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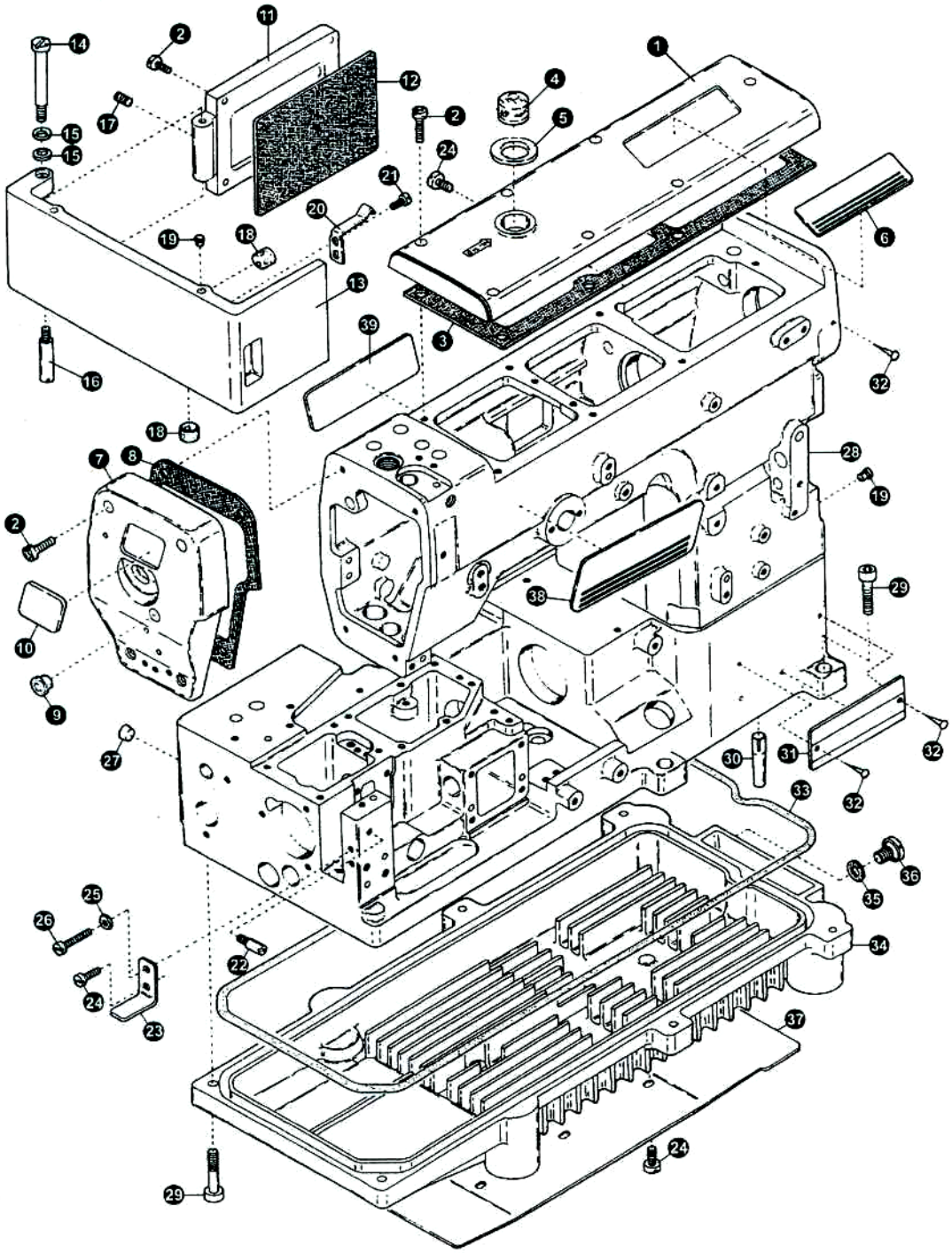

1. MISCELLANEOUS COVERS (1)

No	Ret. No.	Description	Qt
1	110130001	Top cover	1
2	B60401412	Screw	15
3	110130002	Top cover gasket	1
4	043120002	Oil sight window	1
5	043120003	Oil sight window gasket	1
6	110100021	Brand name plate	1
7	110100001	Head cover	1
8	110100002	Head cover gasket	1
9	110100003	Head cover seal plug	9
10	110100020	Brand name plate	1
11	110160002	Bed rear cover	1
12	110160003	Bed rear cover gasket	1
13	110160001	Side cover	1
14	110150003	Screw	1
15	142100014	Conical spring washer	2
16	110150004	Screw	1
17	S150224001	Screw	1
18	110160004	Rubber cush	2
19	110150005	Rubber cushion	2
20	110160005	Cover latch spring	1
21	S120203031	Screw	2
22	110500022	Screw	1
23	110100004	Side cover holder	1
24	S120203037	Screw	5
25	S120503041	Nut	1
26	S120203041	Screw	1
27	110100026	Seal plug	1
28	110110000	Machine frame unit	1
29	S150225001	Screw	6
30	110100013	Machine frame supporting bar	4
31	110100028	Model plate	1
32	S150340001	Rivet	3
33	11030002	Oil reservoir gasket	1
34	110310001	Oil reservoir gasket	1
35	110310004	Drain hole seal	1
36	028700026	Screw	1
37	110310005	Wind guide plate	1
38	110100022	Brand name plate	1
39	110100023	Brand name plate	1

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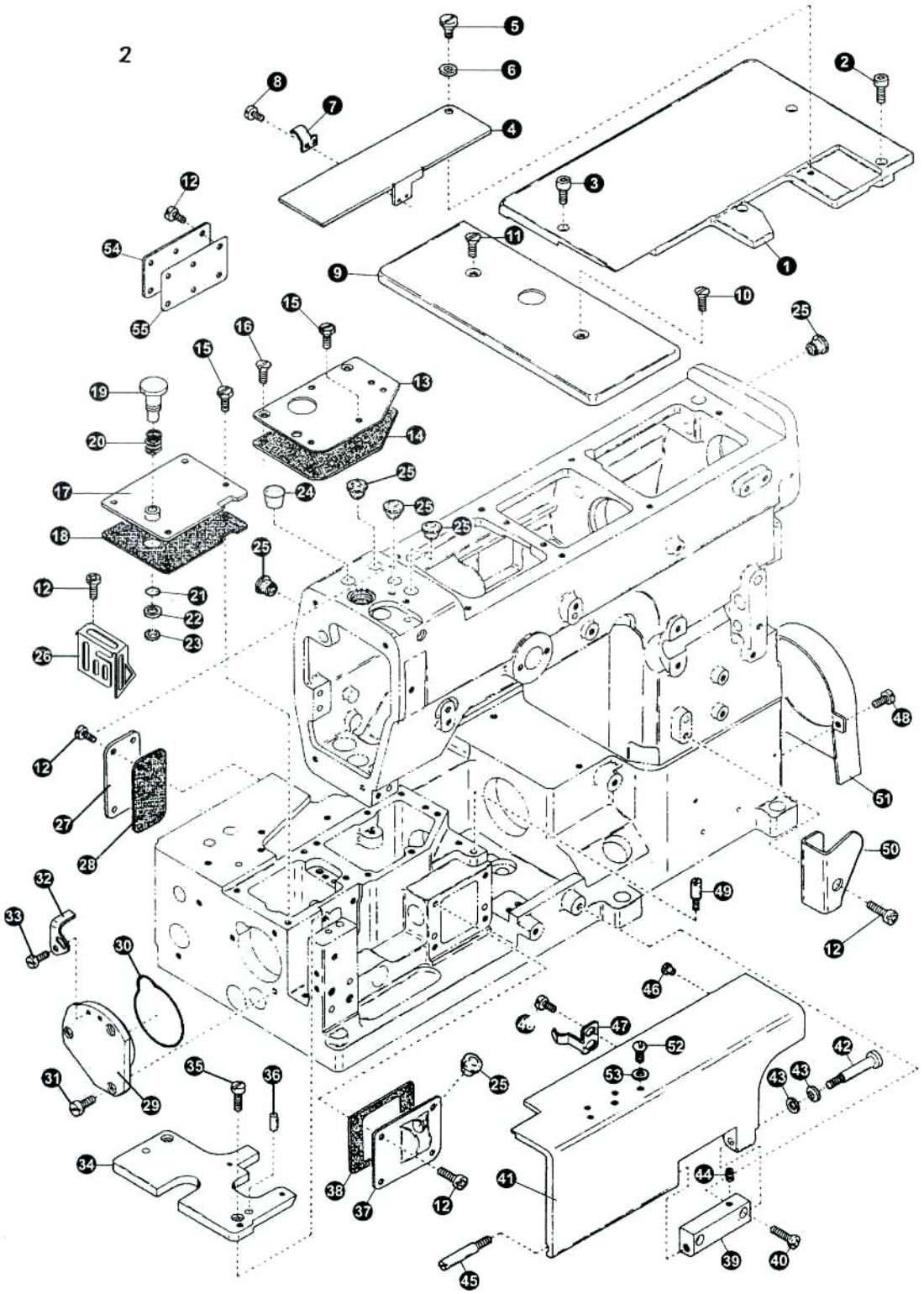
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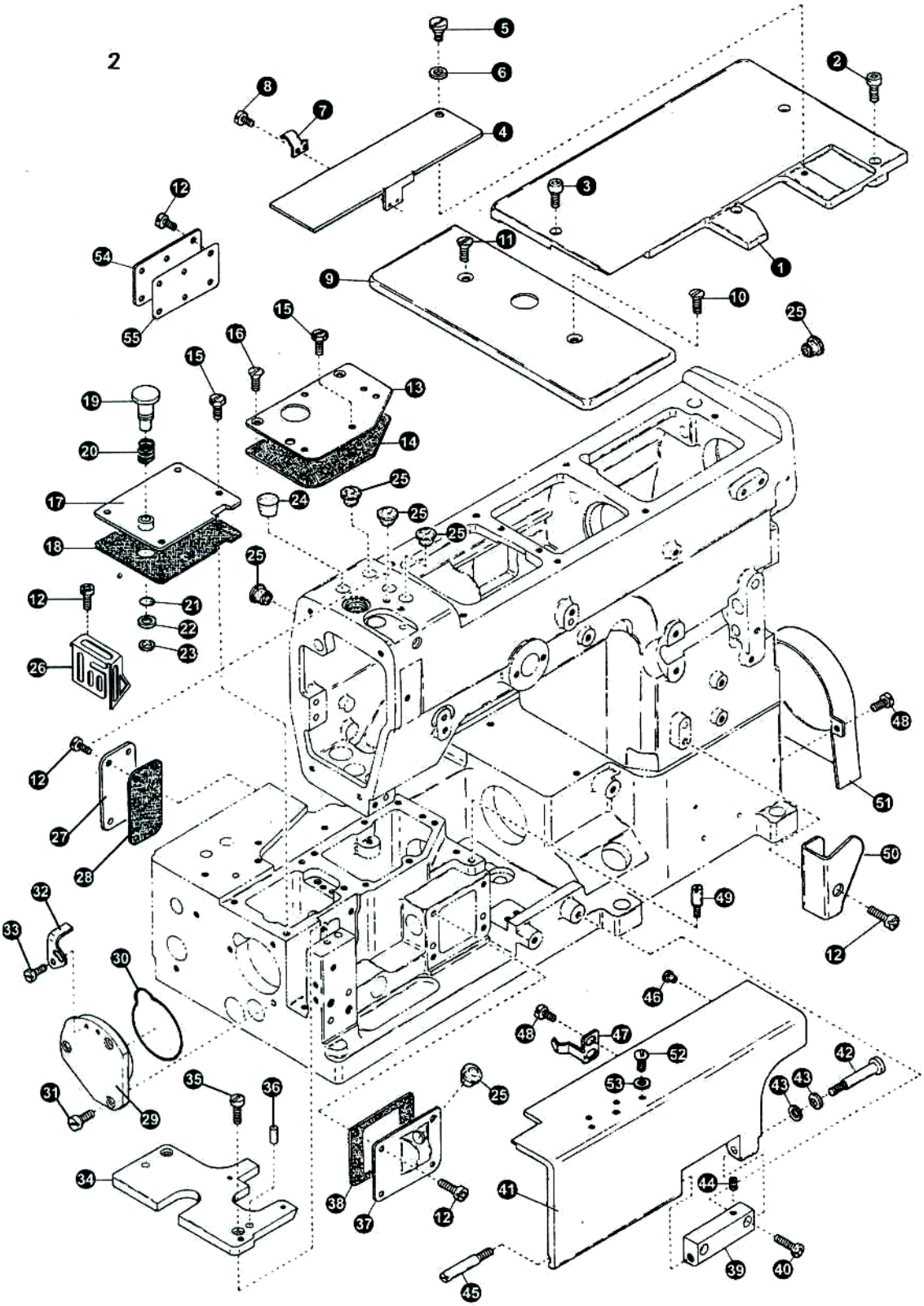
2. MISCELLANEOUS COVERS (2)

No	Ret. No.	Description	Qt
1	1101000015	Cloth plate	1
2	S150220003	Screw	3
3	S150220010	Screw	1
4	110170001	Looper thread take -up cover	1
5	110100019	Screw	1
6	142100014	conical spring washer	1
7	110170002	Take -up cover spring	1
8	S150217005	Screw	2
9	110100005	Cloth plate (small)	1
10	S150218005	Screw	1
11	S150218004	Screw	1
12	B62400812	Screw	17
13	110100007	bed top cover (right)	1
14	110100008	bed top cover(right) gasket	1
15	S150204001	Screw	8
16	S120205003	Screw	2
17	110411000	bed top cover (left)	1
18	11040001	bed top cover(left) gasket	1
19	110410001	Feed regulating pushbutton	1
20	110410002	Feed regulating pushbutton spring	1
21	S4A0604005	O -ring	1
22	110410003	Washer	1
23	S4B1202008	Retaining ring	1
24	110100026	Seal plug	1
25	110100003	Seal plug	6
26	110200025	Needle bar guard	1
27	110100011	Bed rear cover (small)	1
28	110100012	Bed rear coved small) gasket	1
29	110500012	Ball bearing housing	1
30	110500013	O -ring	1
31	B62401012	Screw	3
32	110500014	Pushbutton stop	1
33	S120203031	Screw	2
34	11010006	Stitch plate support	1
35	B62401012	Screw	2
36	S150435001	Knock pin(A5 x12)	2
37	110100009	Bed front cover	1
38	110100010	Bed front cover gasket	1
39	110150002	Front cover hinge	1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2. MISCELLANEOUS COVERS (2)

No	Ret. No.	Description	Qt
40	S150237004	Screw	2
41	110150001	Front cover	1
42	110150003	Screw	1
43	142100014	Conical spring washer	2
44	S150224001	Screw	1
45	110150004	Screw	1
46	110150005	Rubber cushion (small)	2
47	110150006	Front cover spring	1
48	S120203031	Screw	4
49	110500022	Screw	1
50	110100021	Eyelet cover	1
51	110100014	Oil cooling fan cover	1
52	110150007	Screw	2
53	110150008	Washer	2
54	110100016	Rear cover	1
55	110100017	Rear cover gasket	1

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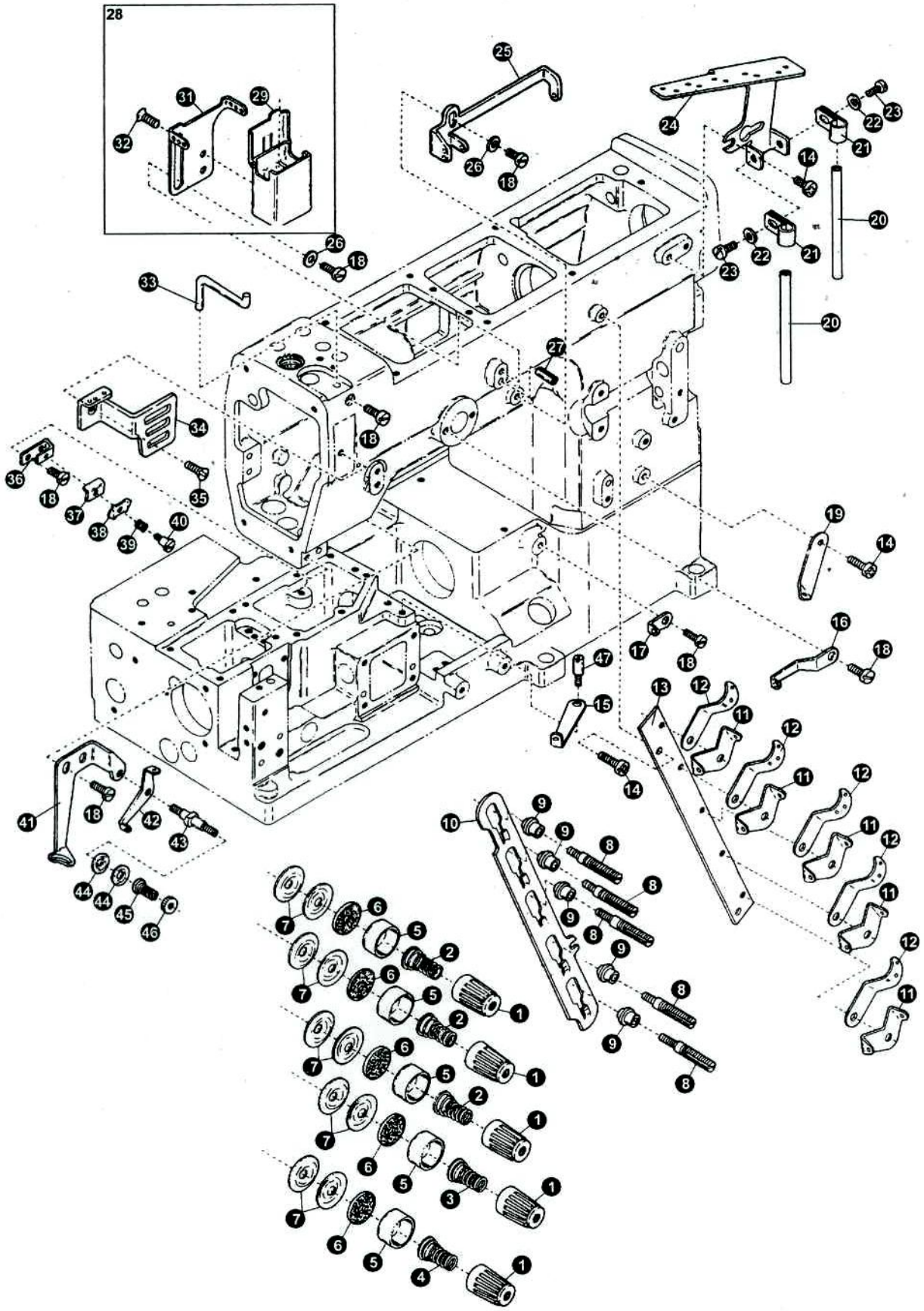
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3. MISCELLANEOUS THREAD EYELETS

No	Ret. No.	Description	Qt
1	028283005	Thread tension spring cap	5
2	028283001	Needle thread tension spring	2
3	028283002	Top cover thread spring	1
4	028283002	Loop thread tension spring	1
5	1102h0005	Thread tension spring retainer	5
6	028283007	Felt	5
7	022160005	Tension disc	8
8	1102h0003	Tension post	5
9	1102h0004	Tension post ferrule	5
10	1102h0002	Tension disc separator	1
11	116200016	Tension disc eyelet	5
12	116200015	Thread lead -in guide	5
13	1102h0001	Tension post support	1
14	B62400812	Screw	5
15	110500019	Looper thread eyelet	1
16	110200019	Top cover thread eyelet(left)	1
17	116200006	Looper thread eyelet	1
18	B62400812	Screw	9
19	110500020	Looper thread eyelet (long)	1
20	116250003	Thread eyelet pipe (short)	2
21	116250002	Thread eyelet pipe stay	2
22	SFB0601008	Washer	2
23	B62400812	Screw	2
24	116250001	Thread guide plate	1
25	110200027	Top cover thread eyelet(right)	1
26	S8A3103003	Washer	2
27	110100027	Guide pin	1
28	1102K0000	SP Device complete set	1
29	1102K0001	SP Container	1
30	1102K0004	Felt	1
31	1102K0002	Needle thread eyelet	1
32	S150241001	Screw	2
33	110200026	Needle thread guade	1
34	110200009	Needle thread eyelet	1
35	S150218005	Screw	1
36	110260004	Needle thread retainer support	1
37	110260003	Thread retainer disc support	1
38	110260001	Needle thread retaine rdicer	1
39	110260005	Needle thread retaine spring	1

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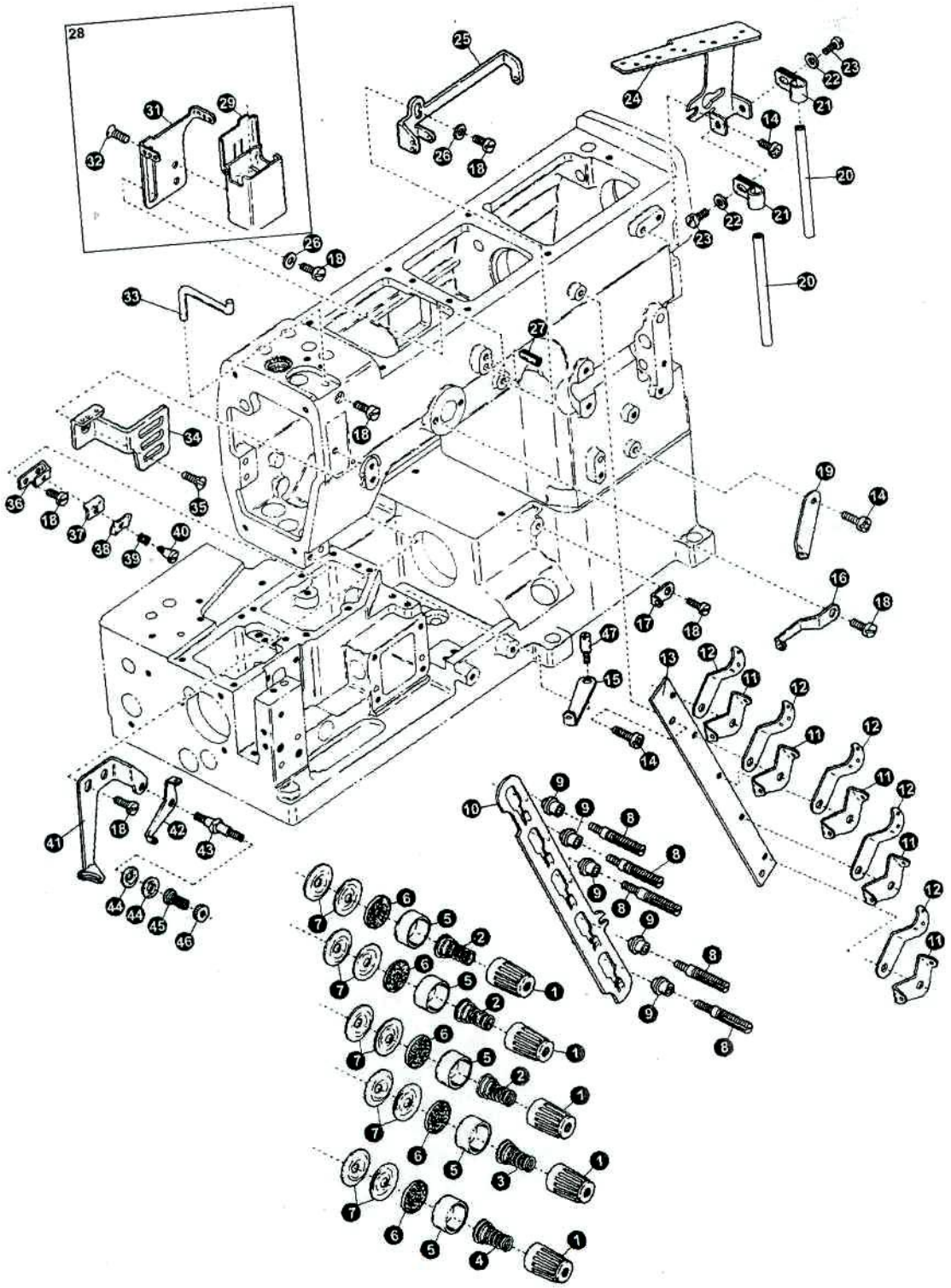
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3. MISCELLANEOUS THREAD EYELETS

No	Ret. No.	Description	Qt
40	110260002	Screw	1
41	1102C0001	Top cover thread guide	1
42	1102C0002	Supple mentary thread guide	1
43	116200018	tension post	1
44	008200068	Supple mentary tension disc	2
45	008200067	Supple mentary tension spring	1
46	008200088	Nut	1
47	110500022	Screw	1

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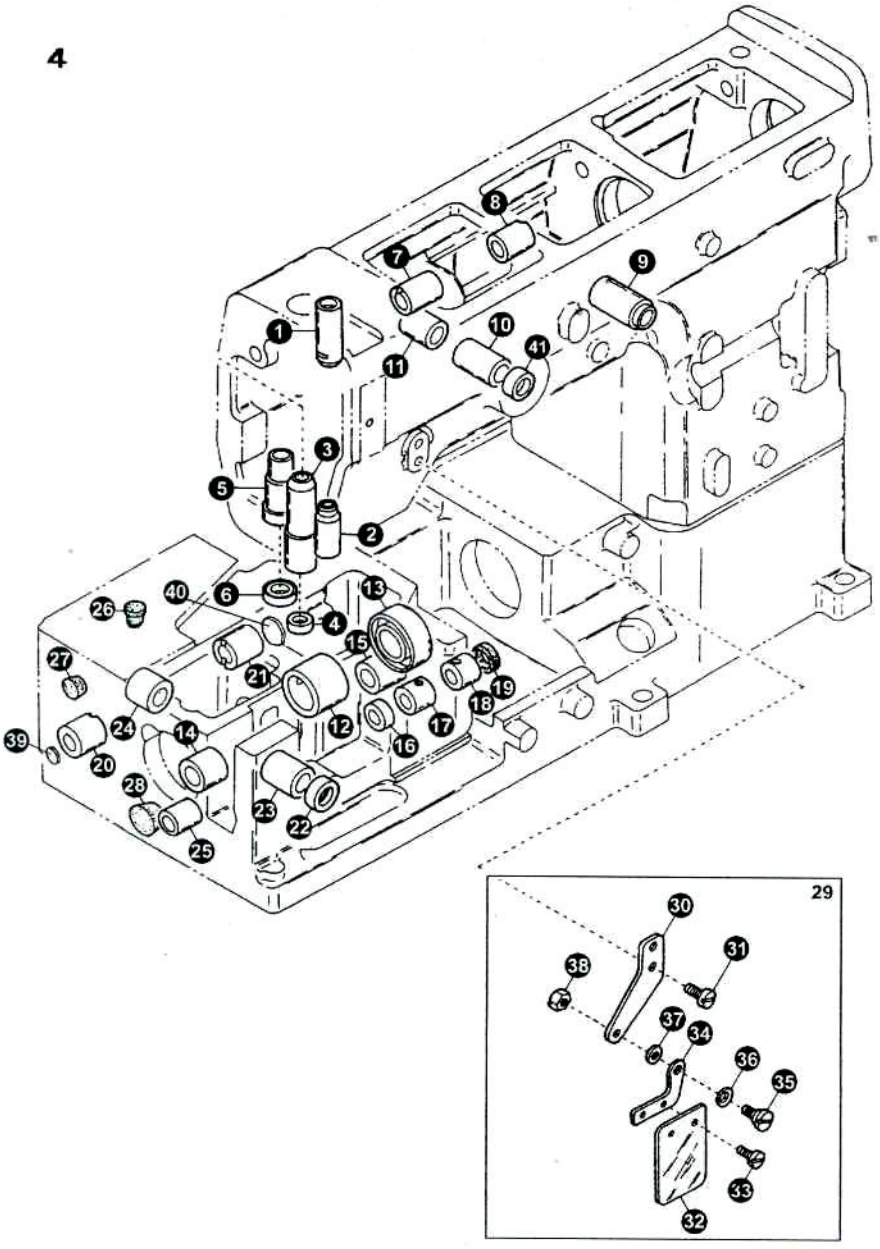
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4. MISCELLANEOUS BUSHINGS & EYE GUARD

No	Ret. No.	Description	Qt
1	110200002	Needle Bar Bushing(upper)	1
2	110200003	Needle Bar Bushing(lower)	1
3	110600007	Presser bar bushing	1
4	110600005	Oil seal	1
5	110200018	Spreader driving bar bushing	1
6	008600015	Oil seal	1
7	110200016	Spreader driving shaft bushing (left)	1
8	110200017	Spreader driving shaft bushing (right)	1
9	11060009	Foot lifter lever bushing	1
10	11020008	Needle thread take -up bushing(front)	1
11	110200007	Needle thread take -up bushing(rear)	1
12	110500004	Lower shaft bushing (left)	1
13	1105E0000	Oil seal	1
14	110500017	Looper rocker shaft bushing(left)	1
15	110500016	Looper rocker shaft bushing (right)	1
16	110500024	Oil seal	1
17	11050008	Looper driving shaft bushing (front)	1
18	110500009	Looper driving shaft bushing (rear)	1
19	110500025	Seal plug	1
20	110400004	Feed bar driving shaft bushing (left)	1
21	110400003	Feed bar driving shaft bushing (right)	1
22	110500023	Oil seal	1
23	110400004	Looper driving shaft bushing (front)	1
24	110400003	Looper driving shaft bushing (read)	1
25	110400017	Differential lever shaft bushing	1
26	110100003	Seal plug	1
27	110100026	Seal plug	1
28	110100031	Seal plug	1
29	110140000	Eye guard complete set	1
30	110140002	Eye guard support	1
31	S150215002	Screw	1
32	116120001	Eye guard	1
33	S120203013	Screw	2
34	110140001	Eye guard holder	1
35	110100019	Screw	1
36	142100014	Conical spring washer	1
37	SFB0601008	Washer	1
38	S120501003	Nut	1
39	110100029	Seal plug	1
40	110100030	Seal plug	1
41	110280000	Oil seal	1

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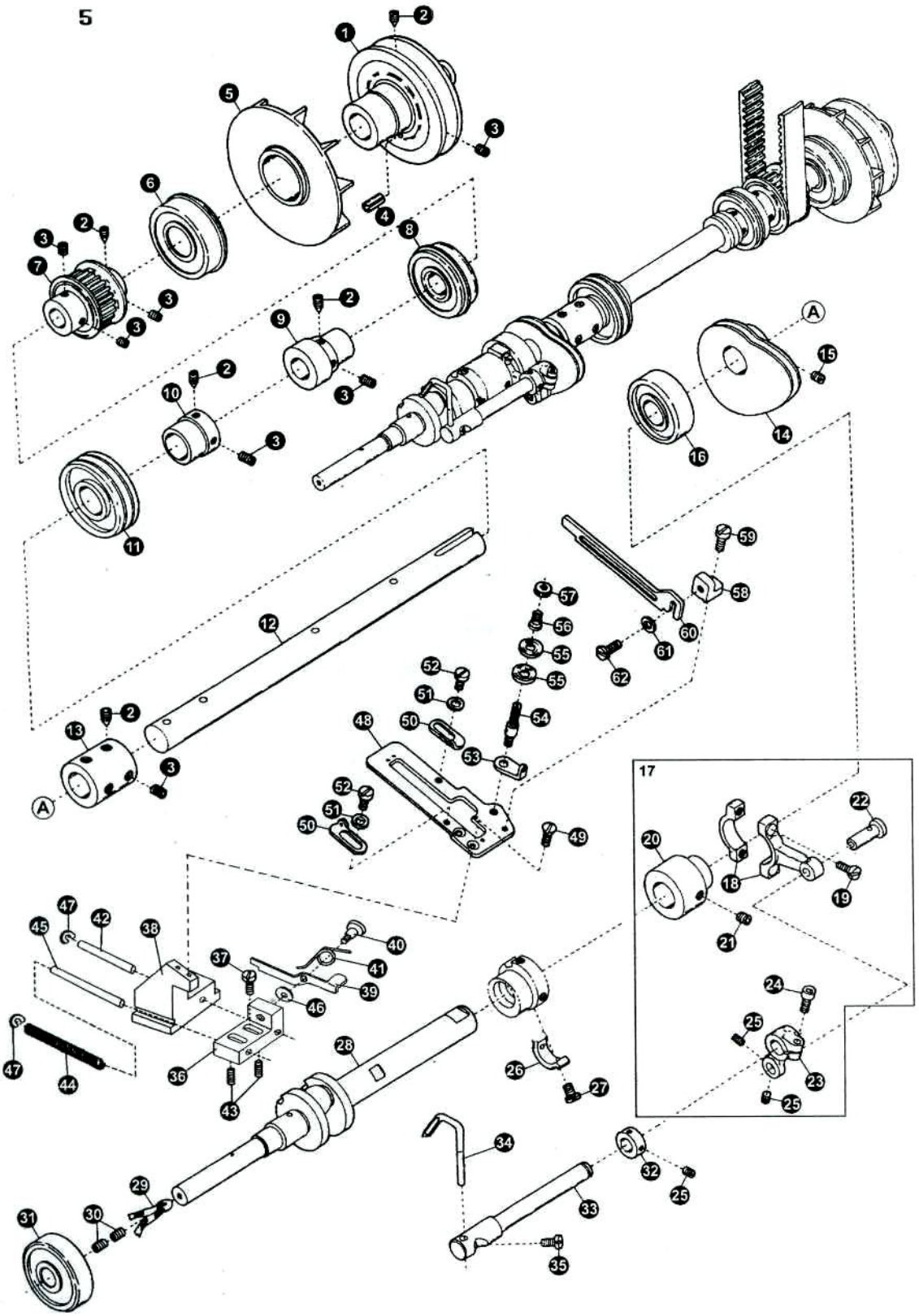
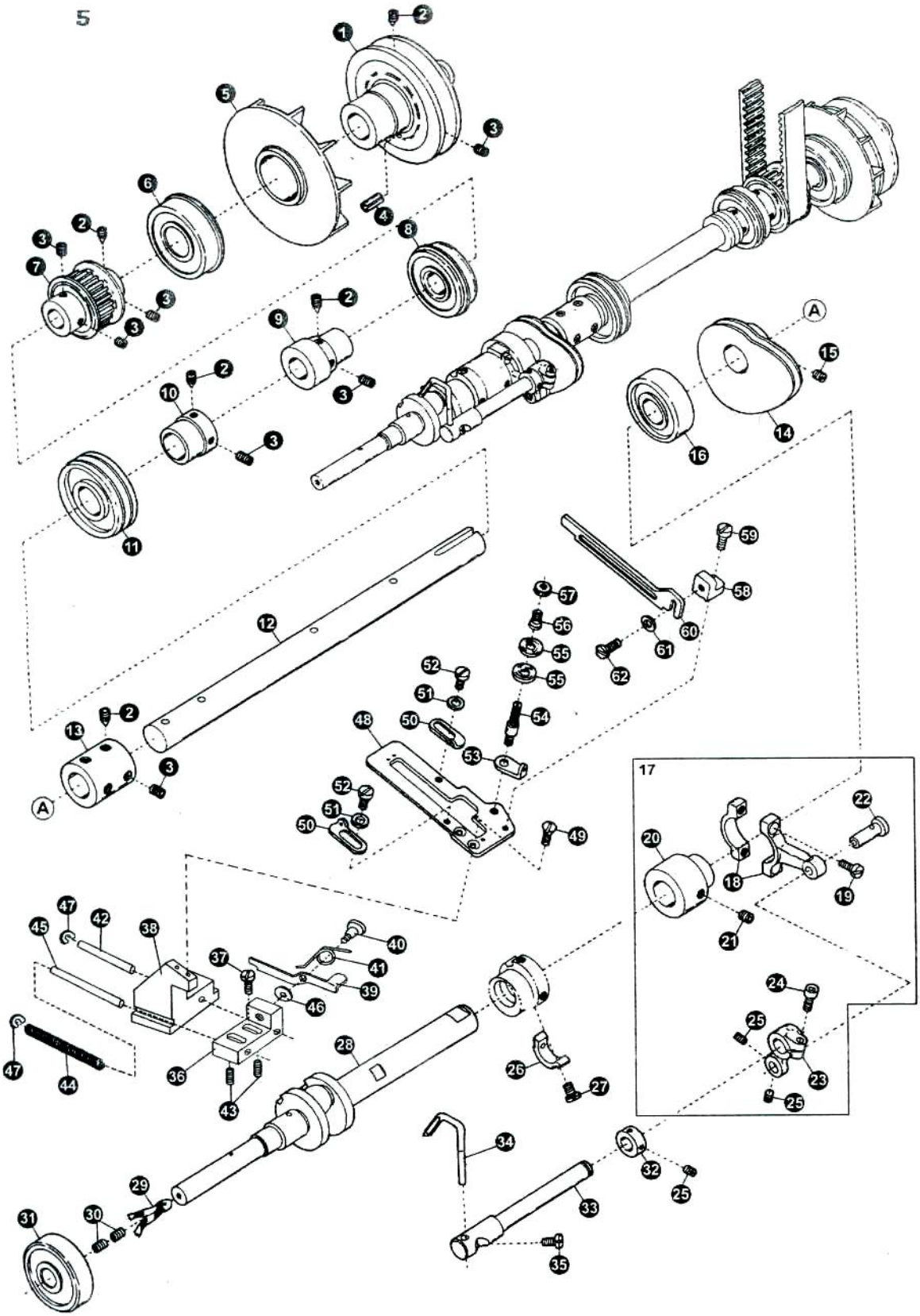


5. MAIN SHAFT DRIVING MECHANISM

No	Ret. No.	Description	Qt
1	110510001	Pulley	1
2	S150225001	Screw	5
3	S150224003	Screw	9
4	S150446008	Roll pin	1
5	110500001	Oil cooling fan	1
6	S150866007	Ball bearing (right)	1
7	110520000	Main shaft sprocket (lower)	1
8	S150866006	Ball bearing (middle)	1
9	110320001	Oil pump driving worm	1
10	1102F0001	Adapter	1
11	S150866013	Ball bearing (left)	1
12	110500002	Lower shaft (right)	1
13	110530001	Lower shaft joint	1
14	110540000	Looper thread take -up	1
15	S120210035	Screw	2
16	S150866011	Ball bearing	1
17	110550000	Needle guard connecting rod, C set	1
18	110550001	Needle guard connecting rod	1
19	BS30007	Screw	2
20	110550002	Needle guard eccentric	1
21	B12500532	Screw	2
22	110550003	Connecting rod pin	1
23	110550004	Needle guard diving shaft arm	1
24	S150220015	Screw	1
25	S120203015	Screw	4
26	110500011	Counterweight	1
27	B60300612	Screw	2
28	110500003	Lower crankshaft	1
29	110300001	Oil wick	1
30	B12400432	Screw	2
31	S150866012	Ball bearing	1
32	110500006	Collar	1
33	110500005	Needle guard driving shaft	1
34	110500007	Needle guard (rear)	1
35	SFB0201002	Screw	1
36	110560007	Guide shaft holder	1
37	B62400612	Screw	2
38	110560006	Supporting plate stay (lower)	1
39	110560008	Lever	1
40	110560009	Screw	1
41	110560010	Spring	1
42	110560011	Guide shaft	1
43	S120210017	Screw	2
44	110560012	Spring	1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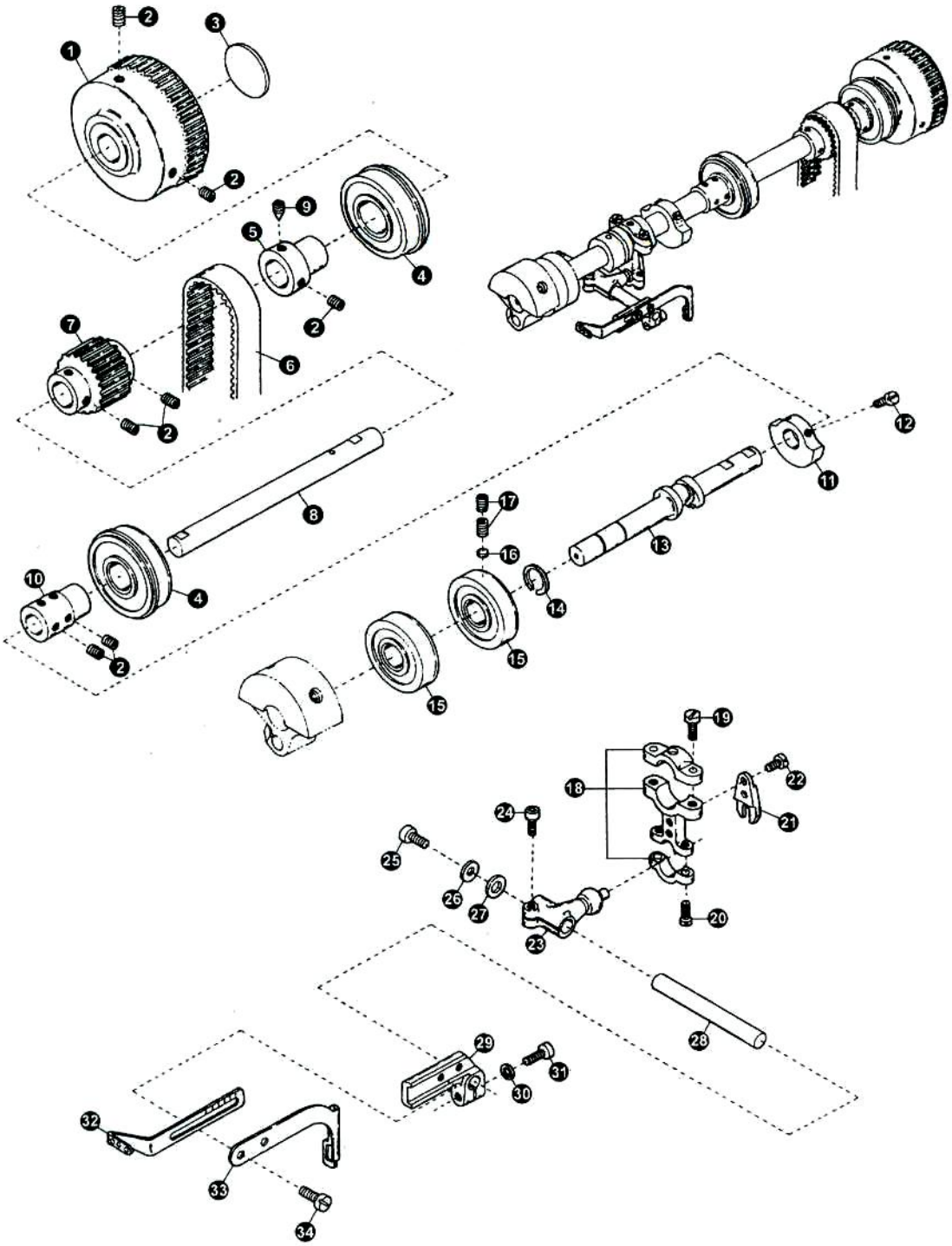
5. MAIN SHAFT DRIVING MECHANISM

No	Ret. No.	Description	Qt
45	110560013	Guide shaft	1
46	SFB0601025	Washer	1
47	S4B1202008	Split retaining ring	2
48	110560001	Supporting plate	1
49	S150218006	Screw	2
50	110560004	Thread take - up eyelet	2
51	110560005	Washer	2
52	S120203003	Screw	2
53	116200006	Looper thread every	1
54	116200018	Tension post	1
55	008200068	Supple mentary tension disc	2
56	008200067	Supple mentary tension spring	1
57	008200088	Adjusting nut	1
58	110560002	Cast - off plate bracket	1
59	S120203013	Screw	1
60	110560003	Cast -off plate	1
61	008540001	Washer	1
62	S120104004	Screw	1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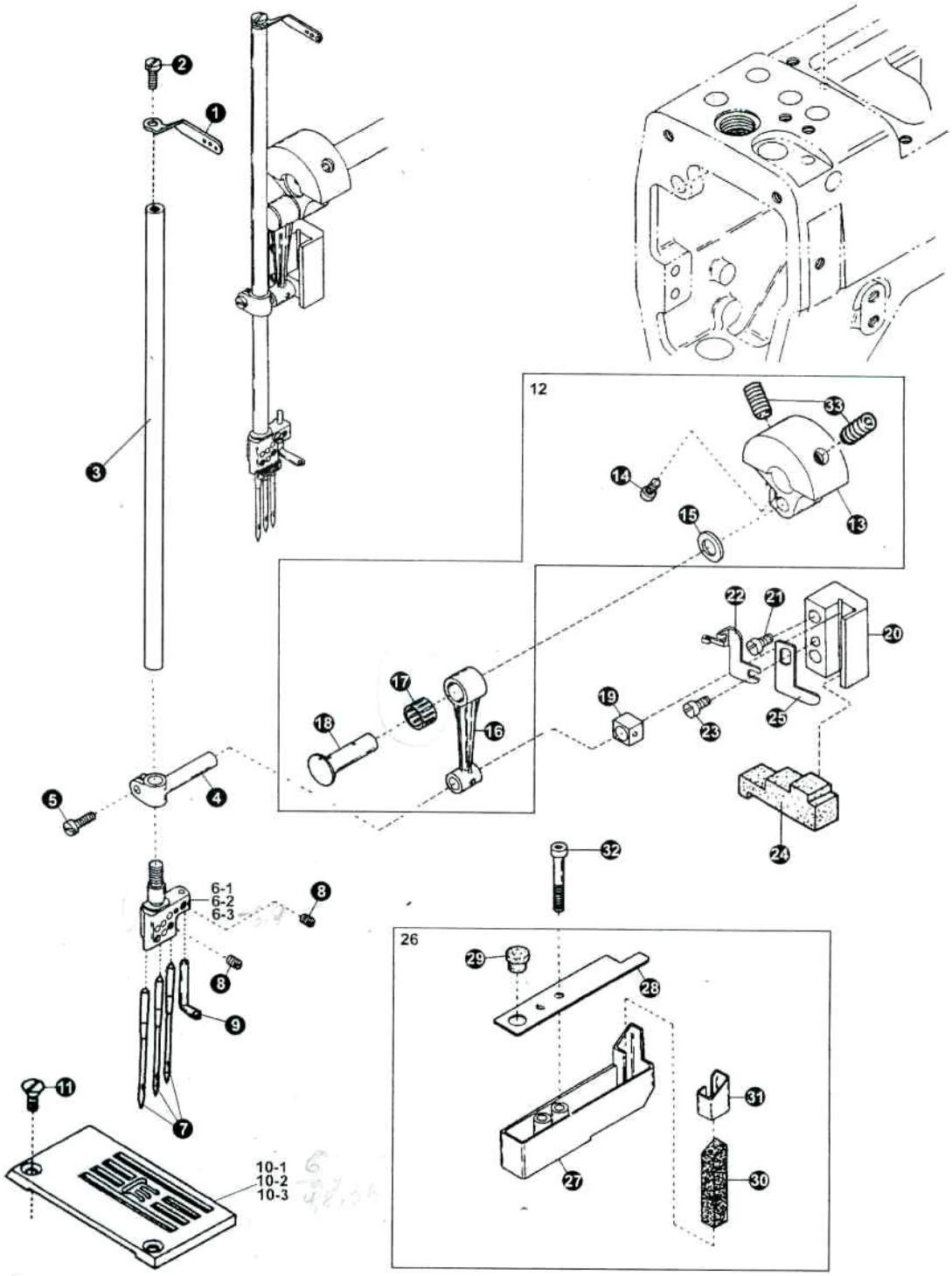
6. UPPER SHAFT & NEEDLE THREAD TAKE -UP MECHANISM

No	Ret. No.	Description	Qt
1	1102e0001	Hand wheel	1
2	B12060632	Screw	11
3	110100025	Hand wheel mark	1
4	S150866006	Ball bearing	2
5	1102f0001	Hand wheel adapter	2
6	110200023	Timing belt	1
7	1102g0001	Upper shaft sprocket (upper)	1
8	110200021	Upper shaft(right)	1
9	S150225001	Screw	1
10	1102d0001	Upper shaft joint	1
11	110200022	Counterweight (small)	1
12	B62400812	Screw	2
13	110200020	Upper crankshaft	1
14	S4A0500010	Retaining ring	1
15	052200036	Ball bearing	2
16	110200024	Rubber seat	1
17	B12060632	Screw	2
18	110270001	Connecting rod	1
19	S150220009	Screw	2
20	110550005	Screw	2
21	110270002	Guide fork	1
22	B62300812	Screw	2
23	110270003	Driving lever	1
24	B18061632	Screw	1
25	S120203049	Screw	1
26	110200005	Washer	1
27	110200006	Spacer	1
28	110200004	Driving shaft	1
29	110290001	Bracket	1
30	S8A3103012	Spring washer	1
31	S150220004	Screw	1
32	110290002	Needle thread take -up	1
33	110290003	Top cover thread take -up	1
34	B62400812	Screw	2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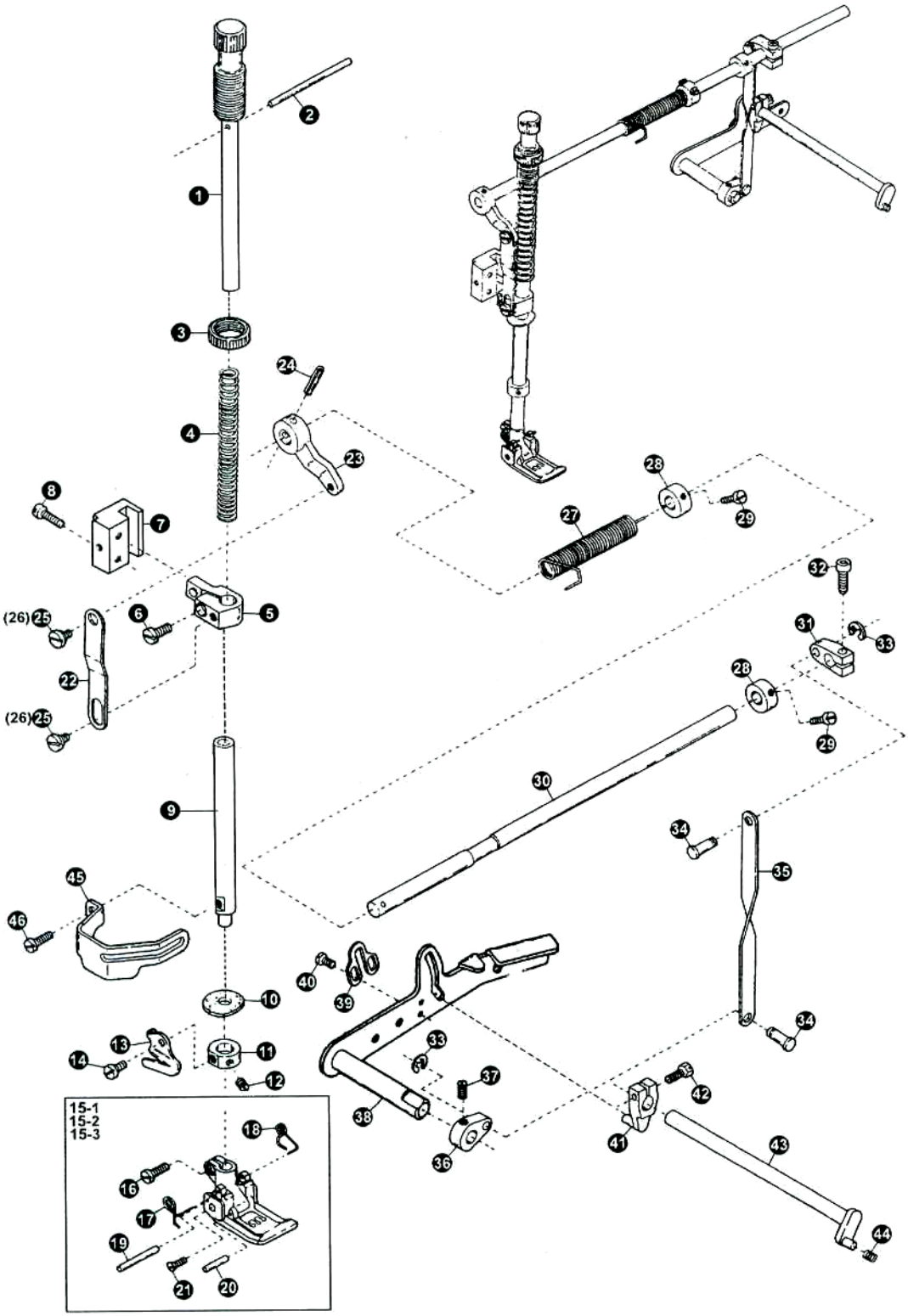
7. NEEDLE BAR MECHANISM

No	Ret. No.	Description	Qt
1	116240002	Needle bar thread eyelet	1
2	116240003	Screw	1
3	110200001	Needle bar	1
4	110220005	Needle bar bracket	1
5	B62401012	Screw	1
6-1	182610006	Needle clamp.	1
6-2	182610005	Needle clamp	1
6-3	182610007	Needle clamp	1
7	S150901001	Needle	3
8	182610010	Screw	4
9	182610009	Top cover thread eyelet	1
10-1	182600013	Stitch plate	1
10-2	182600014	Stitch plate	1
10-3	182600012	Stitch plate	1
11	110400023	Screw	2
12	110220000	Counterweight, complete set	1
13	110220001	Counterweight	1
14	S150220007	Screw	1
15	110220003	Connecting rod ring	1
16	110220004	Connecting rod	1
17	S150866005	Roller bearing	1
18	110220002	Connecting rod pin	1
19	110220006	Slide block	1
20	110230001	Needle bar guide	1
21	S150220011	Screw	2
22	110230002	Oil wick holder	1
23	B60300612	Screw	1
24	110200032	Sponge	1
25	110200033	Fixing plate	1
26	110240000	HR Device, complete set	1
27	110240001	HR Cup	1
28	110250001	HR Cup lid	1
29	110100003	Seal plug	1
30	110240002	HR Felt	1
31	110240003	HR Felt guard	1
32	S150220012	Screw	2
33	S150224002	Screw	2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8. PRESSER FOOT MECHANISM

No	Ret. No.	Description	Qt
1	110610001	Presser spring regulator	1
3	110610002	Lock nut	1
4	110600001	Presser bar spring (outer)	1
5	110620000	Presser bar connecting bracket unit	1
6	S150237004	Screw	1
7	110600004	Presser bar guide	1
8	B62401612	Screw	2
9	110600003	Presser bar	1
10	043600005	Oil protector ring	1
11	110600006	Collar	1
12	B12400432	Screw	2
13	110600013	Thread chain cutting knife	1
14	S120203013	Screw	1
15-1	182710000-356	Presser foot, complete set	1
15-2	182710000-348	Presser foot, complete set	1
15-3	182710000-364	Presser foot, complete set	1
16	S150217007	Screw	1
17	182710012	Presser foot spring (left)	1
18	182710013	Presser foot spring (Right)	1
19	S150446005	Locking pin	1
20	182710015	Presser foot hinge pin	1
21	S150218001	Screw	2
22	110630004	Lifter link	1
23	110630002	Lifter link lever	1
24	S150446009	Fastener pin	1
25	110630003	Screw	2
26	110600010	Screw	2
27	110600008	Lifter spring	1
28	110640001	Collar	2
29	S120203033	Screw	4
30	110630001	Lifter shaft	1
31	110650002	Intermediate lever	1
32	S150220009	Screw	1
33	S4A0105006	Retaining ring	2
34	110650003	Connecting pin	2
35	110650001	Connecting plate	1
36	110650004	Lifter lever(small)	1
37	022540004	Screw	1
38	110681000	Lifter lever	1
39	110680001	Lifter lever stop	1
40	S120203031	Screw	2
41	110671000	Tension release lever	1
42	S120104019	Screw	1
43	110660000	Tension release shaft	1
44	110200034	Swing -proof spring	1
45	110600012	Finger guard	1
46	B62400812	Screw	1

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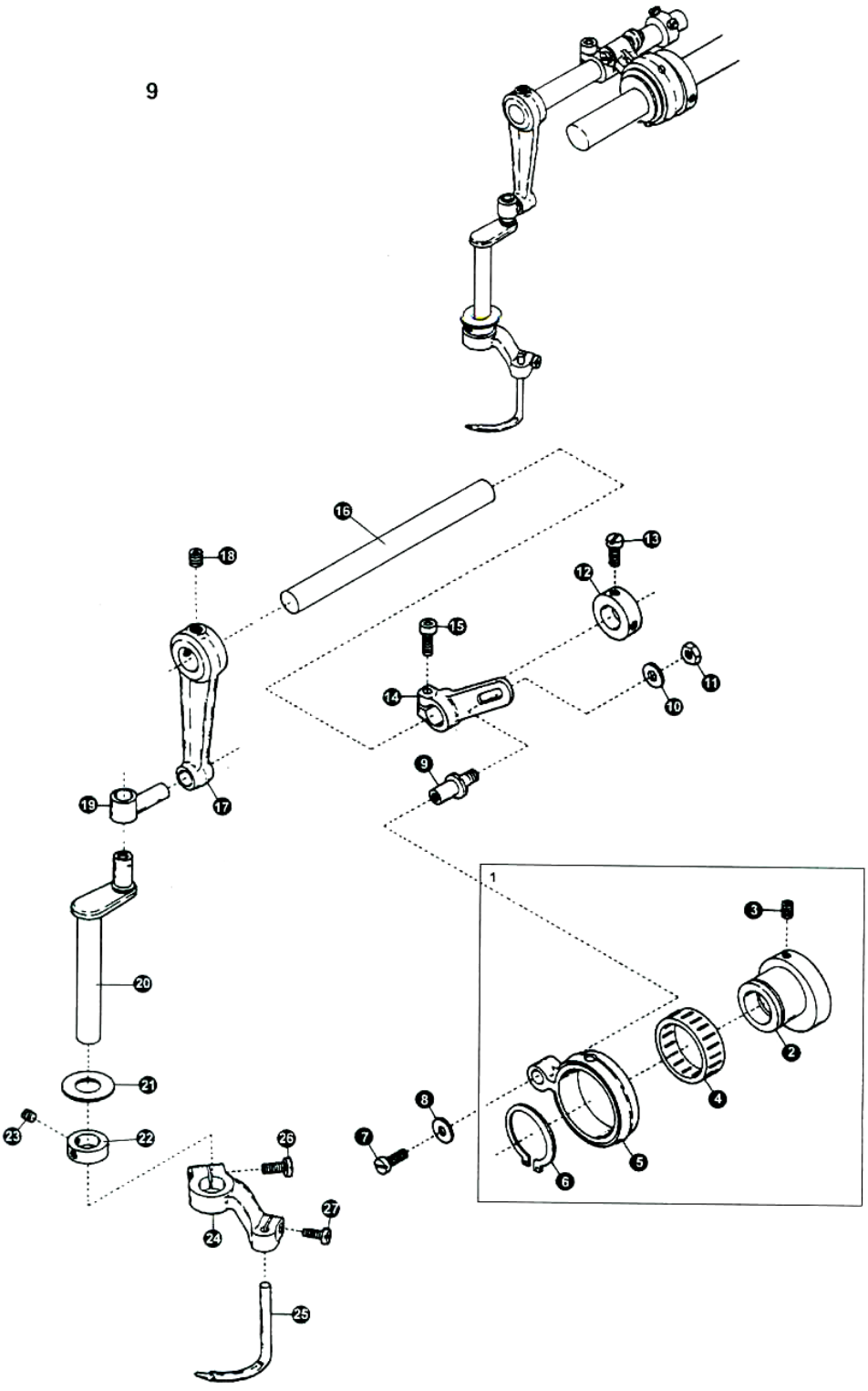
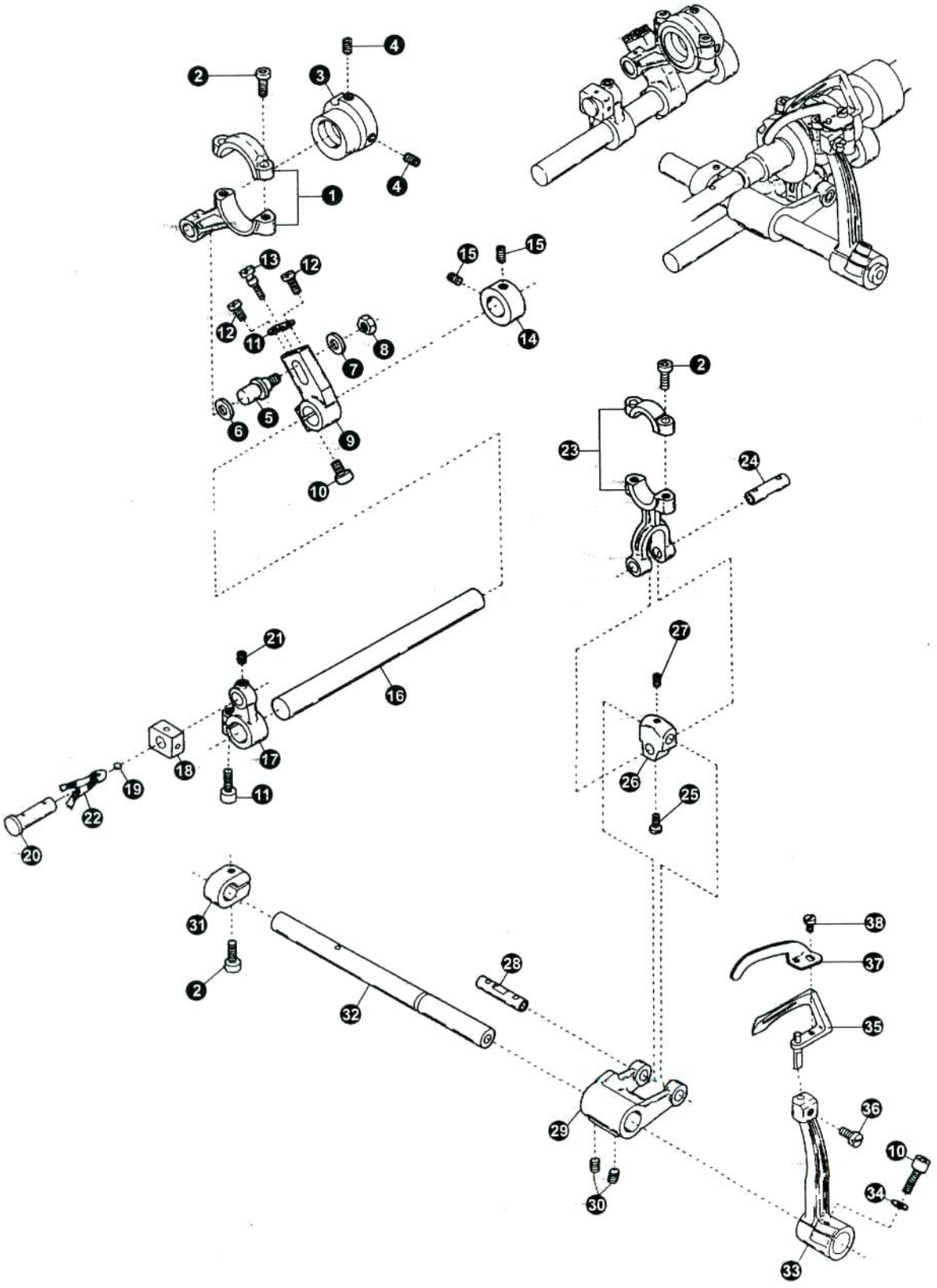


9. SPREADER MECHANISM

No	Ret. No.	Description	Qt
1	1102a0000	Connecting rod complete set	1
2	1102a0001	Eccentric	1
3	B12500532	screw	2
4	S150866002	Roller bearing	1
5	1102a0002	Connecting rod	1
6	S150649001	Retaining ring	1
7	B62400812	Screw	1
8	1102a0004	Washer	1
9	1102a0003	Adjusting lever pin	1
10	S150633001	Washer	1
11	S120501011	Nut	1
12	028200026	Collar	1
13	028100068	Screw	2
14	1102a0005	Adjusting lever	1
15	B18061632	Screw	1
16	110200010	Driving shaft	1
17	1102b0001	Rocking arm	1
18	B12060632	Screw	2
19	1102b0002	Rocking pin	1
20	1102b0011	Spreader bar	1
21	110200012	Bushing ring	1
22	110400006	Collar	1
23	B12400432	Screw	2
24	110200013	Spreader holder	1
25	110200014	Spreader	1
26	B62401612	Screw	1
27	B62401012	Screw	1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10. LOOPER DRIVING MECHANISM

No	Ret. No.	Description	Qt
1	110570000	Looper rocker connecting rod	1
2	B18401622	Screw	5
3	110590001	Looper rocker eccentric	1
4	B12500532	Screw	2
5	110580004	Connecting rod pin	1
6	110580006	Washer	1
7	110580005	Washer	1
8	S120503010	Nut	1
9	110580001	Looper rocker lever	1
10	S150220015	Screw	3
11	110580002	Looper rocker adjusting guide plate	1
12	S150215006	Screw	2
13	110580003	Adjusting screw	1
14	110400006	Collar	1
15	B12400432	Screw	2
16	110500015	Looper rocker shaft	1
17	110500001	Looper rocker arm	1
18	110500002	Looper slide block	1
19	1105a1002	Seal plug	1
20	110501001	Looper slide block pin	1
21	B12500532	Screw	1
22	110300001	Oil wick	1
23	1105C 10,00	Looper connecting rod	1
24	1105C0004	Link pin(short)	1
25	022723001	Screw	1
26	1105C0002	Looper driving lever link	1
27	1105C0005	Screw	1
28	1105C0003	Link pin(long)	1
29	1105C0001	Looper driving lever	1
30	B12060632	Screw	1
31	1105Ь0001	Collar	1
32	110500018	Looper driving shaft	1
33	1105d0001	Looper holder	1
34	S150667001	Washer	1
35	1105d0003	Looper	1
36	SFB0201046	Screw	1
37	1105d0002	Needle guard (front)	1
38	S120203003	Screw	1
39	S150220004	Screw	2
40	S150225001	Screw	1

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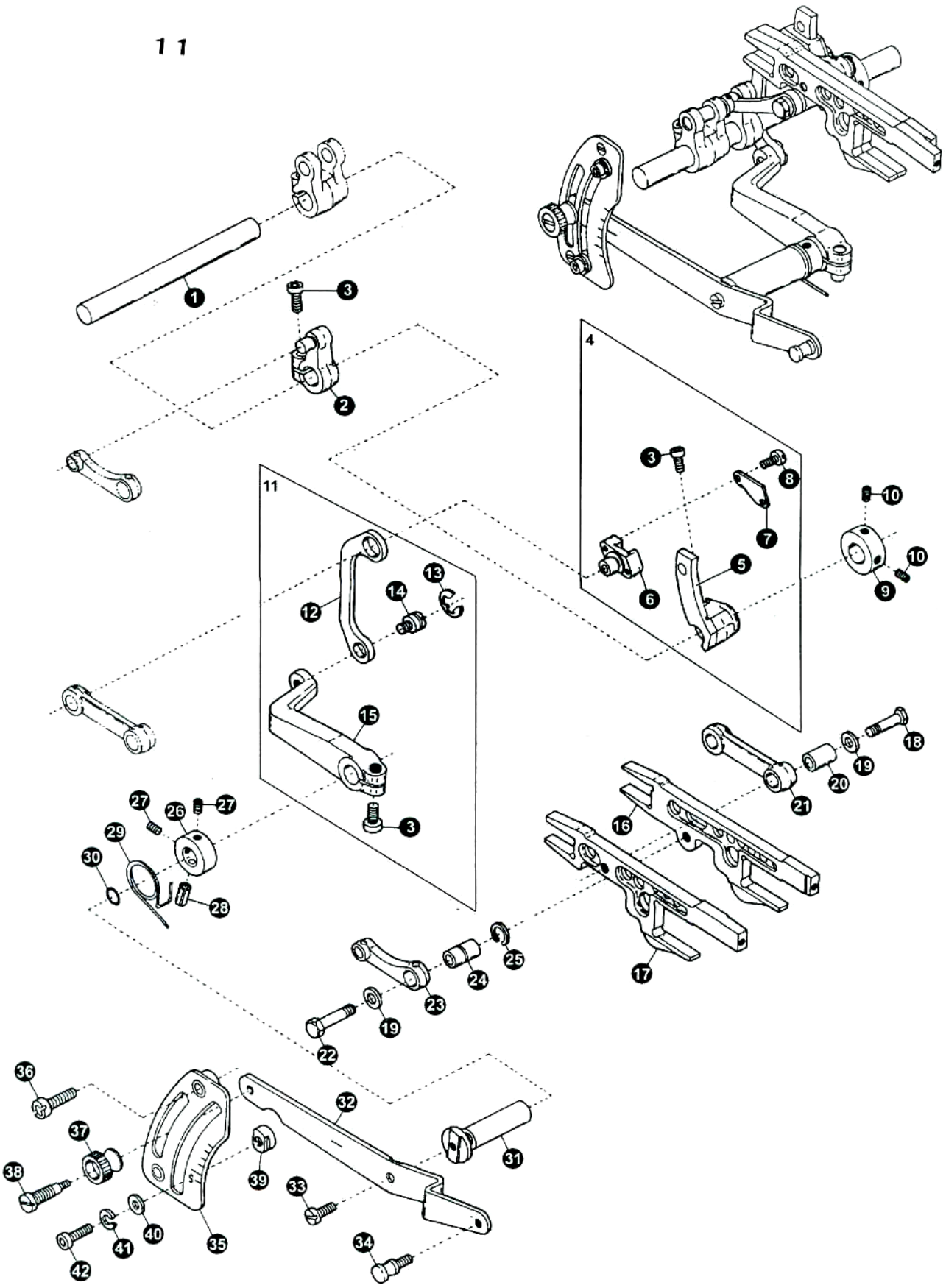
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11. FEED DRIVING CONTROL MECHANISM

No	Ret. No.	Description	Qt
1	110400002	Feed bar driving shaft	1
2	110400005	Main feed bar lever	1
3	B18061432	Screw	3
4	110420000	Differential rocker complete	1
5	110420001	Differential rocker	1
6	110420002	Differential regulating slider	1
7	110420003	Differential regulating slider cap	1
8	B60300612	Screw	2
9	110400006	Collar	1
10	B12400432	Screw	2
11	110430000	Differential lever(inner), C set	1
12	110430001	Slider link	1
13	S8A3103018	Retaining ring	1
14	11040003	Slider link pin	1
15	110430002	Differential lever(inner)	1
16	110440001	Main feed bar	1
17	110440002	Differential feed bar	1
18	110440003	Screw	1
19	110440009	Washer	2
20	110440004	Connection bushing	1
21	110440005	Differential feed bar connection	1
22	110440008	Screw	1
23	110440006	Main feed bar connection	1
24	110440007	Connection bushing	1
25	S150649003	Retaining ring	1
26	110400006	Collar	1
27	B12400432	Screw	2
28	S150446009	Roll pin	1
29	110450001	Differential lever spring	1
30	S150656003	O -ring	1
31	110400009	Differential lever shaft	1
32	110400010	Differential lever(left)	1
33	B62400812	Screw	1
34	110400015	Screw	1
35	110400012	Differential feed graduation	1
36	S150218004	Screw	2
37	110100014	Adjusting nut	1
38	110400011	Adjusting screw	1
39	110400016	Differential lever stop	2
40	S150632001	Washer	2
41	S8A3103011	Spring washer	2
42	B62400812	Screw	2

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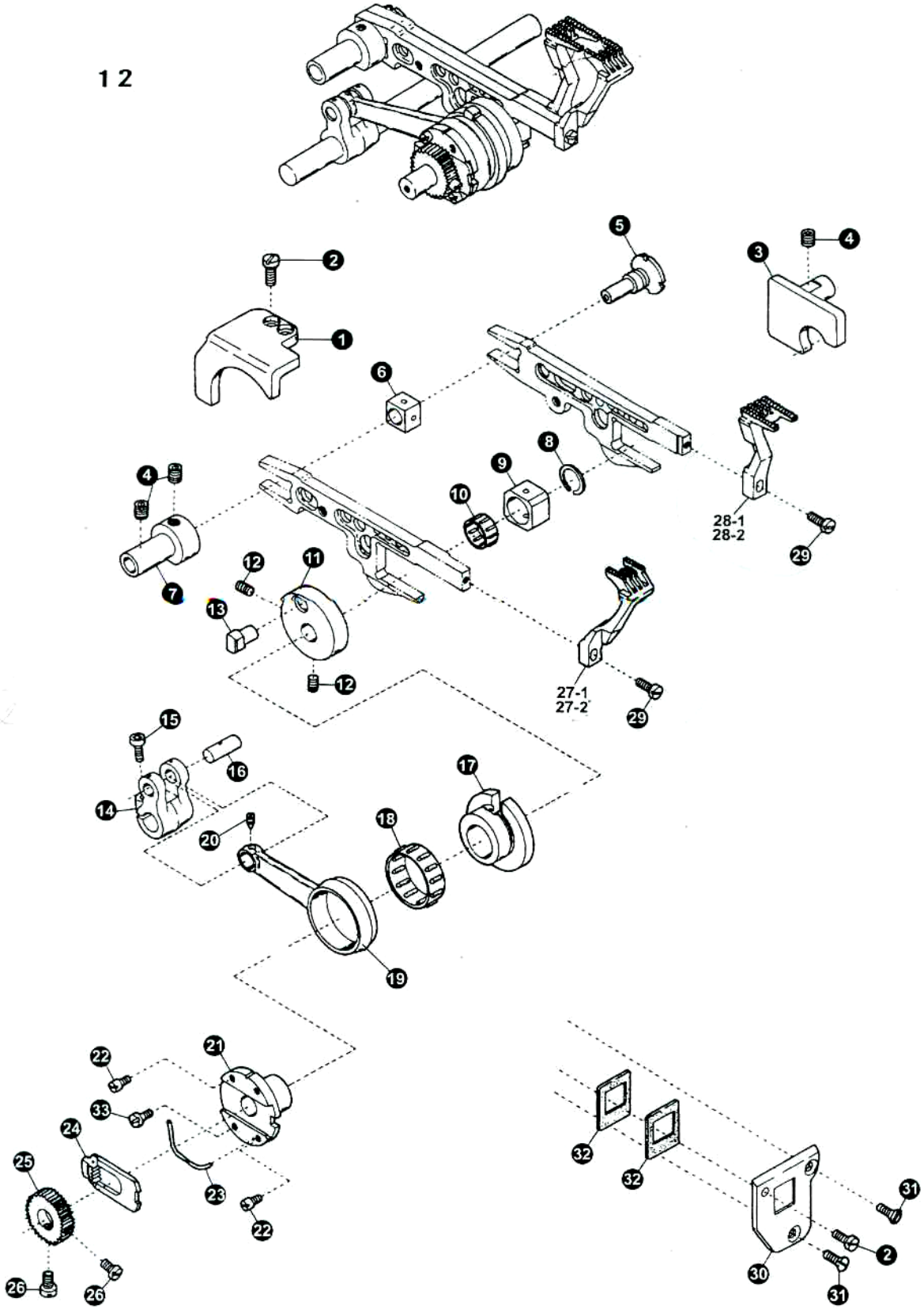
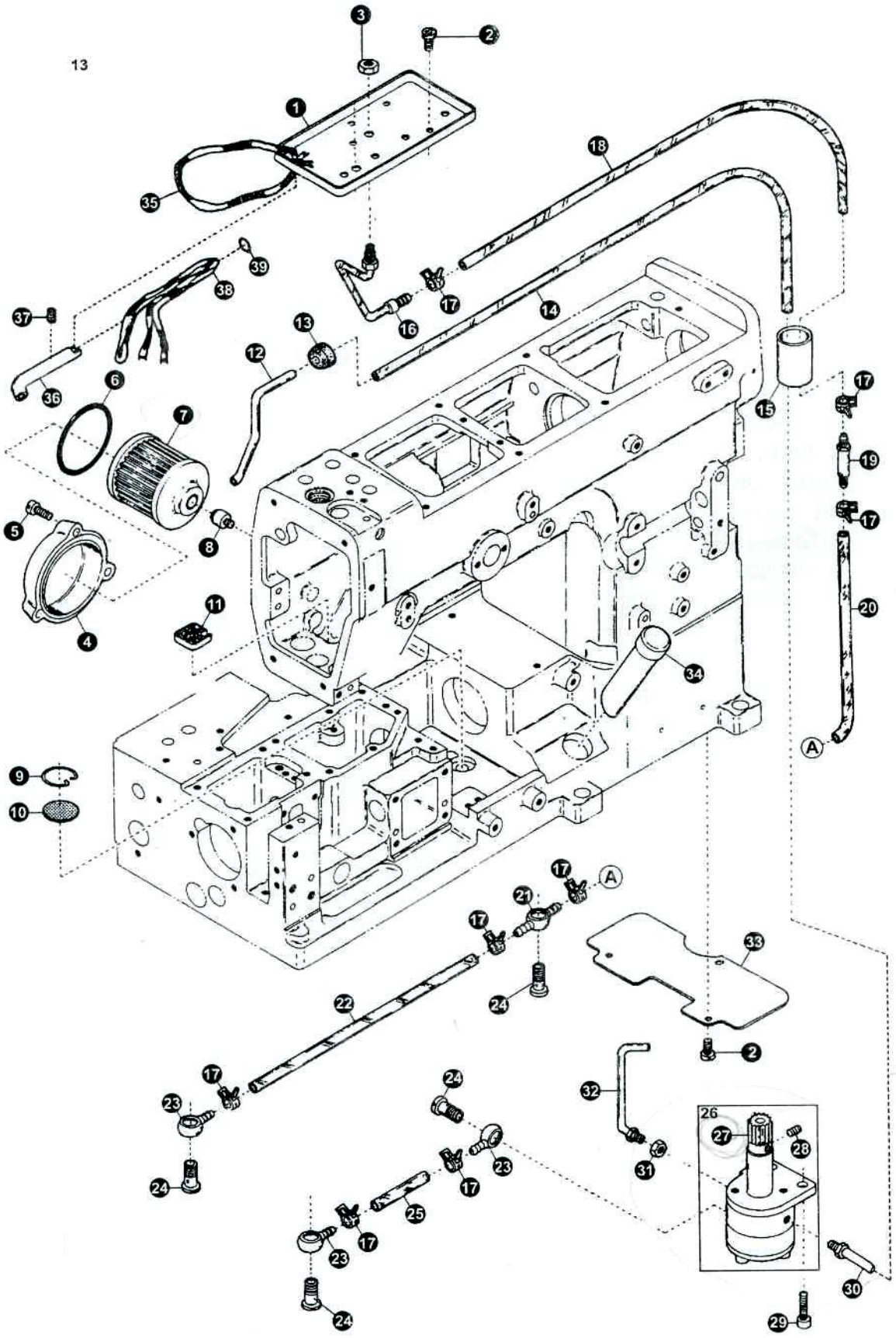


12. FEED DRIVING MECHANISM

No	Ret. No.	Description	Qt
1	110400018	Feed bar guide (left)	1
2	S120203037	Screw	3
3	110400019	Feed bar guide (right)	1
4	B12060632	Screw	3
5	110400020	Feed adjusting pin	1
6	110400021	Feed bar block (rear)	1
7	1104000022	Feed bar guide (rear)	1
8	028400062	Retaining ring	1
9	110400024	Feet bar block (front)	1
10	S150866009	Roller bearing	1
11	110460001	Eccentric pin holder	1
12	B12500532	Screw	2
13	110460002	Feed dog eccentric pin	1
14	110460003	Feed bar driving shaft lever	1
15	B18061432	Screw	1
16	110460004	Connecting rod pin	1
17	110460005	Feed dog eccentric	1
18	S150866010	Roller bearing	1
19	110460006	Feed dog driving connection rod	1
20	S150225002	Screw	1
21	110460007	Feed dog regulating eccentric	1
22	110460011	Screw	3
23	110460008	Feed dog regulating plate spring	1
24	110460009	Feed dog regulating plate	1
25	110460010	Feed dog regulating gear	1
26	110460012	Screw	2
27-1	110400008	Differential feed dog	1
27-2	110400032	Differential feed dog	1
28-1	110400007	Main feed dog	1
28-2	110400031	Main feed dog	1
29	028100027	Screw	2
30	110400025	Feed bar shield holder(front)	1
31	S120205003	Screw	2
32	110400026	Feed bar shield	2
33	110400027	Feed bar shield holder(rear)	1
34	110460013	Screw	1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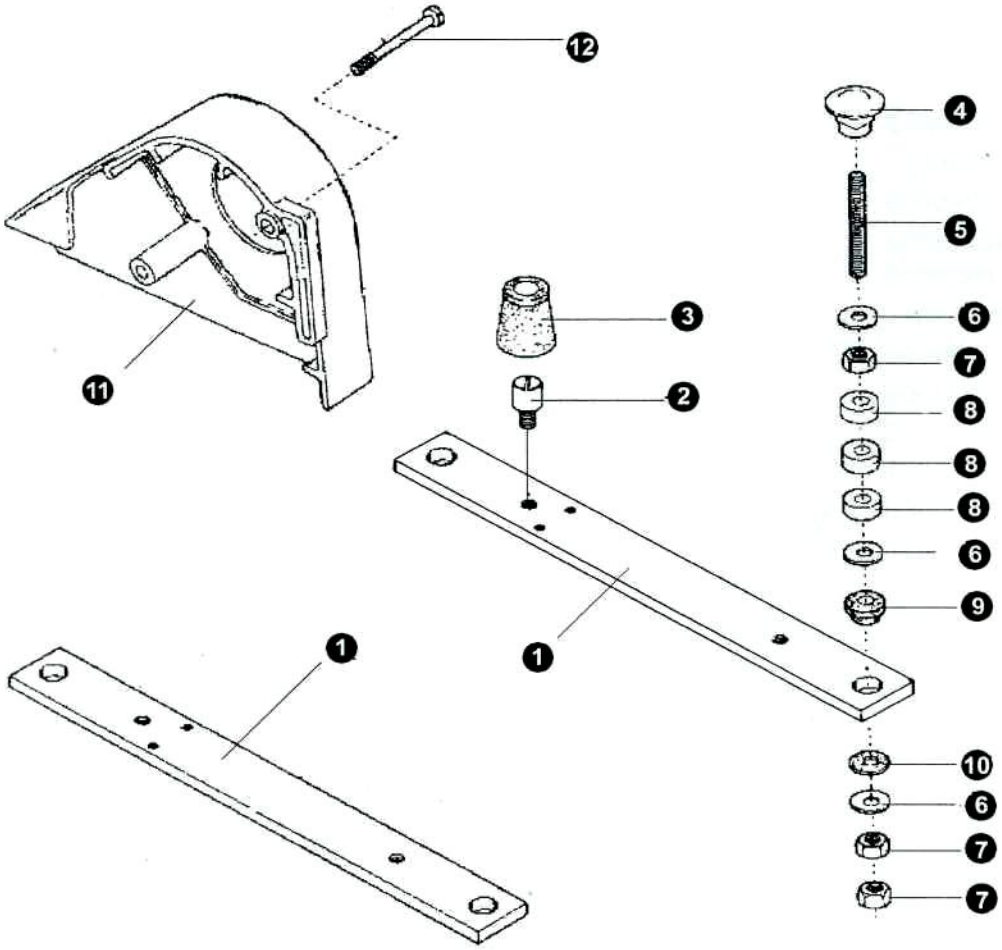
13. LUBRICATING MECHANISM

No	Ret. No.	Description	Qt
1	110300003	Oil receiver	1
2	S120203031	Screw	5
3	S120501011	Nut	1
4	028700023	Oil filter cap	1
5	B60401412	Screw	3
6	S8A3107004	O -ring	1
7	028770001	Oil filter	1
8	028700022	Oil filter connector	1
9	110300006	Oil filter screen clamp	1
10	110300005	Oil filter screen	1
11	110300007	Felt	1
12	110300010	Suction pipe	1
13	110300011	Suction pipe bushing	1
14	110300008	Oil tube	1
15	110110003	Draining pipe	1
16	110330000	Oil pipe unit	1
17	028700011	Oil tube clamp	8
18	110300008	Oil tube	1
19	110341000	Non -return valve unit	1
20	110300008	Oil tube	1
21	110340001	Oil tube joint, two way	1
22	110300008	Oil tube	1
23	028700010	Oil tube joint, one way	3
24	028700012	Fitting stub(short)	4
25	110300008	Oil tube	1
26	110360000	Oil pump, complete set	1
27	110360001	Oil pump driving worm gear	1
28	S120210021	Screw	2
29	S150220014	Screw	2
30	110362000	Suction pipe	1
31	S120501011	Nut	1
32	110361000	Oil nozzle for worm gear	1
33	110100018	Dustproof plate	1
34	110300002	Oil sight gauge	1
35	110200029	Oil wick	1
36	110200028	Needle bar connecting rod oil pi	1
37	B12400432	Screw	3
38	110200030	Oil wick	1
39	S4A0604005	O -ring	1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14. ACCESSORIES

No	Ret. No.	Description	Qt
1	110F10001	Supporting board	2
2	110F10003	Setting screw	4
3	110F10002	Oil reservoir rubber cushion	4
4	110F10005	Hanging nut	4
5	110F10004	Hanging bolt	4
6	GB96-85	Washer	12
7	GB6170-86	Nut	12
8	110F10006	Spacer(see the table below)	12
9	110F10007	Supporting board rubber cushion	4
10	110F10008	Supporting board rubber cushion (lower)	4
11	110F00001	Belt cover	1
12	GB65-85	Screw	2