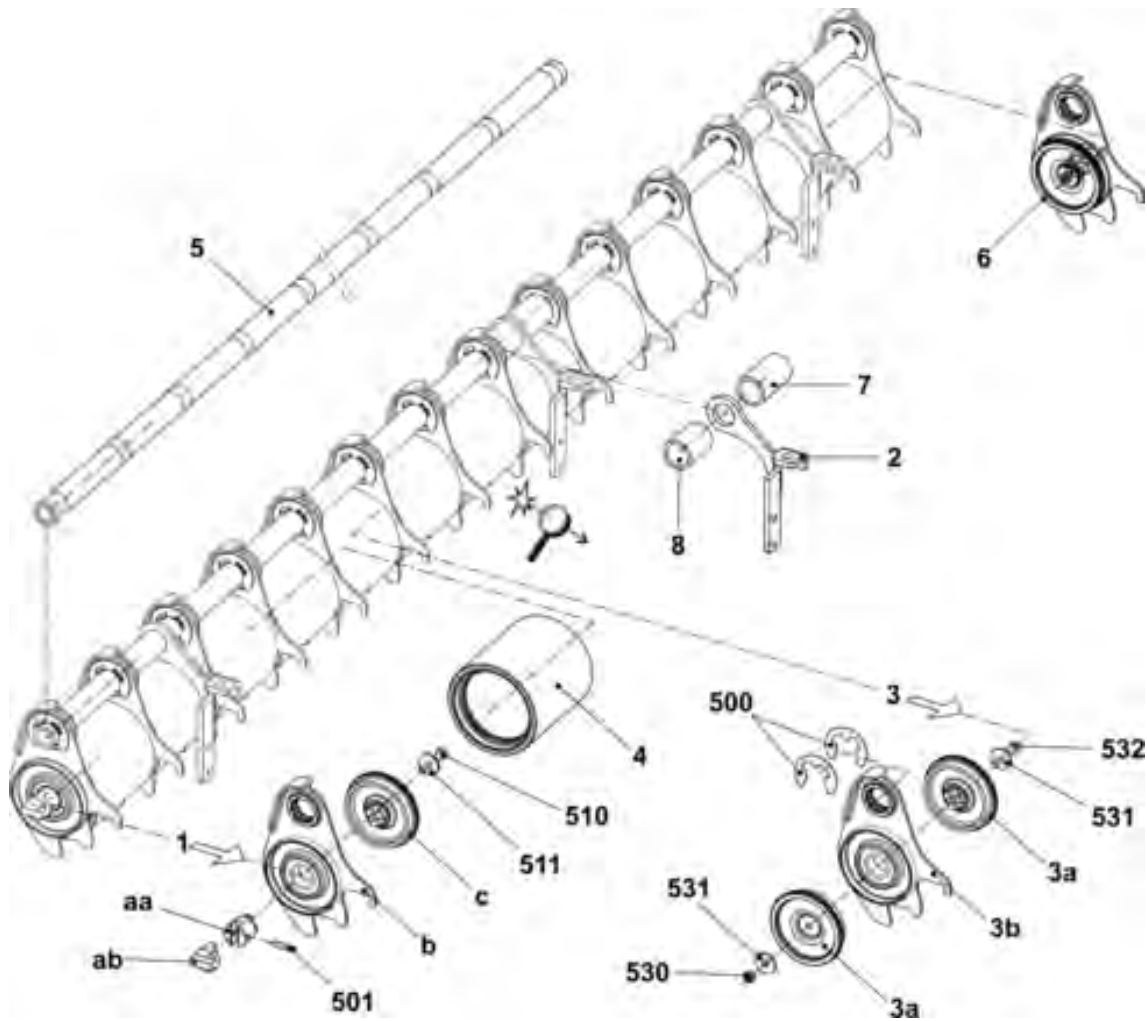
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	241 426		4	Locating piece	221 935
1	Take-down roller at the front	221 243		500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 425		501	Cap screwM5x12	020 132
3	Pressure sleeve	220 911		502	Washer5-200	020 880



6.1 Main Take-down Values

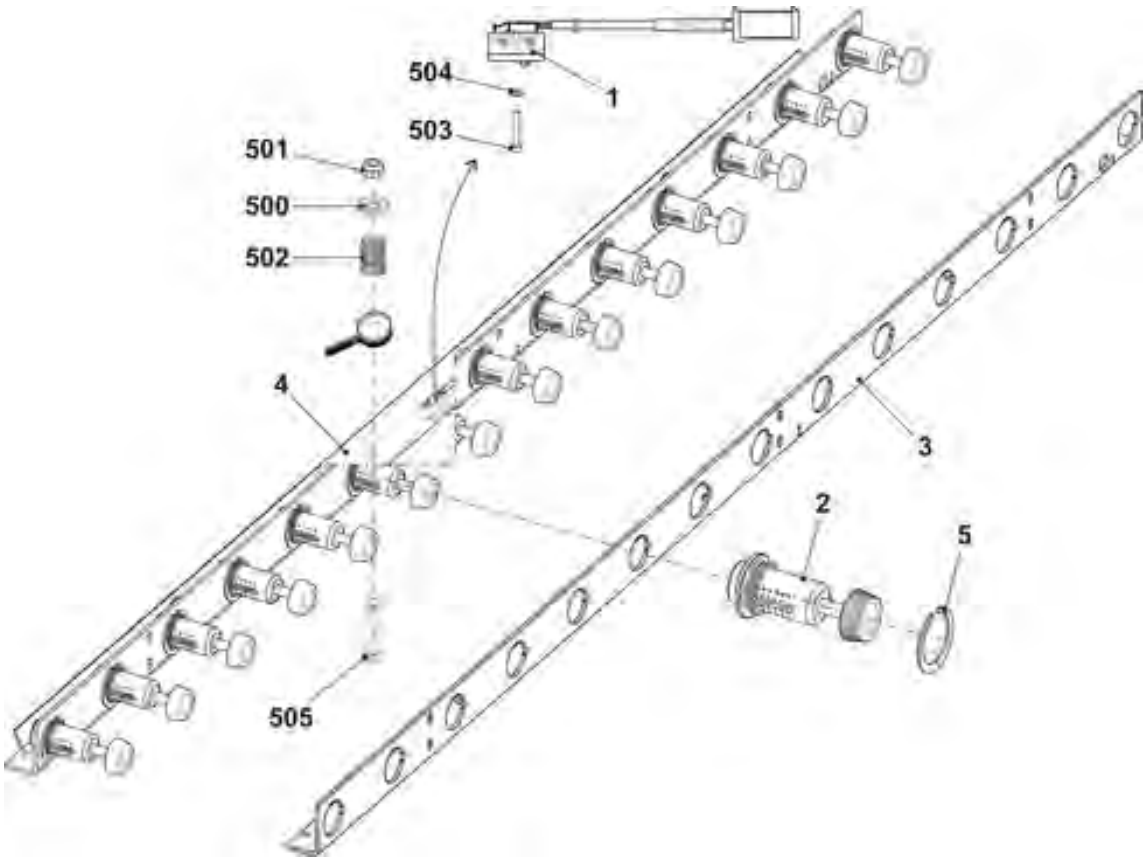
6.1.3.3.1 Front roller elements

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 screwM5x20	020 133			c	Gear wheel	220 910
	511	Washer5	023 542			501	Spring dowel sleeve 4x20	023 551
			510			Cap screwM5x20	020 133	
			511			Washer5	023 542	
2	Support		251 557		7	Spacer pipe on the right		253 407
3	Bearing support complete		221 241		8	Spacer pipe on the left		253 408
	3b	Bearing support	220 913		500	Circlip		021 025
	3a	Gear wheel	220 910					
	530	Hexagon nut M5	023 541					
	531	Washer5-100hv	023 542					
	532	Cap screwM5x30	022 396					



6.1.3.3.2 Pressure angle rail

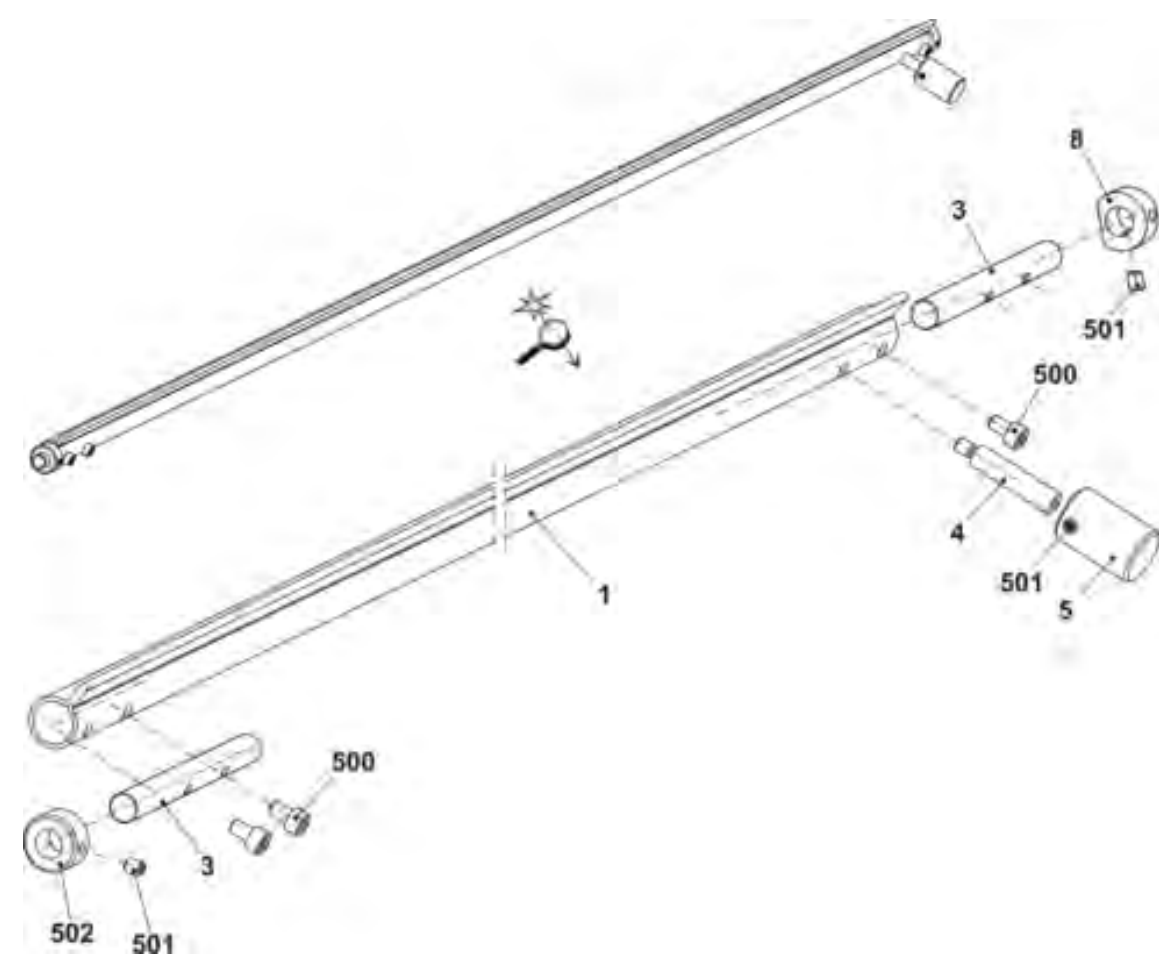
Pos	Designation	Id		Pos	Designation	Id
Σ	Angle rail complete	241 425		500	Washer6-200	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	241 773		503	Cap screwM2x12	023 522
4	Winding plate	221 101		504	Washer2-200	022 908
5	Locking ring	242 325		505	Shoulder screw M5x20x5	023 675



6.1 Main Take-down Values

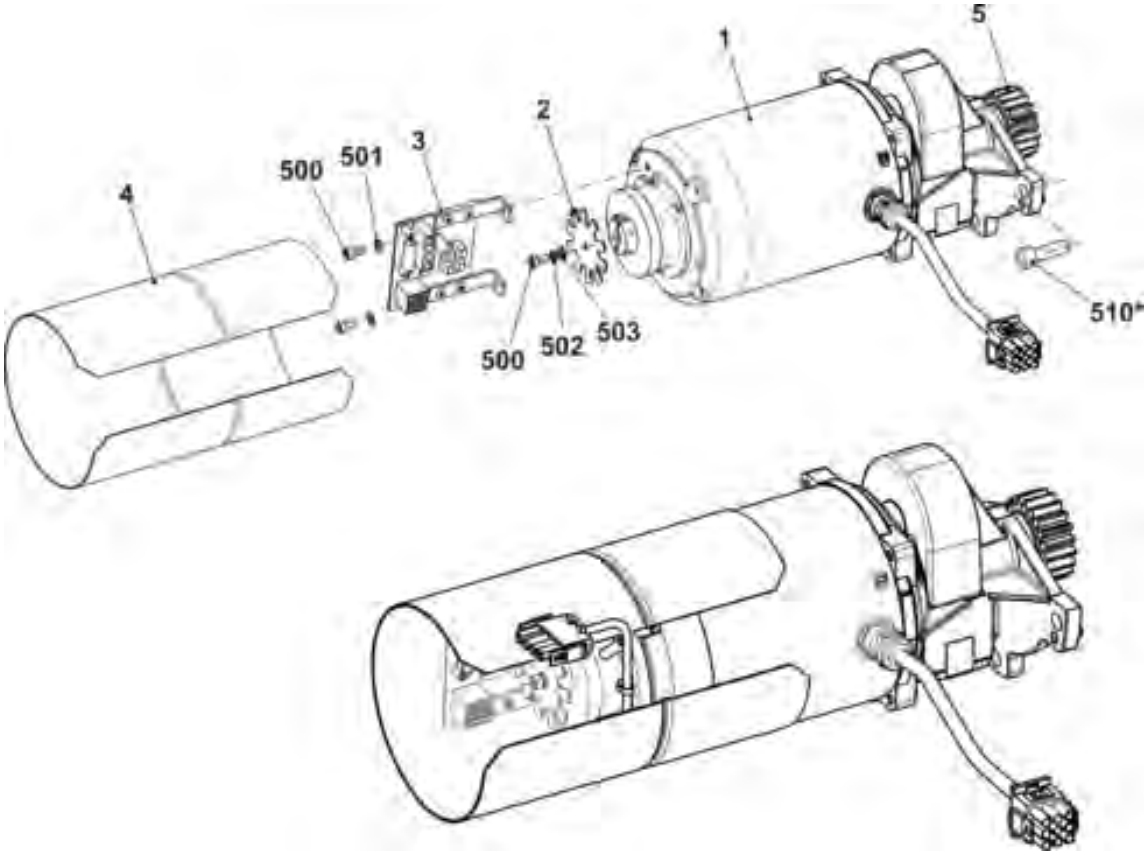
6.1.3.4 Stripper angle

Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	259 986				
1	Stripper angle	259 973		5	Adjustment weight	229 248
3	Axle	259 969		500	Cap screw M5x8	023 319
8	Cam	260 109		501	Setscrew M5x6	022 738
4	Bolts	228 310		502	Set collar	020 934



6.1.3.5 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	Washer4-200	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



6.1 Main Take-down Values

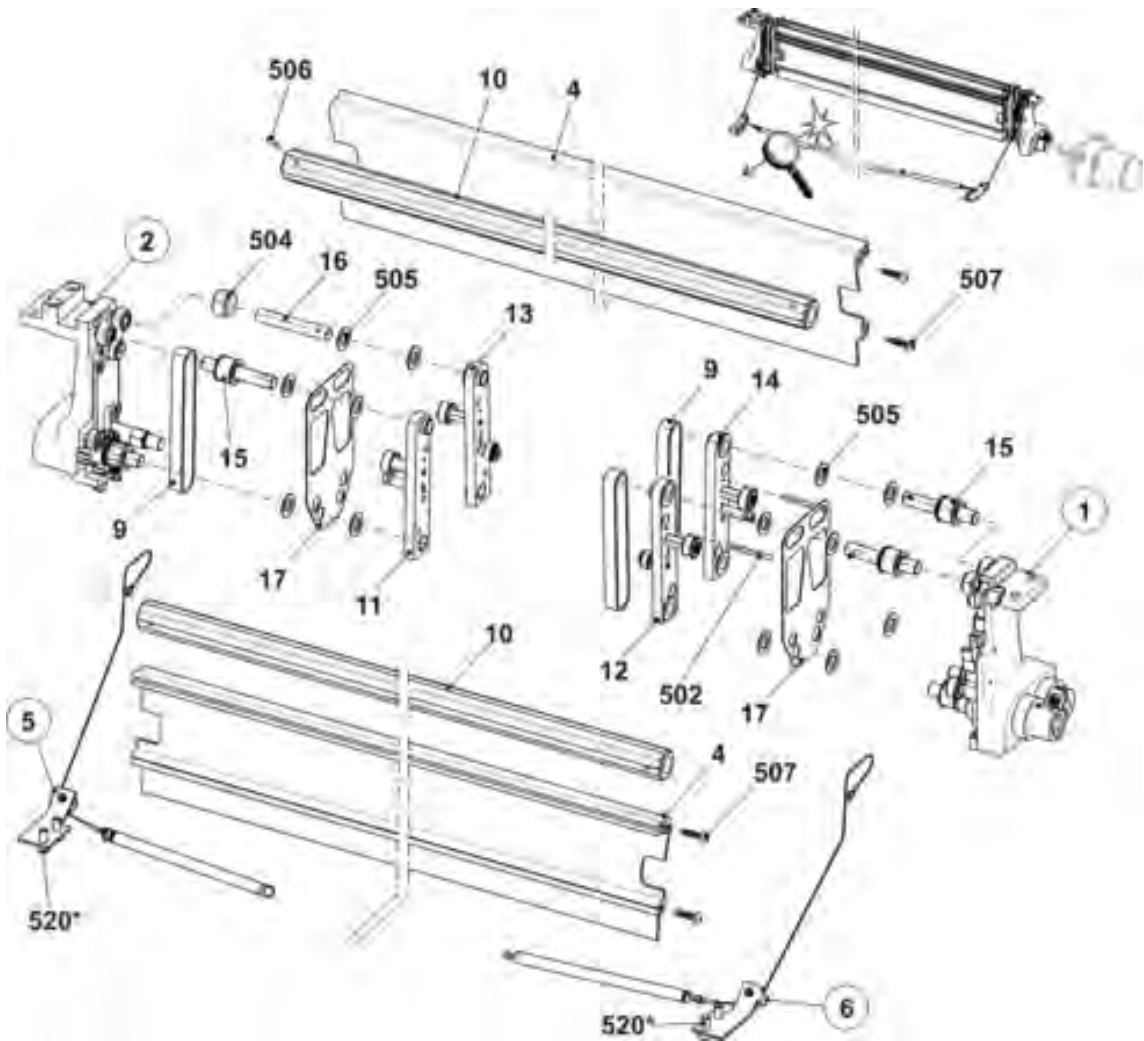
Notes:

7 Auxiliary take-down



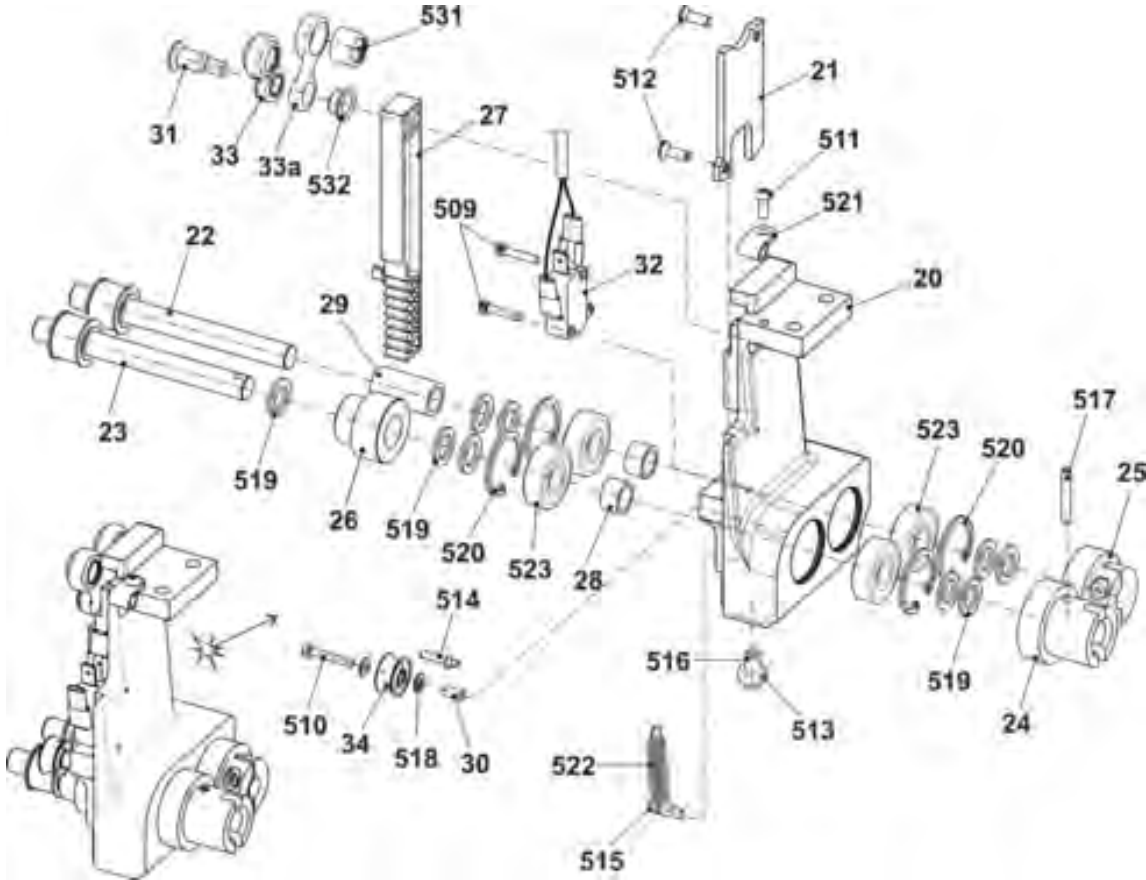
7.1 Auxiliary take-down pre-assembled

Pos	Designation	ID		Pos	Designation	ID
Σ	Auxiliary take-down pre-assembled	254 063				
1	Bearing on the right complete	239 996		14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999		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 screwM3x27x32	023 634
9	Toothed belt10T5/260	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

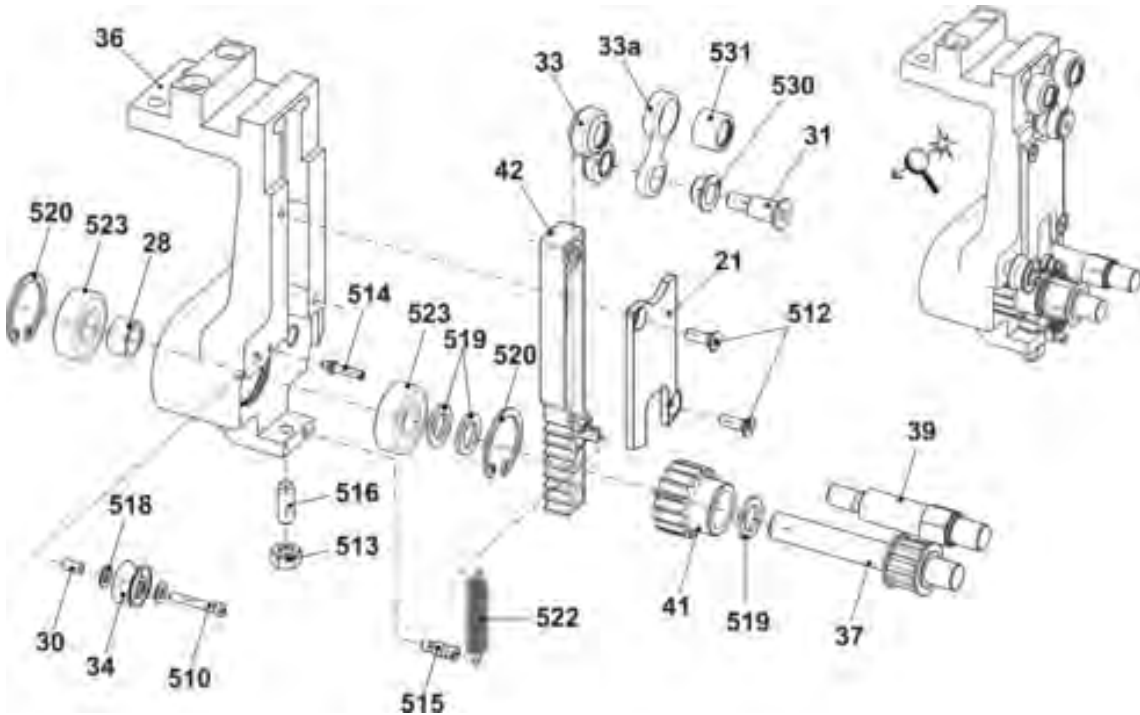
Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete		532	Slide bearing GFM-081014-06	023 358
20	Bearing block on the right	258 913	34	Roller deflector	218 805
21	Cover	257 466	500	Cap screw M3x16	022 560
22	Drive shaft complete	227 857	510	Cap screw M3x20	022 448
23	Drive shaft complete	227 853	511	Pan-head screw M4x10	023 450
24	Gear wheel M=1,5, Z=20	213 880	512	Countersunk head screw M4x12	023 062
25	Gear wheel M=1,5, Z=20	210 504	513	Hexagon nutM6-6	020 836
26	Gear wheel on the right complete	218 524	514	Threaded bolt with shoulder	243 226
27	Gear rack on the right	253 487	515	Shoulder screw M4x9x14	020 602
28	Threaded spacer	229 683	516	SetscrewM6x16-45	023 092
29	Sleeve	227 257	517	Spiral pin 4x24	023 544
30	Sleeve	239 997	518	Shim ring 4x8x0,5	023 384
31	Collar bolt	210 551	519	Shim ring 10x16x1,5	023 261
32	Cable with switch auxiliary take-downokc	243 142	520	Locking ring26x1,2	023 359
33	Connecting rod complete	226 710	521	Fastening clip 255/5,2	008 335
	33a	Connecting rod	522	Tension spring 7,5x0,7x28	023 595
	531	Needle bearingHK1010	523	Grooved ball bearing 6000-2Z	022 599



7.1 Auxiliary take-down pre-assembled

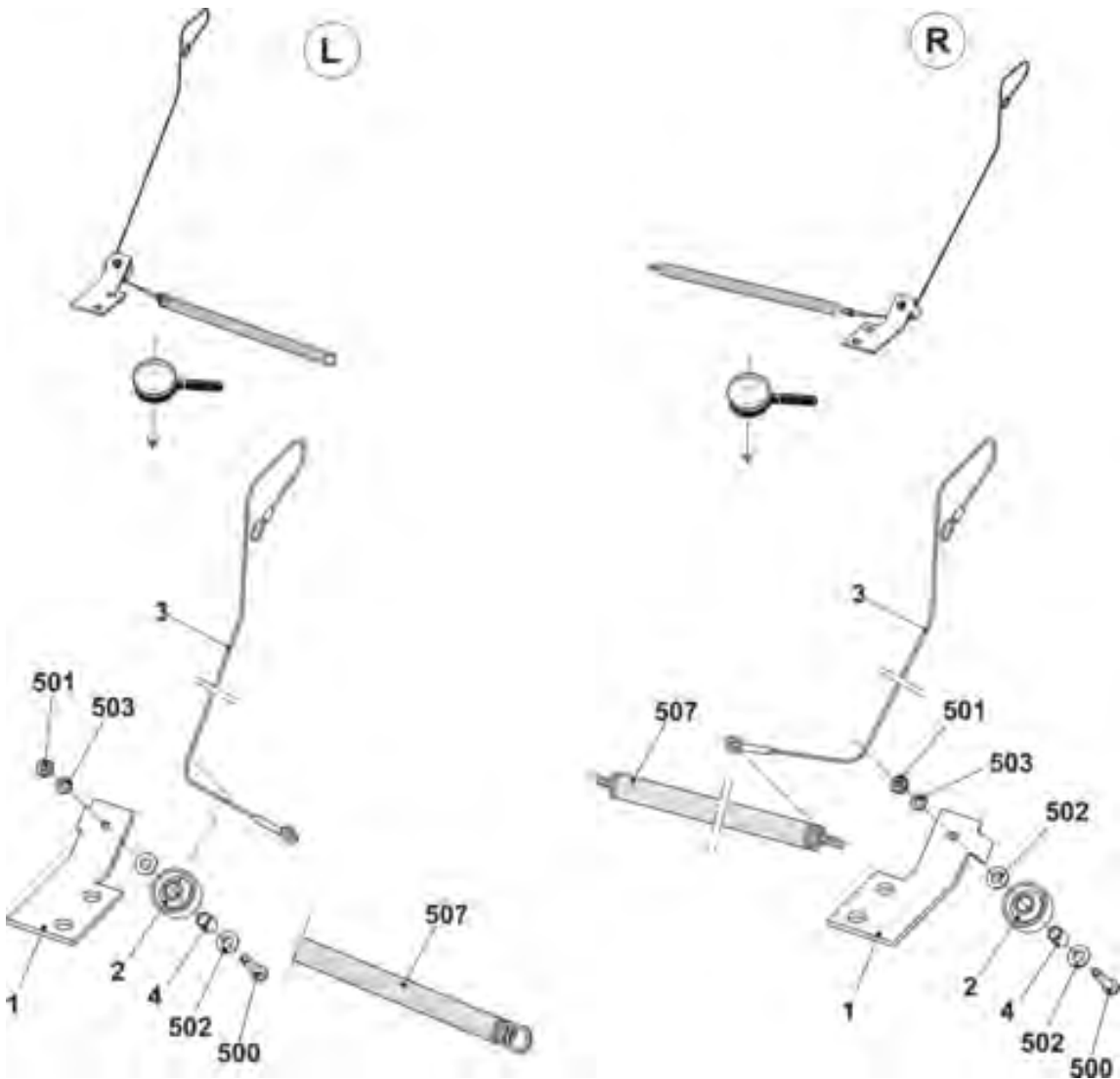
7.1.2 Left bearing of the auxiliary take-down

Pos	Designation		Id		Pos	Designation	Id
Σ	Bearing on the left				41	Gear wheel on the left complete	218 523
21	Cover		257 466		42	Gear rack on the left	253 488
28	Threaded spacer		229 683		510	Cap screw M3x20	022 448
30	Sleeve		239 997		512	Countersunk head screw M4x12	023 062
31	Collar bolt		210 551		513	Hexagon nut M6-6	020 836
33	Connecting rod complete		226 710		514	Threaded bolt with shoulder	243 226
	33a	Connecting rod	255 696		515	Shoulder screw M4x9x14	020 602
	530	Slide bearing GFM-081014-06	023 358		516	Setscrew M6x16-45	023 092
	531	Needle bearing HK1010	023 664		518	Shim ring 4x8x0,5	023 384
34	Roller deflector		218 805		519	Shim ring 10x16x1,5	023 261
36	Bearing block on the left		258 914		520	Locking ring 26x1,2	023 359
37	Drive shaft complete		227 887		522	Tension spring 7,5x0,7x28	023 595
39	Bolts		226 705		523	Grooved ball bearing 6000-2Z	022 599



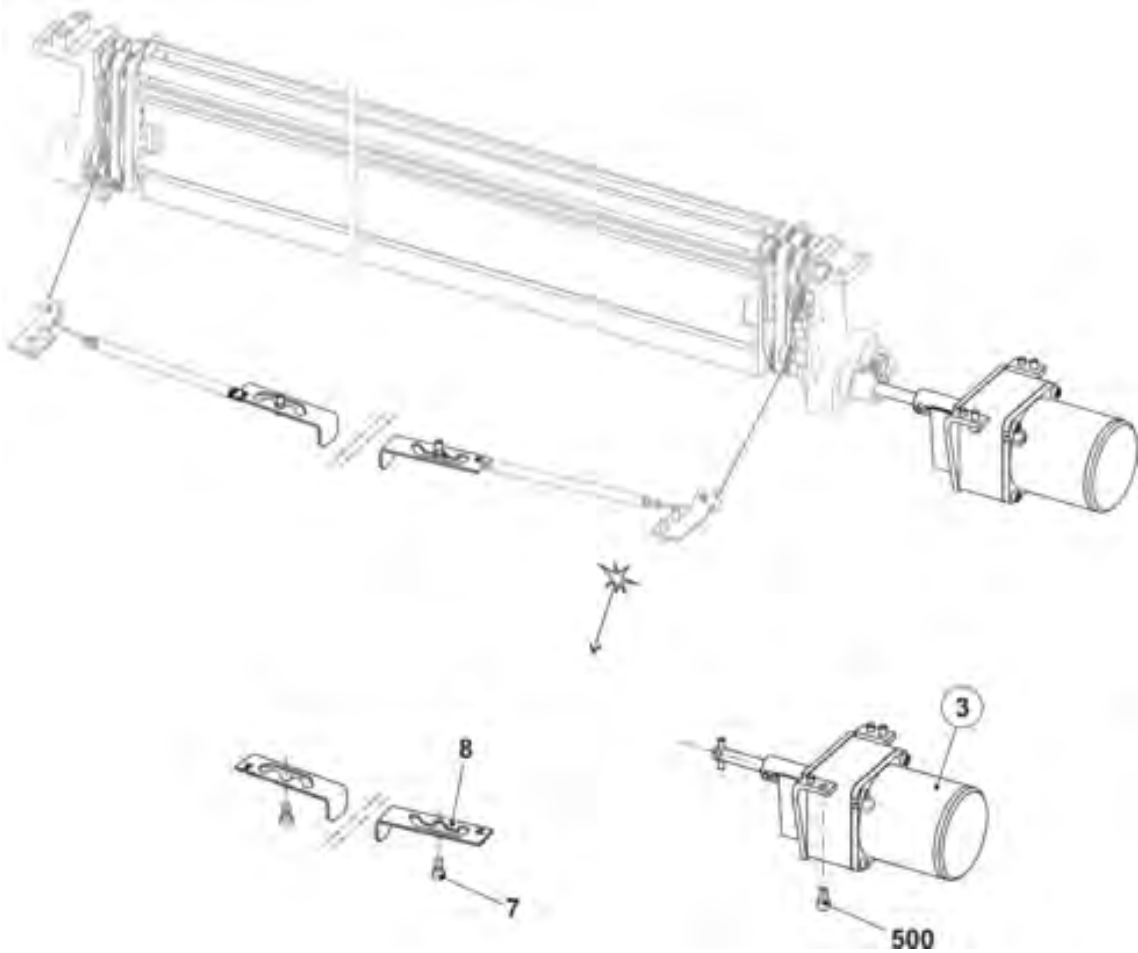
7.1.3 Metal angle on the left and right complete

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 screwM3x16	022 560		500	Cap screwM3x16	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



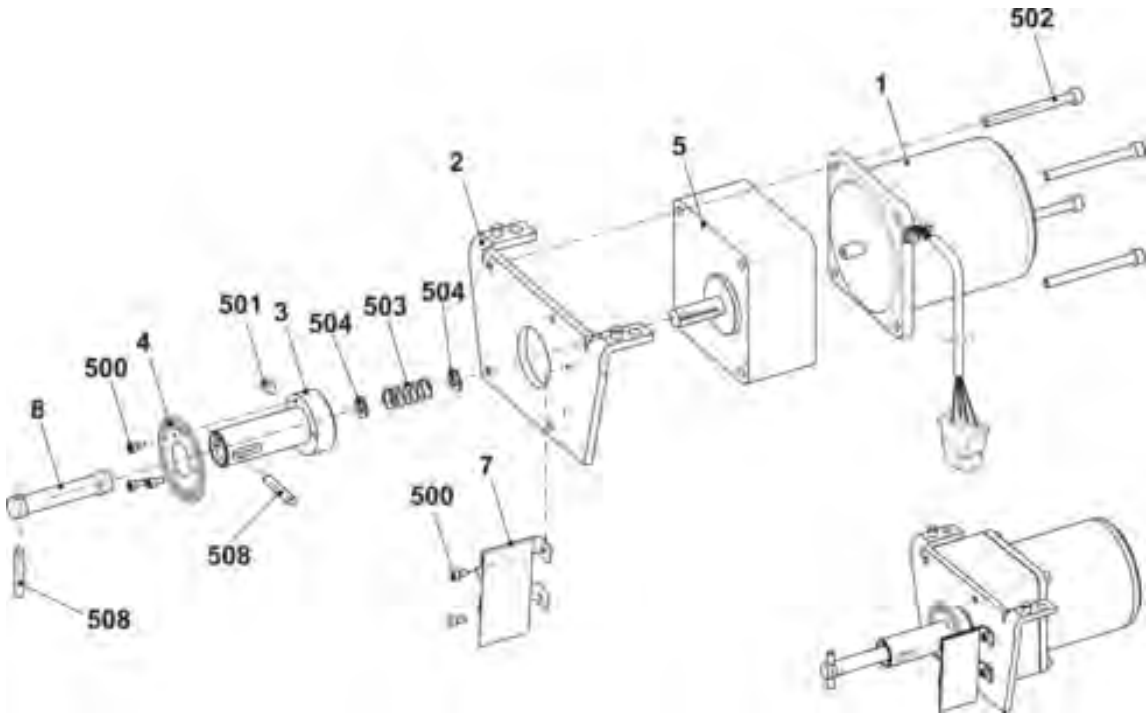
7.2 Auxiliary take-down in the middle

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

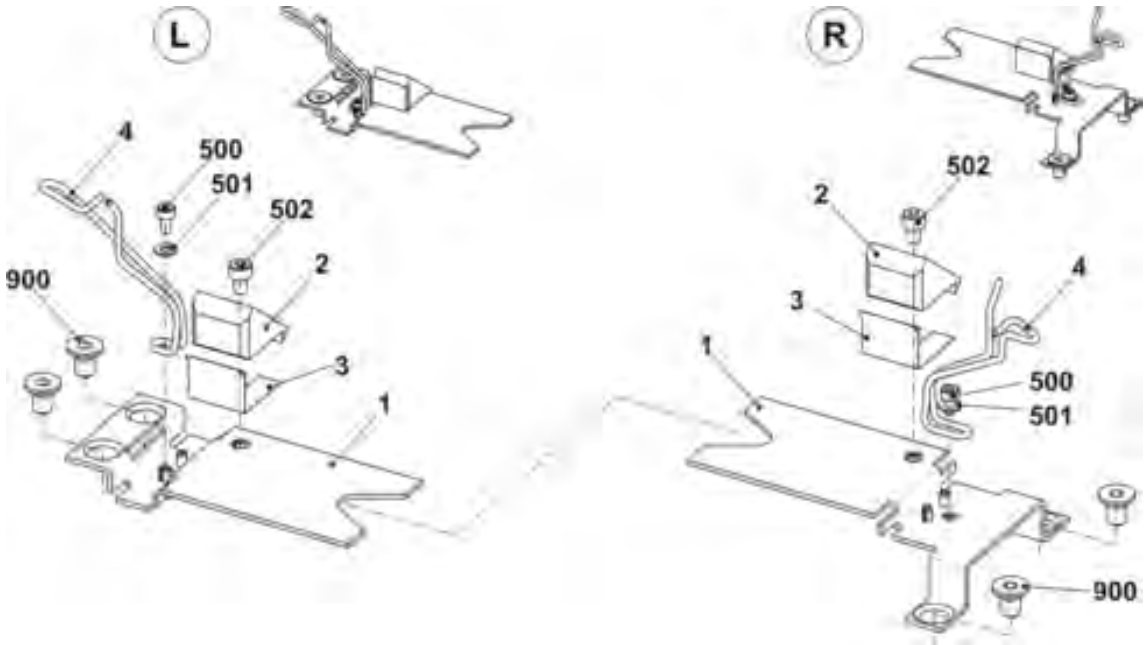
Pos	Designation	ID		Pos	Designation	ID
Σ	Motor auxiliary take-down complete	244 291		8	Wave	219 025
1	Motor auxiliary take-down	213 871		500	Cap screw M3x6	022 589
2	Motor bracket	244 279		501	Setscrew M6x10	023 543
3	Drive sleeve	219 024		502	Cap screw M5x55	023 321
4	Impulse disc	218 449		503	Compression 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

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	Washer3	022 806		501	Washer3	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

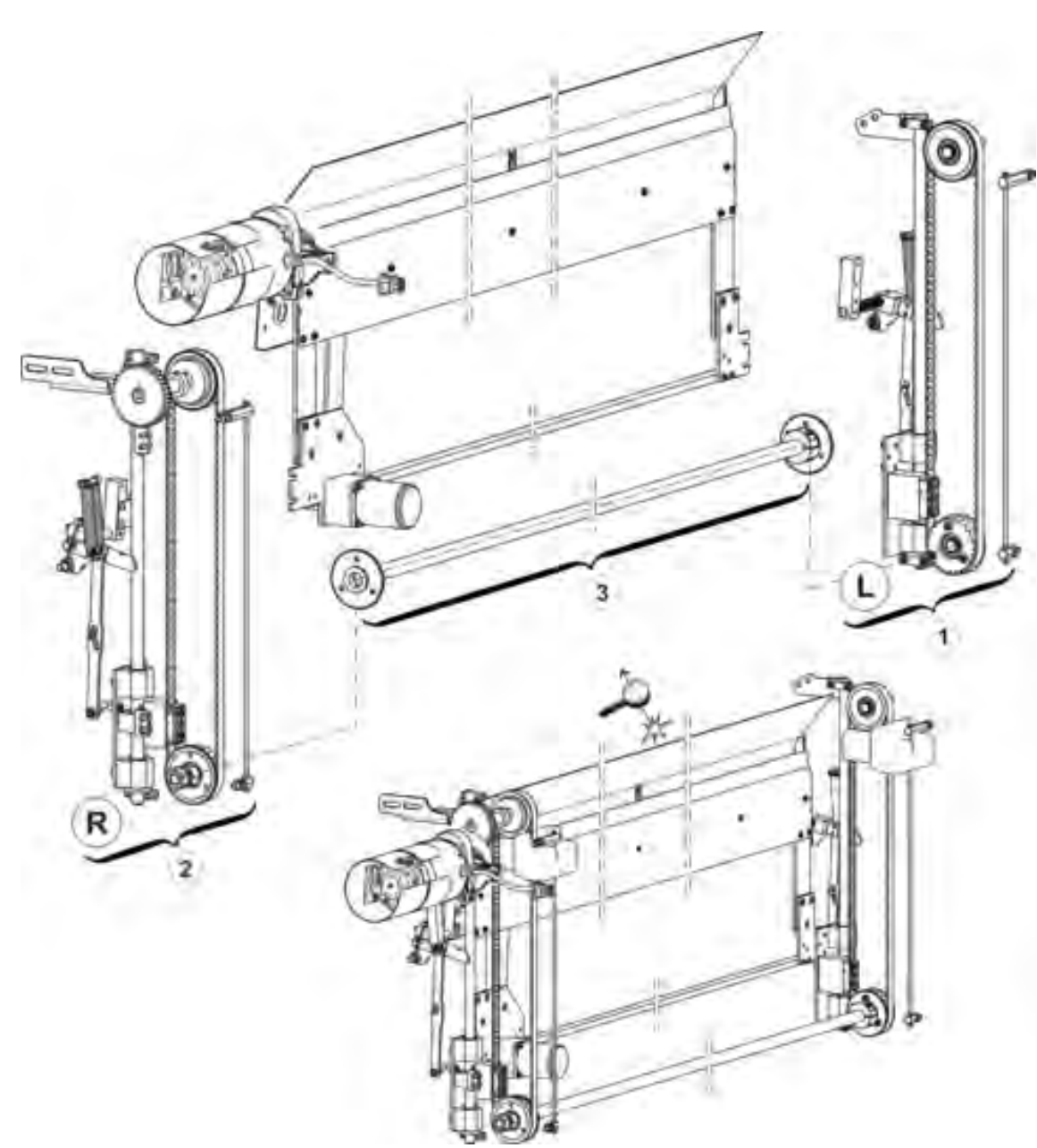


8 Comb take-down



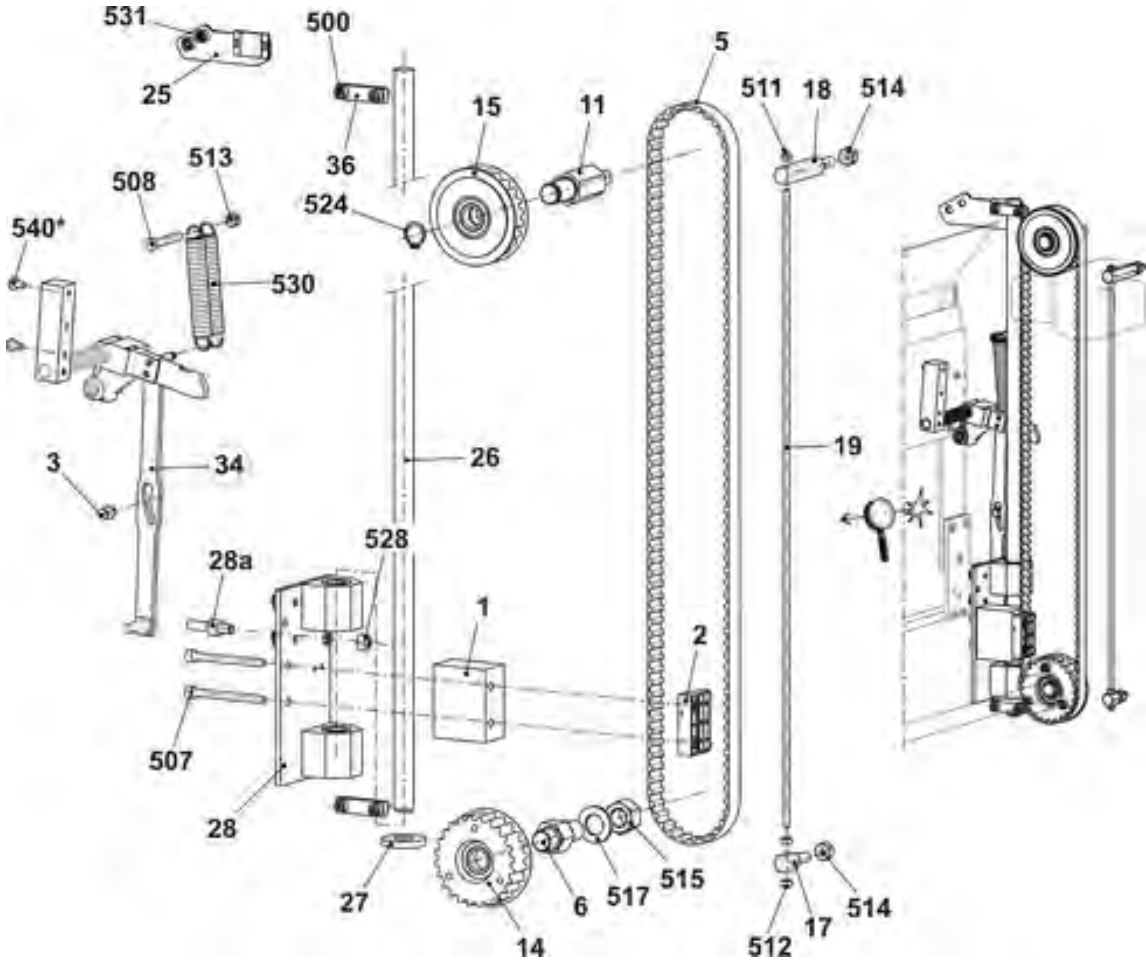
8.1 Comb take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Comb take-down					
1	Comb take-down on the left	256 834		3	E8	253 588
2	Comb take-down on the right	256 835			E10	253 589
3	Comb take-down in the middle				E12	253 522
	E7	253 587			E14	253 590



8.1.1 Comb take-down on the left

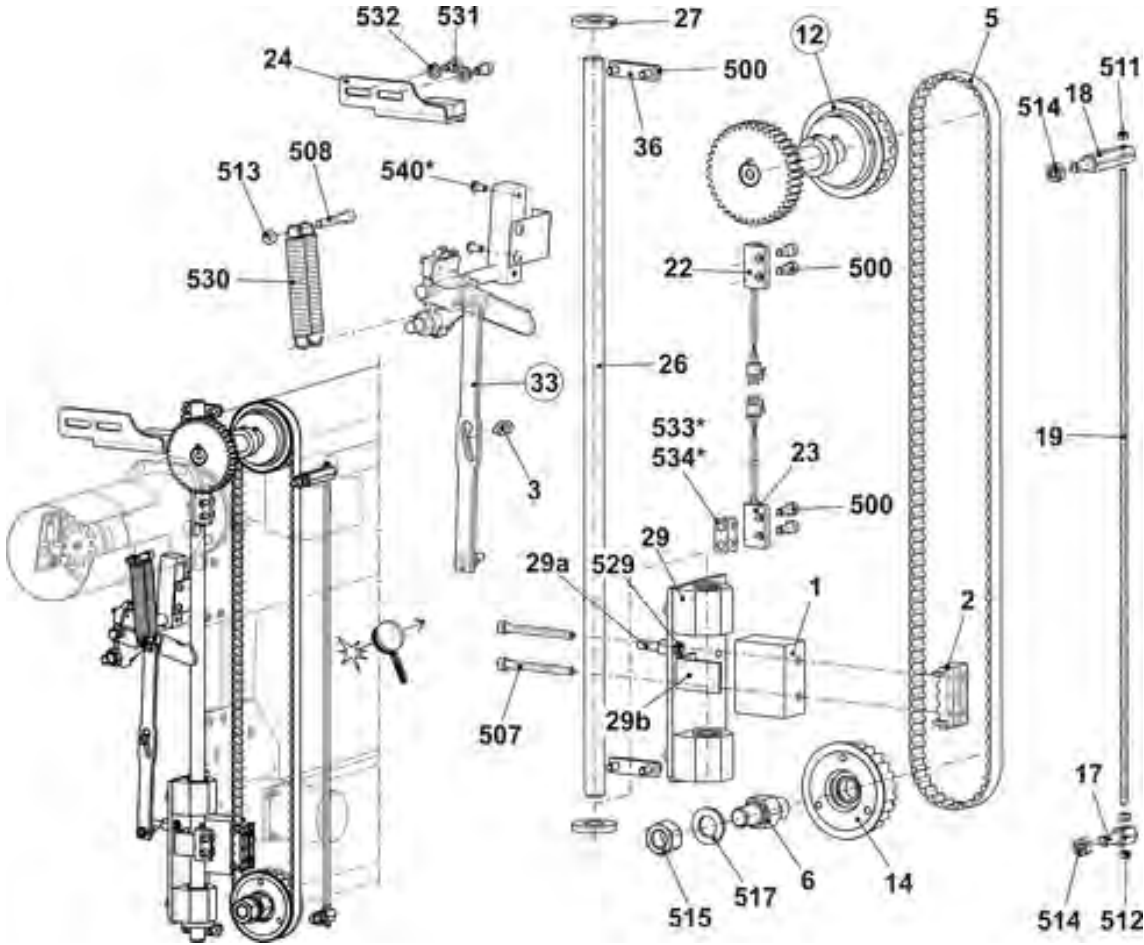
Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping piece	209 379	528	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric 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	Washer16	020 876
26	Guide bar C35	206 560	524	Locking ring17x1	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 Comb take-down

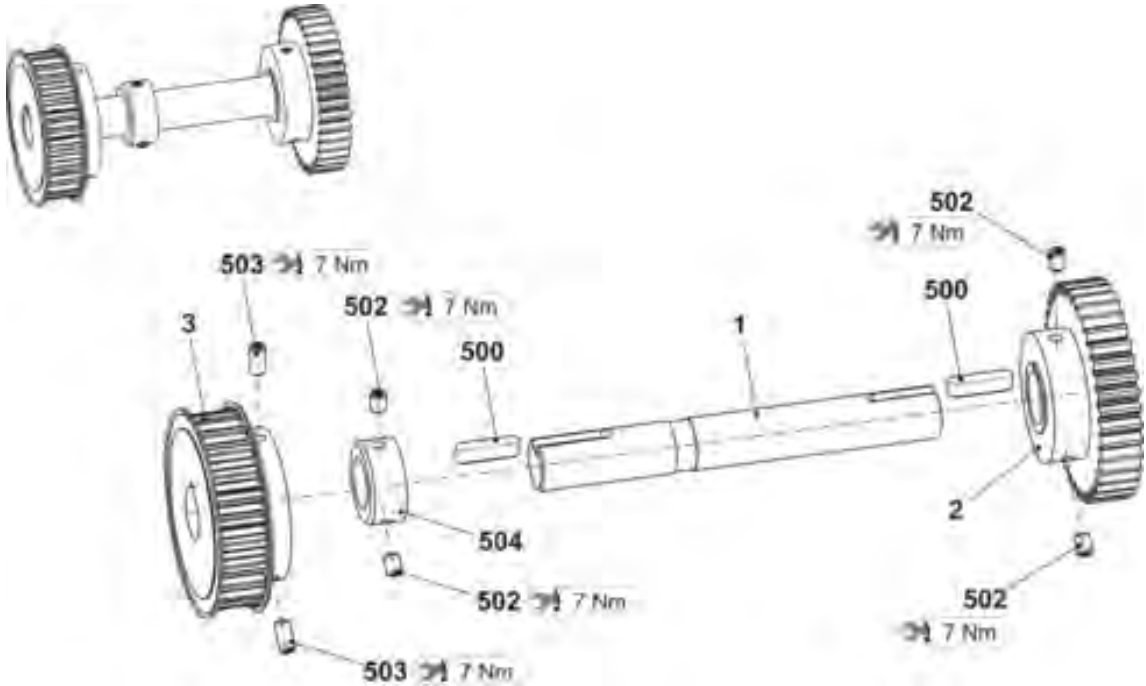
8.1.2 Comb take-down on the right

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 belt16T10/1300	240 065	500	Cap screwM6x16	020 135
6	Eccentric pin	222 320	507	Cap screwM6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screwM6x45	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	Washer16	020 876
24	Light barrier complete	256 825	530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560	531	Cap screwM6x12	020 134
27	Rubber buffer	206 561	532	Washer6	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 screwM5x10	023 247



8.1.2.1 Drive shaft of comb

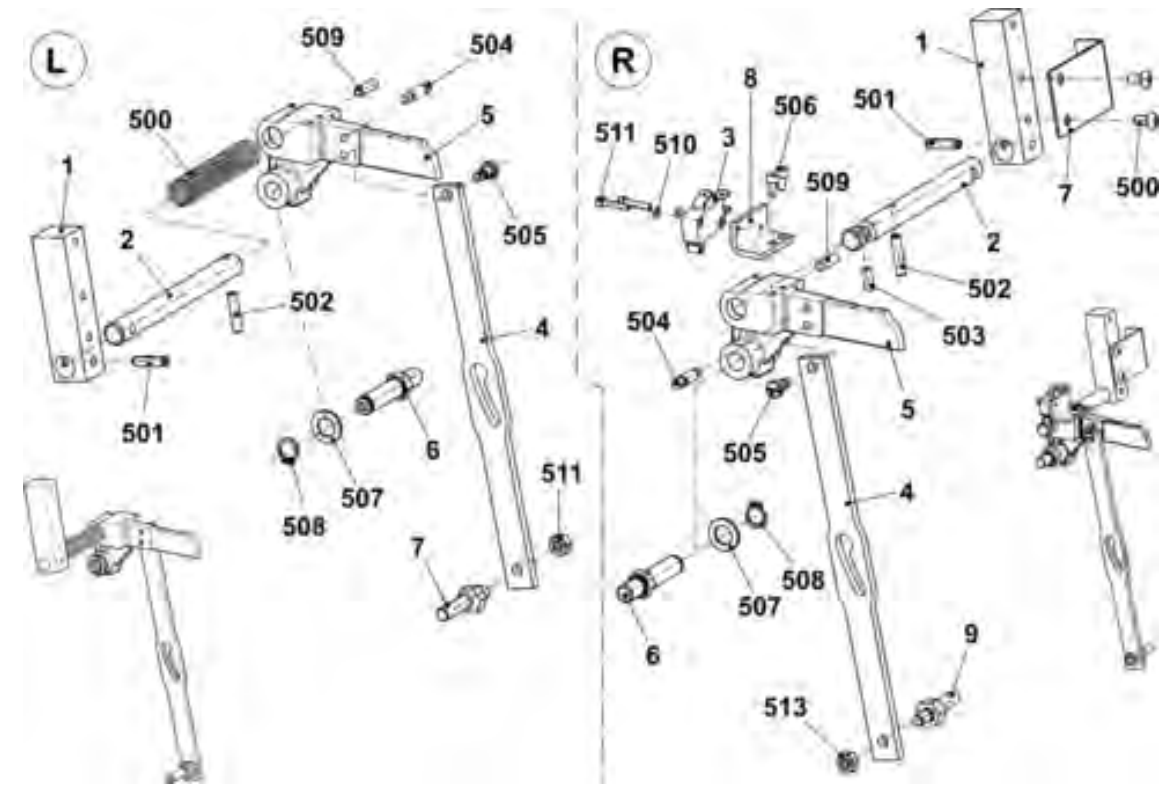
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Shaft	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394		504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



8.1 Comb take-down

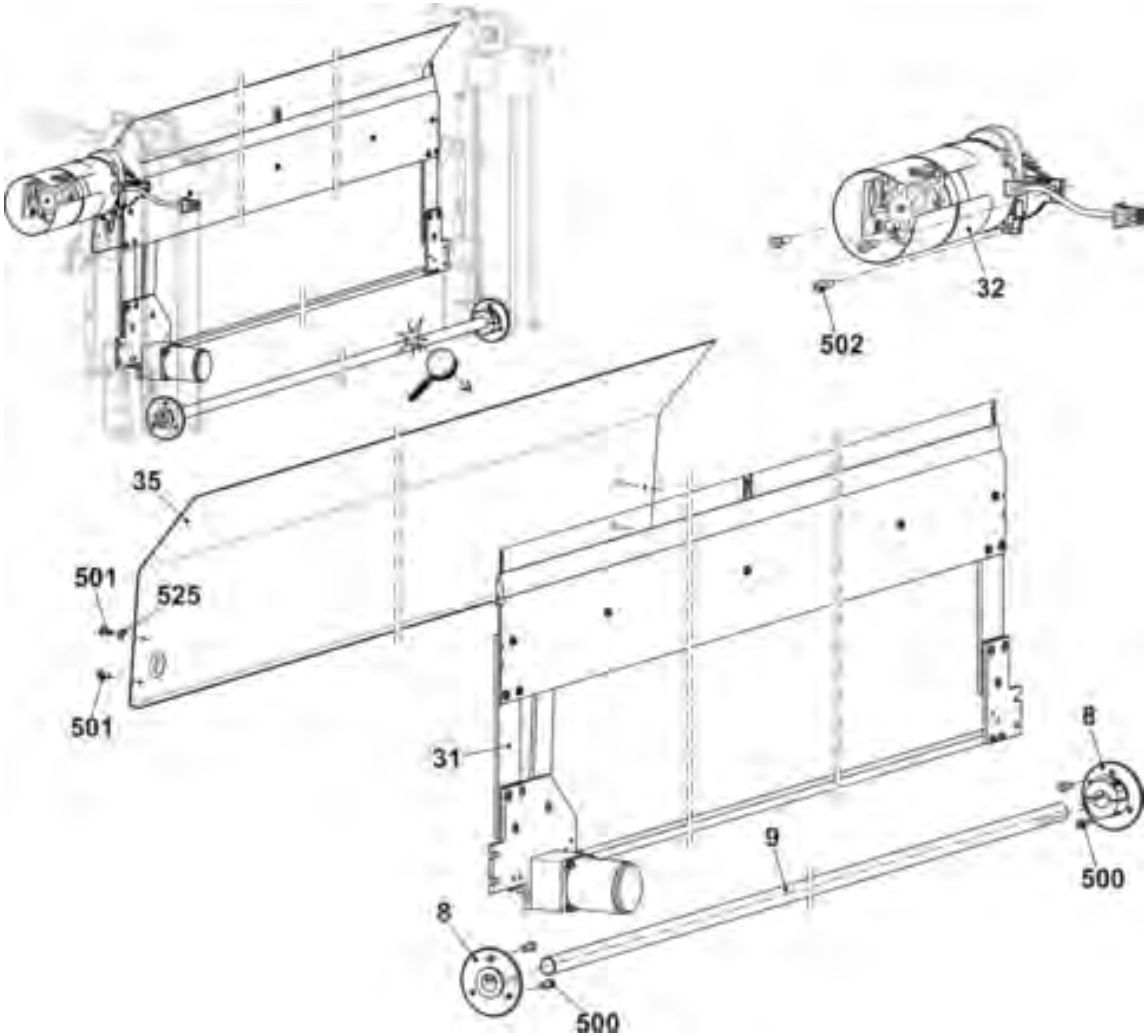
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ L	Swivel lever on the left	252 859		Σ R	Swivel lever on the right	252 858
1	Support	252 780		1	Support	252 780
2	Shaft	223 994		2	Shaft	238 339
4	Plunger	255 650		3	Microswitch	026 259
5	Swivel lever	239 248		4	Plunger	255 650
6	Bolt	214 053		5	Swivel lever	239 248
7	Eccentric bolt	255 651		6	Bolt	214 053
500	Compression spring 1,4x13,6x93	023 572		7	Angle	224 009
501	Spring dowel sleeve Iso8752-5x20	020 794		8	Angle	238 304
502	Dowel pin 5x22	023 716		9	Eccentric bolt	255 651
504	Shoulder screw M5x29x35	251 618		500	Pan-head screwM5x10	023 247
505	Shoulder screw M5x5,8x6,2	023 365		501	Spring dowel sleeve 5x20	020 794
507	Washer10	020 884		502	Dowel pin 5x22	023 716
508	Locking ring	020 950		503	Spring dowel sleeve 5x12	020 793
509	Shoulder screw M5x12x18	020 539		504	Shoulder screw M5x29x35	251 618
511	Hexagon nut M8-6	020 838		505	Shoulder screw M5X5,8X6,2	023 365
				506	Cap screwM4x8	022 501
				507	Washer10	020 884
				508	Locking ring 10x1	020 950
				509	Shoulder screw M5X12X18	020 539
				510	Cap screwM3x16	022 583
				511	Washer3	020 877
				513	Hexagon nut M8-6	020 838



8.1.3 Comb take-down in the middle

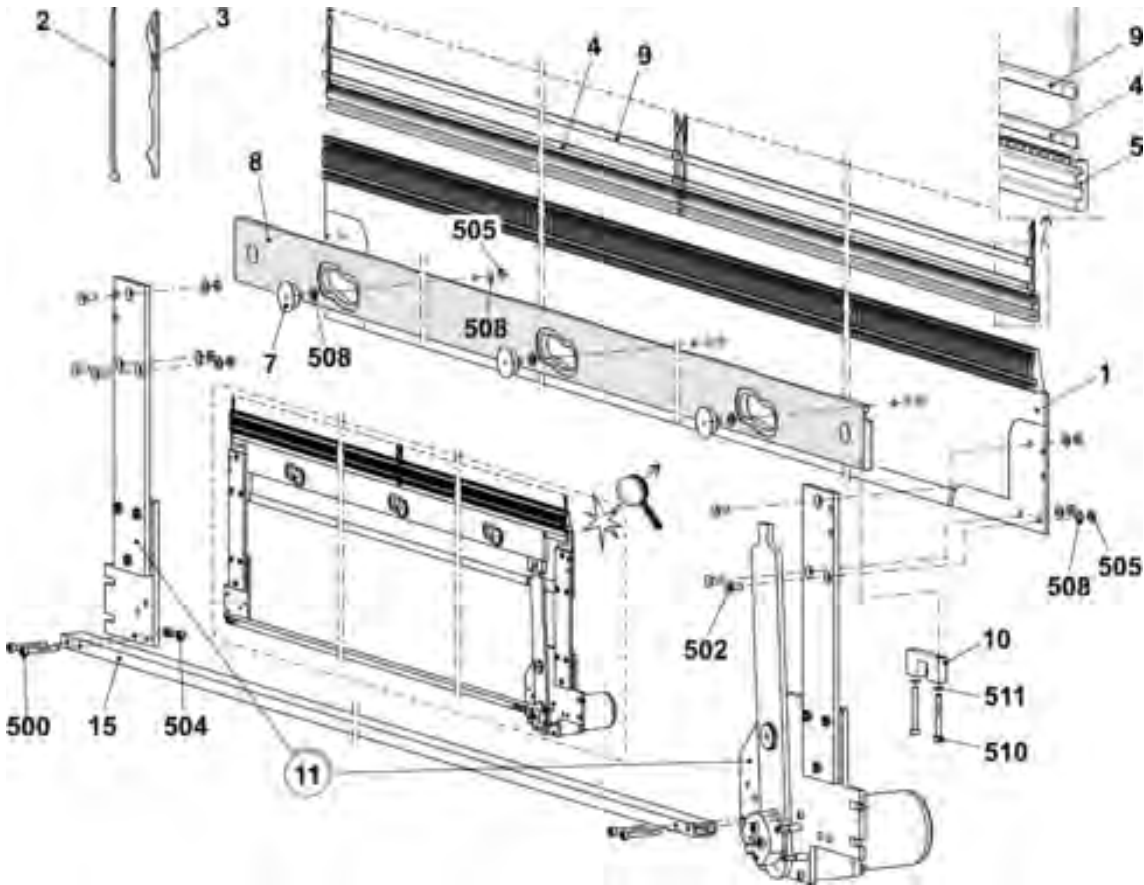
Pos	Designation	ID		Pos	Designation	ID
Σ	Comb take-down in the middle			31	Comb unit	
	E7	253 587			E7	241 531
	E8	253 588			E8	241 532
	E10	253 589			E10	241 533
	E12	253 522			E12	240 061
	E14 E7.2 mg	253 590			E14 E7.2 mg	241 534
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	213 968		35	Marking plate open	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 Comb take-down

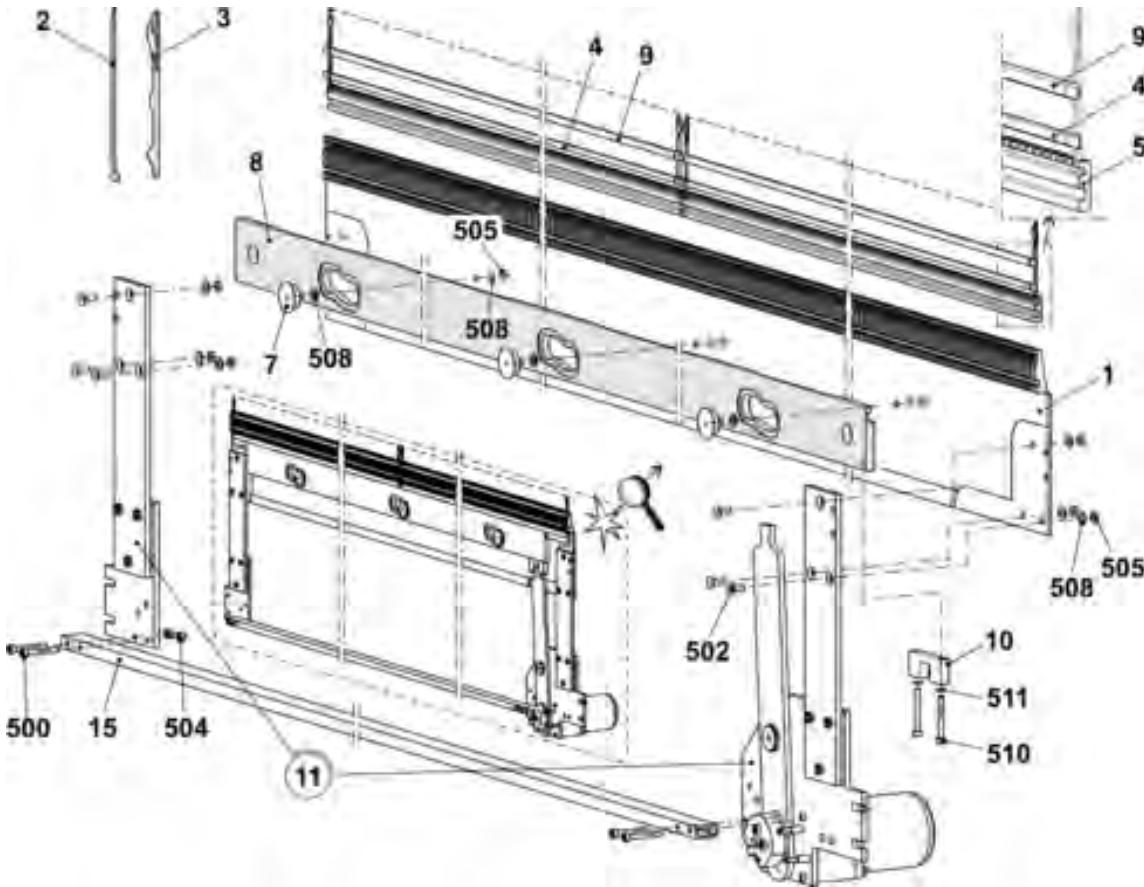
8.1.3.1 Comb unit E7 | E8 | E10

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit		5	Hook slider	
	E7	241 531		E7	220 993
	E8	241 532		E8	220 994
	E10	241 533		E10	220 996
1	Hook bed		7	Collar bolt complete	211 036
	E7	221 194	8	Cross slider	213 429
	E8	221 195	9	Cover rail	222 866
	E10	221 196	10	Plunger	205 678
2	Closer		11	Switching lever complete	240 060
	E3-8	230 105	15	Stabilizer	215 253
	E10-14	230 106	502	Countersunk head screw M5x12	023 340
3	Body		504	Hexagon nut M4-8	023 046
	E3-8	230 093	505	Hexagon nut M5-04	020 854
	E10-14	230 094	508	Washer5	020 871
4	Cover rail	213 428	510	Cap screw M4x35	023 550
500	Cap screw M4x30	023 290	511	Circlip	022 774



8.1.3.2 Comb unit E12 | E14

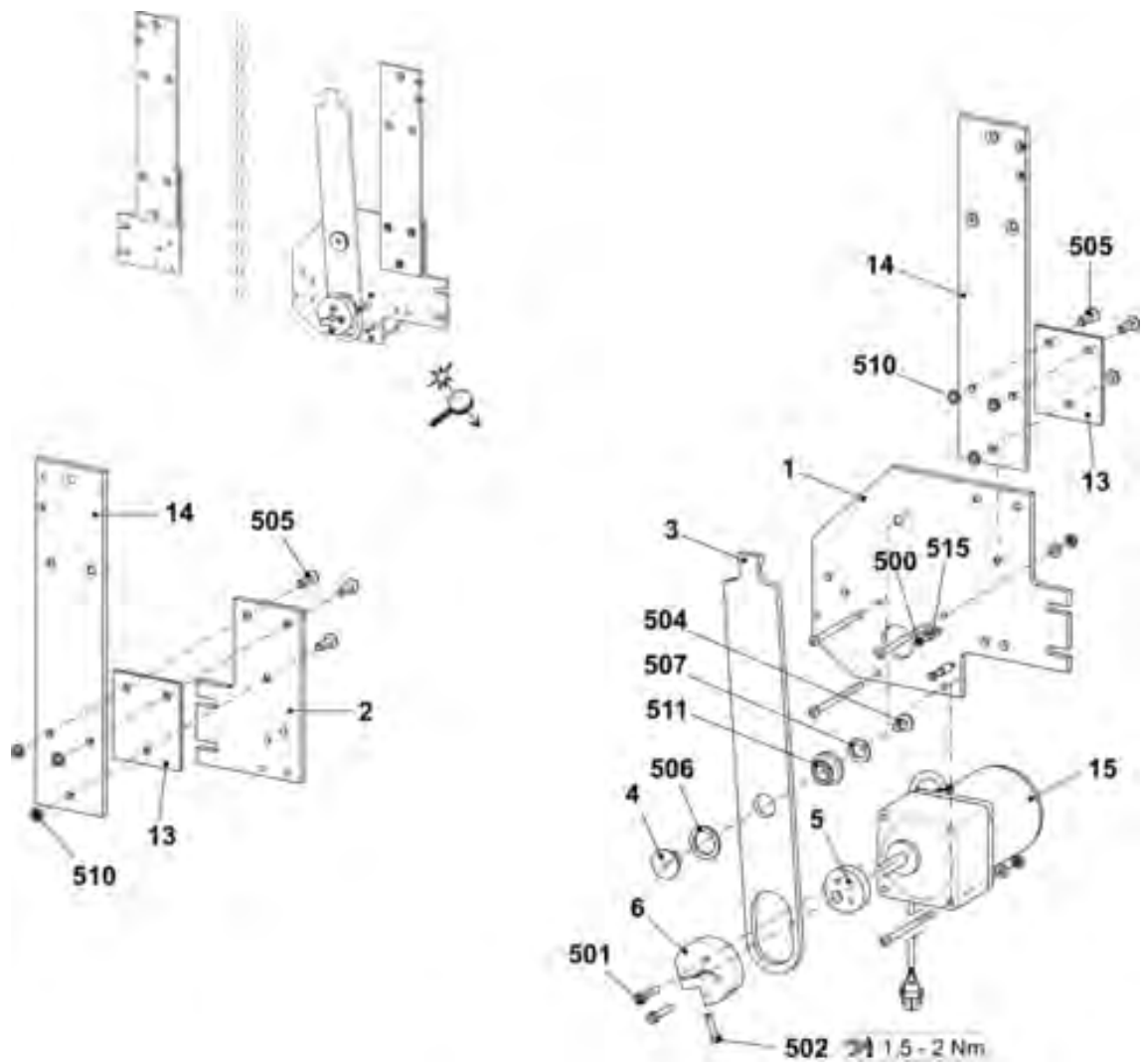
Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit				
	E12	240 061	8	Cross slider	240 061
	E14	241 534	9	Cover rail	222 866
1	Hook bed		10	Plunger	205 678
	E12	221 197	11	Switching lever complete	240 060
	E14	221 198	15	Stabilizer	215 253
2	CloserE10-14	230 106	500	Cap screw M4x30	023 290
3	BodyE10-14	230 094	502	Countersunk head screw M5x12	023 340
4	Cover rail	213 428	504	Hexagon nut M4-8	023 046
5	Hook slider		505	Hexagon nut M5-04	020 854
	E12	220 994	508	Washer5	020 871
	E14	220 993	510	Cap screw M4x35	023 550
7	Collar bolt complete	211 036	511	Circlip	022 774



8.1 Comb take-down

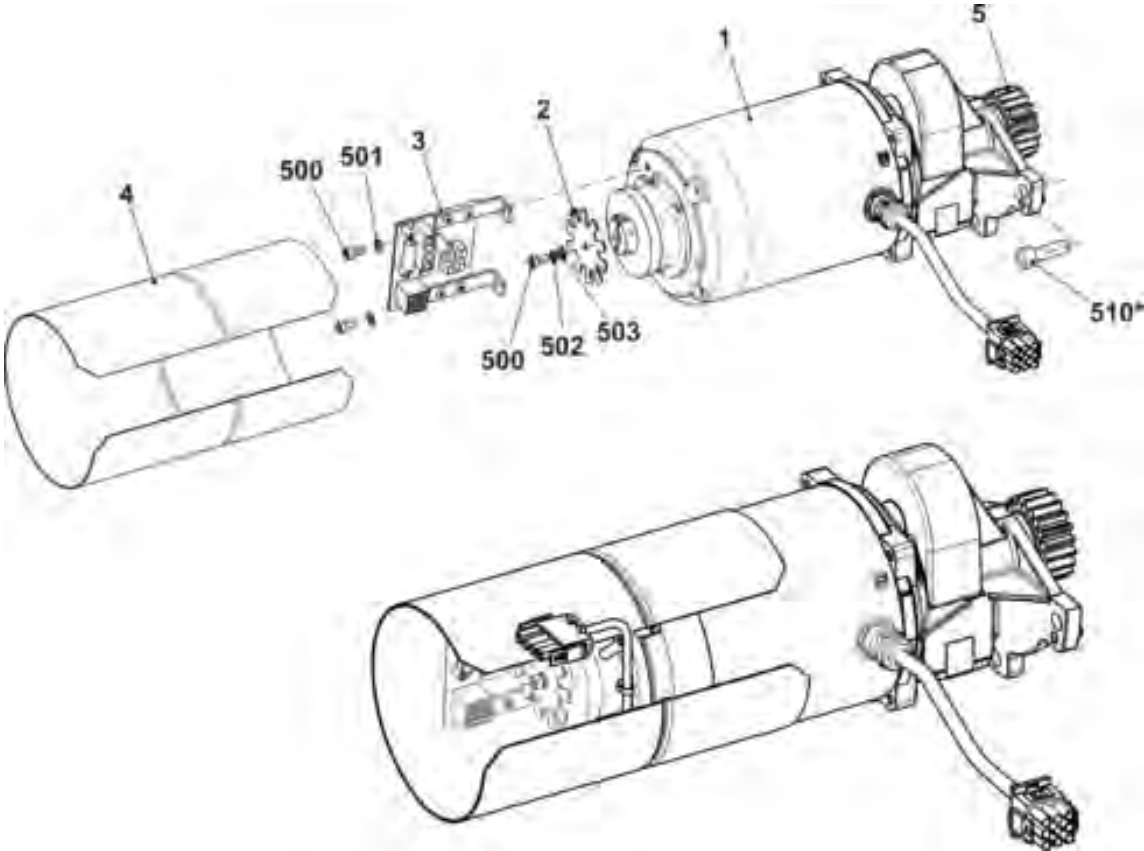
8.1.3.3 Switching lever comb take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Switching lever complete	240 060		500	Cap screwM3x25	023 093
1	Screw-on plate on the right	240 058		501	Cap screwM4x20	023 171
2	Screw-on plate on the left	240 059		502	Cap screwM4x16	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



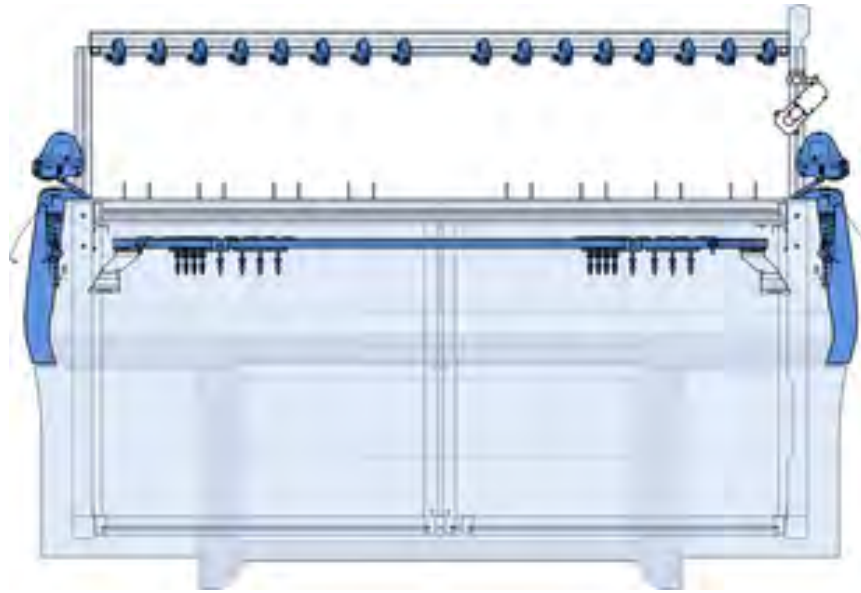
8.1.3.4 Impulse sensor and motor

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	Washer4-200	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



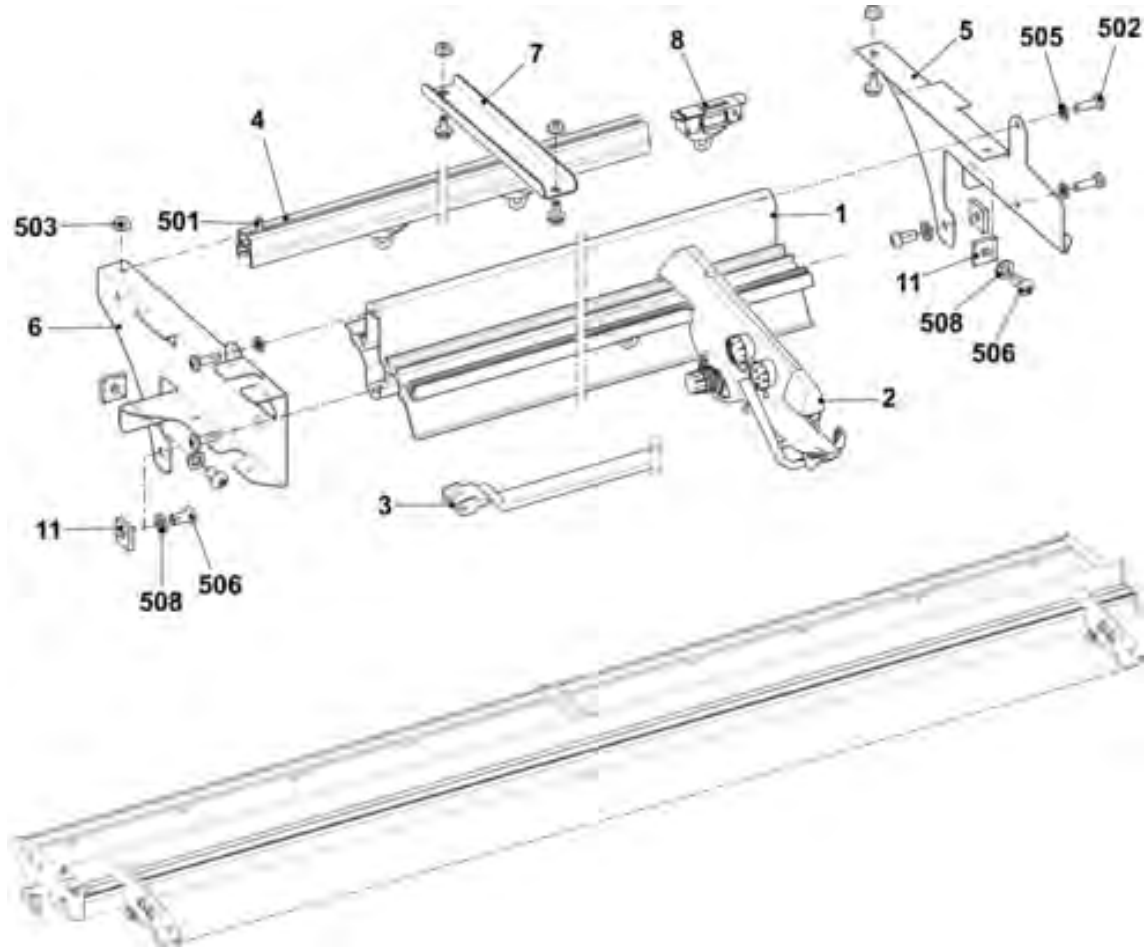
Notes:

9 Yarn delivery device



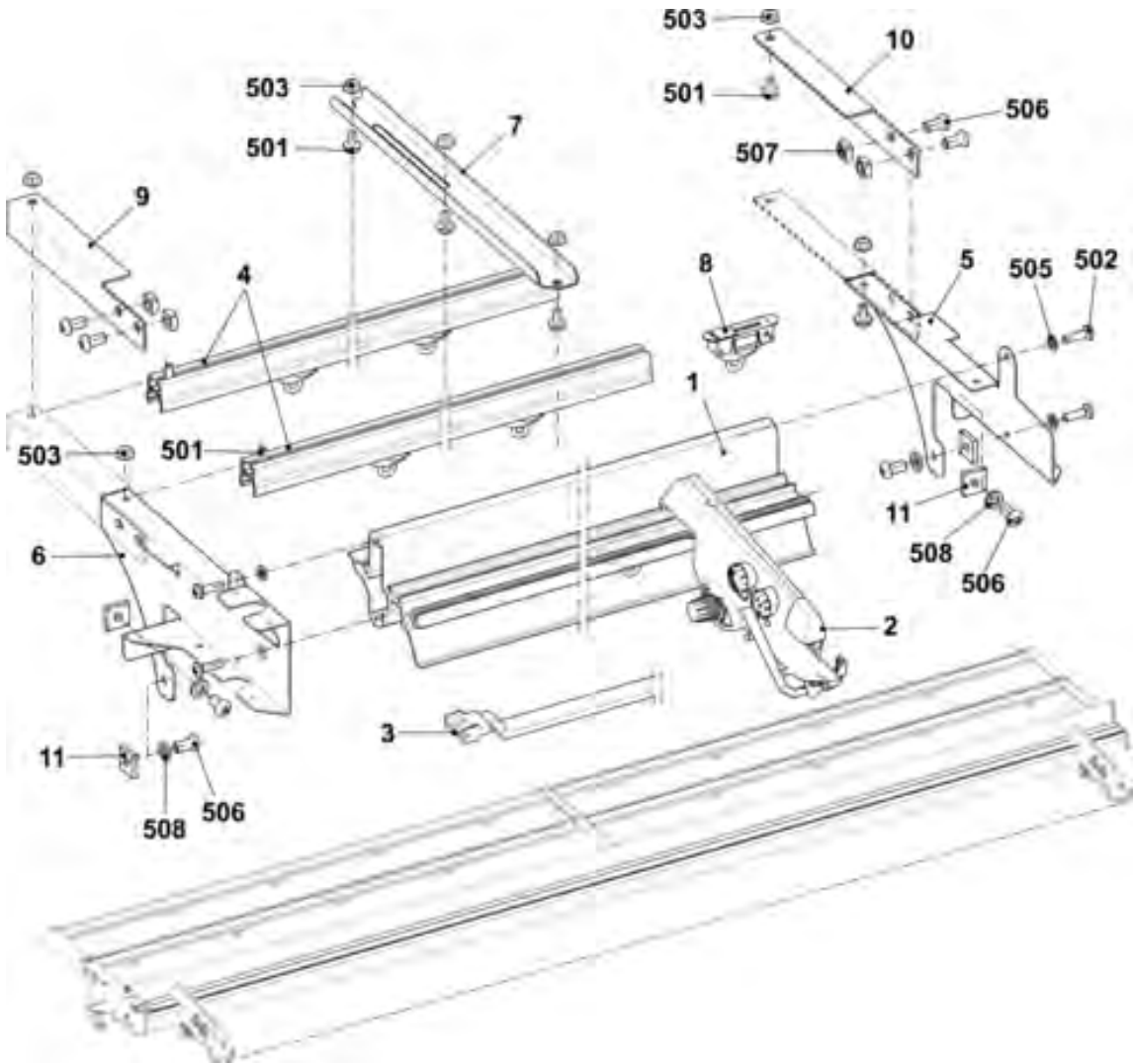
9.1 Yarn guide system with 14 and 20 FKE

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide system 14 FKE 50" (E7 8)	254 060				
	Yarn guide system 20 FKE 50" (E7.2)	257 496		8	Yarn guide bracket complete	241 581
1	Support 50"	243 110		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	243 601		505	Washer6-200	022 431
6	Support on the left	243 600		506	Pan-head screw M8x16	023 113
7	Support	243 792		508	Serrated lock washer	023 388



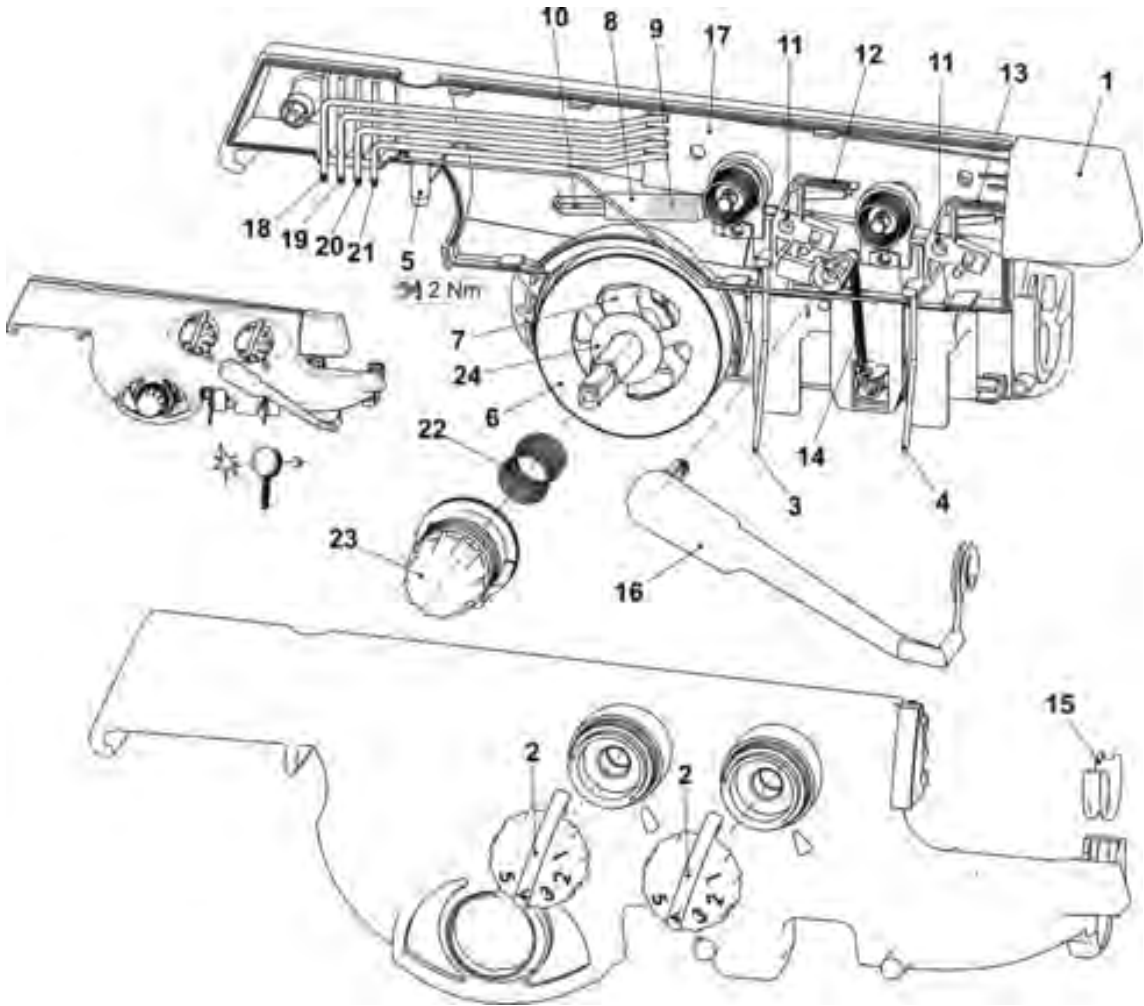
9.2 Yarn guide system with 18 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide system 18 FKE 50"	254 059			
1	Support	243 110	10	Support on the right	243 603
2	Yarn control device (FKE)	237 124	11	Slot nut	228 851
3	Connection cable FKE-3 50"	239 710	501	Self-locking screw M6x12	023 415
4	Yarn guide bar	240 324	502	Screw M6x20	023 721
5	Support on the right	243 601	503	Serrated nut M6-10	023 414
6	Support on the left	243 600	505	Washer6-200	022 431
7	Support	239 295	506	Pan-head screw M8x16	023 113
8	Yarn guide bracket complete	241 581	507	Square nut M8	023 269
9	Support on the left	243 602	508	Serrated lock washer	023 388



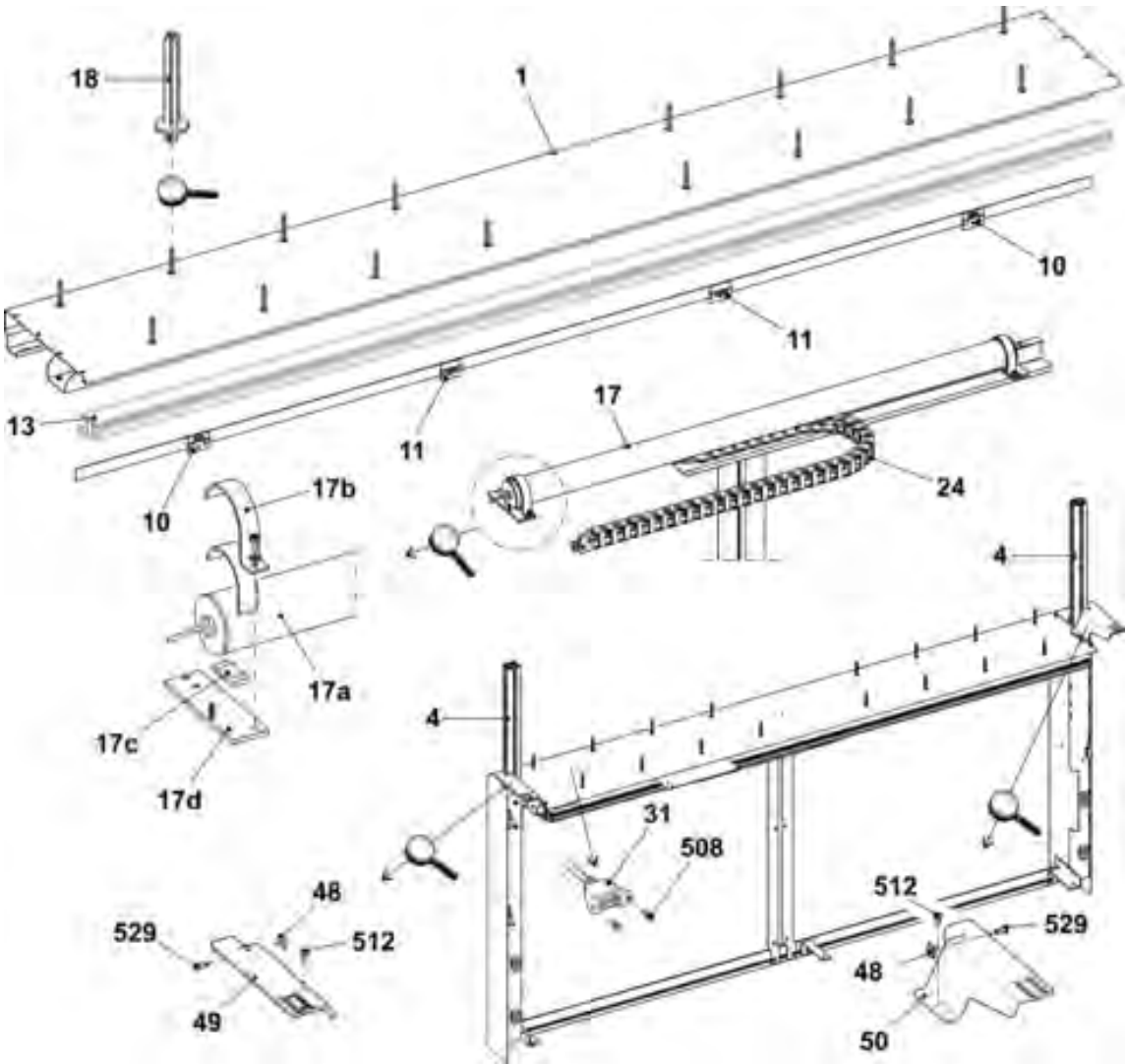
9.3 Yarn control device

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	Pencil	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



9.4 Bobbin board

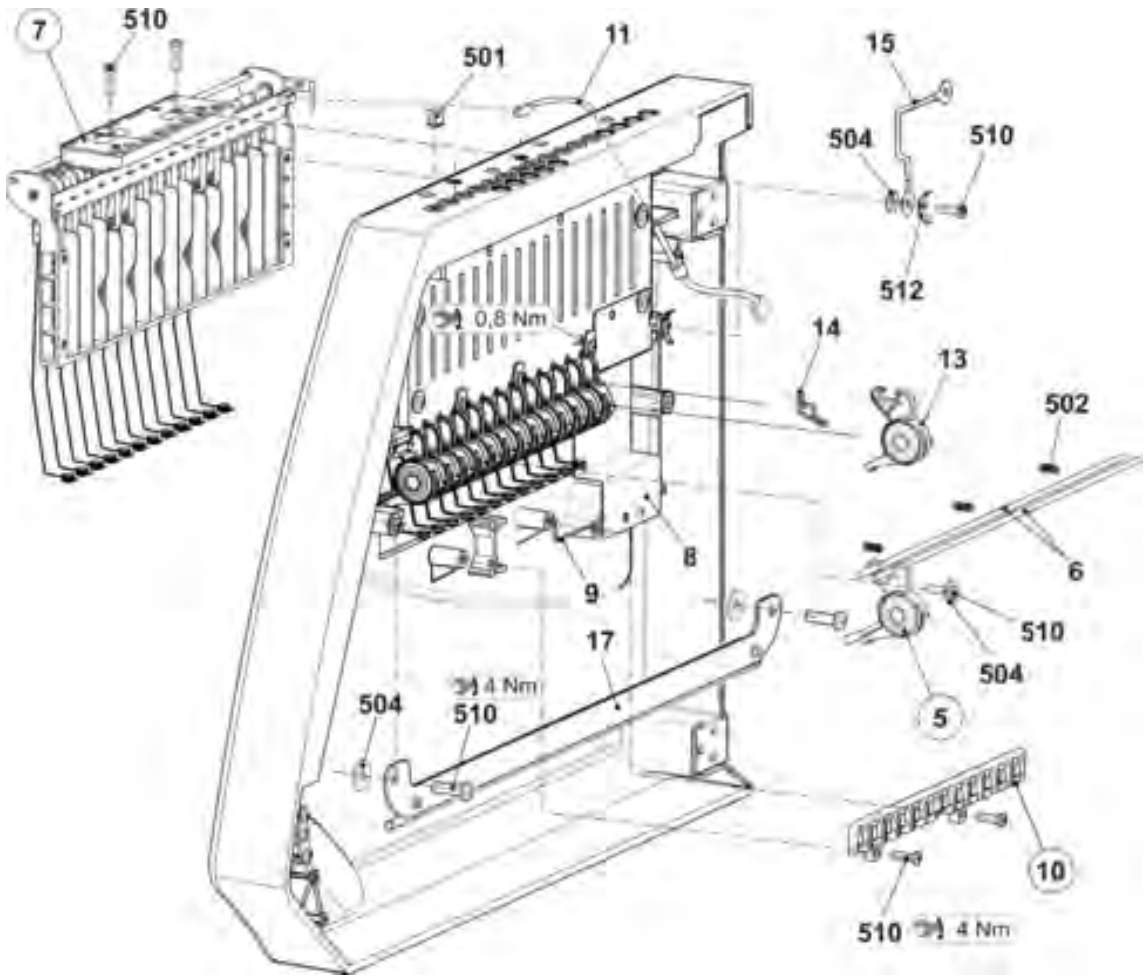
Pos	Designation		ID		Pos	Designation		ID
Σ	Table complete 50"		253 873					
1	Table		251 244		18	Positioning pin		204 819
4	Support element		228 594		24	Energy chain display 38 links		253 888
10	Magnet switch safety door		219 983		31	Cable USB extension okc		240 317
11	Magnet switch safety door		220 159		508	Pan-head screw M3x8		023 251
13	Guide rail at the top complete		257 485		49	Support of left feed wheel		250 966
17	Lamp at the top complete		222 509		50	Support of right feed wheel		250 967
	17a	Light 230 V 50/60 Hz	205 546		48	Slot nut		228 851
	17b	Clamping bow	209 504		512	Pan-head screw M8x16		023 113
	17c	Cellular caoutchouc 40x20	208 018		529	Pan-head screw M8x18		251 331
	17d	Lamp support	221 951					



9.5 Left yarn guide

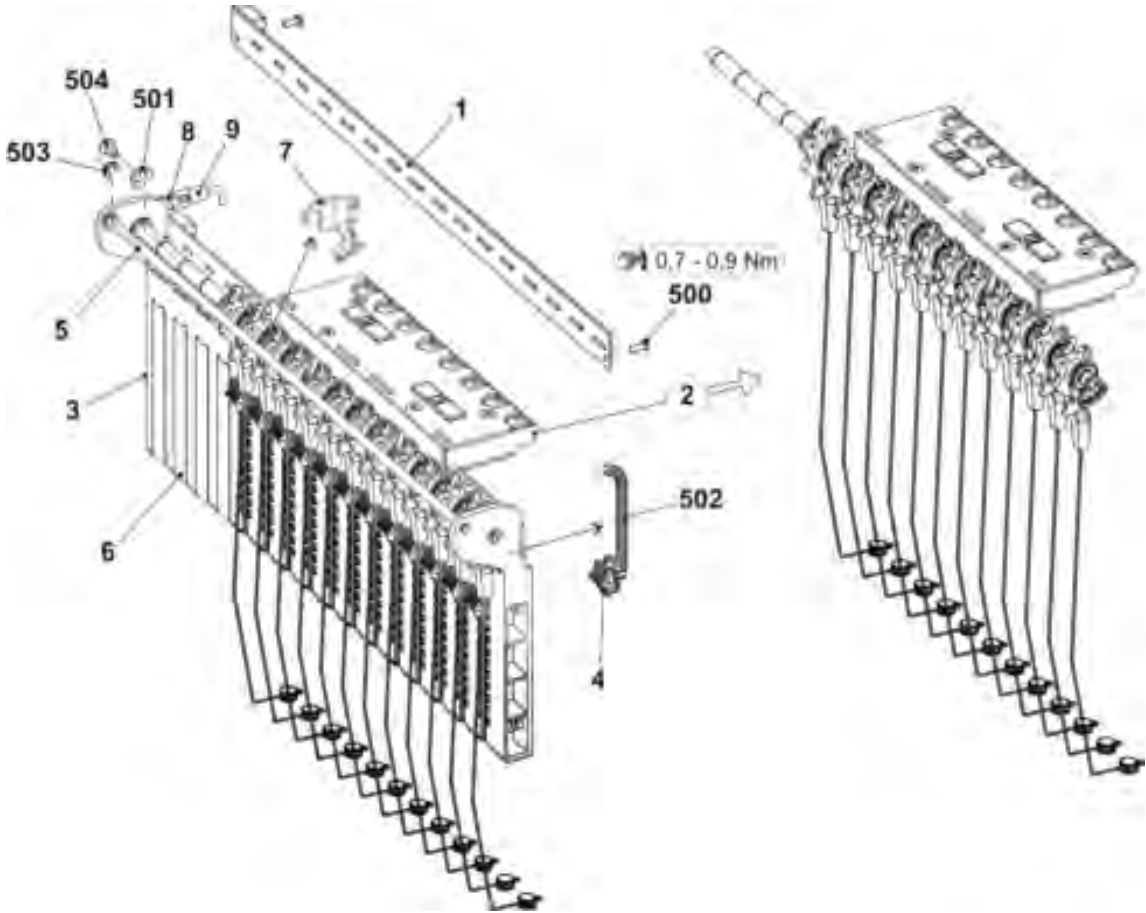
9.5 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete				
	E7-8 (E6.2)	241 272	11	Connection cable yarn tensionerokc	240 808
	E10-18 (E7.2 E6.2(12) E7.2(14))	241 273	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Wave	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete		17	Stop bar on the left complete	258 454
	E7-8 (E6.2)	241 364	501	Ceramic eyelet	240 640
	E10-18 (E7.2 E6.2(12) E7.2(14))	241 365	502	Compression spring 0,90x5,40x13,60	241 360
8	Cover	240 783	504	Washer6	022 537
9	Wire bow on the left	241 370	510	Screw KB 60x20	237 682
10	Yarn deflector	242 011	512	Flat connector 2x45° M6	243 117



9.5.1 Left yarn tensioner

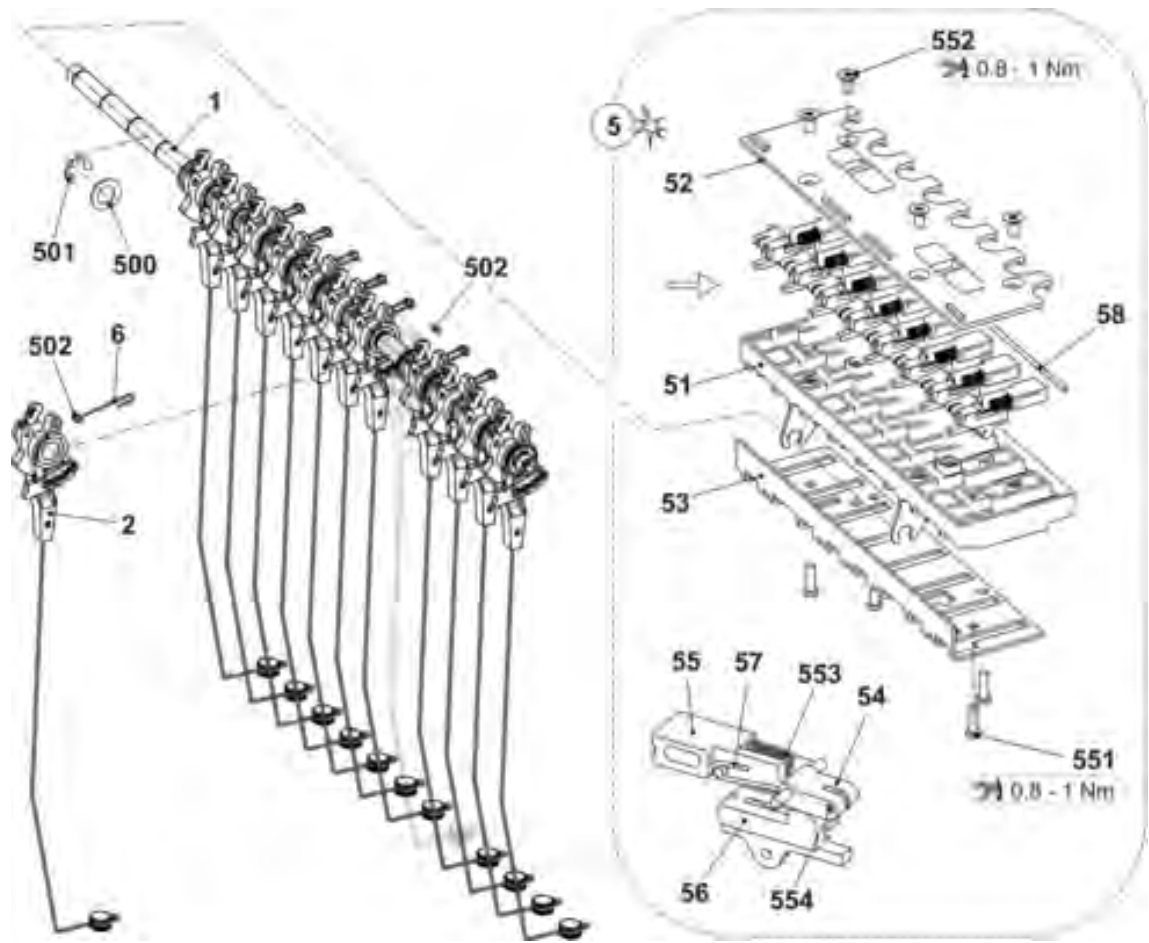
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete					
	E7-8 (E6.2)	241 364		7	Spacer	242 048
	E10-18 (E7.2 E6.2(12) E7.2(14))	241 365		8	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		9	Ground cable yarn tensioner okc	243 105
2	Tension axle on the left complete E3-8	241 366		500	Screw KB 30x8	236 228
	Tension axle on the left complete E10-18	241 381		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 4,9x0,5x53 E6.2	023 503
4	Slider	241 694			Tension spring 4,9x0,5x53 E7.2 E6.2(12) E7.2(14))	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Border	242 268		504	Countersunk screw M4x10	241 914



9.5 Left yarn guide

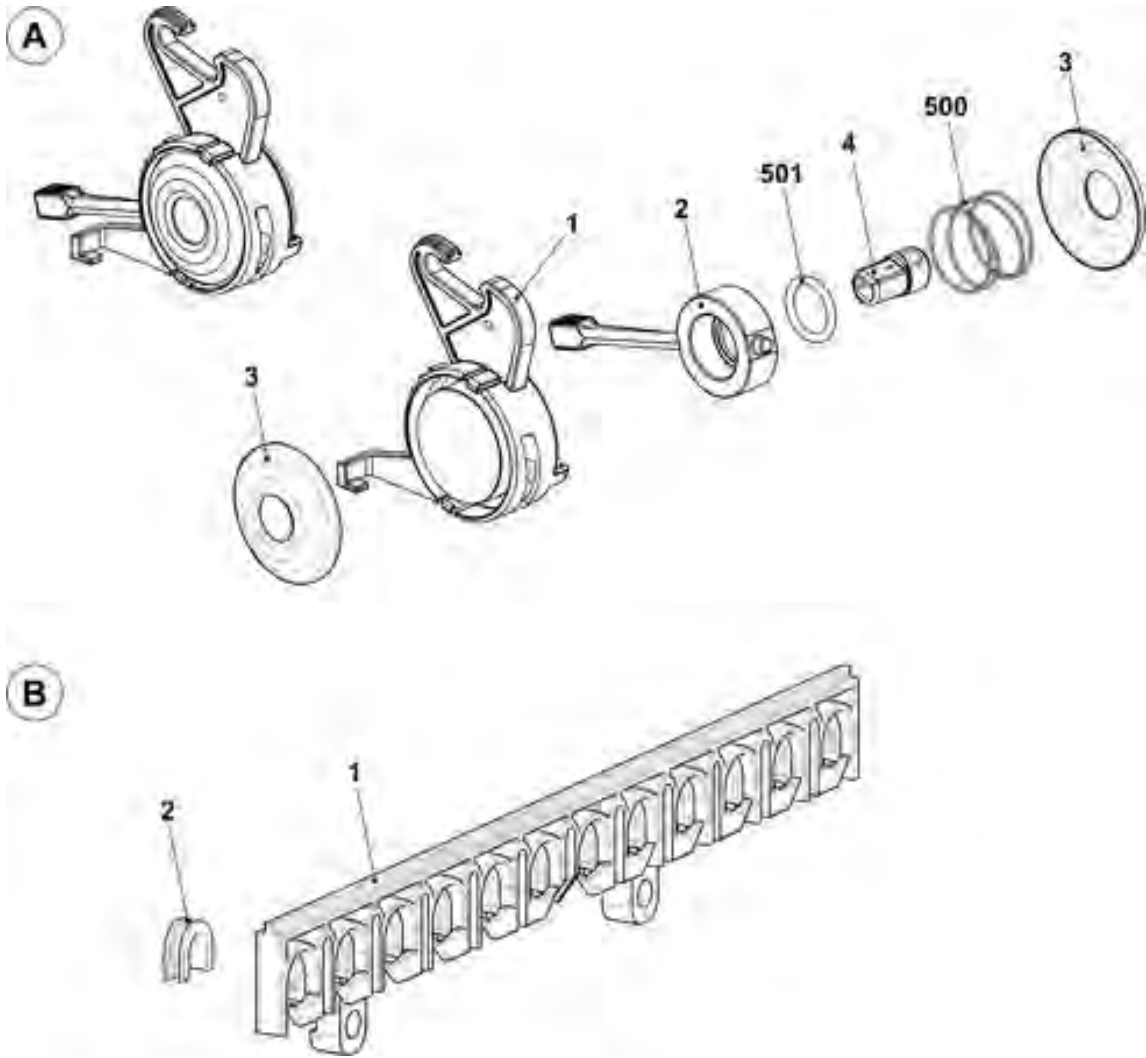
9.5.1.1 Left tension axle

Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the left completeE3-6	241 366		55	Pressure piece AKF	238 690
	Tension axle on the left complete E10-18	241 381		56	SliderAKF	238 691
1	Axle	243 107		57	Wire bow	238 694
2	Tension arm pre-assembledE3-8	259 448		58	Wire	237 940
	Tension arm pre-assembledE10-18	258 459		551	Screw KB 35x12	237 681
6	Wire bow	238 694		552	Screw KB 40x8	236 227
5	Thread clamp AKF	238 695		553	Compression spring 0,30x4,50x18,50	241 437
	51	HousingAKF		554	Grooved pin 2x6	243 172
	52	Cover AKF		500	Shim ring 8x14x0,5	023 501
	53	Sheet metal at the bottom (housing AKF)		501	Circlip	021 022
	54	Lever AKF		502	Grooved pin 2x6	243 172



9.5.2 Yarn brake and yarn deflector

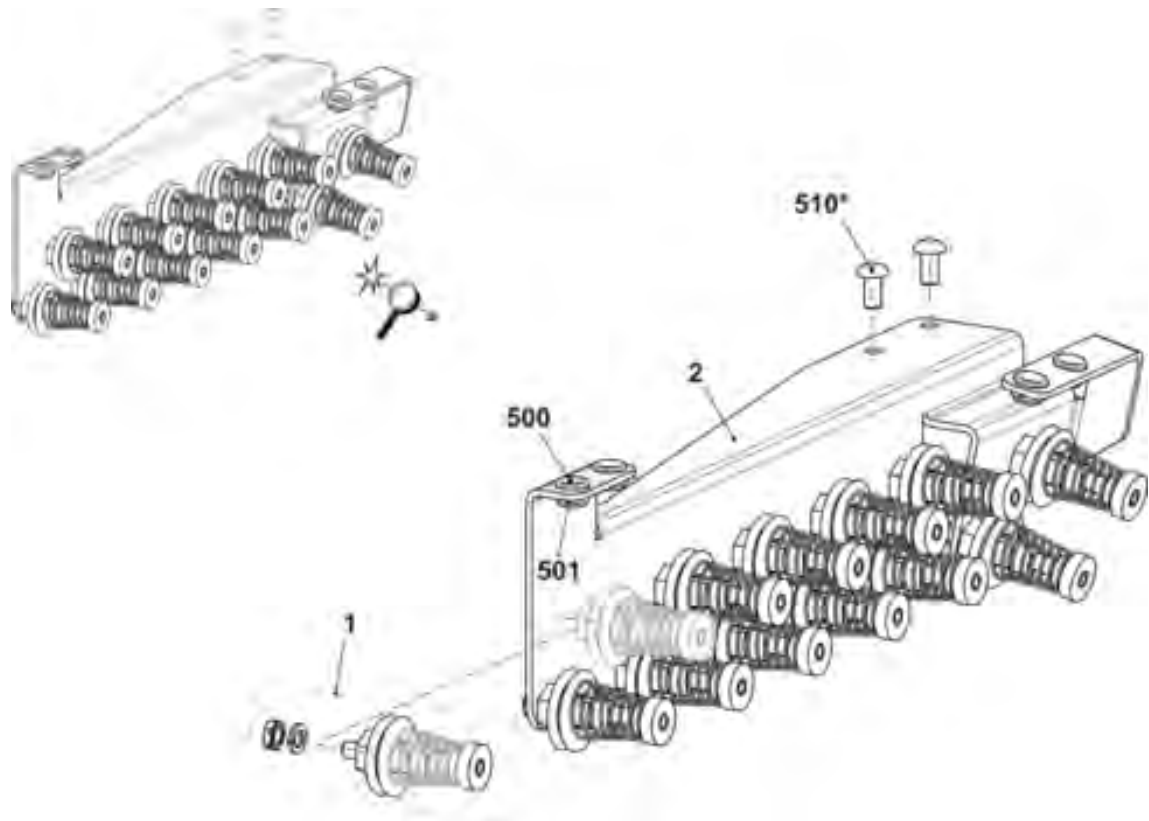
Pos	Designation	ID		Pos	Designation	ID
A	Yarn brake complete	244 347		B	Yarn deflector	242 011
1	Support	240 607		1	Support of yarn deflector	242 009
2	Slider	240 606		2	Ceramic eyelet open	240 733
3	Brake disk	244 355				
4	Ceramic eyelet open	243 778				
500	Compression spring 0,65x20,15x14,80	241 361				
501	O-ring 11x2	241 434				



9.5 Left yarn guide

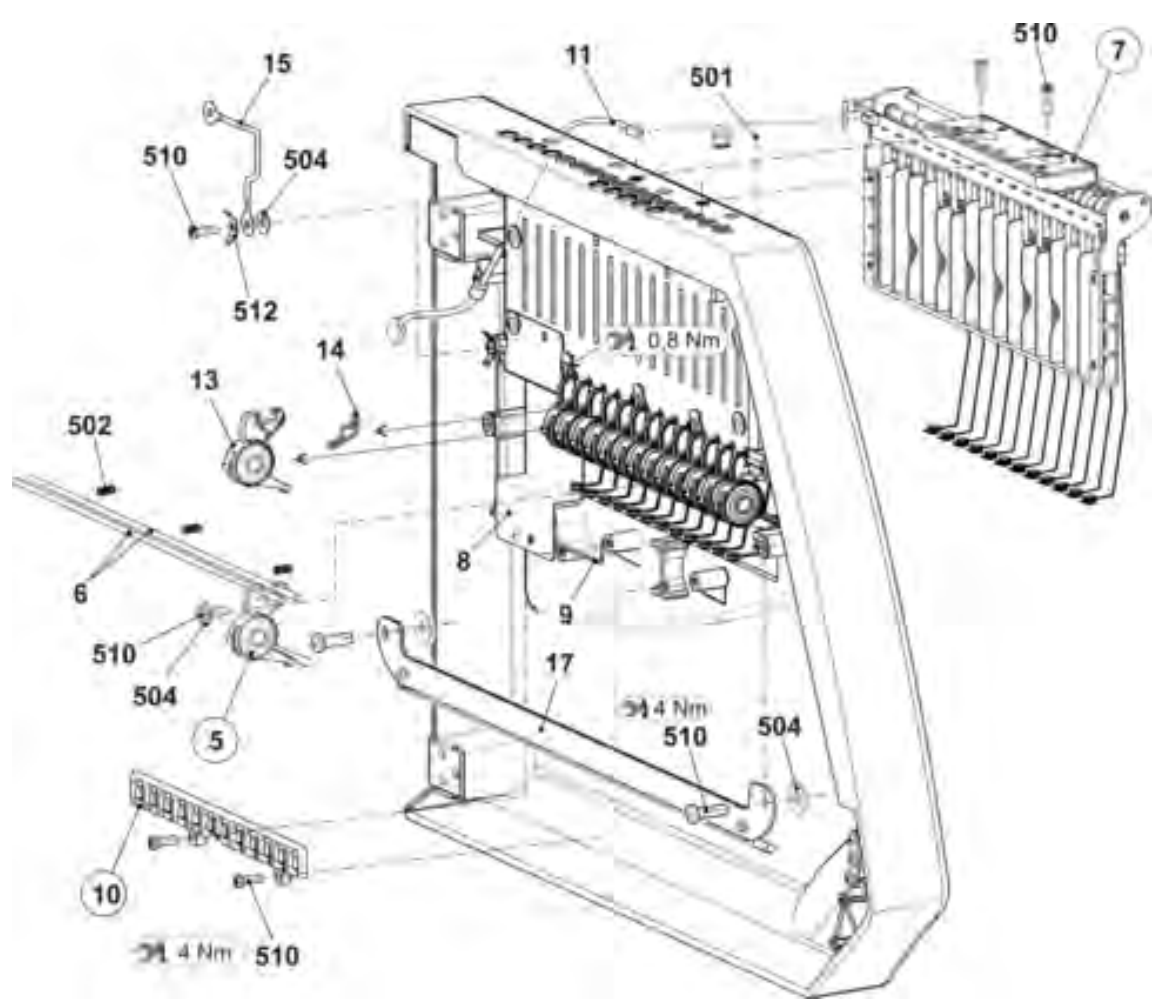
9.5.3 Stopping device on the left

Pos	Designation	Id		Pos	Designation	Id
Σ	Stopping device 12-fold on the left complete	260 342		500	Eyelet 4,2	021 502
1	Yarn brakeE10-18	259 440		501	Clamping ring for sintered ceramics eye	259 606
2	Support plate on the left	260 288		510*	Pan-head screw M5x10	023 247



9.6 Right yarn guide

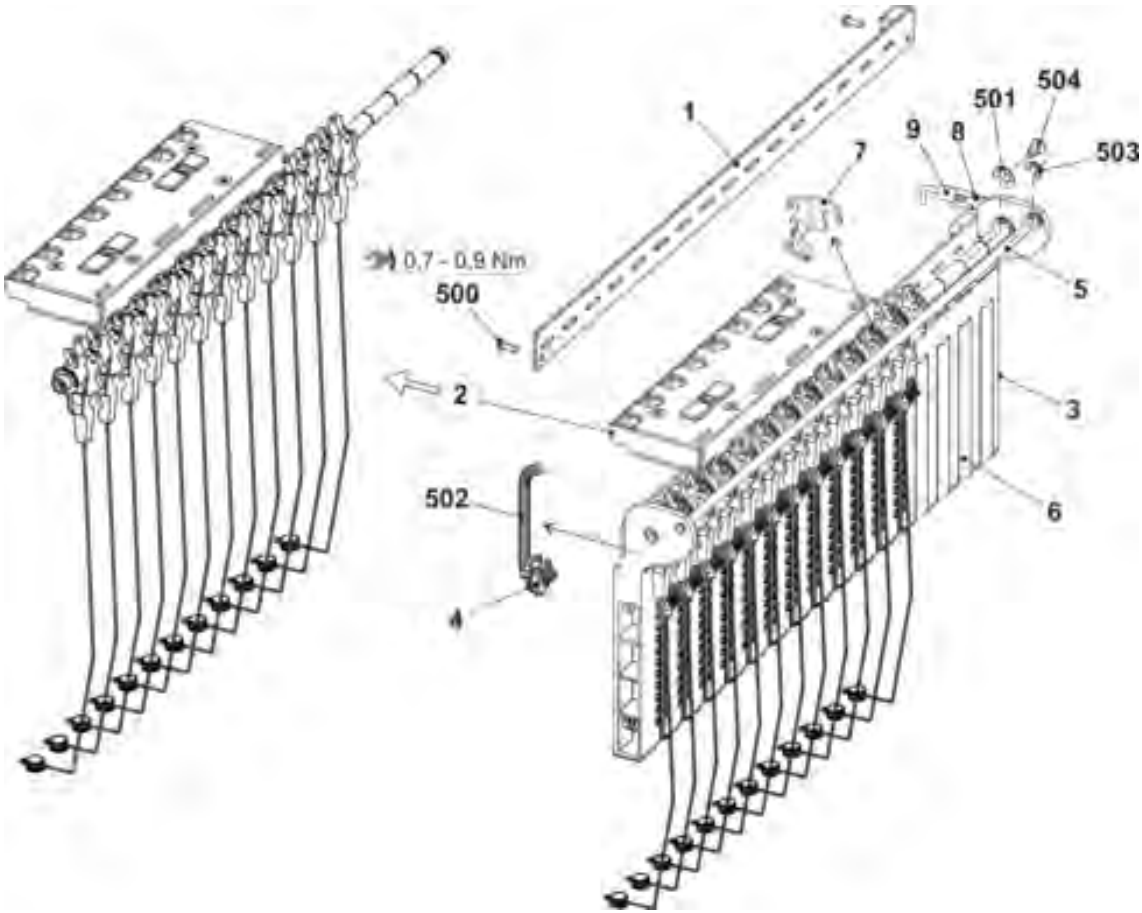
Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete				
	E7-8 (E6.2)	241 275	11	Connection cable yarn tensionerokc	240 808
	E10-18 (E7.2 E6.2(12) E7.2(14))	241 276	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Wave	241 318	15	Ground cable	244 404
7	Yarn tensioner on the right complete		17	Stop bar on the right complete	258 562
	E7-8 (E6.2)	241 383	501	Ceramic eyelet	240 640
	E10-18 (E7.2 E6.2(12) E7.2(14))	241 384	502	Compression spring 0,90x5,40x13,60	241 360
8	Cover	240 783	504	Washer6	022 537
9	Wire bow on the right	241 369	510	Screw KB 60x20	237 682
10	Yarn deflector	242 011	512	Flat connector 2x45° M6	243 117



9.6 Right yarn guide

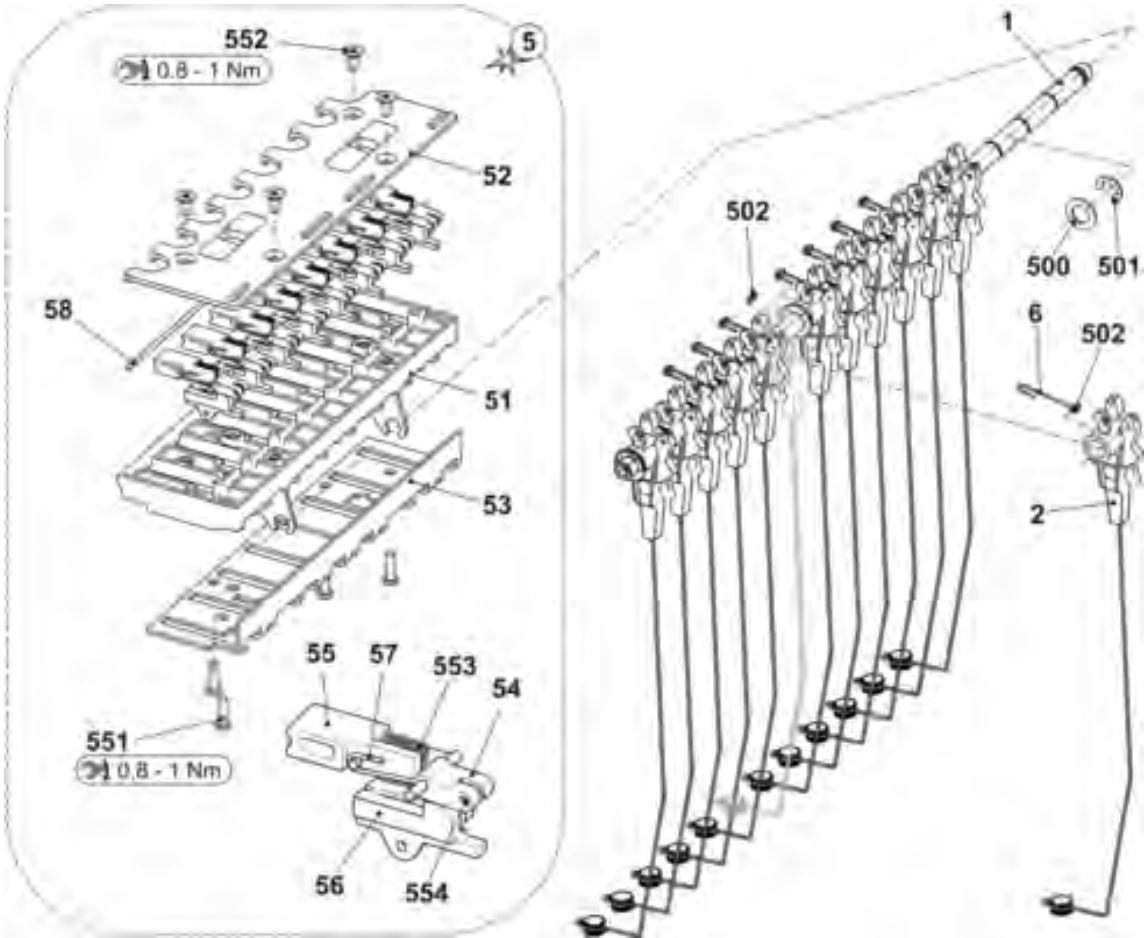
9.6.1 Right yarn tensioner

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the right complete					
	E7-8 (E6.2)	241 383		7	Spacer	242 048
	E10-18 (E7.2 E6.2(12) E7.2(14))	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 completeE3-8	241 379		500	Screw KB 30x8	236 228
	Tension axle on the right completeE10-18	241 380		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 4,9x0,5x53 E6.2	023 503
4	Slider	241 694			Tension spring 4,9x0,5x53 E7.2 E6.2(12) E7.2(14))	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Border	242 268		504	Countersunk screw M4x10	241 914



9.6.1.1 Right tension axle

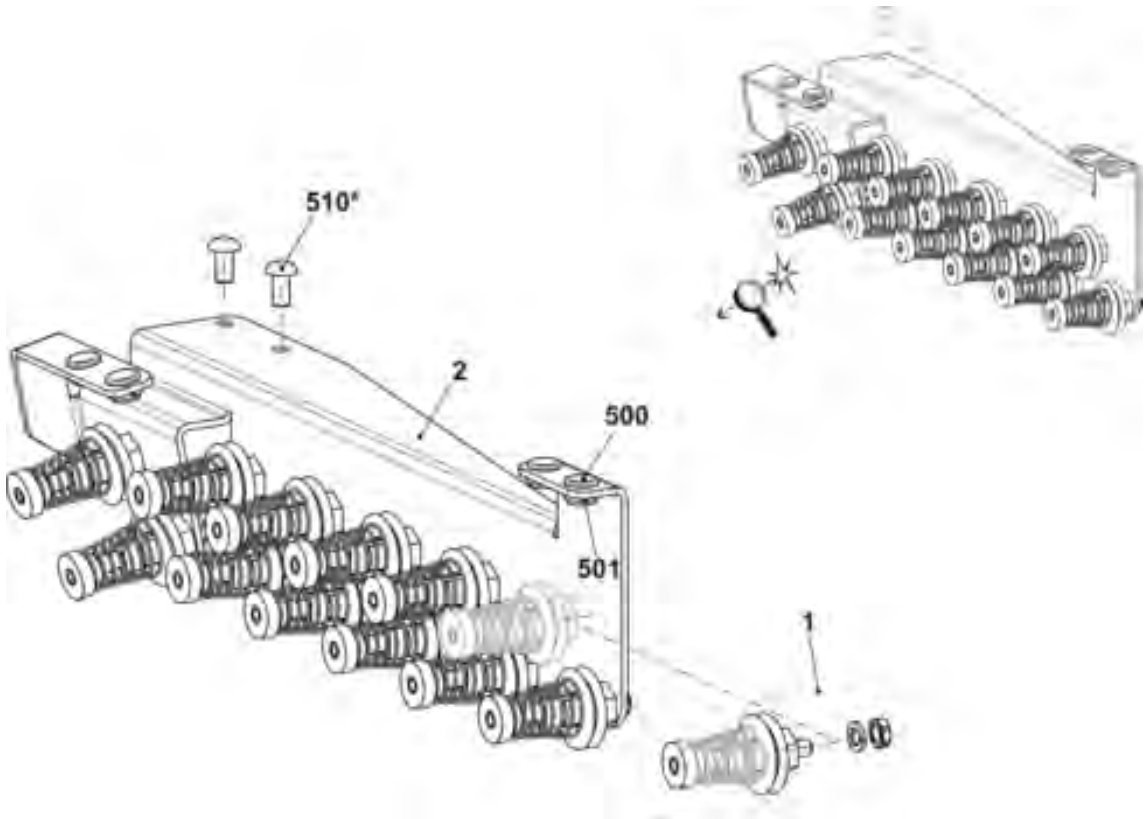
Pos	Designation		ID		Pos	Designation		ID
Σ	Tension axle on the right completeE3-8		241 379		55	Pressure piece AKF		238 690
	Tension axle on the right completeE10-18		241 380		56	SliderAKF		238 691
1	Axle		243 107		57	Wire bow		238 694
2	Tension arm pre-assembledE3-8		259 448		58	Wire		237 940
	Tension arm pre-assembledE10-18		258 459		551	Screw KB 35x12		237 681
6	Wire bow		238 694		552	Screw KB 40x8		236 227
5	Thread clamp AKF		238 695		553	Compression spring 0,30x4,50x18,50		241 437
	51	HousingAKF	238 689		554	Grooved pin 2x6		243 172
	52	Cover AKF	237 926		500	Shim ring 8x14x0,5		023 501
	53	Sheet metal at the bottom (housing AKF)	240 719		501	Circlip		021 022
	54	Lever AKF	238 692		502	Grooved pin 2x6		243 172



9.6 Right yarn guide

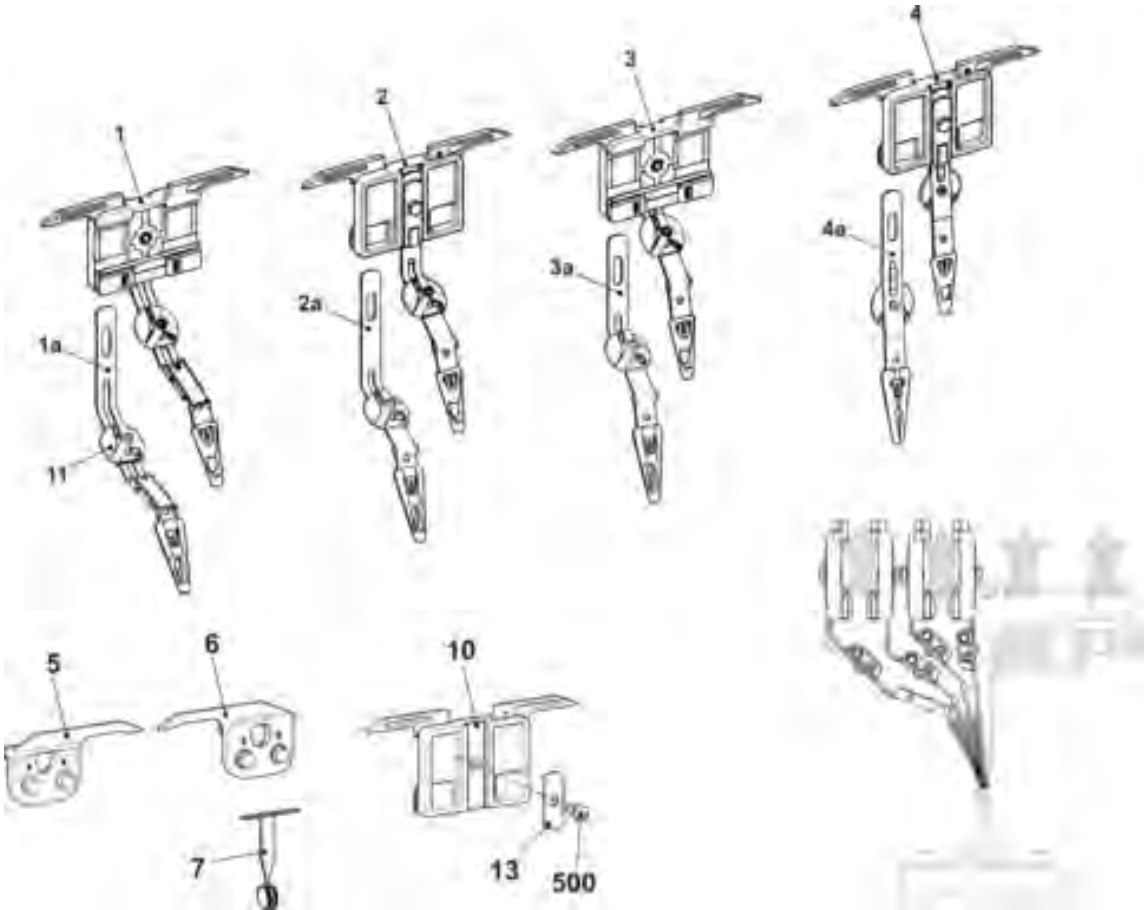
9.6.2 Stopping device on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Stopping device 12-fold on the right complete	260 341		500	Eyelet 4,2	021 502
1	Yarn brakeE10-18	259 440		501	Clamping ring for sintered ceramics eye	259 606
2	Support plate on the right	260 287		510*	Pan-head screw M5x10	023 247



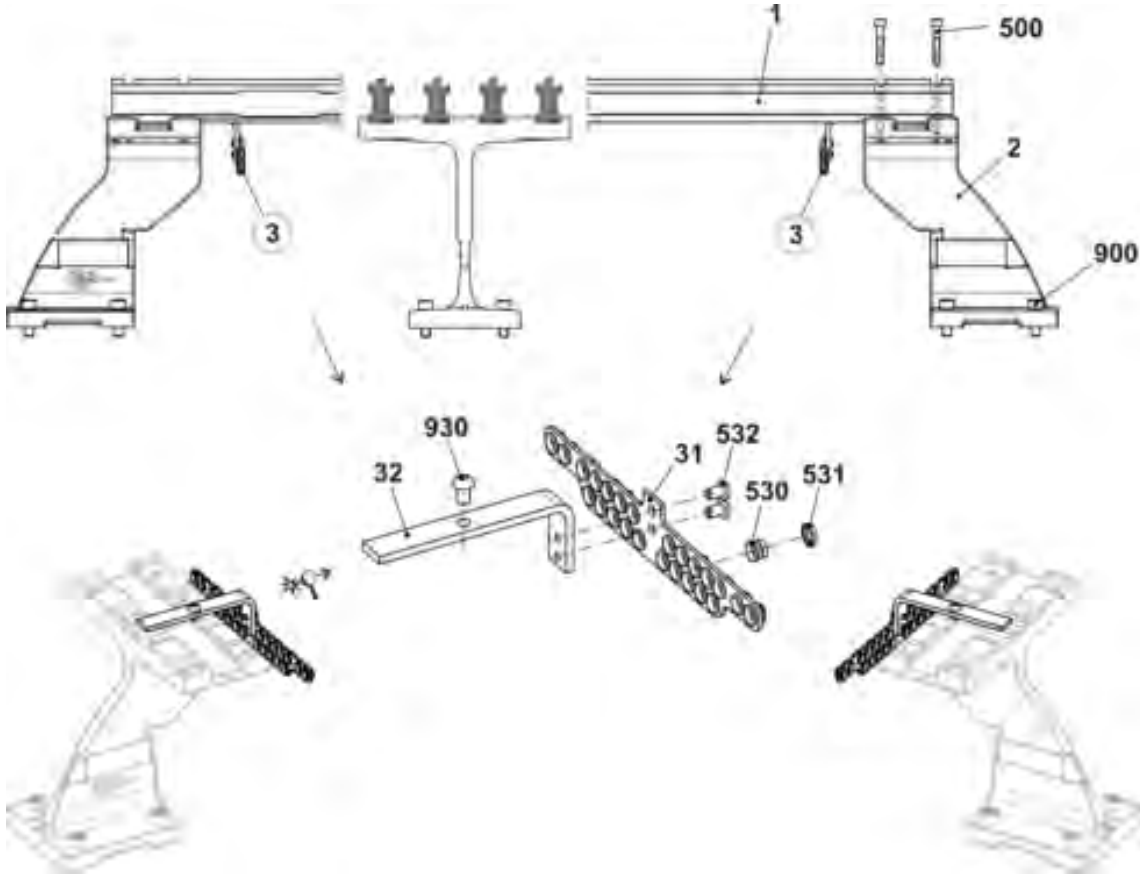
9.7 Yarn guide complete

Pos	Designation	Track	ID		Pos	Designation	ID
Σ	Yarn guide complete						
	E7 E8		244 008				
	E10 E12 E14 E7.2		244 009				
E7 E8				E7 E8			
1	FF carriage complete E7-8	1+8	243 939		1a	FF bow 1+8 complete E7-8	212 892
2	FF carriage complete E7-8	2+7	243 938		2a	FF bow 2+7 complete E7-8	212 914
3	FF carriage complete E7-8	3+6	243 937		3a	FF bow 3+6 complete E7-8	212 925
4	FF carriage complete E7-8	4+5	243 936		4a	FF bow 4+5 complete E7-8	212 910
E10 E12 E14 E7.2					E10 E12 E14 E7.2		
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				



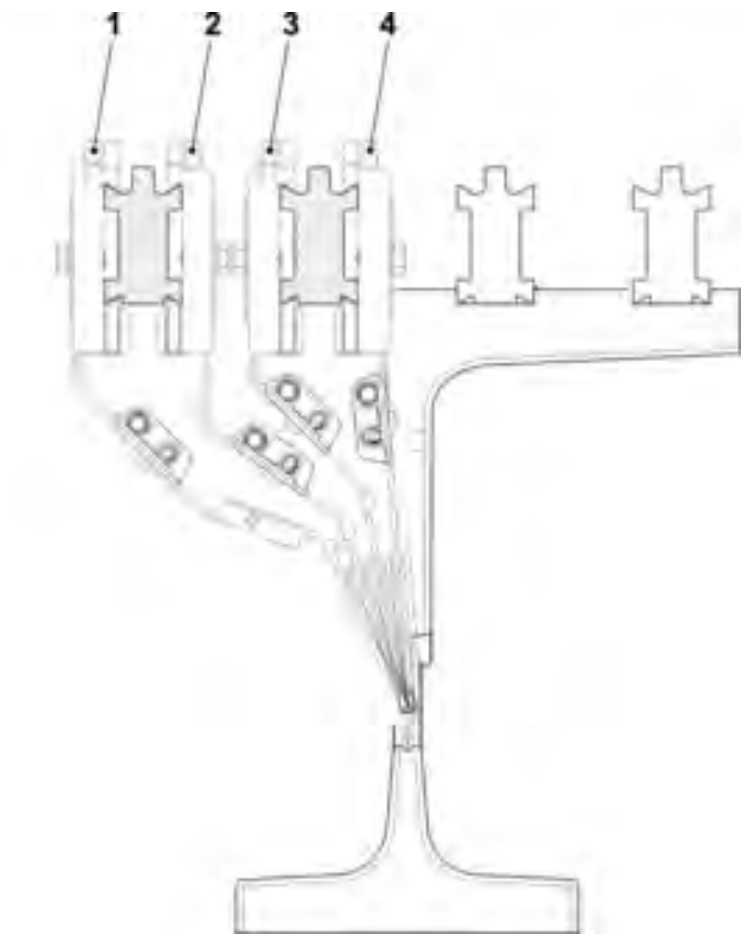
9.8 Bar unit

Pos	Designation		ID		Pos	Designation		ID
Σ	Bar unit		250 971			530	Eyelet 4,2	021 502
1	Yarn carrier rail		255 464			531	Clamping ring	259 606
2	FF support		252 010			532	Pan-head screw M5x8	239 408
3	Yarn guide bracket complete		259 403			930	Pan-head screw M6x10	023 183
	31	Eyelet holder complete	259 402		500	Cap screw M6x35		020 139
	32	Holding angle	259 574		900	Cap screw M8x25		020 142



9.9 Complete yarn carriers

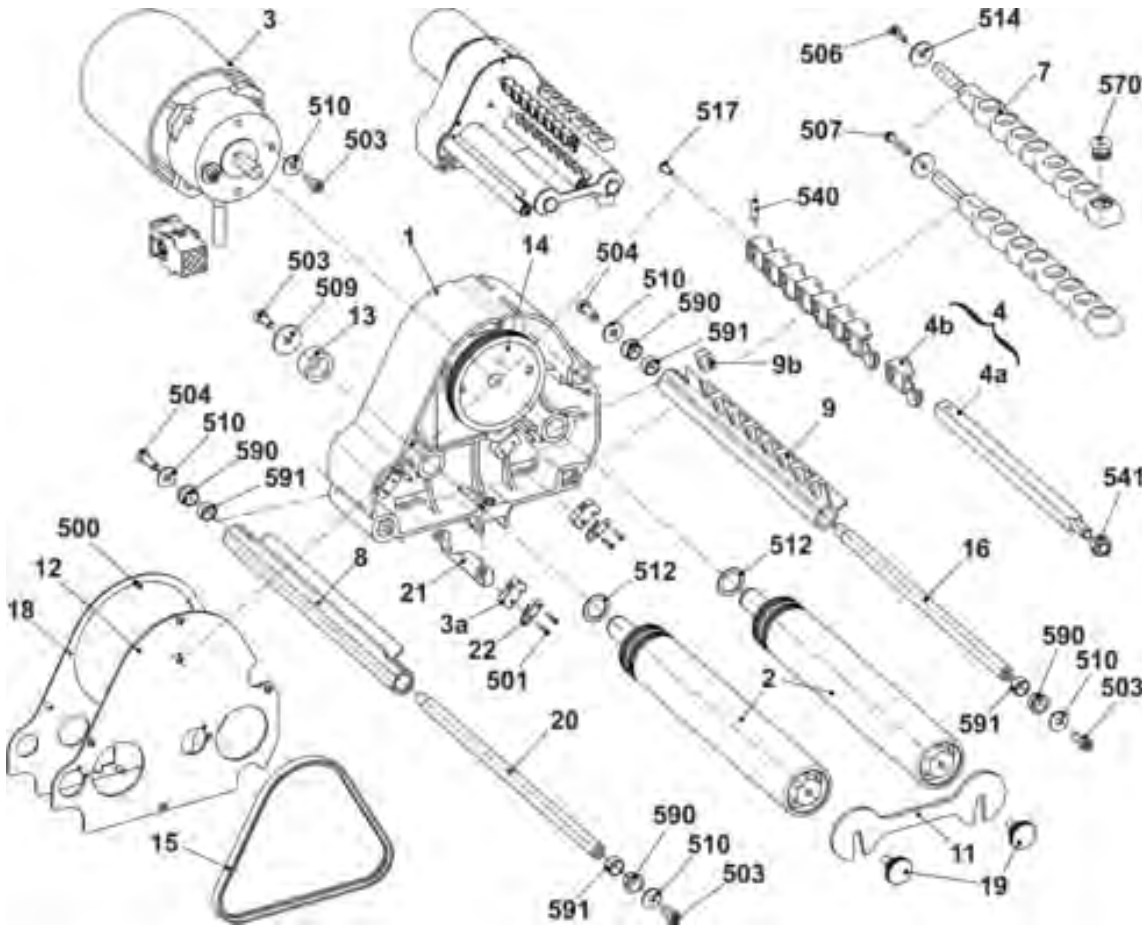
Pos	Designation	Track	ID		Pos	Designation	Track	ID
E7-8					E10-14			
1	FF carriage complete E7-8	1+8	243 939		1	FF carriage complete E10-14	1+8	243 943
2	FF carriage complete E7-8	2+7	243 938		2	FF carriage complete E10-14	2+7	243 942
3	FF carriage complete E7-8	3+6	243 937		3	FF carriage complete E10-14	3+6	243 941
4	FF carriage complete E7-8	4+5	243 936		4	FF carriage complete E10-14	4+5	243 940



9.10 Left friction feed wheel

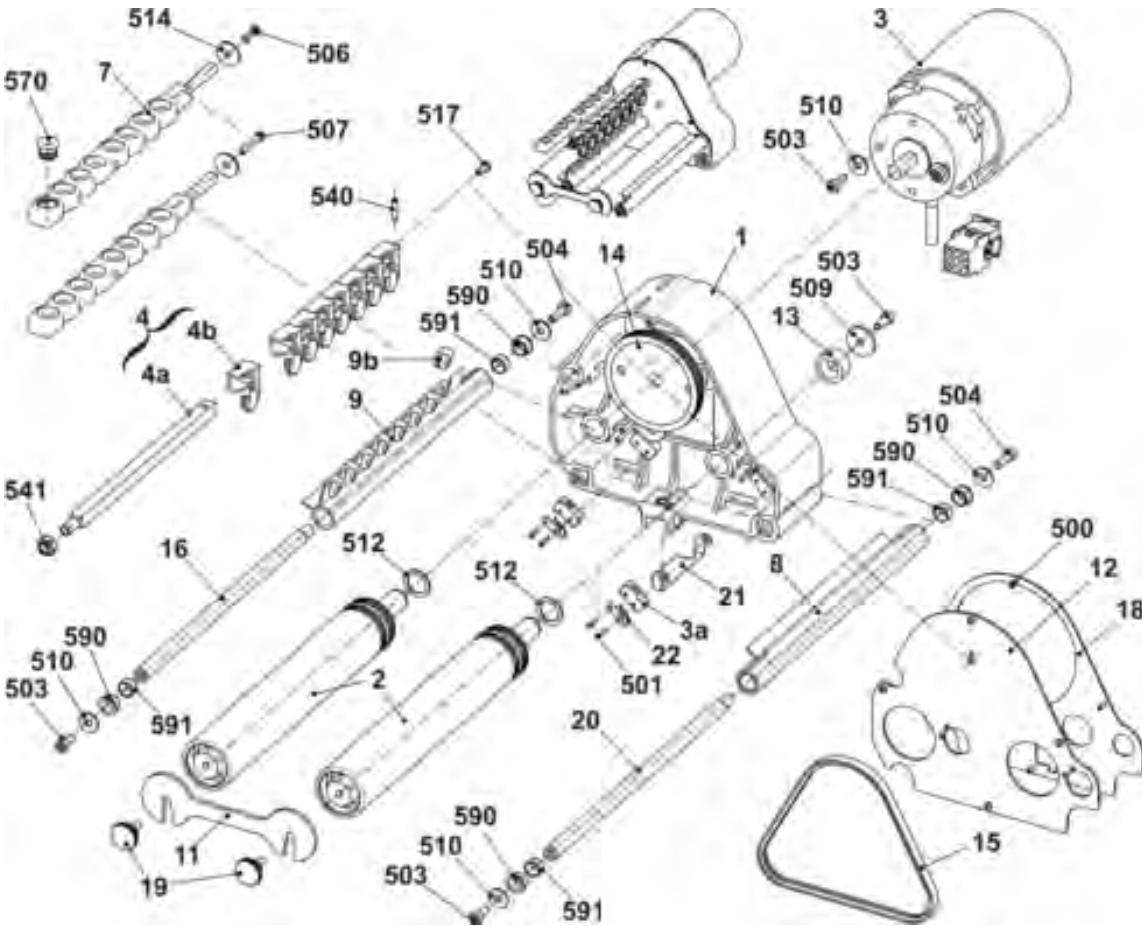
9.10 Left friction feed wheel

Pos	Designation		Id		Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571		14	V-ribbed belt pulley		221 268
1	Housing		240 368		15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704		16	Rod		221 319
3	Three-phase AC motor complete		219 800		18	Cover		230 758
	3a	Microswitch	008 664		19	Knurled screw		223 361
4	Deflector complete 8-fold		250 089		20	Rod		230 658
	4a	Support rail	250 055		21	Grounding plate		256 622
	4b	Eyelet holder complete	250 077		22	Spring plate		256 702
	540	Spring dowel sleeve 4x15	020 783		500	Screw KB30x8		236 228
	541	Hexagon nut M8-8	022 843		501	Screw 20x10		244 736
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		507	Screw KB 40x25		241 595
	9b	Eyelet	230 662		509	Washer5,3x22x2,5		023 219
	590	Slide bearing	023 627		510	Washer5		020 901
	591	Guide piece	259 453		512	Shim ring 15x21x1		023 216
11	Bracket		221 316		514	Washer4,3		020 908
12	Cover		251 098		517	Pan-head screw M4x8		023 579
13	Bush		221 391					



9.11 Right friction feed wheel

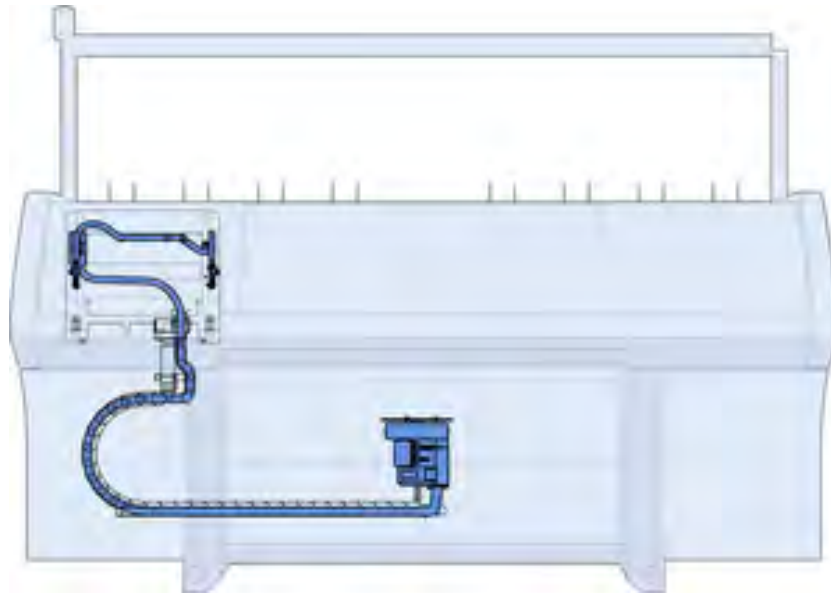
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the right complete		243 572	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch	008 664	19	Knurled screw		223 361
4	Deflector complete 8-fold		250 089	20	Rod		230 658
	4a	Support rail	250 055	21	Grounding plate		256 622
	4b	Eyelet holder complete	250 077	22	Spring plate		256 702
	540	Spring dowel sleeve 4x15	020 783	500	Screw KB30x8		236 228
	541	Hexagon nut M8-8	022 843	501	Screw 20x10		244 736
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	507	Screw KB 40x25		241 595
	9b	Eyelet	230 662	509	Washer5,3x22x2,5		023 219
	590	Slide bearing	023 627	510	Washer5		020 901
	591	Guide piece	259 453	512	Shim ring 15x21x1		023 216
11	Bracket		221 316	514	Washer4,3		020 908
12	Cover		251 098	517	Pan-head screw M4x8		023 579
13	Bush		221 391				



9.11 Right friction feed wheel

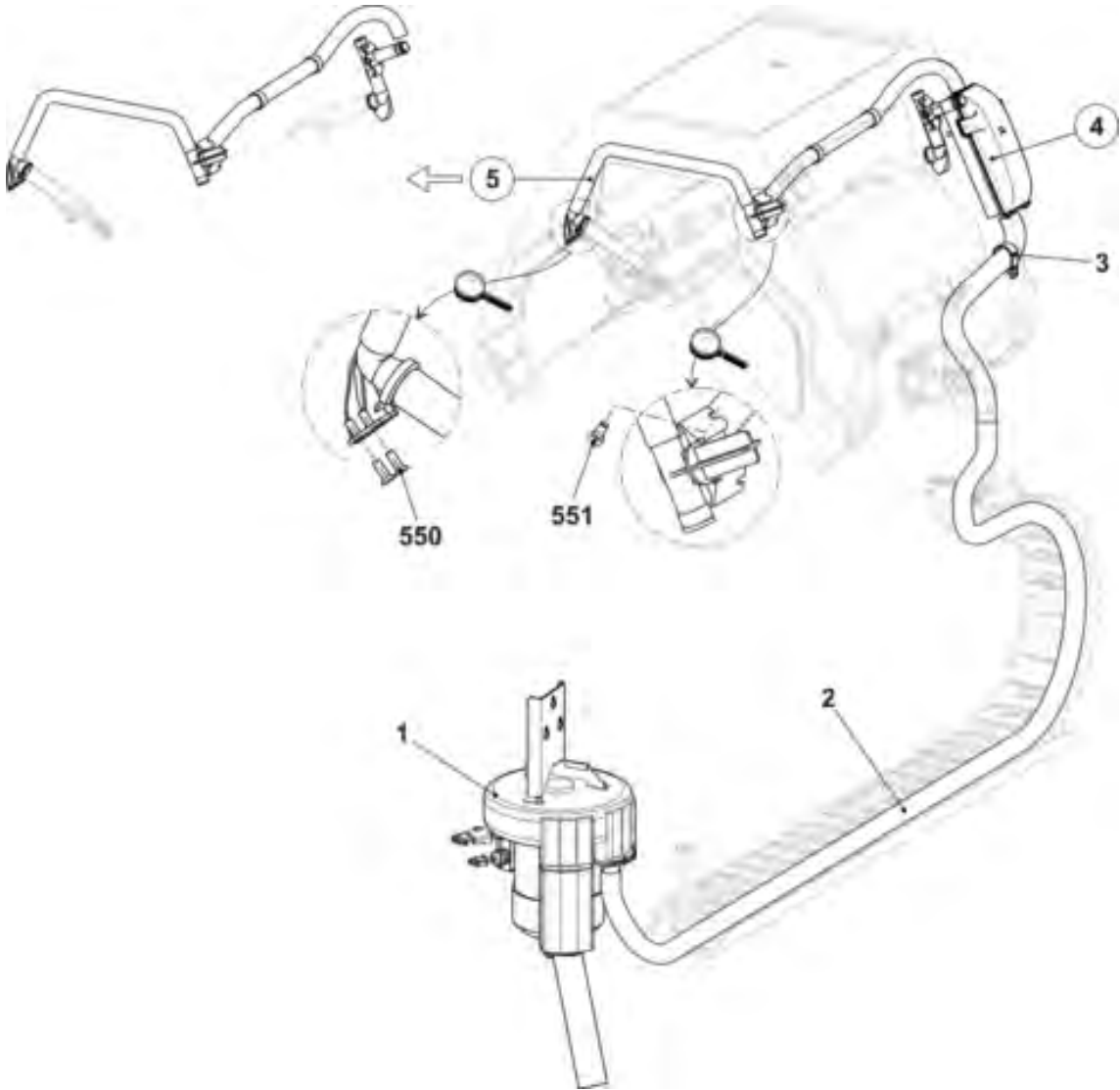
Notes:

10 Fluff absorption



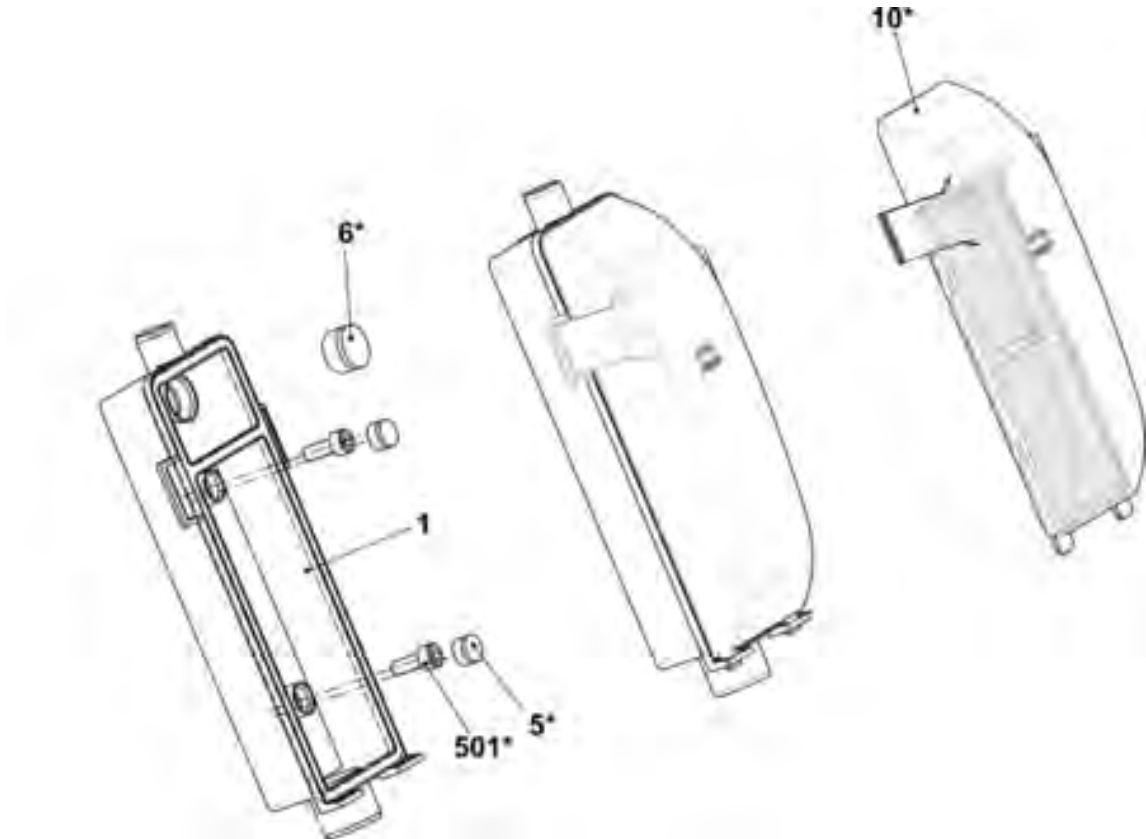
10.1 Fluff absorption

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



10.1.1 Lint container

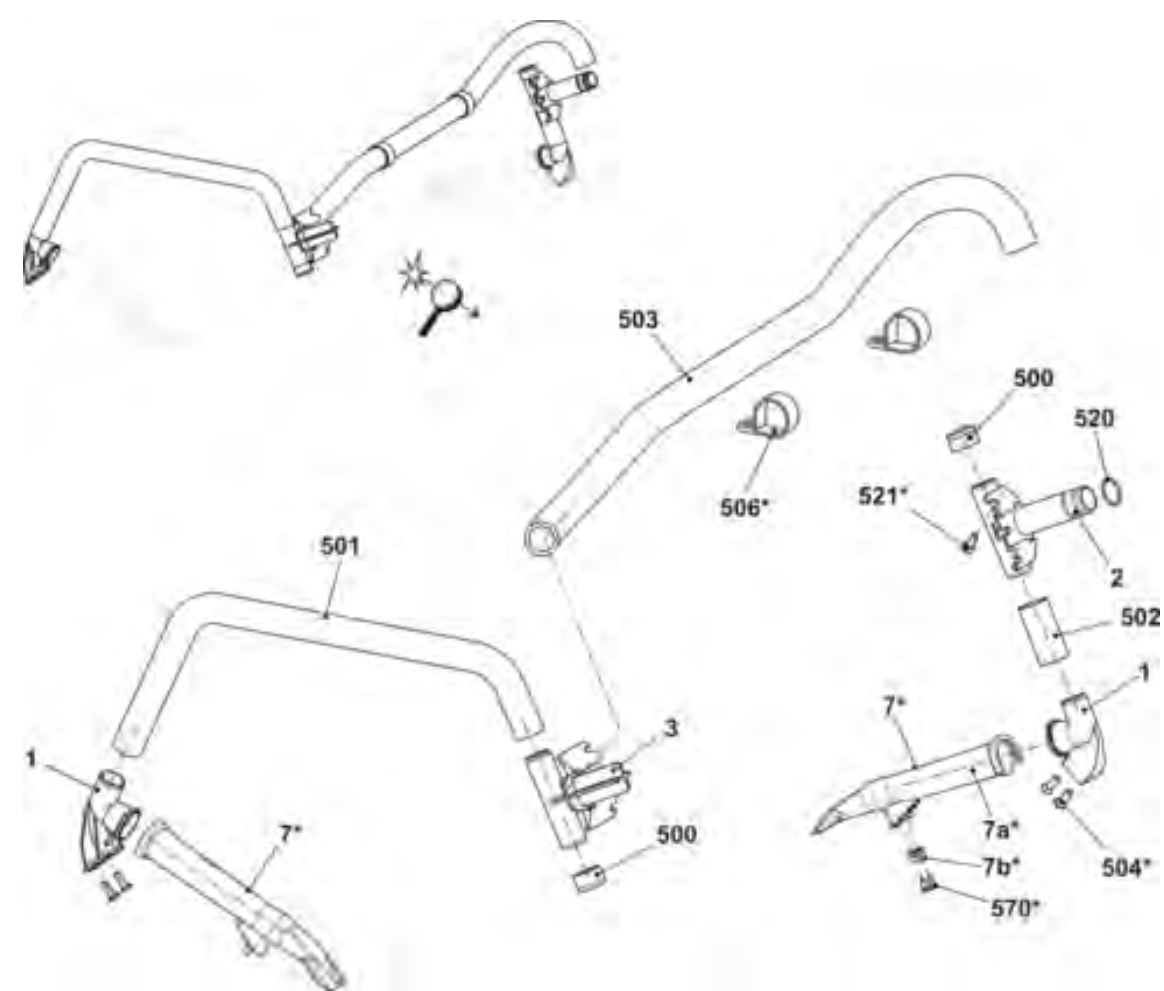
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screw M6x10	023 690



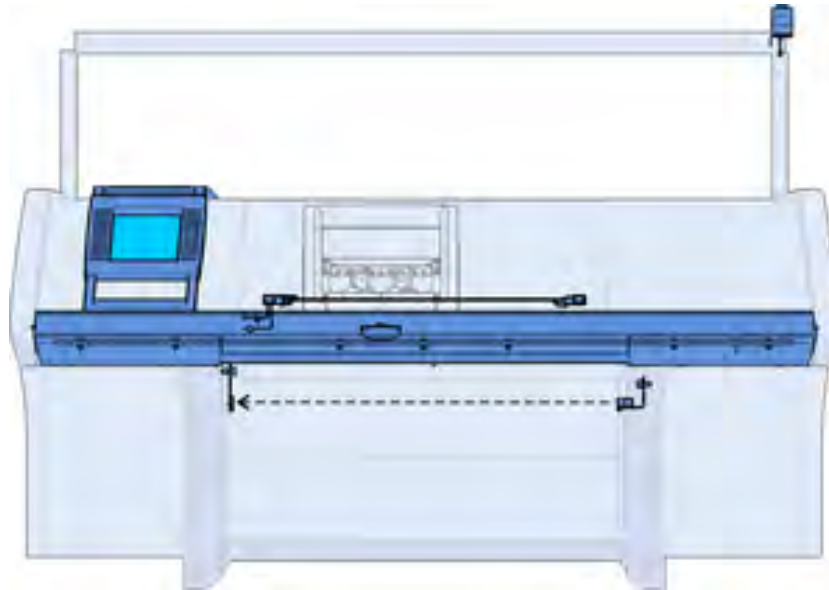
10.1 Fluff absorption

10.1.2 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



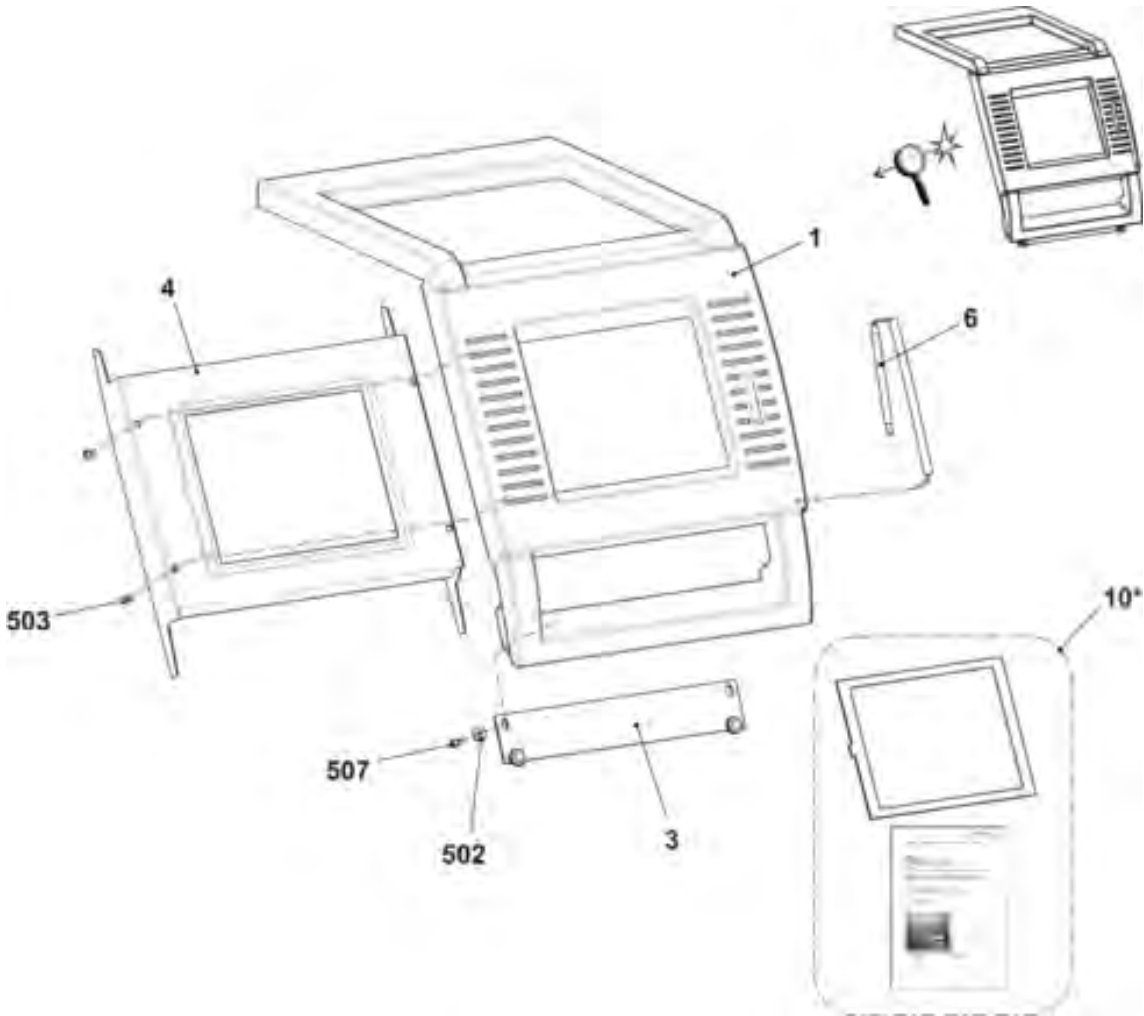
11 Operation and control



11.1 Input unit

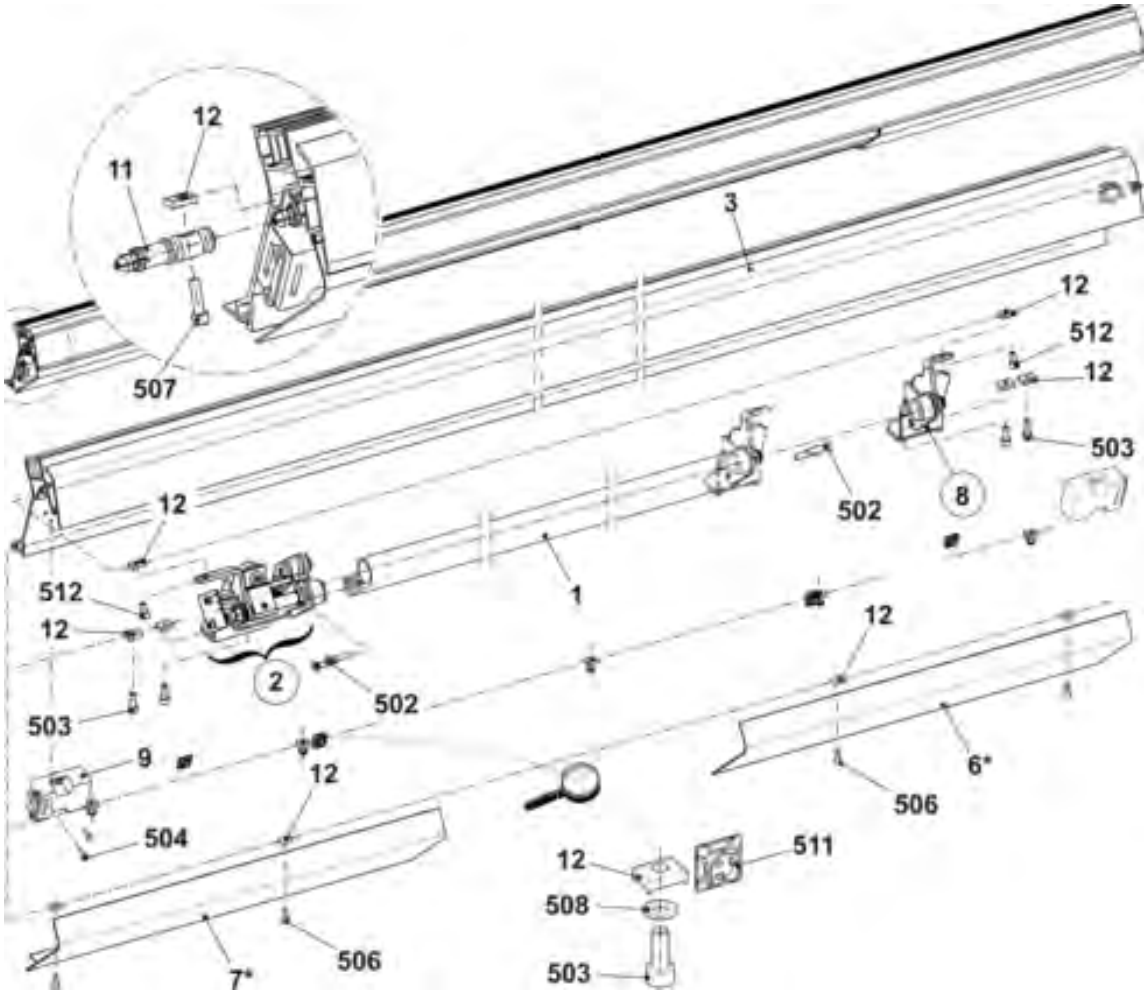
11.1 Input unit

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



11.2 Starting device

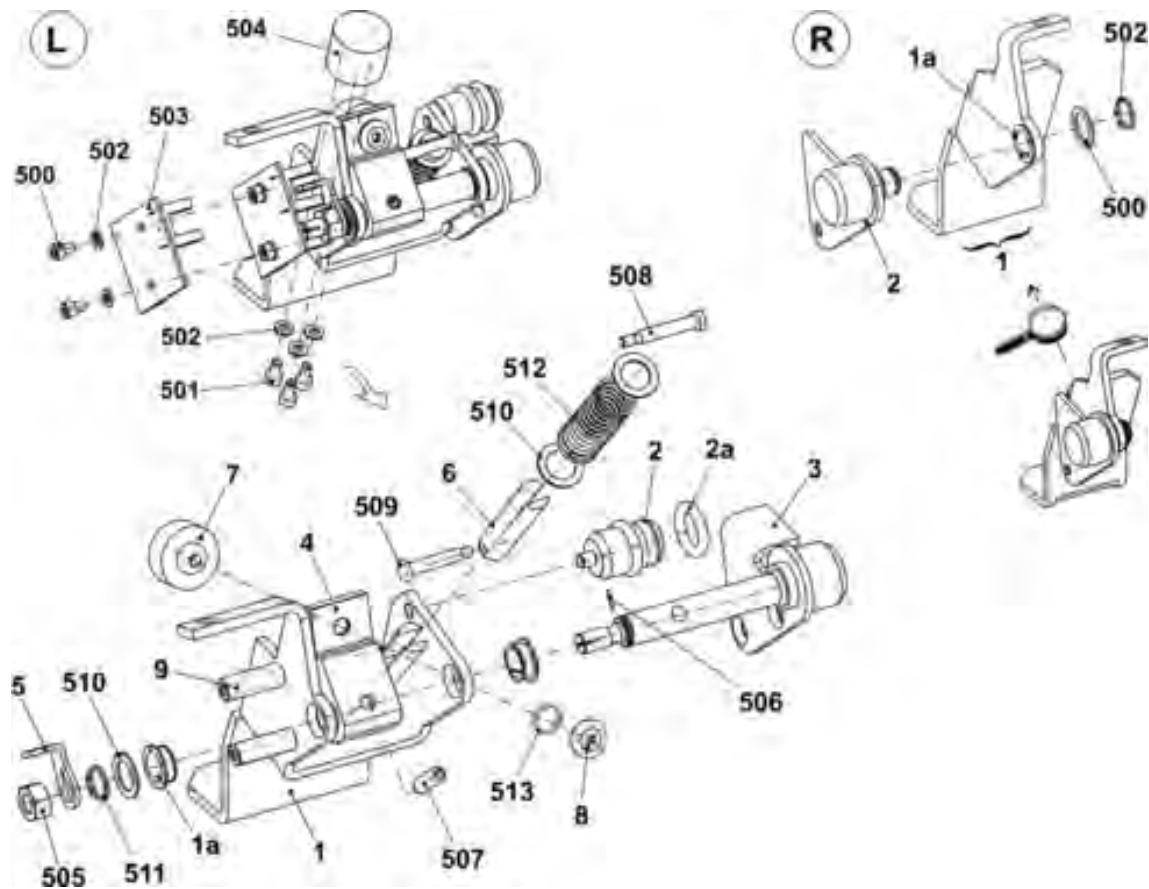
Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	240 306	12	Sliding nut (slot nut)	225 099
1	Engaging rod	240 227	502	Screw M6x25	023 510
2	Bearing on the left complete	250 071	503	Cap screwM6x16	020 135
3	Guide rail at the bottom complete	257 309	504	Pan-head screwM5x14	023 588
6*	Cover plate on the right	250 931	506	Cap screwM6x12	020 134
7*	Cover plate on the left	250 932	507	Cap screwM6x20	020 136
8	Bearing on the right complete	252 964	508	Washer	020 872
9	Switch with cable to safety doors	223 350	511	Adhesive base	243 055
11	Locating bolt	219 107	512	Cap screwM6x10	023 690



11.2 Starting device

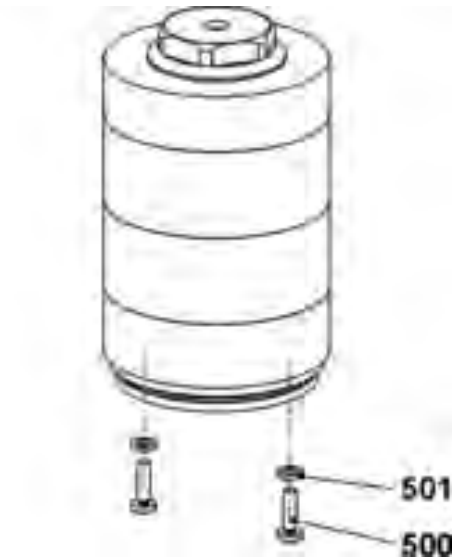
11.2.1 Bearing of the engaging rod

Pos	Designation	ID	Pos	Designation	ID
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639	506	Dowel pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1,25x15x98,2	023 609
7	Disk	245 222	513	Compression spring 0,5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screwM4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring12x1	020 951



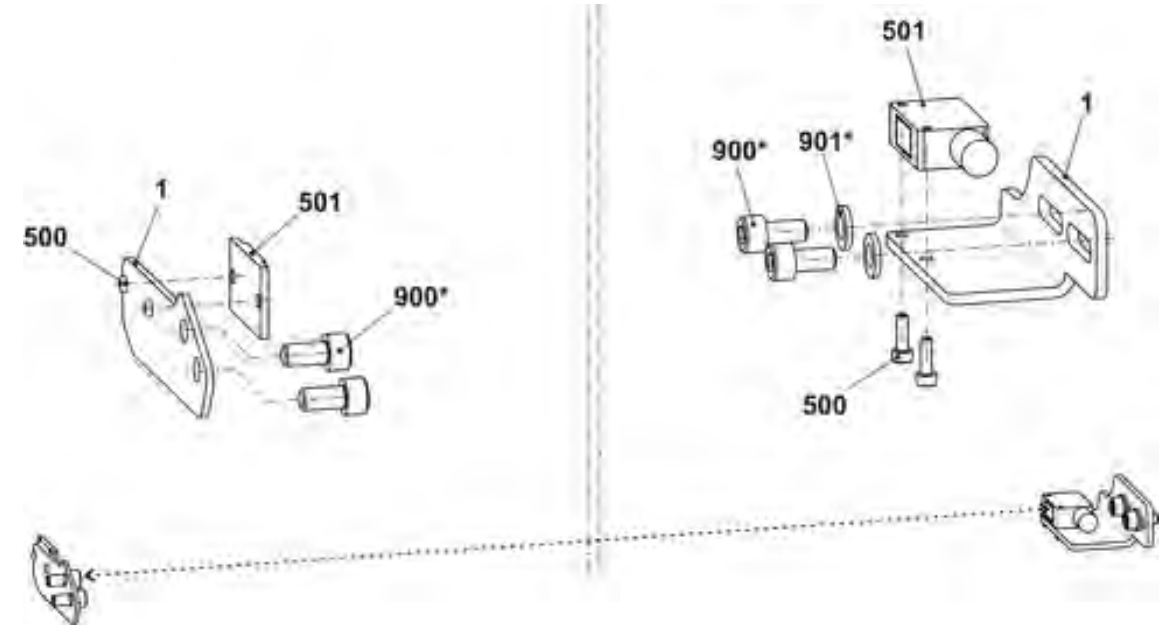
11.3 Signal light

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					



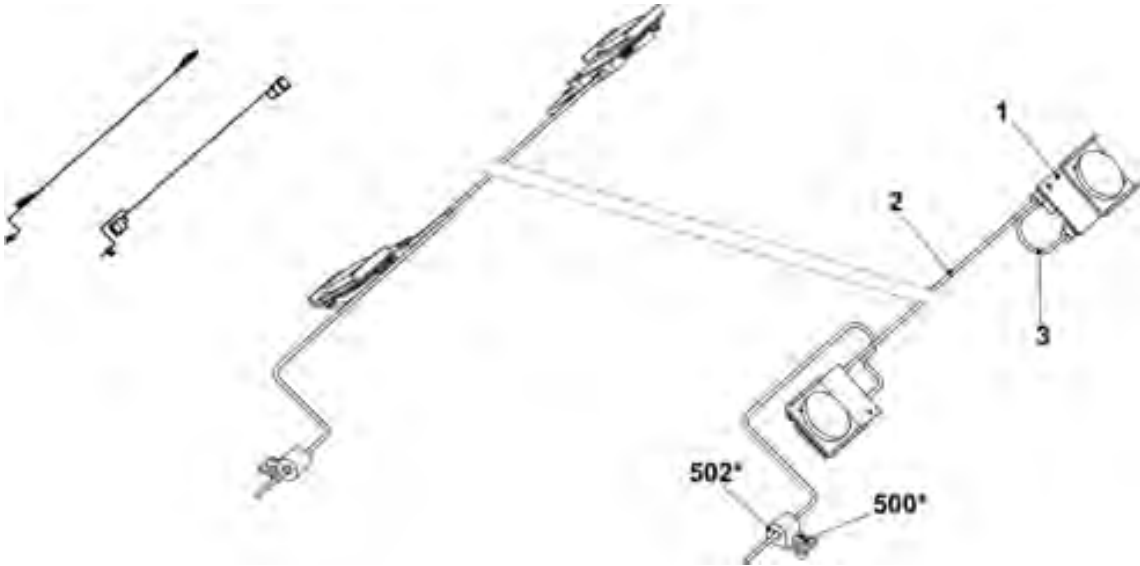
11.4 Collecting area - control

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 W100-P4330	243 355
900*	Cap screw M6x12	020 134		900*	Cap screw M6x12	020 134
				901*	Washer 6	020 872



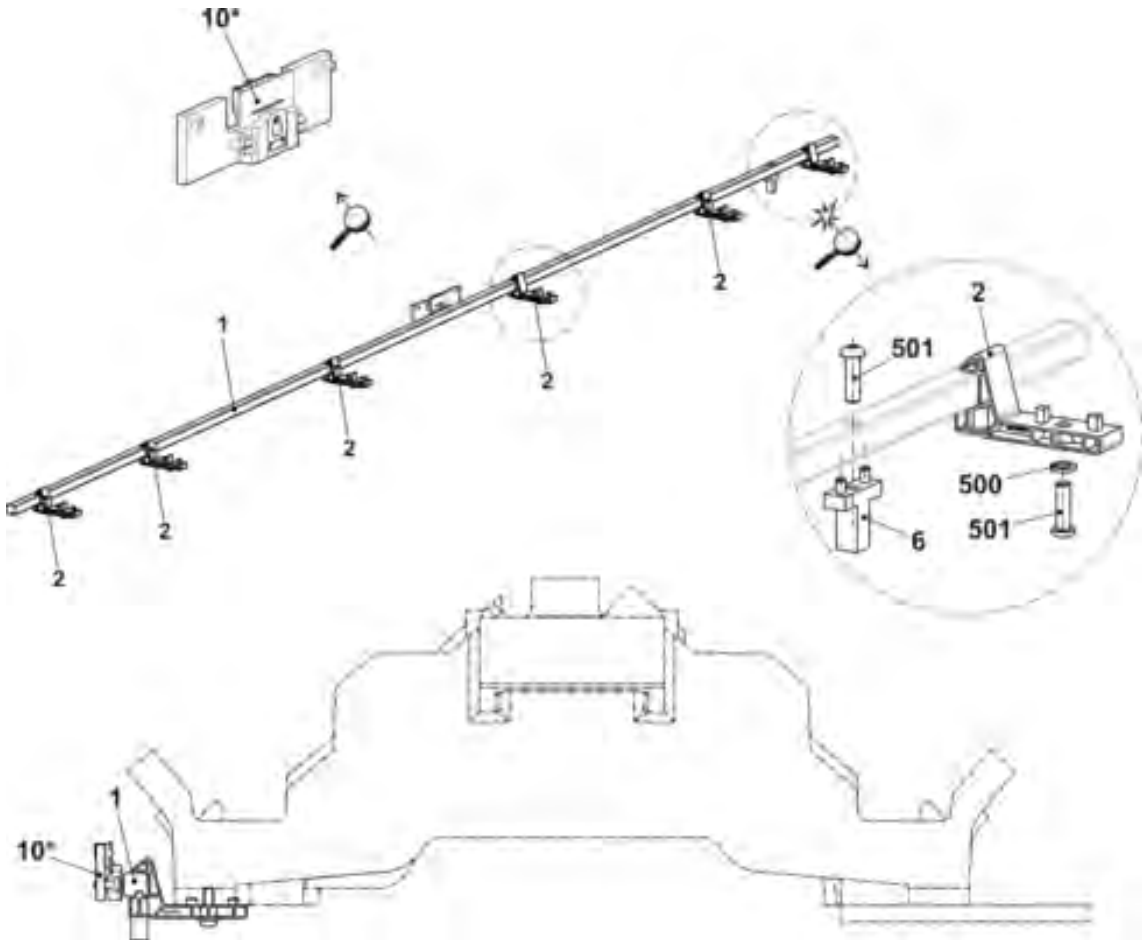
11.5 Shock stop motion

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



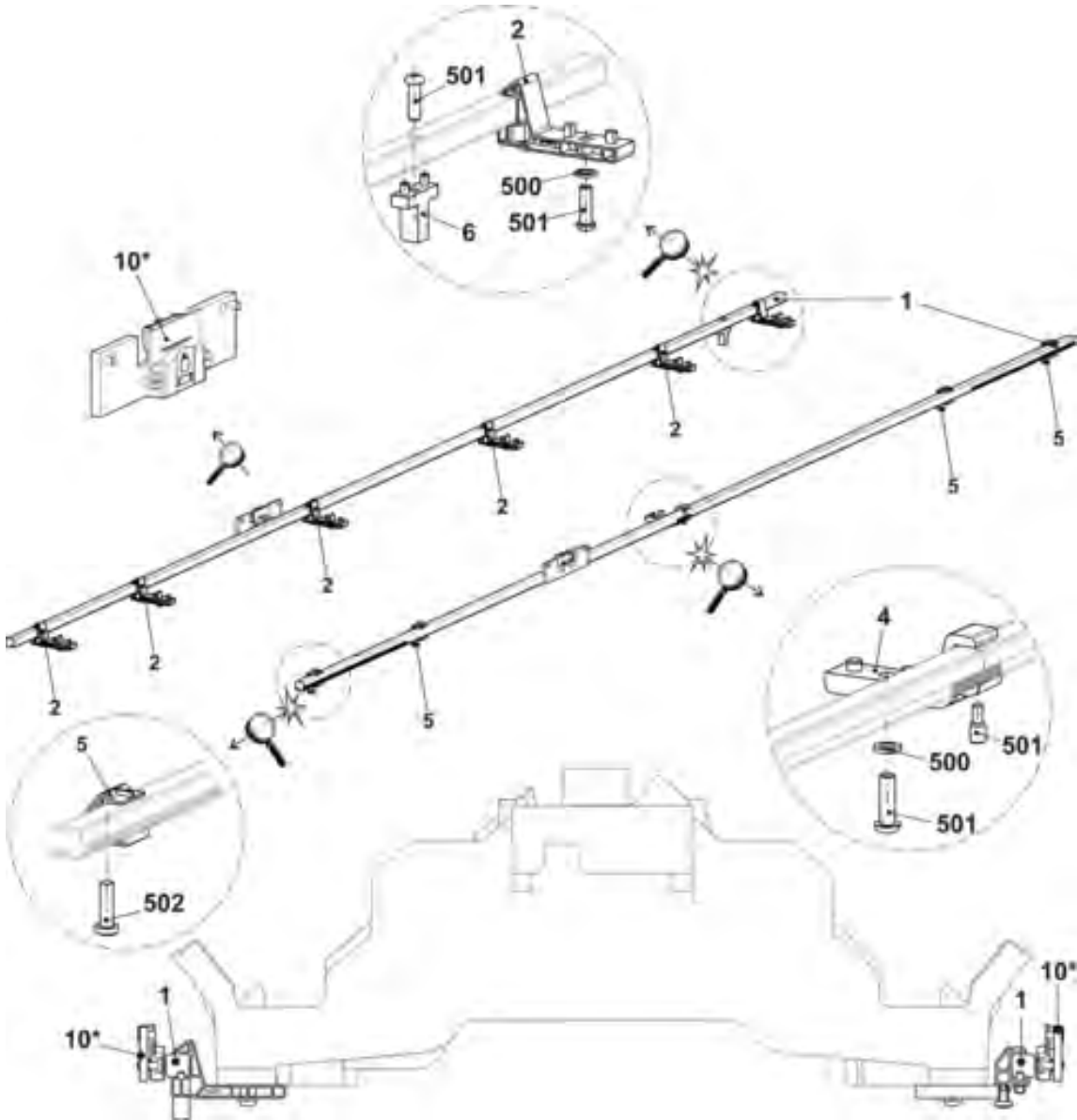
11.6 Measuring device E7 | E8

Pos	Designation	ID	Pos	Designation	ID
Σ	Measuring deviceE7 E8		10*	Spare parts package impulse sensor GLM	259 613
1	Measuring bar	258 302	500	Washer	020 881
2	Guide	251 676	501	Pan-head screw M6x20	241 603
6	Stop point	242 913	502	Setscrew	230 803



11.7 Measuring device E10|E12|E14|E7.2 mg

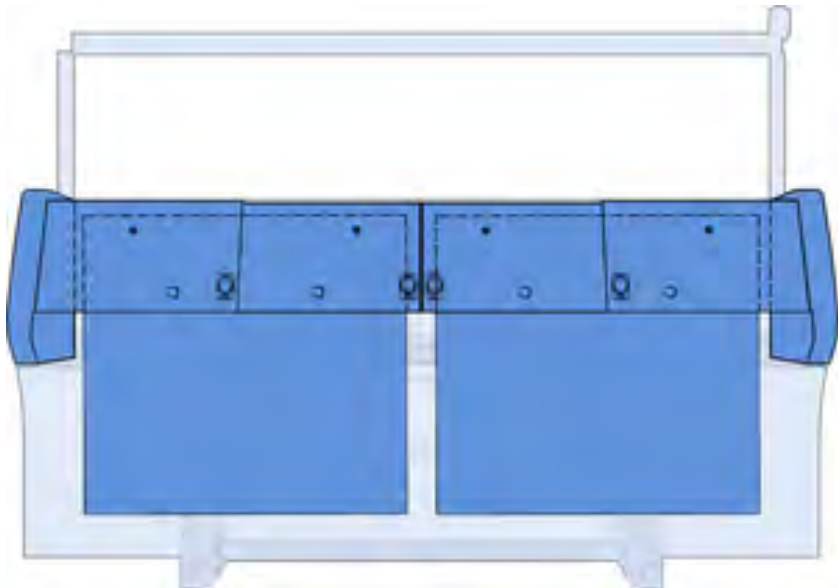
Pos	Designation	ID	Pos	Designation	ID
Σ	Measuring deviceE10 E12 E14 E7.2		6	Stop point	242 913
1	Measuring bar	258 302	10*	Spare parts package impulse sensor GLM	259 613
2	Guide	251 676	500	Washer	020 881
4	Guide	240 672	501	Pan-head screw M6x20	241 603
5	Guide outside	251 605	502	Screw 60x20	243 625



11.7 Measuring device E10|E12|E14|E7.2 mg

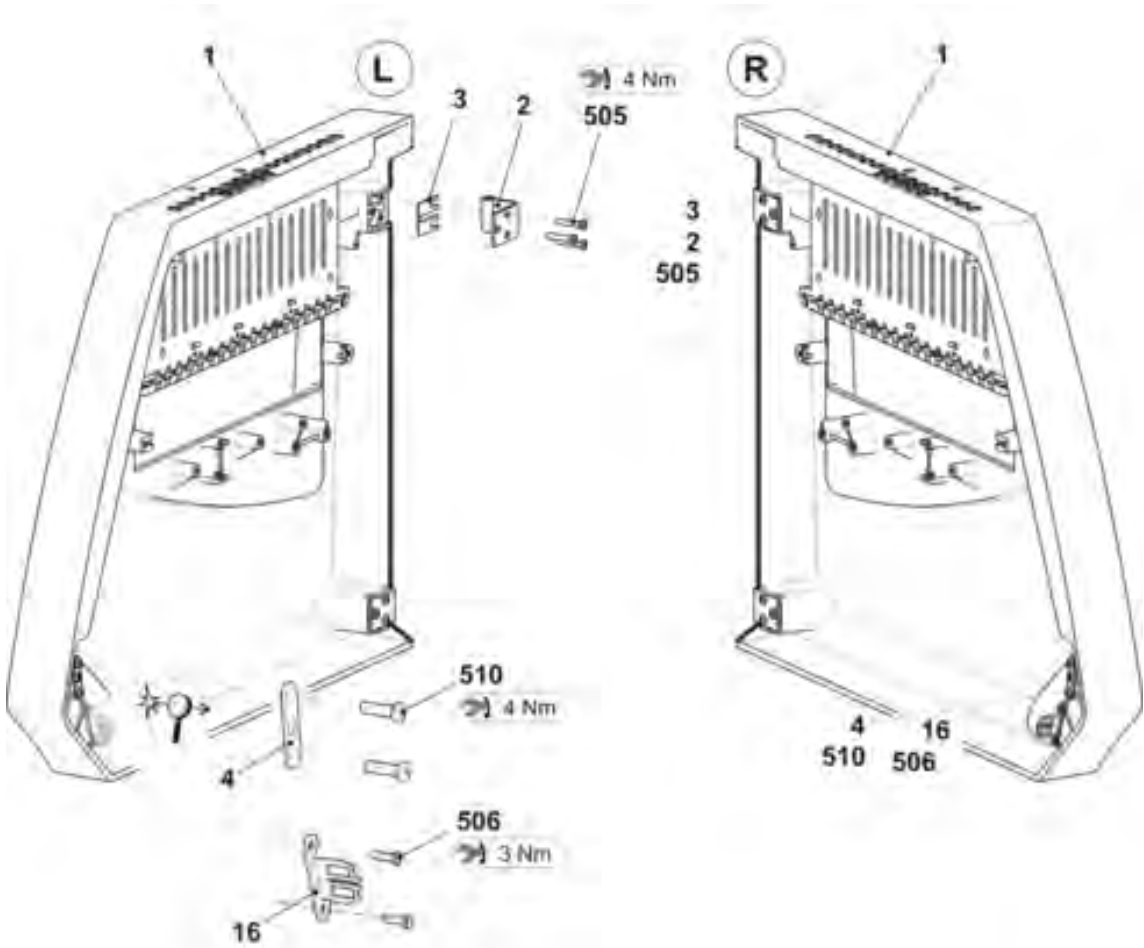
Notes:

12 Protective units



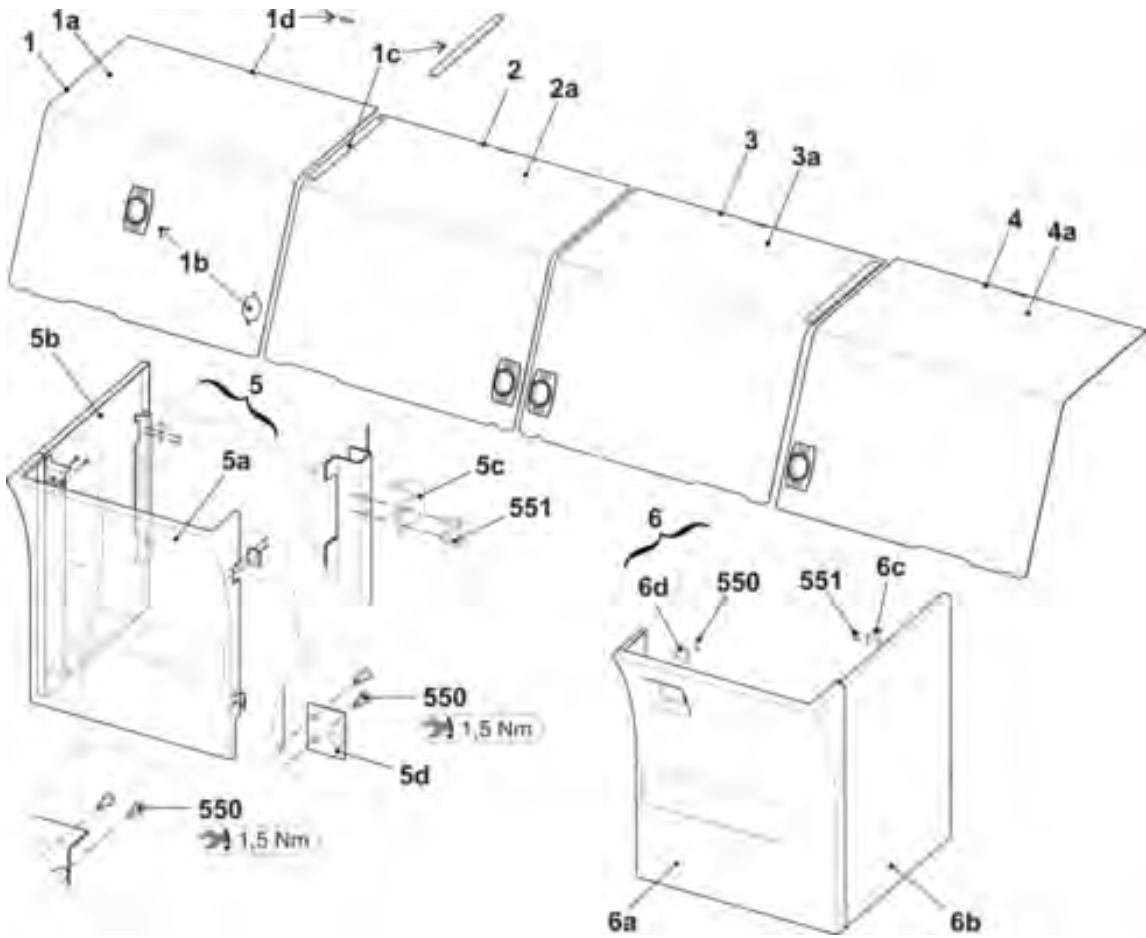
12.1 Lateral safety doors

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety door on the left			Σ	Safety door on the right	
1	Safety door on the left	250 562		1	Safety door on the right	250 563
2	Hinge	241 994		2	Hinge	241 994
3	Plate	224 717		3	Plate	224 717
4	Locking plate	219 748		4	Locking plate	219 748
16	ActuatorAZ 15/16	255 492		16	ActuatorAZ 15/16	255 492
505	Screw KB 60x30	237 683		505	Screw KB 60x30	237 683
506	Screw KB 40x14	241 358		506	Screw KB 40x14	241 358
510	Screw KB 60x20	237 682		510	Screw KB 60x20	237 682



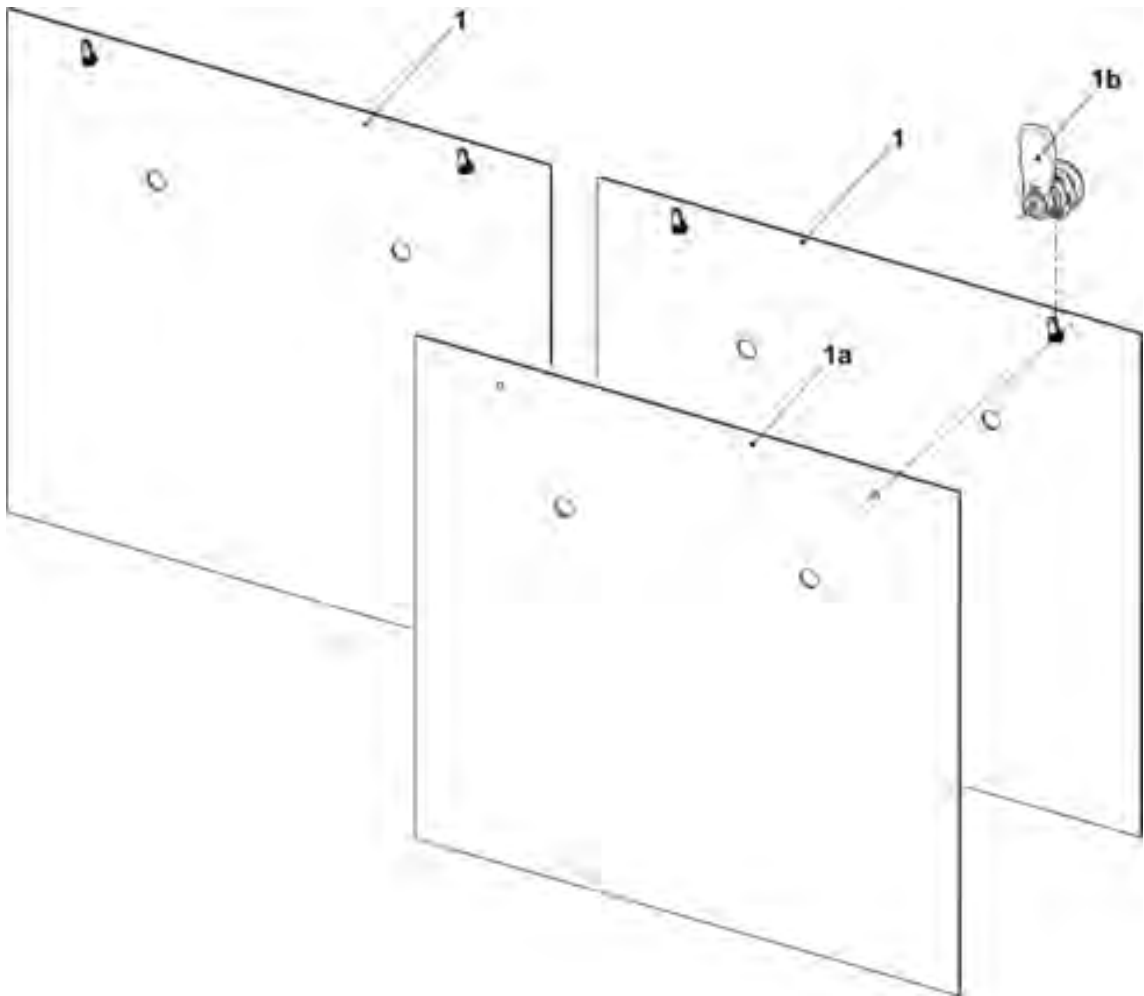
12.2 Panelling

Pos	Designation		Id	Pos	Designation		Id
1	Cover 1 completeCover completeCover completeCover complete		257 303	3	Cover 3 completeCover completeCover completeCover complete		257 305
	1a	Cover 1	257 296		3a	Cover 3	257 298
	1b	Inlet type handle	251 376		1b	Inlet type handle	251 376
	1c	Stripper	219 393		1c	Stripper	219 393
	1d	Magnet	204 666		1d	Magnet	204 666
2	Cover 2 completeCover completeCover completeCover complete		257 304	4	Cover 4 completeCover completeCover completeCover complete		257 306
	2a	Cover 2	257 297		4a	Cover 4	257 299
	1b	Inlet type handle	251 376		1b	Inlet type handle	251 376
	1c	Stripper	219 393		1c	Stripper	219 393
	1d	Magnet	204 666		1d	Magnet	204 666
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 screwM6x16	020 135		551	Cap screwM6x16	020 135

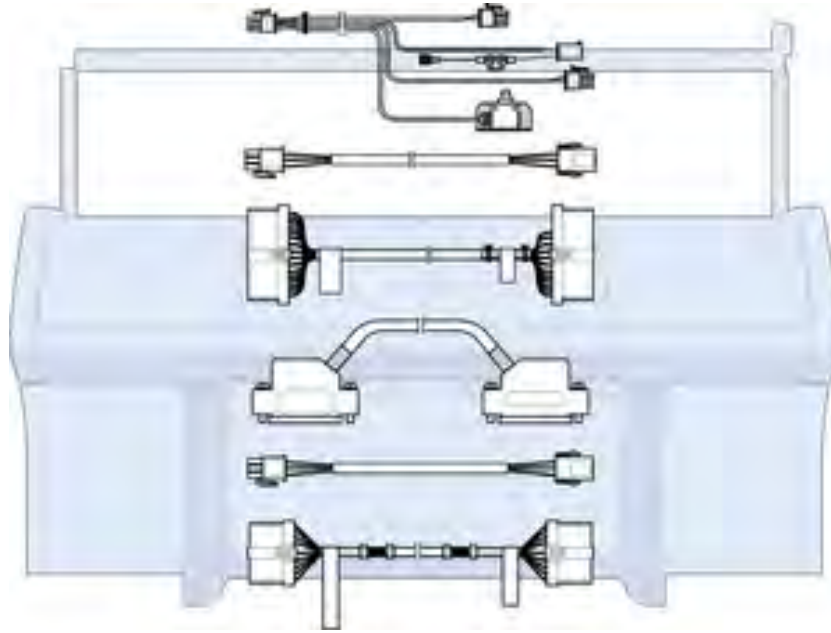


12.3 Rear panel

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



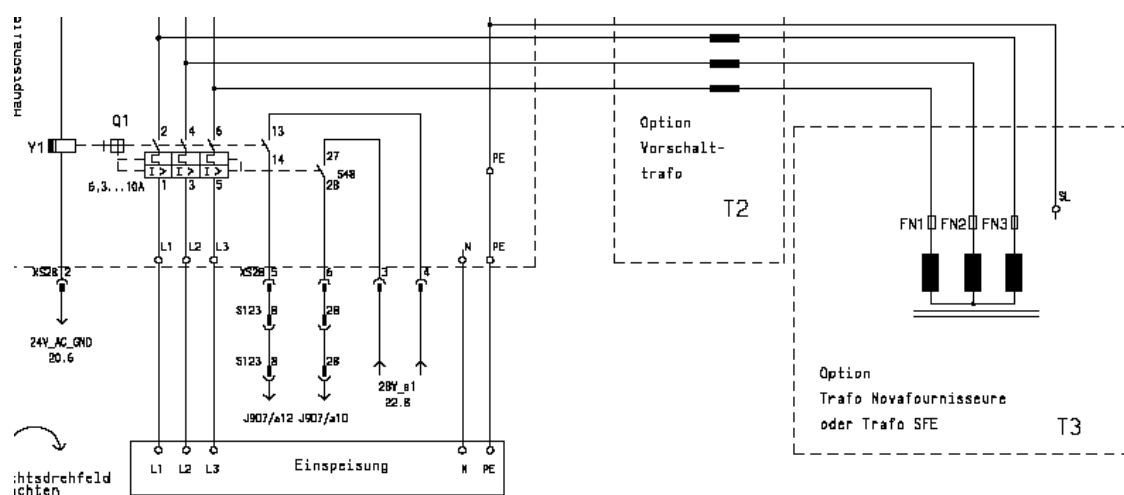
13 Electrical equipment



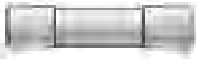
13.1 Circuit diagram (221) as PDF

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

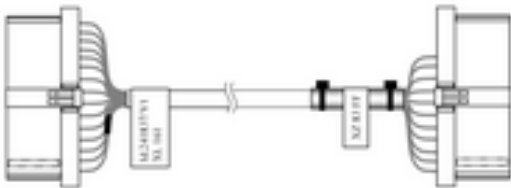
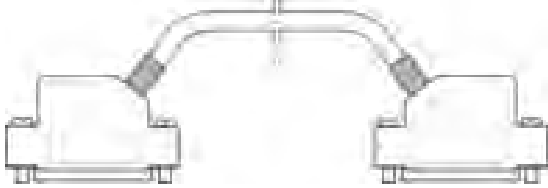
You will find the circuit diagram 221 on the CMS documentation DVD with the ID no.: 257 157



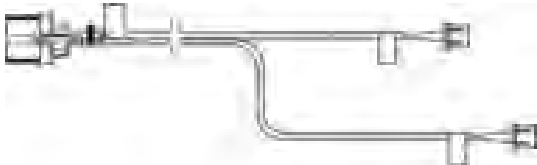
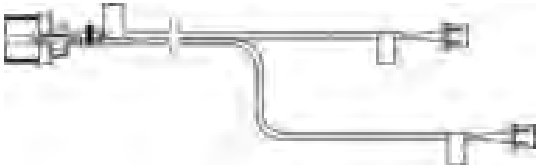
13.2 Fuses

	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

13.3 Trailing cable

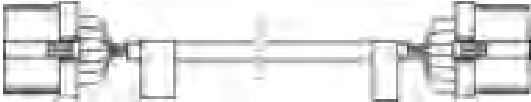
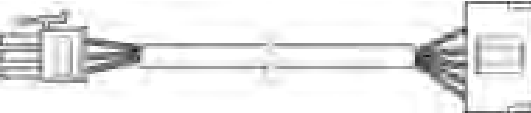
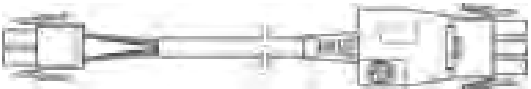
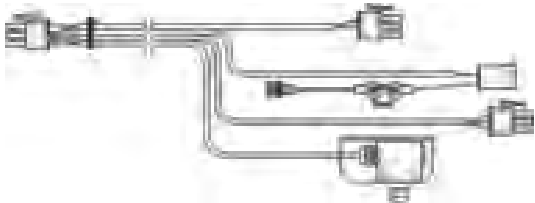
Designation	ID	Designation	ID
Cable impulse sensor 2 at the rear XL136 okc3	259 359	Cable SMrear IXL325	243 928
Cable impulse sensor 2 at the front XL137 okc3	259 360	Cable SMfront XL327	243 927
			
Cable yarn carrier XL161	241 837	Cable signal at the rear XL326	243 929
		Cable signal at the front XL328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

13.4 Cable set installation

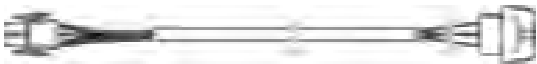
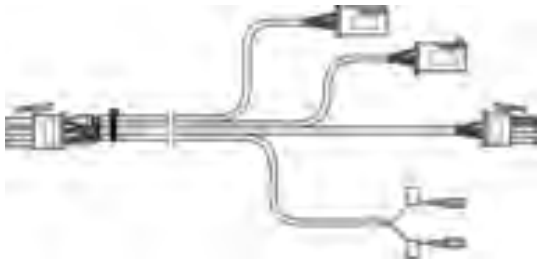
Designation		ID	Designation		ID
Σ	Cable set installation 530T okc	243 900			
1	Loom of cables base 1 okc	240 256	4	Loom of cables 50" okc	240258
2	Loom of cables base 2okc	240 257	5	Loom of cables 530T/1 okc	243 894
3	Loom of cables comb okc	240 259	6	Loom of cables 530T/2 okc	243 895
8	Cable Piezo needle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

13.4 Cable set installation

13.4.1 Loom of cables base 1 and 2

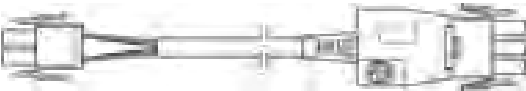
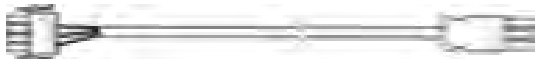
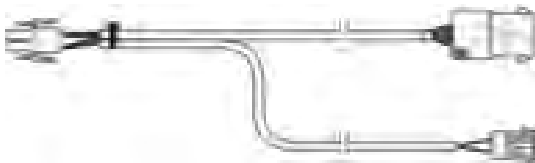
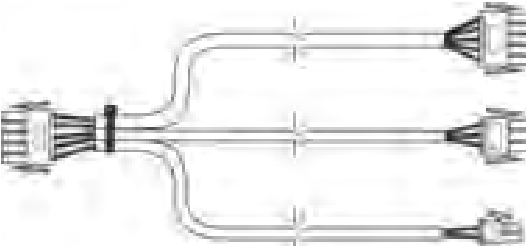
Designation		ID	Designation		ID
Σ	Loom of cables base 1 okc	240 256			
	Cable Engaging rod okc 3xx	240 289		Cable protective device on the left okc	253 442
					
	Cable supply FKE lamp okc	240 290			
					
Σ	Loom of cables base 2okc	240 257			
	Cable motor HIAB okc	240 291		Cable resolver drive okc 3xx	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			
					

13.4.2 Loom of cables comb

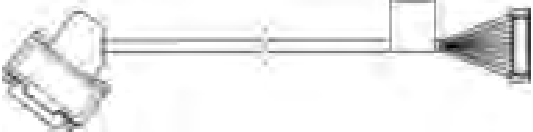
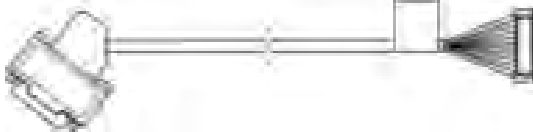
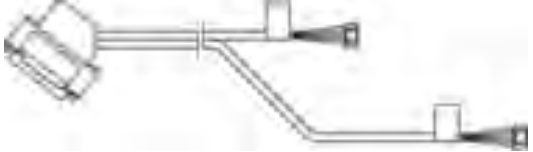
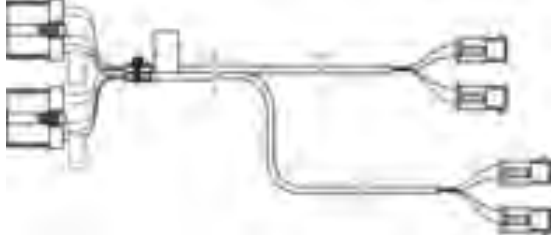
Designation		Id	Designation		Id
Σ	Loom of cables comb OKC	240 259			
	Cable motor comb hookOKC	240 308		Cable switch combOKC	240 311
					
	Cable switch KAHA OKC	240 309		Cable switch HAAB OKC	240 312
					
	Cable motor combOKC	240 310			
					

13.4 Cable set installation

13.4.3 Loom of cables

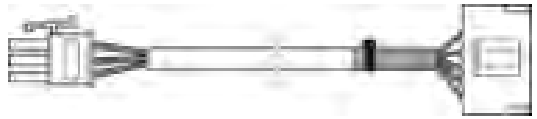
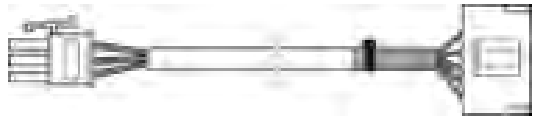
Designation	ID		Designation	ID
Loom of cables 50" okc	240 258			
Cable CAN 50" okc	240 459		Cable power supply servo 50" okc	240 502
				
Cable Electro 50" okc	238 703		Cable power supply unit of mains supply okc	240 505
				
Cable feed wheel on the left 50" okc	240 464		Cable power supply lighting	236 572
				
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
				
Cable power supply WAZ/F 50" okc	240 469			
				

13.4.4 Loom of cables 530T/1

Pos	Designation	ID		Pos	Designation	ID
Σ	Loom of cables 530/1 okc	243 894				
	Cable Clamping and cutting drive on the rightokc	243 897			Cable K/S Clamping 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
						

13.4 Cable set installation

13.4.5 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
						

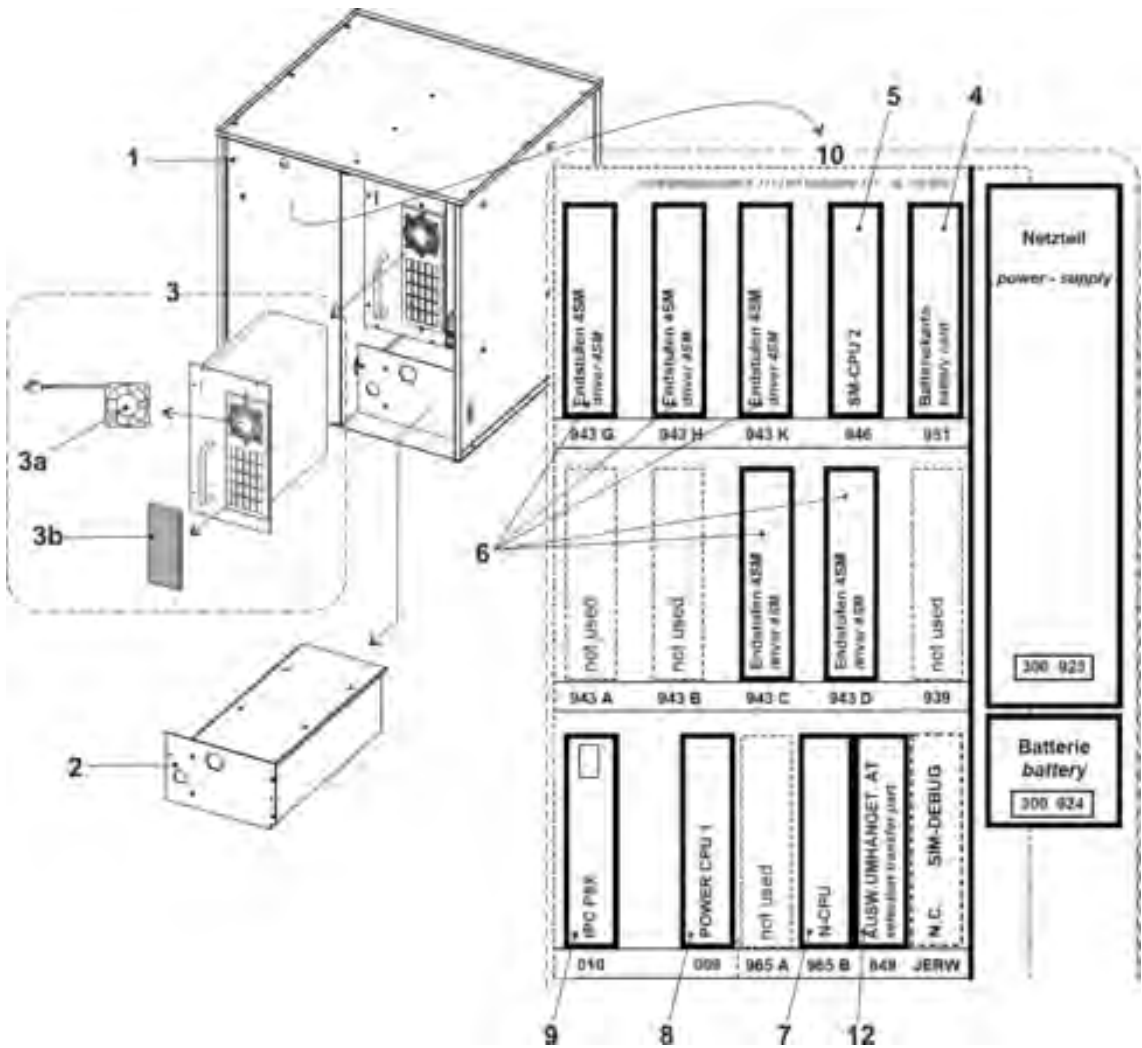
14 Control electronics



14.1 Left control cabinet

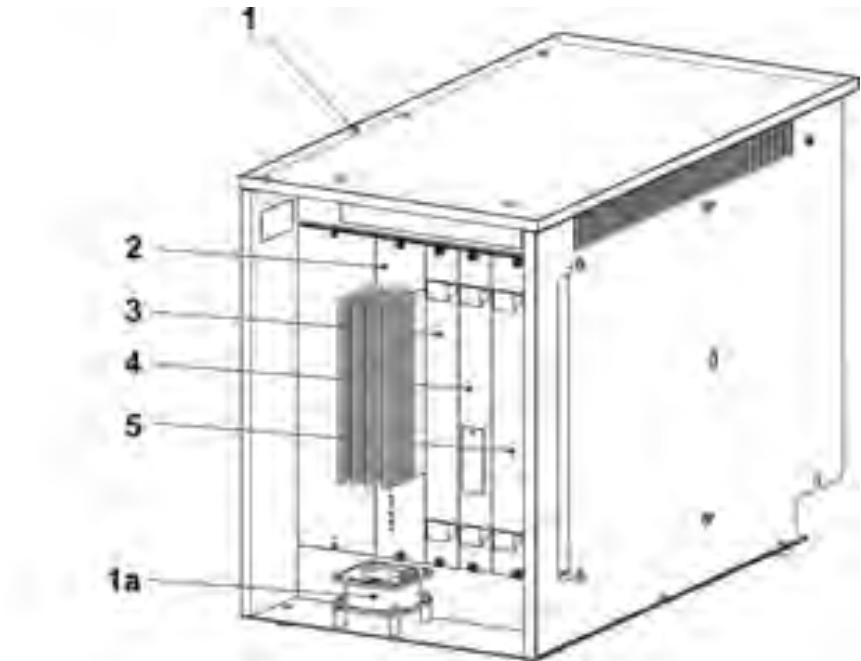
14.1 Left control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit on the left complete730T okc	255 957	5	Card SM-CPU 2	300 946
1	Control unit on the left without equipmentokc	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 P8X okc	301 010
	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



14.2 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 equipment4A 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



Notes:

15 Deliverable accessories

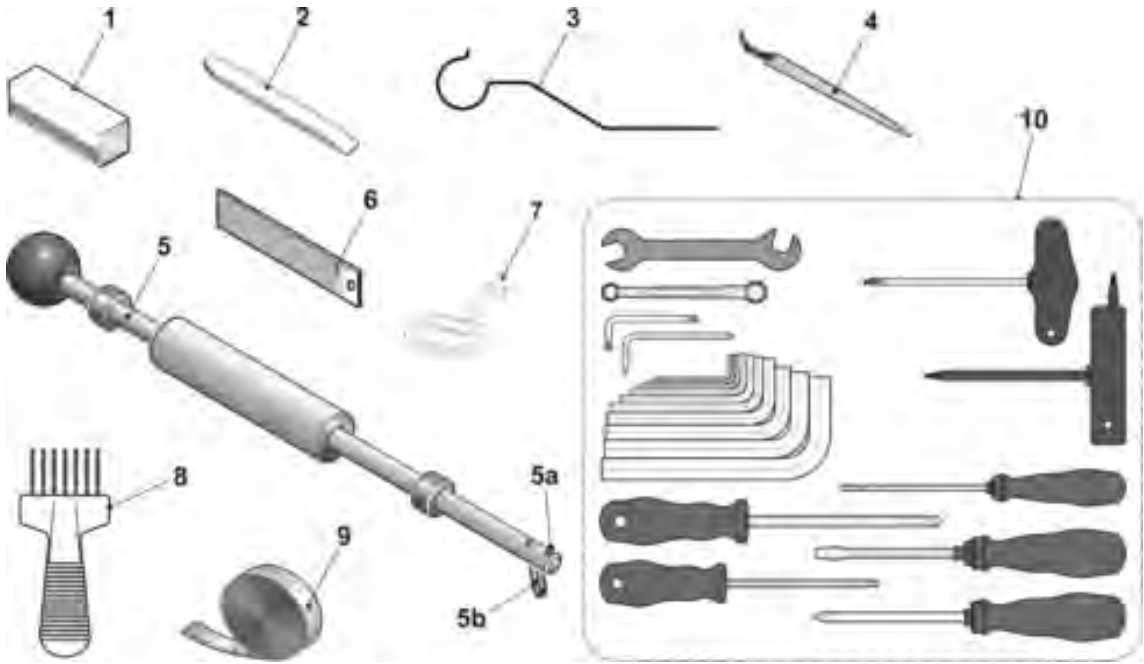


You can order the following tools, lubricants and expendables.
The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Tool

15.1 Tool

Pos	Designation	Id	Pos	Designation	Id
1	Channel support E4	062 309	6	Groove file 1,33mm E3-4	006 169
	Channel support E5, E2,5.2	062 310		Groove file 1,25mm E5-8, E3,5.2	006 170
	Channel support E7, E3,5.2	062 312		Groove file 0,90mm E10-12, E5.2 6.2	006 175
	Channel support E8	062 313		Groove file 0,73mm E14, E7.2	006 173
	Channel support E10, E5.2	062 314		Groove file 0,45mm E16-18, E9.2	006 179
	Channel support E12, E6.2	062 315	7	Key of switch cabinet	009 346
	Channel support E14, E7.2	218 069	8	Groove cleaner E4	031 232
	Channel support E16, E8.2	230 188		Groove cleaner E5	031 233
	Channel support E18, E9.2	230 189		Groove cleaner E6	031 234
	Channel support E20	230 190		Groove cleaner E7, E3,5.2	031 235
2	Channel chisel E14-20 (E5-14)	062 316		Groove cleaner E8	031 236
	Channel chisel E4-8 (E3,5.2)	062 317		Groove cleaner E10 (E5.2)	031 238
	Channel chisel E10-14	062 318		Groove cleaner E12 (E6.2)	031 240
3	Yarn guide on the left	227 071		Groove cleaner E14 (E7.2)	031 242
	Yarn guide on the right	227 070		Groove cleaner E16	225 111
4	Working hook	227 249		Groove cleaner E18 (E9.2)	225 112
5	Extraction hook	232 027		Groove cleaner E20	225 113
	5a Small pin	202 843	9	Measuring tape L=150cm	228 180
	5b Pencil	232 022	10	Tool kit	209 527



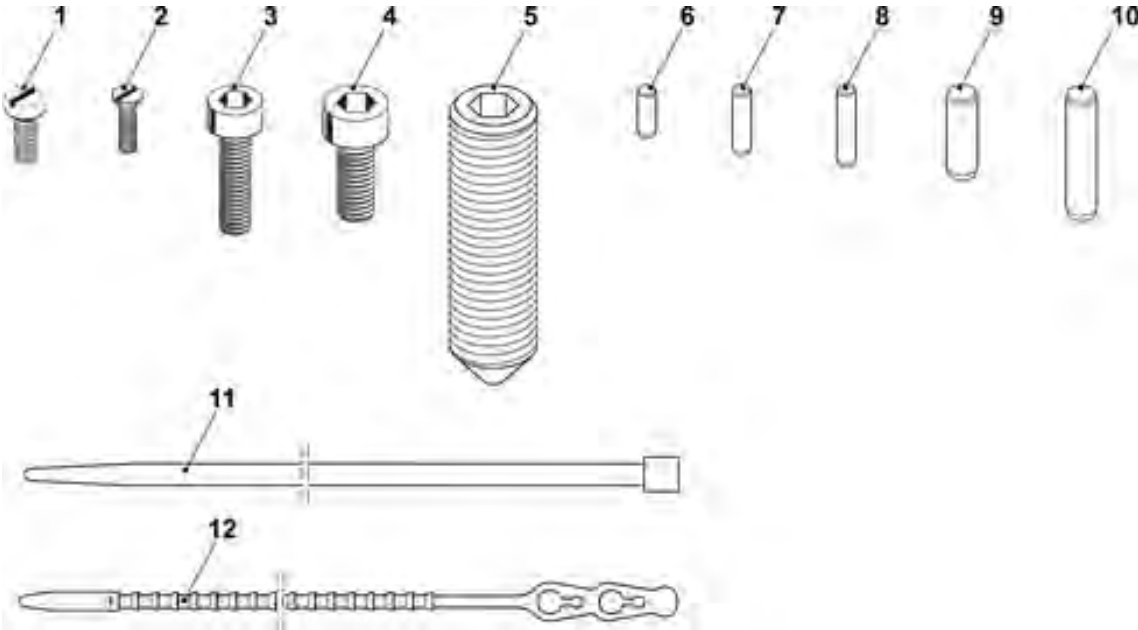
15.2 Lubricating stuff

Pos	Designation	Id		Pos	Designation	Id
1	Textile machines oil T46, 1l	230 614		4	Oil combifix no. 8/10 Gr. 10	216 732
3	Grease OKS 475, 150g	005 351		5	White grease paste OKS270	229 372

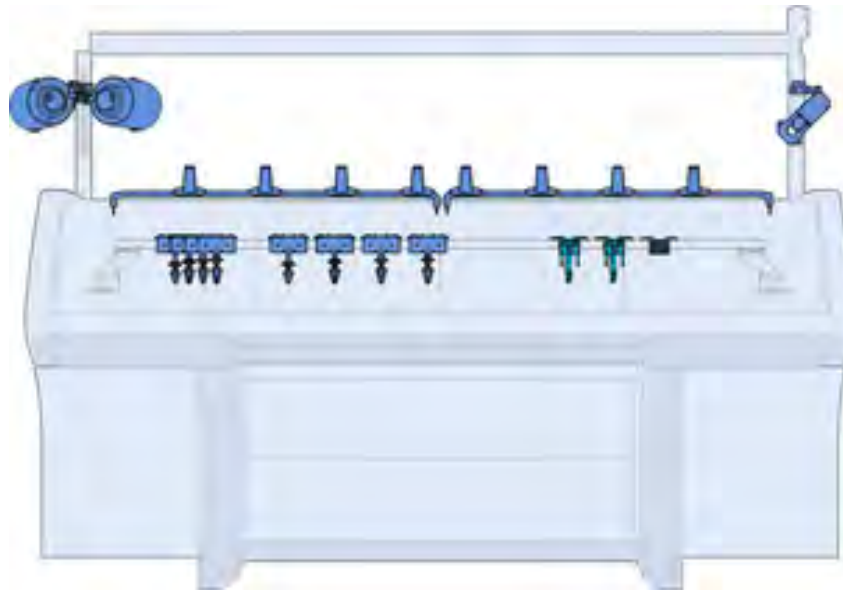


15.3 Mechanical parts

Pos	Designation	Id		Pos	Designation	Id
1	Cap screw M4x8	020 091		11	Cut cable 203x3,6mm	025 815
2	Countersunk screw M3x6	020 286			Cut cable T50L	026 294
3	Cap screw M5x16	022 726			Cut cable 140x3,6mm	008 379
4	Cap screw M6x14	022 658			Cut cable 302x4,8mm	008 642
5	Setscrew M16x50	023 235			Cut cable 92x2,4mm	008 378
6	Dowel pin 3x7	020 643		12	Reusable tie ABV 232 320mm	026 557
7	Dowel pin 3x10	020 645				
8	Dowel pin 3x12	020 647				
9	Dowel pin 5x12	021 988				
10	Dowel pin 5x18	022 622				



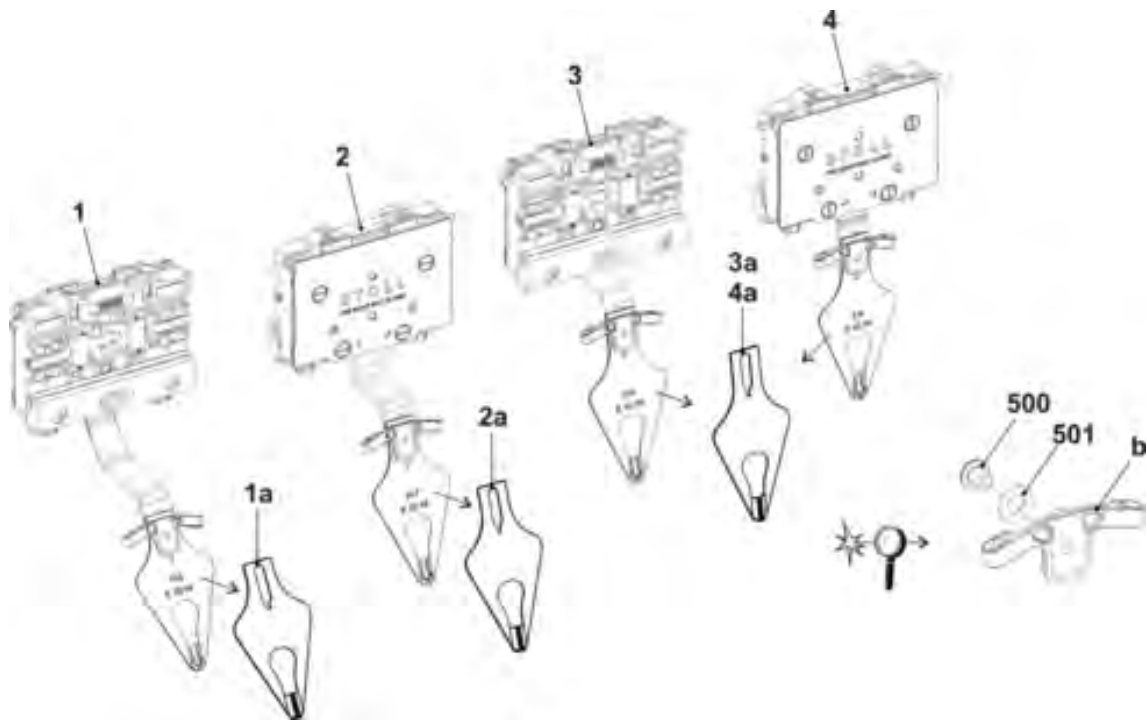
16 Special attachments



16.1 Intarsia yarn carrier type 2, Overview

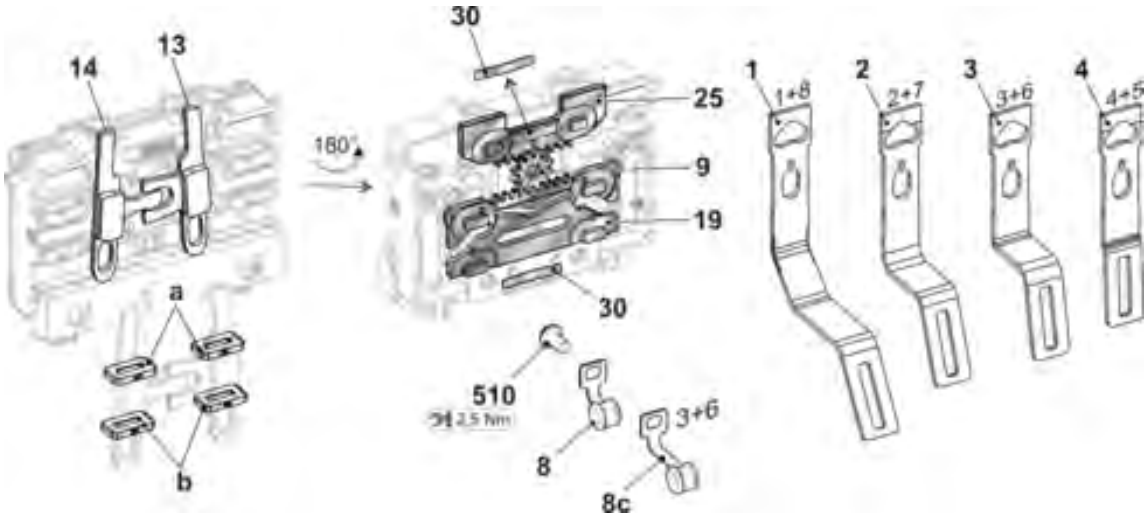
16.1 Intarsia yarn carrier type 2, Overview

Pos	Designation	Id		Pos	Designation	Id
1	IFF carriage complete1+8 E5	259 732		1a	YC head 1+8 completeE5	244 076
	IFF carriage complete1+8 E7-8	259 736			YC head 1+8 completeE7-8	244 082
	IFF carriage complete1+8 E10-14	259 740			YC head 1+8 completeE10-14	260 612
	IFF carriage complete1+8 E16-18	259 744			YC head 1+8 completeE16-18	261 516
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
	IFF carriage complete 2+7 E16-18	259 745			YC head 2+7 complete E16-18	261 517
3	IFF carriage complete 3+6 E5	259 734		3a 4a	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
	IFF carriage complete 3+6 E16-18	259 746			YC head 3-6 complete E16-18	261 518
4	IFF carriage 4+5 complete E5	259 735		500	Pan head screw M4x5	239 549
	IFF carriage 4+5 complete E7-8	259 739		501	Washer	020 870
	IFF carriage 4+5 complete E10-14	259 743		b	Yarn guide angle	242 863
	IFF carriage 4+5 complete E16-18	259 747				



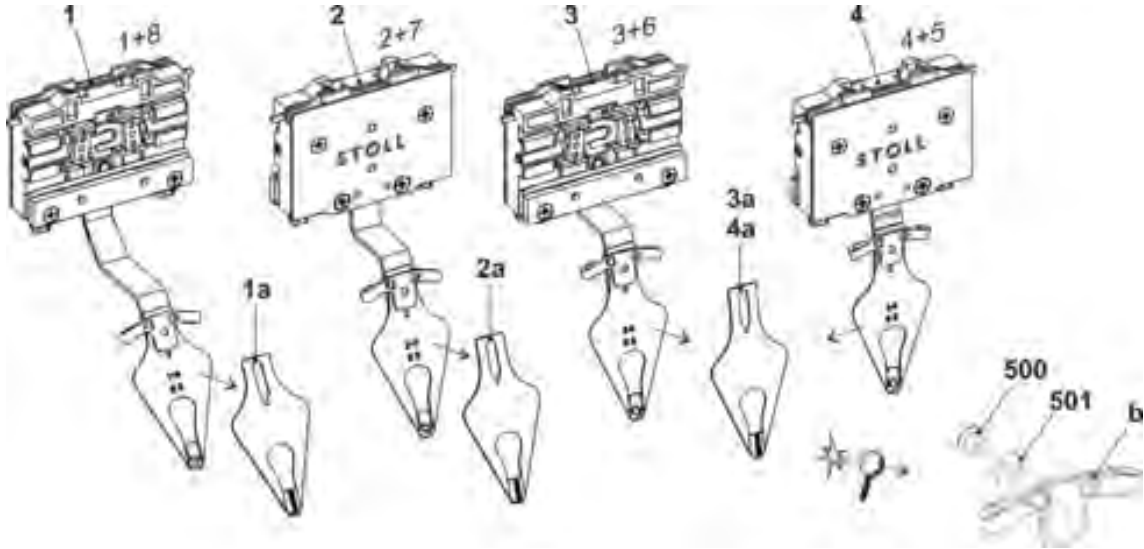
16.1.1 Continuation Intarsia yarn carrier type 2

Pos	Designation	Id		Pos	Designation	Id
Σ	IFF carriage 1+8	259 728		1	FF bow 1+8	259 719
	IFF carriage 2+7	259 729		2	FF bow 2+7	259 720
	IFF carriage 3+6	259 730		3	FF bow 3+6	259 721
	IFF carriage 4+5	259 731		4	FF bow 4+5	259 722
8	Eyelet holder complete	260 702		a	Pressure plate 2,02 H	262 433
8c	Eyelet holder complete	260 700			Pressure plate 2,04 H	262 434
9	Gear wheel	244 031		b	Pressure plate 2,02 H	262 572
13	Clamping lever on the rightH3	262 019			Pressure plate 2,04 H	262 573
14	Clamping lever on the leftH3	262 018			Pressure plate 2,06 H	262 574
19	Slider at the bottom	259 653			Pressure plate 2,08 H	262 576
25	Slider	260 548		510	Pan head screw M4x8	023 579
30	Leaf spring	260 527				



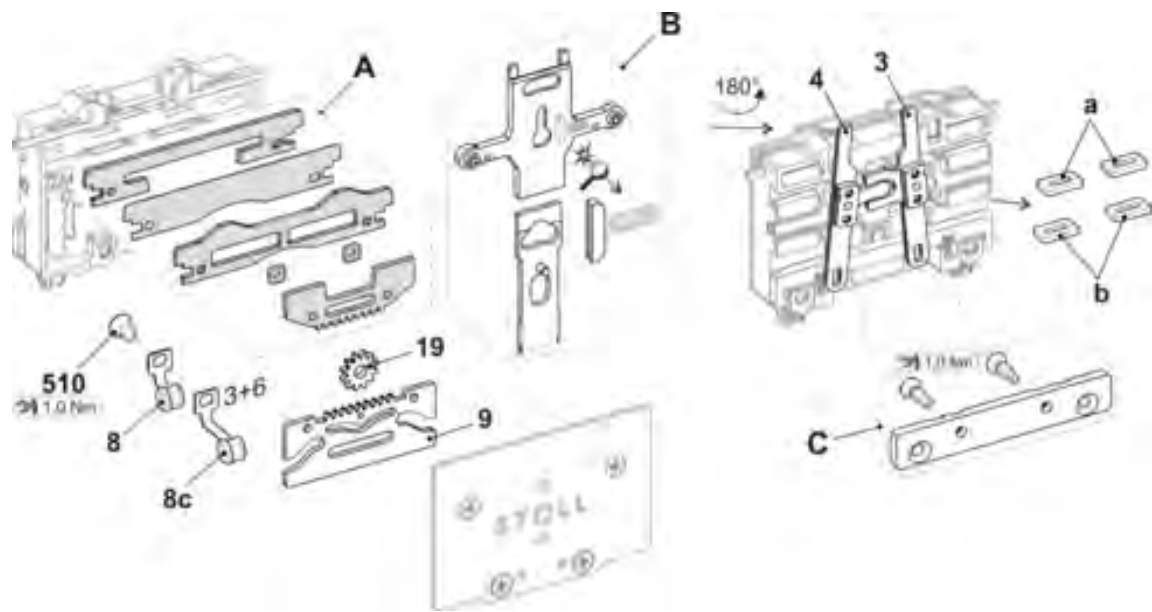
16.2 Intarsia yarn carrier type 2, Overview(Scope of delivery until 09/2011)

Pos	Designation	Id		Pos	Designation	Id
1	IFF carriage complete1+8 E5	250 319		1a	YC head 1+8 completeE5	244 076
	IFF carriage complete1+8 E7-8	250 323			YC head 1+8 completeE7-8	244 082
	IFF carriage complete1+8 E10-14	250 327			YC head 1+8 completeE10-14	260 612
	IFF carriage complete1+8 E16-18	250 331			YC head 1+8 completeE16-18	261 516
2	IFF carriage complete 2+7 E5	250 320		2a	YC head 2+7 complete E7-8	244 083
	IFF carriage complete 2+7 E7-8	250 324			YC head 2+7 complete E10-14	260 614
	IFF carriage complete 2+7 E10-14	250 328			YC head 2+7 complete E16-18	261 517
	IFF carriage complete 2+7 E16-18	250 332			YC head 2+7 complete E5	244 077
3	IFF carriage complete 3+6 E5	250 321		3a	YC head 3-6 complete E5	244 078
	IFF carriage complete 3+6 E7-8	250 325		4a	YC head 3-6 complete E7-8	244 084
	IFF carriage complete 3+6 E10-14	250 329			YC head 3-6 complete E10-14	260 610
	IFF carriage complete 3+6 E16-18	250 333			YC head 3-6 complete E16-18	261 518
4	IFF carriage 4+5 complete E5	250 322		b	Yarn guide angle	242 863
	IFF carriage 4+5 complete E7-8	250 326		500	Pan head screw M4x5	239 549
	IFF carriage 4+5 complete E10-14	250 330		501	Washer	020 870
	IFF carriage 4+5 complete E16-18	250 334				



16.2.1 Continuation Intarsia yarn carrier type 2, Overview(Scope of delivery until 09/2011)

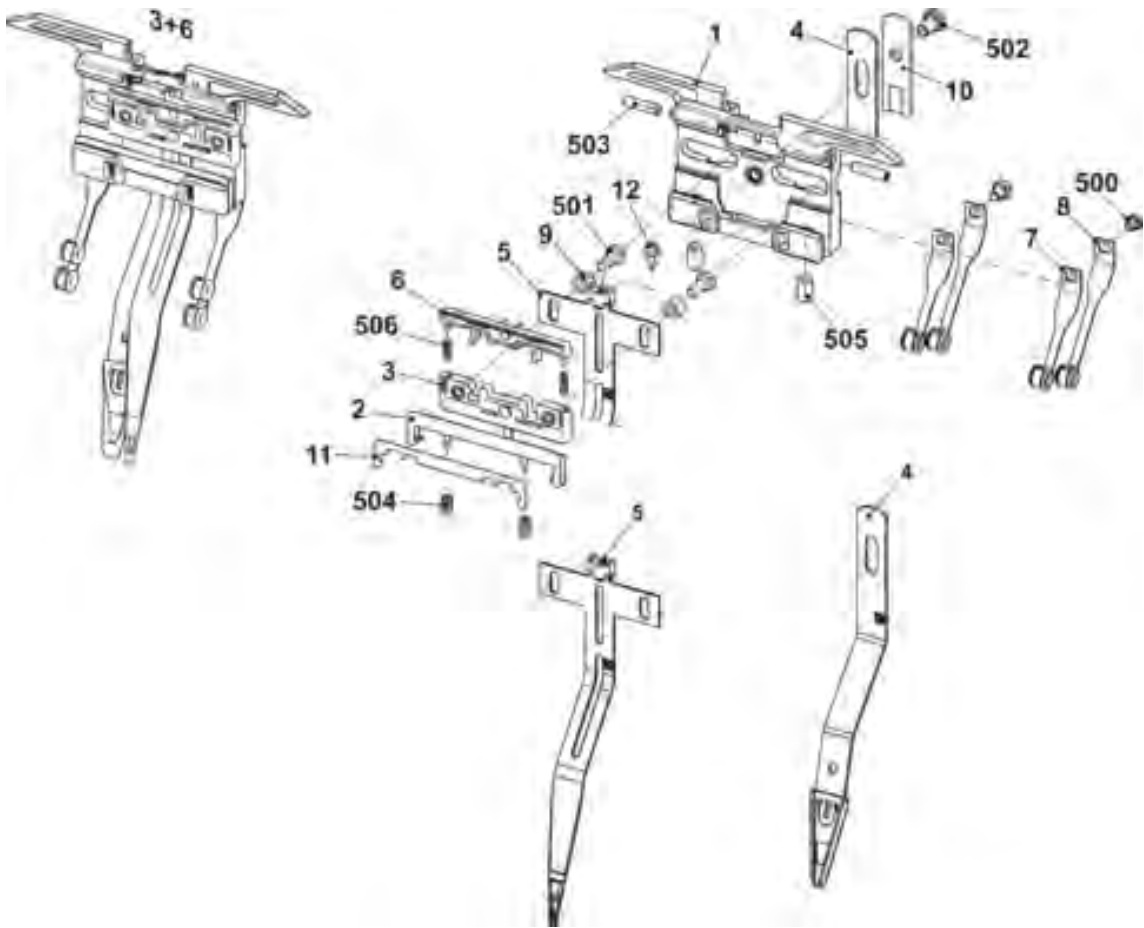
Pos	Designation	Id		Pos	Designation	Id
Σ	IFF carriage 1+8	250 315		A	Spare parts package IFF sliding block	263 585
	IFF carriage 2+7	250 316		B	Spare parts package IFF 1+8	263 580
	IFF carriage3+6	250 317			Spare parts package IFF 2+7	263 581
	IFF carriage4+5	250 318			Spare parts package IFF 3+6	263 582
3	Clamping lever on the rightH3	235 102			Spare parts package IFF 4+5	263 584
4	Clamping lever on the leftH3	235 103		C	Spare parts package IFF locating plate	263 579
8	Eyelet holder complete	242 931		a	Pressure plate 2,04	201 654
8c	Eyelet holder complete	244 200		b	Pressure plate 2,06	208 924
9	Slider at the bottom	250 300			Pressure plate 2,02	235 740
19	Gear wheel	244 031		510	Pan-head screw M4x6	022 994



16.3 Plating yarn carrier 3+6

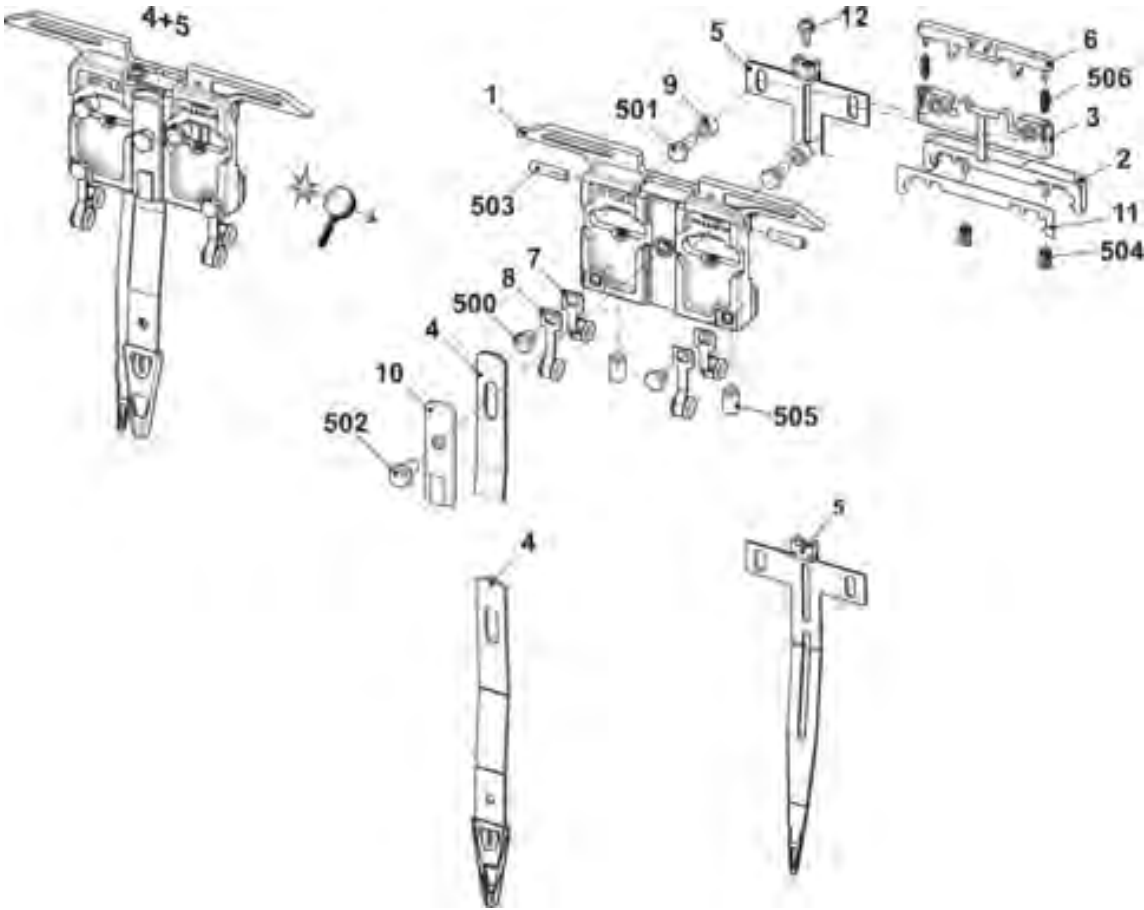
16.3 Plating yarn carrier 3+6

Pos	Designation	ID		Pos	Designation	ID
Σ	Plating yarn carrier carriage 3+6 complete					
	E10 E12 E14 E7.2	252 786		10	Shim	213 035
1	Plating yarn carrier carriage	252 806		11	Shim	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6 E10-14	252 822		501	Hexagon screwM4x10	020 346
5	Plating yarn carrier bow 3+6 E10-18	252 808		502	Hexagon screw	252 832
6	Sliding piece	252 797		503	Setscrew M4x16	254 196
7	Eyelet holder complete	252 825		504	Compression spring	021 399
8	Eyelet holder complete	252 824		505	Threaded bolt	213 399
9	Distance bushing	252 796		506	Compression spring	253 058



16.4 Plating yarn carrier 4+5

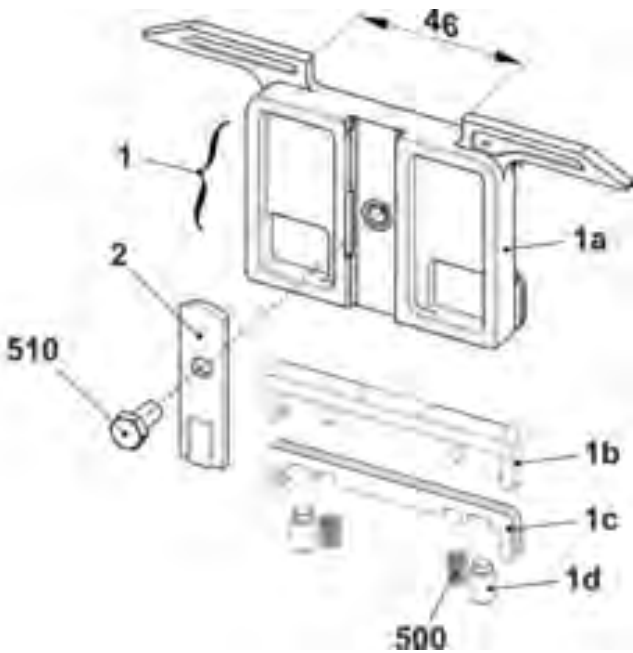
Pos	Designation	ID		Pos	Designation	ID
Σ	Plating yarn carrier carriage 3+6 complete					
	E10 E12 E14 E7.2	252 785		10	Shim	213 035
1	Plating yarn carrier carriage	252 806		11	Shim	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6 E10-14	252 792		501	Hexagon screwM4x10	020 346
5	Plating yarn carrier bow 3+6 E10-18	252 807		502	Hexagon screw	252 832
6	Sliding piece	252 797		503	Setscrew M4x16	254 196
7	Eyelet holder complete	252 815		504	Compression spring	021 399
8	Eyelet holder complete	252 816		505	Threaded bolt	213 399
9	Distance bushing	252 796		506	Compression spring	253 058



16.5 Carriage of plating yarn carrier EW46

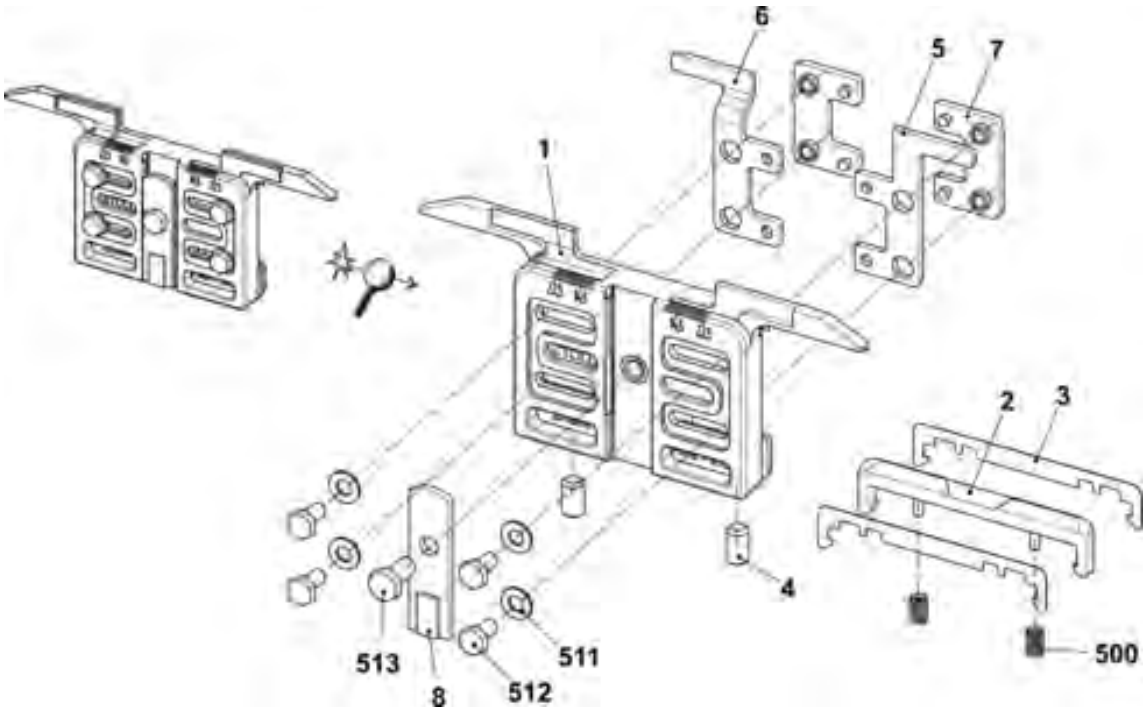
16.5 Carriage of plating yarn carrier EW46

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



16.6 Carriage of plating yarn carrier (adjustable)

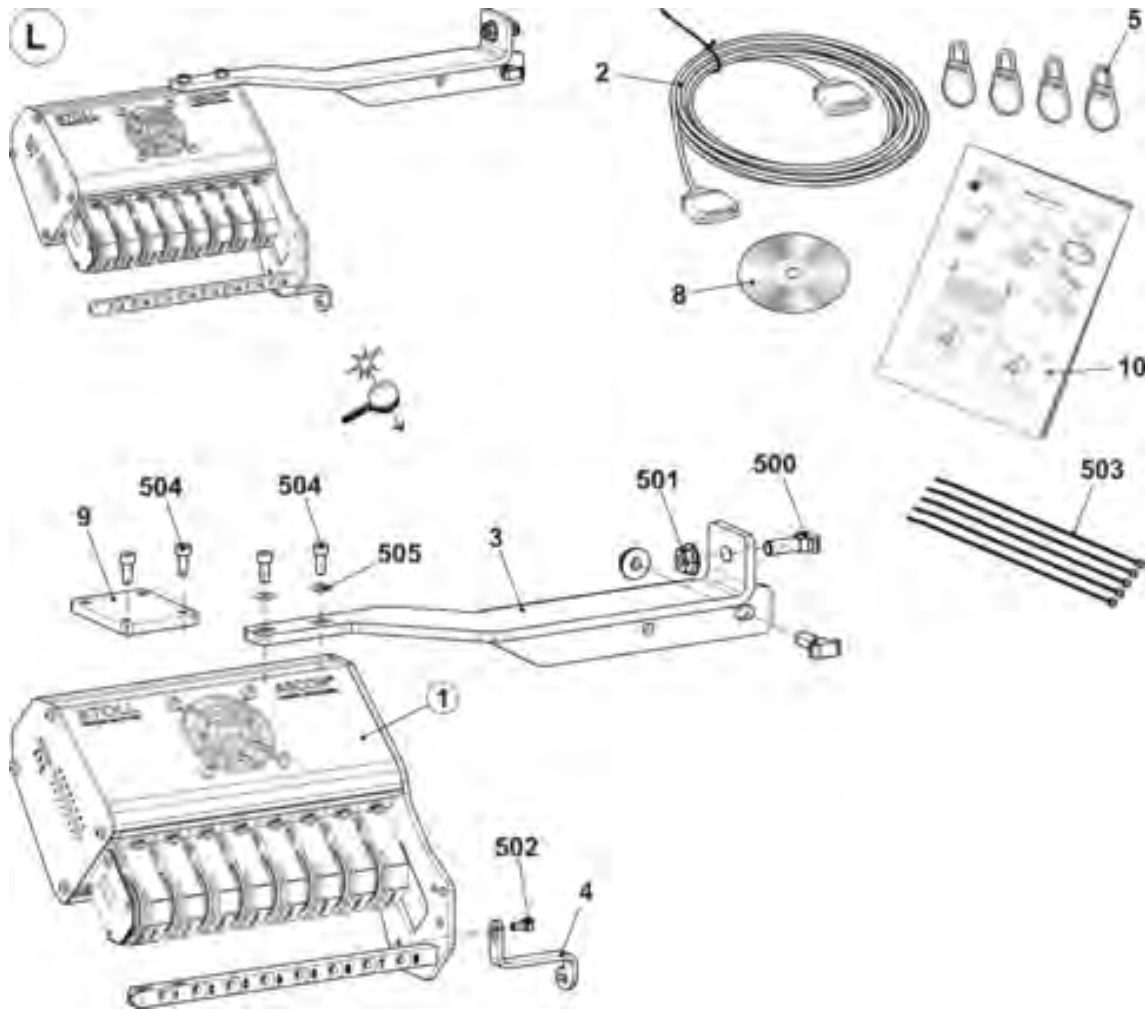
Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage complete	251 867				
1	Carriage of yarn carrier	251 864		7	Guide part	253 226
2	Sliding piece	212 583		8	Shim	213 035
3	Shim	216 143		500	Compression spring	021 399
4	Threaded bolt	213 399		511	Washer4	022 481
5	Insert on the right	251 866		512	Hexagon screwM4x8	022 461
6	Insert on the left	251 865		513	Hexagon screwM5x10	020 351



16.7 Yarn length measuring device on the left complete

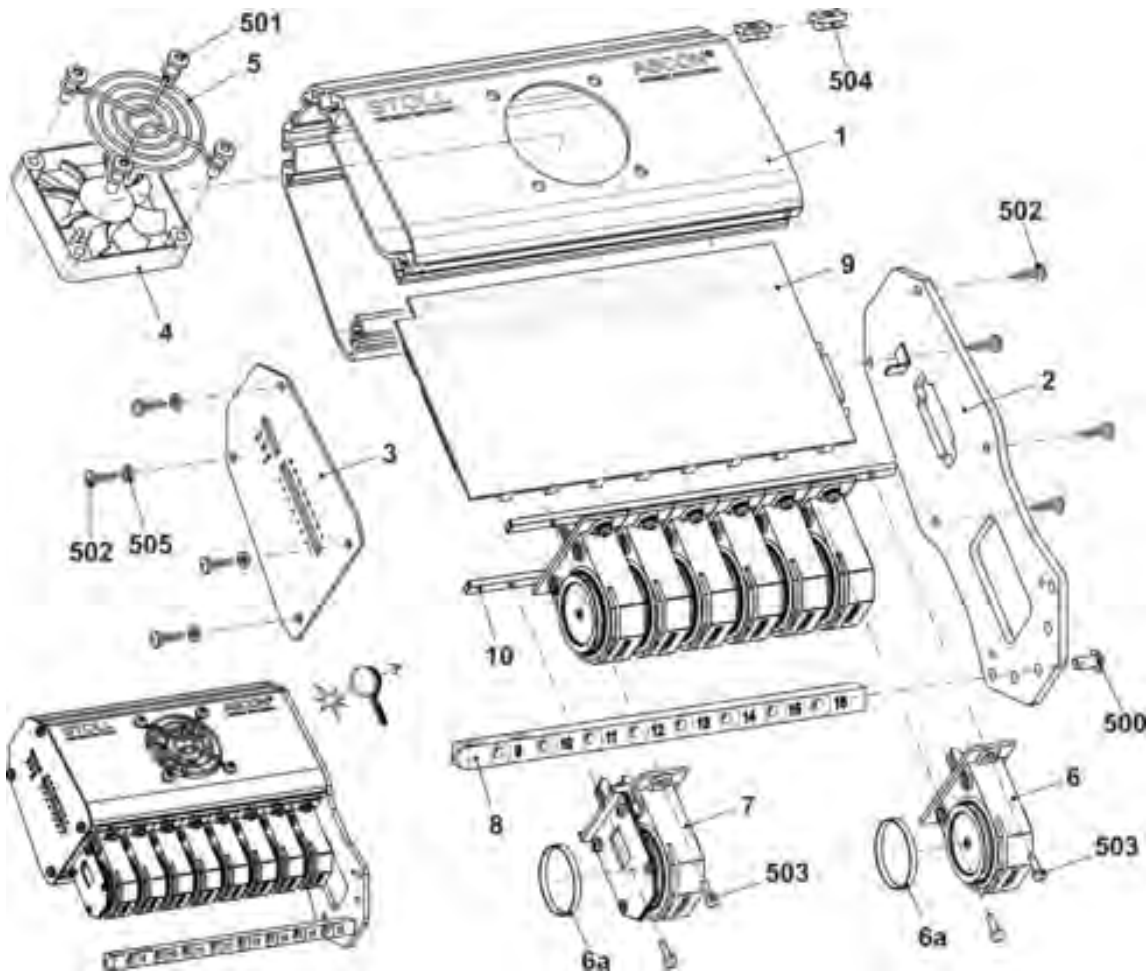
16.7 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 600			
1	Yarn length measuring device on the left complete	257 283	10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support on the left	257 122	501	Serrated nut M8-10	023 026
4	Connecting lug on the left	257 137	502	Cap screwM4x8	022 501
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screwM5x12	020 132
9	Holding plate	258 386	505	Washer5	020 871



16.7.1 Yarn length measuring device

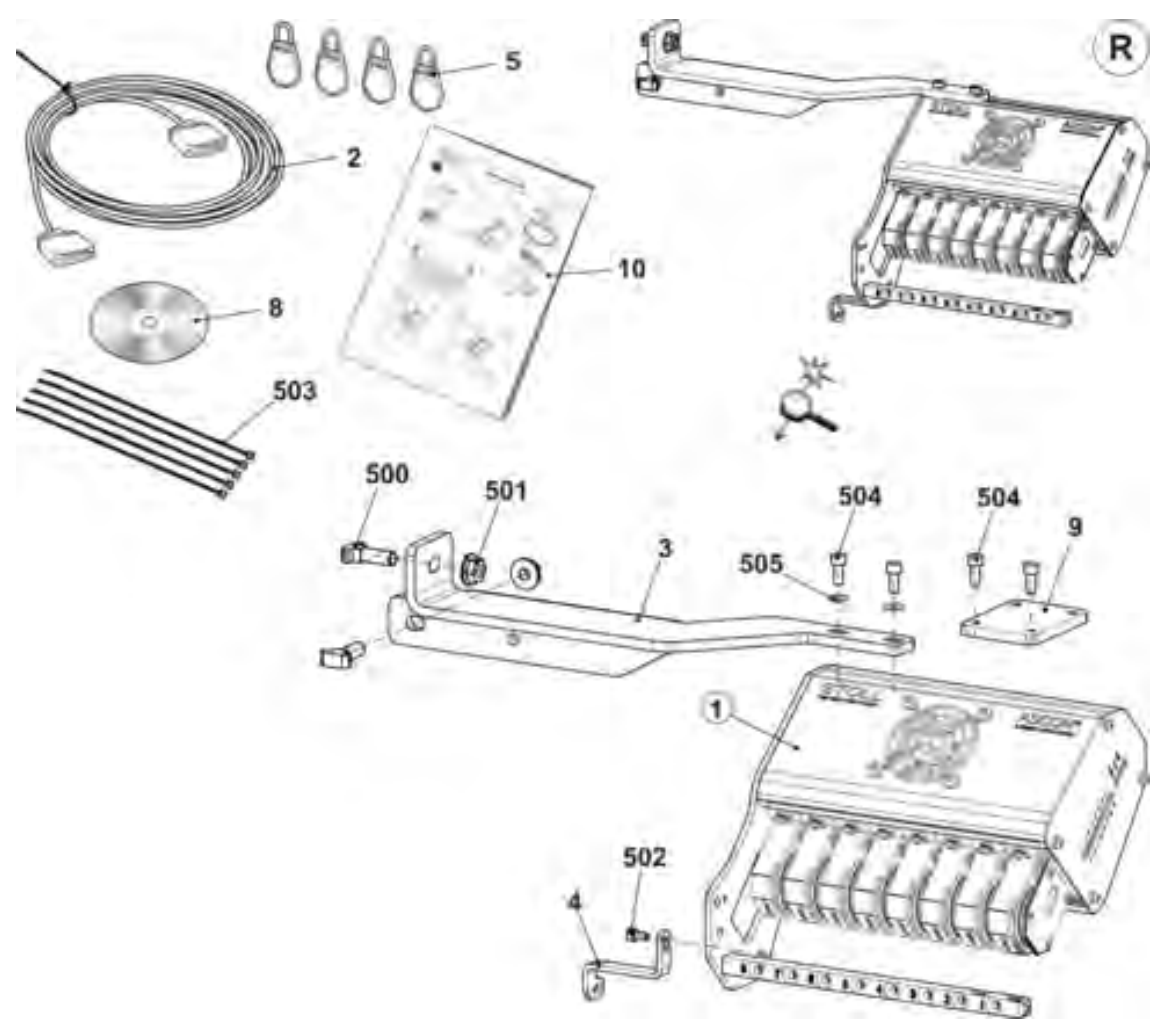
Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn length measuring device on the left complete		257 283		8	Yarn guide rod		257 139
1	Housing		257 281		9	Card Ascon		255 000
2	Support		257 278		10	Threaded strip		257 138
3	Cover		257 273		500	Pan-head screw M5x10		023 247
4	Fan with plug		257 048		501	Screw 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



16.8 Yarn length measuring device on the right complete

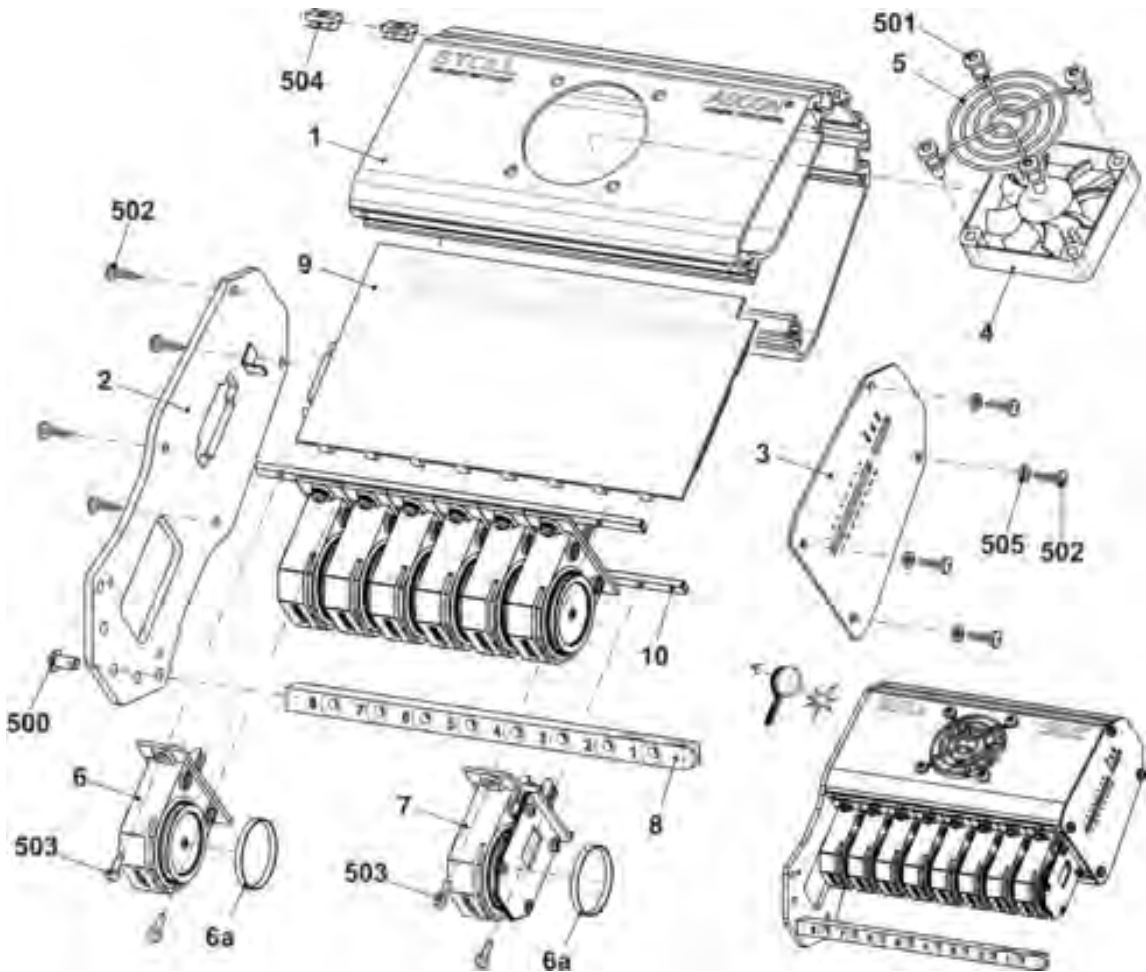
16.8 Yarn length measuring device on the right complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 599				
1	Yarn length measuring device on the right complete	257 282		6	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support right	257 121		501	Serrated nut M8-10	023 026
4	Connecting lug on the right	257 136		502	Cap screwM4x8	022 501
5	Adjustment weight	212 241		503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391		504	Cap screwM5x12	020 132
9	Holding plate	258 386		505	Washer5	020 871



16.8.1 Yarn length measuring device on the right

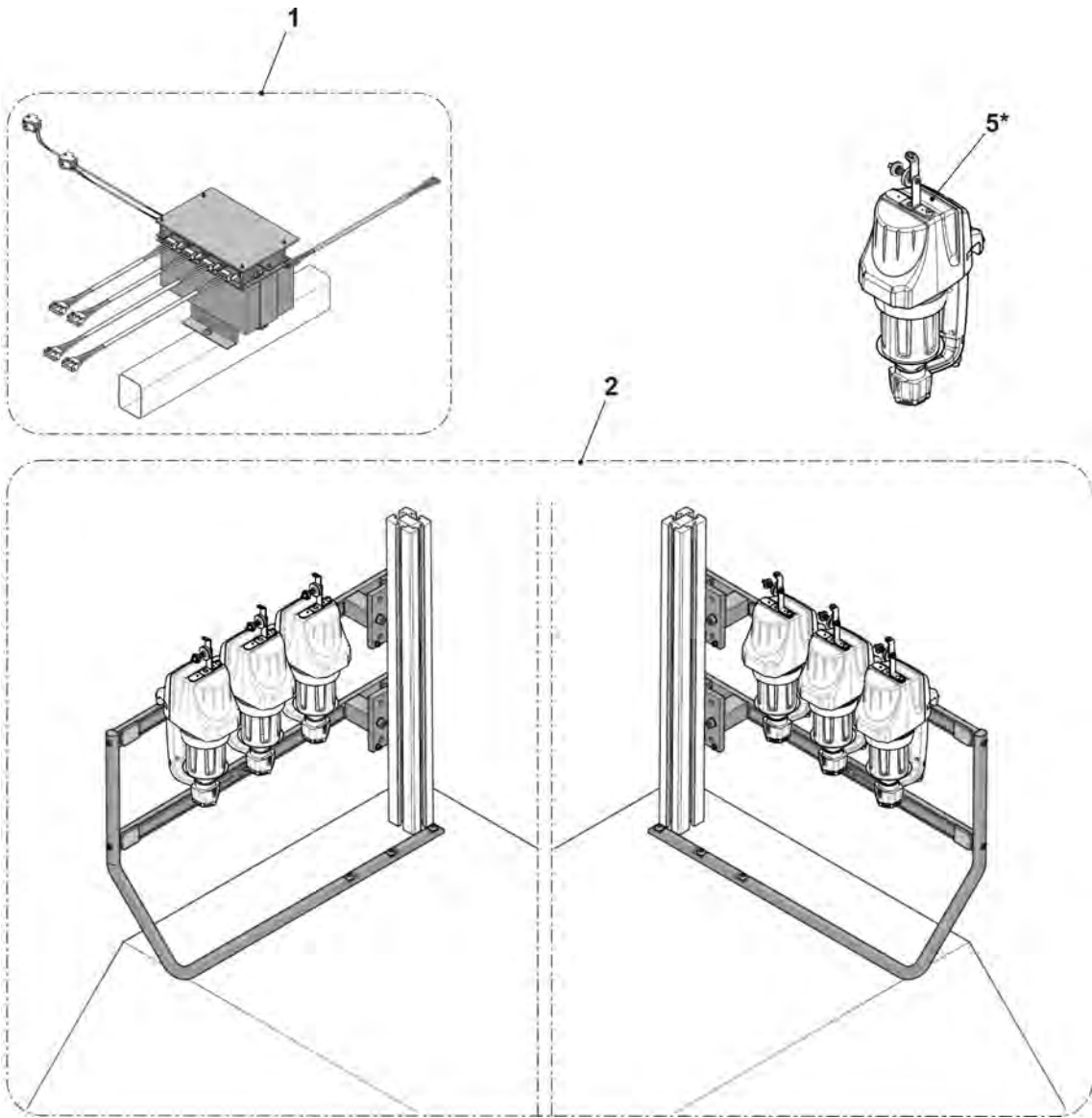
Pos	Designation		Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete		257 282		8	Yarn guide rod	257 139
1	Housing		257 281		9	Card Ascon	255 000
2	Support		257 278		10	Threaded strip	257 138
3	Cover		257 273		500	Pan-head screw M5x10	023 247
4	Fan with plug		257 048		501	Screw 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



16.9 Storage feed wheel MSF 2

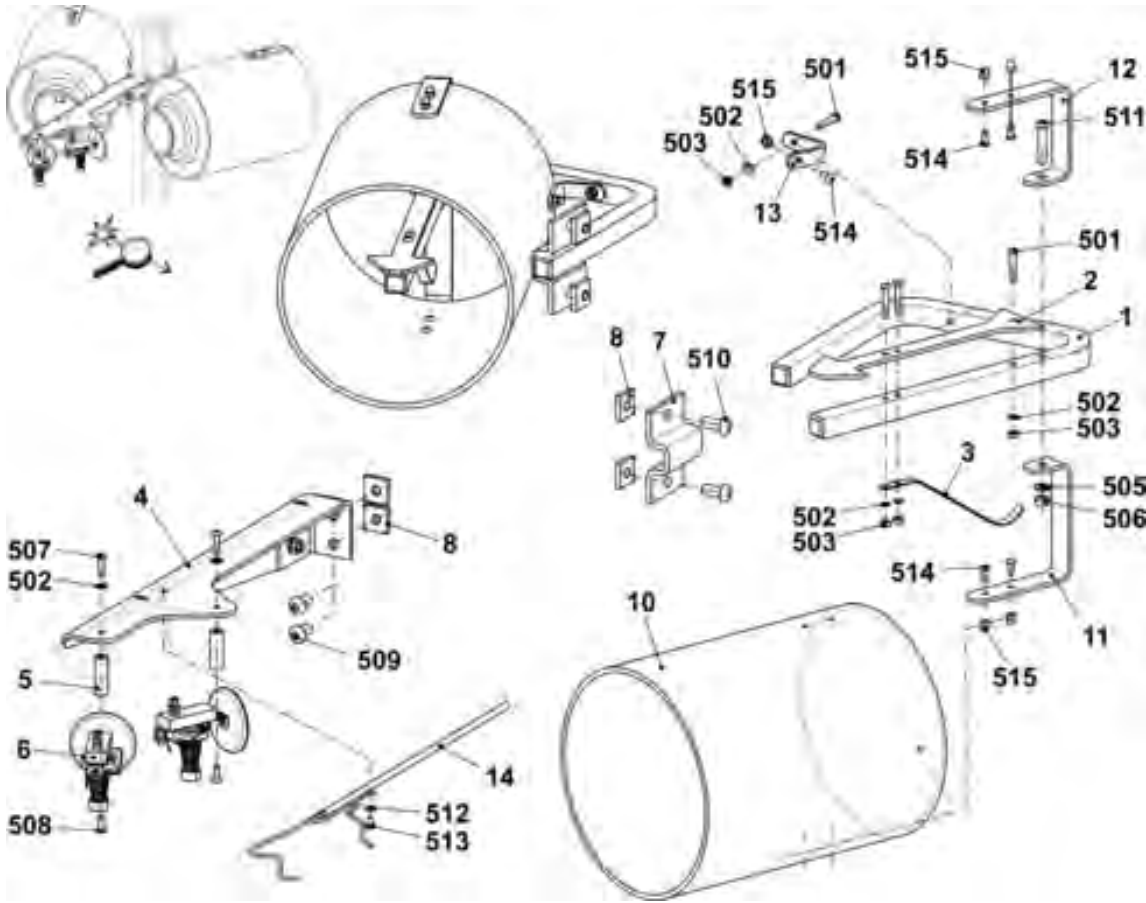
16.9 Storage feed wheel MSF 2

Pos	Designation	ID	Note
Σ	Attachment set storage feed wheel MSF-2	259 575	Please order the MSF-2 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Tel.: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-2 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Transformer MSF-2 with cable	259 611	
2	Mounted set MSF-2 without transformer	259 612	
5*	Storage feed wheel MSF-2	259 604	



16.10 Bobbin holder on the left

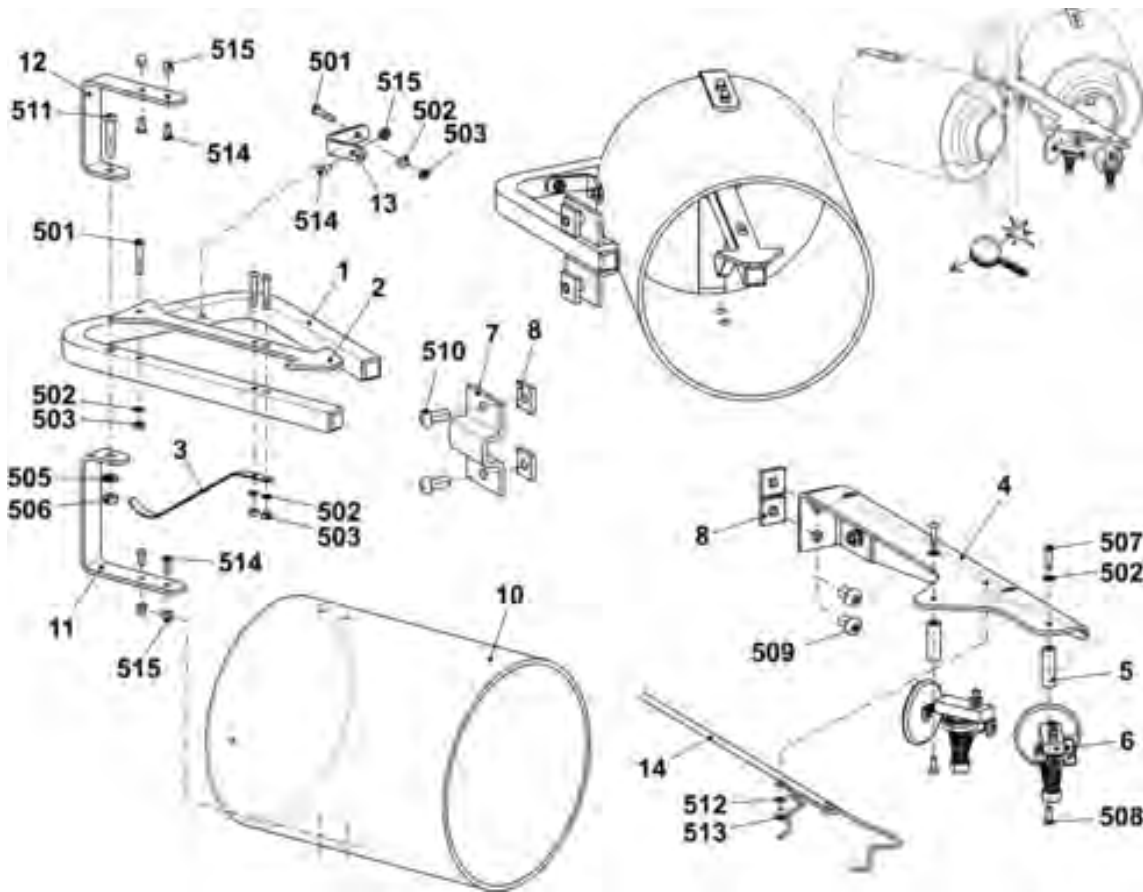
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan-head screwM4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screwM4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screwM8x16	023 113
8	Slot nut	228 851	510	Pan-head screwM8x18	251 331
10	Cover	253 968	511	Pan-head screwM6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screwM4x6	022 946
13	Holding angle	253 967	514	Pan-head screwM4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



16.11 Bobbin holder on the right

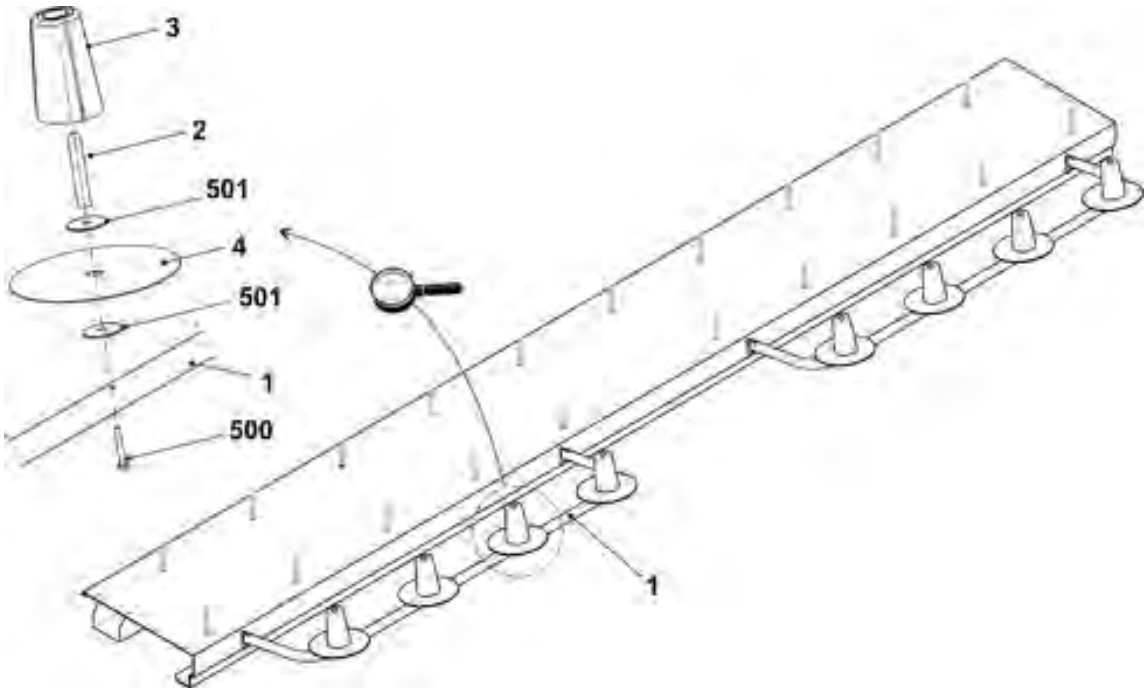
16.11 Bobbin holder on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan-head screwM4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screwM4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screwM8x16	023 113
8	Slot nut	228 851	510	Pan-head screwM8x18	251 331
10	Cover	253 968	511	Pan-head screwM6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screwM4x6	022 946
13	Holding angle	253 967	514	Pan-head screwM4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



16.12 Additional bobbin board

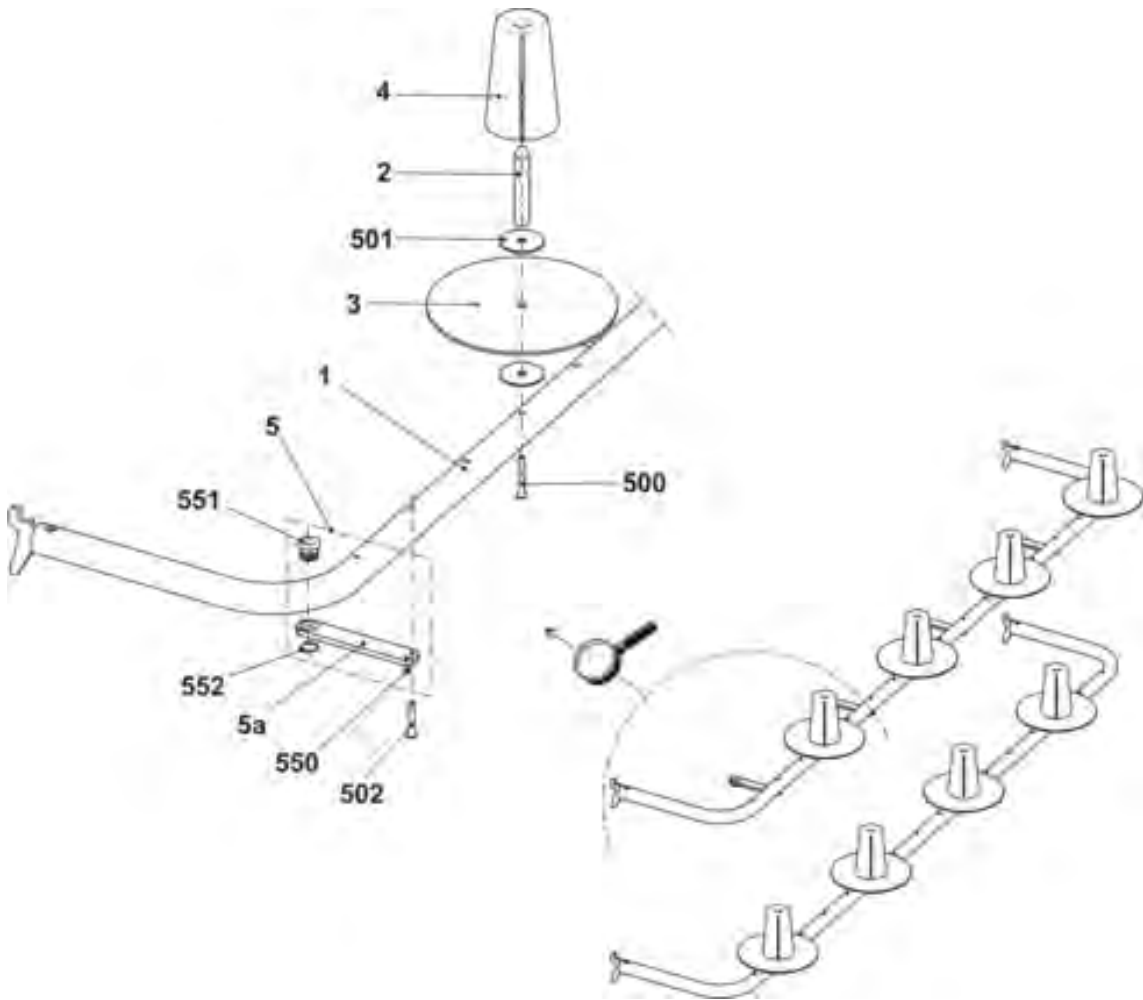
Pos	Designation	Id		Pos	Designation	Id
Σ	Additional bobbin board	241 852				
1	Additional bobbin board welded	241 851		4	DiskD=130	062 385
2	Positioning pin	202 777		500	Pan-head screw M4x30	023 681
3	Bobbin support	200 363		501	Washer5,3x30x1,25	023 556



16.13 Additional bobbin board (top, bottom)

16.13 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 screwM4x30		023 681
5	Yarn guide		243 765		501	Washer5,3x30x1,25		023 556
	5a	Guide part	243 623		502	Pan-head screwM4x25		023 511



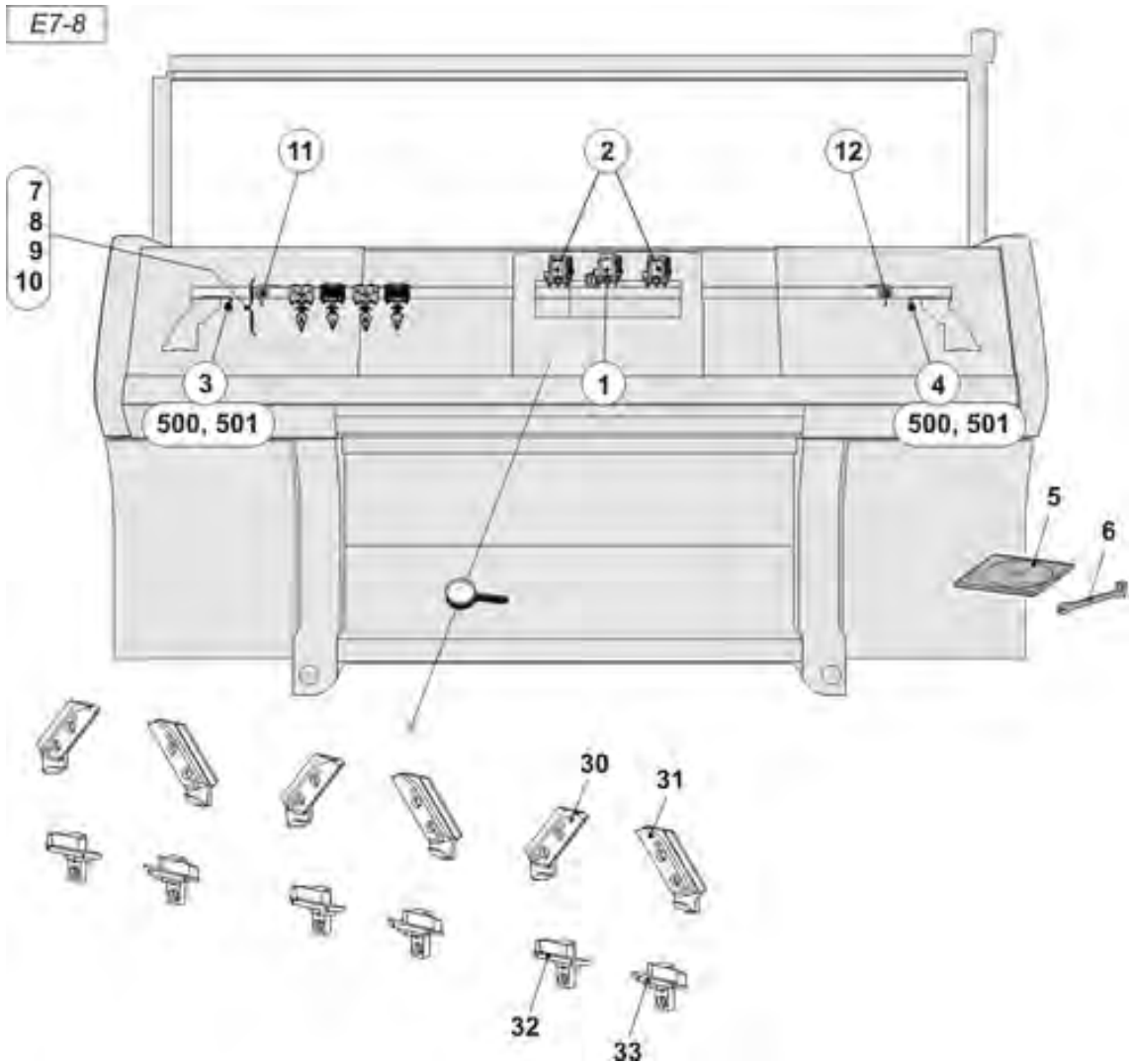
17 Conversion kit 24 IFF Type 2

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



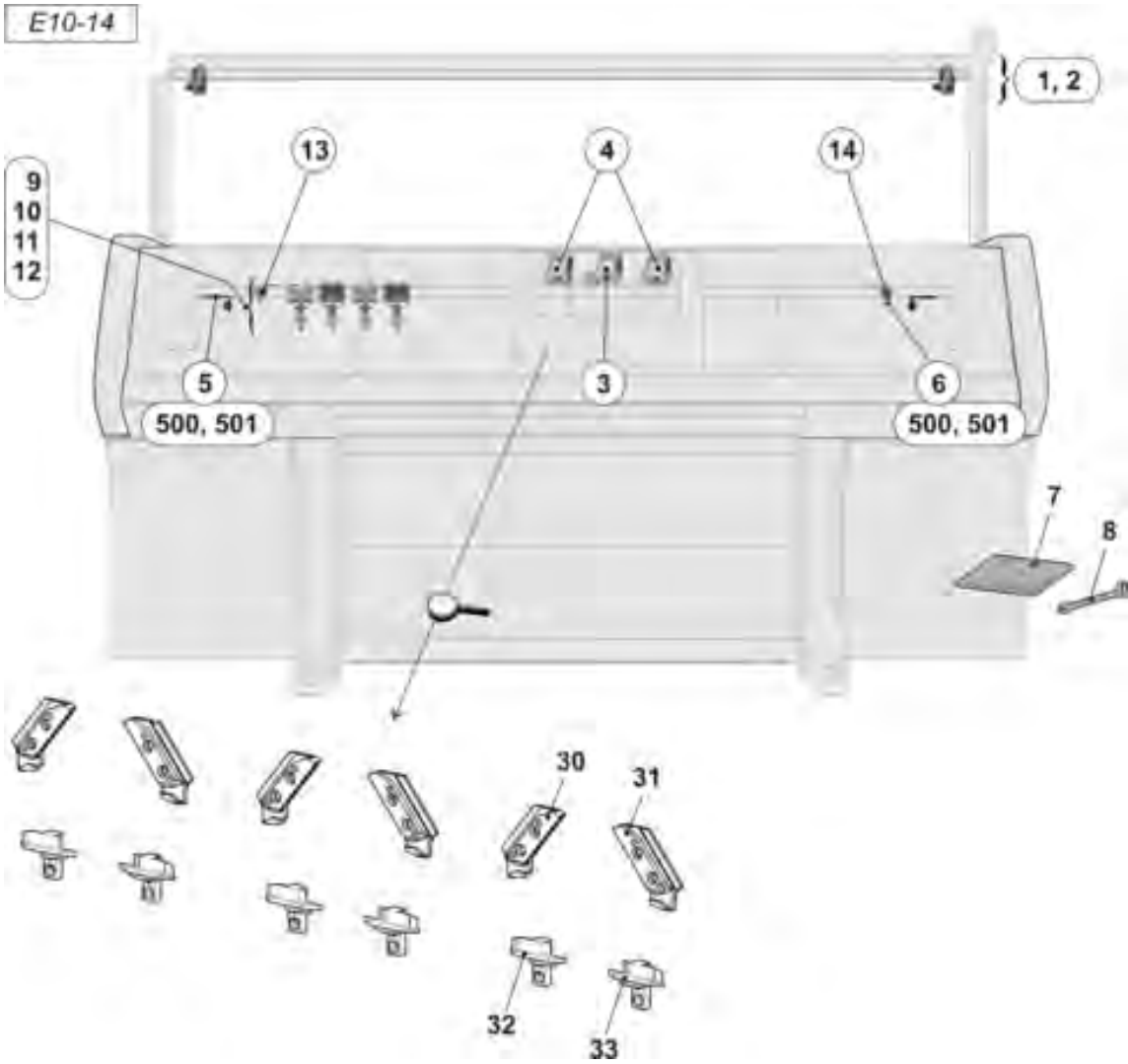
17.1 Overview of conversion kit E7 | E8

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 part receiving on the left short tuck	240 697
7	IFF carriage complete1+8 E7-8	259 736		33	Pressure part 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	Washer6	020 881



17.2 Overview of conversion kit E10 | E12 | E14

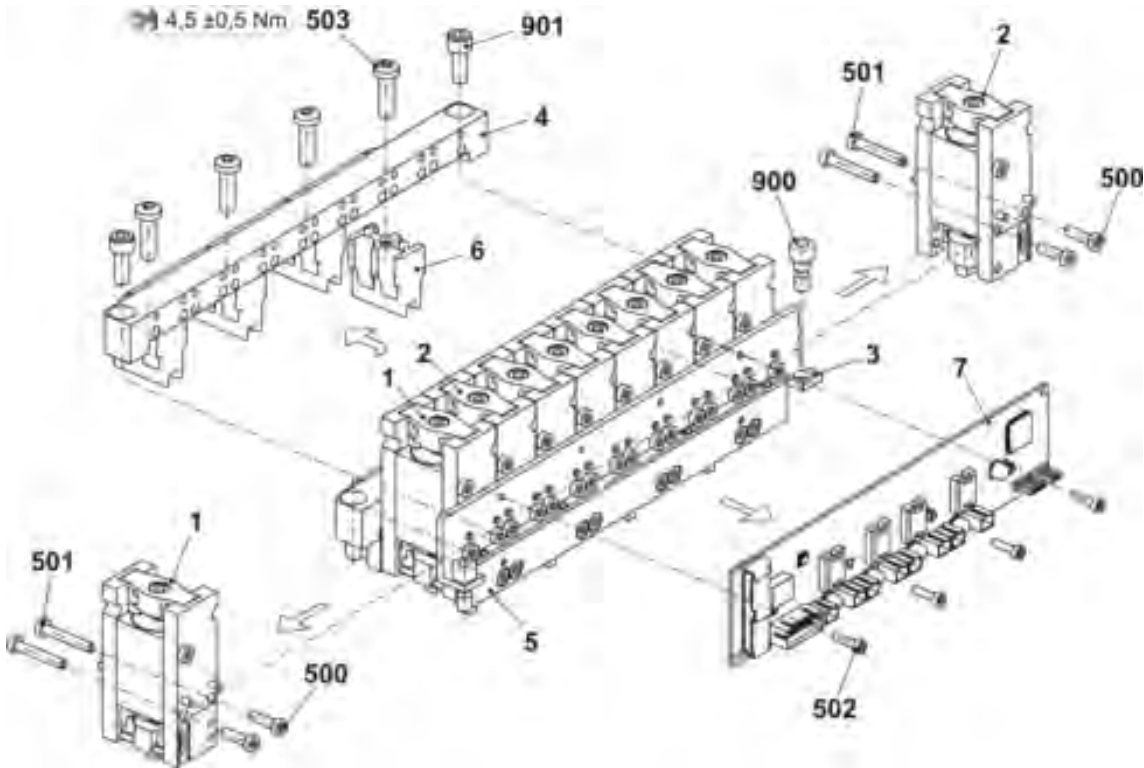
Pos	Designation	ID		Pos	Designation	ID
Σ	Conversion kit 16 IFF E10 E12 E14	254 905				
1	Yarn control unit	237 124		11	IFF carriage complete3+6 E10-14	259 742
2	Yarn guide bracket complete	241 581		12	IFF carriage complete4+5 E10-14	259 743
3	Yarn carrier driving unit in the middle complete	245 298		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 part receiving on the left short tuck	240 697
8	Adjusting part for yarn carrier bow	250 119		33	Pressure part 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	Washer6	020 881



17.2 Overview of conversion kit E10 | E12 | E14

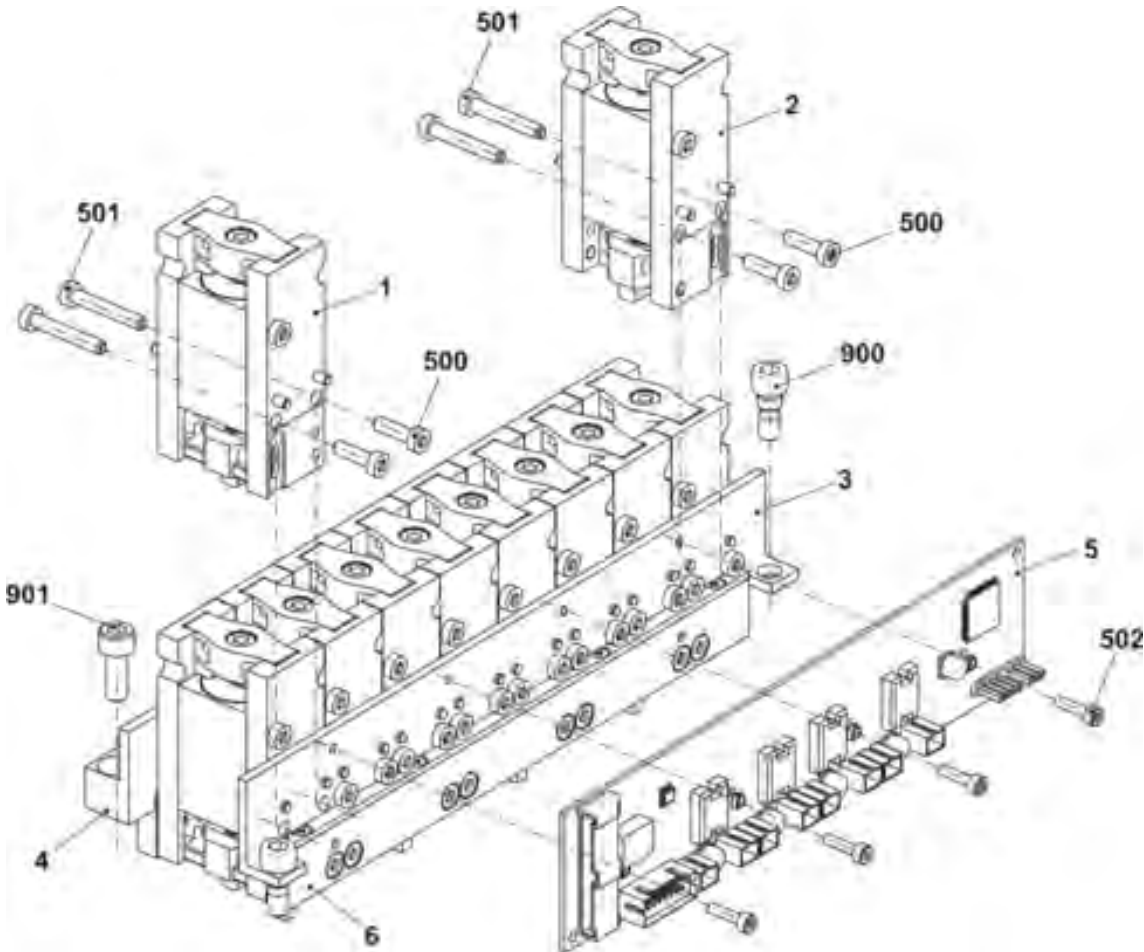
17.2.1 Driving in the middle

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



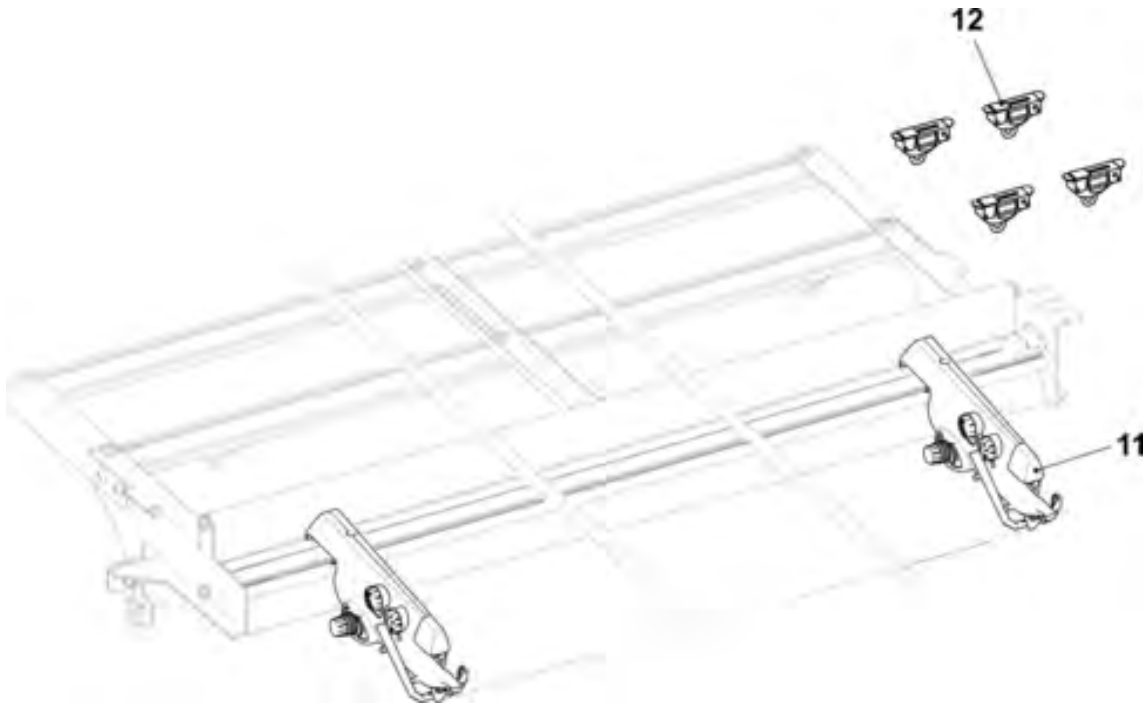
17.2.2 Driving outside

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



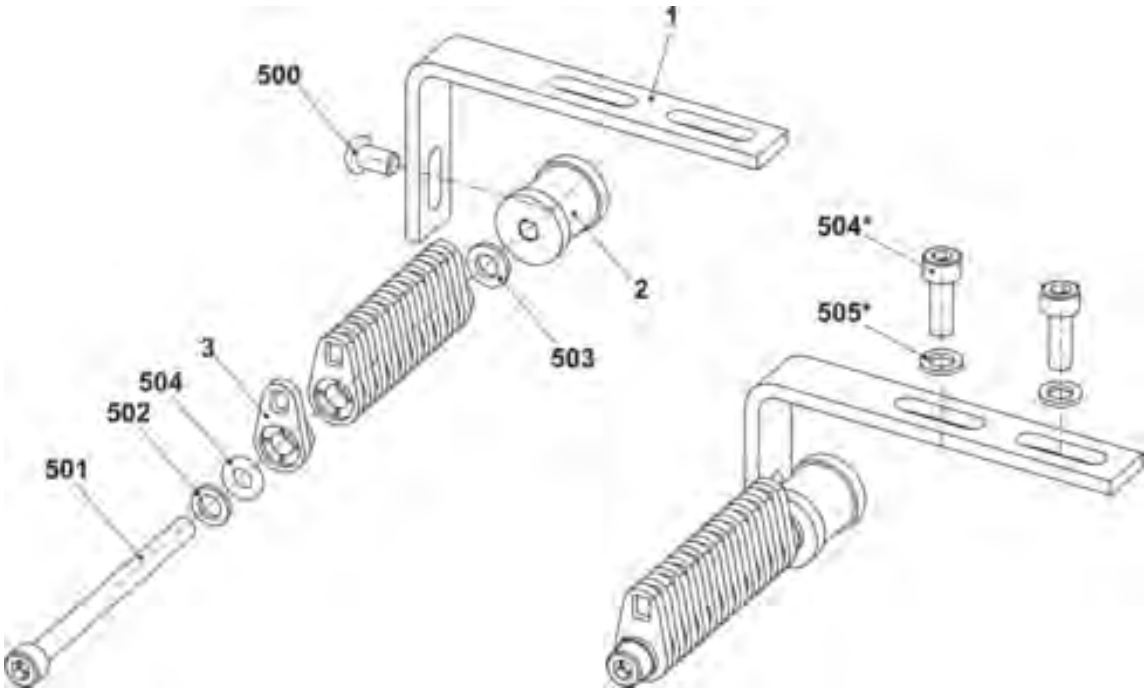
17.2.3 Parts for the yarn guide system

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



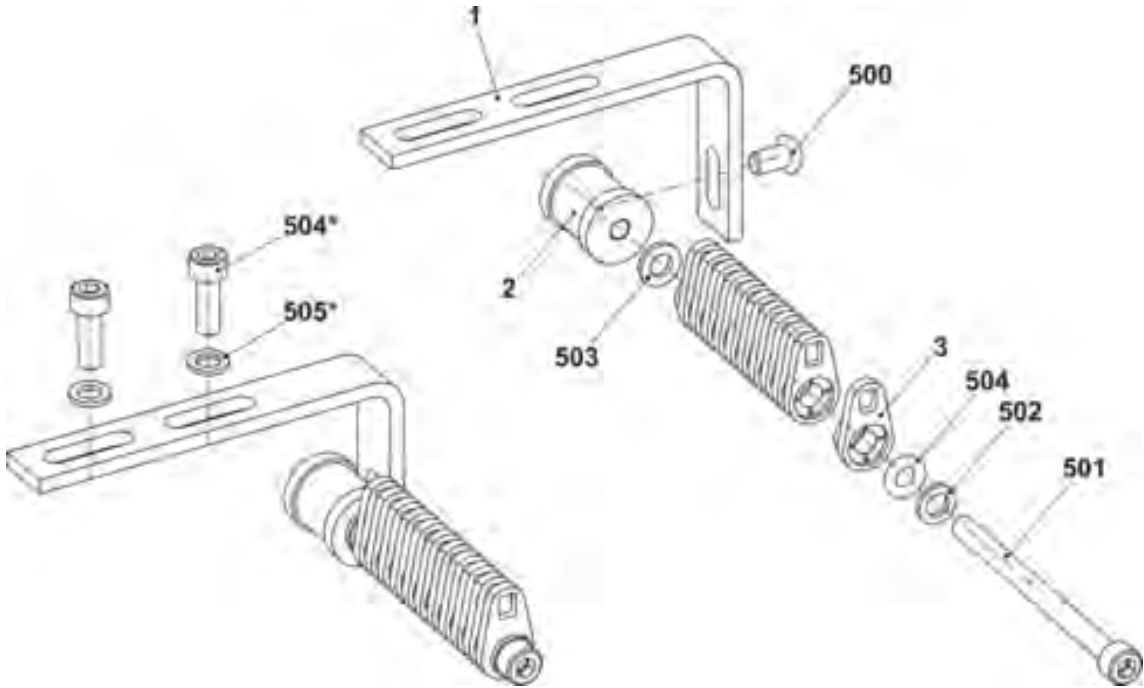
17.2.4 Yarn deflector on the left

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn deflector on the left complete	244 517				
1	Holding angle	244 516		502	Washer6	020 881
2	Bolts	214 894		503	Washer6	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*	Washer6	020 881



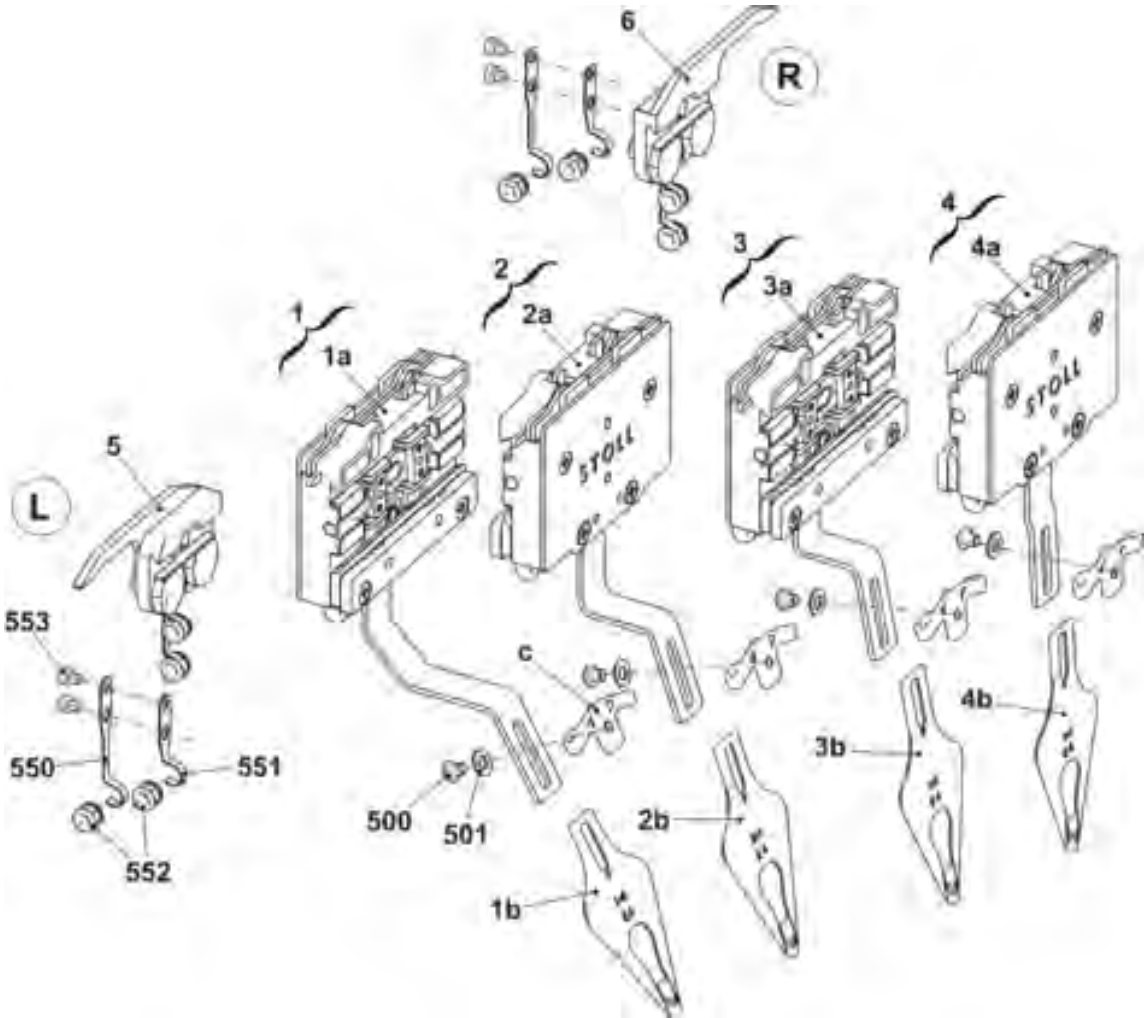
17.2.5 Yarn deflector on the right complete

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn deflector on the right complete	244 521				
1	Holding angle	244 516		502	Washer6	020 881
2	Bolts	214 894		503	Washer6	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*	Washer6	020 881



17.2.6 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	Washer4		020 870
	3b	Yarn carrier head 3-6 complete E7-8	244 084					



17.2 Overview of conversion kit E10 | E12 | E14

17.2.7 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	Washer4	020 870
	3b Yarn carrier head 3-6 complete E10-14	250 010			

