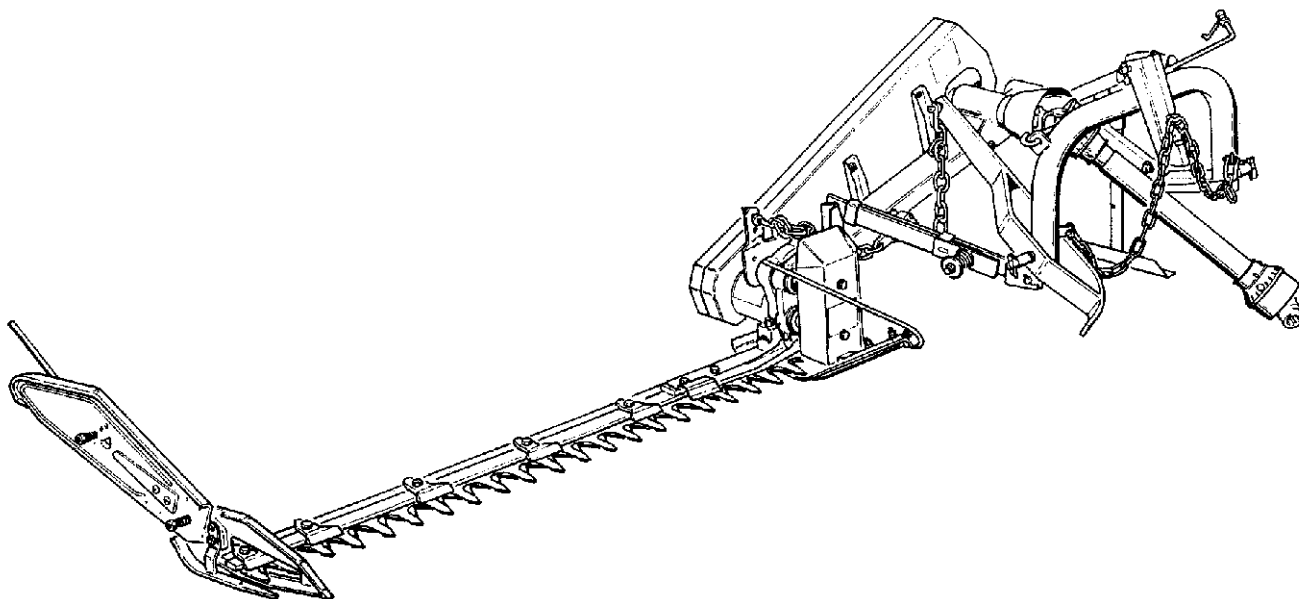




AGRICULTURAL MACHINERY

sitrex®
s.r.l.

**ASSEMBLY,
USE AND MAINTENANCE
SPARE PARTS LIST**



SB/150 - SB/165
SB/180 - SB/210

DEAR CUSTOMER,

WE WOULD LIKE TO WELCOME YOU AS OUR-PRODUCT USER AND THANK YOU FOR CHOOSING OUR MACHINE.

OUR MACHINES ARE THE RESULT OF CAREFUL STUDY AND YEARS OF EXPERIENCE. WE HAVE ALWAYS PLACED IMPROVEMENT AMONG OUR PRIME OBJECTIVES.

WE WOULD LIKE TO POINT OUT, HOWEVER, THAT FOR LASTING PROTECTION OF THE CAPITAL YOU HAVE INVESTED, IT IS NECESSARY TO FOLLOW THE INSTRUCTIONS IN THIS BOOKLET WHICH ILLUSTRATES THE CHARACTERISTICS, THE OPERATION AND THE MAINTENANCE OF THE MACHINE IN DETAIL.

THE CONTENTS OF THIS BOOKLET ARE INTENDED TO BE A GUIDE, **THE MANUFACTURER** RESERVES THE RIGHT TO MODIFY THE SPECIFICATIONS OF THE MACHINE WITHOUT BEING OBLIGED TO IMMEDIATELY UP-DATE THIS BOOKLET.

WARNING

BEFORE STARTING THE MOWING OPERATIONS ALWAYS CHECK THAT ALL THE CONNECTIONS ARE THOROUGHLY TIGHTENED.

THE MOWER MUST NEVER BE OPERATED WHILE ANYONE IS WITHIN RANGE OF THE MACHINE.

THE MANUFACTURER DECLINE EVERY RESPONSIBILITY FOR EVENTUAL ACCIDENTS SHOULD HAPPENED AFTER A WRONG OR BAD USE OF THE MACHINE.

ASSEMBLY INSTRUCTIONS

1. CAUTION

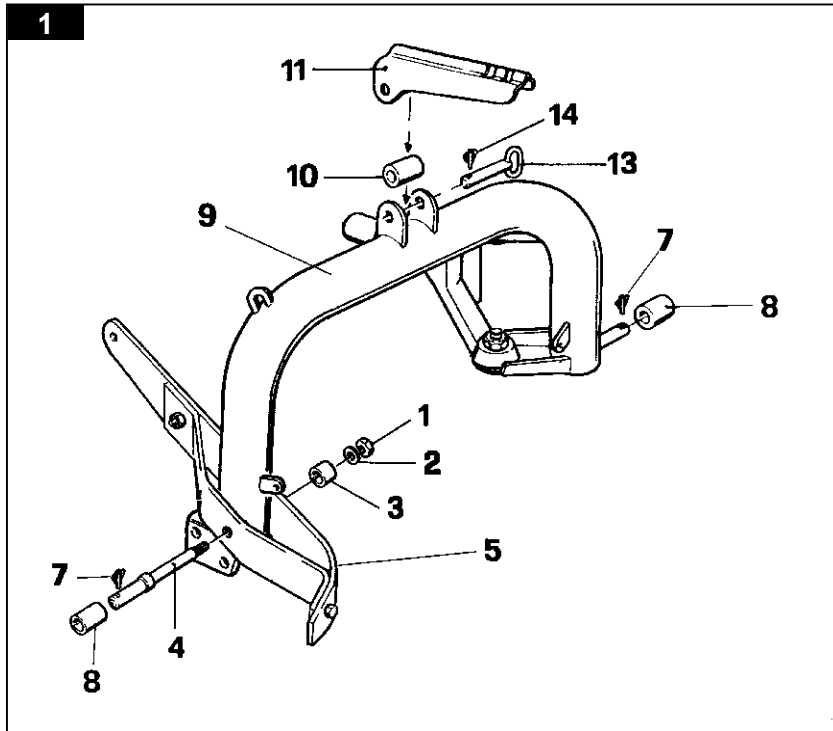


Attach lifting lever 5 to arch frame 9 inserting pin 4 and inserting bushing 3 on the other side, and

fasten with washer 2 and nut 1. For a safer and simpler assembly, it is recommended that the three-point arch frame be attached to the tractor or to another similar support.

Use bushings 8 and 10 to adapt the pins to different types of tractor attachments.

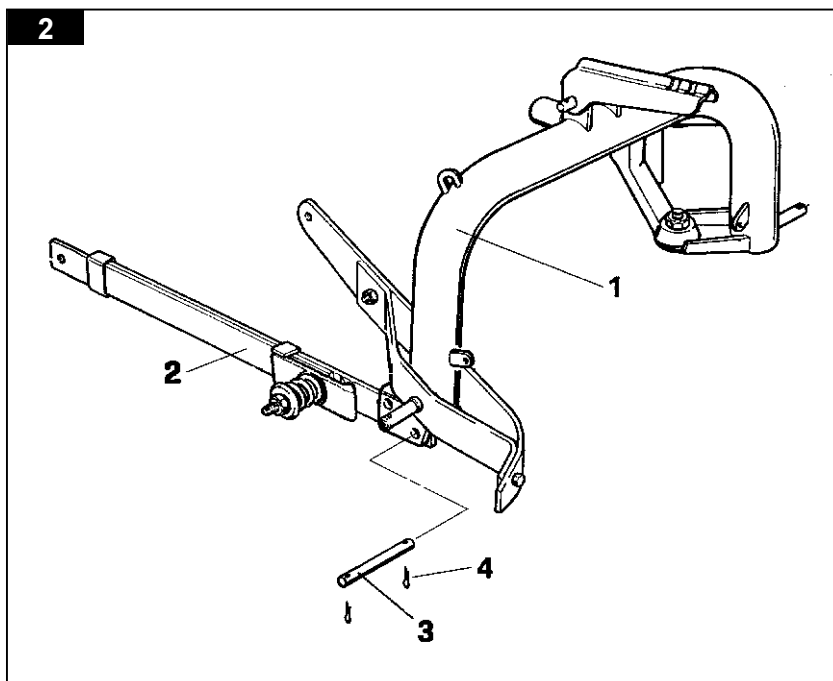
Position lever 11 and bushing 10 (if needed) and secure with pin 13 and pin 14.



2. CAUTION



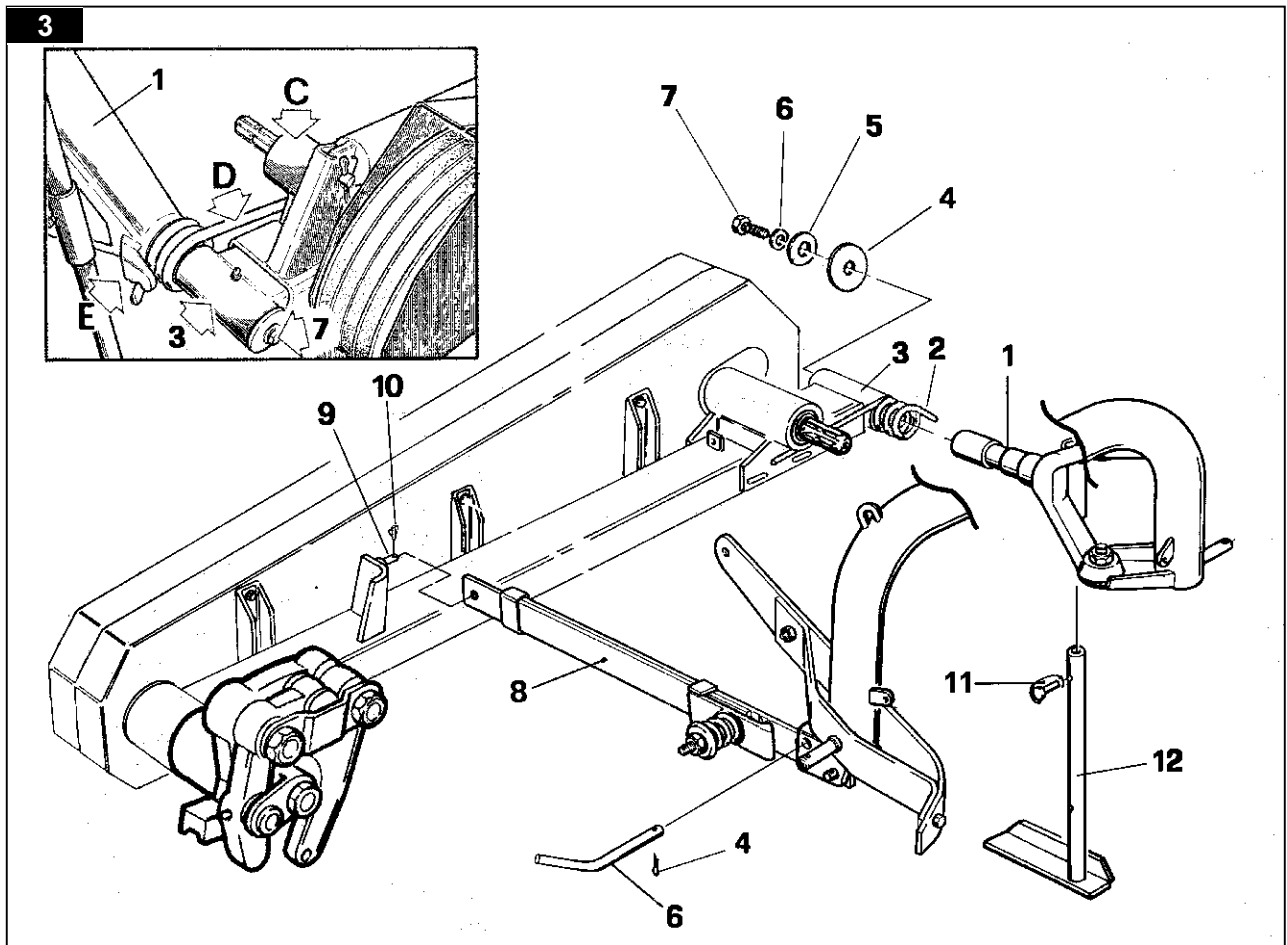
Attach safety bar 2 at the hole indicated on arch frame 1 with pin 3 and secure pin 3 with pins 4.



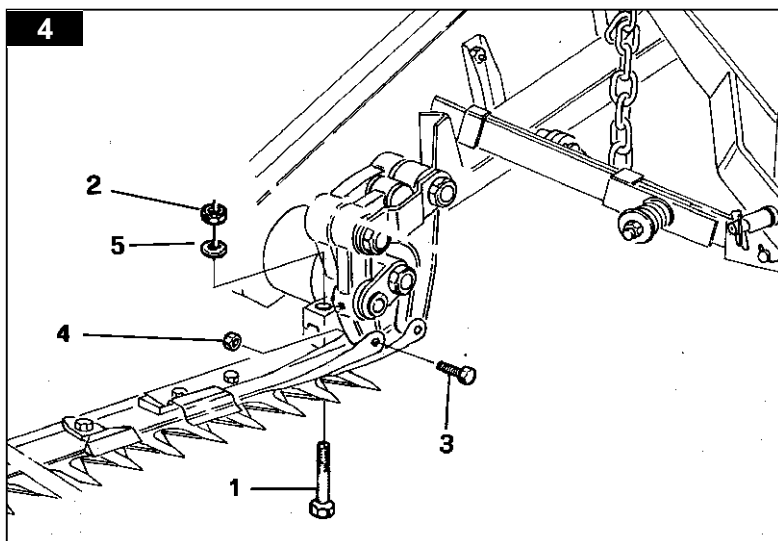
3. DANGER



Remove paint from the part of pin 1 that must enter in bushing 3 of the belt drive assembly to make insertion easier. Load spring 2 securing the longer end in place at point C (drive assembly)



and the shorter end at point E of support 1 as indicated in the detail in the illustration. Fasten pin 1 with washers 4, 5 and 6 and screw 7. With the spring under tension join safety bar 8 to pin 9 on the drive assembly and secure with pin 10. Insert pin 6 and secure with pin 4.



4. ATTENTION

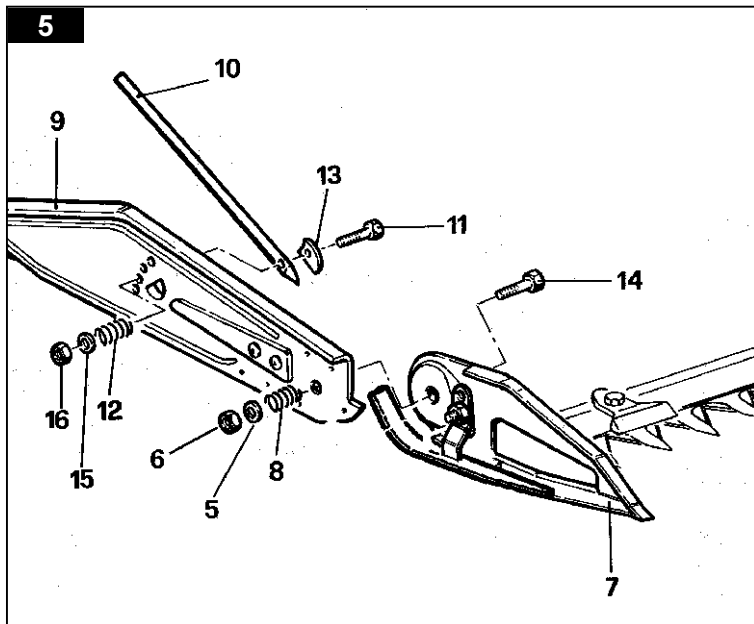


Mount the blade assembly to the drive assembly using screws 1, washers 5 and nuts 2, and fasten blades with screws 3 and nuts 4.

5. CAUTION



Attach plate 9 to frame 7 using screws 14 and spring 8 and tighten nut 6 and washers 5 without completely compressing spring 8 (pieces 14, 8, 12 and 6 are contained in the nuts & bolts sack). Attach rod 10 in the same manner, without compressing spring 12, with nut 16 and washer 15.

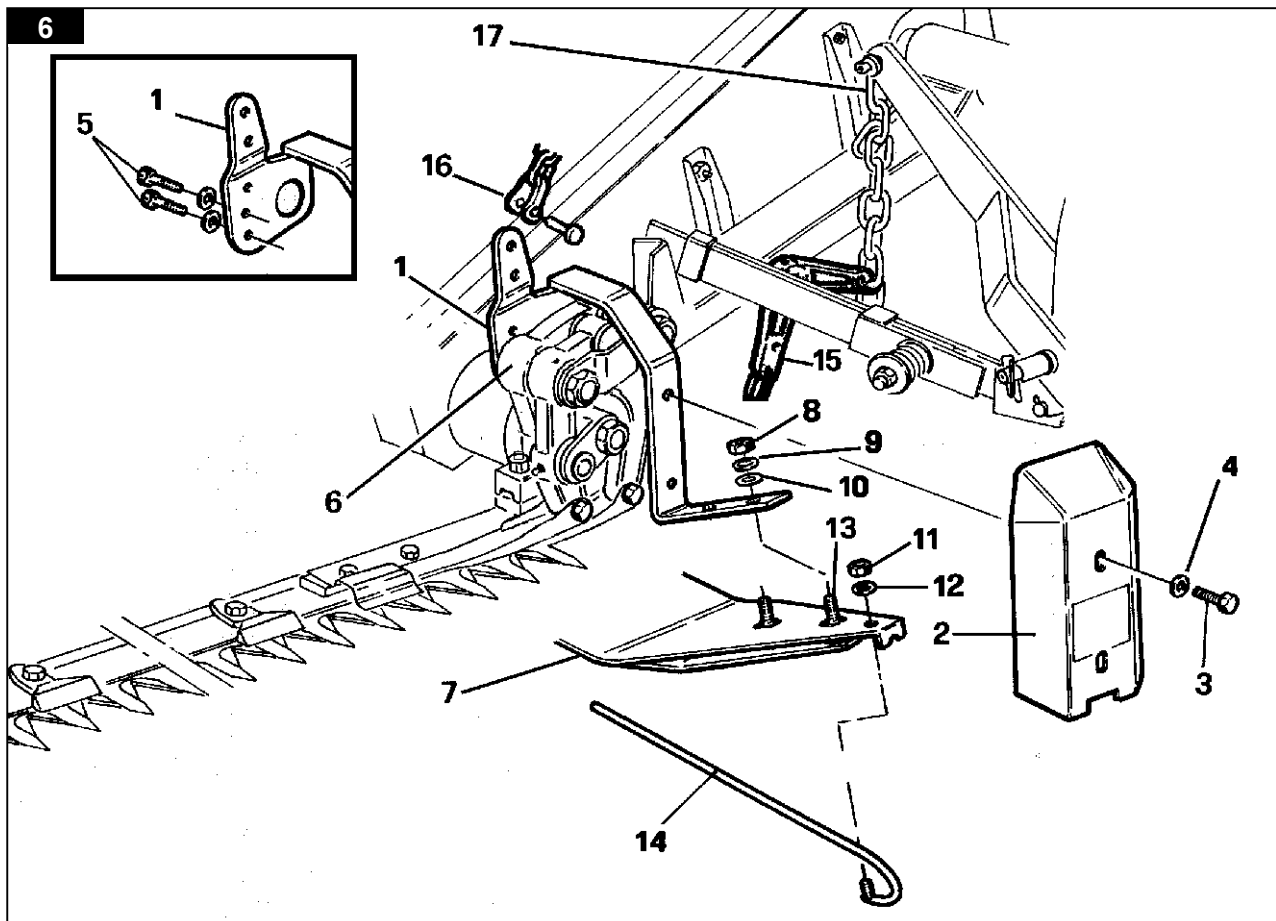


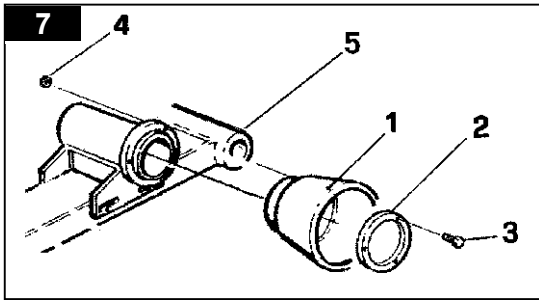
6. CAUTION



Attach bracket 1 to the drive assembly 6 inserting also screws 13 of shoe 7 (packed preassembled) and positioning screws 5, tightening all with washers 9 and 10 and nuts 8. Attach safety guard 2 to bracket 1 using nuts 3 and washers 4.

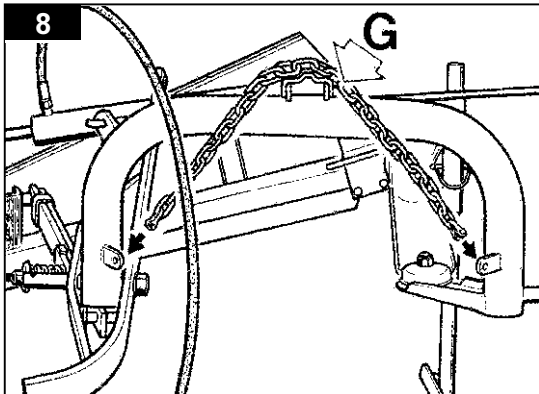
Connect the chains of connecting rod 15 to fasteners 17 and 16, which are bigger than the fasteners to be used for the chain in Fig. 8, Ref. G. Attach rod 14 to shoe 7 using nut 11 and washer 12.





7.

Connect the protective casing 1 to the power take-off support 5 using ring 2, screws 3 and nuts 4 contained in the nuts & bolts sack.

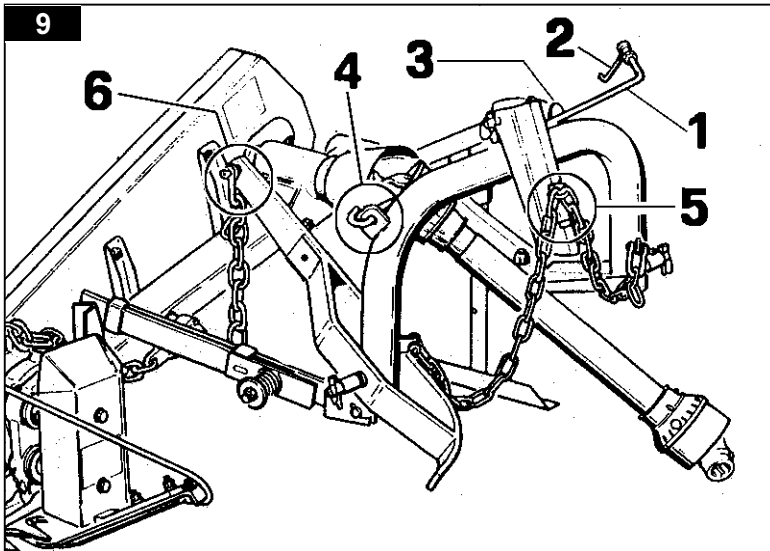


8.

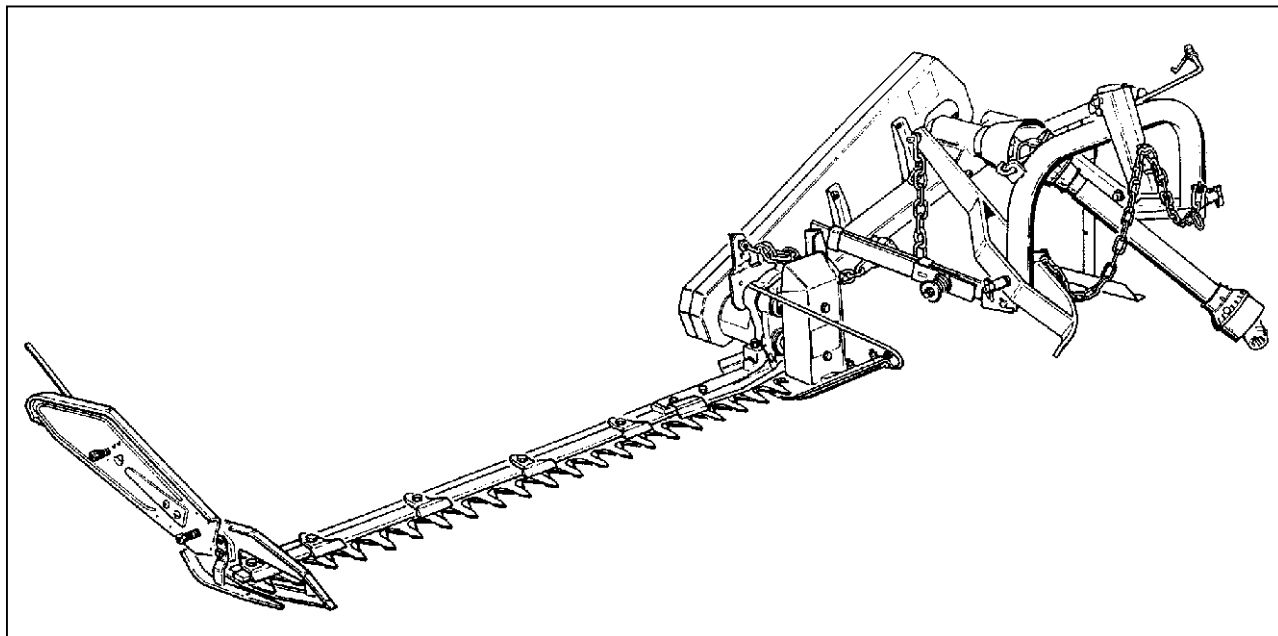
Connect the chain (Rif.G) to the frame making use of the appropriate fasteners. (see also Fig.9 Ref.5).

9.

Slide the transport rod 1 into slot 4 on the three-point arch frame and fit it into hook 3. Screw the bar locking handle 2 (contained in the nuts & bolts sack) onto rod 1.



When assembly is completed, the machine should look as it appears in the illustration.



USE AND MAINTENANCE

On completion of assembly, the following operations should be carried out to ensure that the mower works perfectly.

WORK POSITION

Position the machine on the three points of the tractor and lift the supporting foot-work on the 3rd point to obtain the cutting height required and on the stabilizing chains to obtain the correct gauge.

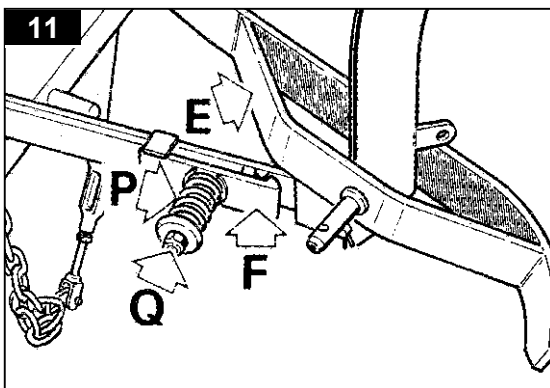
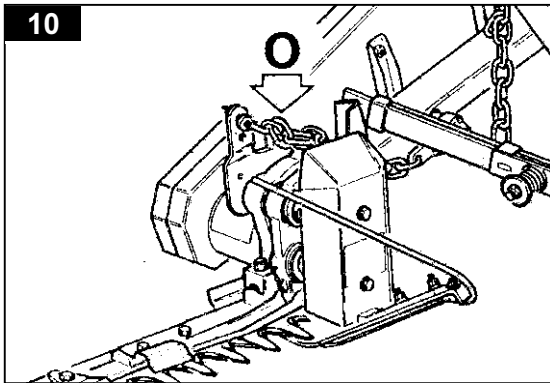
Regulate the lift stroke in such a way as to prevent the cardan shaft working at elevated angulations (maximum of 25° is advanced).

ALWAYS MAKE SURE THAT THE POWER TAKE-OFF IS DISCONNECTED BEFORE WORKING THE LIFT.

10. CHAIN REGULATION

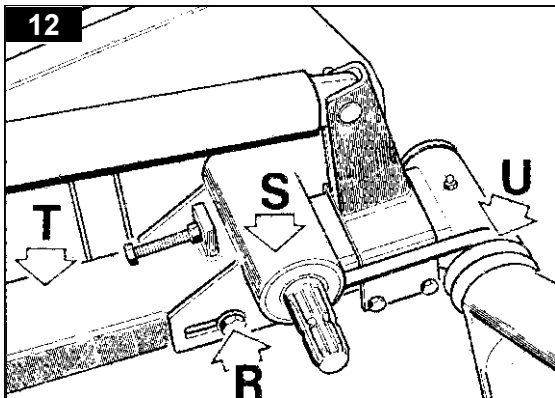
adjust the chain length (Fig.8 Rif.G) to obtain the exact frame position, ensuring that the release device rotates freely without interference in any point when the lift is worked, and the length of the doubletree chain (Rif.O and Fig.9 Rif.6) to obtain an optimum bar lift.

The chain (Fig.9 Rif.6) have already a standard regulation.



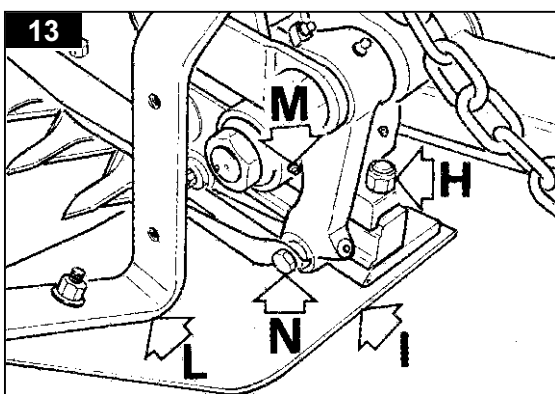
11. SAFETY RELEASE

The machines are provided with a safety release, (Rif.F) set at departure, which permits the bar to rotate backwards in case of impact. Should the release fail to work for causes relative to particular ground, the pressure of spring (Rif.P) should be increased or decreased by means of the self-locking nut (Rif.Q).



12. BELT TENSION

The belt tension should be checked, at least during the first 24 hours of work. to increase the tension loosen the two bolts (Rif.R) and subsequently tighten the appropriate screw, causing the support (Rif.S) to slide on the bracket (Rif.T), after which tighten the lock nut. It is advisable to lighten the spring (Rif.U) when carrying out this operation.

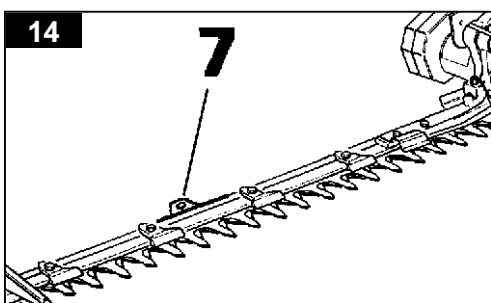


13. LUBRIFICATION

Grease all parts at least every 8 working hours, especially the central (Rif. M). In order to avoid excessive wear it is indispensable to wash the bar with water at the end of any mowing.

14. INCLINATION OF THE BAR:

It is possible to mow with the bar in any inclination (hedges, embankments, ditches etc.).



The mowing-bar must be positioned vertically to the hedges to be cut, keeping it screwed to tie-rod (Fig.9 Rif.1) with handle (Fig.9 Rif.2) in bar hole Ref.7.

In bank cutting it will be necessary to release chain (Fig.10 Rif.O) from bracket (Fig.12 Rif.L) in such a way as not to restrict rotation of the bar. For the model with the hydraulic lift use the existing extension leads.

POWER LIFT (OPTIONAL)

The piston serves exclusively for lifting the bar to a vertical position during transport. Before working, the piston of the machine should be lifted by means of the tractor lift.

Special extension leads are supplied for cutting the borders.

LAYOUT OF THE TABLES

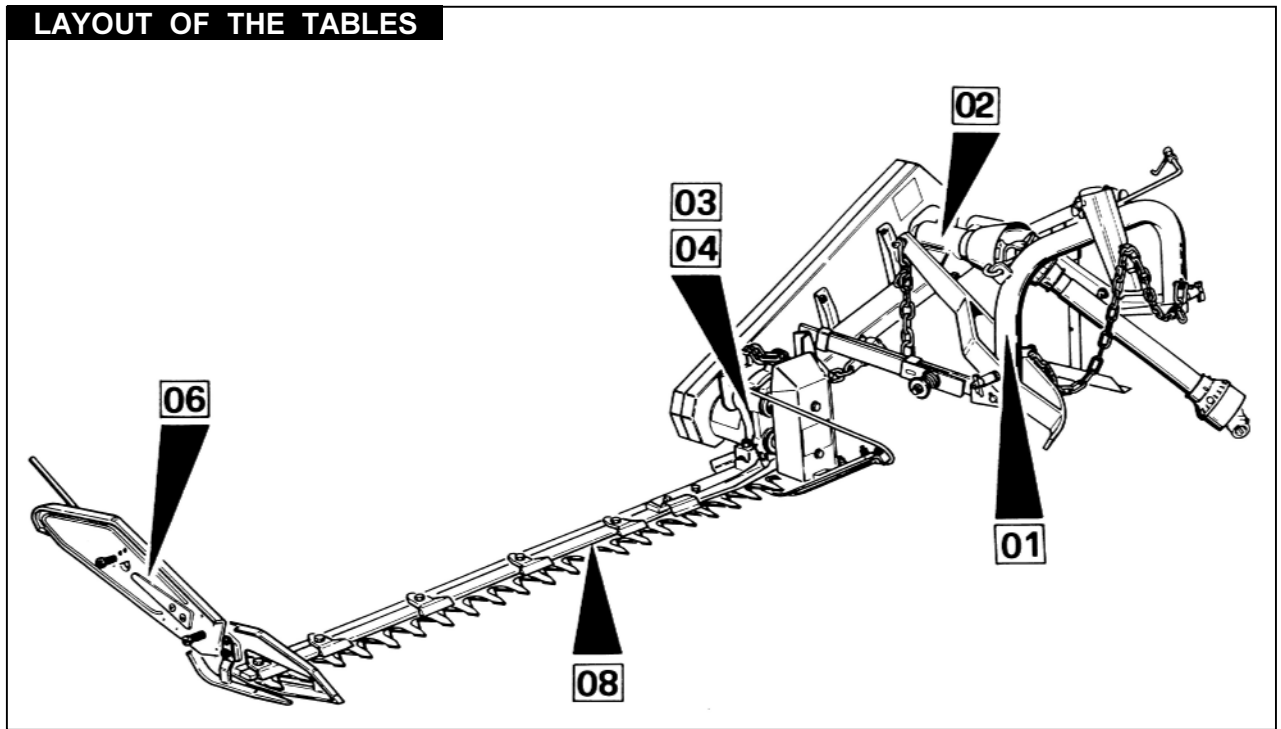
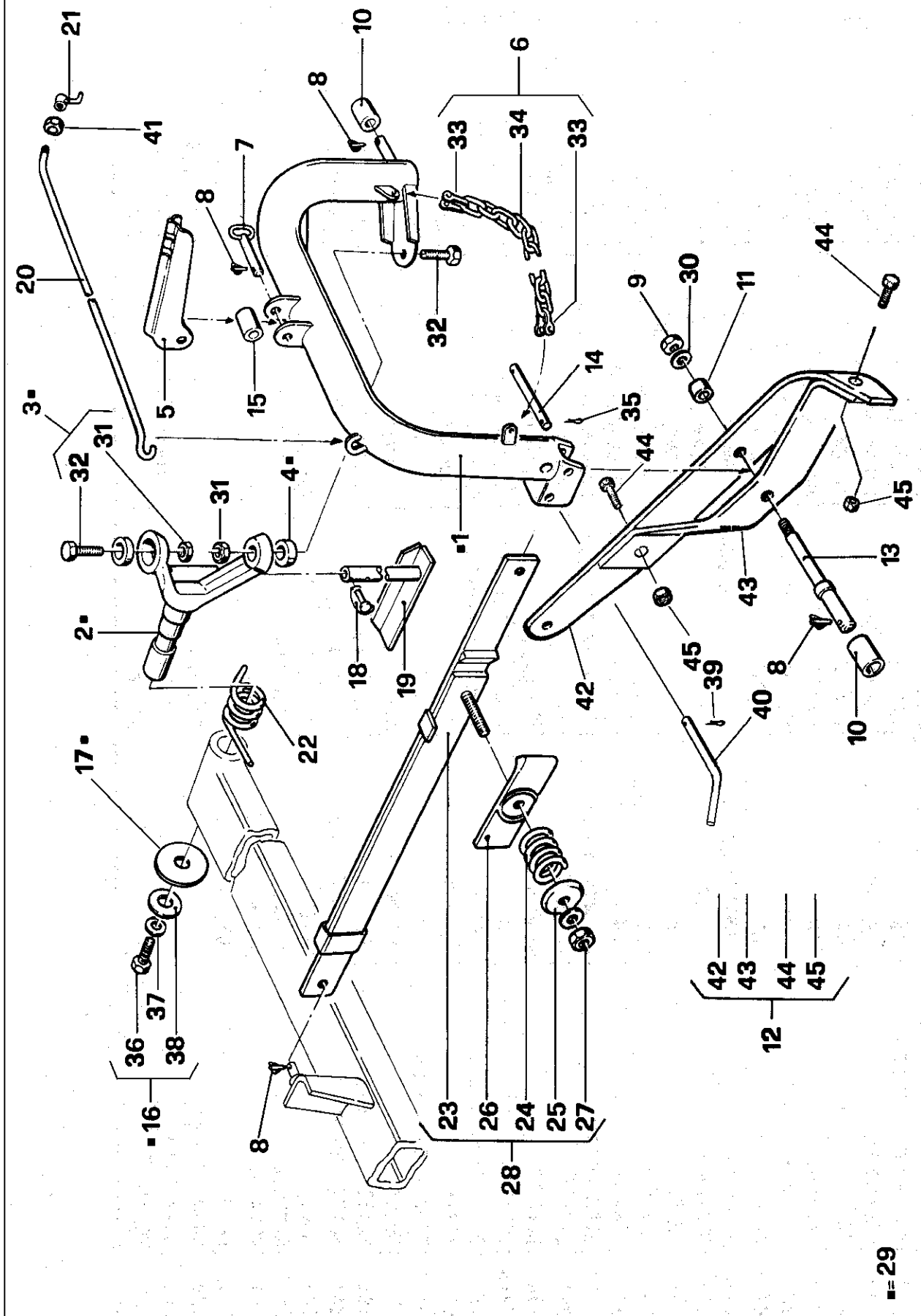


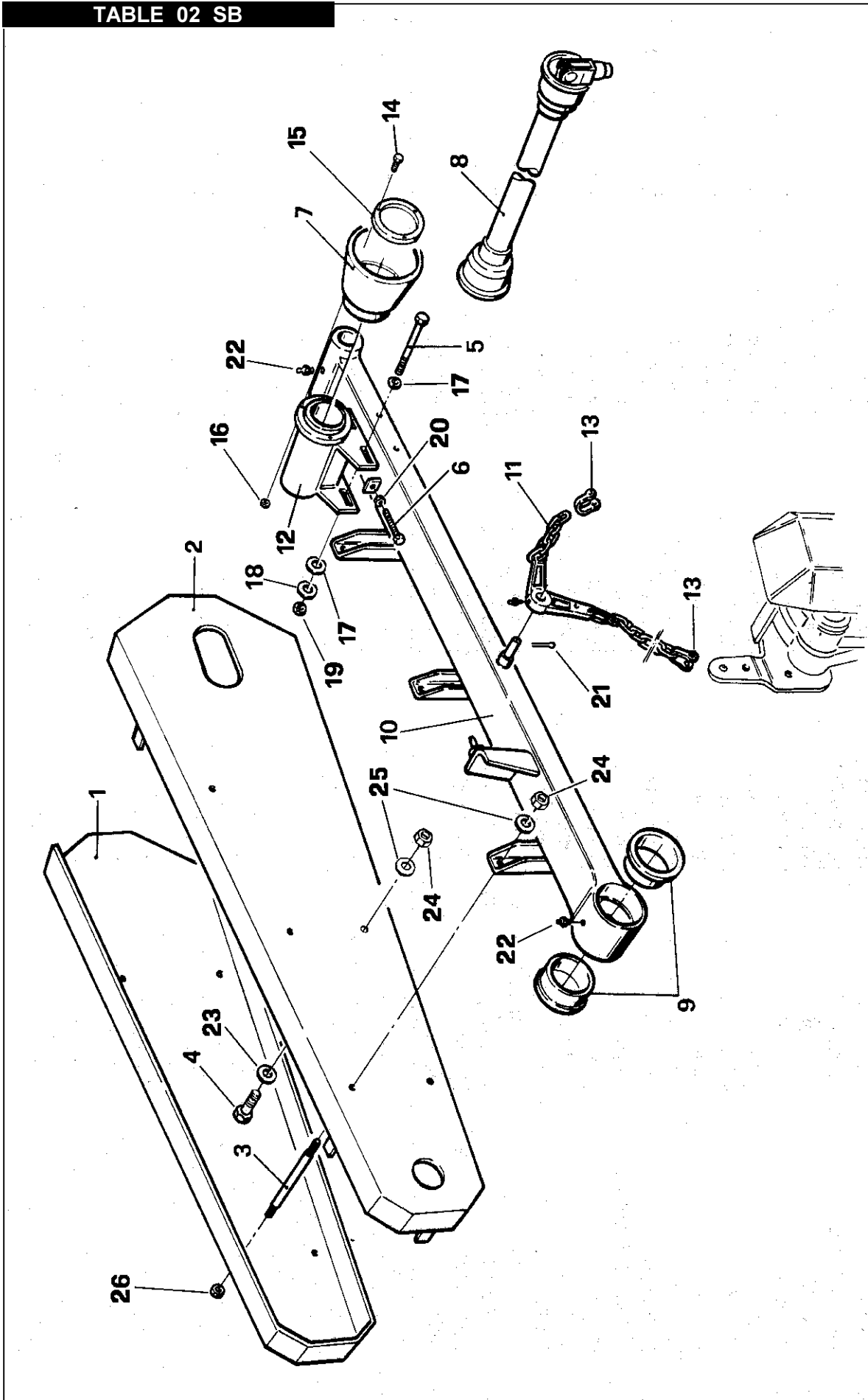
TABLE 01 SB



■=29

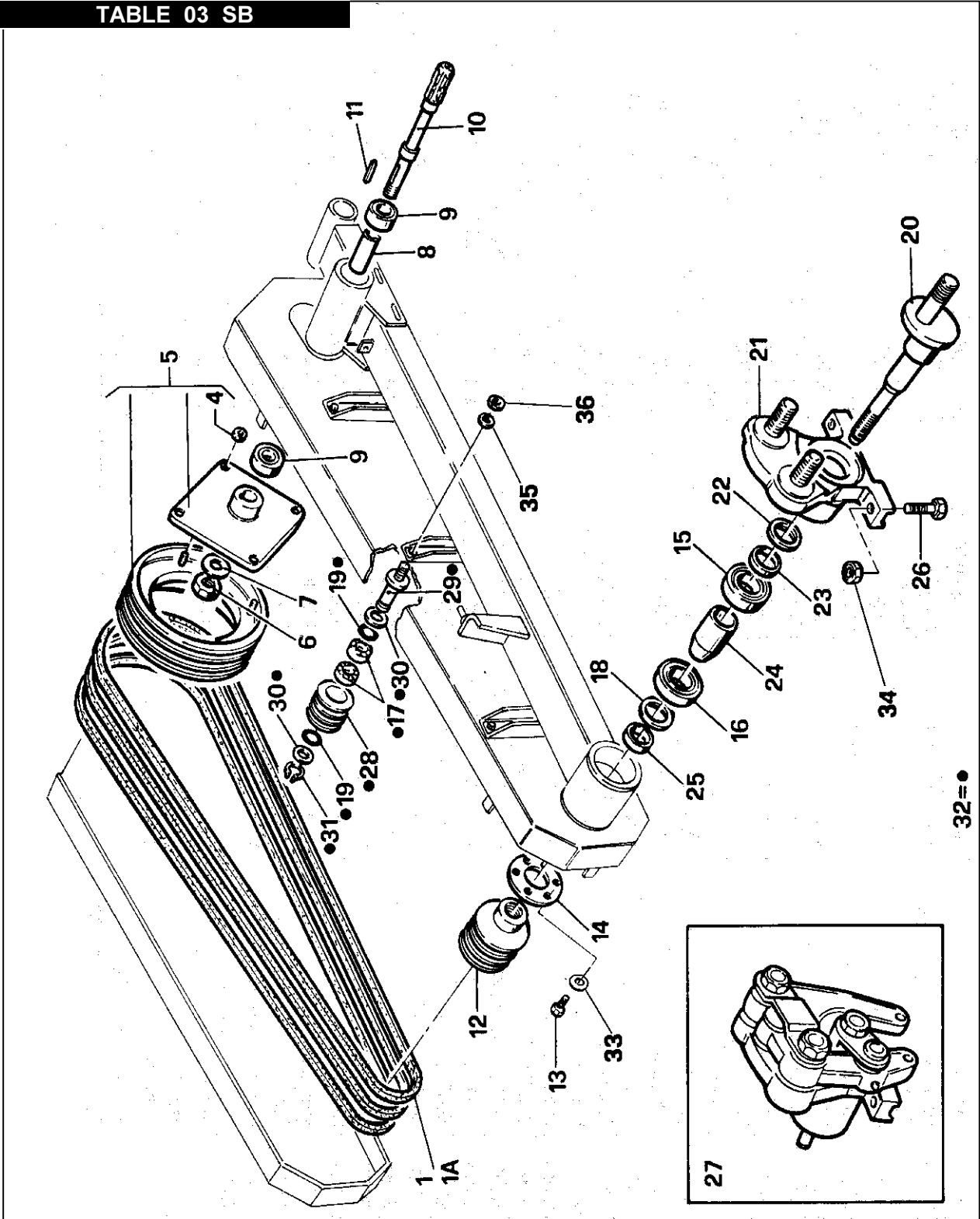
TAB. 01 SB			
ITEM	PART.NO	DESCRIPTION	NOTE
1	100.368	FRAME	
2	100.369	SUPPORT	
3	610.605	BOLT, COMPLETE	
4	100.370	SPACER	
5	100.371	GEAR RACK	
6	100.372	CHAIN, COMPLETE	
7	100.373	PIN	
8	610.606	PIN	
9	600.244	NUT M24x2 DIN 934 CLASS 8	
10	100.374	REDUCER INSERT	
11	100.375	SPACER	
12	100.376	LEVER	
13	100.377	PIN	
14	100.378	PIN	
15	100.379	REDUCER INSERT	
16	610.608	BOLT, COMPLETE	
17	100.380	WASHER	
18	600.842	PIN	
19	100.382	SUPPORT	
20	100.383	TIE ROD	
21	100.518	HANDLE	
22	100.384	SPRING	
23	100.385	ICE SLED	
24	100.387	SPRING	
25	100.388	WASHER	
26	100.389	PLATE	
27	600.197	NUT M16 DIN 982 CLASS 6	
28	100.390	ICE SLED	
29	100.392	FRAME	
30	610.686	WASHER D. 28 UNI 1751A	
31	610.685	SPECIAL NUT	
32	610.684	SCREW M18x1.5x65 DIN 960 CLASS 8.8	
33	610.687	THIMBLE 3/8"	
34	100.516	CHAIN	
35	600.038	SPLIT PIN 6x35 DIN 94	
36	600.616	SCREW M12x35 DIN 933 CLASS 8.8 ZN	
37	600.018	WASHER D. 13 UNI 1751A	
38	600.089	WASHER D. 13 DIN 125A	
39	600.015	PIN	
40	100.517	PIN	
41	600.084	NUT M16 UNI 5587 CLASS 8	
42	100.526	LEVER	
43	100.527	SUPPORT	
44	600.280	SCREW M14 x 45 DIN 933 CLASS 8.8	
45	600.626	NUT M14 DIN 982 CLASS 6	

TABLE 02 SB



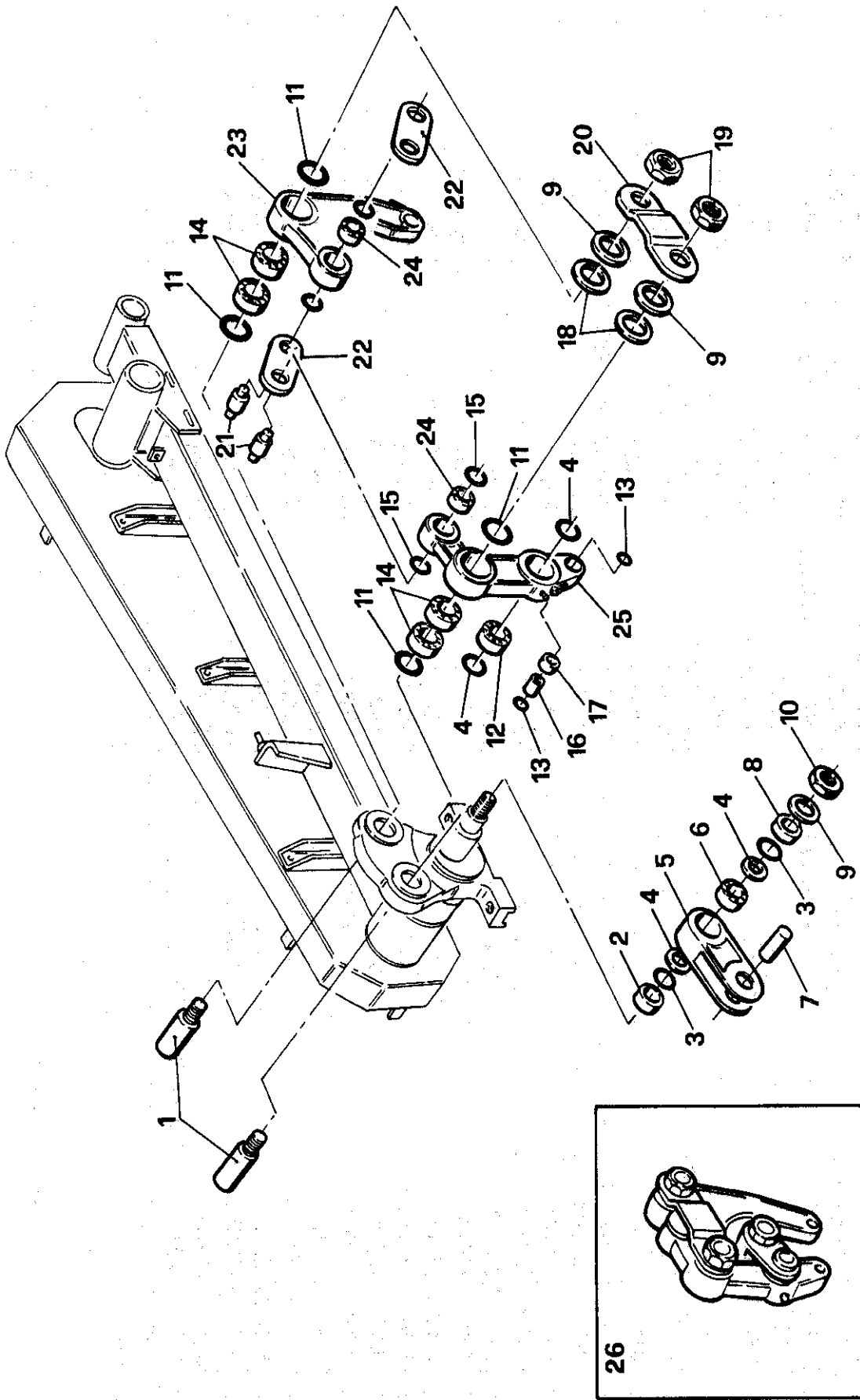
TAB. 02 SB			
ITEM	PART.NO	DESCRIPTION	NOTE
1	100.393	COVER	
2	100.394	CASING	
3	100.395	STUD	
4	600.223	SCREW M8x20 DIN 933 CLASS 8.8	
5	610.612	SCREW M14x140 DIN 931 CLASS 8.8	
6	600.386	SCREW M12x70 DIN 933 CLASS 8.8	
7	610.614	BELLOW	
8	610.172	SHAFT	
9	100.396	BUSH	
10	100.397	FRAME	
11	100.398	ROCHER BRACKET	
12	100.399	SUPPORT	
13	610.118	THIMBLE	
14	600.236	SCREW M6x20 DIN 933 CLASS 4.8	
15	100.519	WASHER	
16	600.472	NUT M6 DIN 980 CLASS 8	
17	600.188	WASHER D. 15 DIN 125A	
18	600.086	WASHER D. 15 UNI 1751A	
19	610.688	NUT M14 UNI 5587 CLASS 8	
20	600.624	NUT M12 UNI 5587 CLASS 8	
21	600.038	SPLIT PIN 6x35 DIN 94	
22	600.034	GREASE NIPPLE M8	
23	600.115	WASHER D. 8.4 DIN 125A	
24	600.229	WASHER D. 8.4 UNI 1751A	
25	600.037	NUT M8 DIN 934 CLASS 8	
26	600.652	NUT M8 DIN 985 CLASS 6	

TABLE 03 SB

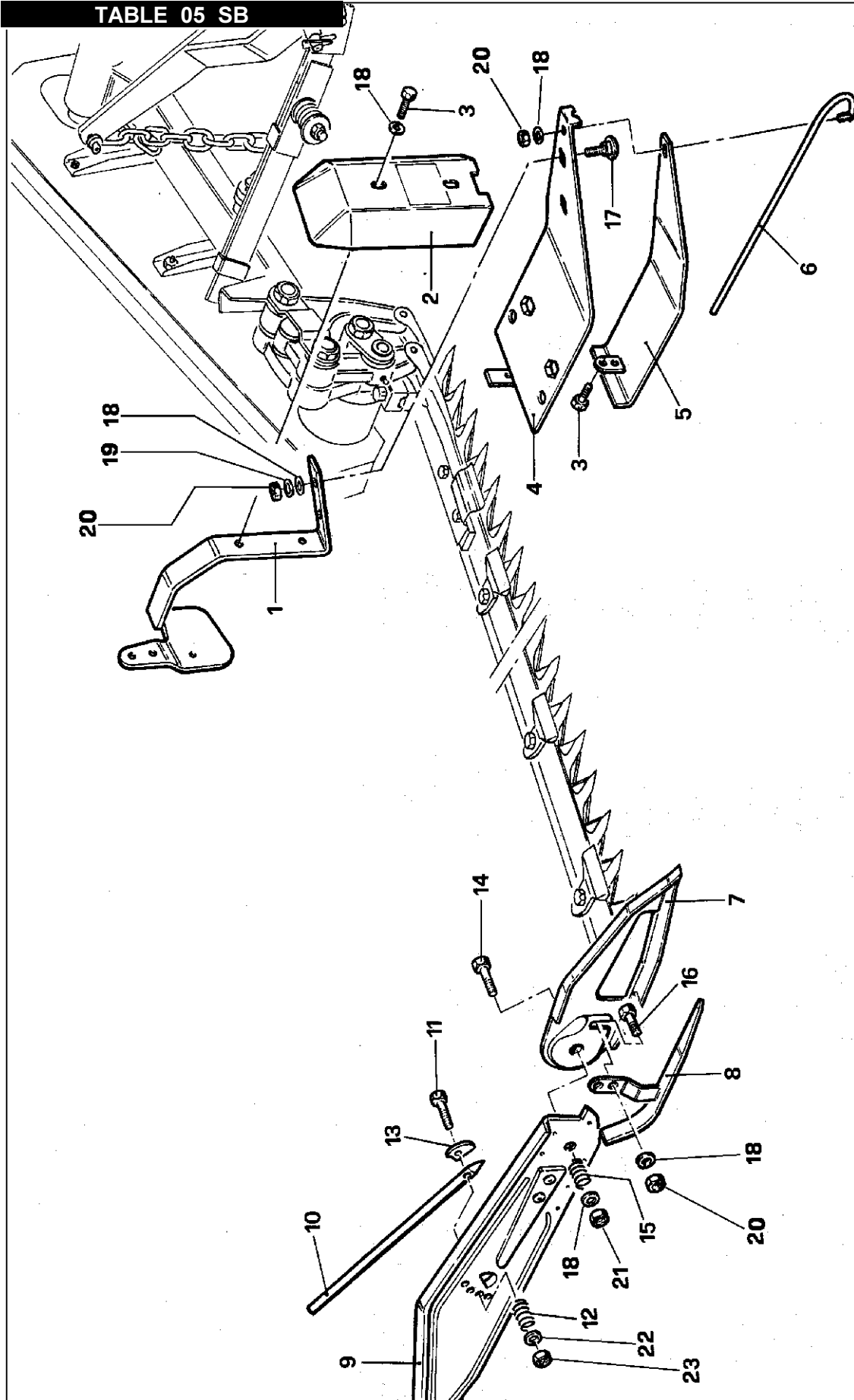


TAB. 03 SB			
ITEM	PART.NO	DESCRIPTION	NOTE
1	610.617	BELT	
4	100.402	SPECIAL NUT	
5	100.403	BELT PULLEY	
6	610.618	SPECIAL NUT	
7	610.619	WASHER	
8	100.404	SPACER	
9	600.608	BEARING 6207 2RS	
10	100.405	SHAFT	
11	610.621	KEY B 8x7x56 DIN 6885	
12	100.406	BELT PULLEY	
13	600.702	SCREW M8x25 DIN 933 CLASS 8.8	
14	100.407	FLANGE	
15	610.623	BEARING NU 2210	
16	610.624	BEARING 6307 2RS	
17	610.625	BALL BEARING 6003 2RS	NEW TYPE
17	610.692	NEEDLE ROLLER BEARING HK 2012	OLD TYPE
18	610.626	CLAMPING WASHER	
19	610.627	CLAMPING WASHER	
20	100.408	SHAFT	
21	100.409	BODY	
22	100.410	RING	
23	100.411	RING	
24	100.412	SPACER	
25	100.413	RING	
26	610.628	SCREW M16x1.5x110 DIN 960 CLASS 8	
27	100.414	BODY	
28	100.415	PULLEY	
29	100.416	PIN	
30	100.417	RING	
31	610.629	SNAP RING E 17 DIN 471	
32	100.418	ROLLER	
33	600.229	WASHER D. 8.4 UNI 1751A	
34	610.691	NUT M16x1.5 DIN 982 CLASS 6	
35	600.086	WASHER D. 15 UNI 1751A	
36	610.690	SPECIAL NUT	

TABLE 04 SB

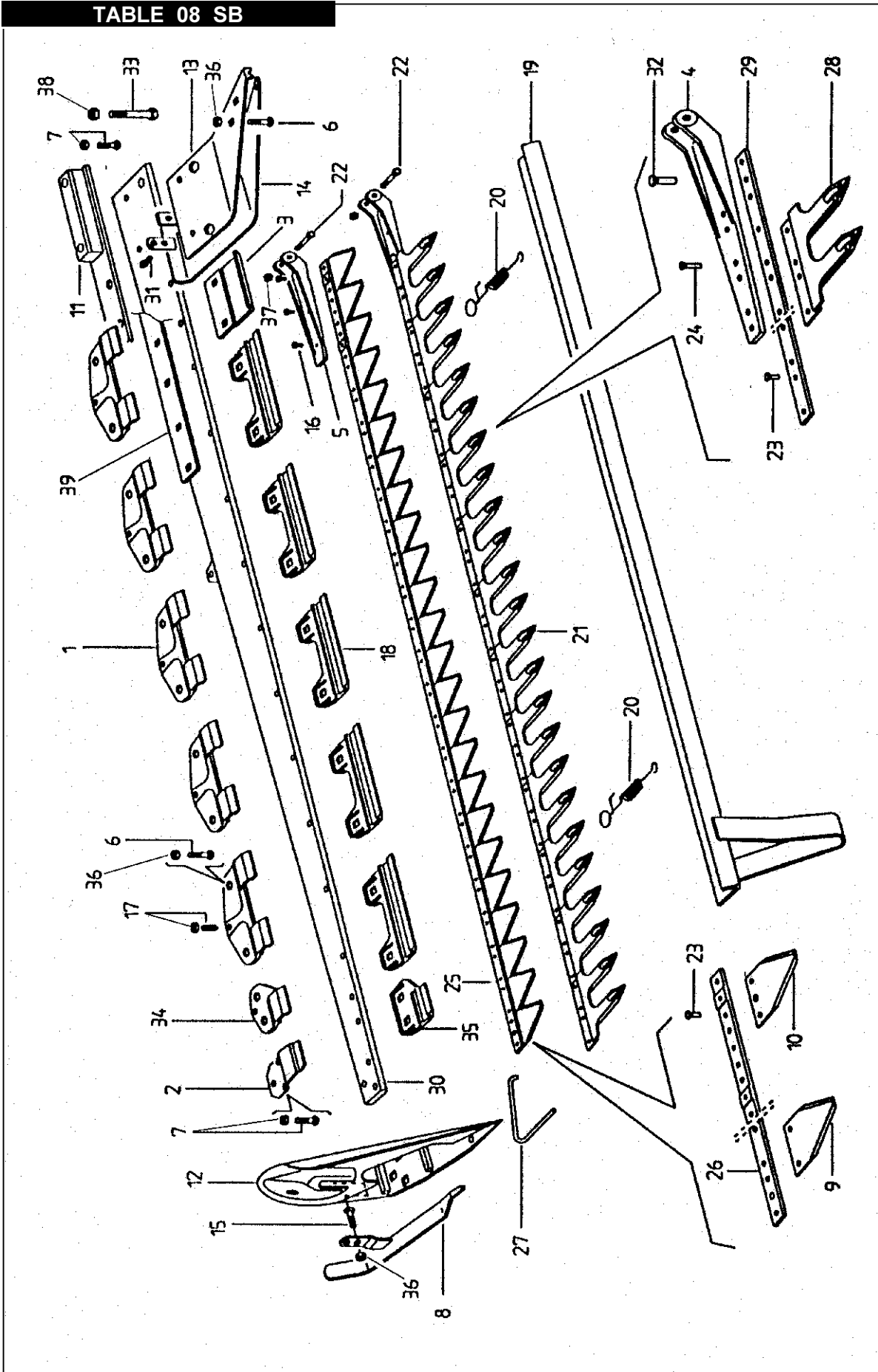


TAB. 04 SB			
ITEM	PART.NO	DESCRIPTION	NOTE
1	100.419	PIN	
2	100.420	SPACER	
3	100.421	WASHER	
4	610.630	CLAMPING WASHER	
5	100.422	ROD	
6	610.631	BEARING NA 6932 AC4	
7	100.423	PIN	
8	100.424	SPACER	
9	100.425	RING	
10	610.632	SPECIAL NUT	
11	610.633	CLAMPING WASHER	
12	610.634	SPECIAL BEARING	
13	610.635	RING	
14	610.636	BEARING HK 4020	
15	100.426	RING	
16	100.427	BUSH	
17	100.428	BUSH	
18	610.637	RING	
19	610.638	SPECIAL NUT	
20	100.429	PLATE	
21	100.430	PIN	
22	100.431	PLATE	
23	100.432	LEVER	
24	610.639	BEARING HK 3026 VAS1	
25	100.433	LEVER	
26	100.434	CONNECT. ROD KIT	

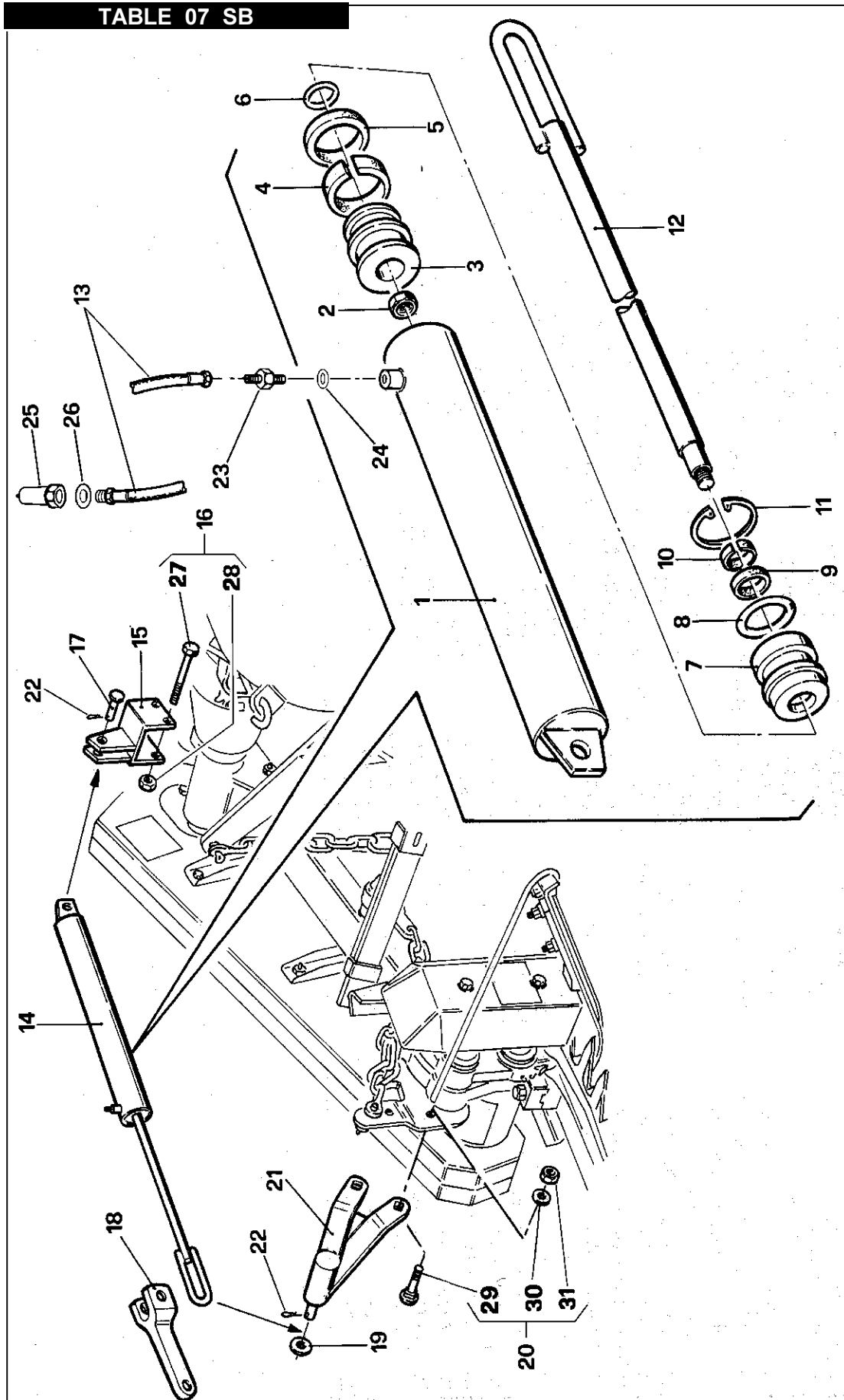


TAB. 06 SB			
ITEM	PART.NO	DESCRIPTION	NOTE
1	100.435	SUPPORT	
2	100.436	CASING	
3	600.770	SCREW M12x20 UNI 5739 CLASS 8.8	
4	100.437	SHOE	
5	100.438	SOLE	
6	100.439	ROD	
7	100.440	SHOE	
8	100.441	SOLE	
9	100.443	OUTER SWATH BOARD	
10	100.445	SWATH STICK	
11	610.641	SCREW M8x70 DIN 603 CLASS 6.8	
12	100.447	SPRING	
13	100.448	FASTENINGS	
14	600.210	SCREW M12x70 UNI 5737 CLASS 8.8	
15	100.449	SPRING	
16	610.643	SPECIAL SCREW	
17	610.644	SPECIAL SCREW	
18	600.089	WASHER D. 13 DIN 125A	
19	600.018	WASHER D. 13 UNI 1751	
20	600.624	NUT M12 UNI 5587 CLASS 8	
21	600.077	NUT M12 DIN 980 CLASS 8	
22	600.115	WASHER	
23	610.693	NUT M8 UNI 7473	

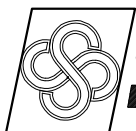
TABLE 08 SB



TAB. 08 SB			
ITEM	PART.NO	DESCRIPTION	NOTE
1	100.459	BLADE HOLDER	
2	100.460	BLADE HOLDER	
3	100.461	GUIDE	
4	100.462	BLADE HEAD	
5	100.463	BLADE HEAD	
6	610.644	SPECIAL SCREW	
7	610.656	SPECIAL BOLT	
8	100.441	SOLE	
9	100.464	SECTION	
10	100.466	SECTION 3 HOLES	
11	100.468	STIFFENER	
12	100.469	OUTER SHOE	
13	100.437	INNER SHOE	
14	100.438	INNER SOLE	
15	610.643	SPECIAL SCREW	
16	610.657	SPECIAL BOLT	
17	610.658	SPECIAL SCREW	
18	100.470	GUIDE	
19	100.592	LINER	SB 150
19	100.472	LINER	SB 165
19	100.473	LINER	SB 180
19	100.474	LINER	SB 210
20	100.475	SPRING	
21	100.593	BLADE 150	
21	100.477	BLADE 165	
21	100.478	BLADE 180	
21	100.479	BLADE 210	
22	610.659	SPECIAL SCREW	
23	100.480	RIVET 5X13	
24	100.481	RIVET 5X22	
25	100.581	BLADE 150	
25	100.483	BLADE 165	
25	100.484	BLADE 180	
25	100.485	BLADE 210	
26	100.589	DRILLER BAR 150	
26	100.487	DRILLER BAR 165	
26	100.488	DRILLER BAR 180	
26	100.489	DRILLER BAR 210	
27	100.490	HAULAGE HOOK	
28	100.491	KNIFE TOOTH	
29	100.590	DRILLER BAR 150	
29	100.493	DRILLER BAR 165	
29	100.494	DRILLER BAR 180	
29	100.495	DRILLER BAR 210	
30	100.591	CUTTER BAR 150	
30	100.497	CUTTER BAR 165	
30	100.498	CUTTER BAR 180	
30	100.499	CUTTER BAR 210	
31	600.770	SCREW M12x20 DIN 933 CLASS 8.8	
32	100.500	RIVET 7X24	
33	610.628	SCREW M16x1.5x110 DIN 960 CLASS 8	
34	100.501	BLADE HOLDER	
35	100.502	GUIDE	
36	600.624	NUT M12 UNI 5587 CLASS 8	
37	600.077	NUT M12 DIN 980 CLASS 8	
38	610.691	NUT M16x1.5 DIN 982 CLASS 8	
39	100.675	REINFORCEMENT PLATE	SB 180/210



TAB. 07 SB			
ITEM	PART.NO	DESCRIPTION	NOTE
1	100.451	CYLINDER BARREL	
2	610.646	NUT	
3	100.453	PISTON	
4 (**)	610.028	RING	
6 (**)	610.029	GASKET	
7	210.288	HEAD	
8 (**)	610.026	GASKET	
9 (**)	610.027	CLAMPING WASHER	
10 (**)	610.025	RING	
12	100.456	STEM	
13	610.437	HOSE	
14	100.344	CYLINDER	
15	100.341	SUPPORT	
16	610.654	BOLT	
17	100.343	PIN	
18	100.342	EXTENSION	
19	600.632	WASHER	
20	610.655	BOLT	
21	100.340	SUPPORT	
22	600.038	SPLIT PIN	
23	600.270	NIPPLES	
24	600.039	COPPER WASHER	
25	600.273	RAPID COUPLING	
26	600.269	COPPER WASHER	
27	610.282	SCREW M10x130 DIN 931 CLASS 8.8	
28	600.029	NUT M10 DIN 980 CLASS 8	
29	610.438	SCREW M12x40 DIN 603 CLASS 6.8	
30	600.634	WASHER D. 12.5 DIN 6798A	
31	600.077	NUT M12 DIN 980 CLASS 8	
*	100.345	KIT COplete (ALL ITEMS TAB.07 SB)	
(**)	600.895	SET OF GASKET	



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